

# JOLIET JUNIOR COLLEGE

## MULTI-PURPOSE FACILITY

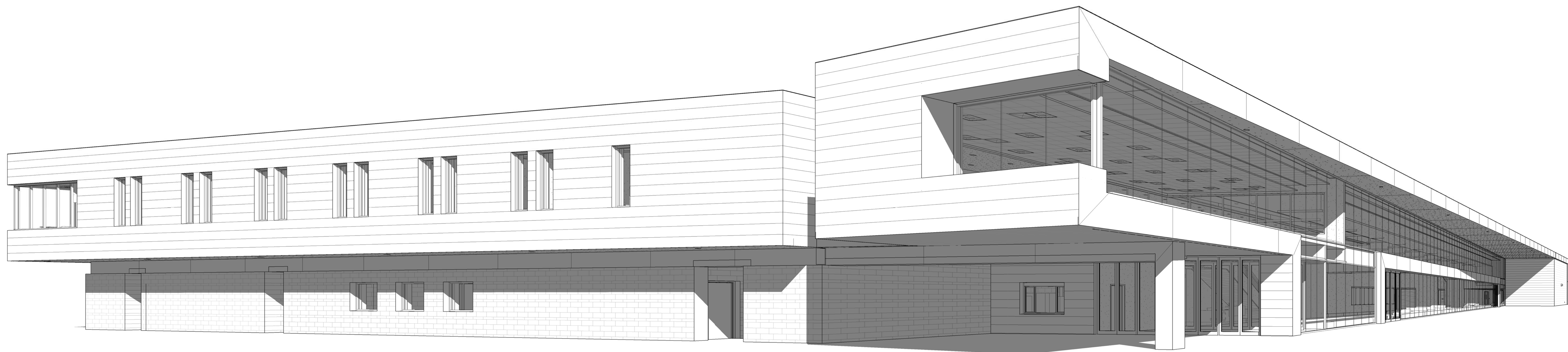
---

1215 HOUBOLT ROAD, JOLIET, IL 60431

ISSUED FOR BID PACKAGE 2

2015-07-17

DKA PROJECT NO: 14-004



ARCHITECT:

DEMONICA KEMPER ARCHITECTS  
125 N. HALSTED ST., SUITE 301  
CHICAGO, IL 60661  
T: 312.496.0000 F: 312.496.0001

STRUCTURAL AND MEP ENGINEERING

KJWW ENGINEERING CONSULTANTS  
1100 WARRENVILLE RD., STE. 400W  
NAPERVILLE, IL 60563  
P: 630.527.2320

CIVIL ENGINEERING

RUETTIGER, TONELLI & ASSOC., INC.  
129 CAPISTA DR.  
SHOREWOOD, IL 60404  
P: 815.744.6600



ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

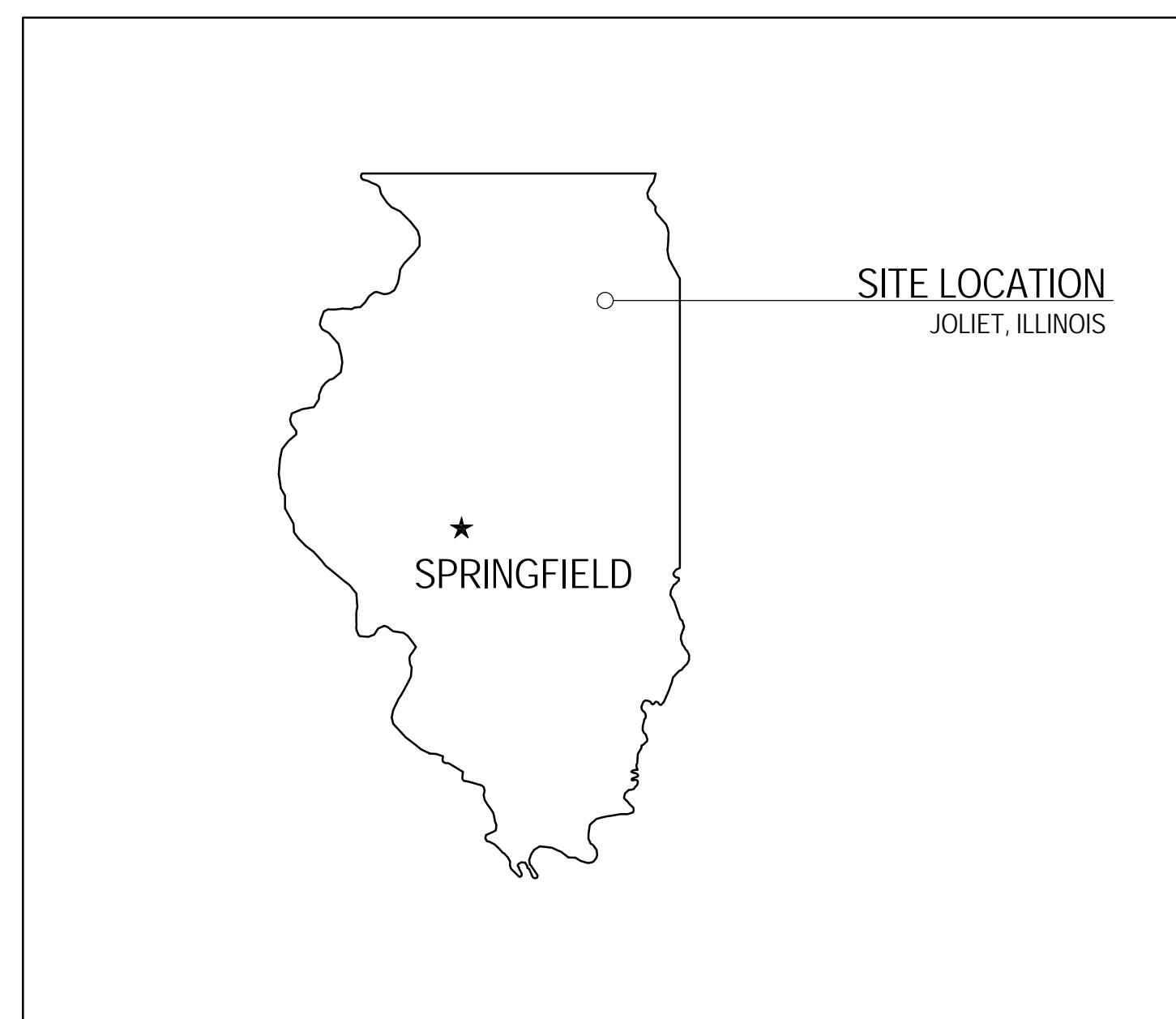
SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION	DATE

SHEET TITLE:  
**SHEET INDEX,  
 SYMBOLS & NOTES**

SHEET NUMBER:  
**G1.00**

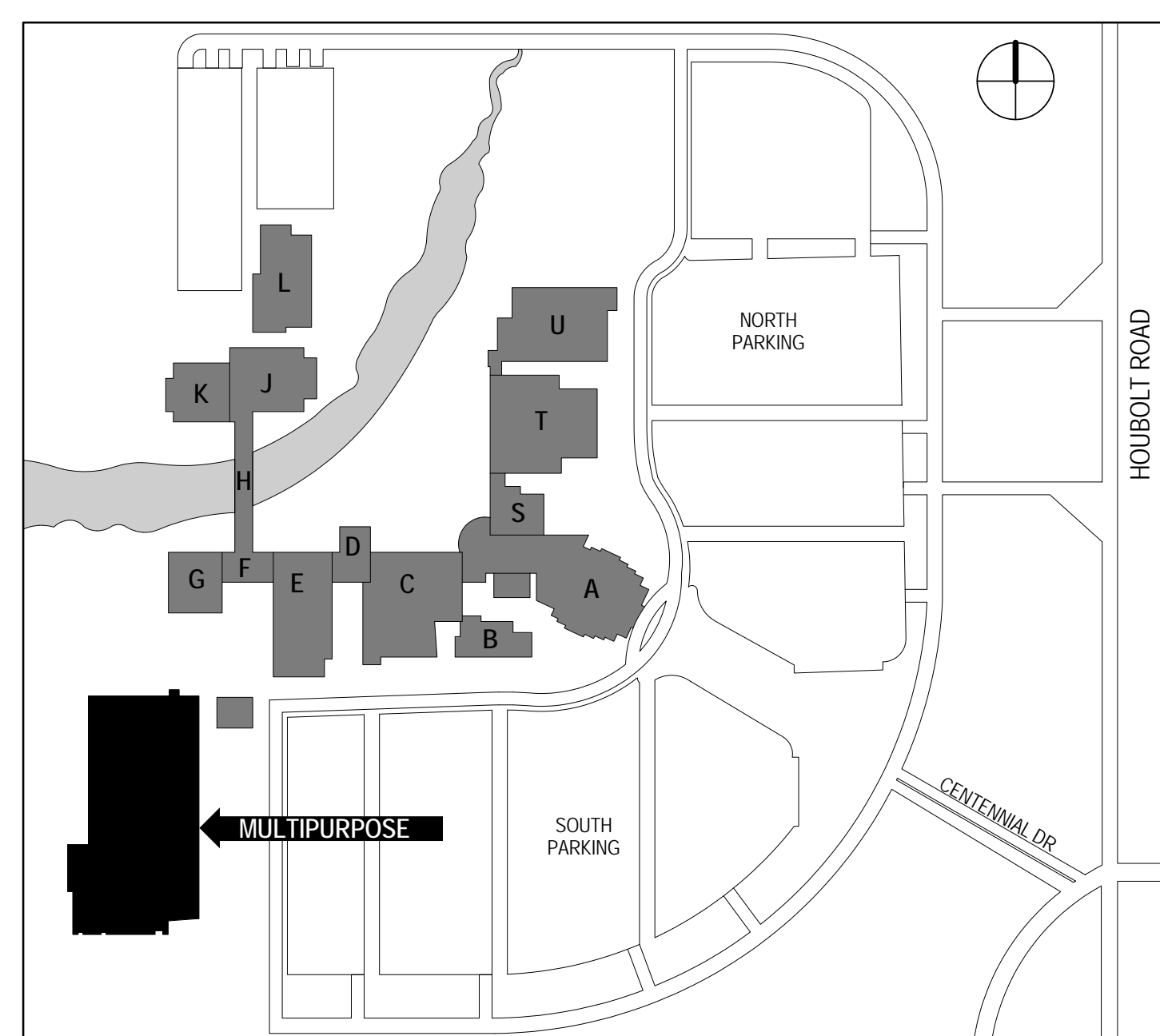
STATE LOCATION MAP



AREA MAP



CAMPUS MAP



SHEET INDEX

<b>GENERAL</b>	A10.11 EXTERIOR WINDOW ELEVATIONS	E2.22 LEVEL 2 PLAN - AREA 2 - POWER
G1.00 SHEET INDEX, SYMBOLS & NOTES	A10.12 INTERIOR WINDOW ELEVATIONS	E2.23 LEVEL 2 PLAN - AREA 3 - POWER
G1.01 ABBREVIATIONS, SYMBOLS, AND GENERAL DETAILS	A11.11 LEVEL 1 FINISH PLAN AREA 1	E2.30 OVERALL ROOF PLAN - ELECTRICAL
<b>CIVIL</b>	A11.12 LEVEL 1 FINISH PLAN AREA 2	E2.40 ALTERNATE PLANS - ELECTRICAL
C1.1 EXISTING CONDITIONS (1 OF 3)	A11.13 LEVEL 1 FINISH PLAN AREA 3	E3.11 LEVEL 1 PLAN - AREA 1 - SYSTEMS
C1.2 EXISTING CONDITIONS (2 OF 3)	A11.14 LEVEL 1 FINISH PLAN FIELD HOUSE STRIPING	E3.12 LEVEL 1 PLAN - AREA 2 - SYSTEMS
C1.3 EXISTING CONDITIONS (3 OF 3)	A11.15 LEVEL 1 FINISH PLAN - ALTERNATE BID 4	E3.13 LEVEL 1 PLAN - AREA 3 - SYSTEMS
C2.1 DEMOLITION PLAN (1 OF 2)	A11.21 LEVEL 2 FINISH PLAN AREA 1	E3.21 LEVEL 2 PLAN - AREA 1 - SYSTEMS
C2.2 DEMOLITION PLAN (2 OF 2)	A11.22 LEVEL 2 FINISH PLAN AREA 2	E3.22 LEVEL 2 PLAN - AREA 2 - SYSTEMS
C3.1 PROPOSED SITE IMPROVEMENT PLAN (1 OF 2)	A11.23 LEVEL 2 FINISH PLAN AREA 3	E3.23 LEVEL 2 PLAN - AREA 3 - SYSTEMS
C3.2 PROPOSED SITE IMPROVEMENT PLAN (2 OF 2)	A12.10 LEVEL 1 OVERALL FURNITURE PLAN	E4.00 ELECTRICAL DETAILS
C4.1 PROPOSED STORMWATER MANAGEMENT AREA	A12.20 LEVEL 2 OVERALL FURNITURE PLAN	E4.01 ELECTRICAL DETAILS
C5.1 PROPOSED GEOMETRY PLAN	<b>STRUCTURAL</b>	E4.02 ELECTRICAL DETAILS
C6.1 EROSION CONTROL PLAN (1 OF 3)	S0.00 GENERAL NOTES	E4.03 ELECTRICAL DETAILS
C6.2 EROSION CONTROL PLAN (2 OF 3)	S1.10 FOUNDATION PLAN - OVERALL	E5.00 ELECTRICAL SCHEDULES
C6.3 EROSION CONTROL PLAN (3 OF 3)	S1.11 FOUNDATION PLAN - AREA 1	E5.01 ELECTRICAL SCHEDULES
C6.4 EROSION NOTES AND DETAILS	S1.12 FOUNDATION PLAN - AREA 2	E5.10 ELECTRICAL PANEL SCHEDULES
C7.1 GENERAL NOTES AND CONSTRUCTION DETAILS	S1.13 FOUNDATION PLAN - AREA 3	E5.11 ELECTRICAL PANEL SCHEDULES
<b>ARCHITECTURE</b>	S1.21 SECOND FLOOR FRAMING PLAN - AREA 1	E5.12 ELECTRICAL PANEL SCHEDULES
AS1.00 SITE PAVING GEOMETRY PLAN	S1.22 SECOND FLOOR FRAMING PLAN - AREA 2	E6.00 ELECTRICAL ONE LINE DIAGRAM NORMAL
AC1.11 LEVEL 1 CODE PLAN	S1.23 SECOND FLOOR FRAMING PLAN - AREA 3	E6.01 ELECTRICAL ONE LINE DIAGRAM EMERGENCY
AC1.21 LEVEL 2 CODE PLAN	S1.31 ROOF FRAMING PLAN - AREA 1	<b>FIRE PROTECTION</b>
A1.10 LEVEL 1 OVERALL PLAN	S1.32 ROOF FRAMING PLAN - AREA 2	FP0.00 COVER SHEET - FIRE PROTECTION
A1.11A LEVEL 1 PLAN AREA 1	S1.33 ROOF FRAMING PLAN - AREA 3	FP1.10 LEVEL 1 PLAN - FIRE PROTECTION
A1.11B LEVEL 1 DIMENSION PLAN AREA 1	S1.41 ALTERNATE BID	FP1.20 LEVEL 2 PLAN - FIRE PROTECTION
A1.12A LEVEL 1 PLAN AREA 2	S3.00 FOUNDATION DETAILS	FP2.00 ALTERNATE PLANS - FIRE PROTECTION
A1.12B LEVEL 1 DIMENSION PLAN AREA 2	S3.01 FOUNDATION DETAILS	FP3.00 FIRE PROTECTION RISER DIAGRAM & DETAILS
A1.13A LEVEL 1 PLAN AREA 3	S4.00 PRECAST AND MASONRY DETAILS	FP4.00 FIRE PROTECTION MATERIAL LIST
A1.13B LEVEL 1 DIMENSION PLAN AREA 3	S5.00 STEEL DETAILS	FP5.01 FIRE PROTECTION MATERIAL LIST
A1.14 LEVEL 1 - ALTERNATE BIDS	S5.01 STEEL DETAILS	<b>TECHNOLOGY</b>
A1.20 LEVEL 2 OVERALL PLAN	S5.02 JOIST DIAGRAMS	T0.00 COVER SHEET - TECHNOLOGY
A1.21A LEVEL 2 PLAN AREA 1	S5.03 FIELDHOUSE EQUIPMENT PLAN	T0.01 TECHNOLOGY SITE PLAN
A1.21B LEVEL 2 DIMENSION PLAN AREA 1	<b>MECHANICAL</b>	T1.11 LEVEL 1 PLAN - AREA 1 - TECHNOLOGY
A1.22A LEVEL 2 PLAN AREA 2	M0.00 COVER SHEET - MECHANICAL	T1.12 LEVEL 1 PLAN - AREA 2 - TECHNOLOGY
A1.22B LEVEL 2 DIMENSION PLAN AREA 2	M1.11 LEVEL 1 PLAN - AREA 1 - VENTILATION	T1.13 LEVEL 1 PLAN - AREA 3 - TECHNOLOGY
A1.23A LEVEL 2 PLAN AREA 3	M1.12 LEVEL 1 PLAN - AREA 2 - VENTILATION	T1.21 LEVEL 2 PLAN - AREA 1 - TECHNOLOGY
A1.23B LEVEL 2 DIMENSION PLAN AREA 3	M1.13 LEVEL 1 PLAN - AREA 3 - VENTILATION	T1.22 LEVEL 2 PLAN - AREA 2 - TECHNOLOGY
A2.10 LEVEL 1 OVERALL RCP	M1.21 LEVEL 2 PLAN - AREA 1 - VENTILATION	T1.23 LEVEL 2 PLAN - AREA 3 - TECHNOLOGY
A2.11 LEVEL 1 RCP AREA 1	M1.22 LEVEL 2 PLAN - AREA 2 - VENTILATION	T1.40 ALTERNATE PLANS - TECHNOLOGY
A2.12 LEVEL 1 RCP AREA 2	M1.23 LEVEL 2 PLAN - AREA 3 - VENTILATION	T3.00 ENLARGED PLANS
A2.13 LEVEL 1 RCP AREA 3	M1.31 ROOF PLAN - AREA 1 - VENTILATION	T3.01 ENLARGED PLANS
A2.14 LEVEL 1 RCP - ALTERNATE BID	M1.32 ROOF PLAN - AREA 2 - VENTILATION	T4.00 TECHNOLOGY DETAILS
A2.20 LEVEL 2 OVERALL RCP	M1.33 ROOF PLAN - AREA 3 - VENTILATION	T5.00 TECHNOLOGY RISER DIAGRAMS
A2.21 LEVEL 2 RCP AREA 1	M1.40 ALTERNATE PLANS - VENTILATION	T8.00 TECHNOLOGY FLOW DIAGRAM
A2.22 LEVEL 2 RCP AREA 2	M2.00 UNDER FLOOR PLAN - AREAS 1, 2, 3 - PIPING	T7.00 TECHNOLOGY EQUIPMENT SCHEDULE
A2.23 LEVEL 2 RCP AREA 3	M2.11 LEVEL 1 PLAN - AREA 1 - PIPING	
A3.00 ROOF PLAN	M2.12 LEVEL 1 PLAN - AREA 2 - PIPING	
A3.01 ROOF PLAN - AREA 1	M2.13 LEVEL 1 PLAN - AREA 3 - PIPING	
A3.02 ROOF PLAN - AREA 2	M2.21 LEVEL 2 PLAN - AREA 1 - PIPING	
A3.03 ROOF PLAN - AREA 3	M2.22 LEVEL 2 PLAN - AREA 2 - PIPING	
A3.04 ROOF - ALTERNATE BID	M2.23 LEVEL 2 PLAN - AREA 3 - PIPING	
A3.10 ROOF DETAILS	M2.31 ROOF PLAN - AREA 1 - PIPING	
A3.11 ROOF DETAILS	M2.32 ROOF PLAN - AREA 2 - PIPING	
A4.01 EXTERIOR ELEVATIONS	M2.33 ROOF PLAN - AREA 3 - PIPING	
A4.02 EXTERIOR ELEVATIONS	M2.40 ALTERNATE PLANS - PIPING	
A4.10 PRECAST PANEL PLAN, MASSING & DETAILS	M3.00 ENLARGED PLANS - MECHANICAL	
A4.11 PRECAST PANEL EXTERIOR ELEVATIONS	M3.01 RTU DETAILS	
A4.12 PRECAST PANEL EXTERIOR ELEVATIONS	M3.02 RTU DETAILS	
A4.13 PRECAST PANEL EXTERIOR ELEVATIONS	M4.00 MECHANICAL DETAILS	
A4.14 PRECAST PANEL EXTERIOR ELEVATIONS	M4.01 MECHANICAL DETAILS	
A4.15 PRECAST PANEL INTERIOR ELEVATIONS	M4.02 MECHANICAL DETAILS	
A4.16 PRECAST PANEL INTERIOR ELEVATIONS	M4.03 MECHANICAL DETAILS	
A4.17 PRECAST PANEL INTERIOR ELEVATIONS	M5.00 MECHANICAL SCHEDULES	
A4.18 PRECAST PANEL INTERIOR ELEVATIONS	M5.01 MECHANICAL SCHEDULES	
A5.01 BUILDING SECTIONS	M6.00 HEATING WATER FLOW DIAGRAM	
A5.02 BUILDING SECTIONS	M7.00 CONTROL DIAGRAMS	
A6.01 WALL SECTIONS	M7.01 CONTROL DIAGRAMS	
A6.02 WALL SECTIONS	M7.02 CONTROL DIAGRAMS	
A6.03 WALL SECTIONS	M7.03 CONTROL DIAGRAMS	
A6.04 WALL SECTIONS	<b>PLUMBING</b>	
A6.05 WALL SECTIONS	P0.00 COVER SHEET - PLUMBING	
A6.06 WALL SECTIONS	P1.01 UNDER FLOOR PLAN - AREA 1 - PLUMBING	
A6.07 WALL SECTIONS	P1.02 UNDER FLOOR PLAN - AREA 2 - PLUMBING	
A6.08 WALL SECTIONS	P1.03 UNDER FLOOR PLAN - AREA 3 - PLUMBING	
A6.50 INTERIOR WALL SECTIONS	P1.11 LEVEL 1 PLAN - AREA 1 - PLUMBING	
A6.51 INTERIOR WALL SECTIONS	P1.12 LEVEL 1 PLAN - AREA 2 - PLUMBING	
A7.01 SECTION DETAILS	P1.13 LEVEL 1 PLAN - AREA 3 - PLUMBING	
A7.02 SECTION DETAILS	P1.21 LEVEL 2 PLAN - AREA 1 - PLUMBING	
A7.03 SECTION DETAILS	P1.22 LEVEL 2 PLAN - AREA 2 - PLUMBING	
A7.04 SECTION DETAILS	P1.23 LEVEL 2 PLAN - AREA 3 - PLUMBING	
A7.05 SECTION DETAILS	P1.31 ROOF PLAN - AREA 1 - PLUMBING	
A7.06 SECTION DETAILS	P1.32 ROOF PLAN - AREA 2 - PLUMBING	
A7.51 PLAN DETAILS	P1.33 ROOF PLAN - AREA 3 - PLUMBING	
A7.52 PLAN DETAILS	P1.40 ALTERNATE 1 PLANS - PLUMBING	
A7.53 PLAN DETAILS	P1.41 ALTERNATE 2 PLANS - PLUMBING	
A7.54 PLAN DETAILS	P1.42 ALTERNATE 3 PLANS - PLUMBING	
A7.91 CEILING DETAILS	P3.00 ENLARGED PLANS	
A7.92 CEILING DETAILS	P3.01 ENLARGED PLANS	
A8.01 ENLARGED STAIR PLANS AND SECTIONS	P3.02 ENLARGED PLANS	
A8.02 ENLARGED STAIR PLANS AND SECTIONS	P4.00 PLUMBING DETAILS	
A8.03 ENLARGED STAIR PLANS AND SECTIONS	P4.01 PLUMBING DETAILS	
A8.50 ENLARGED TOILET PLANS AND ELEVATIONS	P5.00 PLUMBING MATERIAL LIST	
A8.51 ENLARGED TOILET PLANS AND ELEVATIONS	<b>ELECTRICAL</b>	
A8.52 ENLARGED TOILET PLANS AND ELEVATIONS	E0.00 COVER SHEET - ELECTRICAL	
A9.01 INTERIOR ELEVATIONS	E0.01 ELECTRICAL SITE PLAN	
A9.02 INTERIOR ELEVATIONS	E1.11 LEVEL 1 PLAN - AREA 1 - LIGHTING	
A9.03 INTERIOR ELEVATIONS	E1.12 LEVEL 1 PLAN - AREA 2 - LIGHTING	
A9.04 INTERIOR ELEVATIONS	E1.13 LEVEL 1 PLAN - AREA 3 - LIGHTING	
A9.05 INTERIOR ELEVATIONS	E1.21 LEVEL 2 PLAN - AREA 1 - LIGHTING	
A9.06 INTERIOR ELEVATIONS	E1.22 LEVEL 2 PLAN - AREA 2 - LIGHTING	
A9.51 MILLWORK DETAILS	E1.23 LEVEL 2 PLAN - AREA 3 - LIGHTING	
A9.52 MILLWORK DETAILS	E2.11 LEVEL 1 PLAN - AREA 1 - POWER	
A9.53 MILLWORK DETAILS	E2.12 LEVEL 1 PLAN - AREA 2 - POWER	
A9.54 MILLWORK DETAILS	E2.13 LEVEL 1 PLAN - AREA 3 - POWER	
A10.00 PARTITION TYPES	E2.21 LEVEL 2 PLAN - AREA 1 - POWER	
A10.01 DOOR & FRAME SCHEDULE AND TYPES		
A10.10 EXTERIOR WINDOW ELEVATIONS		

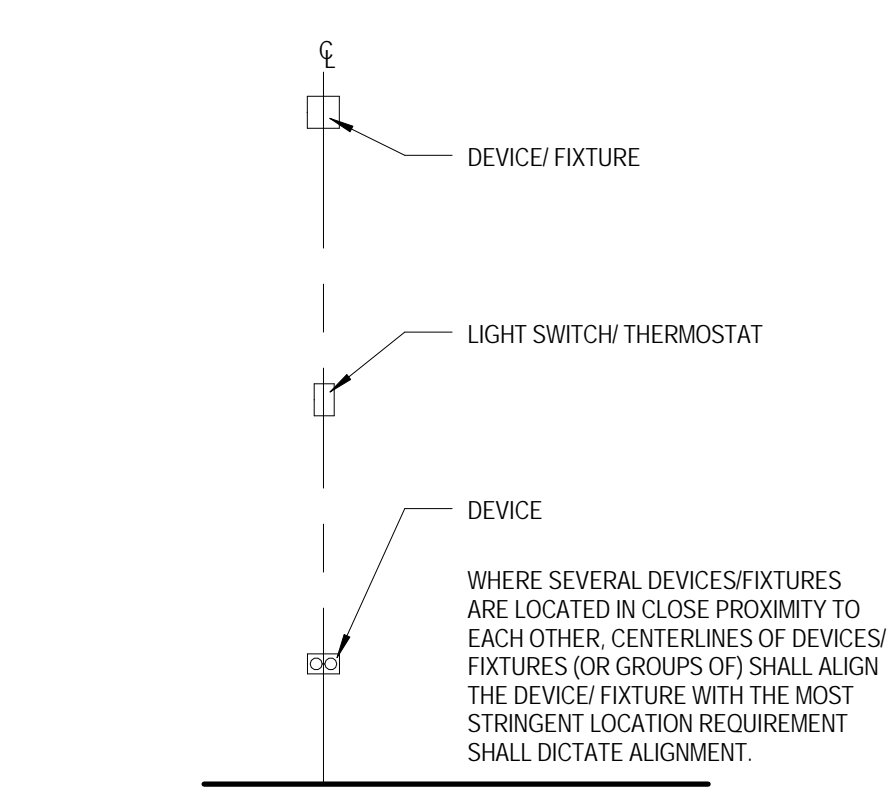


**ABBREVIATIONS**

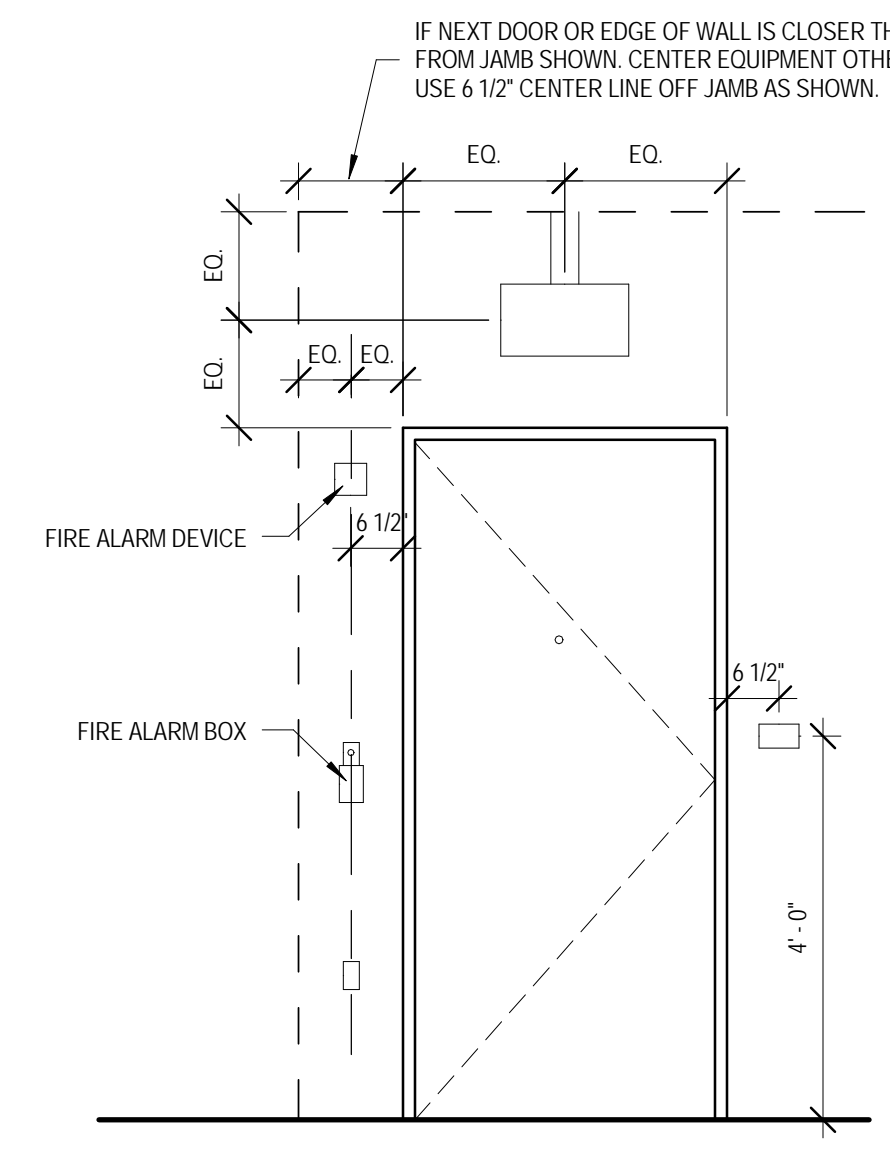
AP ACCESS PANEL	HDW HARDWARE	TEL TELEPHONE
ACOUST ACUSTICAL	HDWD HARDWOOD	TV TELEVISION
ACT ACUSTICAL CEILING TILE	HDR HEADER	TRZ TERRAZZO
ADJ ADJACENT	HTG HEATING	TB TILE BASE
A.F.F. ABOVE FINISH FLOOR	HVAC HEATING, VENTILATING, AIR CONDITIONING	THK THICK
AGGR AGGREGATE	HT HEIGHT	T.O.C. TOP OF CURB
A/C AIR CONDITIONING	HC HOLLOW CORE	TOP TOP OF PAVEMENT
ALT ALTERNATE	HM HOLLOW METAL	TOW TOP OF WALL
ALUM ALUMINUM	HMF HOLLOW METAL FRAME	T&G TONGUE AND GROOVE
L ANGLE	HORZ HORIZONTAL	TYP TYPICAL
APPD APPROVED	HB HOSE BIB	
APPROX APPROXIMATE	HR HOUR	
ARCH ARCHITECTURAL OR ARCHITECT		UNF UNFINISHED
AD AREA DRAIN		UN.O. UNLESS NOTED OTHERWISE
ASB ASBESTOS	INC INCLUDE	UR URINAL
ASPH ASPHALT	ID. INSIDE DIAMETER	
AV AUDIO VISUAL	INSUL INSULATION	
	INTR INTERIOR	VB VINYL BASE
	INV INVERT	VERT VERTICAL
		VEST VESTIBULE
		VCT VINYL COMPOSITION TILE
		VW VINYL WALLCOVERING
BSMT BASEMENT	JAN JANITOR	
BRG BEARING	JT JOINT	
BM BEAM	KIT KITCHEN	WSCT WAINSCOT
BTW BETWEEN	LAM LAMINATE	WC WATER CLOSET
BITUM BITUMINOUS	LAV LAVATORY	WLK WALK-OFF MAT
BLK BLOCK	LH LEFT HAND	WR WATER RESISTANT
BLKG BLOCKING	LGTH LENGTH	WT WALL TILE OR WEIGHT
BD BOARD	LT LIGHT	W WEST
BRK BRICK	LWC LIGHT WEIGHT CONCRETE	W WIDE FLANGE "W1&2"
BLDG BUILDING	LTL LINTEL	W WIDTH
	LN LINOLEUM	W/ WITH
CAB CABINET	LL LIVE LOAD	W/O WITHOUT
CIP CAST IN PLACE		WD WOOD
CHP CAST IN PLACE CONCRETE	MH MANHOLE	WDP WOOD PANEL
CI CURB INLET	MFR MANUFACTURER	X EXISTING
CB CATCH BASIN	MAS MASONRY	
CLG CEILING	MO MASONRY OPENING	
CTR CENTER	MTL METAL	
CJ CONTROL JOINT	MAX MAXIMUM	
CL CENTER LINE	MECH MECHANICAL	
CPT CARPET	MTC MECHANICAL TRADES CONTRACTOR	
CT CERAMIC TILE	MEMB MEMBRANE	
CLR CLEAR	MT MARBLE TILE	
CLO CLOSET	MIN MINIMUM	
COL COLUMN	MISC MISCELLANEOUS	
CONC CONCRETE	MTD MOUNDED	
CONN CONNECTION	MTG MOUNTING	
CONST CONSTRUCTION	MUL MULLION	
CM CONSTRUCTION MANAGER		NOM NOMINAL
CONT CONTINUOUS OR CONTINUE		N NORTH
CONTR CONTRACTOR		N.I.C. NOT IN CONTRACT
CK CORK		N.T.S. NOT TO SCALE
CORR CORRIDOR		NO OR # NUMBER
CNSK COUNTERSUNK		
CRS COURSE		
		OBS OBSCURE
DEMO DEMOLISH OR DEMOLITION		OFF OFFICE
DEPT DEPARTMENT		O.C. ON CENTER
DL DEAD LOAD		OPNG OPENING
DIA DIAMETER		OPP OPPOSITE
DIM DIMENSION		OSB ORIENTED STRAND BOARD
DISP DISPENSER		O.D. OUTSIDE DIAMETER
DIV DIVISION		OA OVERALL
DR DOOR		OFD OVERFLOW DRAIN
DO DOOR OPENING		
DBL DOUBLE		PT PAINT
DS DOWNSPOUT		PTD PAINTED
DRW DRAWER		PR PAIR
DWG DRAWING		PNL PANEL
DF DRINKING FOUNTAIN		PBD PARTICLE BOARD
DS DRY STANDPIPE		PTN PARTITION
DWT DETECTABLE WARNING TILE		PLAS PLASTIC
		P-LAM PLASTIC LAMINATE
E EAST		PL PLATE
EA EACH		PTC PLUMBING TRADES CONTRACTOR
EIFS EXTERIOR INSULATION FINISH SYSTEM		PLYWD PLYWOOD
ELEC ELECTRICAL		PSI POUNDS PER SQUARE INCH
ETC ELECTRICAL TRADES CONTRACTOR		PC PRECAST
EWC ELECTRICAL WATER COOLER		PCC PRECAST CONCRETE
EP ELECTRICAL PANEL BOARD		
EL ELEVATION		QT QUARRY TILE
ELEV ELEVATION		R RADIUS
ELVTR ELEVATOR		RWL RAIN WATER LEADER
ENCL ENCLOSURE		RFRG REFRIGERATOR
EMER EMERGENCY		RGTR REGISTER
EP PT EPOXY PAINT		REINF REINFORCED
EPF EPOXY FLOORING		REQD REQUIRED
EQ EQUAL		RES RESILIENT
EQUIP EQUIPMENT		RA RETURN AIR
EXSTG EXISTING		RAG RETURN AIR GRILLE
EXP EXPANSION		RH RIGHT HAND
EXP JT EXPANSION JOINT		ROW RIGHT OF WAY
EXPD EXPOSED		R RISER
EXTR EXTERIOR		RD ROOF DRAIN
		RM ROOM
		R.O. ROUGH OPENING
		RB RUBBER BASE
FOC FACE OF CONCRETE		
FOF FACE OF FINISH		SECT SECTION
FOS FACE OF STUD		SK SINK
FR FIBERGLASS REINFORCED PANEL		SCHED SCHEDULE
FIN FINISH OR FINISHED		SHTG SHEATHING
FA FIRE ALARM		SHT SHEET
FE FIRE EXTINGUISHER		SV SHEET VINYL
FEC FIRE EXTINGUISHER CABINET		SHWR SHOWER
FHC FIRE HOSE CABINET		SIM SIMILAR
FPRF FIREPROOF		SC SEALED CONCRETE
FB FLAT BAR STOCK		SPM SINGLE PLY MEMBRANE
FL FLOOR		S SOUTH
FD FLOOR DRAIN		SFRM SPRAY APPLIED FIRE RESISTIVE MATERIAL
FLUOR FLUORESCENT		SPEC SPECIFICATION
FT FOOT OR FEET		SO SQUARE
FTG FOOTING		S.S. STAINLESS STEEL
FDN FOUNDATION		STD STANDARD
FRM FRAME		STA STATION
FRMG FRAMING		STL STEEL
FS FULL SIZE		STOR STORAGE
FURR FURRING		STRUCT STRUCTURE OR STRUCTURAL
FUTR FUTURE		SUSP SUSPENDED
FW FABRIC WALLCOVERING		SAT SUSPENDED ACOUSTICAL TILE
		SYM SYMMETRICAL
GA GAUGE		
GALV GALVANIZED		
GEN GENERAL		
GC GENERAL CONTRACTOR		
GTC GENERAL TRADES CONTRACTOR		
GL GLASS OR GLAZING		
GD GRADE		
GND GROUND		
GYP BD GYPSUM BOARD		

**MATERIAL DESIGNATIONS:**

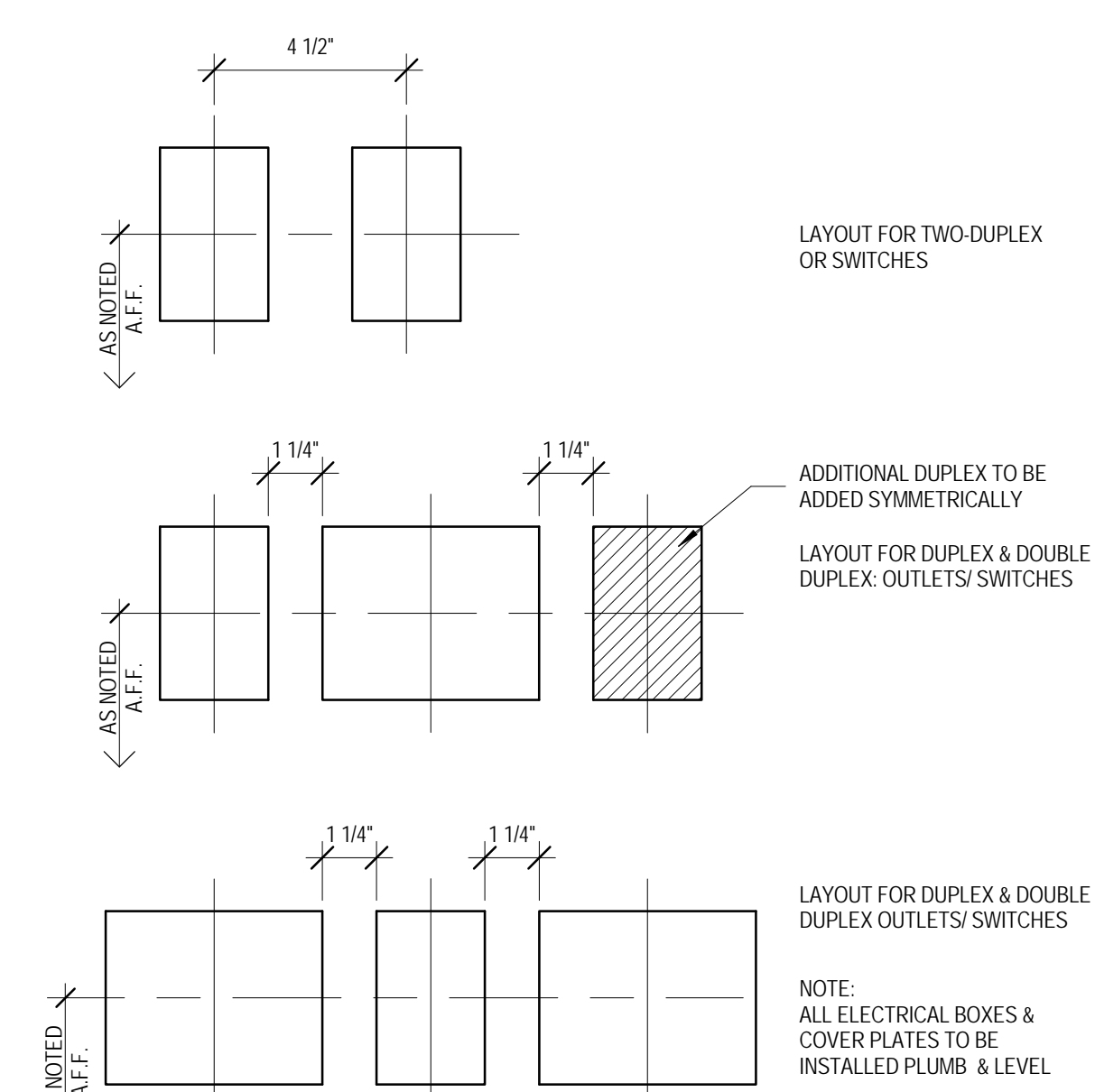
	ALUMINUM
	CONCRETE, PRECAST CONCRETE
	GRANULAR BASE
	CONCRETE MASONRY BLOCK
	GROUT / GYP. BD.
	FACE BRICK MASONRY
	FACE BRICK MASONRY
	EARTH
	SAND
	PLYWOOD
	WOOD BLOCKING (CONTINUOUS)
	WOOD BLOCKING (SHIM, STRIP)
	RIGID INSULATION
	SPRAY FOAM INSULATION
	SPRAY APPLIED FIRE PROOFING
	STEEL
	EXTERIOR WEATHER BARRIER INSULATION
	BACKER ROD AND SEALANT



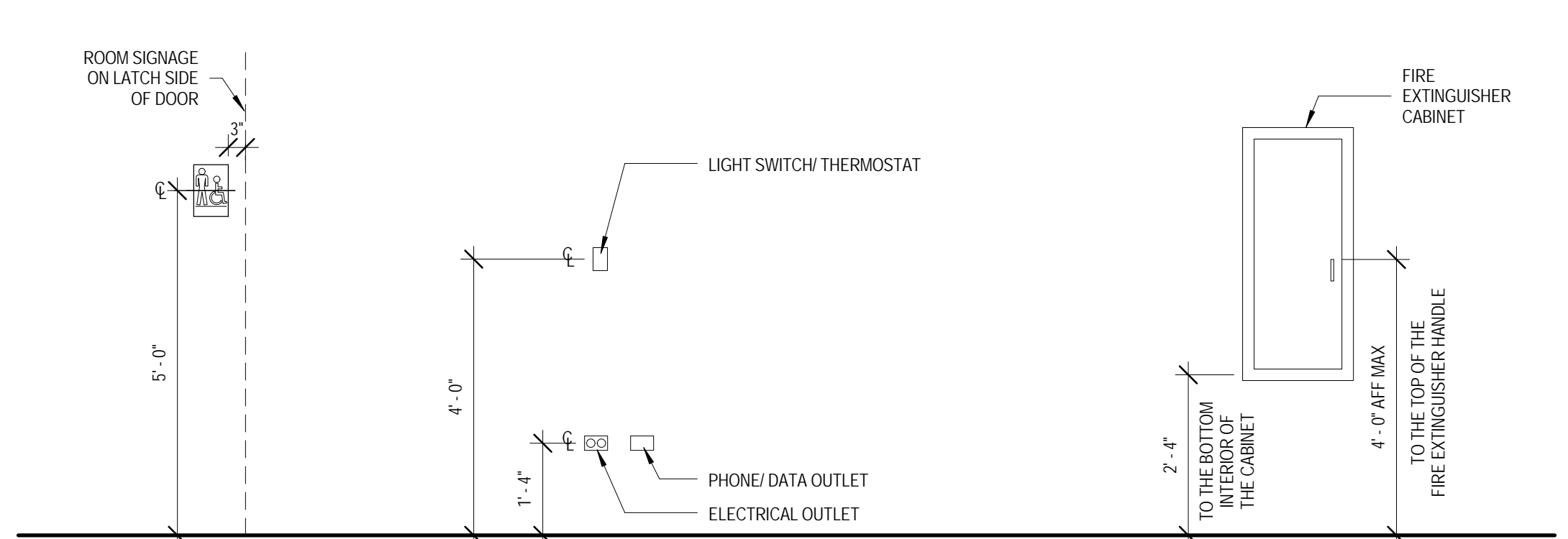
**1 DEVICE/FIXTURE ALIGNMENT**  
1/2" = 1'-0"



**2 ROOM INTERIORS TYP. EQUIPMENT LAYOUT @ DOORS**  
1/2" = 1'-0"



**3 TYP. OUTLETS/ SWITCH SPACING**  
3" = 1'-0"



**4 ADA MOUNTING HEIGHTS**  
1/2" = 1'-0"

NOTE: IN THE EVENT OF A CONFLICT BETWEEN DIMENSIONS SHOWN ON THIS DRAWING AND ANY OTHER ARCHITECTURAL, ELECTRICAL, OR MECHANICAL SHEETS OR SPECIFICATIONS, NOTIFY ARCHITECT OF DISCREPANCY.



ARCHITECT OF RECORD  
**DEMIONA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE**  
**MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID**  
**PACKAGE 2**

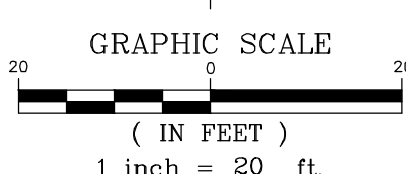
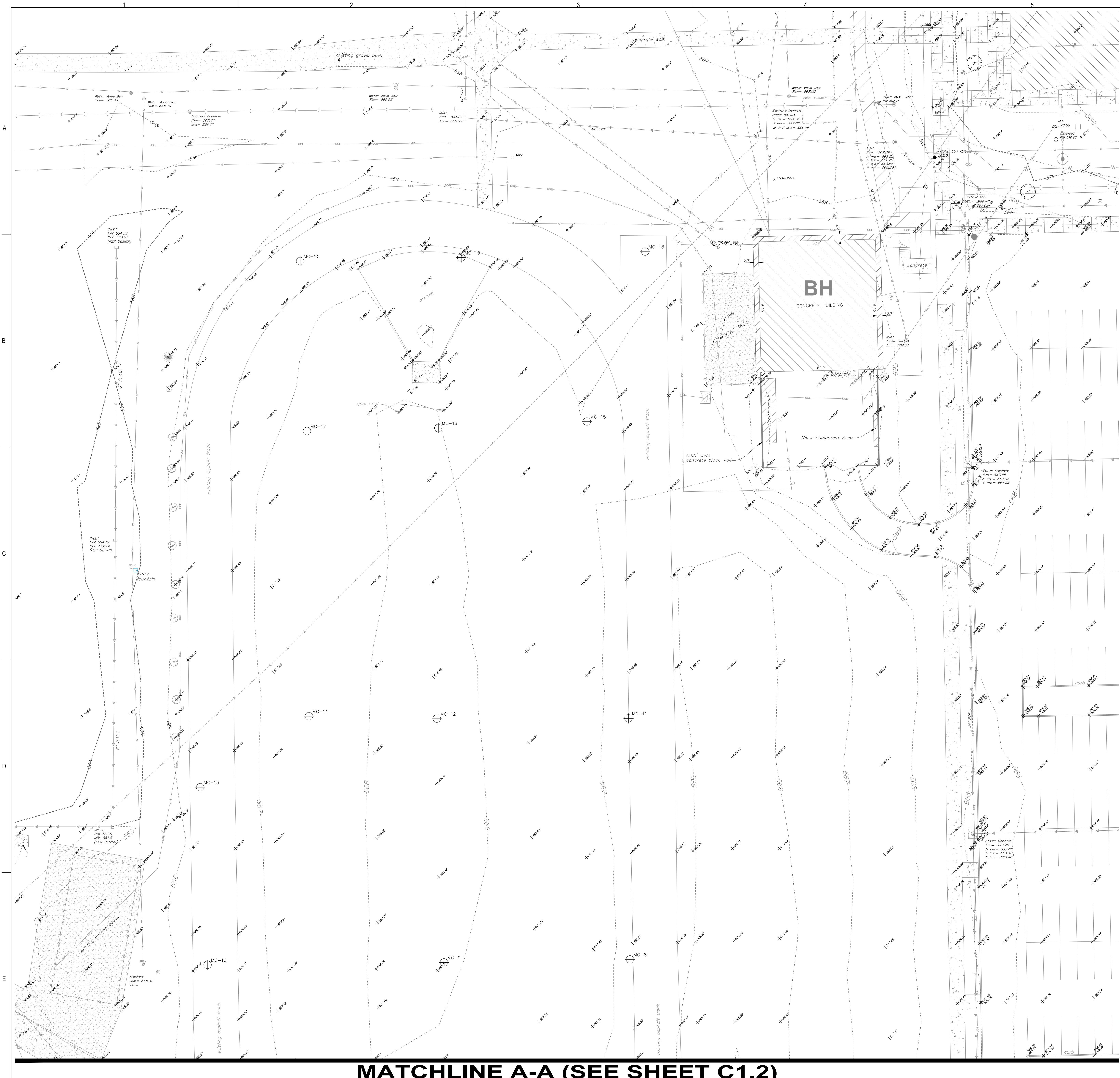
NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ABBREVIATIONS, SYMBOLS, AND GENERAL DETAILS**

SHEET NUMBER:

**G1.01**





**LEGEND**

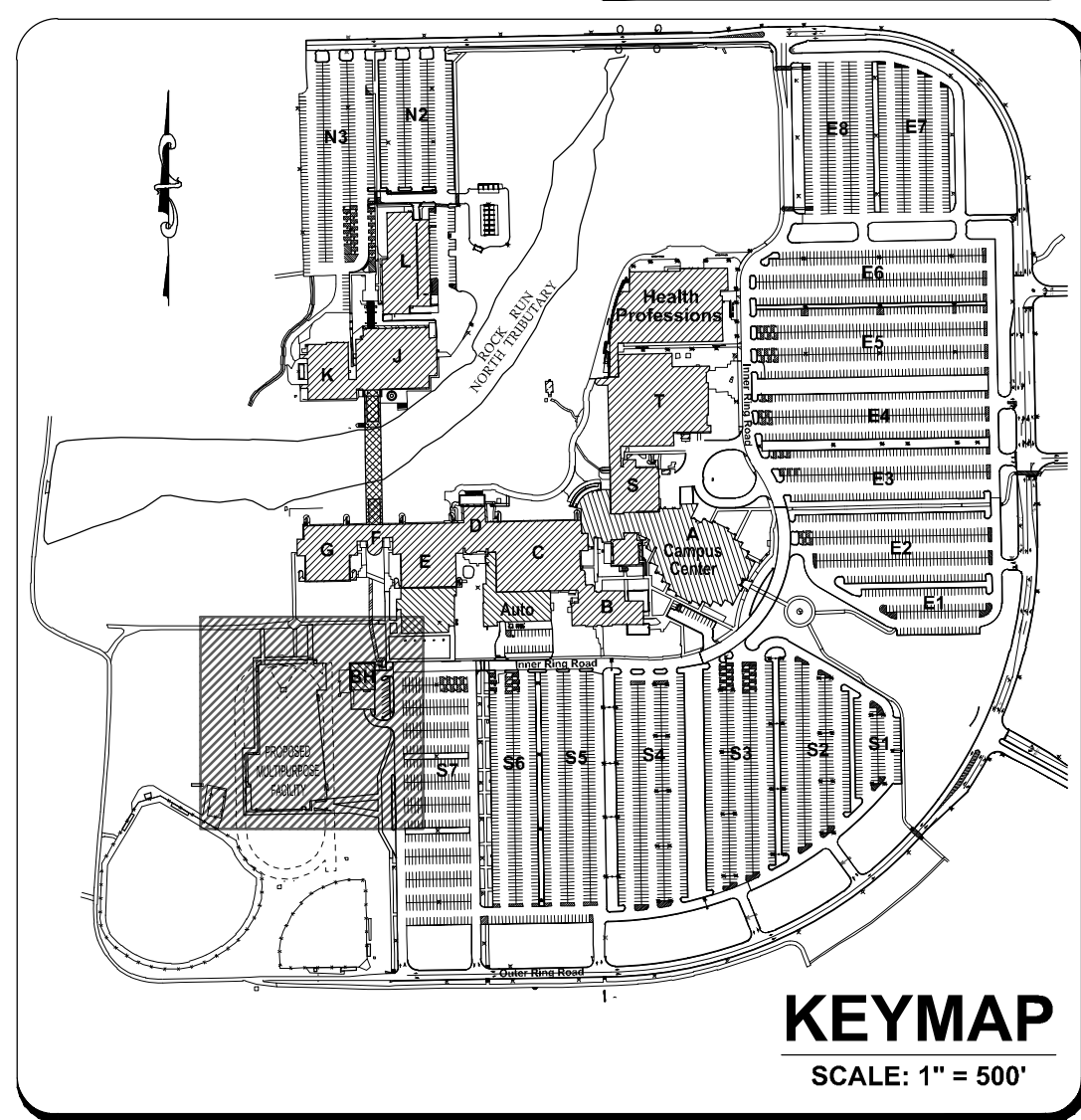
XXXXXX	EXISTING ELEVATION
---	EXISTING CONTOUR
T/F	TOP OF FOUNDATION
F.F.	FINISHED FLOOR
CMP	CORRUGATED METAL PIPE
FES	FLOW END SECTION
---	TOP OF WALL
---	FLOW LINE
RCP	REINFORCED CONCRETE PIPE
CPP	CORRUGATED PLASTIC PIPE
PVC	POLYVINYL CHLORIDE PIPE
◆	UTILITY POLE
○	GUY ANCHOR
---	UNDERGROUND ELECTRIC LINES
---	OVERHEAD ELECTRIC LINES
---	STREET LIGHT
⊕	VALVE & VALET
⊕	FIRE HYDRANT
⊕	STORM SEWER INLET
⊕	STORM SEWER MANHOLE
⊕	STORM SEWER LINES
---	"SUSPECTED" STORM SEWER LINES
---	CABLE TV HANDHOLE
---	CABLE TV PEDESTAL
---	UNDERGROUND CABLE TV LINES
---	TELEPHONE PEDESTAL
---	TELEPHONE CONTROL MANHOLE
---	UNDERGROUND TELEPHONE LINES
---	SIGN
---	UNDERGROUND GAS LINES
---	SIGNAL CONTROL BOX
---	SIGNAL PEDESTAL
⊕	EVERGREEN TREE W/ DIAMETER
⊕	EXISTING TREE W/ DIAMETER
⊕	BUSH W/ DIAMETER
⊕	TRAFFIC SIGNAL
⊕	TRAFFIC SIGNAL HANDHOLE
⊕	GAS METER
⊕	SANITARY SEWER MANHOLE
---	"SUSPECTED" SANITARY SEWER LINES
---	GUARDRAIL
---	ELECTRIC BOX
---	ELECTRIC HANDHOLE
---	ELECTRIC OUTLET
---	ELECTRIC TRANSFORMER
---	GAS VALVE BOX
---	LANDSCAPE LIGHT
---	BUFFALO BOX
---	HAND WATER PUMP
---	ELECTRIC METER
---	"SUSPECTED" UNDERGROUND WATER LINES
---	ROPE POST
---	IRRIGATION CONTROL VALVE
---	CLEAN OUT
---	TELEPHONE HANDHOLE
---	LIGHT HANDHOLE
---	EXISTING SOIL BORING LOCATION

EXISTING CONDITIONS SHOWN HEREON ARE FROM SURVEYS BY R.T. & A. (2008-2015) DURING VARIOUS PHASES OF CAMPUS CONSTRUCTION AND FROM PREVIOUSLY PROPOSED IMPROVEMENT PLANS BY R.T. & A. (2008-2015). FIELD VERIFY EXACT LOCATIONS PRIOR TO ANY CONSTRUCTION. EXISTING UNDERGROUND UTILITIES WERE LOCATED BY GROUND PENETRATING RADAR, UTILITY COMPANY MAPS AND JOE LOCATIONS MAPS AND THEREFORE THEIR LOCATIONS ARE APPROXIMATE AND SHOWN FOR INFORMATION ONLY. FIELD VERIFY FOR MORE ACCURATE LOCATION, FIELD EXCAVATE.

**SITE BENCHMARK 1:**  
HEAD BOLT ON FIRE HYDRANT THAT ARROW POINTS TO, LOCATED APPROXIMATELY 740' SOUTH OF MAIN CAMPUS ENTRY ROAD (ONTO HOUBOLT ROAD).  
ELEVATION = 607.75 (NAVD 88)

**SITE BENCHMARK 2:**  
CUT CROSS TOP OF CONCRETE PAD BY ELECTRIC METER LOCATED TO THE EAST OF THE BASEBALL FIELD PRESS BOX.  
ELEVATION = 564.18 (NAVD 88)

FIELD VERIFY BENCHMARK WITH BENCHMARK LIST.



**RT & A** Ruettiger, Tonelli & Associates, Inc.  
 Surveyors • Engineers • Planners • Landscape Architects • G.I.S. Consultants  
 129 CAPISTA DRIVE • SHOREWOOD, ILLINOIS 60404  
 TEL: (815) 744-6600 FAX: (815) 744-0100  
 website: www.ruettiger-tonelli.com

LATEST R.T. & A. REVISION: 6-1-2015  
 FIELD BOOK & PAGE: JJC

**R.T. & A. Dwg. No.: 401-0058-C1**



ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD. SUITE  
 400W NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DRIVE  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 06/01/15

**BID PACKAGE 1  
 ISSUED FOR BID**

NO.	DESCRIPTION	DATE

SHEET TITLE:  
**EXISTING CONDITIONS  
 (1 OF 3)**

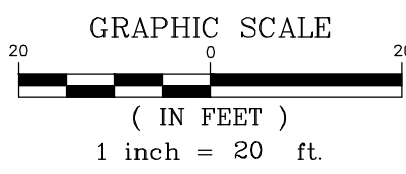
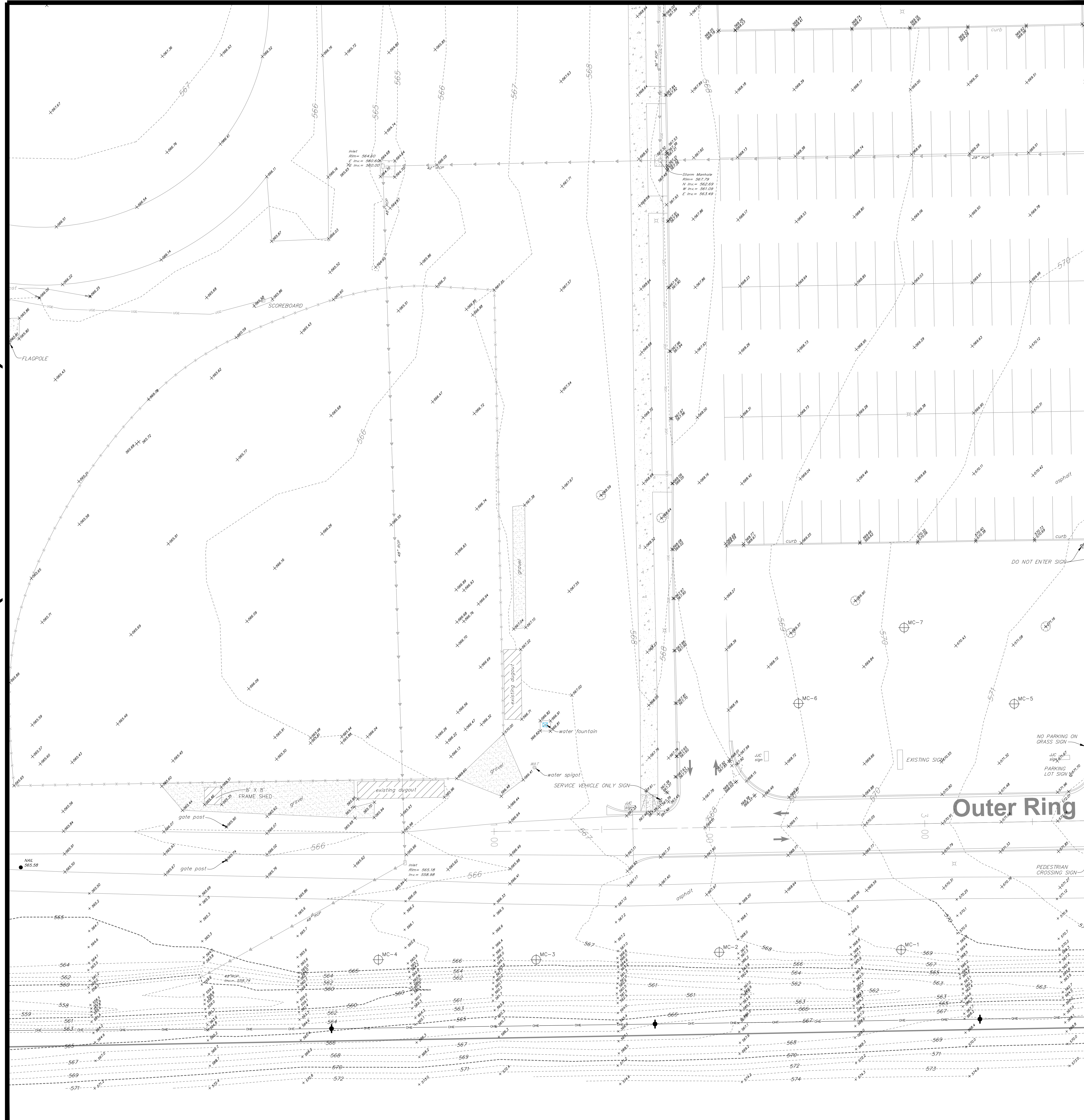
SHEET NUMBER:  
**C1.1**

**MATCHLINE A-A (SEE SHEET C1.2)**



MATCHLINE A-A (SEE SHEET C1.1)

MATCHLINE B-B (SEE SHEET C1.3)



**LEGEND**

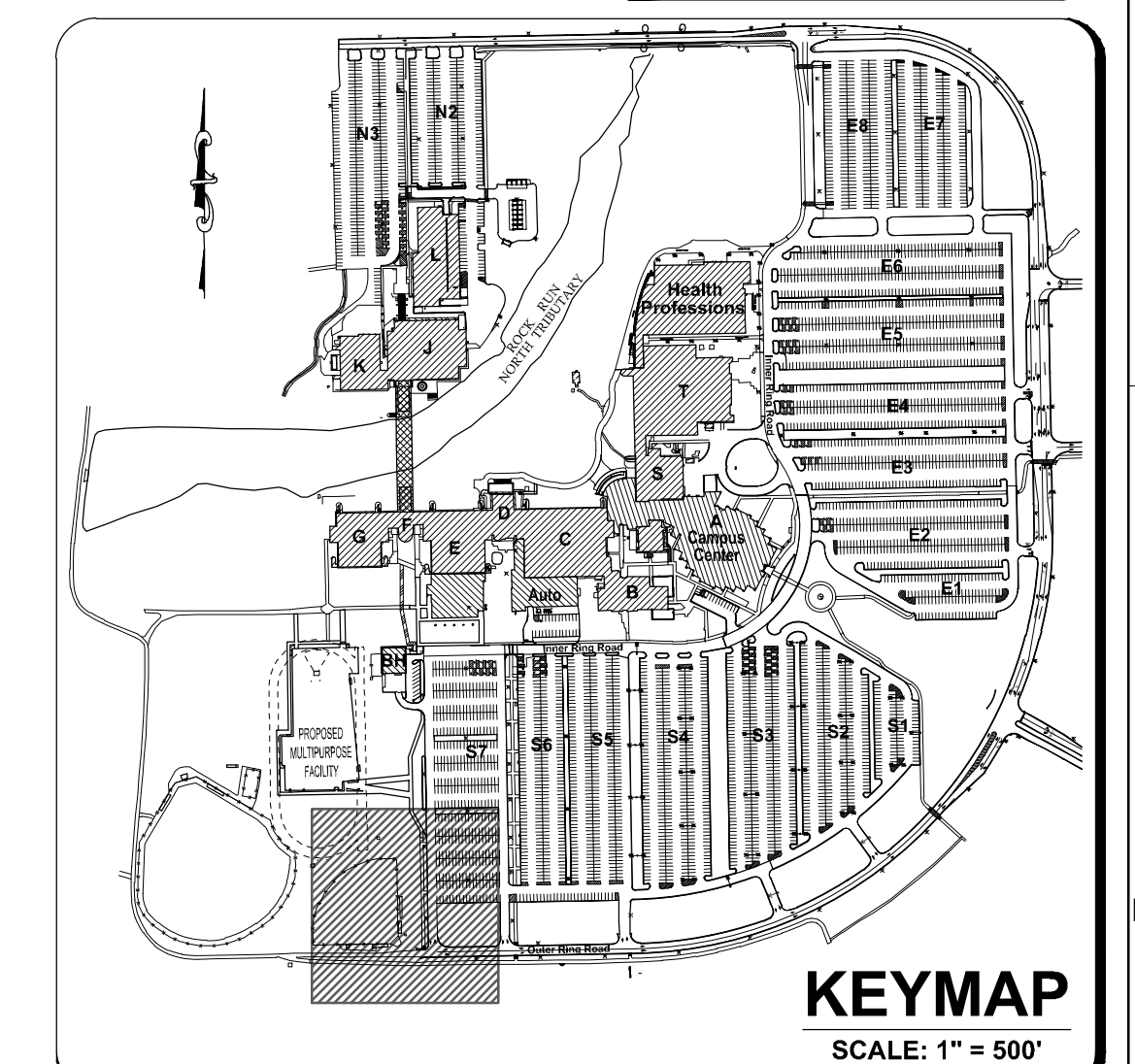
XXXXXX	EXISTING ELEVATION
---	EXISTING CONTOUR
T/F	TOP OF FOUNDATION
F.F.	FINISHED FLOOR
CMP	CORRUGATED METAL PIPE
FES	FLARED END SECTION
T/WALL	TOP OF WALL
FL	FLOOR LINE
RCP	REINFORCED CONCRETE PIPE
CPP	CORRUGATED PLASTIC PIPE
PVC	POLYVINYL CHLORIDE PIPE
U	UTILITY POLE
GA	GUY ANCHOR
---	UNDERGROUND ELECTRIC LINES
---	OVERHEAD ELECTRIC LINES
---	STREET LIGHT
⊕	VALVE & VALET
⊕	FIRE HYDRANT
⊕	STORM SEWER INLET
⊕	STORM SEWER MANHOLE
⊕	STORM SEWER LINES
⊕	"SUSPECTED" STORM SEWER LINES
⊕	CABLE TV HANDHOLE
⊕	UNDERGROUND CABLE TV LINES
⊕	TELEPHONE PEDESTAL
⊕	TELEPHONE CONTROL MANHOLE
⊕	UNDERGROUND TELEPHONE LINES
⊕	SIGN
⊕	UNDERGROUND GAS LINES
⊕	SIGNAL CONTROL BOX
⊕	SIGNAL PEDESTAL
⊕	EVERGREEN TREE W/ DIAMETER
⊕	EXISTING TREE W/ DIAMETER
⊕	BUSH W/ DIAMETER
⊕	TRAFFIC SIGNAL
⊕	TRAFFIC SIGNAL HANDHOLE
⊕	GAS METER
⊕	"SUSPECTED" SANITARY SEWER LINES
⊕	GUARDRAIL
⊕	ELECTRIC BOX
⊕	ELECTRIC HANDHOLE
⊕	ELECTRIC OUTLET
⊕	ELECTRIC TRANSFORMER
⊕	GAS VALVE BOX
⊕	LANDSCAPE LIGHT
⊕	BUFFALO BOX
⊕	HAND WATER PUMP
⊕	ELECTRIC METER
⊕	"SUSPECTED" UNDERGROUND WATER LINES
⊕	ROPE POST
⊕	IRRIGATION CONTROL VALVE
⊕	CLEAN OUT
⊕	TELEPHONE HANDHOLE
⊕	LIGHT HANDHOLE
⊕	EXISTING SOIL BORING LOCATION

EXISTING CONDITIONS SHOWN HEREON ARE FROM SURVEYS BY R.T. & A. (2008-2015) DURING VARIOUS PHASES OF CAMPUS CONSTRUCTION AND FROM PREVIOUSLY PROPOSED IMPROVEMENT PLANS BY R.T. & A. (2008-2015). FIELD VERIFY EXACT LOCATIONS PRIOR TO ANY CONSTRUCTION. EXISTING UNDERGROUND UTILITIES ARE LOCATED BY USING PHYSICAL EVIDENCE, UTILITY COMPANY MAPS AND GIS LOCATIONS. MAPS AND SURVEYS ARE APPROXIMATE AND SUGGESTED AND MAY NOT BE COMPLETELY ACCURATE. FOR MORE ACCURATE LOCATION, FIELD EXCAVATE.

**SITE BENCHMARK 1:**  
HEAD BOLT ON FIRE HYDRANT THAT ARROW POINTS TO. LOCATED APPROXIMATELY 740' SOUTH OF MAIN CAMPUS ENTRY ROAD (ONTO HOBOLT ROAD).  
ELEVATION = 607.75 (NAVD 88)

**SITE BENCHMARK 2:**  
OUT CROSS TOP OF CONCRETE PAD BY ELECTRIC. PHASE LOCATED TO THE EAST OF THE BASEBALL FIELD PRESS BOX.  
ELEVATION = 564.18 (NAVD 88)

FIELD VERIFY BENCHMARK WITH BENCHMARK LIST.



ARCHITECT OF RECORD  
DEMONICA KEMPER ARCHITECTS  
125 N. HALSTED STREET, SUITE 301  
CHICAGO, IL 60661  
P: 312.496.0000

STRUCTURAL AND MEP/P ENGINEERING  
KJWW ENGINEERING CONSULTANTS  
1100 WARRENVILLE RD. SUITE  
400W NAPERVILLE, IL 60563  
P: 630.527.2320

CIVIL ENGINEERING  
RUETTIGER, TONELLI & ASSOC., INC.  
129 CAPISTA DRIVE  
SHOREWOOD, IL 60404  
P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
MULTIPURPOSE FACILITY**  
1215 HOUBOLT ROAD, IL 60431  
DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 06/01/15

**BID PACKAGE 1  
ISSUED FOR BID**

NO.	DESCRIPTION	DATE

SHEET TITLE:  
**EXISTING CONDITIONS  
(2 OF 3)**

SHEET NUMBER:  
**C1.2**

**RT & A** Ruettiger, Tonelli & Associates, Inc.  
Surveyors • Engineers • Planners • Landscape Architects • G.I.S. Consultants  
129 CAPISTA DRIVE • SHOREWOOD, ILLINOIS 60404  
TEL: (815) 744-6600 FAX: (815) 744-0101  
website: www.ruettiger-tonelli.com

LATEST R.T.A. REVISION: 6-1-2015 R.T. & A. Dwg. No.: 401-0058-C1  
FIELD BOOK & PAGE: JJC





ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD. SUITE  
 400W NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPSTA DRIVE  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 06/01/15

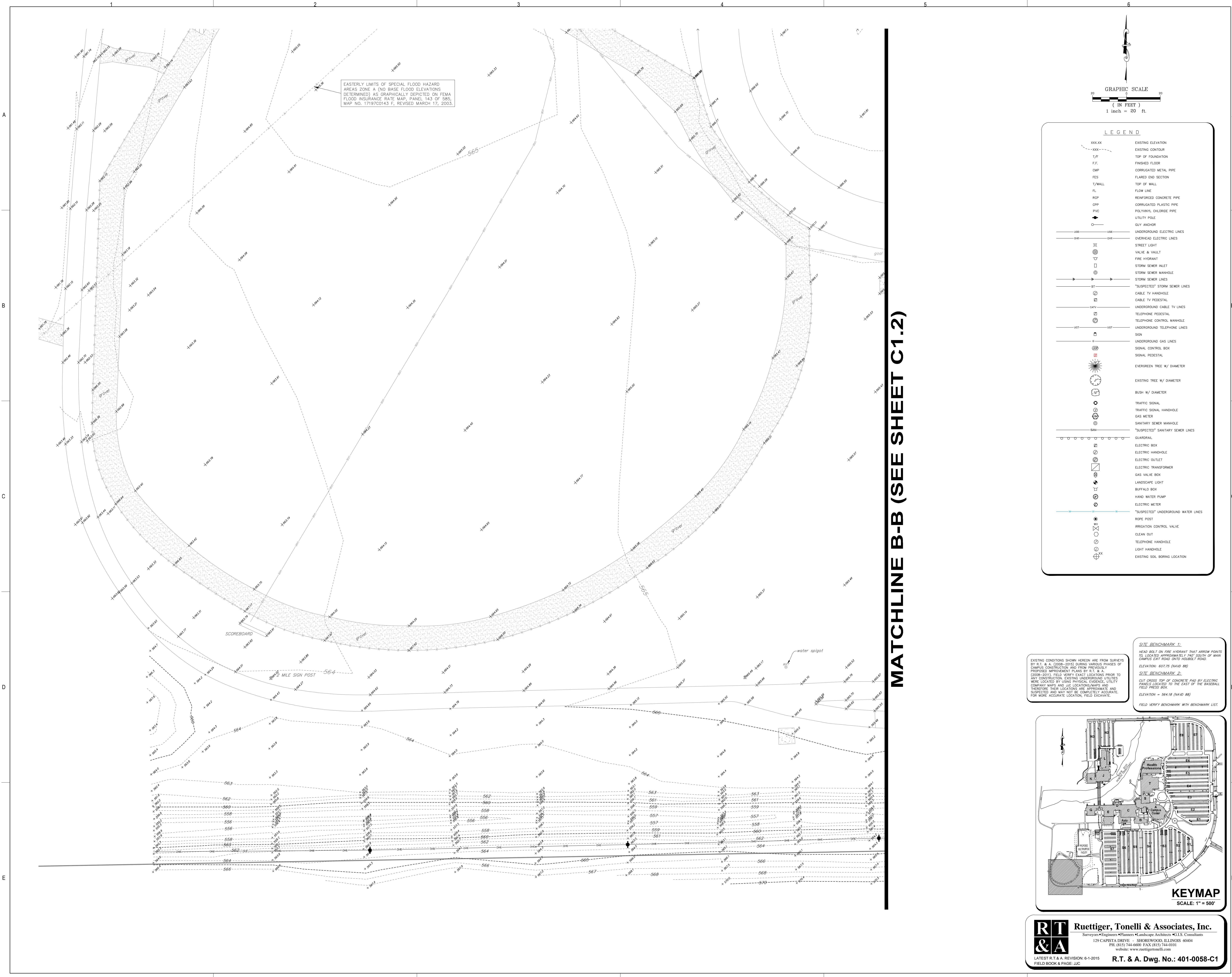
**BID PACKAGE 1  
 ISSUED FOR BID**

NO.	DESCRIPTION	DATE

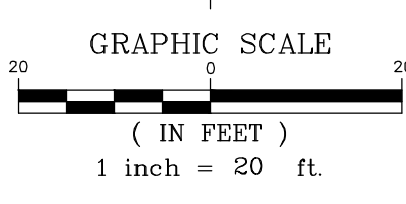
SHEET TITLE:  
**EXISTING CONDITIONS  
 (3 OF 3)**

SHEET NUMBER:

**C1.3**



EASTERLY LIMITS OF SPECIAL FLOOD HAZARD  
 AREAS ZONE A (NO BASE FLOOD ELEVATIONS  
 DETERMINED) AS GRAPHICALLY DEPICTED ON FEMA  
 FLOOD INSURANCE RATE MAP, PANEL 143 OF 565,  
 MAP NO. 17197C0143 F, REVISED MARCH 17, 2003.



**LEGEND**

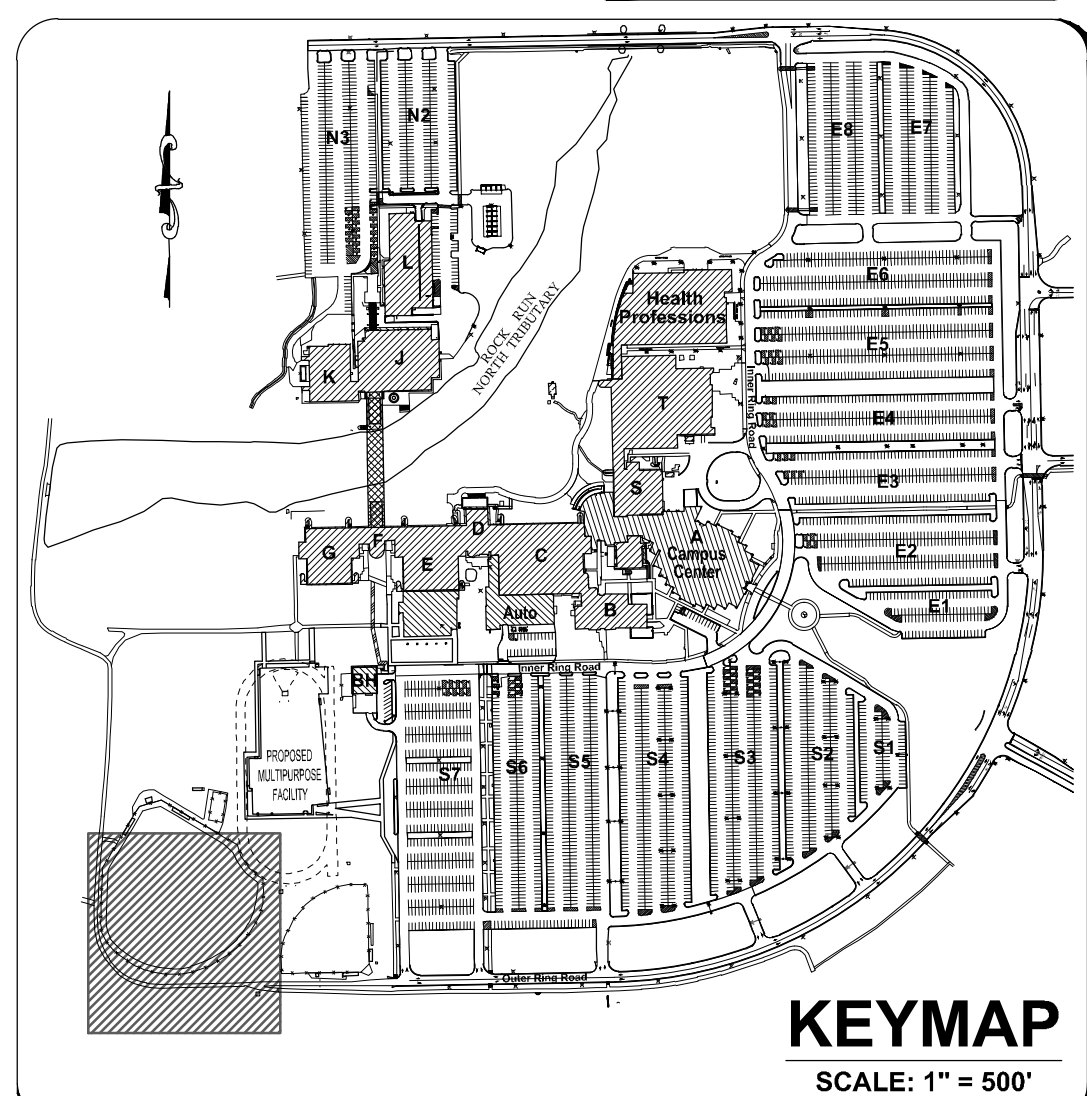
XXXXXX	EXISTING ELEVATION
---	EXISTING CONTOUR
T/F	TOP OF FOUNDATION
F.F.	FINISHED FLOOR
CMP	CORRUGATED METAL PIPE
FES	FLARED END SECTION
TOP OF WALL	TOP OF WALL
FL	FLOW LINE
RCP	REINFORCED CONCRETE PIPE
CPP	CORRUGATED PLASTIC PIPE
PVC	POLYVINYL CHLORIDE PIPE
U	UTILITY POLE
GA	GUY ANCHOR
---	UNDERGROUND ELECTRIC LINES
---	OVERHEAD ELECTRIC LINES
---	STREET LIGHT
⊕	VALVE & VALET
⊕	FIRE HYDRANT
⊕	STORM SEWER INLET
⊕	STORM SEWER MANHOLE
---	STORM SEWER LINES
---	"SUSPECTED" STORM SEWER LINES
---	CABLE TV HANDHOLE
---	UNDERGROUND CABLE TV LINES
---	TELEPHONE PEDESTAL
---	TELEPHONE CONTROL MANHOLE
---	UNDERGROUND TELEPHONE LINES
---	SIGN
---	UNDERGROUND GAS LINES
---	SIGNAL CONTROL BOX
---	SIGNAL PEDESTAL
⊙	EVERGREEN TREE W/ DIAMETER
⊙	EXISTING TREE W/ DIAMETER
⊙	BUSH W/ DIAMETER
⊙	TRAFFIC SIGNAL
⊙	TRAFFIC SIGNAL HANDHOLE
⊙	GAS METER
⊙	"SUSPECTED" SANITARY SEWER LINES
---	GUARDRAIL
⊙	ELECTRIC BOX
⊙	ELECTRIC HANDHOLE
⊙	ELECTRIC OUTLET
⊙	ELECTRIC TRANSFORMER
⊙	GAS VALVE BOX
⊙	LANDSCAPE LIGHT
⊙	BUFFALO BOX
⊙	HAND WATER PUMP
⊙	ELECTRIC METER
---	"SUSPECTED" UNDERGROUND WATER LINES
⊙	ROPE POST
⊙	IRRIGATION CONTROL VALVE
⊙	CLEAN OUT
⊙	TELEPHONE HANDHOLE
⊙	LIGHT HANDHOLE
⊙	EXISTING SOIL BORING LOCATION

EXISTING CONDITIONS SHOWN HEREON ARE FROM SURVEYS BY R.T. & A. (2008-2015) DURING VARIOUS PHASES OF CAMPUS CONSTRUCTION AND FROM PREVIOUSLY PROPOSED IMPROVEMENT PLANS BY R.T. & A. (2008-2015). FIELD VERIFY EXACT LOCATIONS PRIOR TO ANY CONSTRUCTION. EXISTING UNDERGROUND UTILITIES ARE LOCATED BY GROUND PHYSICAL EXPOSURE, UTILITY COMPANY MAPS AND JOE LOCATIONS MAPS AND THEREFORE THEIR LOCATIONS ARE APPROXIMATE AND SUGGESTED AND MAY NOT BE COMPLETELY ACCURATE. FOR MORE ACCURATE LOCATION, FIELD EXCAVATE.

**SITE BENCHMARK 1:**  
 HEAD BOLT ON FIRE HYDRANT THAT ARROW POINTS TO, LOCATED APPROXIMATELY 740' SOUTH OF MAIN CAMPUS ENTRY ROAD (ON/OFF HOUBOLT ROAD).  
 ELEVATION = 607.75 (NAVD 88)

**SITE BENCHMARK 2:**  
 CUT DRESS TOP OF CONCRETE PAD BY ELECTRIC PHASES LOCATED TO THE EAST OF THE BASEBALL FIELD PRESS BOX.  
 ELEVATION = 564.18 (NAVD 88)

FIELD VERIFY BENCHMARK WITH BENCHMARK LIST.



**RT & A** Ruettiger, Tonelli & Associates, Inc.  
 Surveyors • Engineers • Planners • Landscape Architects • G.I.S. Consultants  
 129 CAPSTA DRIVE • SHOREWOOD, ILLINOIS 60404  
 TEL: (815) 744-6600 FAX: (815) 744-0100  
 website: www.ruettigertonnelli.com

LATEST R.T. & A. REVISION: 6-1-2015  
 FIELD BOOK & PAGE: JJC

**R.T. & A. Dwg. No.: 401-0058-C1**





ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEPFP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE  
 400W NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DRIVE  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

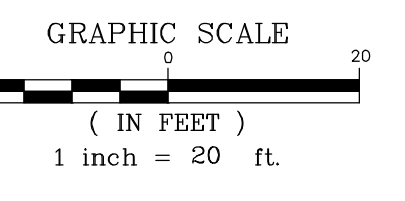
SHEET STATUS: 06/01/15  
**BID PACKAGE 1  
 ISSUED FOR BID**

NO.	DESCRIPTION	DATE
1	BP-1 ADDENDUM 1	6-23-2015

SHEET TITLE:  
**DEMOLITION PLAN  
 (1 OF 2)**

SHEET NUMBER:

**C2.1**



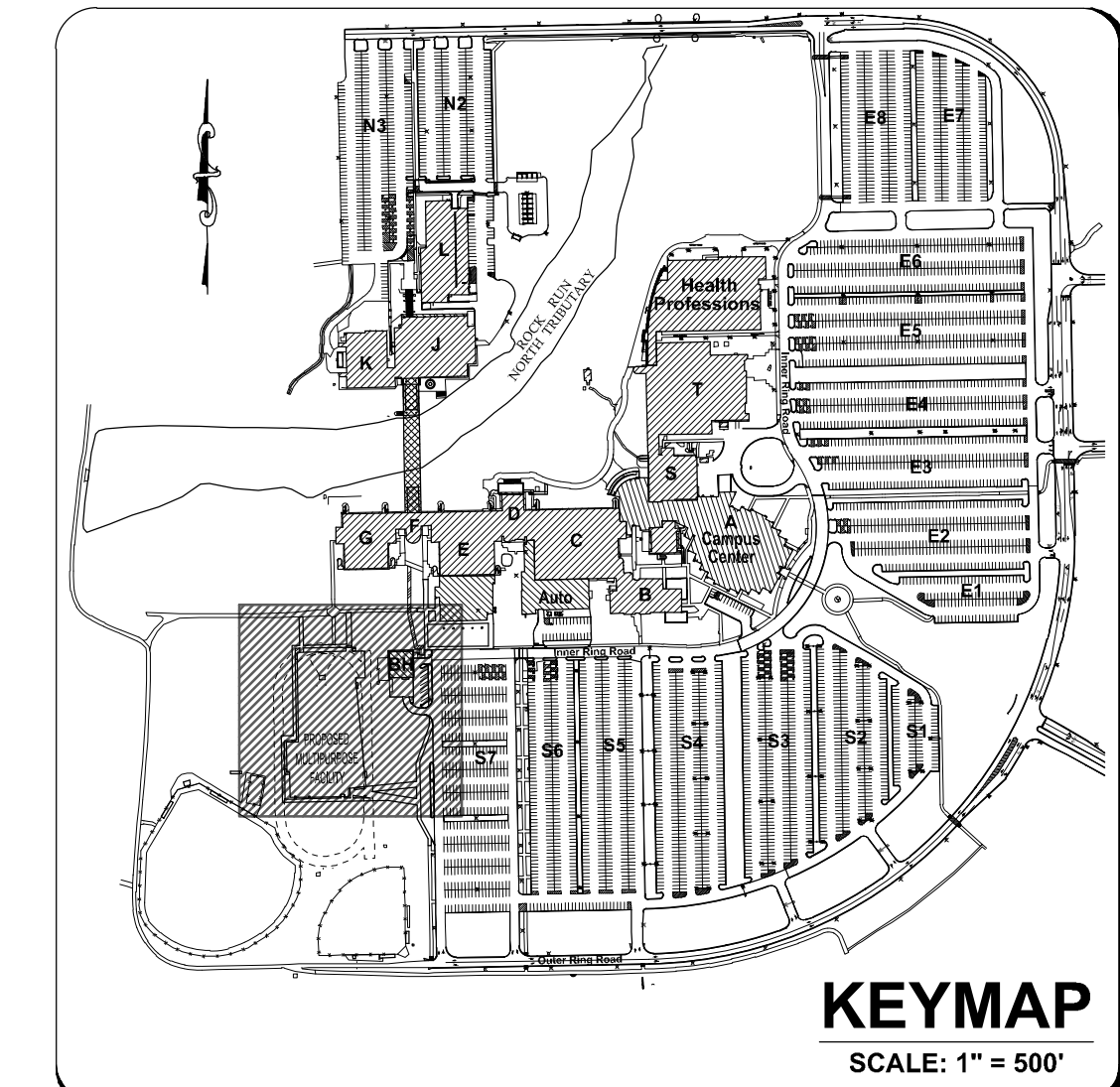
LEGEND	
XXXXXX	EXISTING ELEVATION
----	EXISTING CONTOUR
T/F	TOP OF FOUNDATION
---	FINISHED FLOOR
CMP	CORRUGATED METAL PIPE
FES	FLARED END SECTION
T/WALL	TOP OF WALL
FL	FLOW LINE
RCP	REINFORCED CONCRETE PIPE
CIP	CORRUGATED PLASTIC PIPE
PVC	POLYVINYL CHLORIDE PIPE
U	UTILITY POLE
○	GUY ANCHOR
---	UNDERGROUND ELECTRIC LINES
---	OVERHEAD ELECTRIC LINES
⊠	STREET LIGHT
⊠	VALVE & WELT
⊠	FIRE HYDRANT
⊠	STORM SEWER INLET
⊠	STORM SEWER MANHOLE
⊠	STORM SEWER INLET
⊠	"SUSPECTED" STORM SEWER LINES
⊠	CABLE TV HANDHOLE
⊠	CABLE TV FEEDSTOCK
---	UNDERGROUND CABLE TV LINES
⊠	TELEPHONE FEEDSTOCK
⊠	TELEPHONE CONTROL MANHOLE
---	UNDERGROUND TELEPHONE LINES
⊠	SIGN
---	UNDERGROUND GAS LINES
⊠	SIGNAL CONTROL BOX
⊠	SIGNAL PEDESTAL
⊠	ENVIROGREEN TREE W/ DIAMETER
⊠	EXISTING TREE W/ DIAMETER
⊠	BUSH W/ DIAMETER
⊠	TRAFFIC SIGNAL
⊠	TRAFFIC SIGNAL HANDHOLE
⊠	GAS METER
⊠	SANITARY SEWER MANHOLE
⊠	"SUSPECTED" SANITARY SEWER LINES
⊠	QUADRANT
⊠	ELECTRIC BOX
⊠	ELECTRIC HANDHOLE
⊠	ELECTRIC OUTLET
⊠	ELECTRIC TRANSFORMER
⊠	GAS VALVE BOX
⊠	LANDSCAPE LIGHT
⊠	BUFFALO BOX
⊠	HAND WATER PUMP
⊠	ELECTRIC METER
---	"SUSPECTED" UNDERGROUND WATER LINES
⊠	ROPE POST
⊠	IRRIGATION CONTROL VALVE
⊠	CLEAN OUT
⊠	TELEPHONE HANDHOLE
⊠	LIGHT HANDHOLE
⊠	TREE REMOVAL
⊠	EXISTING ITEM TO BE REMOVED AS NOTED
⊠	EXISTING ITEM TO BE REMOVED AS NOTED

**Call Before You Dig**  
**JULIE**  
 ILLINOIS ONE-CALL SYSTEM  
 CONTACT JULIE AT 815-600-992-0123  
 48 Hours (2 Working Days) BEFORE YOU DIG.  
 County, City/Township, Section & 1/2, Section No.

**SITE BENCHMARK 1:**  
 HEAD BOLT ON THE HYDRANT THAT POINTS TO THE EAST, APPROXIMATELY 10' SOUTH OF MAIN CAMPUS ENTRY DRIVE, HOUBOLT ROAD.  
 ELEVATION: 667.75 (NAVD 88)

**SITE BENCHMARK 2:**  
 CUT CROSS TOP OF CONCRETE PAD BY ELECTRIC PANELS LOCATED TO THE EAST OF THE BASEBALL FIELD PRESS BOX.  
 ELEVATION = 364.18 (NAVD 88)

FIELD VERIFY BENCHMARK WITH BENCHMARK LIST.



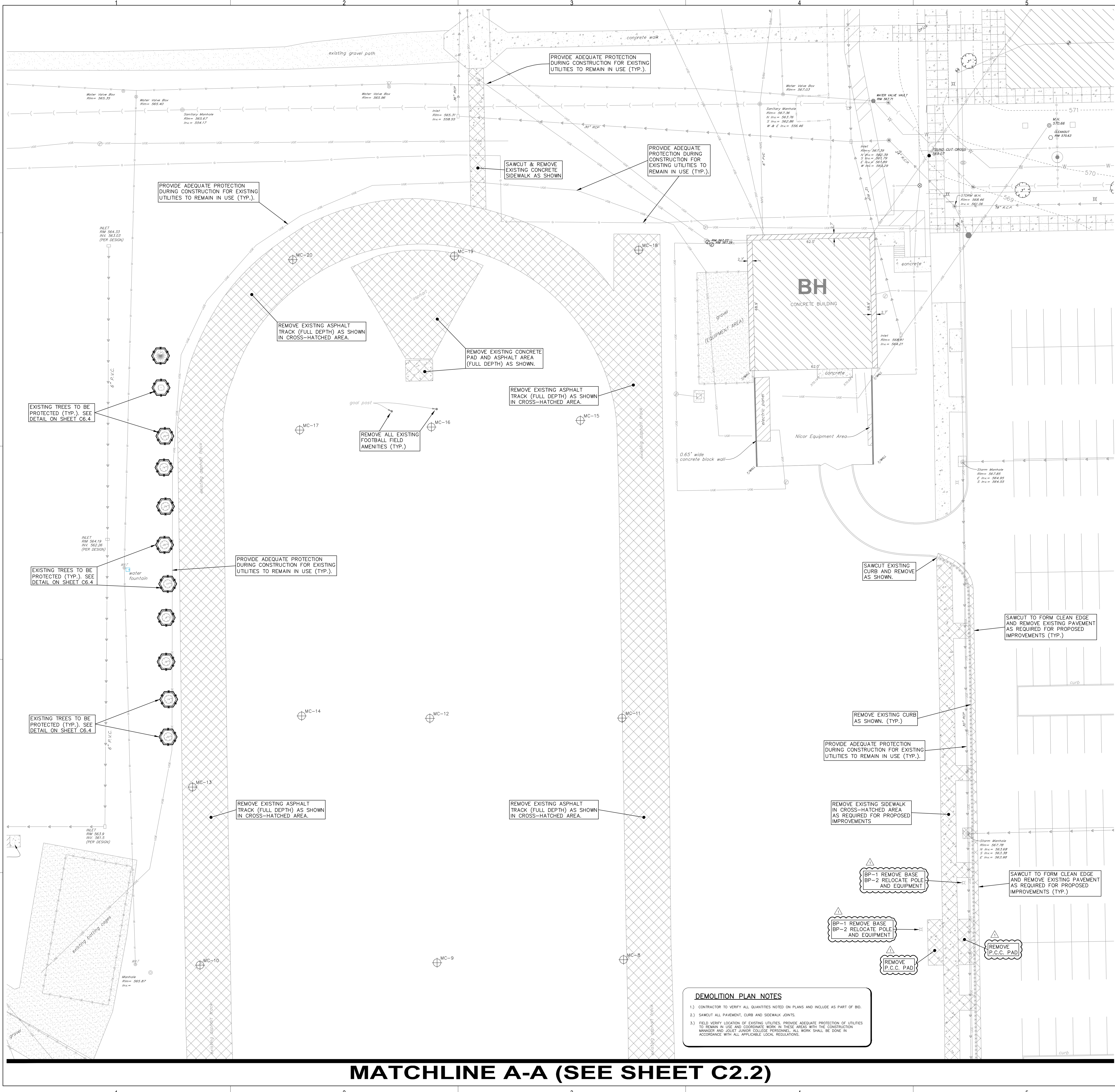
**RT & A**  
**Ruettiger, Tonelli & Associates, Inc.**  
 Surveyors • Engineers • Planners • Landscape Architects • G.I.S. Consultants  
 129 CAPISTA DRIVE • SHOREWOOD, ILLINOIS 60404  
 PH: 815.744.6600 FAX: 815.744.0101  
 Website: www.ruettiger-tonelli.com

LATEST R.T. & A. REVISION: 6-23-2015  
 FIELD BOOK & PAGE: JJC

**R.T. & A. Dwg. No.: 401-0058-C1**

- DEMOLITION PLAN NOTES**
- CONTRACTOR TO VERIFY ALL QUANTITIES NOTED ON PLANS AND INCLUDE AS PART OF BID.
  - SAWCUT ALL PAVEMENT, CURB AND SIDEWALK JOINTS.
  - FIELD VERIFY LOCATION OF EXISTING UTILITIES. PROVIDE ADEQUATE PROTECTION OF UTILITIES TO REMAIN IN USE AND COORDINATE WORK IN THESE AREAS WITH THE CONSTRUCTION MANAGER AND JOLIET JUNIOR COLLEGE PERSONNEL. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE LOCAL REGULATIONS.

**MATCHLINE A-A (SEE SHEET C2.2)**



**MATCHLINE A-A (SEE SHEET C2.2)**



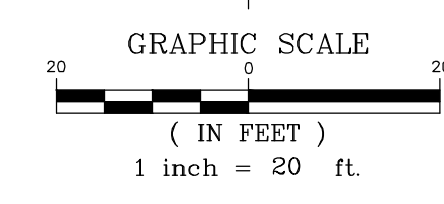


ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

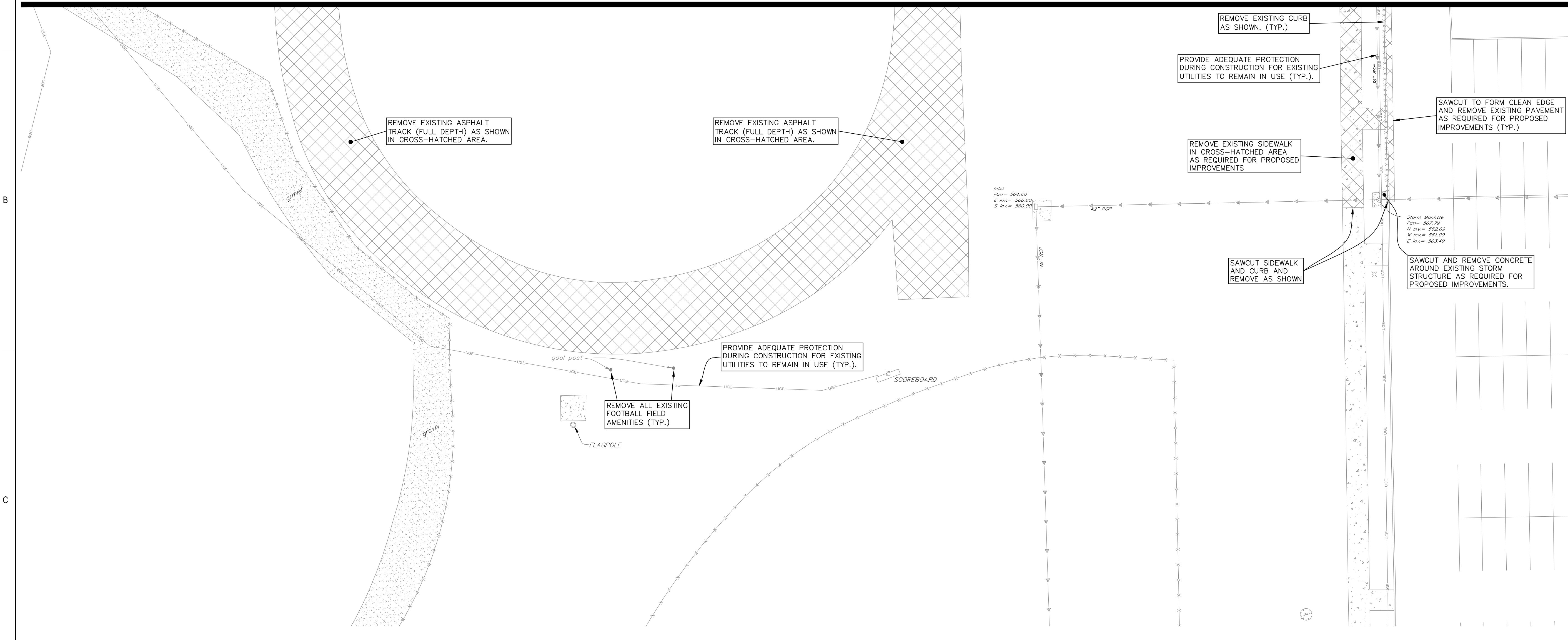
STRUCTURAL AND MEP/FP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD. SUITE  
 400W NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPSTA DRIVE  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, IL 60431  
 DKA PROJECT NO: 14-004



**MATCHLINE A-A (SEE SHEET C2.1)**



**LEGEND**

XXXXXX	EXISTING ELEVATION
---	EXISTING CONTOUR
T/F	TOP OF FOUNDATION
F.F.	FINISHED FLOOR
CMP	CORRUGATED METAL PIPE
FES	FLARED END SECTION
T/WALL	TOP OF WALL
FL	FLOW LINE
RCP	REINFORCED CONCRETE PIPE
CPP	CORRUGATED PLASTIC PIPE
PVC	POLYVINYL CHLORIDE PIPE
U	UTILITY POLE
GA	GUY ANCHOR
---	UNDERGROUND ELECTRIC LINES
---	OVERHEAD ELECTRIC LINES
SL	STREET LIGHT
VI	VALVE & VALVE
FI	FIRE HYDRANT
SI	STORM SEWER INLET
SM	STORM SEWER MANHOLE
SS	STORM SEWER LINES
SS*	*SUSPECTED* STORM SEWER LINES
CTV	CABLE TV HANDHOLE
CP	CABLE TV PEDISTAL
UC	UNDERGROUND CABLE TV LINES
TEL	TELEPHONE PEDISTAL
TCM	TELEPHONE CONTROL MANHOLE
UTL	UNDERGROUND TELEPHONE LINES
SG	SIGN
UG	UNDERGROUND GAS LINES
SCB	SIGNAL CONTROL BOX
SP	SIGNAL PEDISTAL
ET	EVERGREEN TREE W/ DIAMETER
ET	EXISTING TREE W/ DIAMETER
B	BUSH W/ DIAMETER
TS	TRAFFIC SIGNAL
TH	TRAFFIC SIGNAL HANDHOLE
GM	GAS METER
SMH	SANITARY SEWER MANHOLE
SS*	*SUSPECTED* SANITARY SEWER LINES
G	GUARDRAIL
EB	ELECTRIC BOX
EH	ELECTRIC HANDHOLE
EO	ELECTRIC OUTLET
ET	ELECTRIC TRANSFORMER
GV	GAS VALVE BOX
LL	LANDSCAPE LIGHT
BB	BUFFALO BOX
HWP	HAND WATER PUMP
EM	ELECTRIC METER
UWL	*SUSPECTED* UNDERGROUND WATER LINES
RP	ROPE POST
ICV	IRRIGATION CONTROL VALVE
CO	CLEAN OUT
TH	TELEPHONE HANDHOLE
LH	LIGHT HANDHOLE
TR	TREE REMOVAL
---	EXISTING ITEM TO BE REMOVED AS NOTED
XXXXXX	EXISTING CURB TO BE REMOVED AS NOTED
XXXXXX	EXISTING ITEM TO BE REMOVED AS NOTED

**DEMOLITION PLAN NOTES**

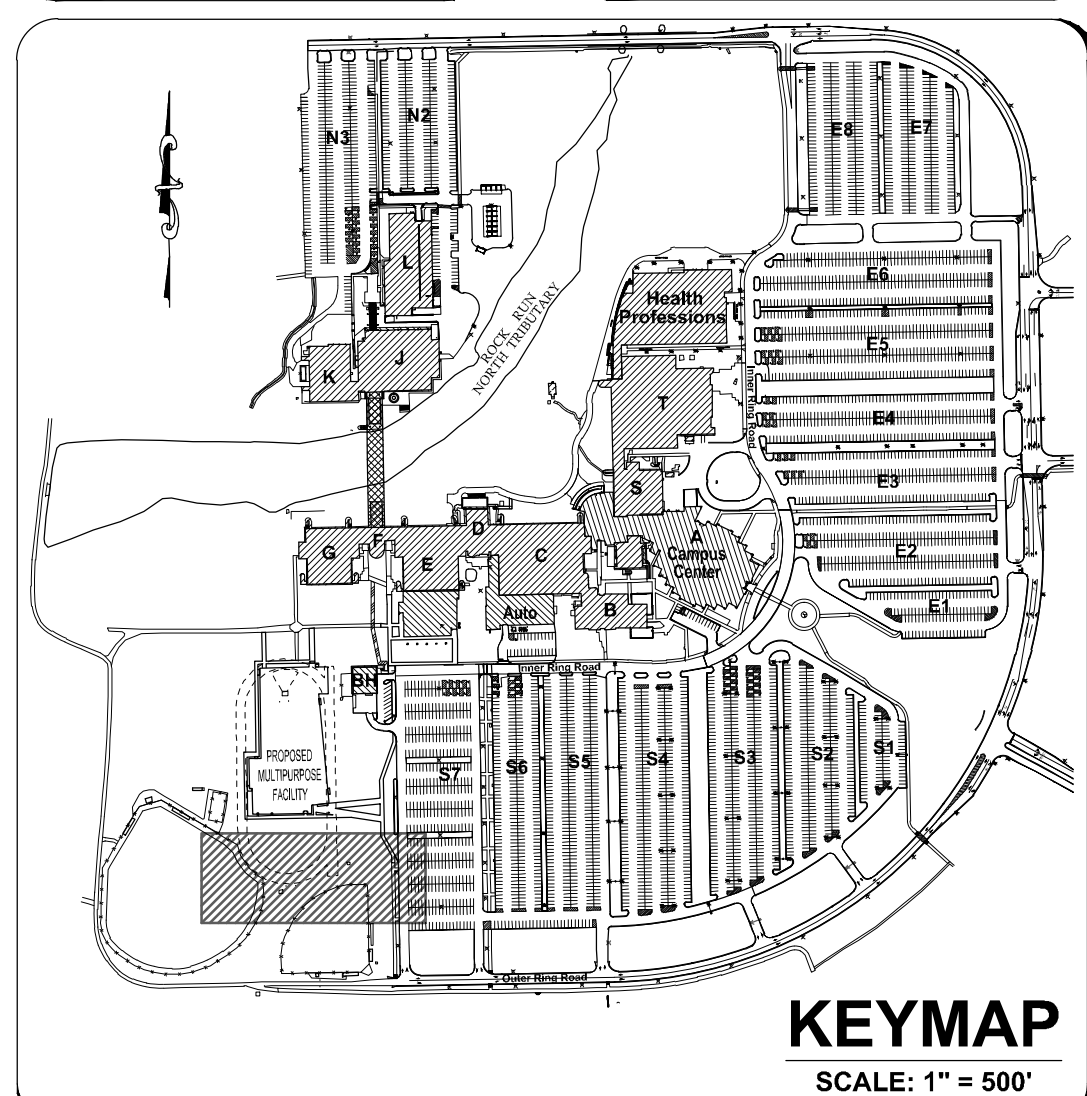
- CONTRACTOR TO VERIFY ALL QUANTITIES NOTED ON PLANS AND INCLUDE AS PART OF BID.
- SAWCUT ALL PAVEMENT, CURB AND SIDEWALK JOINTS.
- FIELD VERIFY LOCATION OF EXISTING UTILITIES. PROVIDE ADEQUATE PROTECTION OF UTILITIES TO REMAIN IN USE AND COORDINATE WORK IN THESE AREAS WITH THE CONSTRUCTION MANAGER AND JOLIET JUNIOR COLLEGE PERSONNEL. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE LOCAL REGULATIONS.

**Call Before You Dig**  
**JULIE**  
 800-485-4848  
 815-744-6600  
 CONTACT JULIE AT 811 OR 800-882-0123  
 48 Hours (2 Working Days) BEFORE YOU DIG.  
 Include the following:  
 County, City/Township, Section & J, Section No.

**SITE BENCHMARK 1:**  
 HEAD BOLT ON FIRE HYDRANT THAT ARROW POINTS TO, LOCATED APPROXIMATELY 740' SOUTH OF MAIN CAMPUS ENTRY ROAD ON/OFF HOUBOLT ROAD.  
 ELEVATION: 607.75 (NAVD 88)

**SITE BENCHMARK 2:**  
 CUT CROSS TOP OF CONCRETE PAD BY ELECTRIC PANELS LOCATED TO THE EAST OF THE BASEBALL FIELD PRESS BOX.  
 ELEVATION = 564.18 (NAVD 88)

FIELD VERIFY BENCHMARK WITH BENCHMARK LIST.



**RT & A** Ruettiger, Tonelli & Associates, Inc.  
 Surveyors • Engineers • Planners • Landscape Architects • G.I.S. Consultants  
 129 CAPSTA DRIVE • SHOREWOOD, ILLINOIS 60404  
 TEL: (815) 744-6600 FAX: (815) 744-0101  
 website: www.ruettiger-tonelli.com

LATEST R.T.A. REVISION: 6-1-2015  
 FIELD BOOK & PAGE: JJC

**R.T. & A. Dwg. No.: 401-0058-C1**

KEY PLAN:

SHEET STATUS: 06/01/15  
**BID PACKAGE 1  
 ISSUED FOR BID**

NO.	DESCRIPTION	DATE

SHEET TITLE:  
**DEMOLITION PLAN  
 (1 OF 2)**

SHEET NUMBER:

**C2.2**





ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEPFP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD. SUITE  
 400W NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DRIVE  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

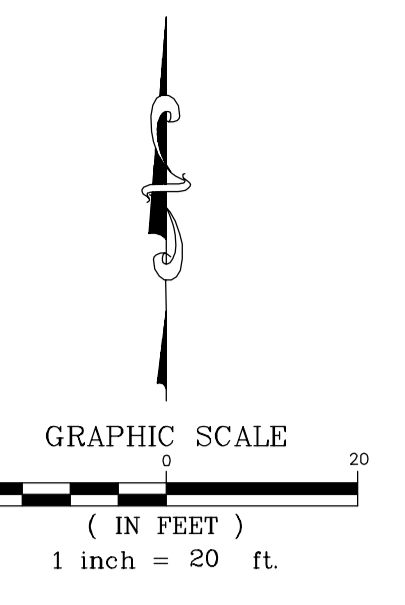
SHEET STATUS: 06/01/15  
**BID PACKAGE 1  
 ISSUED FOR BID**

NO.	DESCRIPTION	DATE
1	BP-1 ADDENDUM 1	6-23-2015
2	BP-1 ADDENDUM 2	6-24-2015

SHEET TITLE:  
**PROPOSED SITE  
 IMPROVEMENT PLAN  
 (1 OF 2)**

SHEET NUMBER:

**C3.1**



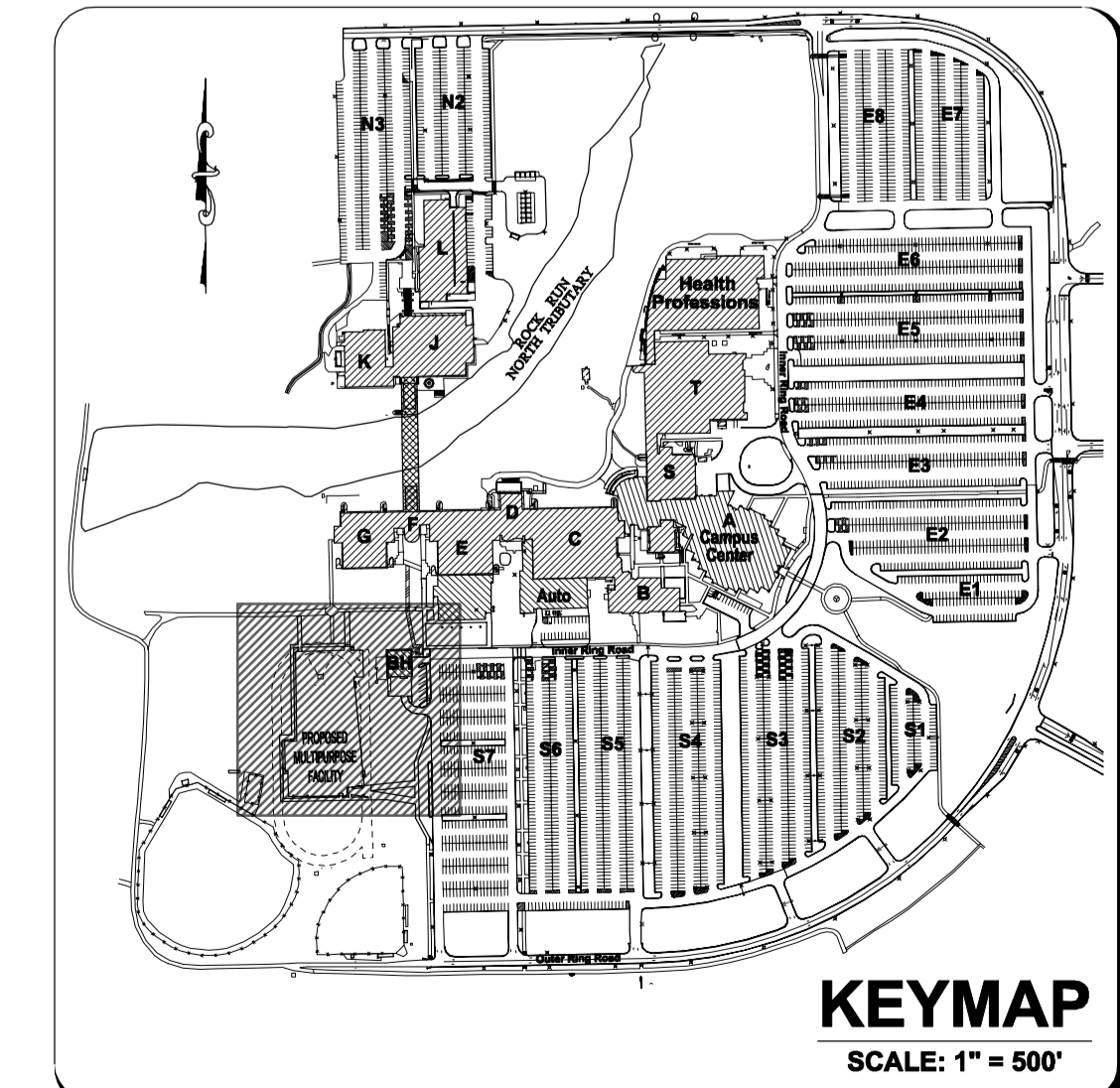
PROPOSED	LEGEND DESCRIPTION	EXISTING
XXXX	ELEVATION	XXXX
XXXX	T/C OR SIDEWALK ELEVATION	
XXXX	FLOW LINE OR PAVEMENT ELEVATION	
---	P.C.C. CURB	
---	STORM SEWER	
○	MANHOLE	○
○	INLET	○
○	CATCHBASIN	○
○	FLARED END SECTION	○
○	PARKING LOT LIGHT	○
○	EMERGENCY CALL BOX	○
○	ELECTRIC HANDHOLE	○
○	SON	○
---	SANITARY SEWER	---
---	WATERMAIN	---
---	PROPOSED RIPRAP	

**PROPOSED SITE GRADING NOTES:**

- UNLESS OTHERWISE NOTED, ALL PROPOSED GRADES ARE EITHER FINISHED PAVEMENT ELEVATIONS OR FINISHED LANDSCAPE ELEVATIONS.
- CONTRACTOR TO PREVENT EROSION ONTO EXISTING PAVEMENT.
- GRADE SLOPE SHALL NOT EXCEED 4 TO 1.
- CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANS FOR ADDITIONAL SITE ANALYSES.

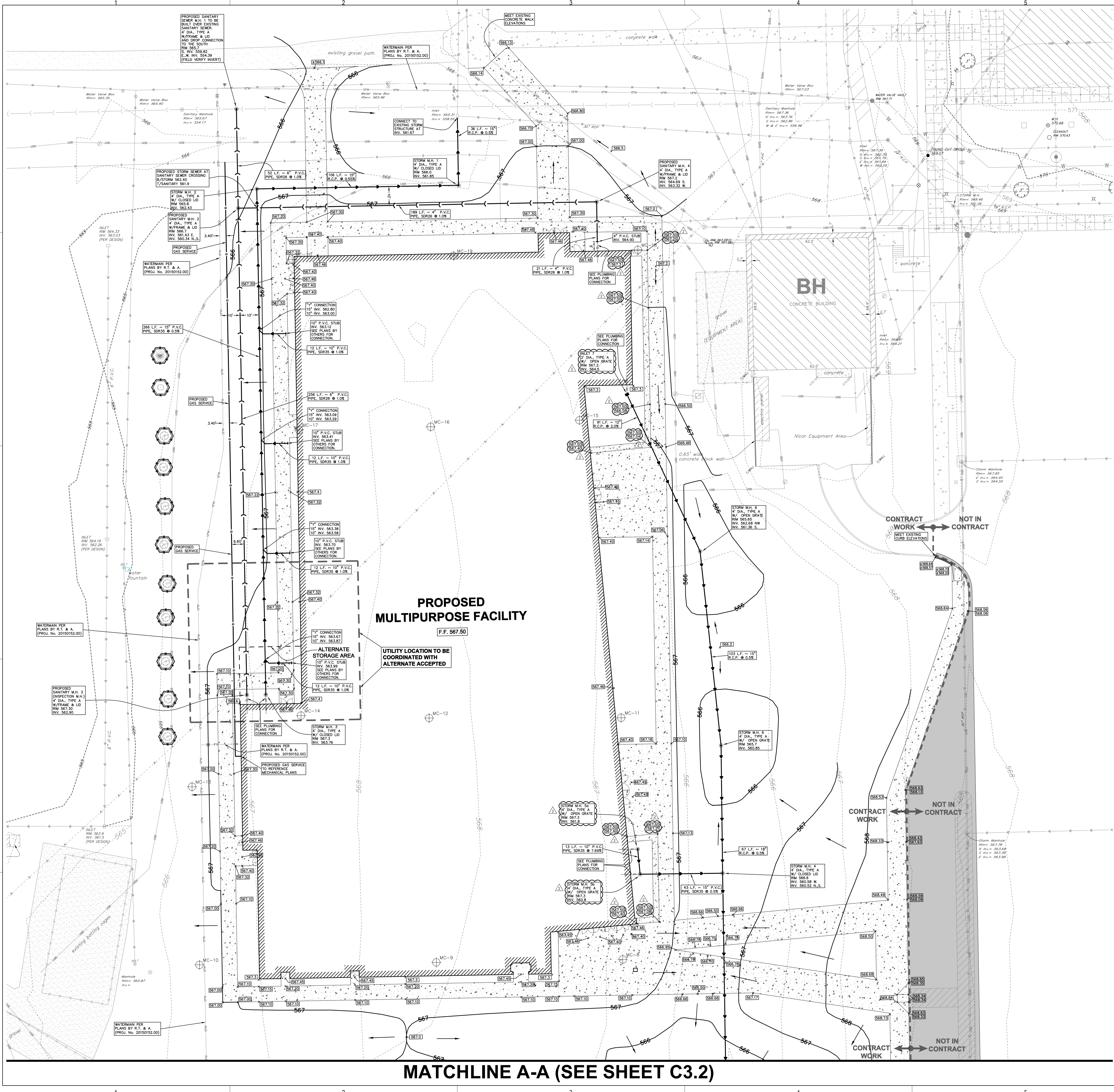
**SITE BENCHMARK 1:**  
 HEAD BOLT ON FIRE HYDRANT THAT ARROW POINTS TO, LOCATED APPROXIMATELY 740' SOUTH OF MAIN CAMPUS GOLF ROAD ON WEST SIDE ROAD.  
 ELEVATION: 607.75 (NAVD 88)

**SITE BENCHMARK 2:**  
 CUT CROSS TOP OF CONCRETE PAD BY ELECTRIC PANELS LOCATED TO THE EAST OF THE BASEBALL FIELD PRESS BOX.  
 ELEVATION: 564.18 (NAVD 88)  
 FIELD VERIFY BENCHMARK WITH BENCHMARK LIST.



**RT & A** Ruettiger, Tonelli & Associates, Inc.  
 Surveyors • Engineers • Planners • Landscape Architects • G.I.S. Consultants  
 129 CAPISTA DRIVE • SHOREWOOD, ILLINOIS 60404  
 PH: (815) 744-6600 FAX: (815) 744-0101  
 website: www.ruettiger-tonelli.com

LATEST RT & A REVISION: 6-24-2015 R.T. & A. Dwg. No.: 401-0058-C1  
 FIELD BOOK & PAGE: JJC



**MATCHLINE A-A (SEE SHEET C3.2)**



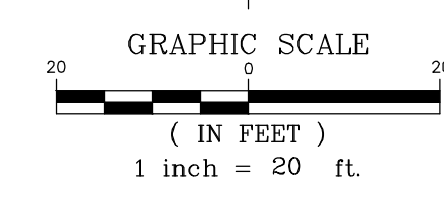


ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

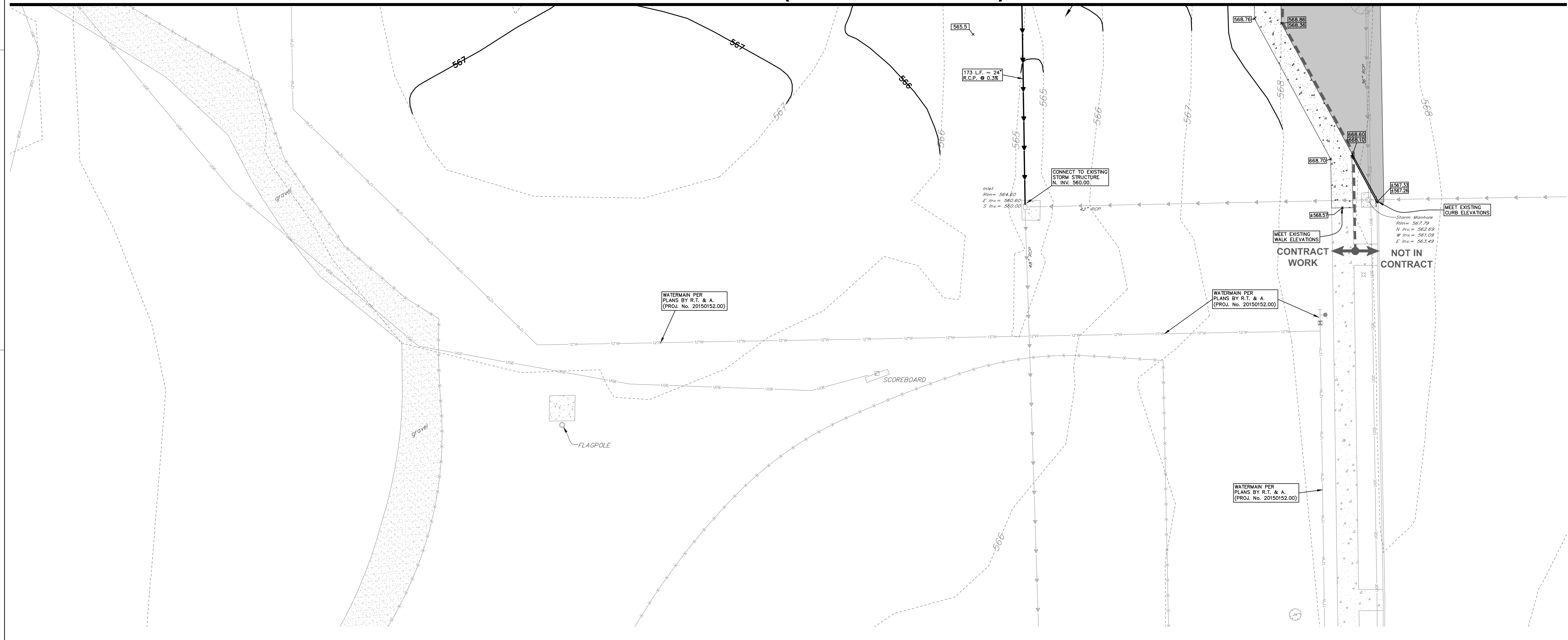
STRUCTURAL AND MEPFP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD. SUITE  
 400W NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPSTA DRIVE  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, IL 60431  
 DKA PROJECT NO: 14-004



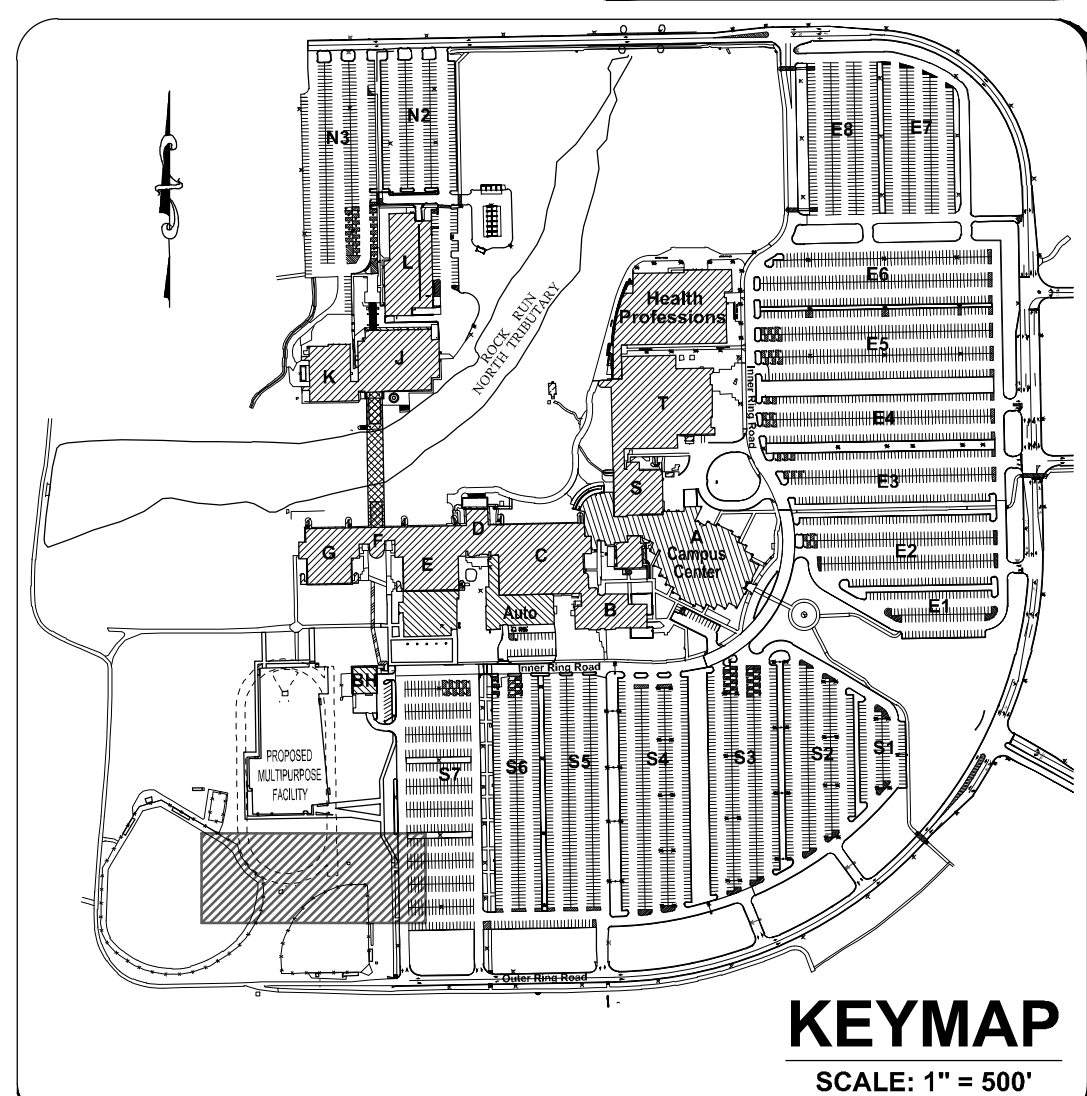
**MATCHLINE A-A (SEE SHEET C3.1)**



PROPOSED	DESCRIPTION	EXISTING
XXXX	ELEVATION	XXXX
XXXX	T/C OR SIDEWALK ELEVATION	
XXXX	FLOW LINE OR PAVEMENT ELEVATION	
---	P.C.C. CURB	
---	STORM SEWER	
⊙	MANHOLE	⊙
□	INLET	□
⊠	CATCHBASIN	⊠
---	FLARED END SECTION	
⊠	PARKING LOT LIGHT	⊠
⊠	EMERGENCY CALL BOX	⊠
⊠	ELECTRIC HANDHOLE	⊠
⊠	SIGN	⊠
---	SANITARY SEWER	
---	WATERMAIN	
---	PROPOSED RIPRAP	

- PROPOSED SITE GRADING NOTES:**
- UNLESS OTHERWISE NOTED, ALL PROPOSED GRADES ARE OTHER FINISHED PAVEMENT ELEVATIONS OR FINISHED LANDSCAPE ELEVATIONS.
  - CONTRACTOR TO PREVENT EROSION ONTO EXISTING PAVEMENT.
  - GRADE SLOPE SHALL NOT EXCEED 4 TO 1.
  - CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANS FOR ADDITIONAL SITE AMENITIES.

- SITE BENCHMARK 1:**  
 HEAD BOLT ON FIRE HYDRANT THAT ARROW POINTS TO, LOCATED APPROXIMATELY 740' SOUTH OF MAIN CAMPUS ENTRY ROAD ONTO HOUBOLT ROAD.  
 ELEVATION: 607.75 (NAVD 88)
- SITE BENCHMARK 2:**  
 OUT CROSS TOP OF CONCRETE PAD BY ELECTRIC PANELS LOCATED TO THE EAST OF THE BASEBALL FIELD PRESS BOX.  
 ELEVATION = 584.18 (NAVD 88)
- FIELD VERIFY BENCHMARK WITH BENCHMARK LIST.



KEY PLAN:

SHEET STATUS: 06/01/15

**BID PACKAGE 1  
 ISSUED FOR BID**

NO.	DESCRIPTION	DATE

SHEET TITLE:  
**PROPOSED SITE  
 IMPROVEMENT PLAN  
 (2 OF 2)**

SHEET NUMBER:  
**C3.2**

**RT & A** Ruettiger, Tonelli & Associates, Inc.  
 Surveyors • Engineers • Planners • Landscape Architects • G.I.S. Consultants  
 129 CAPSTA DRIVE • SHOREWOOD, ILLINOIS 60404  
 TEL: (815) 744-6600 FAX: (815) 744-0100  
 website: www.ruettiger-tonelli.com

LATEST R.T.A. REVISION: 6-1-2015  
 FIELD BOOK & PAGE: JJC

**R.T. & A. Dwg. No.: 401-0058-C1**

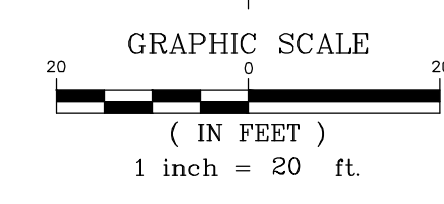


ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD. SUITE  
 400W NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DRIVE  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, IL 60431  
 DKA PROJECT NO: 14-004

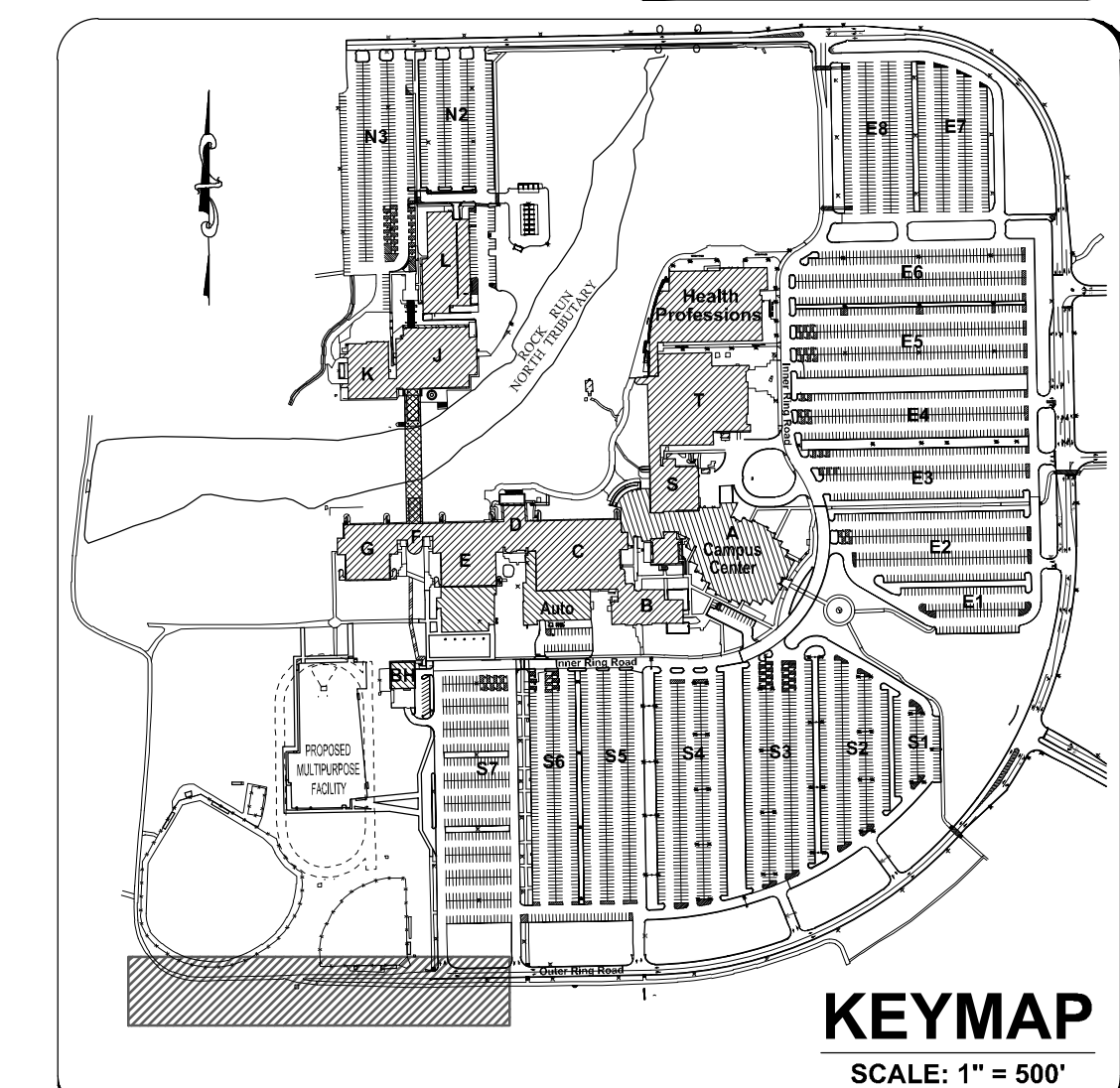


PROPOSED	DESCRIPTION	EXISTING
---	PROPOSED ELEVATIONS PER PREVIOUS IMPROVEMENT PLANS BY R.T. & A.	---
---	ELEVATION	---
---	CONTOUR	---
---	PROPOSED CONTOUR PER PREVIOUS IMPROVEMENT PLANS BY R.T. & A.	---
---	1/2" OR SIDEWALK ELEVATION FLOW LINE, OR PAVEMENT ELEVATION	---
---	P.C.C. CURB	---
---	STORM SEWER	---
---	MANHOLE	---
---	INLET	---
---	CATCHBASIN	---
---	FLARED END SECTION	---
---	PARKING LIGHT	---
---	EMERGENCY CALL BOX	---
---	ELECTRIC HANDHOLE	---
---	SIGN	---
---	EXISTING TREE WITH PROPOSED PROTECTION	---
---	PROPOSED EROSION CONTROL, SILT FENCE (SEE DETAIL SHEET CS-02)	---
---	PROPOSED EROSION CONTROL, STRAW BALS (SEE DETAIL SHEET CS-02)	---
---	PROPOSED RIPRAP	---

Call Before You Dig  
**JULIE**  
 ILLINOIS ONE-CALL SYSTEM  
 CONTACT J.U.L.I.E. at 811 or 800-892-0123  
 48 Hours (2 Working Days) BEFORE YOU DIG.  
 Include the following:  
 County, City/Township, Section & 1/4 Section No.

**SITE BENCHMARK 1:**  
 HEAD BOLT ON FIRE HYDRANT THAT ARROW POINTS TO, LOCATED APPROXIMATELY 740' SOUTH OF MAIN CAMPUS EAST ROAD ON/OFF HOUBOLT ROAD.  
 ELEVATION: 607.75 (NAVD 88)

**SITE BENCHMARK 2:**  
 CUT CROSS TOP OF CONCRETE PAD BY ELECTRIC PANELS LOCATED TO THE EAST OF THE BASEBALL FIELD PRESS BOX.  
 ELEVATION = 564.18 (NAVD 88)  
 FIELD VERIFY BENCHMARK WITH BENCHMARK LIST.



**RT & A** Ruettiger, Tonelli & Associates, Inc.  
 Surveyors • Engineers • Planners • Landscape Architects • G.I.S. Consultants  
 129 CAPISTA DRIVE • SHOREWOOD, ILLINOIS 60404  
 TEL: (815) 744-6600 FAX: (815) 744-0101  
 website: www.ruettiger-tonelli.com

LATEST R.T.A. REVISION: 6-1-2015  
 FIELD BOOK & PAGE: JJC

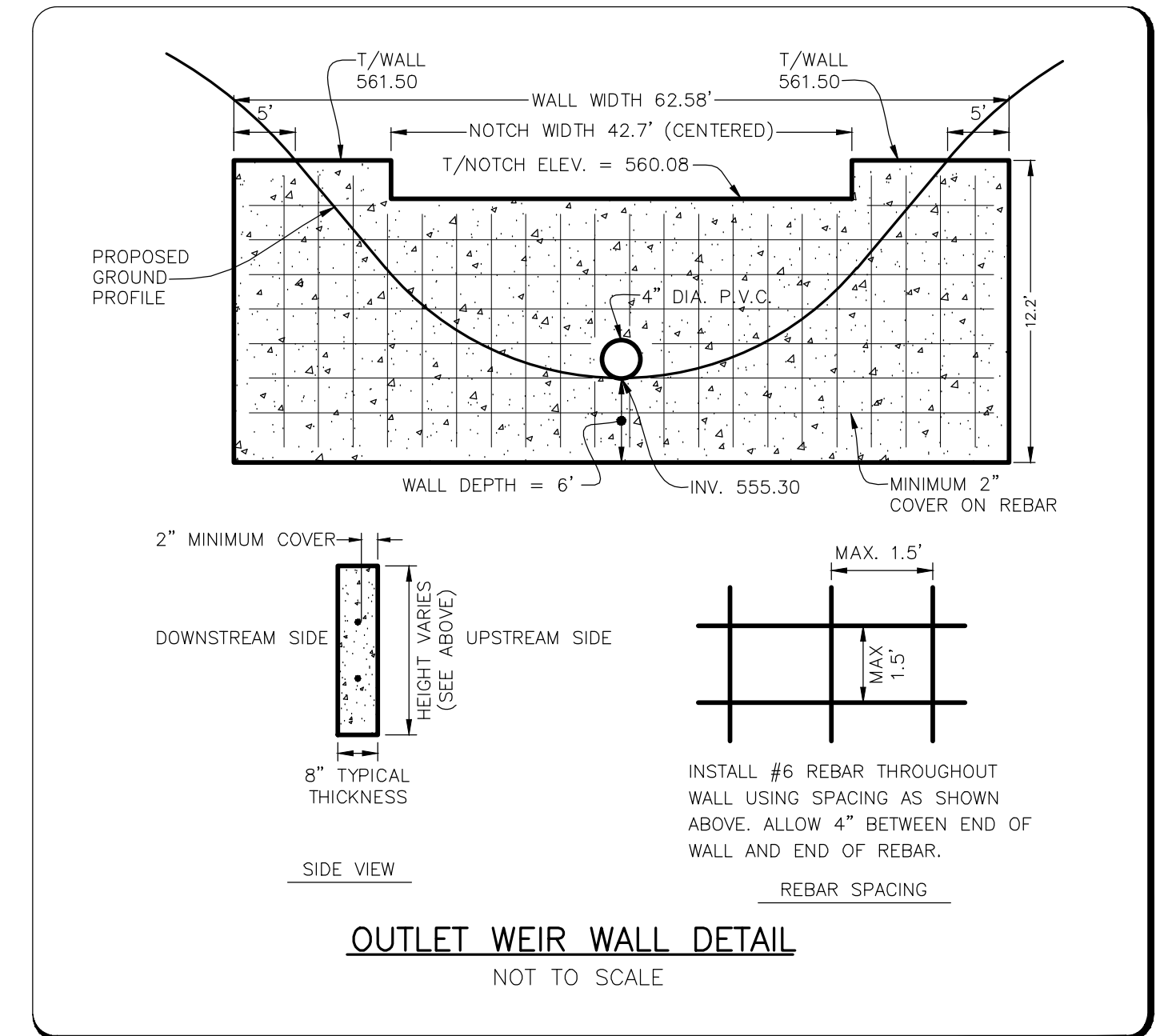
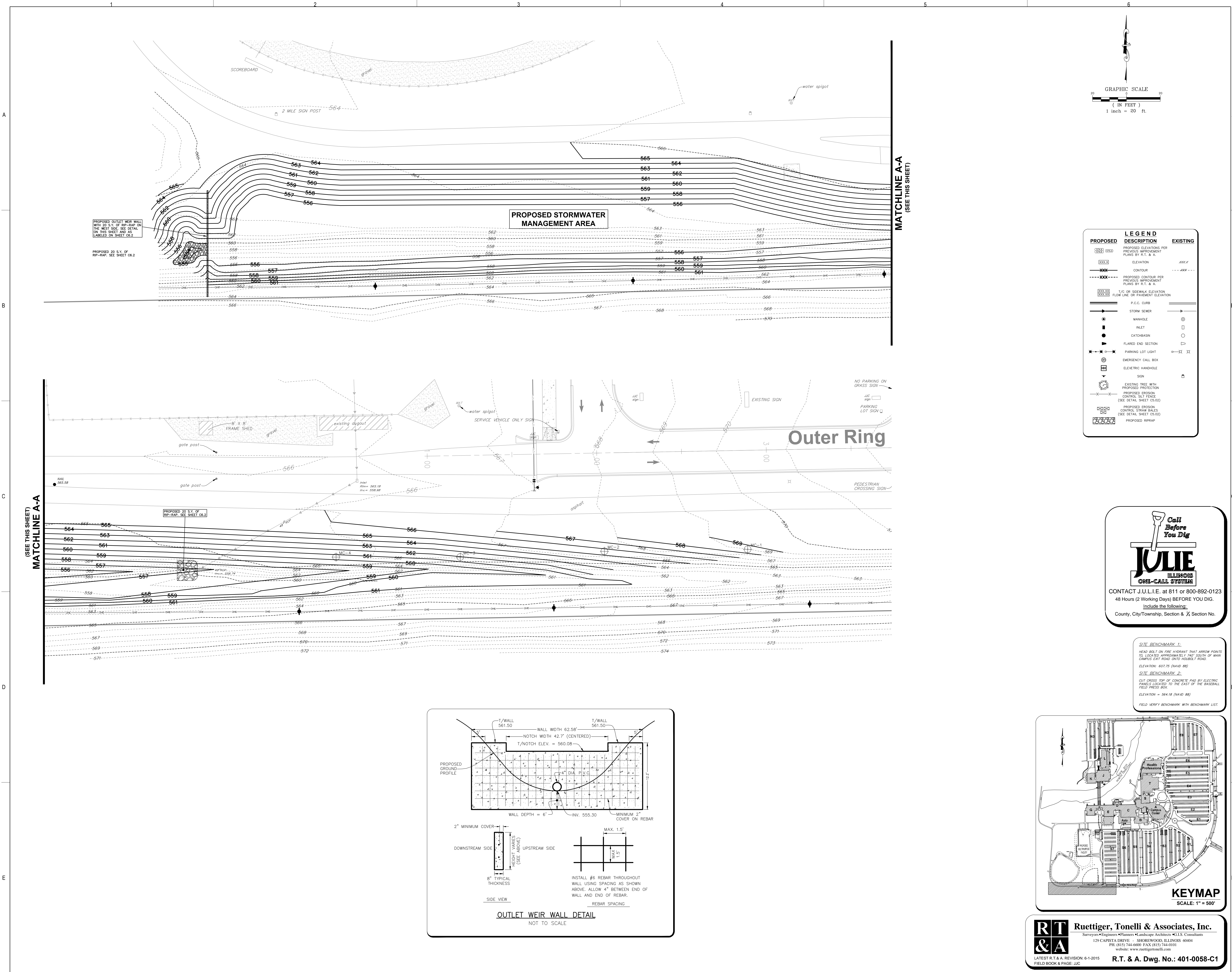
**R.T. & A. Dwg. No.: 401-0058-C1**

KEY PLAN:

NO.	DESCRIPTION	DATE

SHEET TITLE:  
**PROPOSED STORMWATER MANAGEMENT AREA**

SHEET NUMBER:  
**C4.1**



W:\2015\0606\Engineering\Proposed\Site - C4.1\Multipurpose\DWG\C4.1 - Proposed Stormwater Management Area.dwg, Layout: 05/20/15 10:48:00 AM, \$project



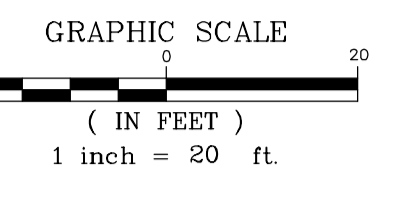


ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD. SUITE  
 400W NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DRIVE  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, IL 60431  
 DKA PROJECT NO: 14-004



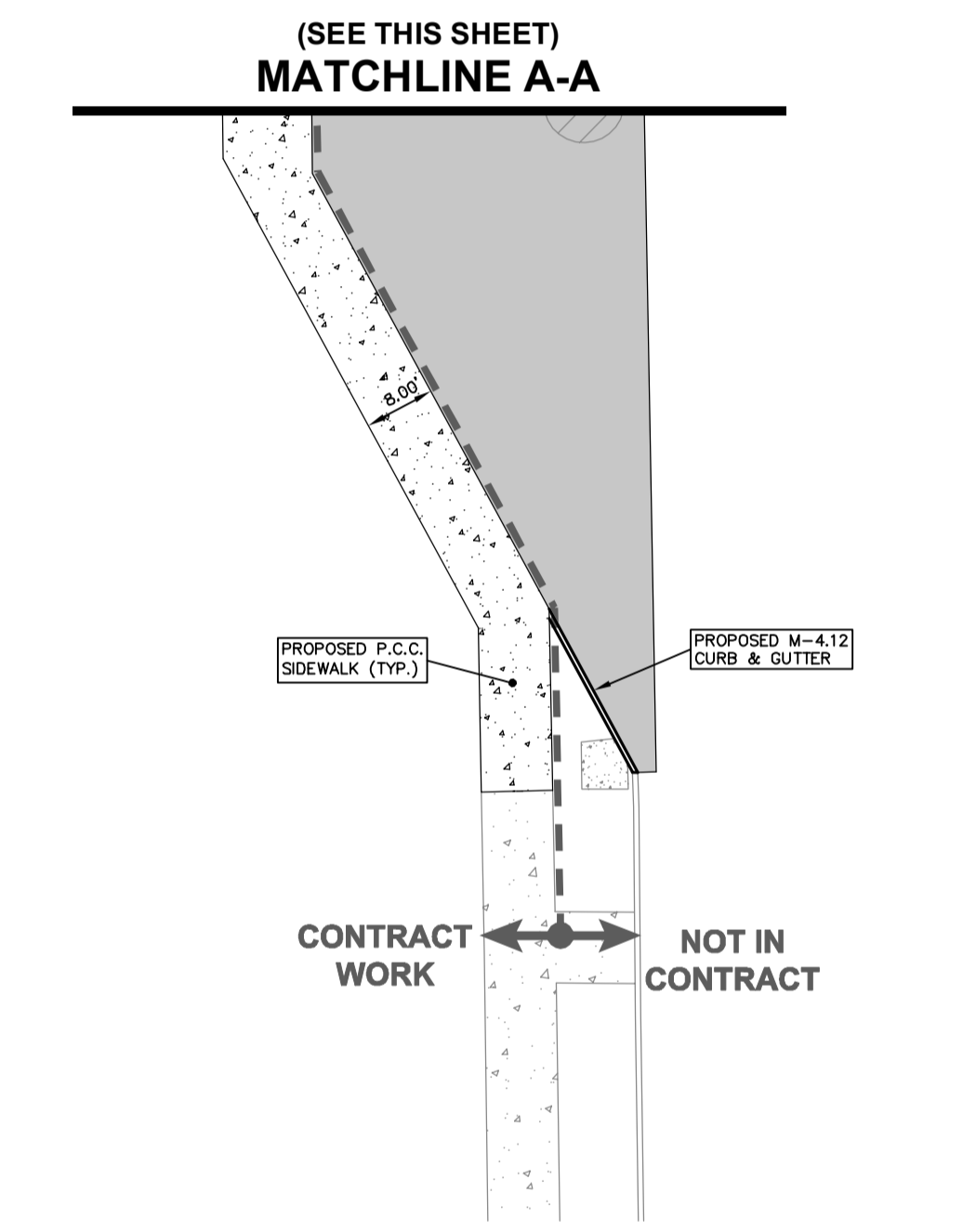
**LEGEND**

—	EXISTING CURB
—	PROPOSED CURB
▨	EXISTING PAVEMENT AREA
▨	PROPOSED STANDARD DUTY PAVEMENT AREA
⊙	ARC DISTANCE
XXX' B/C	BACK OF CURB DISTANCE
XXX' F-F	FACE TO FACE OF CURB DISTANCE
XXX' F-W	FACE OF MARK DISTANCE
XXX' B-B	BACK TO BACK OF CURB DISTANCE
XXX' E-E	EDGE TO EDGE OF PAVEMENT DISTANCE
XXX' E/P	TO EDGE OF PAVEMENT DISTANCE
+	PROPOSED SIGN
⊗	PROPOSED LIGHT BASE

- GEOMETRIC PLAN NOTES**
- 1.) ALL PARKING STALL, SAFETY ISLAND, NO PARKING AREAS AND CROSSWALK STRIPING SHALL BE 4 INCH WIDE STANDARD I.D.O.T. YELLOW, DIAGONAL STRIPING SHALL BE 2 FT. ON CENTER.
  - 2.) ALL SIGNS SHALL MEET THE REQUIREMENTS AND STANDARDS OF THE U.S. DEPT. OF TRANSPORTATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, THE ILLINOIS ADMINISTRATIVE CODE, LATEST ADDITION, AND ALL LOCAL ORDINANCES.
  - 3.) UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE SHOWN TO THE BACK OF THE CURBLINE OR FACE OF THICKENED WALK WHERE APPLICABLE.
  - 4.) ALL RADII ARE TO BACK OF CURB.
  - 5.) UNLESS OTHERWISE SPECIFIED, ALL PROPOSED CURBS SHALL BE 8-1/2 CONCRETE CURB AND GUTTER.
  - 6.) P.C.C. SIDEWALK LOCATIONS SHOWN HEREON ARE FOR LOCATION REFERENCE ONLY. REFER TO THE SITE PAVING GEOMETRY PLAN (AS1.00) BY OTHERS FOR JOINT PATTERNS, COLOR SCHEMES AND STRUCTURAL STOOP REFERENCES.

SEE ARCHITECTURAL PLANS FOR FINAL BUILDING DIMENSIONS AND THAT THEY CONFORM TO THIS PLAN PRIOR TO ANY CONSTRUCTION.

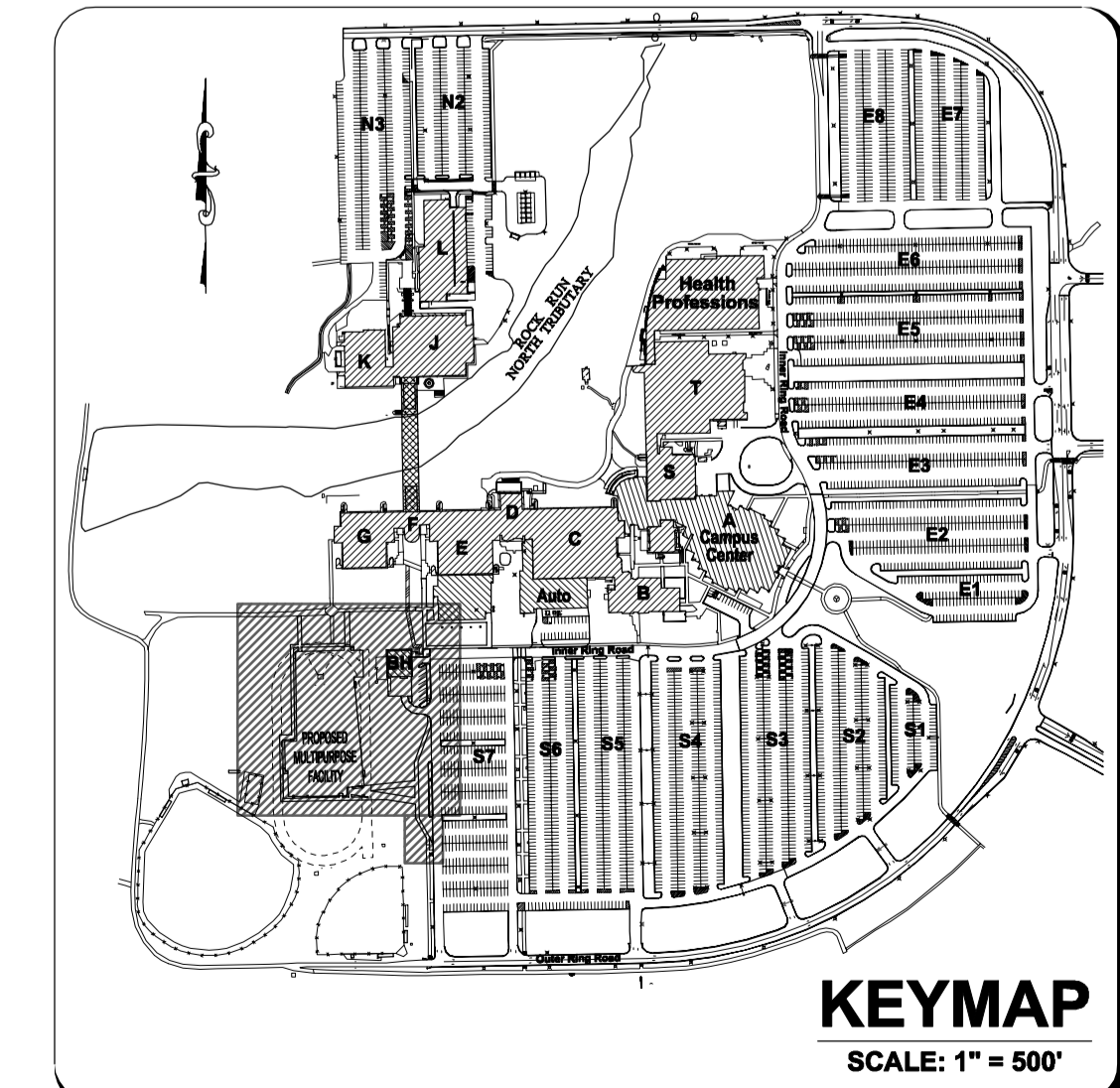
**PROPOSED MULTIPURPOSE FACILITY**



**SITE BENCHMARK 1:**  
 HEAD BOLT ON FIRE HYDRANT THAT ARROW POINTS TO, LOCATED APPROXIMATELY 740' SOUTH OF MAIN CAMPUS GOLF ROAD ON WOODS T. ROAD.  
 ELEVATION = 607.75 (NAVD 88)

**SITE BENCHMARK 2:**  
 CUT CROSS TOP OF CONCRETE PAD BY ELECTRIC PANELS LOCATED TO THE EAST OF THE BASEBALL FIELD PRESS BOX.  
 ELEVATION = 564.18 (NAVD 88)

FIELD VERIFY BENCHMARK WITH BENCHMARK LIST.



**RT & A** Ruettiger, Tonelli & Associates, Inc.  
 Surveyors • Engineers • Planners • Landscape Architects • G.I.S. Consultants  
 129 CAPISTA DRIVE • SHOREWOOD, ILLINOIS 60404  
 PH: 815.744.6600 FAX: 815.744.6101  
 website: www.ruettiger-tonelli.com

LATEST R.T. & A. REVISION: 6-24-2015  
 FIELD BOOK & PAGE: JJC

**R.T. & A. Dwg. No.: 401-0058-C1**

KEY PLAN:

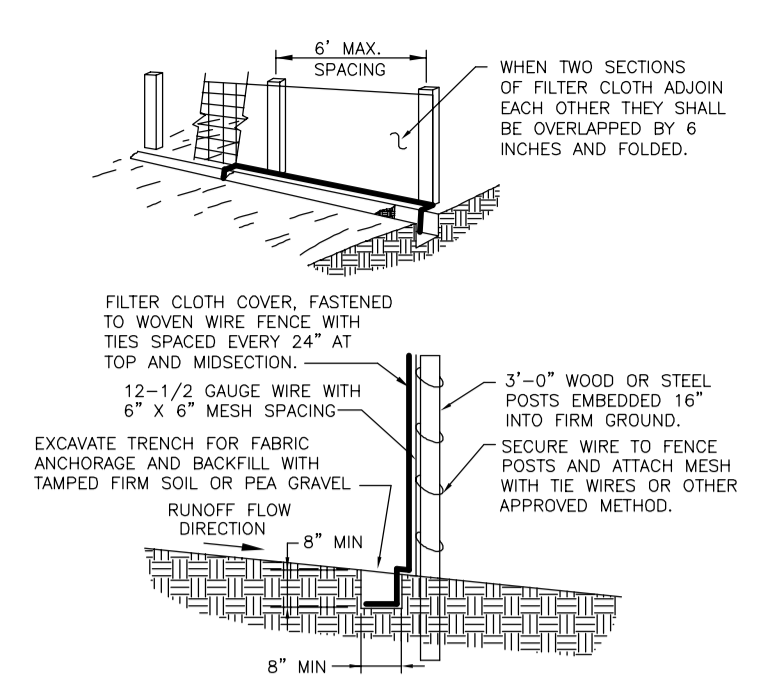
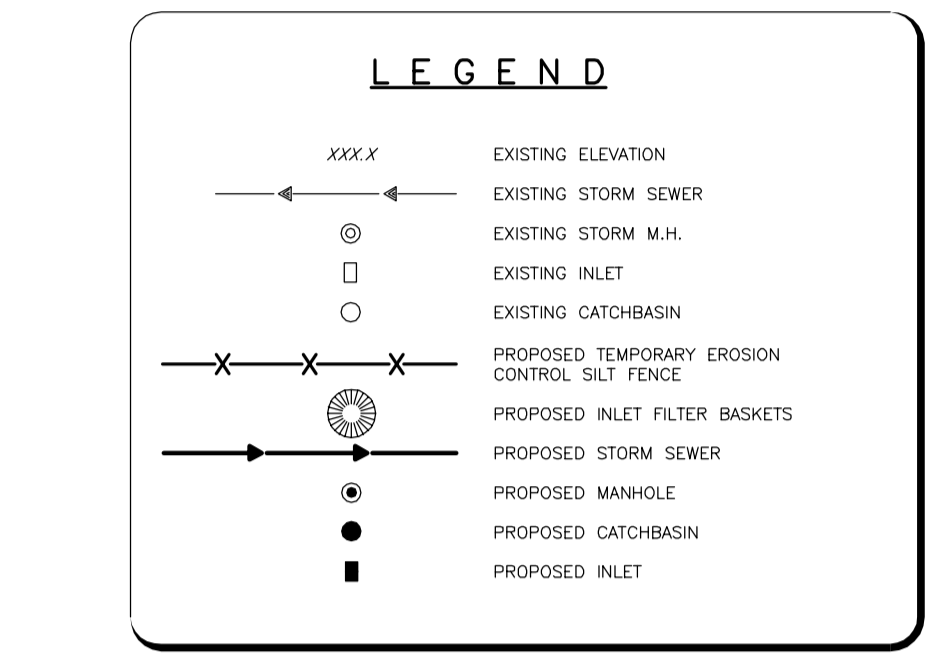
SHEET STATUS: 06/01/15  
**BID PACKAGE 1  
 ISSUED FOR BID**

NO.	DESCRIPTION	DATE
1	BP-1 ADDENDUM 1	6-23-2015
2	BP-1 ADDENDUM 2	6-24-2015

SHEET TITLE:  
**PROPOSED GEOMETRY PLAN**

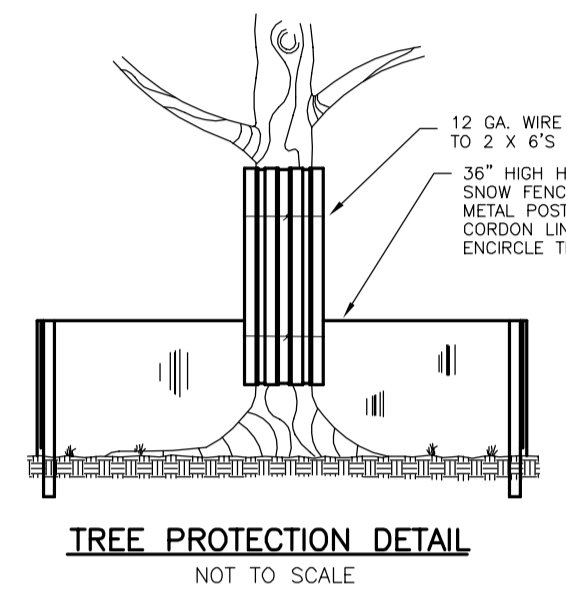
SHEET NUMBER:  
**C5.1**



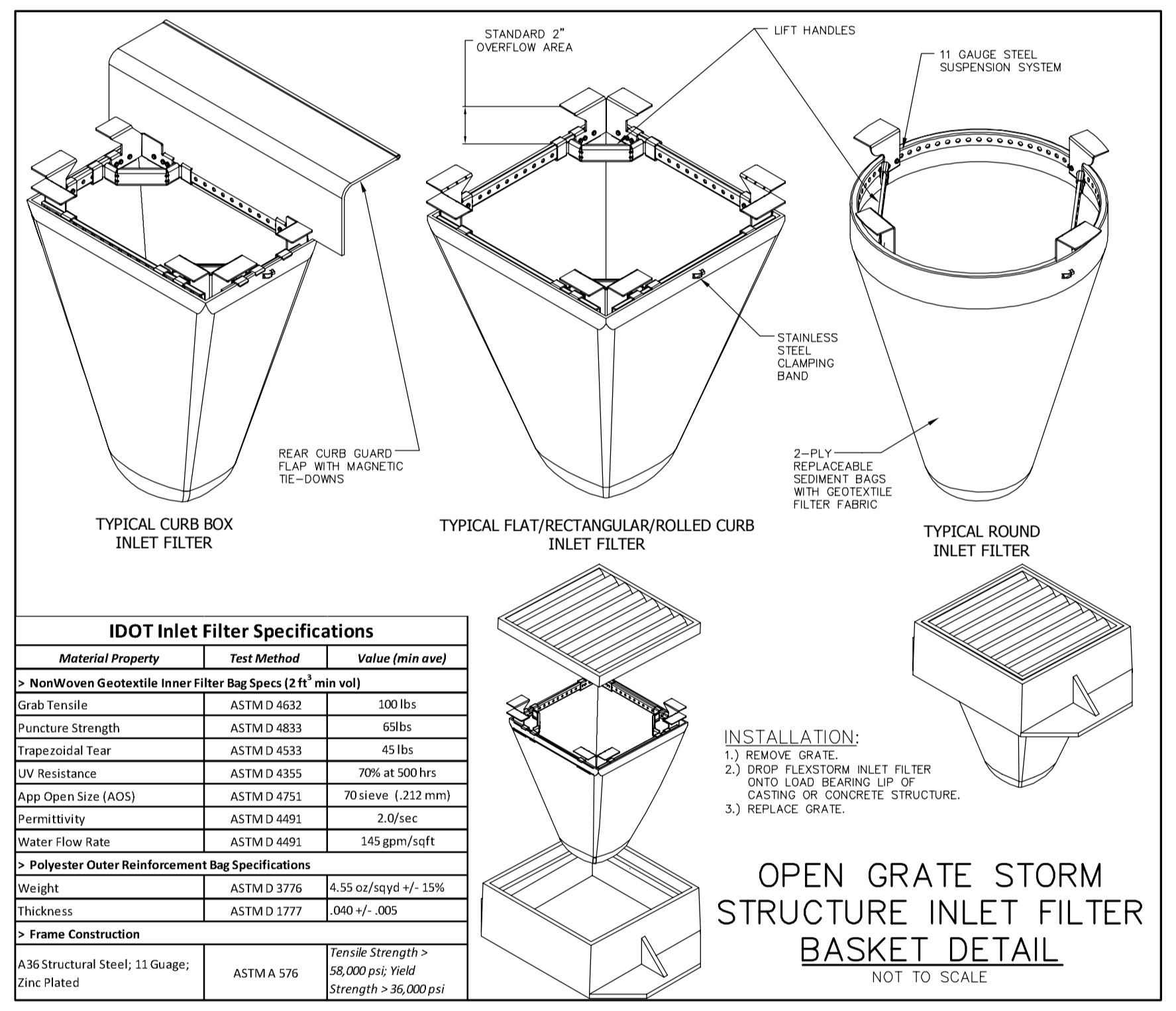


- NOTES FOR SILT FENCE**
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL SHALL BE REMOVED WHEN RIDGES DEVELOP IN THE SILT FENCE.
  - FILTER CLOTH SHALL BE FILTER X, MIRA1 100X, STABILINKA 1140X, OR EQUAL.
  - PREFABRICATED UNIT SHALL BE GEOTAB, ENVROFENCE, OR EQUAL.

**SILT FENCE INSTALLATION**  
NOT TO SCALE



**TREE PROTECTION DETAIL**  
NOT TO SCALE



**IDOT Inlet Filter Specifications**

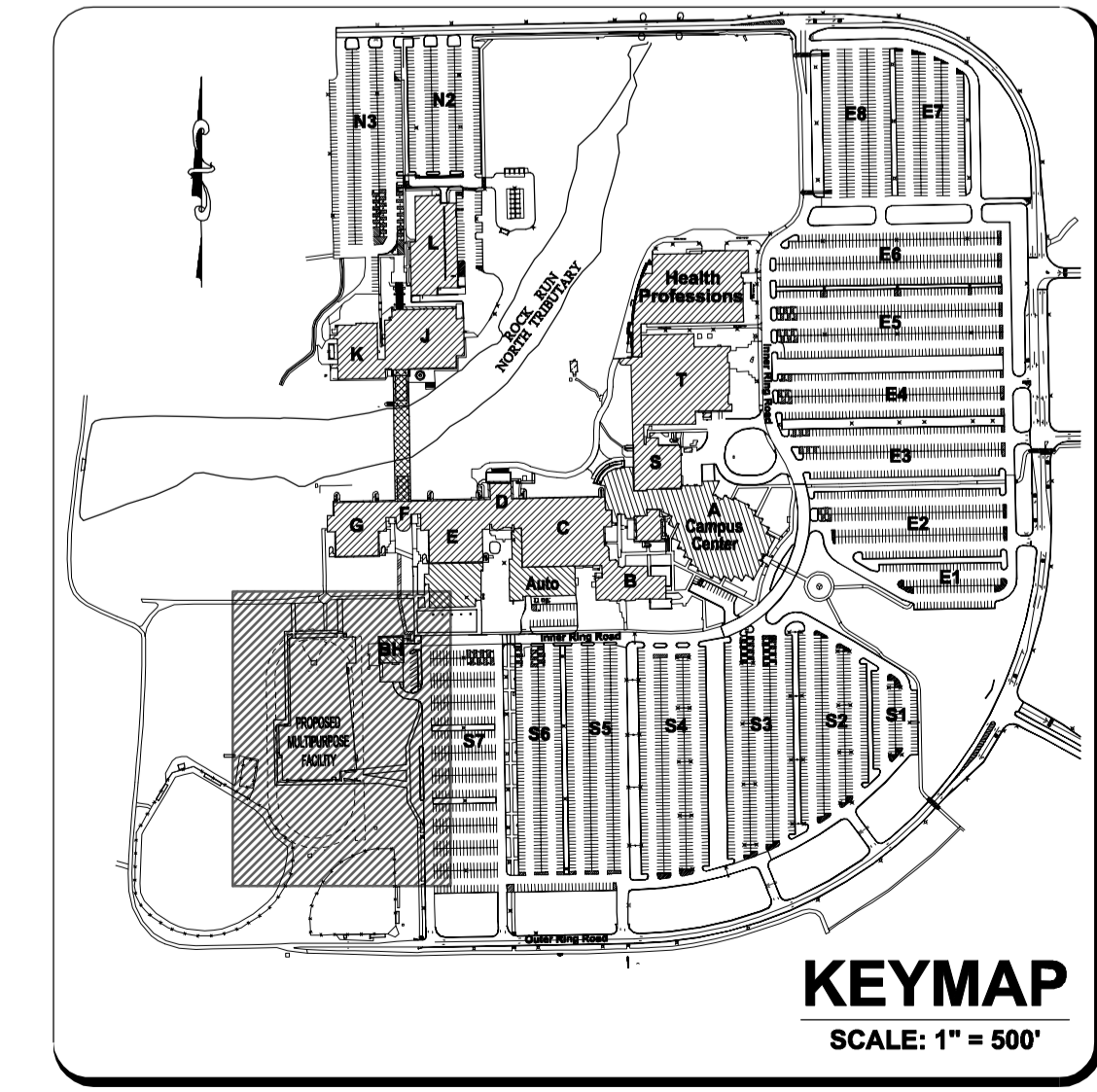
Material Property	Test Method	Value (min/ave)
<b>Non-Woven Geotextile Inner Filter Bag Specs (2' x 2' min vol)</b>		
Grab Tensile	ASTM D 4632	500 lbs
Puncture Strength	ASTM D 4833	400 lbs
Trip Resistance	ASTM D 4833	45 lbs
UV Resistance	ASTM D 4335	70% @ 500 hrs
App Open Size (AOS)	ASTM D 4751	70 sieve (212 mic)
Permittivity	ASTM D 4492	2.0/sec
Water Flow Rate	ASTM D 4492	145 gpm/ft <sup>2</sup>
<b>Polyester Outer Reinforcement Bag Specifications</b>		
Weight	ASTM D 3776	4.55 oz/ft <sup>2</sup> +/- 13%
Thickness	ASTM D 1777	0.90 +/- .003
<b>Frame Construction</b>		
A36 Structural Steel: 11 Gauges	ASTM A 376	Tensile Strength = 58,000 psi Yield Strength = 36,000 psi
Enc Plated		

- INSTALLATION:**
- REMOVE GRATE.
  - UNDO ELEVATOR INLET FILTER (ONTO LOAD BEARING UP OR CASTING OR CONCRETE STRUCTURE).
  - REPLACE GRATE.

**SITE BENCHMARK 1:**  
 HEAD BOLT ON FIRE HYDRANT THAT ARROW POINTS TO. LOCATED APPROXIMATELY 740' SOUTH OF MAIN CAMPUS GOLF ROAD ON/TO HOUBOLT ROAD.  
 ELEVATION: 607.75 (NAVD 88)

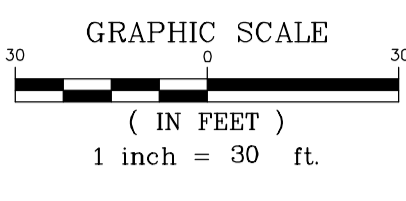
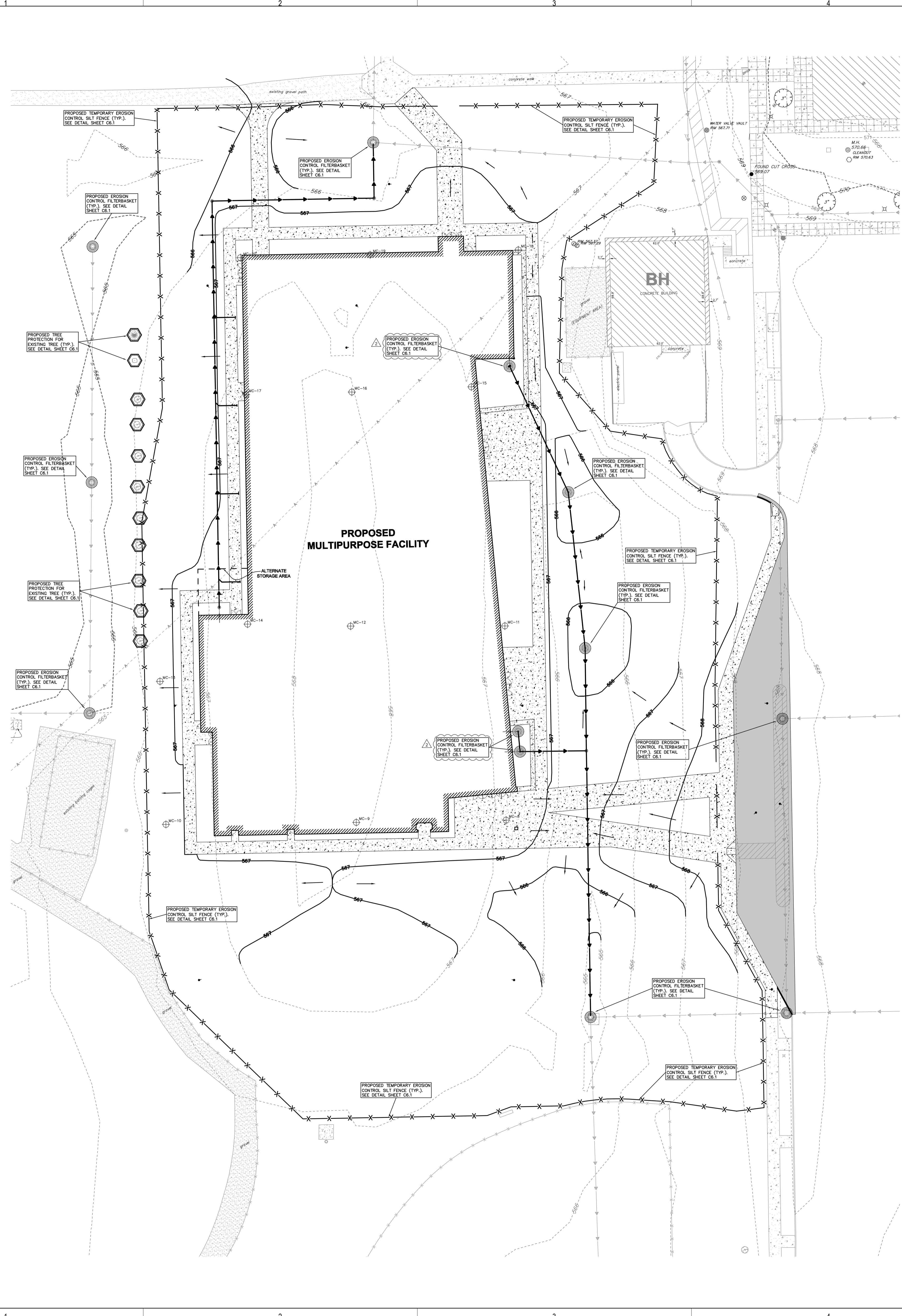
**SITE BENCHMARK 2:**  
 CUT CROSS TOP OF CONCRETE PAD BY ELECTRIC PANELS LOCATED TO THE EAST OF THE BASEBALL FIELD PRESS BOX.  
 ELEVATION = 564.18 (NAVD 88)  
 FIELD VERIFY BENCHMARK WITH BENCHMARK LIST.

- EROSION CONTROL NOTES**
- EROSION CONTROL TO BE APPLIED PER THE ILLINOIS PROCEDURES FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL MANUAL, LATEST EDITION.
  - THE TEMPORARY EROSION CONTROL SYSTEMS INSTALLED BY THE CONTRACTOR SHALL BE PROPERLY MAINTAINED AS DIRECTED BY THE CITY TO CONTROL SILTATION AT ALL TIMES DURING THE LIFE OF THE CONTRACT.
  - ALL STORM SEWER STRUCTURES WITH OPEN GRATES SHALL BE PROTECTED WITH INLET FILTER BASKETS.
  - DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN (7) SEVEN CALENDAR DAYS FOLLOWING THE END OF ACTIVE DISTURBANCE. RE-DISTURBANCE CONSISTENT WITH THE FOLLOWING CRITERIA: APPROPRIATE TEMPORARY OR PERMANENT STABILIZATION MEASURES SHALL INCLUDE SEEDING, MULCHING, SOGDING AND / OR NON-VEGETATIVE MEASURES.
  - ALL EROSION CONTROL ITEMS REMAIN IN PLACE AND BE MAINTAINED UNTIL DEEMED UNNECESSARY BY THE OWNER / DEVELOPER AND THE CITY AT WHICH TIME THE EROSION CONTROL ITEMS SHALL BE COMPLETELY REMOVED FROM THE SITE BY THE INSTALLER.
  - ALL DISTURBED AREAS NOT SPECIFICALLY IDENTIFIED FOR LANDSCAPING IMPROVEMENTS OR IMPROVED SURFACE TREATMENTS SUCH AS PARKWAYS, DRIVES, PATIOS, STOPS, SIDEWALKS OR WALKWAYS SHALL BE FINISHED WITH A MINIMUM OF 4" OF TOPSOIL AND RESTORED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (LATEST ADDITION) AS FOLLOWS:
    - CLASS 2 SEED PER SECTION 205.
    - FERTILIZER INHERENTS IN THE RATIO OF 1:1:1 OF NITROGEN, PHOSPHORUS AND POTASSIUM EACH, ALL AT THE RATE OF 90 LBS/Acre IN ACCORDANCE WITH SECTION 205.
    - EROSION CONTROL BASKET EXCESSIVE GREEN BASKET (E.G.B.) SEC. 205 (a)
    - CONTRACTOR SHALL MAINTAIN RESTORED AREA AS NEEDED UNTIL COMPLETION IS COMPLETED AND THE OWNER, OR LOCAL AGENCY HAVING JURISDICTION, HAS ACCEPTED THE WORK.
  - FOR EACH PHASE OF WORK, THE CONTRACTOR RESPONSIBLE FOR THAT WORK IS TO PROVIDE QUALIFIED PERSONNEL WHO SHALL INSPECT:
    - DISTURBED AREAS OF THE CONSTRUCTION SITE WHICH HAVE NOT BEEN STABILIZED WITH APPROPRIATE MATERIALS OR VEGETATIVE GROUND COVER.
    - STRUCTURAL CONTROL MEASURES (I.E. SILT FENCE, FILTER BASKETS, GRATE FABRIC, ETC.).
    - OFF SITE ROADS AND ON SITE PAVEMENTS WHICH THE CONTRACTOR'S VEHICLES AND OR EQUIPMENT OPERATE.
- SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT THAT HAS 0.5 INCHES OR MORE OF PRECIPITATION.
- ALL INSPECTIONS SHALL BE IN CONFORMANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN INSPECTION REQUIREMENTS.



**RT & A** Ruettiger, Tonelli & Associates, Inc.  
 Surveyors • Engineers • Planners • Landscape Architects • G.I.S. Consultants  
 129 CAPISTA DRIVE • SHOREWOOD, ILLINOIS 60404  
 PH: (815) 744-6600 FAX: (815) 744-6101  
 website: www.ruettigertonnelli.com

LATEST RT & A REVISION: 6-24-2015 R.T. & A. Dwg. No.: 401-0058-C1  
 FIELD BOOK & PAGE: JJC



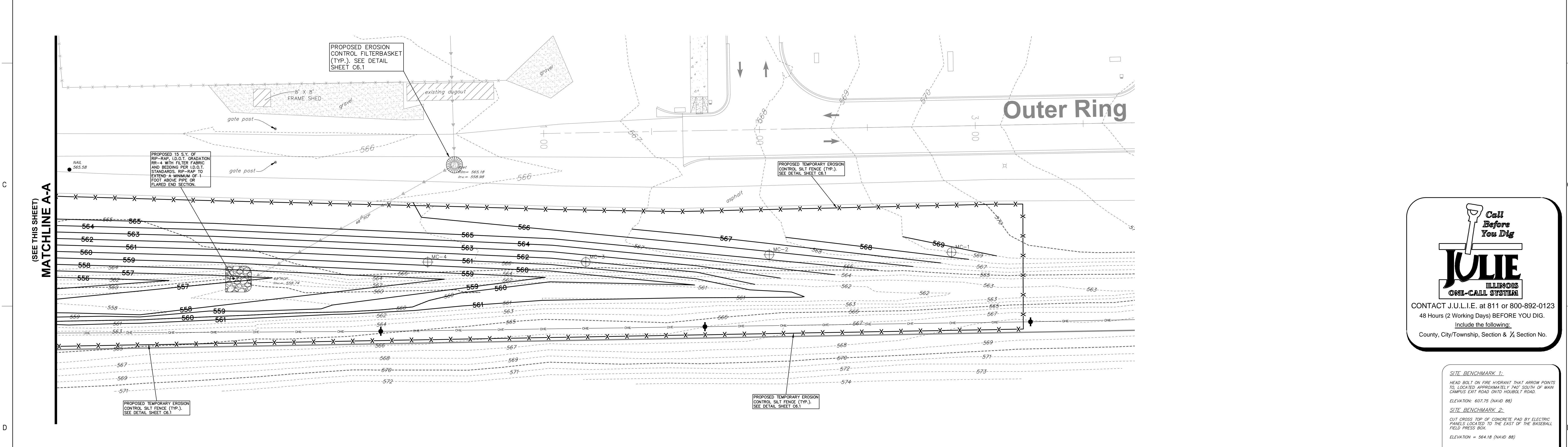
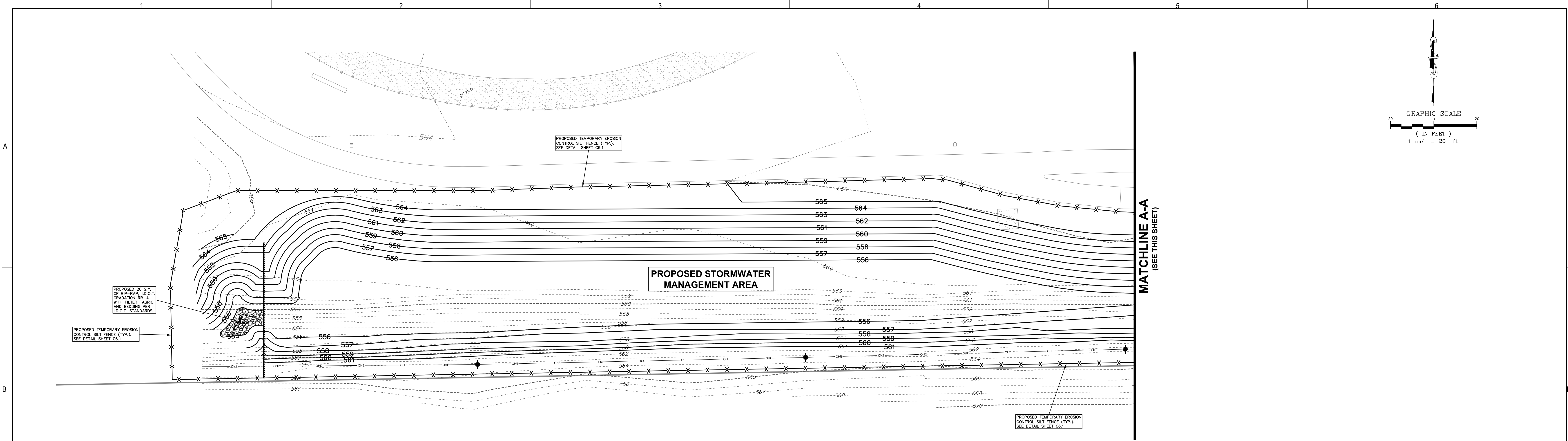
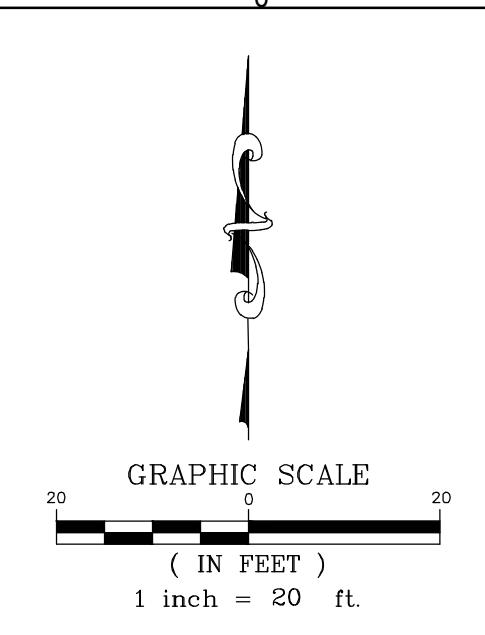




ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD. SUITE  
 400W NAPERVILLE, IL 60563  
 P: 630.527.2320

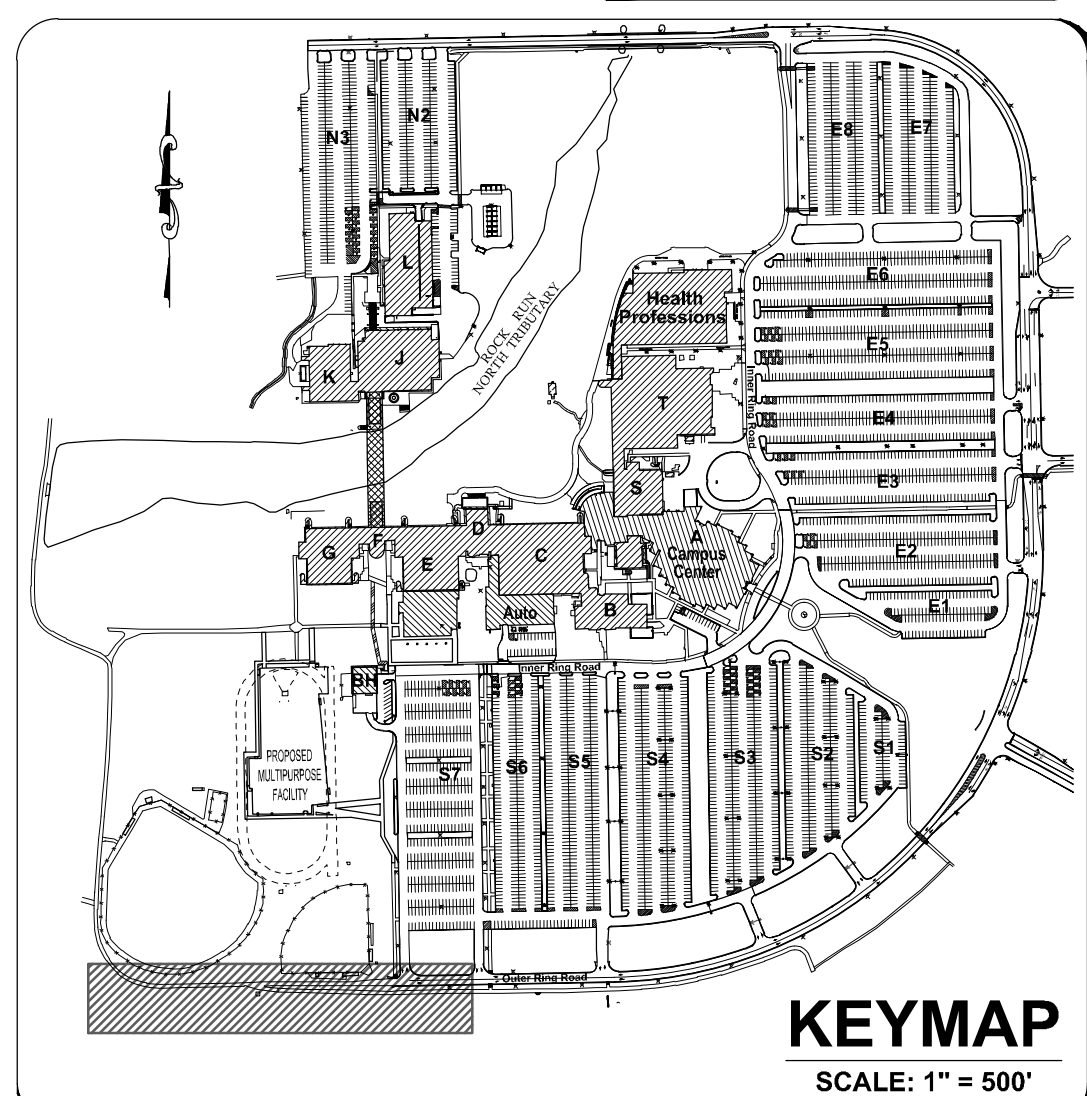
CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DRIVE  
 SHOREWOOD, IL 60404  
 P: 815.744.6600



Call Before You Dig  
**JULIE**  
 ILLINOIS  
 ONE-CALL SYSTEM  
 CONTACT J.U.L.I.E. at 811 or 800-892-0123  
 48 Hours (2 Working Days) BEFORE YOU DIG.  
 Include the following:  
 County, City/Township, Section & 1/4 Section No.

**SITE BENCHMARK 1:**  
 HEAD BOLT ON FIRE HYDRANT THAT ARROW POINTS TO, LOCATED APPROXIMATELY 740' SOUTH OF MAIN GARAGE EXIT ROAD ON/OFF HOUSTON ROAD.  
 ELEVATION = 607.75 (NAVD 88)

**SITE BENCHMARK 2:**  
 CUT CROSS TOP OF CONCRETE PAD BY ELECTRIC PANELS LOCATED TO THE EAST OF THE BASEBALL FIELD PRESS BOX.  
 ELEVATION = 564.18 (NAVD 88)  
 FIELD VERIFY BENCHMARK WITH BENCHMARK LIST.



**RT & A** Ruettiger, Tonelli & Associates, Inc.  
 Surveyors • Engineers • Planners • Landscape Architects • G.I.S. Consultants  
 129 CAPISTA DRIVE • SHOREWOOD, ILLINOIS 60404  
 TEL: (815) 744-6600 FAX: (815) 744-0101  
 website: www.ruettigertonnelli.com

LATEST R.T.A. REVISION: 6-1-2015  
 FIELD BOOK & PAGE: JAC

**R.T. & A. Dwg. No.: 401-0058-C1**

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 06/01/15

**BID PACKAGE 1  
 ISSUED FOR BID**

NO.	DESCRIPTION	DATE

SHEET TITLE:  
**EROSION CONTROL PLAN (2 OF 2)**

SHEET NUMBER:

**C6.2**





ARCHITECT OF RECORD  
**DEMIONA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE  
 400W NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DRIVE  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 06/01/15  
**BID PACKAGE 1  
 ISSUED FOR BID**

NO.	DESCRIPTION	DATE
1	BP-1 ADDENDUM 1	6-23-2015
2	BP-1 ADDENDUM 2	6-24-2015

SHEET TITLE:  
**GENERAL NOTES  
 AND CONSTRUCTION  
 DETAILS**

SHEET NUMBER:

**C7.1**

- FOR THE FOLLOWING ITEMS, REFER TO THE ARCHITECTURAL PLANS:  
 BUILDING DIMENSIONS  
 STRUCTURAL DESIGN AND DETAILS  
 CONCRETE SURFACE JOINTING DESIGN AND DETAILS  
 BUILDING SERVICE LOCATIONS  
 ROOF DRAINAGE CONNECTIONS  
 SITE LIGHTING DESIGN AND DETAILS  
 SITE SIGNAGE DESIGN AND DETAILS  
 LANDSCAPE DESIGN AND DETAILS  
 CONSTRUCTION MANAGEMENT, SCHEDULING AND / OR PHASING  
**ALL ITEMS ON THESE PLANS NOTED "SEE ARCHITECTURAL PLANS"**
- UNLESS OTHERWISE NOTED, ALL DIMENSIONS, STATIONING, AND GRADES SHOWN ARE REFERENCED TO THE BACK OF, AND THEREFORE THE TOP OF THE CURBLINE.
- ALL NEW CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" LATEST EDITION; AND "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" - ILLINOIS DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
- THE OWNER AND/OR CONTRACTOR ARE REQUIRED TO FILE A NOTICE OF INTENT (NOI) WITH THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (IEPA) RELATIVE TO STORM WATER DISCHARGE QUALITY, AND OBTAIN A GENERAL PERMIT ILLR-10 OR OTHER NATIONAL POLLUTANT ELIMINATION SYSTEM (NPDES) PERMIT AS MAY BE REQUIRED PRIOR TO ANY SITE CONSTRUCTION.
- ALL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE CONSTRUCTION MANAGER.
- UNLESS NOTED OTHERWISE, ANY UNDERGROUND SEWER OR DRAIN TILE SHALL REMAIN IN OPERATION, AND IF DAMAGED SHALL BE REPAIRED TO EXISTING OR BETTER CONDITION, THE OWNER OF THE TILE AND THE CONSTRUCTION MANAGER SHALL BE NOTIFIED BEFORE TRENCH IS BACKFILLED.
- CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY THE OWNER, CONSTRUCTION MANAGER AND ENGINEER IF THERE IS ANY DISCREPANCY BETWEEN THE PLANS AND EXISTING CONDITIONS PRIOR TO PROCEEDING WITH ANY STAGE OF CONSTRUCTION OF PROPOSED IMPROVEMENTS.
- GRANULAR BACKFILL TO BE CRUSHED LIMESTONE CA-6.
- ALL PROPOSED ROOF DRAINAGE SHALL BE DIRECTED TO THE PROPOSED STORM WATER MANAGEMENT SYSTEM, WHERE APPLICABLE, EXISTING ROOF DRAINS SHALL BE DIRECTED TO THE PROPOSED STORM WATER MANAGEMENT SYSTEM.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COMPLETELY REMOVE AND PROPERLY DISPOSE OF EXISTING STRUCTURES, DEBRIS, WASTES AND VEGETATION FROM THE SITE AS NOTED ON THE PLAN OR AS MAY BE REQUIRED TO PROPERLY COMPLETE HIS WORK. ALL DEBRIS AND SURPLUS MATERIALS REMOVED FROM THE SITE SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR. NO ON-SITE BURNING OR BURIAL SHALL BE ALLOWED.

**STORM SEWER AND SANITARY SEWER NOTES:**

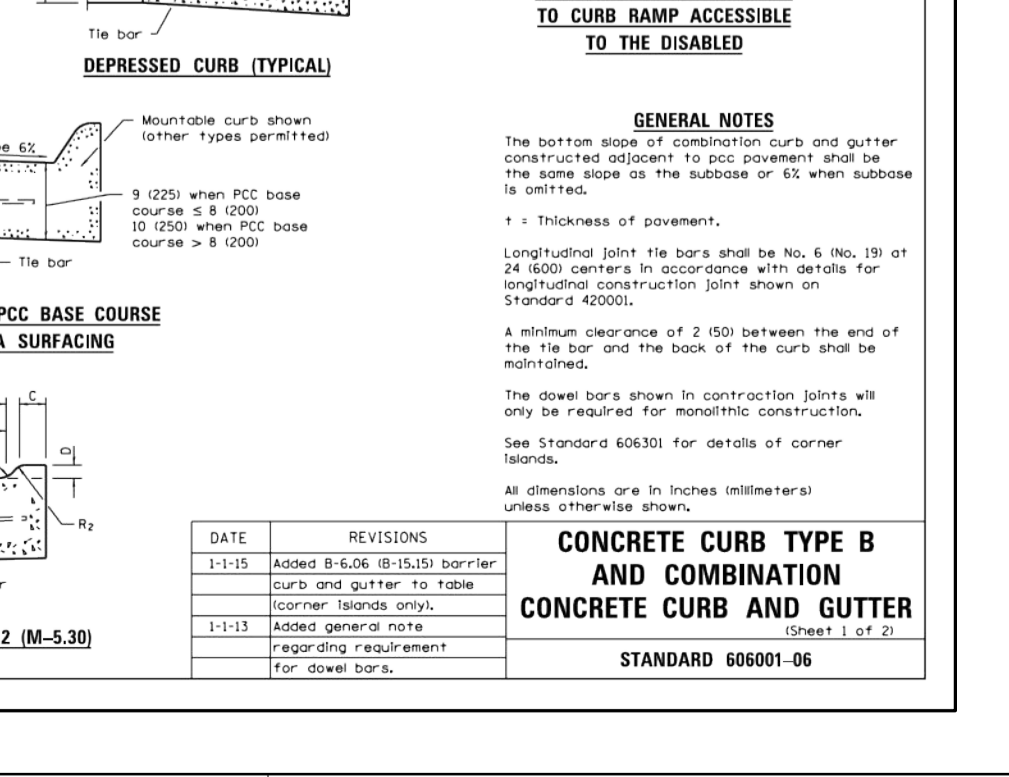
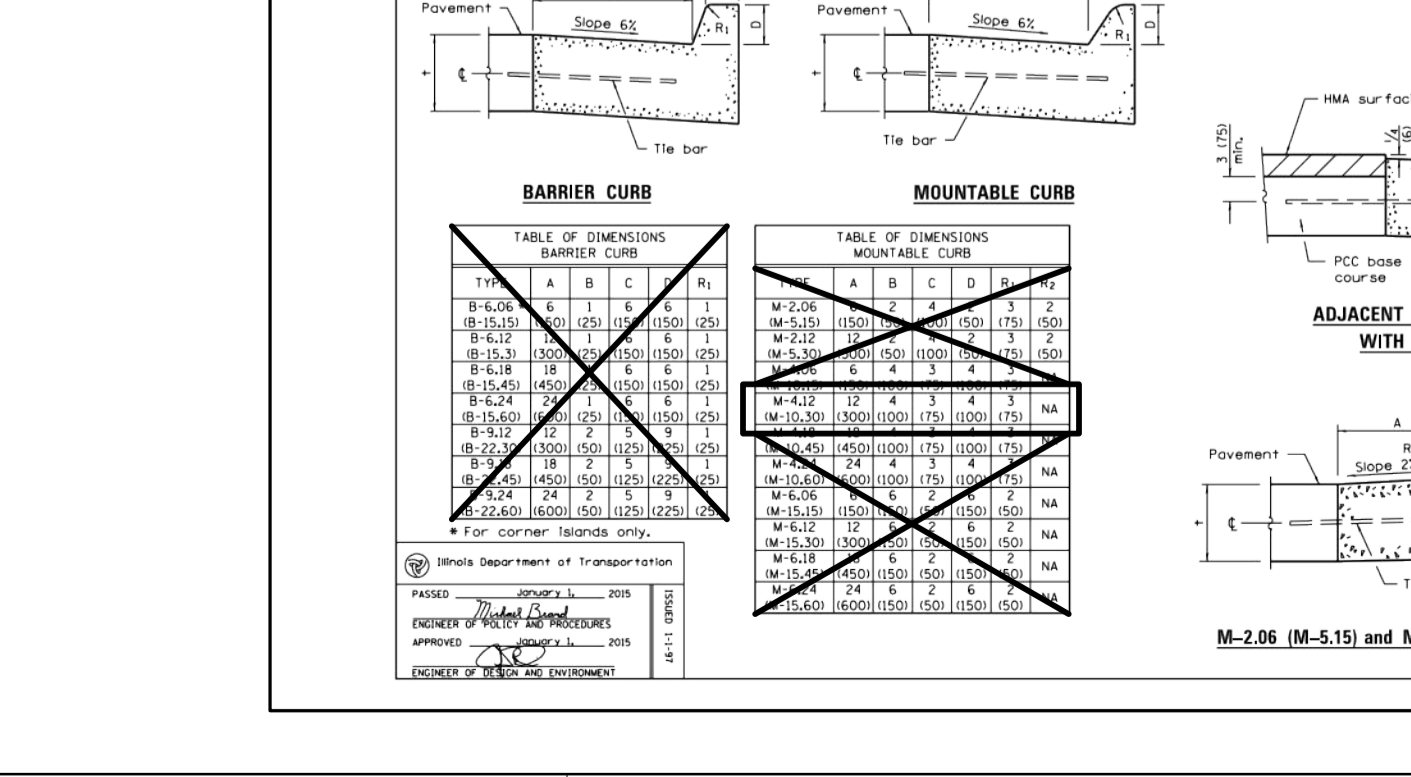
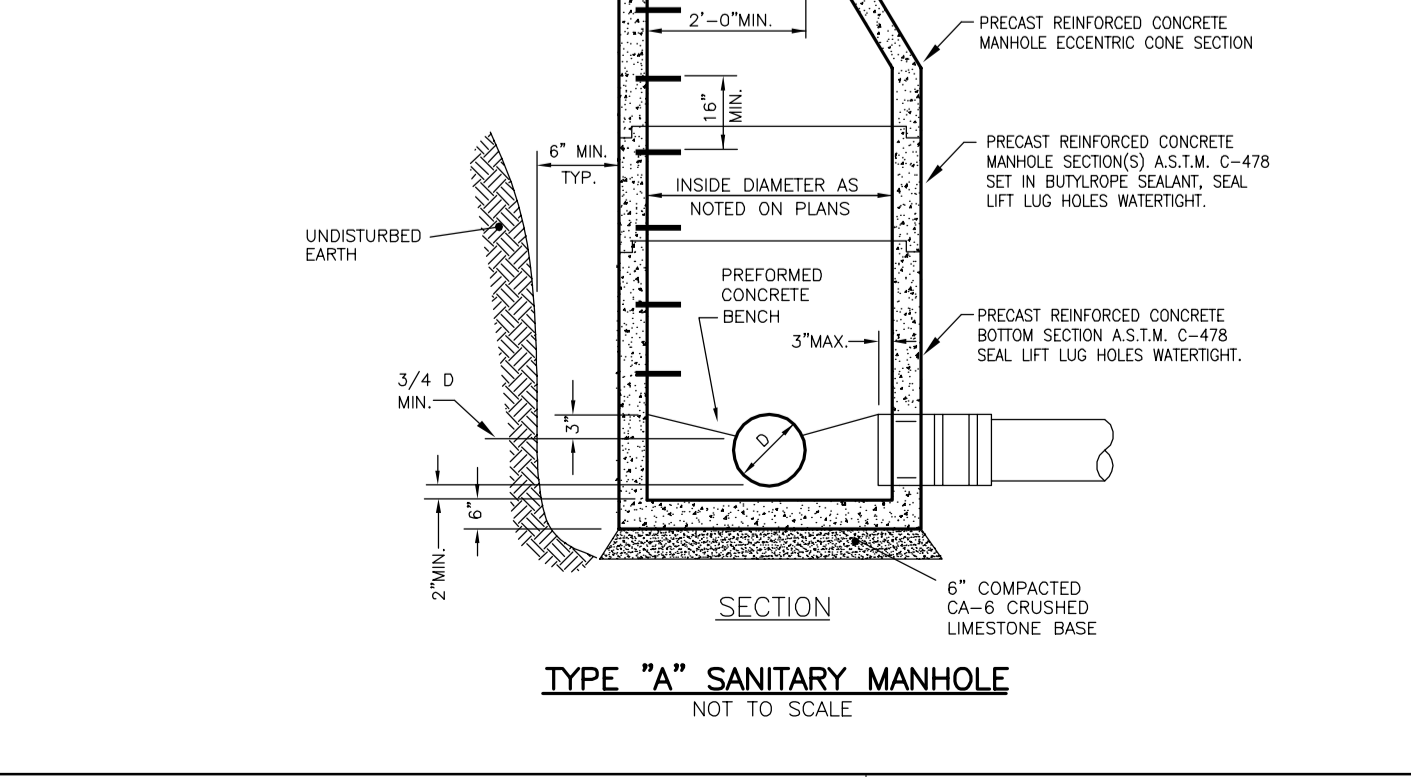
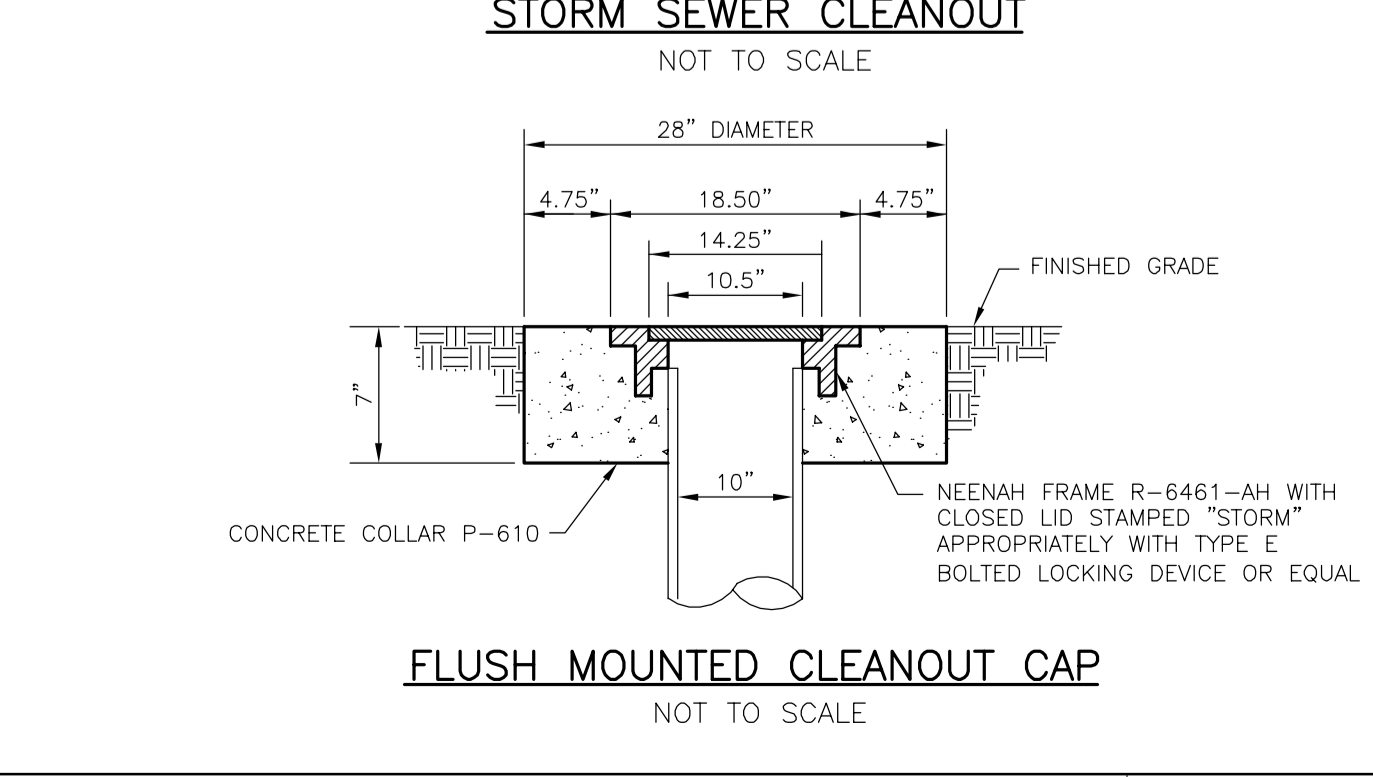
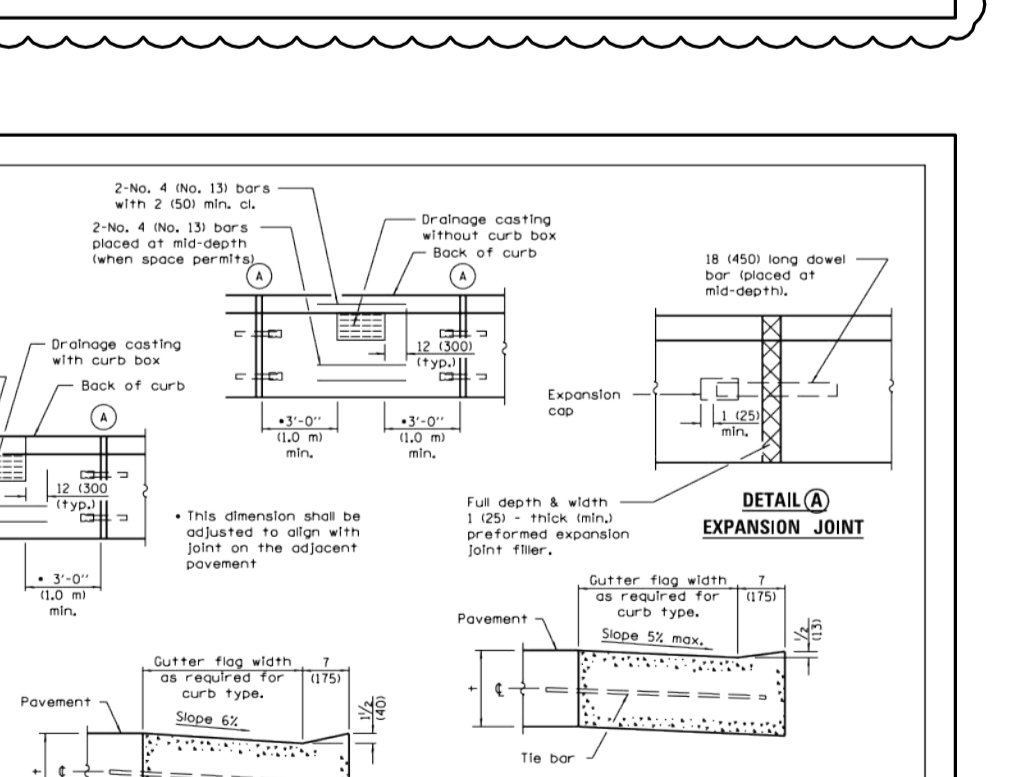
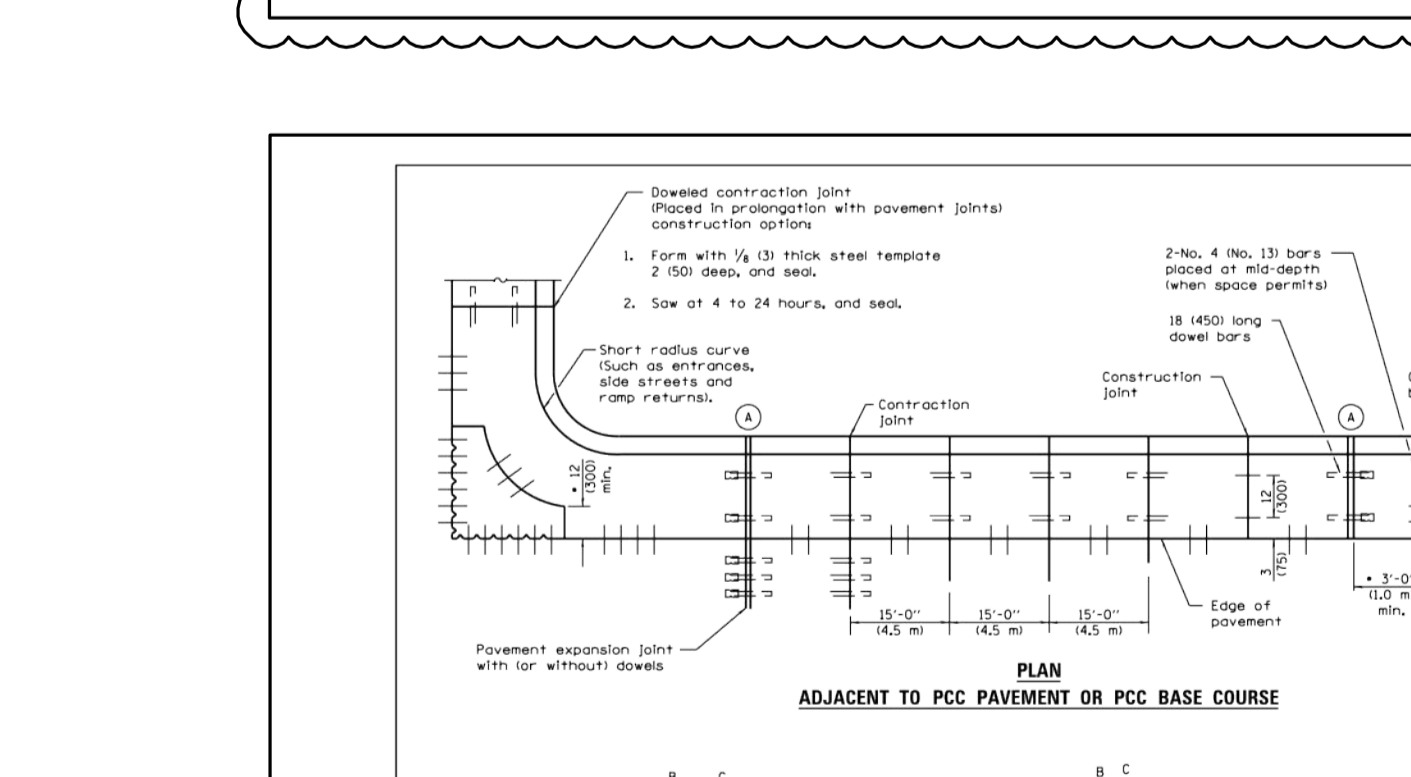
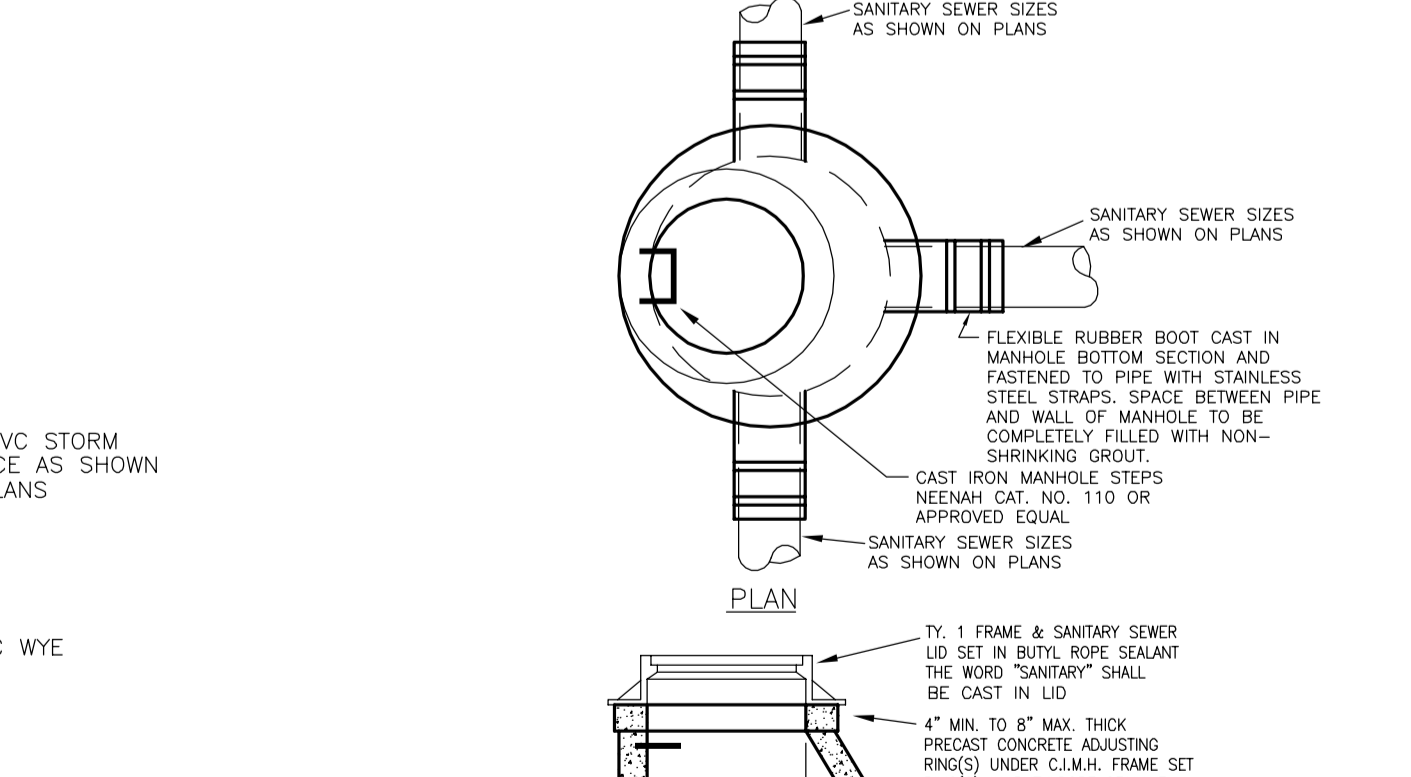
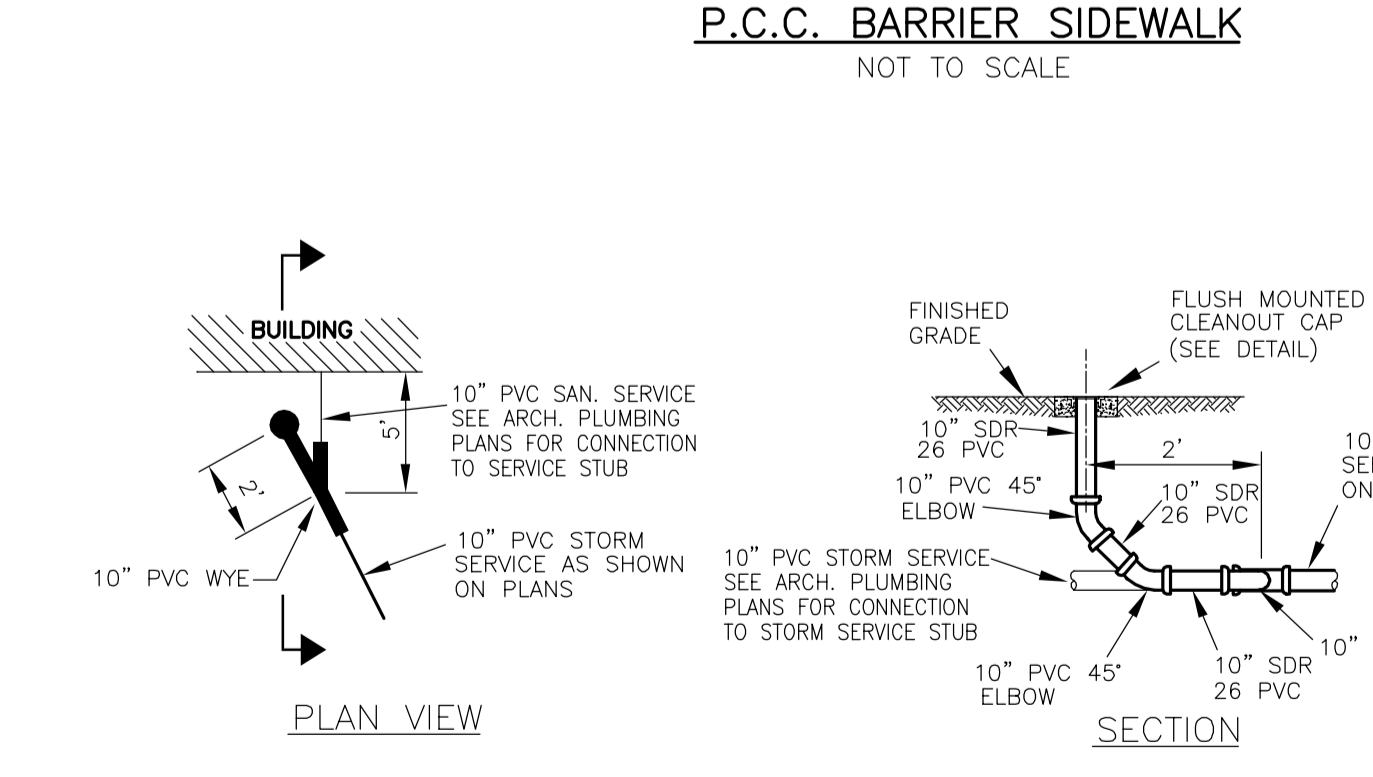
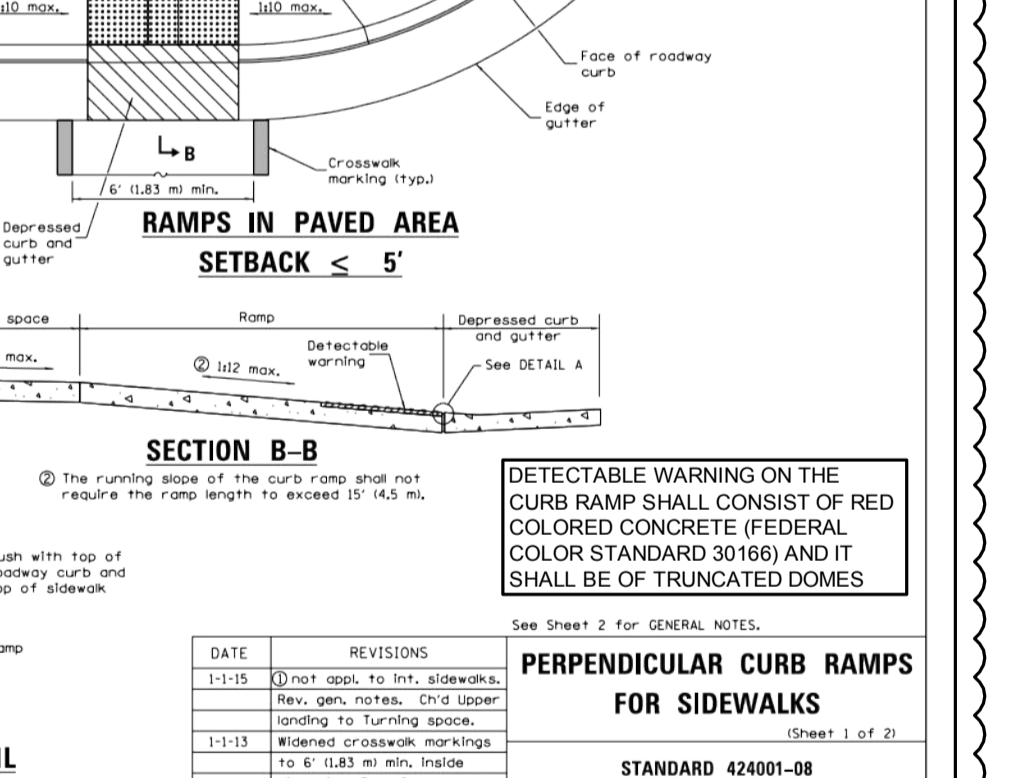
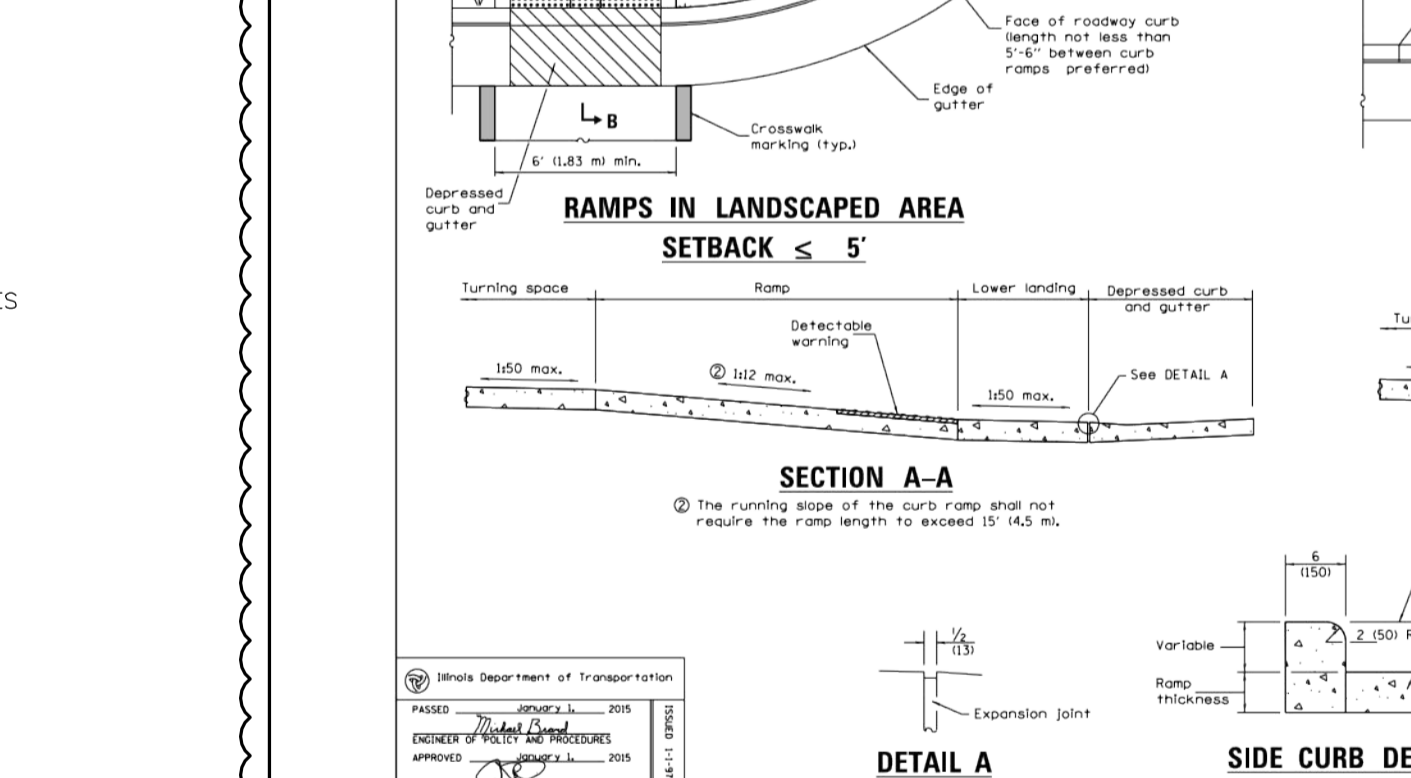
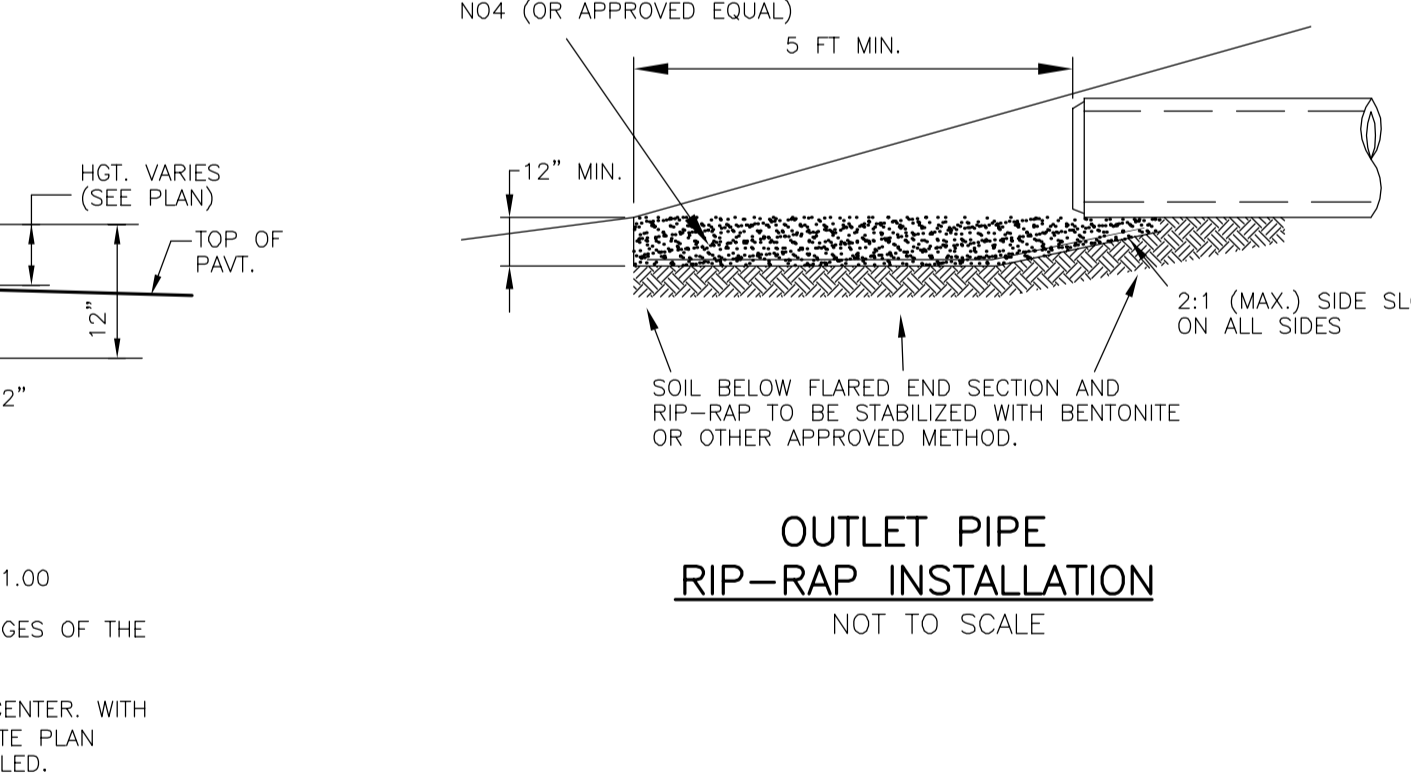
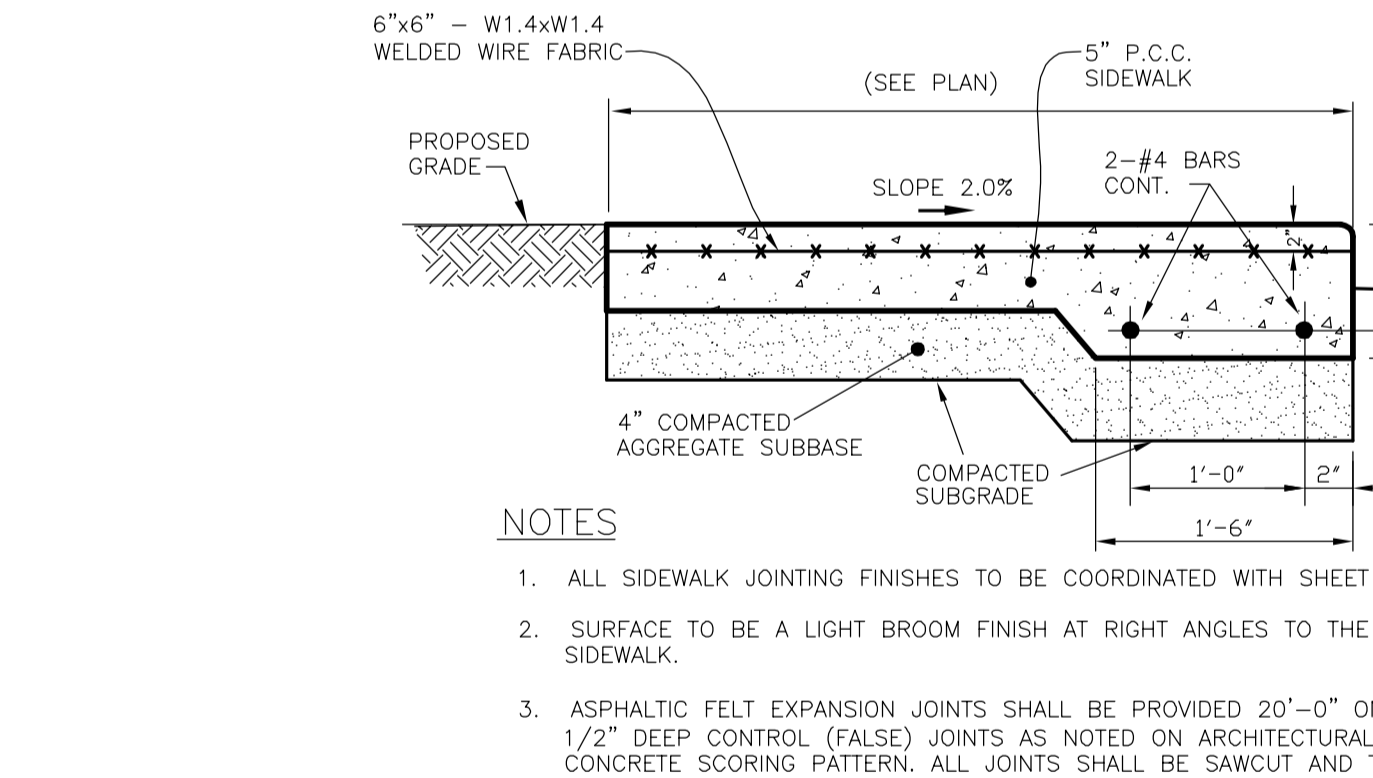
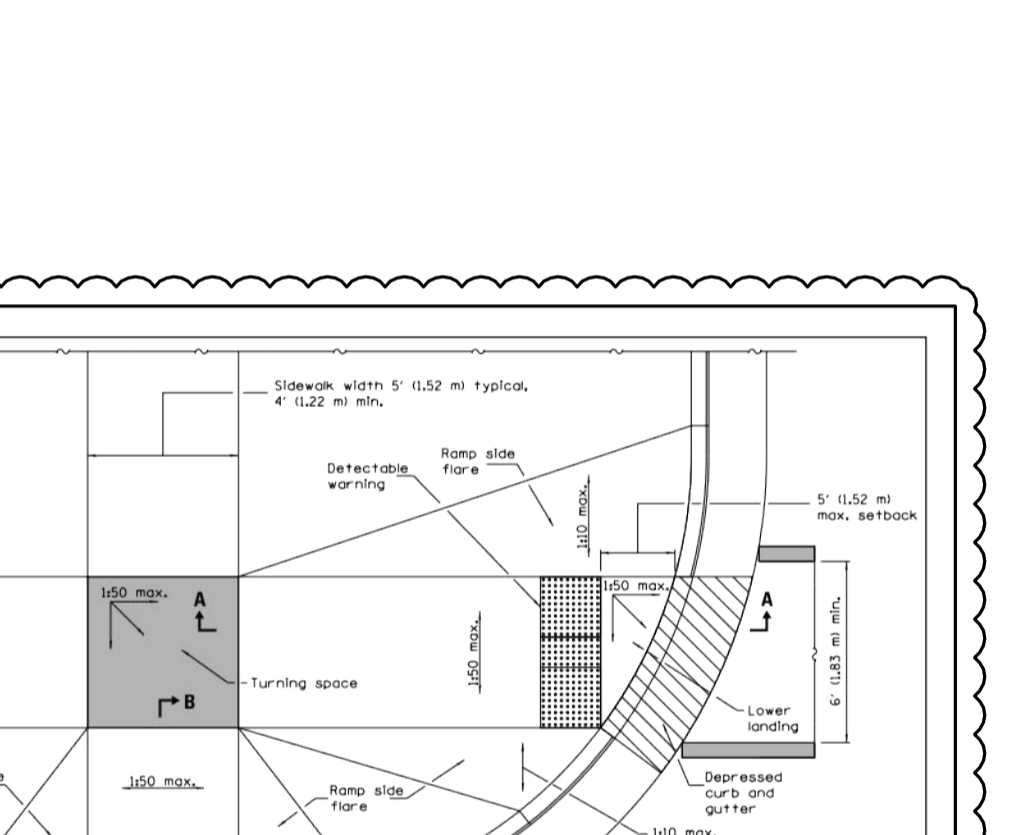
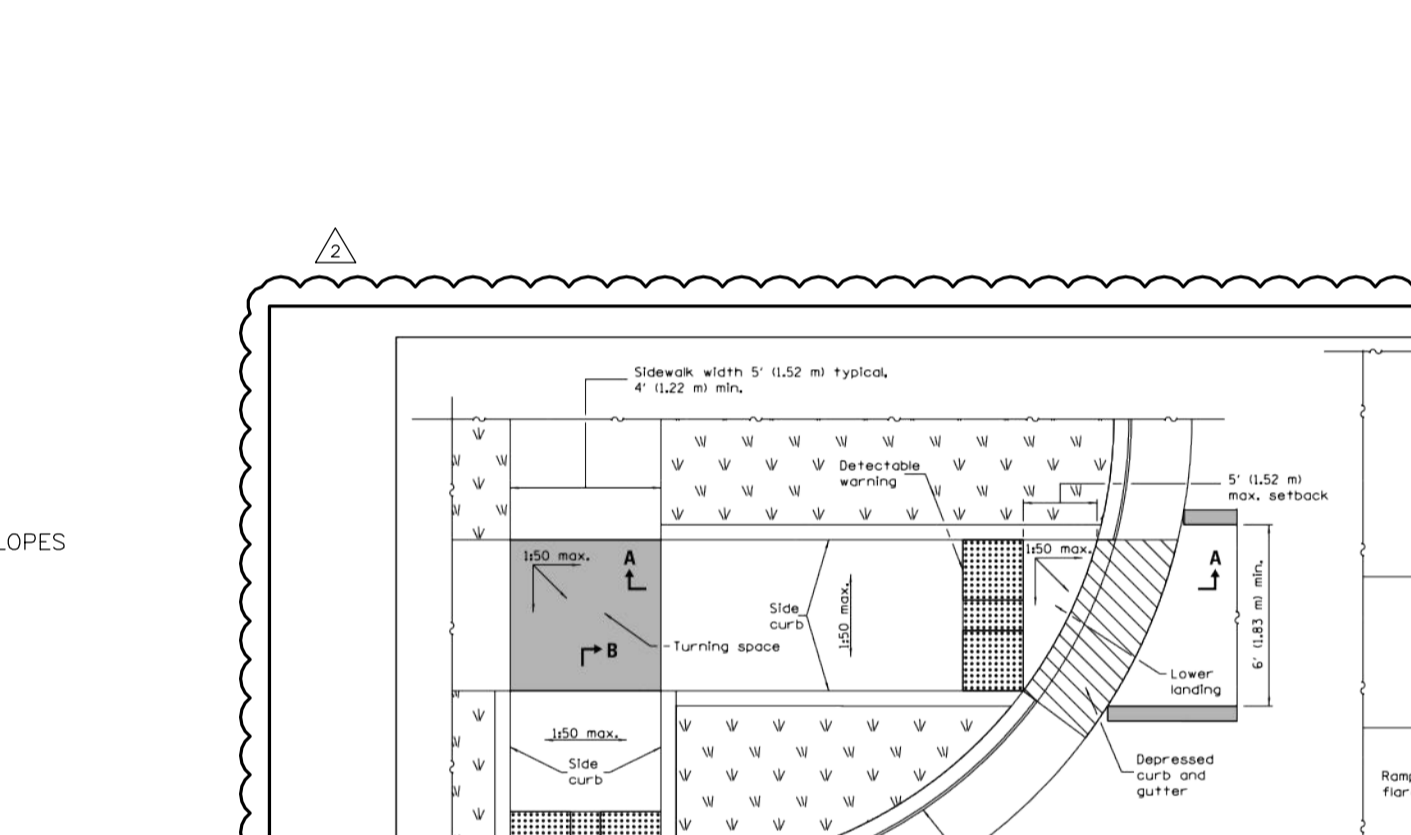
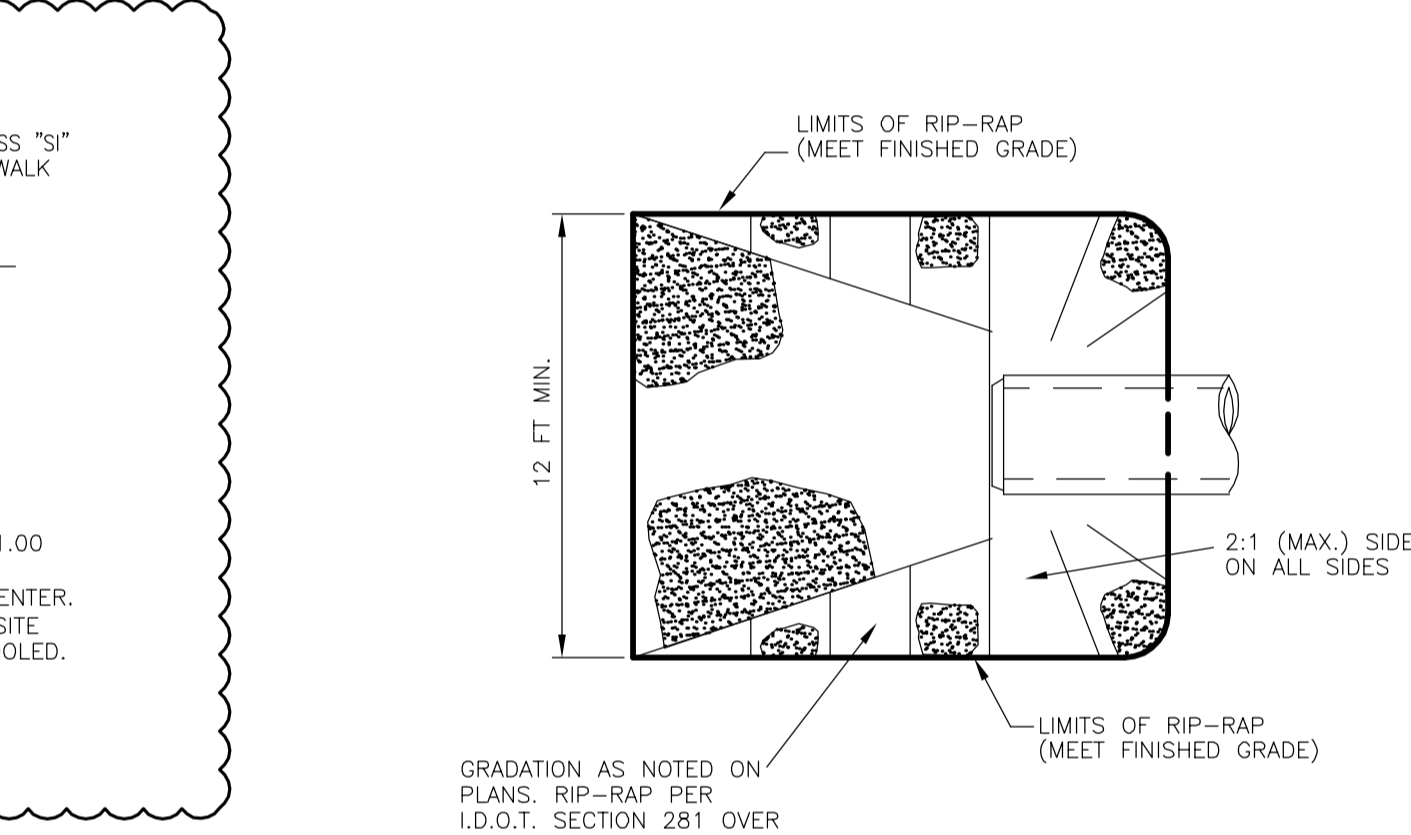
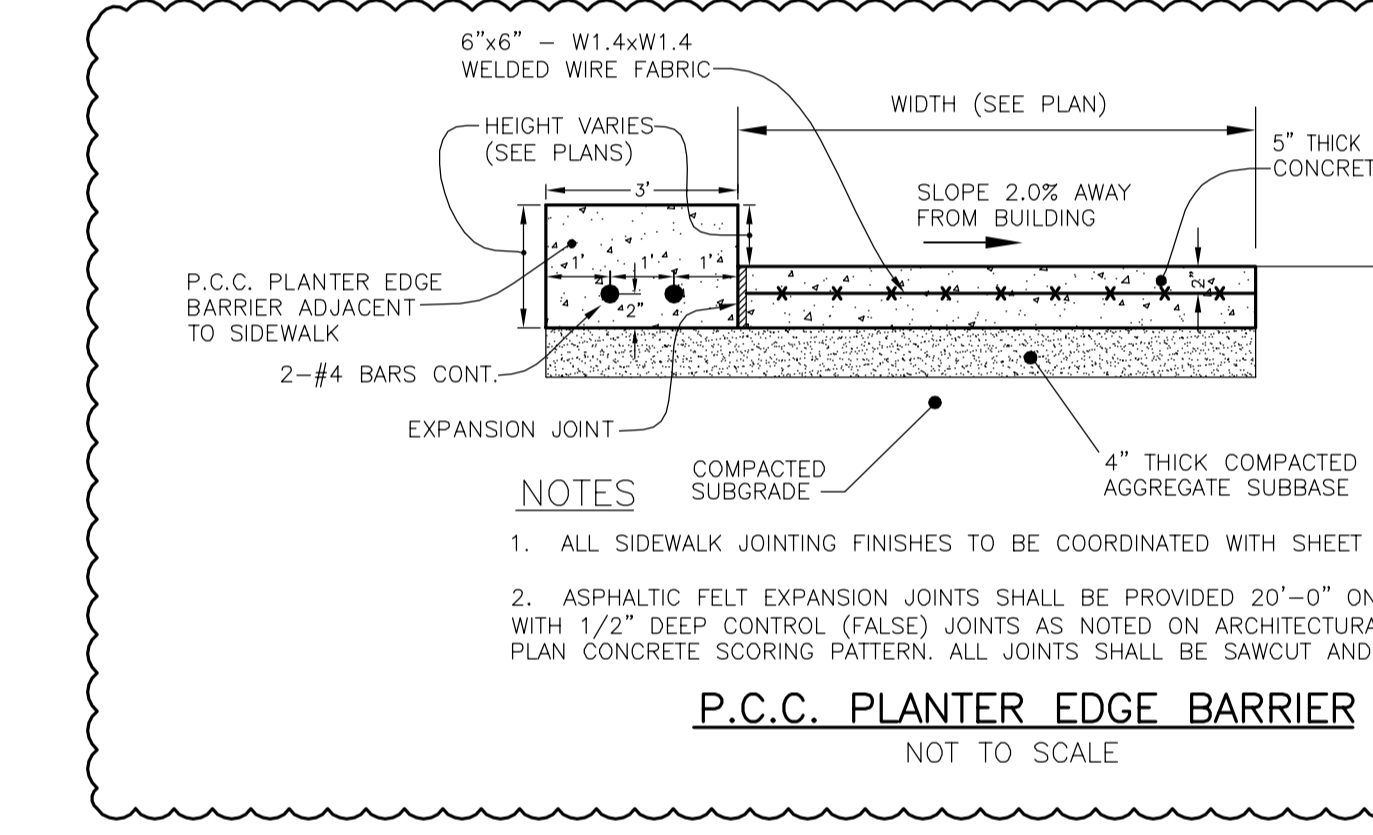
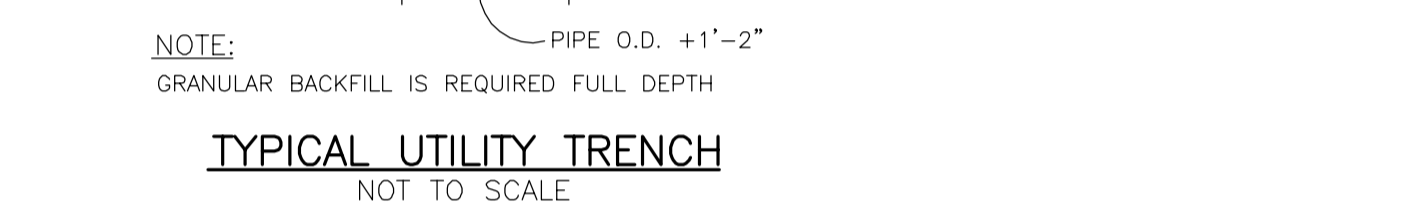
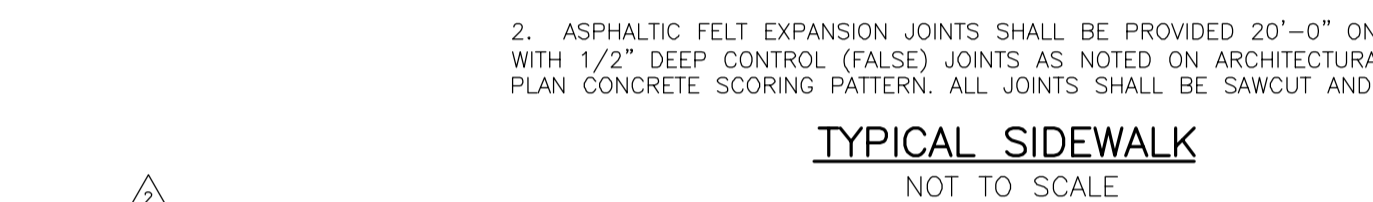
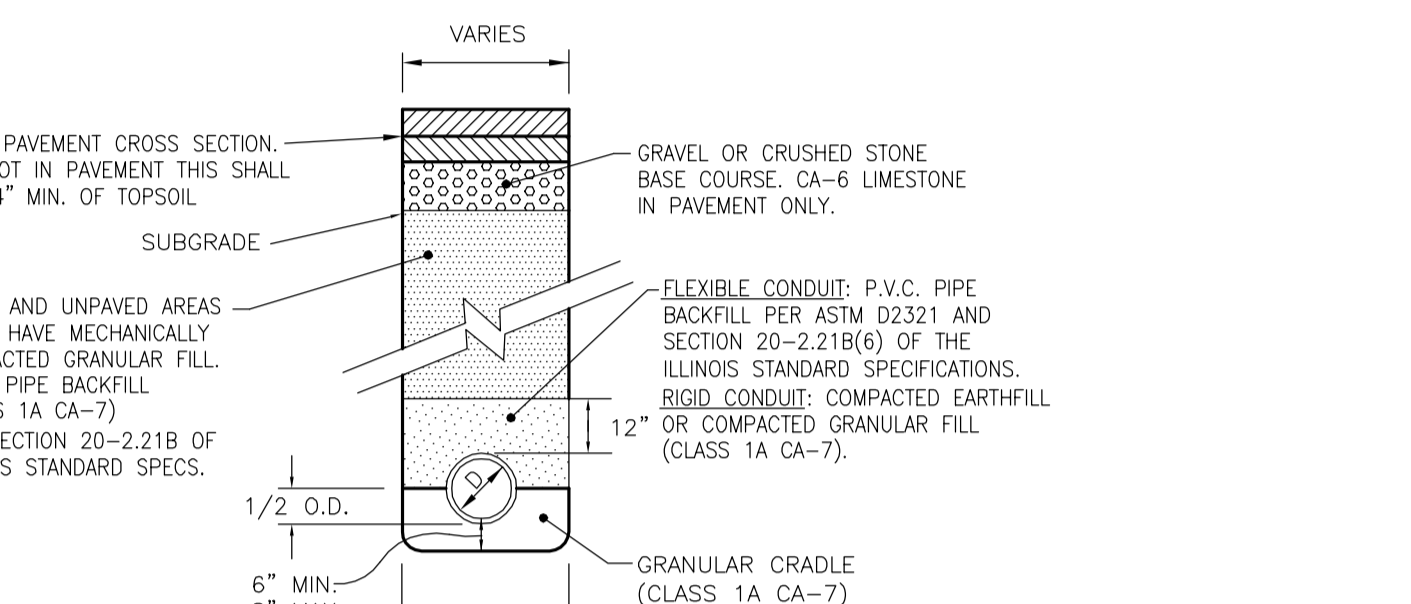
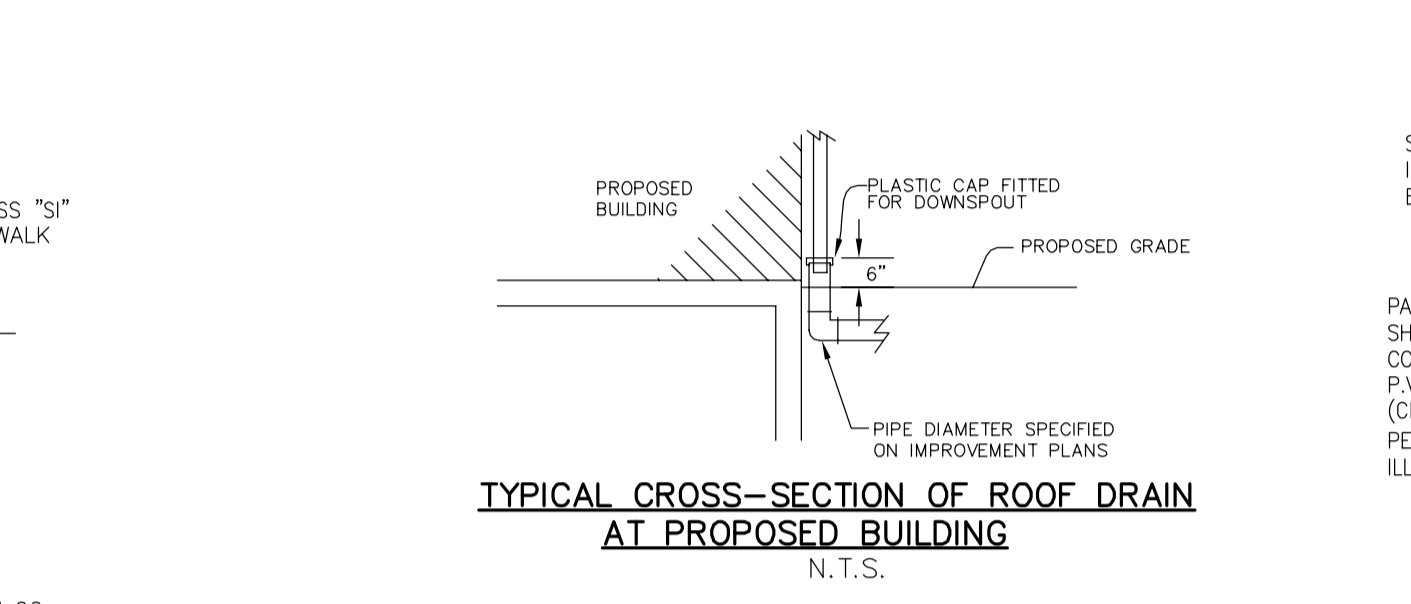
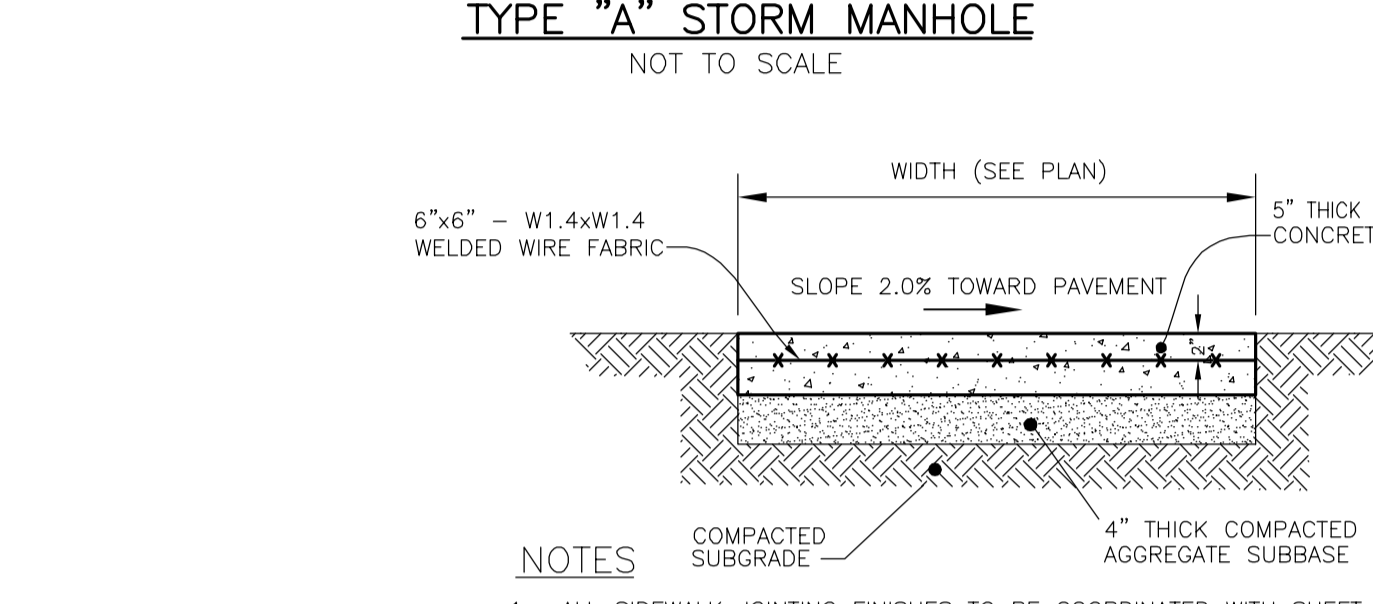
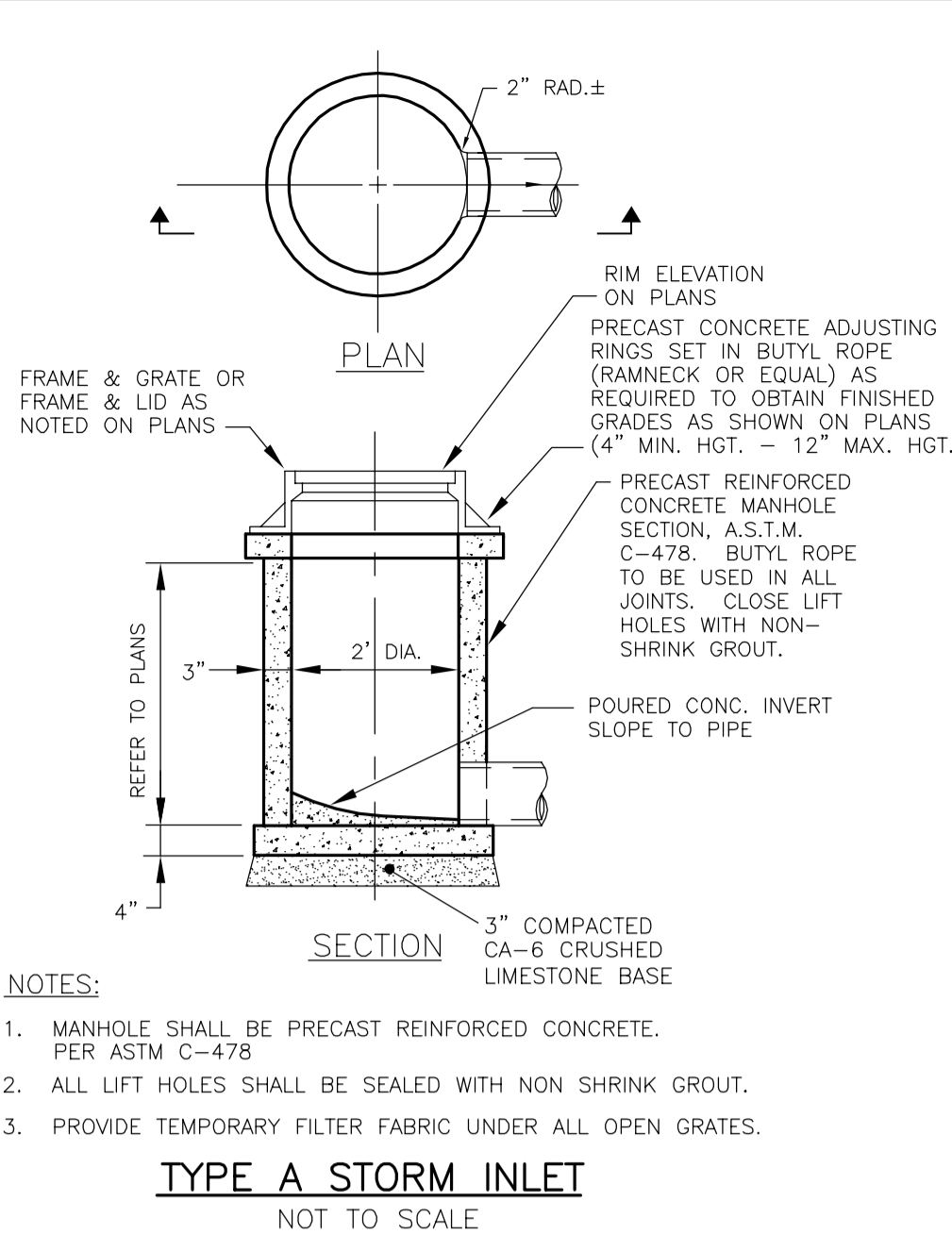
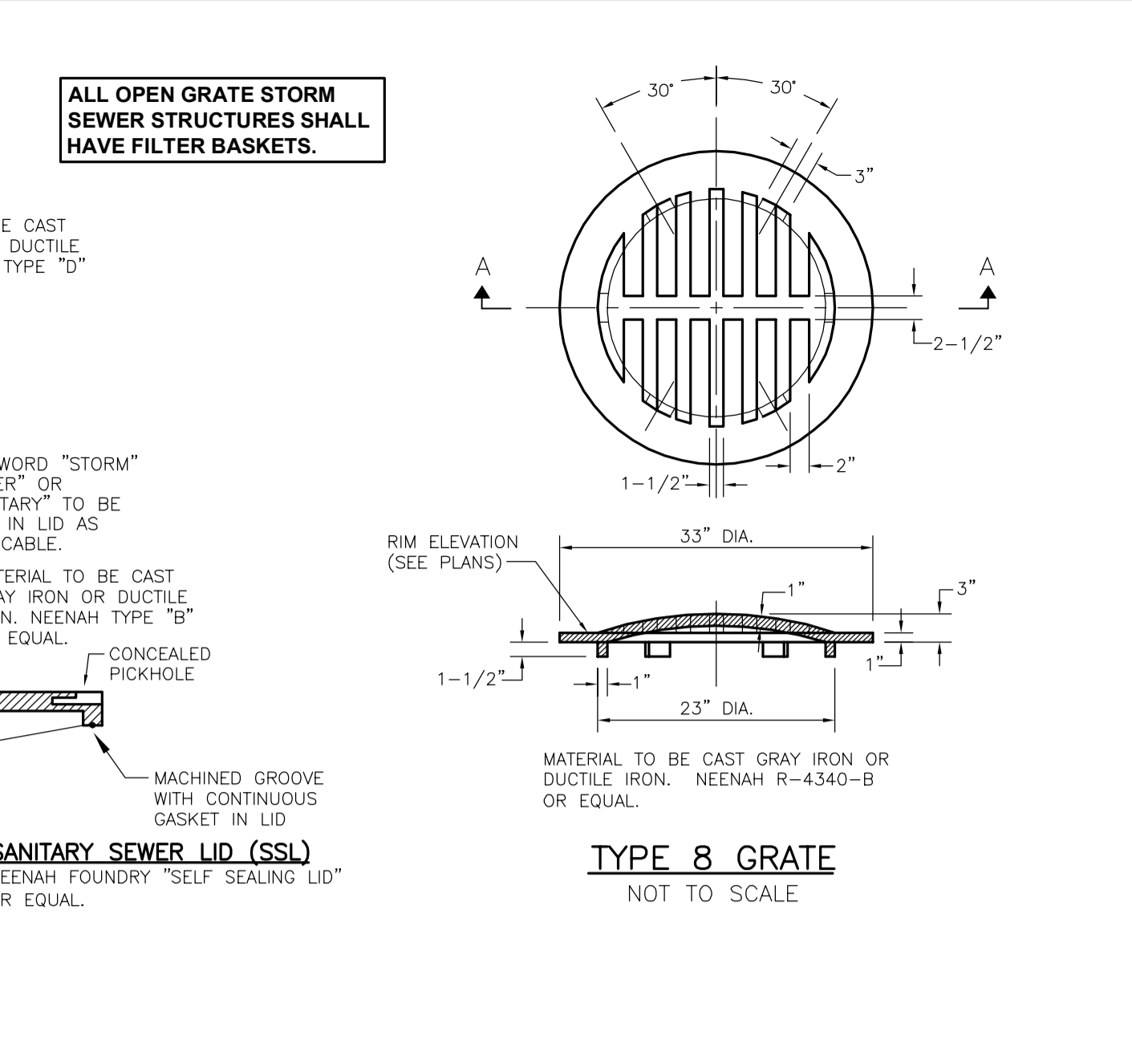
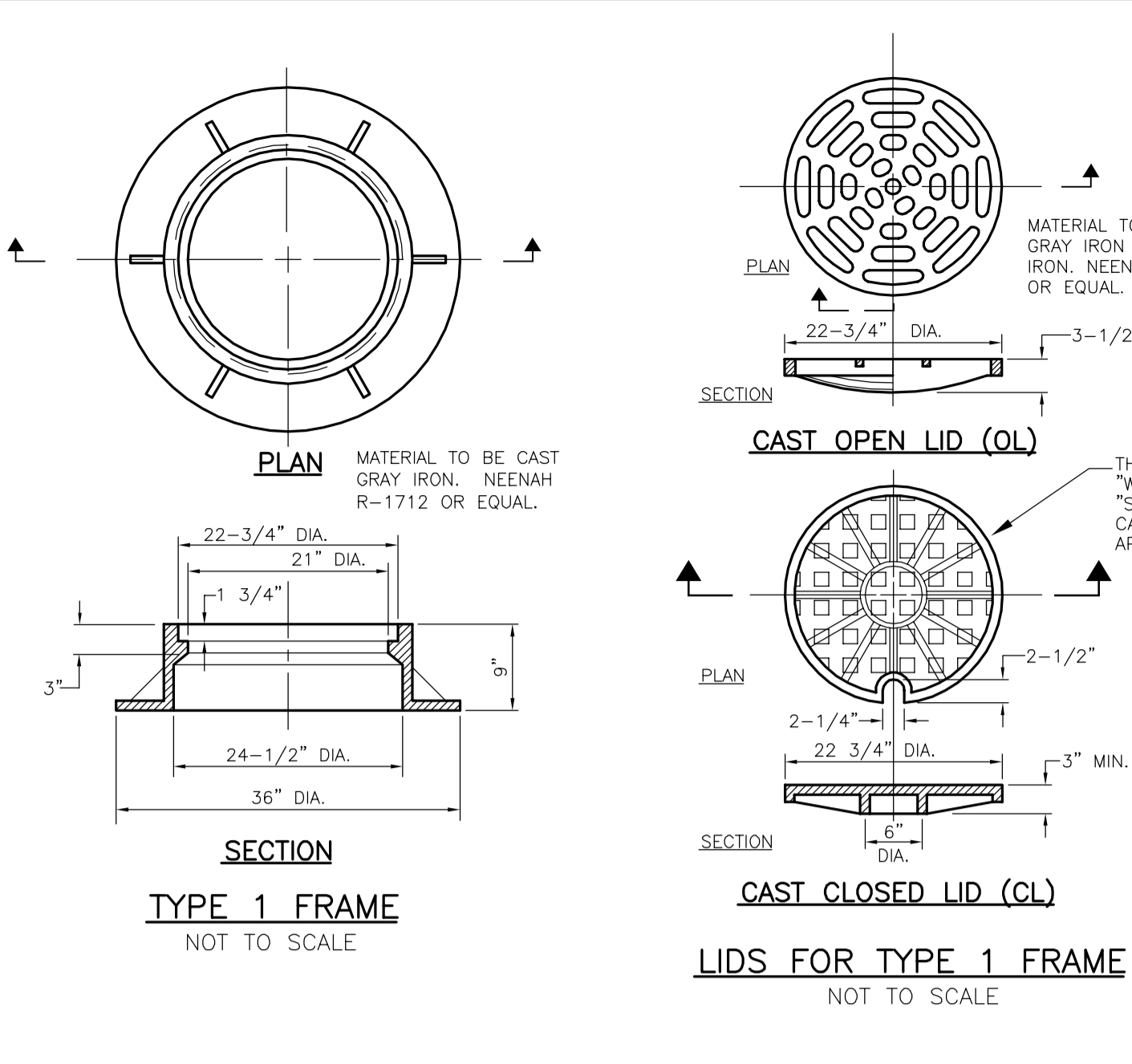
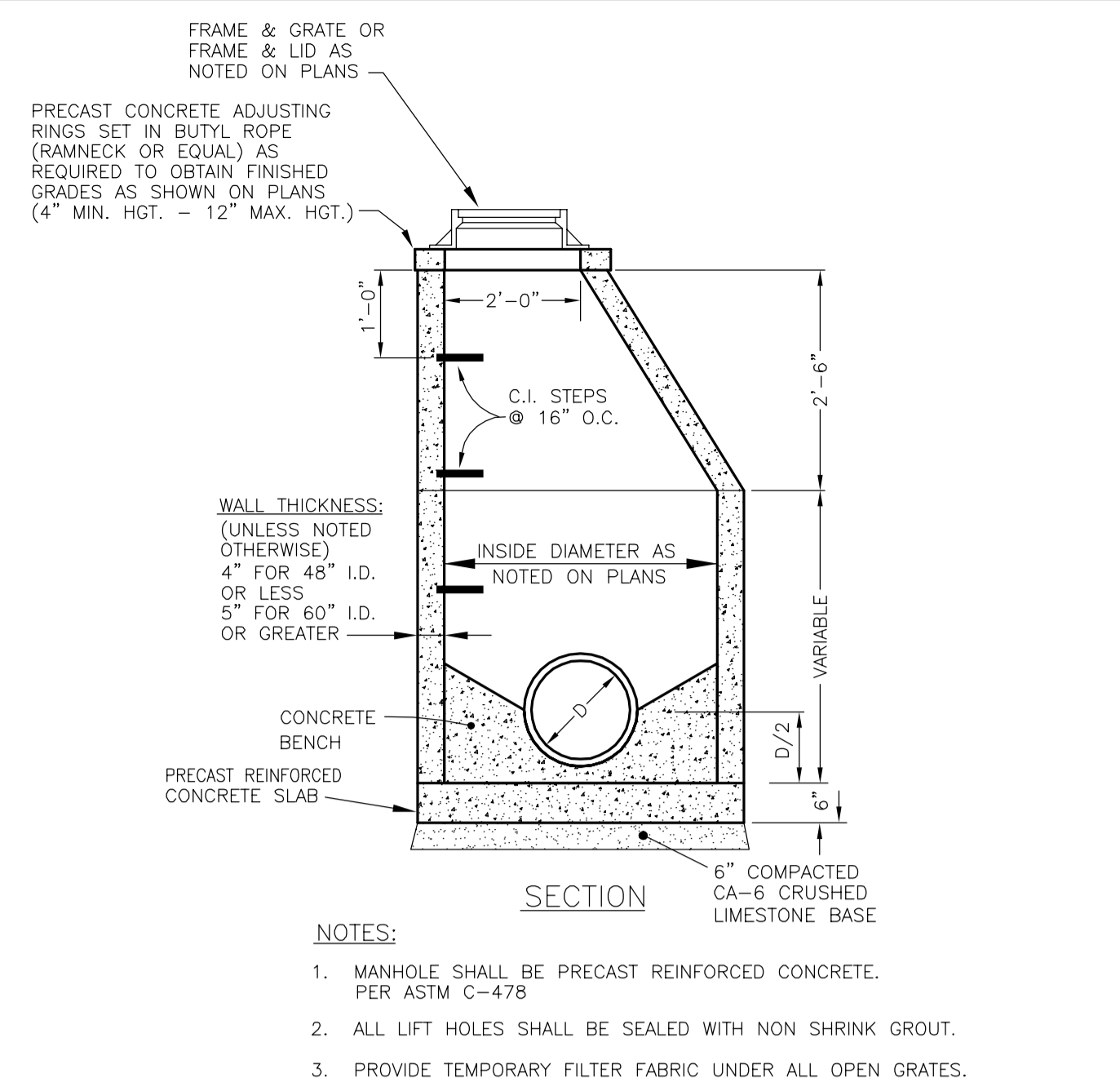
SANITARY SEWER & WATER MAIN SEPARATION SHALL CONFORM TO SECTION 41-2.01 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

**SANITARY SEWER:**

- SANITARY SEWER MAIN SHALL BE PVC SDR-26 (AS NOTED IN PLANS), SERVICES SHALL BE P.V.C. SDR-35 PER A.S.T.M. D-3034 (8'-8") AND ASTM F-699-89(18") WITH FLEXIBLE ELASTOMERIC SEALS PER A.S.T.M. D3212 OR APPROVED EQUAL.
- GRANULAR BEDDING SHALL BE CONSTRUCTED IN CONJUNCTION WITH THE INSTALLATION OF ALL SANITARY SEWERS AND SERVICES. GRANULAR BEDDING SHALL BE CLASS 1 CRUSHED CA-7 AND AT LEAST 4" OVER TOP OF PIPE PER ASTM D3231.
- SANITARY SEWER SHALL BE AIR PRESSURE TESTED PER THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION). SANITARY SEWER SHALL BE MANDREL TESTED AND A VIDEO INSPECTION PERFORMED WITH THE VIDEO AND A WRITTEN REPORT SENT TO THE CITY.
- SANITARY MANHOLES SHALL BE VACUUM TESTED IN ACCORDANCE WITH ASTM C969-94 AND DOCUMENTED WITH RESULTS FORWARDED TO THE CONSTRUCTION MANAGER.
- PROVIDE TRACER WIRE AND EXCAVATION WARNING TAPE FOR THE SANITARY SEWER.

**STORM SEWER:**

- STORM SEWER SHALL BE REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76 CLASS SHOWN ON DRAWINGS, O-RING JOINTS CONFORMING TO ASTM C443.
- ALL FLARED END SECTIONS SHALL HAVE A GRADE PER I.D.O.T. STANDARD 2364-3 AND 2379-2, AND AN END BLOCK PER I.D.O.T. STANDARD 2249-1.



**Call Before You Dig**  
**JULIE**  
 ILLINOIS ONE-CALL SYSTEM

CONTACT J.U.L.I.E. at 811 or 800-892-0123  
 48 Hours (2 Working Days) BEFORE YOU DIG.  
 (Include the following.)  
 County, City/Township, Section & 1/4 Section No.

**RT & A** Ruettiger, Tonelli & Associates, Inc.  
 Surveyors • Engineers • Planners • Landscape Architects • G.I.S. Consultants  
 129 CAPISTA DRIVE • SHOREWOOD, ILLINOIS 60404  
 PH: (815) 744-6600 FAX: (815) 744-0101  
 website: www.ruettigertonnelli.com

LATEST RT & A REVISION: 6-24-2015  
 FIELD BOOK & PAGE: JJC

**R.T. & A. Dwg. No.: 401-0058-C1**



ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

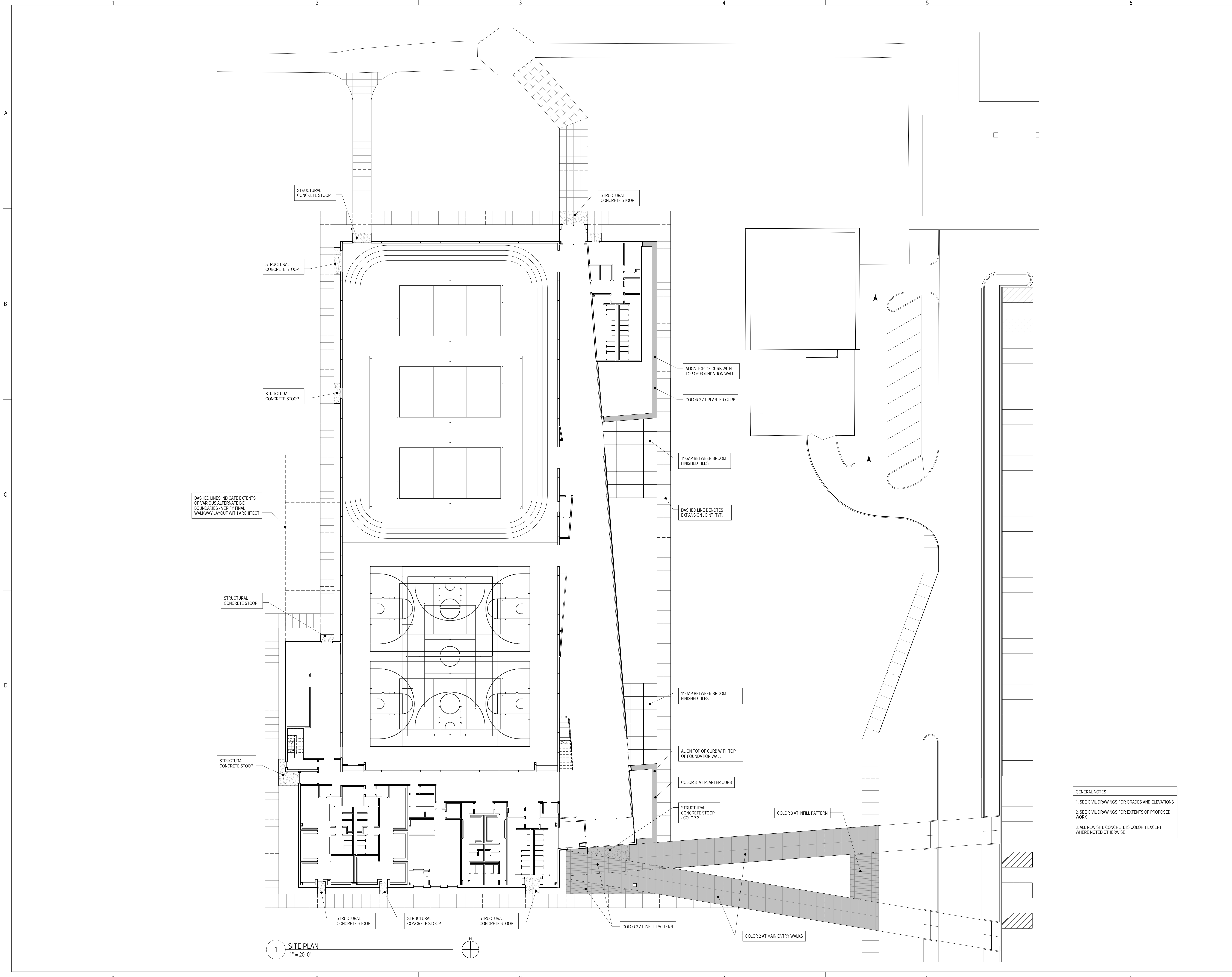
SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**SITE PAVING  
 GEOMETRY PLAN**

SHEET NUMBER:  
**AS1.00**

7/20/2015 10:53:57 AM



DASHED LINES INDICATE EXTENTS OF VARIOUS ALTERNATE BID BOUNDARIES - VERIFY FINAL WALKWAY LAYOUT WITH ARCHITECT

GENERAL NOTES  
 1. SEE CIVIL DRAWINGS FOR GRADES AND ELEVATIONS  
 2. SEE CIVIL DRAWINGS FOR EXTENTS OF PROPOSED WORK  
 3. ALL NEW SITE CONCRETE IS COLOR 1 EXCEPT WHERE NOTED OTHERWISE

1 SITE PLAN  
 1" = 20'-0"





ARCHITECT OF RECORD  
**DEMIONA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

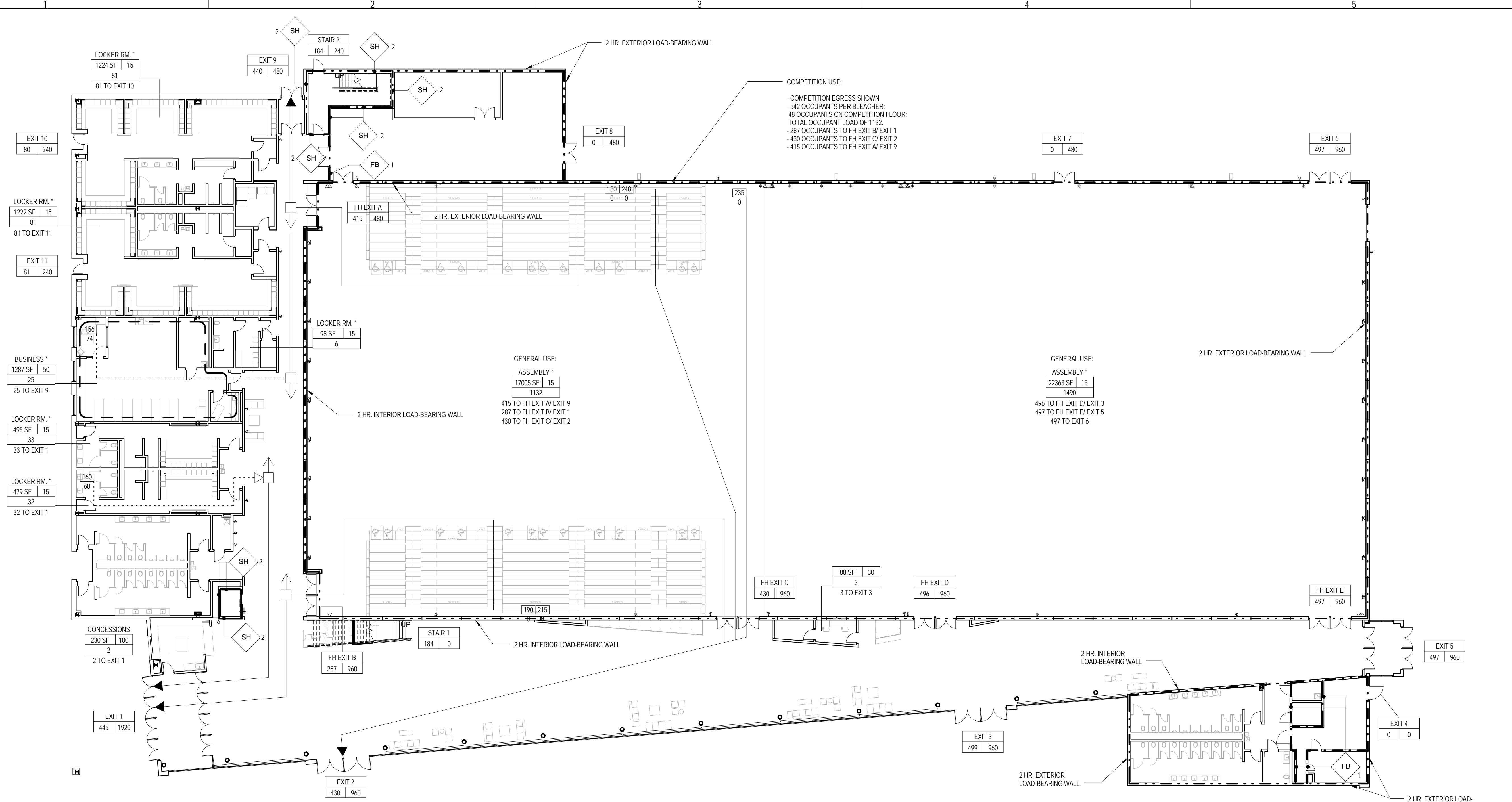
NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1  
 CODE PLAN**

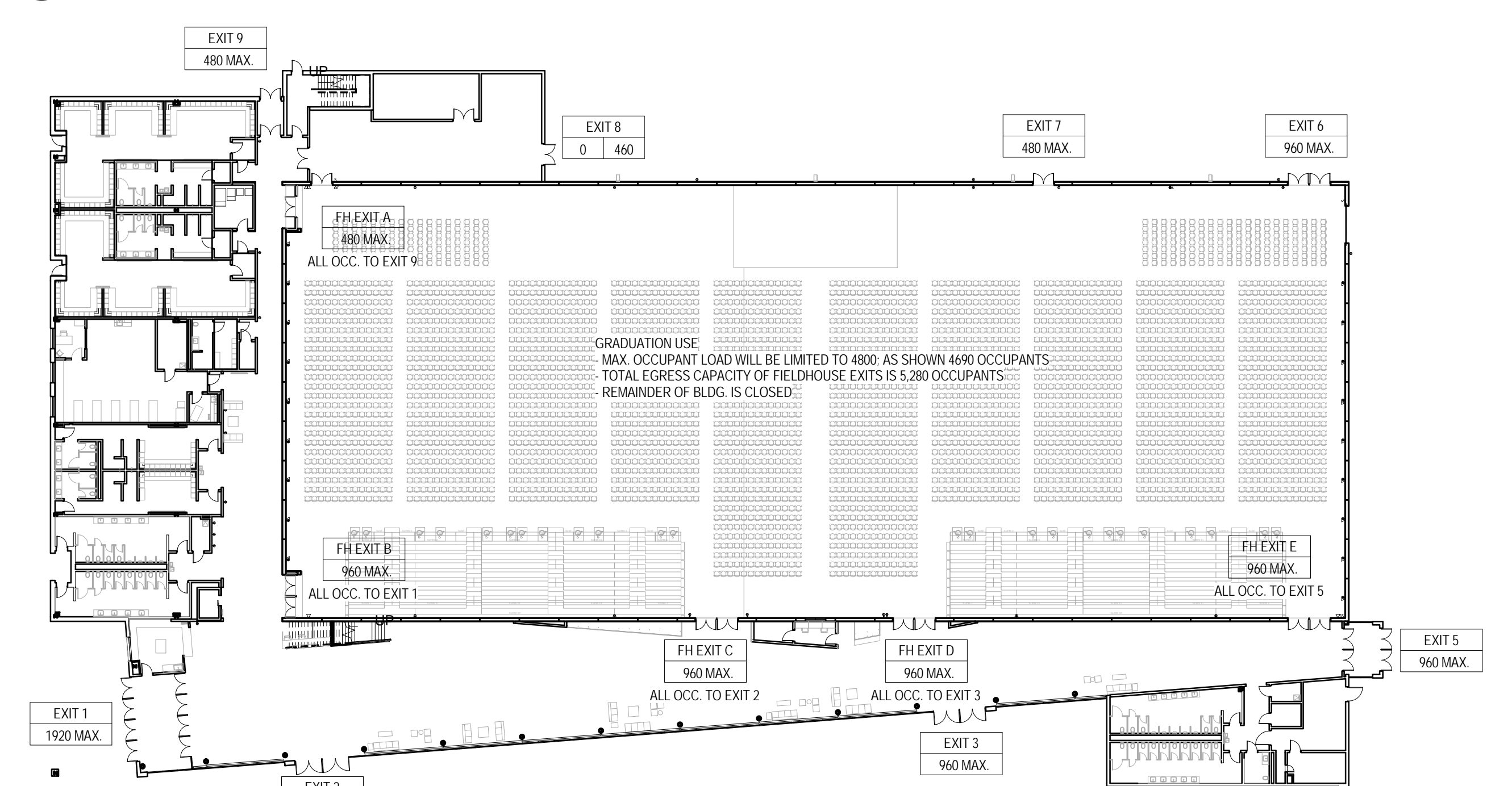
SHEET NUMBER:  
**AC1.11**

**CODE COMPLIANCE NOTES:**

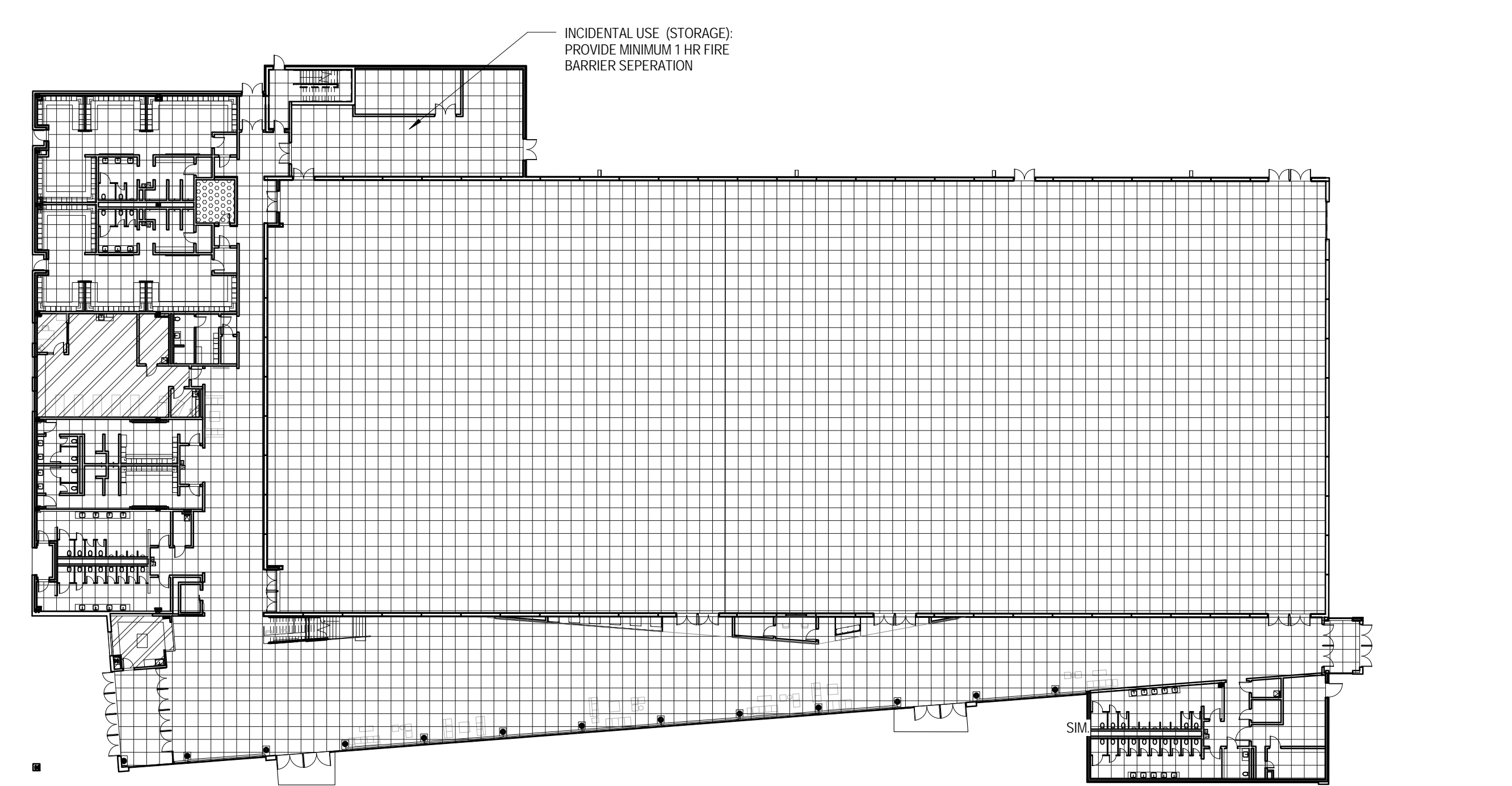
- APPLICABLE CODES:**  
 2003 INTERNATIONAL BUILDING CODE  
 2012 INTERNATIONAL ENERGY CONSERVATION CODE  
 2010 ASHRAE 90.1 ENERGY STANDARDS FOR BUILDINGS  
 2002 NFPA 70 NATIONAL ELECTRICAL CODE  
 2003 INTERNATIONAL FIRE PREVENTION CODE  
 2003 INTERNATIONAL MECHANICAL CODE  
 2003 INTERNATIONAL FUEL GAS CODE  
 2014 ILLINOIS PLUMBING CODE  
 1997 ILLINOIS ACCESSIBILITY CODE  
 2010 DEPARTMENT OF JUSTICE ADA STANDARDS FOR ACCESSIBLE DESIGN  
 CURRENT EDITION, ASME A17.1 SAFETY CODE FOR ELEVATORS AND ESCALATORS
- BUILDING AREA AND HEIGHT SUMMARY:**
- |                         |           |
|-------------------------|-----------|
| FIRST FLOOR (GROSS):    | 45,461 SF |
| SECOND FLOOR (GROSS):   | 14,037 SF |
| TOTAL AREA, ALL FLOORS: | 59,498 SF |
| BUILDING HEIGHT:        | 2 STORES  |
- BUILDING CODE CLASSIFICATION:**
- MIXED USE NON-SEPARATED OCCUPANCY:  
 USE A-3 ASSEMBLY  
 USE A-4 ASSEMBLY  
 USE B BUSINESS  
 USE F-1 FACTORY (LAUNDRY)
  - CONSTRUCTION TYPE: 1B, FULLY SPRINKLERED
  - ALLOWABLE AREA AND HEIGHT PER USE (TABLE 503):
- USE GROUP A-3:**  
 BASE FLOOR AREA: UNLIMITED  
 AUTOMATIC SPRINKLER INCREASE, 200%: UNLIMITED  
 MAX. AREA PER FLOOR: UNLIMITED  
 BASE BUILDING HEIGHT: 11 STORES  
 AUTOMATIC SPRINKLER INCREASE: 1 STORY  
 MAX. BUILDING HEIGHT: 12 STORES
- USE GROUP A-4:**  
 BASE FLOOR AREA: UNLIMITED  
 AUTOMATIC SPRINKLER INCREASE, 200%: UNLIMITED  
 MAX. AREA PER FLOOR: UNLIMITED  
 BASE BUILDING HEIGHT: 11 STORES  
 AUTOMATIC SPRINKLER INCREASE: 1 STORY  
 MAX. BUILDING HEIGHT: 12 STORES
- USE GROUP B:**  
 BASE FLOOR AREA: UNLIMITED  
 AUTOMATIC SPRINKLER INCREASE, 200%: UNLIMITED  
 MAX. AREA PER FLOOR: UNLIMITED  
 BASE BUILDING HEIGHT: 11 STORES  
 AUTOMATIC SPRINKLER INCREASE: 1 STORY  
 MAX. BUILDING HEIGHT: 12 STORES
- USE GROUP F-1:**  
 BASE FLOOR AREA: UNLIMITED  
 AUTOMATIC SPRINKLER INCREASE, 200%: UNLIMITED  
 MAX. AREA PER FLOOR: UNLIMITED  
 BASE BUILDING HEIGHT: 11 STORES  
 AUTOMATIC SPRINKLER INCREASE: 1 STORY  
 MAX. BUILDING HEIGHT: 12 STORES
- FIRE RESISTANCE RATINGS, TYPE 1B CONSTRUCTION (TABLE 601):  
 STRUCTURAL FRAME: 2 HRS  
 EXTERIOR BEARING WALLS: 2 HRS  
 INTERIOR BEARING WALLS: 2 HRS  
 EXTERIOR NON-BEARING WALLS (TABLE 602): 1 HRS  
 BETWEEN 0 AND 30 FT. SEPARATION DISTANCE: 0 HRS  
 GREATER THAN 30 FT. SEPARATION DISTANCE: 0 HRS  
 INTERIOR NON-BEARING WALLS: 0 HRS  
 FLOOR CONSTRUCTION: 2 HRS  
 ROOF CONSTRUCTION: 1 HRS
  - FIRE-RESISTANCE RATED SEPARATIONS:  
 A. EXIT ACCESS COMPONENTS: 0 HR FIRE BARRIER  
 CORRIDORS (TABLE 101.1): 2 HR FIRE BARRIER  
 VERTICAL EXIT ENCLOSURES (707): 2 HR FIRE BARRIER  
 B. INCIDENTAL USE AREAS (PROVIDE RATINGS AS SHOWN ON PLAN)
  - EXIT ACCESS TRAVEL DISTANCES, WITH SPRINKLER SYSTEM (TABLE 1015.1):  
 USE A AND F: 200 FT.  
 USE B: 300 FT.
  - COMMON PATH OF EGRESS TRAVEL, WITH SPRINKLER SYSTEM (1013.3):  
 USE A: 75 FT.  
 USE A AND F: 100 FT.  
 USE B: 300 FT.
  - DEAD END CORRIDOR LENGTH, WITH SPRINKLER SYSTEM (1016.3):  
 USE A: 20 FT.  
 USE B AND F: 50 FT.



**1 LEVEL 1 - OCCUPANT LOAD AND EGRESS DIAGRAM**  
 1/16" = 1'-0"



**3 LEVEL 1 - GRADUATION DIAGRAM**  
 1/32" = 1'-0"



**2 LEVEL 1 - OCCUPANCY TYPES DIAGRAM**  
 1/32" = 1'-0"

**CODE COMPLIANCE PLAN SYMBOLS LEGEND:**

NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

**ROOM OCCUPANT LOAD**

- FUNCTION OF SPACE
- ROOM OR AREA SQUARE FOOTAGE
- ASTERISK INDICATES REQUIREMENT TO POST A ROOM OCCUPANT LOAD PLACARD
- SQUARE FOOTAGE PER OCCUPANT
- MAXIMUM OCCUPANT LOAD PER DESIGN
- OCCUPANT LOAD AND ASSIGNED EXIT DISCHARGE

**EXIT ACCESS TRAVEL DISTANCE**

- TRAVEL DISTANCE TO NEAREST EXIT ACCESS
- LINE TYPE DENOTES COMMON PATH OF EGRESS TRAVEL
- TRAVEL DISTANCE ON COMMON PATH OF EGRESS
- DENOTES END OF COMMON PATH OF EGRESS TRAVEL
- DENOTES DIRECTION OF ALTERNATE PATH OF EGRESS
- EXIT DISCHARGE

**EXIT OCCUPANT LOAD**

- EXIT DISCHARGE NUMBER
- ACTUAL OCCUPANT LOAD PER DESIGN
- MAXIMUM OCCUPANT LOAD PER DESIGN

**EXIT SIGNS**

- SOLID HATCH DENOTES EXIT SIGN FACE PLATE
- DIRECTION OF EGRESS
- EXIT SIGN, WALL MOUNTED

**FIRE-RESISTANCE RATED SEPARATION TYPES**  
 \*SEE WALL TYPES FOR CONSTRUCTION REQUIREMENTS

X (FW)	FIRE WALL	X (HA)	HORIZ. ASSEMBLY
X (FB)	FIRE BARRIER	X (SH)	SHAFT ENCLOSURE
X (FP)	FIRE PARTITION	X (SB)	SMOKE BARRIER

(X = WALL RATING)

- SMOKE PARTITION
- 1 HR FIRE-RESISTANCE-RATED CONSTRUCTION
- 2 HR FIRE-RESISTANCE-RATED CONSTRUCTION
- 3 HR FIRE-RESISTANCE-RATED CONSTRUCTION
- 4 HR FIRE-RESISTANCE-RATED CONSTRUCTION

**DEVICES**

○ FE	WALL-MOUNTED FIRE EXTINGUISHER
□ FEC	RECESSED FIRE EXTINGUISHER CABINET
ANP	FIRE ALARM ANNUNCIATOR PANEL
F	FIRE ALARM PULL STATION, WALL MOUNTED
A	FIRE ALARM AUDIO-VISUAL DEVICE, WALL MOUNTED
V	FIRE ALARM VISUAL DEVICE, WALL MOUNTED
A	FIRE ALARM AUDIO-VISUAL DEVICE, CEILING MOUNTED
V	FIRE ALARM VISUAL DEVICE, CEILING MOUNTED

**OCCUPANCY CLASSIFICATION LEGEND:**

[Hatched Pattern]	A-3 ASSEMBLY
[Hatched Pattern]	A-4 ASSEMBLY
[Hatched Pattern]	B BUSINESS
[Hatched Pattern]	F-1 FACTORY

**PLUMBING FIXTURE COUNT:**

1. NUMBER OF OCCUPANTS, ACTUAL:	4800			
2. NUMBER OF OCCUPANTS, PER SEX:	2400			
3. BUILDING TYPE:	ASSEMBLY (AUDITORIUM)			
FIXTURE TYPE	QUANTITY			
	REQUIRED	CURRENTLY PROVIDED	WOMEN	MEN
LAVATORIES	8	8	12	12
WATER CLOSETS	20	8	23	11
URINALS	-	10	-	12
DRINKING FOUNTAINS	3	-	-	4
SERVICE SINKS	1 PER FLOOR	-	-	1 PER SET OF PUBLIC TOILET ROOMS





ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2  
 CODE PLAN**

SHEET NUMBER:  
**AC1.21**

7/20/2015 10:53:53 AM

**CODE COMPLIANCE NOTES:**

**APPLICABLE CODES:**  
 2003 INTERNATIONAL BUILDING CODE;  
 2012 INTERNATIONAL ENERGY CONSERVATION CODE;  
 2010 ASHRAE 91.1 ENERGY STANDARDS FOR BUILDINGS;  
 2002 NFPA 70 NATIONAL ELECTRICAL CODE;  
 2003 INTERNATIONAL FIRE PREVENTION CODE;  
 2003 INTERNATIONAL MECHANICAL CODE;  
 2003 INTERNATIONAL FUEL GAS CODE;  
 2014 ILLINOIS PLUMBING CODE;  
 1997 ILLINOIS ACCESSIBILITY CODE;  
 2010 DEPARTMENT OF JUSTICE ADA STANDARDS FOR ACCESSIBLE DESIGN;  
 CURRENT EDITION, ASME A17.1 SAFETY CODE FOR ELEVATORS AND ESCALATORS;

**BUILDING AREA AND HEIGHT SUMMARY:**

FIRST FLOOR (GROSS):	65,461 SF
SECOND FLOOR (GROSS):	14,037 SF
TOTAL AREA ALL FLOORS:	79,498 SF
BUILDING HEIGHT:	2 STORIES

**BUILDING CODE CLASSIFICATION:**

- MIXED USE NON-SEPARATED OCCUPANCY:  
 USE A-3 ASSEMBLY  
 USE B BUSINESS  
 USE F-1 FACTORY (LAUNDRY)
- CONSTRUCTION TYPE: 1B, FULLY SPRINKLERED
- ALLOWABLE AREA AND HEIGHT PER USE (TABLE 503):

**USE GROUP A-3:**  
 BASE FLOOR AREA: UNLIMITED  
 AUTOMATIC SPRINKLER INCREASE, 200%: UNLIMITED  
 MAX. AREA PER FLOOR: UNLIMITED  
 BASE BUILDING HEIGHT: 11 STORIES  
 AUTOMATIC SPRINKLER INCREASE: 12 STORIES  
 MAX. BUILDING HEIGHT:

**USE GROUP A-4:**  
 BASE FLOOR AREA: UNLIMITED  
 AUTOMATIC SPRINKLER INCREASE, 200%: UNLIMITED  
 MAX. AREA PER FLOOR: UNLIMITED  
 BASE BUILDING HEIGHT: 11 STORIES  
 AUTOMATIC SPRINKLER INCREASE: 1 STORY  
 MAX. BUILDING HEIGHT: 12 STORIES

**USE GROUP B:**  
 BASE FLOOR AREA: UNLIMITED  
 AUTOMATIC SPRINKLER INCREASE, 200%: UNLIMITED  
 MAX. AREA PER FLOOR: UNLIMITED  
 BASE BUILDING HEIGHT: 11 STORIES  
 AUTOMATIC SPRINKLER INCREASE: 1 STORY  
 MAX. BUILDING HEIGHT: 12 STORIES

**USE GROUP F-1:**  
 BASE FLOOR AREA: UNLIMITED  
 AUTOMATIC SPRINKLER INCREASE, 200%: UNLIMITED  
 MAX. AREA PER FLOOR: UNLIMITED  
 BASE BUILDING HEIGHT: 11 STORIES  
 AUTOMATIC SPRINKLER INCREASE: 1 STORY  
 MAX. BUILDING HEIGHT: 12 STORIES

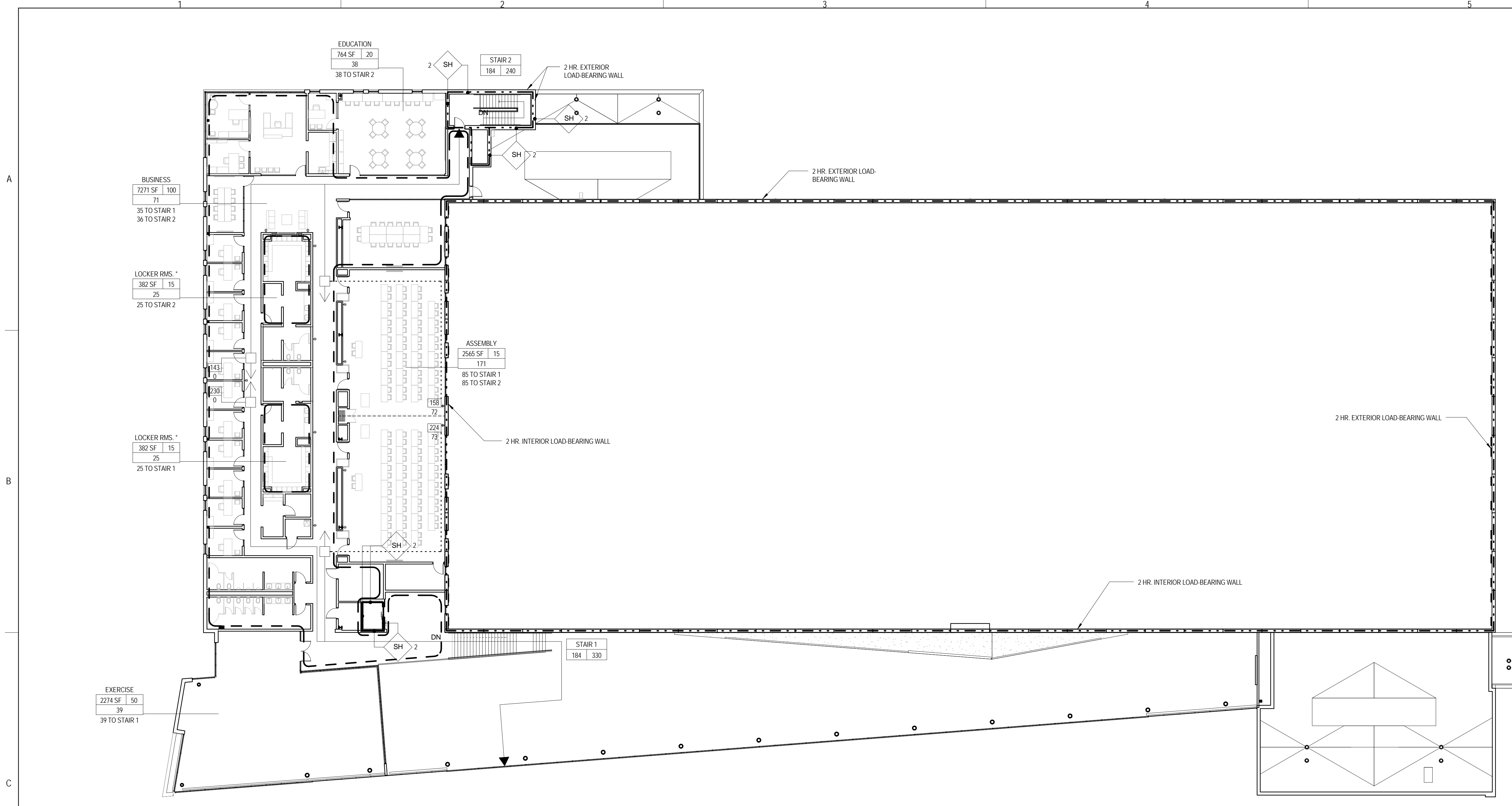
- FIRE RESISTANCE RATINGS, TYPE 1B CONSTRUCTION (TABLE 601):**  
 STRUCTURAL FRAME: 2 HRS  
 EXTERIOR BEARING WALLS: 2 HRS  
 INTERIOR BEARING WALLS: 2 HRS  
 EXTERIOR NON-BEARING WALLS (TABLE 602):  
 BETWEEN 8 AND 30 FT. SEPARATION DISTANCE: 1 HRS  
 GREATER THAN 30 FT. SEPARATION DISTANCE: 0 HRS  
 INTERIOR NON-BEARING WALLS: 0 HRS  
 FLOOR CONSTRUCTION: 2 HRS  
 ROOF CONSTRUCTION: 1 HRS

- FIRE RESISTANCE RATED SEPARATIONS:**  
 A. EXIT ACCESS COMPONENTS  
 CORRIDORS (TABLE 1014.1): 0 HR FIRE BARRIER  
 VERTICAL EXIT ENCLOSURES (707): 2 HR FIRE BARRIER  
 B. INCIDENTAL USE AREAS (PROVIDE RATINGS AS SHOWN ON PLAN)

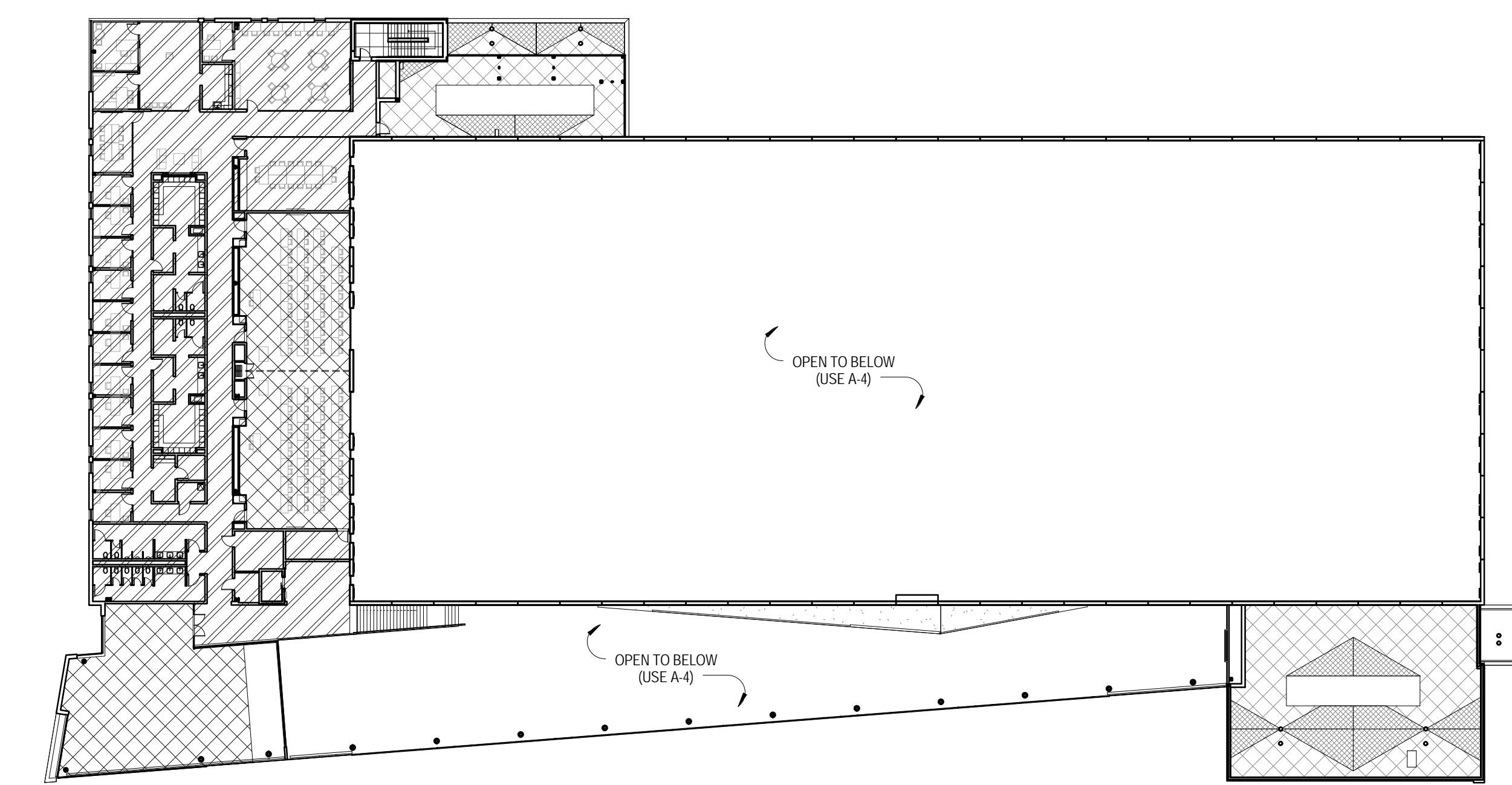
- EXIT ACCESS TRAVEL DISTANCES, WITH SPRINKLER SYSTEM (TABLE 1015.1):**  
 USE A AND F: 250 FT.  
 USE B: 300 FT.

- COMMON PATH OF EGRESS TRAVEL, WITH SPRINKLER SYSTEM (1016.3):**  
 USE A: 75 FT.  
 USE B AND F: 100 FT.

- DEAD END CORRIDOR LENGTH, WITH SPRINKLER SYSTEM (1016.3):**  
 USE A: 20 FT.  
 USE B AND F: 50 FT.

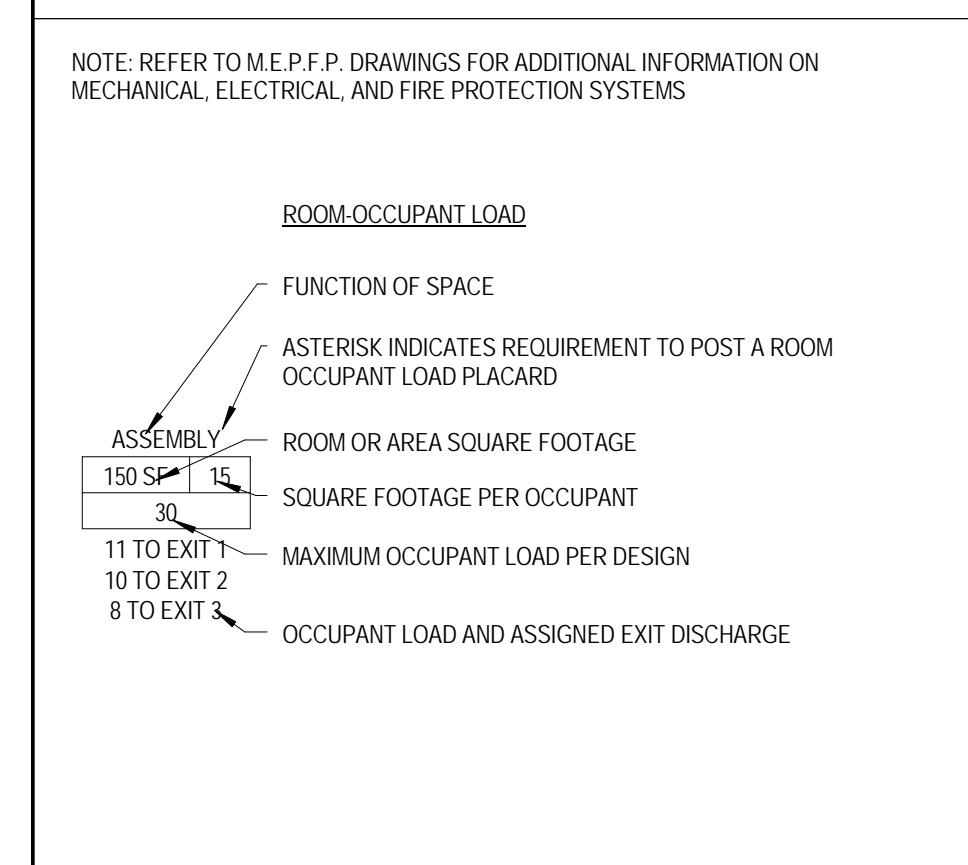


**1 LEVEL 2 - OCCUPANT LOAD AND EGRESS DIAGRAM**  
 1/16" = 1'-0"

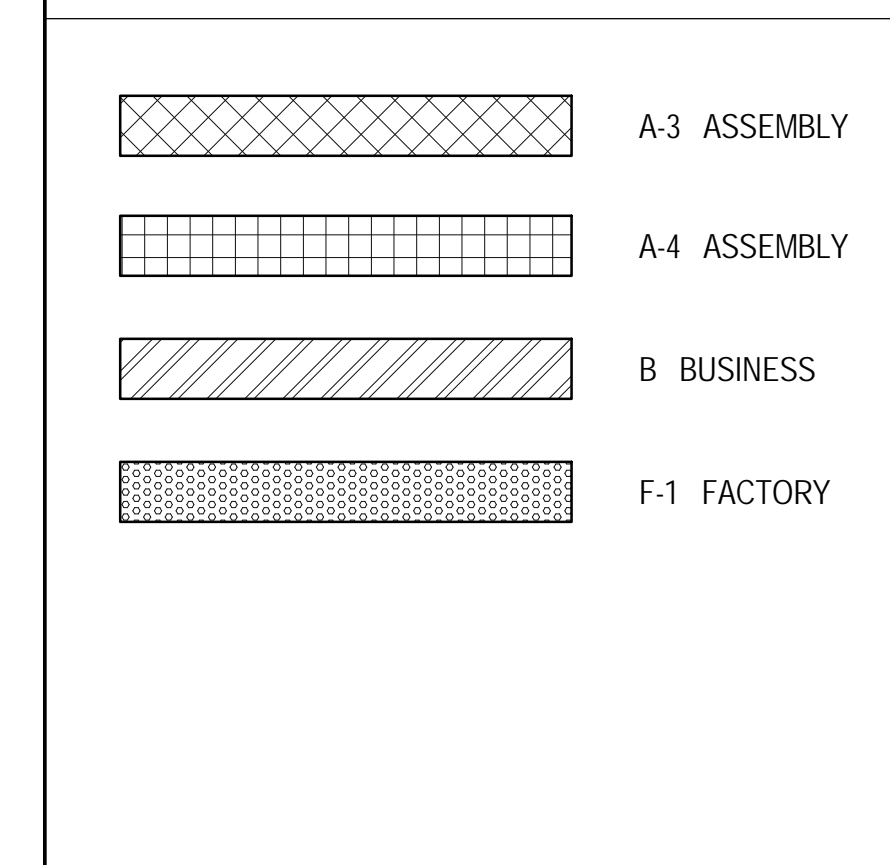


**2 LEVEL 2 - OCCUPANCY TYPES DIAGRAM**  
 1/32" = 1'-0"

**CODE COMPLIANCE PLAN SYMBOLS LEGEND:**



**OCCUPANCY CLASSIFICATION LEGEND:**



**PLUMBING FIXTURE COUNT:**

1. NUMBER OF OCCUPANTS, ACTUAL:	4800			
2. NUMBER OF OCCUPANTS, PER SEX:	2400			
3. BUILDING TYPE:	ASSEMBLY (AUDITORIUM)			
FIXTURE TYPE	QUANTITY			
	REQUIRED	CURRENTLY PROVIDED	REQUIRED	CURRENTLY PROVIDED
	WOMEN	MEN	WOMEN	MEN
LAVATORIES	8	8	12	12
WATER CLOSETS	20	8	23	11
URINALS	-	10	-	12
DRINKING FOUNTAINS	3		4	
SERVICE SINKS	1 PER FLOOR		1 PER SET OF PUBLIC TOILET ROOMS	





ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 07/17/15

**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

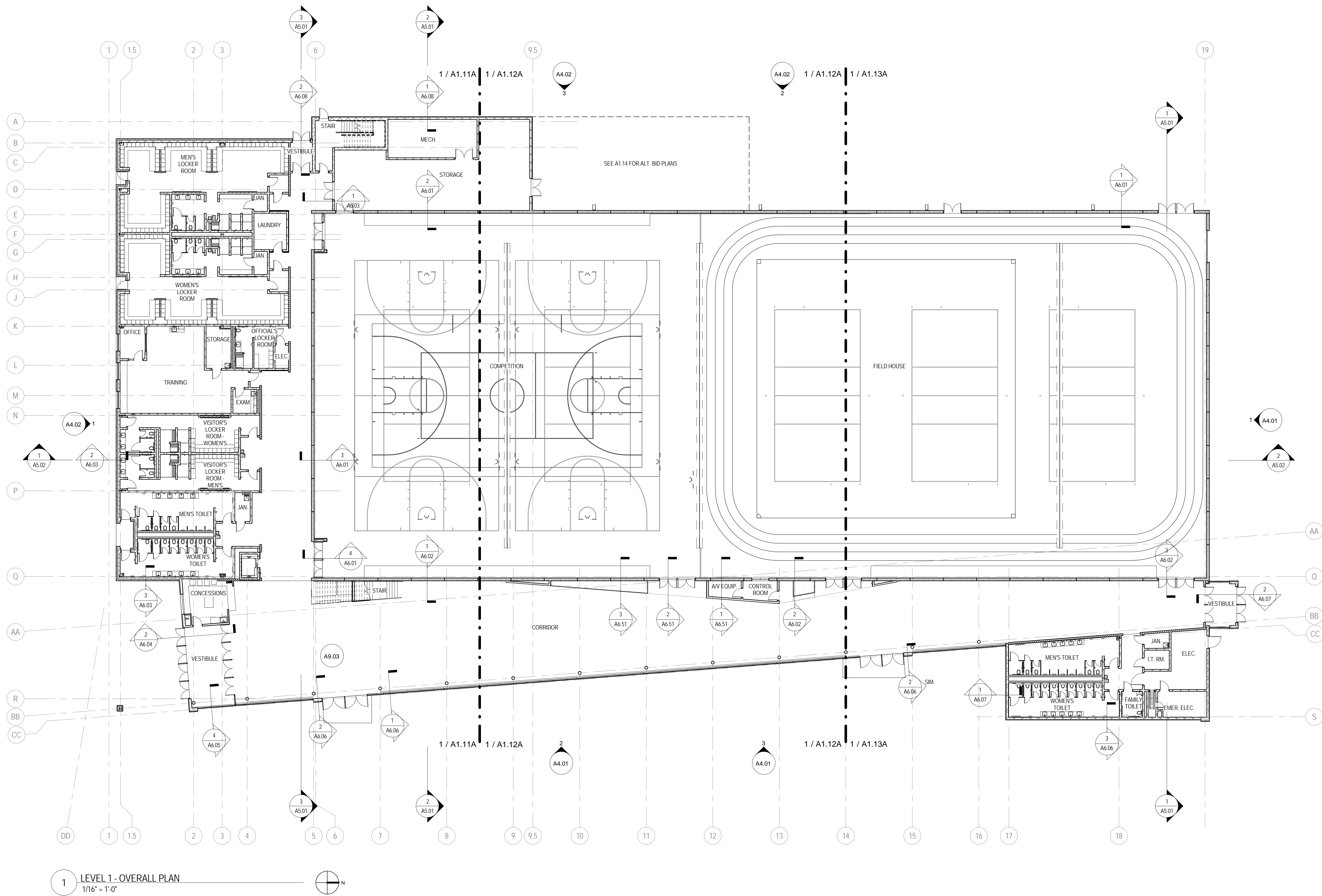
SHEET TITLE:

**LEVEL 1  
 OVERALL PLAN**

SHEET NUMBER:

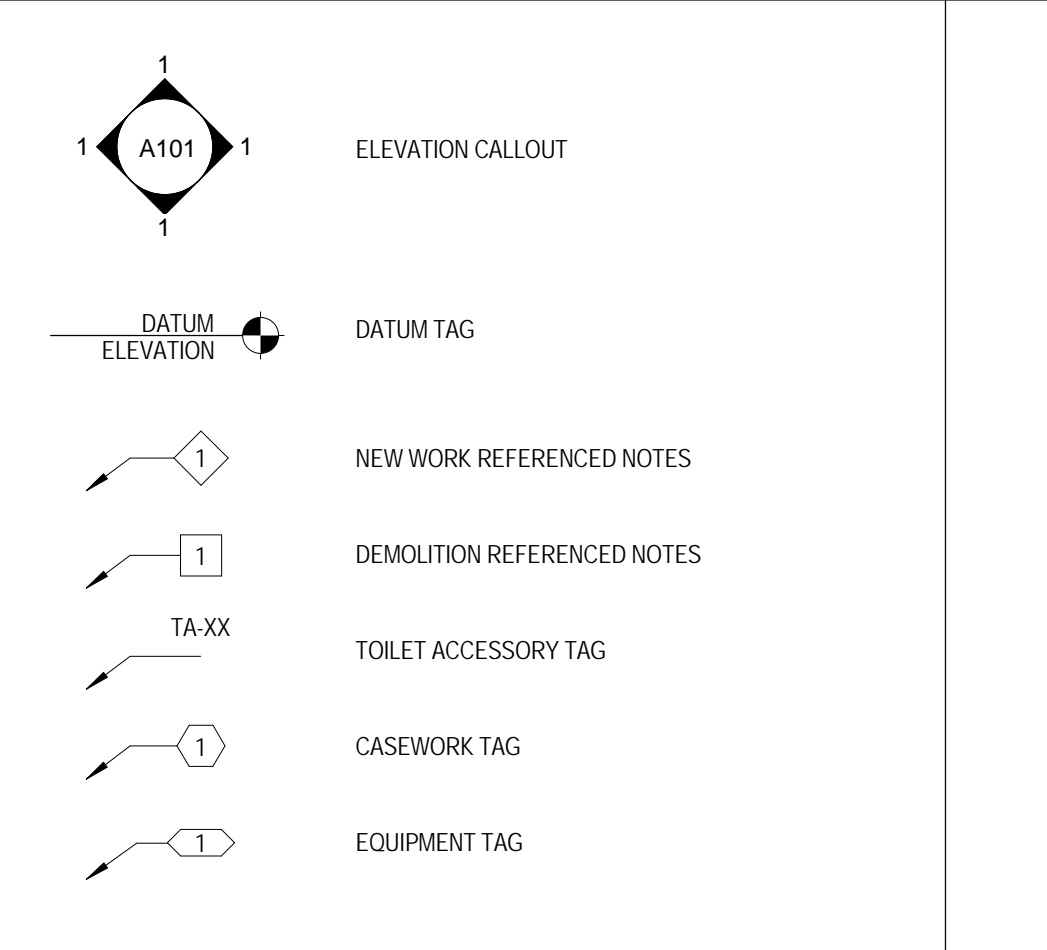
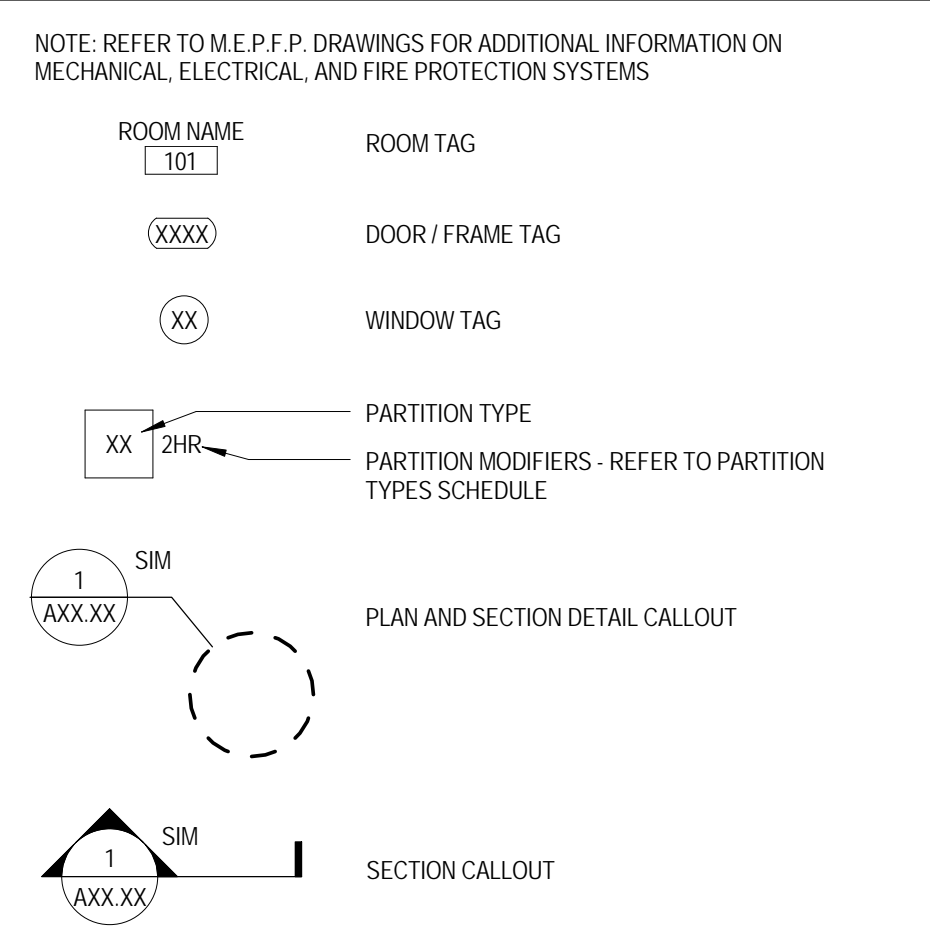
**A1.10**

7/20/2015 10:41:02 AM



**1 LEVEL 1 - OVERALL PLAN**  
 1/16" = 1'-0"

**FLOOR PLAN & SECTION SYMBOLS LEGEND:**



**FLOOR PLAN GENERAL NOTES:**

- ALL INTERIOR CMU PARTITIONS ARE TYPE M1C UNLESS NOTED OTHERWISE.
- ALL INTERIOR GYPSUM BOARD PARTITIONS ARE TYPE 510 UNLESS NOTED OTHERWISE.
- FINISH FLOOR ELEVATION OF 0'-0" XXXX USGS AS NOTED ON SHEET C-X.XX.
- ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION OF 0'-0". REFER TO CIVIL DRAWINGS FOR COORDINATING USGS ELEVATION.
- REFER TO CODE PLANS ON SHEETS A0-XX THRU A0-XX FOR FIRE RATINGS AND AREA SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.
- DO NOT SCALE DRAWINGS.
- NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO WORK COMMENCING.
- NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF EXISTING CONDITIONS AND IN-FIELD DIMENSIONS PRIOR TO COMMENCING WORK.
- ALL INTERIOR DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS NOTED OTHERWISE.
- PROVIDE ACCESS PANELS AT LOCATIONS INDICATED AND AS REQUIRED FOR ACCESS TO EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, MECHANICAL, PLUMBING AND ELECTRICAL WORK. PAINT ACCESS PANELS TO MATCH ADJACENT WALL OR CEILING FINISH.
- REFER TO A10.00 FOR PARTITION SCHEDULE.
- REFER TO EXTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR CONSTRUCTION OF EXTERIOR WALLS.

**FLOOR PLAN REFERENCED NOTES:**

- OPERABLE PARTITION
- DIVIDER CURTAIN
- CEILING MOUNTED BASKETBALL BACKBOARD
- PROVIDE BLACK PAINT FINISH AT METAL FILLER PANELS AT ENDS/CORNERS, AND AT SLOPED LOCKER TOPS.
- METAL LOCKERS WITHOUT HATCH INFILL TO BE BLACK PAINT FINISH. METAL LOCKERS WITH HATCH INFILL TO BE CUSTOM GRAY PAINT FINISH. LOCKERS WITH 'A' DESIGNATION TO BE ADA TYPE.
- PROVIDE TOILET ACCESSORY TA-5A.
- PROVIDE TWO FRAMELESS MIRRORS AT 48" W X 72" H.
- GROUND FACE CMU - COLOR 1.
- GROUND FACE CMU - COLOR 2.
- GROUND FACE CMU - COLOR 3.
- HYDROTHERAPY TUB N.I.C.
- TELESOPING BLEACHER.
- DIVIDER CURTAIN, TYPE A.
- DIVIDER CURTAIN, TYPE B.
- VOLLEYBALL FLOOR SLEEVE - COORDINATE THICKENED SLAB REQUIREMENTS WITH MANUFACTURER.
- PAINT ALL WALLS P-1 FLOORING TO BE SEALED CONCRETE. REFER TO FINISH LEGEND FOR FINISH DESIGNATIONS.
- CONTROL JOINT IN GYP. BD. FACE (TYP.) - ALIGN WITH CONTROL JOINT ON VERTICAL FACE OF GYP. BD. PARTITION.
- SLOPE SURFACE OF ZINC COMPOSITE PANEL AT 1/4" PER FOOT.
- PROVIDE SINGLE-TIER WOOD LOCKERS. LOCKERS WITH 'A' DESIGNATION TO BE ADA TYPE.





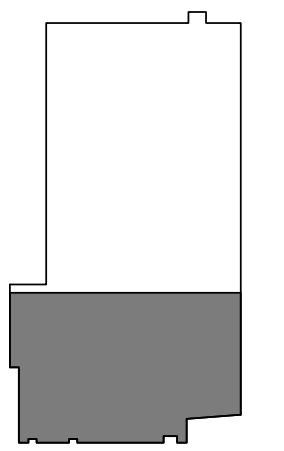
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

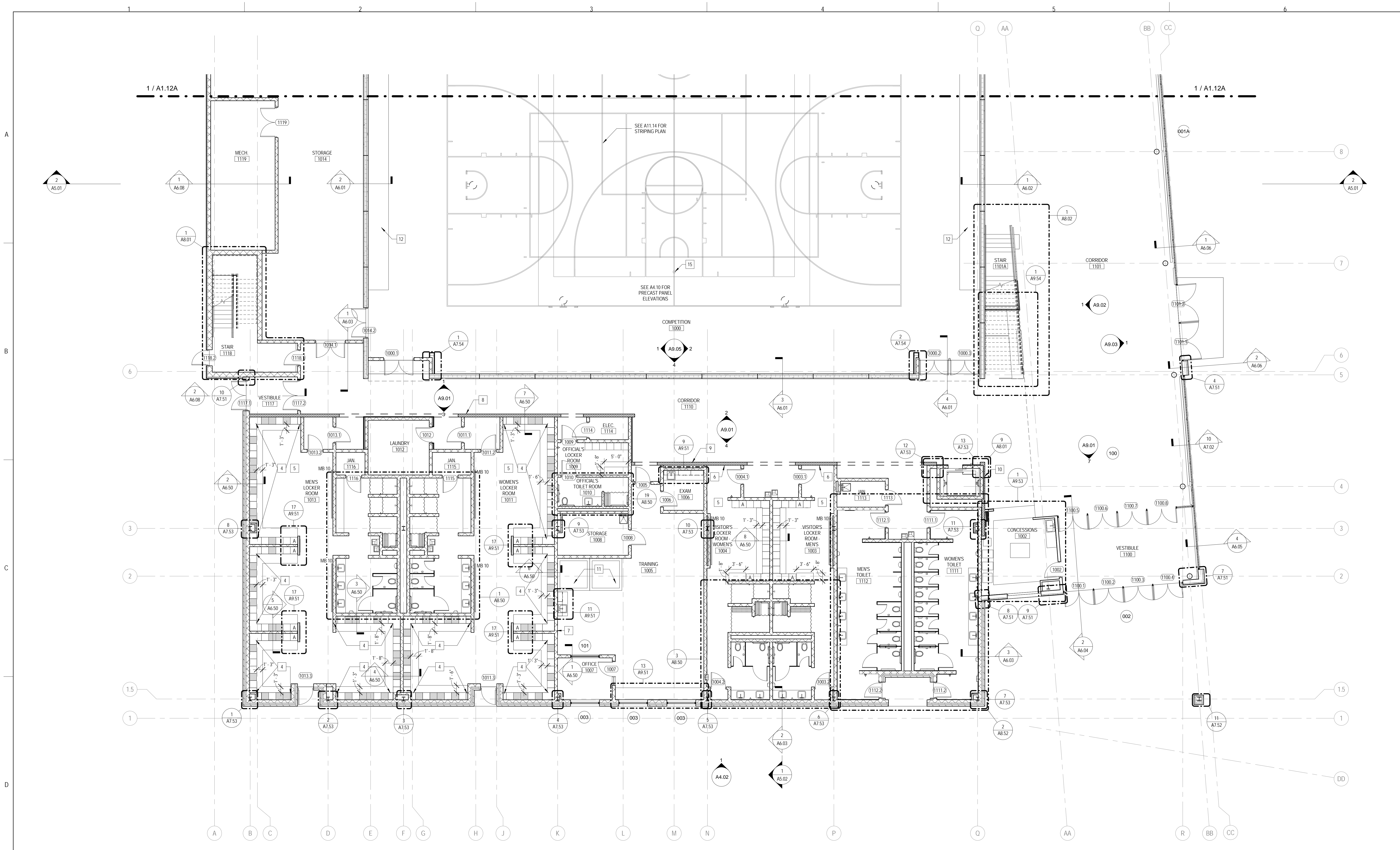


SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1 PLAN  
 AREA 1**

SHEET NUMBER:  
**A1.11A**



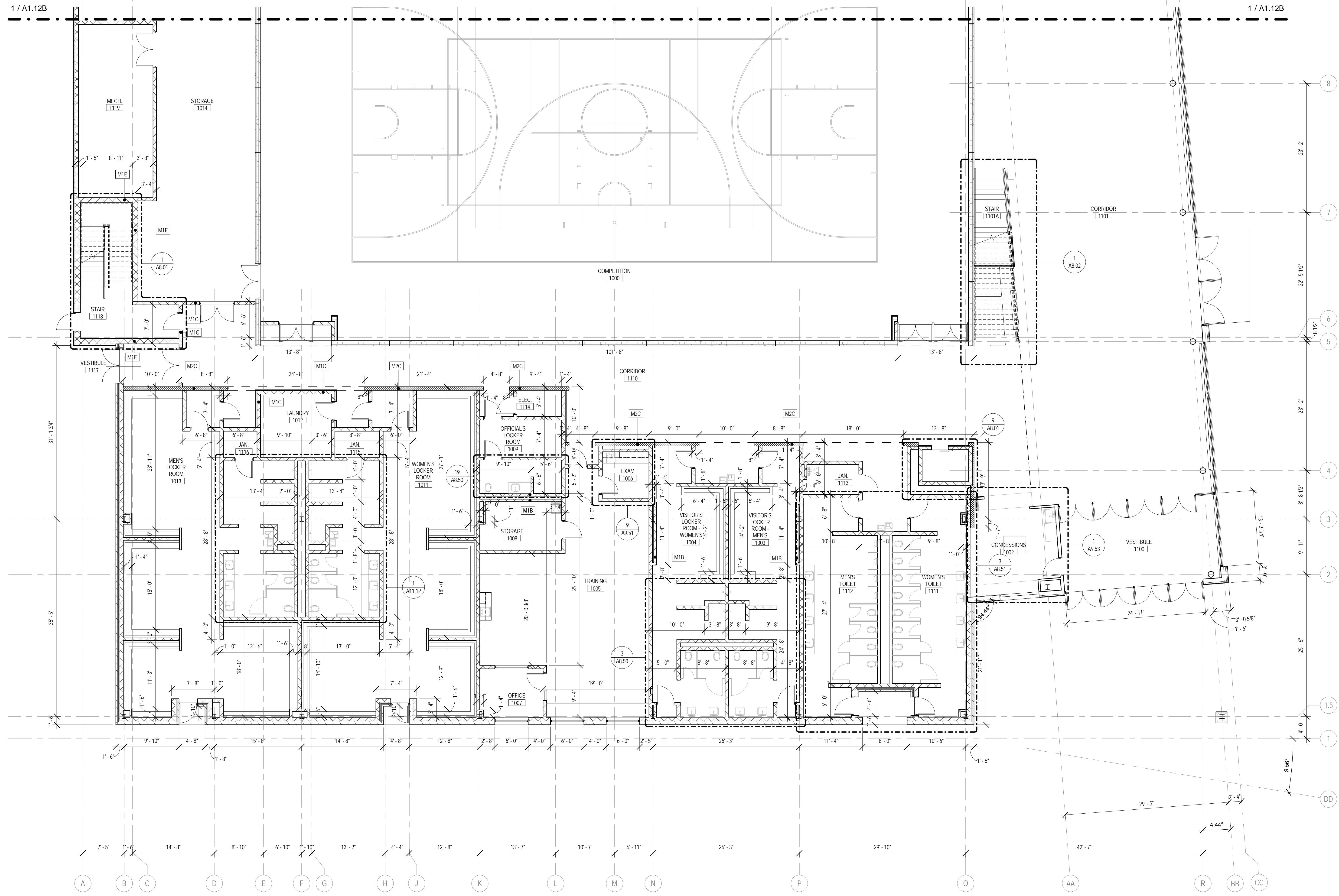
**1 LEVEL 1 - AREA 1 PLAN**  
 1/8" = 1'-0"

FLOOR PLAN & SECTION SYMBOLS LEGEND:	
NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS	
ROOM NAME 101	ROOM TAG
XXXX	DOOR / FRAME TAG
XX	WINDOW TAG
XX 2HR	PARTITION TYPE
XX 2HR	PARTITION MODIFIERS - REFER TO PARTITION TYPES SCHEDULE
1 XXXX	PLAN AND SECTION DETAIL CALLOUT
1 XXXX	SECTION CALLOUT
A101	ELEVATION CALLOUT
DATUM ELEVATION	DATUM TAG
1	NEW WORK REFERENCED NOTES
TA-XX	TOILET ACCESSORY TAG
1	CASEWORK TAG
1	EQUIPMENT TAG

FLOOR PLAN GENERAL NOTES:	
1. ALL INTERIOR CMU PARTITIONS ARE TYPE M/C UNLESS NOTED OTHERWISE.	
2. ALL INTERIOR GYPSUM BOARD PARTITIONS ARE TYPE S18 UNLESS NOTED OTHERWISE.	
3. FINISH FLOOR ELEVATION OF 0'-0" - XXXX USGS AS NOTED ON SHEET C-X-XX.	
4. ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION OF 0'-0". REFER TO CIVIL DRAWINGS FOR COORDINATING USGS ELEVATION.	
5. REFER TO CODE PLANS ON SHEETS A0-XX THRU A0-XX FOR FIRE RATINGS AND AREA SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.	
6. DO NOT SCALE DRAWINGS.	
7. NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO WORK COMMENCING.	
8. NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.	
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF EXISTING CONDITIONS AND IN-FIELD DIMENSIONS PRIOR TO COMMENCING WORK.	
10. ALL INTERIOR DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS NOTED OTHERWISE.	
11. PROVIDE ACCESS PANELS AT LOCATIONS INDICATED AND AS REQUIRED FOR ACCESS TO EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, MECHANICAL, PLUMBING AND ELECTRICAL WORK. PAINT ACCESS PANELS TO MATCH ADJACENT WALL OR CEILING FINISH.	
12. REFER TO A10.00 FOR PARTITION SCHEDULE.	
13. REFER TO EXTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR CONSTRUCTION OF EXTERIOR WALLS.	

FLOOR PLAN REFERENCED NOTES:	
1. OPERABLE PARTITION	
2. DIVIDER CURTAIN	
3. CEILING MOUNTED BASKETBALL BACKBOARD	
4. PROVIDE BLACK PAINT FINISH AT METAL FILLER PANELS AT ENDS/CORNERS, AND AT SLOPED LOCKER TOPS.	
5. METAL LOCKERS WITHOUT HATCH INFILL TO BE BLACK PAINT FINISH METAL LOCKERS WITH HATCH INFILL TO BE CUSTOM GRAY PAINT FINISH. LOCKERS WITH HATCH INFILL TO BE ADA TYPE.	
6. PROVIDE TOILET ACCESSORY TA-5A	
7. PROVIDE TWO FRAMELESS MIRRORS AT 48"W X 72"H.	
8. GROUND FACE CMU - COLOR 1	
9. GROUND FACE CMU - COLOR 2	
10. GROUND FACE CMU - COLOR 3	
11. HYDROTHERAPY TUB, N/C	
12. TELESCOPING BLEACHER.	
13. DIVIDER CURTAIN, TYPE A	
14. DIVIDER CURTAIN, TYPE B	
15. VOLLEYBALL FLOOR SLEEVE - COORDINATE THICKENED SLAB REQUIREMENTS WITH MANUFACTURER.	
16. PAINT ALL WALLS P-1 FLOORING TO BE SEALED CONCRETE. REFER TO FINISH LEGEND FOR FINISH DESIGNATIONS.	
17. CONTROL JOINT IN GYP. BD. FACE (TYP.) - ALIGN WITH CONTROL JOINT ON VERTICAL FACE OF GYP. BD. PARTITION.	
18. SLOPE SURFACE OF ZINC COMPOSITE PANEL AT 1/4" PER FOOT.	
19. PROVIDE SINGLE-TIER WOOD LOCKERS. LOCKERS WITH 'A' DESIGNATION TO BE ADA TYPE.	





**1 LEVEL 1 - AREA 1 DIMENSION PLAN**  
 1/8" = 1'-0"

**FLOOR PLAN & SECTION SYMBOLS LEGEND:**

NOTE: REFER TO M.E.P.F. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS		ELEVATION CALLOUT	
ROOM NAME TAG	ROOM TAG	DATUM ELEVATION	DATUM TAG
DOOR / FRAME TAG	WINDOW TAG	NEW WORK REFERENCED NOTES	DEMOLITION REFERENCED NOTES
PARTITION TYPE	PARTITION MODIFIERS - REFER TO PARTITION TYPES SCHEDULE	TOILET ACCESSORY TAG	CASEWORK TAG
PLAN AND SECTION DETAIL CALLOUT		EQUIPMENT TAG	
SECTION CALLOUT			

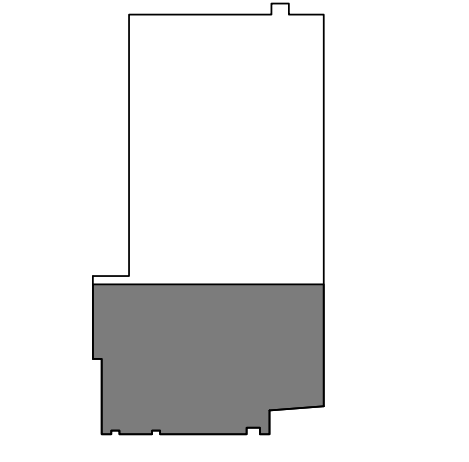
**FLOOR PLAN GENERAL NOTES:**

- ALL INTERIOR CMU PARTITIONS ARE TYPE M1C UNLESS NOTED OTHERWISE.
- ALL INTERIOR GYPSUM BOARD PARTITIONS ARE TYPE S1B UNLESS NOTED OTHERWISE.
- FINISH FLOOR ELEVATION OF 0'-0" - XXX'X' USGS AS NOTED ON SHEET C-XXX.
- ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION OF 0'-0". REFER TO CIVIL DRAWINGS FOR COORDINATING USGS ELEVATION.
- REFER TO CODE PLANS ON SHEETS A0-XX THRU A0-XX FOR FIRE RATINGS AND AREA SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.
- DO NOT SCALE DRAWINGS.
- NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO WORK COMMENCING.
- NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF EXISTING CONDITIONS AND IN-FIELD DIMENSIONS PRIOR TO COMMENCING WORK.
- ALL INTERIOR DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS NOTED OTHERWISE.
- PROVIDE ACCESS PANELS AT LOCATIONS INDICATED AND AS REQUIRED FOR ACCESS TO EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, MECHANICAL, PLUMBING AND ELECTRICAL WORK. PAINT ACCESS PANELS TO MATCH ADJACENT WALL OR CEILING FINISH.
- REFER TO A10.00 FOR PARTITION SCHEDULE.
- REFER TO EXTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR CONSTRUCTION OF EXTERIOR WALLS.

**FLOOR PLAN REFERENCED NOTES:**

- OPERABLE PARTITION
- DIVIDER CURTAIN
- CEILING MOUNTED BASKETBALL BACKBOARD
- PROVIDE BLACK PAINT FINISH AT METAL FILLER PANELS AT ENDCORNERS, AND AT SLOPED LOCKER TOPS.
- METAL LOCKERS WITHOUT HATCH INFILL TO BE BLACK PAINT FINISH METAL LOCKERS WITH HATCH INFILL TO BE CUSTOM GRAY PAINT FINISH LOCKERS WITH 'A' DESIGNATION TO BE ADA TYPE.
- PROVIDE TOILET ACCESSORY TAGS.
- PROVIDE TWO FRAMELESS MIRRORS AT 48"W X 72"H.
- GROUND FACE CMU - COLOR 1.
- GROUND FACE CMU - COLOR 2.
- GROUND FACE CMU - COLOR 3.
- HYDROTHERAPY TUB, N.I.C.
- TELESCOPING BLEACHER.
- DIVIDER CURTAIN, TYPE A.
- DIVIDER CURTAIN, TYPE B.
- VOLLEYBALL FLOOR SLEEVE - COORDINATE THICKENED SLAB REQUIREMENTS WITH MANUFACTURER.
- PAINT ALL WALLS P-1. FLOORING TO BE SEALED CONCRETE. REFER TO FINISH LEGEND FOR FINISH DESIGNATIONS.
- CONTROL JOINT IN GYP. BD. FACE (TYP.) - ALIGN WITH CONTROL JOINT ON VERTICAL FACE OF GYP. BD. PARTITION.
- SLOPE SURFACE OF ZINC COMPOSITE PANEL AT 1/4" PER FOOT.
- PROVIDE SINGLE-TIER WOOD LOCKERS, LOCKERS WITH 'A' DESIGNATION TO BE ADA TYPE.

**KEY PLAN:**



SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1  
 DIMENSION PLAN  
 AREA 1**

SHEET NUMBER:  
**A1.11B**





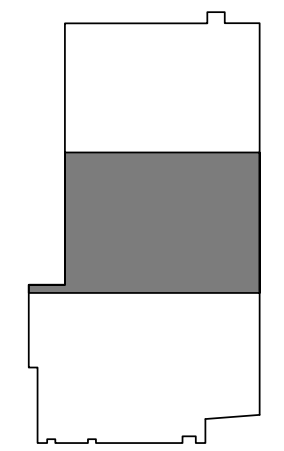
ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 07/17/15

**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

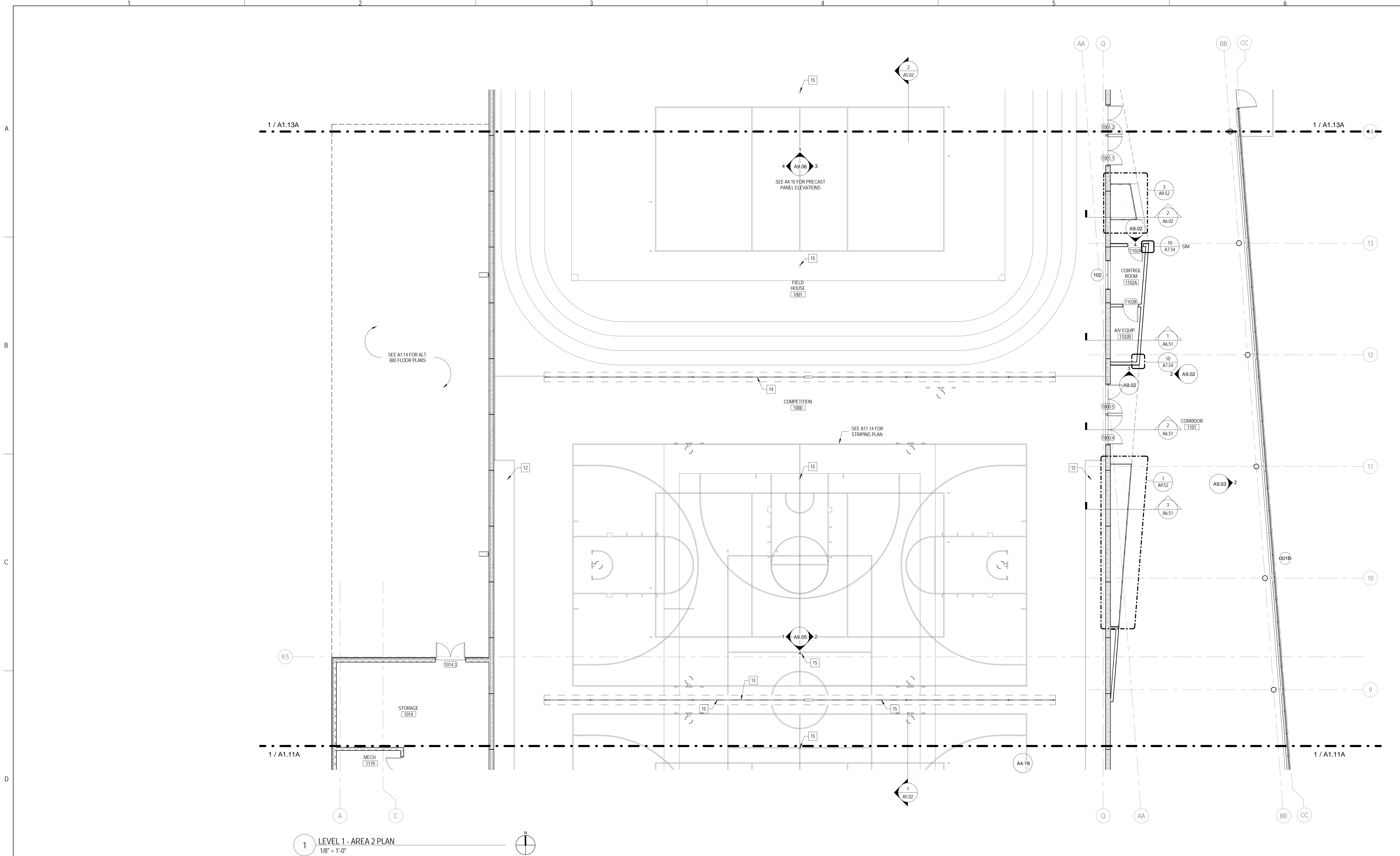
SHEET TITLE:

**LEVEL 1 PLAN  
 AREA 2**

SHEET NUMBER:

**A1.12A**

7/20/2015 10:41:21 AM



**1 LEVEL 1 - AREA 2 PLAN**  
 1/8" = 1'-0"

**FLOOR PLAN & SECTION SYMBOLS LEGEND:**

NOTE: REFER TO M.E.P.F.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

	ROOM NAME		ELEVATION CALLOUT
	DOOR / FRAME TAG		DATUM TAG
	WINDOW TAG		NEW WORK REFERENCED NOTES
	PARTITION TYPE		DEMOLITION REFERENCED NOTES
	PARTITION MODIFIERS - REFER TO PARTITION TYPES SCHEDULE		TOILET ACCESSORY TAG
	PLAN AND SECTION DETAIL CALLOUT		CASEWORK TAG
	SECTION CALLOUT		EQUIPMENT TAG

**FLOOR PLAN GENERAL NOTES:**

- ALL INTERIOR CMU PARTITIONS ARE TYPE M1C UNLESS NOTED OTHERWISE.
- ALL INTERIOR GYPSUM BOARD PARTITIONS ARE TYPE S1B UNLESS NOTED OTHERWISE.
- FINISH FLOOR ELEVATION OF 0'-0" = XXX' USGS AS NOTED ON SHEET C-X-XX.
- ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION OF 0'-0". REFER TO CIVIL DRAWINGS FOR COORDINATING USGS ELEVATION.
- REFER TO CODE PLANS ON SHEETS A0-XX THRU A0-XX FOR FIRE RATINGS AND AREA SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.
- DO NOT SCALE DRAWINGS.
- NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO WORK COMMENCING.
- NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF EXISTING CONDITIONS AND IN-FIELD DIMENSIONS PRIOR TO COMMENCING WORK.
- ALL INTERIOR DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS NOTED OTHERWISE.
- PROVIDE ACCESS PANELS AT LOCATIONS INDICATED AND AS REQUIRED FOR ACCESS TO EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, MECHANICAL, PLUMBING AND ELECTRICAL WORK. PAINT ACCESS PANELS TO MATCH ADJACENT WALL OR CEILING FINISH.
- REFER TO A10.00 FOR PARTITION SCHEDULE.
- REFER TO EXTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR CONSTRUCTION OF EXTERIOR WALLS.

**FLOOR PLAN REFERENCED NOTES:**

- OPERABLE PARTITION
- DIVIDER CURTAIN
- CEILING MOUNTED BASKETBALL BACKBOARD
- PROVIDE BLACK PAINT FINISH AT METAL FILLER PANELS AT ENDS/CORNERS, AND AT SLOPED LOCKER TOPS.
- METAL LOCKERS WITHOUT HATCH INFILL TO BE BLACK PAINT FINISH METAL LOCKERS WITH HATCH INFILL TO BE CUSTOM GRAY PAINT FINISH LOCKERS WITH 'A' DESIGNATION TO BE ADA TYPE.
- PROVIDE TOILET ACCESSORY TA-5A.
- PROVIDE TWO FRAMELESS MIRRORS AT 48"W X 72"H.
- GROUND FACE CMU - COLOR 1.
- GROUND FACE CMU - COLOR 2.
- GROUND FACE CMU - COLOR 3.
- HYDROTHERAPY TUB, N.I.C.
- TELESCOPING BLEACHER
- DIVIDER CURTAIN, TYPE A
- DIVIDER CURTAIN, TYPE B
- VOLLEYBALL FLOOR SLEEVE - COORDINATE THICKENED SLAB REQUIREMENTS WITH MANUFACTURER
- PAINT ALL WALLS P-1 FLOORING TO BE SEALED CONCRETE. REFER TO FINISH LEGEND FOR FINISH DESIGNATIONS.
- CONTROL JOINT IN GYP. BD. FACE TYPE - ALIGN WITH CONTROL JOINT ON VERTICAL FACE OF GYP. BD. PARTITION
- SLOPE SURFACE OF ZINC COMPOSITE PANEL AT 1/4" PER FOOT.
- PROVIDE SINGLE-TIER WOOD LOCKERS. LOCKERS WITH 'A' DESIGNATION TO BE ADA TYPE.





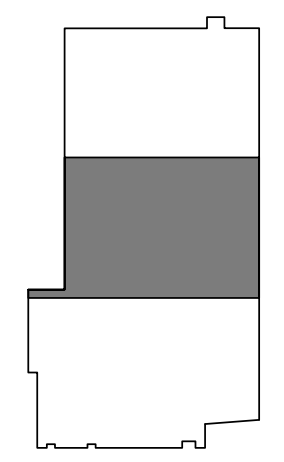
ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 07/17/15

**ISSUED FOR BID  
 PACKAGE 2**

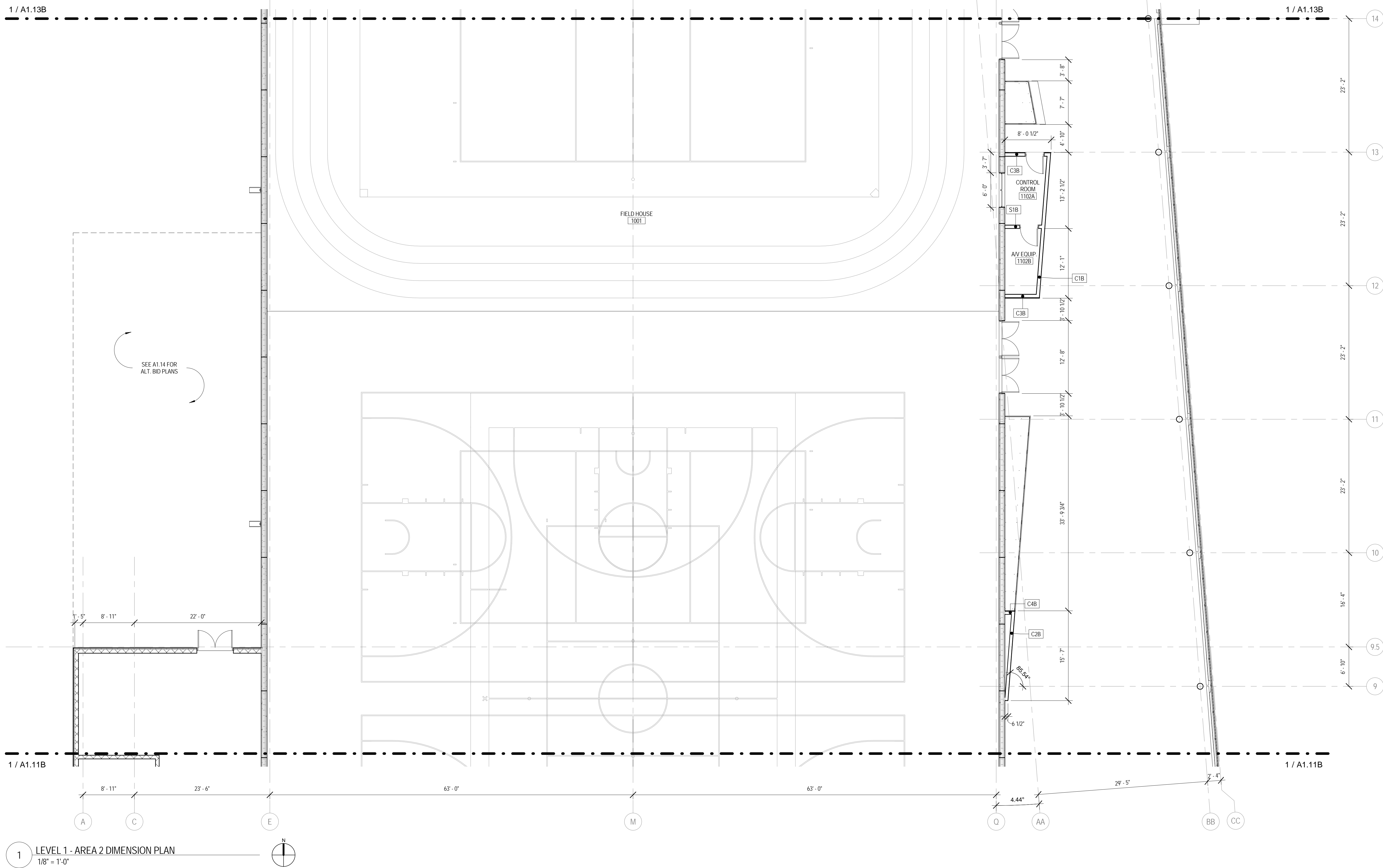
NO.	DESCRIPTION:	DATE:

SHEET TITLE:

**LEVEL 1  
 DIMENSION PLAN  
 AREA 2**

SHEET NUMBER:

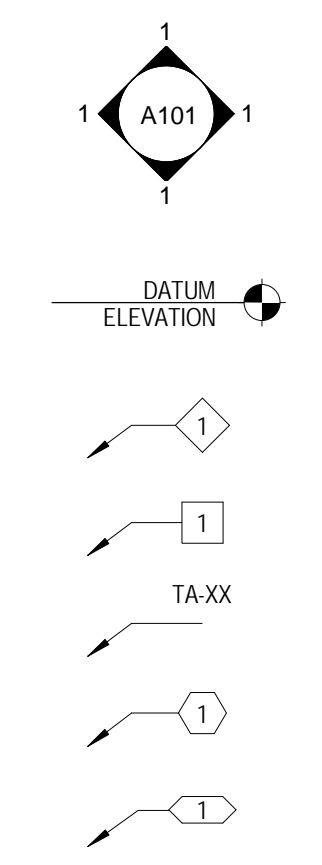
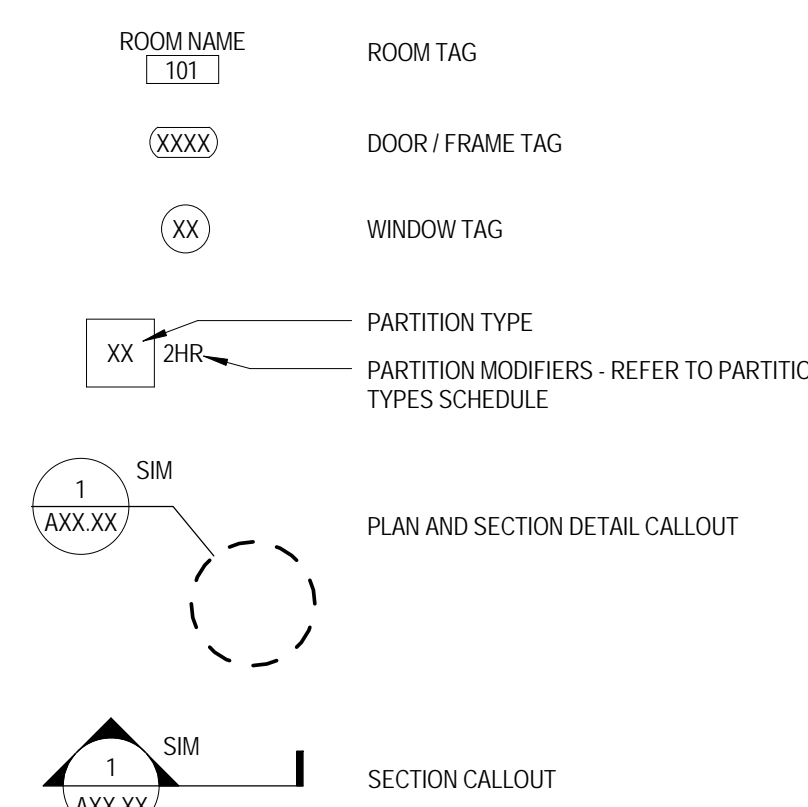
**A1.12B**



**1 LEVEL 1 - AREA 2 DIMENSION PLAN**  
 1/8" = 1'-0"

**FLOOR PLAN & SECTION SYMBOLS LEGEND:**

NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS



**FLOOR PLAN GENERAL NOTES:**

- ALL INTERIOR CMU PARTITIONS ARE TYPE M/C UNLESS NOTED OTHERWISE.
- ALL INTERIOR GYPSUM BOARD PARTITIONS ARE TYPE S18 UNLESS NOTED OTHERWISE.
- FINISH FLOOR ELEVATION OF 0'-0" - XXX.X USGS AS NOTED ON SHEET C.X.XX.
- ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION OF 0'-0". REFER TO CIVIL DRAWINGS FOR COORDINATING USGS ELEVATION.
- REFER TO CODE PLANS ON SHEETS AD.XX THRU AD.XX FOR FIRE RATINGS AND AREA SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.
- DO NOT SCALE DRAWINGS.
- NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO WORK COMMENCING.
- NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF EXISTING CONDITIONS AND IN-FIELD DIMENSIONS PRIOR TO COMMENCING WORK.
- ALL INTERIOR DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS NOTED OTHERWISE.
- PROVIDE ACCESS PANELS AT LOCATIONS INDICATED AND AS REQUIRED FOR ACCESS TO EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, MECHANICAL, PLUMBING AND ELECTRICAL WORK. PAINT ACCESS PANELS TO MATCH ADJACENT WALL OR CEILING FINISH.
- REFER TO A10.00 FOR PARTITION SCHEDULE.
- REFER TO EXTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR CONSTRUCTION OF EXTERIOR WALLS.

**FLOOR PLAN REFERENCED NOTES:**

- OPERABLE PARTITION
- DIVIDER CURTAIN
- CEILING MOUNTED BASKETBALL BACKBOARD
- PROVIDE BLACK PAINT FINISH AT METAL FILLER PANELS AT ENDCORNERS, AND AT SLOPED LOCKER TOPS
- METAL LOCKERS WITHOUT HATCH INFILL TO BE BLACK PAINT FINISH. METAL LOCKERS WITH HATCH INFILL TO BE CUSTOM GRAY PAINT FINISH. LOCKERS WITH 'X' DESIGNATION TO BE ADA TYPE.
- PROVIDE TOILET ACCESSORY TA-SA
- PROVIDE TWO FRAMELESS MIRRORS AT 48"W X 72"H
- GROUND FACE CMU - COLOR 1
- GROUND FACE CMU - COLOR 2
- GROUND FACE CMU - COLOR 3
- HYDROTHERAPY TUB, N.I.C.
- TELESCOPING BLEACHER
- DIVIDER CURTAIN, TYPE A
- DIVIDER CURTAIN, TYPE B
- VOLLEYBALL FLOOR SLEEVE - COORDINATE THICKENED SLAB REQUIREMENTS WITH MANUFACTURER
- PAINT ALL WALLS P-1. FLOORING TO BE SEALED CONCRETE. REFER TO FINISH LEGEND FOR FINISH DESIGNATIONS.
- CONTROL JOINT IN GYP. BD. FACE (TYP.) - ALIGN WITH CONTROL JOINT ON VERTICAL FACE OF GYP. BD. PARTITION
- SLOPE SURFACE OF ZINC COMPOSITE PANEL AT 1/4" PER FOOT
- PROVIDE SINGLE-TIER WOOD LOCKERS. LOCKERS WITH 'X' DESIGNATION TO BE ADA TYPE.





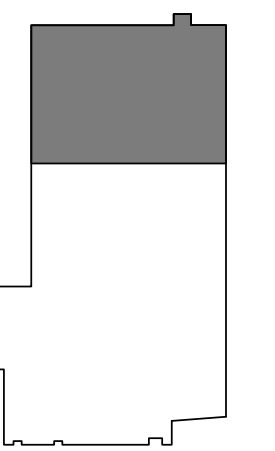
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 07/17/15

**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

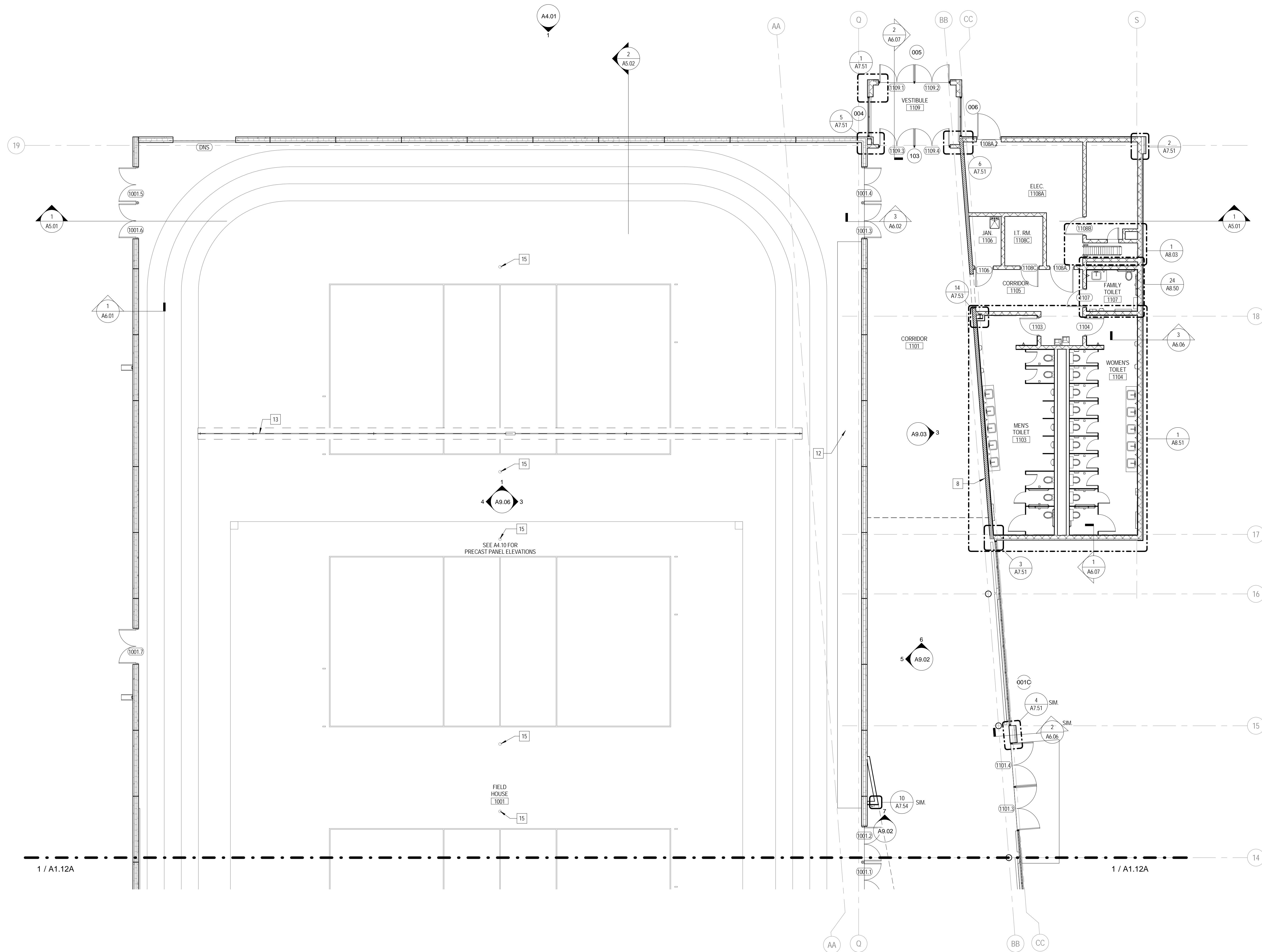
SHEET TITLE:

**LEVEL 1 PLAN  
 AREA 3**

SHEET NUMBER:

**A1.13A**

7/20/2015 10:41:28 AM



**1 LEVEL 1 - AREA 3 PLAN**  
 1/8" = 1'-0"

**FLOOR PLAN & SECTION SYMBOLS LEGEND:**

NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

	ROOM TAG		ELEVATION CALLOUT
	DOOR / FRAME TAG		DATUM TAG
	WINDOW TAG		NEW WORK REFERENCED NOTES
	PARTITION TYPE		DEMOLITION REFERENCED NOTES
	PARTITION MODIFIERS - REFER TO PARTITION TYPES SCHEDULE		TOILET ACCESSORY TAG
	PLAN AND SECTION DETAIL CALLOUT		CASEWORK TAG
	SECTION CALLOUT		EQUIPMENT TAG

**FLOOR PLAN GENERAL NOTES:**

- ALL INTERIOR CMU PARTITIONS ARE TYPE M1C UNLESS NOTED OTHERWISE.
- ALL INTERIOR GYPSUM BOARD PARTITIONS ARE TYPE 515 UNLESS NOTED OTHERWISE.
- FINISH FLOOR ELEVATION OF 0'-0" - XXX.X USGS AS NOTED ON SHEET C-X.XX.
- ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION OF 0'-0". REFER TO CIVIL DRAWINGS FOR COORDINATING USGS ELEVATION.
- REFER TO CODE PLANS ON SHEETS A0-XX THRU A0-XX FOR FIRE RATINGS AND AREA SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.
- DO NOT SCALE DRAWINGS.
- NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO WORK COMMENCING.
- NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF EXISTING CONDITIONS AND IN-FIELD DIMENSIONS PRIOR TO COMMENCING WORK.
- ALL INTERIOR DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS NOTED OTHERWISE.
- PROVIDE ACCESS PANELS AT LOCATIONS INDICATED AND AS REQUIRED FOR ACCESS TO EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, MECHANICAL, PLUMBING AND ELECTRICAL WORK. PAINT ACCESS PANELS TO MATCH ADJACENT WALL OR CEILING FINISH.
- REFER TO A10.00 FOR PARTITION SCHEDULE.
- REFER TO EXTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR CONSTRUCTION OF EXTERIOR WALLS.

**FLOOR PLAN REFERENCED NOTES:**

- OPERABLE PARTITION
- DIVIDER CURTAIN
- CEILING MOUNTED BASKETBALL BACKBOARD
- PROVIDE BLACK PAINT FINISH AT METAL FILLER PANELS AT ENDS/CORNERS, AND AT SLOPED LOCKER TOPS.
- METAL LOCKERS WITHOUT HATCH INFILL TO BE BLACK PAINT FINISH METAL LOCKERS WITH HATCH INFILL TO BE CUSTOM GRAY PAINT FINISH. LOCKERS WITH 'N' DESIGNATION TO BE ADA TYPE.
- PROVIDE TOILET ACCESSORY TA-SA.
- PROVIDE TWO FRAMELESS MIRRORS AT 48"W X 72"H.
- GROUND FACE CMU - COLOR 1.
- GROUND FACE CMU - COLOR 2.
- GROUND FACE CMU - COLOR 3.
- HYDROTHERAPY TUB N/C.
- TELESCOPING BLEACHER.
- DIVIDER CURTAIN TYPE A.
- DIVIDER CURTAIN TYPE BL.
- VOLLEYBALL FLOOR SLEEVE - COORDINATE THICKENED SLAB REQUIREMENTS WITH MANUFACTURER.
- PAINT ALL WALLS P-1 FLOORING TO BE SEALED CONCRETE. REFER TO FINISH LEGEND FOR FINISH DESIGNATIONS.
- CONTROL JOINT IN GYP. BD. FACE (TYP.) - ALIGN WITH CONTROL JOINT ON VERTICAL FACE OF GYP. BD. PARTITION.
- SLOPE SURFACE OF ZINC COMPOSITE PANEL AT 1/4" PER FOOT.
- PROVIDE SINGLE-TIER WOOD LOCKERS. LOCKERS WITH 'A' DESIGNATION TO BE ADA TYPE.





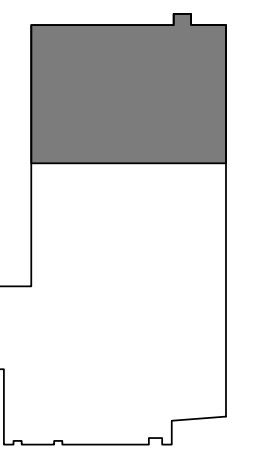
ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

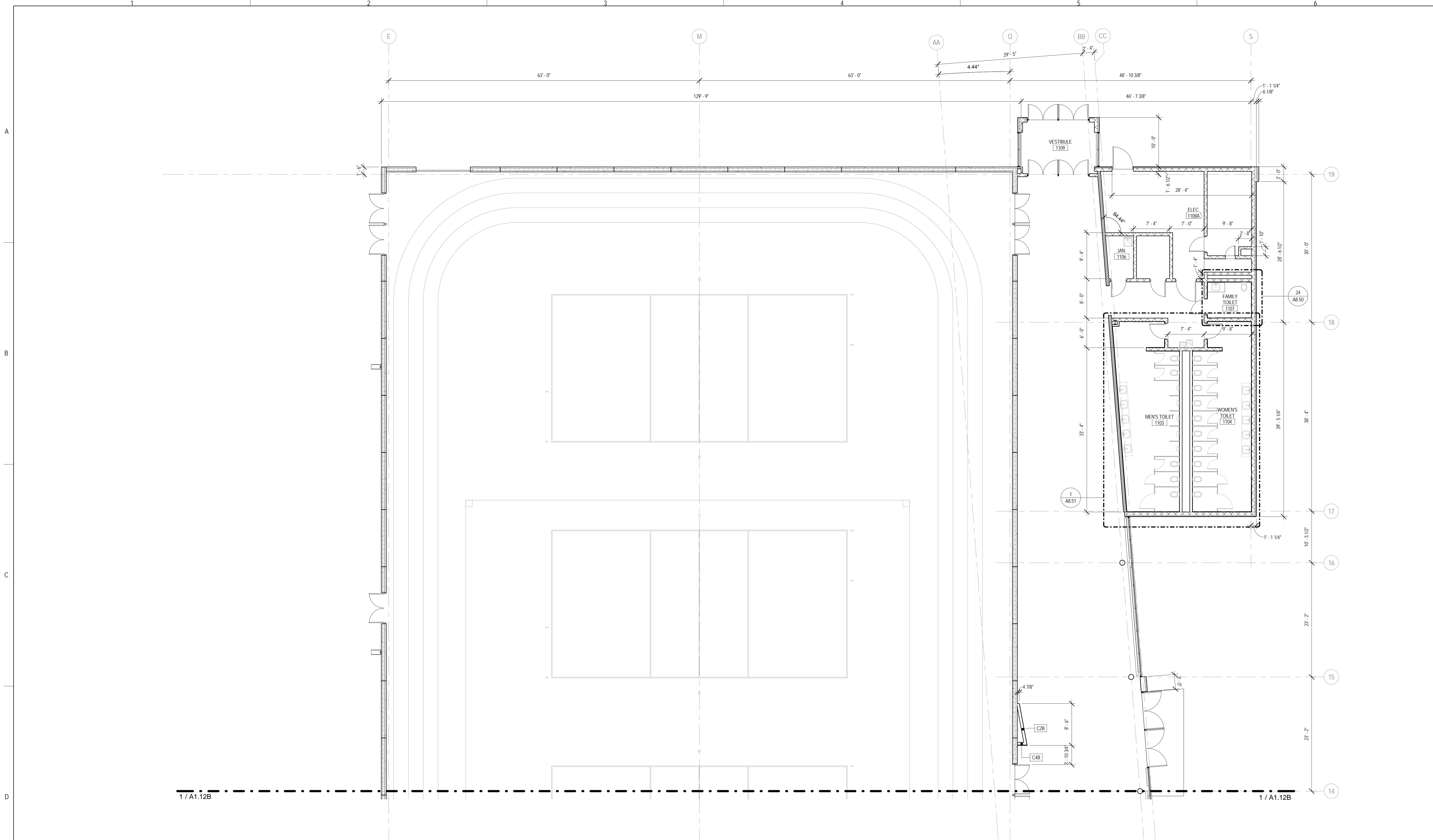


SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1  
 DIMENSION PLAN  
 AREA 3**

SHEET NUMBER:  
**A1.13B**



**1 LEVEL 1 - AREA 3 DIMENSION PLAN**  
 1/8" = 1'-0"

**FLOOR PLAN & SECTION SYMBOLS LEGEND:**

NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

	ROOM NAME		ELEVATION CALLOUT
	DOOR / FRAME TAG		DATUM TAG
	WINDOW TAG		NEW WORK REFERENCED NOTES
	PARTITION TYPE		DEMOLITION REFERENCED NOTES
	PARTITION MODIFIERS - REFER TO PARTITION TYPES SCHEDULE		TOILET ACCESSORY TAG
	PLAN AND SECTION DETAIL CALLOUT		CASEWORK TAG
	SECTION CALLOUT		EQUIPMENT TAG

**FLOOR PLAN GENERAL NOTES:**

- ALL INTERIOR CMU PARTITIONS ARE TYPE M1C UNLESS NOTED OTHERWISE.
- ALL INTERIOR GYPSUM BOARD PARTITIONS ARE TYPE S1B UNLESS NOTED OTHERWISE.
- FINISH FLOOR ELEVATION OF 0'-0" - XXX' USGS AS NOTED ON SHEET C-XXX.
- ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION OF 0'-0". REFER TO CIVIL DRAWINGS FOR COORDINATING USGS ELEVATION.
- REFER TO CODE PLANS ON SHEETS A0-XX THRU A0-XX FOR FIRE RATINGS AND AREA SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.
- DO NOT SCALE DRAWINGS.
- NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO WORK COMMENCING.
- NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF EXISTING CONDITIONS AND IN-FIELD DIMENSIONS PRIOR TO COMMENCING WORK.
- ALL INTERIOR DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS NOTED OTHERWISE.
- PROVIDE ACCESS PANELS AT LOCATIONS INDICATED AND AS REQUIRED FOR ACCESS TO EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, MECHANICAL, PLUMBING AND ELECTRICAL WORK. PAINT ACCESS PANELS TO MATCH ADJACENT WALL OR CEILING FINISH.
- REFER TO A10.00 FOR PARTITION SCHEDULE.
- REFER TO EXTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR CONSTRUCTION OF EXTERIOR WALLS.

**FLOOR PLAN REFERENCED NOTES:**

- OPERABLE PARTITION
- DIVIDER CURTAIN
- CEILING MOUNTED BASKETBALL BACKBOARD
- PROVIDE BLACK PAINT FINISH AT METAL FILLER PANELS AT ENDS/CORNERS, AND AT SLOPED LOCKER TOPS.
- METAL LOCKERS WITHOUT HATCH INFILL TO BE BLACK PAINT FINISH METAL LOCKERS WITH HATCH INFILL TO BE CUSTOM GRAY PAINT FINISH LOCKERS WITH 'A' DESIGNATION TO BE ADA TYPE.
- PROVIDE TOILET ACCESSORY TA-5A
- PROVIDE TWO FRAMELESS MIRRORS AT 46"W X 72"H
- GROUND FACE CMU - COLOR 1
- GROUND FACE CMU - COLOR 2
- GROUND FACE CMU - COLOR 3
- HYDROTHERAPY TUB, N.I.C.
- TELESCOPING BLEACHER
- DIVIDER CURTAIN, TYPE A
- DIVIDER CURTAIN, TYPE B
- VOLLEYBALL FLOOR-SLEEVE - COORDINATE THICKENED SLAB REQUIREMENTS WITH MANUFACTURER.
- PAINT ALL WALLS P-1 FLOORING TO BE SEALED CONCRETE. REFER TO FINISH LEGEND FOR FINISH DESIGNATIONS.
- CONTROL JOINT IN GYP. BD. FACE (TYP.) - ALIGN WITH CONTROL JOINT ON VERTICAL FACE OF GYP. BD. PARTITION.
- SLOPE SURFACE OF ZINC COMPOSITE PANEL AT 1/4" PER FOOT.
- PROVIDE SINGLE-TIER WOOD LOCKERS, LOCKERS WITH 'A' DESIGNATION TO BE ADA TYPE.



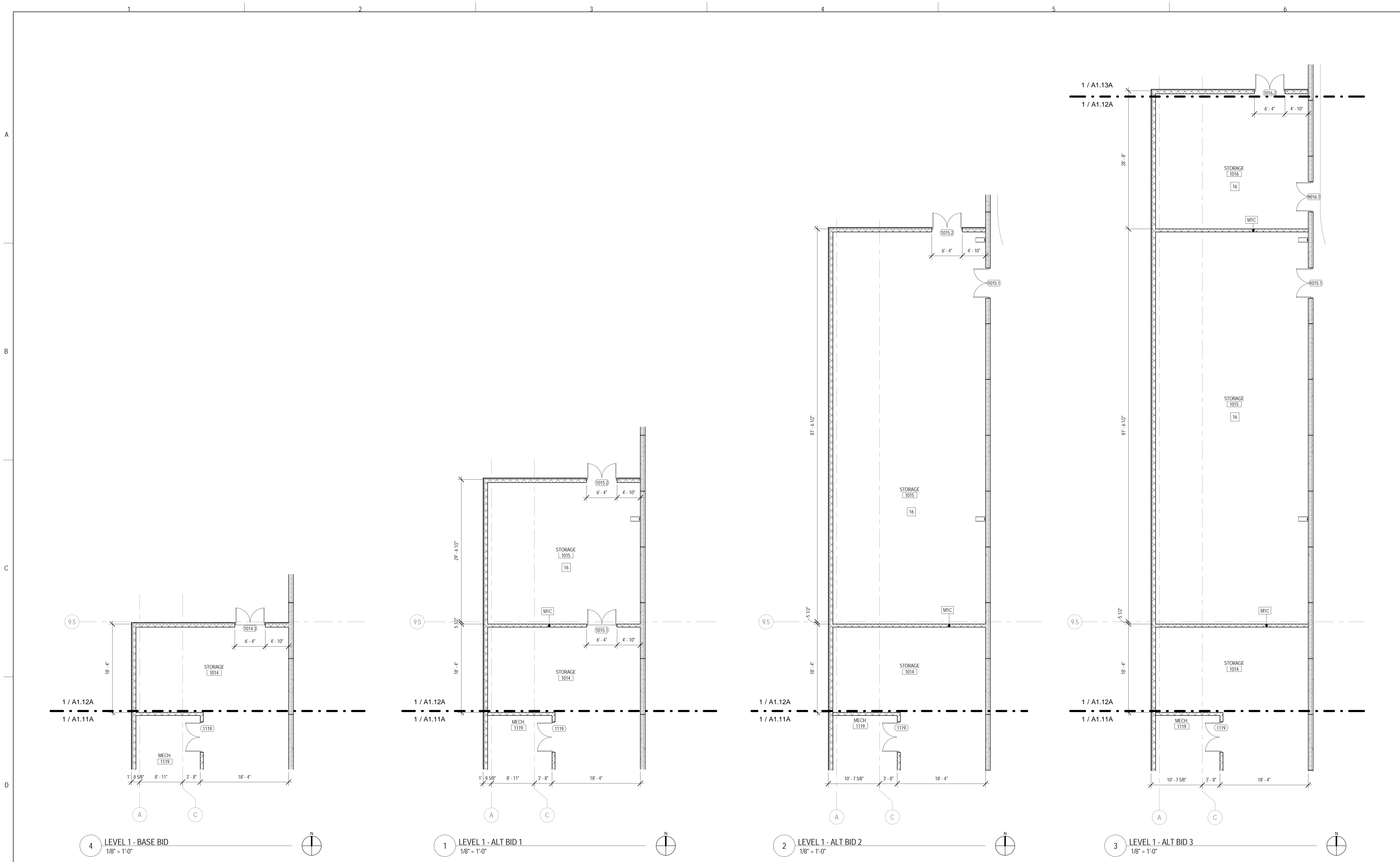


ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

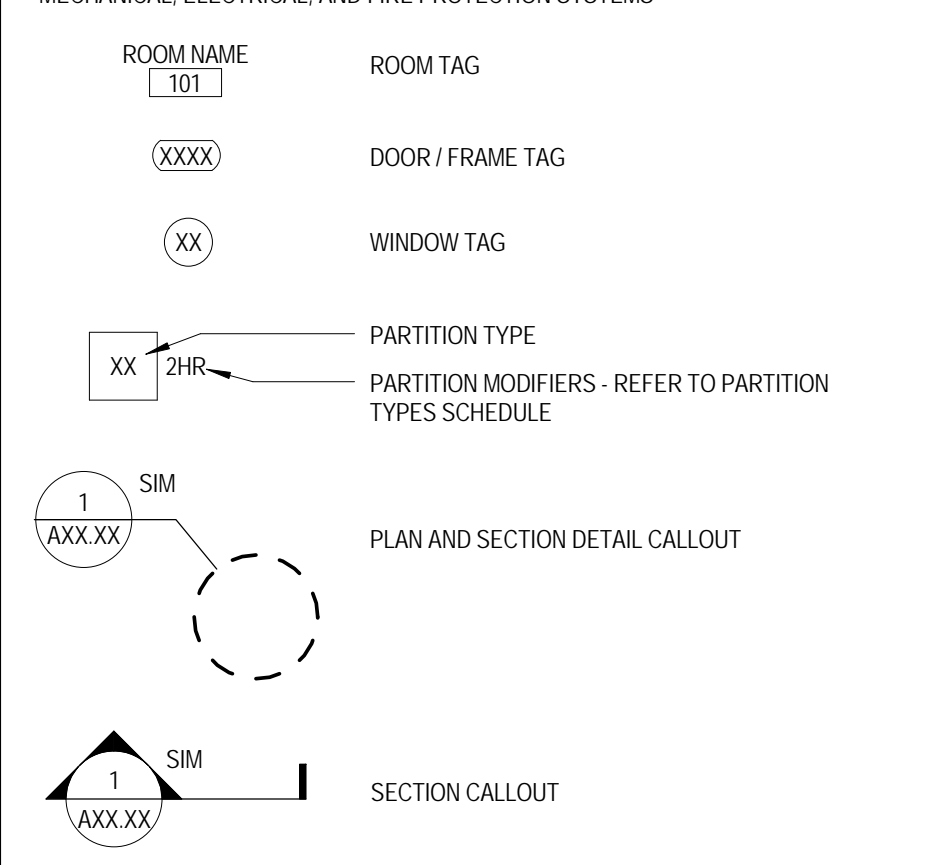
CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



**FLOOR PLAN & SECTION SYMBOLS LEGEND:**

NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS



**FLOOR PLAN GENERAL NOTES:**

- ALL INTERIOR CMU PARTITIONS ARE TYPE MIC UNLESS NOTED OTHERWISE.
- ALL INTERIOR GYPSUM BOARD PARTITIONS ARE TYPE S18 UNLESS NOTED OTHERWISE.
- FINISH FLOOR ELEVATION OF 6'-0" - XXX' (SUSAS NOTED ON SHEET C-2,XX).
- ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION OF 0'-0". REFER TO CIVIL DRAWINGS FOR COORDINATING USGS ELEVATION.
- REFER TO CODE PLANS ON SHEETS A0-XX THRU A0-XX FOR FIRE RATINGS AND AREA SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.
- DO NOT SCALE DRAWINGS.
- NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO WORK COMMENCING.
- NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF EXISTING CONDITIONS AND IN-FIELD DIMENSIONS PRIOR TO COMMENCING WORK.
- ALL INTERIOR DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS NOTED OTHERWISE.
- PROVIDE ACCESS PANELS AT LOCATIONS INDICATED AND AS REQUIRED FOR ACCESS TO EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, MECHANICAL, PLUMBING AND ELECTRICAL WORK. PAINT ACCESS PANELS TO MATCH ADJACENT WALL OR CEILING FINISH.
- REFER TO A10.00 FOR PARTITION SCHEDULE.
- REFER TO EXTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR CONSTRUCTION OF EXTERIOR WALLS.

**FLOOR PLAN REFERENCED NOTES:**

- OPERABLE PARTITION
- DIVIDER CURTAIN
- CEILING MOUNTED BASKETBALL BACKBOARD
- PROVIDE BLACK PAINT FINISH AT METAL FILLER PANELS AT ENDS/CORNERS, AND AT SLOPED LOCKER TOPS.
- METAL LOCKERS WITHOUT HATCH INFILL TO BE BLACK PAINT FINISH METAL LOCKERS WITH HATCH INFILL TO BE CUSTOM GRAY PAINT FINISH. LOCKERS WITH 'A' DESIGNATION TO BE ADA TYPE.
- PROVIDE TOILET ACCESSORY TA-5A.
- PROVIDE TWO FRAMELESS MIRRORS AT 48"W X 72"H.
- GROUND FACE CMU - COLOR 1.
- GROUND FACE CMU - COLOR 2.
- GROUND FACE CMU - COLOR 3.
- HYDROTHERAPY TUB, N.I.C.
- TELESCOPING BLEACHER.
- DIVIDER CURTAIN, TYPE A.
- DIVIDER CURTAIN, TYPE B.
- VOLLEYBALL FLOOR SLEEVE - COORDINATE THICKENED SLAB REQUIREMENTS WITH MANUFACTURER.
- PAINT ALL WALLS S-1 - FLOORING TO BE SEALED CONCRETE. REFER TO FINISH LEGEND FOR FINISH DESIGNATIONS.
- CONTROL JOINT IN GYP. BD. FACE (TYP.) - ALIGN WITH CONTROL JOINT ON VERTICAL FACE OF GYP. BD. PARTITION.
- SLOPE SURFACE OF ZINC COMPOSITE PANEL AT 1/4" PER FOOT.
- PROVIDE SINGLE-TIER WOOD LOCKERS. LOCKERS WITH 'A' DESIGNATION TO BE ADA TYPE.

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1 -  
 ALTERNATE BIDS**

SHEET NUMBER:  
**A1.14**





ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 07/17/15

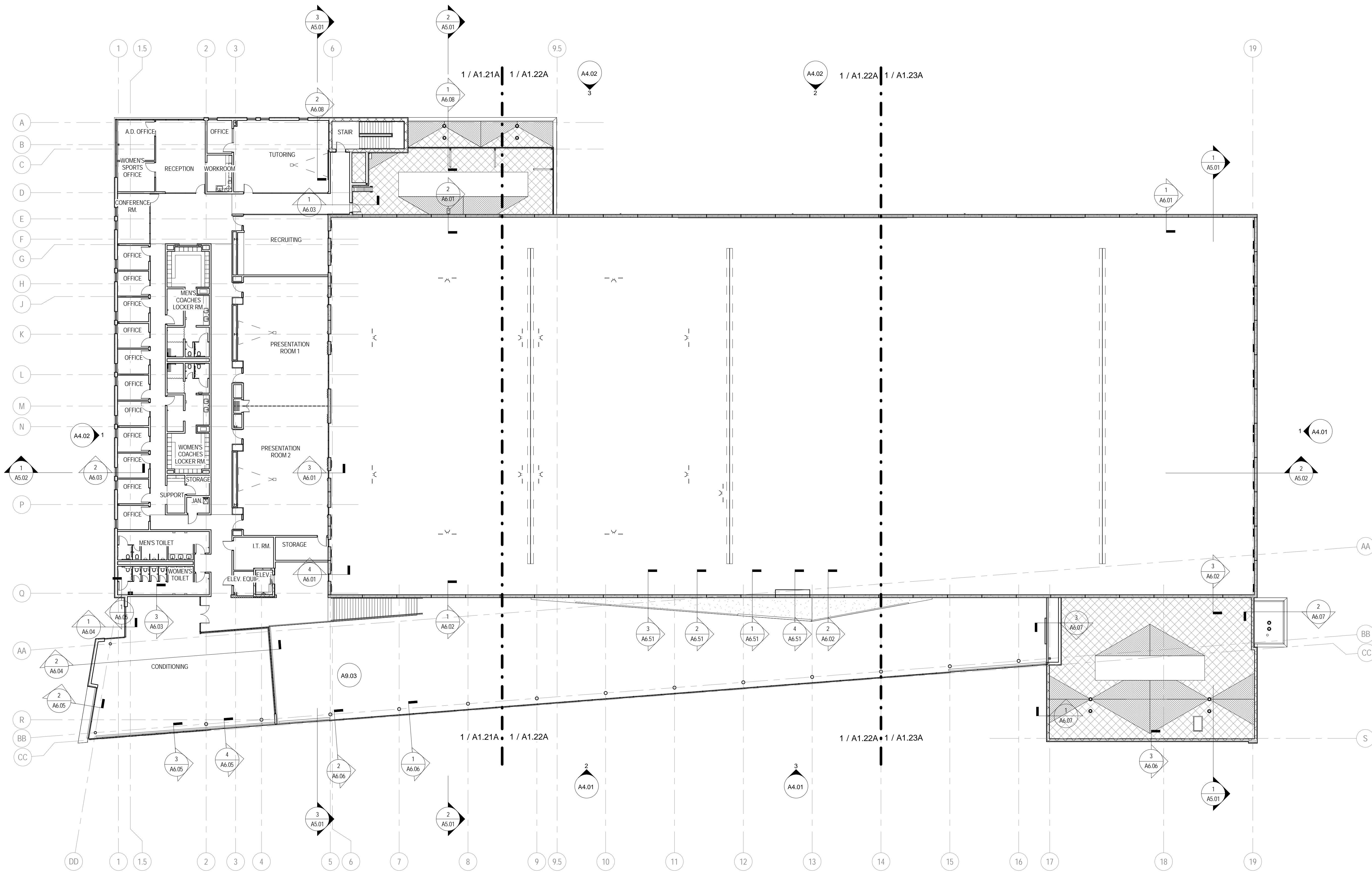
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2  
 OVERALL PLAN**

SHEET NUMBER:

**A1.20**



**1 LEVEL 2 - OVERALL PLAN**  
 1/16" = 1'-0"

**FLOOR PLAN & SECTION SYMBOLS LEGEND:**

NOTE: REFER TO M.E.P.F.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

	ROOM TAG		ELEVATION CALLOUT
	DOOR / FRAME TAG		DATUM TAG
	WINDOW TAG		NEW WORK REFERENCED NOTES
	PARTITION TYPE		DEMOLITION REFERENCED NOTES
	PARTITION MODIFIERS - REFER TO PARTITION TYPES SCHEDULE		TOILET ACCESSORY TAG
	PLAN AND SECTION DETAIL CALLOUT		CASEWORK TAG
	SECTION CALLOUT		EQUIPMENT TAG

**FLOOR PLAN GENERAL NOTES:**

- ALL INTERIOR CMU PARTITIONS ARE TYPE M/C UNLESS NOTED OTHERWISE.
- ALL INTERIOR GYPSUM BOARD PARTITIONS ARE TYPE S1B UNLESS NOTED OTHERWISE.
- FINISH FLOOR ELEVATION OF 0'-0" = XXX.X UNLESS AS NOTED ON SHEET C.X.XX.
- ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION OF 0'-0". REFER TO CIVIL DRAWINGS FOR COORDINATING USGS ELEVATION.
- REFER TO CODE PLANS ON SHEETS A0-XX THRU A0-XX FOR FIRE RATINGS AND AREA SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.
- DO NOT SCALE DRAWINGS.
- NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO WORK COMMENCING.
- NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF EXISTING CONDITIONS AND IN-FIELD DIMENSIONS PRIOR TO COMMENCING WORK.
- ALL INTERIOR DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS NOTED OTHERWISE.
- PROVIDE ACCESS PANELS AT LOCATIONS INDICATED AND AS REQUIRED FOR ACCESS TO EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, MECHANICAL, PLUMBING AND ELECTRICAL WORK. PAINT ACCESS PANELS TO MATCH ADJACENT WALL OR CEILING FINISH.
- REFER TO A10.00 FOR PARTITION SCHEDULE.
- REFER TO EXTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR CONSTRUCTION OF EXTERIOR WALLS.

**FLOOR PLAN REFERENCED NOTES:**

- OPERABLE PARTITION
- DIVIDER CURTAIN
- CEILING MOUNTED BASKETBALL BACKBOARD
- PROVIDE BLACK PAINT FINISH AT METAL FILLER PANELS AT ENDS/CORNERS, AND AT SLOPED LOCKER TOPS.
- METAL LOCKERS WITHOUT HATCH INFILL TO BE BLACK PAINT FINISH. METAL LOCKERS WITH HATCH INFILL TO BE CUSTOM GRAY PAINT FINISH. LOCKERS WITH 'A' DESIGNATION TO BE ADA TYPE.
- PROVIDE TOILET ACCESSORY TA-5A.
- PROVIDE TWO FRAMELESS MIRRORS AT 48"W X 72"H.
- GROUND FACE CMU - COLOR 1.
- GROUND FACE CMU - COLOR 2.
- GROUND FACE CMU - COLOR 3.
- HYDROTHERAPY TUB, N.I.C.
- TELESCOPING BLEACHER.
- DIVIDER CURTAIN, TYPE A.
- DIVIDER CURTAIN, TYPE B.
- VOLLEYBALL FLOOR SLEEVE - COORDINATE THICKENED SLAB REQUIREMENTS WITH MANUFACTURER.
- PAINT ALL WALLS P-1. FLOORING TO BE SEALED CONCRETE. REFER TO FINISH LEGEND FOR FINISH DESIGNATIONS.
- CONTROL JOINT IN GYP. BD. FACE (EYP) - ALIGN WITH CONTROL JOINT ON VERTICAL FACE OF GYP. BD. PARTITION.
- SLOPE SURFACE OF ZINC COMPOSITE PANEL AT 1/4" PER FOOT.
- PROVIDE SINGLE TIER WOOD LOCKERS. LOCKERS WITH 'A' DESIGNATION TO BE ADA TYPE.





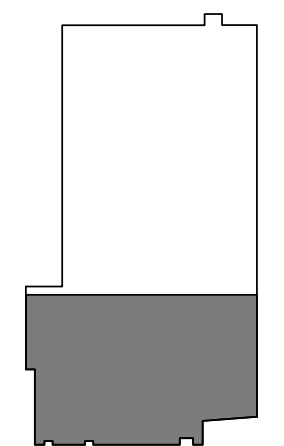
ARCHITECT OF RECORD  
**DEMIONA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 07/17/15

**ISSUED FOR BID  
 PACKAGE 2**

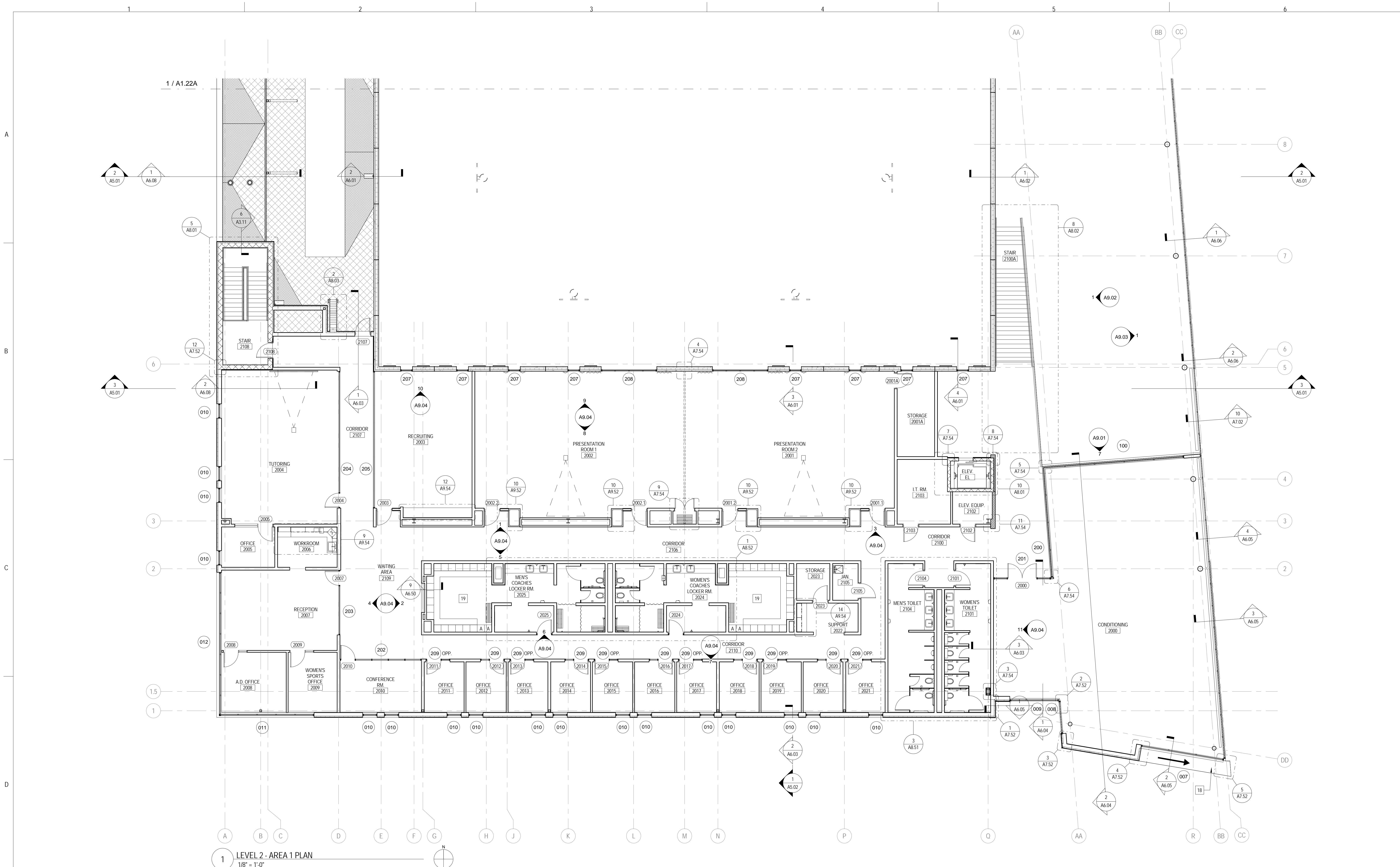
NO.	DESCRIPTION:	DATE:

SHEET TITLE:

**LEVEL 2 PLAN  
 AREA 1**

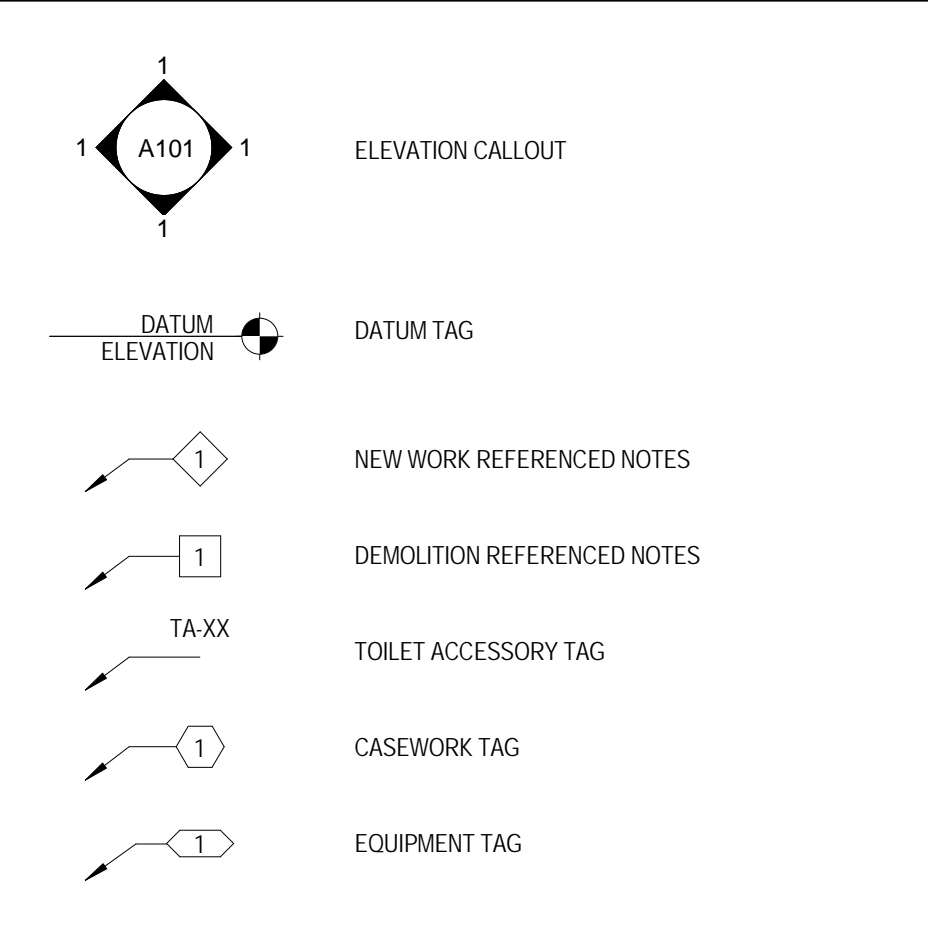
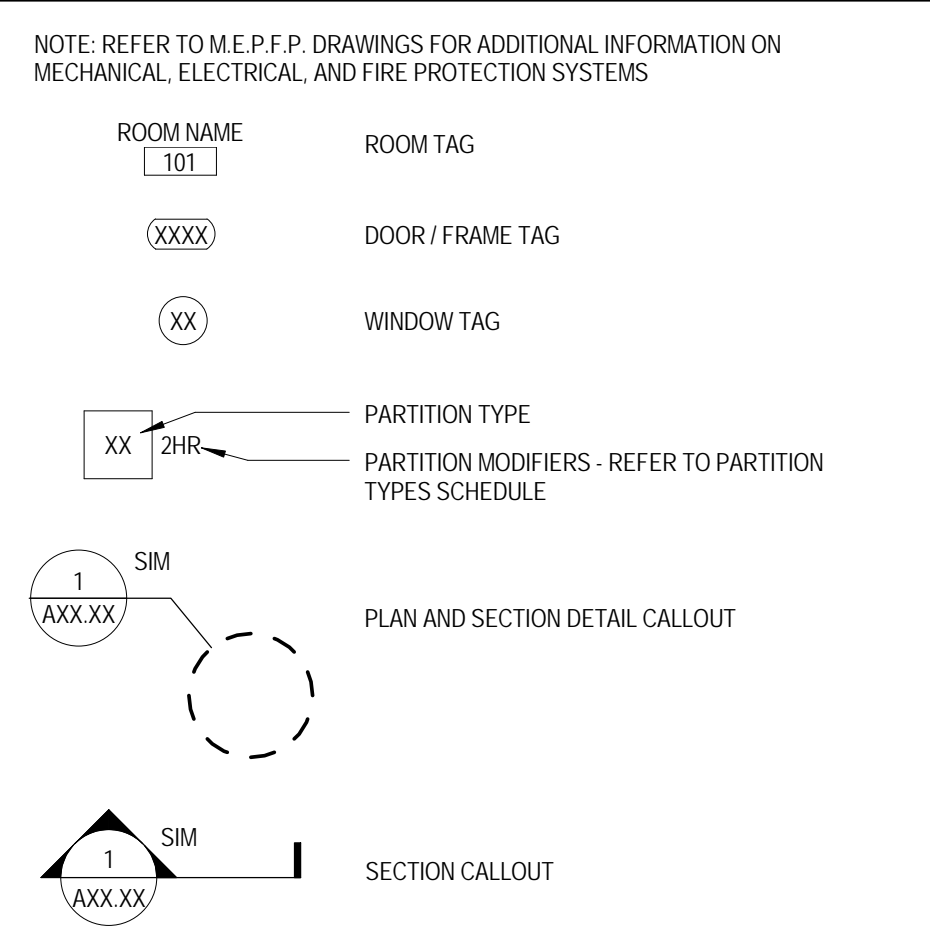
SHEET NUMBER:

**A1.21A**



**1 LEVEL 2 - AREA 1 PLAN**  
 1/8" = 1'-0"

**FLOOR PLAN & SECTION SYMBOLS LEGEND:**



**FLOOR PLAN GENERAL NOTES:**

- ALL INTERIOR CMU PARTITIONS ARE TYPE M1C UNLESS NOTED OTHERWISE.
- ALL INTERIOR GYPSUM BOARD PARTITIONS ARE TYPE S1B UNLESS NOTED OTHERWISE.
- FINISH FLOOR ELEVATION OF 0'-0" - XXXX USGS AS NOTED ON SHEET C-X-XX.
- ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION OF 0'-0". REFER TO CIVIL DRAWINGS FOR COORDINATING USGS ELEVATION.
- REFER TO CODE PLANS ON SHEETS A0-XX THRU A0-XX FOR FIRE RATINGS AND AREA SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.
- DO NOT SCALE DRAWINGS.
- NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO WORK COMMENCING.
- NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF EXISTING CONDITIONS AND IN-FIELD DIMENSIONS PRIOR TO COMMENCING WORK.
- ALL INTERIOR DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS NOTED OTHERWISE.
- PROVIDE ACCESS PANELS AT LOCATIONS INDICATED AND AS REQUIRED FOR ACCESS TO EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, MECHANICAL, PLUMBING AND ELECTRICAL WORK. PAINT ACCESS PANELS TO MATCH ADJACENT WALL OR CEILING FINISH.
- REFER TO A10.00 FOR PARTITION SCHEDULE.
- REFER TO EXTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR CONSTRUCTION OF EXTERIOR WALLS.

**FLOOR PLAN REFERENCED NOTES:**

- OPERABLE PARTITION
- DIVIDER CURTAIN
- CEILING MOUNTED BASKETBALL BACKBOARD
- PROVIDE BLACK PAINT FINISH AT METAL FILLER PANELS AT ENDS/CORNERS, AND AT SLOPED LOCKER TOPS.
- METAL LOCKERS WITHOUT HATCH INFILL TO BE BLACK PAINT FINISH METAL LOCKERS WITH HATCH INFILL TO BE CUSTOM GRAY PAINT FINISH. LOCKERS WITH 'A' DESIGNATION TO BE ADA TYPE.
- PROVIDE TOILET ACCESSORY TA-5A.
- PROVIDE TWO FRAMELESS MIRRORS AT 48"W X 72"H.
- GROUND FACE CMU - COLOR 1.
- GROUND FACE CMU - COLOR 2.
- GROUND FACE CMU - COLOR 3.
- HYDROTHERAPY TUB N.I.C.
- TELESCOPING BLEACHER.
- DIVIDER CURTAIN TYPE A.
- DIVIDER CURTAIN TYPE B.
- VOLLEYBALL FLOOR SLEEVE - COORDINATE THICKENED SLAB REQUIREMENTS WITH MANUFACTURER.
- PAINT ALL WALLS P-1 FLOORING TO BE SEALED CONCRETE. REFER TO FINISH LEGEND FOR FINISH DESIGNATIONS.
- CONTROL JOINT IN GYP. BD. FACE (TYP.) - ALIGN WITH CONTROL JOINT ON VERTICAL FACE OF GYP. BD. PARTITION.
- SLOPE SURFACE OF ZINC COMPOSITE PANEL AT 1/4" PER FOOT.
- PROVIDE SINGLE-TIER WOOD LOCKERS. LOCKERS WITH 'A' DESIGNATION TO BE ADA TYPE.





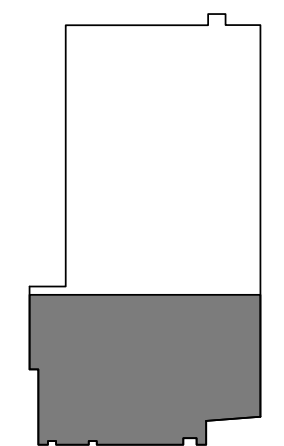
ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

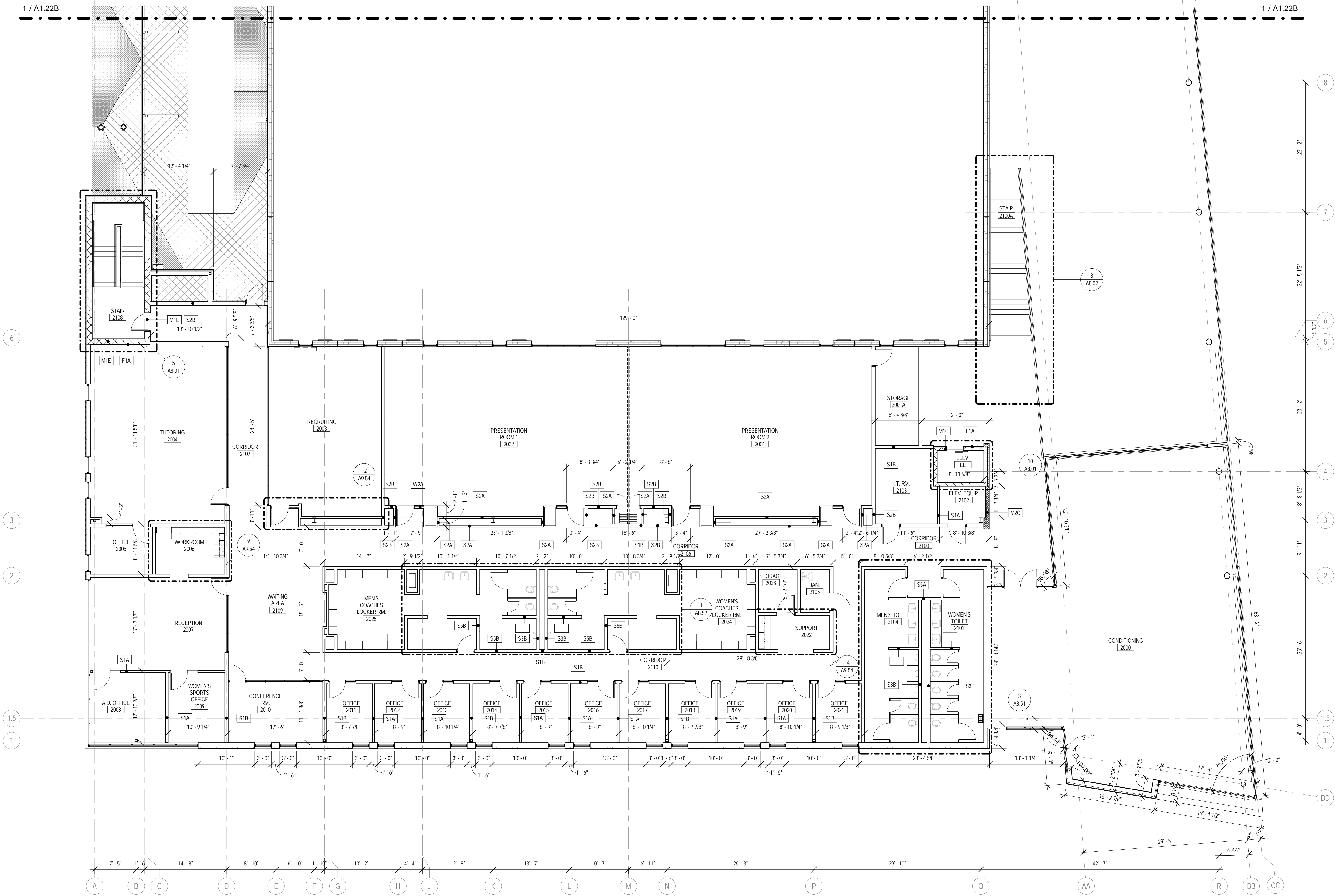


SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2  
 DIMENSION PLAN  
 AREA 1**

SHEET NUMBER:  
**A1.21B**



**1 LEVEL 2 - AREA 1 DIMENSION PLAN**  
 1/8" = 1'-0"

**FLOOR PLAN & SECTION SYMBOLS LEGEND:**

NOTE: REFER TO M.E.P.F. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

	ROOM TAG		ELEVATION CALLOUT
	DOOR / FRAME TAG		DATUM TAG
	WINDOW TAG		NEW WORK REFERENCED NOTES
	PARTITION TYPE		DEMOLITION REFERENCED NOTES
	PARTITION MODIFIERS - REFER TO PARTITION TYPES SCHEDULE		TOILET ACCESSORY TAG
	PLAN AND SECTION DETAIL CALLOUT		CASEWORK TAG
	SECTION CALLOUT		EQUIPMENT TAG

**FLOOR PLAN GENERAL NOTES:**

- ALL INTERIOR CMU PARTITIONS ARE TYPE MIC UNLESS NOTED OTHERWISE.
- ALL INTERIOR GYPSUM BOARD PARTITIONS ARE TYPE S1B UNLESS NOTED OTHERWISE.
- FINISH FLOOR ELEVATION OF 0'-0" - XXXX USGS AS NOTED ON SHEET C.X.KK.
- ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION OF 0'-0". REFER TO CIVIL DRAWINGS FOR COORDINATING USGS ELEVATION.
- REFER TO CODE PLANS ON SHEETS A0.XX THRU A0.XX FOR FIRE RATINGS AND AREA SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.
- DO NOT SCALE DRAWINGS.
- NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO WORK COMMENCING.
- NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF EXISTING CONDITIONS AND IN-FIELD DIMENSIONS PRIOR TO COMMENCING WORK.
- ALL INTERIOR DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS NOTED OTHERWISE.
- PROVIDE ACCESS PANELS AT LOCATIONS INDICATED AND AS REQUIRED FOR ACCESS TO EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, MECHANICAL, PLUMBING AND ELECTRICAL WORK. PAINT ACCESS PANELS TO MATCH ADJACENT WALL OR CEILING FINISH.
- REFER TO A10.00 FOR PARTITION SCHEDULE.
- REFER TO EXTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR CONSTRUCTION OF EXTERIOR WALLS.

**FLOOR PLAN REFERENCED NOTES:**

- OPERABLE PARTITION
- DIVIDER CURTAIN
- CEILING MOUNTED BASKETBALL BACKBOARD
- PROVIDE BLACK PAINT FINISH AT METAL FILLER PANELS AT ENDCORNERS, AND AT SLOPED LOCKER TOPS
- METAL LOCKERS WITHOUT HATCH INFILL TO BE BLACK PAINT FINISH METAL LOCKERS WITH HATCH INFILL TO BE CUSTOM GRAY PAINT FINISH LOCKERS WITH 'A' DESIGNATION TO BE ADA TYPE
- PROVIDE TOILET ACCESSORY TA-SA
- PROVIDE TWO FRAMELESS MIRRORS AT 48"W X 72"H
- GROUND FACE CMU - COLOR 1
- GROUND FACE CMU - COLOR 2
- GROUND FACE CMU - COLOR 3
- HYDROTHERAPY TUB N/C
- TELESCOPING BLEACHER
- DIVIDER CURTAIN TYPE A
- DIVIDER CURTAIN TYPE B
- HOLLOW WALL FLOOR SLEEVE - COORDINATE THICKENED SLAB REQUIREMENTS WITH MANUFACTURER
- PAINT ALL WALLS P-1. FLOORING TO BE SEALED CONCRETE. REFER TO FINISH LEGEND FOR FINISH DESIGNATIONS
- CONTROL JOINT IN GYP. BD. FACE (TYP) - ALIGN WITH CONTROL JOINT ON VERTICAL FACE OF GYP. BD. PARTITION
- SLOPE SURFACE OF ZINC COMPOSITE PANEL AT 1/4" PER FOOT.
- PROVIDE SINGLE-TIER WOOD LOCKERS. LOCKERS WITH 'A' DESIGNATION TO BE ADA TYPE.





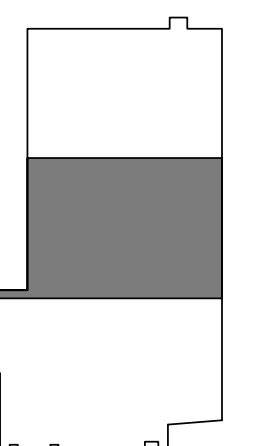
ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 07/17/15

**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

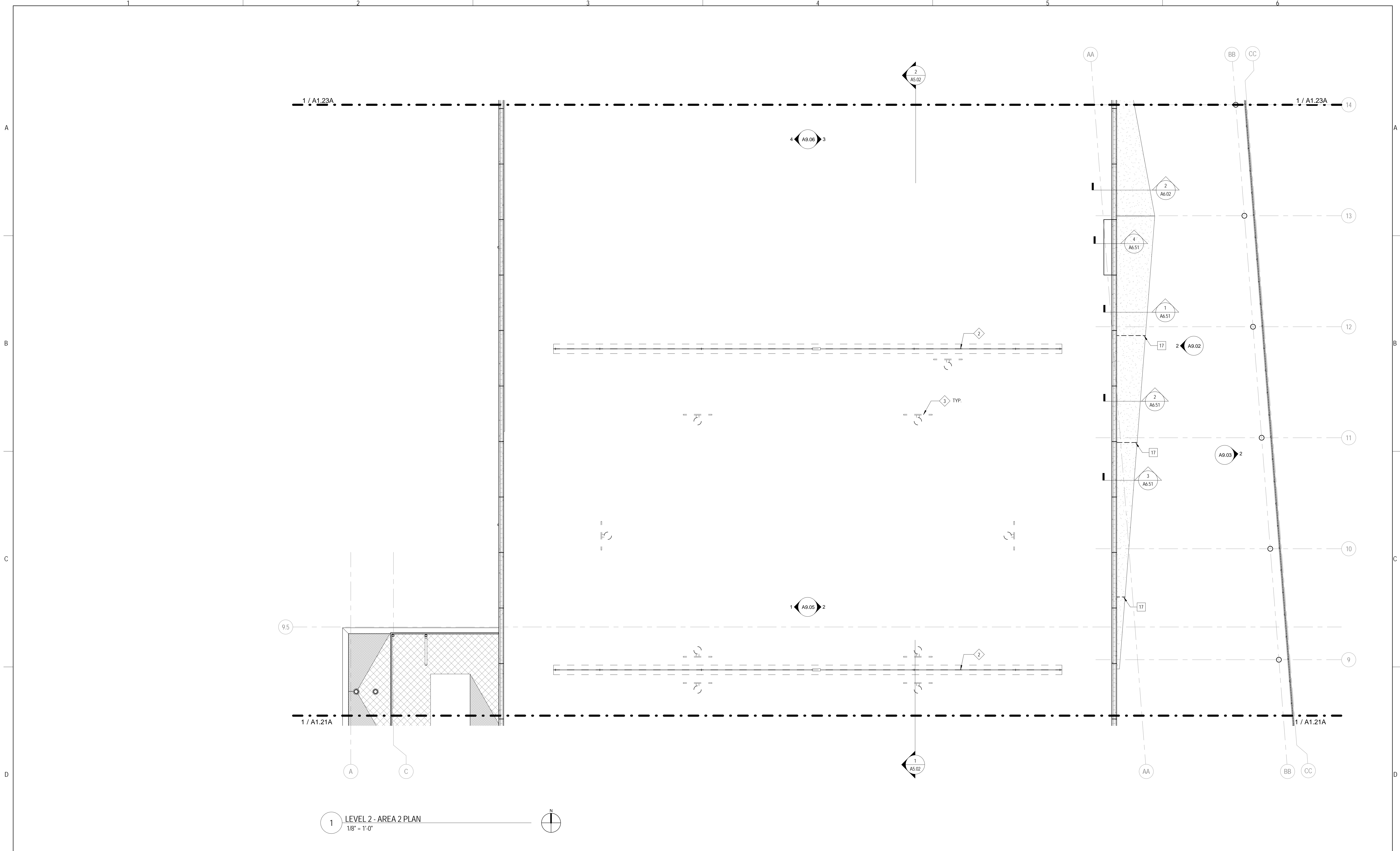
SHEET TITLE:

**LEVEL 2 PLAN  
 AREA 2**

SHEET NUMBER:

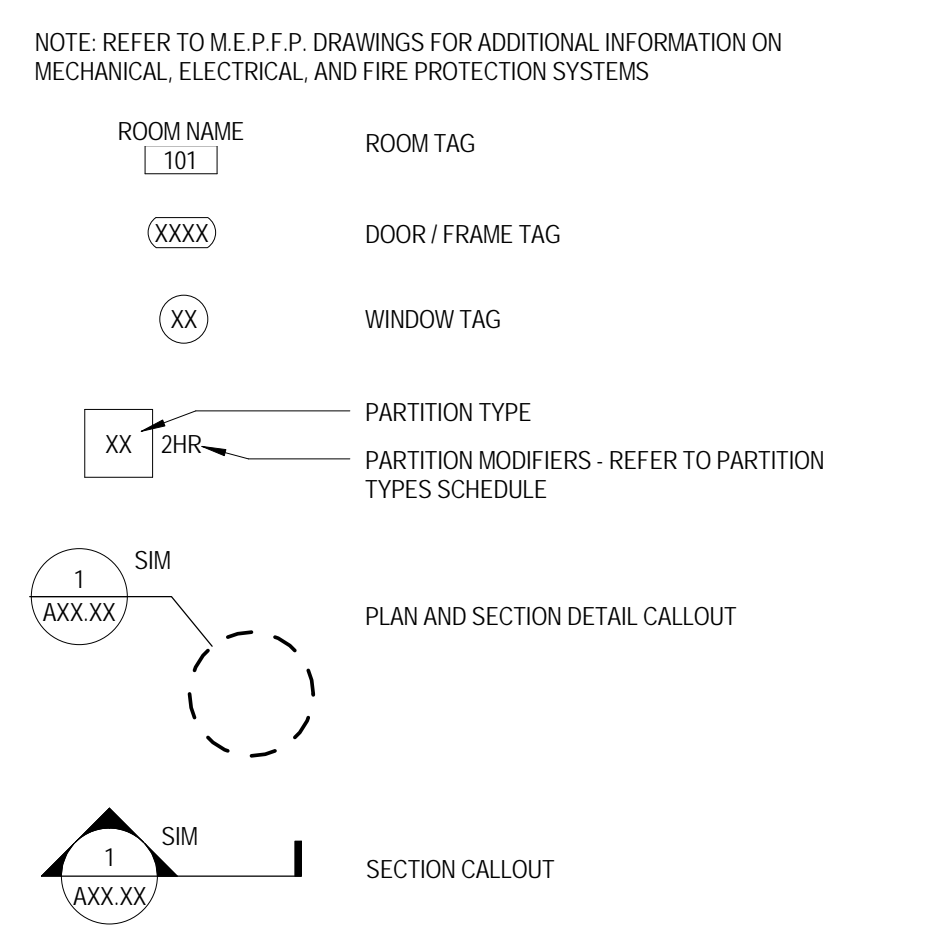
**A1.22A**

7/20/2015 10:42:00 AM



**1 LEVEL 2 - AREA 2 PLAN**  
 1/8" = 1'-0"

**FLOOR PLAN & SECTION SYMBOLS LEGEND:**



**FLOOR PLAN GENERAL NOTES:**

- ALL INTERIOR CMU PARTITIONS ARE TYPE MTC UNLESS NOTED OTHERWISE.
- ALL INTERIOR GYPSUM BOARD PARTITIONS ARE TYPE S18 UNLESS NOTED OTHERWISE.
- FINISH FLOOR ELEVATION OF 0'-0" - XXX.X USGS AS NOTED ON SHEET C.X.XX.
- ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION OF 0'-0". REFER TO CIVIL DRAWINGS FOR COORDINATING USGS ELEVATION.
- REFER TO CODE PLANS ON SHEETS A0.XX THRU A0.XX FOR FIRE RATINGS AND AREA SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.
- DO NOT SCALE DRAWINGS.
- NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO WORK COMMENCING.
- NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF EXISTING CONDITIONS AND IN-FIELD DIMENSIONS PRIOR TO COMMENCING WORK.
- ALL INTERIOR DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS NOTED OTHERWISE.
- PROVIDE ACCESS PANELS AT LOCATIONS INDICATED AND AS REQUIRED FOR ACCESS TO EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, MECHANICAL, PLUMBING AND ELECTRICAL WORK. PAINT ACCESS PANELS TO MATCH ADJACENT WALL OR CEILING FINISH.
- REFER TO A10.00 FOR PARTITION SCHEDULE.
- REFER TO EXTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR CONSTRUCTION OF EXTERIOR WALLS.

**FLOOR PLAN REFERENCED NOTES:**

- OPERABLE PARTITION
- DIVIDER CURTAIN
- CEILING MOUNTED BASKETBALL BACKBOARD
- PROVIDE BLACK PAINT FINISH AT METAL FILLER PANELS AT ENDS/CORNERS, AND AT SLOPED LOCKER TOPS
- METAL LOCKERS WITHOUT HATCH INFILL TO BE BLACK PAINT FINISH. METAL LOCKERS WITH HATCH INFILL TO BE CUSTOM GRAY PAINT FINISH. LOCKERS WITH 'A' DESIGNATION TO BE ADA TYPE.
- PROVIDE TOILET ACCESSORY TA-5A
- PROVIDE TWO FRAMELESS MIRRORS AT 48" W X 72" H
- GROUND FACE CMU - COLOR 1
- GROUND FACE CMU - COLOR 2
- GROUND FACE CMU - COLOR 3
- HYDROTHERAPY TUB, N/C
- TELESCOPING BLEACHER
- DIVIDER CURTAIN, TYPE A
- DIVIDER CURTAIN, TYPE B
- VOLLEYBALL FLOOR SLEEVE - COORDINATE THICKENED SLAB REQUIREMENTS WITH MANUFACTURER
- PAINT ALL WALLS P-1. FLOORING TO BE SEALED CONCRETE. REFER TO FINISH LEGEND FOR FINISH DESIGNATIONS
- CONTROL JOINT IN GYP. BD. FACE (TYP.) - ALIGN WITH CONTROL JOINT ON VERTICAL FACE OF GYP. BD. PARTITION
- SLOPE SURFACE OF ZINC COMPOSITE PANEL AT 1/4" PER FOOT
- PROVIDE SINGLE-TIER WOOD LOCKERS. LOCKERS WITH 'A' DESIGNATION TO BE ADA TYPE.





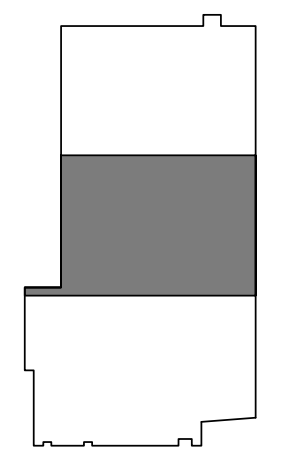
ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

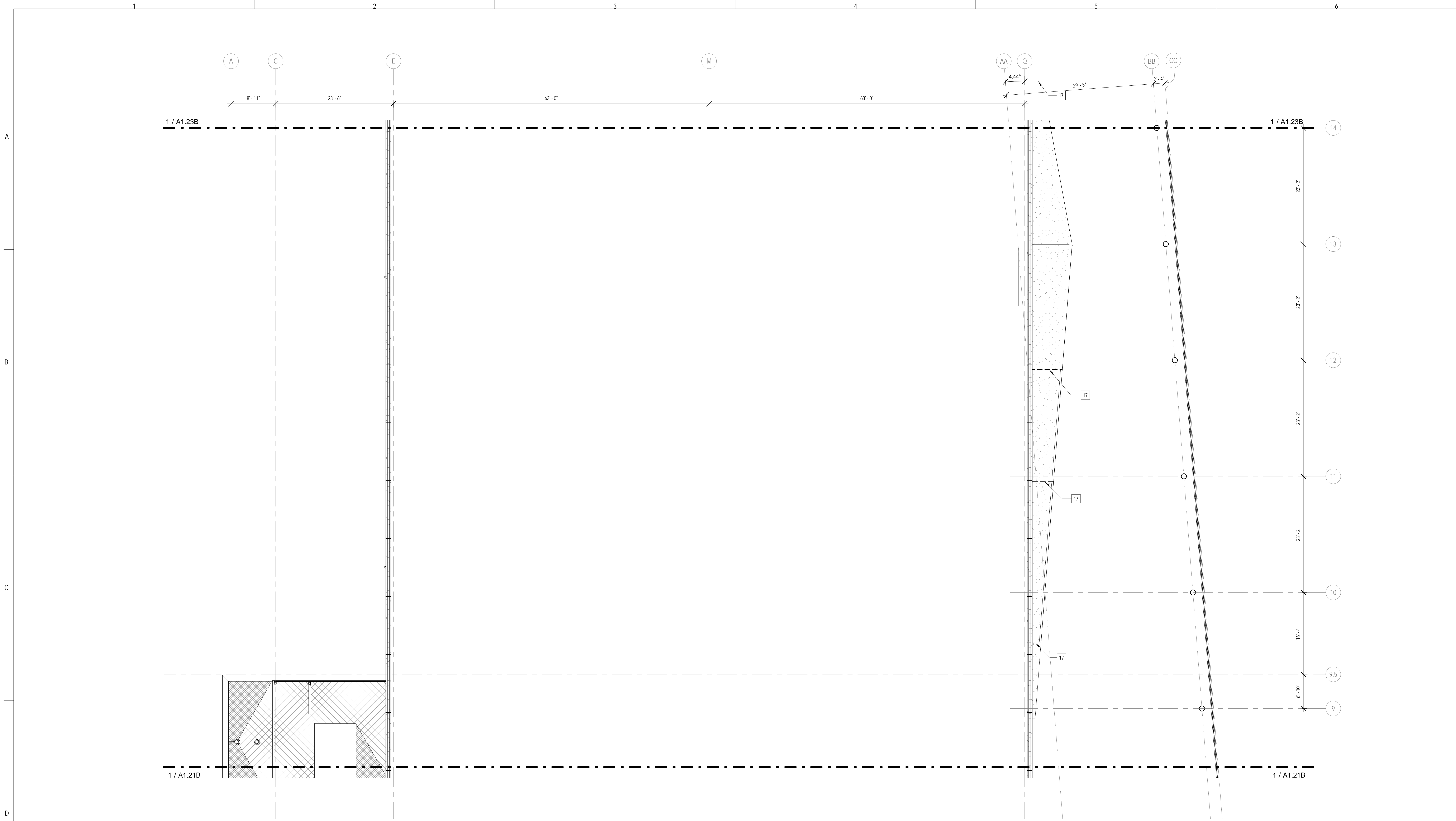


SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

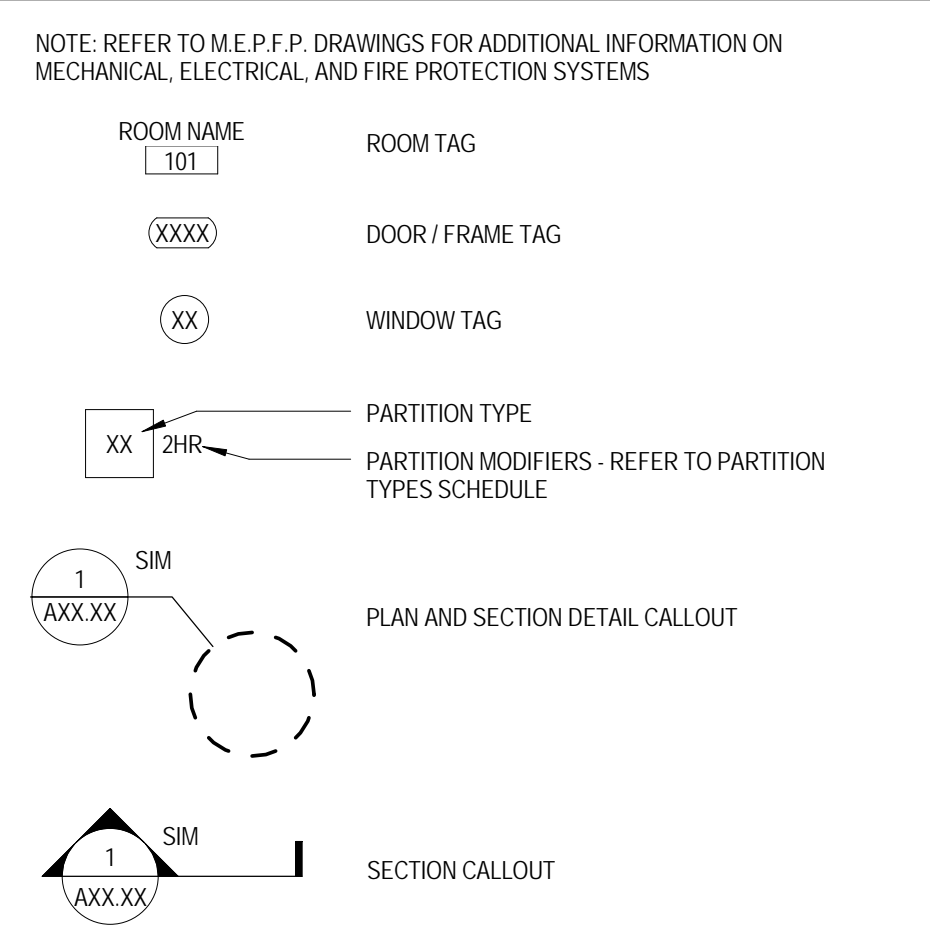
SHEET TITLE:  
**LEVEL 2  
 DIMENSION PLAN  
 AREA 2**

SHEET NUMBER:  
**A1.22B**



**1 LEVEL 2 - AREA 2 DIMENSION PLAN**  
 1/8" = 1'-0"

**FLOOR PLAN & SECTION SYMBOLS LEGEND:**



**FLOOR PLAN GENERAL NOTES:**

- ALL INTERIOR CMU PARTITIONS ARE TYPE M1C UNLESS NOTED OTHERWISE.
- ALL INTERIOR GYPSUM BOARD PARTITIONS ARE TYPE S1B UNLESS NOTED OTHERWISE.
- FINISH FLOOR ELEVATION OF 0'-0" - XXX.X USGS AS NOTED ON SHEET C.X.XX.
- ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION OF 0'-0". REFER TO CIVIL DRAWINGS FOR COORDINATING USGS ELEVATION.
- REFER TO CODE PLANS ON SHEETS A0.XX THRU A0.XX FOR FIRE RATINGS AND AREA SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.
- DO NOT SCALE DRAWINGS.
- NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO WORK COMMENCING.
- NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF EXISTING CONDITIONS AND IN-FIELD DIMENSIONS PRIOR TO COMMENCING WORK.
- ALL INTERIOR DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS NOTED OTHERWISE.
- PROVIDE ACCESS PANELS AT LOCATIONS INDICATED AND AS REQUIRED FOR ACCESS TO EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, MECHANICAL, PLUMBING AND ELECTRICAL WORK. PAINT ACCESS PANELS TO MATCH ADJACENT WALL OR CEILING FINISH.
- REFER TO A10.00 FOR PARTITION SCHEDULE.
- REFER TO EXTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR CONSTRUCTION OF EXTERIOR WALLS.

**FLOOR PLAN REFERENCED NOTES:**

- OPERABLE PARTITION
- DIVIDER CURTAIN
- CEILING MOUNTED BASKETBALL BACKBOARD
- PROVIDE BLACK PAINT FINISH AT METAL FILLER PANELS AT ENDS/CORNERS, AND AT SLOPED LOCKER TOPS
- METAL LOCKERS WITHOUT HATCH INFILL TO BE BLACK PAINT FINISH. METAL LOCKERS WITH HATCH INFILL TO BE CUSTOM GRAY PAINT FINISH. LOCKERS WITH 'A' DESIGNATION TO BE ADA TYPE.
- PROVIDE TOILET ACCESSORY TA-SA.
- PROVIDE TWO FRAMELESS MIRRORS AT 48" X 72"
- GROUND FACE CMU - COLOR 1
- GROUND FACE CMU - COLOR 2
- GROUND FACE CMU - COLOR 3
- HYDROTHERAPY TUB N.I.C.
- TELESCOPING BLEACHER
- DIVIDER CURTAIN, TYPE A
- DIVIDER CURTAIN, TYPE S
- VOLLEYBALL FLOOR SLEEVE - COORDINATE THICKENED SLAB REQUIREMENTS WITH MANUFACTURER.
- PAINT ALL WALLS P-1 FLOORING TO BE SEALED CONCRETE. REFER TO FINISH LEGEND FOR FINISH DESIGNATIONS.
- CONTROL JOINT IN GYP. BD. FACE (FYP) - ALIGN WITH CONTROL JOINT ON VERTICAL FACE OF GYP. BD. PARTITION.
- SLOPE SURFACE OF ZINC COMPOSITE PANEL AT 1/4" PER FOOT
- PROVIDE SINGLE-TIER WOOD LOCKERS. LOCKERS WITH 'A' DESIGNATION TO BE ADA TYPE.



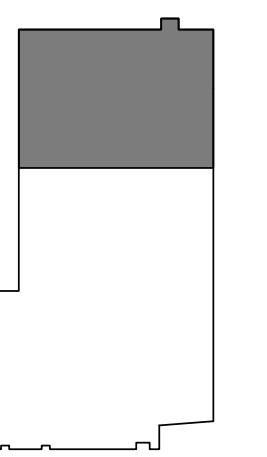
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



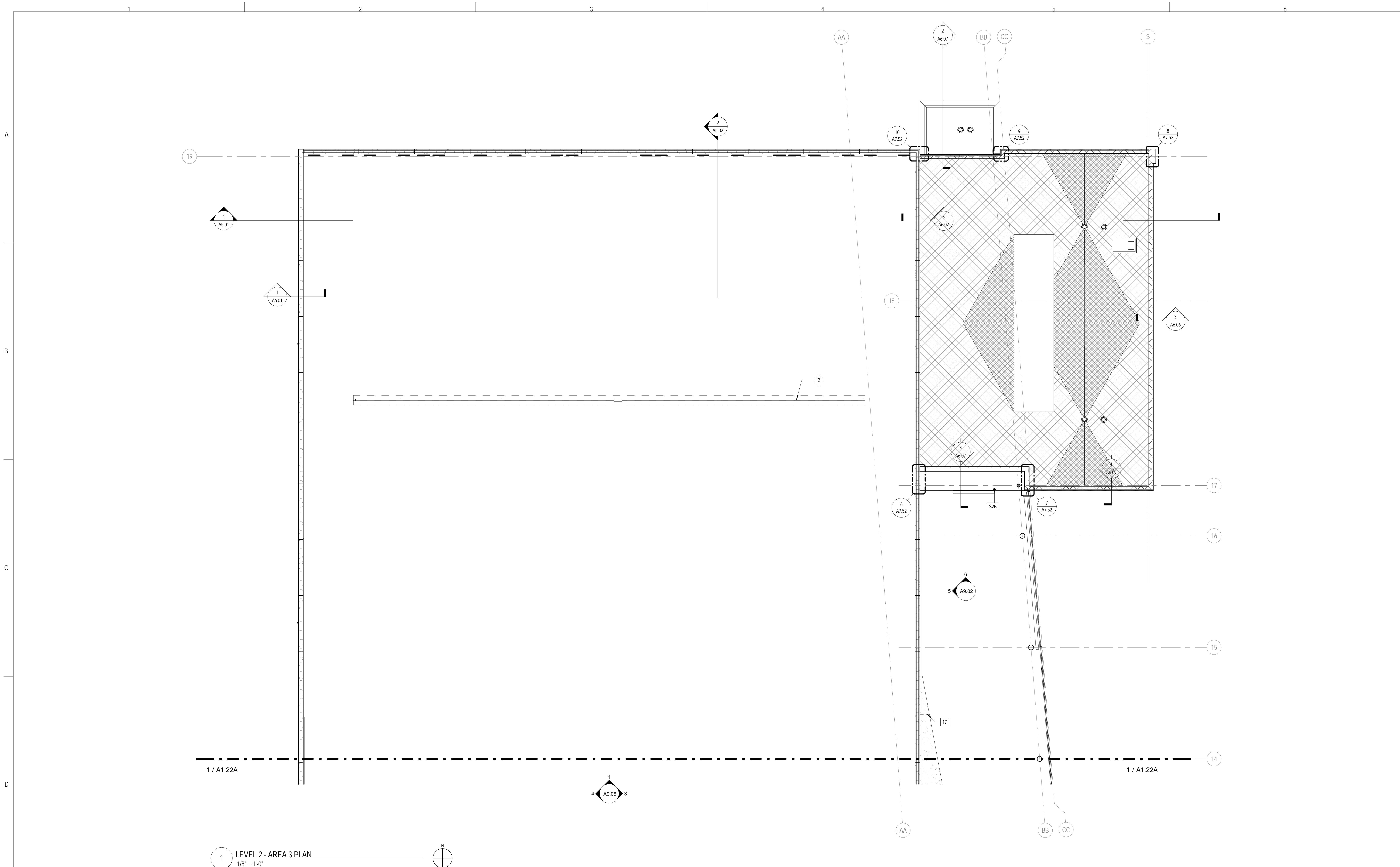
SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2 PLAN  
 AREA 3**

SHEET NUMBER:

**A1.23A**



**1 LEVEL 2 - AREA 3 PLAN**  
 1/8" = 1'-0"

FLOOR PLAN & SECTION SYMBOLS LEGEND:	
NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS	
ROOM NAME 101	ROOM TAG
XXXX	DOOR / FRAME TAG
XX	WINDOW TAG
XX 2HR	PARTITION TYPE
XX 2HR	PARTITION MODIFIERS - REFER TO PARTITION TYPES SCHEDULE
1 SIM XXXX	PLAN AND SECTION DETAIL CALLOUT
1 SIM XXXX	SECTION CALLOUT
A101	ELEVATION CALLOUT
DATUM ELEVATION	DATUM TAG
1	NEW WORK REFERENCED NOTES
1	DEMOLITION REFERENCED NOTES
TA-XX	TOILET ACCESSORY TAG
1	CASEWORK TAG
1	EQUIPMENT TAG

**FLOOR PLAN GENERAL NOTES:**

- ALL INTERIOR CMU PARTITIONS ARE TYPE M1C UNLESS NOTED OTHERWISE.
- ALL INTERIOR GYPSUM BOARD PARTITIONS ARE TYPE S1B UNLESS NOTED OTHERWISE.
- FINISH FLOOR ELEVATION OF 0'-0" - XXXX USGS AS NOTED ON SHEET C-X-XX.
- ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION OF 0'-0". REFER TO CIVIL DRAWINGS FOR COORDINATING USGS ELEVATION.
- REFER TO CODE PLANS ON SHEETS A0-XX THRU A0-XX FOR FIRE RATINGS AND AREA SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.
- DO NOT SCALE DRAWINGS.
- NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO WORK COMMENCING.
- NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF EXISTING CONDITIONS AND IN-FIELD DIMENSIONS PRIOR TO COMMENCING WORK.
- ALL INTERIOR DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS NOTED OTHERWISE.
- PROVIDE ACCESS PANELS AT LOCATIONS INDICATED AND AS REQUIRED FOR ACCESS TO EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, MECHANICAL, PLUMBING AND ELECTRICAL WORK. PAINT ACCESS PANELS TO MATCH ADJACENT WALL OR CEILING FINISH.
- REFER TO A10.0 FOR PARTITION SCHEDULE.
- REFER TO EXTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR CONSTRUCTION OF EXTERIOR WALLS.

**FLOOR PLAN REFERENCED NOTES:**

- OPERABLE PARTITION
- DIVIDER CURTAIN
- CEILING MOUNTED BASKETBALL BACKBOARD
- PROVIDE BLACK PAINT FINISH AT METAL FILLER PANELS AT ENDS/CORNERS, AND AT SLOPED LOCKER TOPS.
- METAL LOCKERS WITHOUT HATCH INFILL TO BE BLACK PAINT FINISH. METAL LOCKERS WITH HATCH INFILL TO BE CUSTOM GRAY PAINT FINISH. LOCKERS WITH 'A' DESIGNATION TO BE ADA TYPE.
- PROVIDE TOILET ACCESSORY TA-5A.
- PROVIDE TWO FRAMELESS MIRRORS AT 48"W X 72"H.
- GROUND FACE CMU - COLOR 1.
- GROUND FACE CMU - COLOR 2.
- GROUND FACE CMU - COLOR 3.
- HYDROTHERAPY TUB N.I.C.
- TELESCOPING BLEACHER.
- DIVIDER CURTAIN, TYPE A.
- DIVIDER CURTAIN, TYPE B.
- VOLLEYBALL FLOOR SLEEVE - COORDINATE THICKENED SLAB REQUIREMENTS WITH MANUFACTURER.
- PAINT ALL WALLS P-1 FLOORING TO BE SEALED CONCRETE. REFER TO FINISH LEGEND FOR FINISH DESIGNATIONS.
- CONTROL JOINT IN GYP. BD. FACE (TYP.) - ALIGN WITH CONTROL JOINT ON VERTICAL FACE OF GYP. BD. PARTITION.
- SLOPE SURFACE OF ZINC COMPOSITE PANEL AT 1/4" PER FOOT.
- PROVIDE SINGLE-TIER WOOD LOCKERS. LOCKERS WITH 'A' DESIGNATION TO BE ADA TYPE.





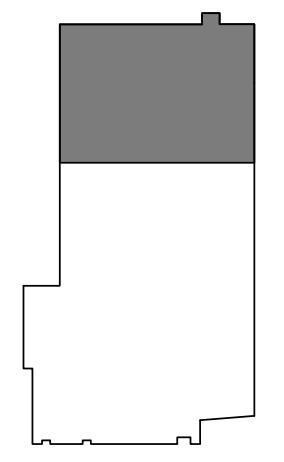
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

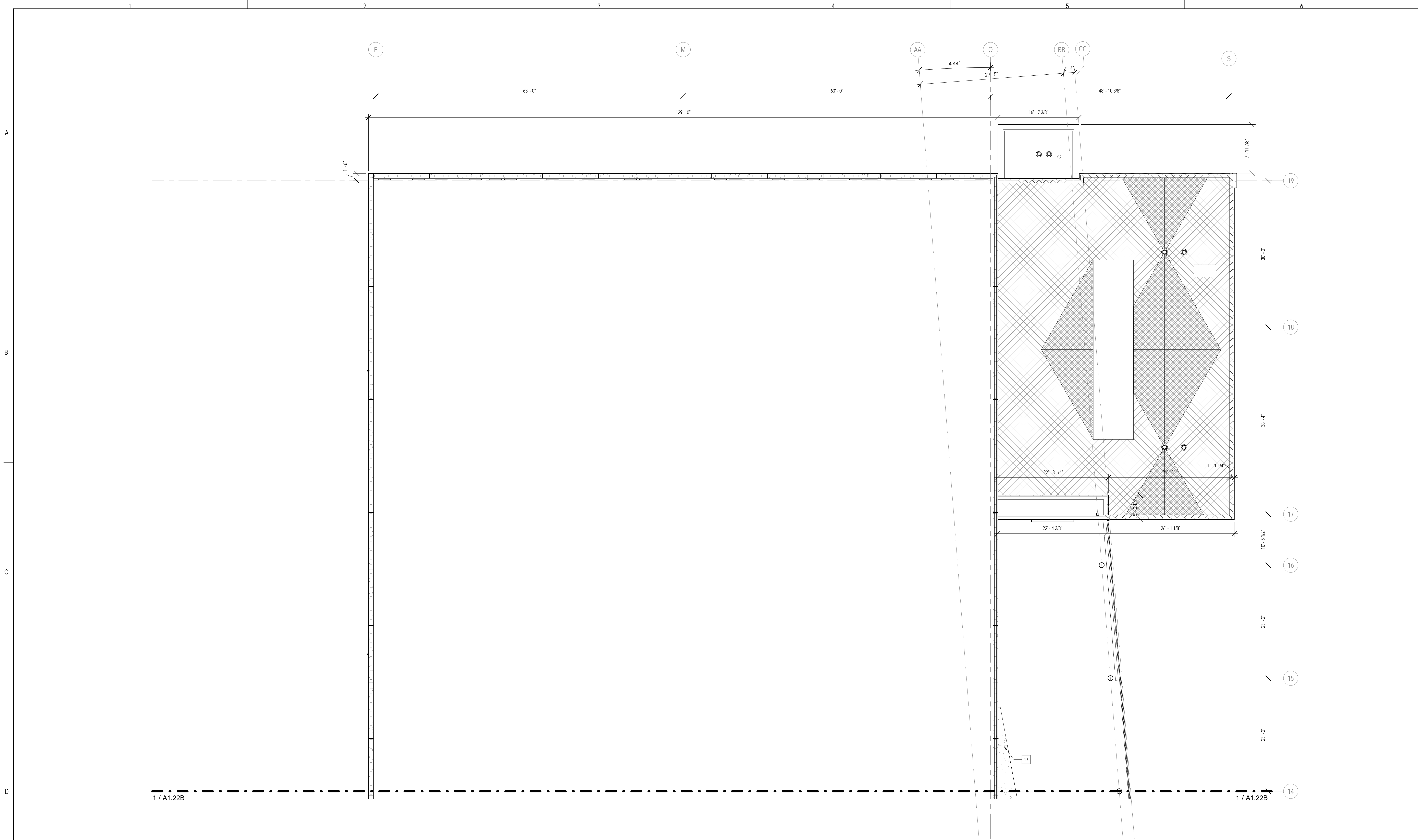


SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2  
 DIMENSION PLAN  
 AREA 3**

SHEET NUMBER:  
**A1.23B**



**1 LEVEL 2 - AREA 3 DIMENSION PLAN**  
 1/8" = 1'-0"

FLOOR PLAN & SECTION SYMBOLS LEGEND:	
NOTE: REFER TO M.E.P.F. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS.	
ROOM NAME TAG [ ] 101	ELEVATION CALLOUT A101
DOOR / FRAME TAG [ ]	DATUM TAG [ ]
WINDOW TAG [ ]	NEW WORK REFERENCED NOTES [ ]
PARTITION TYPE [ ] 2HR	DEMOLITION REFERENCED NOTES [ ]
PARTITION MODIFIERS - REFER TO PARTITION TYPES SCHEDULE	TOILET ACCESSORY TAG TA-XX
PLAN AND SECTION DETAIL CALLOUT [ ]	CASEWORK TAG [ ]
SECTION CALLOUT [ ]	EQUIPMENT TAG [ ]

FLOOR PLAN GENERAL NOTES:
1. ALL INTERIOR CMU PARTITIONS ARE TYPE M1C UNLESS NOTED OTHERWISE.
2. ALL INTERIOR GYPSUM BOARD PARTITIONS ARE TYPE S1B UNLESS NOTED OTHERWISE.
3. FINISH FLOOR ELEVATION OF 0'-0" - XXX'X USGS AS NOTED ON SHEET C-XXX.
4. ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION OF 0'-0". REFER TO CIVIL DRAWINGS FOR COORDINATING USGS ELEVATION.
5. REFER TO CODE PLANS ON SHEETS A0-XX THRU A0-XX FOR FIRE RATINGS AND AREA SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.
6. DO NOT SCALE DRAWINGS.
7. NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO WORK COMMENCING.
8. NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF EXISTING CONDITIONS AND IN-FIELD DIMENSIONS PRIOR TO COMMENCING WORK.
10. ALL INTERIOR DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS NOTED OTHERWISE.
11. PROVIDE ACCESS PANELS AT LOCATIONS INDICATED AND AS REQUIRED FOR ACCESS TO EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, MECHANICAL, PLUMBING AND ELECTRICAL WORK. PAINT ACCESS PANELS TO MATCH ADJACENT WALL OR CEILING FINISH.
12. REFER TO A10.00 FOR PARTITION SCHEDULE.
13. REFER TO EXTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR CONSTRUCTION OF EXTERIOR WALLS.

FLOOR PLAN REFERENCED NOTES:
1. OPERABLE PARTITION
2. DIVIDER CURTAIN
3. CEILING MOUNTED BASKETBALL BACKBOARD
4. PROVIDE BLACK PAINT FINISH AT METAL FILLER PANELS AT ENDCORNERS, AND AT SLOPED LOCKER TOPS.
5. METAL LOCKERS WITHOUT HATCH INFILL TO BE BLACK PAINT FINISH METAL LOCKERS WITH HATCH INFILL TO BE CUSTOM GRAY PAINT FINISH LOCKERS WITH 'A' DESIGNATION TO BE ADA TYPE.
6. PROVIDE TOILET ACCESSORY TA-5A.
7. PROVIDE TWO FRAMELESS MIRRORS AT 48"W X 72"H.
8. GROUND FACE CMU - COLOR 1.
9. GROUND FACE CMU - COLOR 2.
10. GROUND FACE CMU - COLOR 3.
11. HYDROTHERAPY TUB IN I.C.
12. TELESCOPING BLEACHER.
13. DIVIDER CURTAIN, TYPE A.
14. DIVIDER CURTAIN, TYPE B.
15. VOLLEYBALL FLOOR SLEEVE - COORDINATE THICKENED SLAB REQUIREMENTS WITH MANUFACTURER.
16. PAINT ALL WALLS P-1 FLOORING TO BE SEALED CONCRETE. REFER TO FINISH LEGEND FOR FINISH DESIGNATIONS.
17. CONTROL JOINT IN GYP. BD. FACE (TYP) - ALIGN WITH CONTROL JOINT ON VERTICAL FACE OF GYP. BD. PARTITION.
18. SLOPE SURFACE OF FIN. COMPOSITE PANEL AT 1/4" PER FOOT.
19. PROVIDE SINGLE TIER WOOD LOCKERS, LOCKERS WITH 'A' DESIGNATION TO BE ADA TYPE.

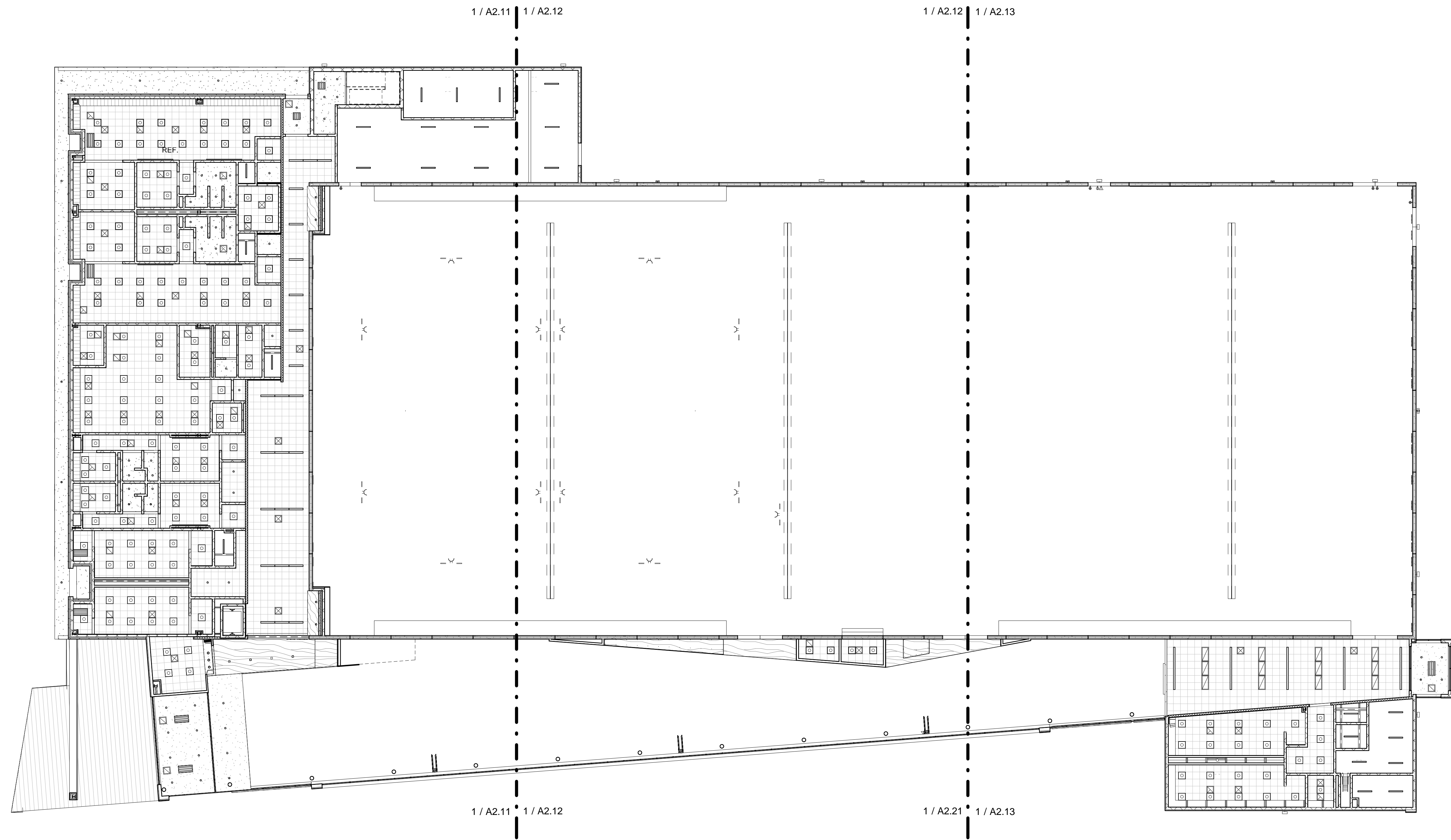


ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



**1 LEVEL 1 - OVERALL RCP**  
 1/16" = 1'-0"

RCP SYMBOLS LEGEND:		
NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS		RECESSED 2x2 FLUORESCENT FIXTURE
	CEILING TYPE	
	CEILING ELEVATION A.F.F.	
	SUSPENDED ACOUSTICAL TILE CEILING	
	GYPSUM BOARD CEILING OR SOFFIT	
	PERFORATED METAL CEILING	
	MANUAL ROLLER SHADE	
	MANUAL VERTICAL BLINDS	
	MANUAL PULL-DOWN PROJECTOR SCREEN	
	CEILING MOUNTED PROJECTOR	
	CABINET UNIT HEATER	
	RECESSED FLUORESCENT LIGHT LINEAR FIXTURE	
	WALL LIGHT MOUNT FIXTURE	
	PENDANT LIGHT HUNG STRIP FIXTURE	
	RECESSED LIGHT LINEAR FIXTURE	
	RECESSED DOWN LIGHT	
	SURFACE LIGHT MOUNT FIXTURE	
	PENDANT LIGHT MOUNT FIXTURE	
	SPRINKLER HEAD	
	RETURN AIR GRILLE	
	SUPPLY AIR GRILLE	
	EXHAUST GRILLE	
	LINEAR DIFFUSER - SUPPLY/RETURN	
	ACCESS PANEL	
	EXIT SIGN- SEE CODE COMPLIANCE PLAN	
	HEAT DETECTOR	
	SMOKE DETECTOR	
	FIRE ALARM DEVICE	
	SPEAKER	
	CLOSED CIRCUIT CAMERA	
	AV SYSTEMS CAMERA	
	OCCUPANT SENSOR	
	WIRELESS ACCESS POINT	
	LIGHT SENSOR	
	VACANCY SENSOR	

**RCP GENERAL NOTES:**

- ALL HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION ITEMS ARE SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS FOR REFERENCE AND COORDINATION ONLY. REFER TO HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR ACTUAL QUANTITIES. IN CASE OF CONFLICT THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL GOVERN LOCATION OF THESE ITEMS.
- IN AREAS THAT DO NOT HAVE ARCHITECTURAL REFLECTED CEILING PLANS YET REQUIRE NEW ITEMS TO BE INSTALLED IN OR ABOVE THE CEILING PLANE, CONTRACTOR SHALL REMOVE AND REINSTALL, REPLACE OR MODIFY EXISTING CEILING CONSTRUCTION TO ACCOMMODATE NEW WORK. ANY NEW CEILING AREAS SHALL MATCH EXISTING ADJACENT FINISHES.
- CENTER ALL FIXTURES IN CEILING TILES AND FIELD VERIFY GRID LAYOUT FOR PROPER FIXTURE LOCATION. ALIGN ALL FIXTURES IN BOTH DIRECTIONS OF CEILING TILE (UNO).
- CENTER ALL SPRINKLER HEADS IN CEILING TILES.
- ALL GYP. BD. CEILINGS TO BE PAINTED P-1 UNLESS OTHERWISE NOTED ON PLANS
- EXTEND FACE OF ALL GYP. BD. SOFFITS AND HEADERS 4" MIN. BEYOND FINISHED CEILING ABOVE U.N.O.
- PAINT ALL EXPOSED CEILINGS SCHEDULED TO BE PAINTED P-2, INCLUDING STRUCTURE, DECK, AND HVAC ITEMS, UNLESS NOTED OTHERWISE.
- ALL GYP. BD. HEADERS TO BE 8'-0" A.F.F., U.N.O.

**RCP REFERENCED NOTES:**

- PAINT EXPOSED BEAMS WITH P-2 PAINT
- PROVIDE 2" PERIMETER TRIM
- PROVIDE 4" PERIMETER TRIM
- PROVIDE 4" PERIMETER TRIM
- DASHED LINE ABOVE INDICATES HEADER ABOVE
- POCKET FOR CURTAIN TRACK
- PAINT EXPOSED CEILING TO EXTENTS VISIBLE BEYOND ADJ. FINISHED CEILING
- ALIGN CONTROL JOINT WITH STEEL COLUMN, U.N.O.
- SKYLIGHT OPENING
- MULTISPORT CAGE
- DIVIDER CURTAIN - TYPE A
- DIVIDER CURTAIN - TYPE B
- SIDE FOLDING BACKSTOP WITH ELECTRONIC SCOREBOARD TYPE 1
- FORWARD FOLDING BACKSTOP
- ROLLER SHADE - TYPE 1
- DASHED LINES INDICATE WOOD PANEL SEAMS
- DASHED LINES INDICATED GYP. CONTROL JOINT, TYP.
- PAINT DIFFUSERS, P-4 TO MATCH GYP. CEILING
- ROLLERSHADE - TYPE 2

CEILING TYPES:	
TYPE	DESCRIPTION
0	PAINTED EXPOSED STRUCTURE - P-2
1	1/2" PAINTED GYP BOARD ON METAL FRAMING
2	INTERIOR PLASTER CEILING SYSTEM ON COLD-FORMED METAL FRAMING
3	EXTERIOR PLASTER CEILING SYSTEM ON COLD-FORMED METAL FRAMING
4	2X2 ACOUSTICAL PANEL CEILING SYSTEM
5	2X2 ACOUSTICAL PANEL CEILING SYSTEM - HIGH HUMIDITY
6	2X4 ACOUSTICAL PANEL CEILING SYSTEM
7	FLATLOCK ZINC PANEL SYSTEM - COLOR 2
8	EXPOSED STRUCTURE - UNPAINTED
9	WOOD VENEER PANEL
10	ZINC COMPOSITE PANEL
11	1/2" PAINTED GYP BOARD ON DRYWALL SUSPENSION SYSTEM

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1  
 OVERALL RCP**

SHEET NUMBER:  
**A2.10**



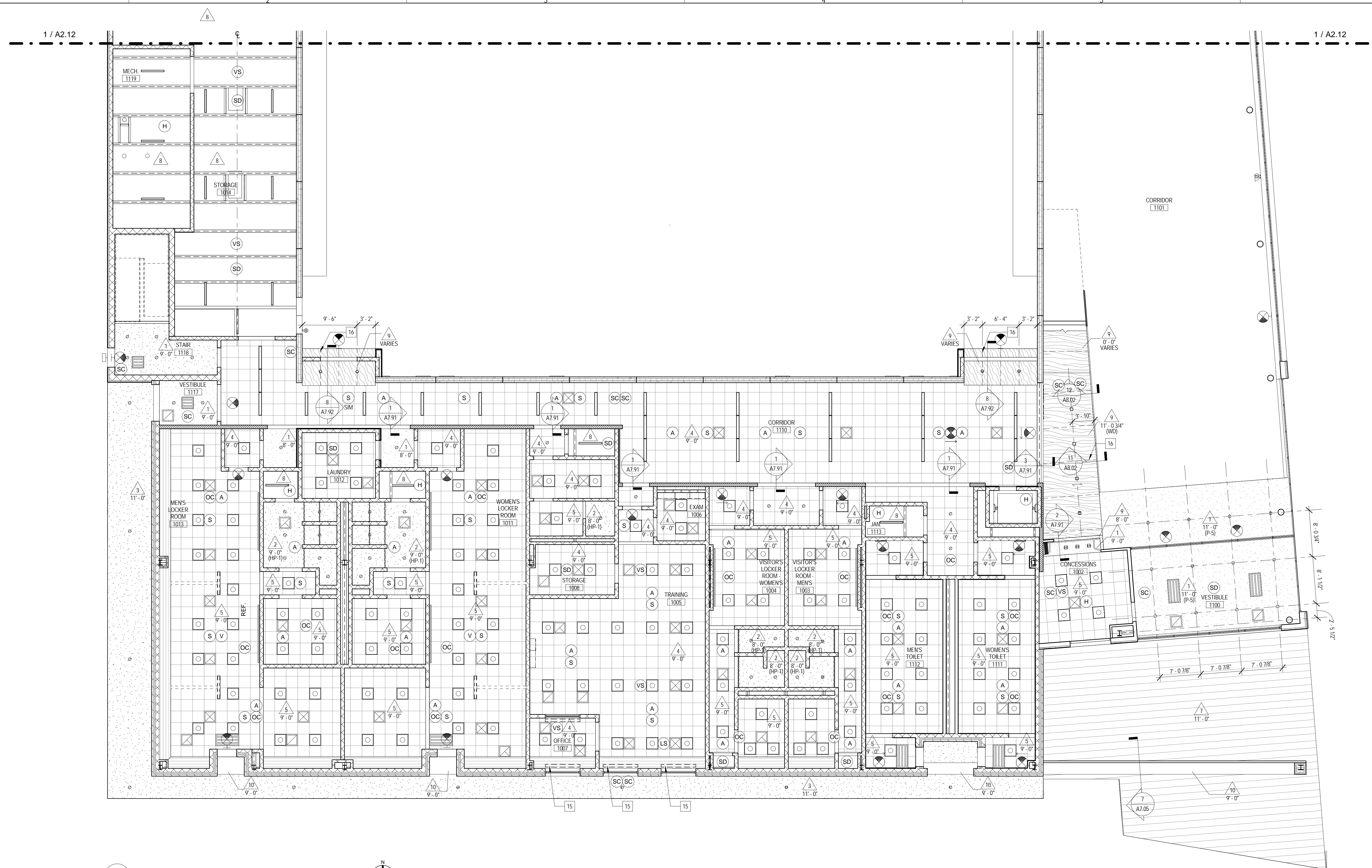


ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



1 LEVEL 1 - AREA 1 RCP  
 1/8" = 1'-0"

**RCP SYMBOLS LEGEND:**

NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

- CEILING TYPE
- CEILING ELEVATION A.F.F.
- SUSPENDED ACOUSTICAL TILE CEILING
- GYPSUM BOARD CEILING OR SOFFIT
- PERFORATED METAL CEILING
- MANUAL ROLLER SHADE
- MANUAL VERTICAL BLINDS
- MANUAL PULL-DOWN PROJECTOR SCREEN
- CEILING MOUNTED PROJECTOR
- CABINET UNIT HEATER

- RECESSED 2x2 FLUORESCENT FIXTURE
- RECESSED FLUORESCENT LIGHT LINEAR FIXTURE
- WALL LIGHT MOUNT FIXTURE
- PENDANT LIGHT HUNG STRIP FIXTURE
- RECESSED LIGHT LINEAR FIXTURE
- RECESSED DOWN LIGHT
- SURFACE LIGHT MOUNT FIXTURE
- PENDANT LIGHT MOUNT FIXTURE
- SPRINKLER HEAD
- RETURN AIR GRILLE
- SUPPLY AIR GRILLE
- EXHAUST GRILLE
- LINEAR DIFFUSER - SUPPLY/RETURN
- ACCESS PANEL
- EXIT SIGN - SEE CODE COMPLIANCE PLAN
- HEAT DETECTOR
- SMOKE DETECTOR
- FIRE ALARM DEVICE
- SPEAKER
- CLOSED CIRCUIT CAMERA
- AV SYSTEMS CAMERA
- OCCUPANT SENSOR
- WIRELESS ACCESS POINT
- LIGHT SENSOR
- VACANCY SENSOR

**RCP GENERAL NOTES:**

- ALL HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION ITEMS ARE SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS FOR REFERENCE AND COORDINATION ONLY. REFER TO HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR ACTUAL QUANTITIES. IN CASE OF CONFLICT THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL GOVERN LOCATION OF THESE ITEMS.
- IN AREAS THAT DO NOT HAVE ARCHITECTURAL REFLECTED CEILING PLANS YET REQUIRE NEW ITEMS TO BE INSTALLED IN OR ABOVE THE CEILING PLANE, CONTRACTOR SHALL REMOVE AND REINSTALL, REPLACE OR MODIFY EXISTING CEILING CONSTRUCTION TO ACCOMMODATE NEW WORK. ANY NEW CEILING AREAS SHALL MATCH EXISTING ADJACENT FINISHES.
- CENTER ALL FIXTURES IN CEILING TILES AND FIELD VERIFY GRID LAYOUT FOR PROPER FIXTURE LOCATION. ALIGN ALL FIXTURES IN BOTH DIRECTIONS OF CEILING TILE (UNO).
- CENTER ALL SPRINKLER HEADS IN CEILING TILES.
- ALL GYP. BD. CEILINGS TO BE PAINTED P-1 UNLESS OTHERWISE NOTED ON PLANS
- EXTEND FACE OF ALL GYP. BD. SOFFITS AND HEADERS 6" MIN. BEYOND FINISHED CEILING ABOVE U.N.O.
- PAINT ALL EXPOSED CEILINGS SCHEDULED TO BE PAINTED P-2, INCLUDING STRUCTURE, DECK, AND HVAC ITEMS, UNLESS NOTED OTHERWISE.
- ALL GYP. BD. HEADERS TO BE 8'-0" A.F.F., U.N.O.

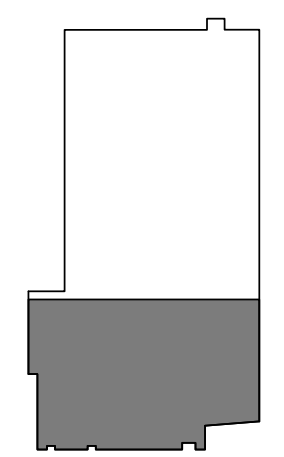
**RCP REFERENCED NOTES:**

- PAINT EXPOSED BEAMS WITH P-2 PAINT
- PROVIDE 2" PERIMETER TRIM
- PROVIDE 6" PERIMETER TRIM
- PROVIDE 4" PERIMETER TRIM
- DASHED LINE ABOVE INDICATES HEADER ABOVE
- POCKET FOR CURTAIN TRACK
- PAINT EXPOSED CEILING TO EXTENTS VISIBLE BEYOND ADJ. FINISHED CEILING
- ALIGN CONTROL JOINT WITH STEEL COLUMN, U.N.O.
- SKYLIGHT OPENING
- MULTI-SPORT CAGE
- DIVIDER CURTAIN - TYPE A
- DIVIDER CURTAIN - TYPE B
- SIDE FOLDING BACKSTOP WITH ELECTRONIC SCOREBOARD TYPE 1
- FORWARD FOLDING BACKSTOP
- ROLLER SHADE - TYPE 1
- DASHED LINES INDICATE WOOD PANEL SEAMS
- DASHED LINES INDICATED GYP. CONTROL JOINT, TYP.
- PAINT DIFFUSERS, P-4 TO MATCH GYP. CEILING
- ROLLERSHADE - TYPE 2

**CEILING TYPES:**

TYPE	DESCRIPTION
0	PAINTED EXPOSED STRUCTURE - P-2
1	1/2" PAINTED GYP BOARD ON METAL FRAMING
2	INTERIOR PLASTER CEILING SYSTEM ON METAL FRAMING
4	2X2 ACOUSTICAL PANEL CEILING SYSTEM
5	EXTERIOR PLASTER CEILING SYSTEM ON COLD-FORMED METAL FRAMING
6	2X2 ACOUSTICAL PANEL CEILING SYSTEM - HIGH HUMIDITY
7	2X4 ACOUSTICAL PANEL CEILING SYSTEM
8	EXPOSED STRUCTURE - UNPAINTED
9	WOOD VENEER PANEL
10	ZINC COMPOSITE PANEL
11	1/2" PAINTED GYP BOARD ON DRYWALL SUSPENSION SYSTEM

KEY PLAN:



SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1 RCP  
 AREA 1**

SHEET NUMBER:  
**A2.11**



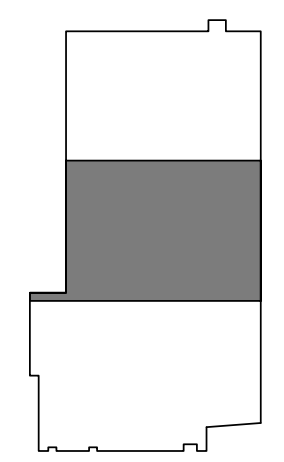
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

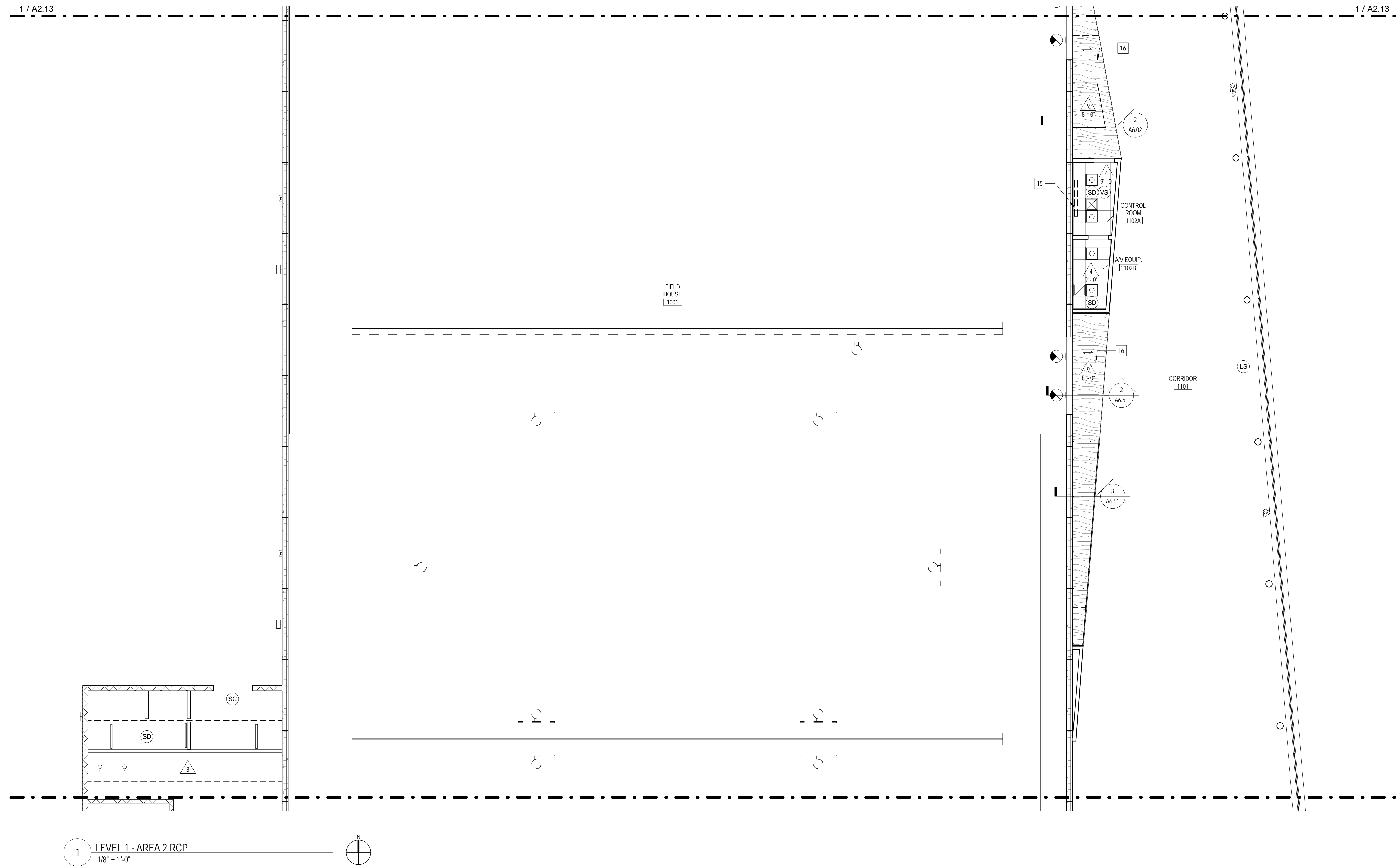


SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1 RCP  
 AREA 2**

SHEET NUMBER:  
**A2.12**



**1 LEVEL 1 - AREA 2 RCP**  
 1/8" = 1'-0"

**RCP SYMBOLS LEGEND:**

NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

- CEILING TYPE
- CEILING ELEVATION A.F.F.
- SUSPENDED ACOUSTICAL TILE CEILING
- GYPSUM BOARD CEILING OR SOFFIT
- PERFORATED METAL CEILING
- MANUAL ROLLER SHADE
- MANUAL VERTICAL BLINDS
- MANUAL PULL-DOWN PROJECTOR SCREEN
- CEILING MOUNTED PROJECTOR
- CABINET UNIT HEATER

- RECESSED 2x2 FLUORESCENT FIXTURE
- RECESSED FLUORESCENT LIGHT LINEAR FIXTURE
- WALL LIGHT MOUNT FIXTURE
- PENDANT LIGHT HUNG STRIP FIXTURE
- RECESSED LIGHT LINEAR FIXTURE
- RECESSED DOWN LIGHT
- SURFACE LIGHT MOUNT FIXTURE
- PENDANT LIGHT MOUNT FIXTURE
- SPRINKLER HEAD
- RETURN AIR GRILLE
- SUPPLY AIR GRILLE
- EXHAUST GRILLE

- LINEAR DIFFUSER - SUPPLY/RETURN
- ACCESS PANEL
- EXIT SIGN - SEE CODE COMPLIANCE PLAN
- HEAT DETECTOR
- SMOKE DETECTOR
- FIRE ALARM DEVICE
- SPEAKER
- CLOSED CIRCUIT CAMERA
- AV SYSTEMS CAMERA
- OCCUPANT SENSOR
- WIRELESS ACCESS POINT
- LIGHT SENSOR
- VACANCY SENSOR

**RCP GENERAL NOTES:**

- ALL HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION ITEMS ARE SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS FOR REFERENCE AND COORDINATION ONLY. REFER TO HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR ACTUAL QUANTITIES. IN CASE OF CONFLICT THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL GOVERN LOCATION OF THESE ITEMS.
- IN AREAS THAT DO NOT HAVE ARCHITECTURAL REFLECTED CEILING PLANS YET REQUIRE NEW ITEMS TO BE INSTALLED IN OR ABOVE THE CEILING PLANE, CONTRACTOR SHALL REMOVE AND REINSTALL, REPLACE OR MODIFY EXISTING CEILING CONSTRUCTION TO ACCOMMODATE NEW WORK. ANY NEW CEILING AREAS SHALL MATCH EXISTING ADJACENT FINISHES.
- CENTER ALL FIXTURES IN CEILING TILES AND FIELD VERIFY GRID LAYOUT FOR PROPER FIXTURE LOCATION. ALIGN ALL FIXTURES IN BOTH DIRECTIONS OF CEILING TILE (UNO).
- CENTER ALL SPRINKLER HEADS IN CEILING TILES.
- ALL GYP. BD. CEILINGS TO BE PAINTED P-1 UNLESS OTHERWISE NOTED ON PLANS
- EXTEND FACE OF ALL GYP. BD. SOFFITS AND HEADERS 6" MIN. BEYOND FINISHED CEILING ABOVE U.N.O.
- PAINT ALL EXPOSED CEILINGS SCHEDULED TO BE PAINTED P-2, INCLUDING STRUCTURE, DECK, AND HVAC ITEMS, UNLESS NOTED OTHERWISE.
- ALL GYP. BD. HEADERS TO BE 8'-0" A.F.F., U.N.O.

**RCP REFERENCED NOTES:**

- PAINT EXPOSED BEAMS WITH P-2 PAINT
- PROVIDE 2" PERIMETER TRIM
- PROVIDE 4" PERIMETER TRIM
- PROVIDE 4" PERIMETER TRIM
- DASHED LINE ABOVE INDICATES HEADER ABOVE
- POCKET FOR CURTAIN TRACK
- PAINT EXPOSED CEILING TO EXTENTS VISIBLE BEYOND ADJ. FINISHED CEILING
- ALIGN CONTROL JOINT WITH STEEL COLUMN, U.N.O.
- SKYLIGHT OPENING
- MULTI-SPORT CAGE
- DIVIDER CURTAIN - TYPE A
- DIVIDER CURTAIN - TYPE B
- SIDE FOLDING BACKSTOP WITH ELECTRONIC SCOREBOARD TYPE 1
- FORWARD FOLDING BACKSTOP
- ROLLER SHADE - TYPE 1
- DASHED LINES INDICATE WOOD PANEL SEAMS
- DASHED LINES INDICATED GYP. CONTROL JOINT, TYP.
- PAINT DIFFUSERS, P-4 TO MATCH GYP. CEILING
- ROLLERSHADE - TYPE 2

**CEILING TYPES:**

TYPE	DESCRIPTION
0	PAINTED EXPOSED STRUCTURE - P-2
1	1/2" PAINTED GYP BOARD ON METAL FRAMING
2	INTERIOR PLASTER CEILING SYSTEM ON METAL FRAMING
3	EXTERIOR PLASTER CEILING SYSTEM ON COLD-FORMED METAL FRAMING
4	2X2 ACOUSTICAL PANEL CEILING SYSTEM
5	2X2 ACOUSTICAL PANEL CEILING SYSTEM - HIGH HUMIDITY
6	2X2 ACOUSTICAL PANEL CEILING SYSTEM
7	FLATLOCK ZINC PANEL SYSTEM - COLOR 2
8	EXPOSED STRUCTURE - UNPAINTED
9	WOOD VENEER PANEL
10	ZINC COMPOSITE PANEL
11	1/2" PAINTED GYP BOARD ON DRYWALL SUSPENSION SYSTEM



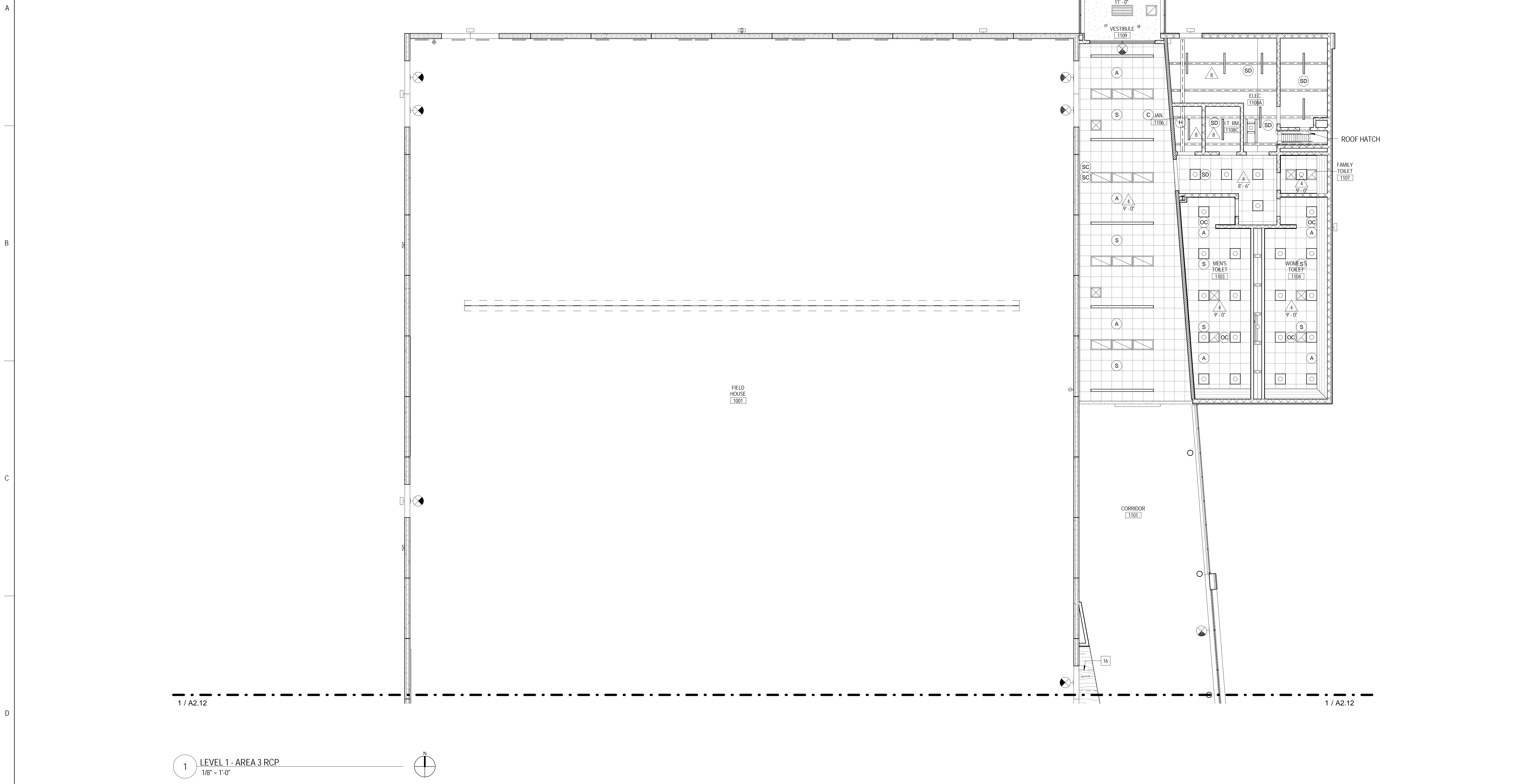


ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



1 LEVEL 1 - AREA 3 RCP  
 1/8" = 1'-0"

RCP SYMBOLS LEGEND:	
	CEILING TYPE
	CEILING ELEVATION A.F.F.
	SUSPENDED ACOUSTICAL TILE CEILING
	GYPSUM BOARD CEILING OR SOFFIT
	PERFORATED METAL CEILING
	MANUAL ROLLER SHADE
	MANUAL VERTICAL BLINDS
	MANUAL PULL-DOWN PROJECTOR SCREEN
	CEILING MOUNTED PROJECTOR
	CABINET UNIT HEATER
	RECESSED 2x2 FLUORESCENT FIXTURE
	RECESSED FLUORESCENT LIGHT LINEAR FIXTURE
	WALL LIGHT MOUNT FIXTURE
	PENDANT LIGHT HUNG STRIP FIXTURE
	RECESSED LIGHT LINEAR FIXTURE
	RECESSED DOWN LIGHT
	SURFACE LIGHT MOUNT FIXTURE
	PENDANT LIGHT MOUNT FIXTURE
	SPRINKLER HEAD
	RETURN AIR GRILLE
	SUPPLY AIR GRILLE
	EXHAUST GRILLE
	LINEAR DIFFUSER - SUPPLY/RETURN
	ACCESS PANEL
	EXIT SIGN- SEE CODE COMPLIANCE PLAN
	HEAT DETECTOR
	SMOKE DETECTOR
	FIRE ALARM DEVICE
	SPEAKER
	CLOSED CIRCUIT CAMERA
	AV SYSTEMS CAMERA
	OCCUPANT SENSOR
	WIRELESS ACCESS POINT
	LIGHT SENSOR
	VACANCY SENSOR

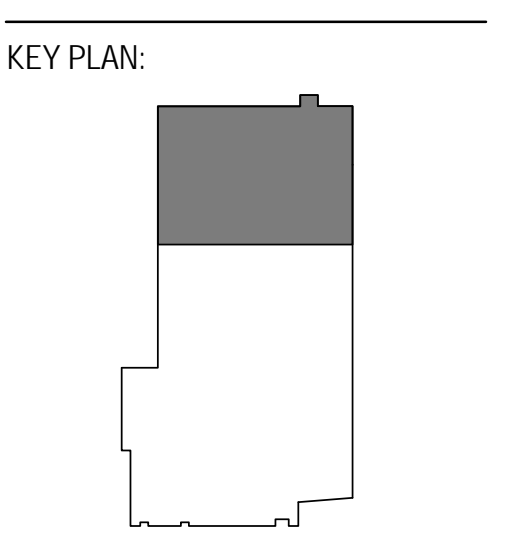
**RCP GENERAL NOTES:**

- ALL HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION ITEMS ARE SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS FOR REFERENCE AND COORDINATION ONLY. REFER TO HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR ACTUAL QUANTITIES. IN CASE OF CONFLICT THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL GOVERN LOCATION OF THESE ITEMS.
- IN AREAS THAT DO NOT HAVE ARCHITECTURAL REFLECTED CEILING PLANS YET REQUIRE NEW ITEMS TO BE INSTALLED IN OR ABOVE THE CEILING PLANE, CONTRACTOR SHALL REMOVE AND REINSTALL, REPLACE OR MODIFY EXISTING CEILING CONSTRUCTION TO ACCOMMODATE NEW WORK. ANY NEW CEILING AREAS SHALL MATCH EXISTING ADJACENT FINISHES.
- CENTER ALL FIXTURES IN CEILING TILES AND FIELD VERIFY GRID LAYOUT FOR PROPER FIXTURE LOCATION. ALIGN ALL FIXTURES IN BOTH DIRECTIONS OF CEILING TILE (UNO).
- CENTER ALL SPRINKLER HEADS IN CEILING TILES.
- ALL GYP. BD. CEILINGS TO BE PAINTED P-1 UNLESS OTHERWISE NOTED ON PLANS
- EXTEND FACE OF ALL GYP. BD. SOFFITS AND HEADERS 6" MIN. BEYOND FINISHED CEILING ABOVE U.N.O.
- PAINT ALL EXPOSED CEILINGS SCHEDULED TO BE PAINTED P-2, INCLUDING STRUCTURE, DECK, AND HVAC ITEMS, UNLESS NOTED OTHERWISE.
- ALL GYP. BD. HEADERS TO BE 8'-0" A.F.F., U.N.O.

**RCP REFERENCED NOTES:**

- PAINT EXPOSED BEAMS WITH P-2 PAINT
- PROVIDE 2" PERIMETER TRIM
- PROVIDE 6" PERIMETER TRIM
- PROVIDE 4" PERIMETER TRIM
- DASHED LINE ABOVE INDICATES HEADER ABOVE
- POCKET FOR CURTAIN TRACK
- PAINT EXPOSED CEILING TO EXTENTS VISIBLE BEYOND ADJ. FINISHED CEILING
- ALIGN CONTROL JOINT WITH STEEL COLUMN, U.N.O.
- SKYLIGHT OPENING
- MULTI-SPORT CAGE
- DIVIDER CURTAIN - TYPE A
- DIVIDER CURTAIN - TYPE B
- SIDE FOLDING BACKSTOP WITH ELECTRONIC SCOREBOARD TYPE 1
- FORWARD FOLDING BACKSTOP
- ROLLER SHADE - TYPE 1
- DASHED LINES INDICATE WOOD PANEL SEAMS
- DASHED LINES INDICATED GYP. CONTROL JOINT, TYP.
- PAINT DIFFUSERS, P-4 TO MATCH GYP. CEILING
- ROLLERSHADE - TYPE 2

CEILING TYPES:	
TYPE	DESCRIPTION
0	PAINTED EXPOSED STRUCTURE - P-2
1	1/2" PAINTED GYP BOARD ON METAL FRAMING
2	INTERIOR PLASTER CEILING SYSTEM ON METAL FRAMING
4	2X2 ACOUSTICAL PANEL CEILING SYSTEM
5	2X2 ACOUSTICAL PANEL CEILING SYSTEM - HIGH HUMIDITY
6	2X2 ACOUSTICAL PANEL CEILING SYSTEM
7	FLATLOCK ZINC PANEL SYSTEM - COLOR 2
8	EXPOSED STRUCTURE - UNPAINTED
9	WOOD VENEER PANEL
10	ZINC COMPOSITE PANEL
11	1/2" PAINTED GYP BOARD ON DRYWALL SUSPENSION SYSTEM



SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1 RCP  
 AREA 3**

SHEET NUMBER:  
**A2.13**

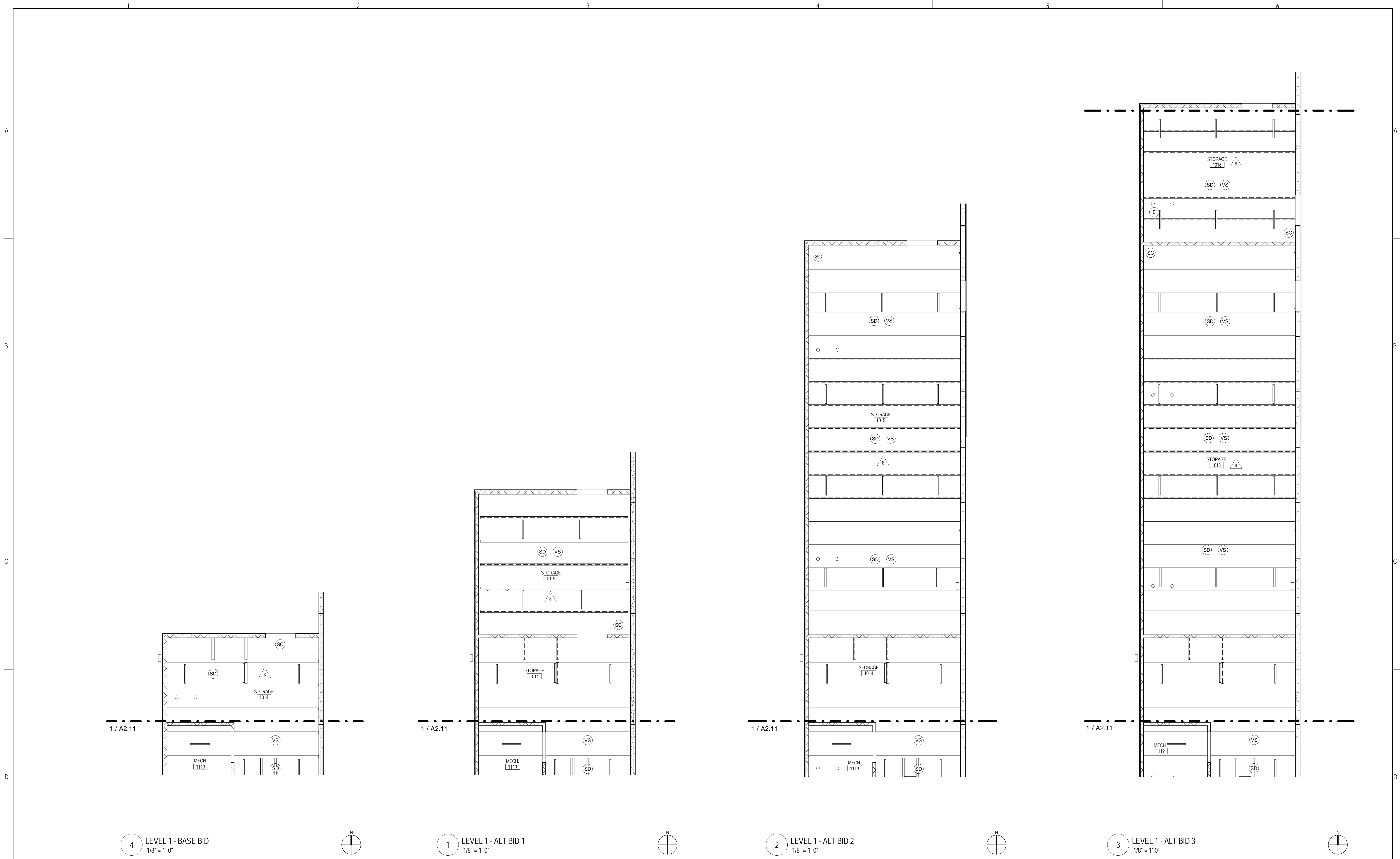


ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



**RCP SYMBOLS LEGEND:**

<p>NOTE: REFER TO M.E.P.F. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS</p> <p> CEILING TYPE</p> <p> CEILING ELEVATION A.F.F.</p> <p> SUSPENDED ACOUSTICAL TILE CEILING</p> <p> GYPSUM BOARD CEILING OR SOFFIT</p> <p> PERFORATED METAL CEILING</p> <p> MANUAL ROLLER SHADE</p> <p> MANUAL VERTICAL BLINDS</p> <p> MANUAL PULL-DOWN PROJECTOR SCREEN</p> <p> CEILING MOUNTED PROJECTOR</p> <p> CABINET UNIT HEATER</p>	<p> RECESSED 2x2 FLUORESCENT FIXTURE</p> <p> RECESSED FLUORESCENT LIGHT LINEAR FIXTURE</p> <p> WALL LIGHT MOUNT FIXTURE</p> <p> PENDANT LIGHT HUNG STRIP FIXTURE</p> <p> RECESSED LIGHT LINEAR FIXTURE</p> <p> RECESSED DOWN LIGHT</p> <p> SURFACE LIGHT MOUNT FIXTURE</p> <p> PENDANT LIGHT MOUNT FIXTURE</p> <p> SPRINKLER HEAD</p> <p> RETURN AIR GRILLE</p> <p> SUPPLY AIR GRILLE</p> <p> EXHAUST GRILLE</p>	<p> LINEAR DIFFUSER - SUPPLY/RETURN</p> <p> ACCESS PANEL</p> <p> EXIT SIGN - SEE CODE COMPLIANCE PLAN</p> <p> HEAT DETECTOR</p> <p> SMOKE DETECTOR</p> <p> FIRE ALARM DEVICE</p> <p> SPEAKER</p> <p> CLOSED CIRCUIT CAMERA</p> <p> AV SYSTEMS CAMERA</p> <p> OCCUPANT SENSOR</p> <p> WIRELESS ACCESS POINT</p> <p> LIGHT SENSOR</p> <p> VACANCY SENSOR</p>
--	--	--

**RCP GENERAL NOTES:**

- ALL HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION ITEMS ARE SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS FOR REFERENCE AND COORDINATION ONLY. REFER TO HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR ACTUAL QUANTITIES. IN CASE OF CONFLICT, THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL GOVERN LOCATION OF THESE ITEMS.
- IN AREAS THAT DO NOT HAVE ARCHITECTURAL REFLECTED CEILING PLANS YET REQUIRE NEW ITEMS TO BE INSTALLED IN OR ABOVE THE CEILING PLANE, CONTRACTOR SHALL REMOVE AND REINSTALL, REPLACE OR MODIFY EXISTING CEILING CONSTRUCTION TO ACCOMMODATE NEW WORK. ANY NEW CEILING AREAS SHALL MATCH EXISTING ADJACENT FINISHES.
- CENTER ALL FIXTURES IN CEILING TILES AND FIELD VERIFY GRID LAYOUT FOR PROPER FIXTURE LOCATION. ALIGN ALL FIXTURES IN BOTH DIRECTIONS OF CEILING TILE (UND).
- CENTER ALL SPRINKLER HEADS IN CEILING TILES.
- ALL GYP. BD. CEILINGS TO BE PAINTED P-1 UNLESS OTHERWISE NOTED ON PLANS
- EXTEND FACE OF ALL GYP. BD. SOFFITS AND HEADERS 6" MIN. BEYOND FINISHED CEILING ABOVE U.N.O.
- PAINT ALL EXPOSED CEILINGS SCHEDULED TO BE PAINTED P-2, INCLUDING STRUCTURE, DECK, AND HVAC ITEMS, UNLESS NOTED OTHERWISE.
- ALL GYP. BD. HEADERS TO BE 6" @ A.F.F., U.N.O.

**RCP REFERENCED NOTES:**

- PAINT EXPOSED BEAMS WITH P-2 PAINT
- PROVIDE 2" PERIMETER TRIM
- PROVIDE 6" PERIMETER TRIM
- PROVIDE 4" PERIMETER TRIM
- DASHED LINE ABOVE INDICATES HEADER ABOVE
- POCKET FOR CURTAIN TRACK
- PAINT EXPOSED CEILING TO EXTENTS VISIBLE BEYOND ADJ. FINISHED CEILING
- ALIGN CONTROL JOINT WITH STEEL COLUMN, U.N.O.
- SKYLIGHT OPENING
- MULTI-SPORT CAGE
- DIVIDER CURTAIN - TYPE A
- DIVIDER CURTAIN - TYPE B
- SIDE-FOLDING BACKSTOP WITH ELECTRONIC SCOREBOARD TYPE 1
- FORWARD-FOLDING BACKSTOP
- ROLLER SHADE - TYPE 1
- DASHED LINES INDICATE WOOD PANEL SEAMS
- DASHED LINES INDICATED GYP. CONTROL JOINT, TYP. CEILING ABOVE U.N.O.
- PAINT DIFFUSERS, P-4 TO MATCH GYP. CEILING
- ROLLERSHADE - TYPE 2

**CEILING TYPES:**

TYPE	DESCRIPTION
0	PAINTED EXPOSED STRUCTURE - P-2
1	1/2" PAINTED GYP BOARD ON METAL FRAMING
2	INTERIOR PLASTER CEILING SYSTEM ON COLD-FORMED METAL FRAMING
3	EXTERIOR PLASTER CEILING SYSTEM ON COLD-FORMED METAL FRAMING
4	2X2 ACOUSTICAL PANEL CEILING SYSTEM
5	2X2 ACOUSTICAL PANEL CEILING SYSTEM - HIGH HUMIDITY
6	2X4 ACOUSTICAL PANEL CEILING SYSTEM
7	FLATLOCK ZINC PANEL SYSTEM - COLOR 2
8	EXPOSED STRUCTURE - UNPAINTED
9	WOOD VENEER PANEL
10	ZINC COMPOSITE PANEL
11	1/2" PAINTED GYP BOARD ON DRYWALL SUSPENSION SYSTEM

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1 RCP -  
 ALTERNATE BID**

SHEET NUMBER:  
**A2.14**



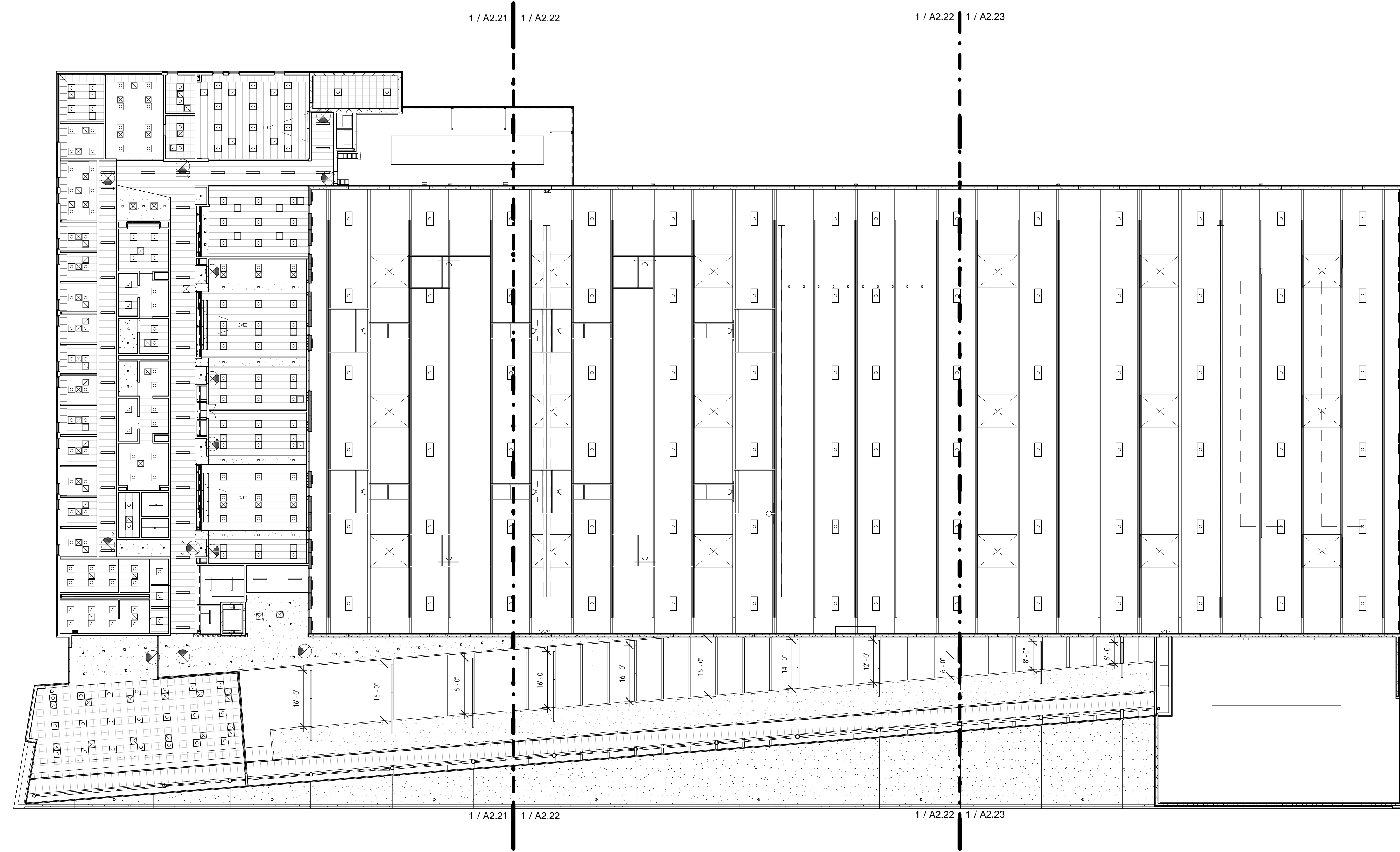


ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



1 LEVEL 2 - OVERALL RCP  
 1/16" = 1'-0"

**RCP SYMBOLS LEGEND:**

NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

- CEILING TYPE
- CEILING ELEVATION A.F.F.
- SUSPENDED ACOUSTICAL TILE CEILING
- GYPSUM BOARD CEILING OR SOFFIT
- PERFORATED METAL CEILING
- MANUAL ROLLER SHADE
- MANUAL VERTICAL BLINDS
- MANUAL PULL-DOWN PROJECTOR SCREEN
- CEILING MOUNTED PROJECTOR
- CABINET UNIT HEATER

- RECESSED 2x2 FLUORESCENT FIXTURE
- RECESSED FLUORESCENT LIGHT LINEAR FIXTURE
- WALL LIGHT MOUNT FIXTURE
- PENDANT LIGHT HUNG STRIP FIXTURE
- RECESSED LIGHT LINEAR FIXTURE
- RECESSED DOWN LIGHT
- SURFACE LIGHT MOUNT FIXTURE
- PENDANT LIGHT MOUNT FIXTURE
- SPRINKLER HEAD
- RETURN AIR GRILLE
- SUPPLY AIR GRILLE
- EXHAUST GRILLE

- LINEAR DIFFUSER - SUPPLY/RETURN
- ACCESS PANEL
- EXIT SIGN - SEE CODE COMPLIANCE PLAN
- HEAT DETECTOR
- SMOKE DETECTOR
- FIRE ALARM DEVICE
- SPEAKER
- CLOSED CIRCUIT CAMERA
- AV SYSTEMS CAMERA
- OCCUPANT SENSOR
- WIRELESS ACCESS POINT
- LIGHT SENSOR
- VACANCY SENSOR

**RCP GENERAL NOTES:**

1. ALL HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION ITEMS ARE SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS FOR REFERENCE AND COORDINATION ONLY. REFER TO HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR ACTUAL QUANTITIES. IN CASE OF CONFLICT THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL GOVERN LOCATION OF THESE ITEMS.
2. IN AREAS THAT DO NOT HAVE ARCHITECTURAL REFLECTED CEILING PLANS YET REQUIRE NEW ITEMS TO BE INSTALLED IN OR ABOVE THE CEILING PLANE, CONTRACTOR SHALL REMOVE AND REINSTALL, REPLACE OR MODIFY EXISTING CEILING CONSTRUCTION TO ACCOMMODATE NEW WORK. ANY NEW CEILING AREAS SHALL MATCH EXISTING ADJACENT FINISHES.
3. CENTER ALL FIXTURES IN CEILING TILES AND FIELD VERIFY GRID LAYOUT FOR PROPER FIXTURE LOCATION. ALIGN ALL FIXTURES IN BOTH DIRECTIONS OF CEILING TILE (UNO).
4. CENTER ALL SPRINKLER HEADS IN CEILING TILES.
5. ALL GYP. BD. CEILINGS TO BE PAINTED P-2 UNLESS OTHERWISE NOTED ON PLANS
6. EXTEND FACE OF ALL GYP. BD. SOFFITS AND HEADERS 4" MIN. BEYOND FINISHED CEILING ABOVE U.N.O.
7. PAINT ALL EXPOSED CEILINGS SCHEDULED TO BE PAINTED P-2, INCLUDING STRUCTURE, DECK, AND HVAC ITEMS, UNLESS NOTED OTHERWISE.
8. ALL GYP. BD. HEADERS TO BE 8'-0" A.F.F., U.N.O.

**RCP REFERENCED NOTES:**

1. PAINT EXPOSED BEAMS WITH P-2 PAINT
2. PROVIDE 2" PERIMETER TRIM
3. PROVIDE 4" PERIMETER TRIM
4. PROVIDE 4" PERIMETER TRIM
5. DASHED LINE ABOVE INDICATES HEADER ABOVE
6. POCKET FOR CURTAIN TRACK
7. PAINT EXPOSED CEILING TO EXTENTS VISIBLE BEYOND ADJ. FINISHED CEILING
8. ALIGN CONTROL JOINT WITH STEEL COLUMN, U.N.O.
9. SKYLIGHT OPENING
10. MULTI-SPORT CAGE
11. DIVIDER CURTAIN - TYPE A
12. DIVIDER CURTAIN - TYPE B
13. SIDE FOLDING BACKSTOP WITH ELECTRONIC SCOREBOARD TYPE 1
14. FORWARD FOLDING BACKSTOP
15. ROLLER SHADE - TYPE 1
16. DASHED LINES INDICATE WOOD PANEL SEAMS
17. DASHED LINES INDICATED GYP. CONTROL JOINT, TYP.
18. PAINT DIFFUSERS, P-4 TO MATCH GYP. CEILING
19. ROLLERSHADE - TYPE 2

**CEILING TYPES:**

TYPE	DESCRIPTION
0	PAINTED EXPOSED STRUCTURE - P-2
1	1/2" PAINTED GYP BOARD ON METAL FRAMING
2	INTERIOR PLASTER CEILING SYSTEM ON COLD-FORMED METAL FRAMING
4	2X2 ACOUSTICAL PANEL CEILING SYSTEM
5	2X2 ACOUSTICAL PANEL CEILING SYSTEM - HIGH HUMIDITY
6	2X4 ACOUSTICAL PANEL CEILING SYSTEM
7	FLATLOCK ZINC PANEL SYSTEM - COLOR 2
8	EXPOSED STRUCTURE - UNPAINTED
9	WOOD VENEER PANEL
10	ZINC COMPOSITE PANEL
11	1/2" PAINTED GYP BOARD ON DRYWALL SUSPENSION SYSTEM

SHEET STATUS: 07/17/15  
 ISSUED FOR BID  
 PACKAGE 2

NO.	DESCRIPTION	DATE

SHEET TITLE:  
 LEVEL 2  
 OVERALL RCP

SHEET NUMBER:  
 A2.20



ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

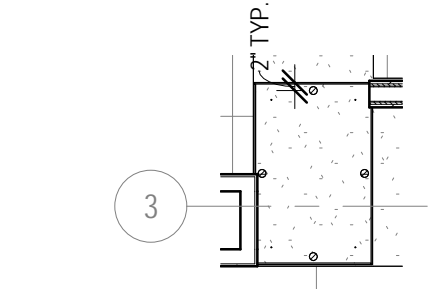
STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



1 LEVEL 2 - AREA 1 RCP  
 1/8" = 1'-0"



2 ENLARGED RCP - DISPLAY CASE  
 1/4" = 1'-0"

**RCP SYMBOLS LEGEND:**

NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

	CEILING TYPE		RECESSED 2x2 FLUORESCENT FIXTURE		LINEAR DIFFUSER - SUPPLY/RETURN
	CEILING ELEVATION A.F.F.		RECESSED FLUORESCENT LIGHT LINEAR FIXTURE		ACCESS PANEL
	SUSPENDED ACOUSTICAL TILE CEILING		WALL LIGHT MOUNT FIXTURE		EXIT SIGN - SEE CODE COMPLIANCE PLAN
	GYPSUM BOARD CEILING OR SOFFIT		PENDANT LIGHT HUNG STRIP FIXTURE		HEAT DETECTOR
	PERFORATED METAL CEILING		RECESSED LIGHT LINEAR FIXTURE		SMOKE DETECTOR
	MANUAL ROLLER SHADE		RECESSED DOWN LIGHT		FIRE ALARM DEVICE
	MANUAL VERTICAL BLINDS		SURFACE LIGHT MOUNT FIXTURE		SPEAKER
	MANUAL PULL-DOWN PROJECTOR SCREEN		PENDANT LIGHT MOUNT FIXTURE		CLOSED CIRCUIT CAMERA
	CEILING MOUNTED PROJECTOR		SPRINKLER HEAD		AV SYSTEMS CAMERA
	CABINET UNIT HEATER		RETURN AIR GRILLE		OCCUPANT SENSOR
			SUPPLY AIR GRILLE		WIRELESS ACCESS POINT
			EXHAUST GRILLE		LIGHT SENSOR
					VACANCY SENSOR

**RCP GENERAL NOTES:**

- ALL HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION ITEMS ARE SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS FOR REFERENCE AND COORDINATION ONLY. REFER TO HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR ACTUAL QUANTITIES. IN CASE OF CONFLICT THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL GOVERN LOCATION OF THESE ITEMS.
- IN AREAS THAT DO NOT HAVE ARCHITECTURAL REFLECTED CEILING PLANS YET REQUIRE NEW ITEMS TO BE INSTALLED IN OR ABOVE THE CEILING PLANE, CONTRACTOR SHALL REMOVE AND REINSTALL, REPLACE OR MODIFY EXISTING CEILING CONSTRUCTION TO ACCOMMODATE NEW WORK. ANY NEW CEILING AREAS SHALL MATCH EXISTING ADJACENT FINISHES.
- CENTER ALL FIXTURES IN CEILING TILES AND FIELD VERIFY GRID LAYOUT FOR PROPER FIXTURE LOCATION. ALIGN ALL FIXTURES IN BOTH DIRECTIONS OF CEILING TILE (U.N.O.)
- CENTER ALL SPRINKLER HEADS IN CEILING TILES.
- ALL GYP. BD. CEILINGS TO BE PAINTED P-1 UNLESS OTHERWISE NOTED ON PLANS
- EXTEND FACE OF ALL GYP. BD. SKIRTS AND HEADERS 4" MIN. BEYOND FINISHED CEILING ABOVE U.N.O.
- PAINT ALL EXPOSED CEILINGS SCHEDULED TO BE PAINTED P-2, INCLUDING STRUCTURE, DECK, AND HVAC ITEMS, UNLESS NOTED OTHERWISE.
- ALL GYP. BD. HEADERS TO BE 8'-0" A.F.F., U.N.O.

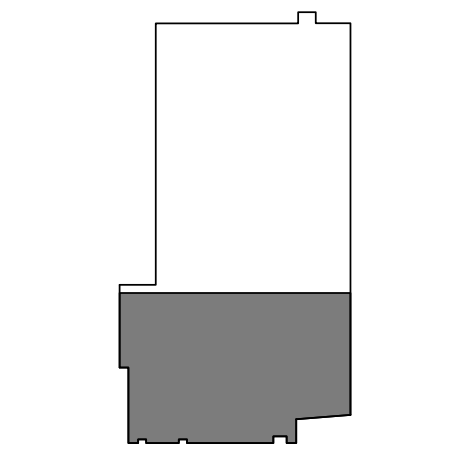
**RCP REFERENCED NOTES:**

- PAINT EXPOSED BEAMS WITH P-2 PAINT
- PROVIDE 2" PERIMETER TRIM
- PROVIDE 6" PERIMETER TRIM
- PROVIDE 4" PERIMETER TRIM
- DASHED LINE ABOVE INDICATES HEADER ABOVE
- POCKET FOR CURTAIN TRACK
- PAINT EXPOSED CEILING TO EXTENTS VISIBLE BEYOND ADJ. FINISHED CEILING
- ALIGN CONTROL JOINT WITH STEEL COLUMN, U.N.O.
- SKYLIGHT OPENING
- MULTI-SPORT CAGE
- DIVIDER CURTAIN - TYPE A
- DIVIDER CURTAIN - TYPE B
- SIDE FOLDING BACKSTOP WITH ELECTRONIC SCOREBOARD TYPE 1
- FORWARD FOLDING BACKSTOP
- ROLLER SHADE - TYPE 1
- DASHED LINES INDICATE WOOD PANEL SEAMS
- DASHED LINES INDICATED GYP. CONTROL JOINT, TYP.
- PAINT DIFFUSERS, P-4 TO MATCH GYP. CEILING
- ROLLERSHADE - TYPE 2

**CEILING TYPES:**

TYPE	DESCRIPTION
0	PAINTED EXPOSED STRUCTURE - P-2
1	1/2" PAINTED GYP BOARD ON METAL FRAMING
2	INTERIOR PLASTER CEILING SYSTEM ON METAL FRAMING
3	EXTERIOR PLASTER CEILING SYSTEM ON COLD-FORMED METAL FRAMING
4	2X2 ACOUSTICAL PANEL CEILING SYSTEM
5	2X2 ACOUSTICAL PANEL CEILING SYSTEM - HIGH HUMIDITY
6	2X4 ACOUSTICAL PANEL CEILING SYSTEM
7	FLATLOCK ZINC PANEL SYSTEM - COLOR 2
8	EXPOSED STRUCTURE - UNPAINTED
9	WOOD VENEER PANEL
10	ZINC COMPOSITE PANEL
11	1/2" PAINTED GYP BOARD ON DRYWALL SUSPENSION SYSTEM

KEY PLAN:



SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2 RCP  
 AREA 1**

SHEET NUMBER:  
**A2.21**





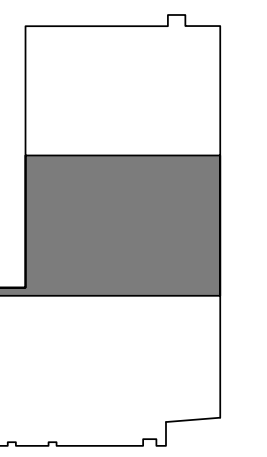
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

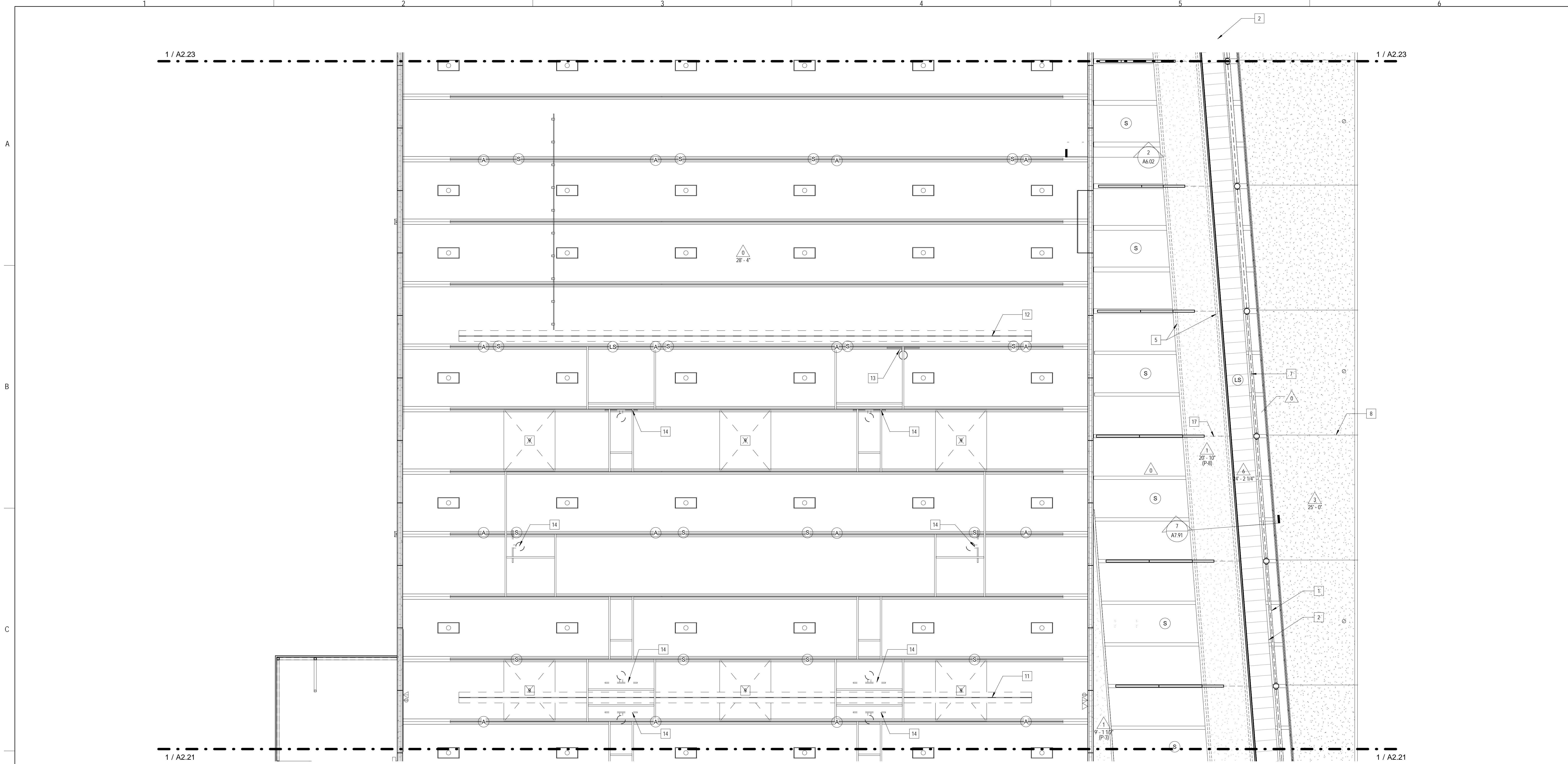


SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2 RCP  
 AREA 2**

SHEET NUMBER:  
**A2.22**



**1 LEVEL 2 - AREA 2 RCP**  
 1/8" = 1'-0"

**RCP SYMBOLS LEGEND:**

NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

- CEILING TYPE
- CEILING ELEVATION A.F.F.
- SUSPENDED ACOUSTICAL TILE CEILING
- GYPSUM BOARD CEILING OR SOFFIT
- PERFORATED METAL CEILING
- MANUAL ROLLER SHADE
- MANUAL VERTICAL BLINDS
- MANUAL PULL-DOWN PROJECTOR SCREEN
- CEILING MOUNTED PROJECTOR
- CABINET UNIT HEATER

- RECESSED 2x2 FLUORESCENT FIXTURE
- RECESSED FLUORESCENT LIGHT LINEAR FIXTURE
- WALL LIGHT MOUNT FIXTURE
- PENDANT LIGHT HUNG STRIP FIXTURE
- RECESSED LIGHT LINEAR FIXTURE
- RECESSED DOWN LIGHT
- SURFACE LIGHT MOUNT FIXTURE
- PENDANT LIGHT MOUNT FIXTURE
- SPRINKLER HEAD
- RETURN AIR GRILLE
- SUPPLY AIR GRILLE
- EXHAUST GRILLE

- LINEAR DIFFUSER - SUPPLY/RETURN
- ACCESS PANEL
- EXIT SIGN - SEE CODE COMPLIANCE PLAN
- HEAT DETECTOR
- SMOKE DETECTOR
- FIRE ALARM DEVICE
- SPEAKER
- CLOSED CIRCUIT CAMERA
- AV SYSTEMS CAMERA
- OCCUPANT SENSOR
- WIRELESS ACCESS POINT
- LIGHT SENSOR
- VACANCY SENSOR

**RCP GENERAL NOTES:**

- ALL HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION ITEMS ARE SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS FOR REFERENCE AND COORDINATION ONLY. REFER TO HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR ACTUAL QUANTITIES. IN CASE OF CONFLICT THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL GOVERN LOCATION OF THESE ITEMS.
- IN AREAS THAT DO NOT HAVE ARCHITECTURAL REFLECTED CEILING PLANS YET REQUIRE NEW ITEMS TO BE INSTALLED IN OR ABOVE THE CEILING PLANE, CONTRACTOR SHALL REMOVE AND REINSTALL, REPLACE OR MODIFY EXISTING CEILING CONSTRUCTION TO ACCOMMODATE NEW WORK. ANY NEW CEILING AREAS SHALL MATCH EXISTING ADJACENT FINISHES.
- CENTER ALL FIXTURES IN CEILING TILES AND FIELD VERIFY GRID LAYOUT FOR PROPER FIXTURE LOCATION. ALIGN ALL FIXTURES IN BOTH DIRECTIONS OF CEILING TILE (U.N.O.)
- CENTER ALL SPRINKLER HEADS IN CEILING TILES.
- ALL GYP. BD. CEILINGS TO BE PAINTED P-1 UNLESS OTHERWISE NOTED ON PLANS
- EXTEND FACE OF ALL GYP. BD. SOFFITS AND HEADERS 4" MIN. BEYOND FINISHED CEILING ABOVE U.N.O.
- PAINTE ALL EXPOSED CEILINGS SCHEDULED TO BE PAINTED P-2, INCLUDING STRUCTURE, DECK, AND HVAC ITEMS, UNLESS NOTED OTHERWISE.
- ALL GYP. BD. HEADERS TO BE 8'-0" A.F.F., U.N.O.

**RCP REFERENCED NOTES:**

- PAINT EXPOSED BEAMS WITH P-2 PAINT
- PROVIDE 2" PERIMETER TRIM
- PROVIDE 4" PERIMETER TRIM
- PROVIDE 4" PERIMETER TRIM
- DASHED LINE ABOVE INDICATES HEADER ABOVE
- POCKET FOR CURTAIN TRACK
- PAINT EXPOSED CEILING TO EXTENTS VISIBLE BEYOND ADJ. FINISHED CEILING
- ALIGN CONTROL JOINT WITH STEEL COLUMN, U.N.O.
- SKYLIGHT OPENING
- MULTISPORT CAGE
- DIVIDER CURTAIN - TYPE A
- DIVIDER CURTAIN - TYPE B
- SIDE FOLDING BACKSTOP WITH ELECTRONIC SCOREBOARD TYPE 1
- FORWARD FOLDING BACKSTOP
- ROLLER SHADE - TYPE 1
- DASHED LINES INDICATE WOOD PANEL SEAMS
- DASHED LINES INDICATED GYP. CONTROL JOINT, TYP.
- PAINT DIFFUSERS, P-4 TO MATCH GYP. CEILING
- ROLLERSHADE - TYPE 2

**CEILING TYPES:**

TYPE	DESCRIPTION
0	PAINTED EXPOSED STRUCTURE - P-2
1	1/2" PAINTED GYP BOARD ON METAL FRAMING
2	INTERIOR PLASTER CEILING SYSTEM ON COLD-FORMED METAL FRAMING
4	2X2 ACOUSTICAL PANEL CEILING SYSTEM
5	2X2 ACOUSTICAL PANEL CEILING SYSTEM - HIGH HUMIDITY
6	2X4 ACOUSTICAL PANEL CEILING SYSTEM
7	FLATLOCK ZINC PANEL SYSTEM - COLOR 2
8	EXPOSED STRUCTURE - UNPAINTED
9	WOOD VENEER PANEL
10	ZINC COMPOSITE PANEL
11	1/2" PAINTED GYP BOARD ON DRYWALL SUSPENSION SYSTEM

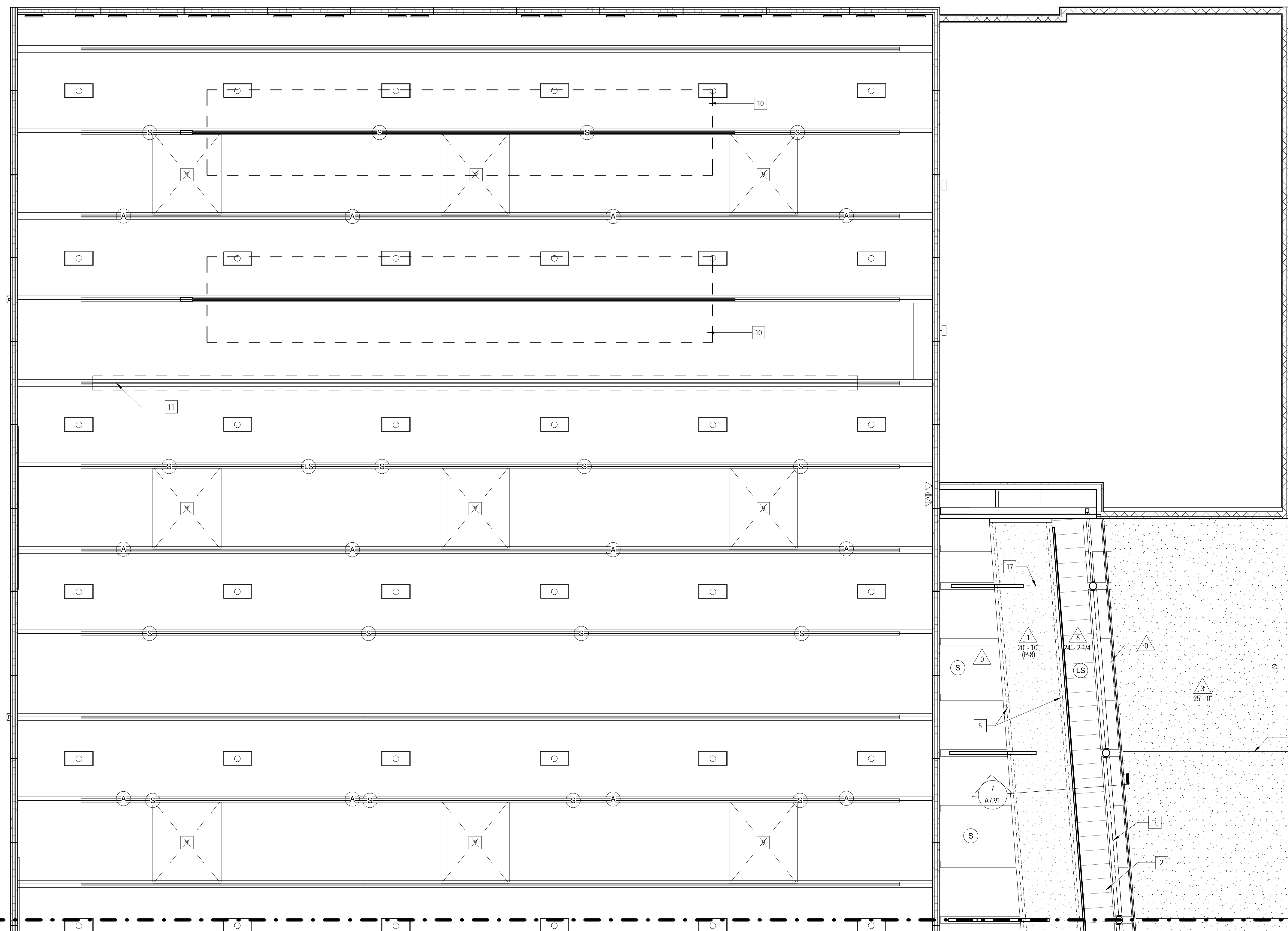


ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



1 / A2.22  
 1 LEVEL 2 - AREA 3 RCP  
 1/8" = 1'-0"

**RCP SYMBOLS LEGEND:**

NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS	RECESSED 2x2 FLUORESCENT FIXTURE	LINEAR DIFFUSER - SUPPLY/RETURN
CEILING ELEVATION A.F.F.	RECESSED FLUORESCENT LIGHT LINEAR FIXTURE	ACCESS PANEL
SUSPENDED ACOUSTICAL TILE CEILING	WALL LIGHT MOUNT FIXTURE	EXIT SIGN- SEE CODE COMPLIANCE PLAN
GYPSUM BOARD CEILING OR SOFFIT	PENDANT LIGHT HUNG STRIP FIXTURE	HEAT DETECTOR
PERFORATED METAL CEILING	RECESSED LIGHT LINEAR FIXTURE	SMOKE DETECTOR
MANUAL ROLLER SHADE	RECESSED DOWN LIGHT	FIRE ALARM DEVICE
MANUAL VERTICAL BLINDS	SURFACE LIGHT MOUNT FIXTURE	SPEAKER
MANUAL PULL-DOWN PROJECTOR SCREEN	PENDANT LIGHT MOUNT FIXTURE	CLOSED CIRCUIT CAMERA
CEILING MOUNTED PROJECTOR	SPRINKLER HEAD	AV SYSTEMS CAMERA
CABINET UNIT HEATER	RETURN AIR GRILLE	OCCUPANT SENSOR
	SUPPLY AIR GRILLE	WIRELESS ACCESS POINT
	EXHAUST GRILLE	LIGHT SENSOR
		VACANCY SENSOR

**RCP GENERAL NOTES:**

- ALL HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION ITEMS ARE SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS FOR REFERENCE AND COORDINATION ONLY. REFER TO HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR ACTUAL QUANTITIES. IN CASE OF CONFLICT THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL GOVERN LOCATION OF THESE ITEMS.
- IN AREAS THAT DO NOT HAVE ARCHITECTURAL REFLECTED CEILING PLANS YET REQUIRE NEW ITEMS TO BE INSTALLED IN OR ABOVE THE CEILING PLANE, CONTRACTOR SHALL REMOVE AND REINSTALL, REPLACE OR MODIFY EXISTING CEILING CONSTRUCTION TO ACCOMMODATE NEW WORK. ANY NEW CEILING AREAS SHALL MATCH EXISTING ADJACENT FINISHES.
- CENTER ALL FIXTURES IN CEILING TILES AND FIELD VERIFY GRID LAYOUT FOR PROPER FIXTURE LOCATION. ALIGN ALL FIXTURES IN BOTH DIRECTIONS OF CEILING TILE (UNO).
- CENTER ALL SPRINKLER HEADS IN CEILING TILES.
- ALL GYP. BD. CEILINGS TO BE PAINTED P-1 UNLESS OTHERWISE NOTED ON PLANS
- EXTEND FACE OF ALL GYP. BD. SOFFITS AND HEADERS 6" MIN. BEYOND FINISHED CEILING ABOVE U.N.O.
- PAINT ALL EXPOSED CEILINGS SCHEDULED TO BE PAINTED P-2, INCLUDING STRUCTURE, DECK, AND HVAC ITEMS, UNLESS NOTED OTHERWISE.
- ALL GYP. BD. HEADERS TO BE 8'-0" A.F.F., U.N.O.

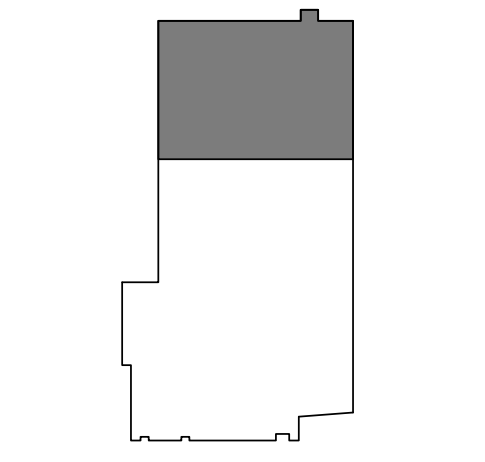
**RCP REFERENCED NOTES:**

- PAINT EXPOSED BEAMS WITH P-2 PAINT
- PROVIDE 2" PERIMETER TRIM
- PROVIDE 6" PERIMETER TRIM
- PROVIDE 4" PERIMETER TRIM
- DASHED LINE ABOVE INDICATES HEADER ABOVE
- POCKET FOR CURTAIN TRACK
- PAINT EXPOSED CEILING TO EXTENTS VISIBLE BEYOND ADJ. FINISHED CEILING
- ALIGN CONTROL JOINT WITH STEEL COLUMN, U.N.O.
- SKYLIGHT OPENING
- MULTI-SPORT CAGE
- DIVIDER CURTAIN - TYPE A
- DIVIDER CURTAIN - TYPE B
- SIDE FOLDING BACKSTOP WITH ELECTRONIC SCOREBOARD TYPE 1
- FORWARD FOLDING BACKSTOP
- ROLLER SHADE - TYPE 1
- DASHED LINES INDICATE WOOD PANEL SEAMS
- DASHED LINES INDICATED GYP. CONTROL JOINT, TYP.
- PAINT DIFFUSERS, P-4 TO MATCH GYP. CEILING
- ROLLERSHADE - TYPE 2

**CEILING TYPES:**

TYPE	DESCRIPTION
0	PAINTED EXPOSED STRUCTURE - P-2
1	1/2" PAINTED GYP BOARD ON METAL FRAMING
2	INTERIOR PLASTER CEILING SYSTEM ON COLD-FORMED METAL FRAMING
3	EXTERIOR PLASTER CEILING SYSTEM ON COLD-FORMED METAL FRAMING
4	2X2 ACOUSTICAL PANEL CEILING SYSTEM
5	2X2 ACOUSTICAL PANEL CEILING SYSTEM - HIGH HUMIDITY
6	2X4 ACOUSTICAL PANEL CEILING SYSTEM
7	FLATLOCK ZINC PANEL SYSTEM - COLOR 2
8	EXPOSED STRUCTURE - UNPAINTED
9	WOOD VENEER PANEL
10	ZINC COMPOSITE PANEL
11	1/2" PAINTED GYP BOARD ON DRYWALL SUSPENSION SYSTEM

KEY PLAN:



SHEET STATUS: 07/17/15  
 ISSUED FOR BID  
 PACKAGE 2

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2 RCP  
 AREA 3**

SHEET NUMBER:  
**A2.23**



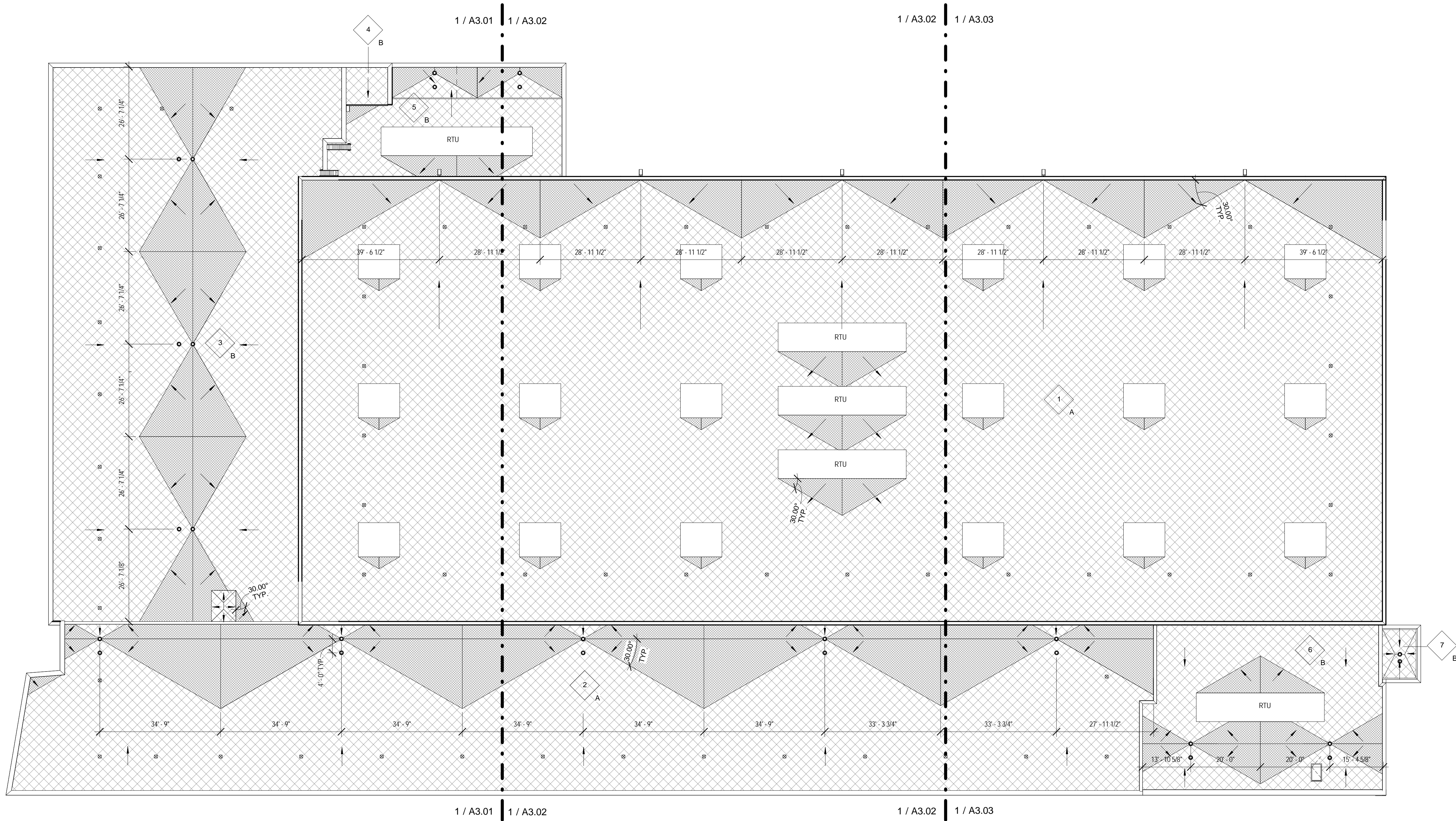


ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



**1 ROOF - OVERALL PLAN**  
 1/16" = 1'-0"

**ROOF PLAN LEGEND:**

NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

--- ROOF AREA BOUNDARY LINE

XX  
X  
ROOF AREA NUMBER  
ROOF AREA TYPE

RD  
ROOF DRAIN

ORD  
OVERFLOW ROOF DRAIN

VTR  
PIPE PENETRATION

⊗  
ROOF DAWT

24" x 24" x 2" RUBBER ROOF PAVER

EF  
EXHAUST FAN

HB  
HOSE BIB IN WALL

HB  
HOSE BIB PENETRATION THRU ROOF

SPLASH PAD

FLEXIBLE WALKWAY

SLOPE DIRECTION

AREA OF SLOPING STRUCTURAL ROOF DECK INSULATION WITH A SURFACE SLOPE OF 1/4" PER 1'-0"

TAPERED INSULATION SADDLE WITH A SURFACE SLOPE OF 1/4" PER 1'-0" (1/2" PER FOOT PANEL SLOPE)

CU  
CONDENSOR UNIT

GAS LINE

**ROOF PLAN GENERAL NOTES:**

- SEE MEP DRAWINGS FOR PENETRATIONS AND EQUIPMENT CURB LOCATIONS.
- ALIGN COPING JOINTS WITH JOINTS IN ZINC COMPOSITE PANELS AND FLATLOCK ZINC PANELS.
- PROVIDE ALUMINUM COPING AT ROOF AREA 1. PROVIDE ZINC COPING AT ALL OTHER ROOF AREAS. ZINC COPING COLOR TO MATCH ZINC WALL COLOR.

**ROOF PLAN REFERENCED NOTES:**

- ROOF HATCH.
- ROOF MOUNTED MECHANICAL EQUIPMENT - REFER TO MECHANICAL DRAWINGS.
- SNIP'S LADDER - SEE A3.03.
- GUTTER AT HIGH ROOF DRAINS TO DOWNSPOUTS MOUNTED TO SIDE OF STAIRWELL.
- CONDUCTOR BOX AND DOWNSPOUT.
- SKYLIGHT.
- ROOF DAWT - SEE 2/A3.10 FOR FLASHING DETAIL. SEE STRUCTURAL DRAWINGS FOR CONNECTION DETAIL TO BEAMS AND TRUSSES.
- SCUPPER AND DOWNSPOUT - PROVIDE SPLASHPAD WHERE DOWNSPOUT TERMINATES ON ROOF.
- ROOF ANTENNA.

**ROOF SYSTEM TYPES:**

**ROOF TYPE A:** STRUCTURALLY SLOPED ROOF DECK OF 1/8" PER 12' SLOPE.  
 1. 1/4" SUBSTRATE BOARD  
 2. 10 MIL. POLYETHYLENE VAPOR RETARDER - TAPE ALL JOINTS AND PERIMETER CONDITIONS.  
 3. TWO LAYERS OF 2 1/2" RIGID POLYISOCYANURATE INSULATION - MECHANICALLY FASTENED. STAGGER ALL JOINTS VERTICALLY AND HORIZONTALLY.  
 4. TAPERED RIGID INSULATION TO FORM 1/4" PER 12' SLOPE - FULLY ADHERED  
 5. 1/2" COVER BOARD  
 6. EPDM MEMBRANE - FULLY ADHERED.  
 7. EPDM SHEET FLASHING.  
 8. PREFINISHED METAL COPINGS, END WALL FLASHING, COUNTERFLASHING, ETC.

**ROOF TYPE B:** STRUCTURALLY SLOPED ROOF DECK OF 1/8" PER 12' SLOPE.  
 1. 1/4" SUBSTRATE BOARD  
 2. 10 MIL. POLYETHYLENE VAPOR RETARDER - TAPE ALL JOINTS AND PERIMETER CONDITIONS.  
 3. TWO LAYERS OF 2 1/2" RIGID POLYISOCYANURATE INSULATION - MECHANICALLY FASTENED. STAGGER ALL JOINTS VERTICALLY AND HORIZONTALLY.  
 4. TAPERED RIGID INSULATION TO FORM 1/4" PER 12' SLOPE - FULLY ADHERED  
 5. EPDM MEMBRANE - FULLY ADHERED.  
 6. EPDM SHEET FLASHING.  
 7. PREFINISHED METAL COPINGS, END WALL FLASHING, COUNTERFLASHING, ETC.

SHEET STATUS: 07/17/15  
**ISSUED FOR BID**  
**PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ROOF PLAN**

SHEET NUMBER:  
**A3.00**



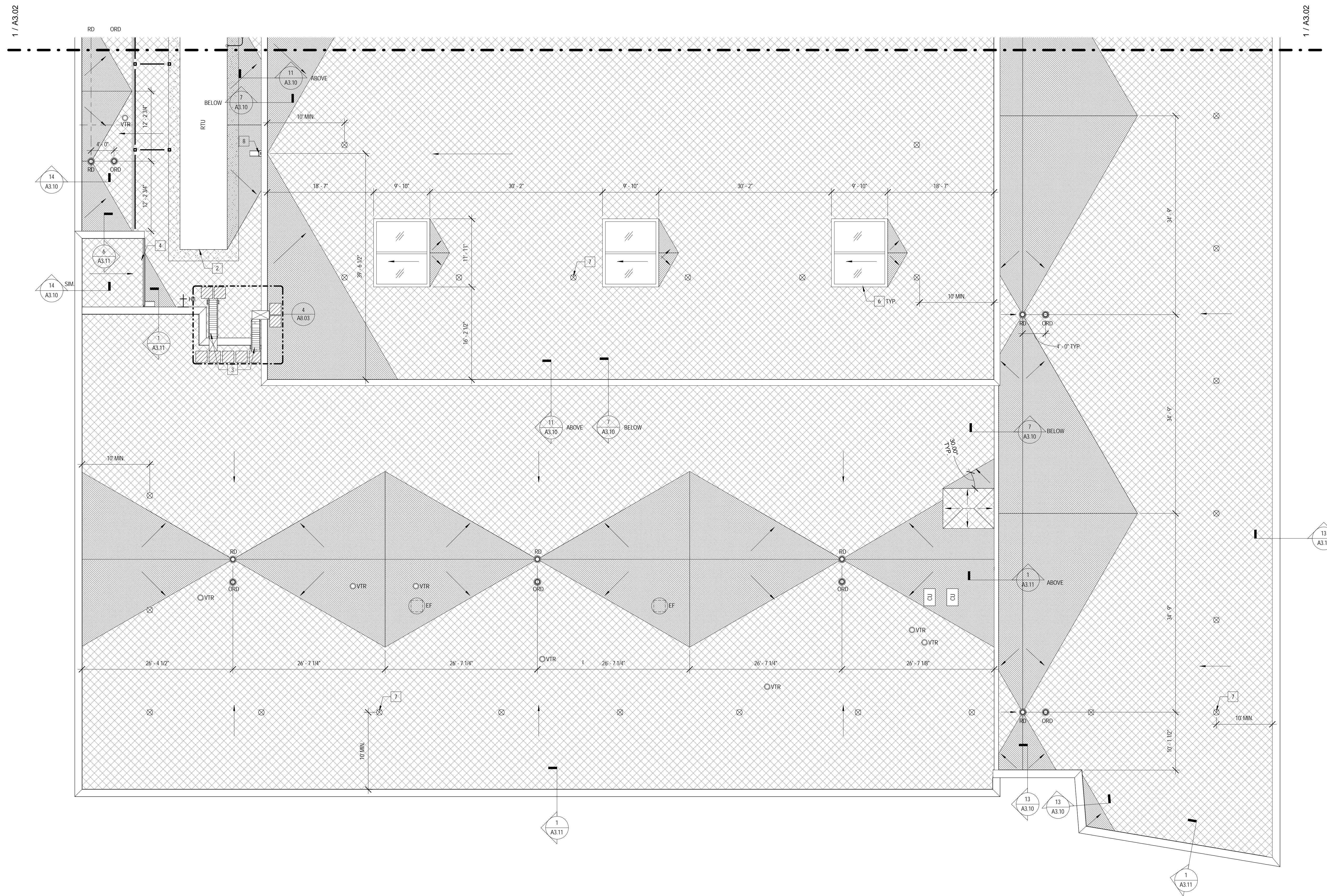


ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



1 ROOF PLAN - AREA 1  
 1/8" = 1'-0"

**ROOF PLAN LEGEND:**

NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS	
---	ROOF AREA BOUNDARY LINE
XX X	ROOF AREA NUMBER ROOF AREA TYPE
RD	ROOF DRAIN
ORD	OVERFLOW ROOF DRAIN
VTR	PIPE PENETRATION
⊗	ROOF DAVIT
24" x 24" RUBBER ROOF PAVER	
EF	EXHAUST FAN
HB	HOSE BIB IN WALL
HB	HOSE BIB PENETRATION THRU ROOF
SPLASH PAD	
FLEXIBLE WALKWAY	
SLOPE DIRECTION	
AREA OF SLOPING STRUCTURAL ROOF DECK INSULATION WITH A SURFACE SLOPE OF 1/4" PER 1'-0"	
TAPERED INSULATION SADDLE WITH A SURFACE SLOPE OF 1/4" PER 1'-0" (1/2" PER FOOT PANEL SLOPE)	
CONDENSOR UNIT	
GAS LINE	

**ROOF PLAN GENERAL NOTES:**

- SEE MEP DRAWINGS FOR PENETRATIONS AND EQUIPMENT CURB LOCATIONS.
- ALUMINUM COPING JOINTS WITH JOINTS IN ZINC COMPOSITE PANELS AND FLATLOCK ZINC PANELS.
- PROVIDE ALUMINUM COPING AT ROOF AREA 1. PROVIDE ZINC COPING AT ALL OTHER ROOF AREAS. ZINC COPING COLOR TO MATCH ZINC WALL COLOR.

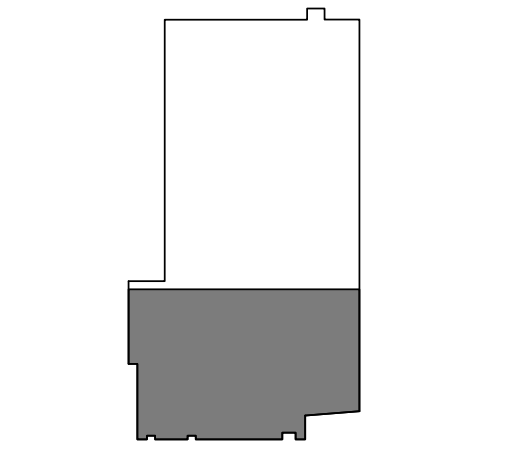
**ROOF PLAN REFERENCED NOTES:**

- ROOF HATCH
- ROOF MOUNTED MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS.
- SHIPS LADDER. SEE A8.03
- GUTTER AT HIGH ROOF DRAINS TO DOWNSPOUTS MOUNTED TO SIDE OF STAIRWELL
- CONDUCTOR BOX AND DOWNSPOUT
- SIGHTLIGHT
- ROOF DAVIT - SEE 2/A3.10 FOR FLASHING DETAIL. SEE STRUCTURAL DRAWINGS FOR CONNECTION DETAIL TO BEAMS AND TRUSSES.
- SCUPPER AND DOWNSPOUT - PROVIDE SPLASHPAD WHERE DOWNSPOUT TERMINATES ON ROOF.
- ROOF ANTENNA

**ROOF SYSTEM TYPES:**

- ROOF TYPE A:** STRUCTURALLY SLOPED ROOF DECK OF 1/8" PER 12' SLOPE.
- 1/4" SUBSTRATE BOARD
  - 10 MIL. POLYETHYLENE VAPOR RETARDER - TAPE ALL JOINTS AND PERIMETER CONDITIONS
  - TWO LAYERS OF 2 1/2" RIGID POLYISOCYANURATE INSULATION - MECHANICALLY FASTENED. STAGGER ALL JOINTS VERTICALLY AND HORIZONTALLY.
  - TAPERED RIGID INSULATION TO FORM 1/4" PER 12' SLOPE - FULLY ADHERED
  - 1/2" COVER BOARD
  - EPDM MEMBRANE - FULLY ADHERED.
  - EPDM SHEET FLASHING
  - PREFINISHED METAL COPINGS, END WALL FLASHING, COUNTERFLASHING, ETC.
- ROOF TYPE B:** STRUCTURALLY SLOPED ROOF DECK OF 1/8" PER 12' SLOPE.
- 1/4" SUBSTRATE BOARD
  - 10 MIL. POLYETHYLENE VAPOR RETARDER - TAPE ALL JOINTS AND PERIMETER CONDITIONS
  - TWO LAYERS OF 2 1/2" RIGID POLYISOCYANURATE INSULATION - MECHANICALLY FASTENED. STAGGER ALL JOINTS VERTICALLY AND HORIZONTALLY.
  - TAPERED RIGID INSULATION TO FORM 1/4" PER 12' SLOPE - FULLY ADHERED
  - EPDM MEMBRANE - FULLY ADHERED.
  - EPDM SHEET FLASHING
  - PREFINISHED METAL COPINGS, END WALL FLASHING, COUNTERFLASHING, ETC.

KEY PLAN:



SHEET STATUS: 07/17/15  
**ISSUED FOR BID**  
**PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ROOF PLAN - AREA 1**

SHEET NUMBER:  
**A3.01**





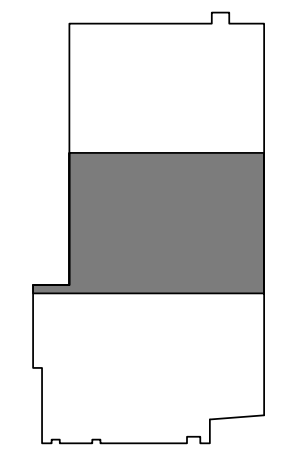
ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 07/17/15

**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

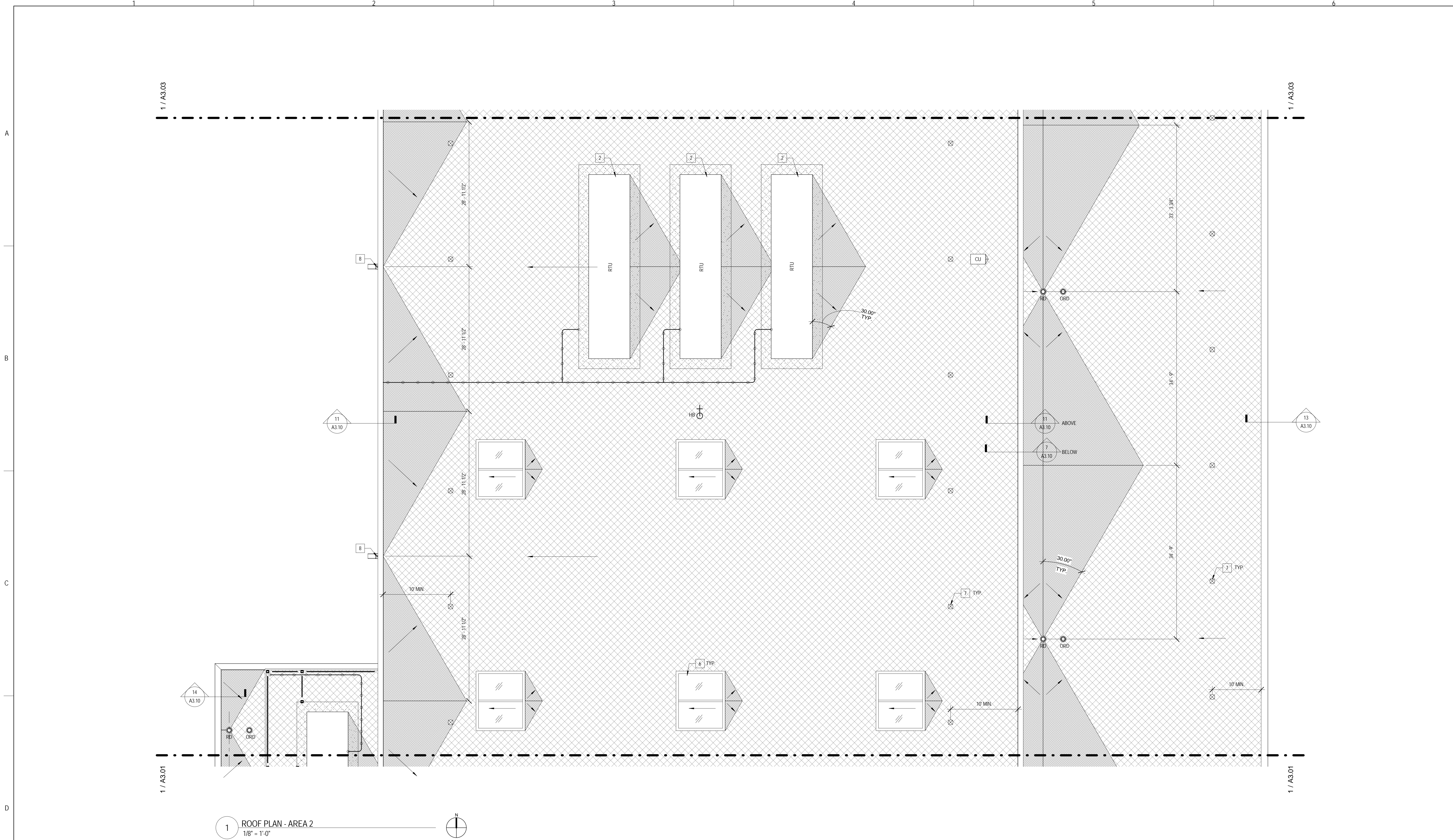
SHEET TITLE:

**ROOF PLAN - AREA 2**

SHEET NUMBER:

**A3.02**

7/20/2015 10:43:19 AM



**1 ROOF PLAN - AREA 2**  
 1/8" = 1'-0"

ROOF PLAN LEGEND:	
	ROOF AREA BOUNDARY LINE
	ROOF AREA NUMBER
	ROOF AREA TYPE
	ROOF DRAIN
	OVERFLOW ROOF DRAIN
	PIPE PENETRATION
	ROOF DAVIT
	24" x 24" x 2" RUBBER ROOF PAVER
	EXHAUST FAN
	HOSE BIB IN WALL
	HOSE BIB PENETRATION THRU ROOF
	SPLASH PAD
	FLEXIBLE WALKWAY
	SLOPE DIRECTION
	AREA OF SLOPING STRUCTURAL ROOF DECK INSULATION WITH A SURFACE SLOPE OF 1/4" PER 1'-0"
	TAPERED INSULATION SADDLE WITH A SURFACE SLOPE OF 1/4" PER 1'-0" (1/2" PER FOOT PANEL SLOPE)
	CONDENSOR UNIT
	GAS LINE

**ROOF PLAN GENERAL NOTES:**

- SEE MEP DRAWINGS FOR PENETRATIONS AND EQUIPMENT CURB LOCATIONS.
- ALIGN COPING JOINTS WITH JOINTS IN ZINC COMPOSITE PANELS AND FLATLOCK ZINC PANELS.
- PROVIDE ALUMINUM COPING AT ROOF AREA 1. PROVIDE ZINC COPING AT ALL OTHER ROOF AREAS. ZINC COPING COLOR TO MATCH ZINC WALL COLOR.

**ROOF PLAN REFERENCED NOTES:**

- ROOF HATCH
- ROOF MOUNTED MECHANICAL EQUIPMENT - REFER TO MECHANICAL DRAWINGS.
- SHIPS LADDER - SEE A8.03
- GUTTER AT HIGH ROOF DRAINS TO DOWNSPOUTS MOUNTED TO SIDE OF STAIRWELL.
- CONDUCTOR BOX AND DOWNSPOUT.
- SKYLIGHT.
- ROOF DAVIT - SEE 2A3.10 FOR FLASHING DETAIL. SEE STRUCTURAL DRAWINGS FOR CONNECTION DETAIL TO BEAMS AND TRUSSES.
- SCUPPER AND DOWNSPOUT - PROVIDE SPLASHPAD WHERE DOWNSPOUT TERMINATES ON ROOF.
- ROOF ANTENNA.

**ROOF SYSTEM TYPES:**

**ROOF TYPE A:** STRUCTURALLY SLOPED ROOF DECK OF 1/8" PER 12" SLOPE.  
 1. 1/4" SUBSTRATE BOARD.  
 2. 10 MIL. POLYETHYLENE VAPOR RETARDER - TAPE ALL JOINTS AND PERIMETER CONDITIONS.  
 3. TWO LAYERS OF 2 1/2" RIGID POLYISOCYANURATE INSULATION - MECHANICALLY FASTENED. STAGGER ALL JOINTS VERTICALLY AND HORIZONTALLY.  
 4. TAPERED RIGID INSULATION TO FORM 1/4" PER 12" SLOPE - FULLY ADHERED.  
 5. 1/2" COVER BOARD.  
 6. EPDM MEMBRANE - FULLY ADHERED.  
 7. EPDM SHEET FLASHING.  
 8. PREFINISHED METAL COPINGS, END WALL FLASHING, COUNTERFLASHING, ETC.

**ROOF TYPE B:** STRUCTURALLY SLOPED ROOF DECK OF 1/8" PER 12" SLOPE.  
 1. 1/4" SUBSTRATE BOARD.  
 2. 10 MIL. POLYETHYLENE VAPOR RETARDER - TAPE ALL JOINTS AND PERIMETER CONDITIONS.  
 3. TWO LAYERS OF 2 1/2" RIGID POLYISOCYANURATE INSULATION - MECHANICALLY FASTENED. STAGGER ALL JOINTS VERTICALLY AND HORIZONTALLY.  
 4. TAPERED RIGID INSULATION TO FORM 1/4" PER 12" SLOPE - FULLY ADHERED.  
 5. EPDM MEMBRANE - FULLY ADHERED.  
 6. EPDM SHEET FLASHING.  
 7. PREFINISHED METAL COPINGS, END WALL FLASHING, COUNTERFLASHING, ETC.





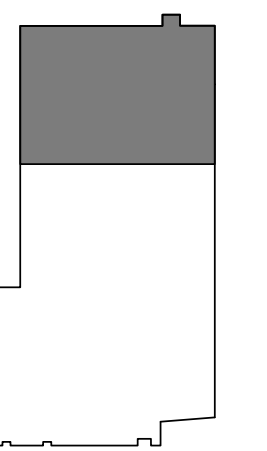
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

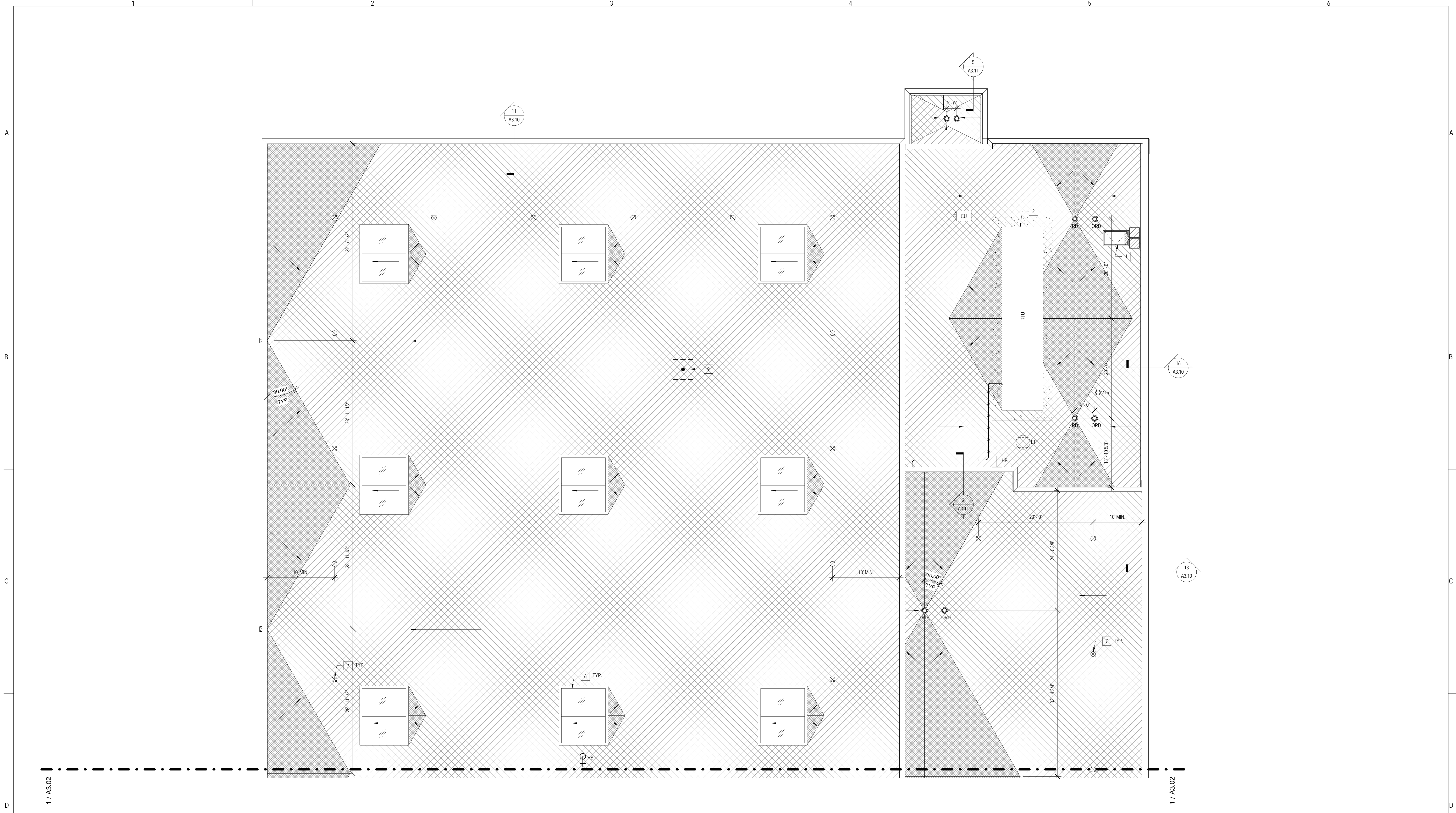


SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ROOF PLAN - AREA 3**

SHEET NUMBER:  
**A3.03**



**1 ROOF PLAN - AREA 3**  
 1/8" = 1'-0"

**ROOF PLAN LEGEND:**

NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS.

- ROOF AREA BOUNDARY LINE
- XX ROOF AREA NUMBER
- X ROOF AREA TYPE
- RD ROOF DRAIN
- ORD OVERFLOW ROOF DRAIN
- VTR PIPE PENETRATION
- RD ROOF DAVIT

- 24" x 24" x 2" RUBBER ROOF PAVER
- EF EXHAUST FAN
- HB HOSE BIB IN WALL
- HB HOSE BIB PENETRATION THRU ROOF
- SPLASH PAD
- FLEXIBLE WALKWAY
- SLOPE DIRECTION

- AREA OF SLOPING STRUCTURAL ROOF DECK INSULATION WITH A SURFACE SLOPE OF 1/4" PER 1'-0"
- TAPERED INSULATION SADDLE WITH A SURFACE SLOPE OF 1/4" PER 1'-0" (1/2" PER FOOT PANEL SLOPE)
- CU CONDENSOR UNIT
- GAS LINE

**ROOF PLAN GENERAL NOTES:**

- SEE MEP DRAWINGS FOR PENETRATIONS AND EQUIPMENT CURB LOCATIONS.
- ALIGN COPING JOINTS WITH JOINTS IN ZINC COMPOSITE PANELS AND FLATLOCK ZINC PANELS.
- PROVIDE ALUMINUM COPING AT ROOF AREA 1. PROVIDE ZINC COPING AT ALL OTHER ROOF AREAS. ZINC COPING COLOR TO MATCH ZINC WALL COLOR.

**ROOF PLAN REFERENCED NOTES:**

- ROOF HATCH.
- ROOF MOUNTED MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS.
- SHIPS LADDER - SEE A8.03.
- CUTTER AT HIGH ROOF DRAINS TO DOWNSPOUTS MOUNTED TO SIDE OF STAIRWELL.
- CONDUCTOR BOX AND DOWNSPOUT.
- SKYLIGHT.
- ROOF DAVIT - SEE 2A3.10 FOR FLASHING DETAIL. SEE STRUCTURAL DRAWINGS FOR CONNECTION DETAIL TO BEAMS AND TRUSSES.
- SCUPPER AND DOWNSPOUT - PROVIDE SPLASHPAD WHERE DOWNSPOUT TERMINATES ON ROOF.
- ROOF ANTENNA.

**ROOF SYSTEM TYPES:**

- ROOF TYPE A:** STRUCTURALLY SLOPED ROOF DECK OF 1/8" PER 12" SLOPE.
- 1/4" SUBSTRATE BOARD
  - 10 MIL POLYETHYLENE VAPOR RETARDER - TAPE ALL JOINTS AND PERIMETER CONDITIONS
  - TWO LAYERS OF 2 1/2" RIGID POLYISOCYANURATE INSULATION - MECHANICALLY FASTENED; STAGGER ALL JOINTS VERTICALLY AND HORIZONTALLY
  - TAPERED RIGID INSULATION TO FORM 1/4" PER 12" SLOPE - FULLY ADHERED
  - 1/2" COVER BOARD
  - EPDM MEMBRANE - FULLY ADHERED
  - EPDM SHEET FLASHING
  - PREFINISHED METAL COPINGS, END WALL FLASHING, COUNTERFLASHING, ETC.
- ROOF TYPE B:** STRUCTURALLY SLOPED ROOF DECK OF 1/8" PER 12" SLOPE.
- 1/4" SUBSTRATE BOARD
  - 10 MIL POLYETHYLENE VAPOR RETARDER - TAPE ALL JOINTS AND PERIMETER CONDITIONS
  - TWO LAYERS OF 2 1/2" RIGID POLYISOCYANURATE INSULATION - MECHANICALLY FASTENED; STAGGER ALL JOINTS VERTICALLY AND HORIZONTALLY
  - TAPERED RIGID INSULATION TO FORM 1/4" PER 12" SLOPE - FULLY ADHERED
  - EPDM MEMBRANE - FULLY ADHERED
  - EPDM SHEET FLASHING
  - PREFINISHED METAL COPINGS, END WALL FLASHING, COUNTERFLASHING, ETC.





ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

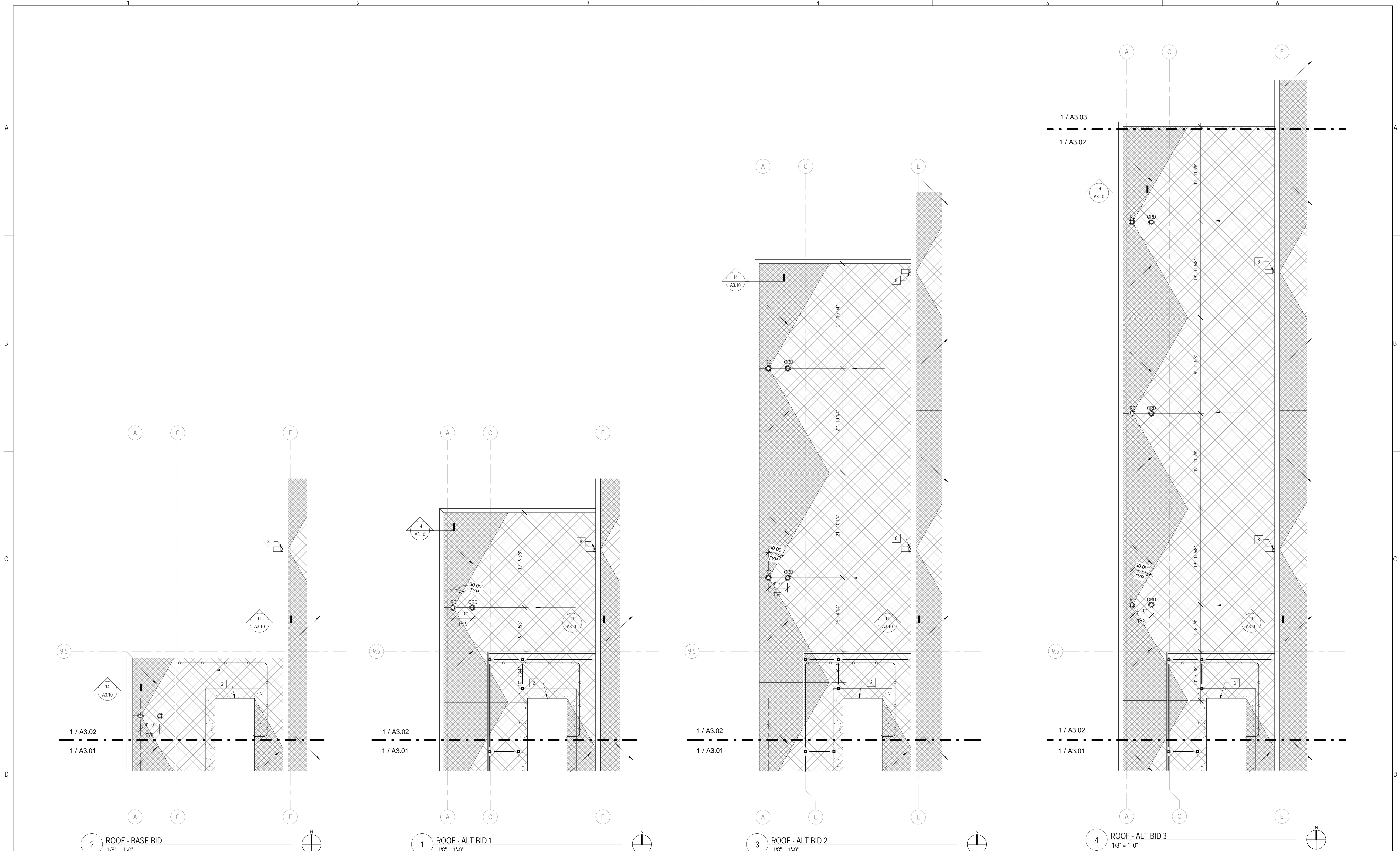
SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ROOF - ALTERNATE  
 BID**

SHEET NUMBER:

**A3.04**



**ROOF PLAN LEGEND:**

<p>NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS</p> <p>--- ROOF AREA BOUNDARY LINE</p> <p>XX ROOF AREA NUMBER X ROOF AREA TYPE</p> <p>RD ROOF DRAIN</p> <p>ORD OVERFLOW ROOF DRAIN</p> <p>VTR PIPE PENETRATION</p> <p>⊗ ROOF DAVIT</p>	<p>24" x 24" x 2" RUBBER ROOF PAVER</p> <p>EF EXHAUST FAN</p> <p>HB HOSE BIB IN WALL</p> <p>HB HOSE BIB PENETRATION THRU ROOF</p> <p>SPLASH PAD</p> <p>FLEXIBLE WALKWAY</p> <p>SLOPE DIRECTION</p>	<p>AREA OF SLOPING STRUCTURAL ROOF DECK INSULATION WITH A SURFACE SLOPE OF 1/4" PER 1'-0"</p> <p>TAPERED INSULATION SADDLE WITH A SURFACE SLOPE OF 1/4" PER 1'-0" (1/2" PER FOOT PANEL SLOPE)</p> <p>CONDENSOR UNIT</p> <p>CU</p> <p>GAS LINE</p>
--	--	---

**ROOF PLAN GENERAL NOTES:**

- SEE MEP DRAWINGS FOR PENETRATIONS AND EQUIPMENT CURB LOCATIONS.
- ALIGN COPING JOINTS WITH JOINTS IN ZINC COMPOSITE PANELS AND FLATLOCK ZINC PANELS.
- PROVIDE ALUMINUM COPING AT ROOF AREA 1. PROVIDE ZINC COPING AT ALL OTHER ROOF AREAS. ZINC COPING COLOR TO MATCH ZINC WALL COLOR.

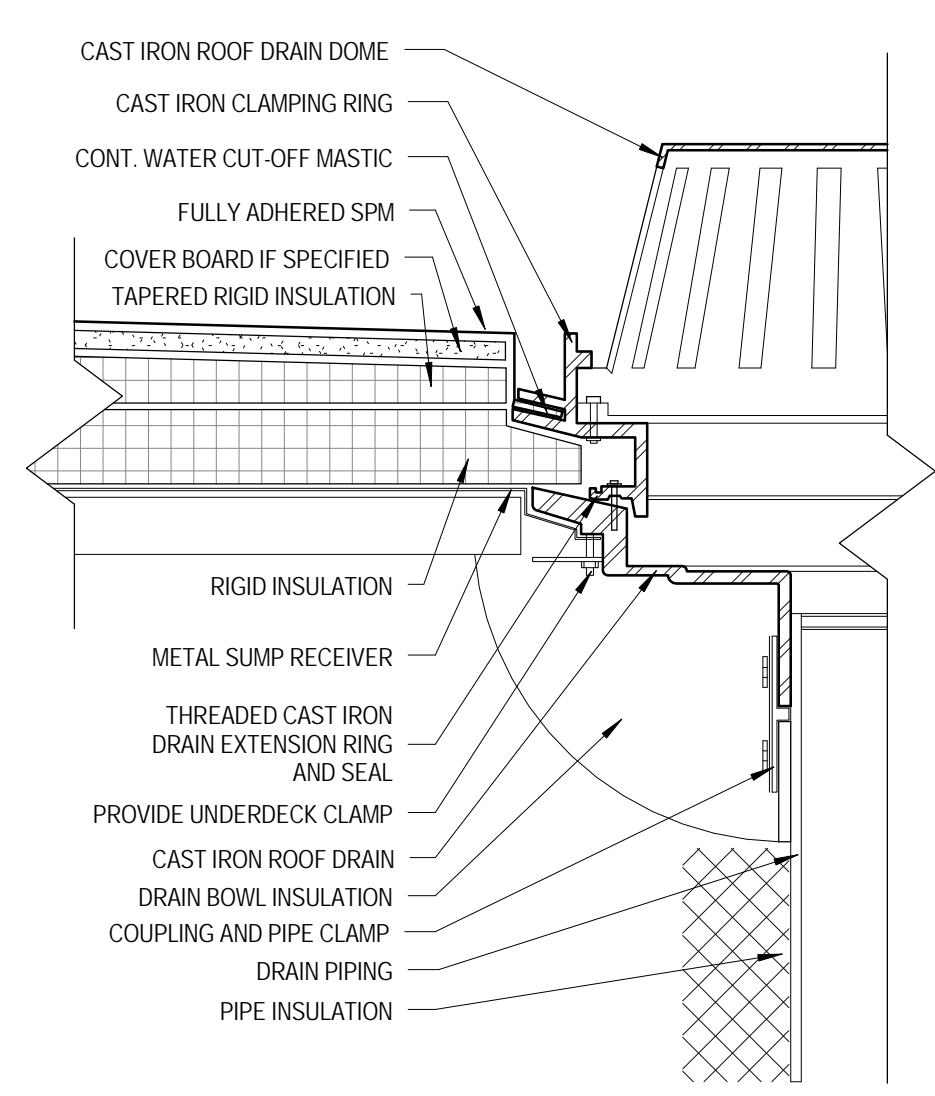
**ROOF PLAN REFERENCED NOTES:**

- ROOF HATCH.
- ROOF MOUNTED MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS.
- SHIPS LADDER - SEE A8.03.
- GUTTER AT HIGH ROOF DRAINS TO DOWNSPOUTS MOUNTED TO SIDE OF STAIRWELL CONDUCTOR BOX AND DOWNSPOUT.
- SKYLIGHT.
- ROOF DAVIT - SEE 2A3.10 FOR FLASHING DETAIL. SEE STRUCTURAL DRAWINGS FOR CONNECTION DETAIL TO BEAMS AND TRUSSES.
- SCUPPER AND DOWNSPOUT - PROVIDE SPLASHPAD WHERE DOWNSPOUT TERMINATES ON ROOF.
- ROOF ANTENNA.

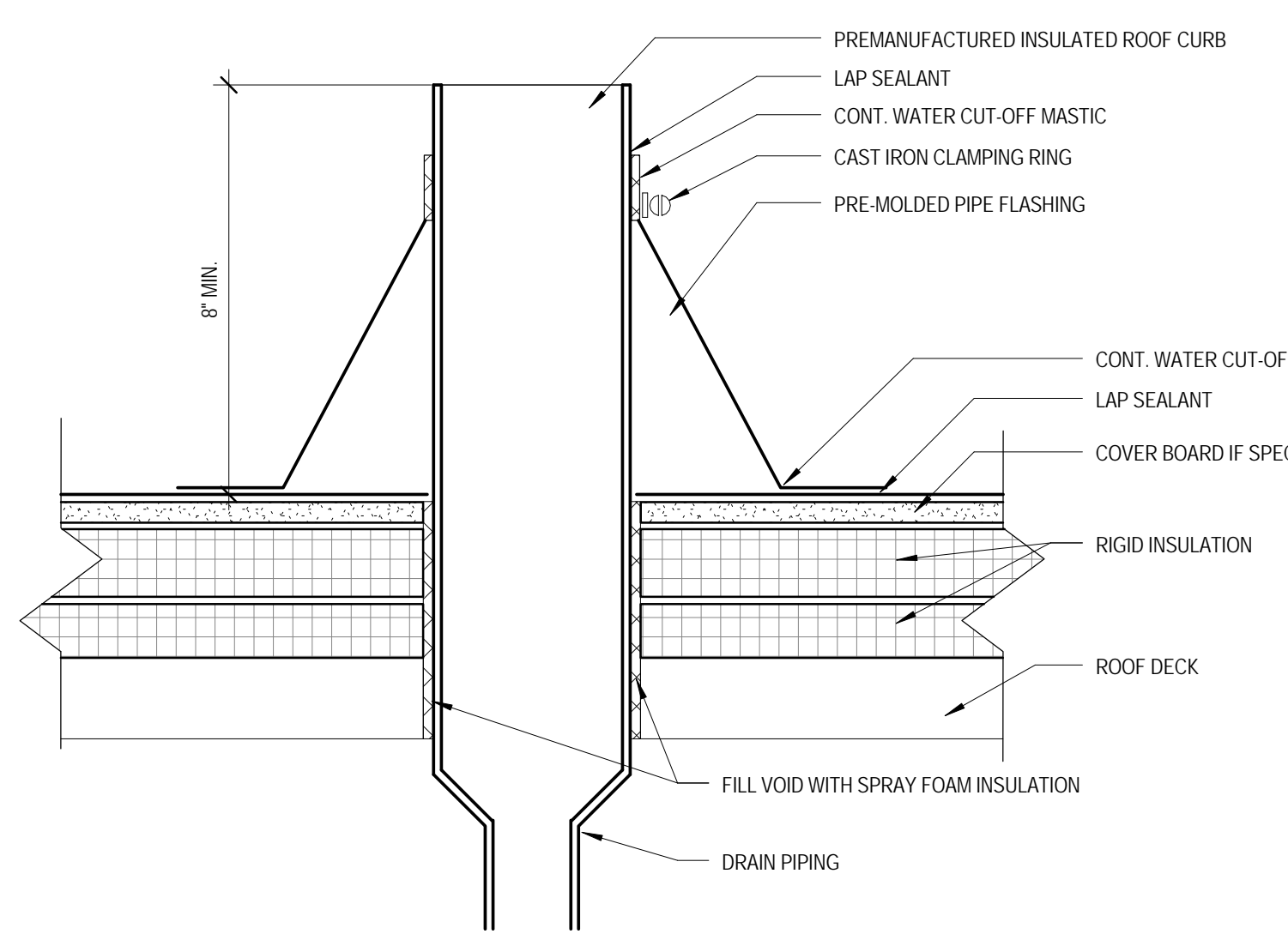
**ROOF SYSTEM TYPES:**

- ROOF TYPE A: STRUCTURALLY SLOPED ROOF DECK OF 1/8" PER 12" SLOPE.**
- 1/4" SUBSTRATE BOARD.
  - 10 MIL. POLYETHYLENE VAPOR RETARDER - TAPE ALL JOINTS AND PERIMETER CONDITIONS.
  - TWO LAYERS OF 2 1/2" RIGID POLYISOCYANURATE INSULATION - MECHANICALLY FASTENED; STAGGER ALL JOINTS VERTICALLY AND HORIZONTALLY.
  - TAPERED RIGID INSULATION TO FORM 1/4" PER 12" SLOPE - FULLY ADHERED.
  - 1/2" COVER BOARD.
  - EPDM MEMBRANE - FULLY ADHERED.
  - EPDM SHEET FLASHING.
  - PREFINISHED METAL COPINGS, END WALL FLASHING, COUNTERFLASHING, ETC.
- ROOF TYPE B: STRUCTURALLY SLOPED ROOF DECK OF 1/8" PER 12" SLOPE.**
- 1/4" SUBSTRATE BOARD.
  - 10 MIL. POLYETHYLENE VAPOR RETARDER - TAPE ALL JOINTS AND PERIMETER CONDITIONS.
  - TWO LAYERS OF 2 1/2" RIGID POLYISOCYANURATE INSULATION - MECHANICALLY FASTENED; STAGGER ALL JOINTS VERTICALLY AND HORIZONTALLY.
  - TAPERED RIGID INSULATION TO FORM 1/4" PER 12" SLOPE - FULLY ADHERED.
  - EPDM MEMBRANE - FULLY ADHERED.
  - EPDM SHEET FLASHING.
  - PREFINISHED METAL COPINGS, END WALL FLASHING, COUNTERFLASHING, ETC.

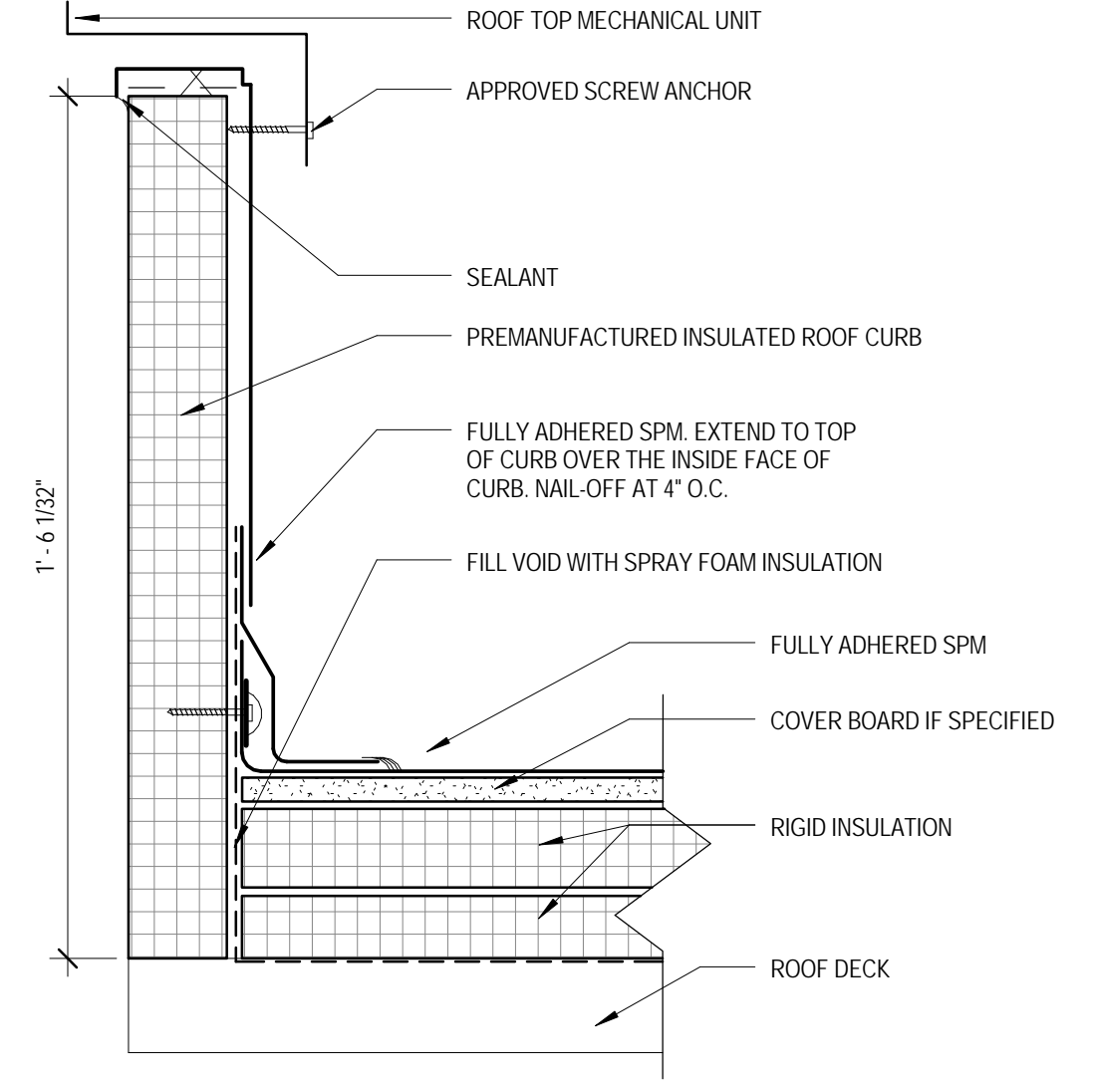




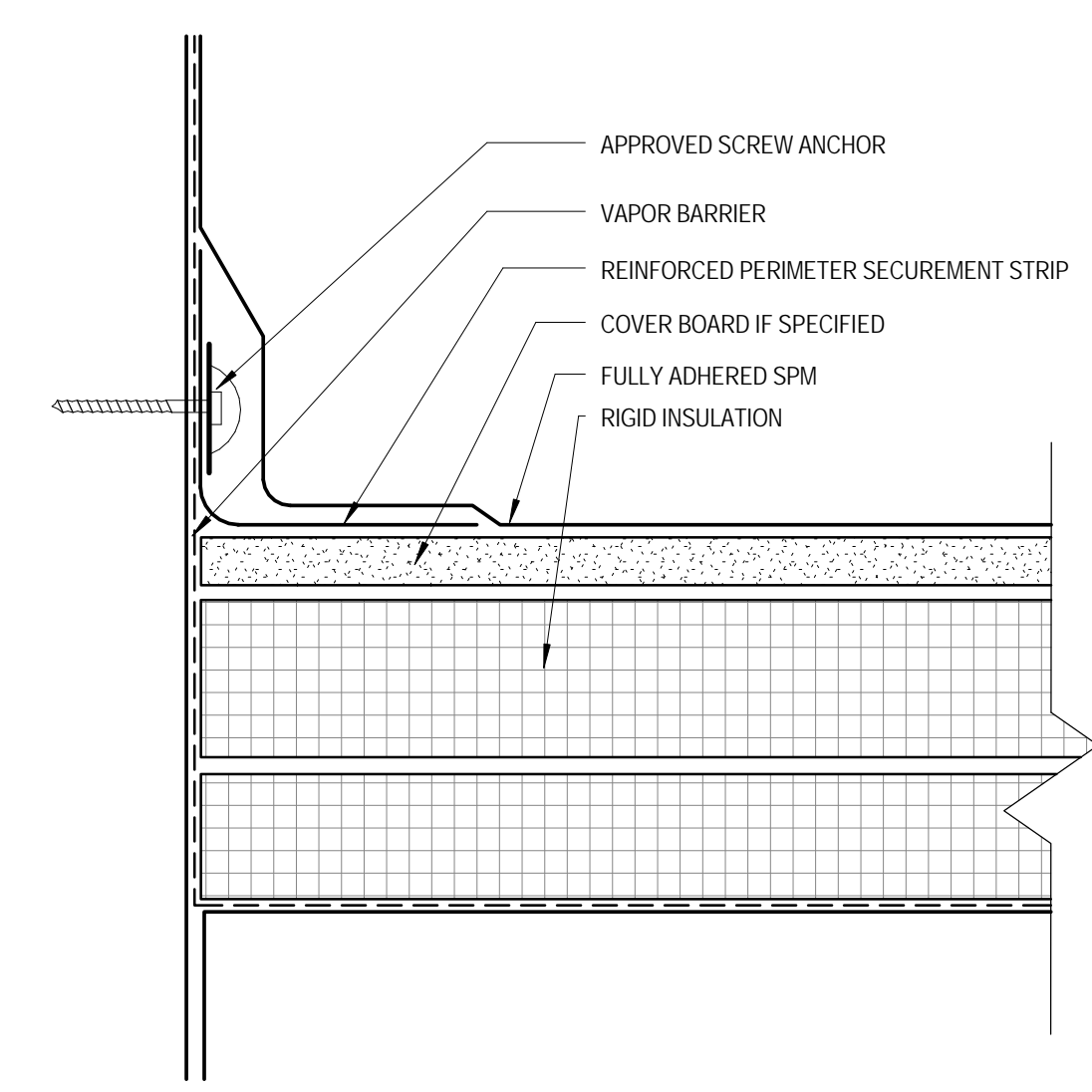
1 TYP. NEW ROOF DRAIN  
 3" x 1'-0"



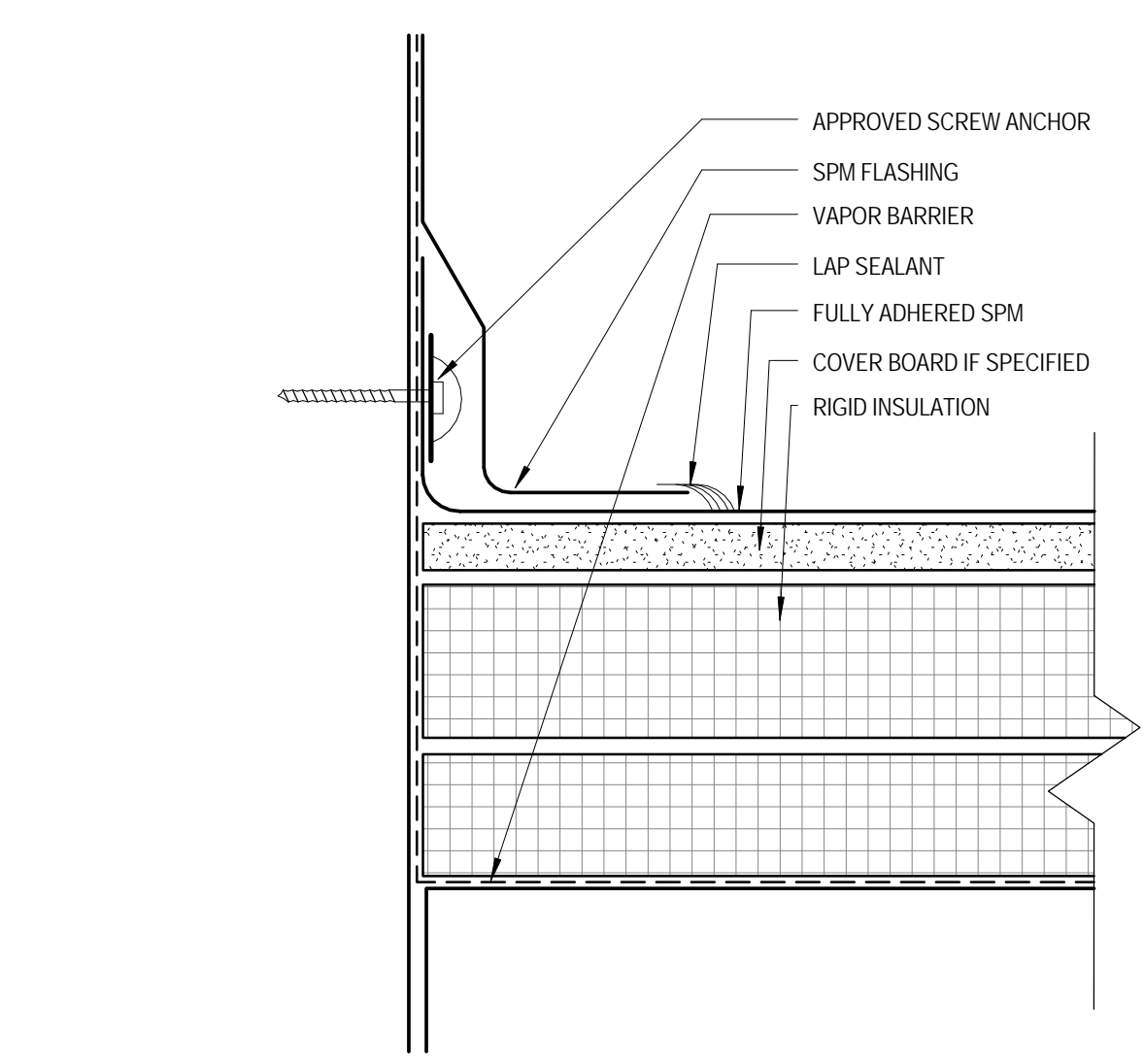
2 TYP. ROOF PIPE PENETRATION DETAIL  
 3" x 1'-0"



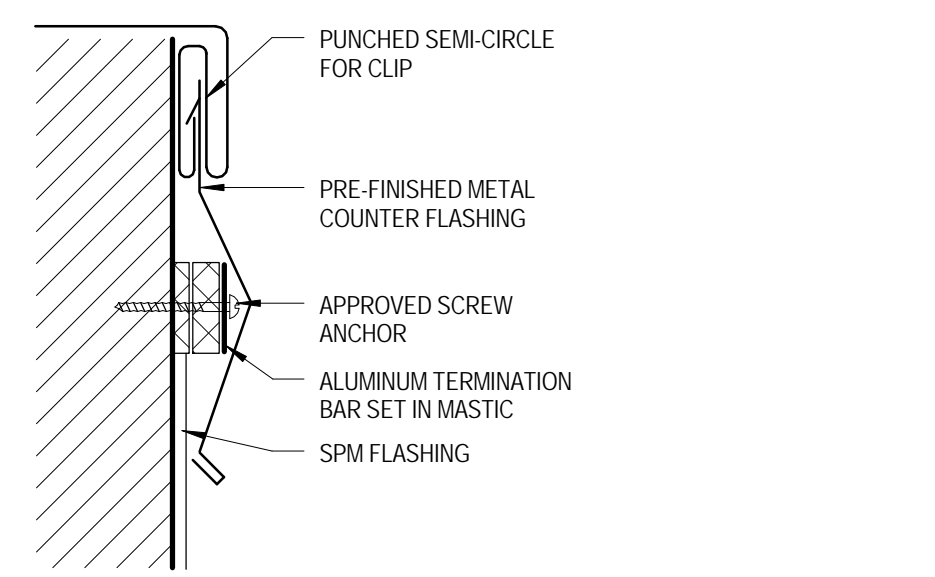
3 TYP. SECTION OF ROOF CURB PLAN  
 3" x 1'-0"



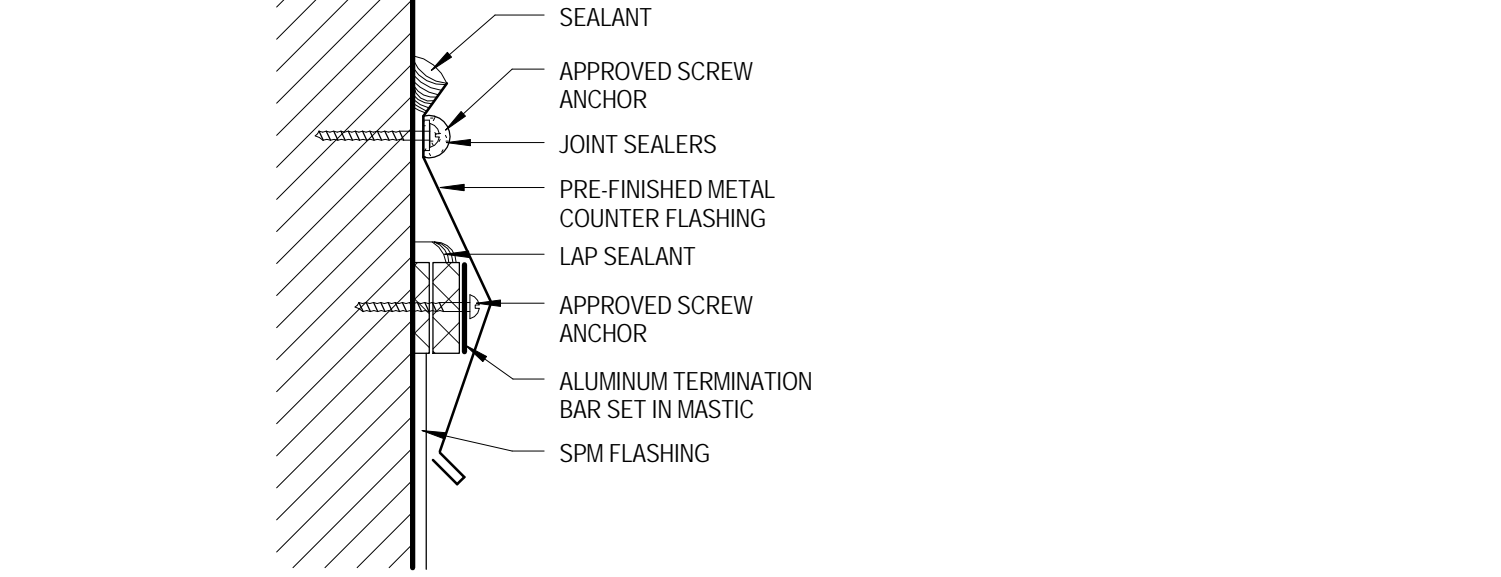
4 TYP. ROOF PERIMETER SECUREMENT DETAIL  
 6" x 1'-0"



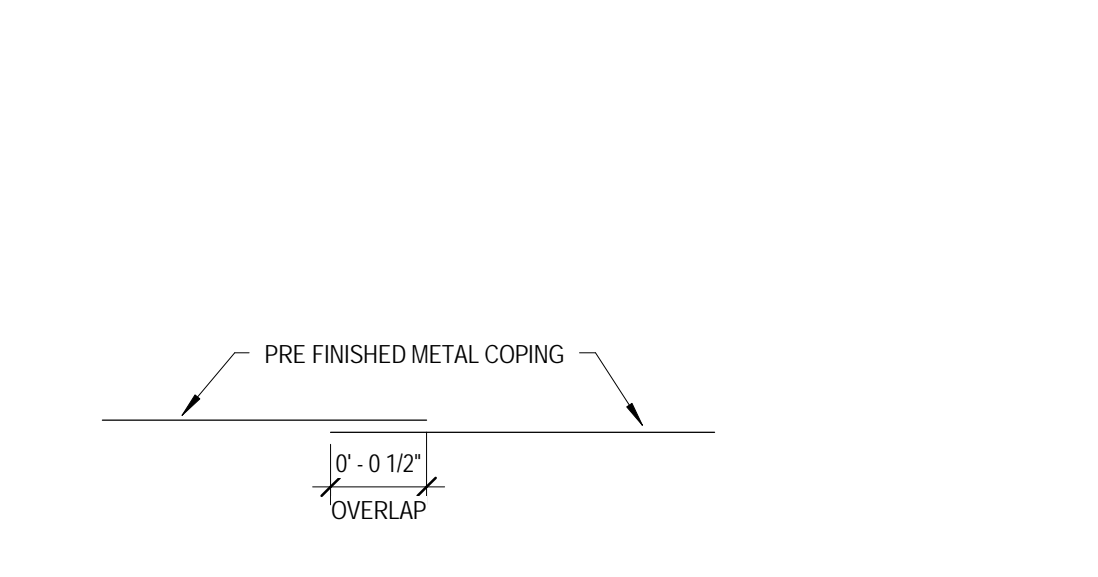
5 TYP. ROOF CURB BASE SECUREMENT DETAIL  
 6" x 1'-0"



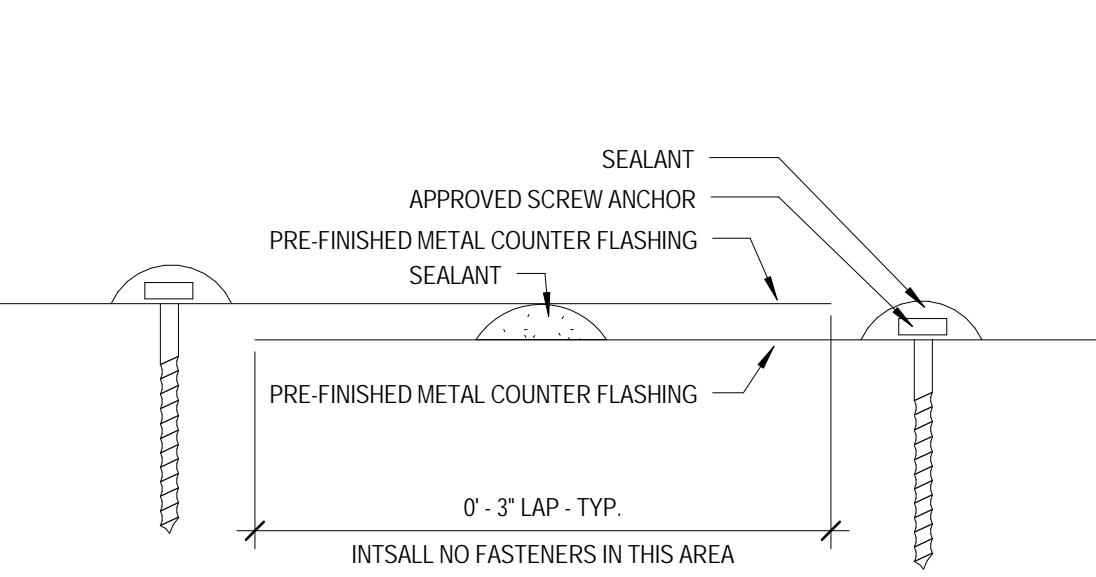
6 TYP. ROOF DETAIL - TWO-PIECE COUNTERFLASHING  
 6" x 1'-0"



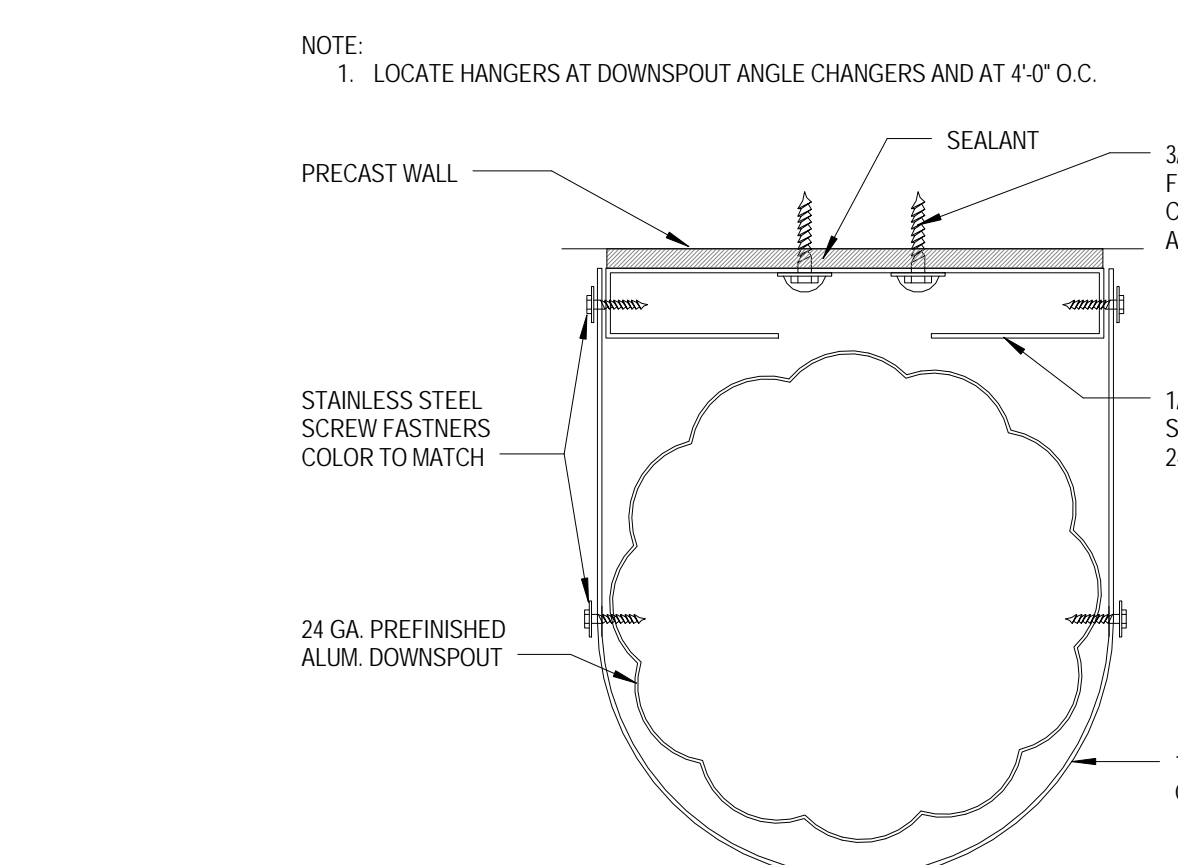
7 TYP. ROOF DETAIL - COUNTERFLASHING/ SPM TERMINATION DETAIL  
 6" x 1'-0"



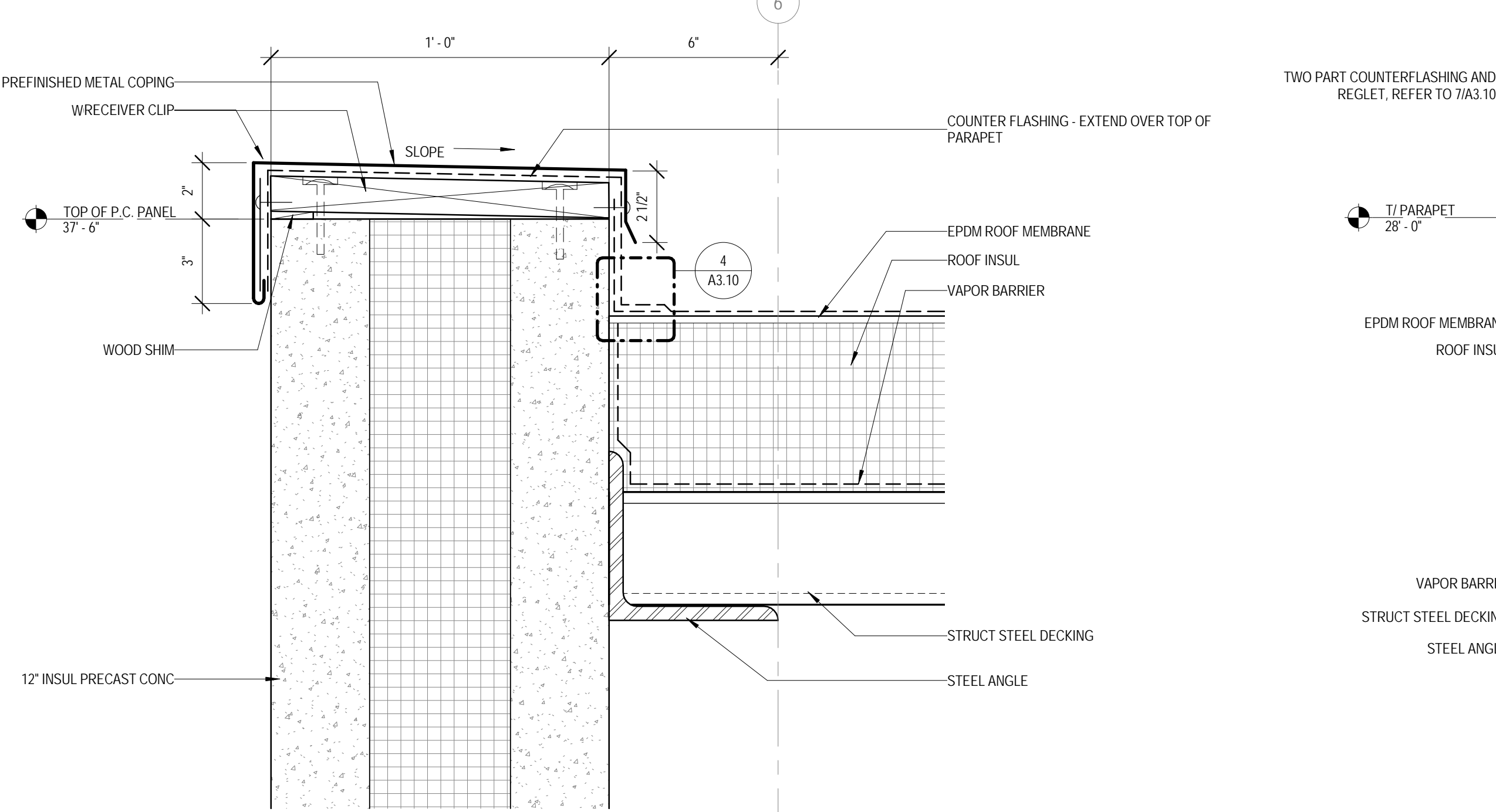
8 ROOF DETAIL - TYP. VERTICAL COPING JOINT  
 12" x 1'-0"



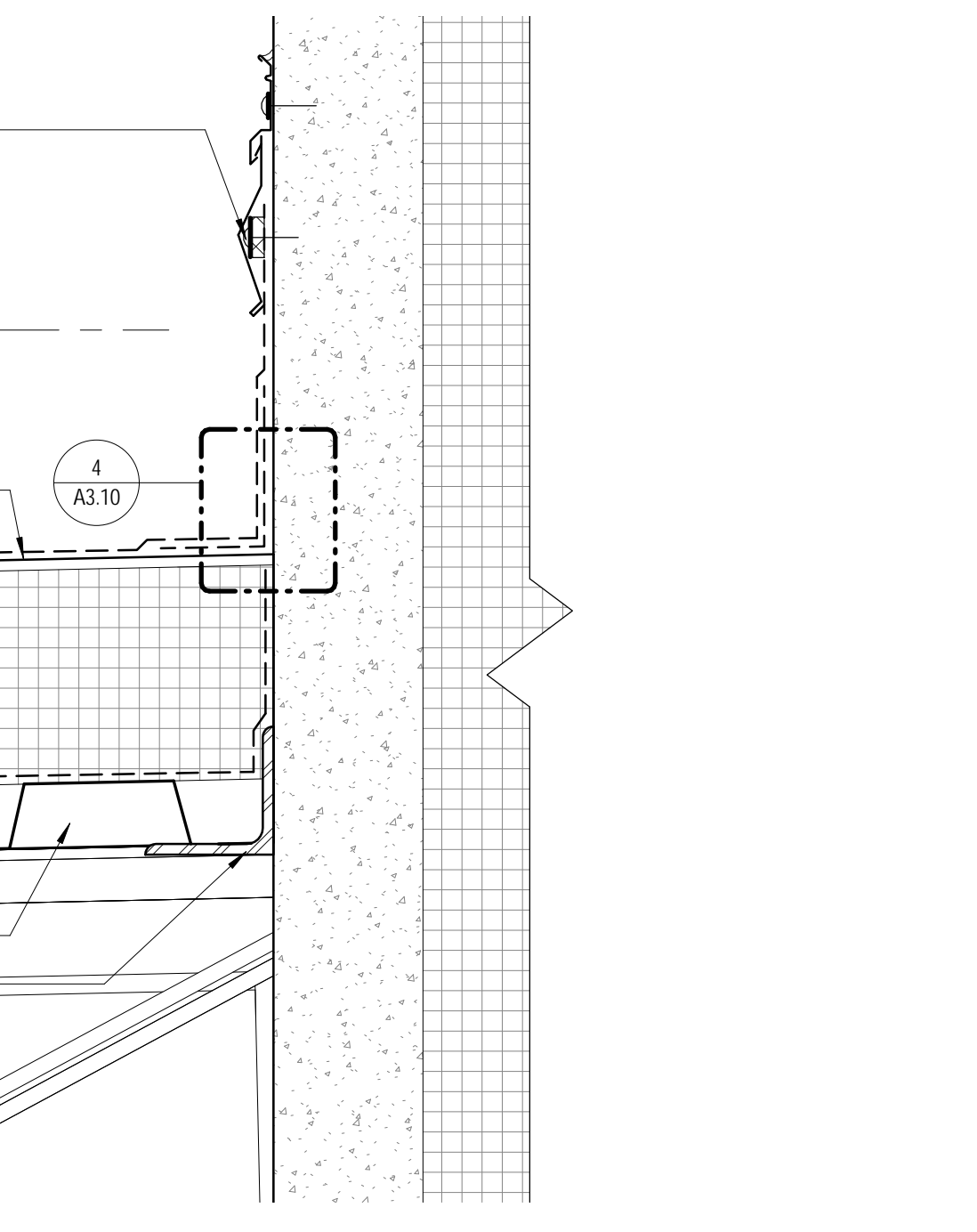
9 ROOF DETAIL - TYP. COUNTERFLASHING LAP JOINT  
 12" x 1'-0"



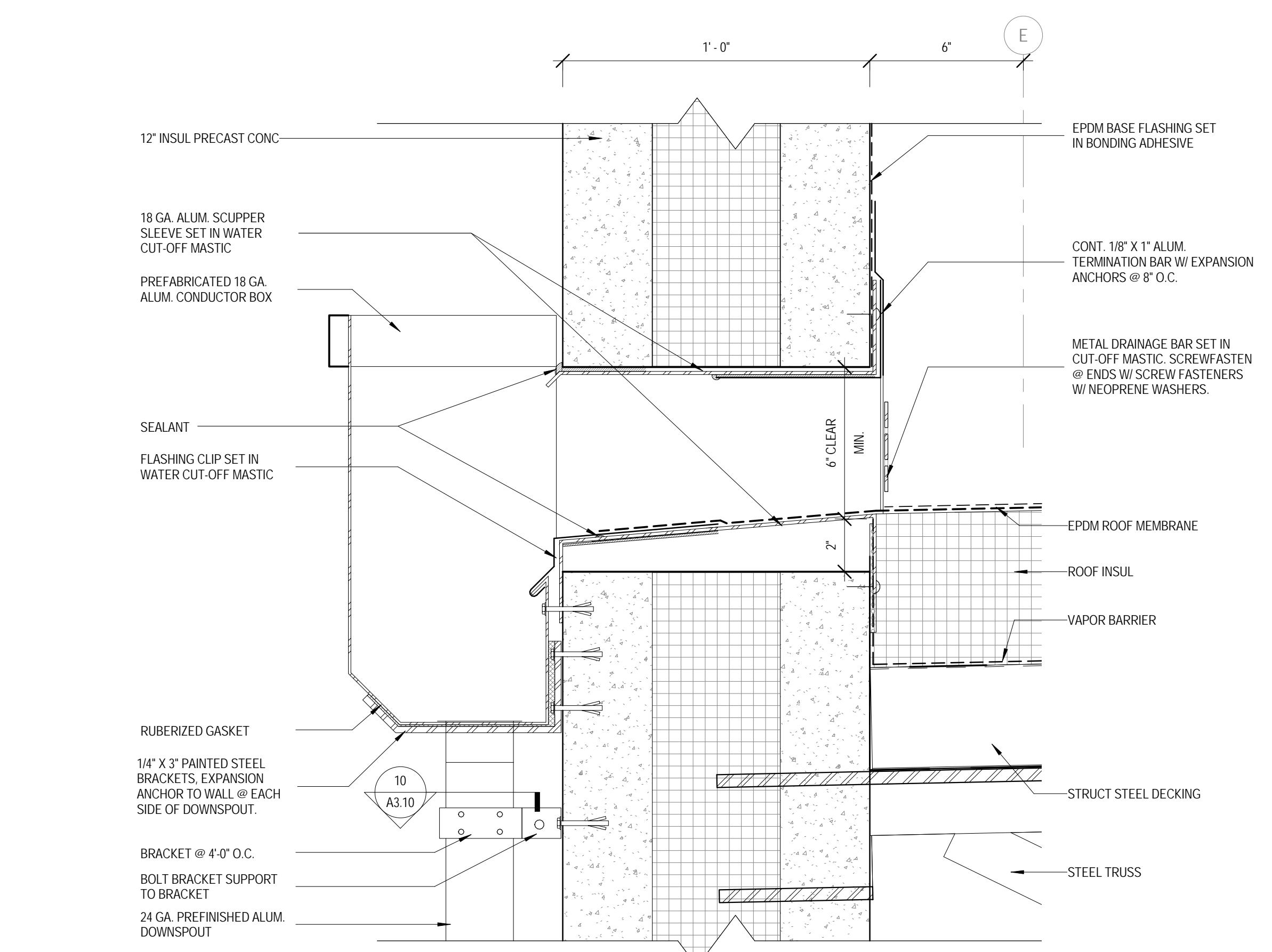
10 DOWNSPOUT BRACKET PLAN DETAIL  
 3" x 1'-0"



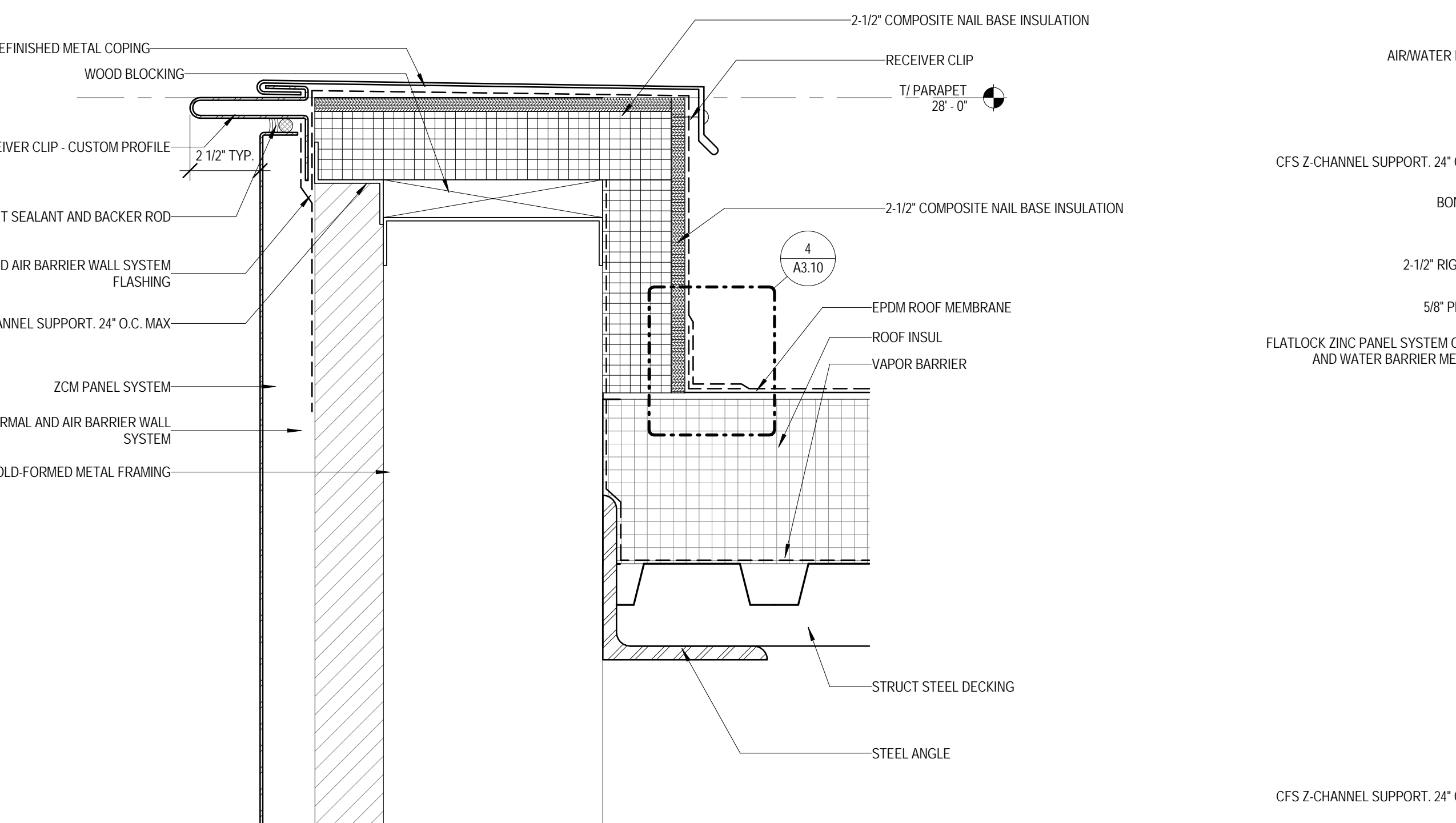
11 ROOF DETAIL - PRECAST PARAPET  
 3" x 1'-0"



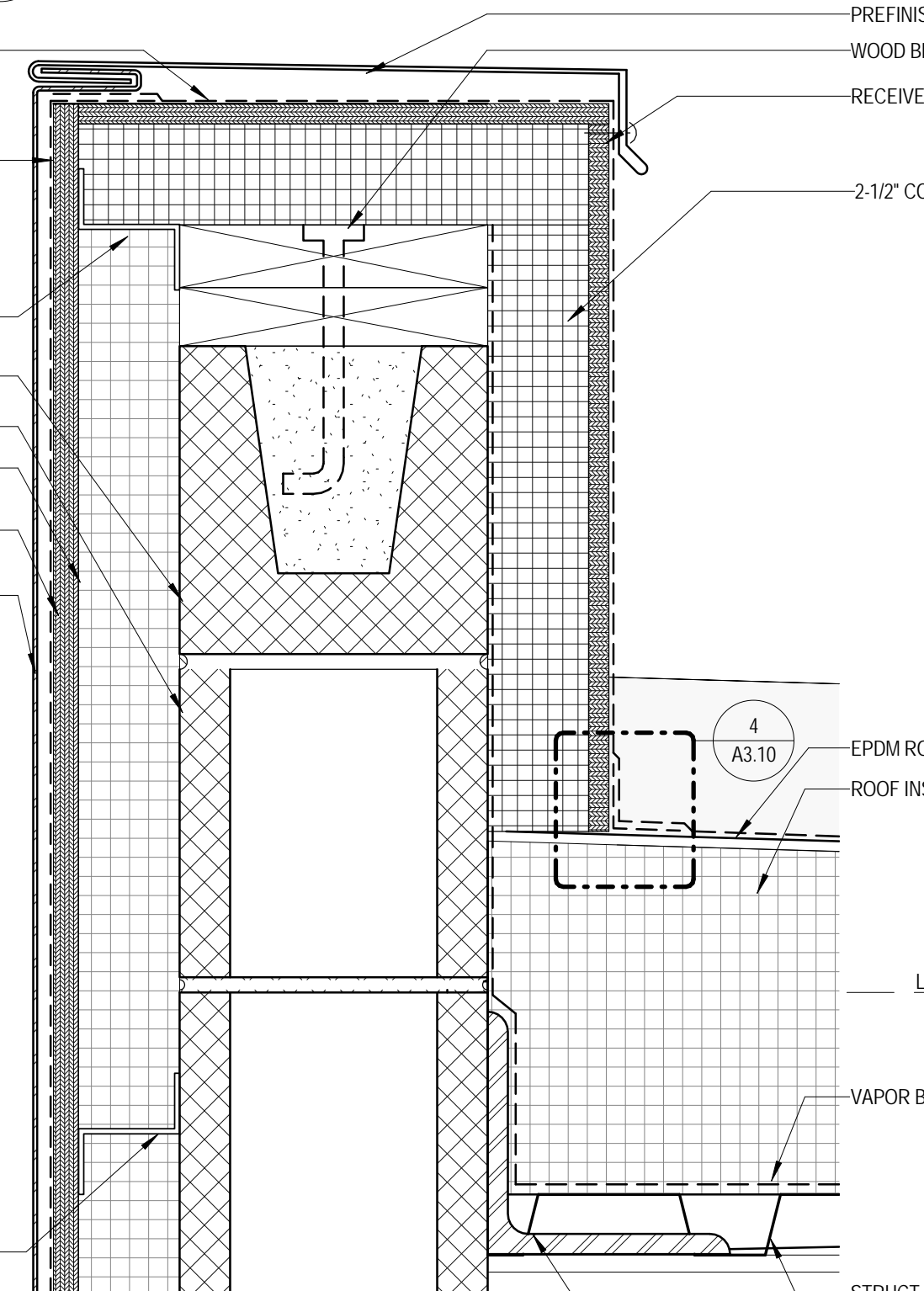
12 ROOF DETAIL - PRECAST AT LOW ROOF  
 3" x 1'-0"



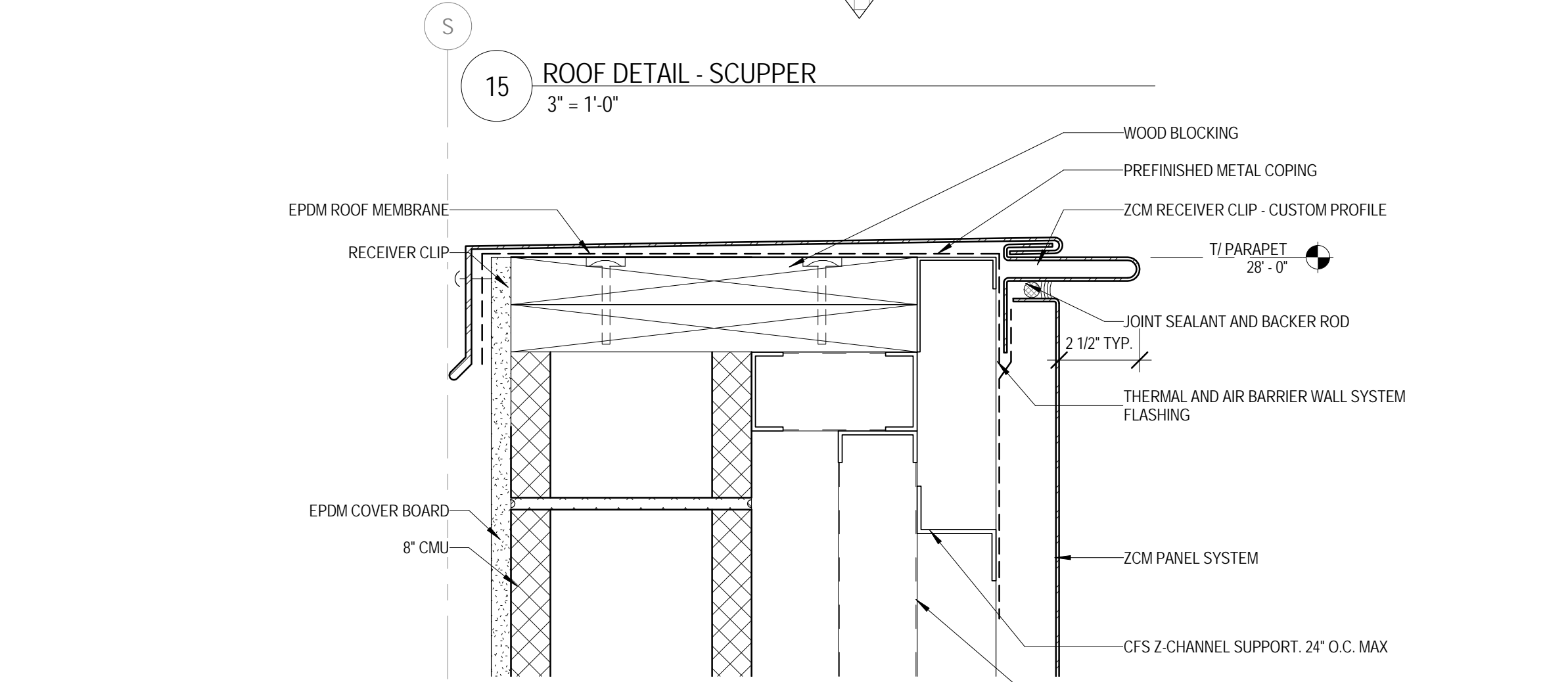
15 ROOF DETAIL - SCUPPER  
 3" x 1'-0"



13 ROOF DETAIL - ZCM  
 3" x 1'-0"



14 ROOF DETAIL - ZINC/ CMU  
 3" x 1'-0"



16 ROOF DETAIL - ZCM/ STUD  
 3" x 1'-0"

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID**  
**PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ROOF DETAILS**

SHEET NUMBER:  
**A3.10**



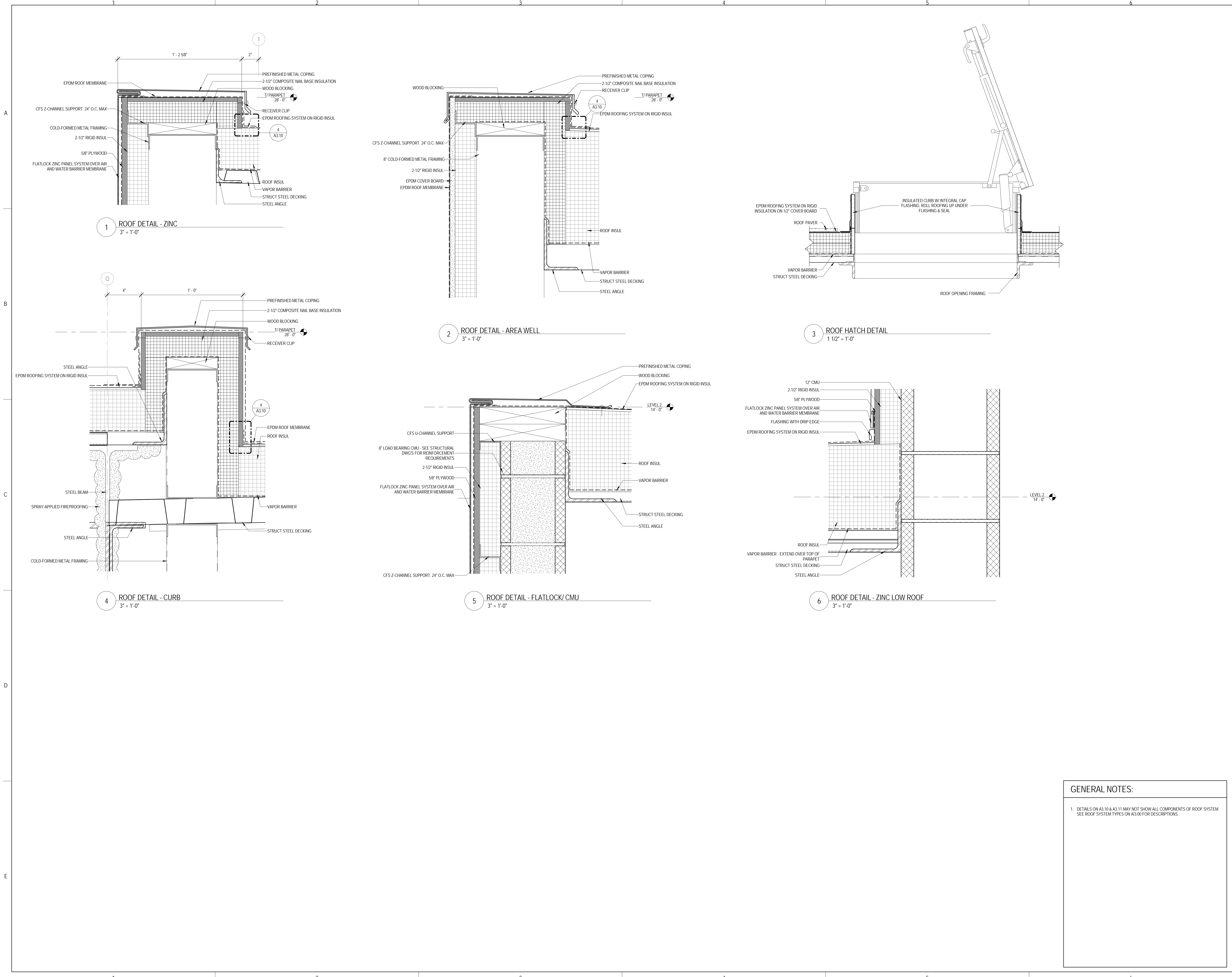


ARCHITECT OF RECORD  
**DEMIONA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



**GENERAL NOTES:**

1. DETAILS ON A3.10 & A3.11 MAY NOT SHOW ALL COMPONENTS OF ROOF SYSTEM. SEE ROOF SYSTEM TYPES ON A3.00 FOR DESCRIPTIONS.

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ROOF DETAILS**

SHEET NUMBER:  
**A3.11**

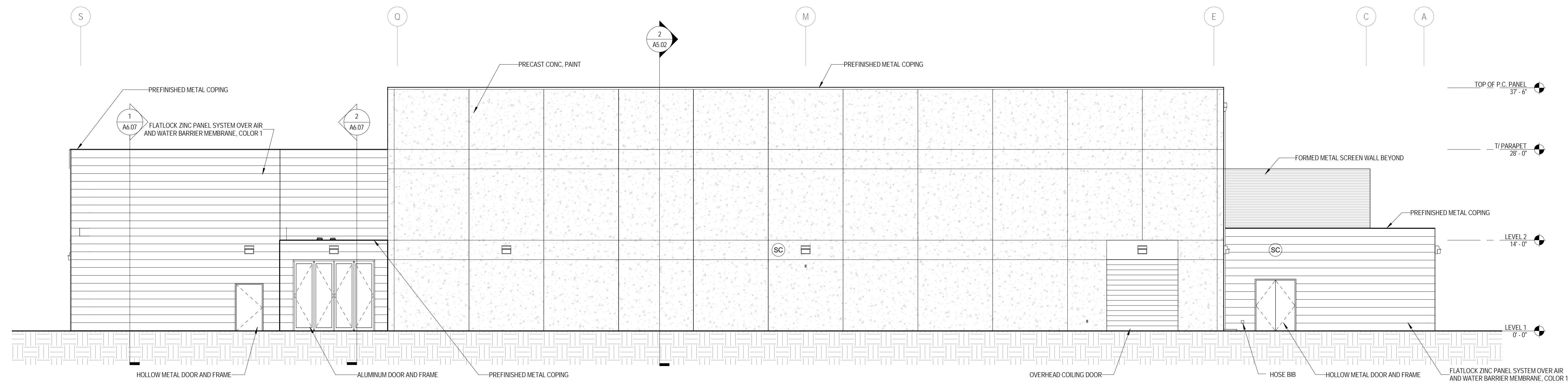


ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

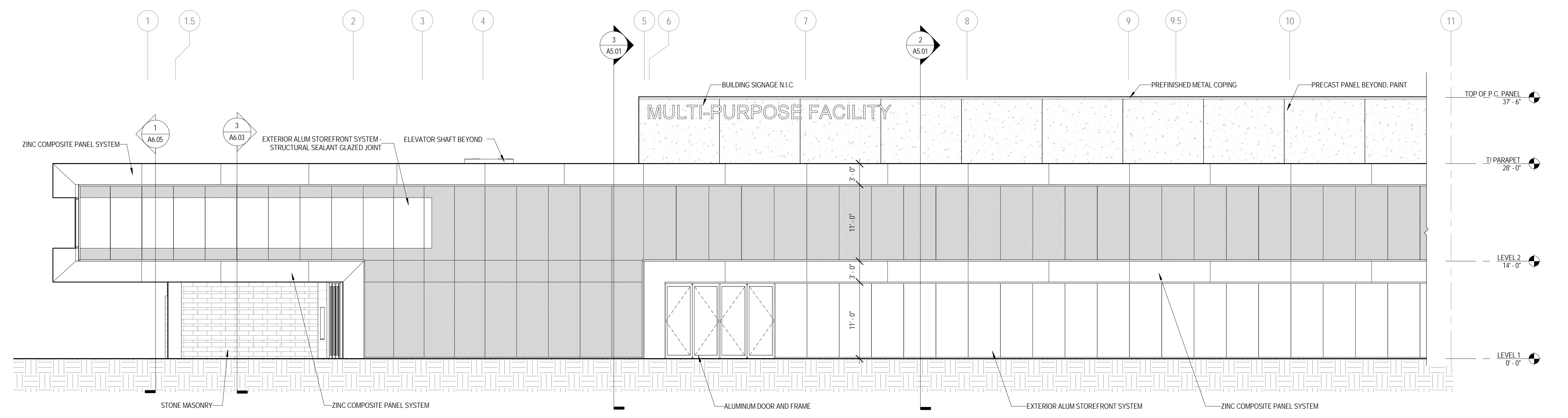
STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

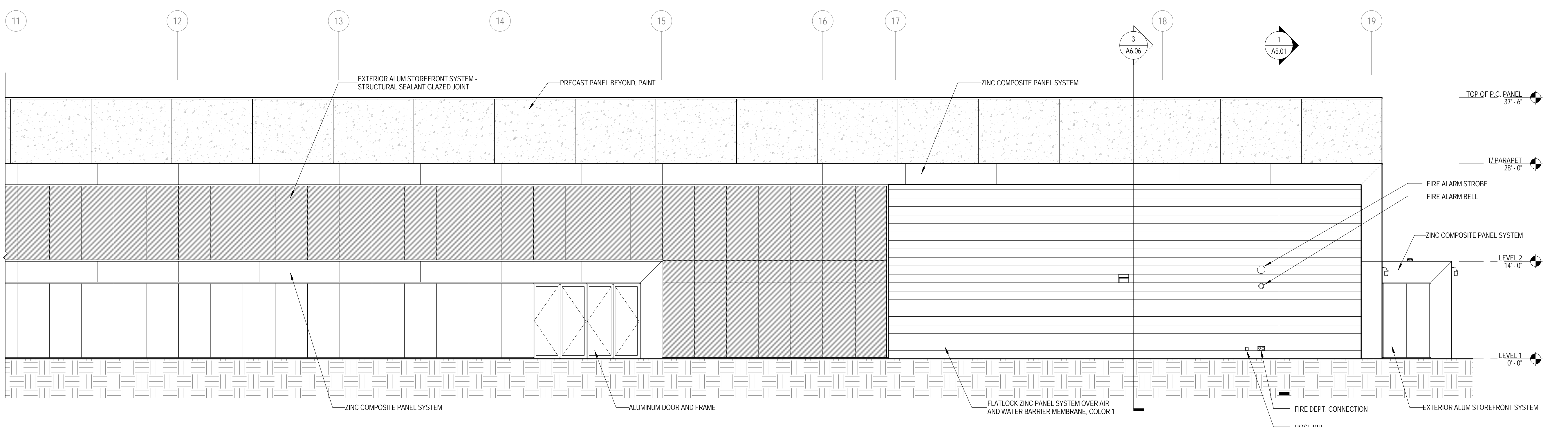
**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



1 NORTH ELEVATION  
 1/8" = 1'-0"



2 EAST ELEVATION - A  
 1/8" = 1'-0"



3 EAST ELEVATION - B  
 1/8" = 1'-0"

KEY PLAN:

SHEET STATUS: 07/17/15  
 ISSUED FOR BID  
 PACKAGE 2

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**EXTERIOR ELEVATIONS**

SHEET NUMBER:  
**A4.01**





ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

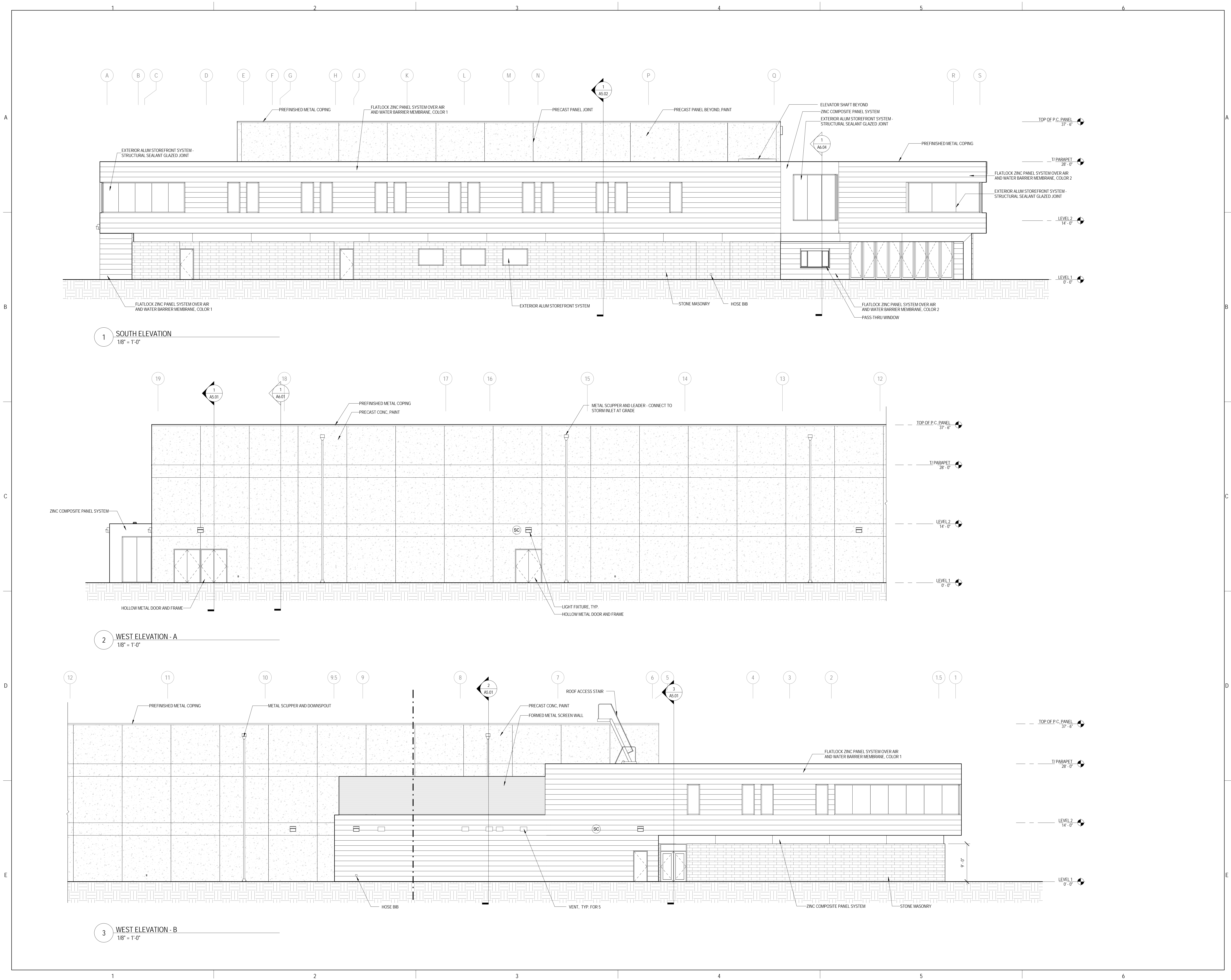
NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**EXTERIOR  
 ELEVATIONS**

SHEET NUMBER:

**A4.02**

7/20/2015 10:43:57 AM





ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**PRECAST PANEL  
 PLAN, MASSING &  
 DETAILS**

SHEET NUMBER:

**A4.10**

7/20/2015 10:44:04 AM

**PRECAST GENERAL NOTES:**

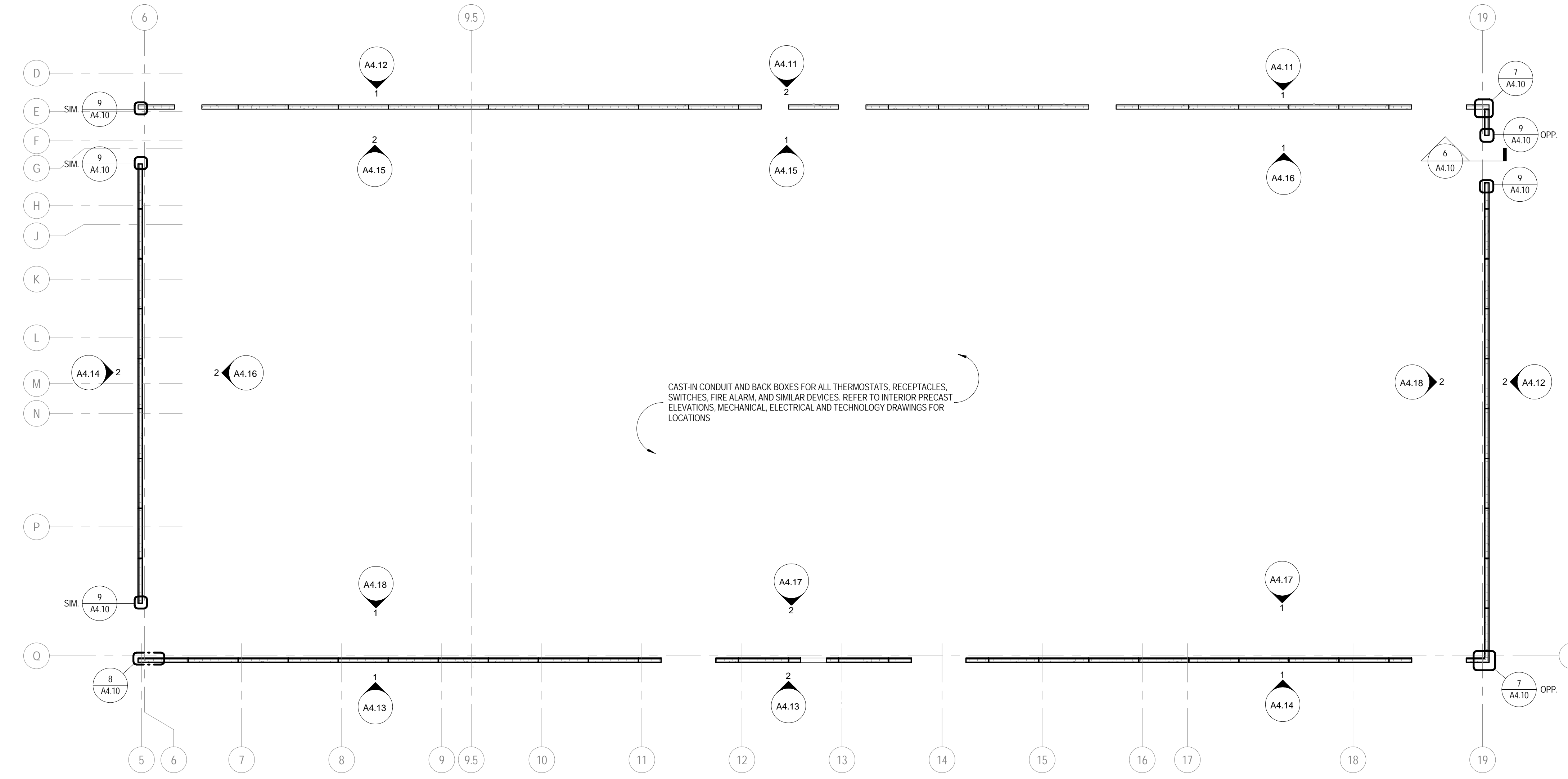
- CONTRACTOR RESPONSIBLE FOR FINAL INSTALLATION OF DEVICE SHALL REVIEW SHOP DRAWINGS TO VERIFY EMBEDDED JUNCTION BOX TYPE, LOCATION, AND QUANTITIES; AND EMBEDDED CONDUIT SIZE, ROUTING, AND QUANTITIES.
- ALL CONDUIT EMBED INTO PRECAST SHALL BE 3/4 INCH UNLESS NOTED OTHERWISE.
- REFER TO SHEET A4.10 FOR PRECAST PANEL PLAN AND DETAILS.
- COORDINATE ROUGH OPENING REQUIREMENTS WITH ALL DOORS AND FRAMES AS SPECIFIED.
- COORDINATE LOCATIONS OF BEAM EMBED PLATES AND JOIST BEARING POCKETS WITH STRUCTURAL DRAWINGS.

**DEVICE TYPES**

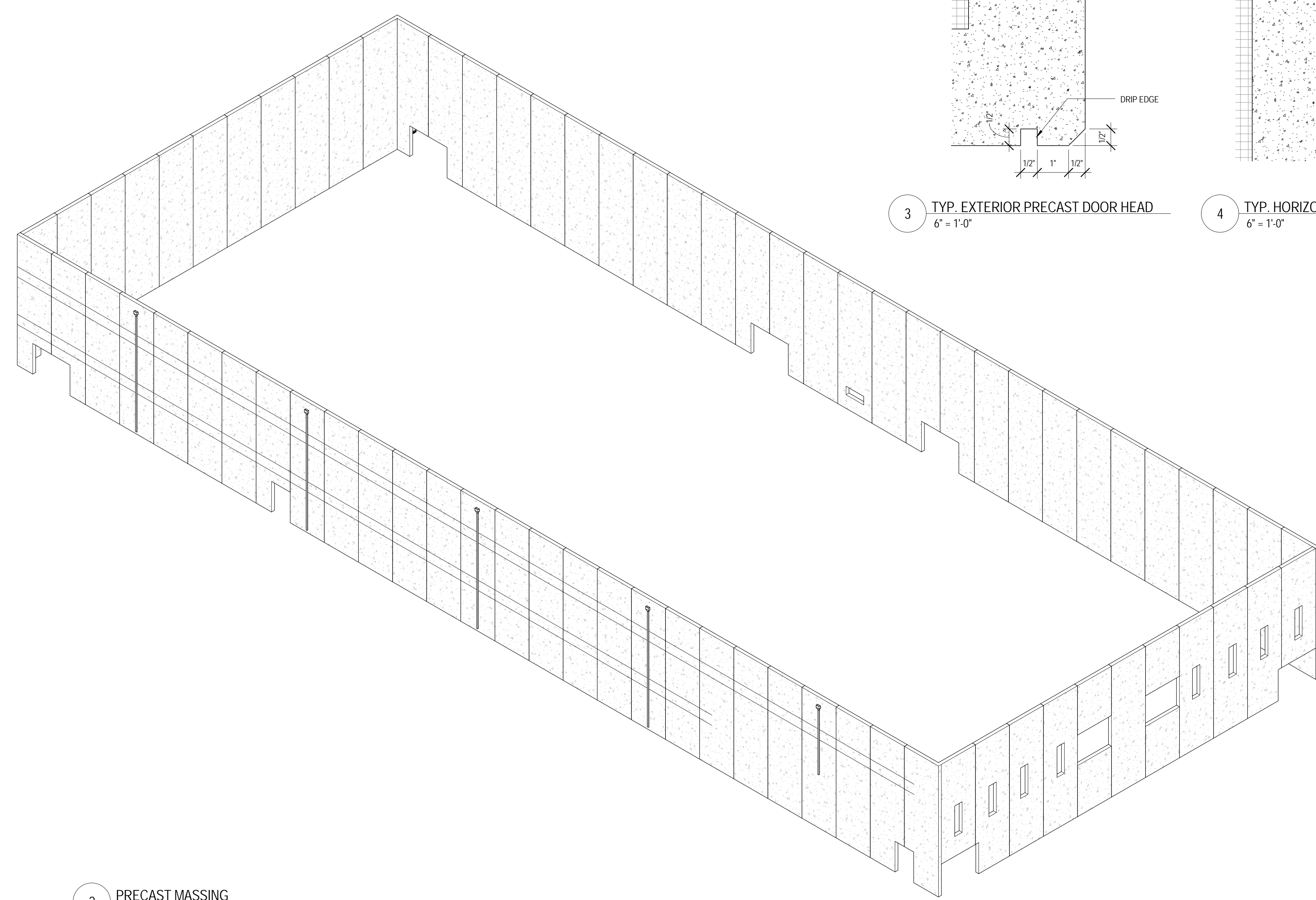
DEVICE	J. BOX TYPE
A	SINGLE GANG
B	DOUBLE GANG
C	SINGLE GANG
D	DOUBLE GANG
E	SINGLE GANG
F	SINGLE GANG
G	SINGLE GANG
H	SINGLE GANG
I	SINGLE GANG
J	DOUBLE GANG
K	DOUBLE GANG
L	NOT USED
M	DOUBLE GANG
N	SINGLE GANG
O	DOUBLE GANG
P	SINGLE GANG
Q	SINGLE GANG
R	DOUBLE GANG
S	DOUBLE GANG
T	SINGLE GANG
U	DOUBLE GANG
V	SINGLE GANG
W	SINGLE GANG

**PRECAST REFERENCED NOTES:**

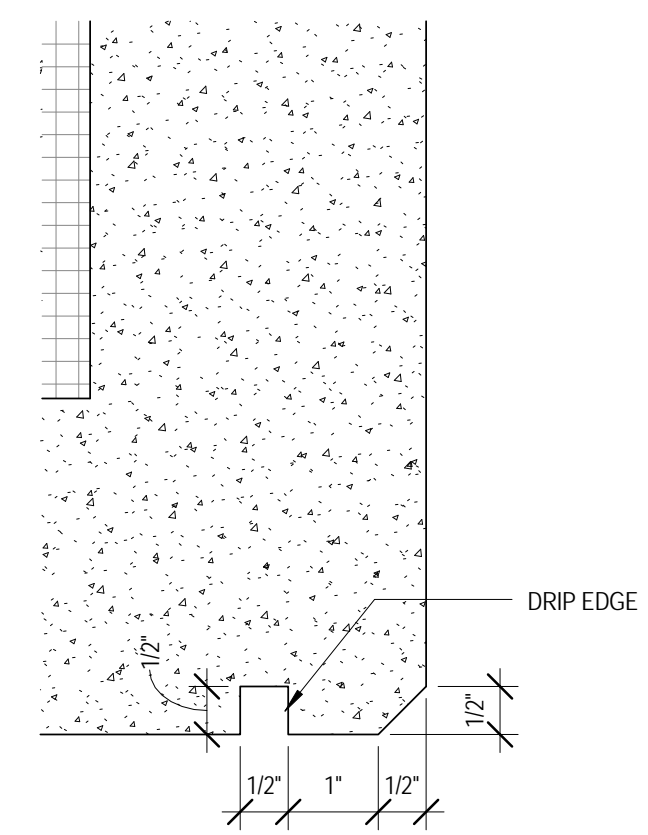
- ROUTE CONDUIT TO FIRST FLOOR PLENUM: EXIT PANEL ON SAME FACE AS DEVICE.
- ROUTE CONDUIT TO FIRST FLOOR PLENUM: EXIT PANEL ON OPPOSITE FACE OF DEVICE.
- ROUTE CONDUIT TO SECOND FLOOR PLENUM: EXIT PANEL ON SAME FACE AS DEVICE.
- ROUTE CONDUIT TO SECOND FLOOR PLENUM: EXIT PANEL ON OPPOSITE FACE OF DEVICE.
- ROUTE CONDUIT TO ZONE OF FIELD HOUSE ROOF STRUCTURE: EXIT PANEL ON SAME FACE AS DEVICE AT 6 INCHES BELOW JOIST BEARING POCKET.
- (SAME AS #5, BUT EXIT @ OPPOSITE FACE OF DEVICE.)
- PROVIDE 2 CONDUITS FROM DEVICE BOX TO ASSOCIATED PULL BOX.
- PROVIDE 2 CONDUITS FROM DEVICE BOX TO PANEL EXIT.
- HORIZONTAL PRECAST REVEAL: REFER TO DETAIL 04A4.11.
- PROVIDE OPENING FOR ROOF SCUPPER.
- PROVIDE OPENING FOR ALTERNATE BID 2 & 3 ONLY.
- PROVIDE OPENING FOR ALTERNATE BID 3 ONLY.
- DASHED LINE INDICATES PROFILE OF INTERSECTING BUILDING IN FOREGROUND.
- TERMINATE REVEAL AT CENTERLINE OF CURB BACK-UP OF INTERSECTING EXTERIOR WALL - LOCATION VARIES FOR EACH ALT. BID SCENARIO.
- ELIMINATE DEVICE AND CONDUIT IF ALT. BID 2 OR 3 IS ACCEPTED.
- ELIMINATE DEVICE AND CONDUIT IF ALT. BID 1 IS ACCEPTED.
- DASHED LINE INDICATES PROFILE OF STAIR TREADS & LANDING PRECAST TO SUPPORT 60 #11 DEADLOAD & 400 #11 LF LIVELOAD.
- DIET PENETRATION - COORD. SIZE WITH VENTILATION DRAWINGS.
- EXTEND CONDUIT FROM PULL BOX DOWN INTO HEAD OF DOOR FRAME.
- PROVIDE (4) SPARE CONDUITS AT 1" EA. ROUTED FROM FIELD HOUSE ROOF STRUCTURE ZONE TO SECOND FLOOR PLENUM (OPPOSITE SIDE OF PANEL).
- PROVIDE SEPARATE CONDUITS FOR POWER & CONTROL WIRING.
- ROUTE CONDUIT TO PULL BOX ABOVE.
- PROVIDE CONDUIT FROM PULL BOX TO JAMB OF DOOR OPENING FOR CONNECTION TO DOOR MOTOR.



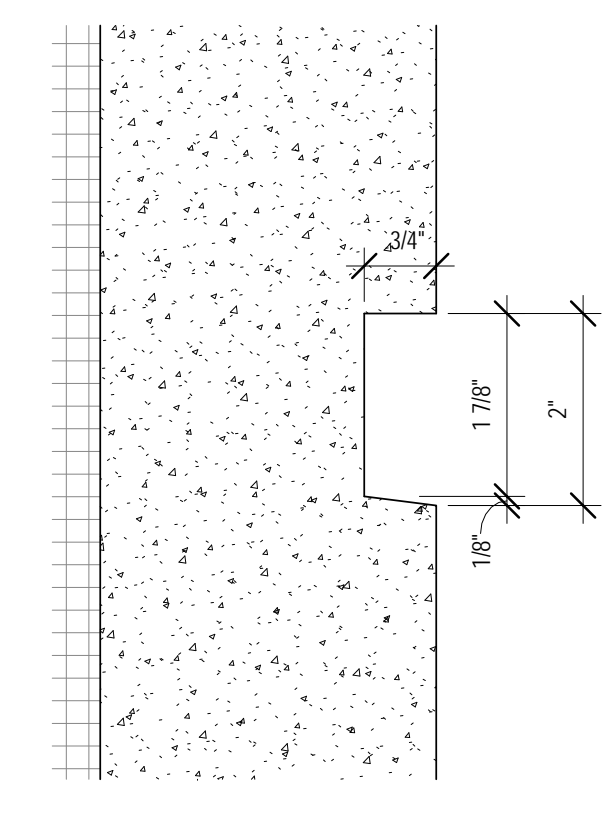
1 PRECAST PLAN  
 1/16" = 1'-0"



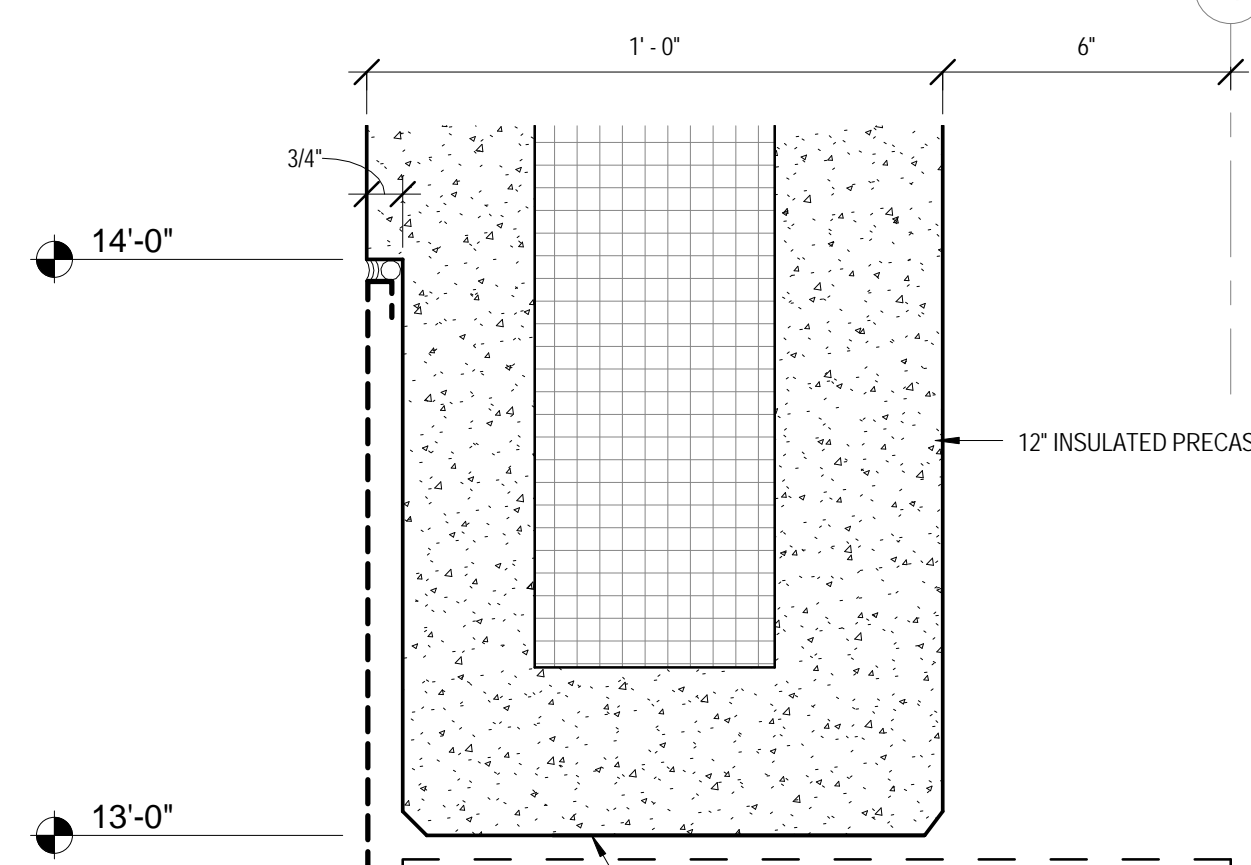
2 PRECAST MASSING



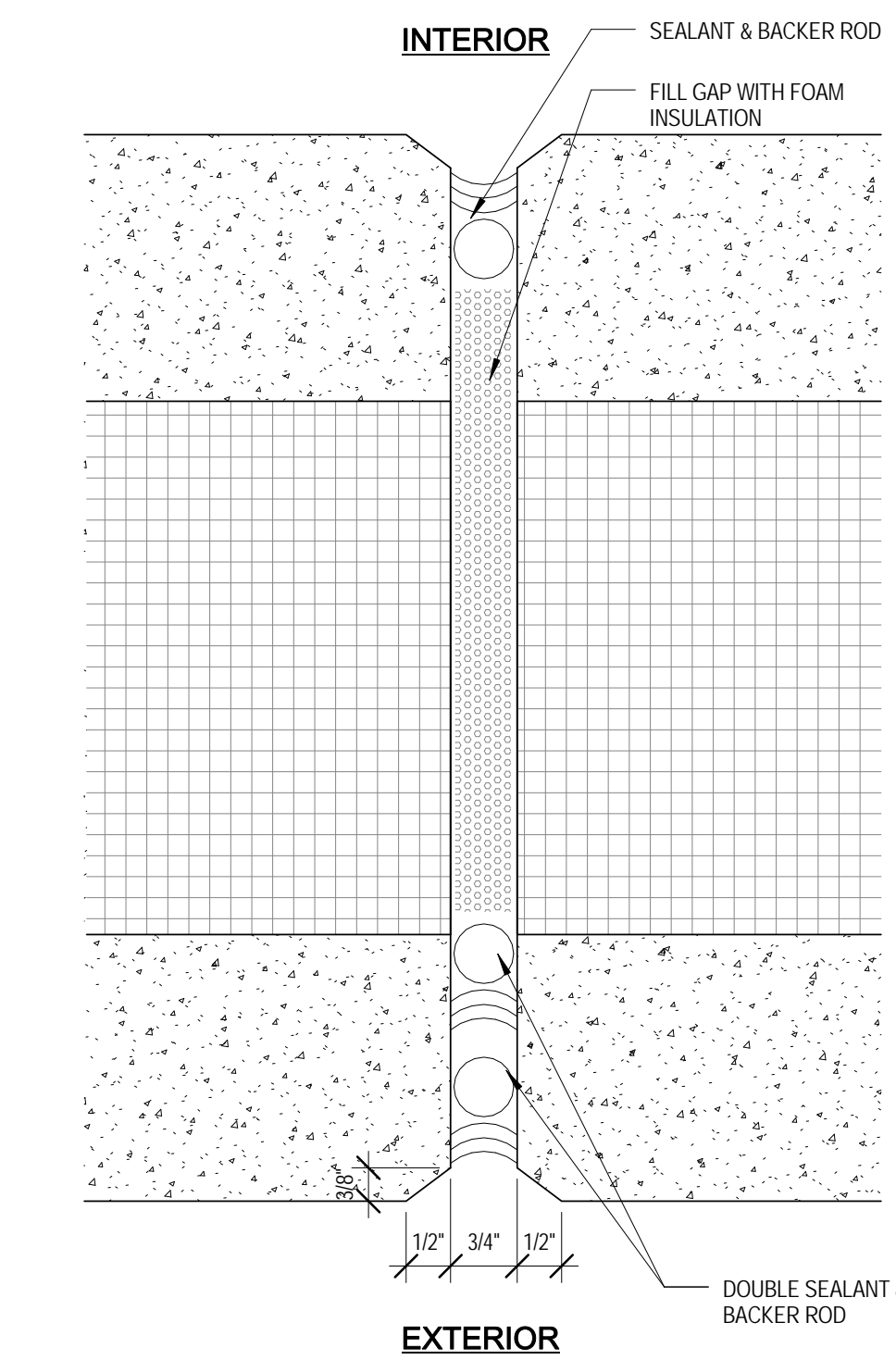
3 TYP. EXTERIOR PRECAST DOOR HEAD  
 6" = 1'-0"



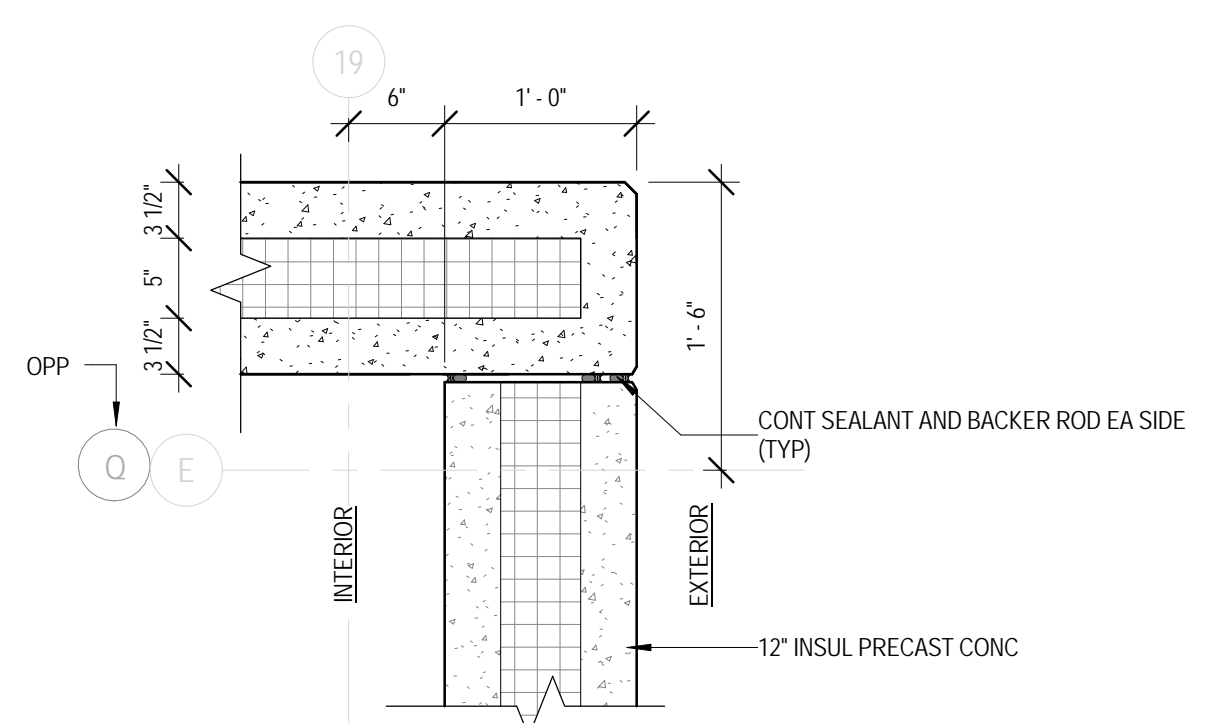
4 TYP. HORIZONTAL PRECAST REVEAL  
 6" = 1'-0"



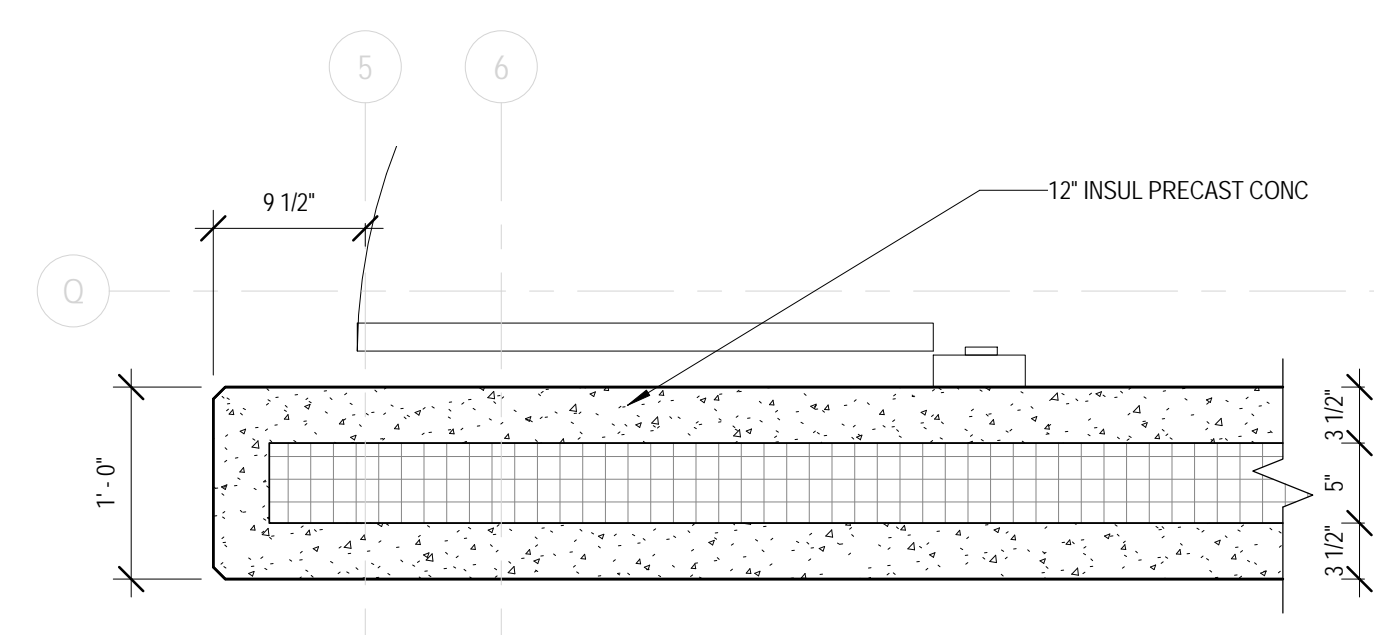
6 PRECAST HEADER DETAIL @ COILING DOOR  
 3" = 1'-0"



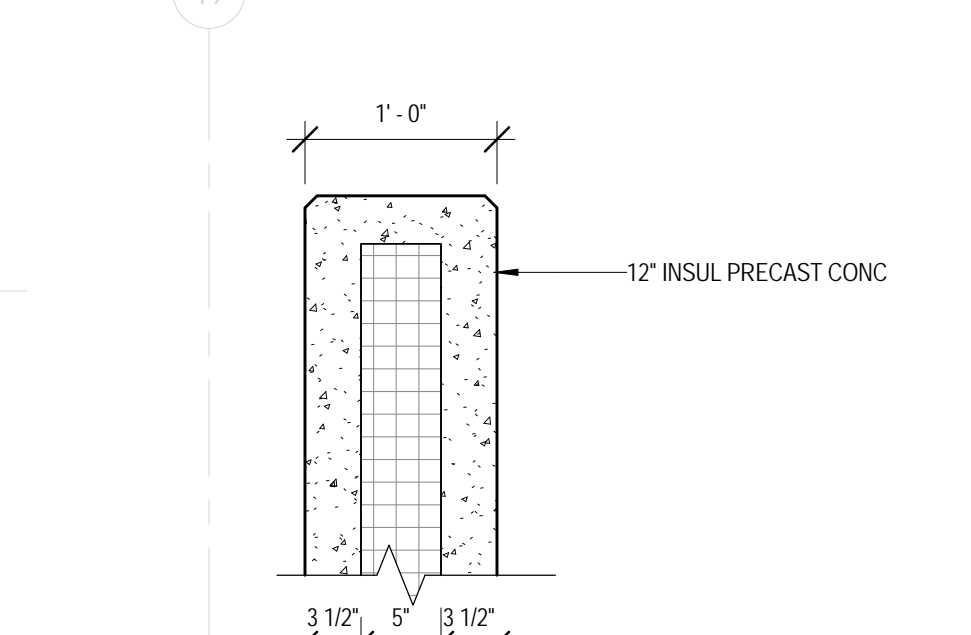
5 TYP. VERTICAL PRECAST PANEL JOINT  
 6" = 1'-0"



7 PRECAST DETAIL AT TYPICAL CORNER  
 1" = 1'-0"



8 PRECAST DETAIL AT VESTIBULE - D  
 1" = 1'-0"



9 PRECAST DETAIL AT OVERHEAD DOOR OPENING  
 1" = 1'-0"





ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

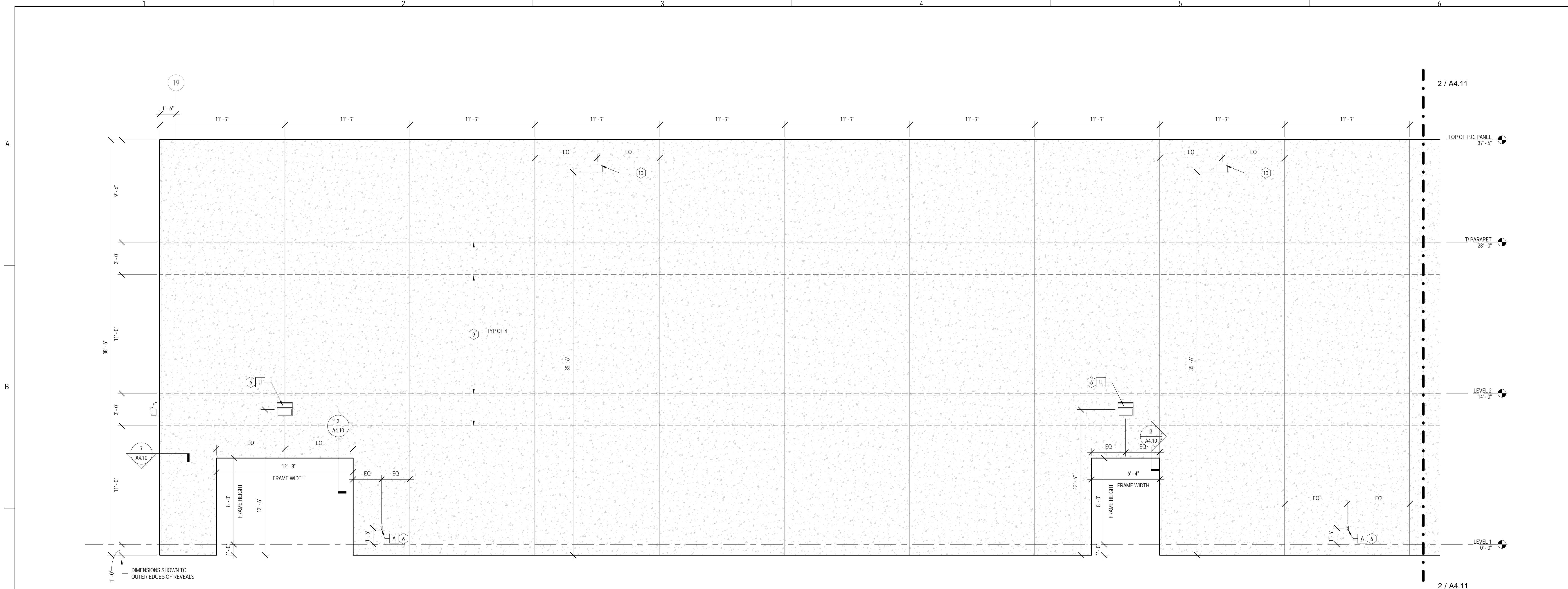
NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**PRECAST PANEL  
 EXTERIOR  
 ELEVATIONS**

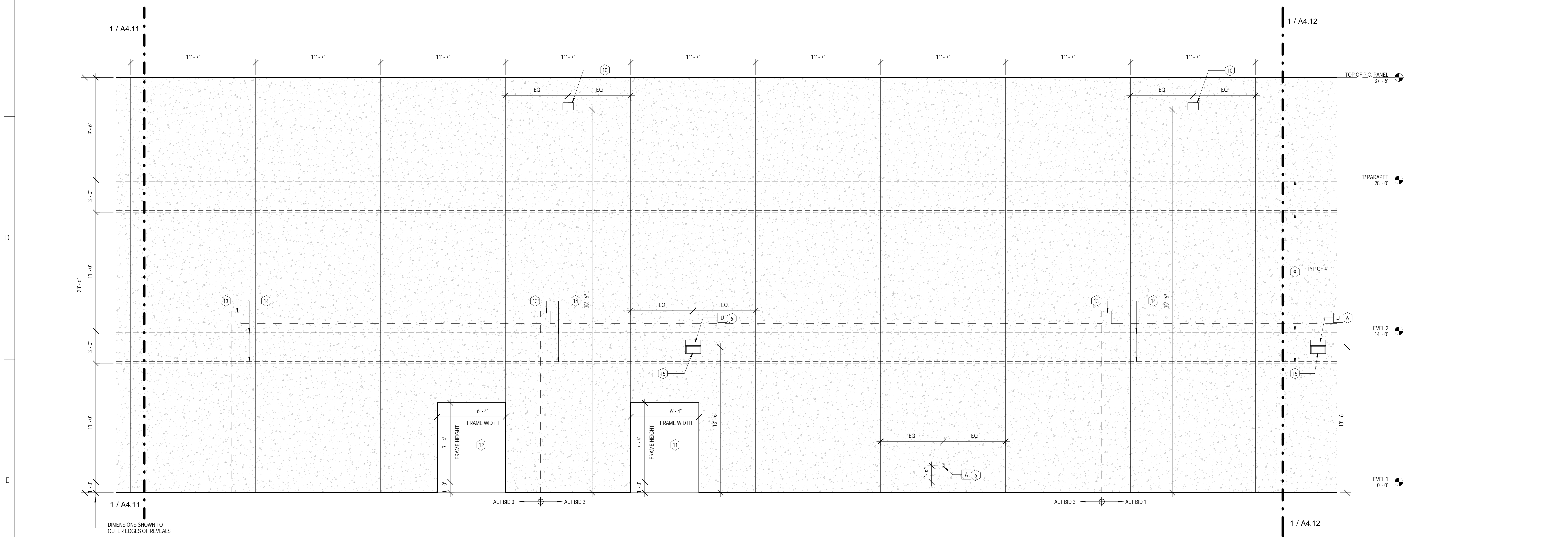
SHEET NUMBER:

**A4.11**

7/20/2015 10:44:20 AM



**1** PRECAST EXTERIOR ELEVATION - WEST A  
 1/4" = 1'-0"



**2** PRECAST EXTERIOR ELEVATION - WEST B  
 1/4" = 1'-0"





ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

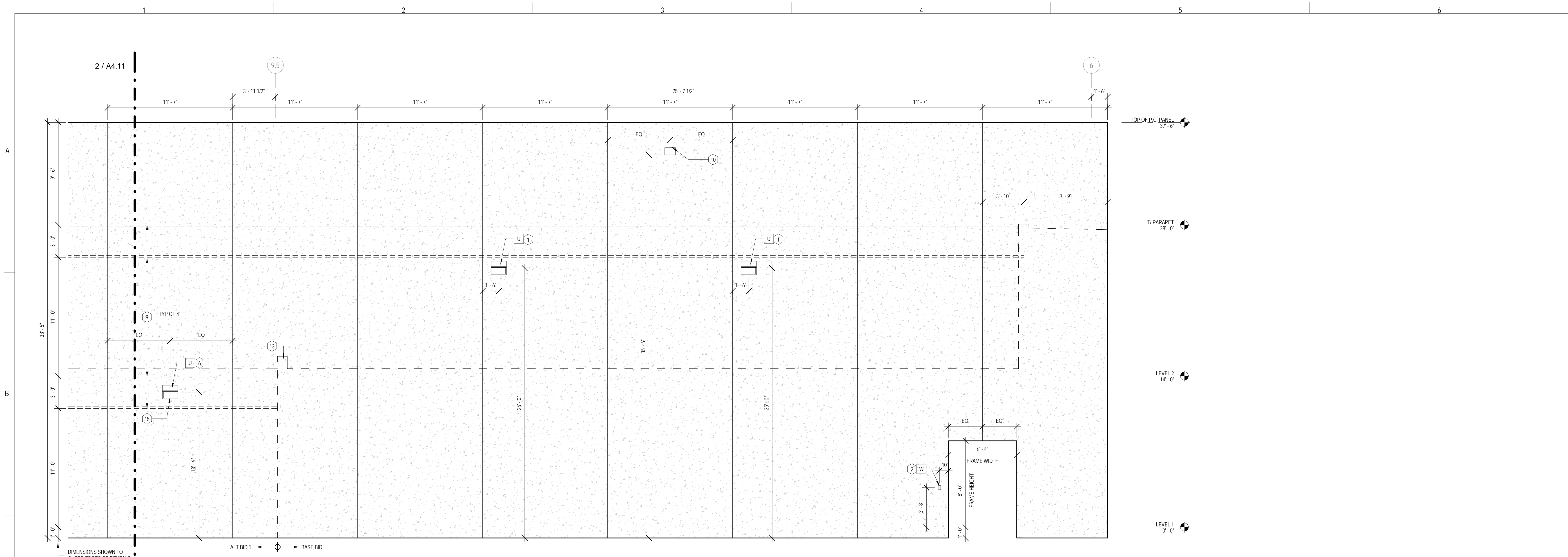
NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**PRECAST PANEL  
 EXTERIOR  
 ELEVATIONS**

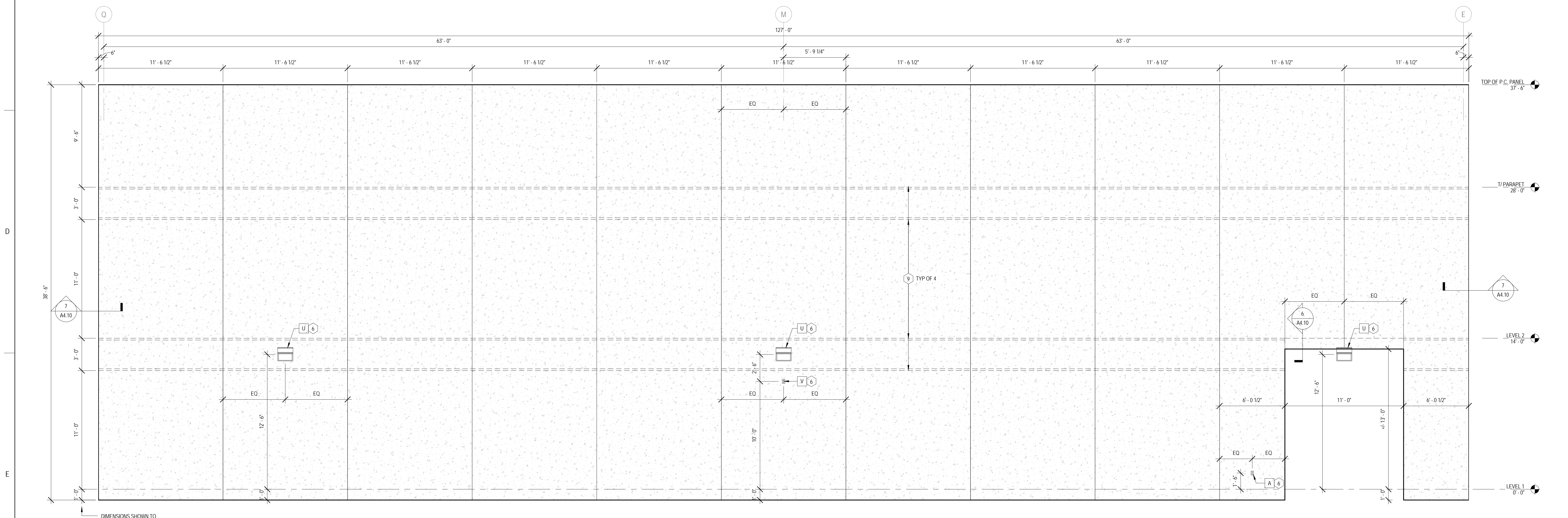
SHEET NUMBER:

**A4.12**

7/20/2015 10:44:37 AM



**1** PRECAST EXTERIOR ELEVATION - WEST C  
 1/4" = 1'-0"



**2** PRECAST EXTERIOR ELEVATION - NORTH  
 1/4" = 1'-0"





ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

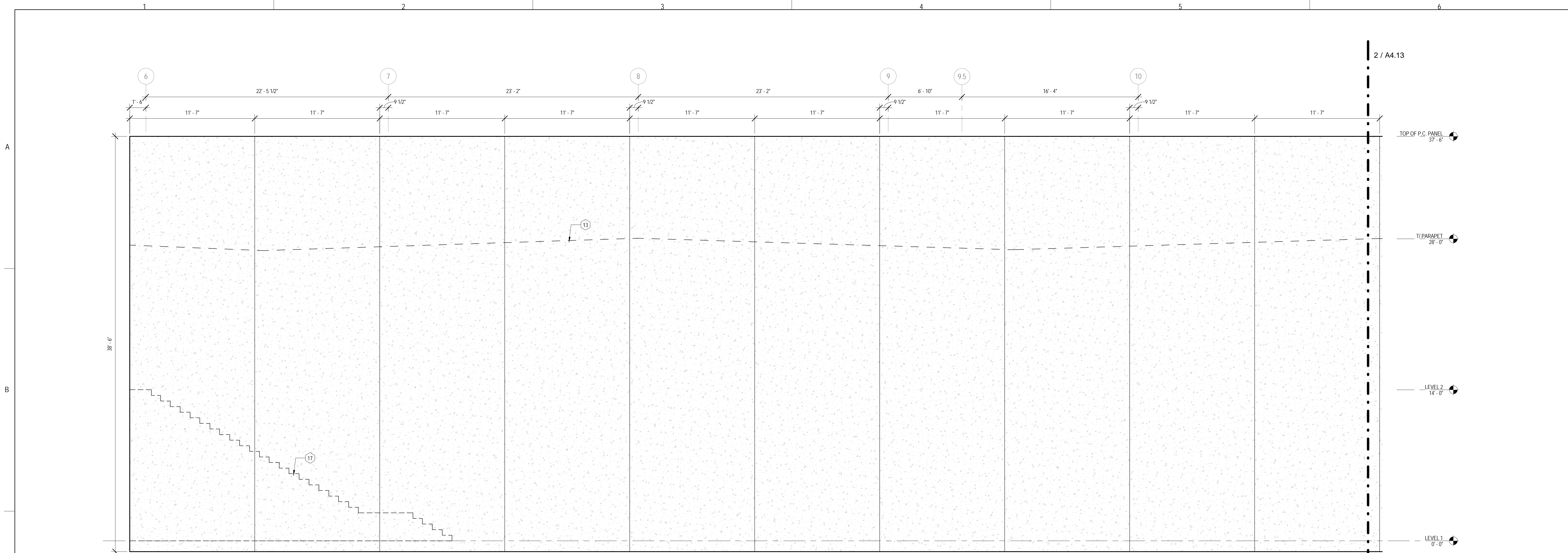
SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

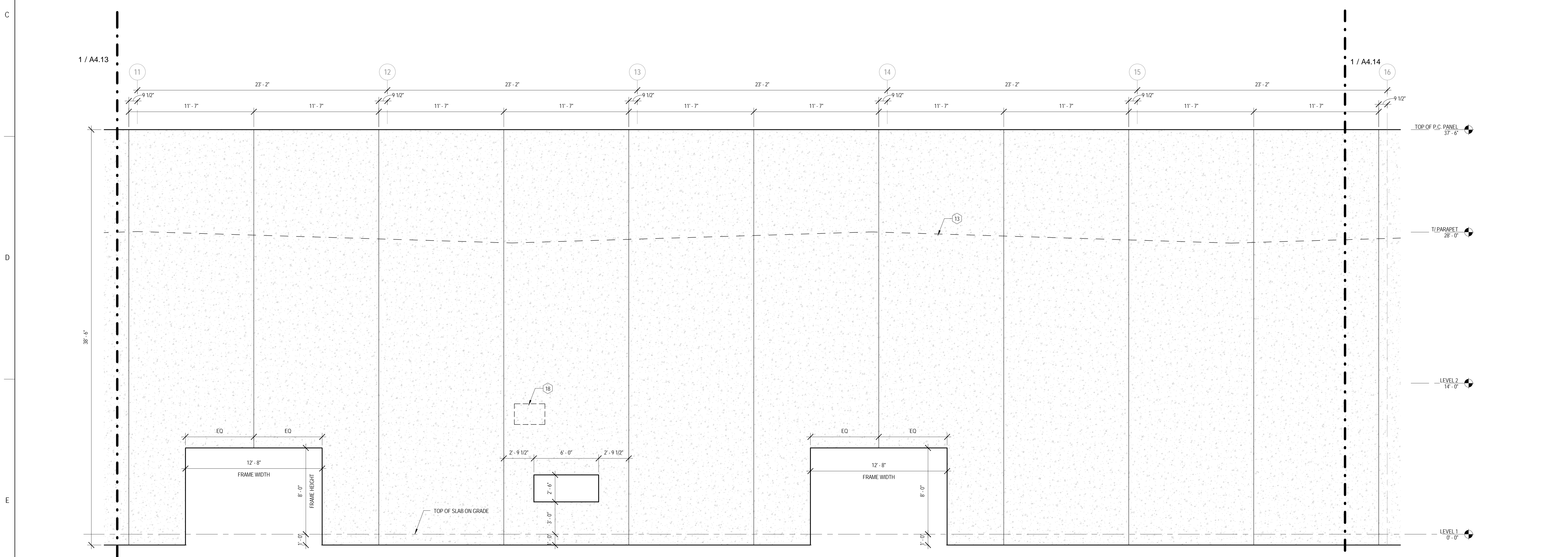
SHEET TITLE:  
**PRECAST PANEL  
 EXTERIOR  
 ELEVATIONS**

SHEET NUMBER:

**A4.13**



**1** PRECAST EXTERIOR ELEVATION - EAST A  
 1/4" = 1'-0"



**2** PRECAST EXTERIOR ELEVATION - EAST B  
 1/4" = 1'-0"









ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

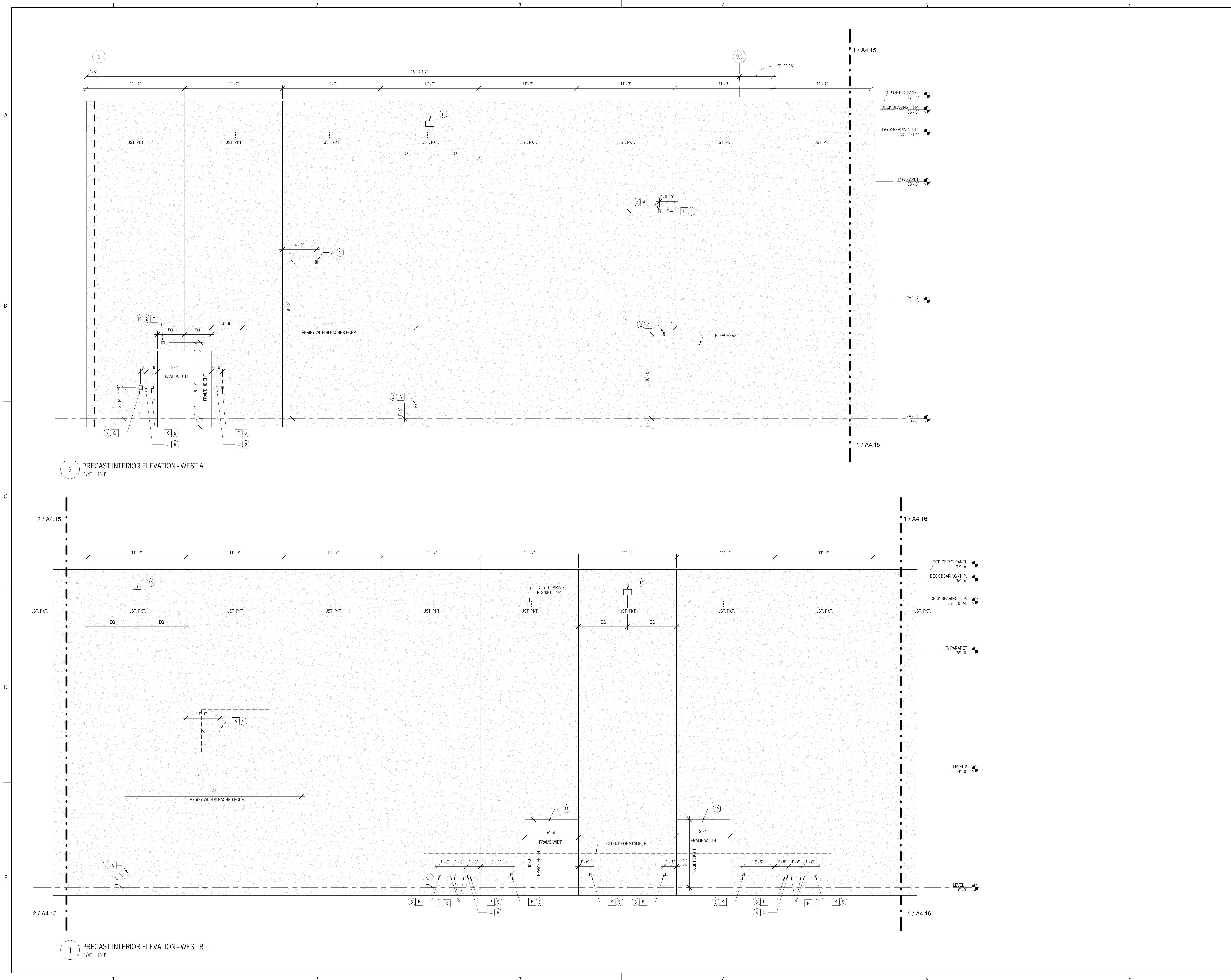
NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**PRECAST PANEL  
 INTERIOR  
 ELEVATIONS**

SHEET NUMBER:

**A4.15**

7/20/2015 10:44:59 AM







ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

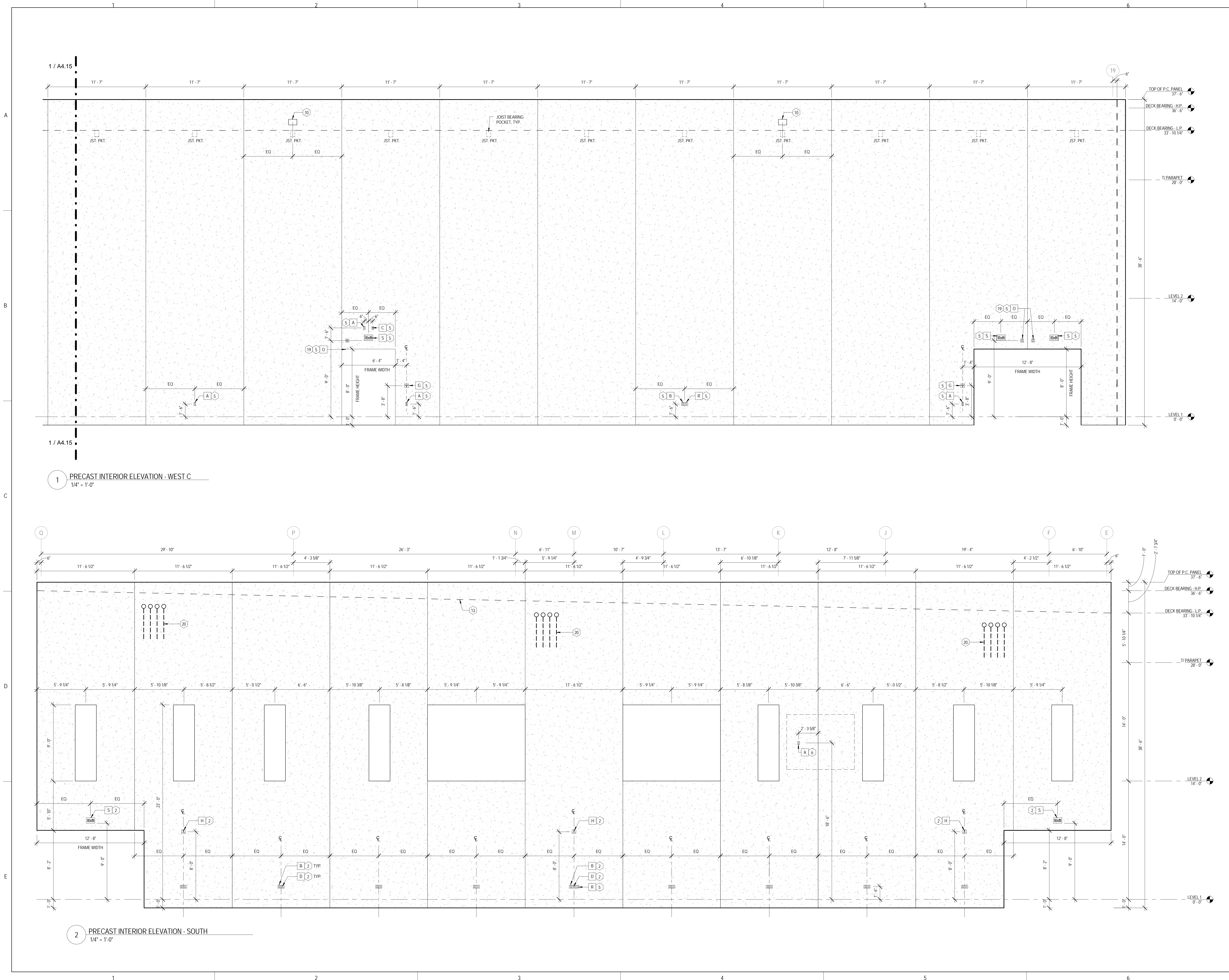
NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**PRECAST PANEL  
 INTERIOR  
 ELEVATIONS**

SHEET NUMBER:

**A4.16**

7/20/2015 10:45:16 AM



1 / A4.15

1 / A4.15

**1** PRECAST INTERIOR ELEVATION - WEST C  
 1/4" = 1'-0"

**2** PRECAST INTERIOR ELEVATION - SOUTH  
 1/4" = 1'-0"





ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

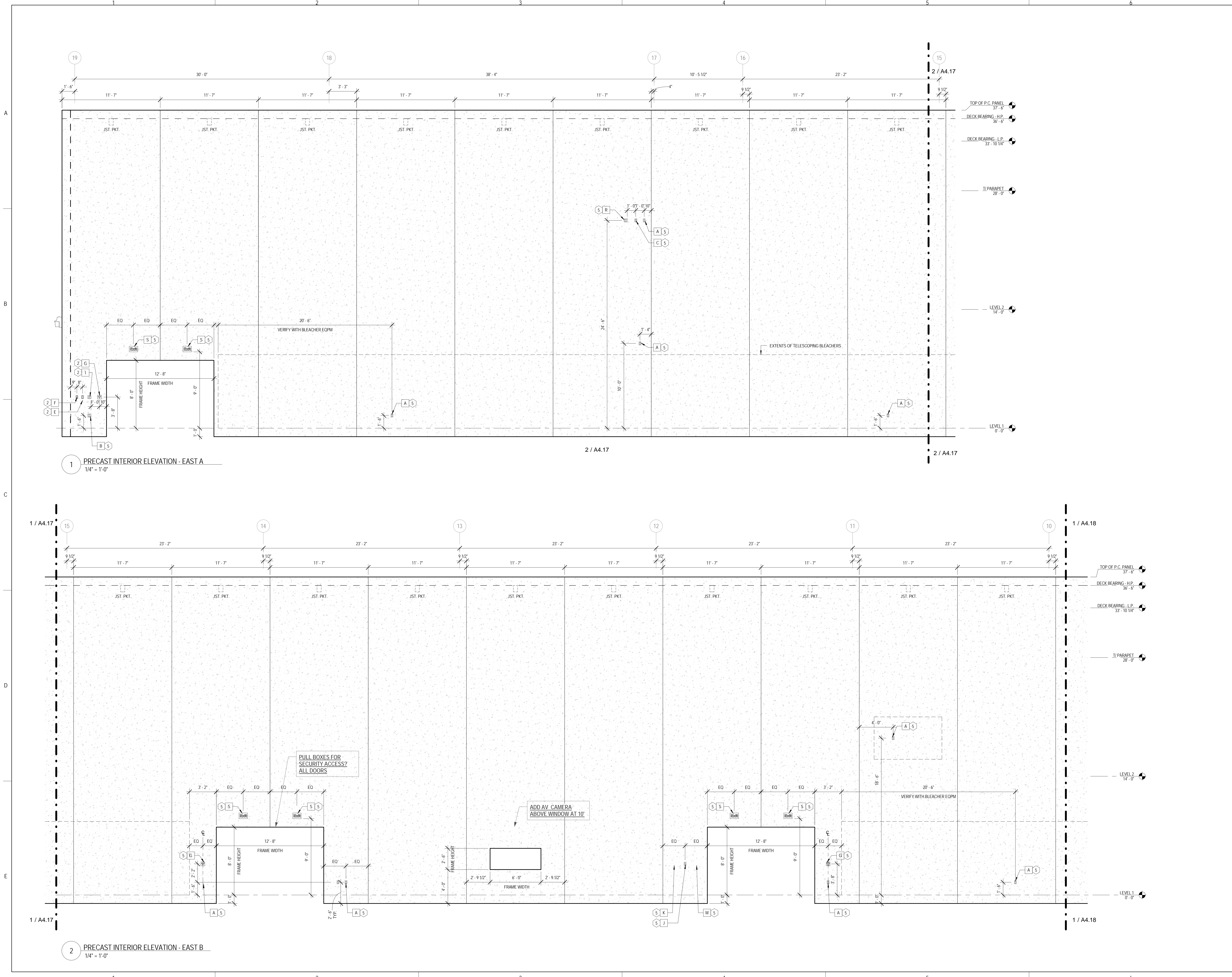
NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**PRECAST PANEL  
 INTERIOR  
 ELEVATIONS**

SHEET NUMBER:

**A4.17**

7/20/2015 10:45:36 AM



**1 PRECAST INTERIOR ELEVATION - EAST A**  
 1/4" = 1'-0"

**2 PRECAST INTERIOR ELEVATION - EAST B**  
 1/4" = 1'-0"





ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

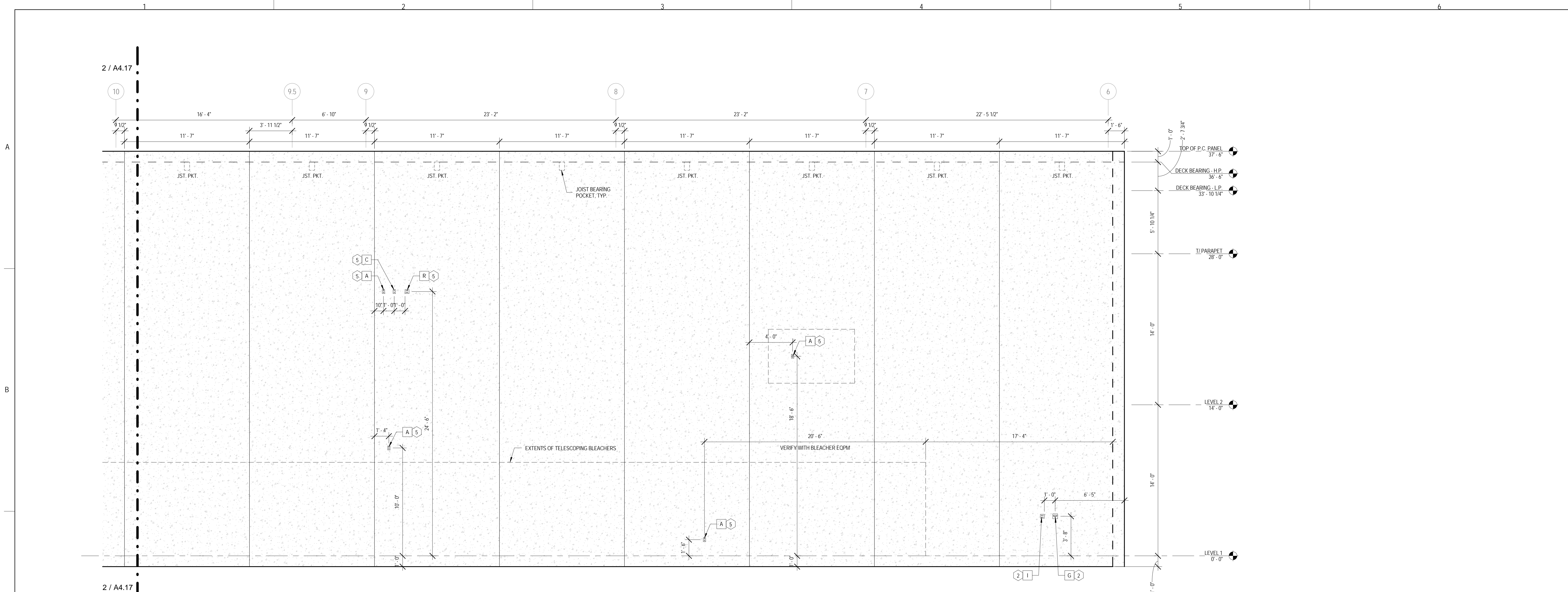
SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

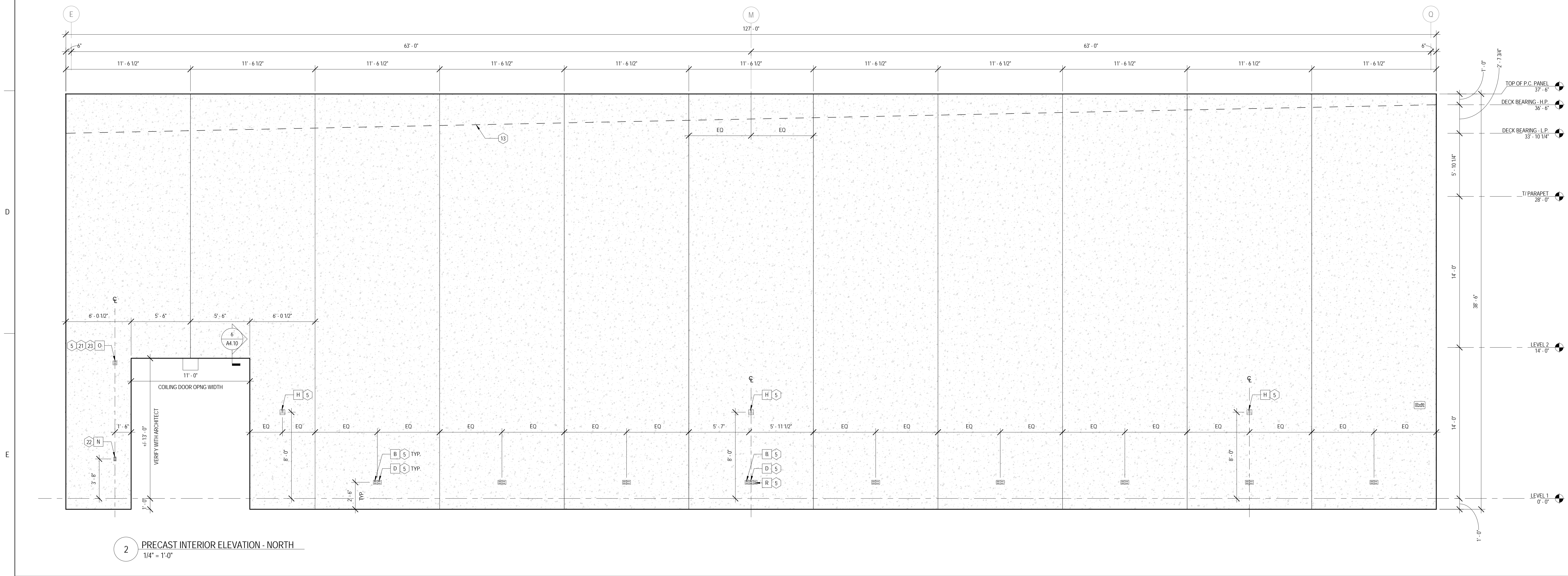
SHEET TITLE:  
**PRECAST PANEL  
 INTERIOR  
 ELEVATIONS**

SHEET NUMBER:

**A4.18**



**1** PRECAST INTERIOR ELEVATION - EAST C  
 1/4" = 1'-0"



**2** PRECAST INTERIOR ELEVATION - NORTH  
 1/4" = 1'-0"



KEY PLAN:

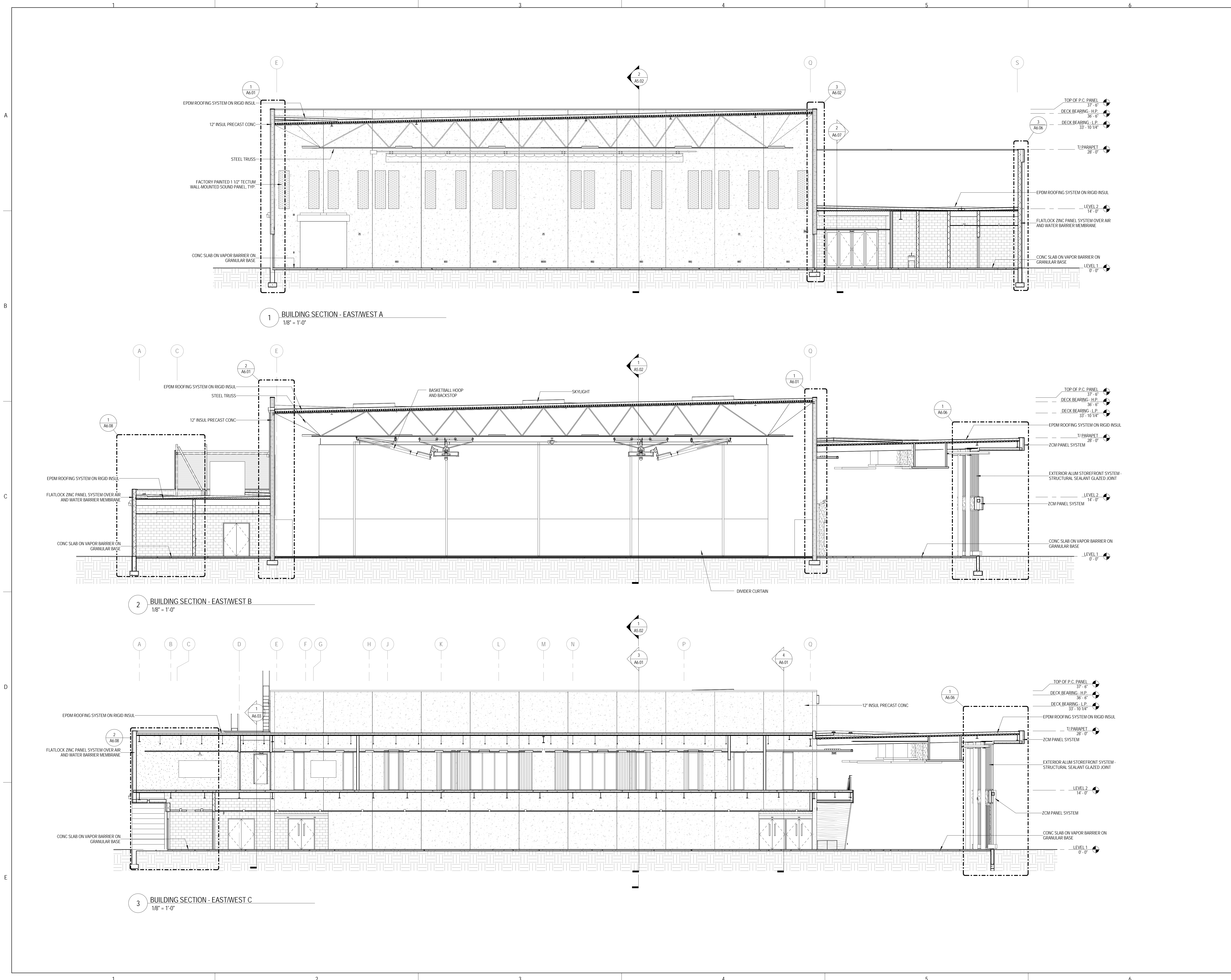
SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**BUILDING SECTIONS**

SHEET NUMBER:

**A5.01**



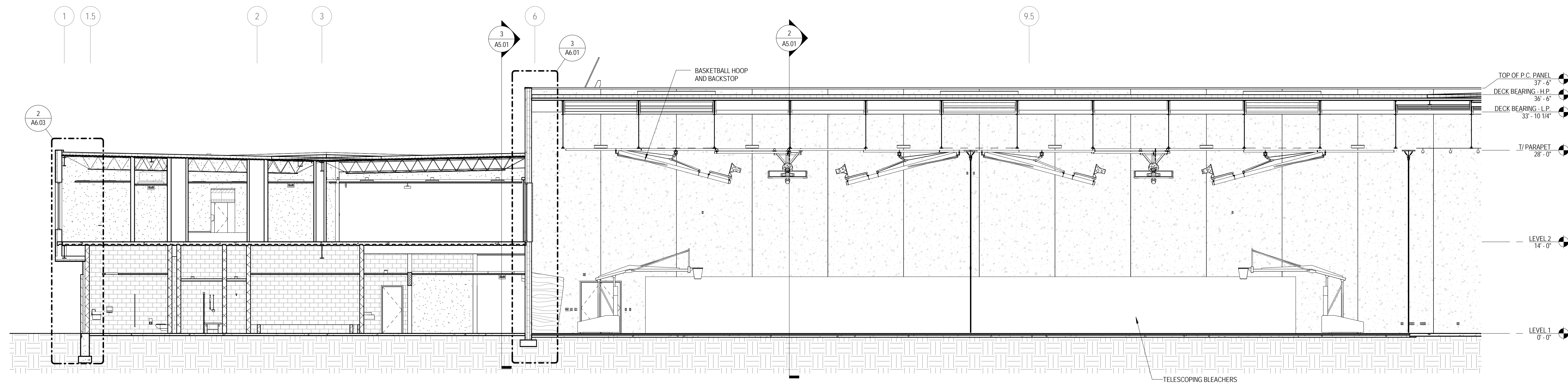


ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

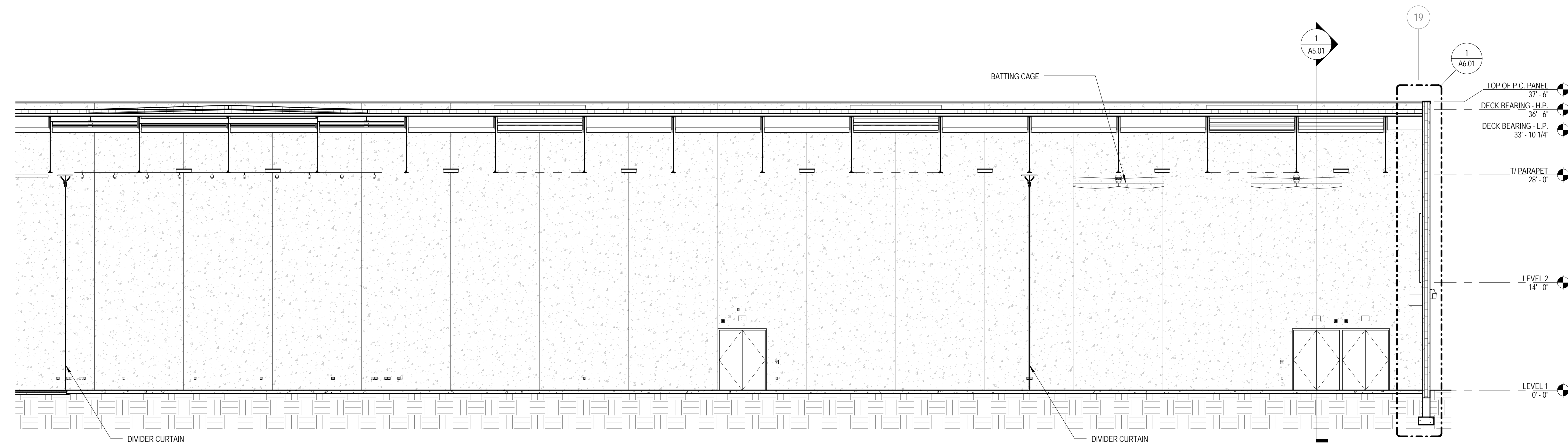
STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



1 BUILDING SECTION - NORTHWEST  
 1/8" = 1'-0"



2 BUILDING SECTION - NORTHWEST, CONT'D  
 1/8" = 1'-0"

KEY PLAN:

SHEET STATUS: 07/17/15  
 ISSUED FOR BID  
 PACKAGE 2

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**BUILDING SECTIONS**

SHEET NUMBER:

**A5.02**





ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

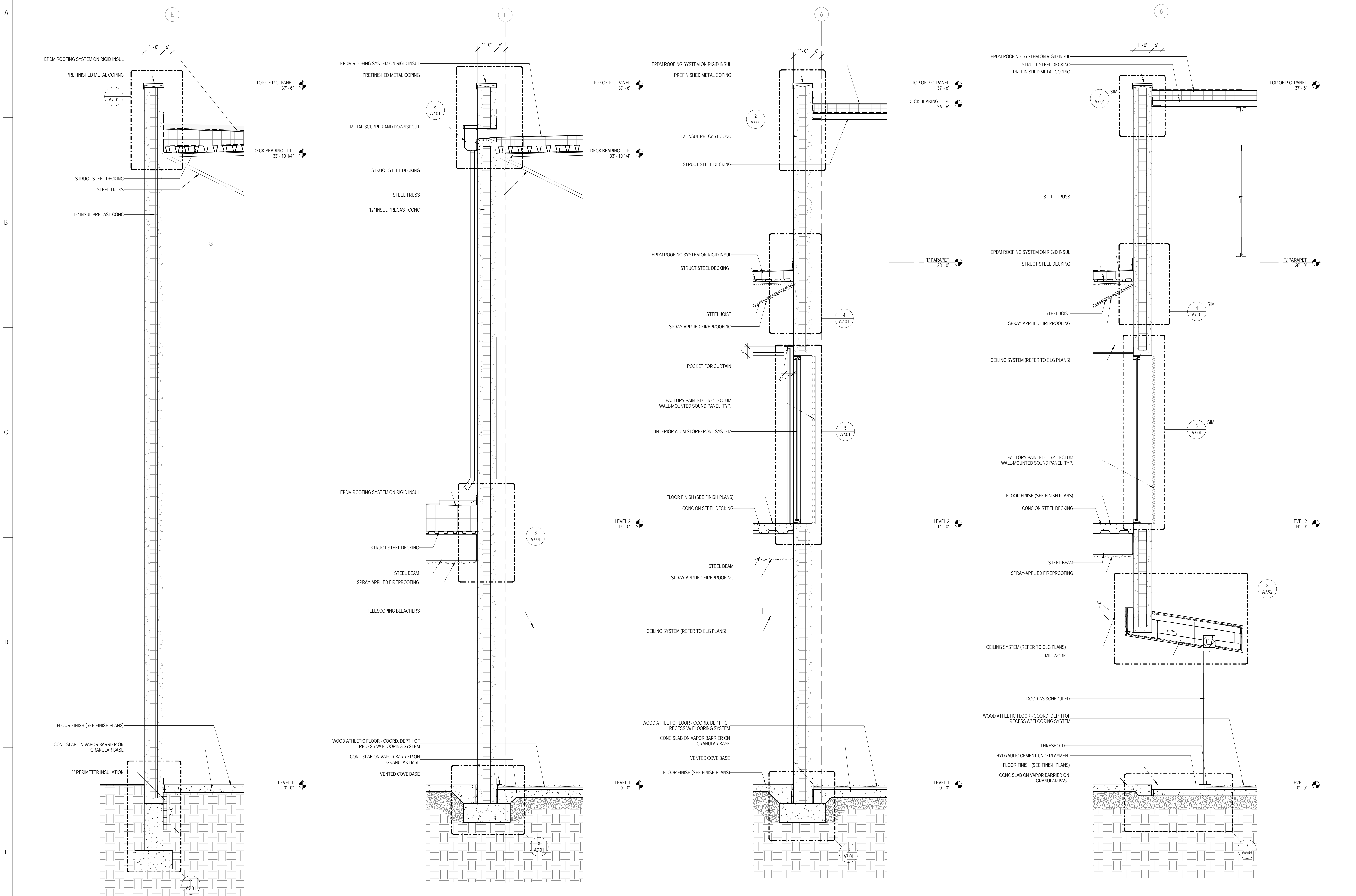
SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**WALL SECTIONS**

SHEET NUMBER:  
**A6.01**

7/20/2015 10:46:09 AM



**1 WALL SECTION**  
 1/2" = 1'-0"

**2 WALL SECTION**  
 1/2" = 1'-0"

**3 WALL SECTION**  
 1/2" = 1'-0"

**4 WALL SECTION**  
 1/2" = 1'-0"



ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

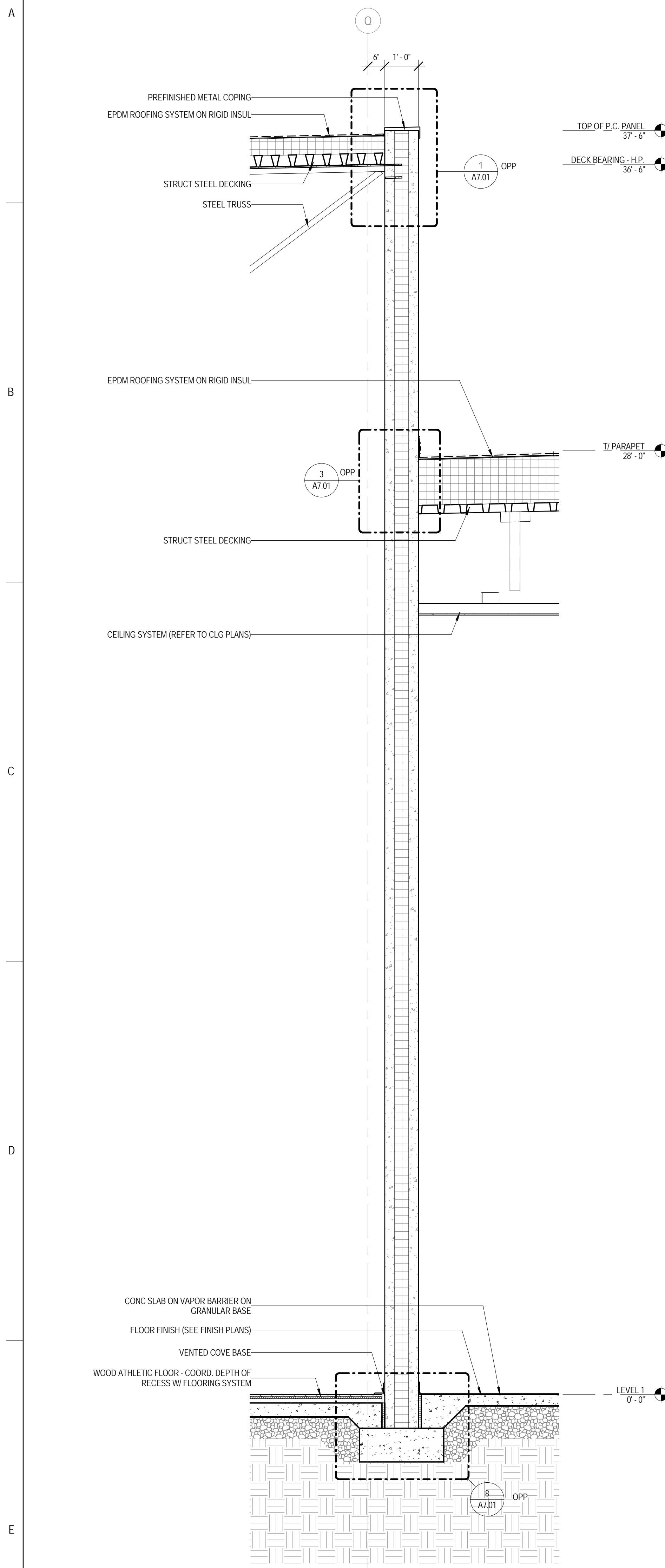
NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**WALL SECTIONS**

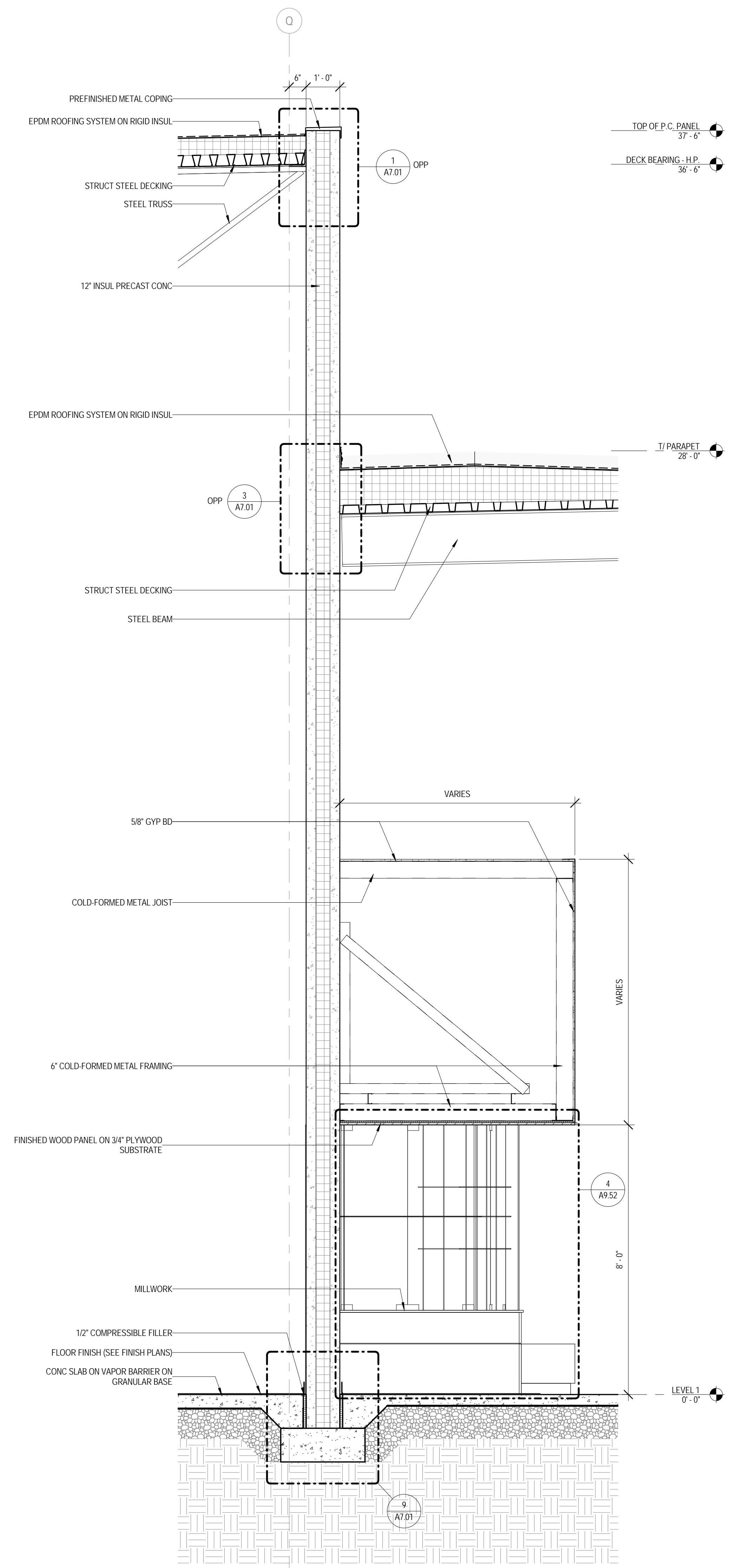
SHEET NUMBER:

**A6.02**

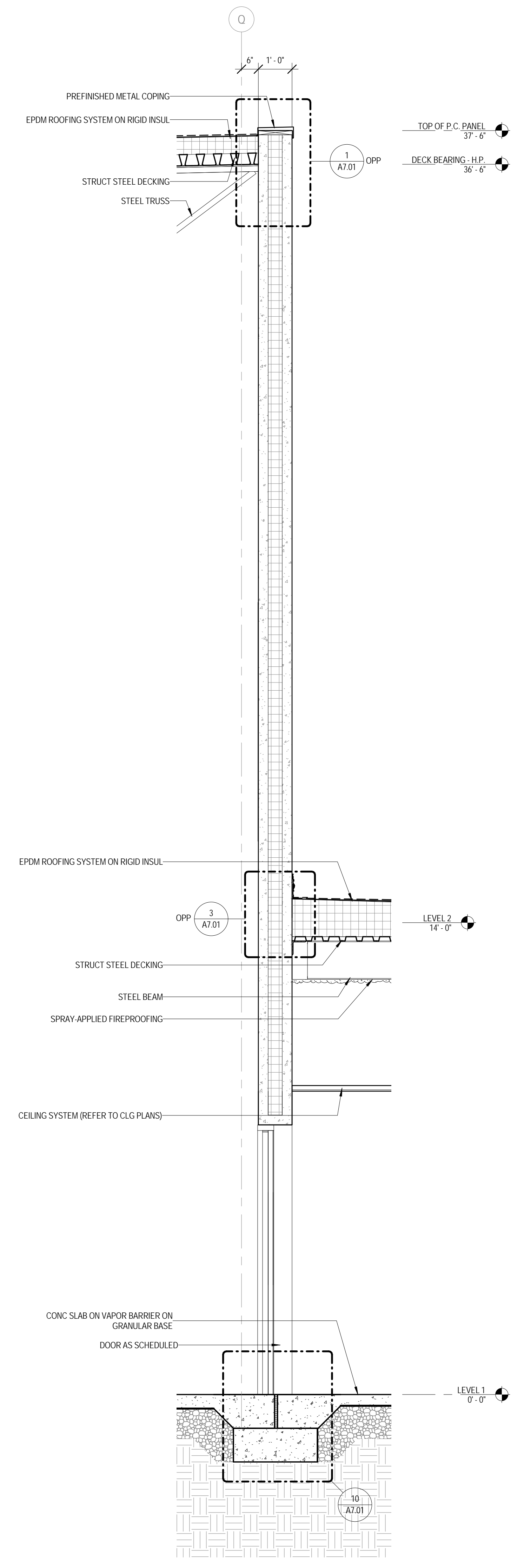
7/20/2015 10:46:15 AM



1 WALL SECTION  
 1/2" = 1'-0"



2 WALL SECTION  
 1/2" = 1'-0"



3 WALL SECTION  
 1/2" = 1'-0"



**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

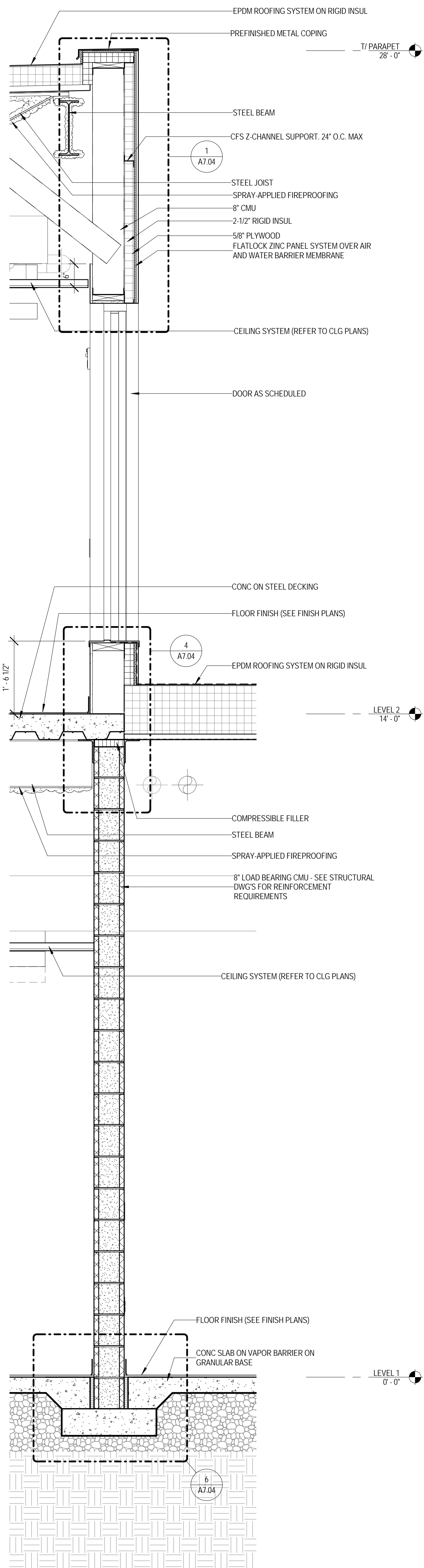
SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

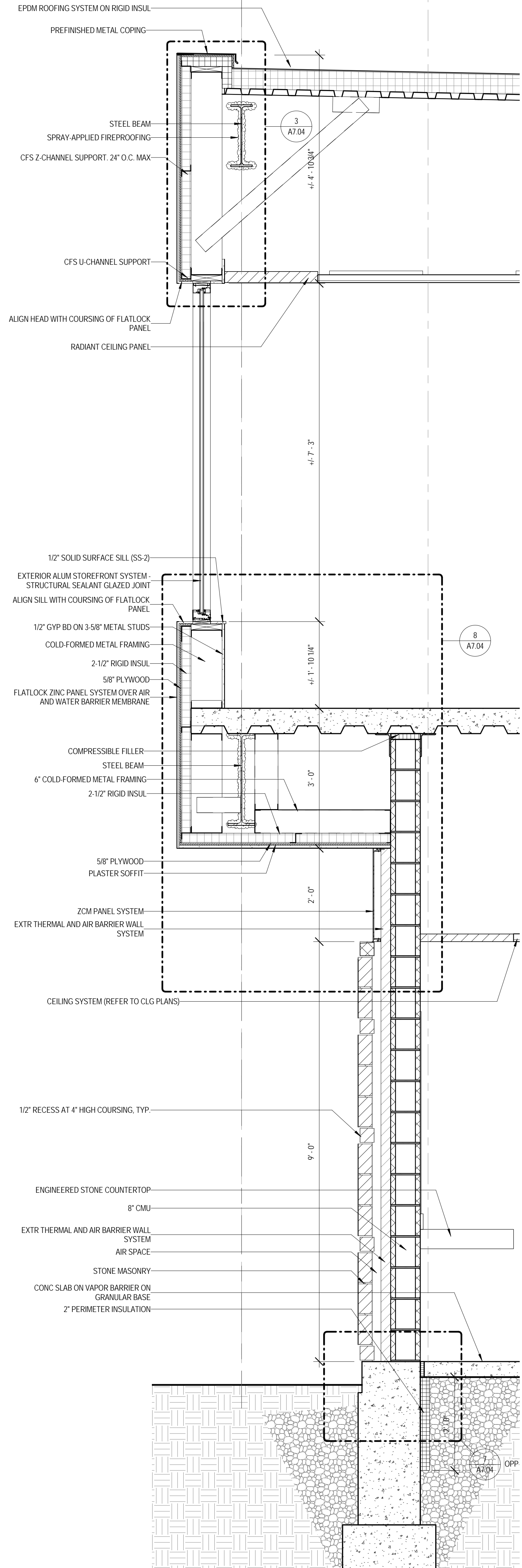
SHEET TITLE:  
**WALL SECTIONS**

SHEET NUMBER:

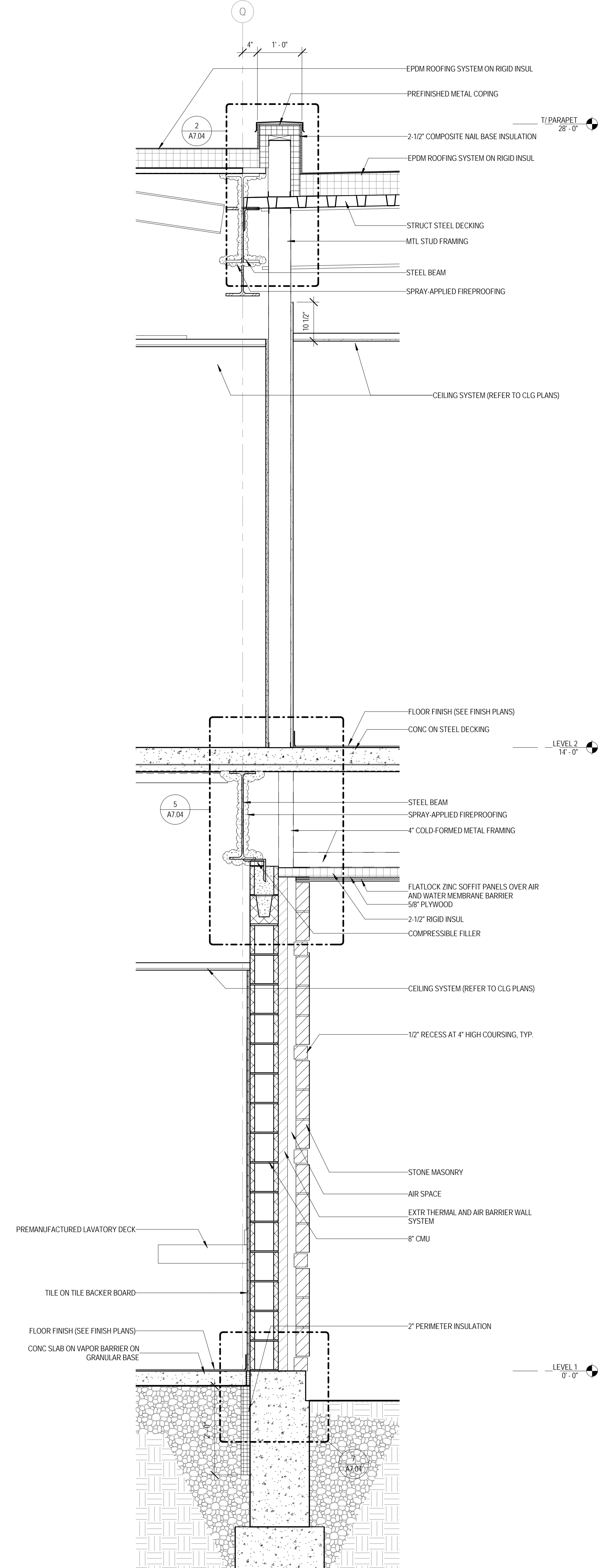
**A6.03**



1 WALL SECTION  
 3/4" = 1'-0"



2 WALL SECTION  
 3/4" = 1'-0"



3 WALL SECTION  
 3/4" = 1'-0"



ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

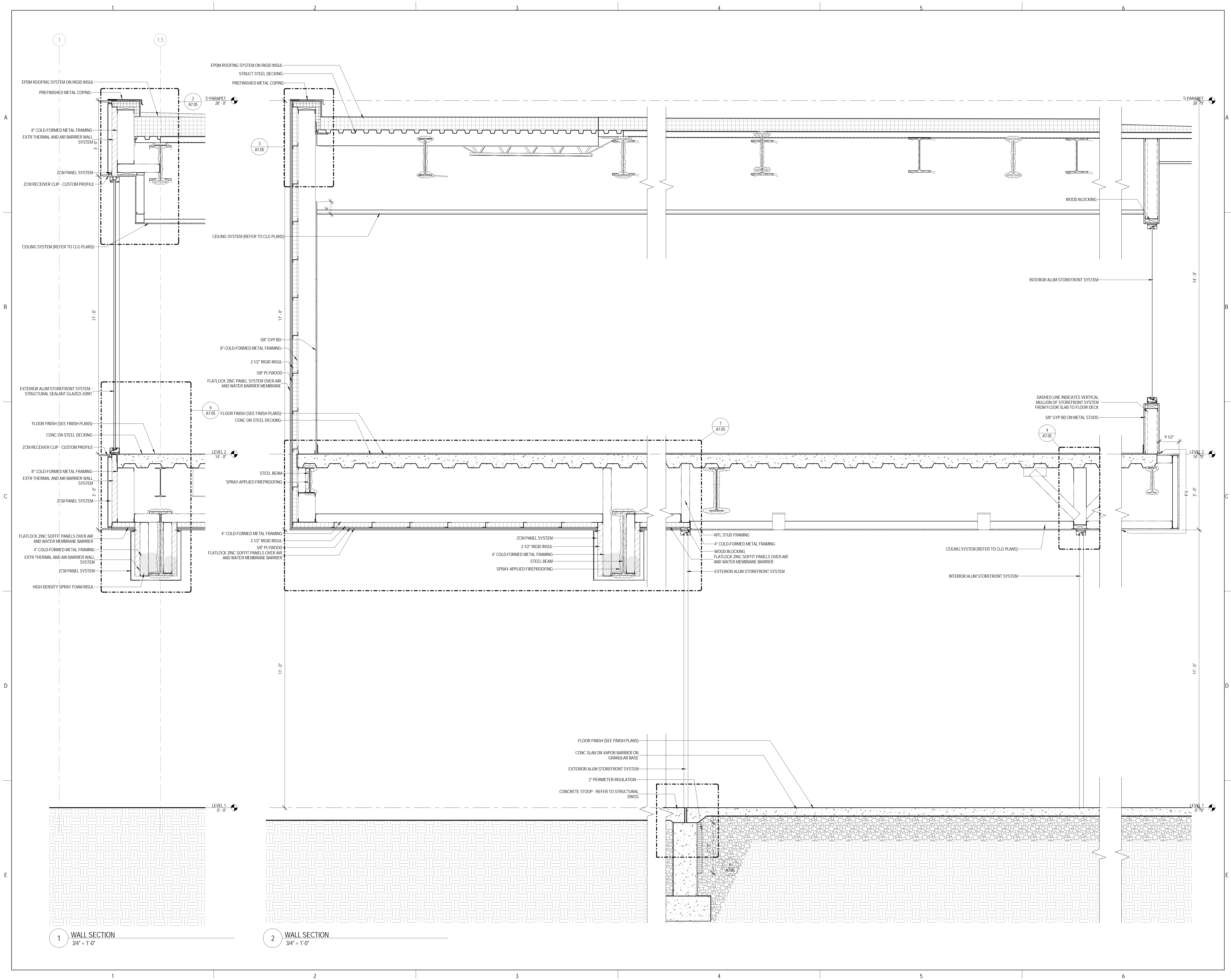
KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**WALL SECTIONS**

SHEET NUMBER:  
**A6.04**



1 WALL SECTION  
 3/4" = 1'-0"

2 WALL SECTION  
 3/4" = 1'-0"





ARCHITECT OF RECORD  
**DEMIONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

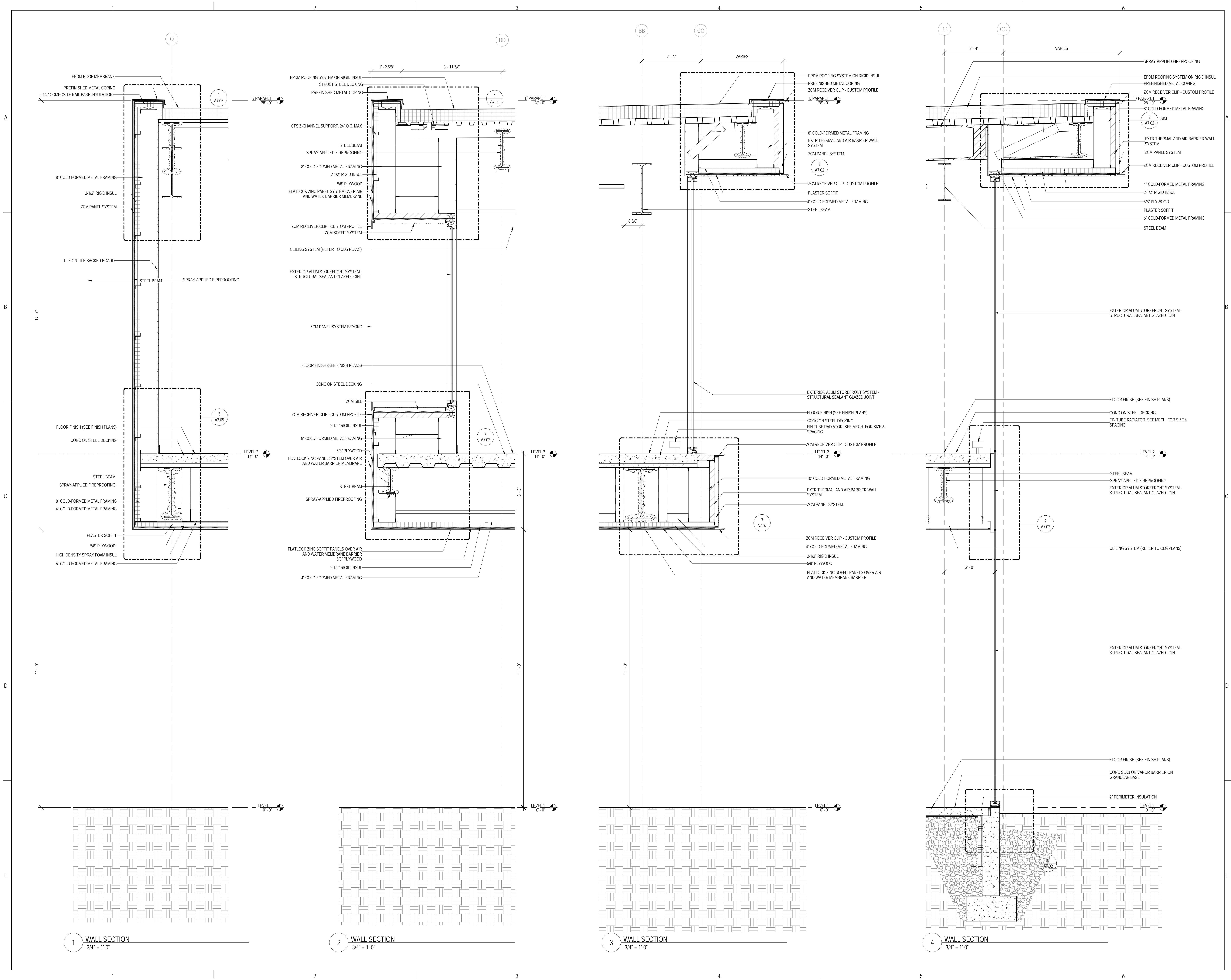
NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**WALL SECTIONS**

SHEET NUMBER:

**A6.05**

7/20/2015 10:46:35 AM



**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

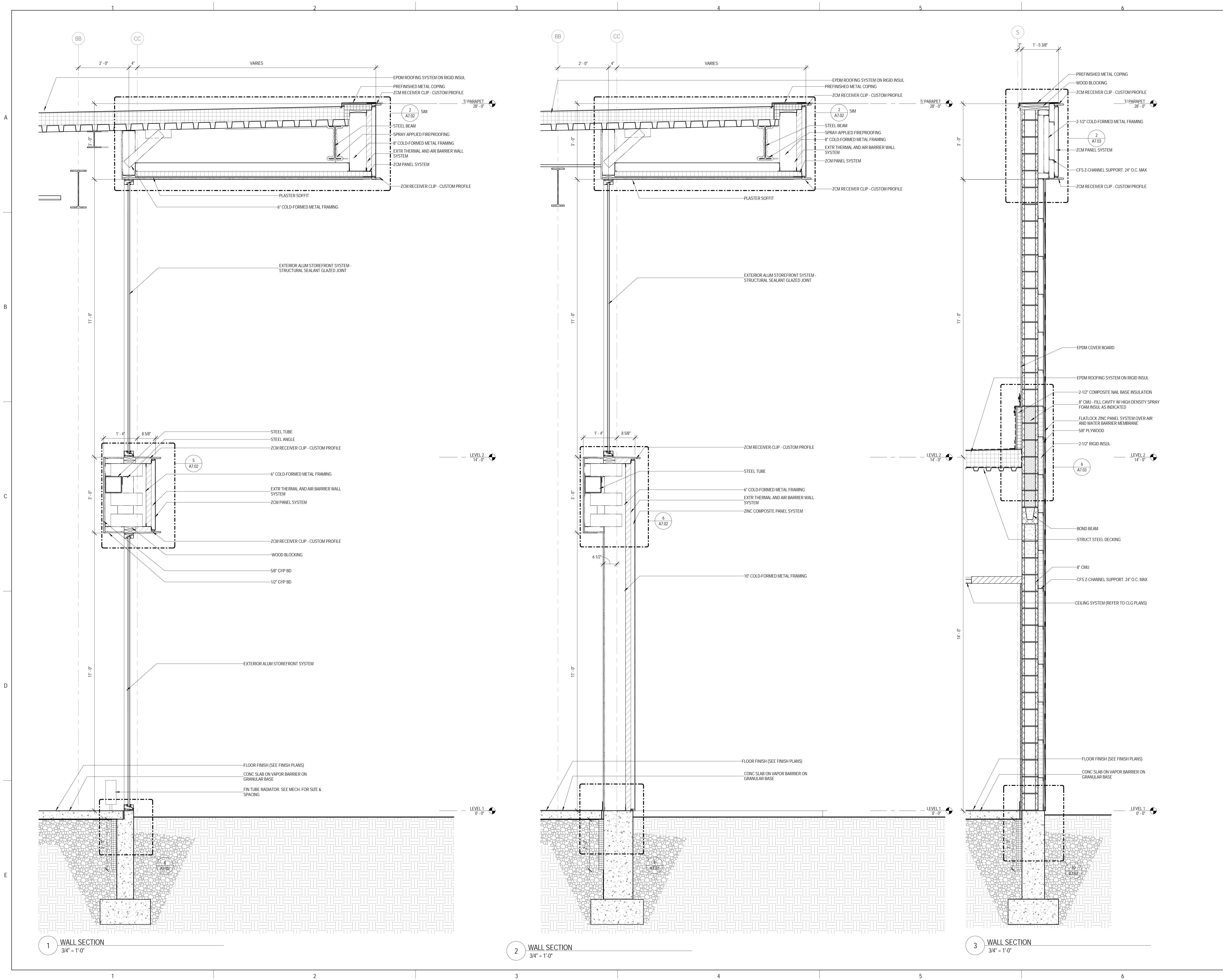
SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**WALL SECTIONS**

SHEET NUMBER:

**A6.06**







ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

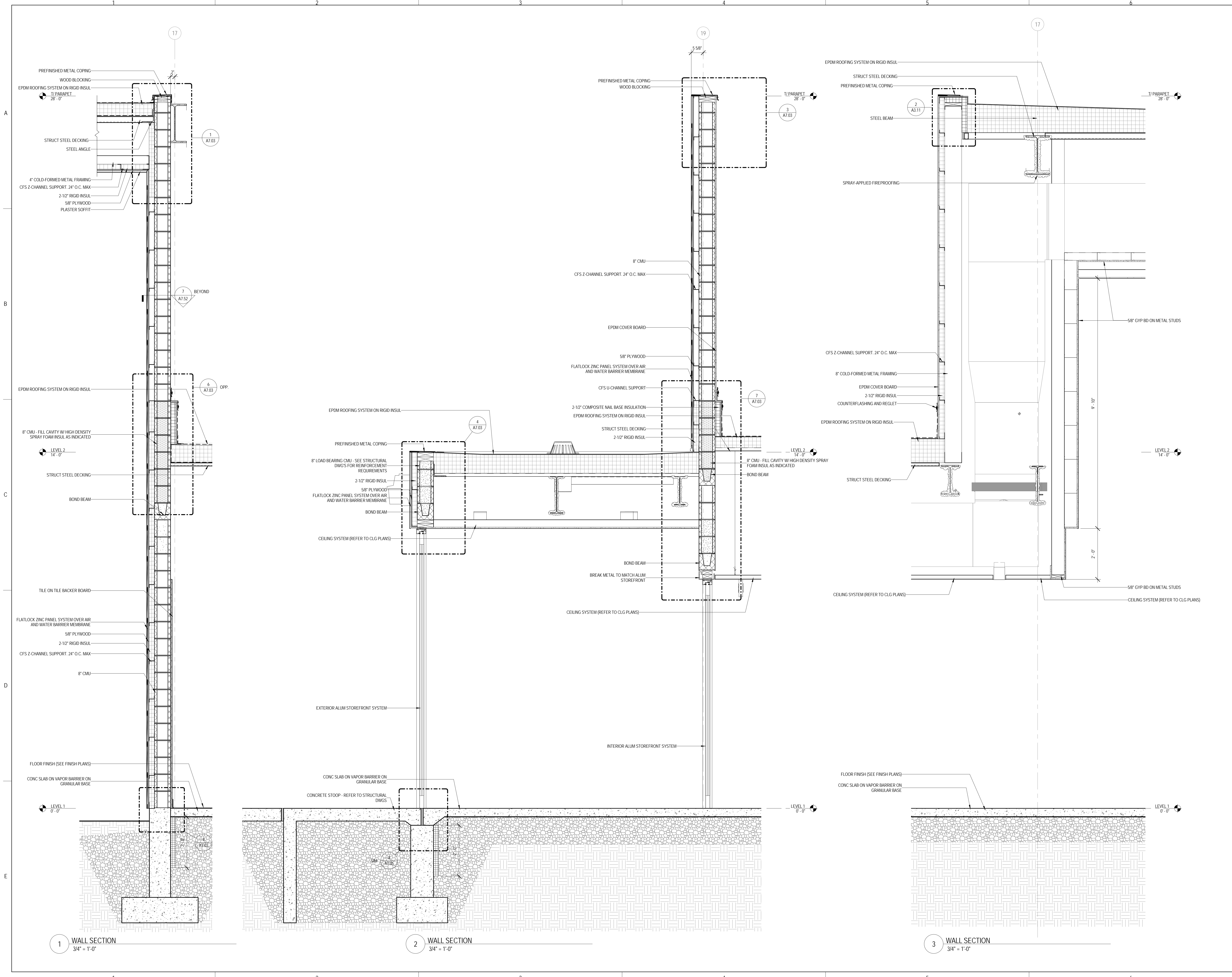
SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**WALL SECTIONS**

SHEET NUMBER:

**A6.07**



1 WALL SECTION  
 3/4" = 1'-0"

2 WALL SECTION  
 3/4" = 1'-0"

3 WALL SECTION  
 3/4" = 1'-0"



ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

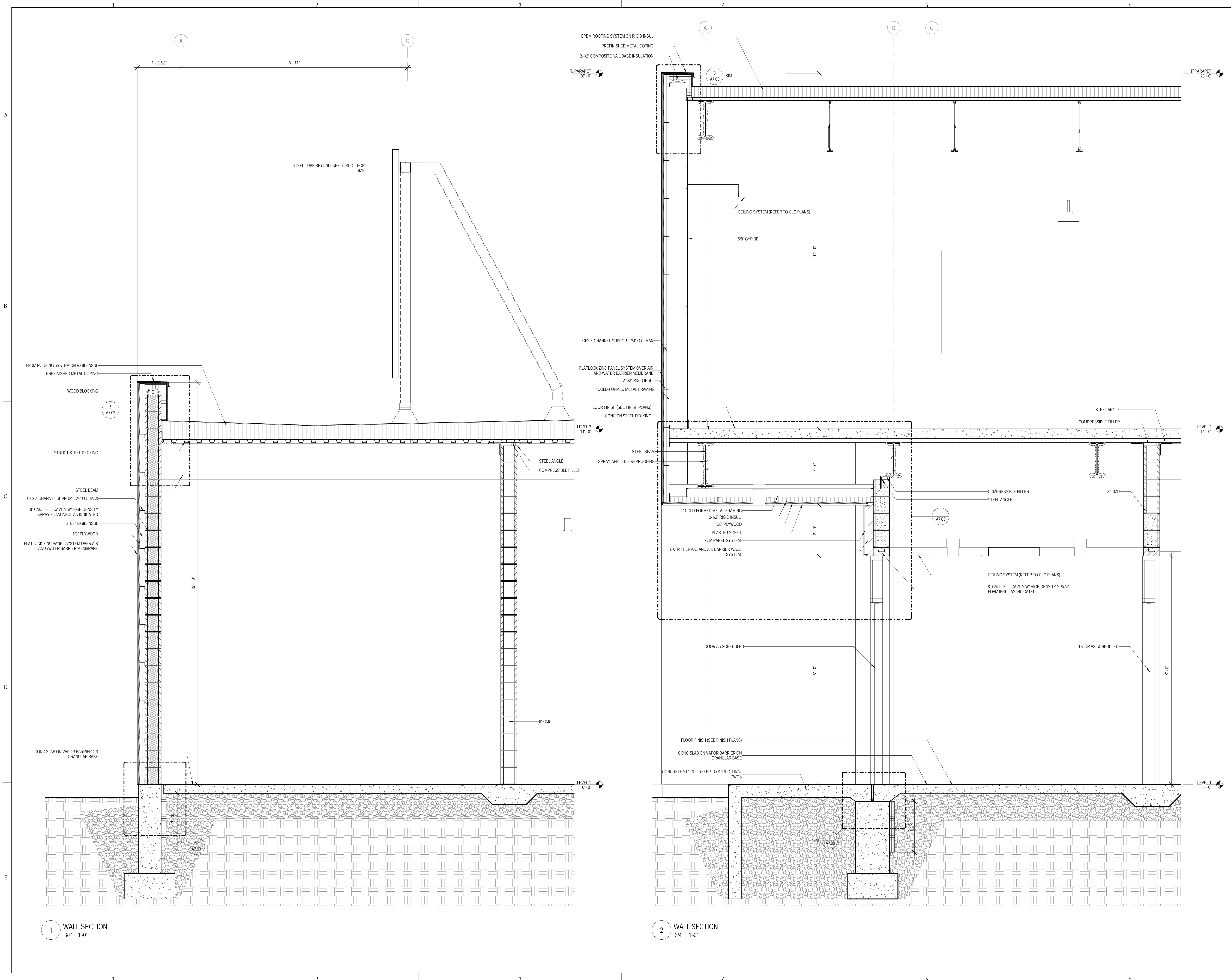
SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**WALL SECTIONS**

SHEET NUMBER:

**A6.08**





KEY PLAN:

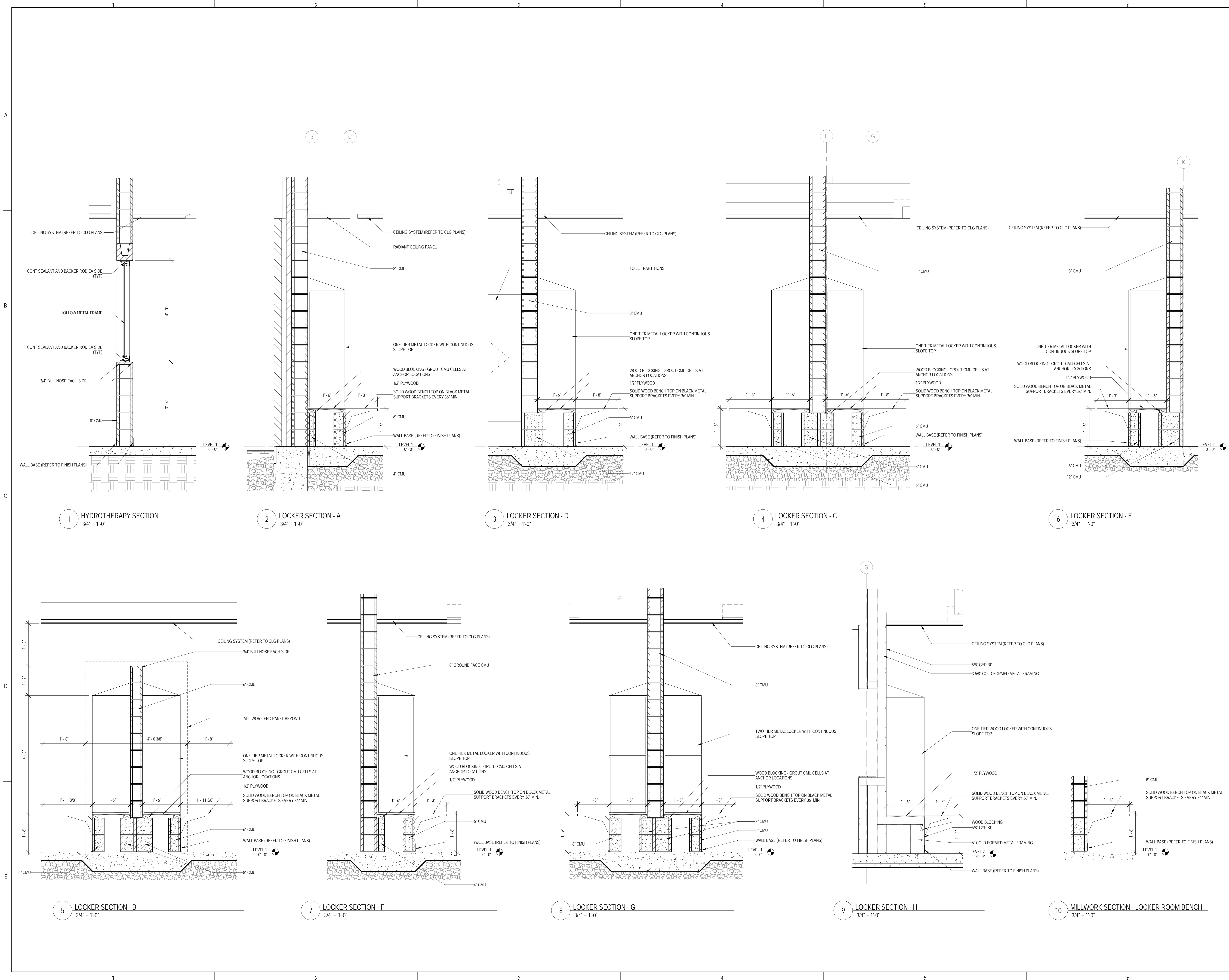
SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**INTERIOR WALL  
 SECTIONS**

SHEET NUMBER:

**A6.50**





ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

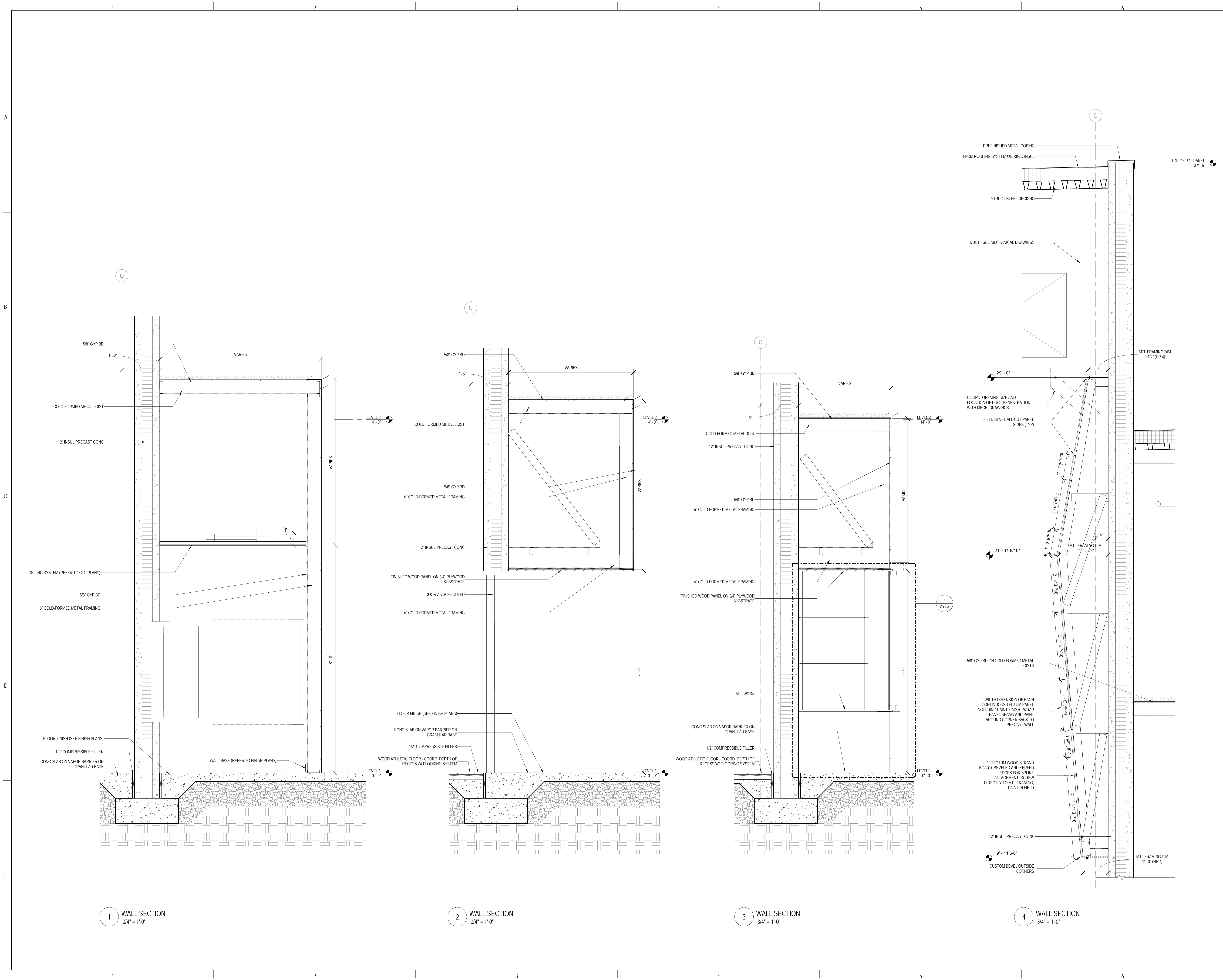
KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**INTERIOR WALL  
 SECTIONS**

SHEET NUMBER:  
**A6.51**



**1 WALL SECTION**  
 3/4" = 1'-0"

**2 WALL SECTION**  
 3/4" = 1'-0"

**3 WALL SECTION**  
 3/4" = 1'-0"

**4 WALL SECTION**  
 3/4" = 1'-0"



**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

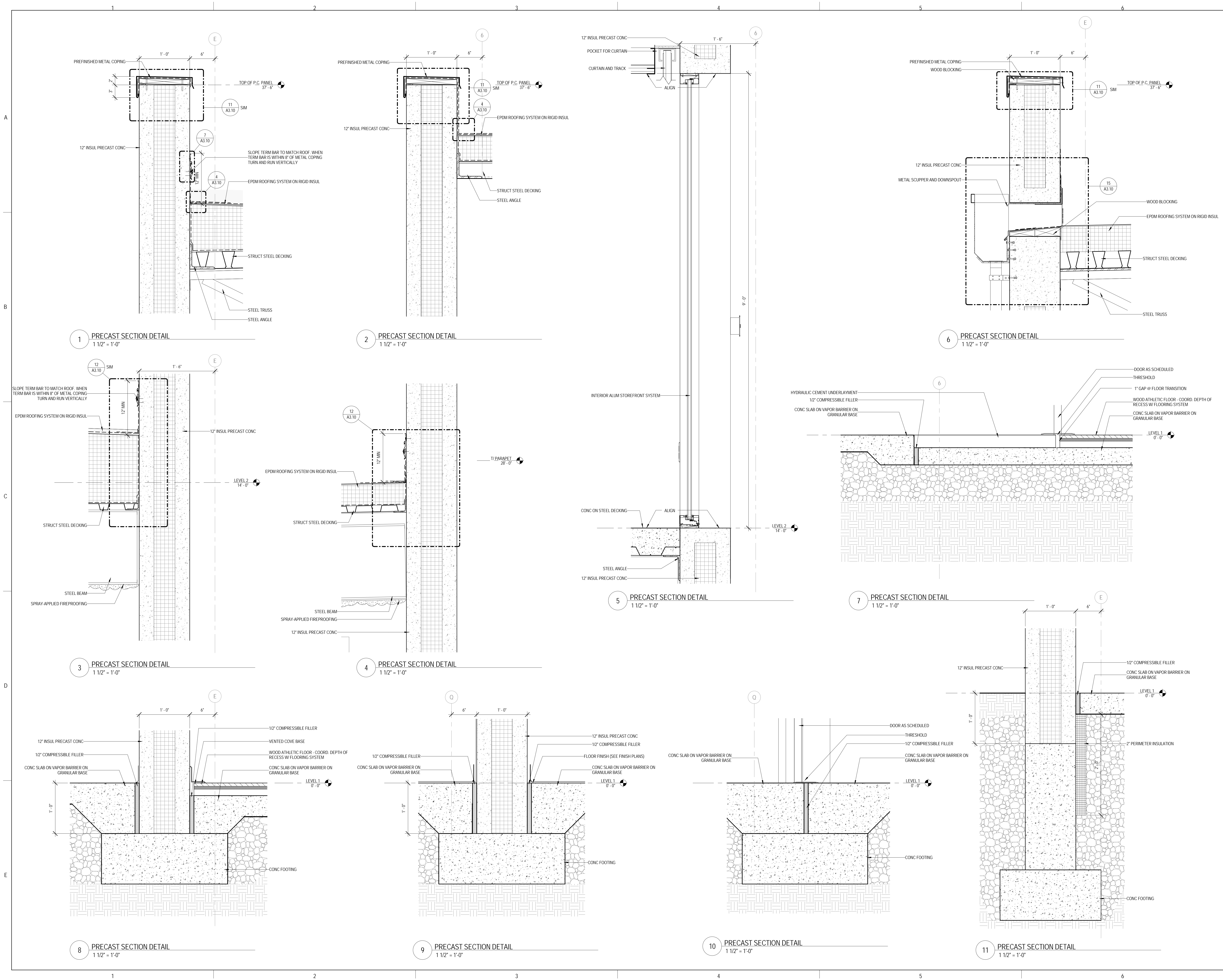
SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION	DATE

SHEET TITLE:  
**SECTION DETAILS**

SHEET NUMBER:

**A7.01**





ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

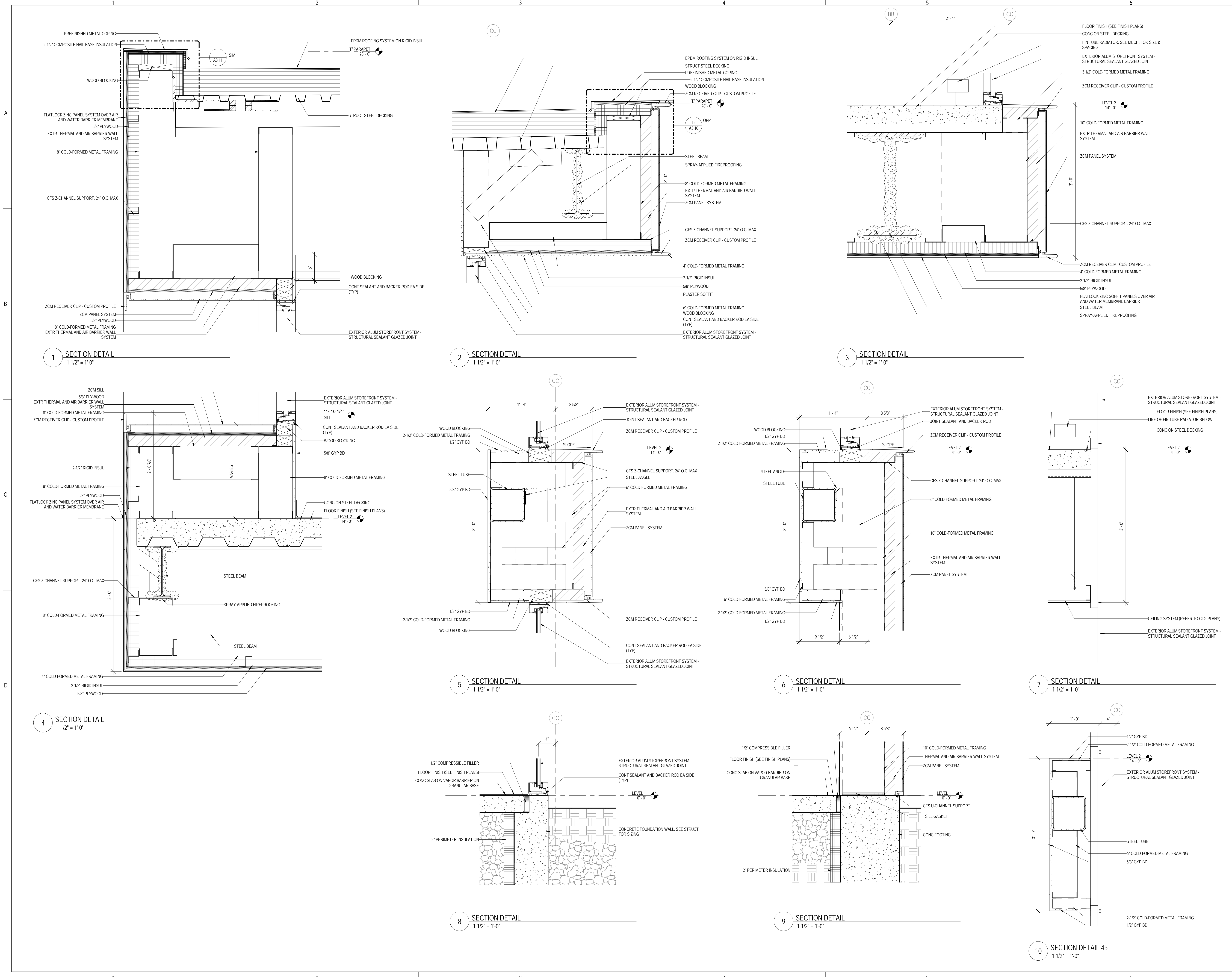
NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**SECTION DETAILS**

SHEET NUMBER:

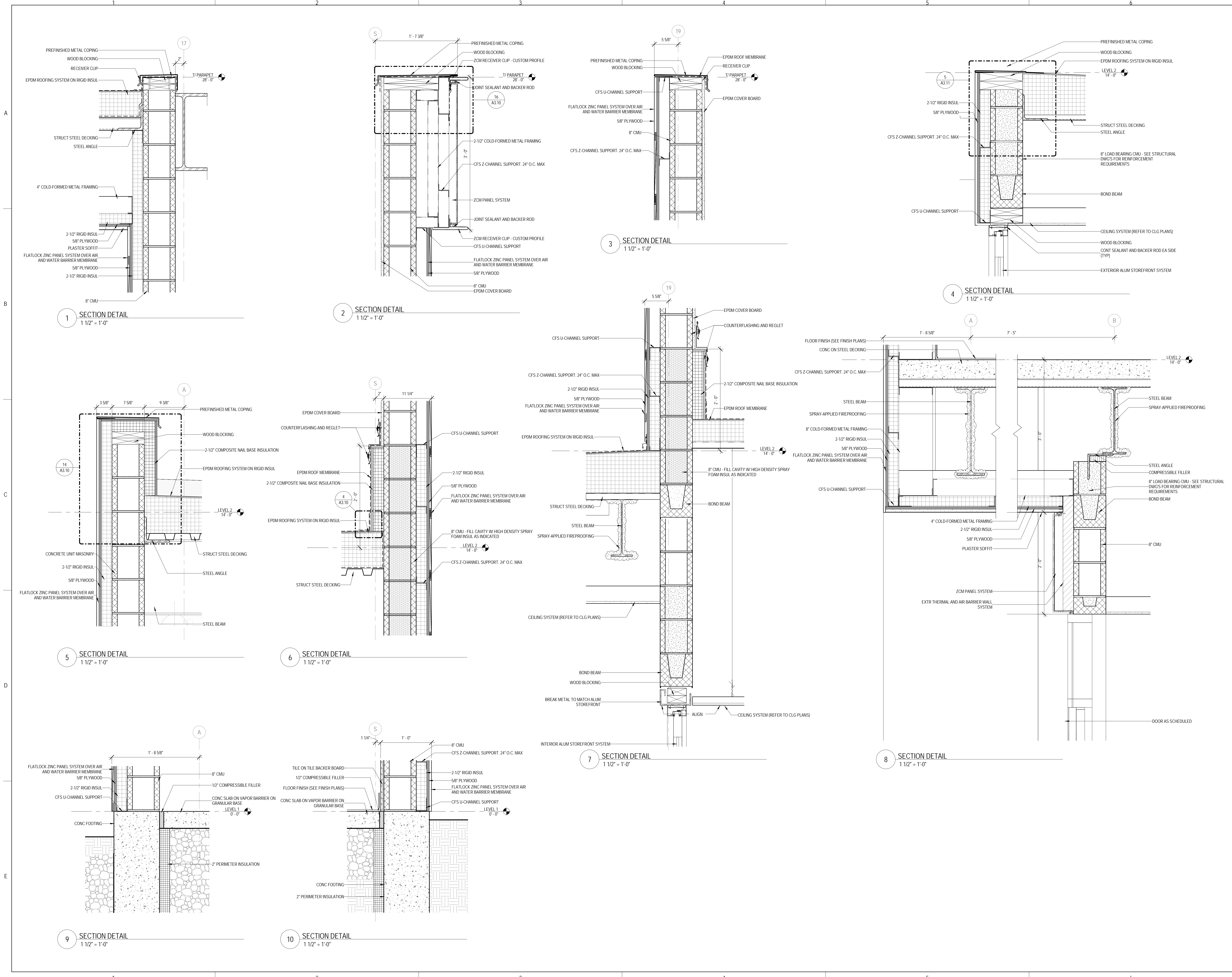
**A7.02**

7/20/2015 10:47:29 AM





NO.	DESCRIPTION:	DATE:





ARCHITECT OF RECORD  
**DEMIONA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

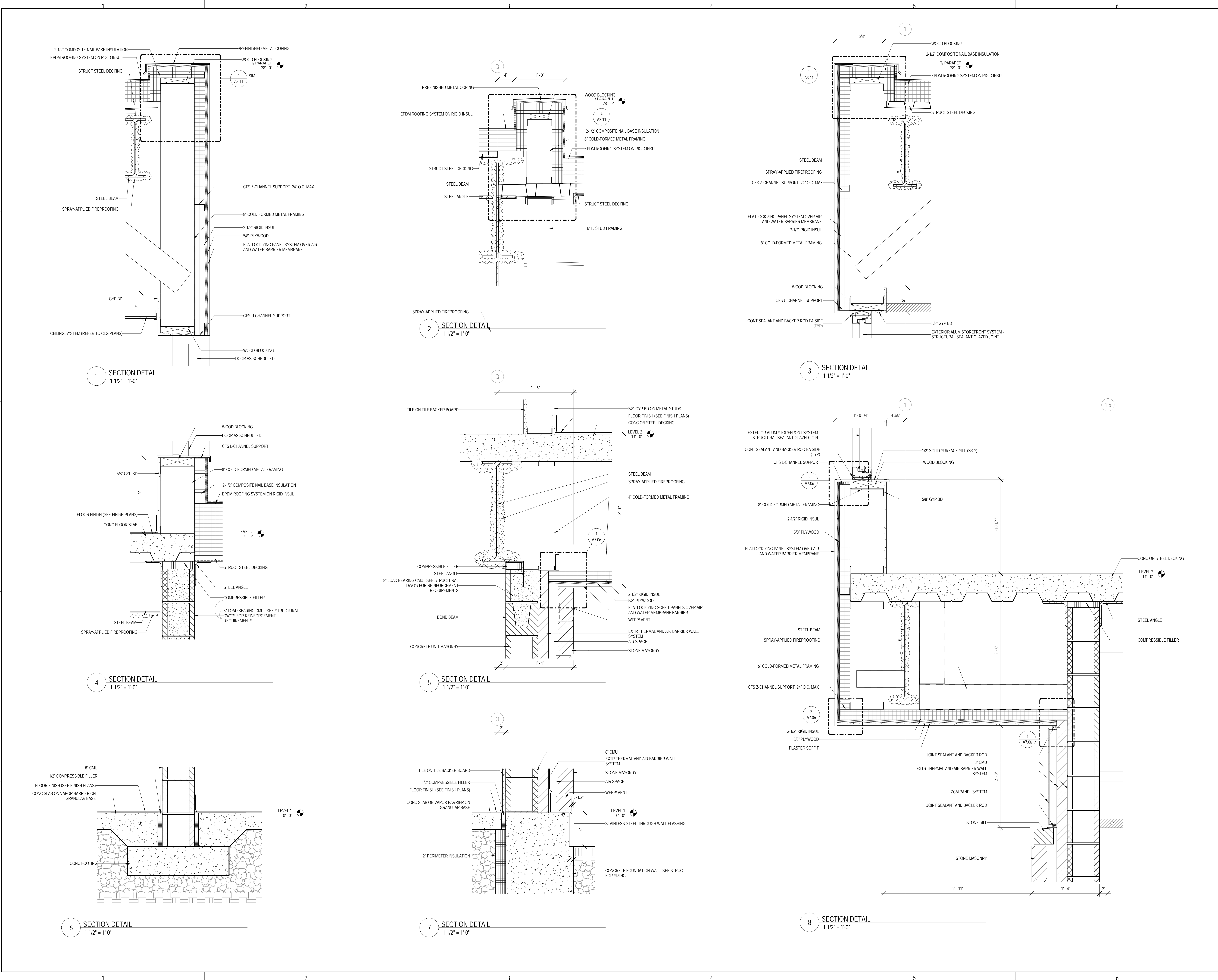
NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**SECTION DETAILS**

SHEET NUMBER:

**A7.04**

7/20/2015 10:47:44 AM





KEY PLAN:

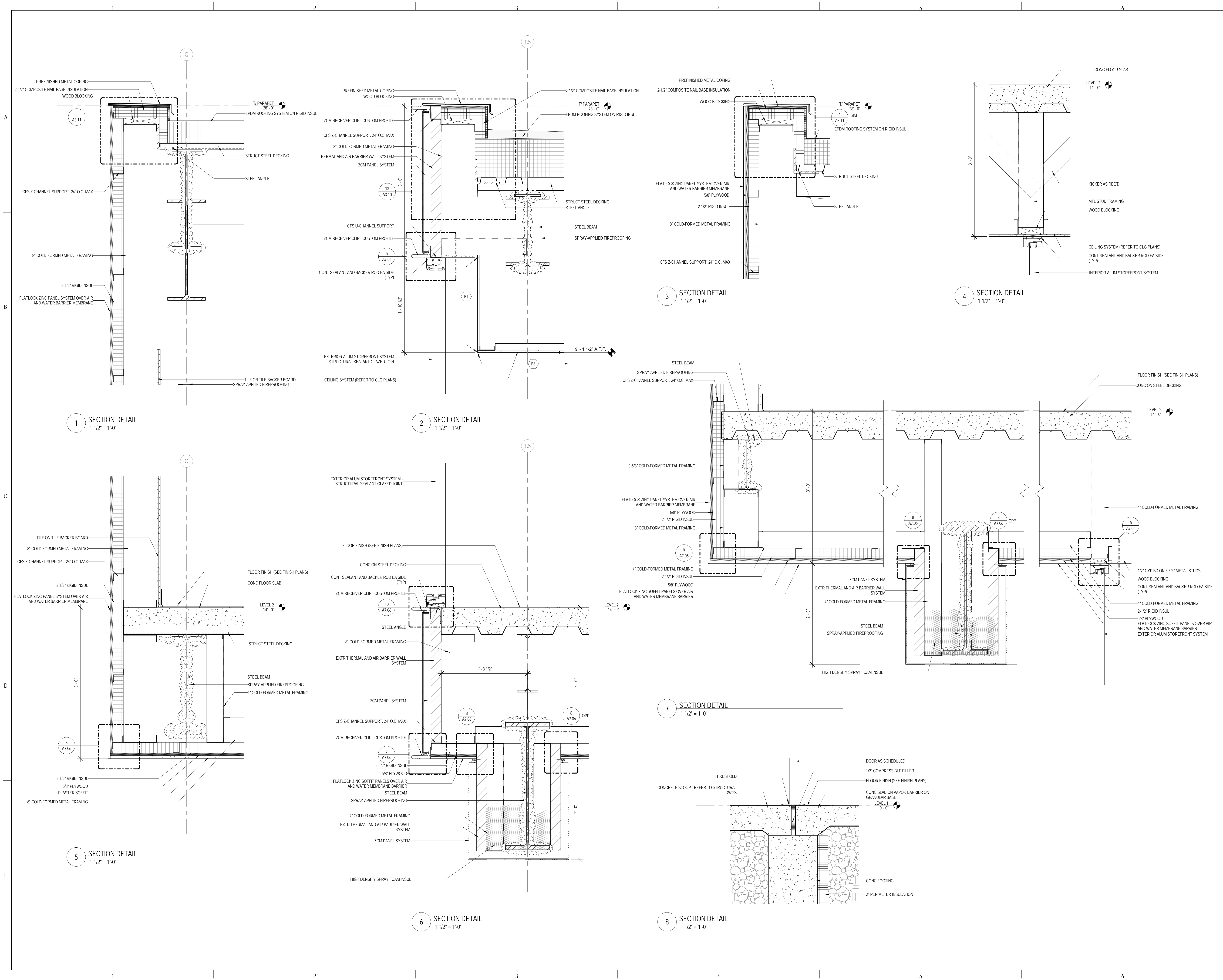
SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**SECTION DETAILS**

SHEET NUMBER:

**A7.05**



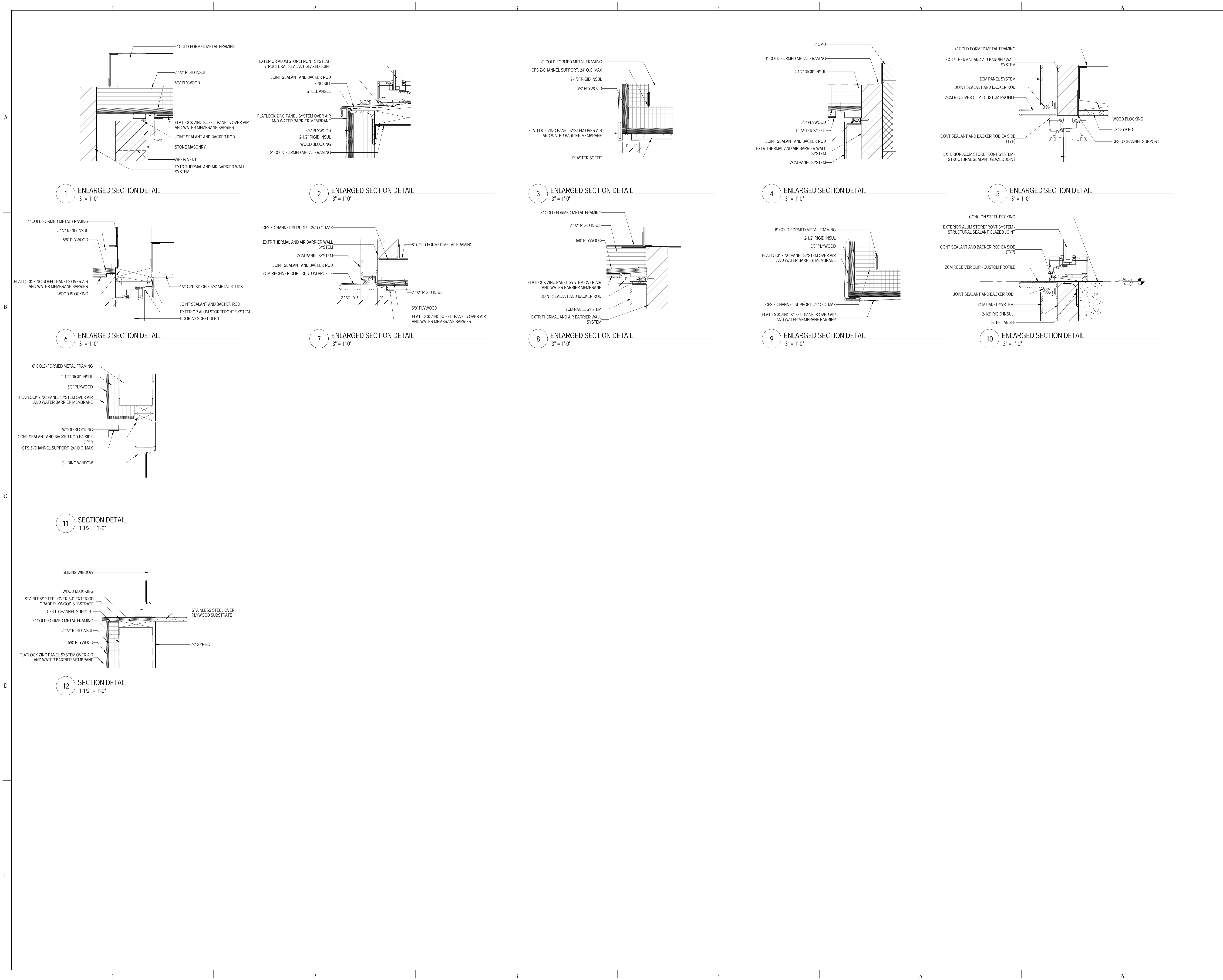
KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**SECTION DETAILS**

SHEET NUMBER:  
**A7.06**



**1 ENLARGED SECTION DETAIL**  
 3" = 1'-0"

**2 ENLARGED SECTION DETAIL**  
 3" = 1'-0"

**3 ENLARGED SECTION DETAIL**  
 3" = 1'-0"

**4 ENLARGED SECTION DETAIL**  
 3" = 1'-0"

**5 ENLARGED SECTION DETAIL**  
 3" = 1'-0"

**6 ENLARGED SECTION DETAIL**  
 3" = 1'-0"

**7 ENLARGED SECTION DETAIL**  
 3" = 1'-0"

**8 ENLARGED SECTION DETAIL**  
 3" = 1'-0"

**9 ENLARGED SECTION DETAIL**  
 3" = 1'-0"

**10 ENLARGED SECTION DETAIL**  
 3" = 1'-0"

**11 SECTION DETAIL**  
 1 1/2" = 1'-0"

**12 SECTION DETAIL**  
 1 1/2" = 1'-0"



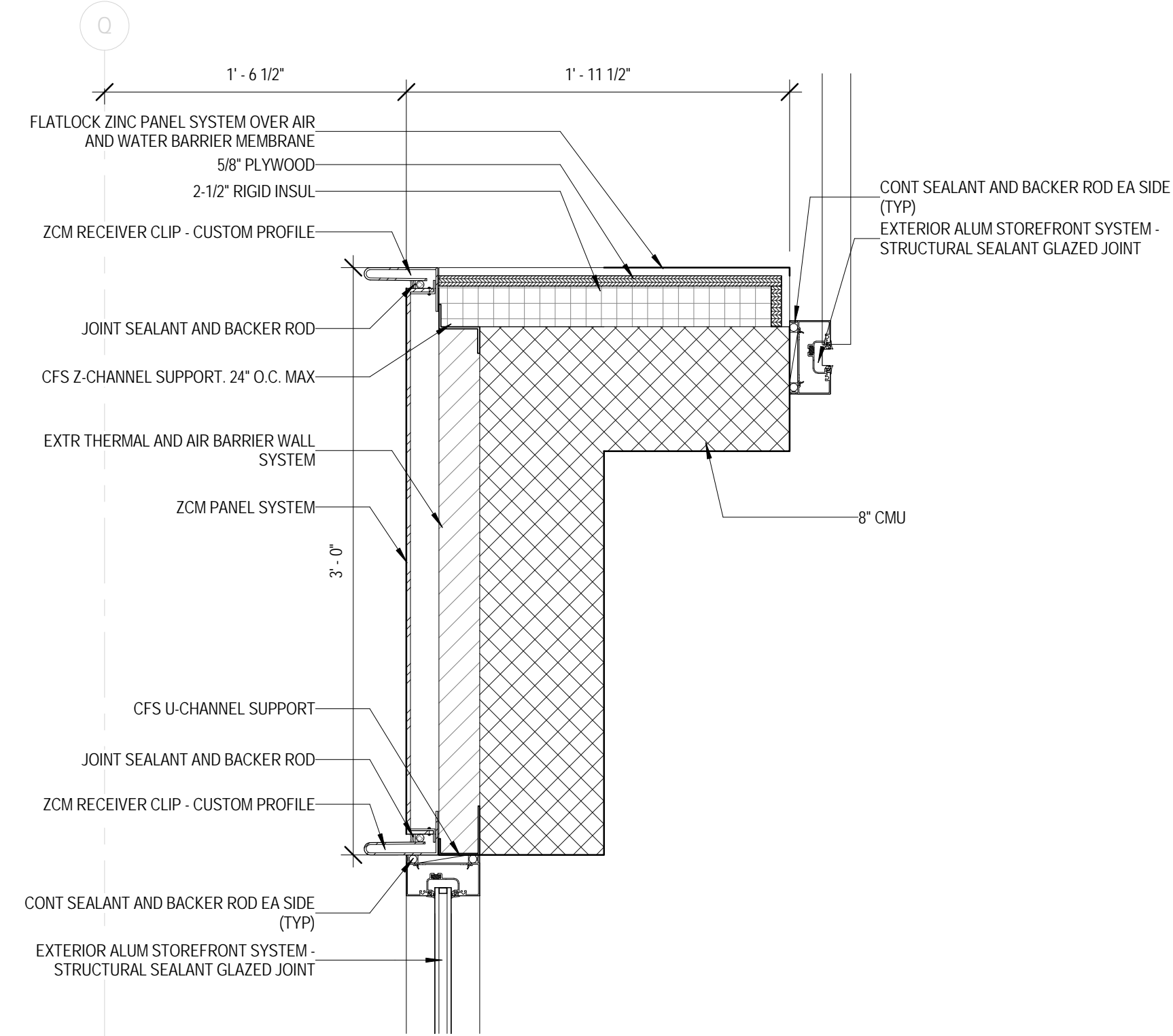


ARCHITECT OF RECORD  
**DEMIONA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

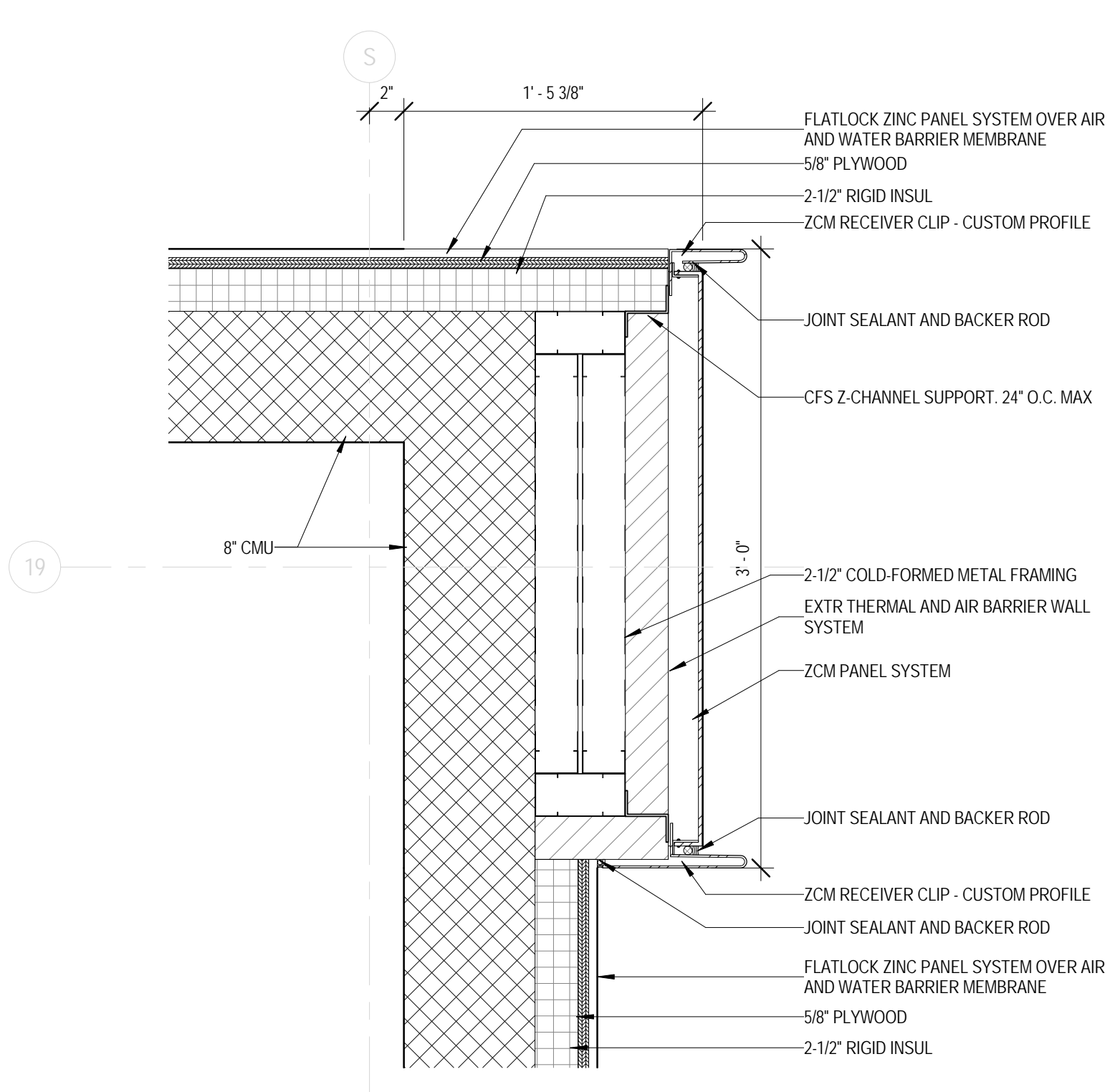
STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

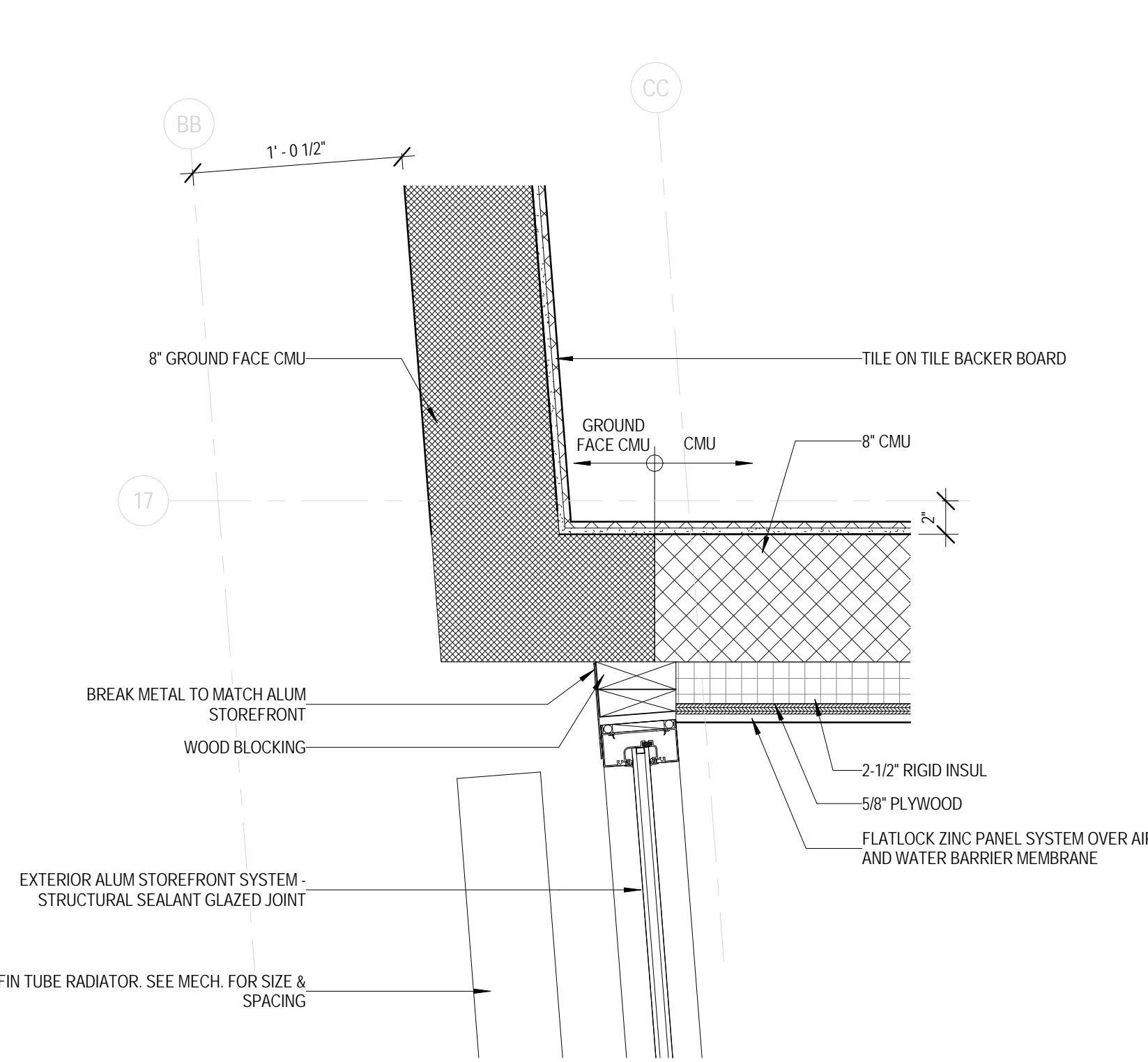
**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



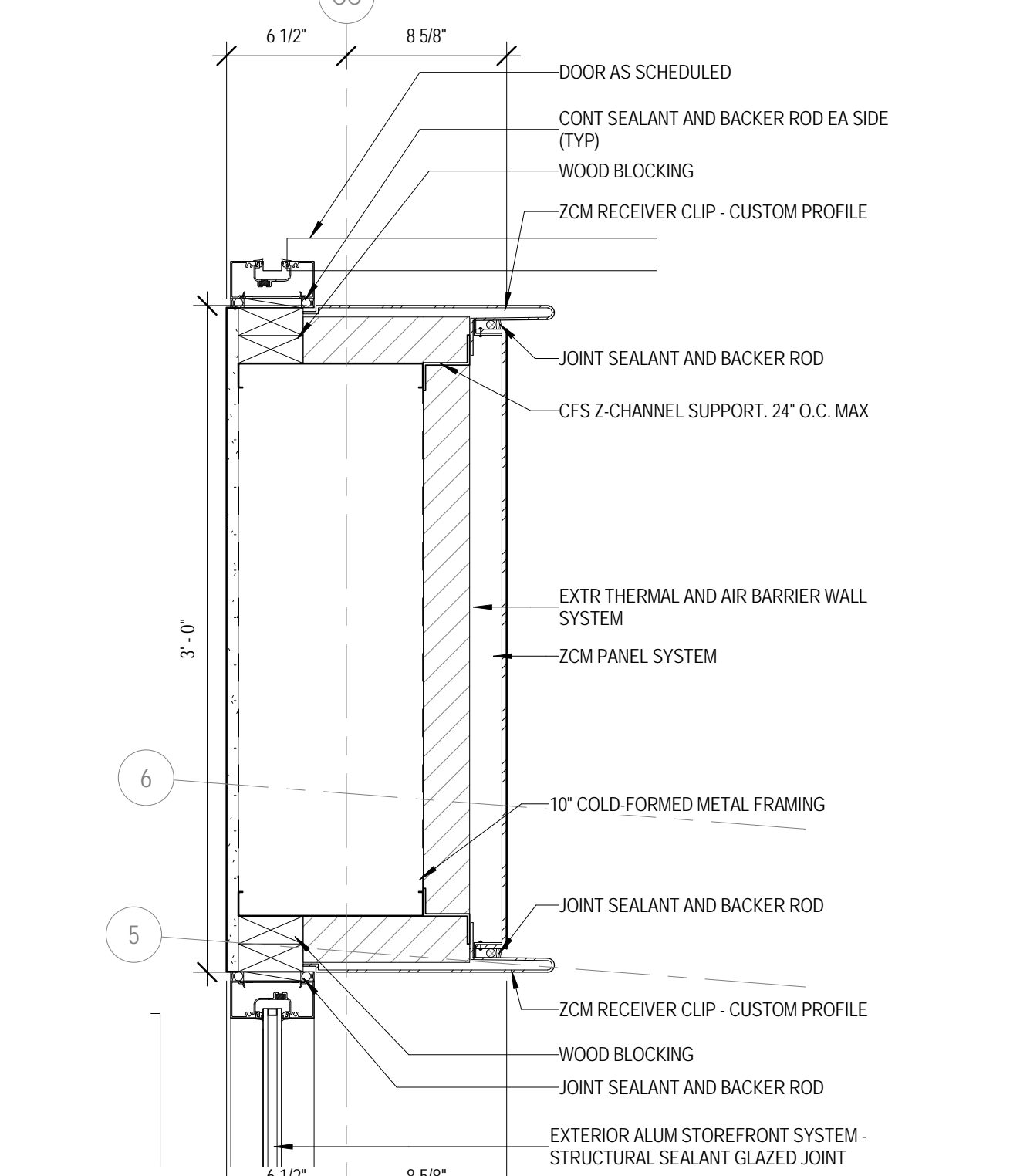
1 PLAN DETAIL  
 1 1/2" = 1'-0"



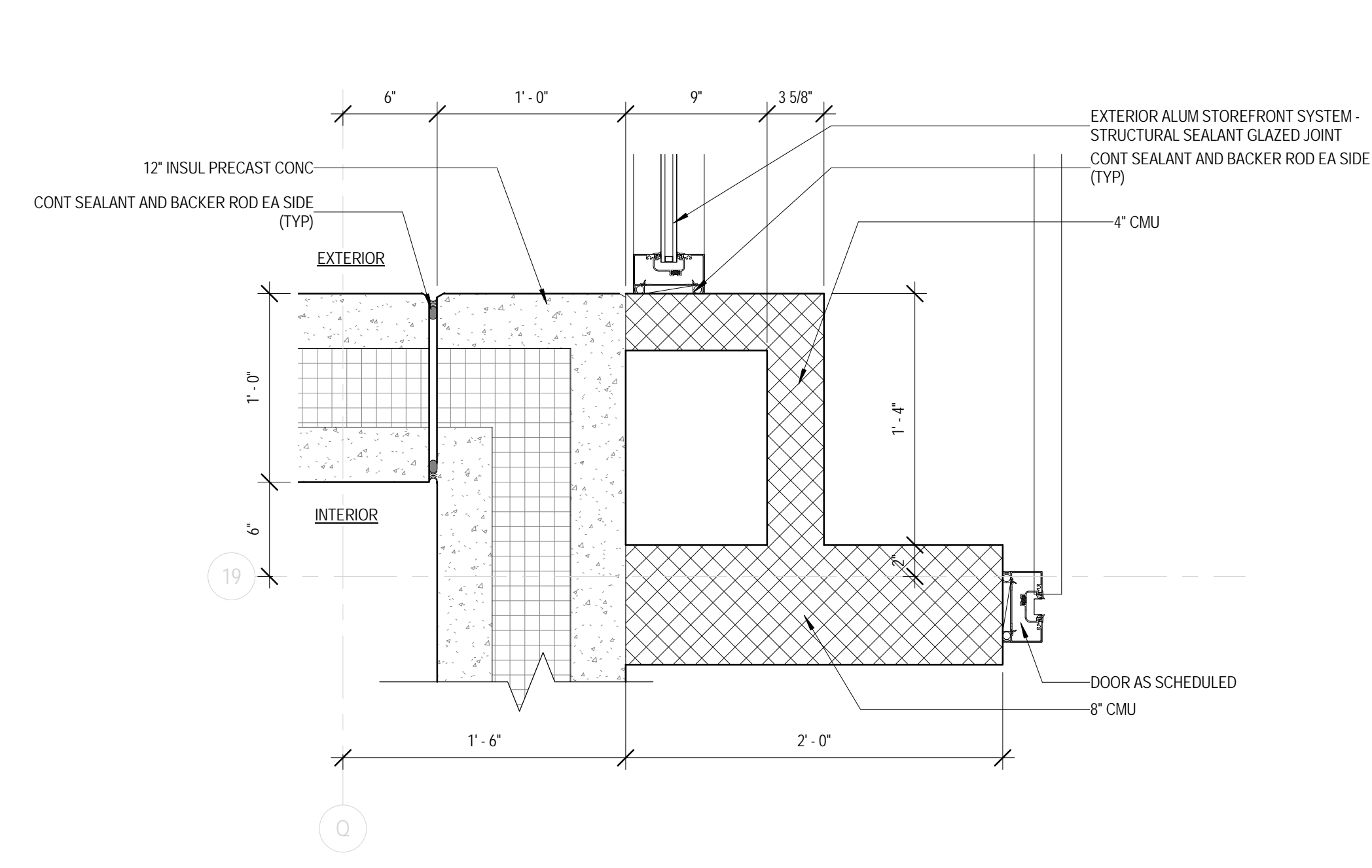
2 PLAN DETAIL  
 1 1/2" = 1'-0"



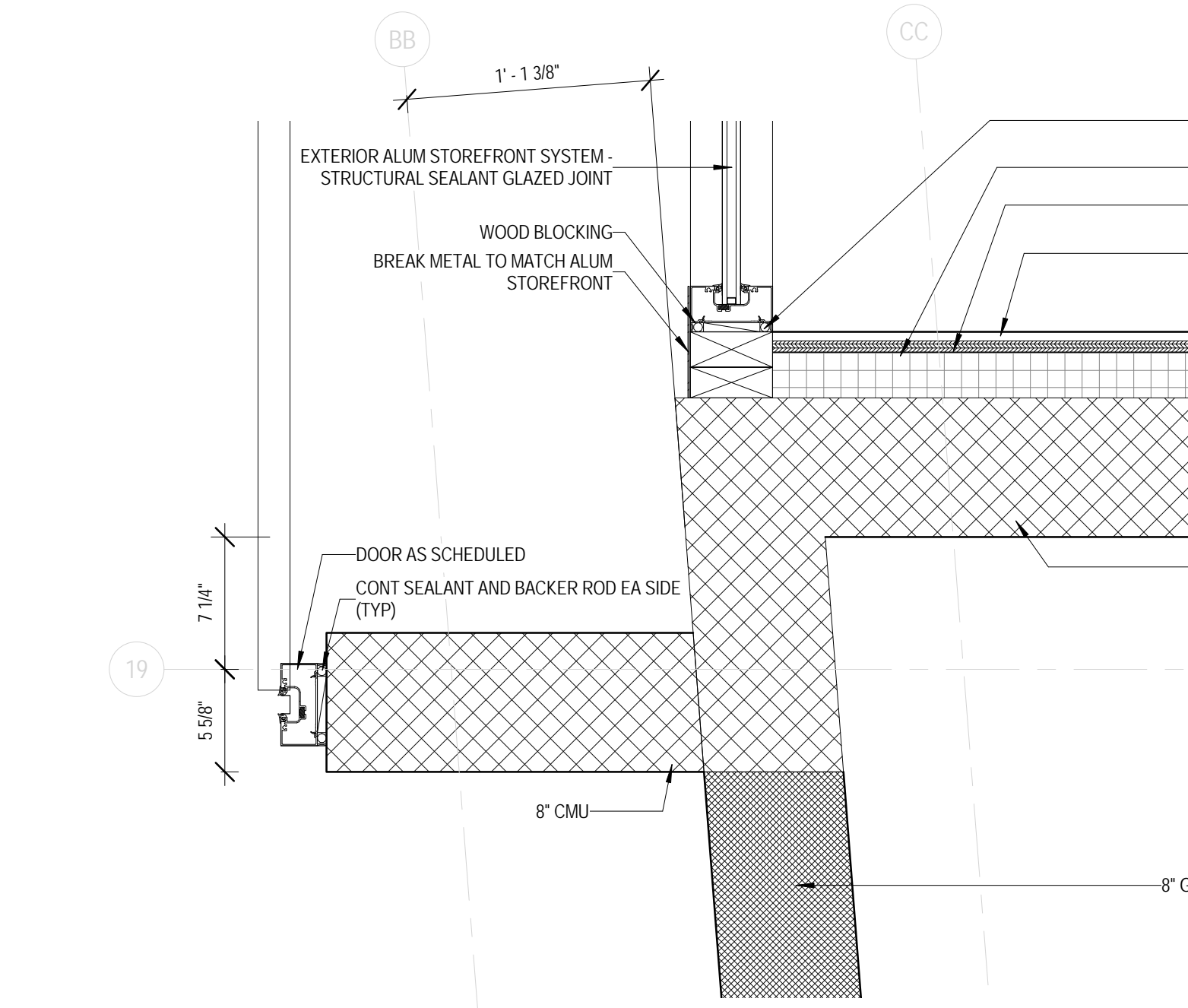
3 PLAN DETAIL  
 1 1/2" = 1'-0"



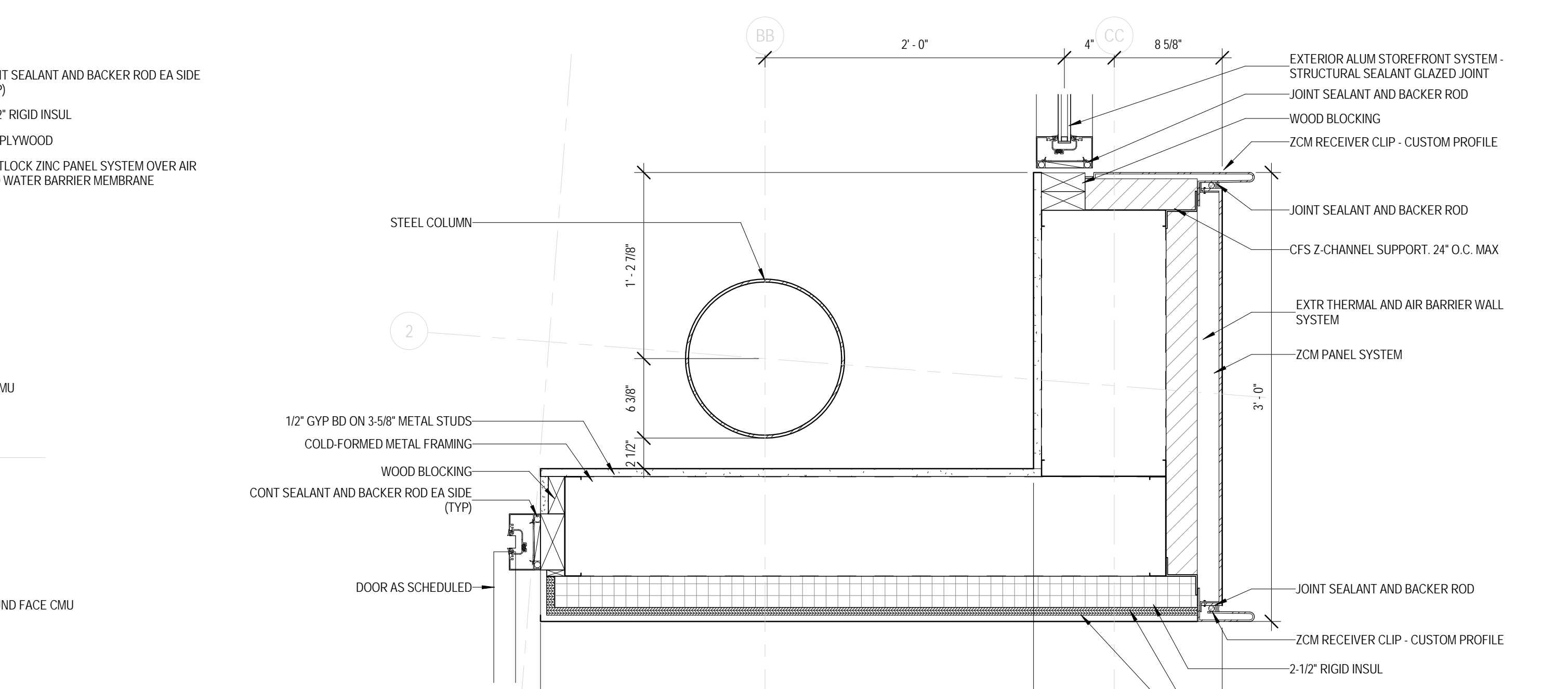
4 PLAN DETAIL  
 1 1/2" = 1'-0"



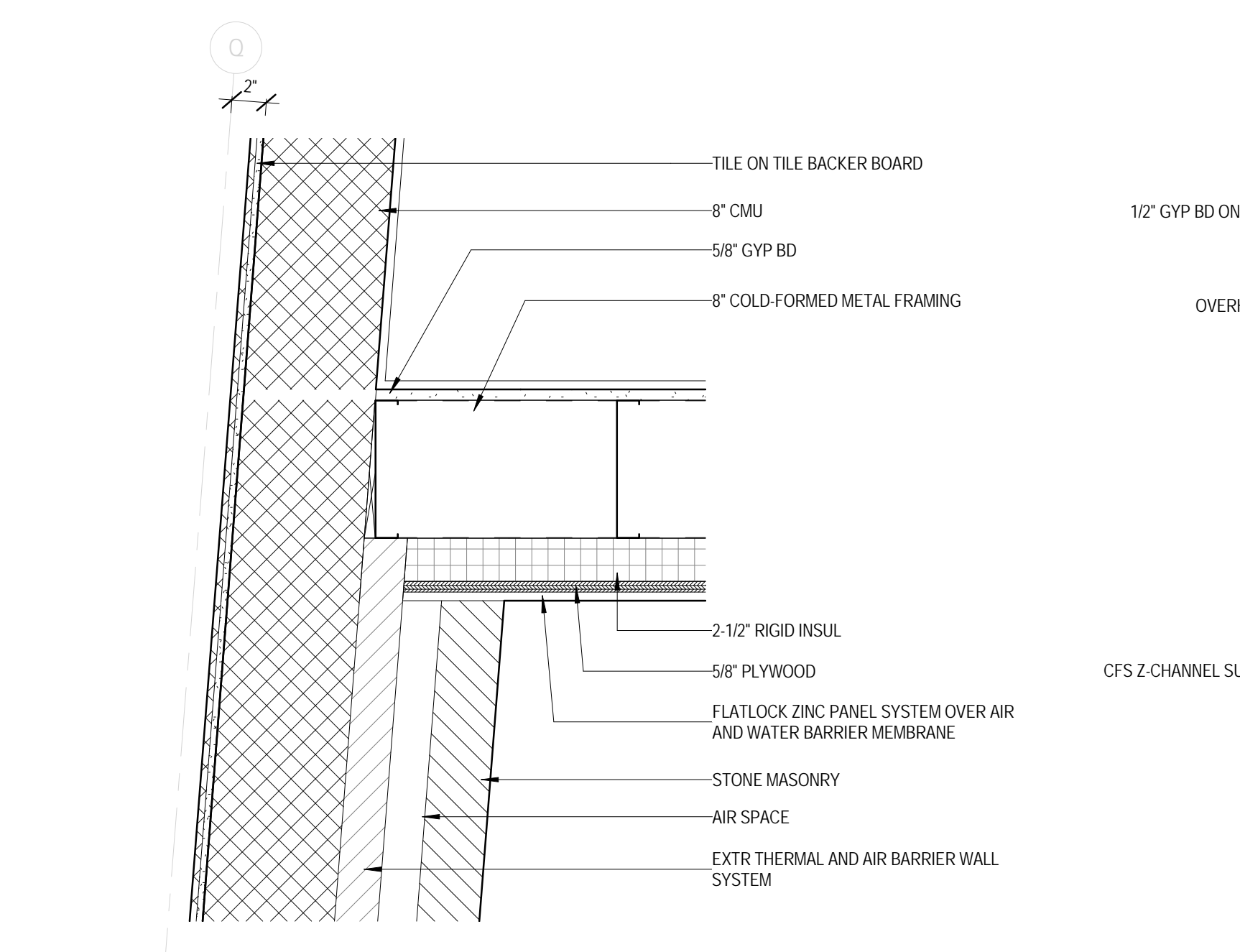
5 PLAN DETAIL  
 1 1/2" = 1'-0"



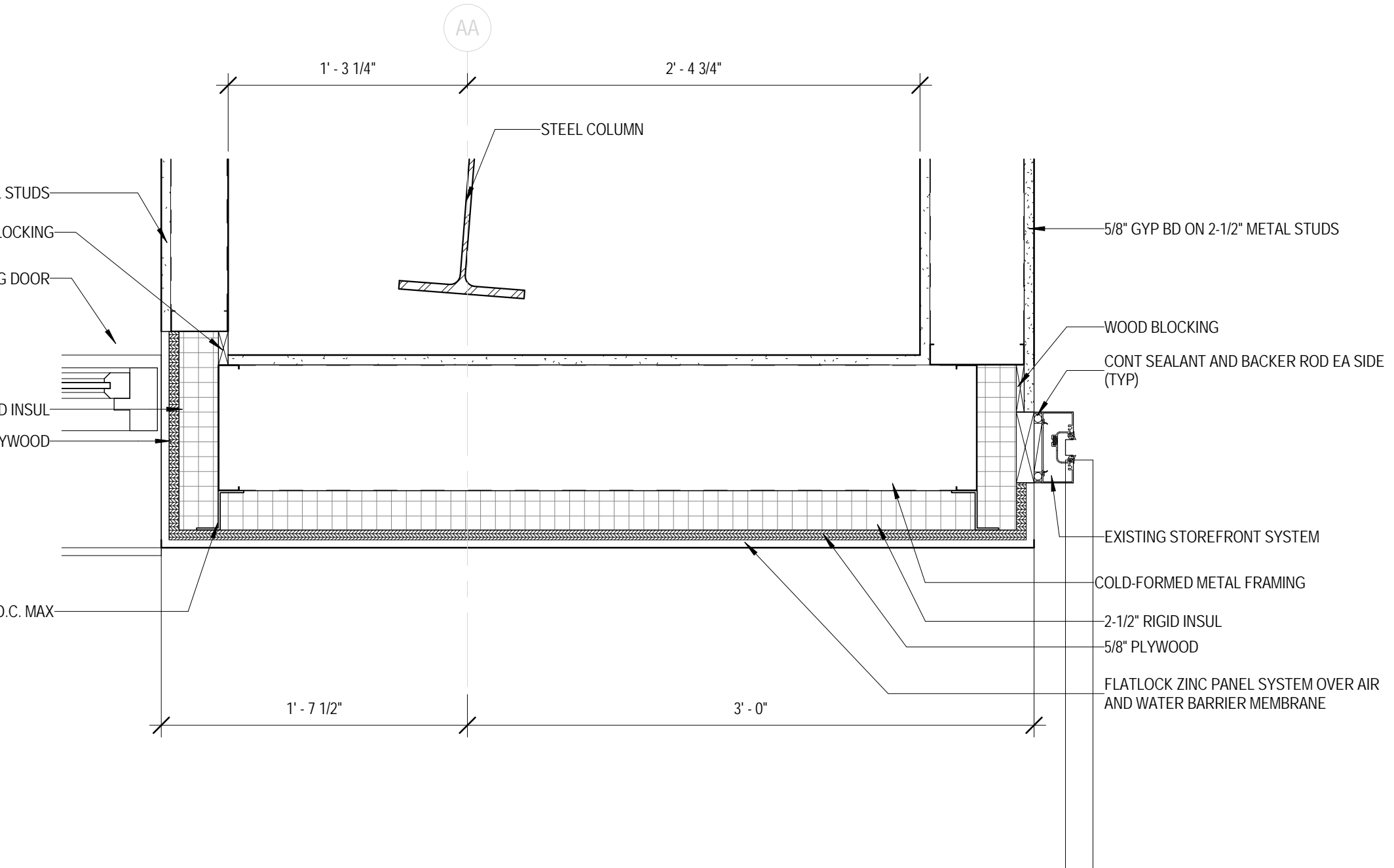
6 PLAN DETAIL  
 1 1/2" = 1'-0"



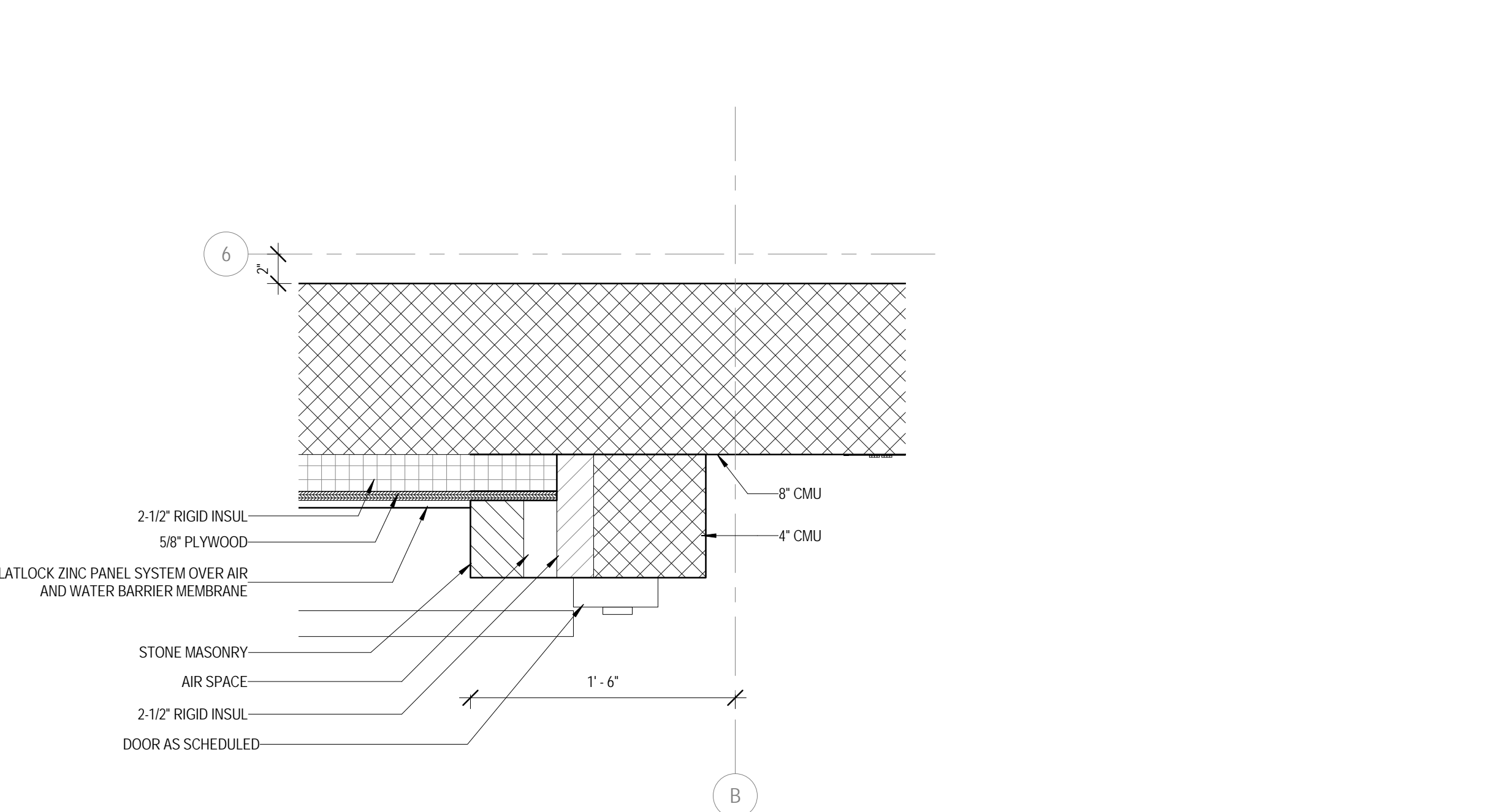
7 PLAN DETAIL  
 1 1/2" = 1'-0"



8 PLAN DETAIL  
 1 1/2" = 1'-0"



9 PLAN DETAIL  
 1 1/2" = 1'-0"



10 PLAN DETAIL  
 1 1/2" = 1'-0"

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**PLAN DETAILS**

SHEET NUMBER:

**A7.51**

7/20/2015 10:48:05 AM



ARCHITECT OF RECORD  
**DEMIONA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

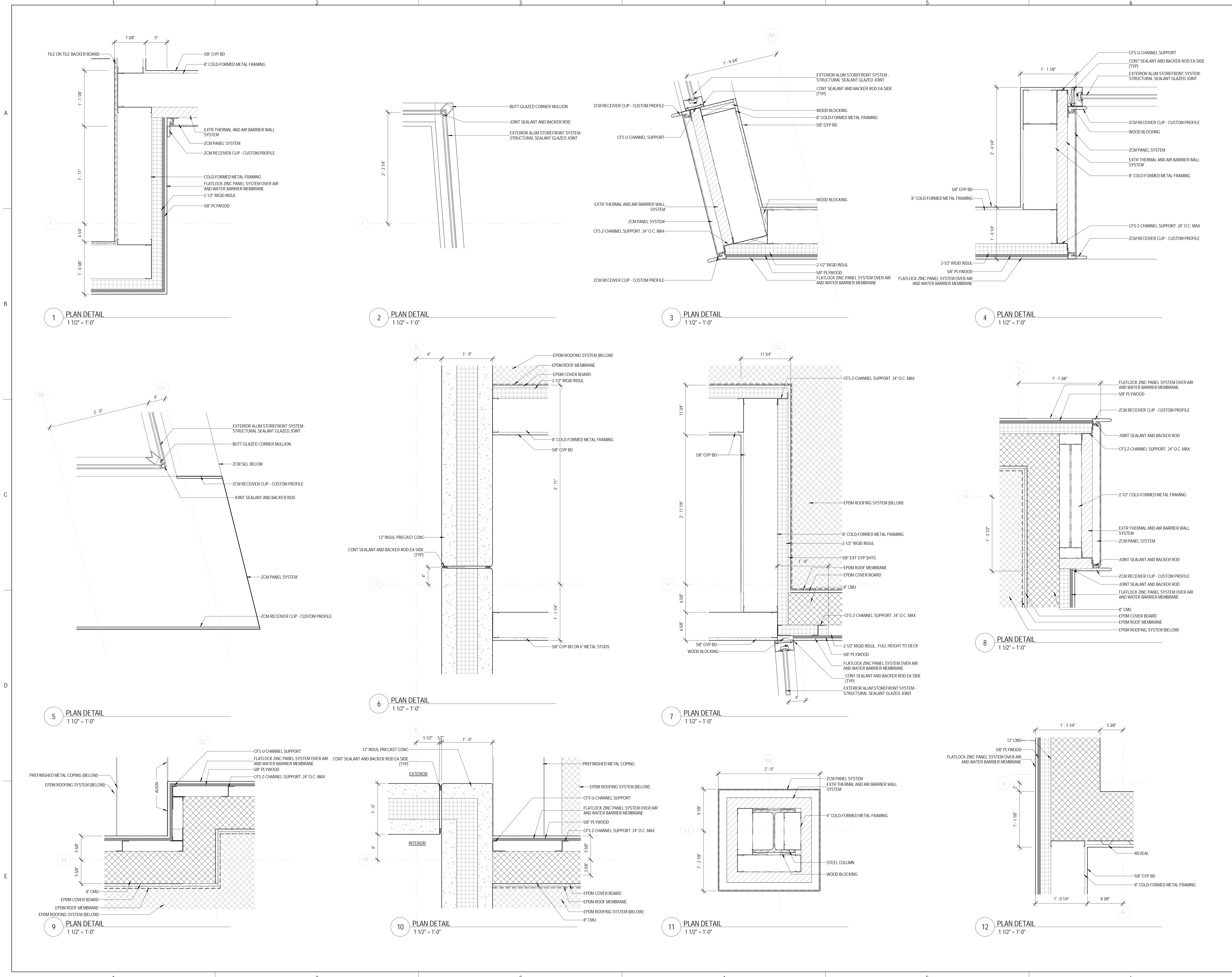
SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**PLAN DETAILS**

SHEET NUMBER:  
**A7.52**

7/20/2015 10:48:13 AM



**1 PLAN DETAIL**  
 1 1/2" = 1'-0"

**2 PLAN DETAIL**  
 1 1/2" = 1'-0"

**3 PLAN DETAIL**  
 1 1/2" = 1'-0"

**4 PLAN DETAIL**  
 1 1/2" = 1'-0"

**5 PLAN DETAIL**  
 1 1/2" = 1'-0"

**6 PLAN DETAIL**  
 1 1/2" = 1'-0"

**7 PLAN DETAIL**  
 1 1/2" = 1'-0"

**8 PLAN DETAIL**  
 1 1/2" = 1'-0"

**9 PLAN DETAIL**  
 1 1/2" = 1'-0"

**10 PLAN DETAIL**  
 1 1/2" = 1'-0"

**11 PLAN DETAIL**  
 1 1/2" = 1'-0"

**12 PLAN DETAIL**  
 1 1/2" = 1'-0"



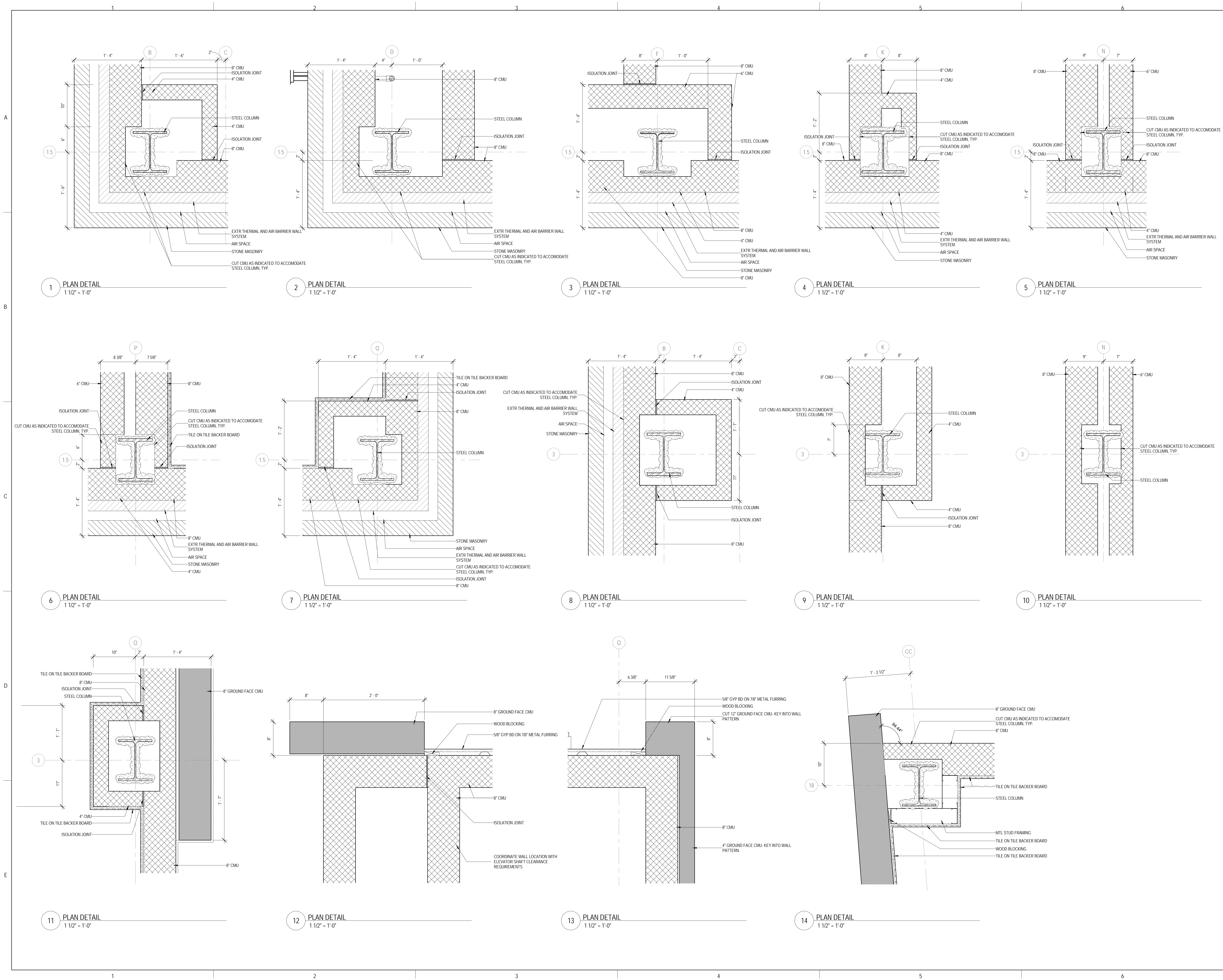


ARCHITECT OF RECORD  
**DEMIONA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



KEY PLAN:

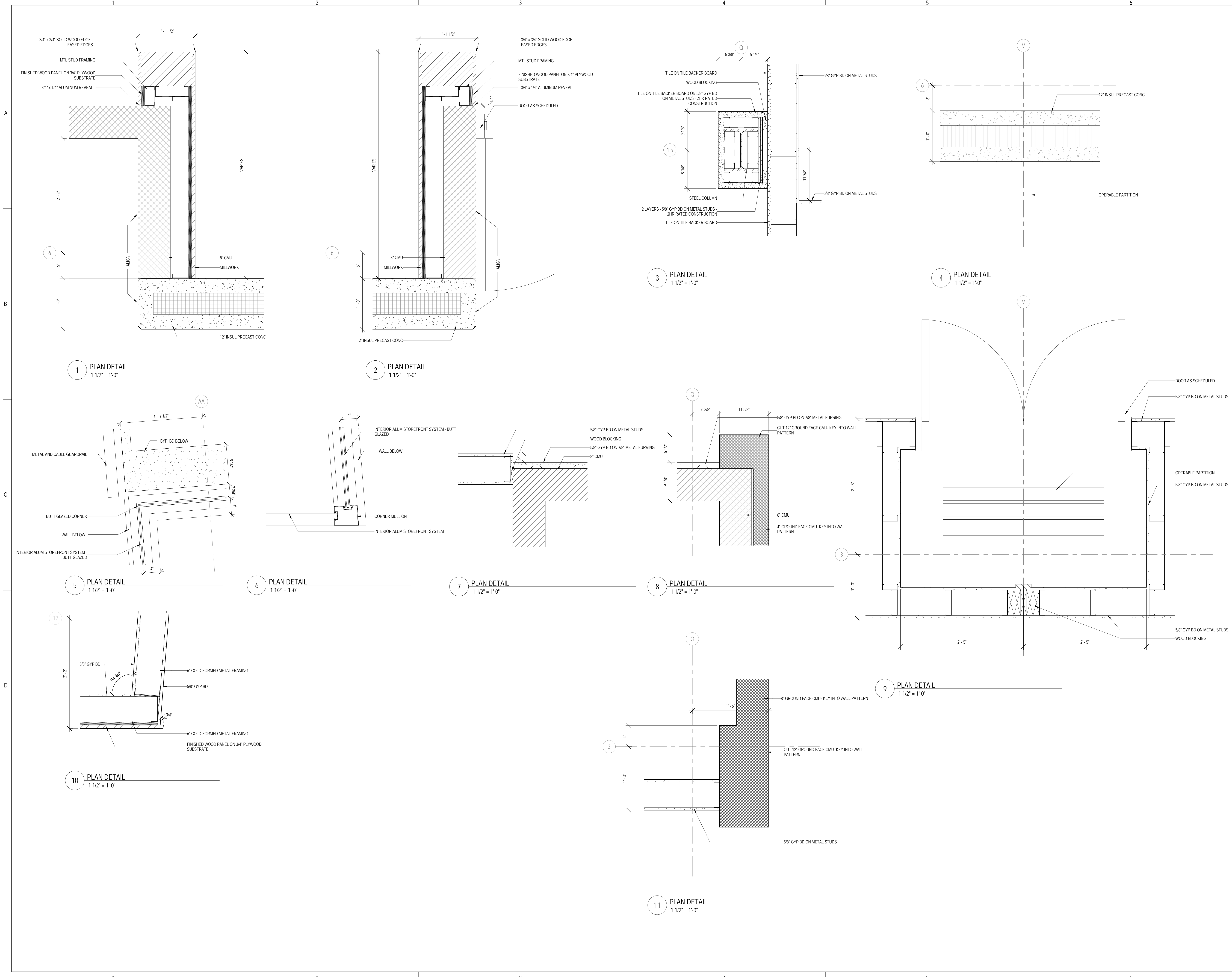
SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**PLAN DETAILS**

SHEET NUMBER:  
**A7.53**

NO.	DESCRIPTION:	DATE:



1 PLAN DETAIL  
 1 1/2" = 1'-0"

2 PLAN DETAIL  
 1 1/2" = 1'-0"

3 PLAN DETAIL  
 1 1/2" = 1'-0"

4 PLAN DETAIL  
 1 1/2" = 1'-0"

5 PLAN DETAIL  
 1 1/2" = 1'-0"

6 PLAN DETAIL  
 1 1/2" = 1'-0"

7 PLAN DETAIL  
 1 1/2" = 1'-0"

8 PLAN DETAIL  
 1 1/2" = 1'-0"

9 PLAN DETAIL  
 1 1/2" = 1'-0"

10 PLAN DETAIL  
 1 1/2" = 1'-0"

11 PLAN DETAIL  
 1 1/2" = 1'-0"





ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

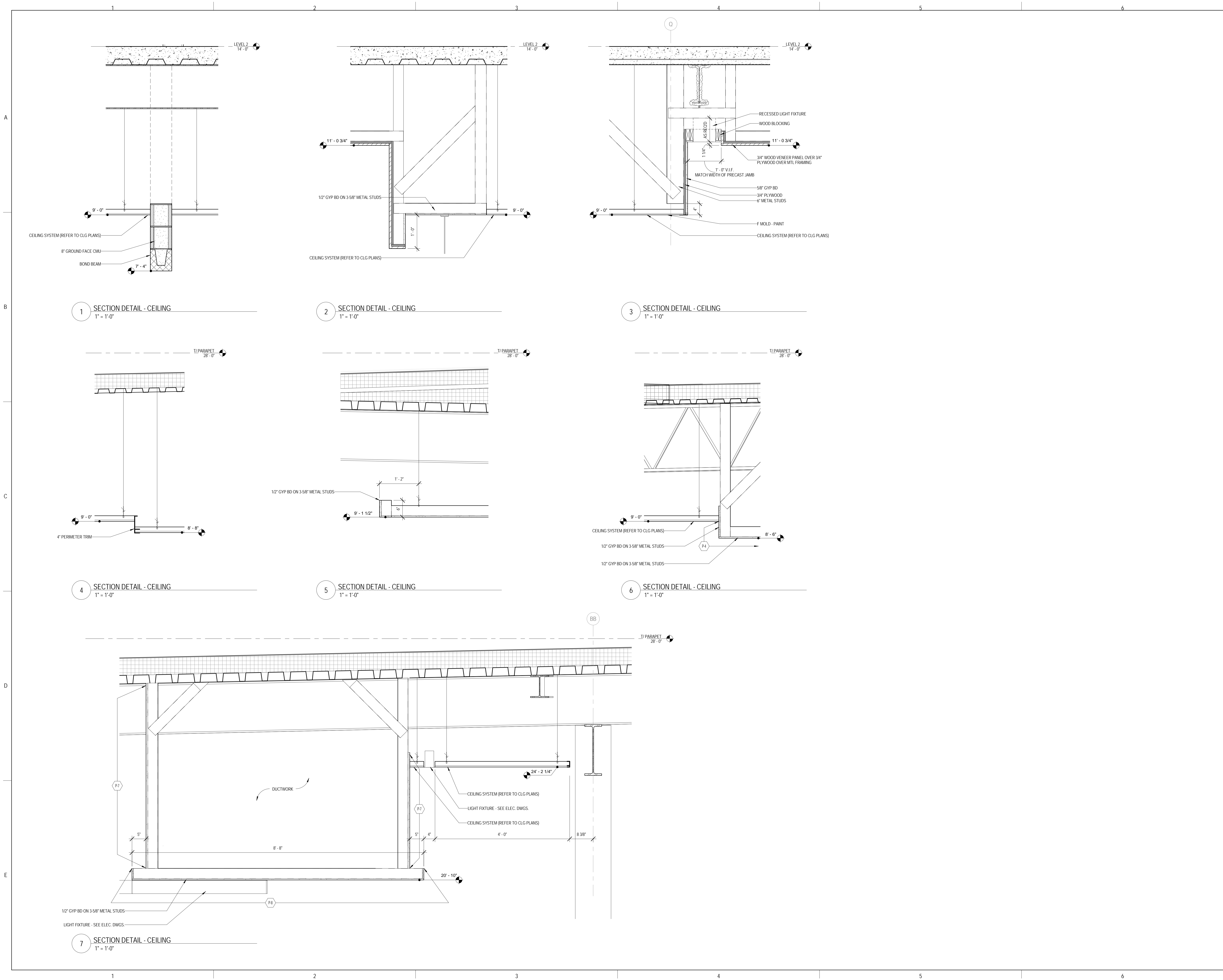
SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**CEILING DETAILS**

SHEET NUMBER:

**A7.91**



1 SECTION DETAIL - CEILING  
 1" = 1'-0"

2 SECTION DETAIL - CEILING  
 1" = 1'-0"

3 SECTION DETAIL - CEILING  
 1" = 1'-0"

4 SECTION DETAIL - CEILING  
 1" = 1'-0"

5 SECTION DETAIL - CEILING  
 1" = 1'-0"

6 SECTION DETAIL - CEILING  
 1" = 1'-0"

7 SECTION DETAIL - CEILING  
 1" = 1'-0"



ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

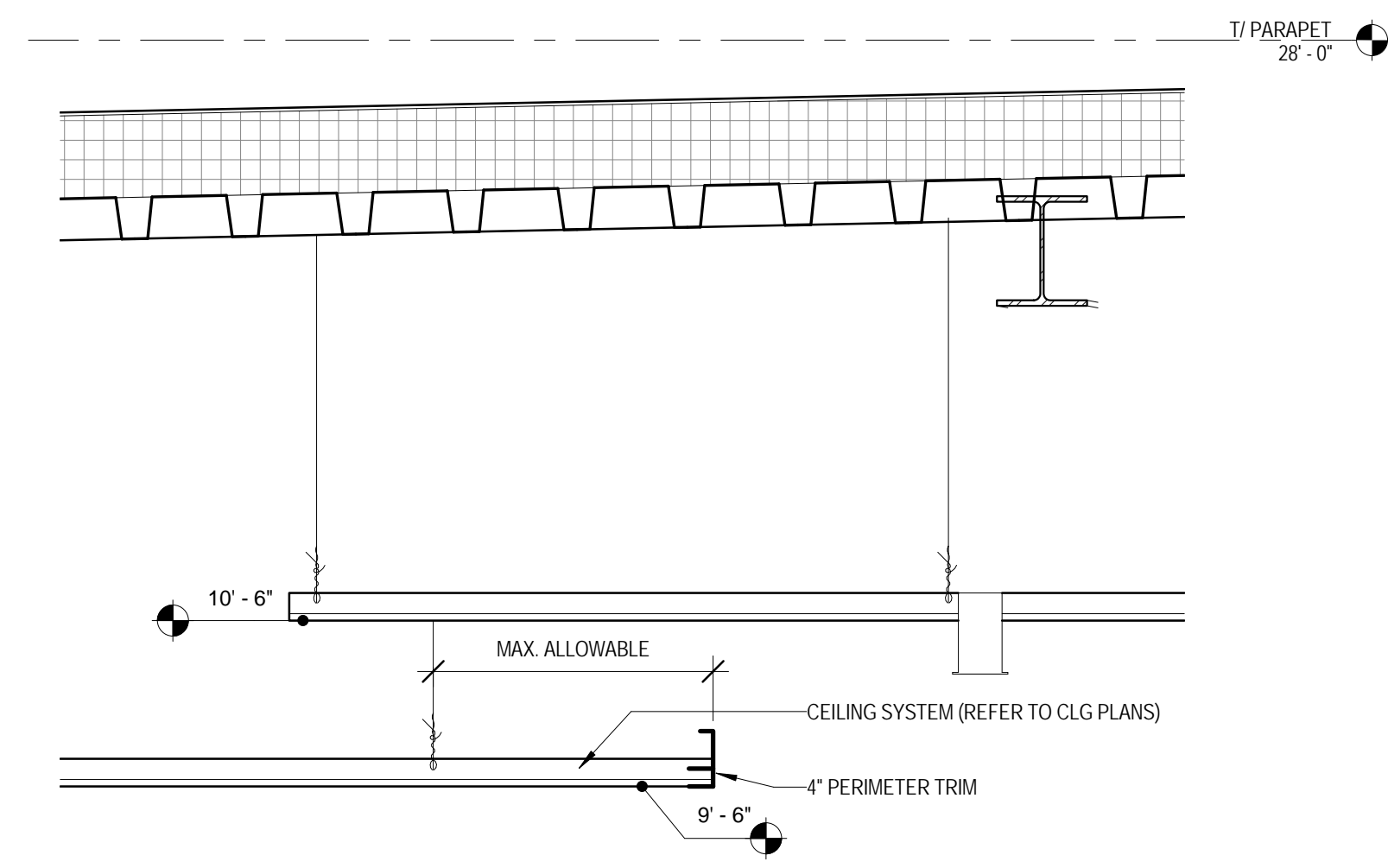
NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**CEILING DETAILS**

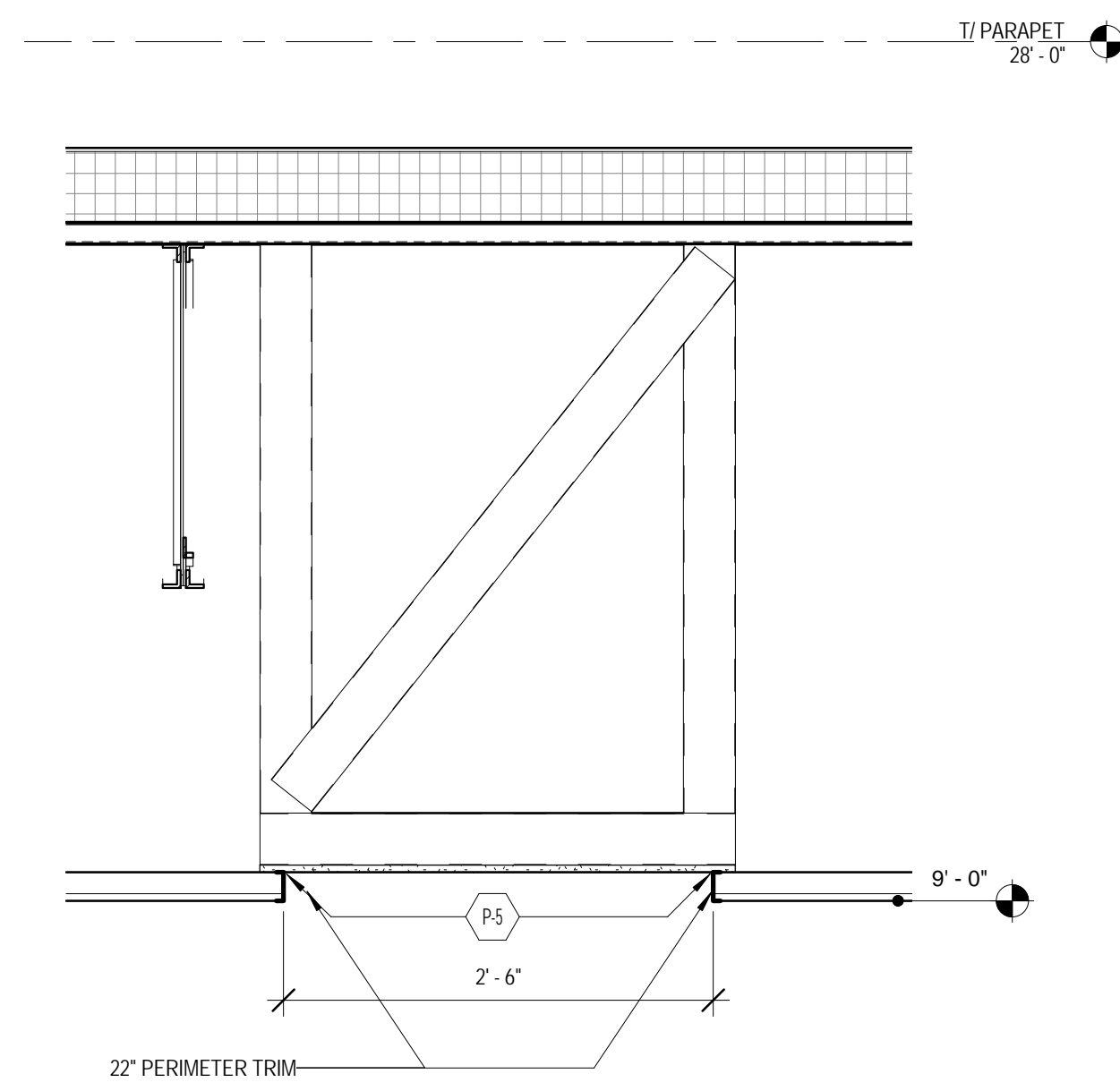
SHEET NUMBER:

**A7.92**

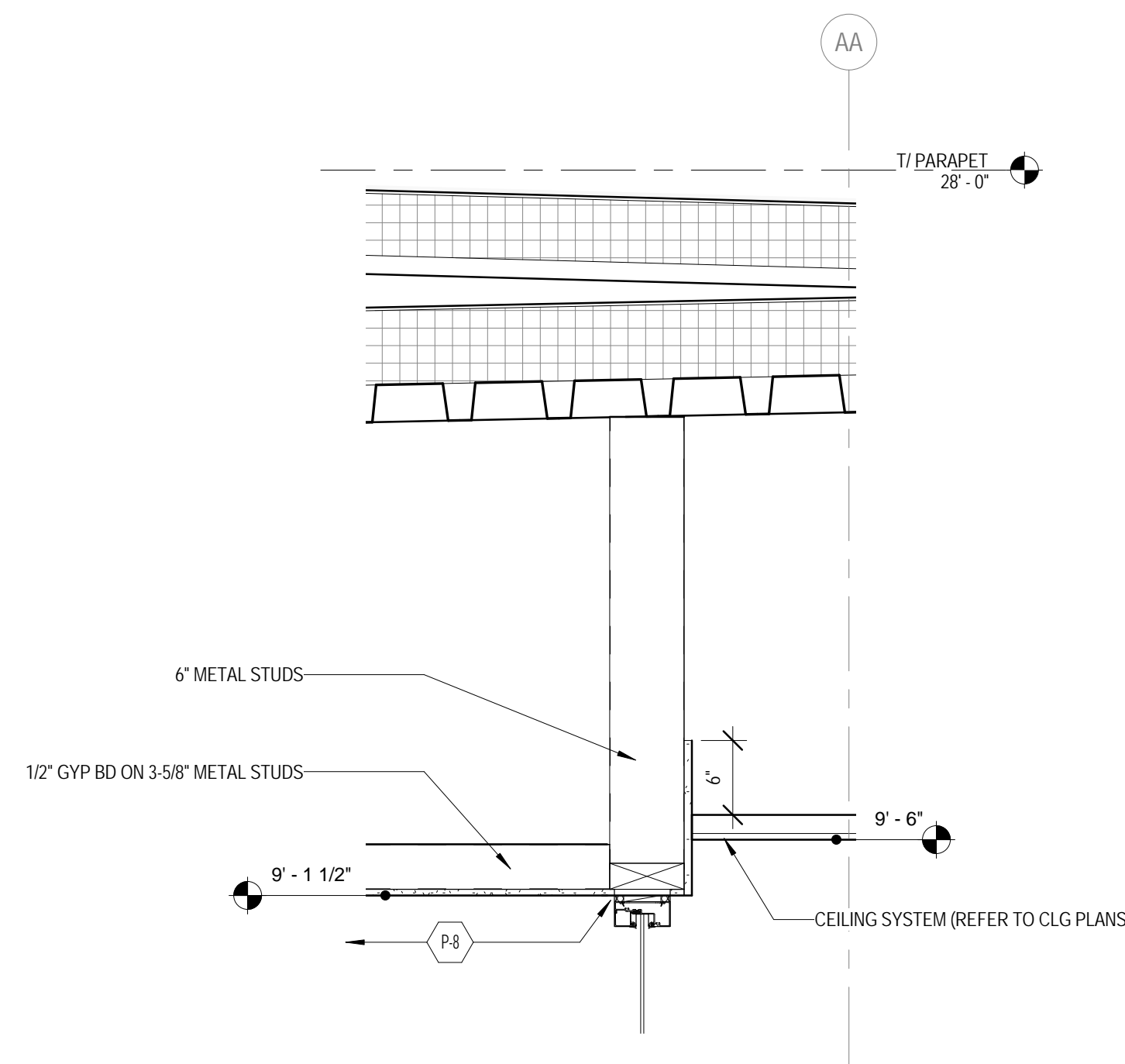
7/20/2015 10:48:37 AM



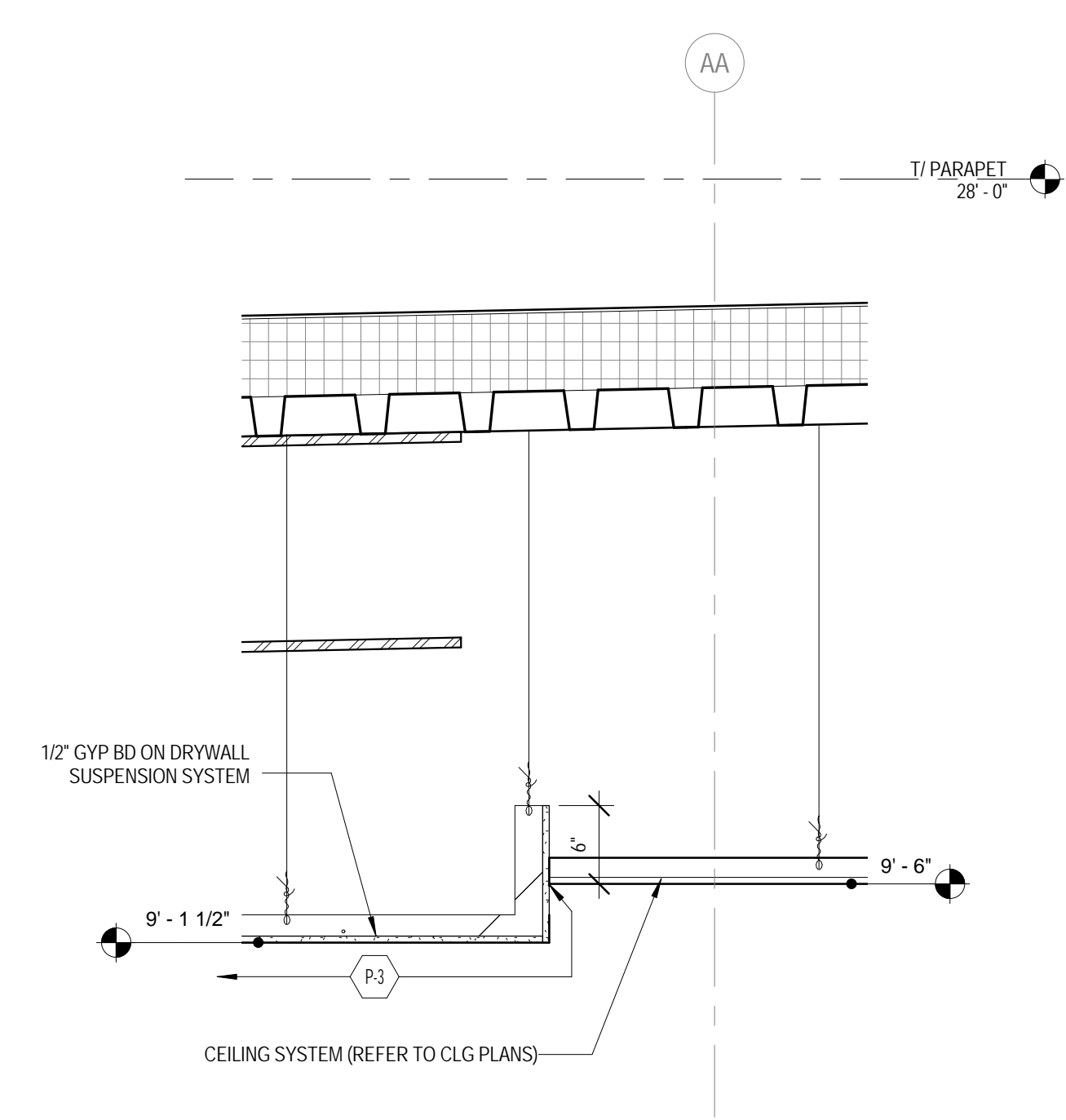
1 SECTION DETAIL - CEILING  
 1" = 1'-0"



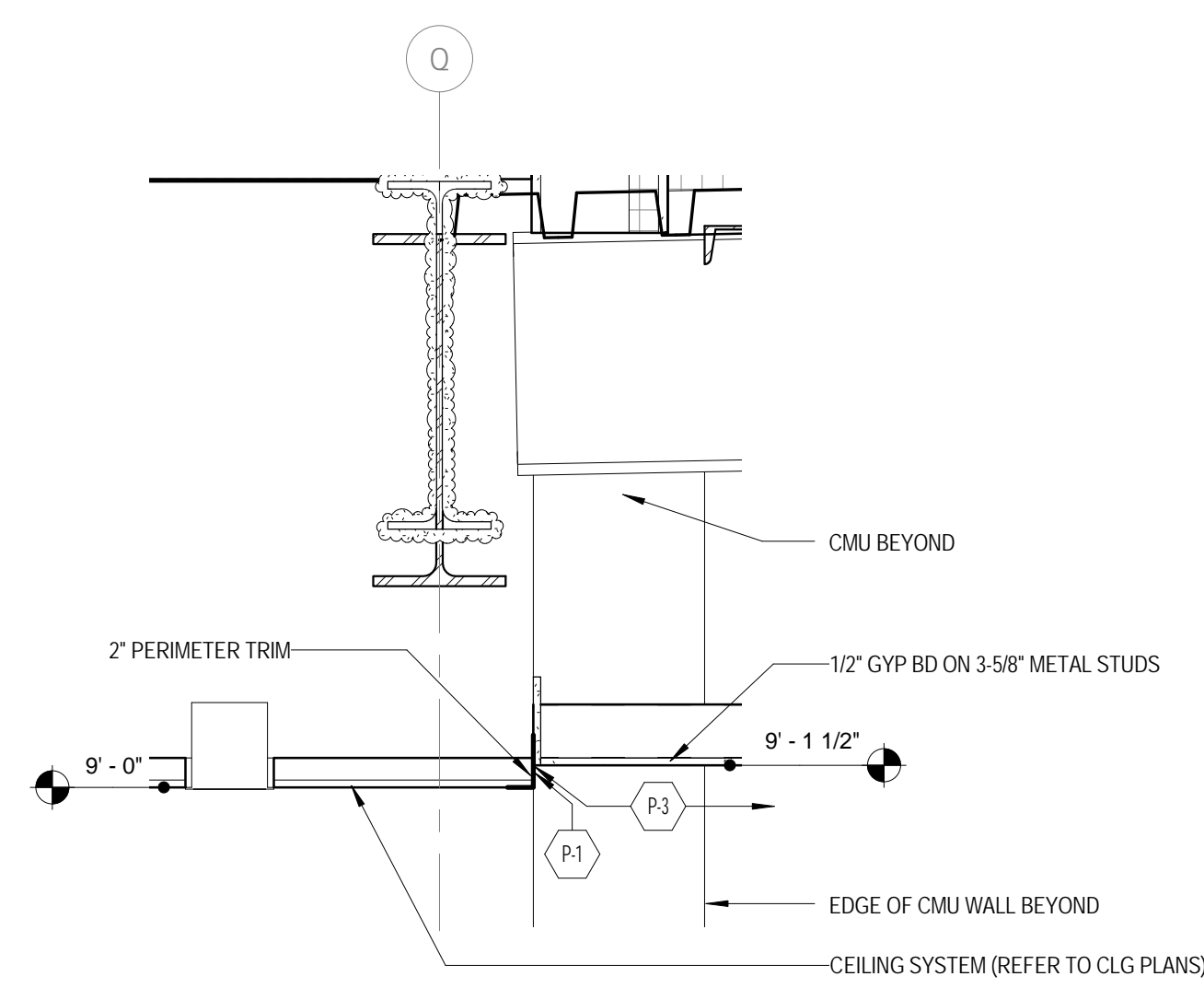
2 SECTION DETAIL - CEILING  
 1" = 1'-0"



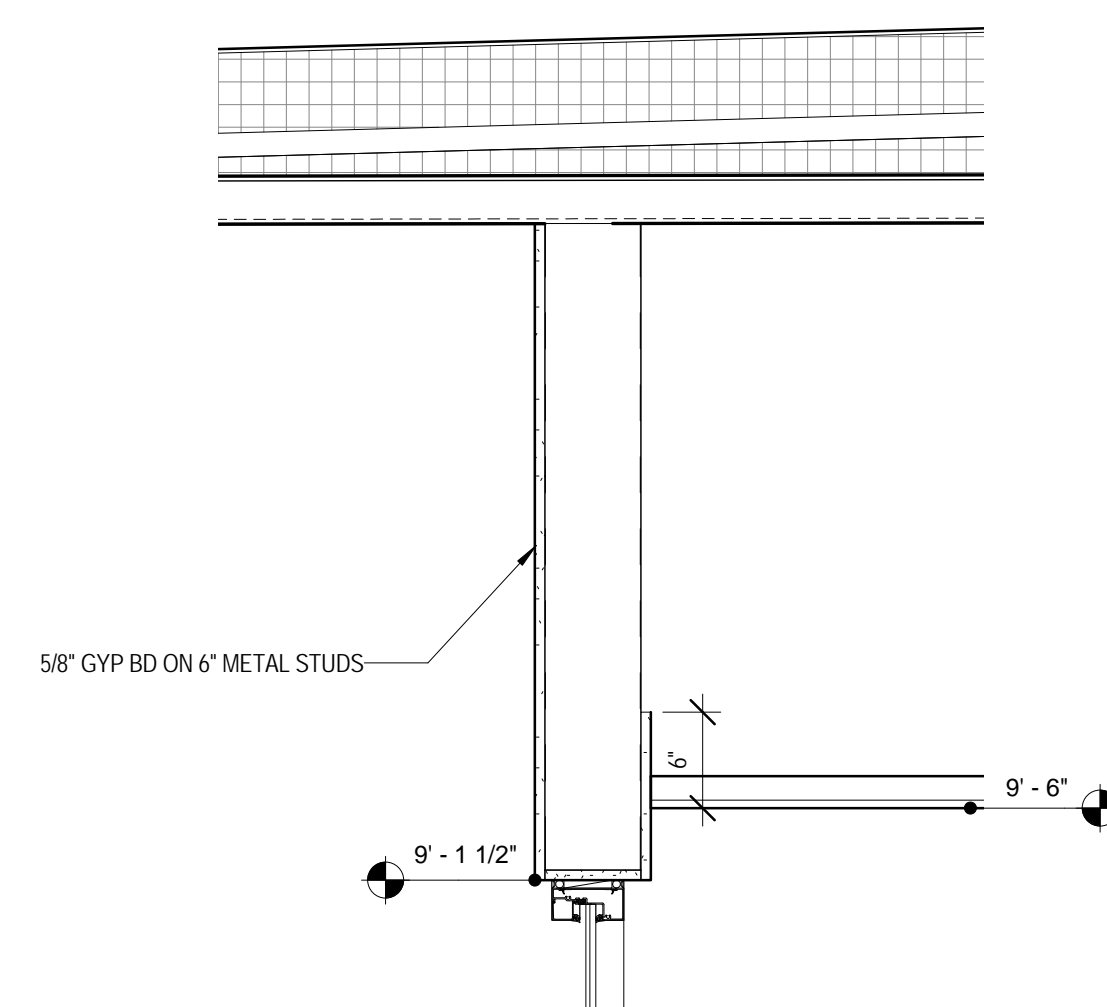
3 SECTION DETAIL - CEILING  
 1" = 1'-0"



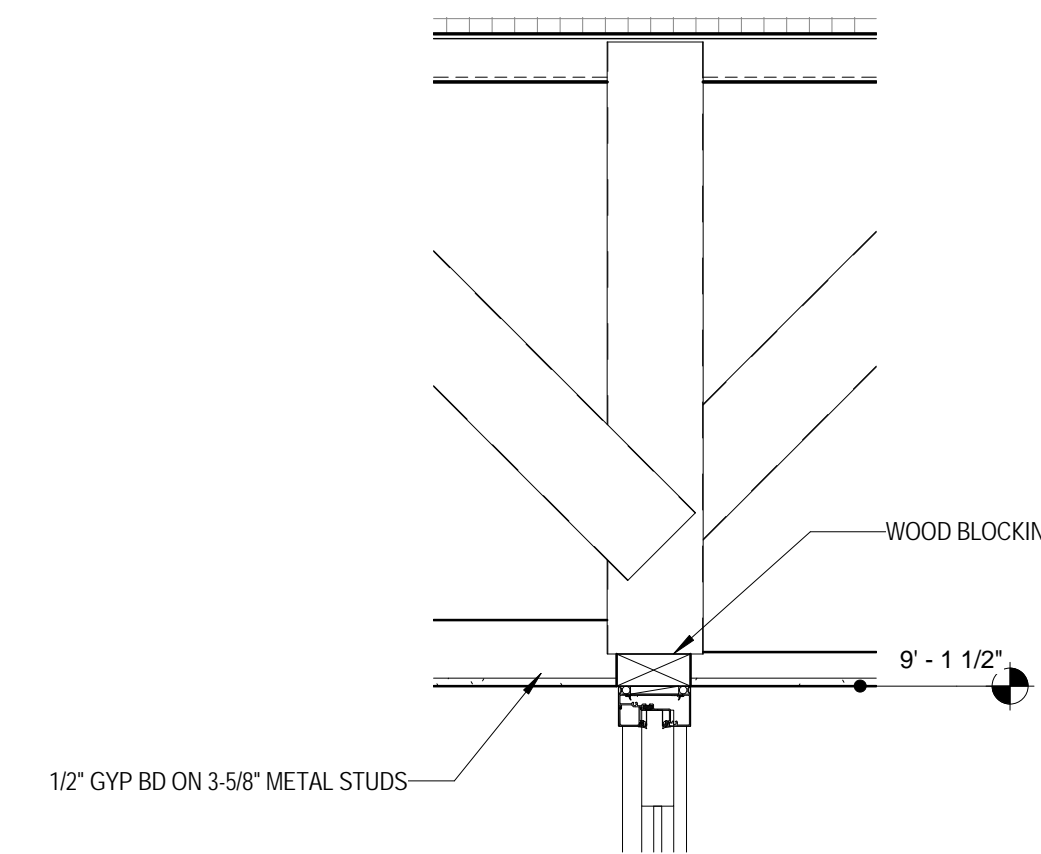
4 SECTION DETAIL - CEILING  
 1" = 1'-0"



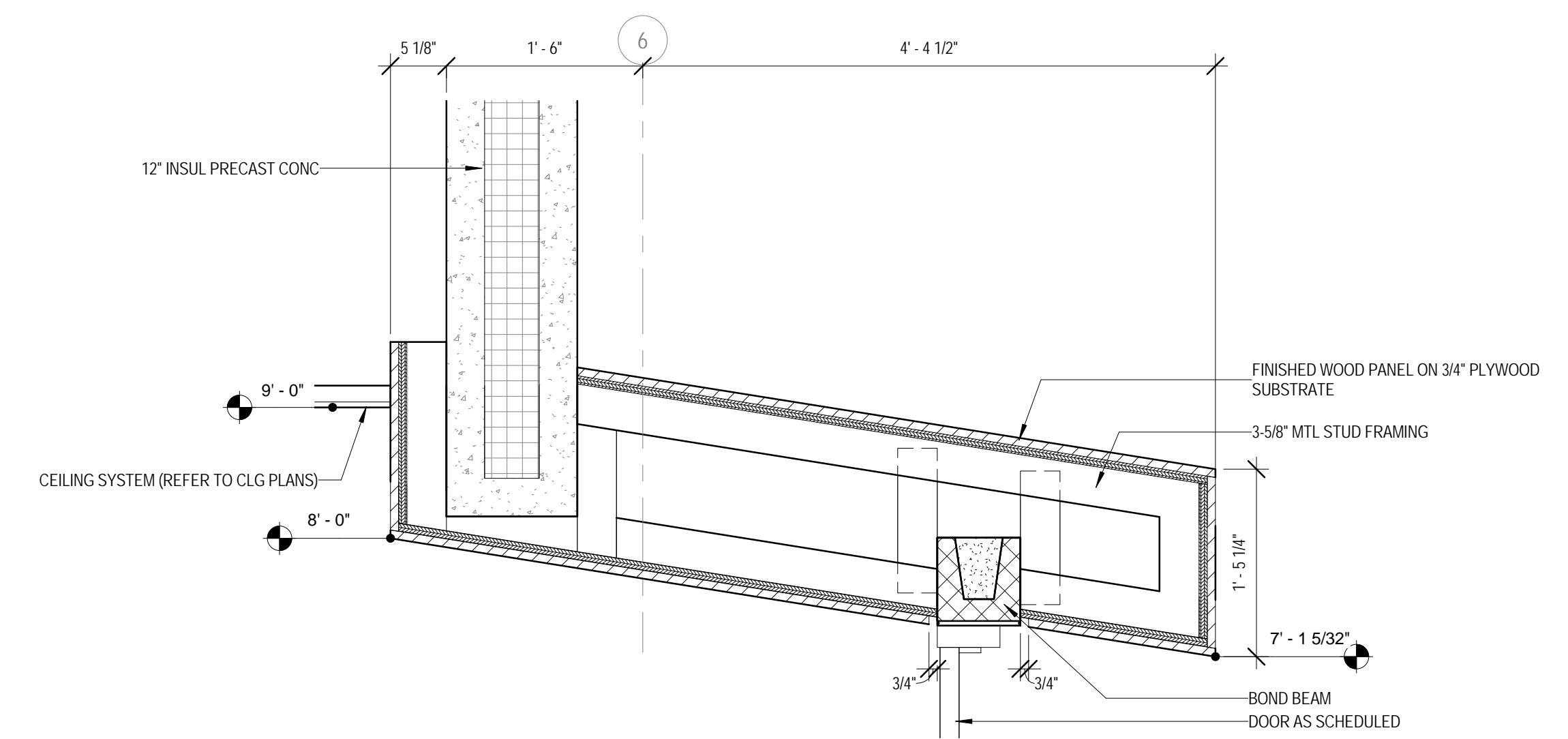
5 SECTION DETAIL - CEILING  
 1" = 1'-0"



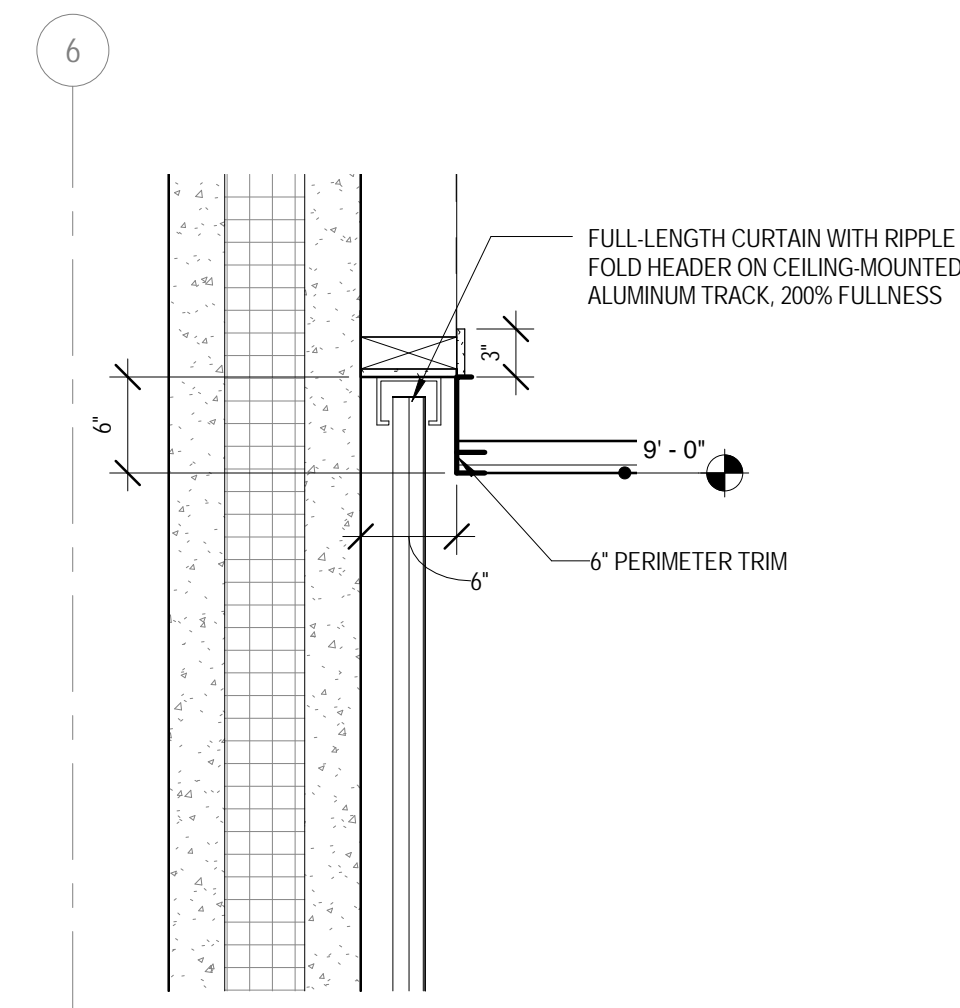
6 SECTION DETAIL - CEILING  
 1" = 1'-0"



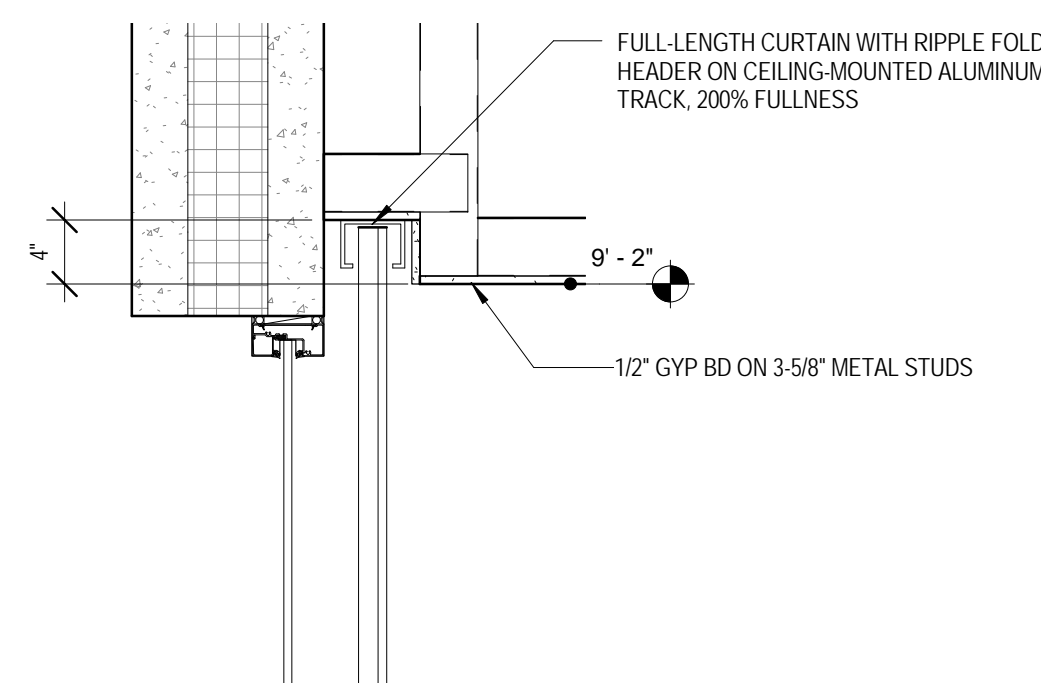
7 SECTION DETAIL - CEILING  
 1" = 1'-0"



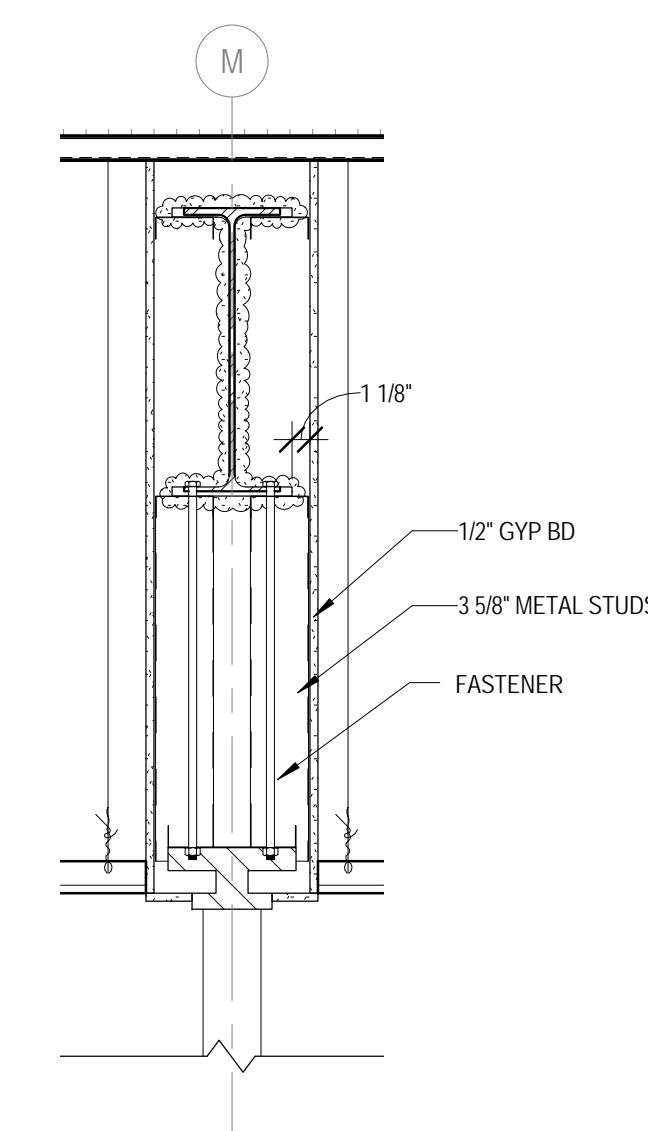
8 SECTION DETAIL - CEILING  
 1" = 1'-0"



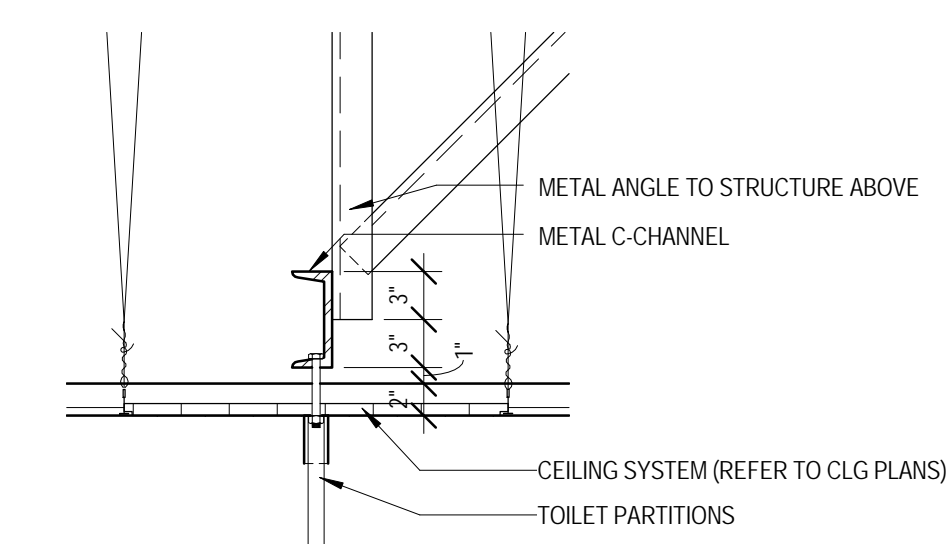
9 SECTION DETAIL - CEILING  
 1" = 1'-0"



10 SECTION DETAIL - CEILING  
 1" = 1'-0"



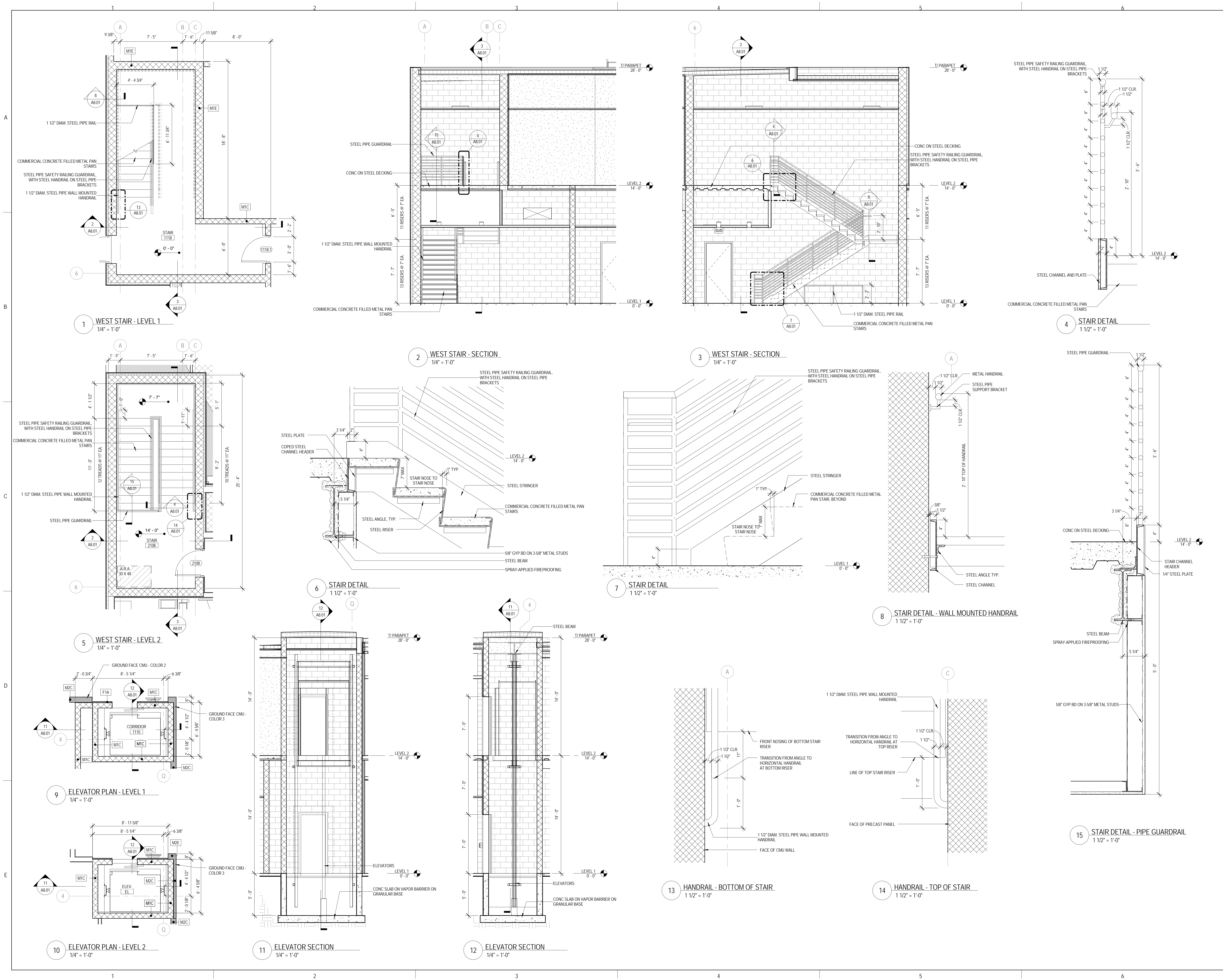
11 SECTION DETAIL - CEILING  
 1" = 1'-0"



12 SECTION DETAIL - CEILING  
 1" = 1'-0"



NO.	DESCRIPTION	DATE



KEY PLAN:

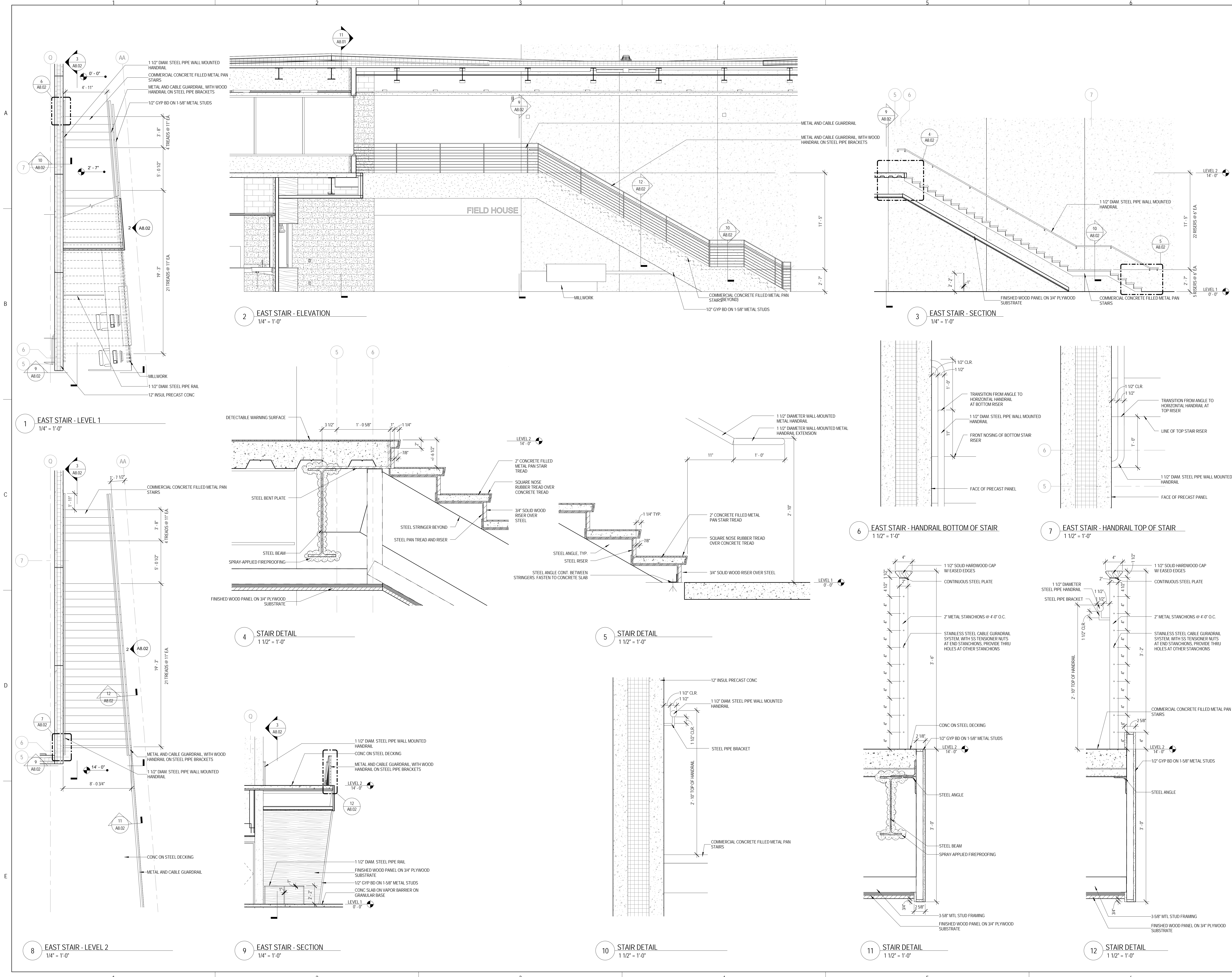
SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ENLARGED STAIR  
 PLANS AND  
 SECTIONS**

SHEET NUMBER:

**A8.02**



**2 EAST STAIR - ELEVATION**  
 1/4" = 1'-0"

**3 EAST STAIR - SECTION**  
 1/4" = 1'-0"

**1 EAST STAIR - LEVEL 1**  
 1/4" = 1'-0"

**4 STAIR DETAIL**  
 1 1/2" = 1'-0"

**5 STAIR DETAIL**  
 1 1/2" = 1'-0"

**6 EAST STAIR - HANDRAIL BOTTOM OF STAIR**  
 1 1/2" = 1'-0"

**7 EAST STAIR - HANDRAIL TOP OF STAIR**  
 1 1/2" = 1'-0"

**8 EAST STAIR - LEVEL 2**  
 1/4" = 1'-0"

**9 EAST STAIR - SECTION**  
 1/4" = 1'-0"

**10 STAIR DETAIL**  
 1 1/2" = 1'-0"

**11 STAIR DETAIL**  
 1 1/2" = 1'-0"

**12 STAIR DETAIL**  
 1 1/2" = 1'-0"



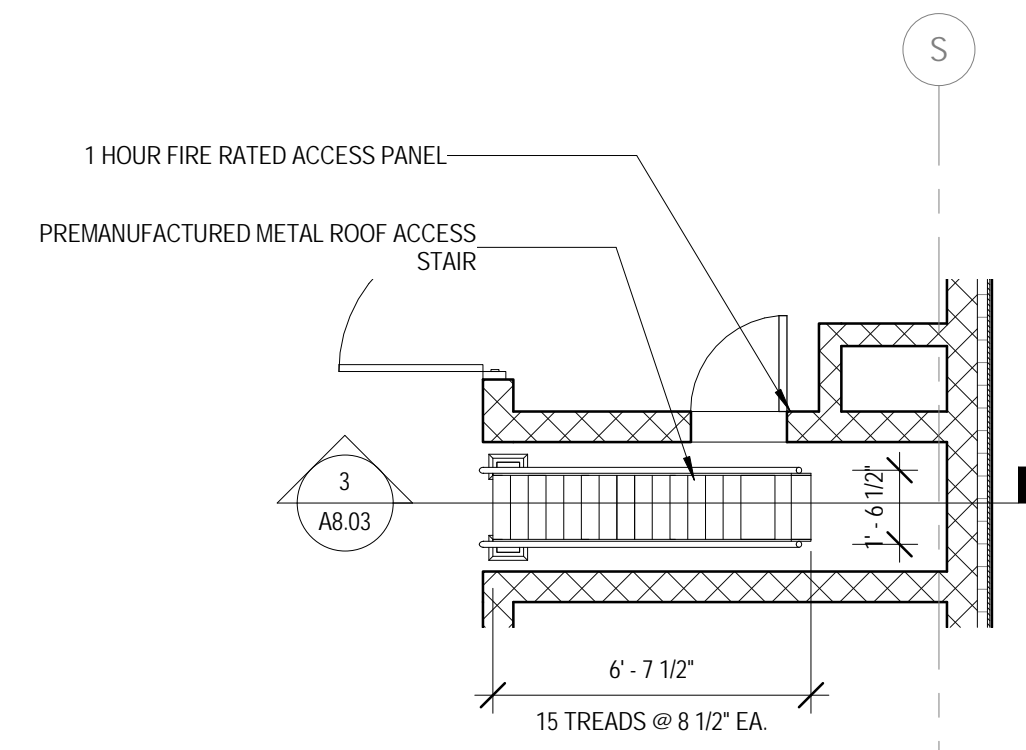


ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

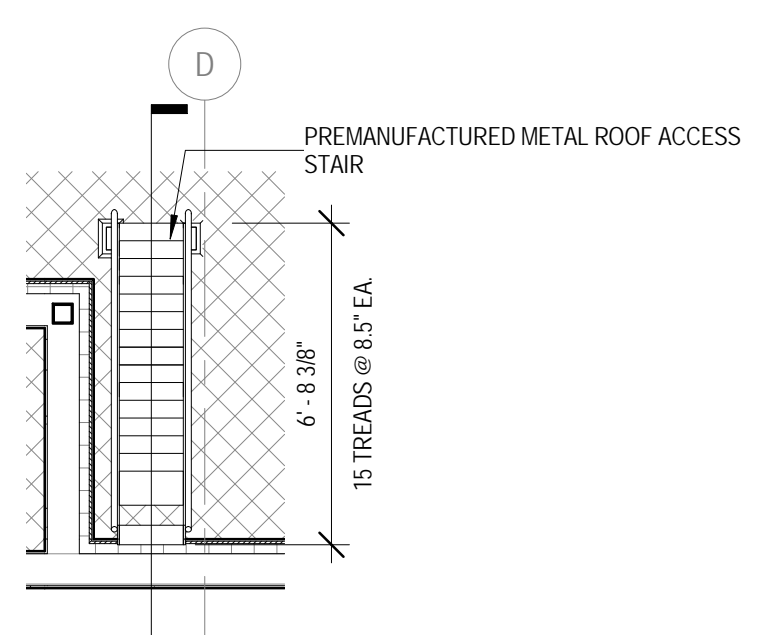
STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

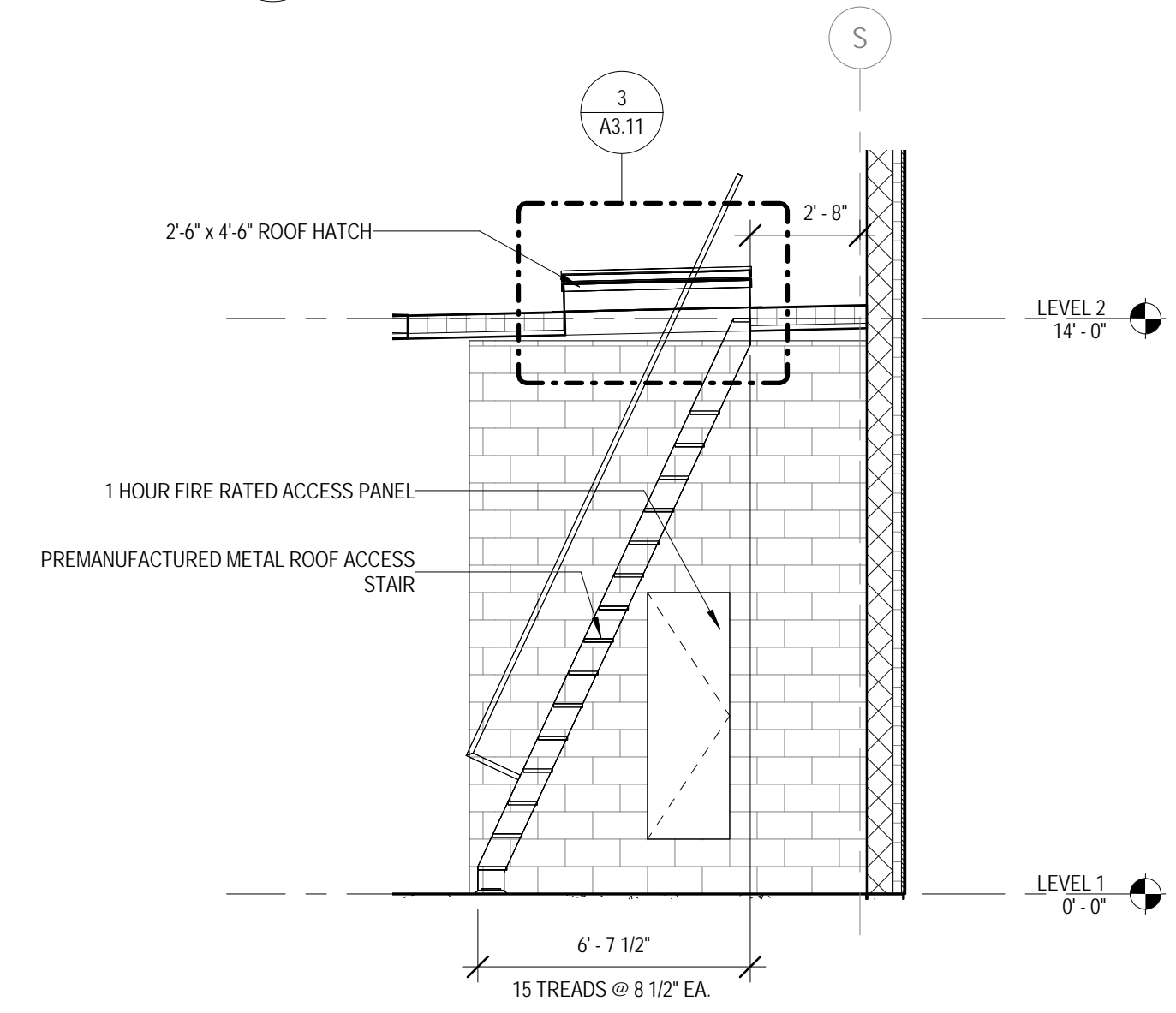
**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



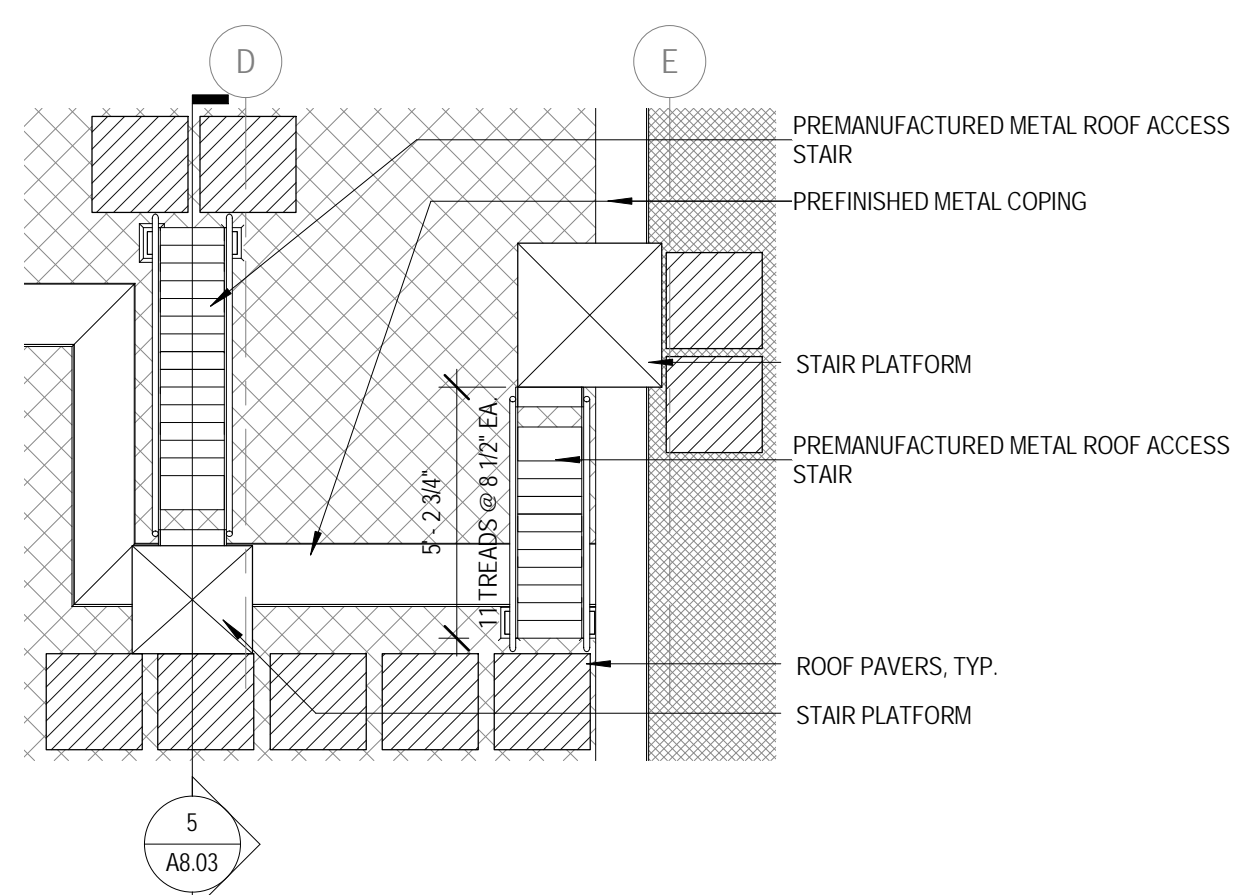
**1 ROOF ACCESS STAIR A - LEVEL ONE**  
 1/4" = 1'-0"



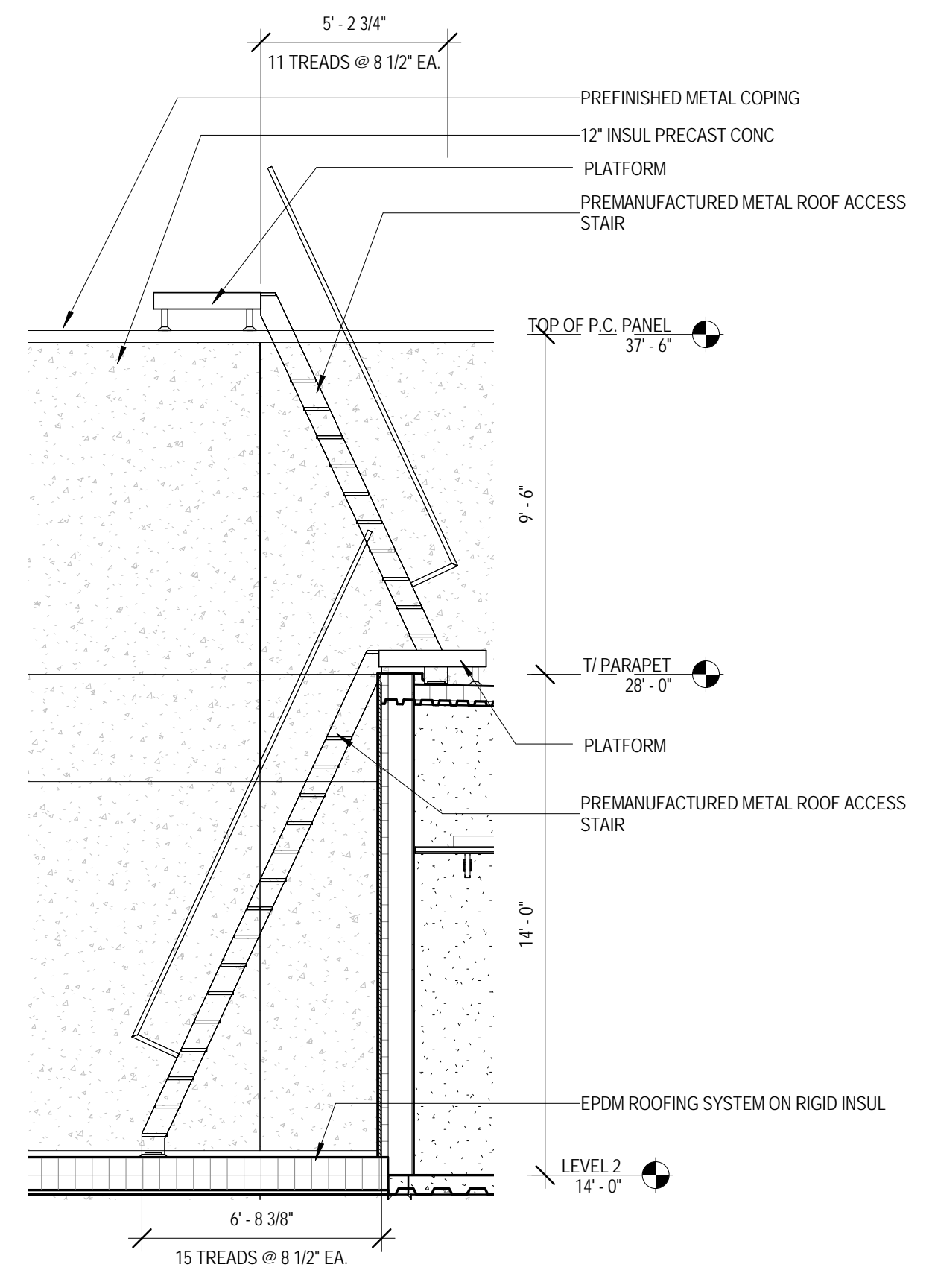
**2 ROOF ACCESS STAIR B - LEVEL TWO**  
 1/4" = 1'-0"



**3 STAIR SECTION - ROOF ACCESS STAIR A**  
 1/4" = 1'-0"



**4 ROOF ACCESS STAIR B - HIGH ROOF**  
 1/4" = 1'-0"



**5 STAIR SECTION - ROOF ACCESS STAIR B**  
 1/4" = 1'-0"

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

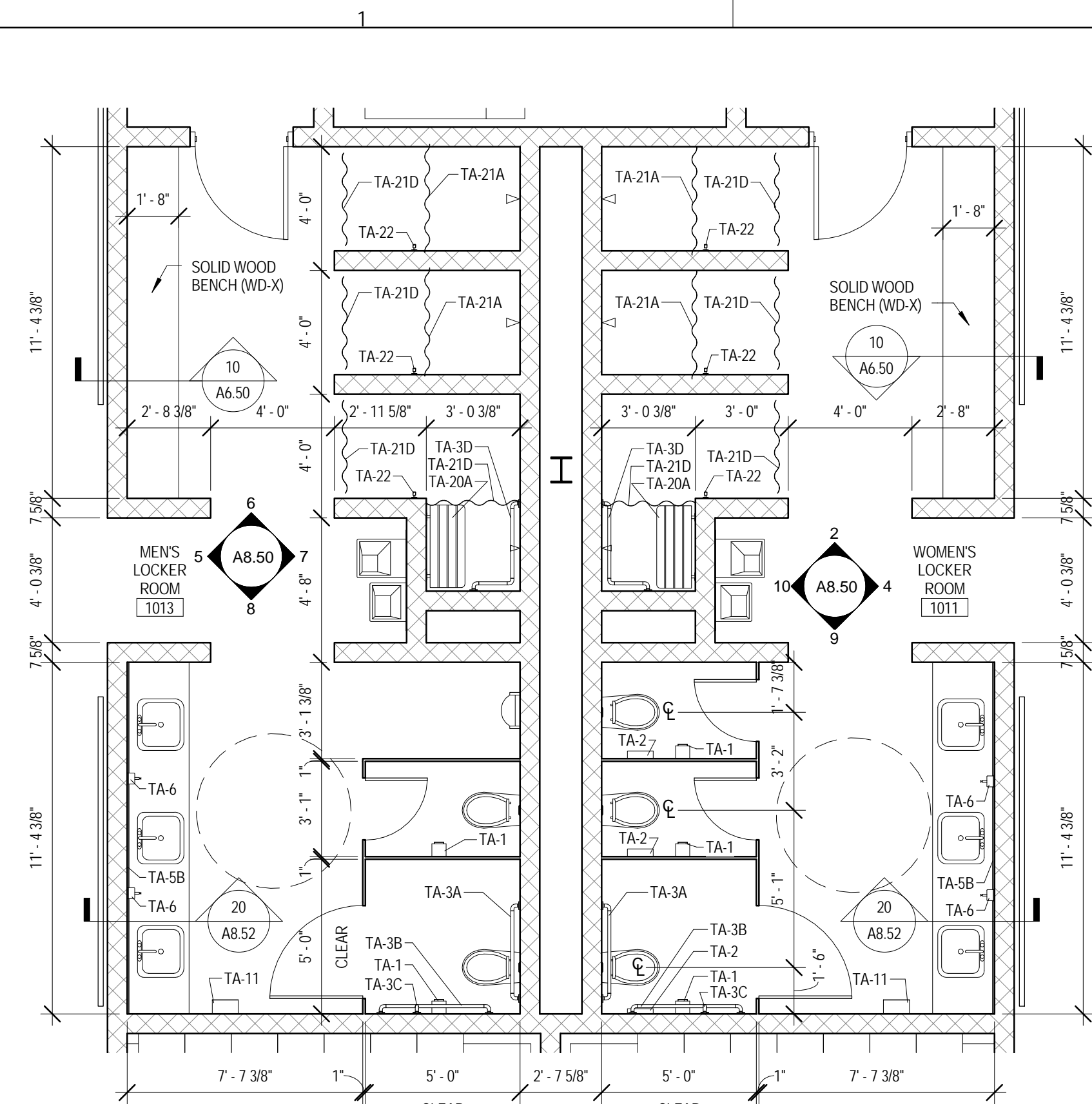
NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ENLARGED STAIR  
 PLANS AND  
 SECTIONS**

SHEET NUMBER:

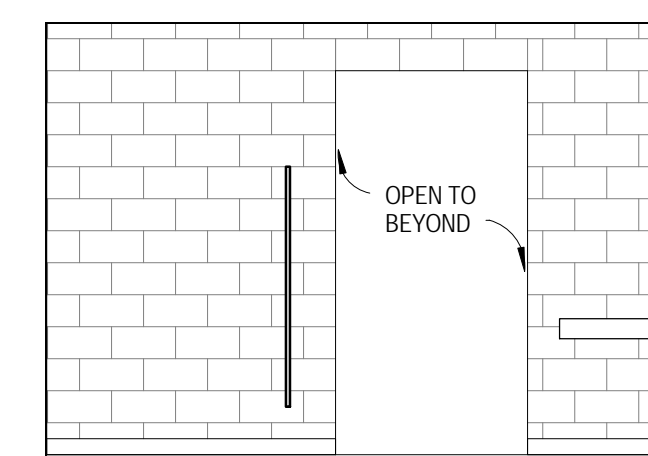
**A8.03**

NO.	DESCRIPTION:	DATE:



**1 ENLARGED PLAN - LEVEL 1 LOCKER ROOM**  
 1/4" = 1'-0"

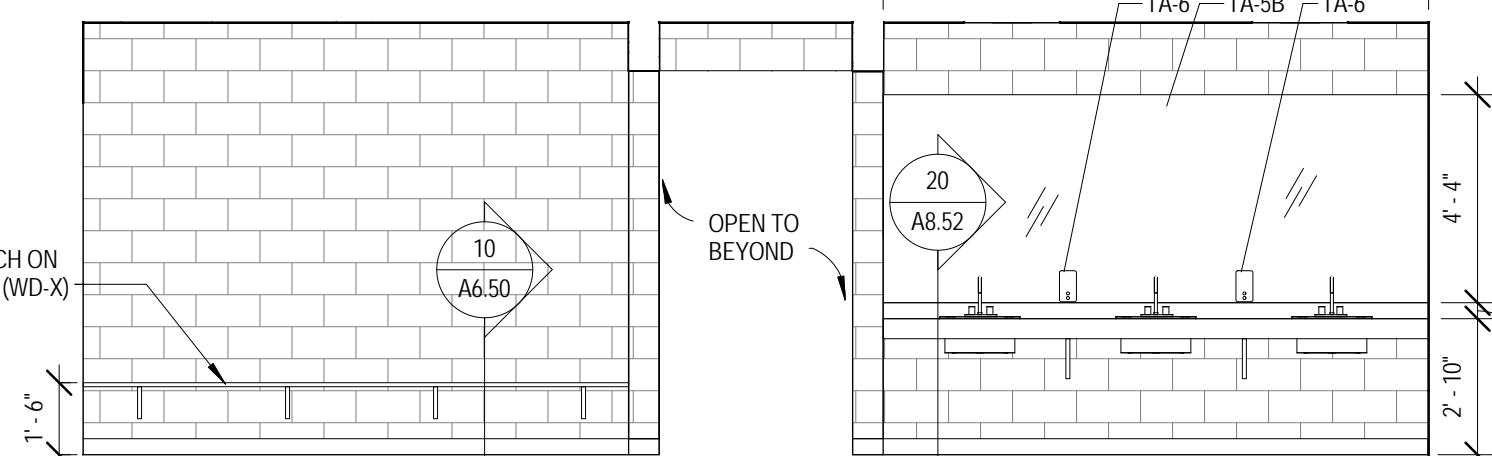
**6 LOCKER ROOM ELEVATION - MEN'S 1013 NORTH**  
 1/4" = 1'-0"



**2 LOCKER ROOM ELEVATION - WOMEN'S 1011 NORTH**  
 1/4" = 1'-0"



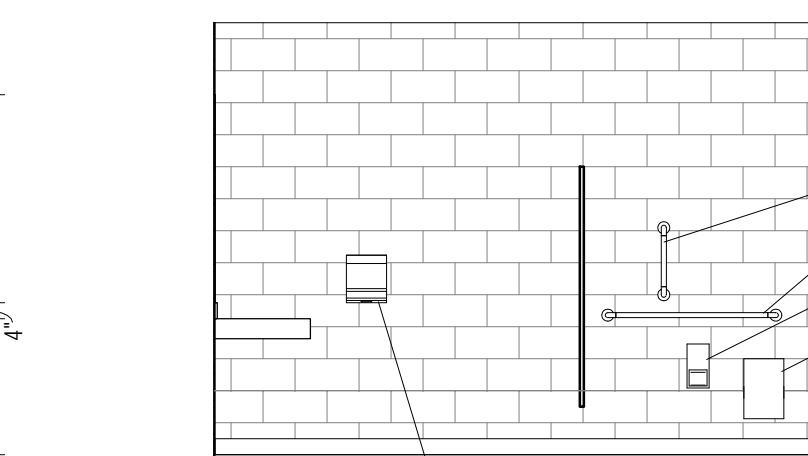
**7 LOCKER ROOM ELEVATION - MEN'S 1013 EAST**  
 1/4" = 1'-0"



**4 LOCKER ROOM ELEVATION - WOMEN'S 1011 EAST**  
 1/4" = 1'-0"



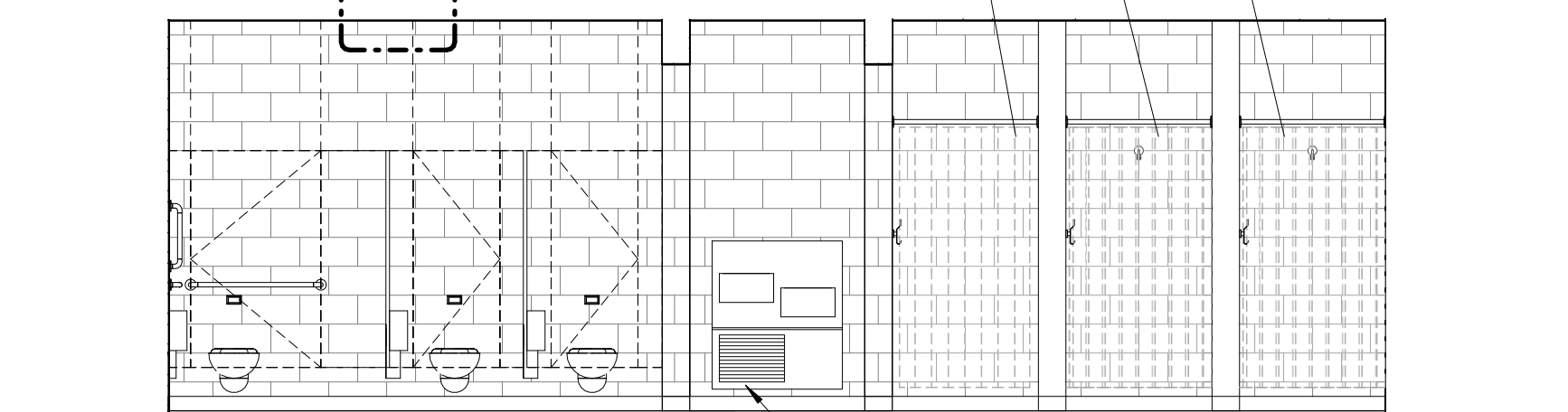
**8 LOCKER ROOM ELEVATION - MEN'S 1013 SOUTH**  
 1/4" = 1'-0"



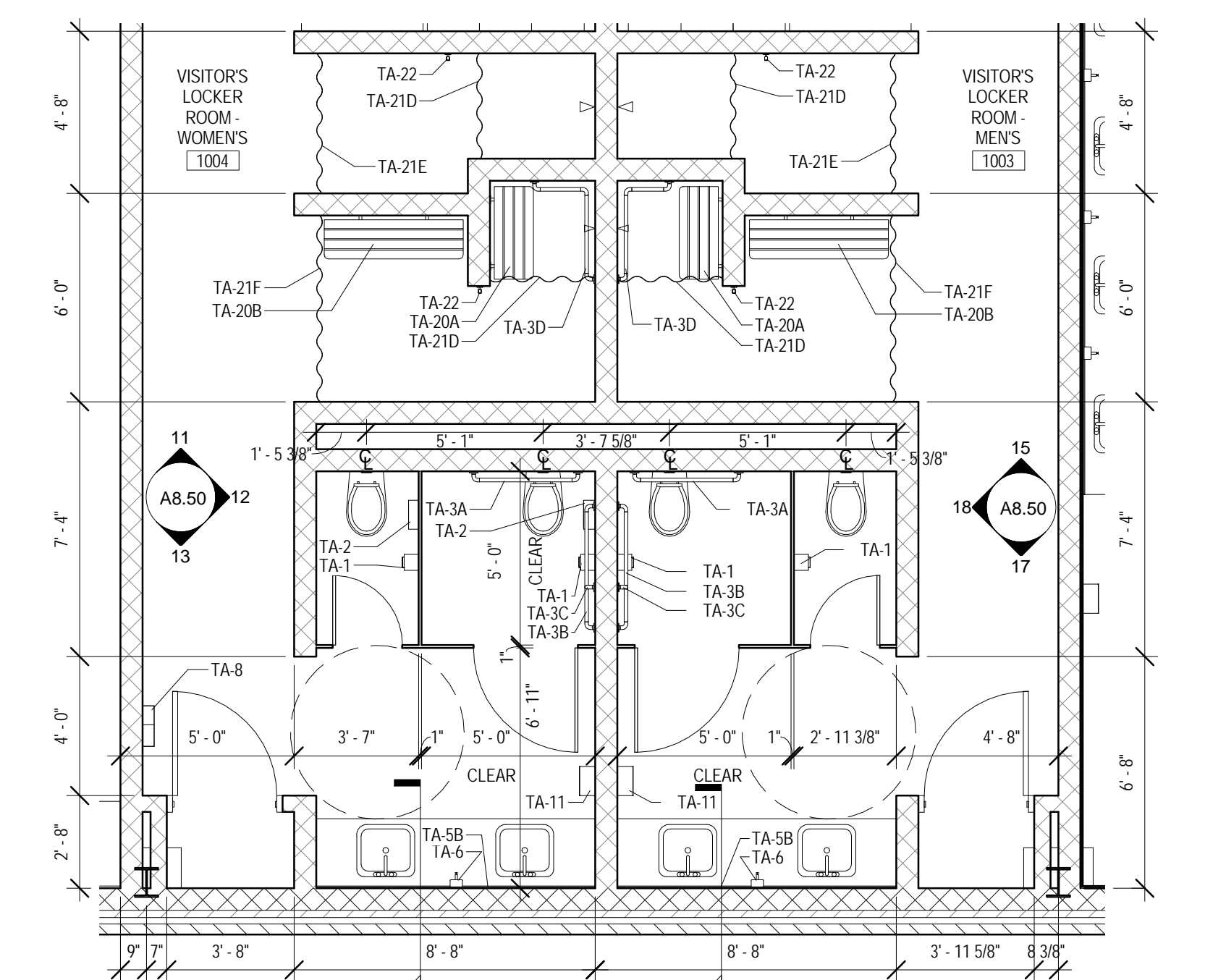
**9 LOCKER ROOM ELEVATION - WOMEN'S 1011 SOUTH**  
 1/4" = 1'-0"



**5 LOCKER ROOM ELEVATION - MEN'S 1013 WEST**  
 1/4" = 1'-0"

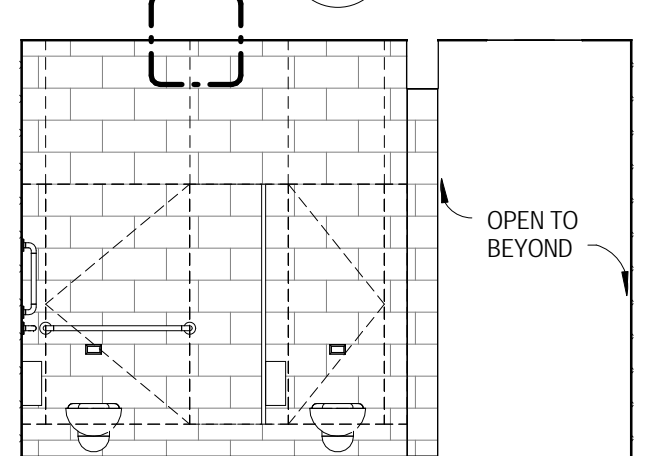


**10 LOCKER ROOM ELEVATION - WOMEN'S 1011 WEST**  
 1/4" = 1'-0"

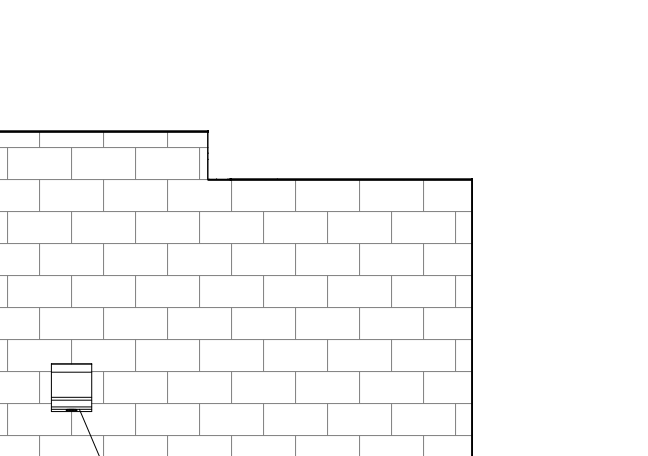


**3 ENLARGED PLAN - LEVEL 1 VISITORS LOCKER ROOM**  
 1/4" = 1'-0"

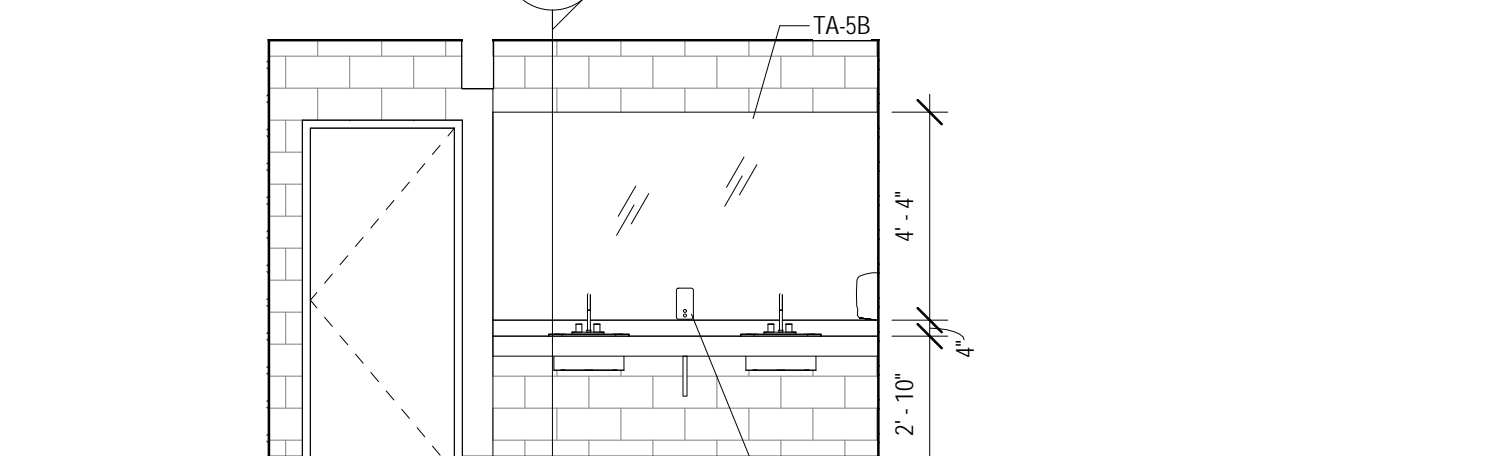
**11 LOCKER ROOM ELEVATION - VISITOR'S 1004 NORTH**  
 1/4" = 1'-0"



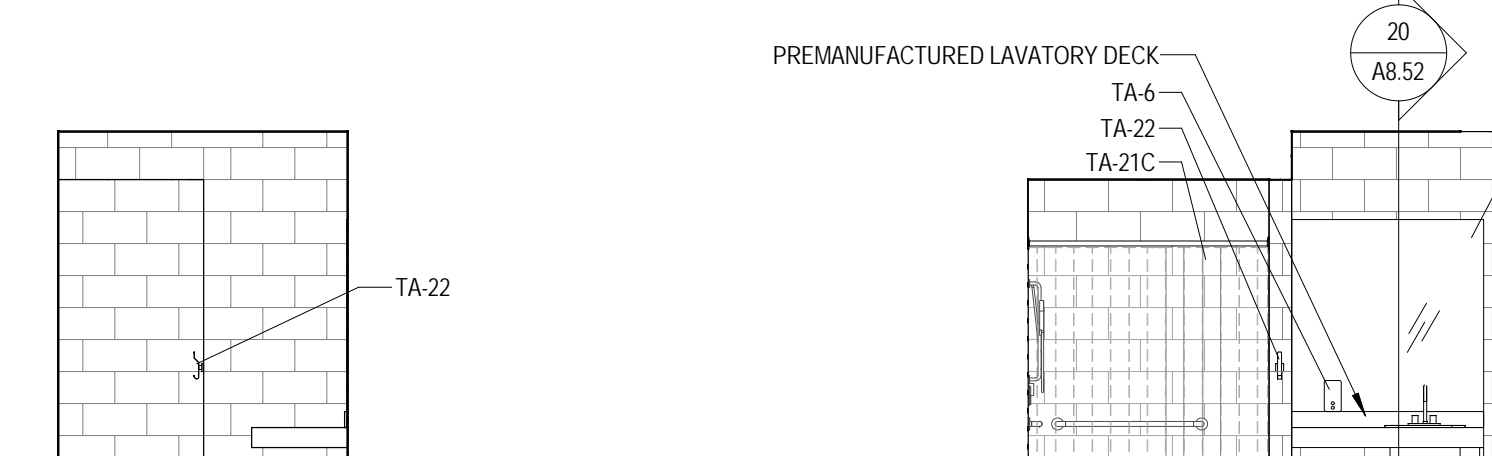
**15 LOCKER ROOM ELEVATION - VISITOR'S 1003 NORTH**  
 1/4" = 1'-0"



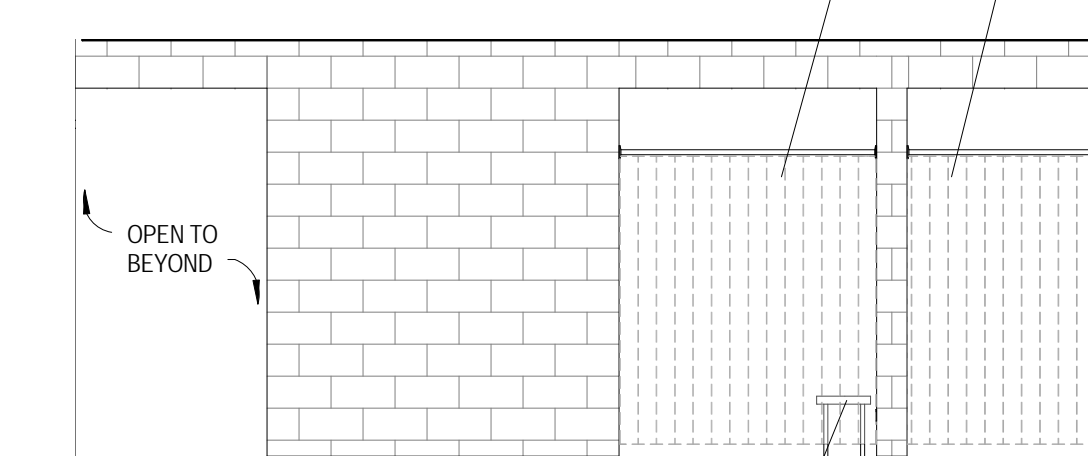
**12 LOCKER ROOM ELEVATION - VISITOR'S 1004 EAST**  
 1/4" = 1'-0"



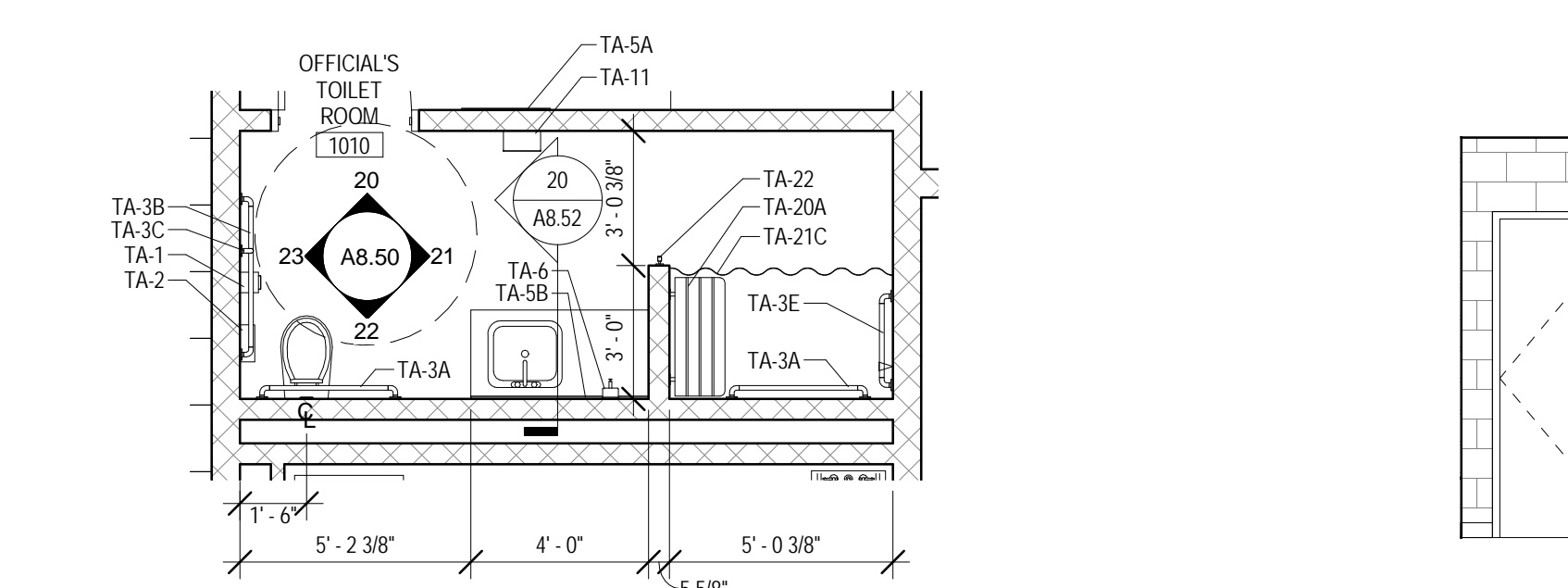
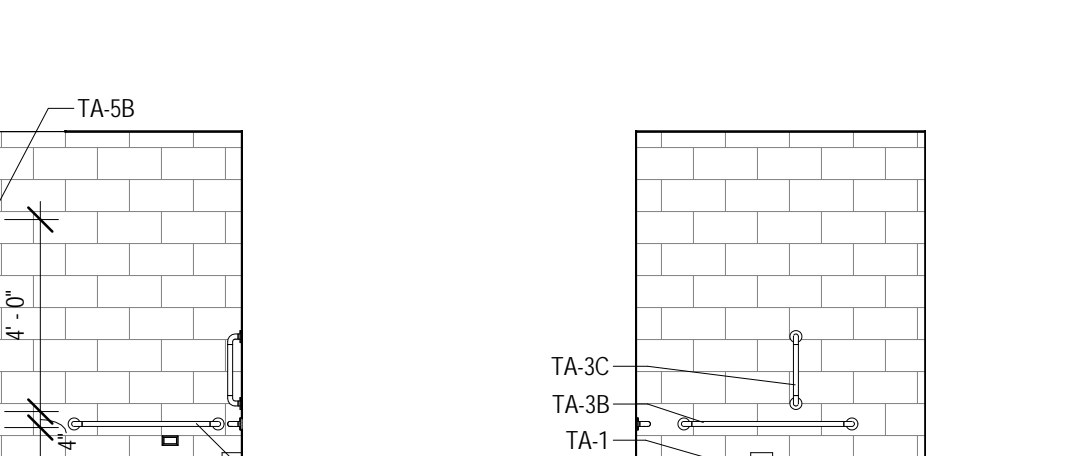
**17 LOCKER ROOM ELEVATION - VISITOR'S 1003 SOUTH**  
 1/4" = 1'-0"



**13 LOCKER ROOM ELEVATION - VISITOR'S 1004 SOUTH**  
 1/4" = 1'-0"

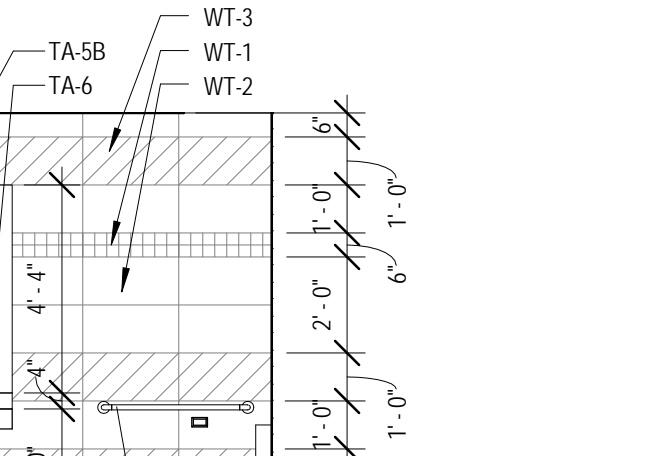


**18 LOCKER ROOM ELEVATION - VISITOR'S 1003 WEST**  
 1/4" = 1'-0"

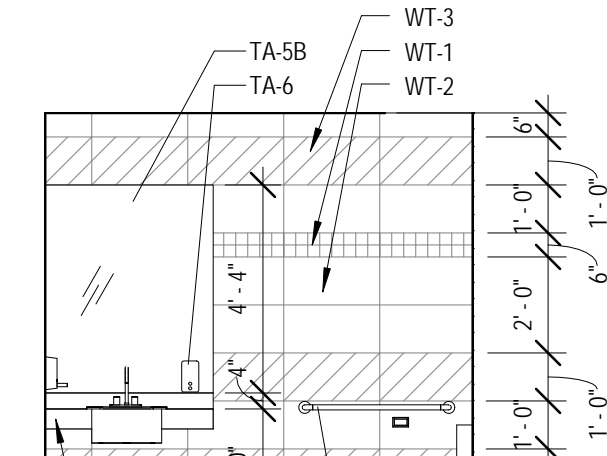


**19 ENLARGED PLAN - LEVEL 1 OFFICIALS LOCKER ROOM**  
 1/4" = 1'-0"

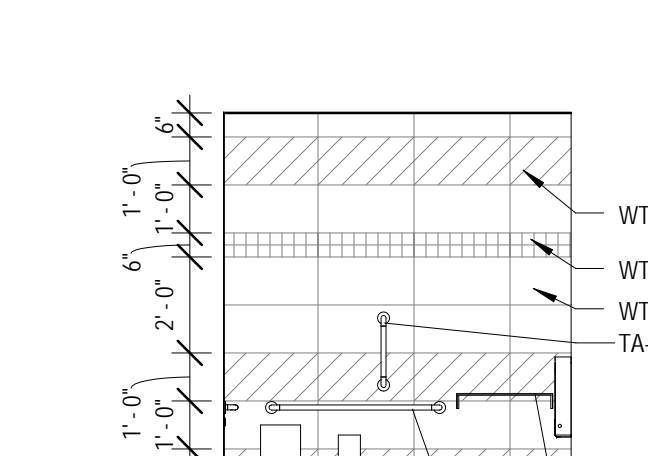
**20 LOCKER ROOM ELEVATION - OFFICIALS 1010 NORTH**  
 1/4" = 1'-0"



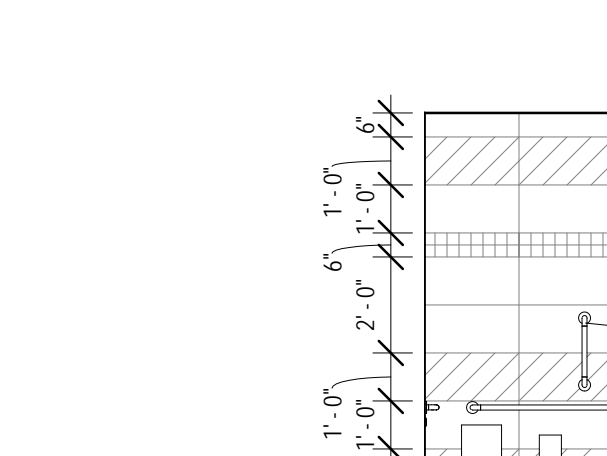
**16 TOILET ROOM ELEVATION - FAMILY 1107 NORTH**  
 1/4" = 1'-0"



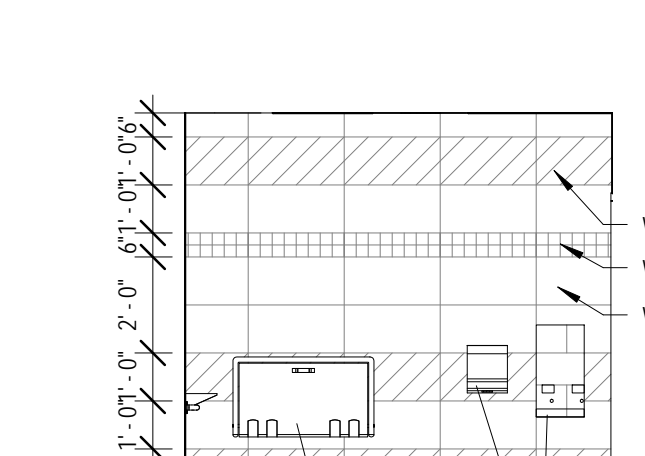
**21 LOCKER ROOM ELEVATION - OFFICIALS 1010 EAST**  
 1/4" = 1'-0"



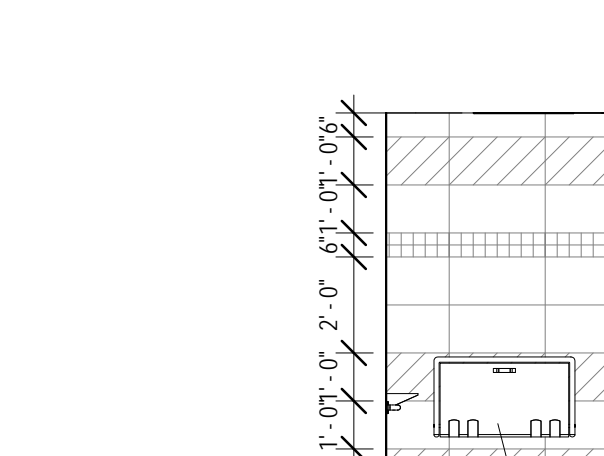
**14 TOILET ROOM ELEVATION - FAMILY 1107 EAST**  
 1/4" = 1'-0"



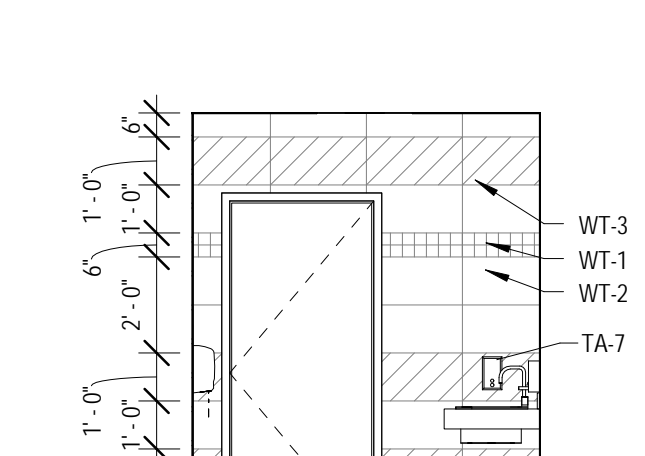
**22 LOCKER ROOM ELEVATION - OFFICIALS 1010 SOUTH**  
 1/4" = 1'-0"



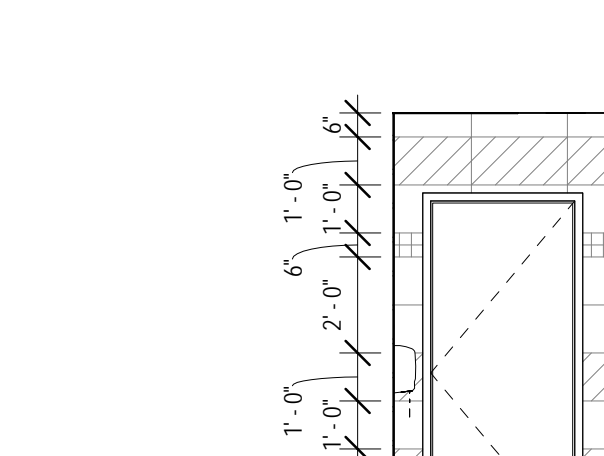
**25 TOILET ROOM ELEVATION - FAMILY 1107 SOUTH**  
 1/4" = 1'-0"



**23 LOCKER ROOM ELEVATION - OFFICIALS 1010 WEST**  
 1/4" = 1'-0"



**26 TOILET ROOM ELEVATION - FAMILY 1107 WEST**  
 1/4" = 1'-0"



TOILET ACCESSORIES LEGEND	
MARK	DESCRIPTION
TA-1	TOILET PAPER DISPENSER (OFC)
TA-2	SANITARY NAPKIN DISPOSAL
TA-3A	36" GRAB BAR
TA-3B	42" GRAB BAR
TA-3C	18" GRAB BAR
TA-3D	L SHAPED GRAB BAR
TA-3E	24" GRAB BAR
TA-5A	WALL MOUNTED RECT. MIRROR 24"W X 72"H
TA-5B	CONTINUOUS FRAMELESS WALL MOUNTED MIRROR
TA-5C	WALL MOUNTED RECT. MIRROR 36"W X 72"H
TA-6	WALL MOUNTED SOAP DISPENSER (OFC)
TA-7	WALL MOUNTED HAND SANITIZER DISPENSER (OFC)
TA-8	WALL MOUNTED SANITARY NAPKIN DISPENSER (OFC)
TA-9	WALL MOUNTED STAINLESS STEEL SHELF
TA-10	WALL MOUNTED BABY CHANGING STATION
TA-11	WALL MOUNTED AUTOMATIC HAND DRYER
TA-20A	FOLDING SHOWER SEAT
TA-20B	FOLDING DRESSING ROOM SEAT
TA-21A	40" CURTAIN & ROD
TA-21C	60" CURTAIN & ROD
TA-21D	36" CURTAIN & ROD
TA-21E	48" CURTAIN & ROD
TA-21F	64" CURTAIN & ROD
TA-22	TOWEL HOOK

SEE A8.52 FOR TOILET ROOM MOUNTING HEIGHTS



**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

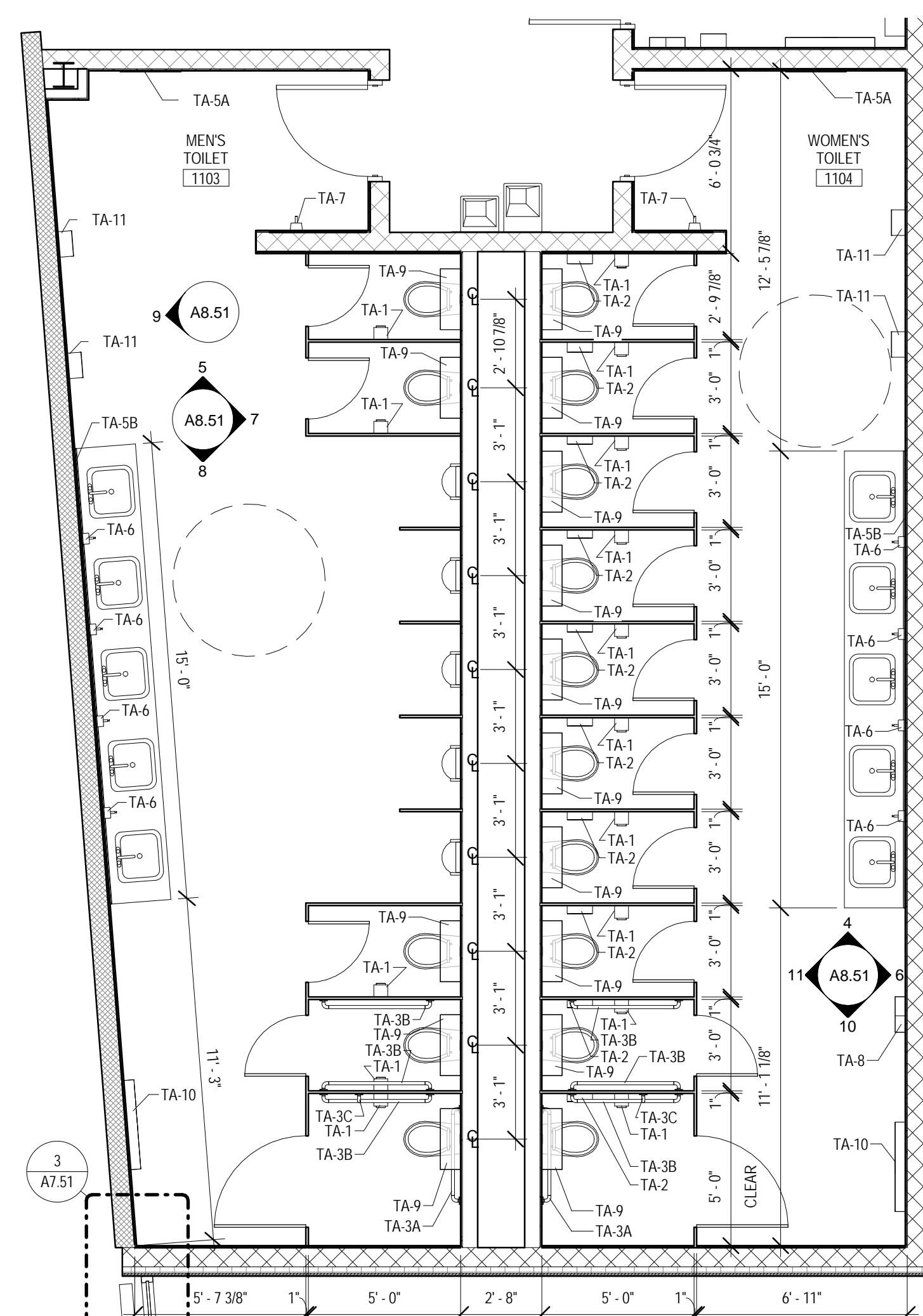
KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

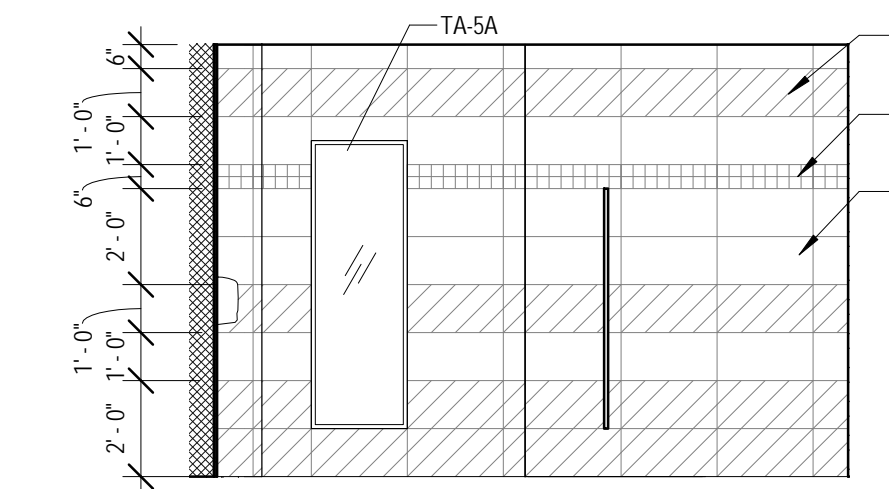
NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ENLARGED TOILET  
 PLANS AND  
 ELEVATIONS**

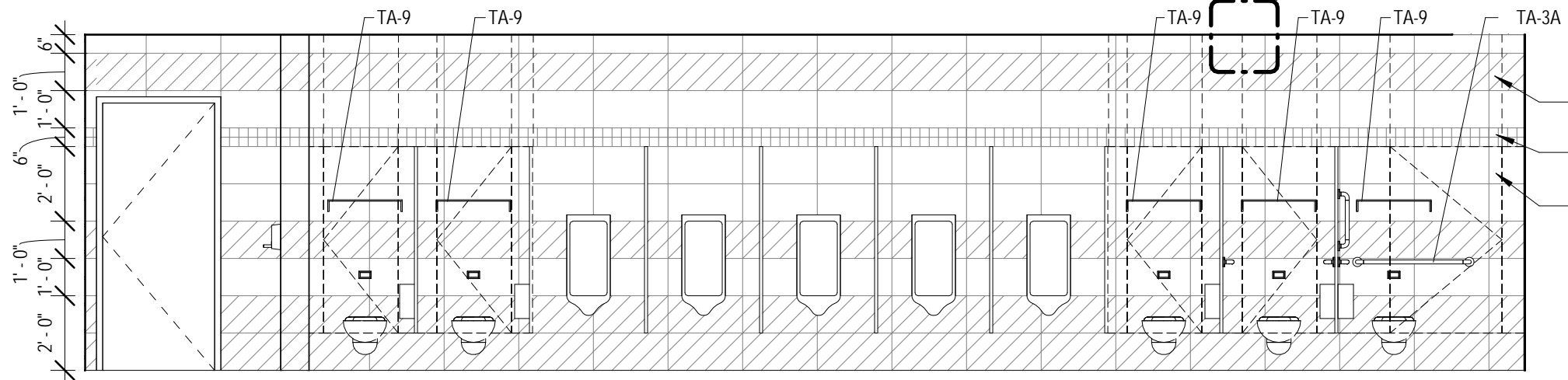
SHEET NUMBER:  
**A8.51**



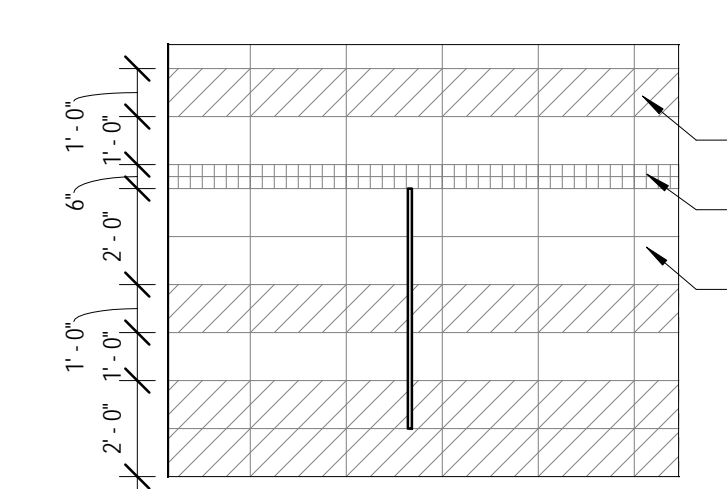
**1 ENLARGED PLAN - LEVEL 1 TOILETS NORTH**  
 1/4" = 1'-0"



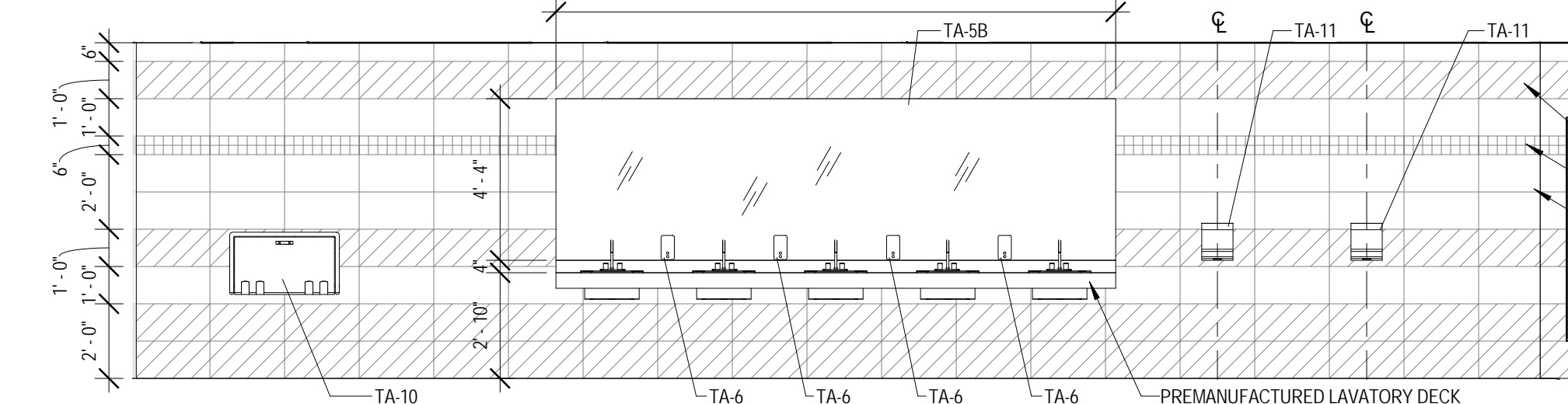
**5 TOILET ROOM ELEVATION - MEN'S 1103 NORTH**  
 1/4" = 1'-0"



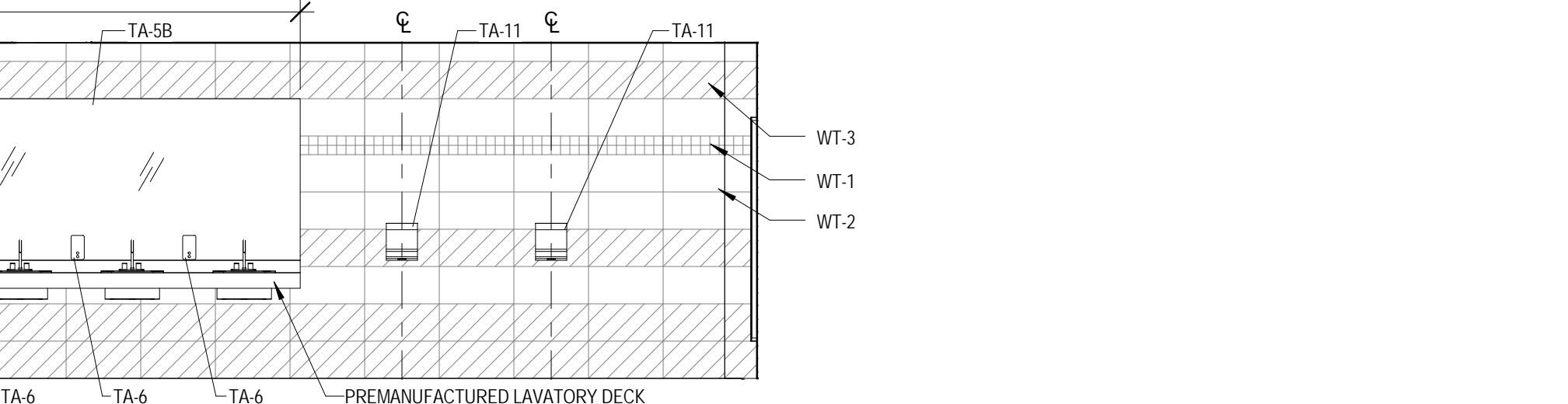
**7 TOILET ROOM ELEVATION - MEN'S 1103 EAST**  
 1/4" = 1'-0"



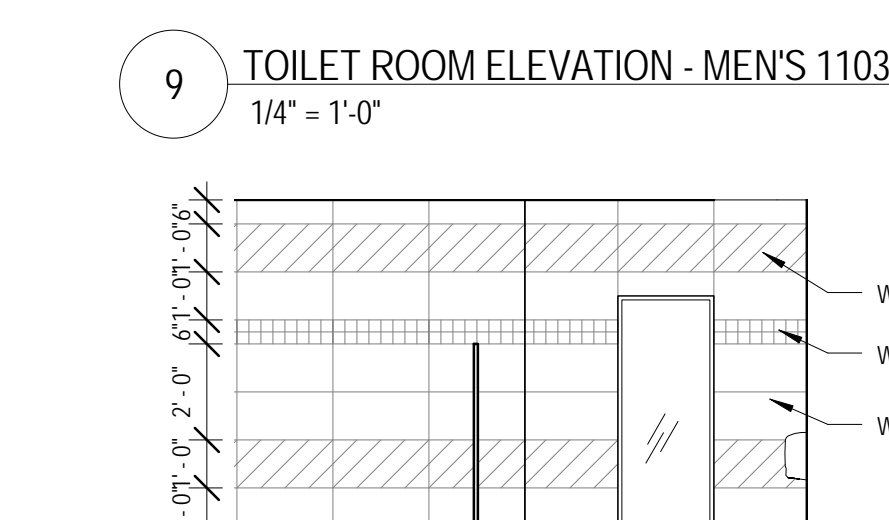
**8 TOILET ROOM ELEVATION - MEN'S 1103 SOUTH**  
 1/4" = 1'-0"



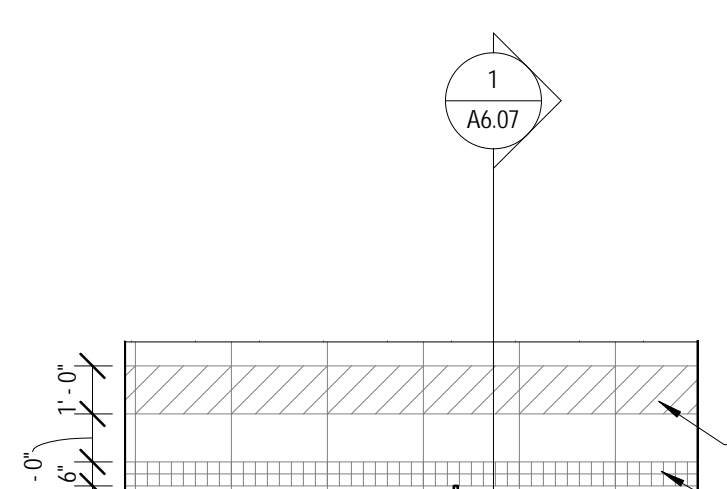
**9 TOILET ROOM ELEVATION - MEN'S 1103 WEST**  
 1/4" = 1'-0"



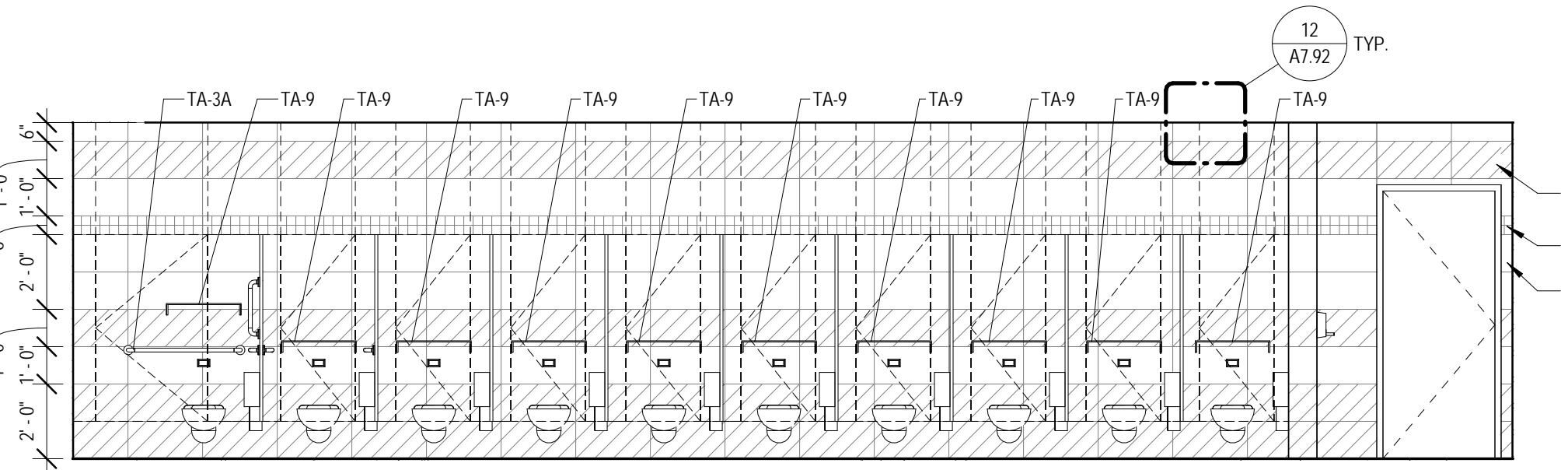
**6 TOILET ROOM ELEVATION - WOMEN'S 1104 EAST**  
 1/4" = 1'-0"



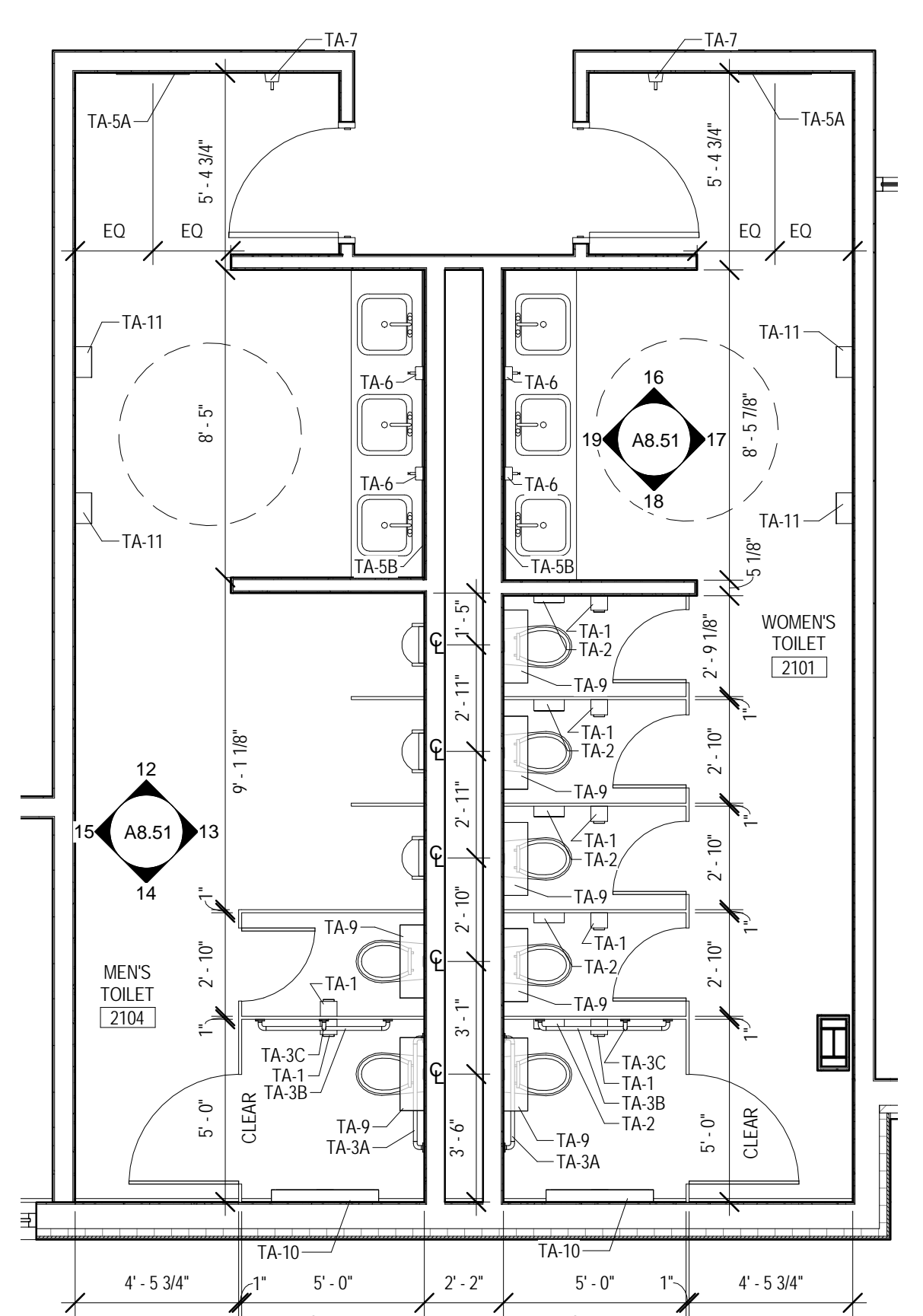
**4 TOILET ROOM ELEVATION - WOMEN'S 1104 NORTH**  
 1/4" = 1'-0"



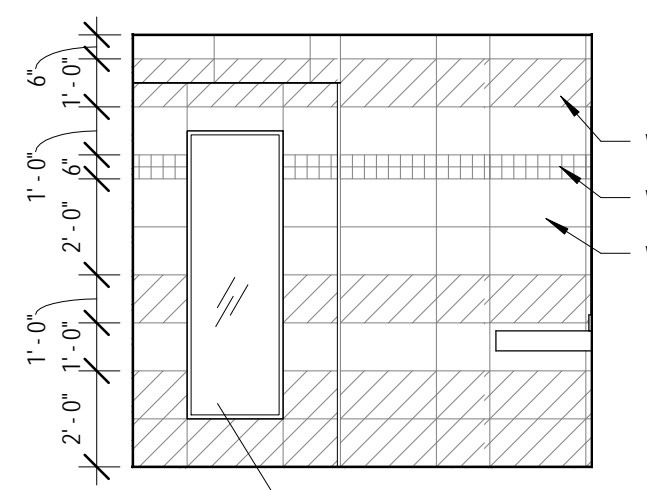
**10 TOILET ROOM ELEVATION - WOMEN'S 1104 SOUTH**  
 1/4" = 1'-0"



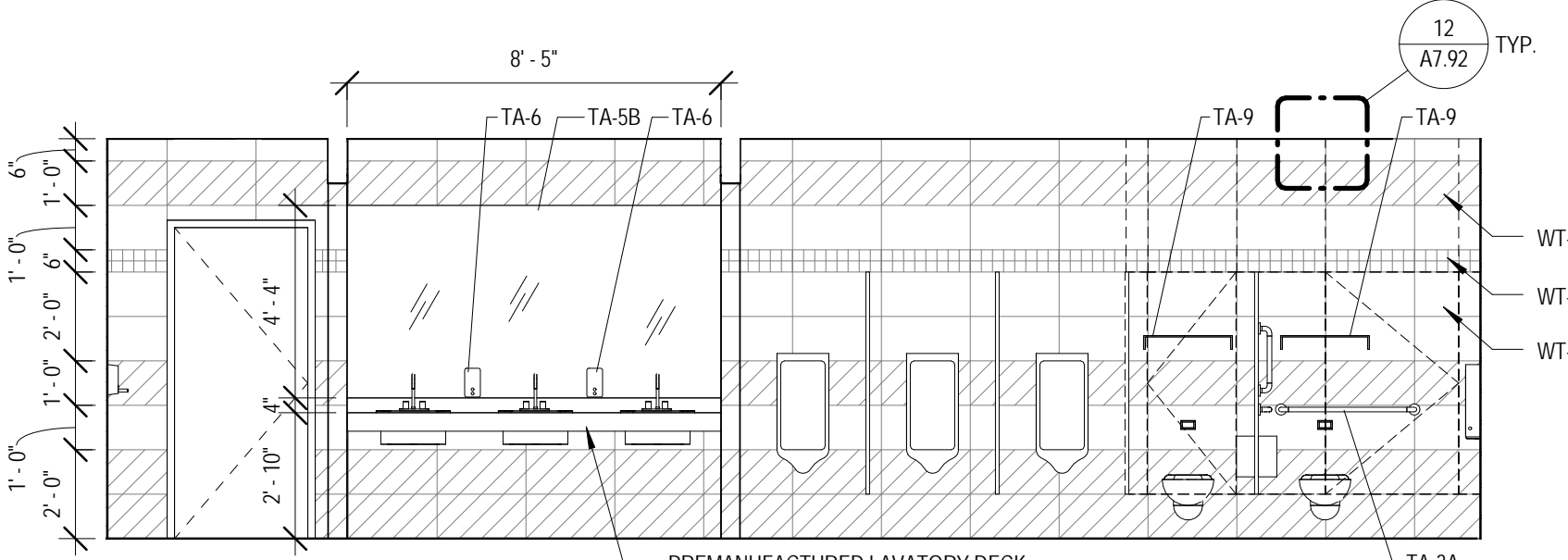
**11 TOILET ROOM ELEVATION - WOMEN'S 1104 WEST**  
 1/4" = 1'-0"



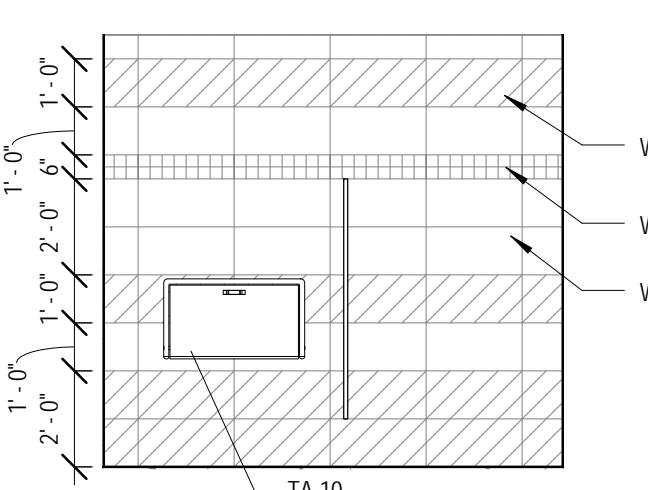
**3 ENLARGED PLAN - LEVEL 2 TOILETS**  
 1/4" = 1'-0"



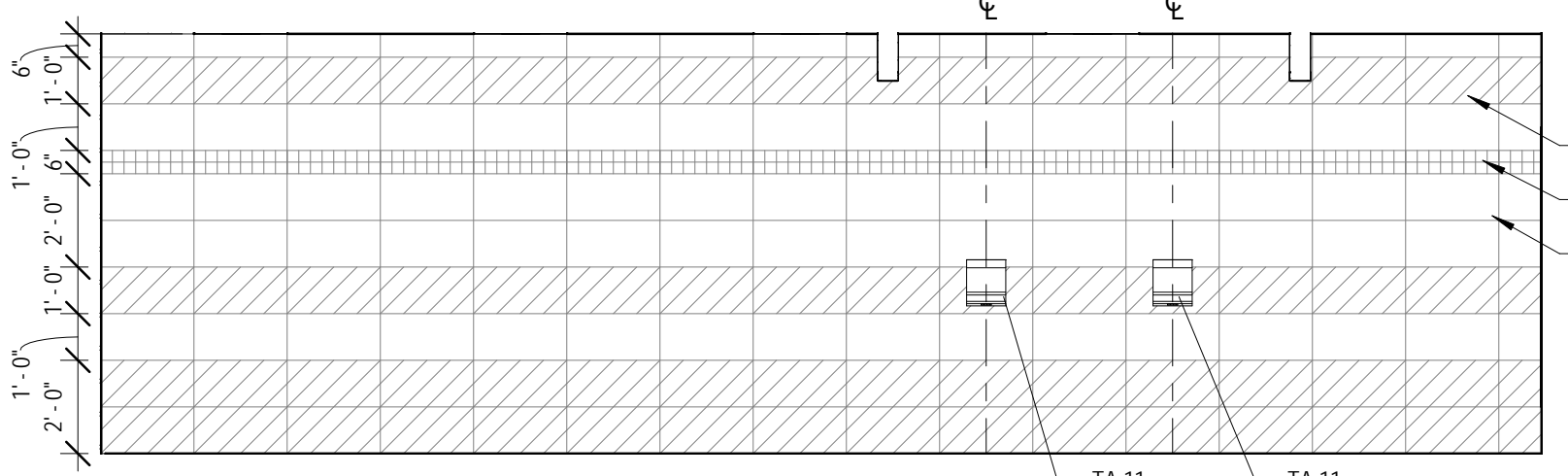
**12 TOILET ROOM ELEVATION - MEN'S 2104 NORTH**  
 1/4" = 1'-0"



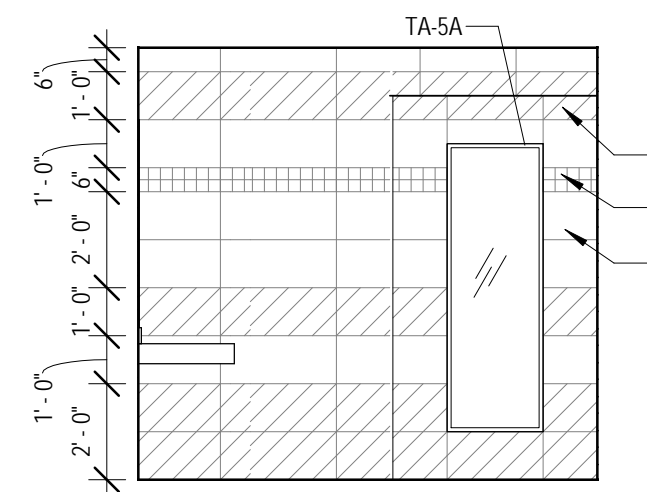
**13 TOILET ROOM ELEVATION - MEN'S 2104 EAST**  
 1/4" = 1'-0"



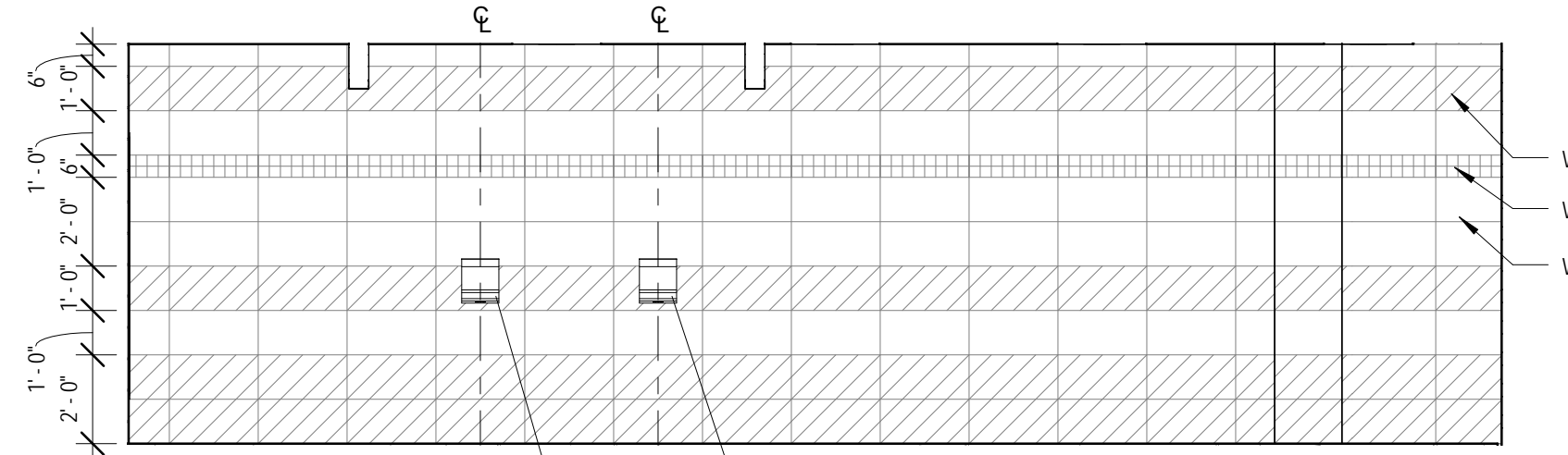
**14 TOILET ROOM ELEVATION - MEN'S 2104 SOUTH**  
 1/4" = 1'-0"



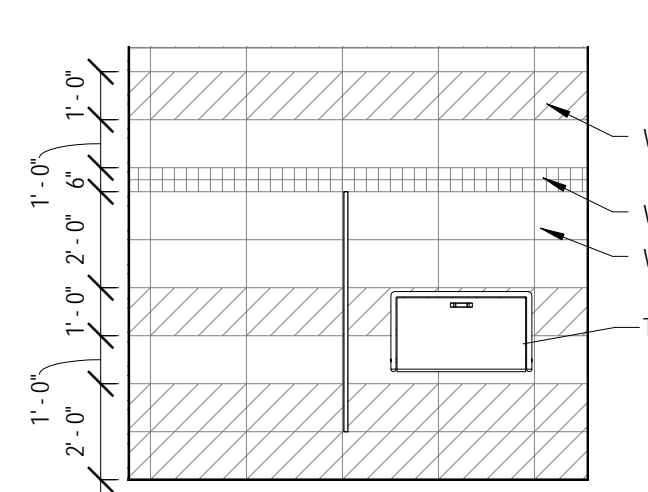
**15 TOILET ROOM ELEVATION - MEN'S 2104 WEST**  
 1/4" = 1'-0"



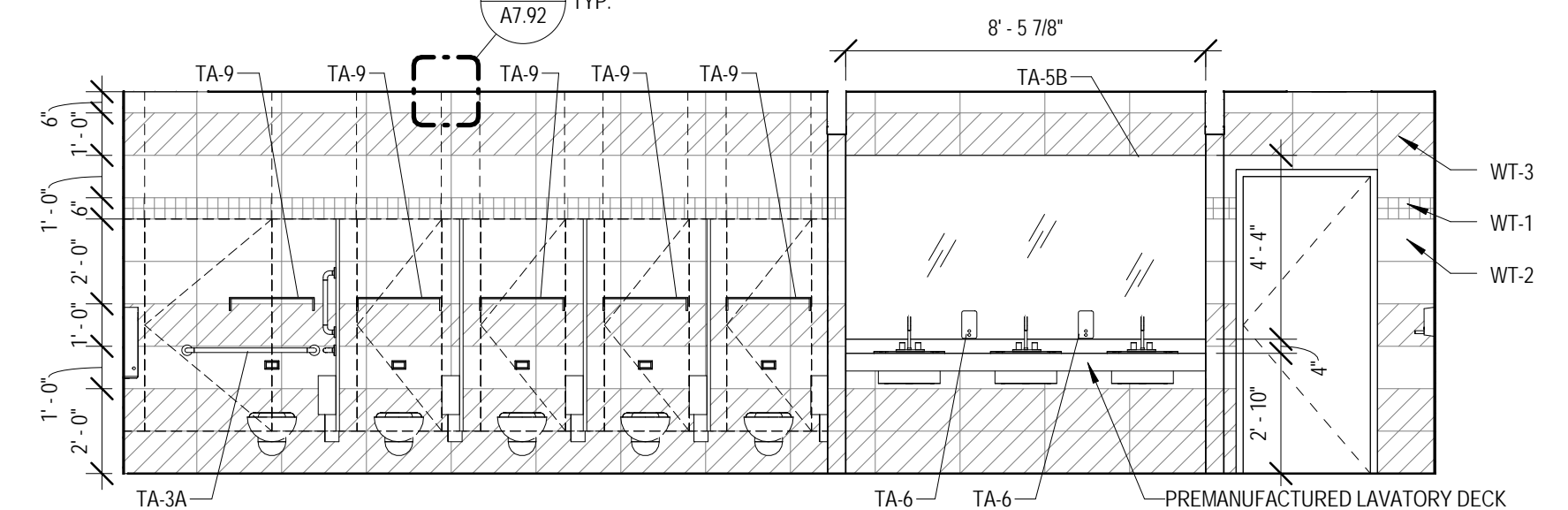
**16 TOILET ROOM ELEVATION - WOMEN'S 2101 NORTH**  
 1/4" = 1'-0"



**17 TOILET ROOM ELEVATION - WOMEN'S 2101 EAST**  
 1/4" = 1'-0"



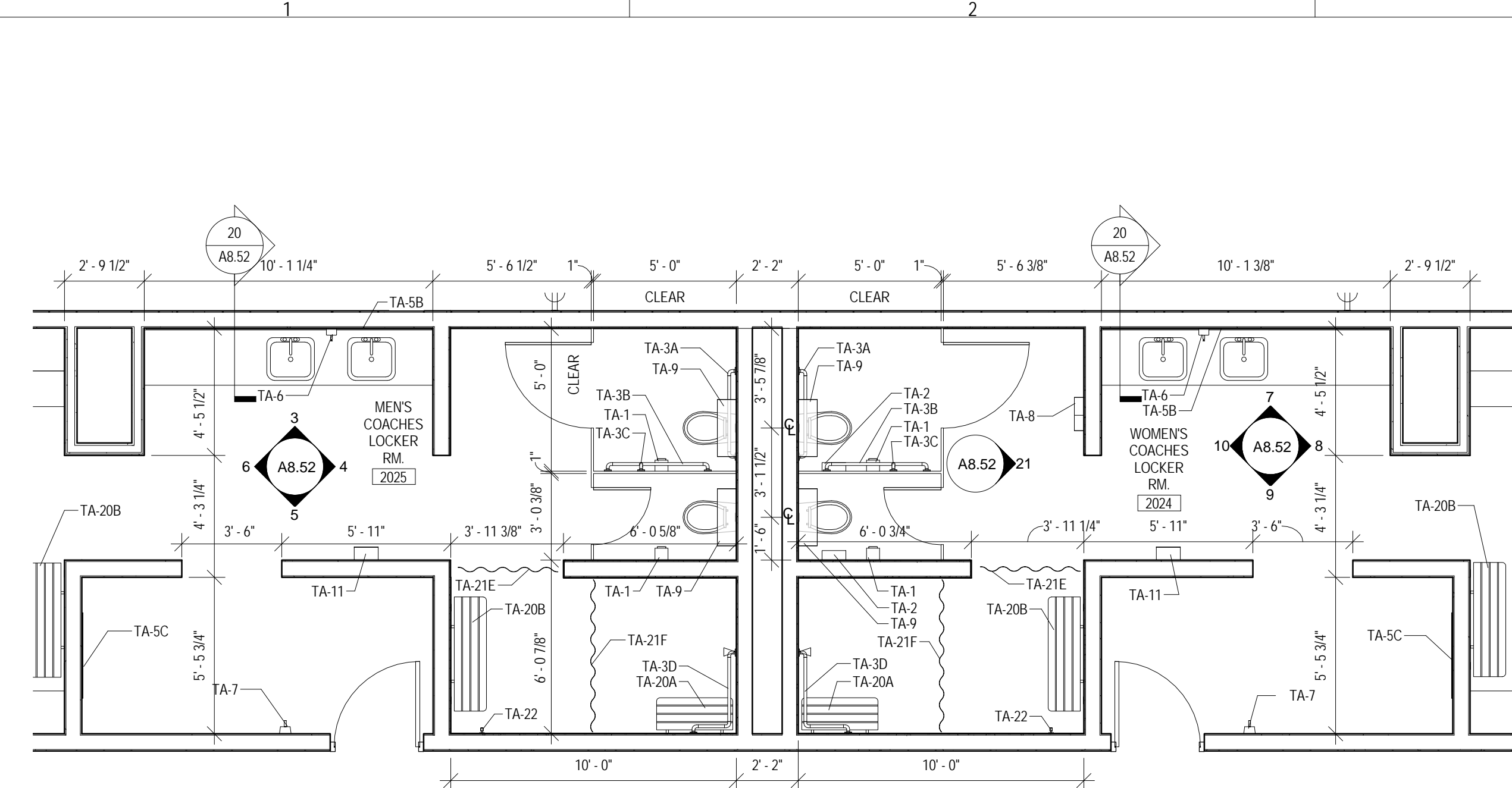
**18 TOILET ROOM ELEVATION - WOMEN'S 2101 SOUTH**  
 1/4" = 1'-0"



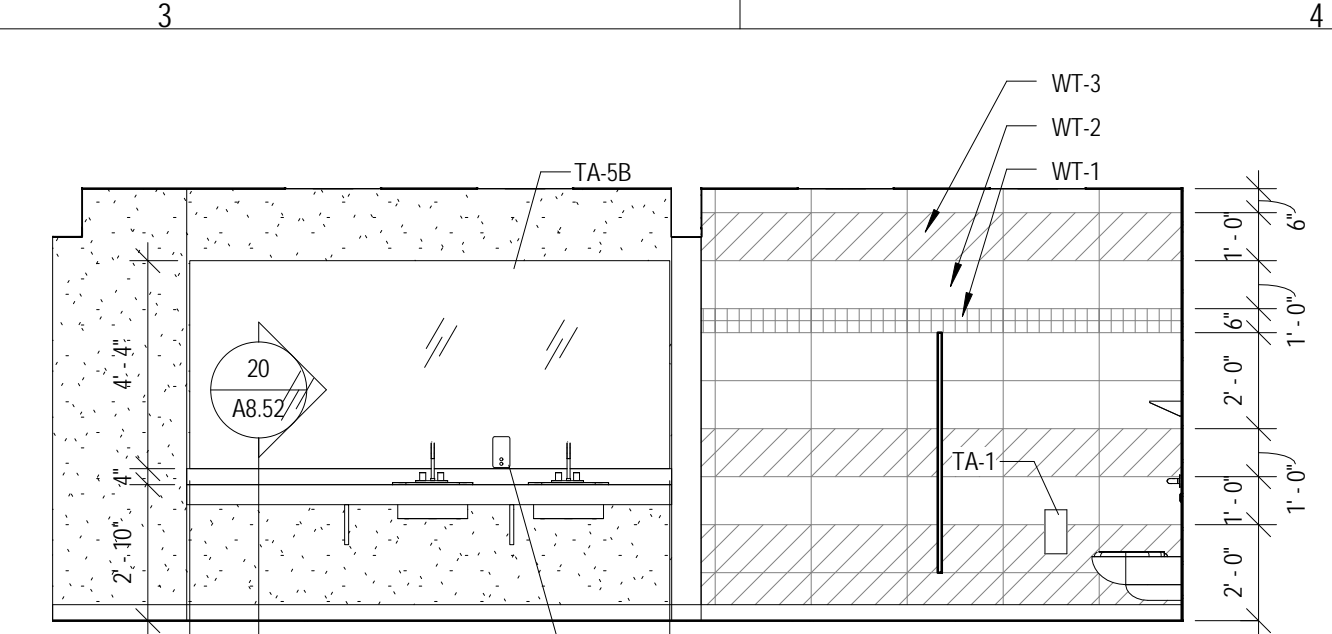
**19 TOILET ROOM ELEVATION - WOMEN'S 2101 WEST**  
 1/4" = 1'-0"

TOILET ACCESSORIES LEGEND	
MARK	DESCRIPTION
TA-1	TOILET PAPER DISPENSER (OFC)
TA-2	SANITARY NAPKIN DISPOSAL
TA-3A	36" GRAB BAR
TA-3B	42" GRAB BAR
TA-3C	18" GRAB BAR
TA-3D	L SHAPED GRAB BAR
TA-3E	24" GRAB BAR
TA-5A	WALL MOUNTED RECT. MIRROR 24"W X 72"H
TA-5B	CONTINUOUS FRAMELESS WALL MOUNTED MIRROR
TA-5C	WALL MOUNTED RECT. MIRROR 36"W X 72"H
TA-6	WALL MOUNTED SOAP DISPENSER (OFC)
TA-7	WALL MOUNTED HAND SANITIZER DISPENSER (OFC)
TA-8	WALL MOUNTED SANITARY NAPKIN DISPENSER (OFC)
TA-9	WALL MOUNTED STAINLESS STEEL SHELF
TA-10	WALL MOUNTED BABY CHANGING STATION
TA-11	WALL MOUNTED AUTOMATIC HAND DRYER
TA-20A	FOLDING SHOWER SEAT
TA-20B	FOLDING DRESSING ROOM SEAT
TA-21A	40" CURTAIN & ROD
TA-21C	60" CURTAIN & ROD
TA-21D	36" CURTAIN & ROD
TA-21E	48" CURTAIN & ROD
TA-21F	64" CURTAIN & ROD
TA-22	TOWEL HOOK

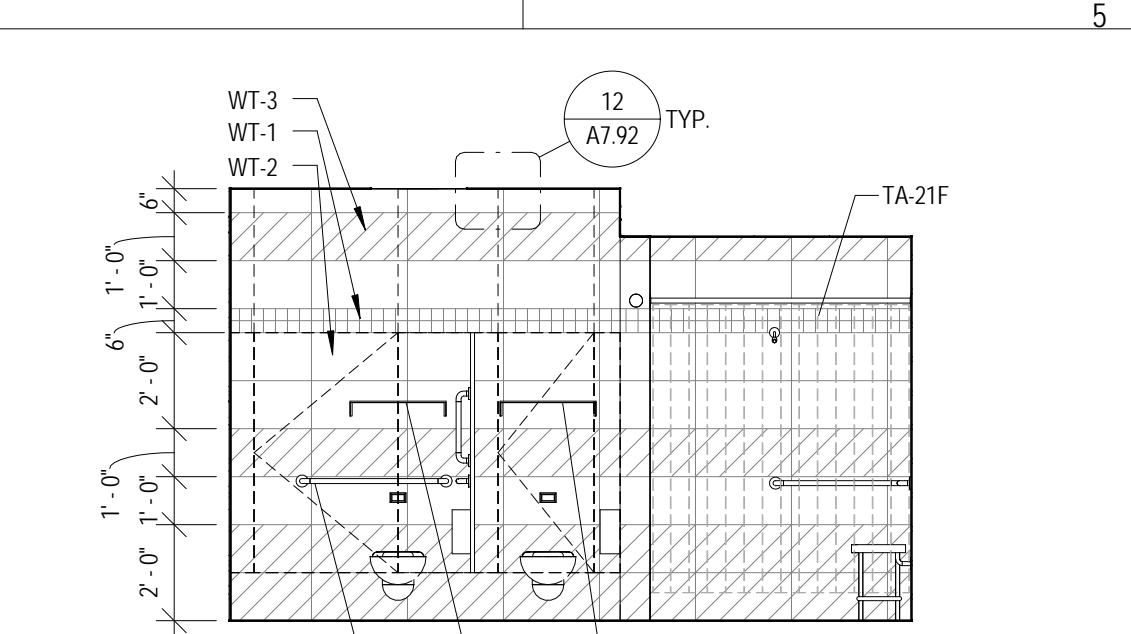
SEE A8.52 FOR TOILET ROOM MOUNTING HEIGHTS LEGEND



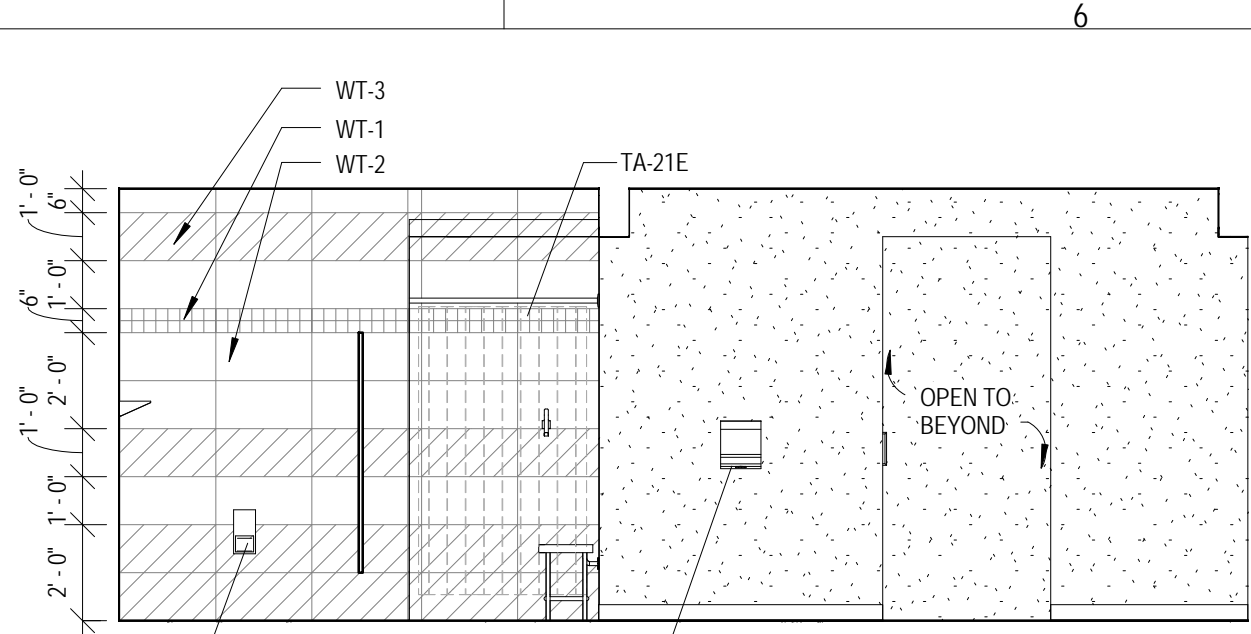
1 ENLARGED PLAN - LEVEL 2 COACHES LOCKER ROOM  
 1/4" = 1'-0"



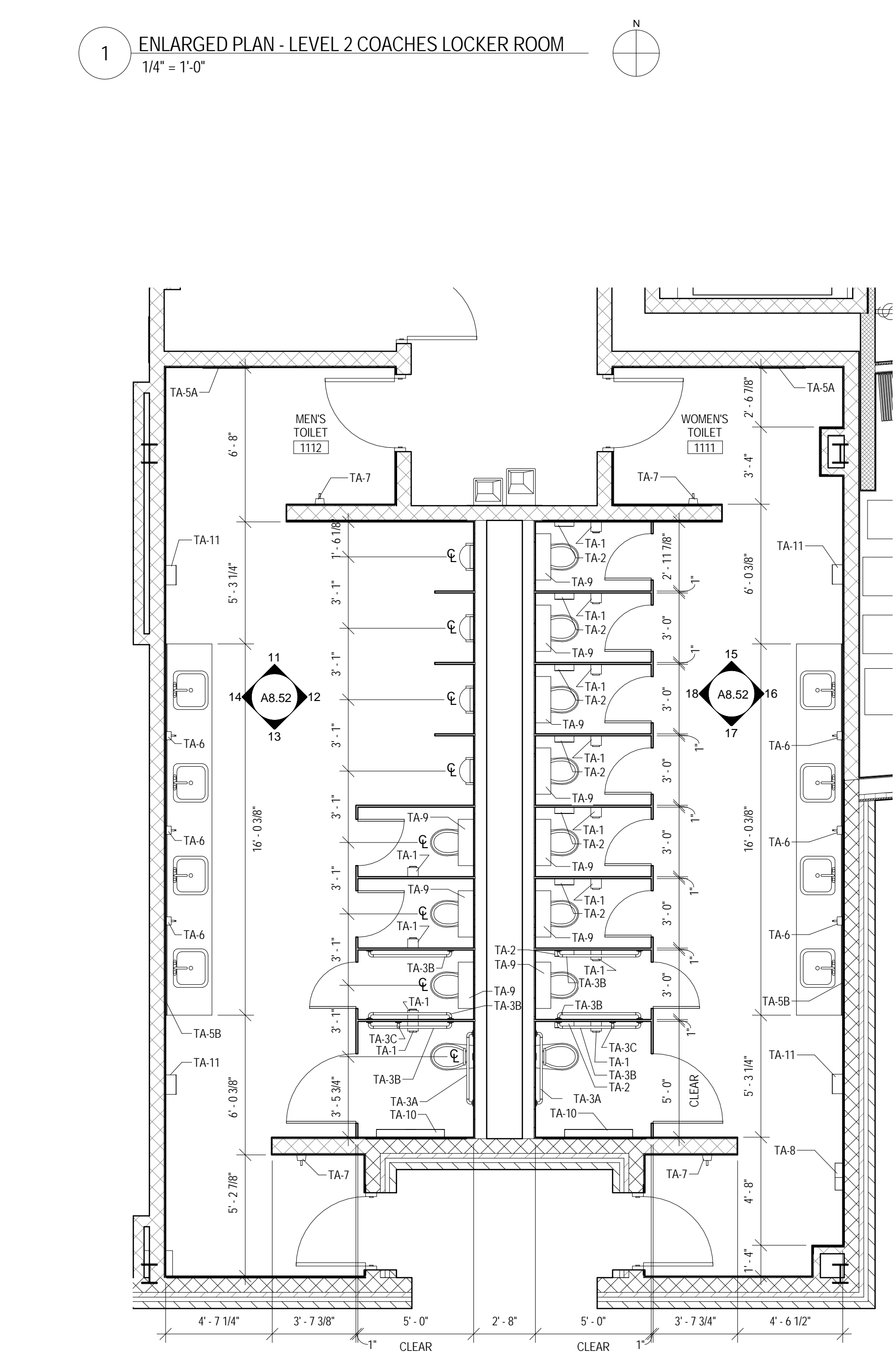
3 LOCKER ROOM ELEVATION - COACHES 2025 NORTH  
 1/4" = 1'-0"



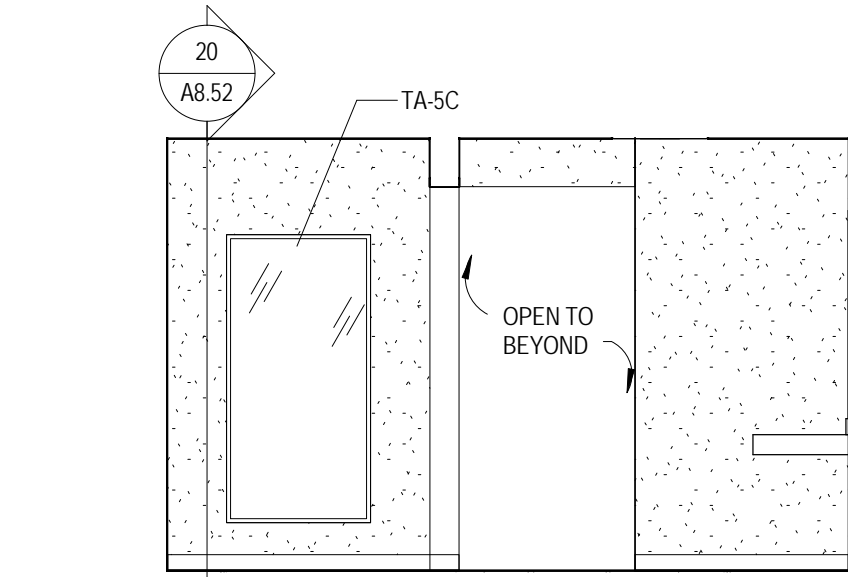
4 LOCKER ROOM ELEVATION - COACHES 2025 EAST  
 1/4" = 1'-0"



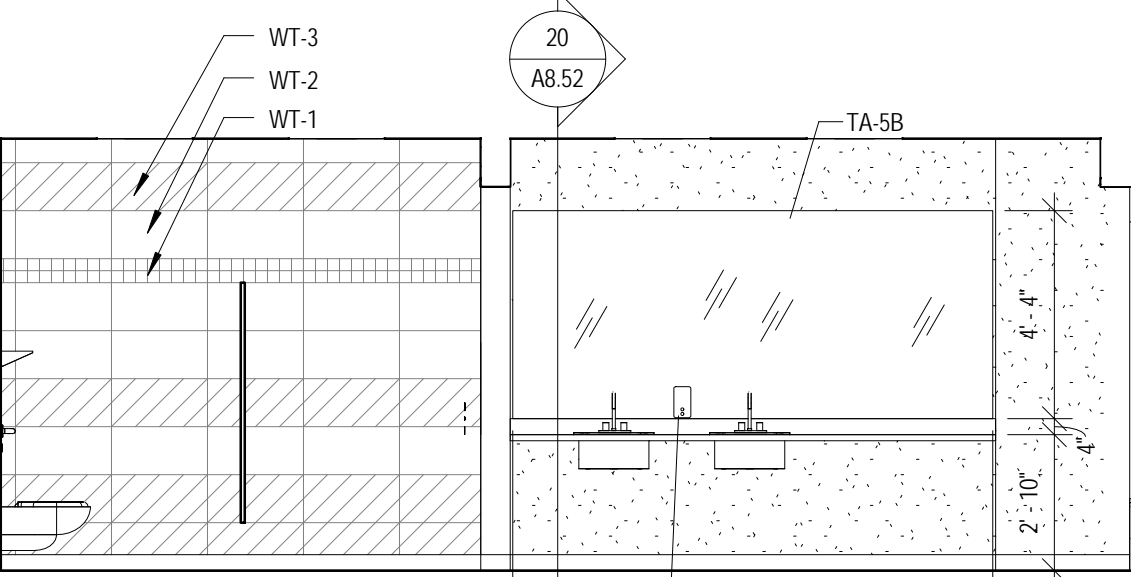
5 LOCKER ROOM ELEVATION - COACHES 2025 SOUTH  
 1/4" = 1'-0"



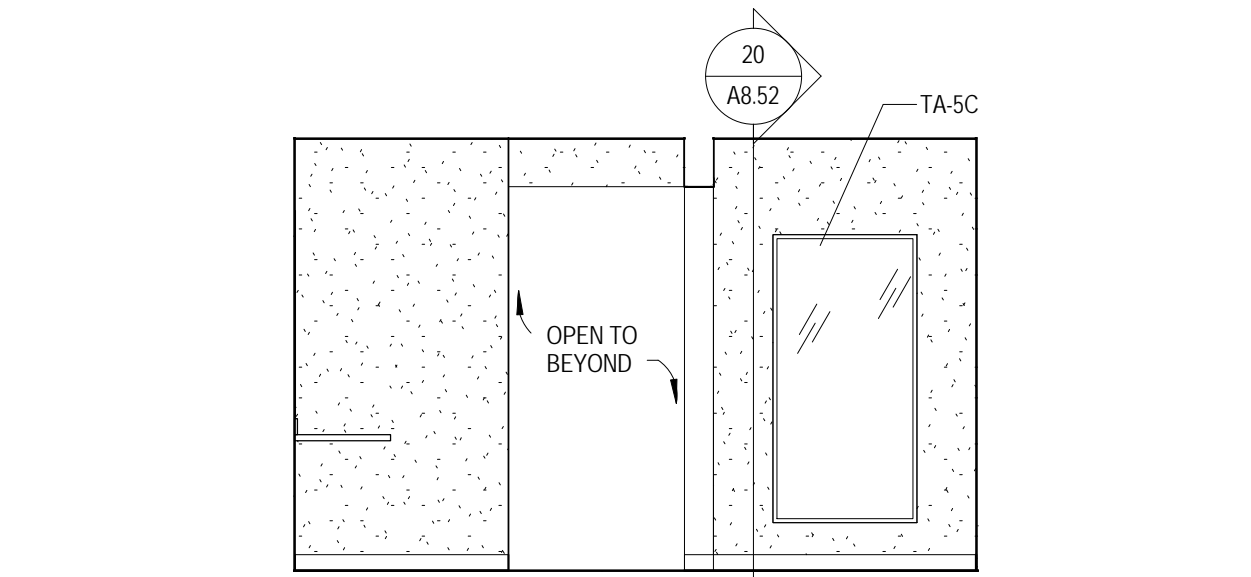
2 ENLARGED PLAN - LEVEL 1 TOILETS SOUTH  
 1/4" = 1'-0"



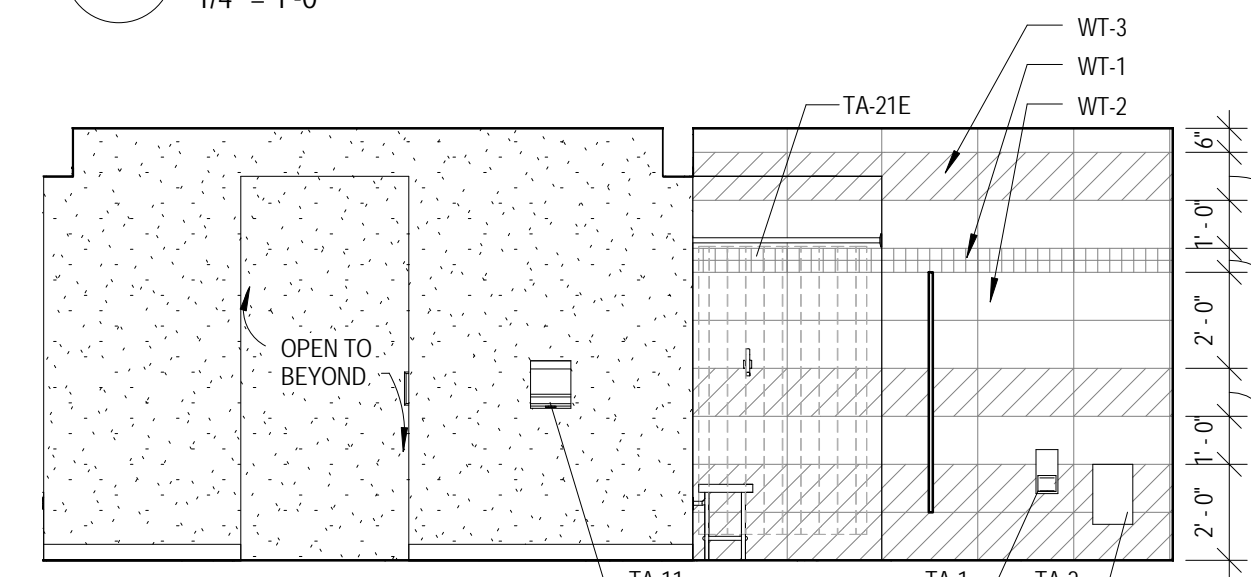
6 LOCKER ROOM ELEVATION - COACHES 2025 WEST  
 1/4" = 1'-0"



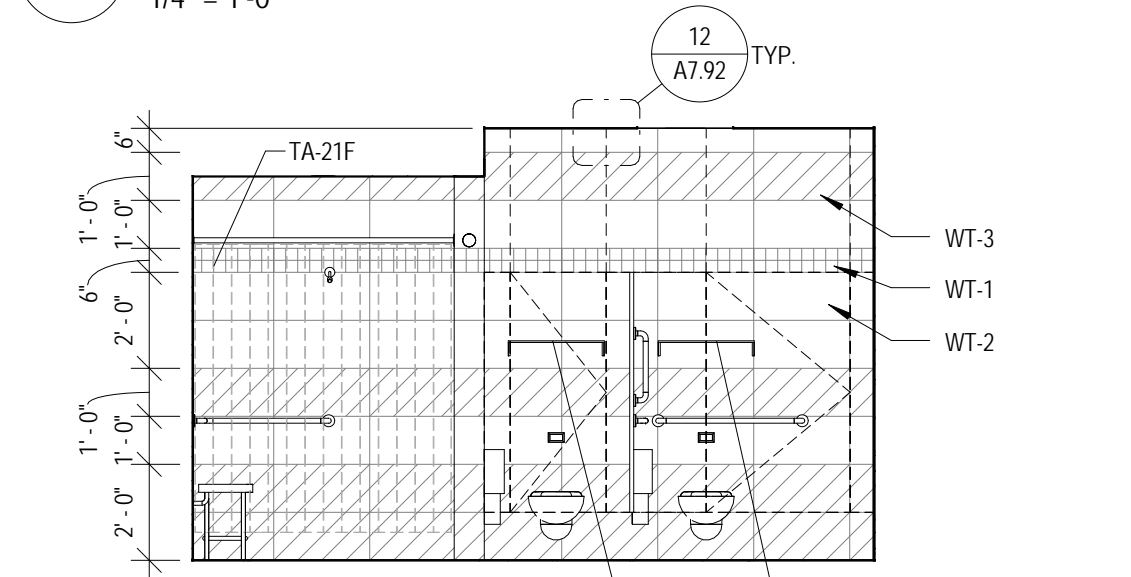
7 LOCKER ROOM ELEVATION - COACHES 2024 NORTH  
 1/4" = 1'-0"



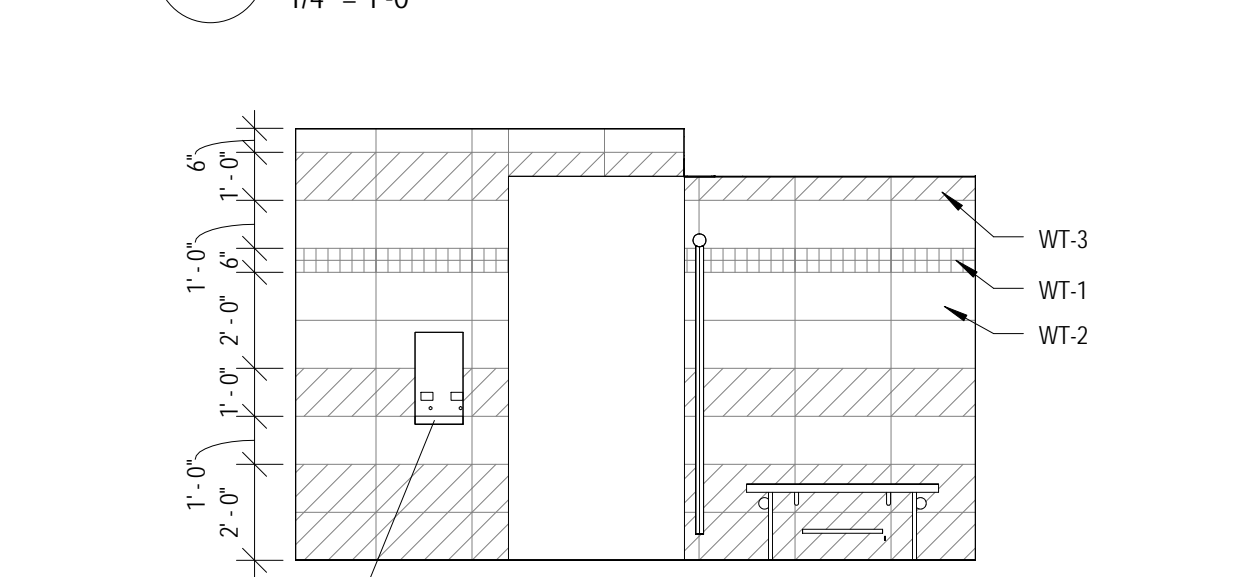
8 LOCKER ROOM ELEVATION - COACHES 2024 EAST VANITY WALL  
 1/4" = 1'-0"



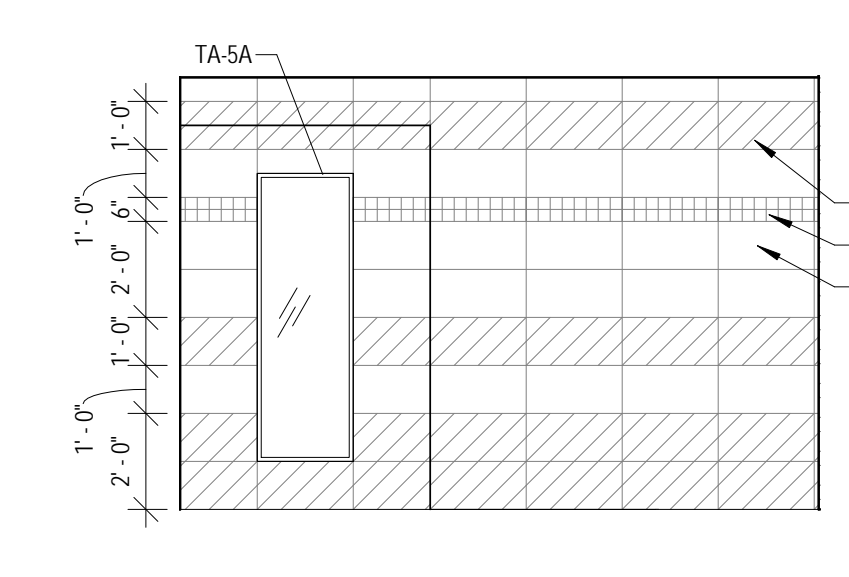
9 LOCKER ROOM ELEVATION - COACHES 2024 SOUTH  
 1/4" = 1'-0"



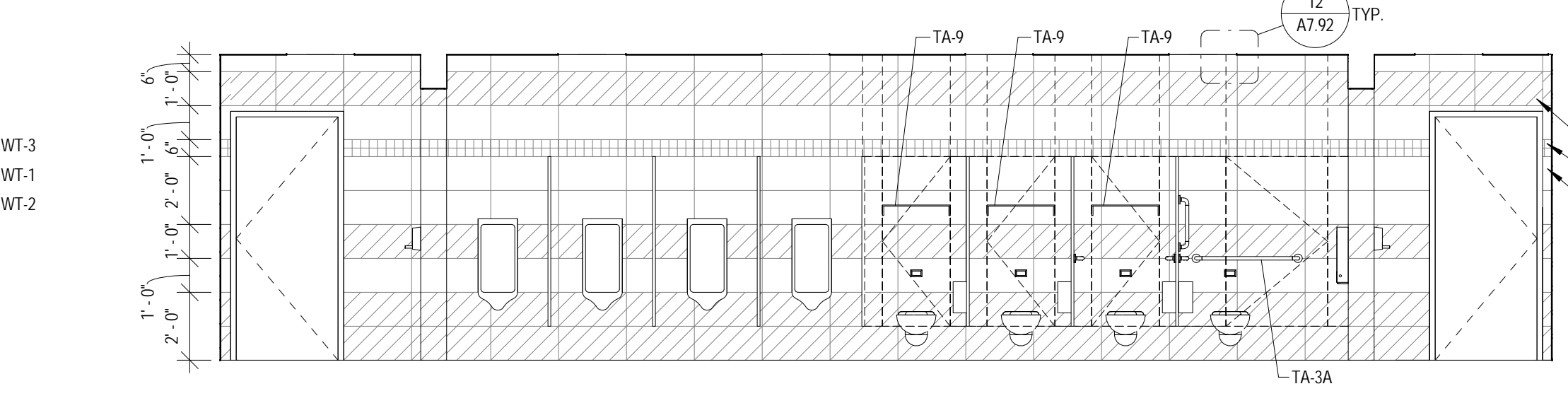
10 LOCKER ROOM ELEVATION - COACHES 2024 WEST  
 1/4" = 1'-0"



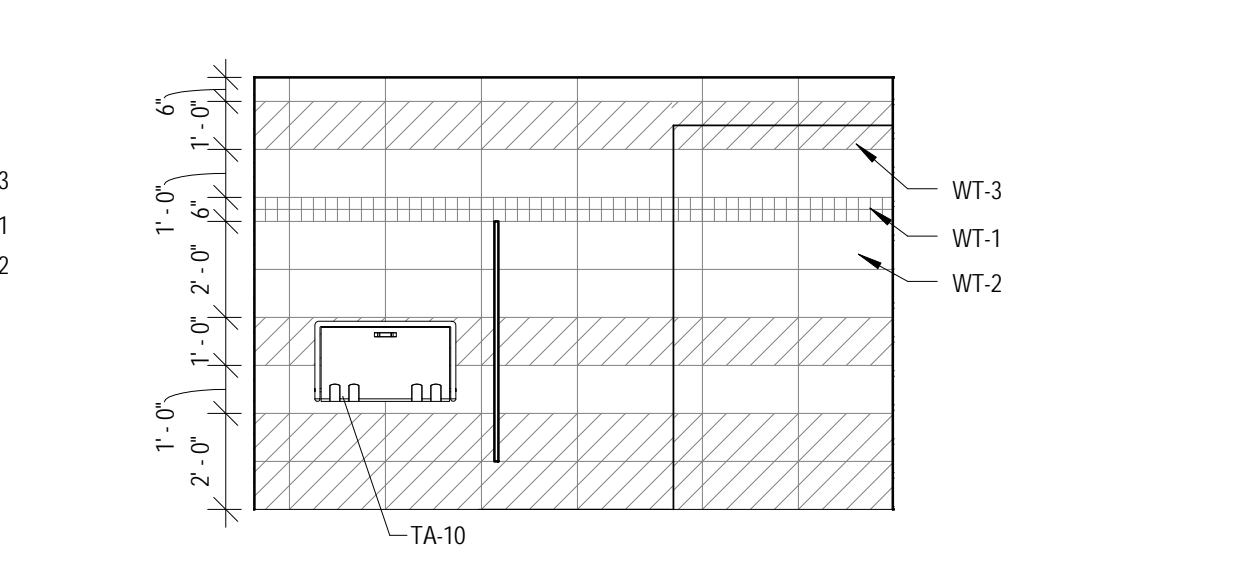
21 LOCKER ROOM ELEVATION - COACHES 2024 EAST TOILET ROOM WALL  
 1/4" = 1'-0"



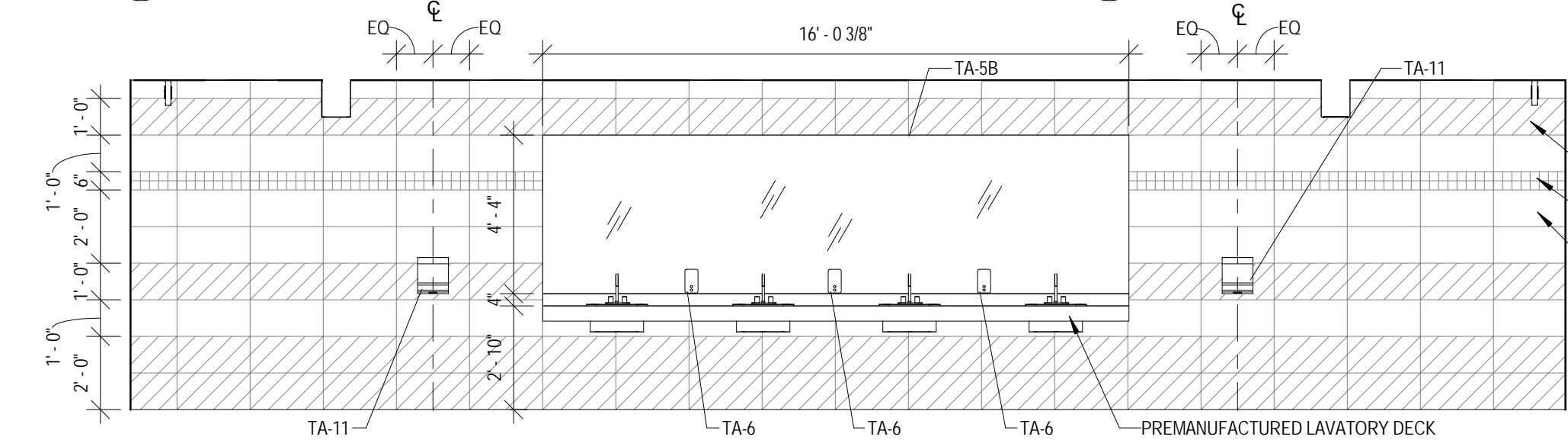
11 TOILET ROOM ELEVATION - MEN'S 1112 NORTH  
 1/4" = 1'-0"



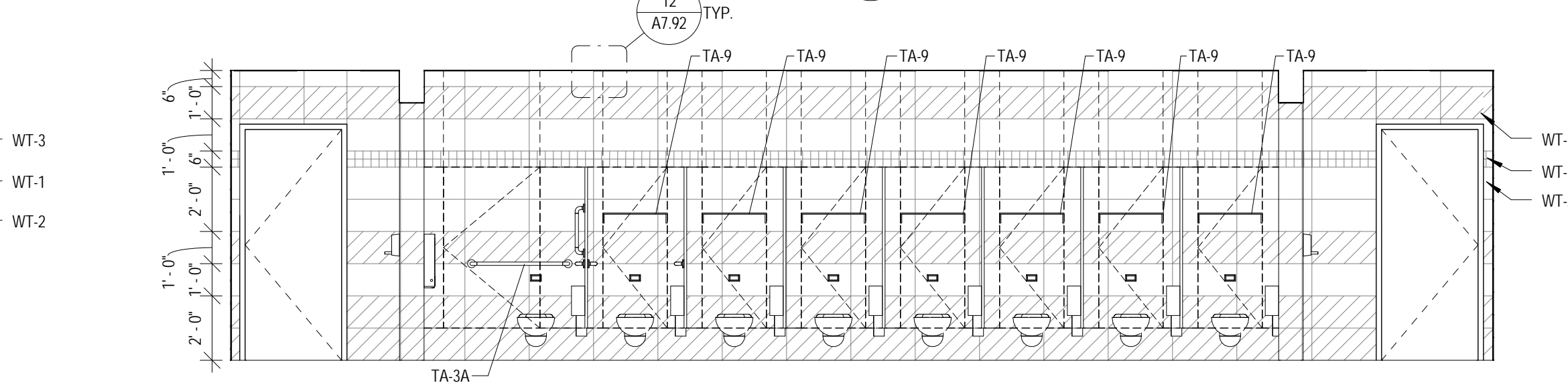
12 TOILET ROOM ELEVATION - MEN'S 1112 EAST  
 1/4" = 1'-0"



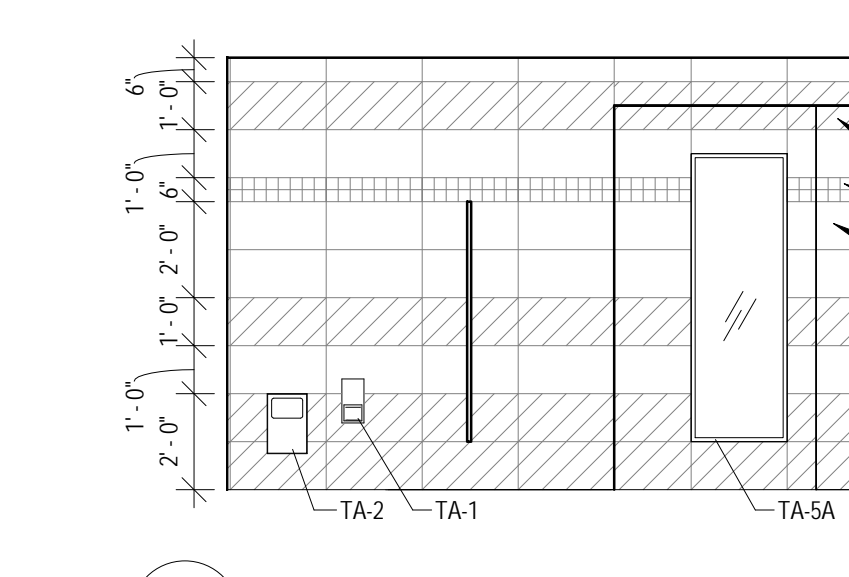
13 TOILET ROOM ELEVATION - MEN'S 1112 SOUTH  
 1/4" = 1'-0"



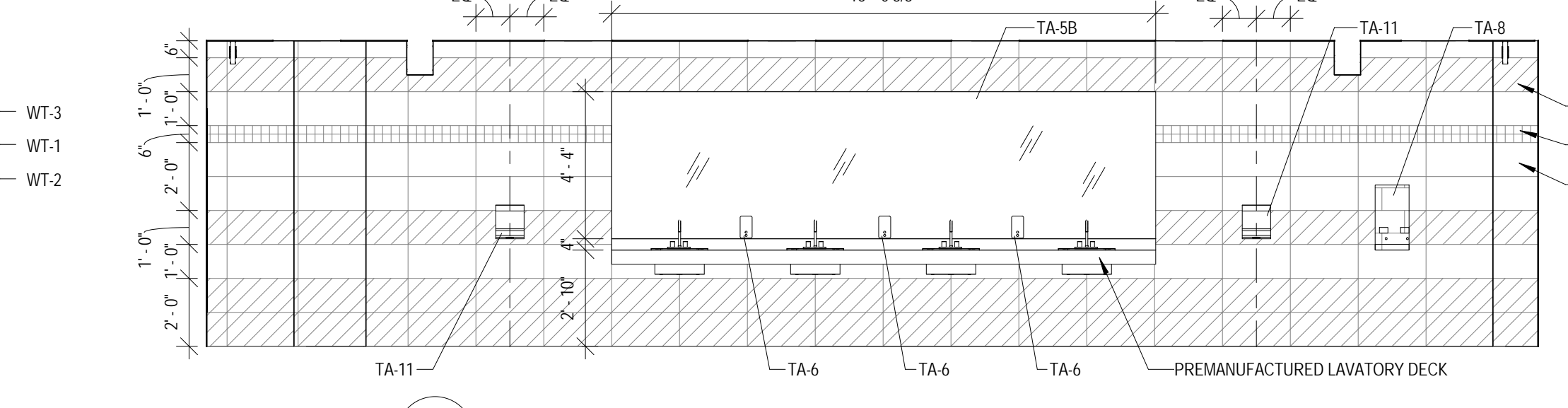
14 TOILET ROOM ELEVATION - MEN'S 1112 WEST  
 1/4" = 1'-0"



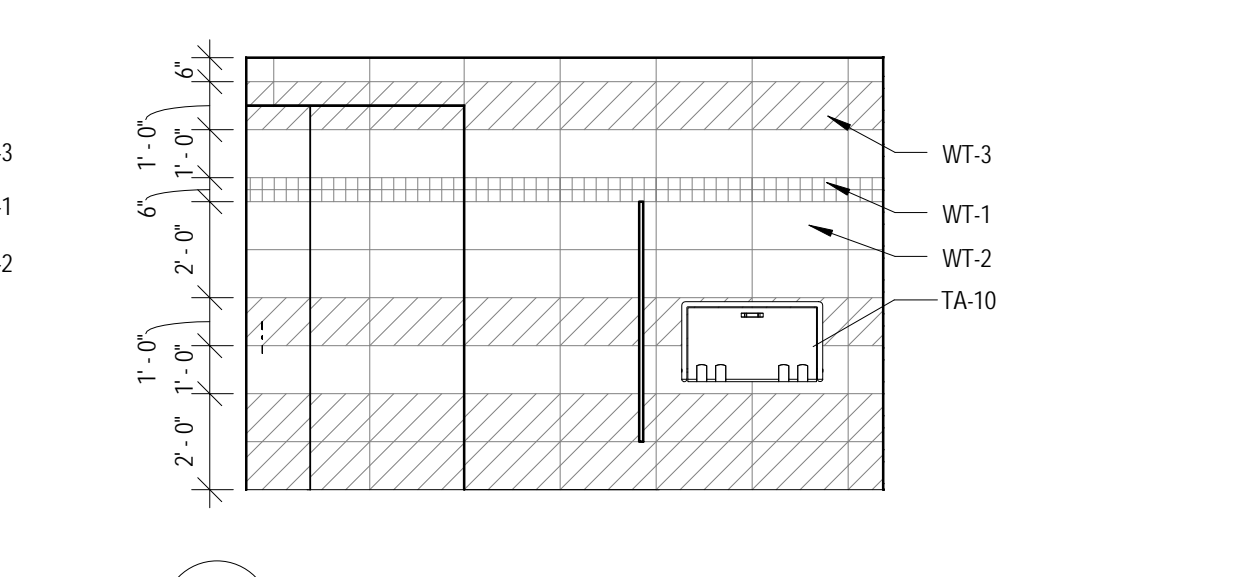
18 TOILET ROOM ELEVATION - WOMEN'S 1111 WEST  
 1/4" = 1'-0"



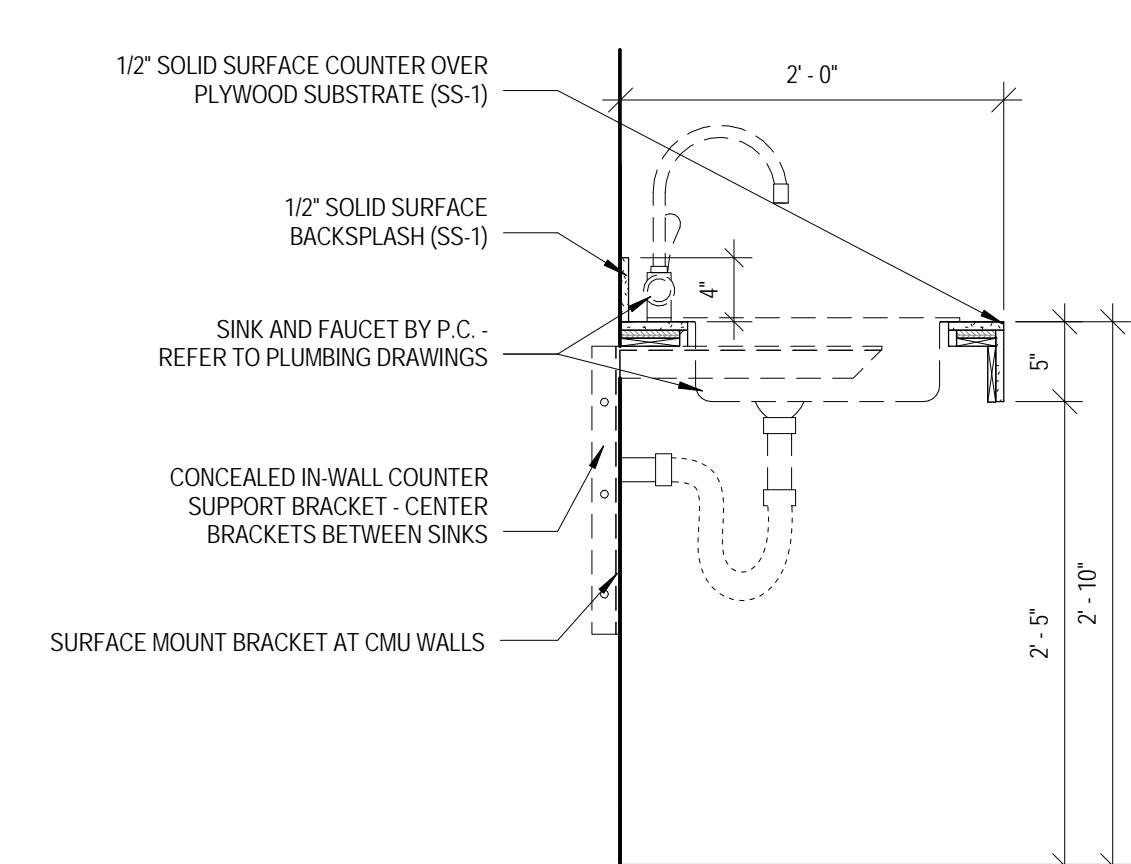
15 TOILET ROOM ELEVATION - WOMEN'S 1111 NORTH  
 1/4" = 1'-0"



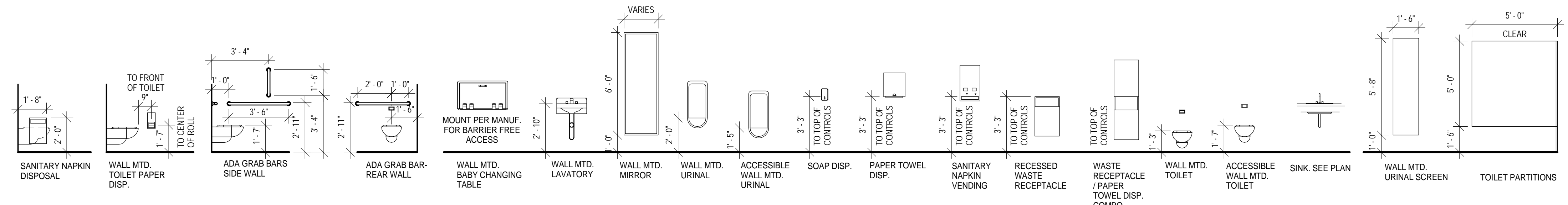
16 TOILET ROOM ELEVATION - WOMEN'S 1111 EAST  
 1/4" = 1'-0"



17 TOILET ROOM ELEVATION - WOMEN'S 1111 SOUTH  
 1/4" = 1'-0"



20 MILLWORK DETAIL  
 1" = 1'-0"



MOUNTING HEIGHTS LEGEND

TOILET ACCESSORIES LEGEND	
MARK	DESCRIPTION
TA-1	TOILET PAPER DISPENSER (OFC)
TA-2	SANITARY NAPKIN DISPOSAL
TA-3A	36" GRAB BAR
TA-3B	42" GRAB BAR
TA-3C	18" GRAB BAR
TA-3D	L SHAPED GRAB BAR
TA-3E	24" GRAB BAR
TA-5A	WALL MOUNTED RECT MIRROR 24"W X 72"H
TA-5B	CONTINUOUS FRAMELESS WALL MOUNTED MIRROR
TA-5C	WALL MOUNTED RECT MIRROR 36"W X 72"H
TA-6	WALL MOUNTED SOAP DISPENSER (OFC)
TA-7	WALL MOUNTED HAND SANITIZER DISPENSER (OFC)
TA-8	WALL MOUNTED SANITARY NAPKIN DISPENSER (OFC)
TA-9	WALL MOUNTED STAINLESS STEEL SHELF
TA-10	WALL MOUNTED BABY CHANGING STATION
TA-11	WALL MOUNTED AUTOMATIC HAND DRYER
TA-20A	FOLDING SHOWER SEAT
TA-20B	FOLDING DRESSING ROOM SEAT
TA-21A	40" CURTAIN & ROD
TA-21C	60" CURTAIN & ROD
TA-21D	50" CURTAIN & ROD
TA-21E	48" CURTAIN & ROD
TA-21F	64" CURTAIN & ROD
TA-22	TOWEL HOOK



KEY PLAN:

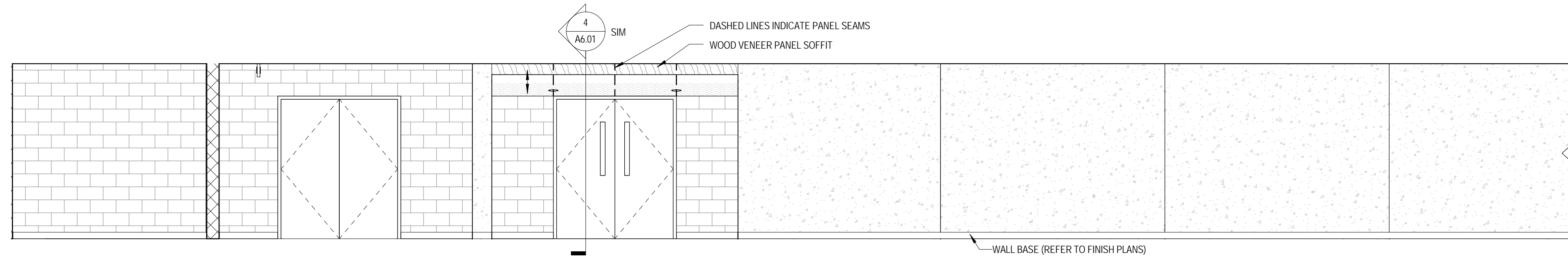
SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

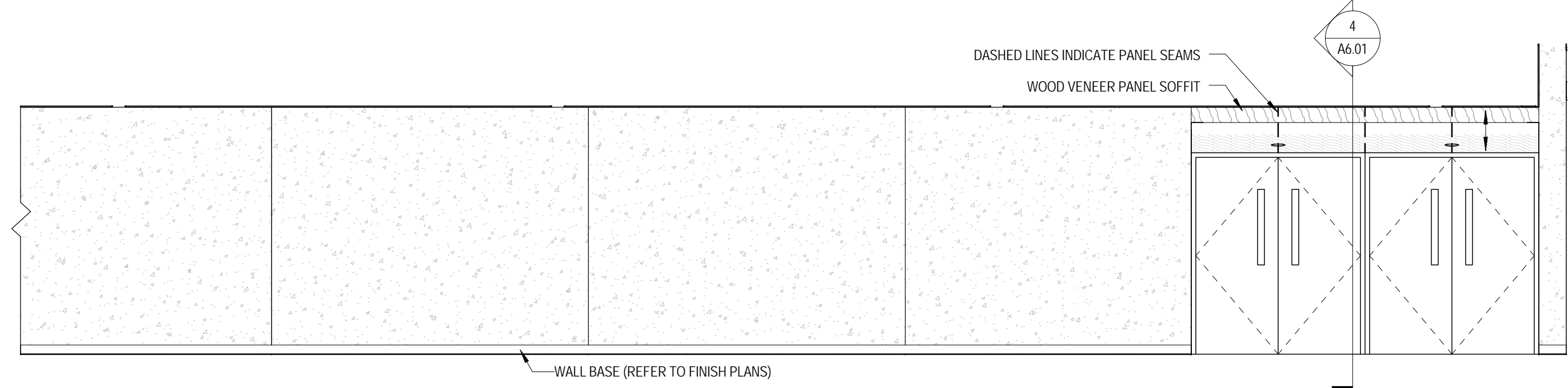
SHEET TITLE:  
**INTERIOR  
 ELEVATIONS**

SHEET NUMBER:

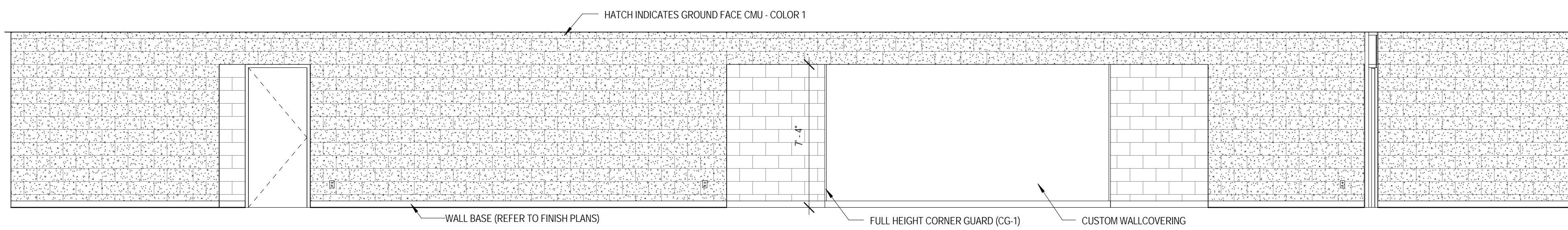
**A9.01**



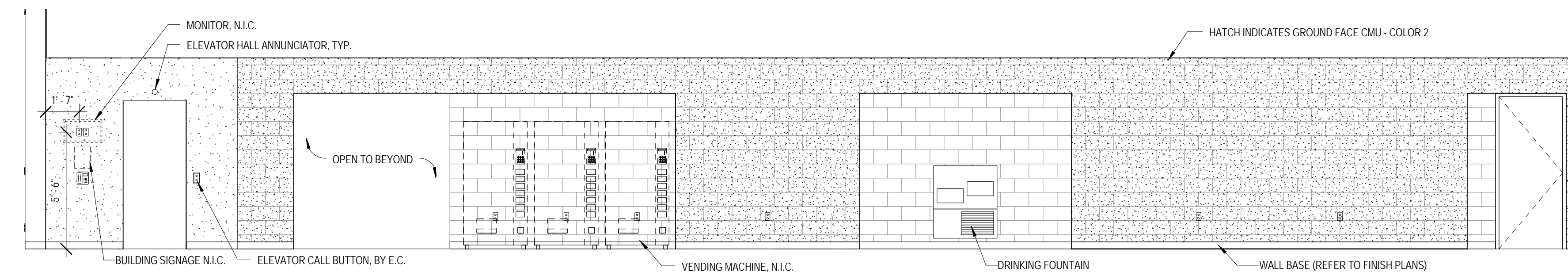
**1** INTERIOR ELEVATION - CORRIDOR 1110 NORTH A  
 1/4" = 1'-0"



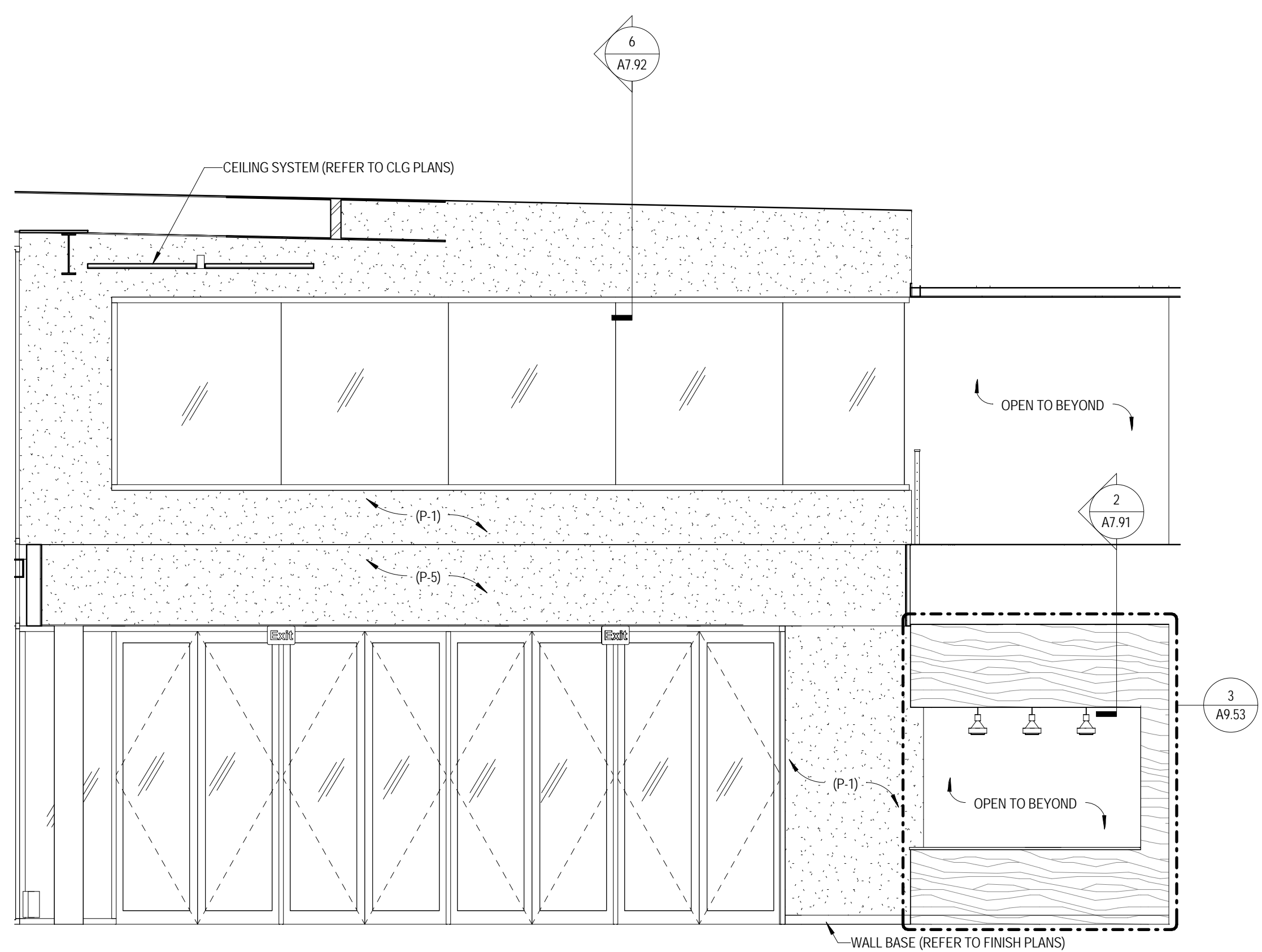
**2** INTERIOR ELEVATION - CORRIDOR 1110 NORTH B  
 1/4" = 1'-0"



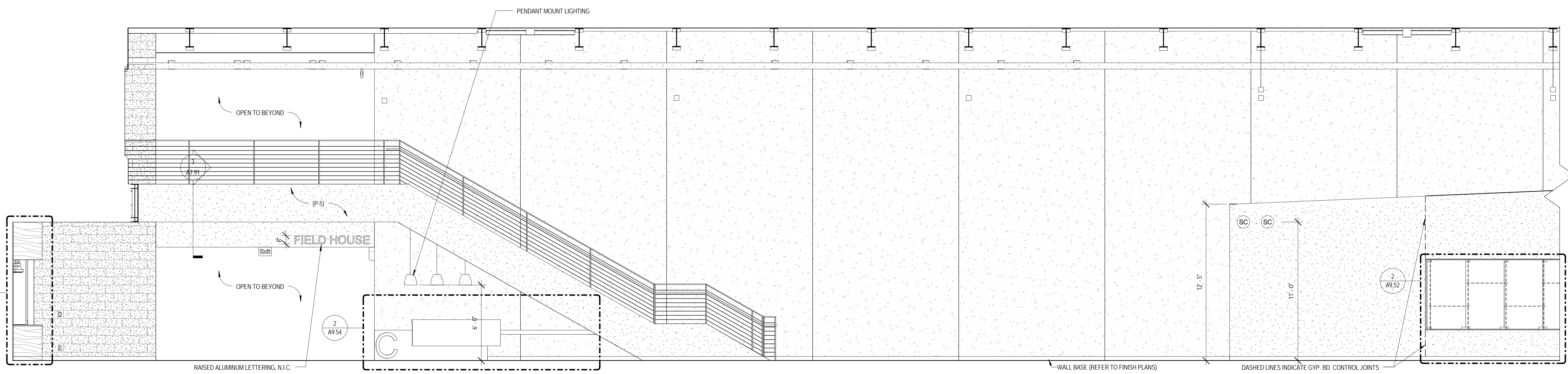
**3** INTERIOR ELEVATION - CORRIDOR 1110 SOUTH A  
 1/4" = 1'-0"



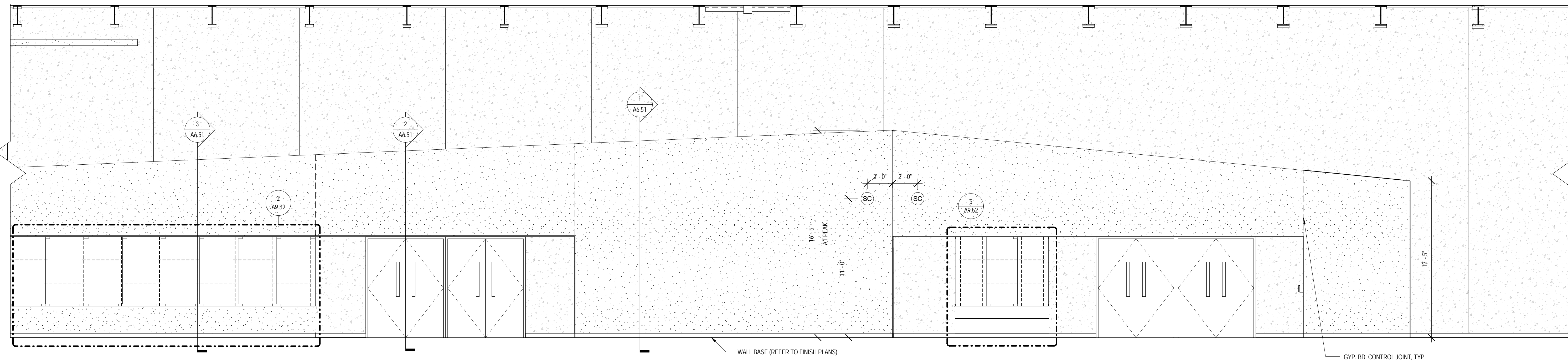
**4** INTERIOR ELEVATION - CORRIDOR 1110 SOUTH B  
 1/4" = 1'-0"



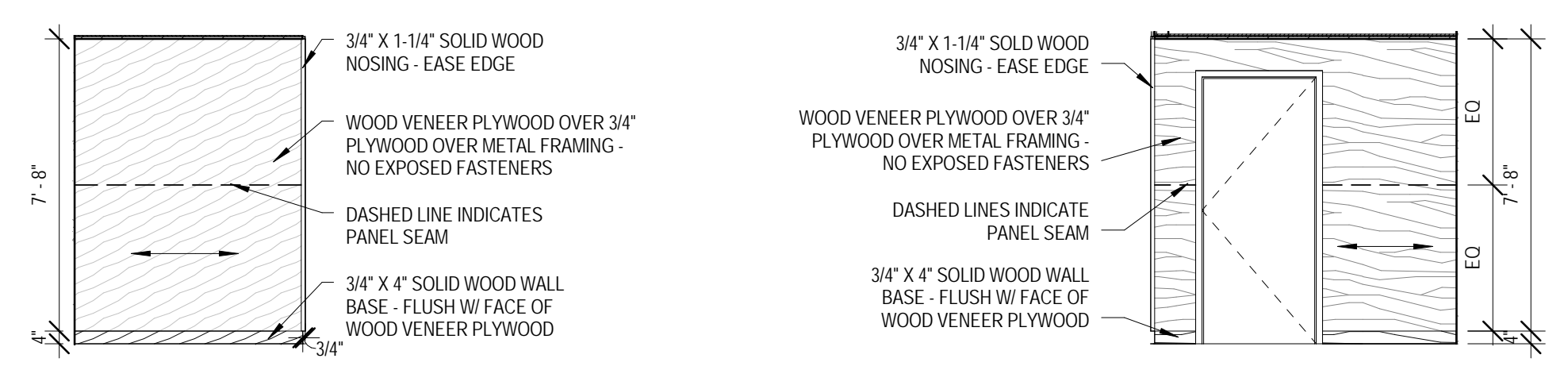
**7** INTERIOR ELEVATION - CORRIDOR 1101 SOUTH  
 1/4" = 1'-0"



1 INTERIOR ELEVATION - CORRIDOR 1101 WEST A  
 1/4" = 1'-0"



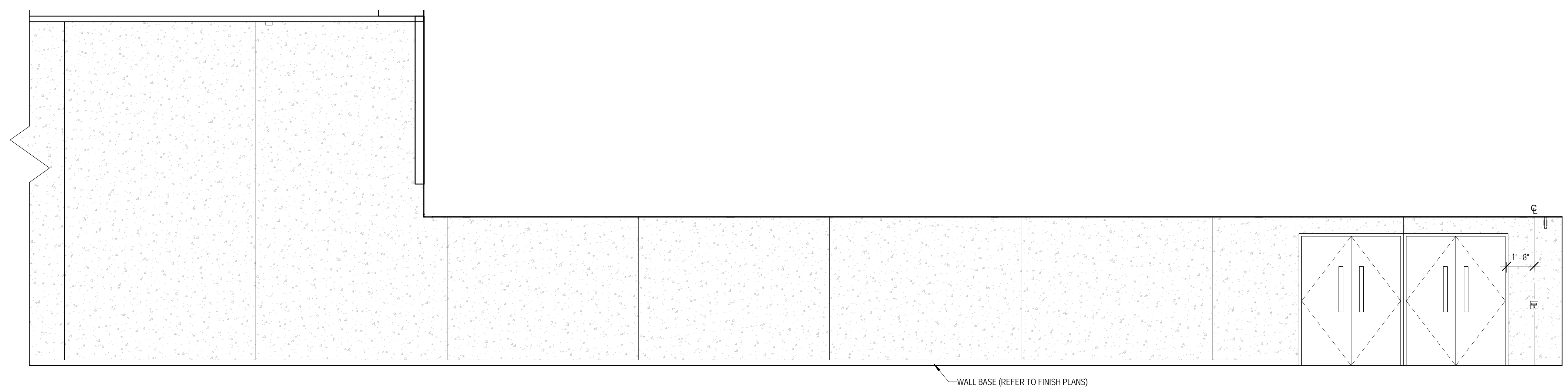
2 INTERIOR ELEVATION - CORRIDOR 1101 WEST B  
 1/4" = 1'-0"



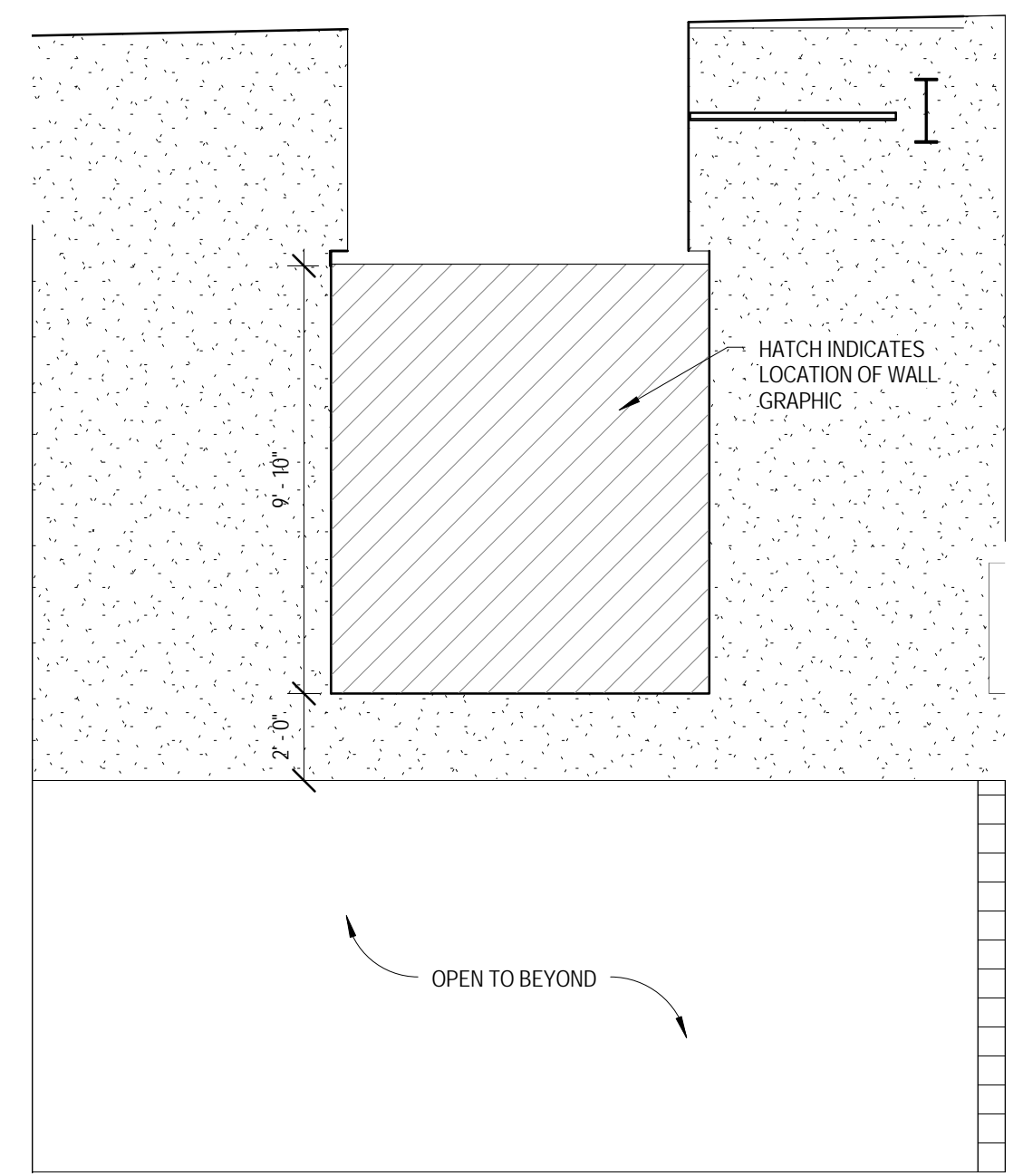
3 INTERIOR ELEVATION - CORRIDOR 1101 ALCOVE NORTH  
 1/4" = 1'-0"

4 INTERIOR ELEVATION - CORRIDOR 1101 ALCOVE SOUTH  
 1/4" = 1'-0"

7 INTERIOR ELEVATION - CORRIDOR 1101 ALCOVE NORTH 2  
 1/4" = 1'-0"



5 INTERIOR ELEVATION - CORRIDOR 1101 WEST C  
 1/4" = 1'-0"



6 INTERIOR ELEVATION - CORRIDOR 1101 NORTH  
 1/4" = 1'-0"

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID**  
**PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**INTERIOR ELEVATIONS**

SHEET NUMBER:  
**A9.02**



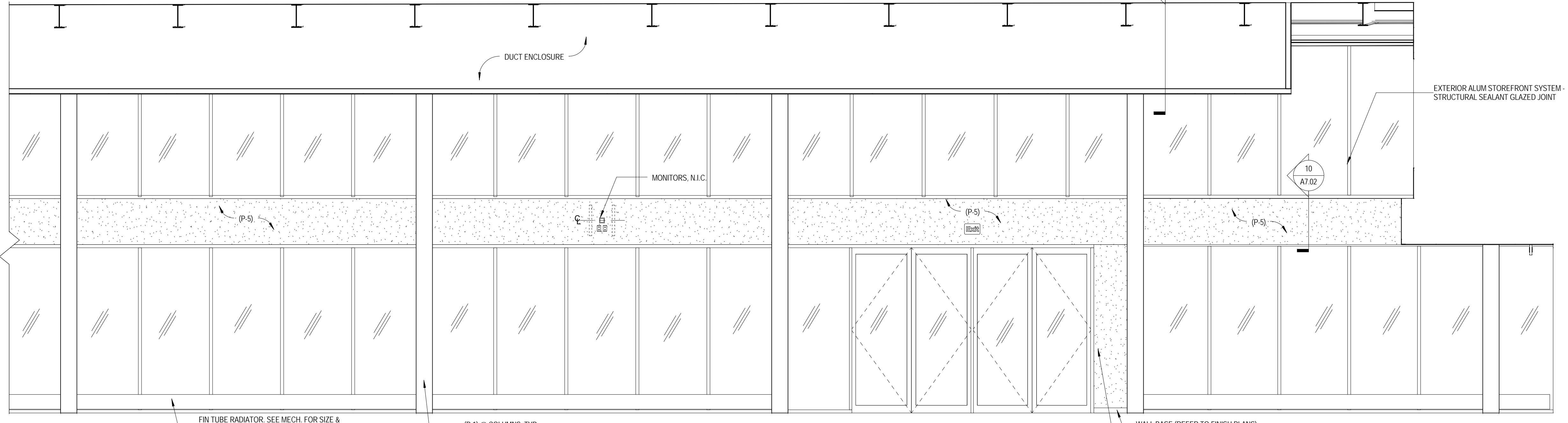


ARCHITECT OF RECORD  
**DEMOMICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

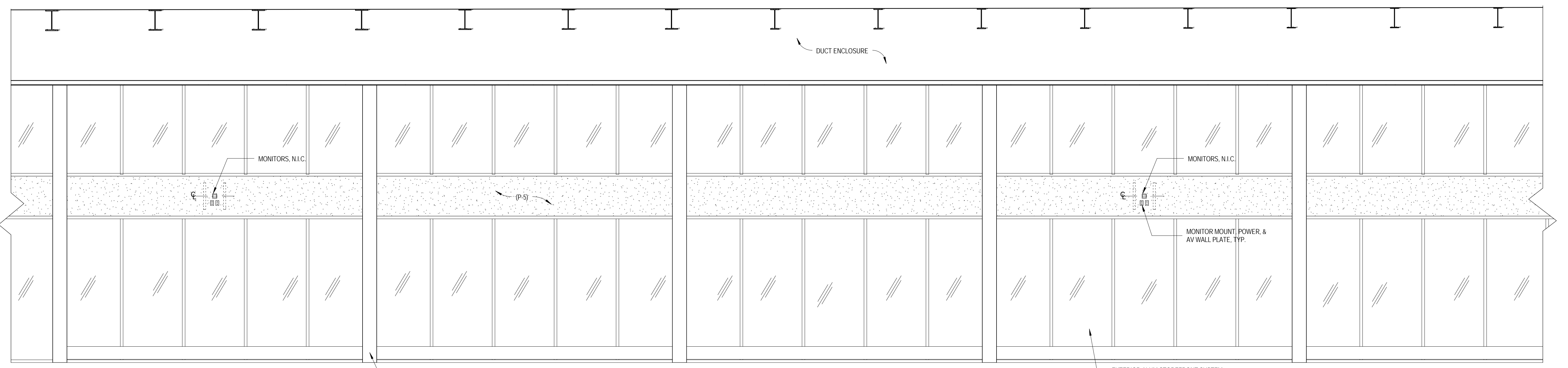
STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

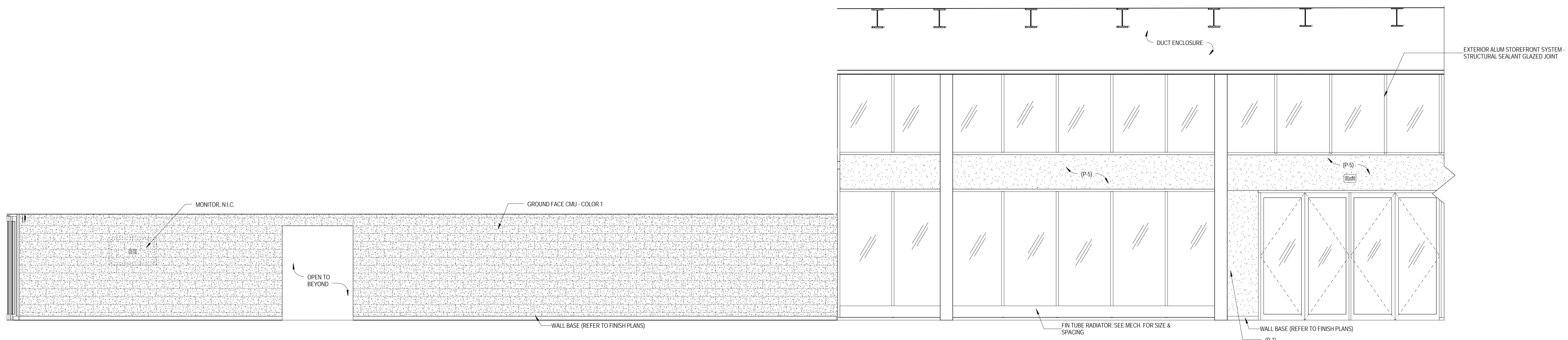
**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



**1 INTERIOR ELEVATION - CORRIDOR 1101 EAST A**  
 1/4" = 1'-0"



**2 INTERIOR ELEVATION - CORRIDOR 1101 EAST B**  
 1/4" = 1'-0"



**3 INTERIOR ELEVATION - CORRIDOR 1101 EAST C**  
 1/4" = 1'-0"

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**INTERIOR  
 ELEVATIONS**

SHEET NUMBER:  
**A9.03**



ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

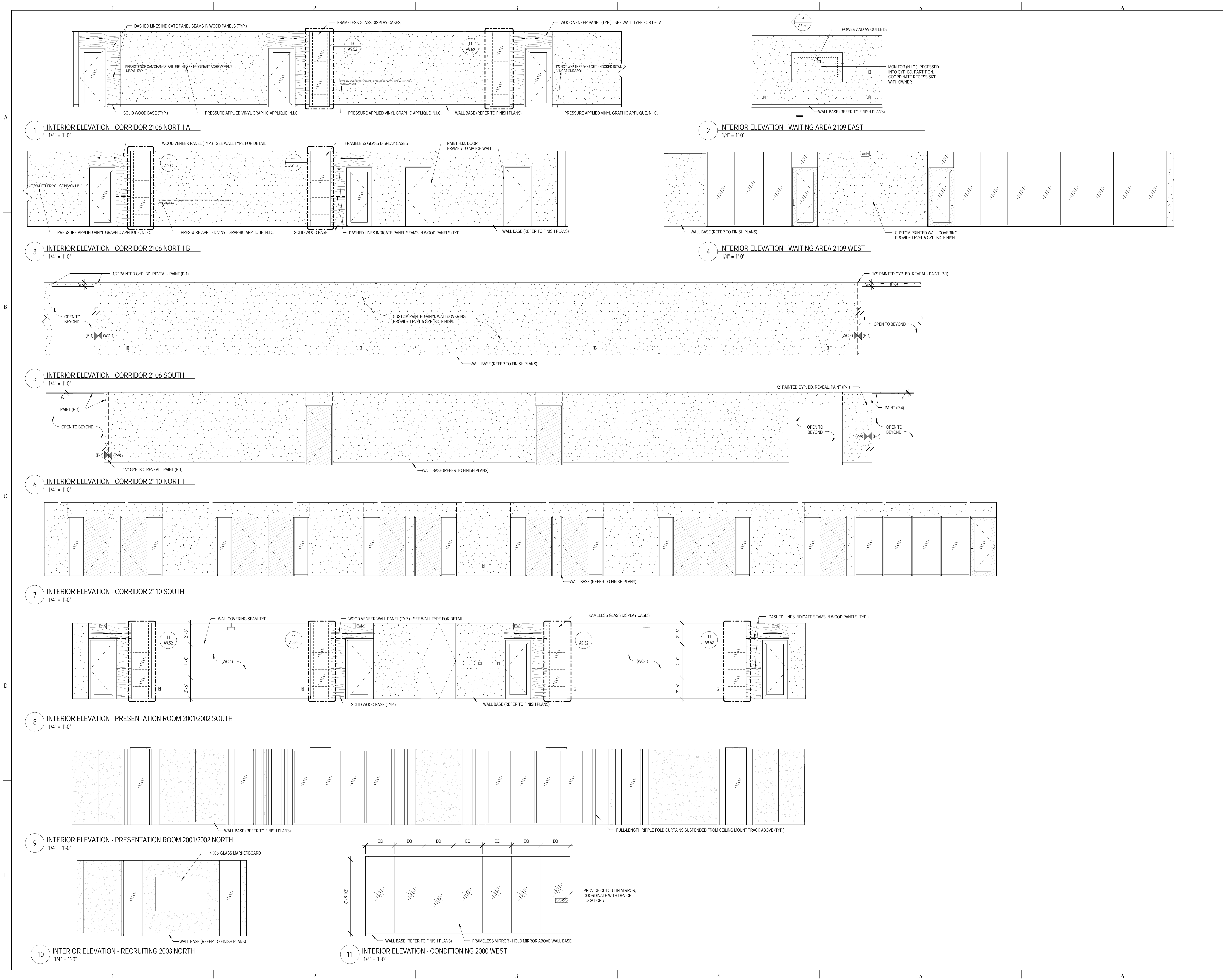
NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**INTERIOR  
 ELEVATIONS**

SHEET NUMBER:

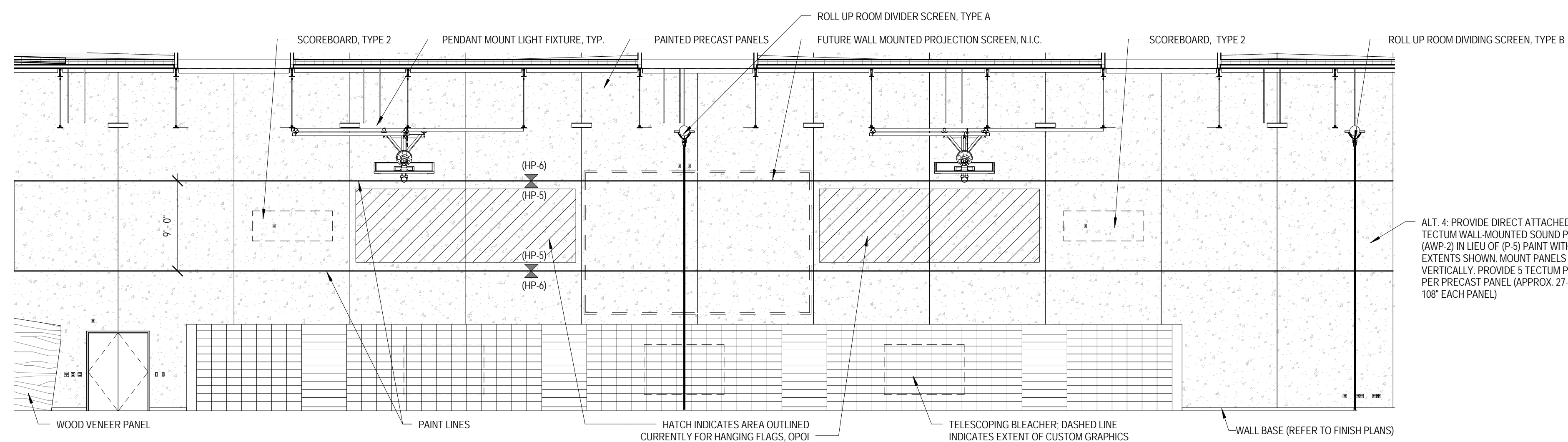
**A9.04**

7/20/2015 10:50:33 AM

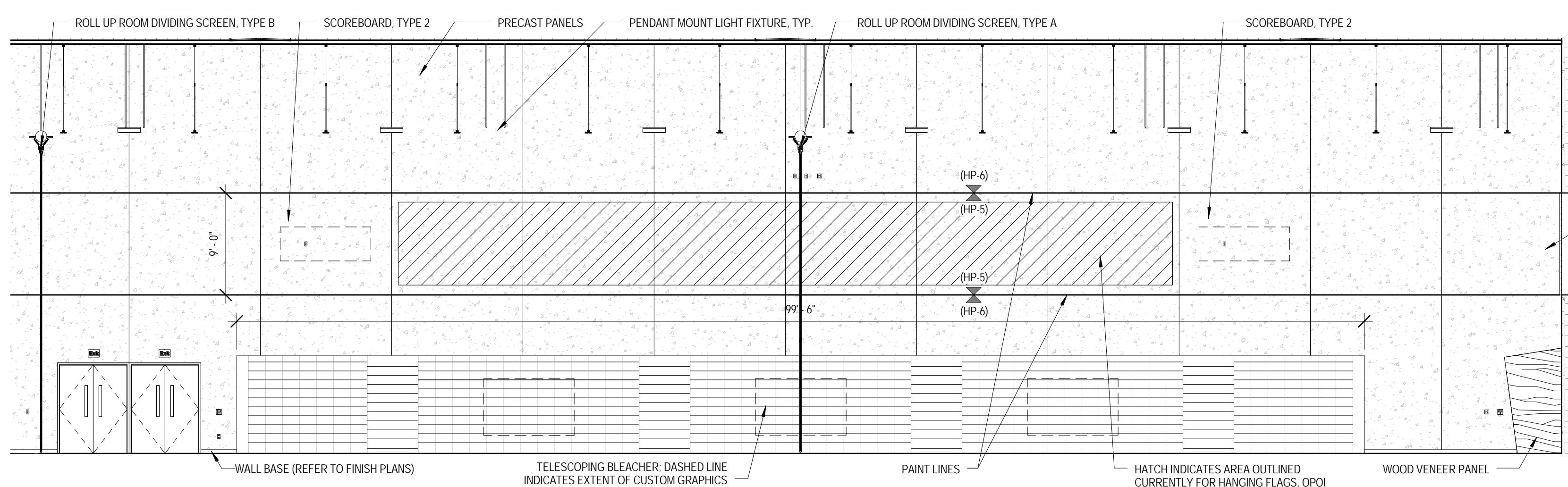




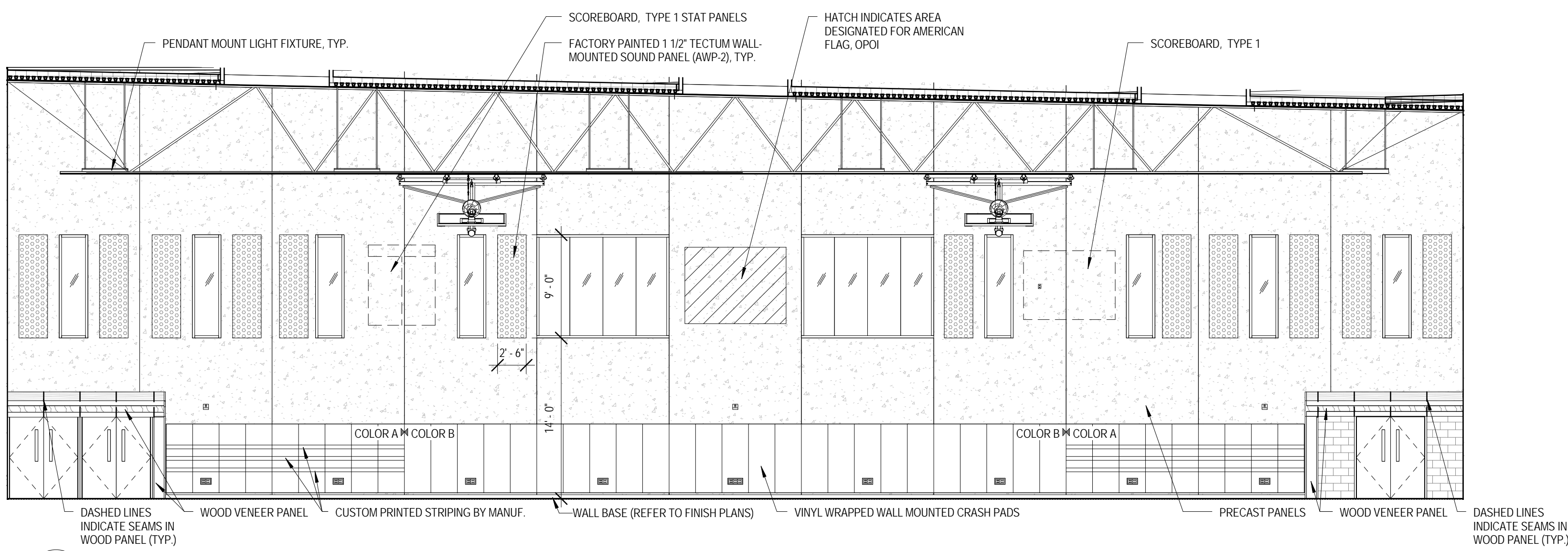
NO.	DESCRIPTION:	DATE:



**1** INTERIOR ELEVATION - COMPETITION WEST  
 1/8" = 1'-0"



**2** INTERIOR ELEVATION - COMPETITION EAST  
 1/8" = 1'-0"



**4** INTERIOR ELEVATION - COMPETITION SOUTH  
 1/8" = 1'-0"



ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

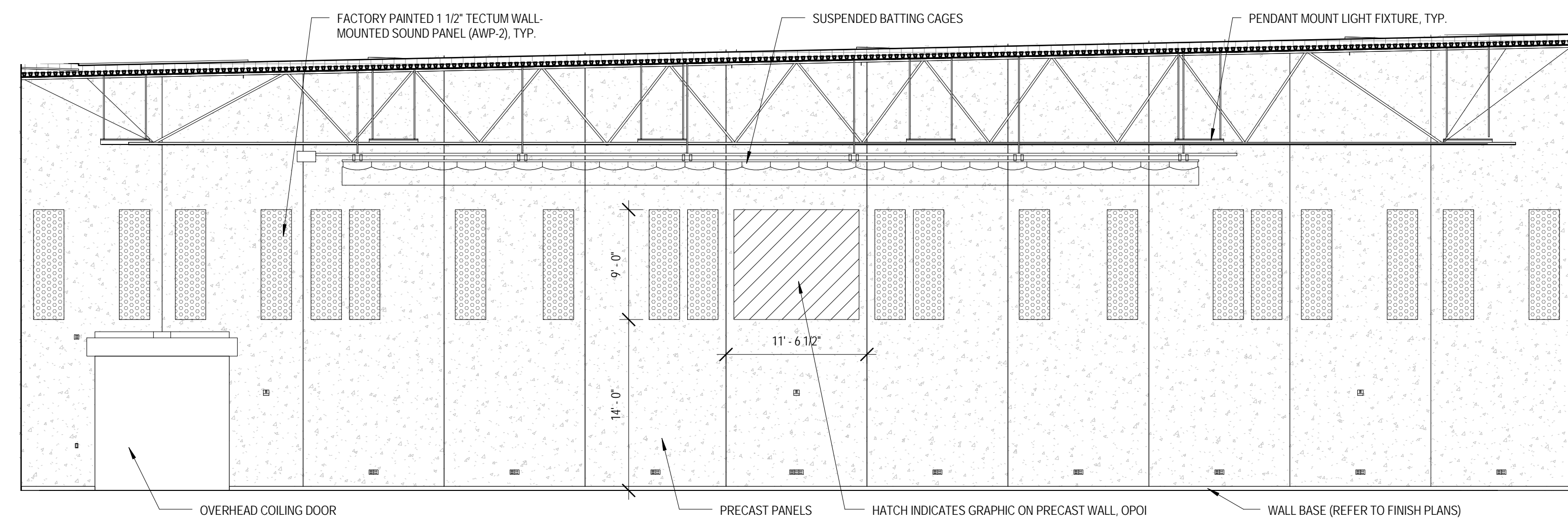
NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**INTERIOR  
 ELEVATIONS**

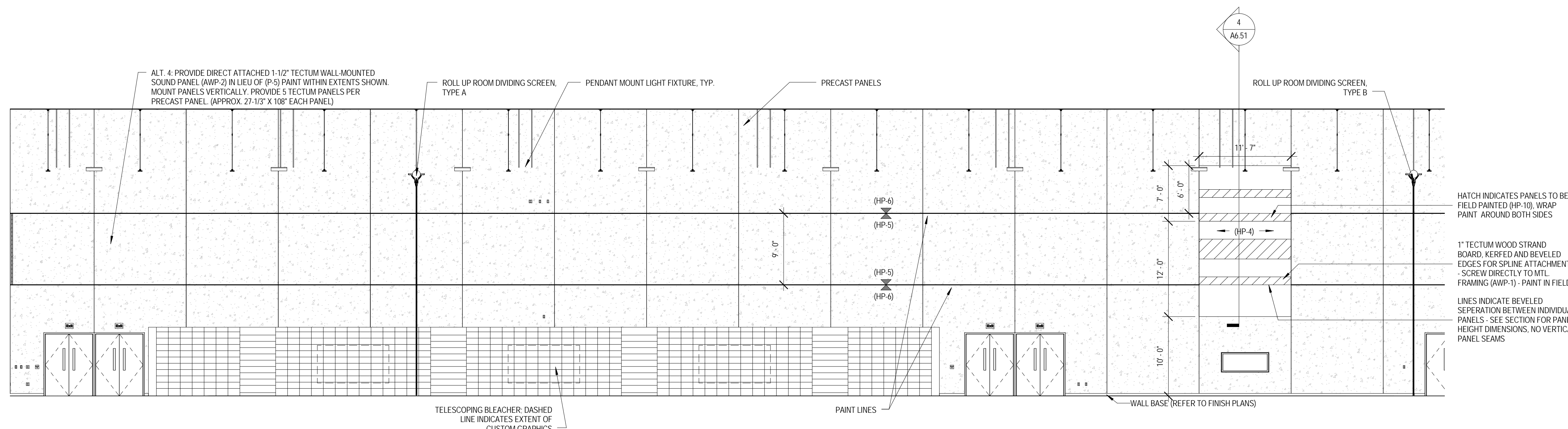
SHEET NUMBER:

**A9.06**

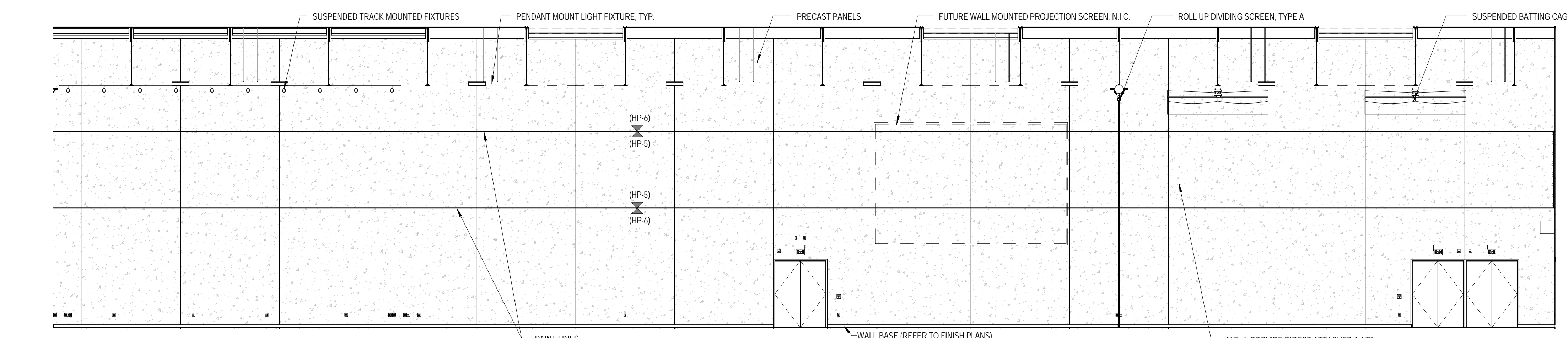
7/20/2015 10:50:55 AM



**1** INTERIOR ELEVATION - FIELD HOUSE NORTH  
 1/8" = 1'-0"



**3** INTERIOR ELEVATION - FIELD HOUSE EAST  
 1/8" = 1'-0"



**4** INTERIOR ELEVATION - FIELD HOUSE WEST  
 1/8" = 1'-0"

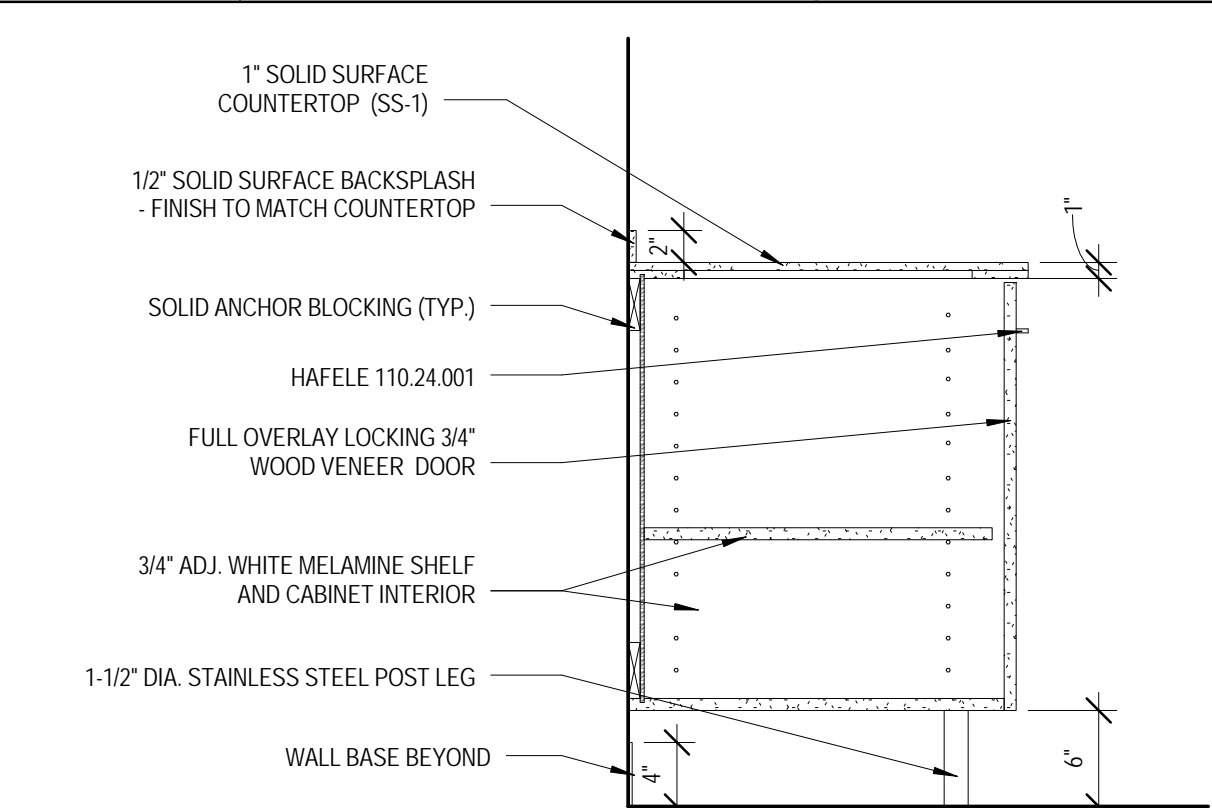
ALT. 4: PROVIDE DIRECT ATTACHED 1-1/2" TECTUM WALL-MOUNTED SOUND PANEL (AWP-2) IN LIEU OF (P-5) PAINT WITHIN EXTENTS SHOWN. MOUNT PANELS VERTICALLY. PROVIDE 5 TECTUM PANELS PER PRECAST PANEL (APPROX. 27-1/2" X 108" EACH PANEL)



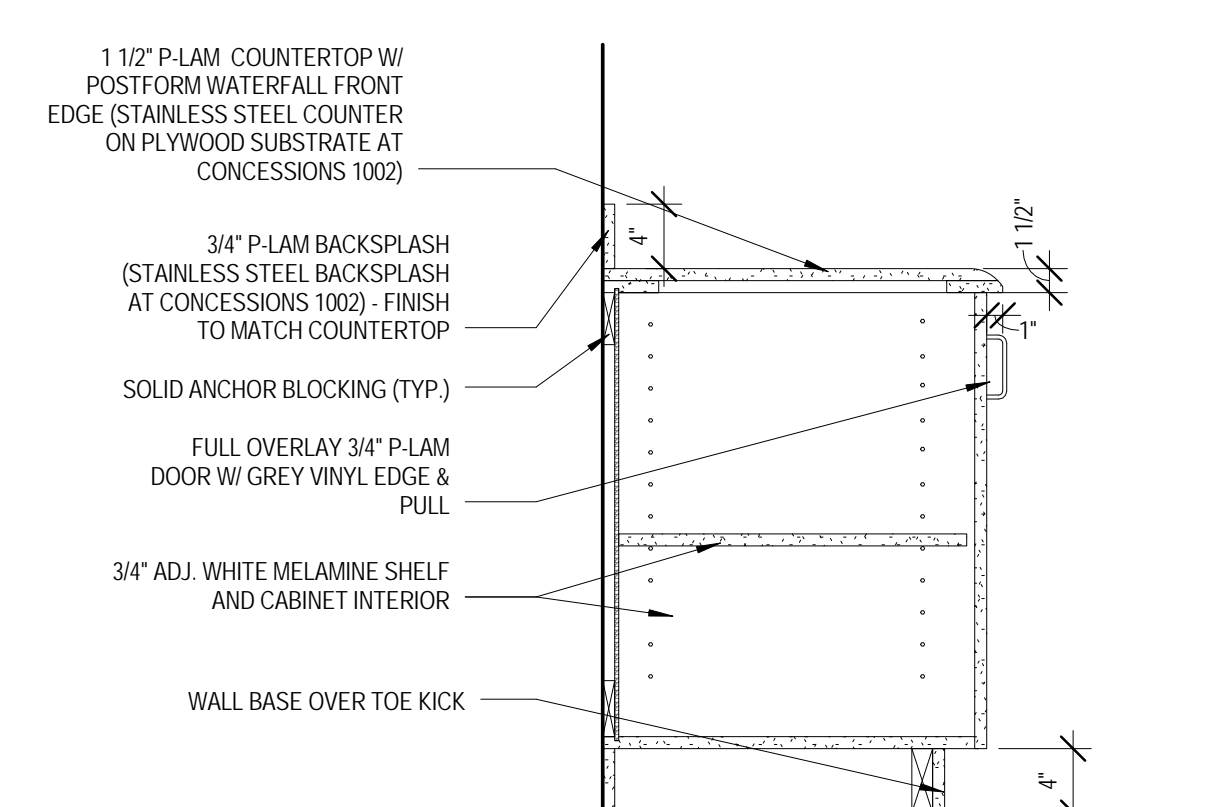
NO.	DESCRIPTION:	DATE:

**MILLWORK FINISH TYPES:**

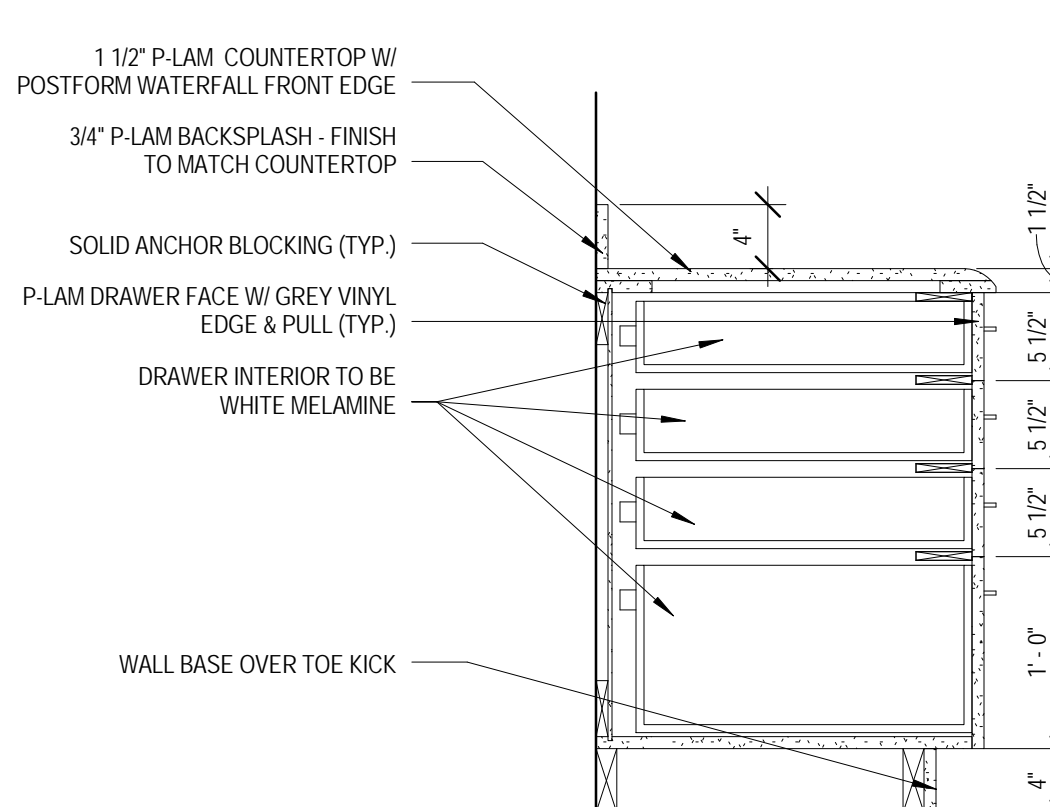
TYPE	DESCRIPTION	MANUFACTURER	NAME/COLOR
ES-1	FRONT DESK ENGINEERED STONE	CAESARSTONE	1141 PURE WHITE
PL-1	GRAPHIC PLASTIC LAMINATE	FORMICA	6610-58 ENDLESS GREYSTONE
PL-2	WHITE PLASTIC LAMINATE	FORMICA	933-58 MISSION WHITE
PL-3	NOT USED		
PL-4	BLACK PLASTIC LAMINATE	FORMICA	909-58 BLACK
SS-1	BLACK SOLID SURFACE	MEGANITE	770 EBONY GRANITE
SS-2	WHITE SOLID SURFACE	MEGANITE	BRIGHT WHITE 001



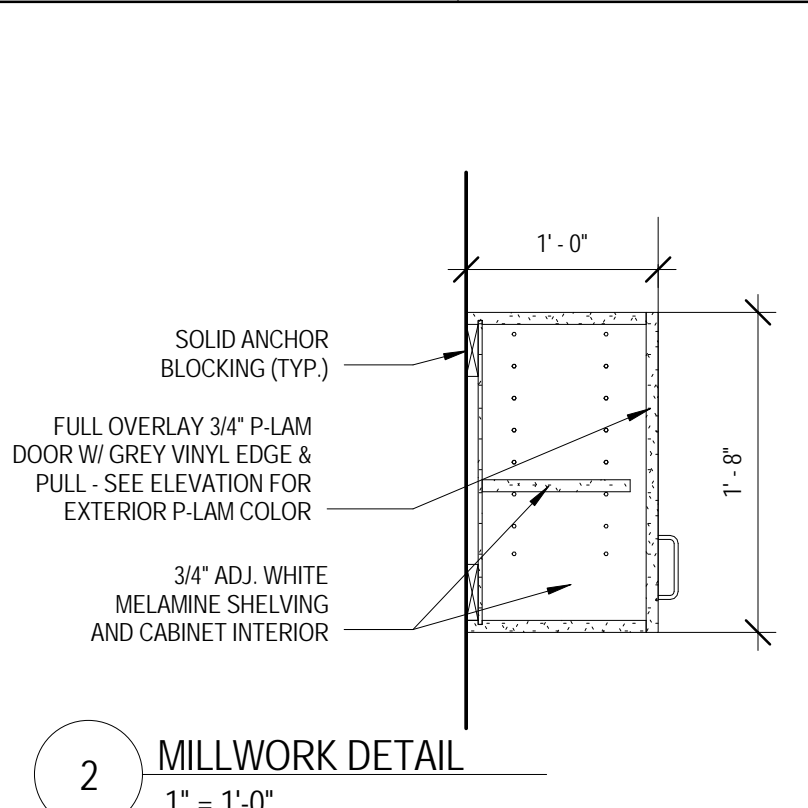
**3 MILLWORK DETAIL**  
 1" = 1'-0"



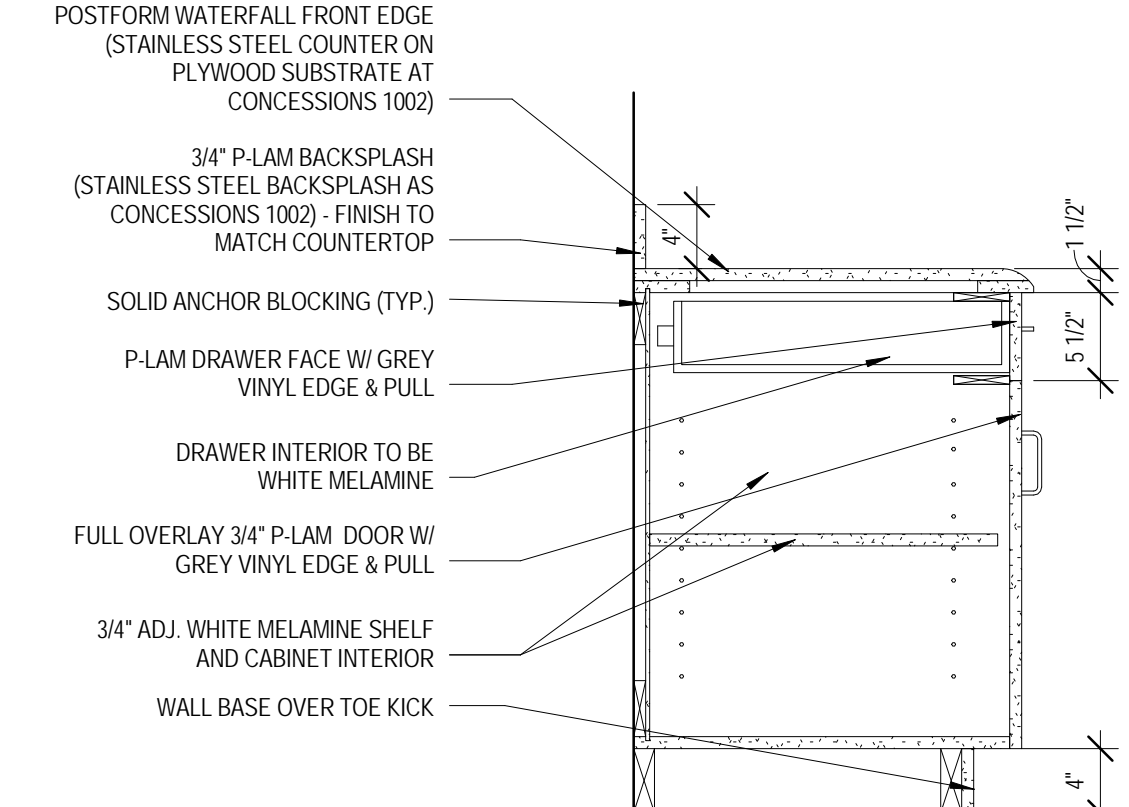
**7 MILLWORK DETAIL**  
 1" = 1'-0"



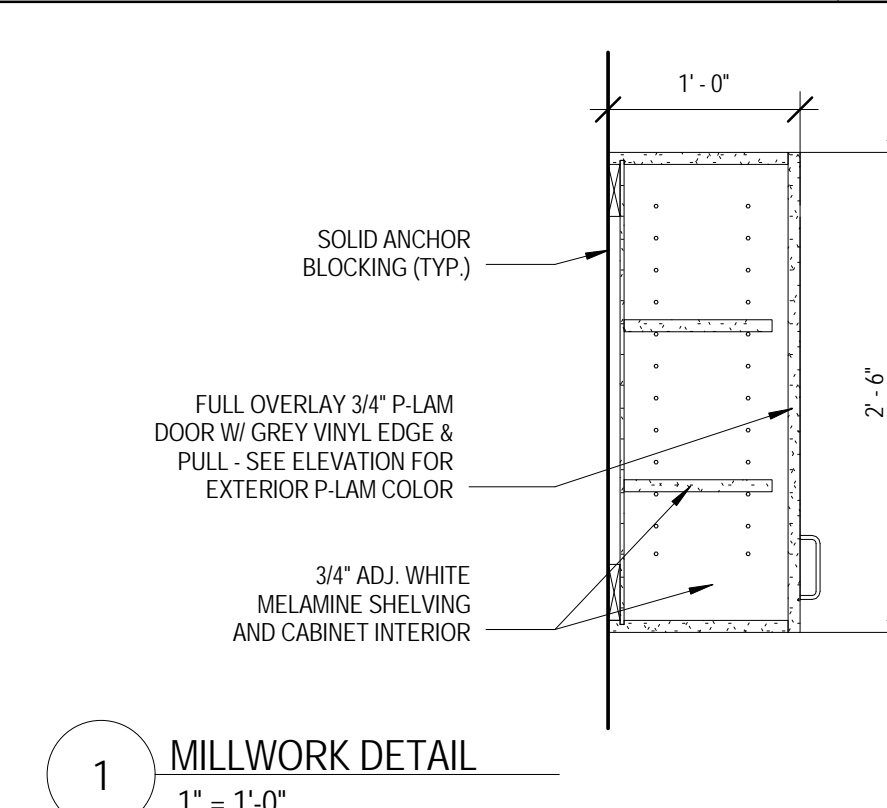
**8 MILLWORK DETAIL**  
 1" = 1'-0"



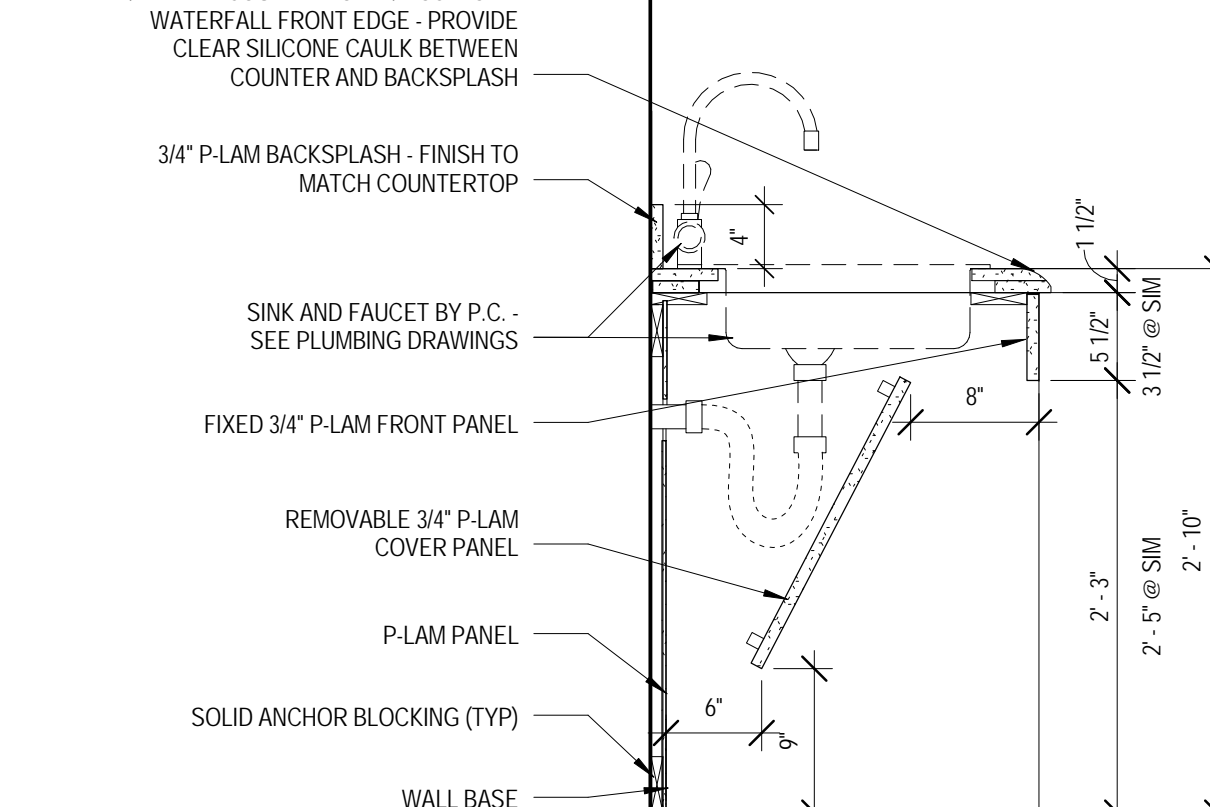
**2 MILLWORK DETAIL**  
 1" = 1'-0"



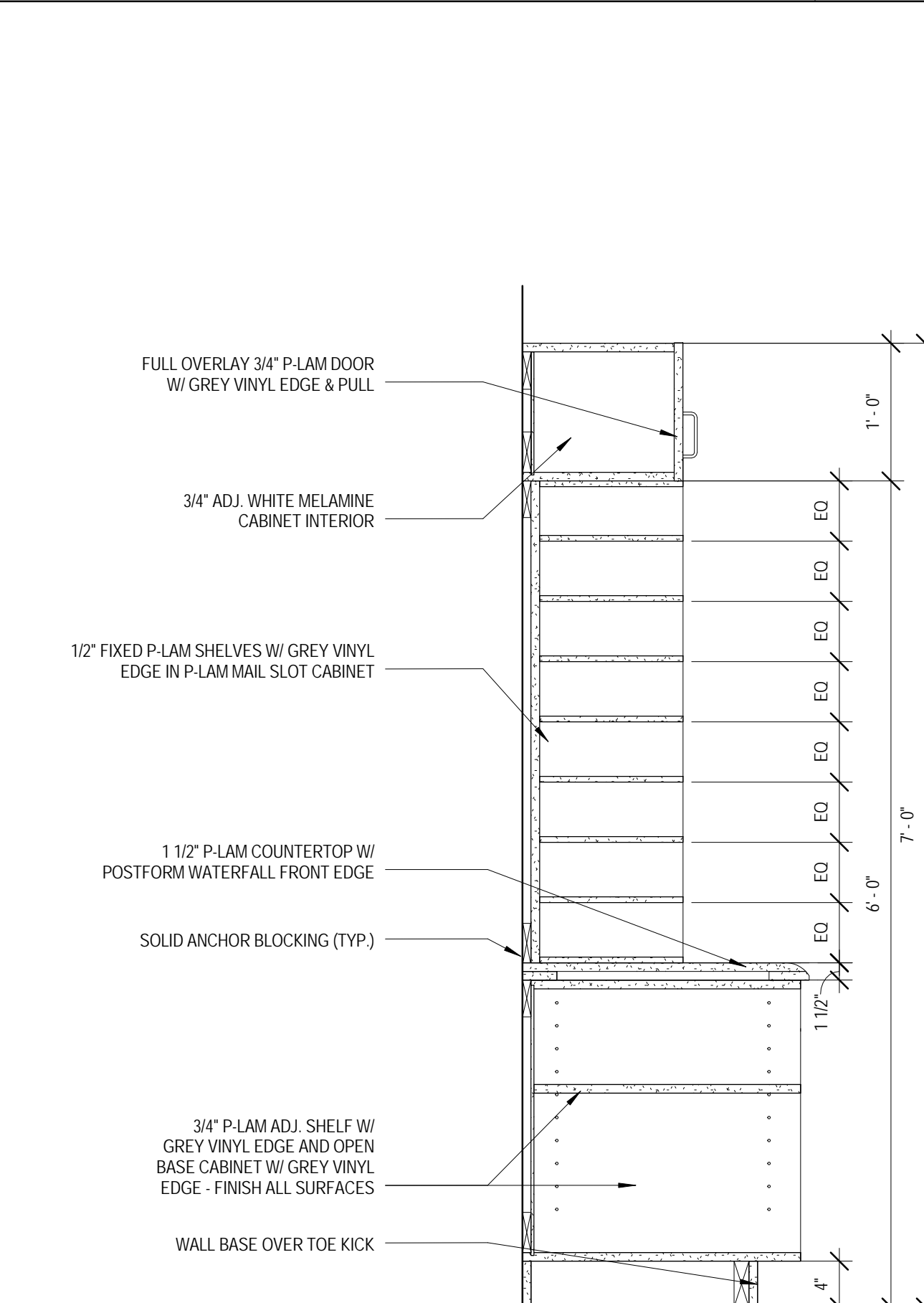
**6 MILLWORK DETAIL**  
 1" = 1'-0"



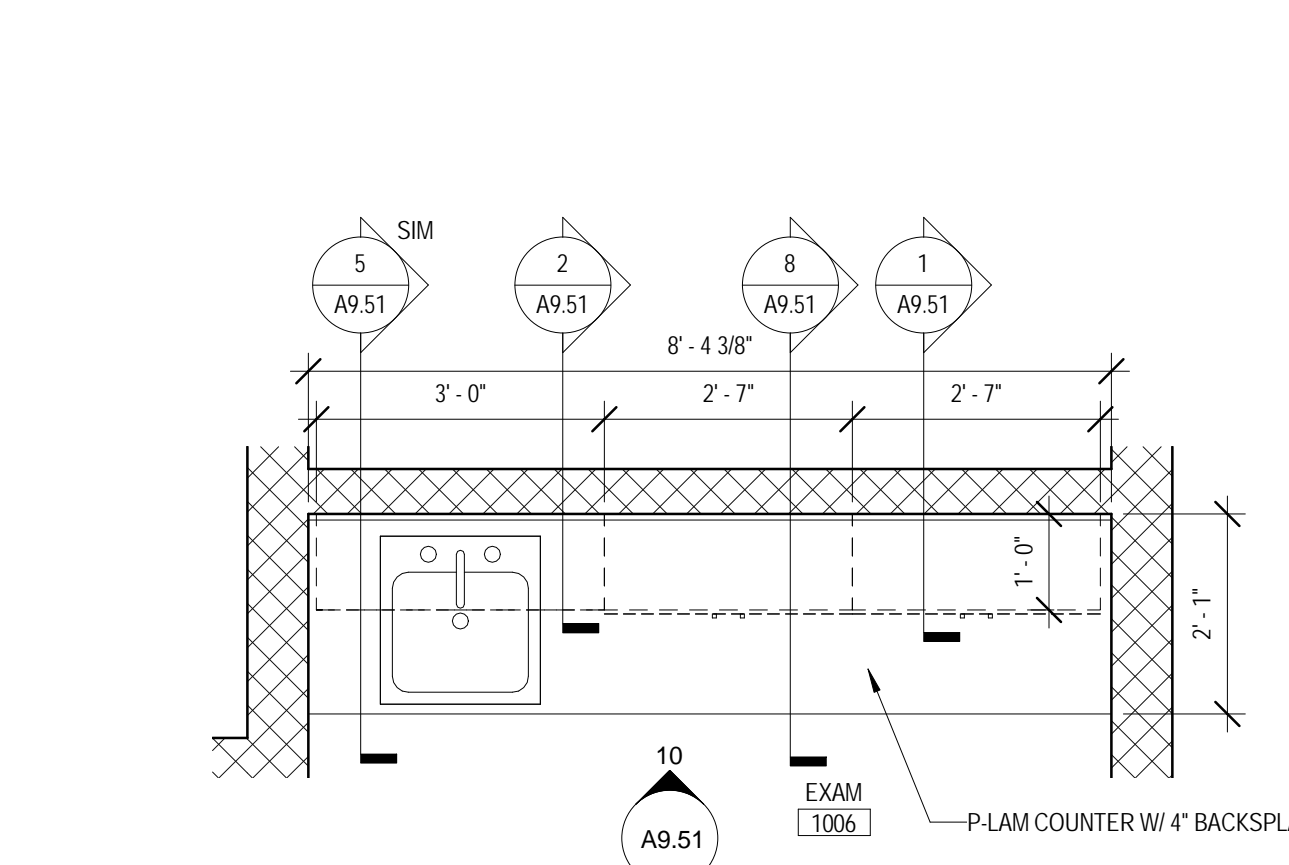
**1 MILLWORK DETAIL**  
 1" = 1'-0"



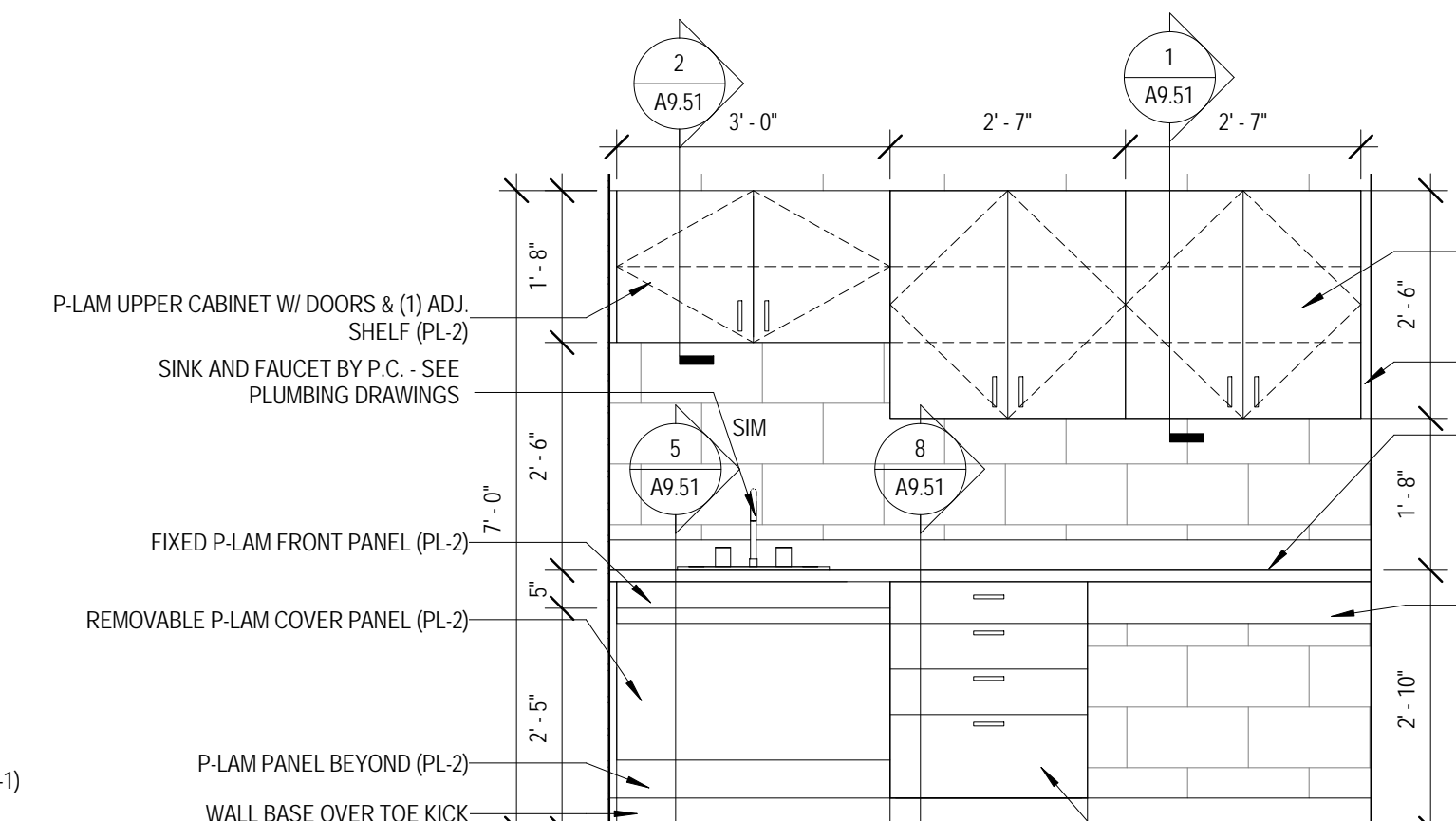
**5 MILLWORK DETAIL**  
 1" = 1'-0"



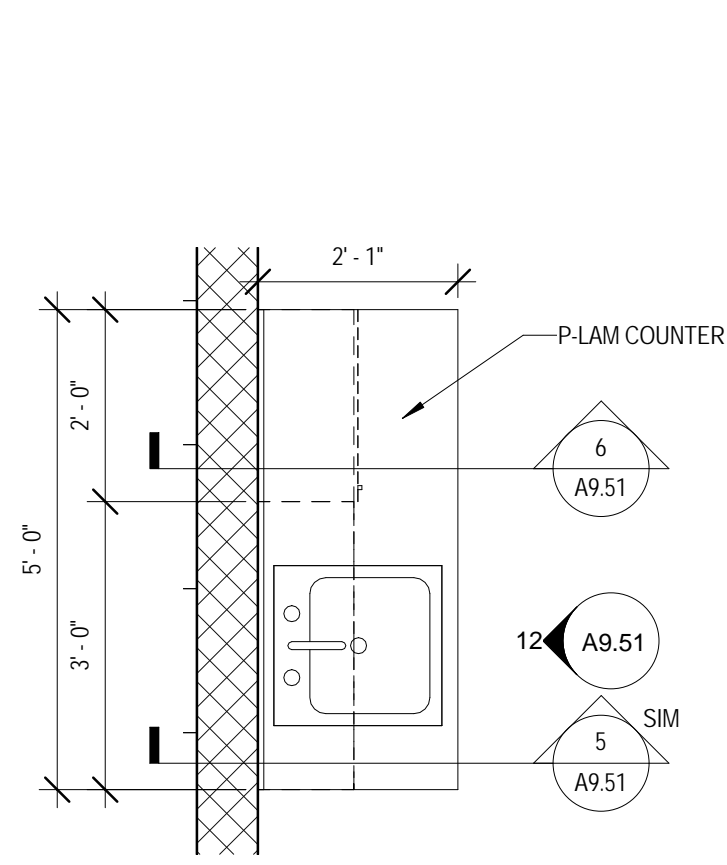
**4 MILLWORK DETAIL**  
 1" = 1'-0"



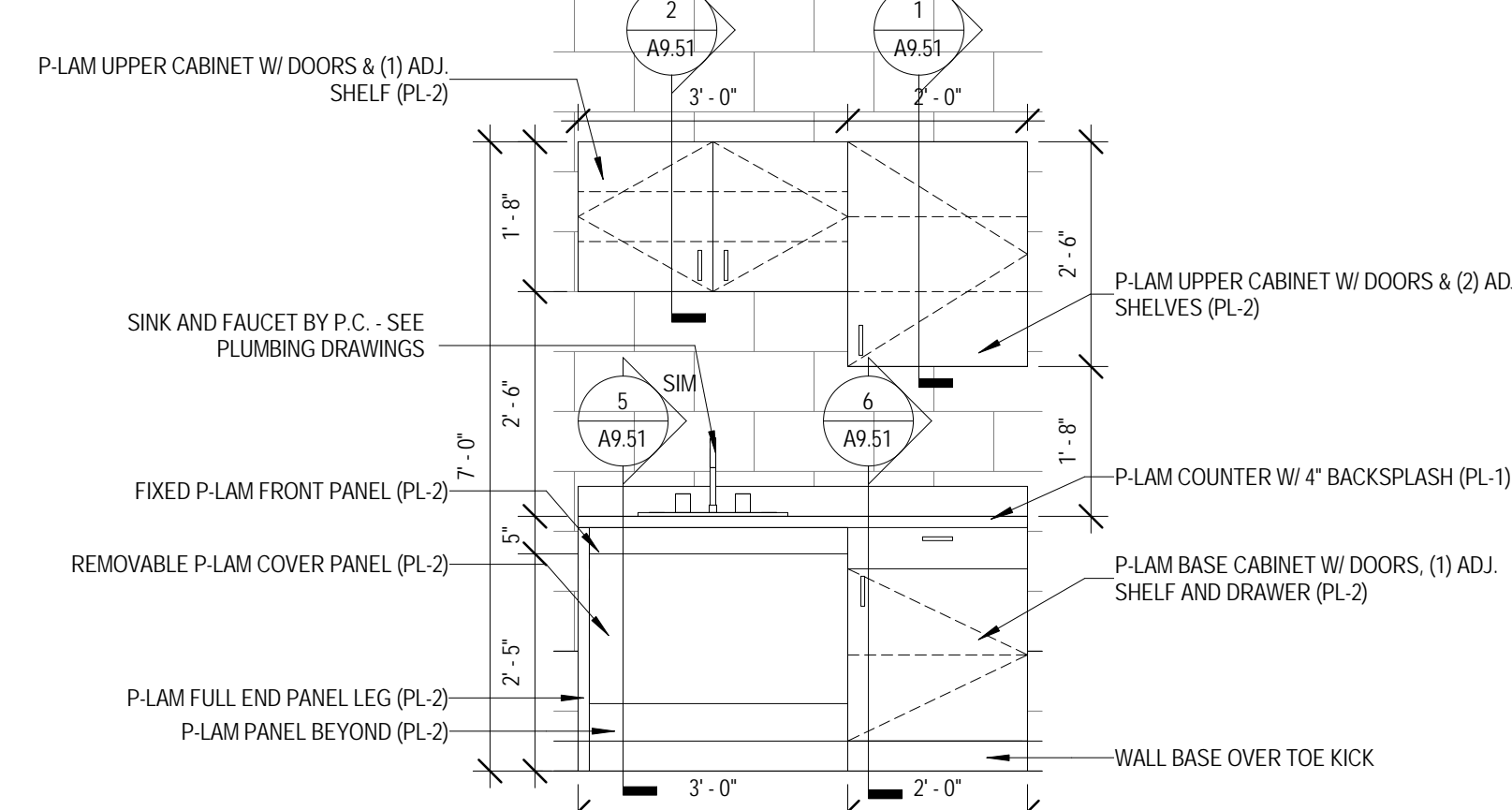
**9 ENLARGED PLAN - MILLWORK - EXAM 1006**  
 1/2" = 1'-0"



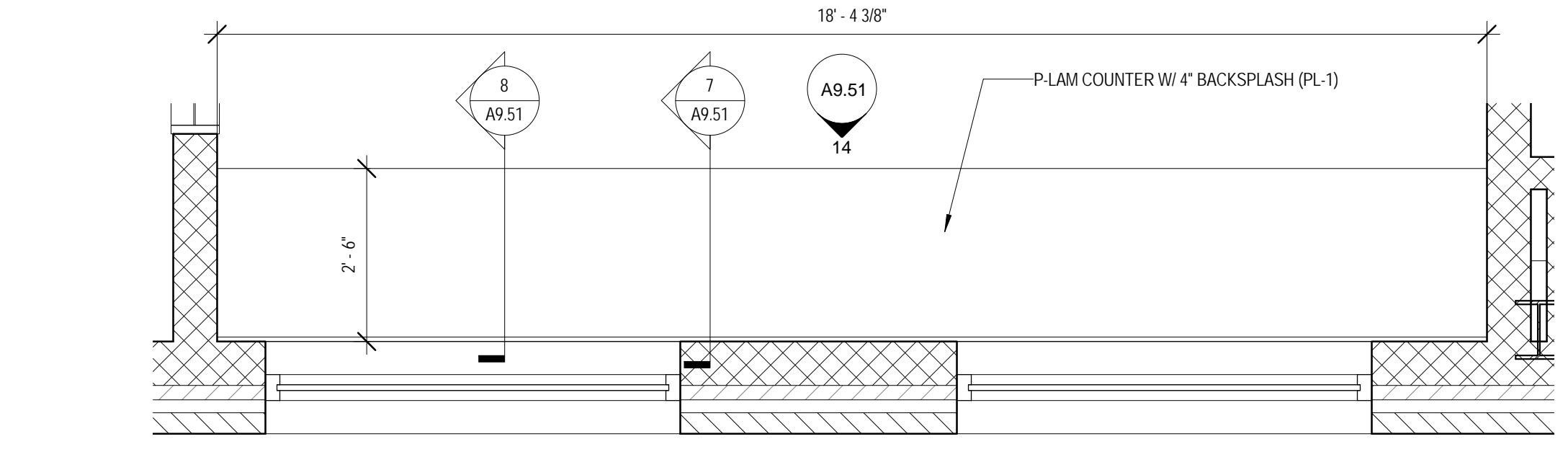
**10 MILLWORK ELEVATION - EXAM 1006 NORTH**  
 1/2" = 1'-0"



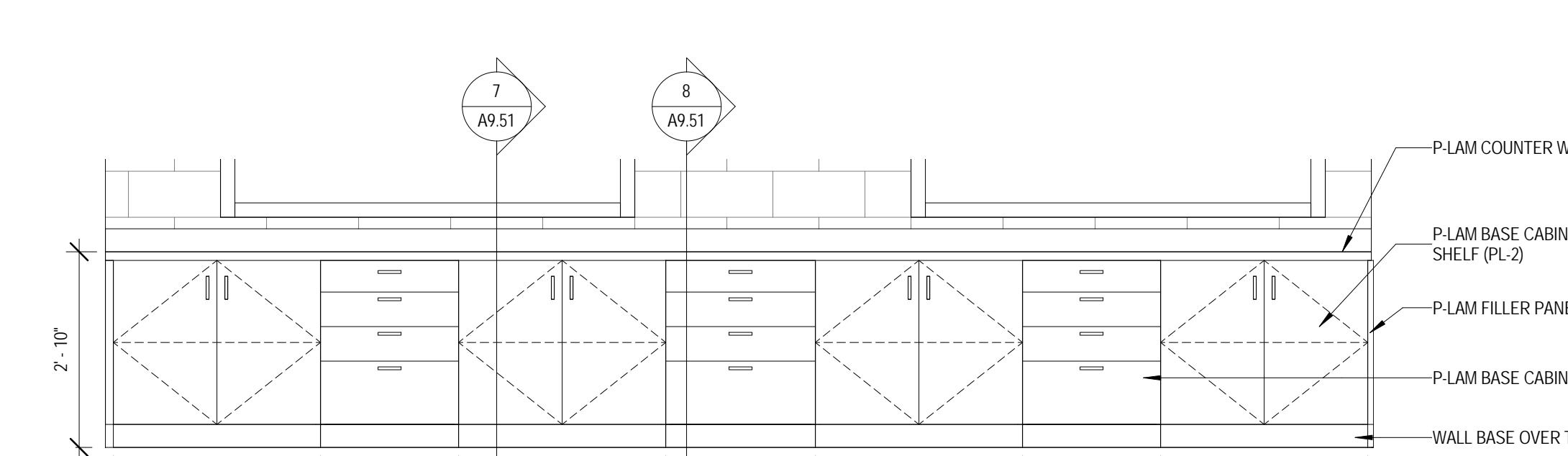
**11 ENLARGED PLAN - MILLWORK - HYDROTHERAPY 1008**  
 1/2" = 1'-0"



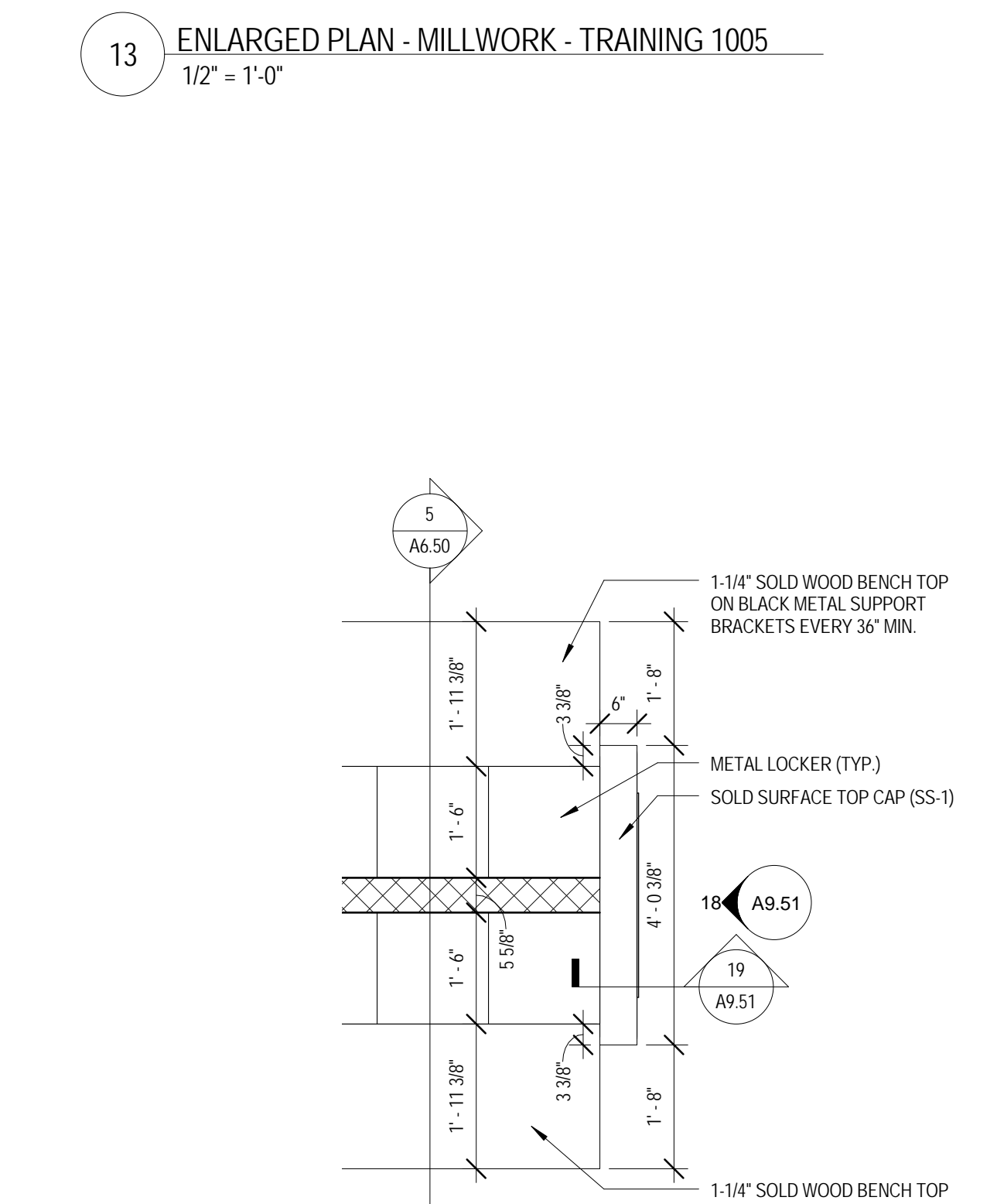
**12 MILLWORK ELEVATION - HYDROTHERAPY 1008 WEST**  
 1/2" = 1'-0"



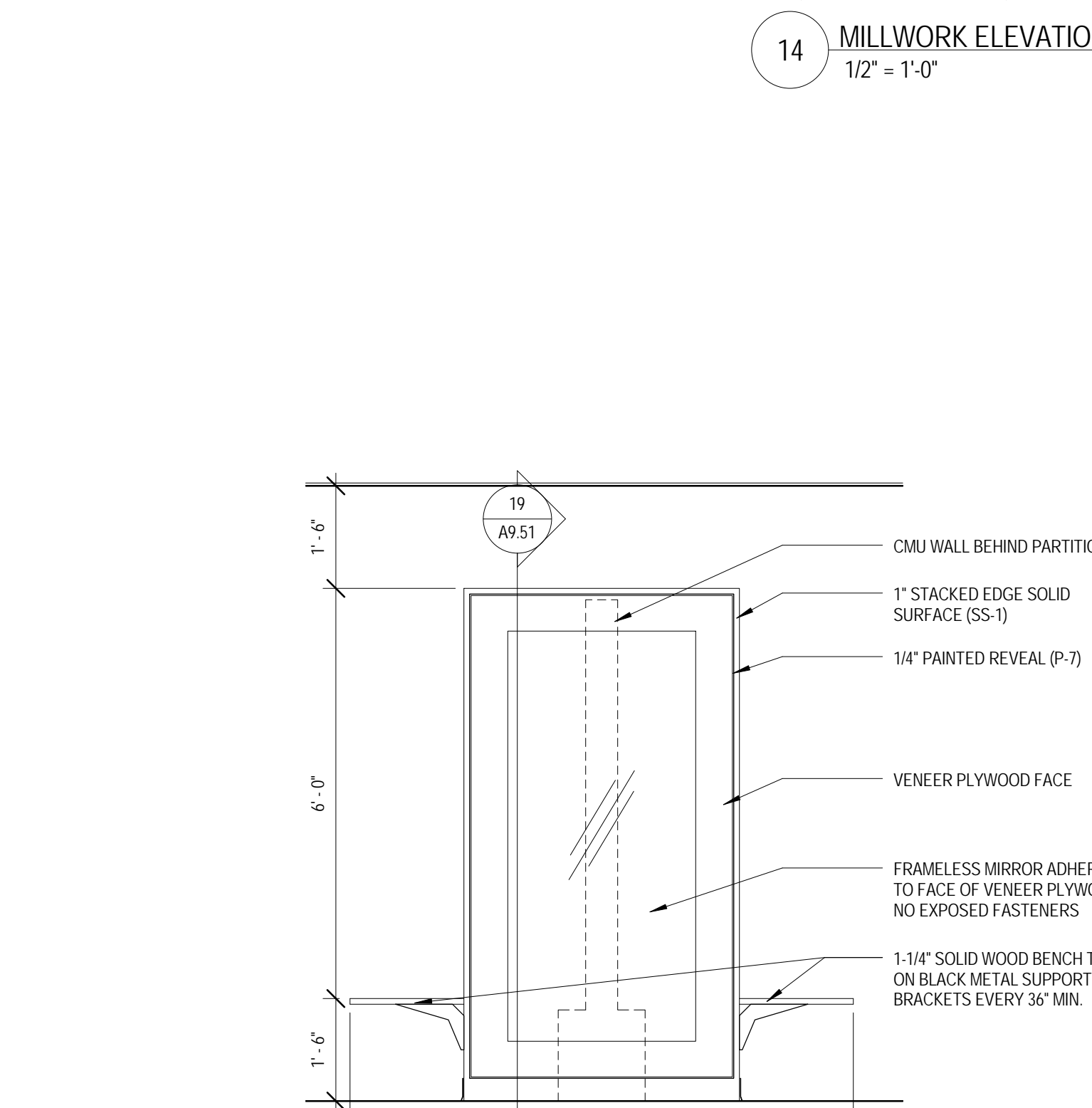
**13 ENLARGED PLAN - MILLWORK - TRAINING 1005**  
 1/2" = 1'-0"



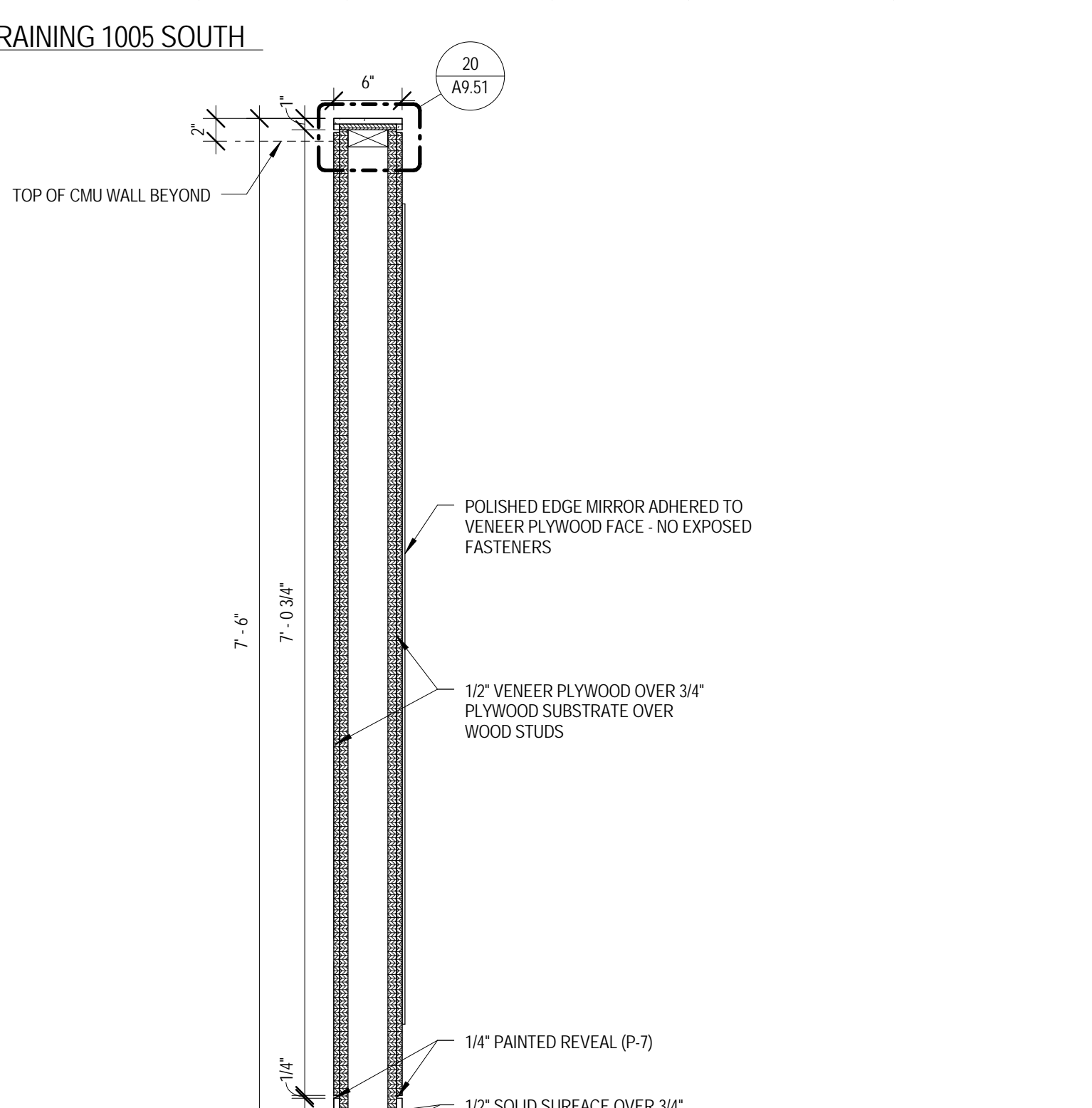
**14 MILLWORK ELEVATION - TRAINING 1005 SOUTH**  
 1/2" = 1'-0"



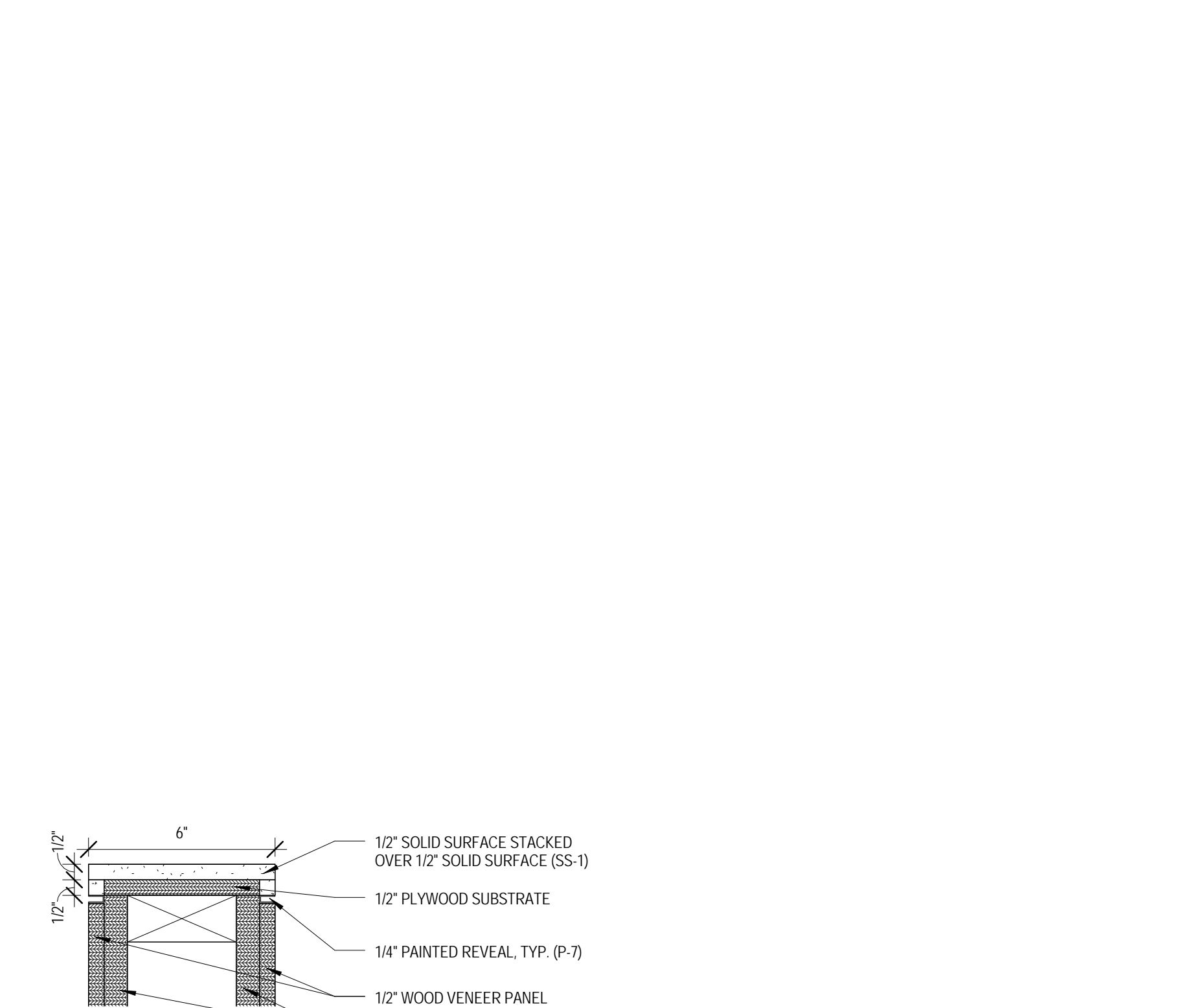
**17 ENLARGED PLAN - MILLWORK - LOCKER ROOM MIRROR PARTITION**  
 1/2" = 1'-0"



**18 MILLWORK ELEVATION - LOCKER ROOM MIRROR PARTITION**  
 1/2" = 1'-0"



**19 MILLWORK SECTION - LOCKER ROOM MIRROR PARTITION**  
 1" = 1'-0"

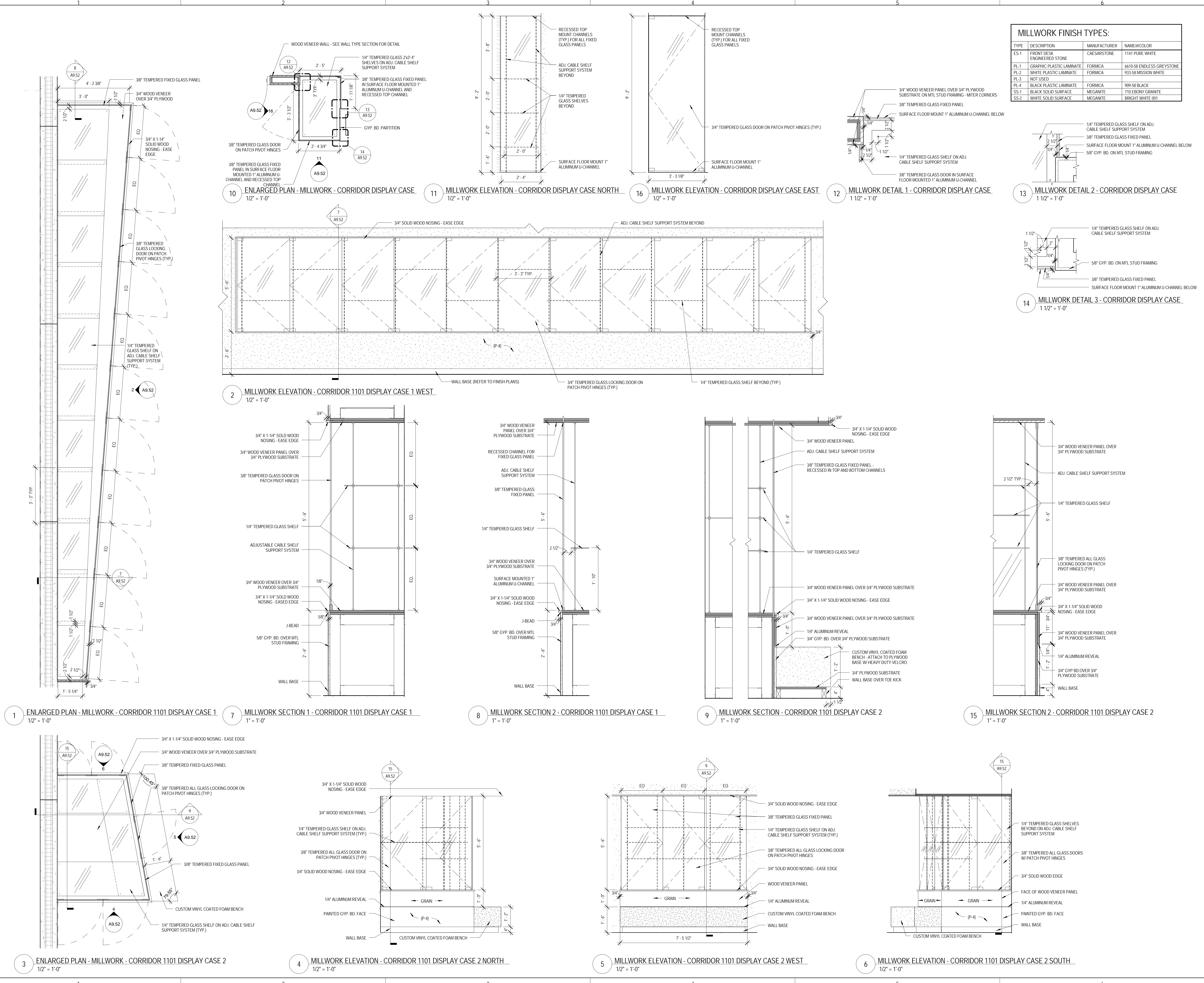


**20 MILLWORK SECTION DETAIL - LOCKER ROOM MIRROR PARTITION**  
 3" = 1'-0"

NO.	DESCRIPTION:	DATE:

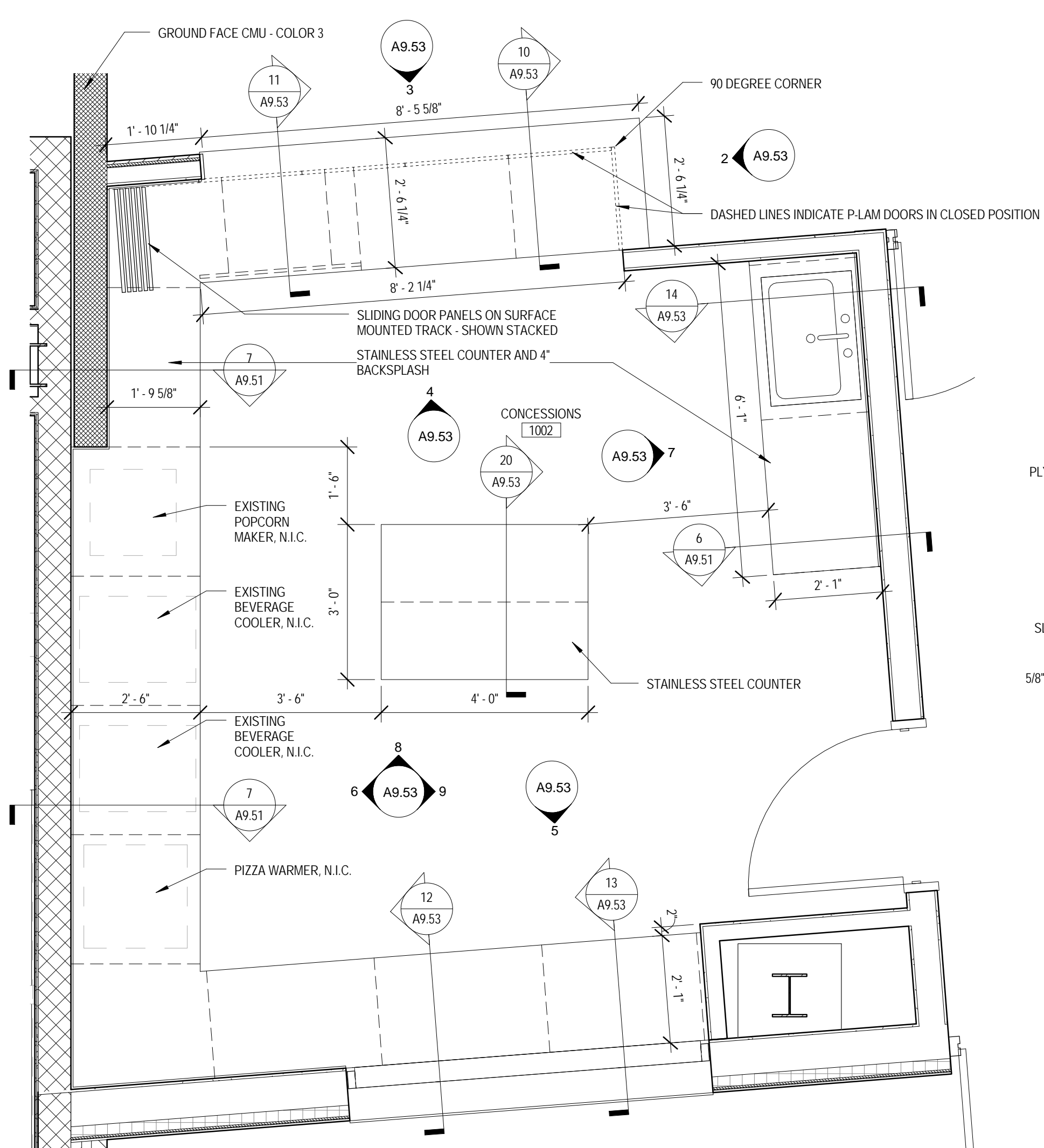
**MILLWORK FINISH TYPES:**

TYPE	DESCRIPTION	MANUFACTURER	NAME/COLOR
ES-1	FRONT DESK ENGINEERED STONE	CAESARSTONE	1141 PURE WHITE
PL-1	GRAPHIC PLASTIC LAMINATE	FORMICA	6610-38 ENDLESS GREYSTONE
PL-2	WHITE PLASTIC LAMINATE	FORMICA	933-58 MISSION WHITE
PL-3	NOT USED		
PL-4	BLACK PLASTIC LAMINATE	FORMICA	909-58 BLACK
SS-1	BLACK SOLID SURFACE	MEGANITE	710 EBONY GRANITE
SS-2	WHITE SOLID SURFACE	MEGANITE	BRIGHT WHITE 001

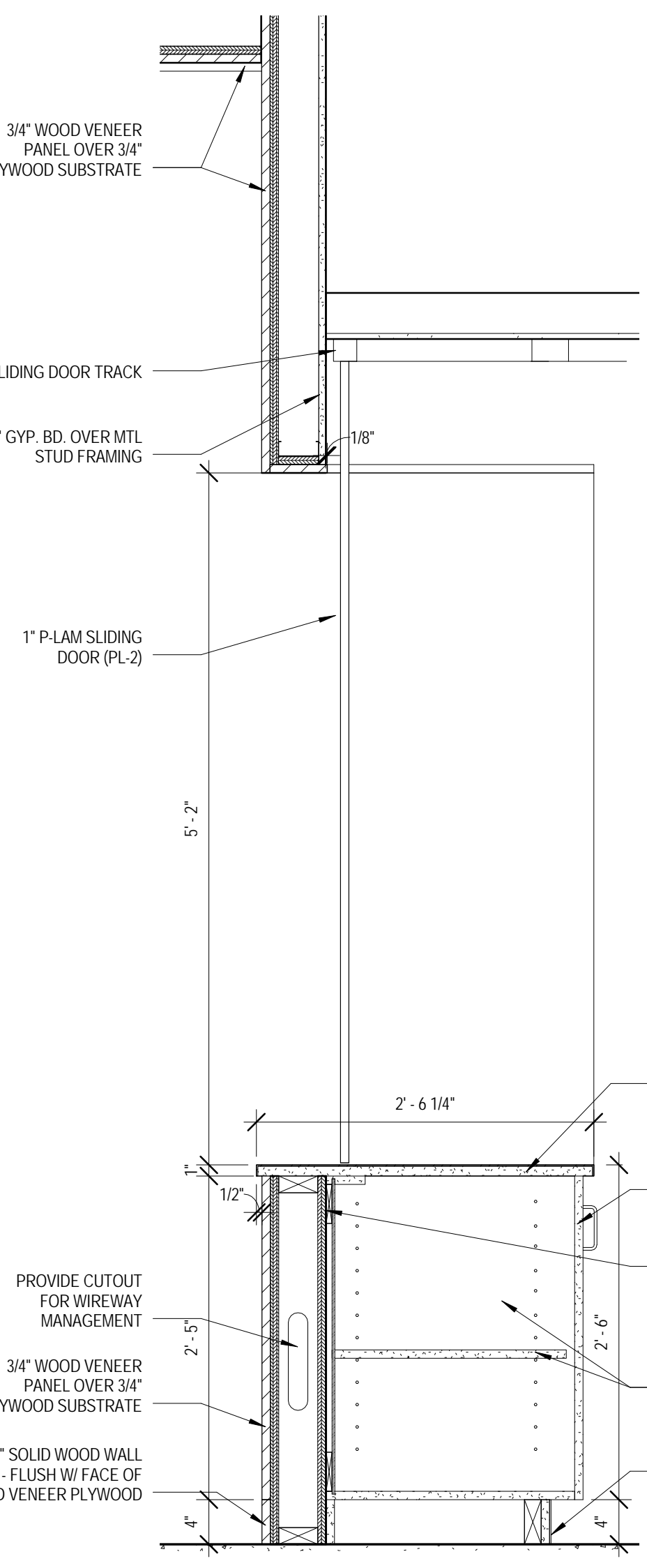




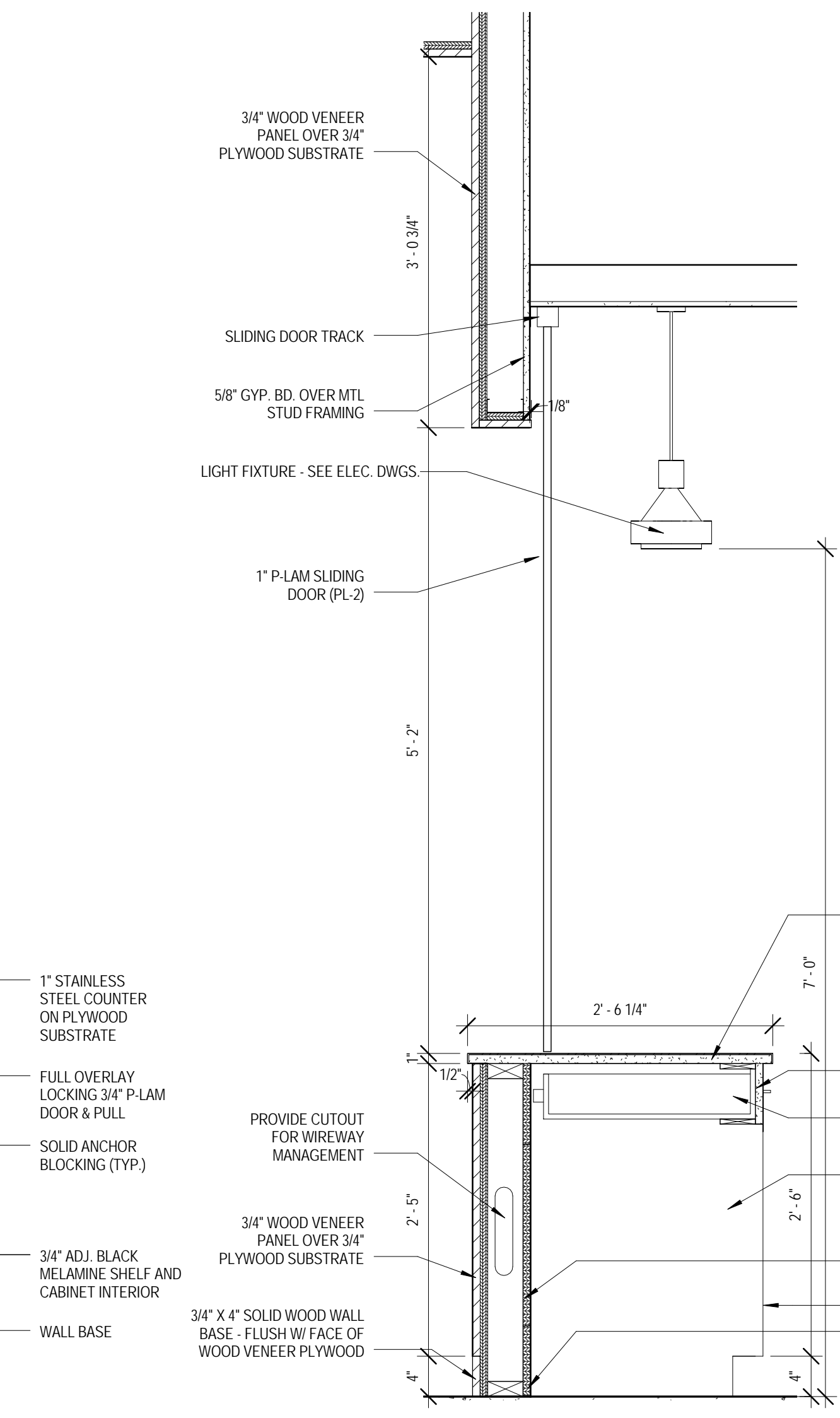
MILLWORK FINISH TYPES:			
TYPE	DESCRIPTION	MANUFACTURER	NAME/COLOR
ES-1	FRONT DESK ENGINEERED STONE	CAESARSTONE	1141 PURE WHITE
PL-1	GRAPHIC PLASTIC LAMINATE	FORMICA	6610-58 ENDLESS GREYSTONE
PL-2	WHITE PLASTIC LAMINATE	FORMICA	933-58 MISSION WHITE
PL-3	NOT USED		
PL-4	BLACK PLASTIC LAMINATE	FORMICA	989-58 BLACK
SS-1	BLACK SOLID SURFACE	MEGANITE	710 EBONY GRANITE
SS-2	WHITE SOLID SURFACE	MEGANITE	BRIGHT WHITE 001



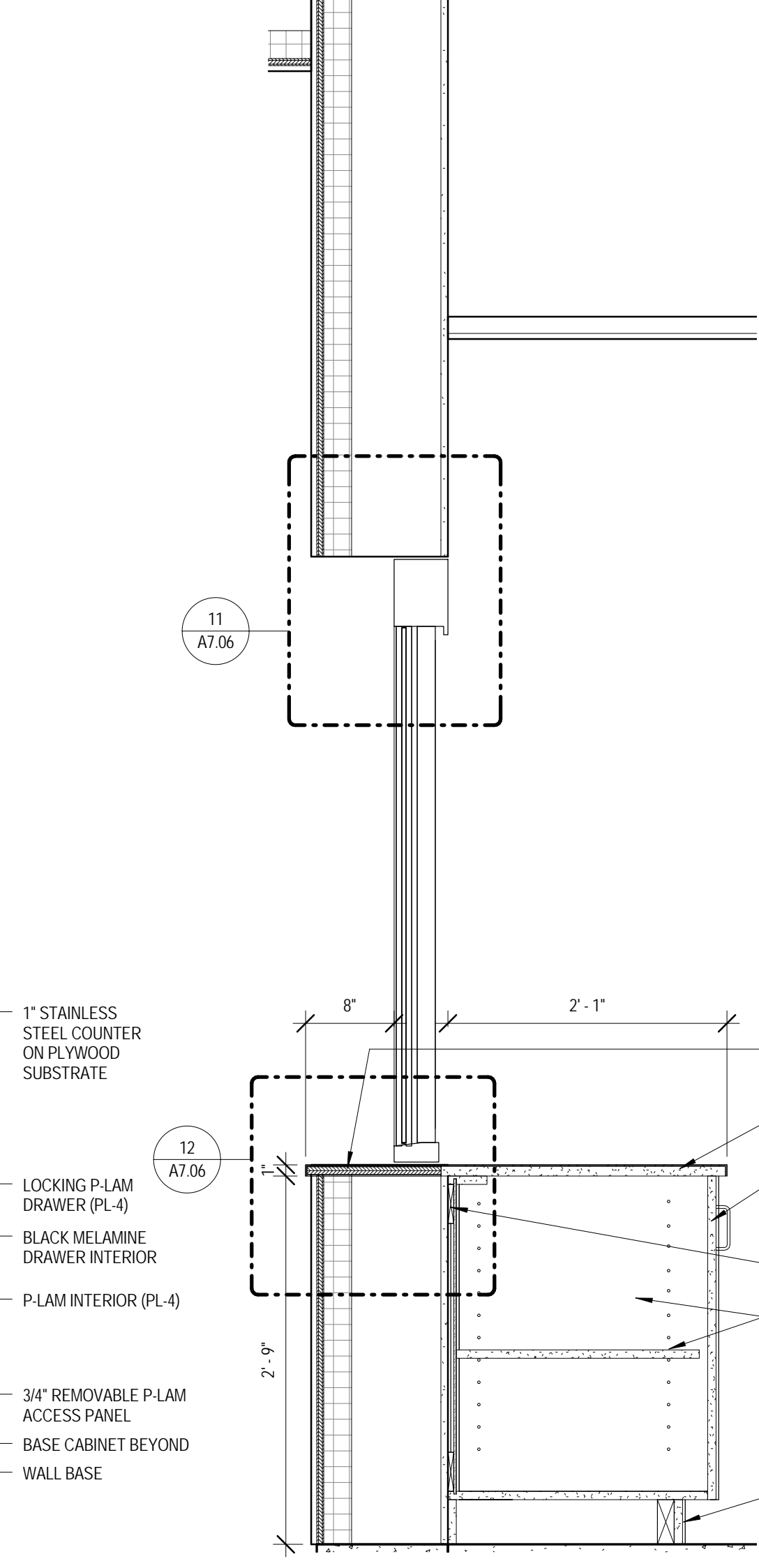
**1 ENLARGED PLAN - MILLWORK - CONCESSIONS 1002**  
 1/2" = 1'-0"



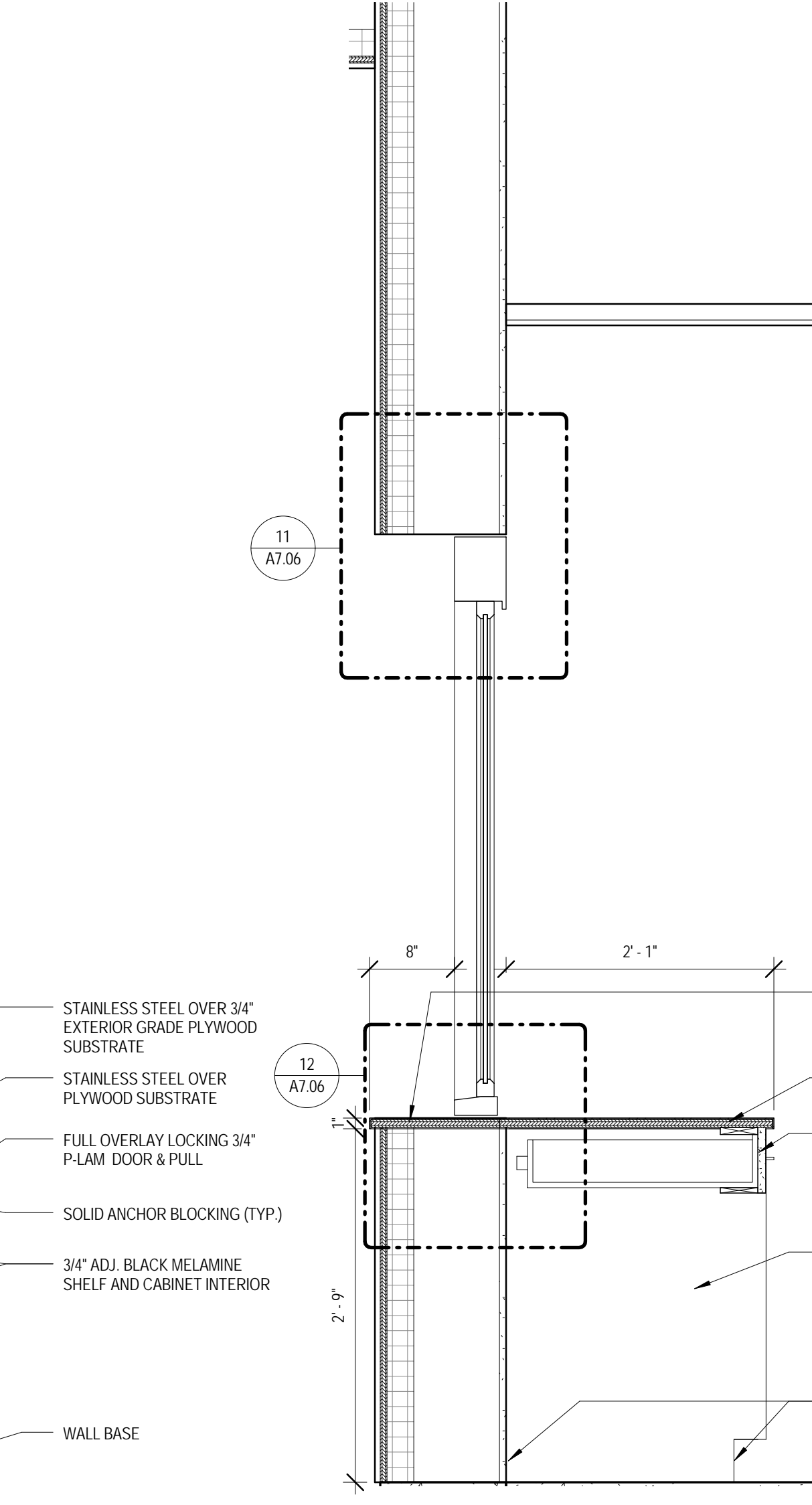
**20 MILLWORK SECTION - WORK ISLAND**  
 1" = 1'-0"



**10 MILLWORK SECTION 1 - CONCESSIONS 1002**  
 1" = 1'-0"



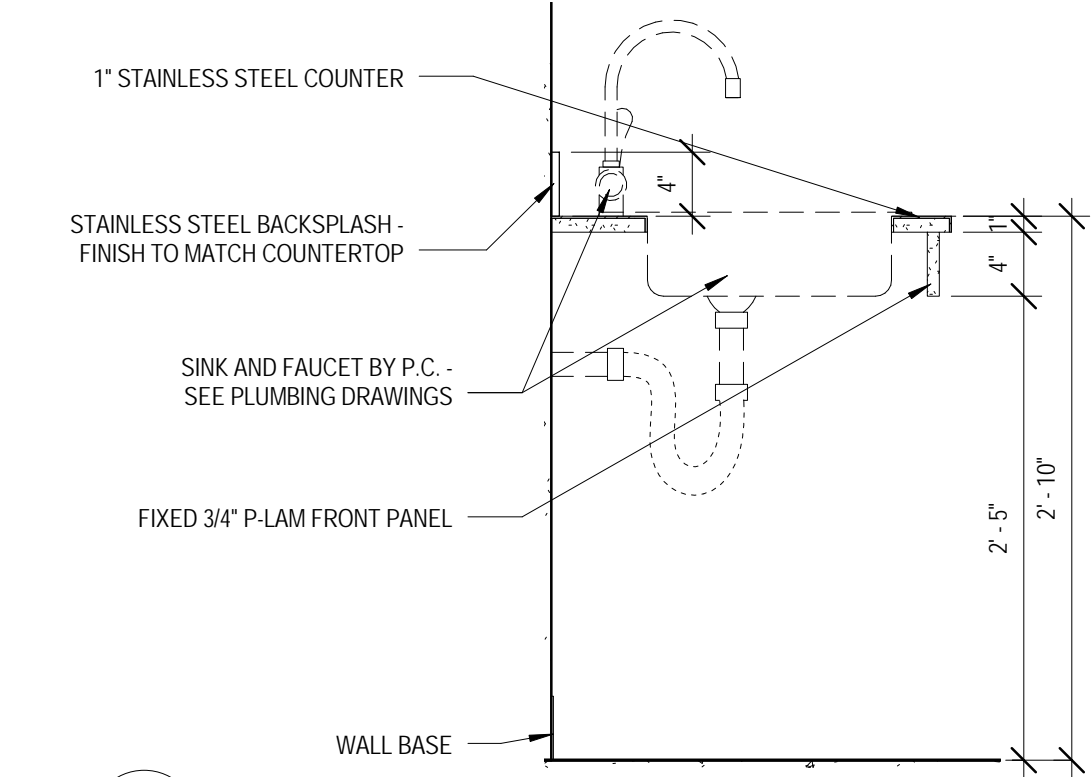
**11 MILLWORK SECTION 2 - CONCESSIONS 1002**  
 1" = 1'-0"



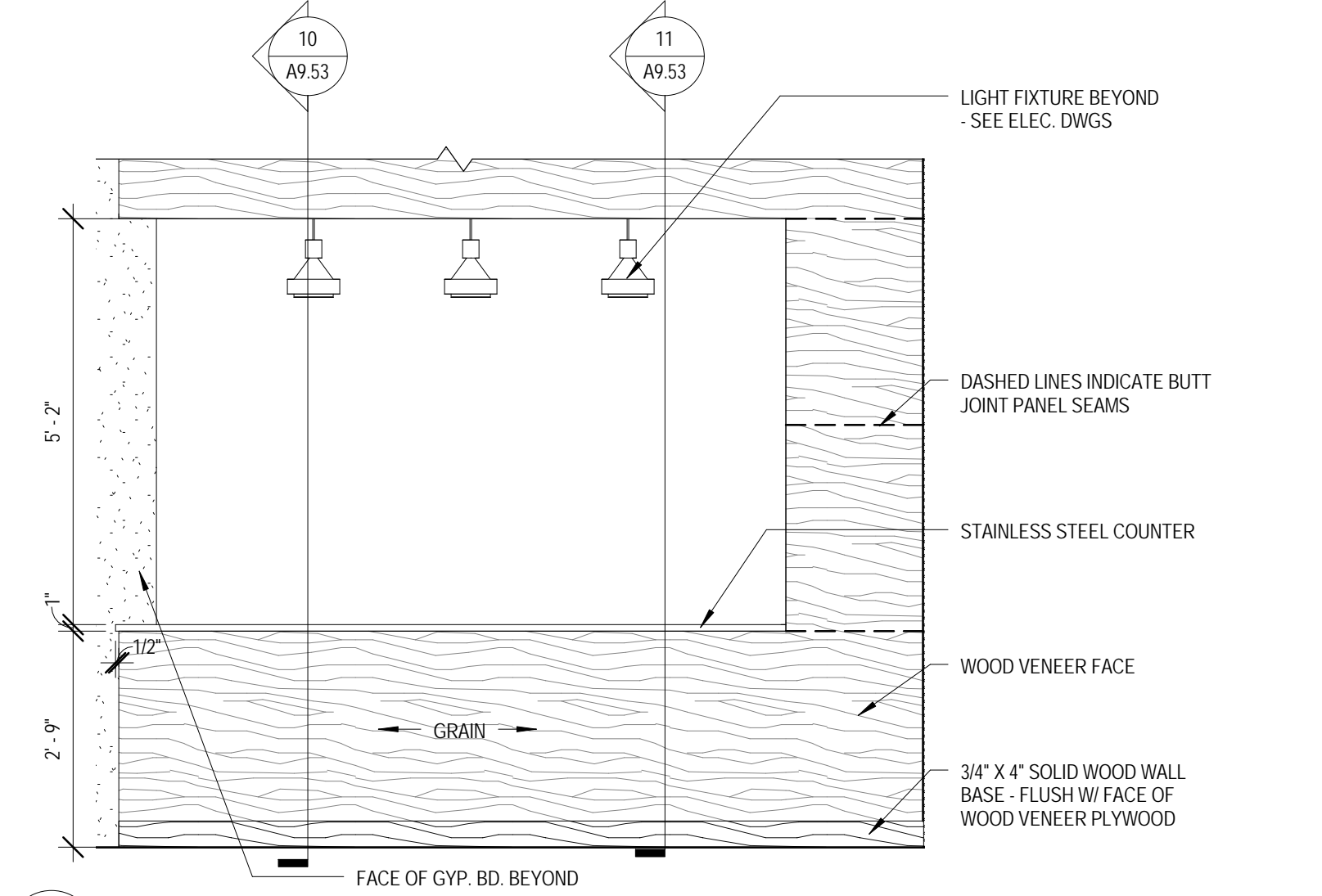
**12 MILLWORK SECTION 3 - CONCESSIONS 1002**  
 1" = 1'-0"



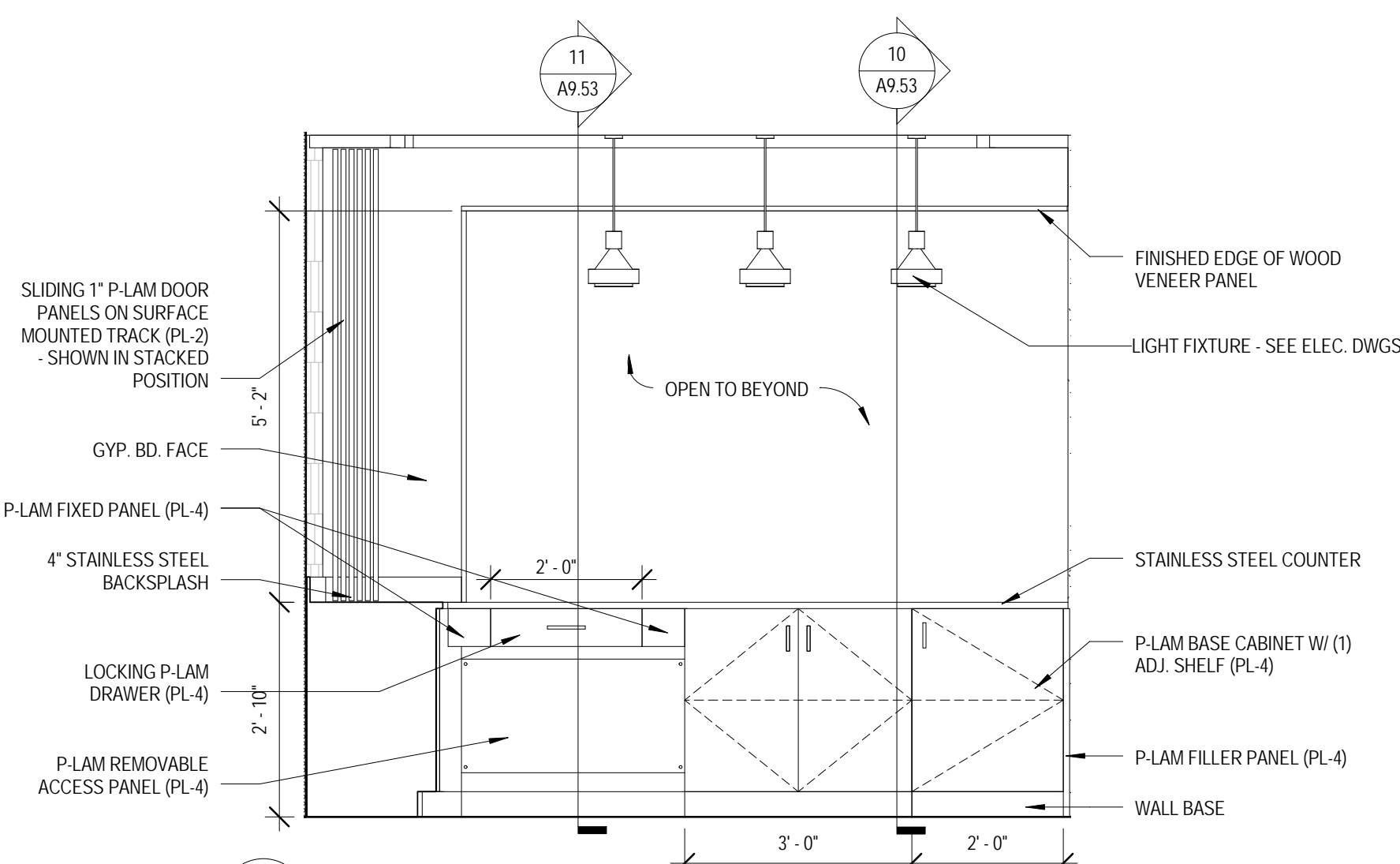
**13 MILLWORK SECTION 4 - CONCESSIONS 1002**  
 1" = 1'-0"



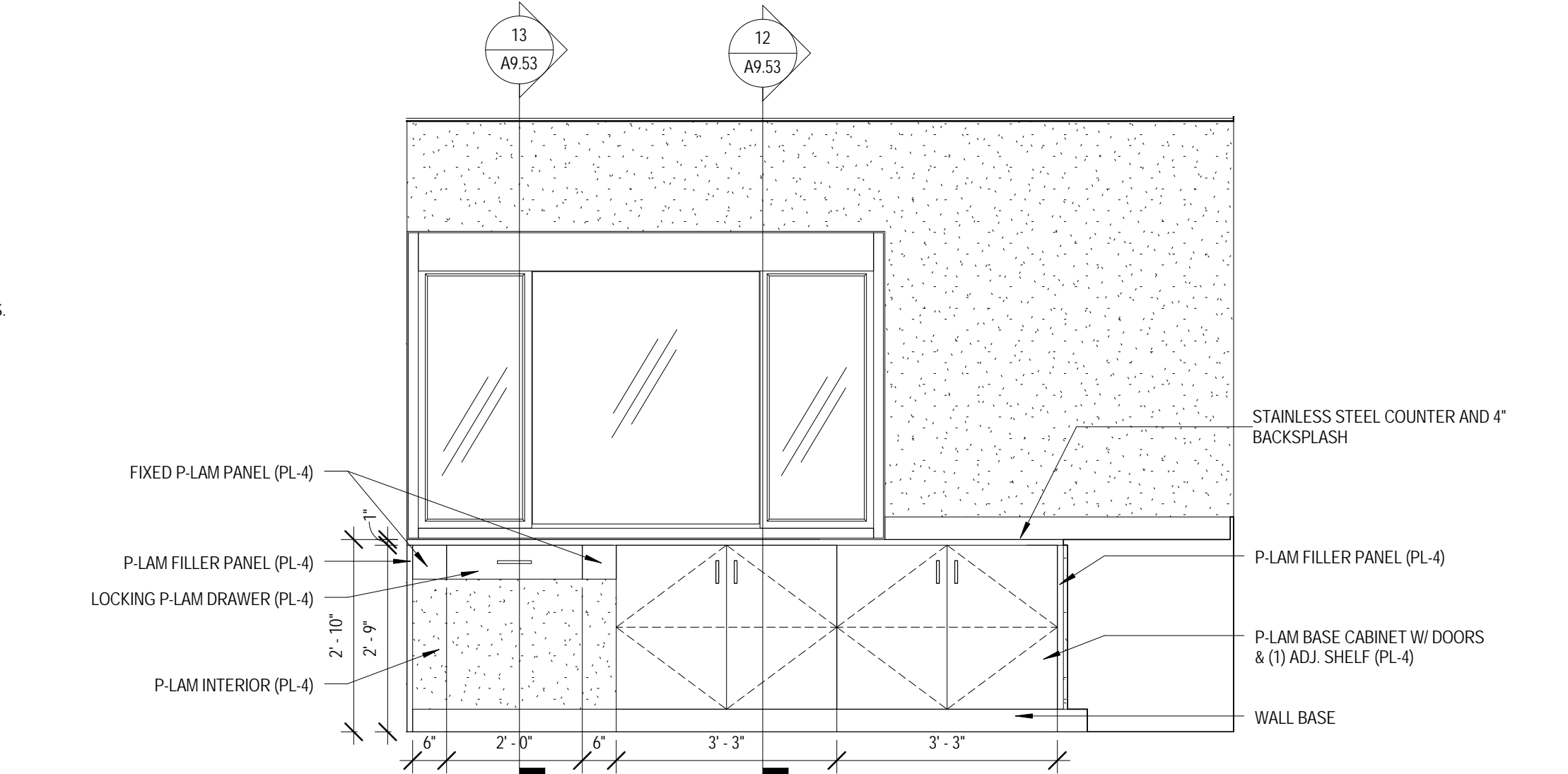
**14 MILLWORK SECTION - WASH SINK**  
 1" = 1'-0"



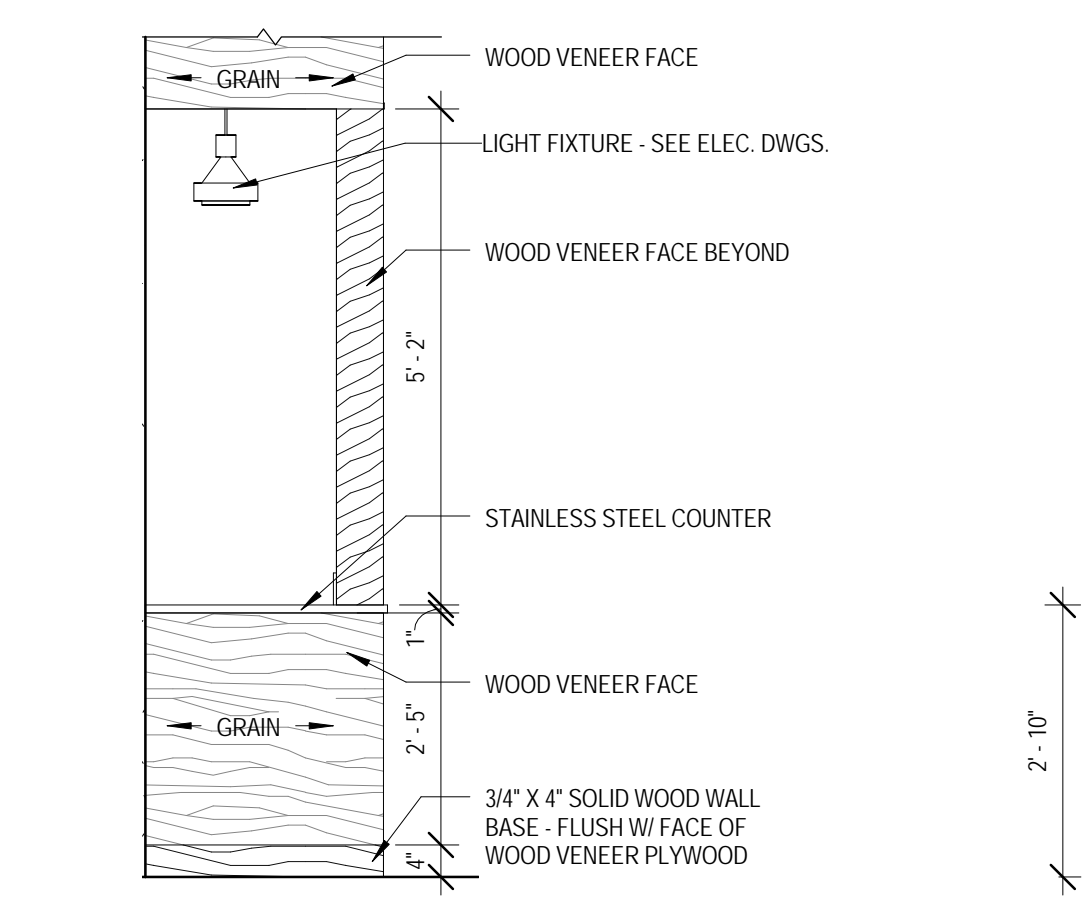
**3 MILLWORK ELEVATION - CONCESSIONS 1002 SOUTH**  
 1/2" = 1'-0"



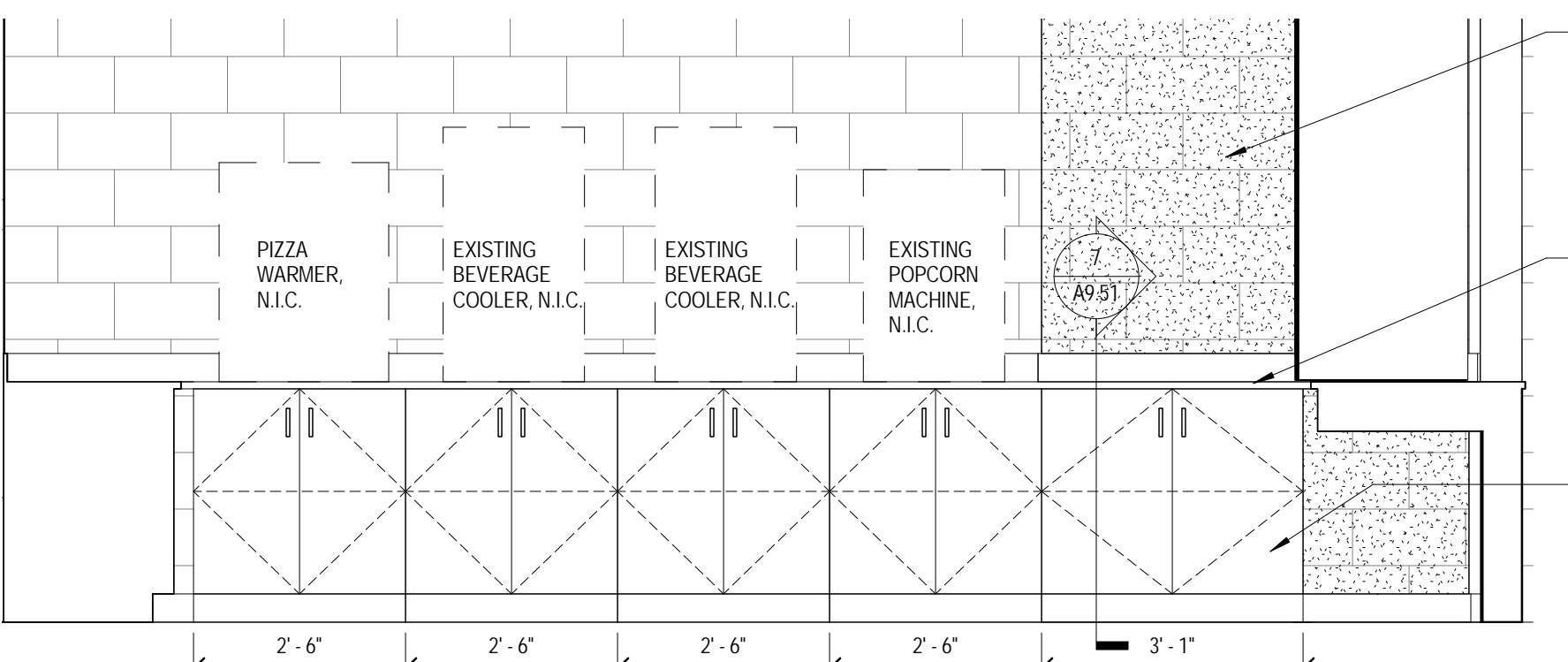
**4 MILLWORK ELEVATION - CONCESSIONS 1002 INTERIOR NORTH**  
 1/2" = 1'-0"



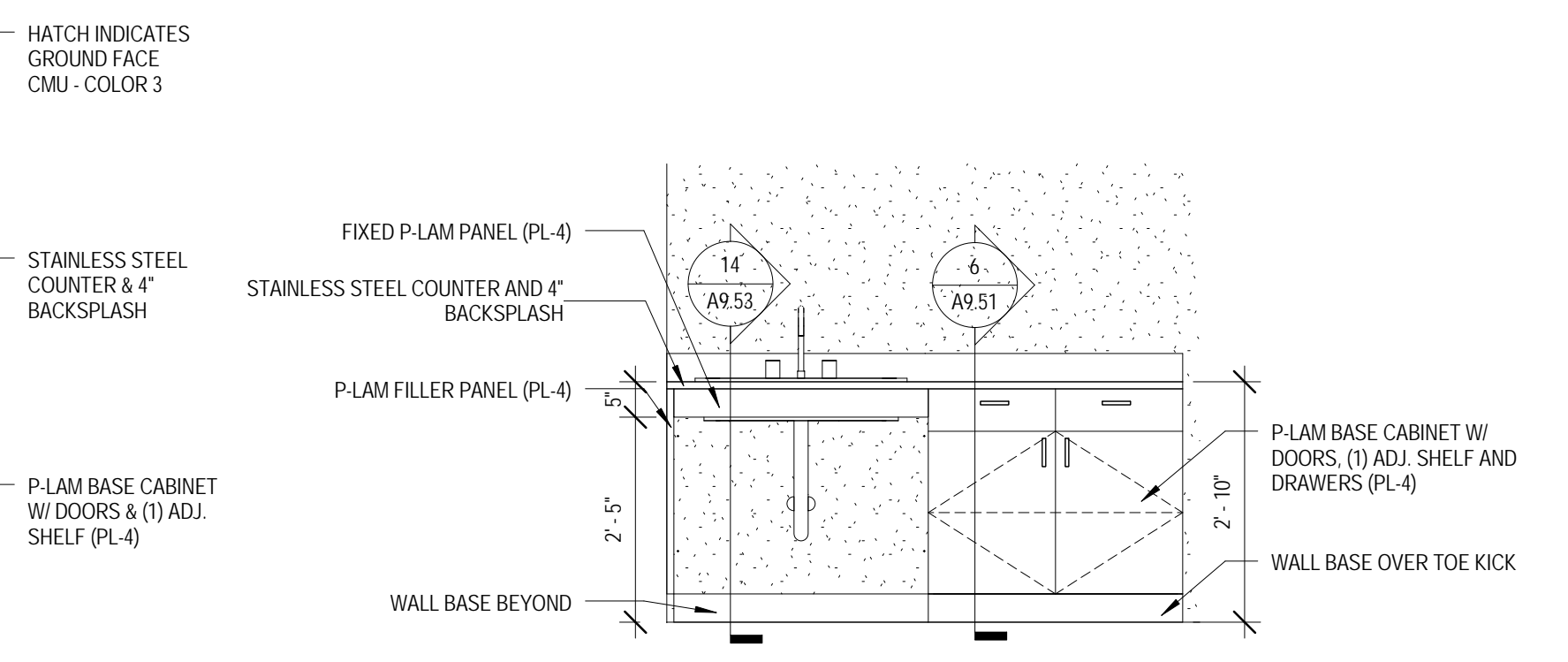
**5 MILLWORK ELEVATION - CONCESSIONS 1002 INTERIOR SOUTH**  
 1/2" = 1'-0"



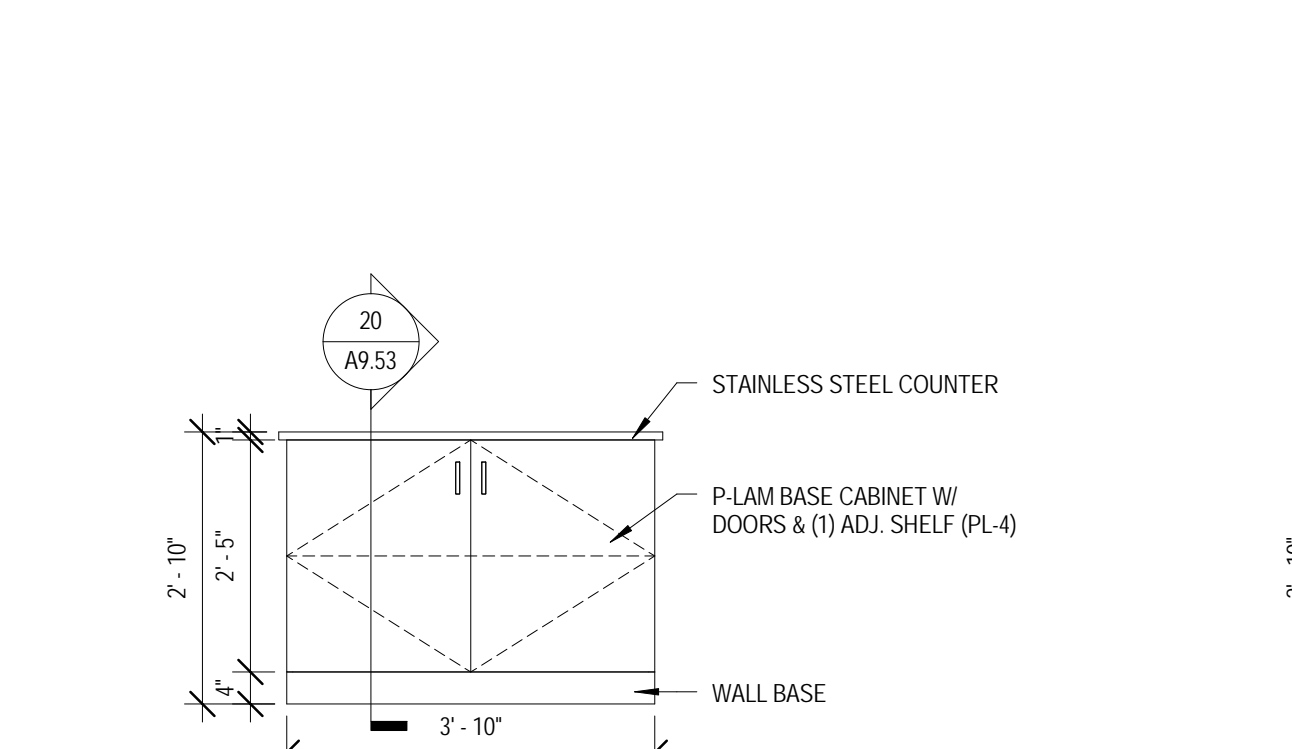
**2 MILLWORK ELEVATION - CONCESSIONS 1002 WEST**  
 1/2" = 1'-0"



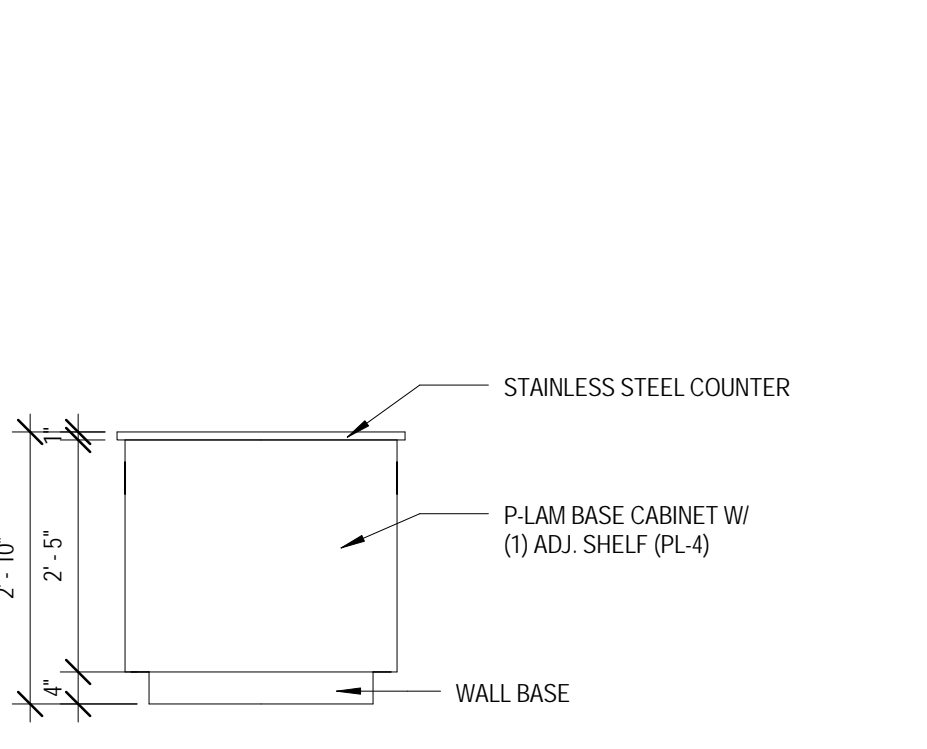
**6 MILLWORK ELEVATION - CONCESSIONS 1002 INTERIOR WEST**  
 1/2" = 1'-0"



**7 MILLWORK ELEVATION - CONCESSIONS 1002 INTERIOR EAST**  
 1/2" = 1'-0"



**8 MILLWORK ELEVATION - CONCESSIONS 1002 ISLAND NORTH**  
 1/2" = 1'-0"



**9 MILLWORK ELEVATION - CONCESSIONS 1002 ISLAND EAST**  
 1/2" = 1'-0"

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID**  
 PACKAGE 2

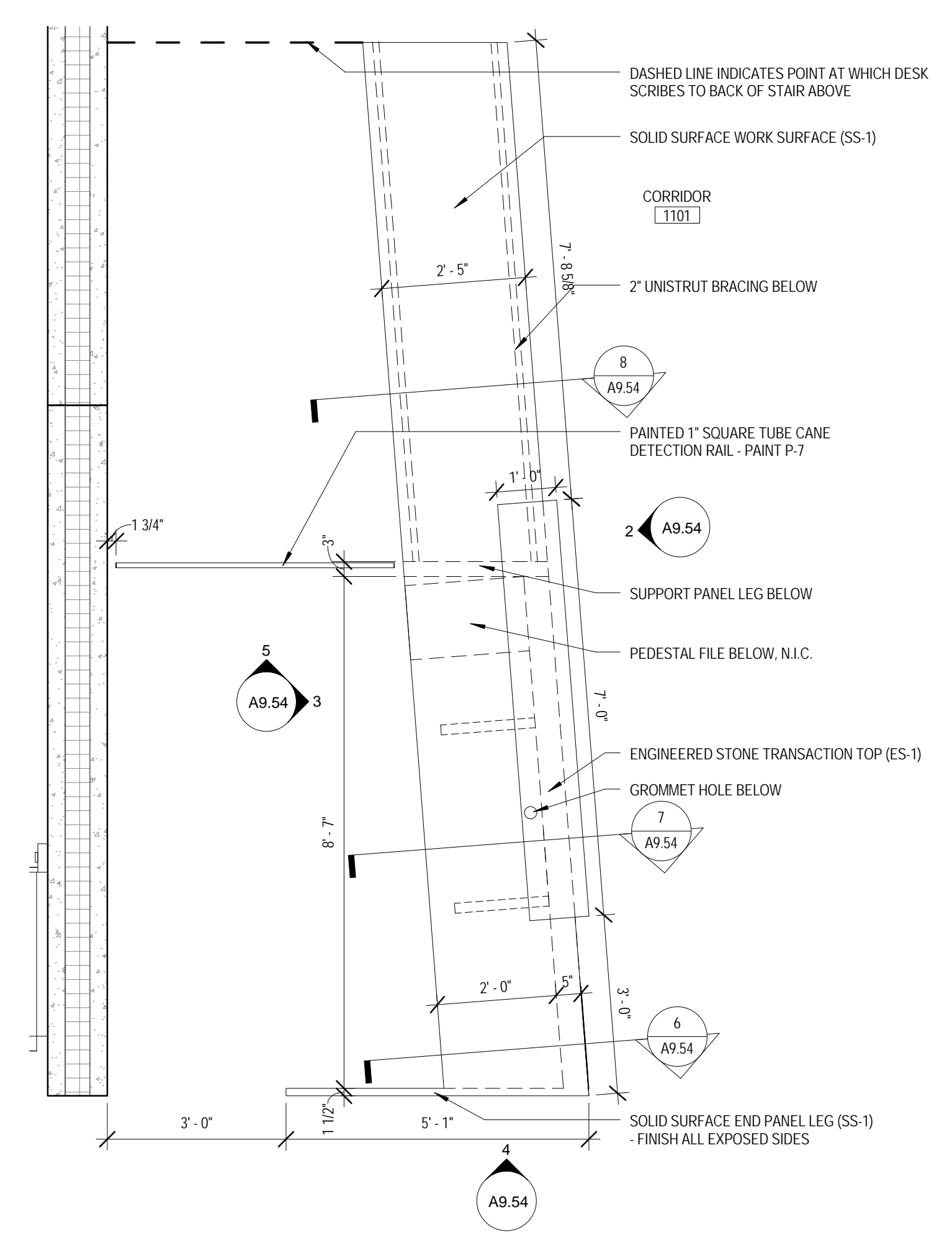
NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**MILLWORK DETAILS**

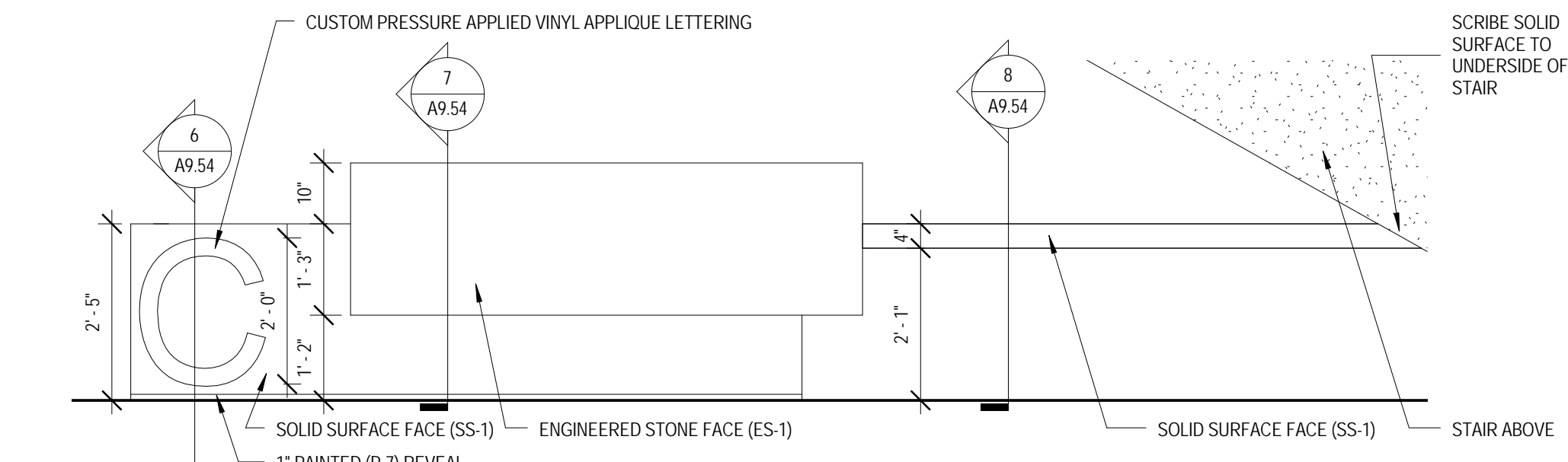
SHEET NUMBER:

**A9.53**

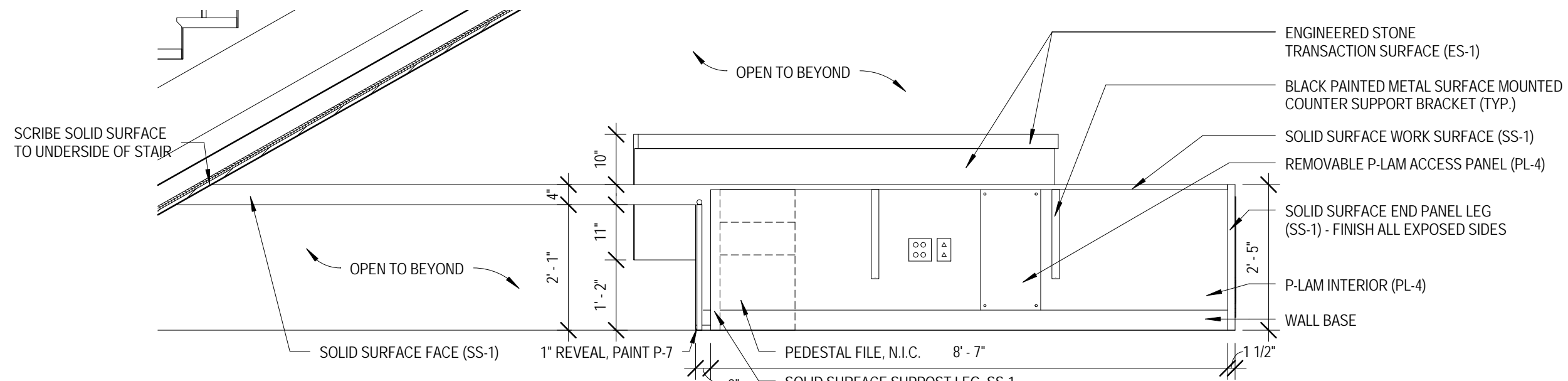
MILLWORK FINISH TYPES:			
TYPE	DESCRIPTION	MANUFACTURER	NAME/COLOR
ES-1	FRONT DESK ENGINEERED STONE	CAESARSTONE	1141 PURE WHITE
PL-1	GRAPHIC PLASTIC LAMINATE	FORMICA	4610-58 ENDLESS GREYSTONE
PL-2	WHITE PLASTIC LAMINATE	FORMICA	933-58 MISSION WHITE
PL-3	NOT USED		
PL-4	BLACK PLASTIC LAMINATE	FORMICA	909-58 BLACK
SS-1	BLACK SOLID SURFACE	MEGANITE	710 EBONY GRANITE
SS-2	WHITE SOLID SURFACE	MEGANITE	BRIGHT WHITE 001



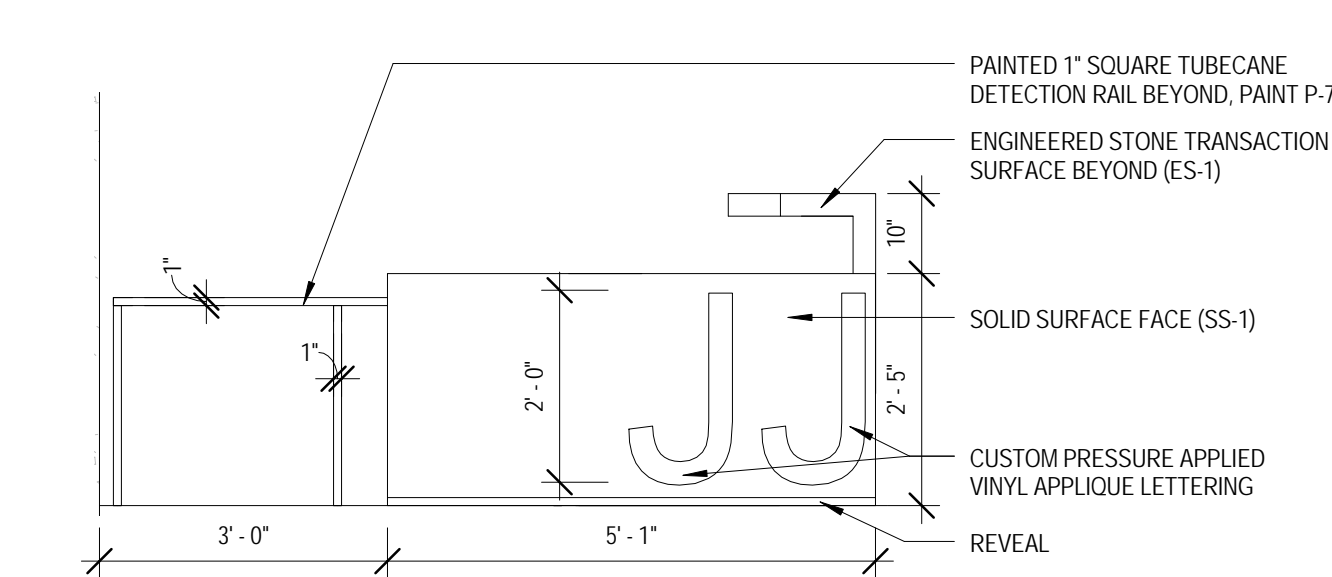
**1 ENLARGED PLAN - MILLWORK - CORRIDOR 1101 RECEPTION**  
 1/2" = 1'-0"



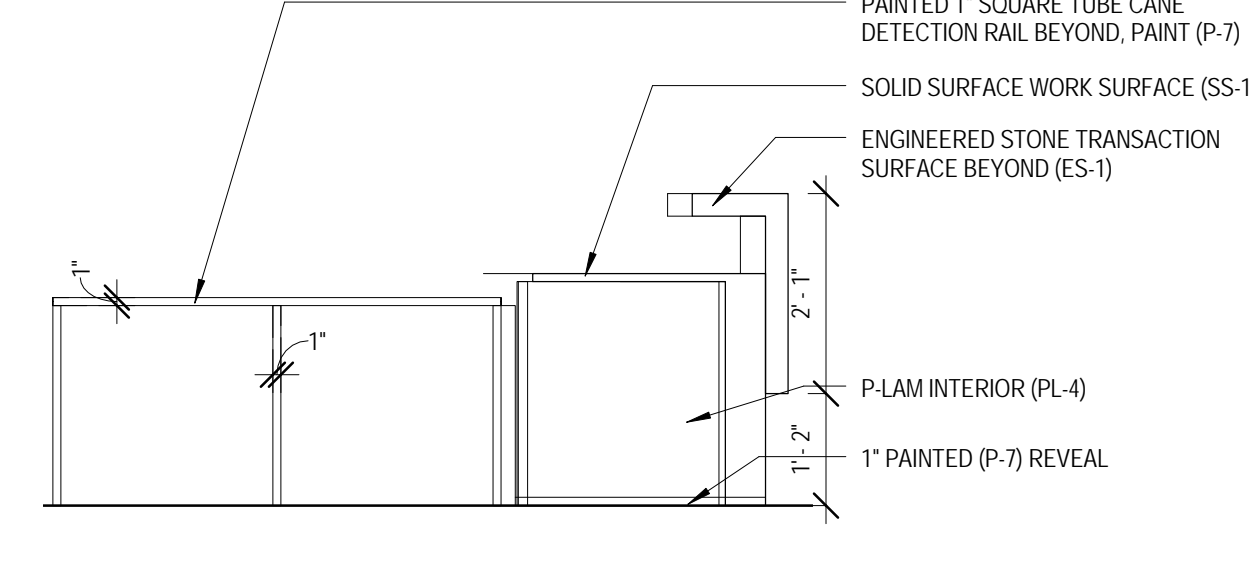
**2 MILLWORK ELEVATION - CORRIDOR 1101 RECEPTION WEST**  
 1/2" = 1'-0"



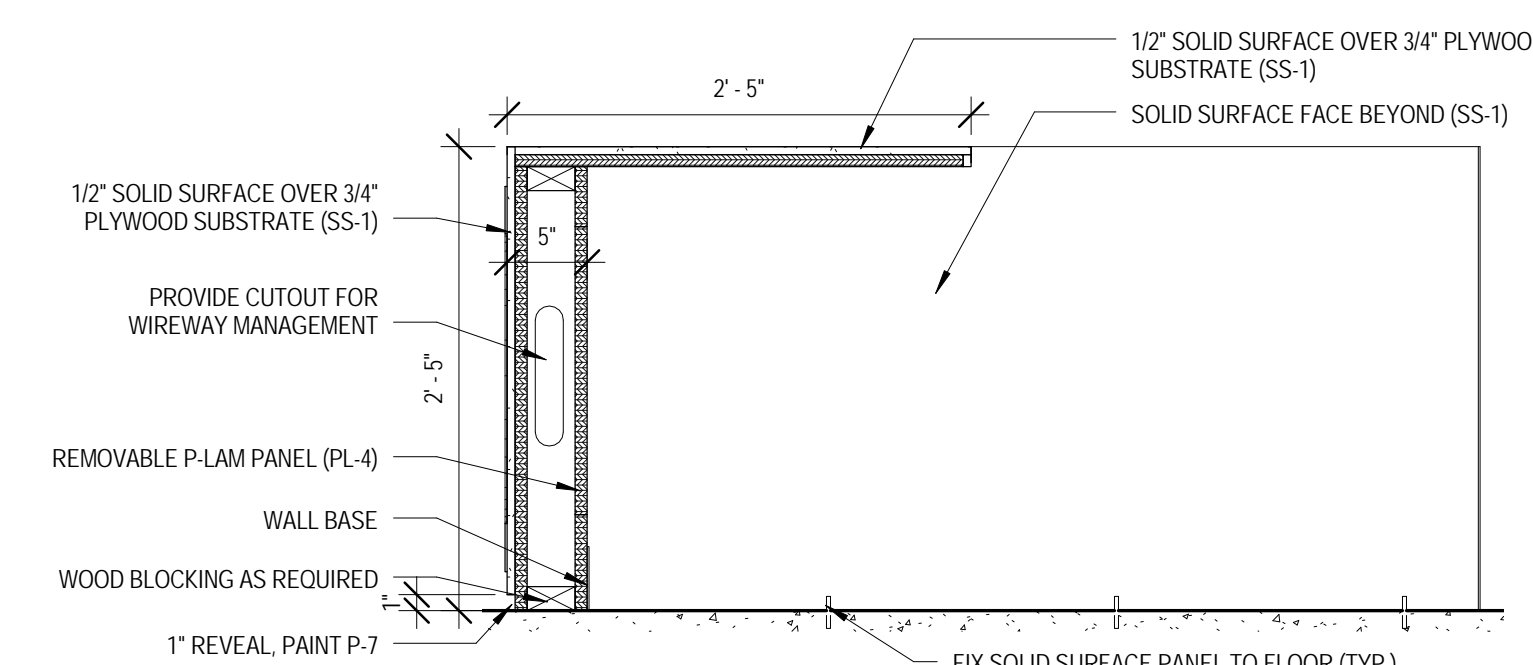
**3 MILLWORK ELEVATION - CORRIDOR 1101 RECEPTION EAST**  
 1/2" = 1'-0"



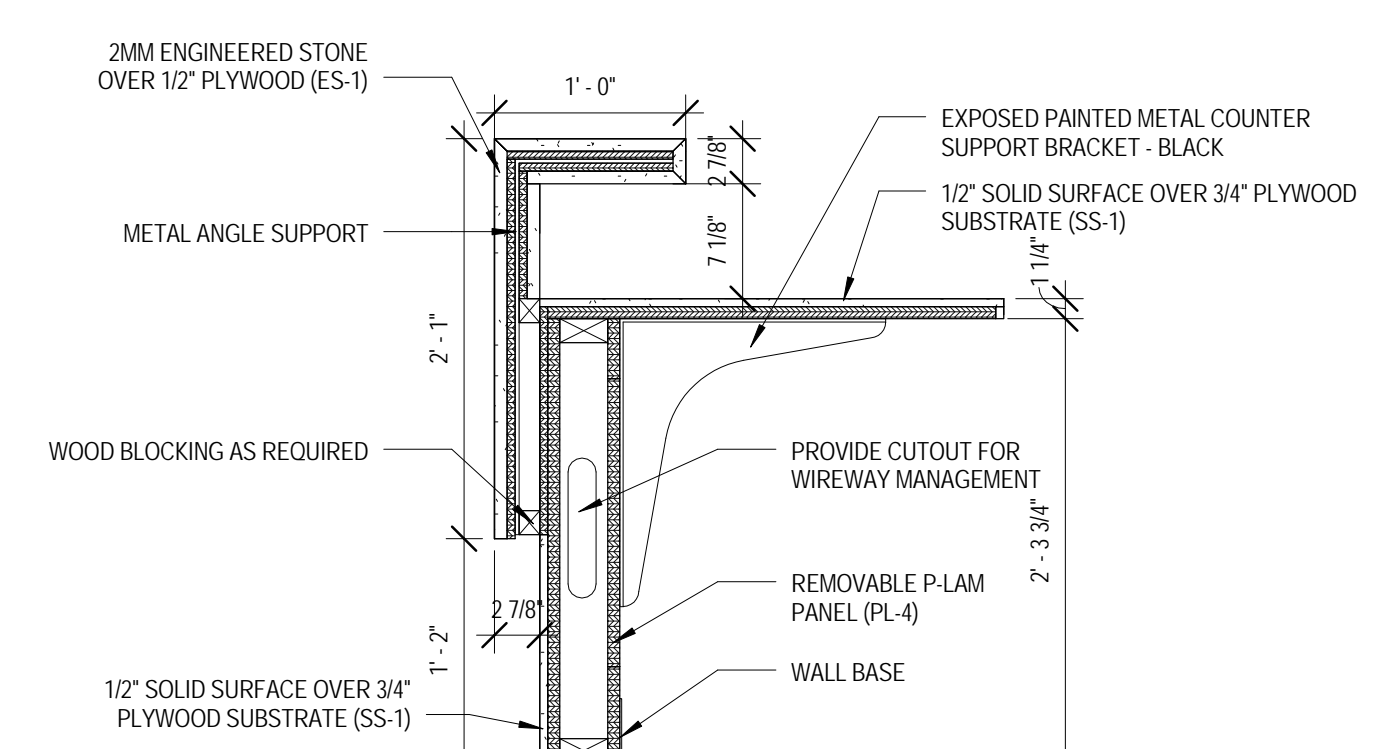
**4 MILLWORK ELEVATION - CORRIDOR 1101 RECEPTION NORTH - A**  
 1/2" = 1'-0"



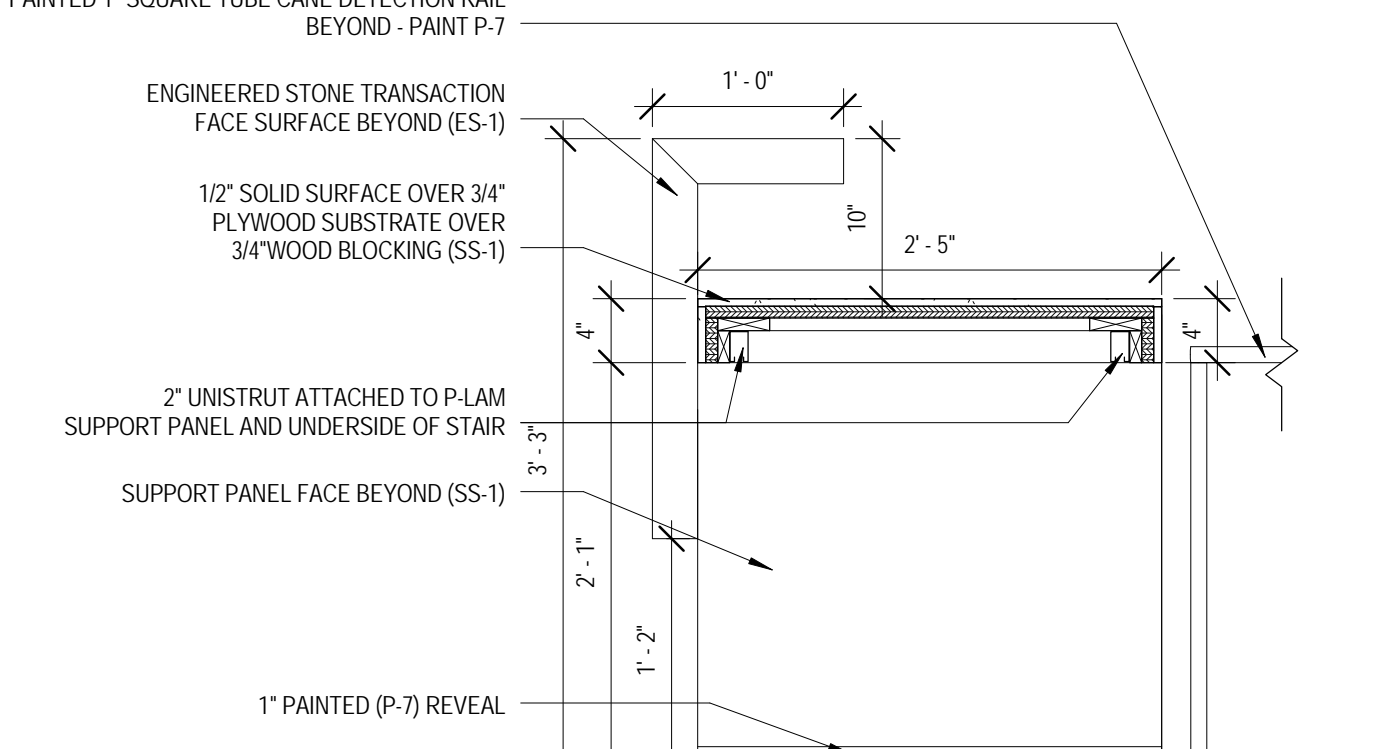
**5 MILLWORK ELEVATION - CORRIDOR 1101 RECEPTION NORTH - B**  
 1/2" = 1'-0"



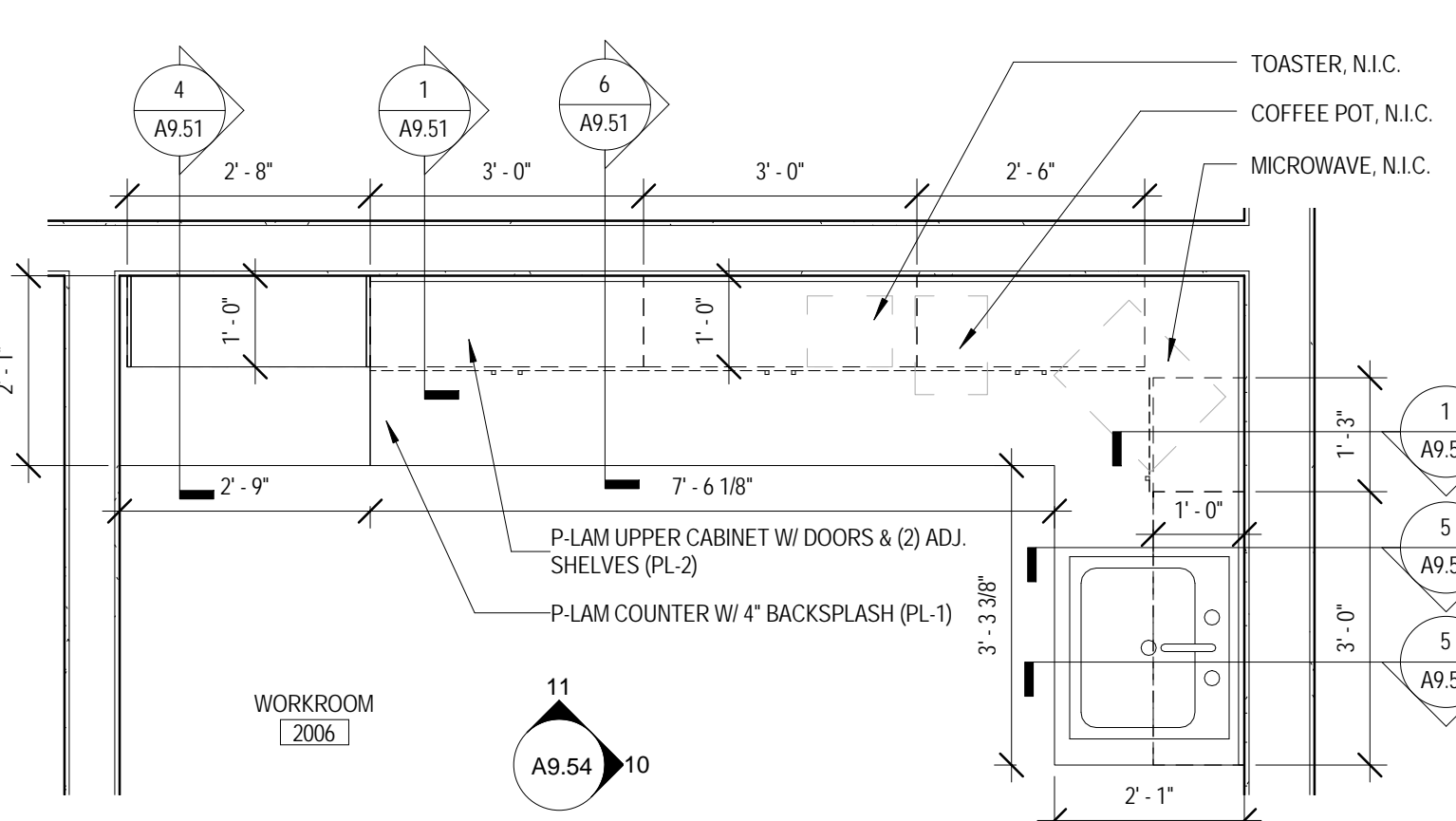
**6 MILLWORK SECTION 1 - CORRIDOR 1101 RECEPTION**  
 1" = 1'-0"



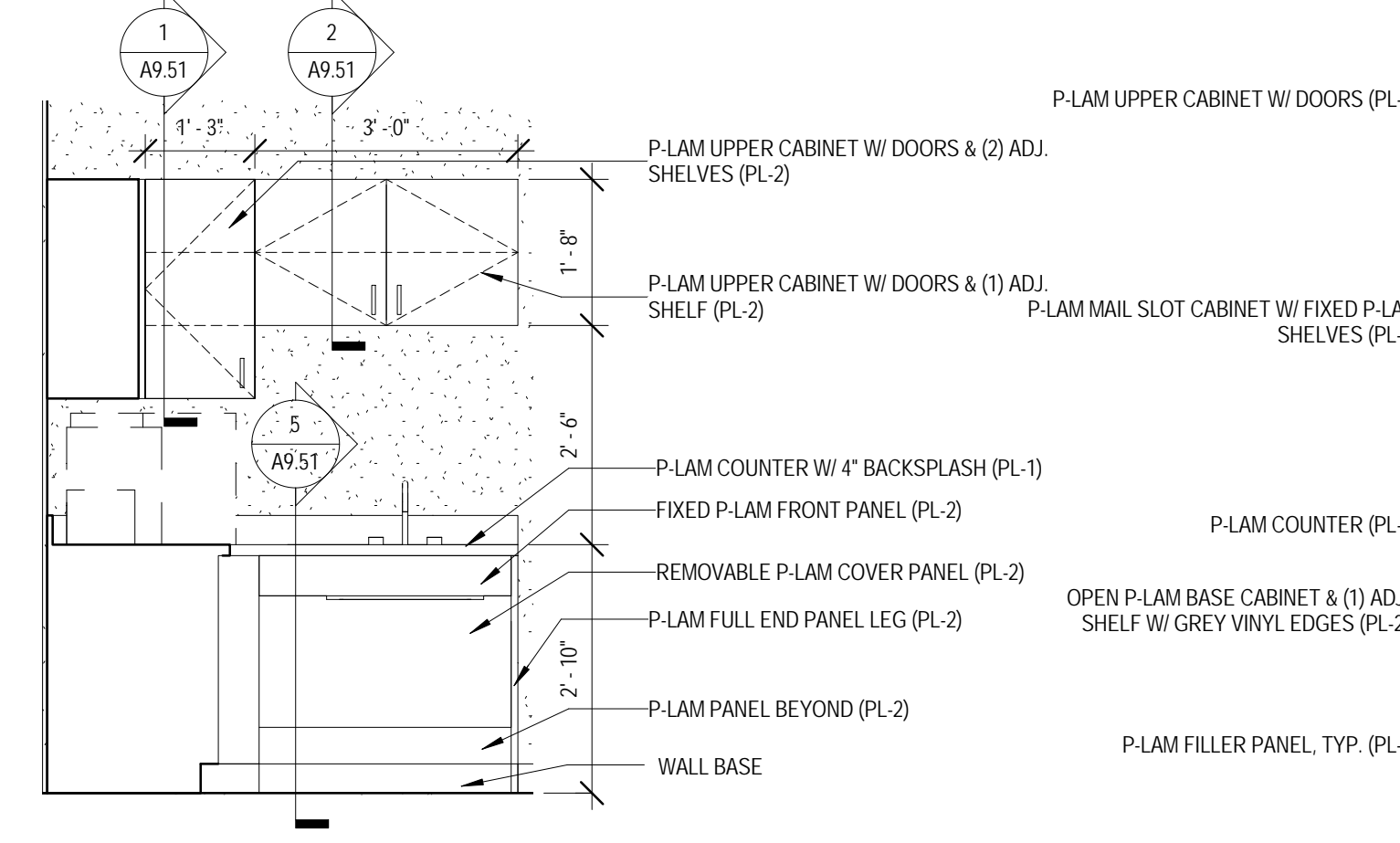
**7 MILLWORK SECTION 2 - CORRIDOR 1101 RECEPTION**  
 1" = 1'-0"



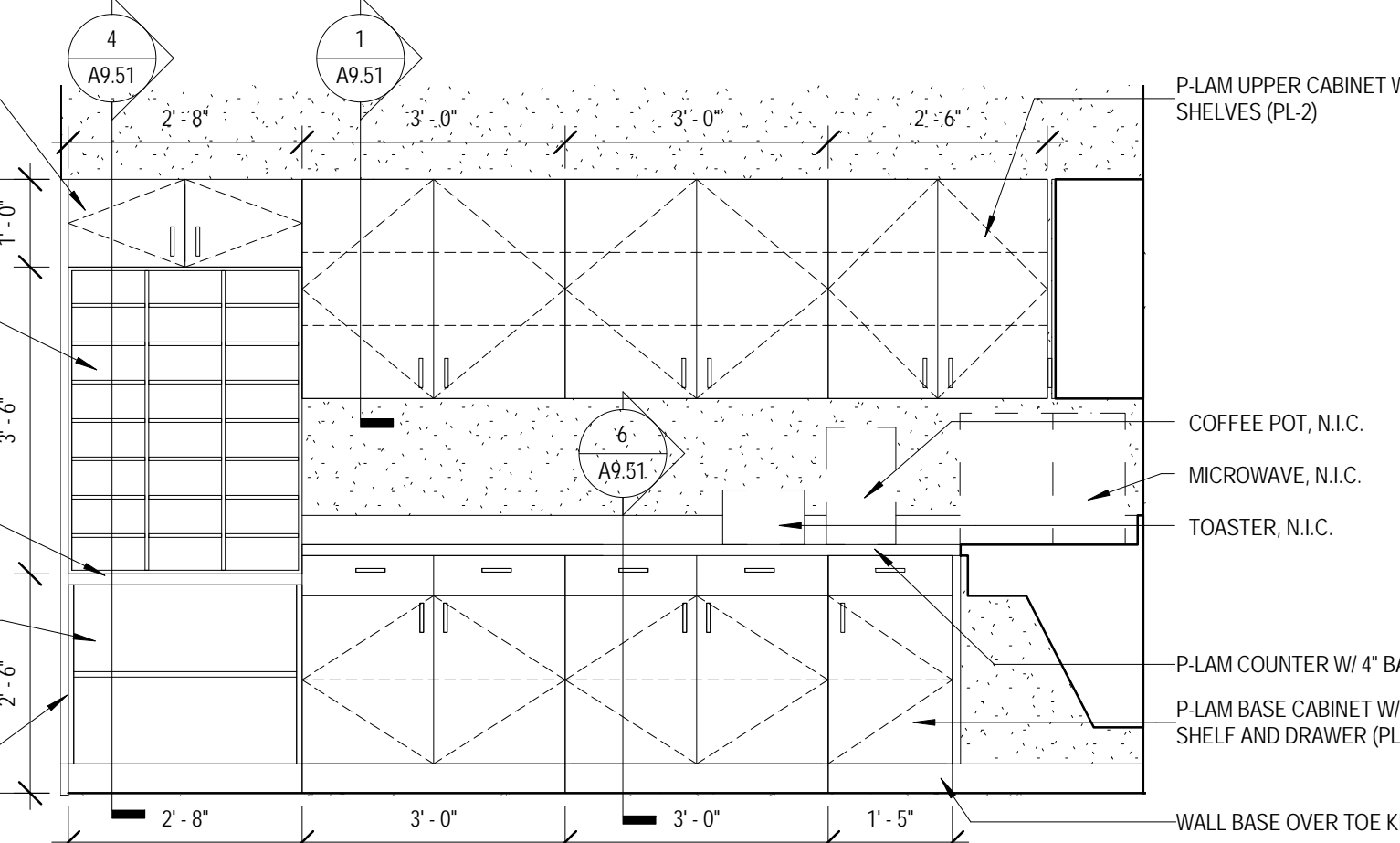
**8 MILLWORK SECTION 4 - CORRIDOR 1101 RECEPTION**  
 1" = 1'-0"



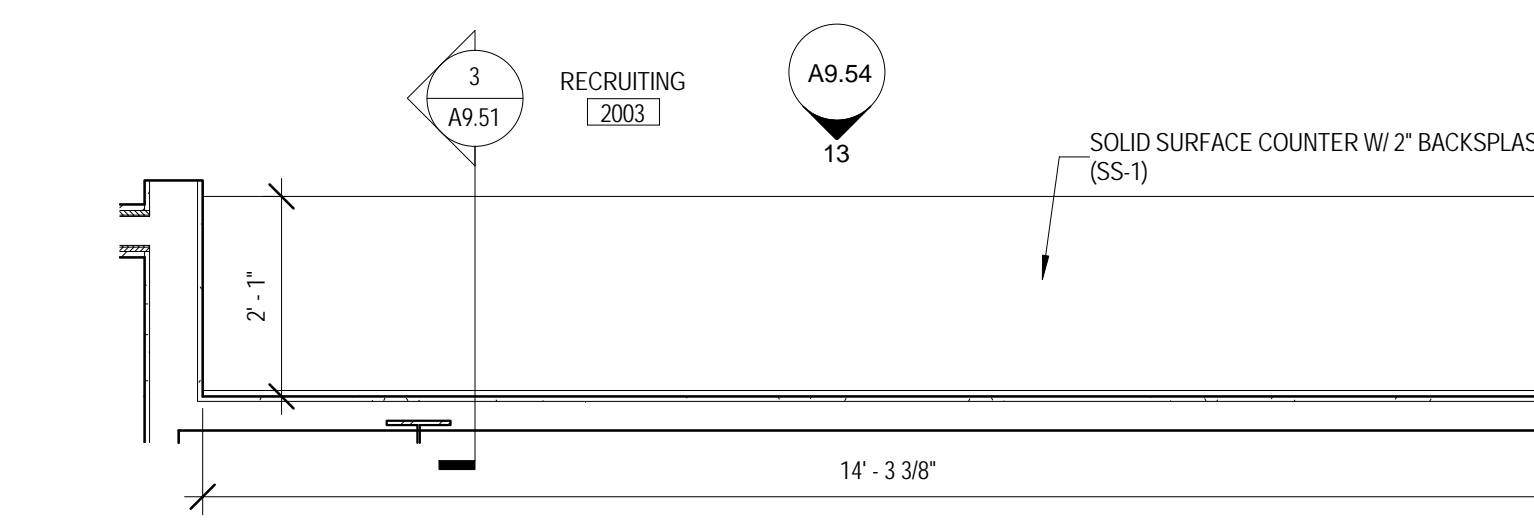
**9 ENLARGED PLAN - MILLWORK - WORKROOM 2006**  
 1/2" = 1'-0"



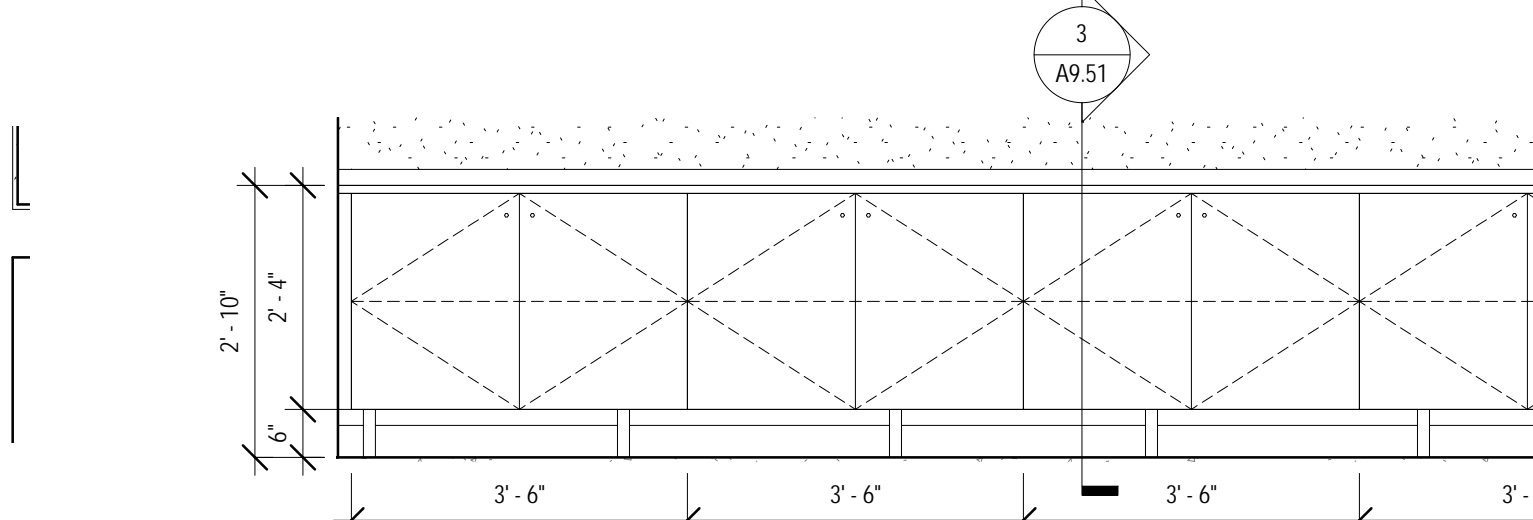
**10 MILLWORK ELEVATION - WORKROOM 2006 EAST**  
 1/2" = 1'-0"



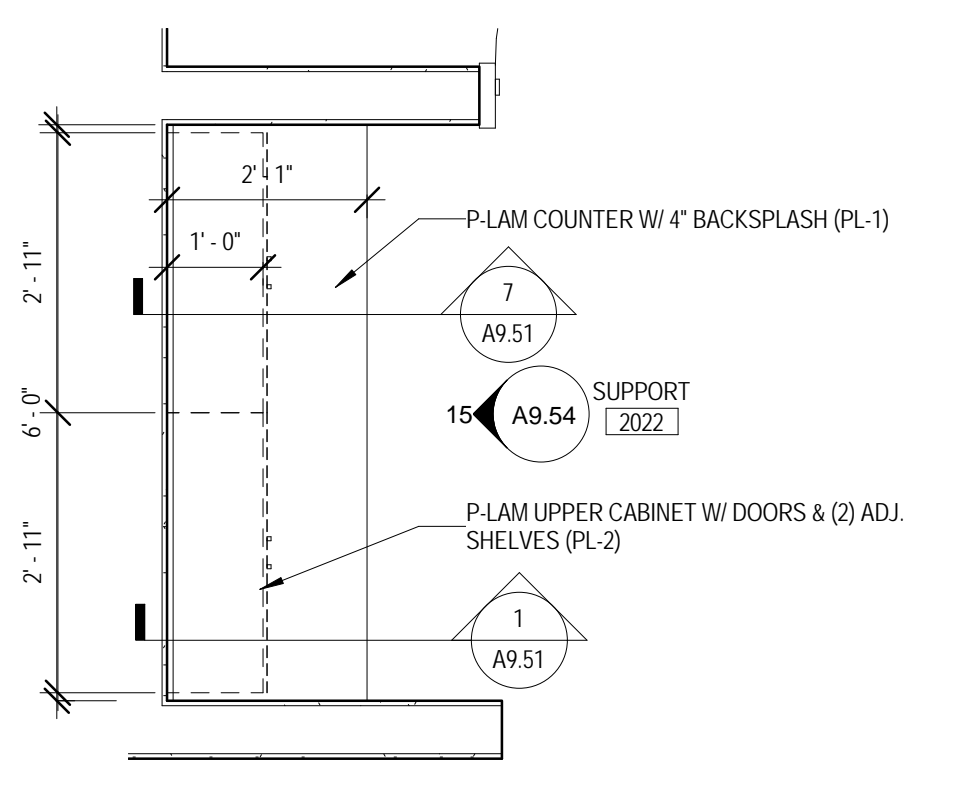
**11 MILLWORK ELEVATION - WORKROOM 2006 NORTH**  
 1/2" = 1'-0"



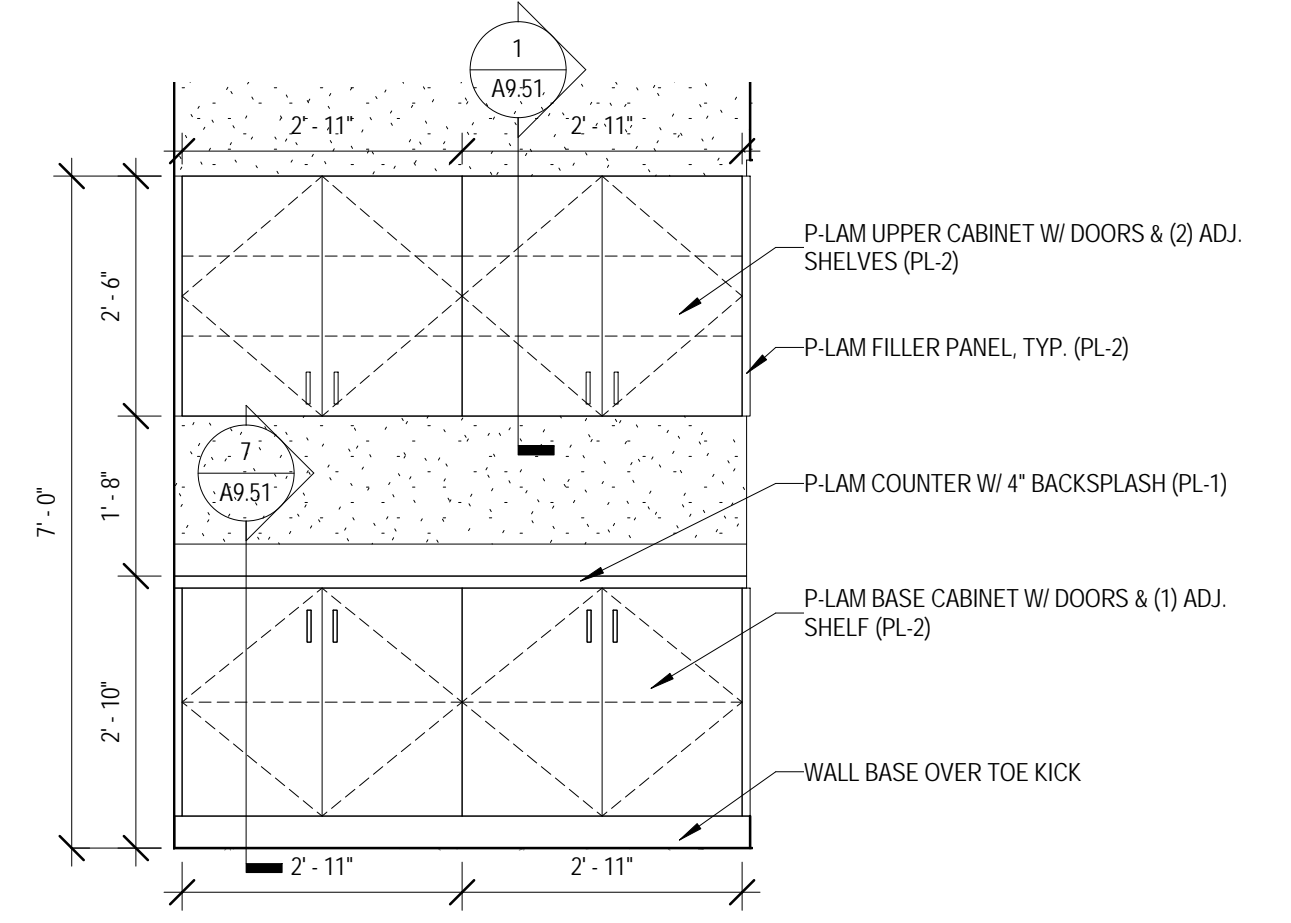
**12 ENLARGED PLAN - MILLWORK - RECRUITING 2003**  
 1/2" = 1'-0"



**13 MILLWORK ELEVATION - RECRUITING 2003 SOUTH**  
 1/2" = 1'-0"



**14 ENLARGED PLAN - MILLWORK - SUPPORT 2022**  
 1/2" = 1'-0"



**15 MILLWORK ELEVATION - SUPPORT 2022 WEST**  
 1/2" = 1'-0"

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID**  
**PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**MILLWORK DETAILS**

SHEET NUMBER:  
**A9.54**





ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

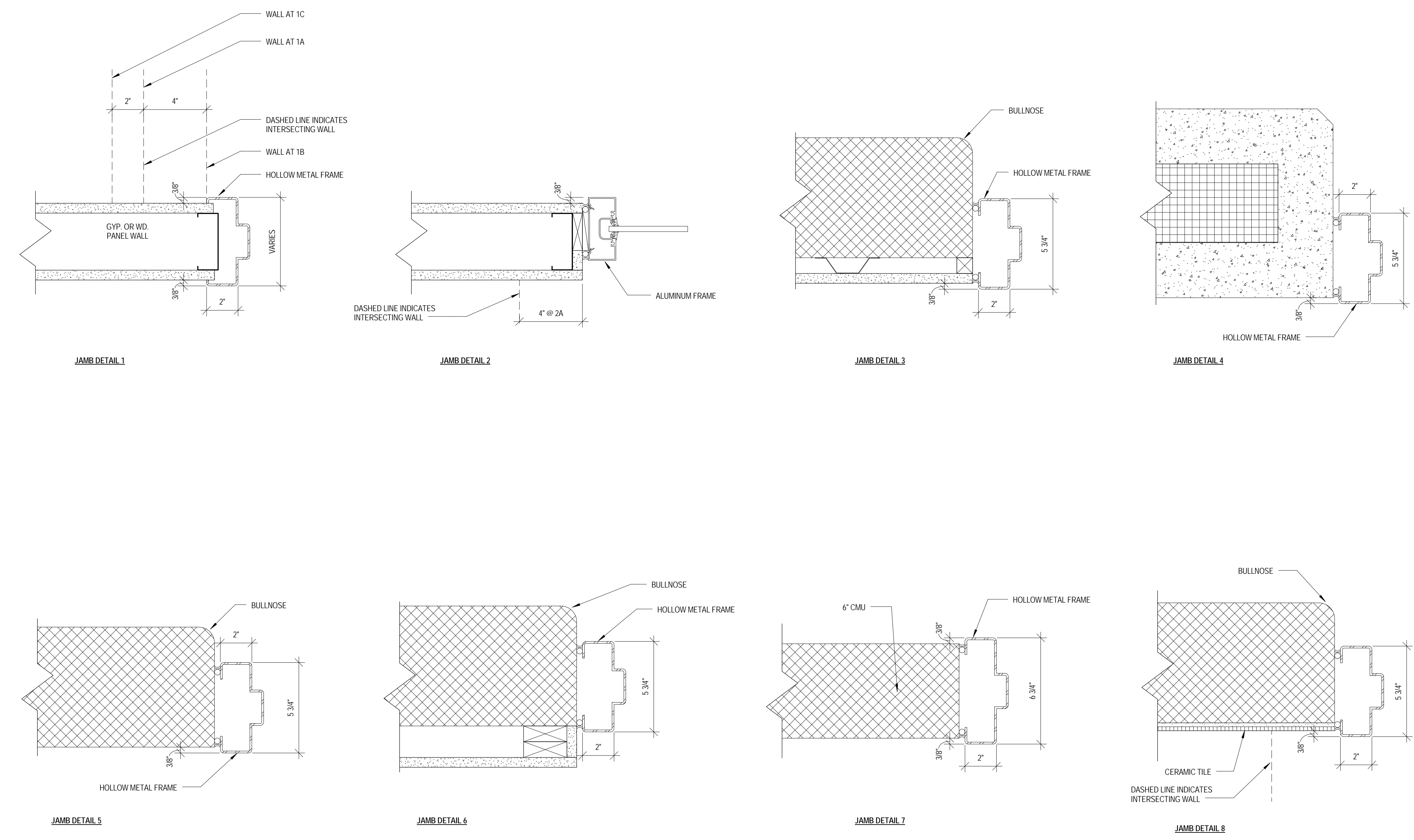
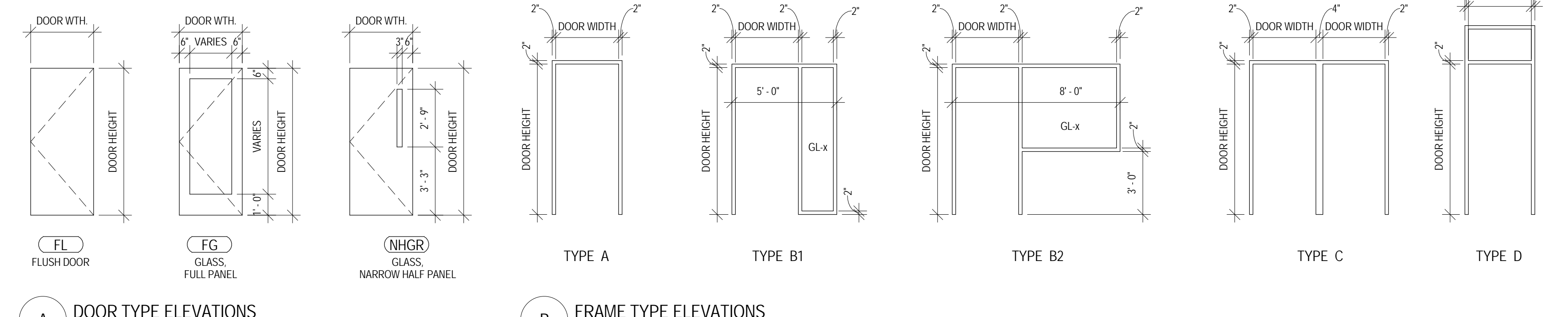
SHEET TITLE:  
**PARTITION TYPES**

SHEET NUMBER:  
**A10.00**

DOOR AND FRAME SCHEDULE													
NUMBER	ROOM NAME	DOOR			FIRE RATING	MATERIAL	ELEV	FRAME		DETAIL GROUP	GLAZING TYPE	HARDWARE SET	REMARKS
		WIDTH	HEIGHT	MATERIAL				ELEV					
1000.1	COMPETITION	6'-0"	7'-2"		HM	NHGR	HM	A	PLN DTL		15	3	
1000.2	COMPETITION	6'-0"	7'-2"		HM	NHGR	HM	C	PLN DTL		12	3	
1000.3	COMPETITION	6'-0"	7'-2"		HM	NHGR	HM	C	PLN DTL		16	2	
1000.4	COMPETITION	6'-0"	7'-10"		HM	NHGR	HM	C			18	2	
1000.5	COMPETITION	6'-0"	7'-10"		HM	NHGR	HM	C			13	3	
1001.1	FIELD HOUSE	6'-0"	7'-10"		HM	NHGR	HM	C			13	3	
1001.2	FIELD HOUSE	6'-0"	7'-10"		HM	NHGR	HM	C			18	2	
1001.3	FIELD HOUSE	6'-0"	7'-10"		HM	NHGR	HM	C			18	2	
1001.4	FIELD HOUSE	6'-0"	7'-10"		HM	NHGR	HM	C			13	3	
1001.5	FIELD HOUSE	6'-0"	7'-10"		HM	FL	HM	C			04	3	
1001.6	FIELD HOUSE	6'-0"	7'-10"		HM	FL	HM	C			05	2	
1001.7	FIELD HOUSE	6'-0"	7'-10"		HM	FL	HM	A			04	3	
1002	CONCESSIONS	3'-0"	7'-0"		HM	FL	HM	A	1A		24	1	
1003.1	VISITOR'S LOCKER ROOM - MENS	3'-0"	7'-2"		HM	FL	HM	A	5		24	1	
1003.2	VISITOR'S LOCKER ROOM - MENS	3'-0"	7'-2"		HM	FL	HM	A	7		27	1	
1004.1	VISITOR'S LOCKER ROOM - WOMENS	3'-0"	7'-2"		HM	FL	HM	A	5		24	1	
1004.2	VISITOR'S LOCKER ROOM - WOMENS	3'-0"	7'-2"		HM	FL	HM	A	7		27	1	
1006	TRAINING	3'-0"	7'-2"		HM	FL	HM	A	5		24	1	
1007	TRAINING	3'-0"	7'-2 1/2"		HM	FL	HM	B1	5		24	1	
1008	TRAINING	3'-0"	7'-2"		HM	FL	HM	A	5		25	1	
1009	OFFICIAL'S LOCKER ROOM	3'-0"	7'-2"		HM	FL	HM	A	5		27	1	
1010	OFFICIAL'S TOILET ROOM	3'-0"	7'-2"		HM	FL	HM	A	7		31	1	
1011.1	WOMEN'S LOCKER ROOM	3'-0"	7'-2"		HM	FL	HM	A	5		23	3	
1011.2	WOMEN'S LOCKER ROOM	3'-0"	7'-2"		HM	FL	HM	A	5		29	3	
1011.3	WOMEN'S LOCKER ROOM	3'-0"	7'-2"		HM	FL	HM	A	EXT		06	3	
1012	LAUNDRY	3'-0"	7'-2"		HM	FL	HM	A	6		24	1	
1013.1	MENS LOCKER ROOM	3'-0"	7'-2"		HM	FL	HM	A	5		23	3	
1013.2	MENS LOCKER ROOM	3'-0"	7'-2"		HM	FL	HM	A	5		29	3	
1013.3	MENS LOCKER ROOM	3'-0"	7'-2"		HM	FL	HM	A	EXT		06	3	
1014.1	STORAGE	6'-0"	7'-2"		HM	FL	HM	A	5		20	1	
1014.2	STORAGE	6'-0"	7'-10"		HM	FL	HM	A	4		19	1	
1014.3	STORAGE	6'-0"	7'-10"		HM	FL	HM	A	EXT		08	1	
1100.1	VESTIBULE	6'-11"	10'-10 1/2"		AL	FG	AL	-	EXT		01	3	
1100.2	VESTIBULE	6'-11"	10'-10 1/2"		AL	FG	AL	-	EXT		02	2	
1100.3	VESTIBULE	6'-11"	10'-10 1/2"		AL	FG	AL	-	EXT		02	2	
1100.4	VESTIBULE	6'-11"	10'-10 1/2"		AL	FG	AL	-	EXT		02	2	
1100.5	VESTIBULE	6'-11"	10'-10 1/2"		AL	FG	AL	-	---		03		
1100.6	VESTIBULE	6'-11"	10'-10 1/2"		AL	FG	AL	-	---		03		
1100.7	VESTIBULE	6'-11"	10'-10 1/2"		AL	FG	AL	-	---		03		
1100.8	VESTIBULE	6'-11"	10'-10 1/2"		AL	FG	AL	-	---		03		
1101.1	CORRIDOR	7'-8 7/8"	10'-10 1/2"		AL	FG	AL	-	EXT		01	3	
1101.2	CORRIDOR	7'-10 3/8"	10'-10 1/2"		AL	FG	AL	-	EXT		02	2	
1101.3	CORRIDOR	7'-6 3/4"	10'-10 1/2"		AL	FG	AL	-	EXT		02	2	
1101.4	CORRIDOR	7'-6 5/8"	10'-10 1/2"		AL	FG	AL	-	EXT		01	3	
1102A	CONTROL ROOM	3'-0"	7'-0"		HM	FL	HM	A	1C		24	1	
1102B	AV EQUIP.	3'-0"	7'-0"		HM	FL	HM	A	1C		24	1	
1103	MENS TOILET	3'-0"	7'-2"		HM	FL	HM	A	8A		30	3	
1104	WOMEN'S TOILET	3'-0"	7'-2"		HM	FL	HM	A	8A		30	3	
1106	JAN.	3'-0"	7'-2"		HM	FL	HM	A	5		25	1	
1107	FAMILY TOILET	3'-0"	7'-2"		HM	FL	HM	A	8		31	1	
1108A.1	ELEC.	4'-0"	7'-2"	1 HR	HM	FL	HM	A	5		28	1	
1108A.2	ELEC.	4'-0"	7'-2"	1 HR	HM	FL	HM	A	EXT		25	1	
1108B	EMER. ELEC.	3'-0"	7'-2"	1 HR	HM	FL	HM	A	5		25	1	
1108C	I.T. RM.	3'-0"	7'-2"		HM	FL	HM	A	5		25	1	
1109.1	VESTIBULE	6'-11"	10'-10 1/2"		AL	FG	AL	-	EXT		02	2	
1109.2	VESTIBULE	6'-11"	10'-10 1/2"		AL	FG	AL	-	EXT		01	3	
1109.3	VESTIBULE	6'-11"	8'-10 1/2"		AL	FG	AL	-	---		03		
1109.4	VESTIBULE	6'-11"	8'-10 1/2"		AL	FG	AL	-	---		03		
1111.1	WOMEN'S TOILET	3'-0"	7'-2"		HM	FL	HM	A	8A		26	1	
1111.2	WOMEN'S TOILET	3'-0"	7'-2"		HM	FL	HM	A	EXT		10	1	
1112.1	MENS TOILET	3'-0"	7'-2"		HM	FL	HM	A	8A		26	1	
1112.2	MENS TOILET	3'-0"	7'-2"		HM	FL	HM	A	EXT		10	1	
1113	JAN.	3'-0"	7'-2"		HM	FL	HM	A	5		25	1	
1114	ELEC.	3'-0"	7'-2"		HM	FL	HM	A	5		25	1	
1115	WOMEN'S LOCKER ROOM	3'-0"	7'-2"		HM	FL	HM	A	5		25	1	
1116	MENS LOCKER ROOM	3'-0"	7'-2"		HM	FL	HM	A	5		25	1	
1117.1	VESTIBULE	6'-0"	7'-2"		HM	FG	HM	D	EXT		04	3	
1117.2	VESTIBULE	6'-0"	7'-2"		HM	FG	HM	D	5		17		
1118.1	STAIR	3'-0"	7'-2"	2 HR	HM	NHGR	HM	A	5		11		
1118.2	STAIR	3'-0"	7'-2"		HM	FL	HM	A	EXT		07	3	
1119	MECH.	6'-0"	7'-2"		HM	FL	HM	A	5		21	1	
2000	CONDITIONING	6'-0"	9'-0"		WD	FG	AL	-	2B		14	3	
2001.1	PRESENTATION ROOM 2	3'-0"	7'-0"		HM	FG	HM	A	1B		23	3	
2001.2	PRESENTATION ROOM 2	3'-0"	7'-0"		HM	FG	HM	A	1B		23	3	
2001A	STORAGE	3'-0"	7'-0"		HM	FL	HM	A	1A		24	1	
2002.1	PRESENTATION ROOM 1	3'-0"	7'-0"		HM	FG	HM	A	1B		23	3	
2002.2	PRESENTATION ROOM 1	3'-0"	7'-0"		HM	FG	HM	A	1B		23	3	
2003	RECRUITING	3'-0"	7'-0"		HM	FG	HM	A	1B		27	1	
2004	TUTORING	3'-0"	7'-0"		WD	FG	AL	-	2		32	1	
2005	OFFICE	3'-0"	7'-0"		WD	FL	HM	B2	1A		24	1	
2007	RECEPTION	2'-11 3/4"	7'-0"		WD	FG	AL	-	2B		24	1	
2008	A.D. OFFICE	3'-0"	7'-0"		WD	FL	HM	B1	1A		24	1	
2009	WOMEN'S SPORTS OFFICE	3'-0"	7'-0"		WD	FL	HM	A	1A		24	1	
2010	CONFERENCE RM.	3'-0"	7'-0"		WD	FL	AL	-	2A		24	1	
2011	OFFICE	3'-0"	7'-0"		WD	FL	AL	-	2A		24	1	
2012	OFFICE	3'-0"	7'-0"		WD	FL	AL	-	2A		24	1	
2013	OFFICE	3'-0"	7'-0"		WD	FL	AL	-	2A		24	1	
2014	OFFICE	3'-0"	7'-0"		WD	FL	AL	-	2A		24	1	
2015	OFFICE	3'-0"	7'-0"		WD	FL	AL	-	2A		24	1	
2016	OFFICE	3'-0"	7'-0"		WD	FL	AL	-	2A		24	1	
2017	OFFICE	3'-0"	7'-0"		WD	FL	AL	-	2A		24	1	
2018	OFFICE	3'-0"	7'-0"		WD	FL	AL	-	2A		24	1	
2019	OFFICE	3'-0"	7'-0"		WD	FL	AL	-	2A		24	1	
2020	OFFICE	3'-0"	7'-0"		WD	FL	AL	-	2A		24	1	
2021	OFFICE	3'-0"	7'-0"		WD	FL	AL	-	2A		24	1	
2023	STORAGE	3'-0"	7'-0"		WD	FL	HM	A	1A		24	1	
2024	WOMEN'S COACHES LOCKER RM.	3'-0"	7'-0"		WD	FL	AL	-	2A		24	1	
2025	MENS COACHES LOCKER RM.	3'-0"	7'-0"		WD	FL	AL	-	2A		24	1	
2101	WOMEN'S TOILET	3'-0"	7'-0"		HM	FL	HM	A	1A		25	1	
2102	ELEV. EQUIP.	3'-0"	7'-0"		HM	FL	HM	A	1A		25	1	
2103	I.T. RM.	3'-0"	7'-0"		HM	FL	HM	A	1A		25	1	
2104	MENS TOILET	3'-0"	7'-0"		WD	FL	HM	A	1A		30	3	
2105	JAN.	3'-0"	7'-0"		HM	FL	HM	A	1A		25	1	
2107	CORRIDOR	3'-0"	7'-0"		HM	FL	HM	A	EXT		24	1	
2108	STAIR	3'-0"	7'-2"	2 HR	HM	NHGR	HM	A	3		11		

**DOOR SCHEDULE REMARKS:**

1. PREPARE FRAME FOR ELECTRIFIED STRIKE, CARD READER, AND DOOR CONTACT. REFER TO TECHNOLOGY DRAWINGS.
2. PREPARE FRAME FOR DOOR CONTACT. REFER TO TECHNOLOGY DRAWINGS.
3. PREPARE FRAME FOR CARD READER, DOOR CONTACT, AND POWER TO HARDWARE. REFER TO TECHNOLOGY DRAWINGS.



DOOR AND FRAME SCHEDULE - ALT BID 1													
NUMBER	ROOM NAME	DOOR			FIRE RATING	MATERIAL	ELEV	FRAME		DETAIL GROUP	GLAZING TYPE	HARDWARE SET	REMARKS
		WIDTH	HEIGHT	MATERIAL				ELEV					
1015.1	STORAGE	6'-0"	7'-10"		HM	FL	HM	A	4		22	1	
1015.2	STORAGE	6'-0"	7'-10"		HM	FL	HM	A			08	1	

DOOR AND FRAME SCHEDULE - ALT BID 2													
NUMBER	ROOM NAME	DOOR			FIRE RATING	MATERIAL	ELEV	FRAME		DETAIL GROUP	GLAZING TYPE	HARDWARE SET	REMARKS
		WIDTH	HEIGHT	MATERIAL				ELEV					
1015.1	STORAGE	6'-0"	7'-10"		HM	FL	HM	A	4		09	1	
1015.2	STORAGE	6'-0"	7'-10"		HM	FL	HM	A			08	1	

DOOR AND FRAME SCHEDULE - ALT BID 3													
NUMBER	ROOM NAME	DOOR			FIRE RATING	MATERIAL	ELEV	FRAME		DETAIL GROUP	GLAZING TYPE	HARDWARE SET	REMARKS
		WIDTH	HEIGHT	MATERIAL				ELEV					
1015.1	STORAGE	6'-0"	7'-10"		HM	FL	HM	A	4		09	1	
1016.1	STORAGE	6'-0"	7'-10"		HM	FL	HM	A	4		09	1	
1016.2	STORAGE	6'-0"	7'-10"		HM	FL	HM	A			08	1	



ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**DOOR & FRAME  
 SCHEDULE AND  
 TYPES**





ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

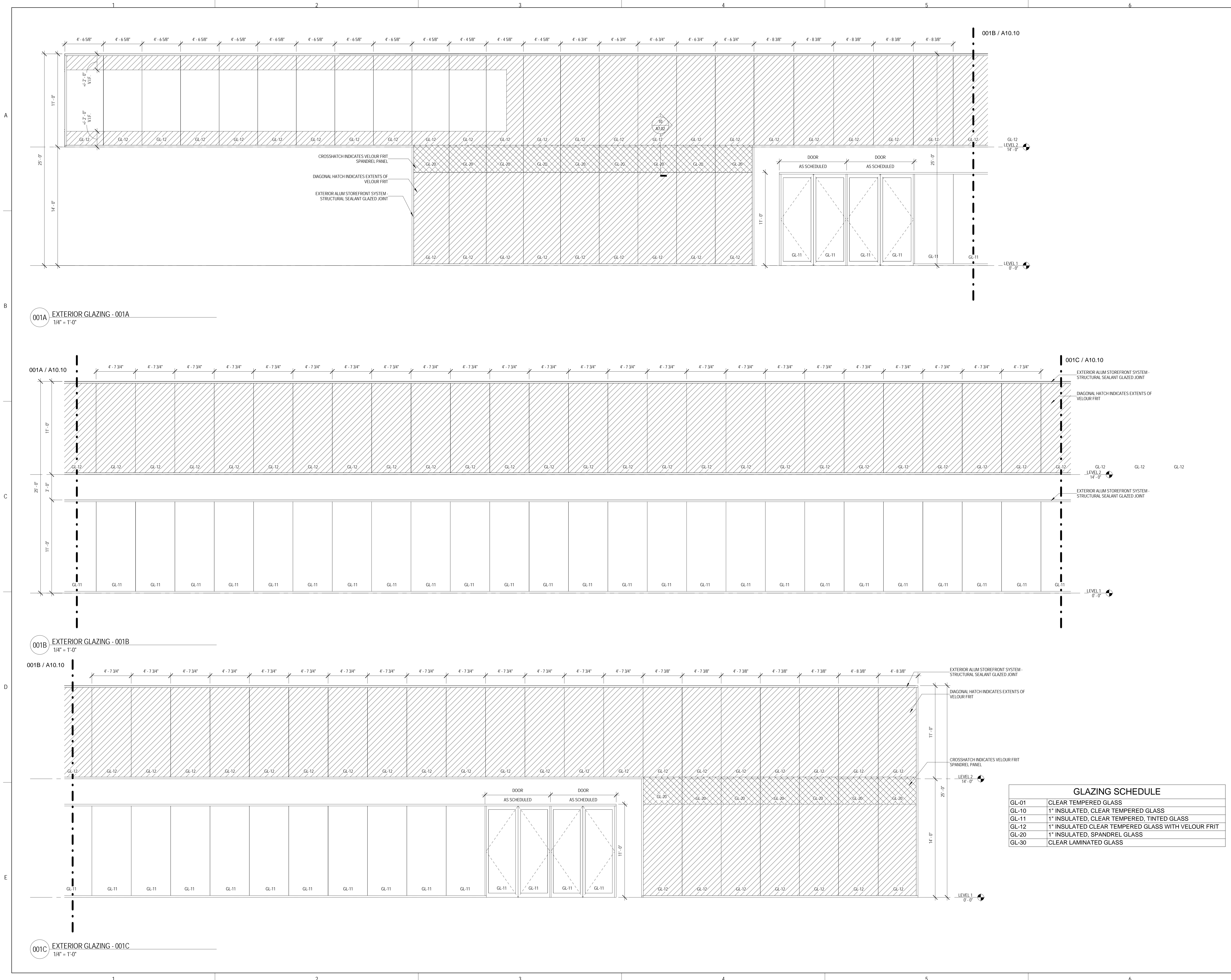
NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**EXTERIOR WINDOW  
 ELEVATIONS**

SHEET NUMBER:

**A10.10**

7/20/2015 10:51:48 AM





ARCHITECT OF RECORD  
**DEMOMICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

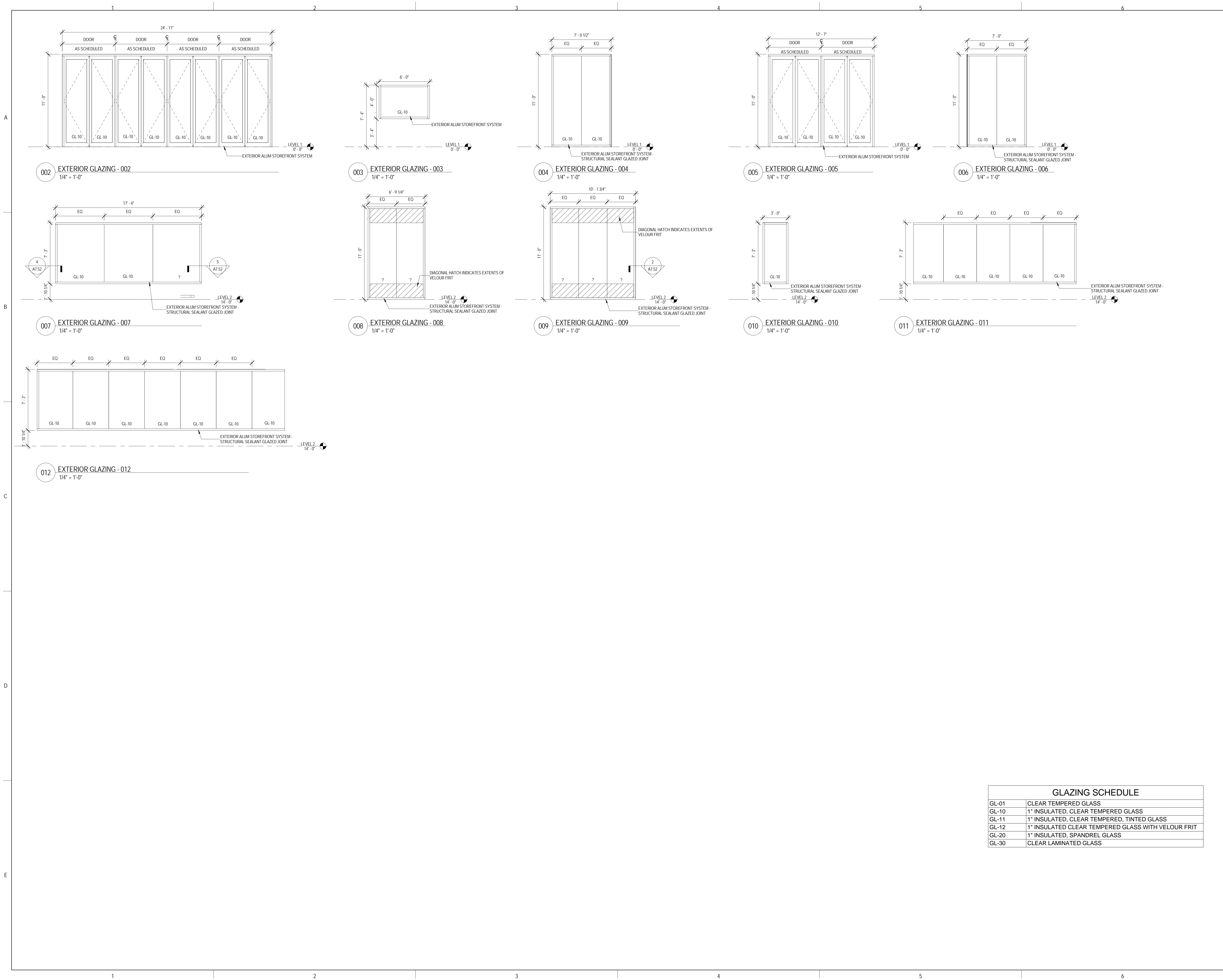
SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**EXTERIOR WINDOW  
 ELEVATIONS**

SHEET NUMBER:

**A10.11**





KEY PLAN:

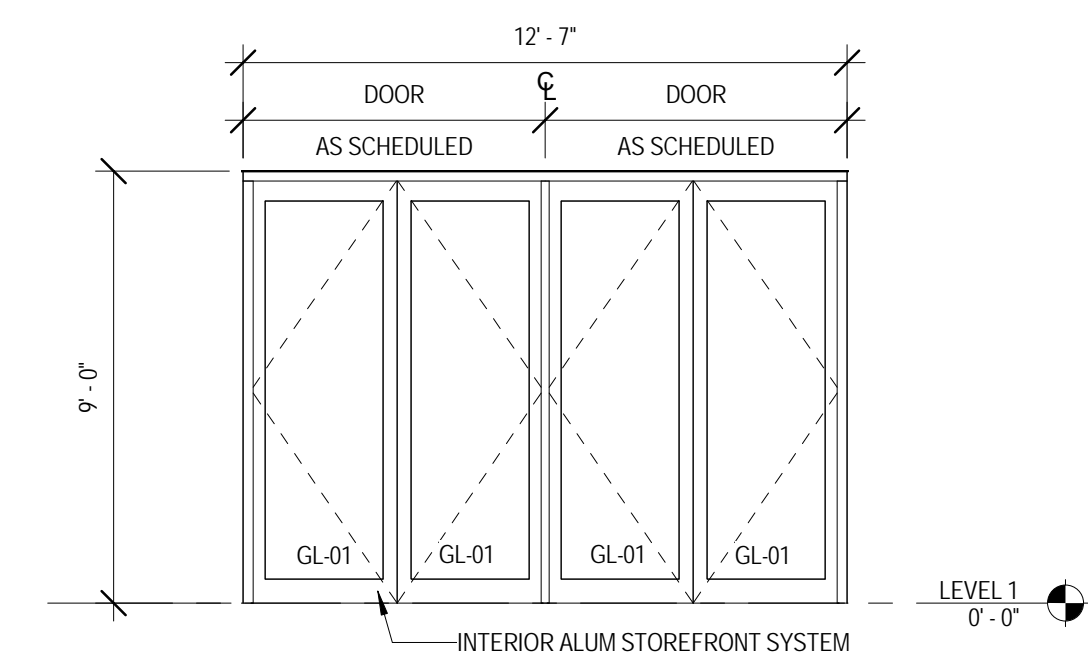
SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

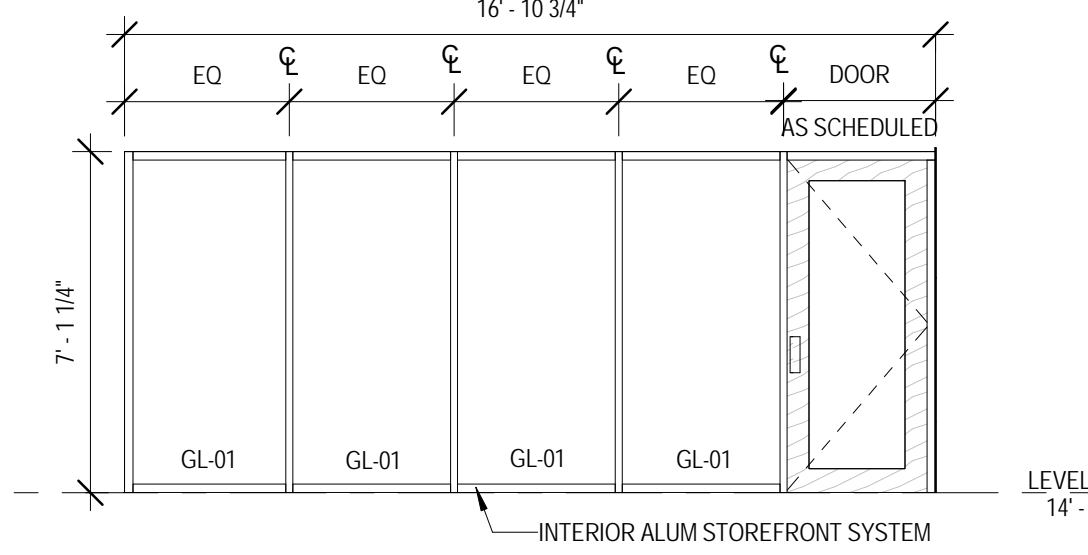
SHEET TITLE:  
**INTERIOR WINDOW  
 ELEVATIONS**

SHEET NUMBER:

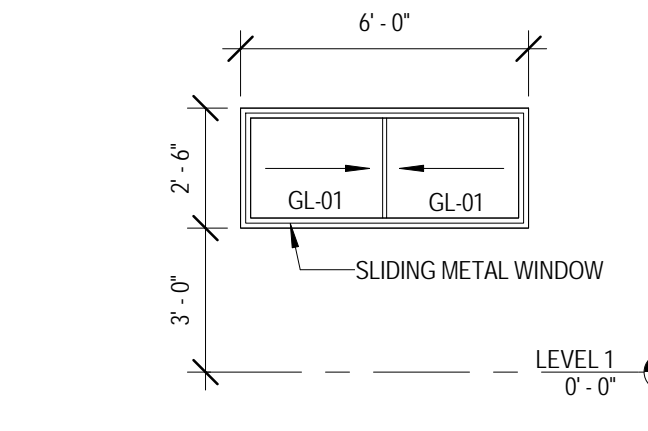
**A10.12**



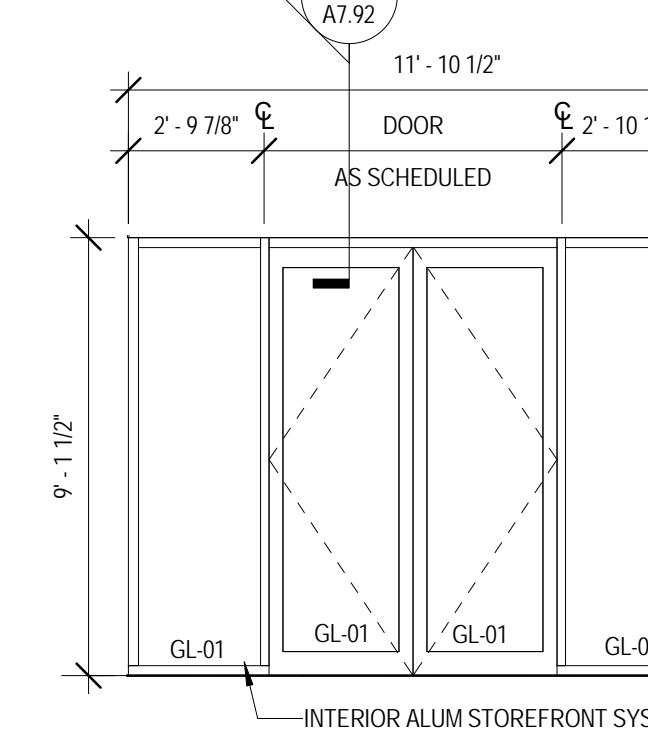
**103 INTERIOR GLAZING - 103**  
 1/4" = 1'-0"



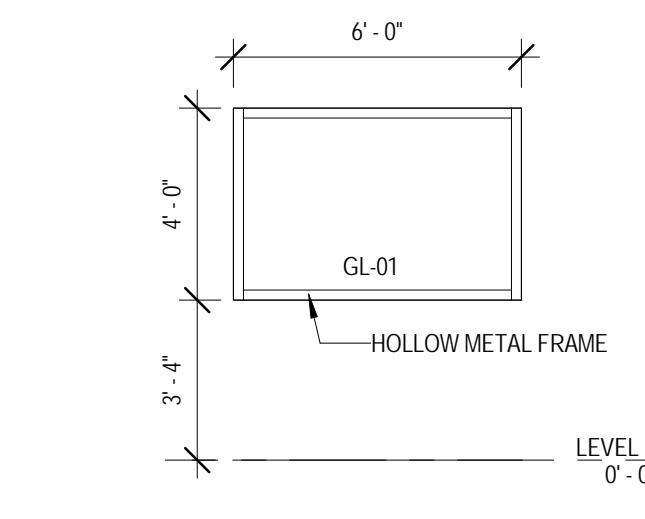
**202 INTERIOR GLAZING - 202**  
 1/4" = 1'-0"



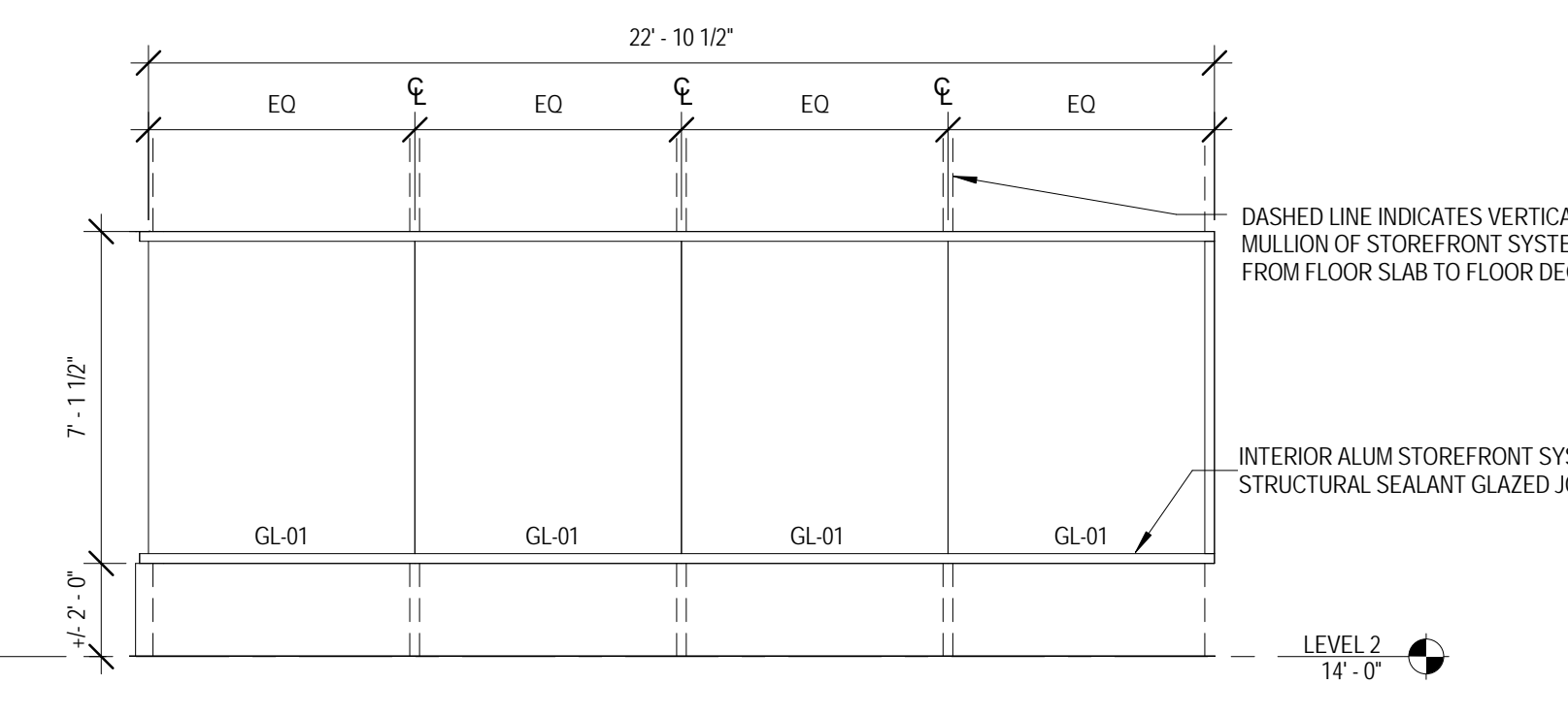
**102 INTERIOR GLAZING - 102**  
 1/4" = 1'-0"



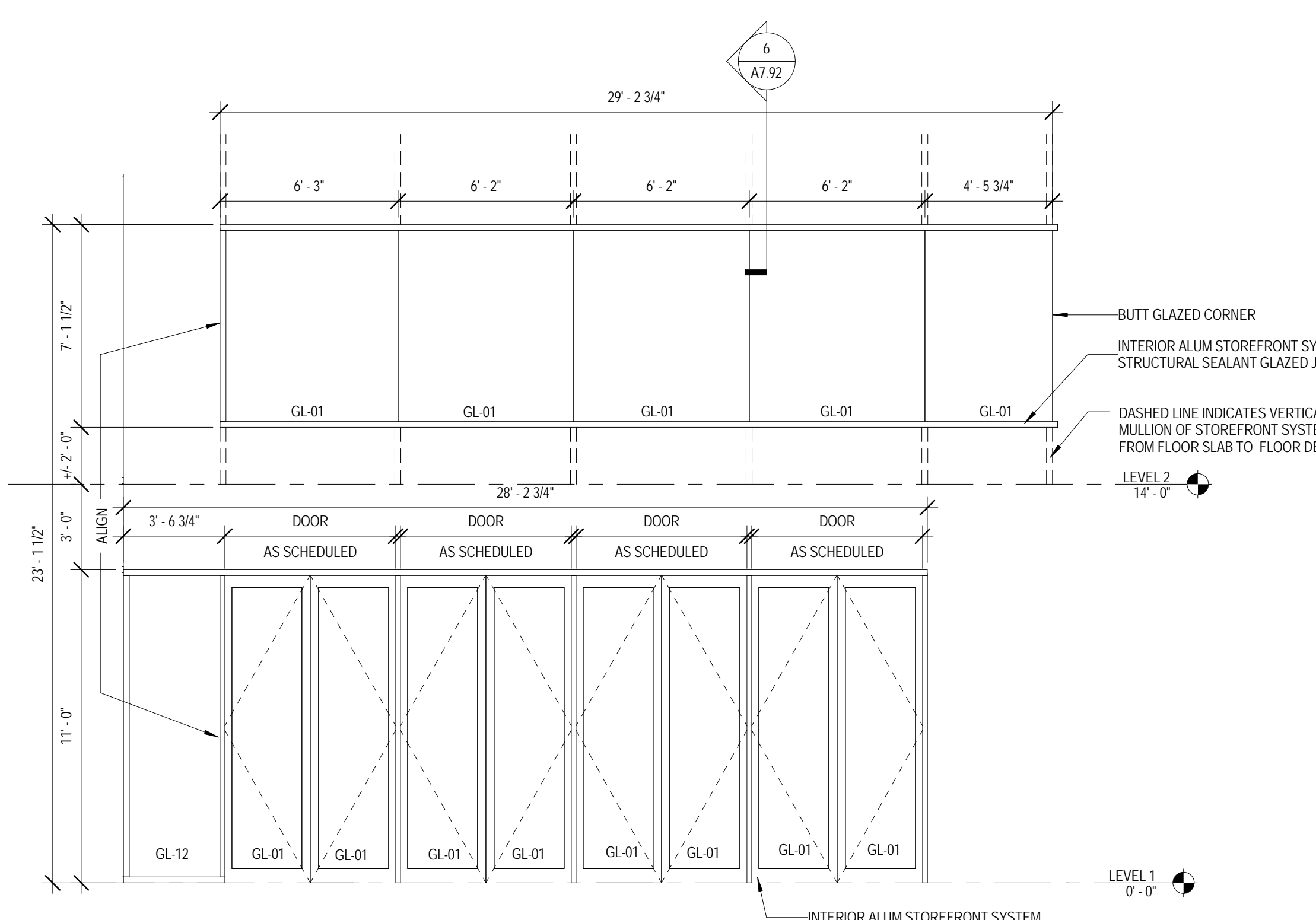
**201 INTERIOR GLAZING - 201**  
 1/4" = 1'-0"



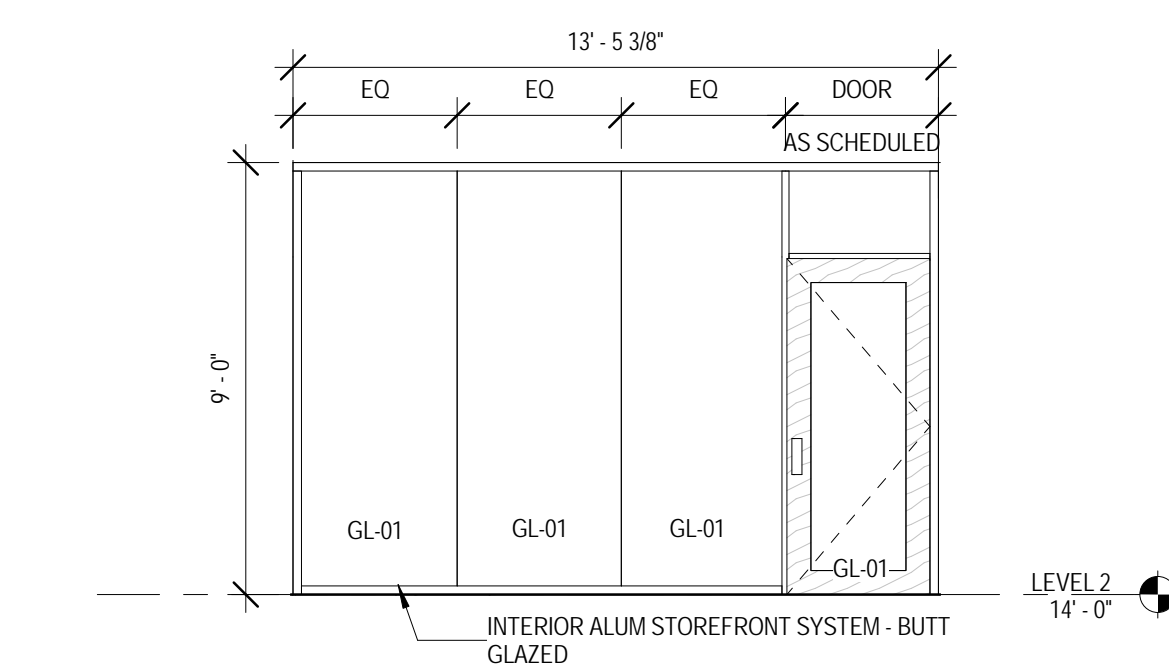
**101 INTERIOR GLAZING - 101**  
 1/4" = 1'-0"



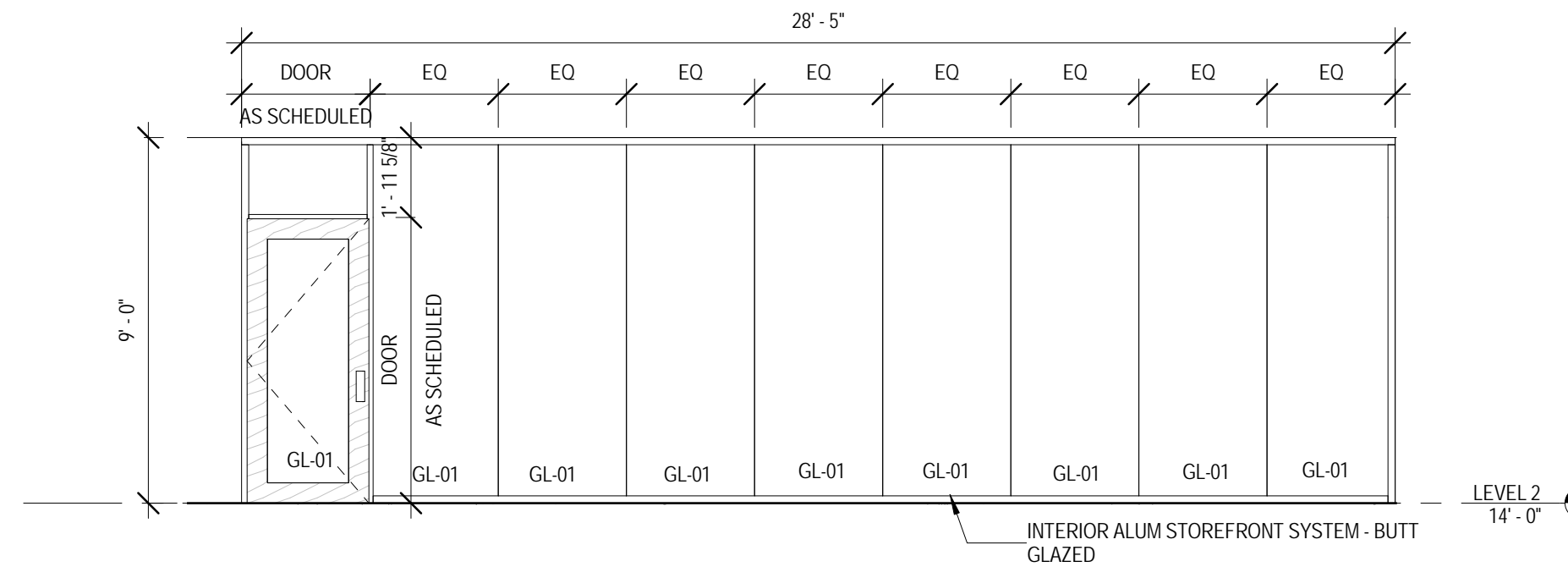
**200 INTERIOR GLAZING - 200**  
 1/4" = 1'-0"



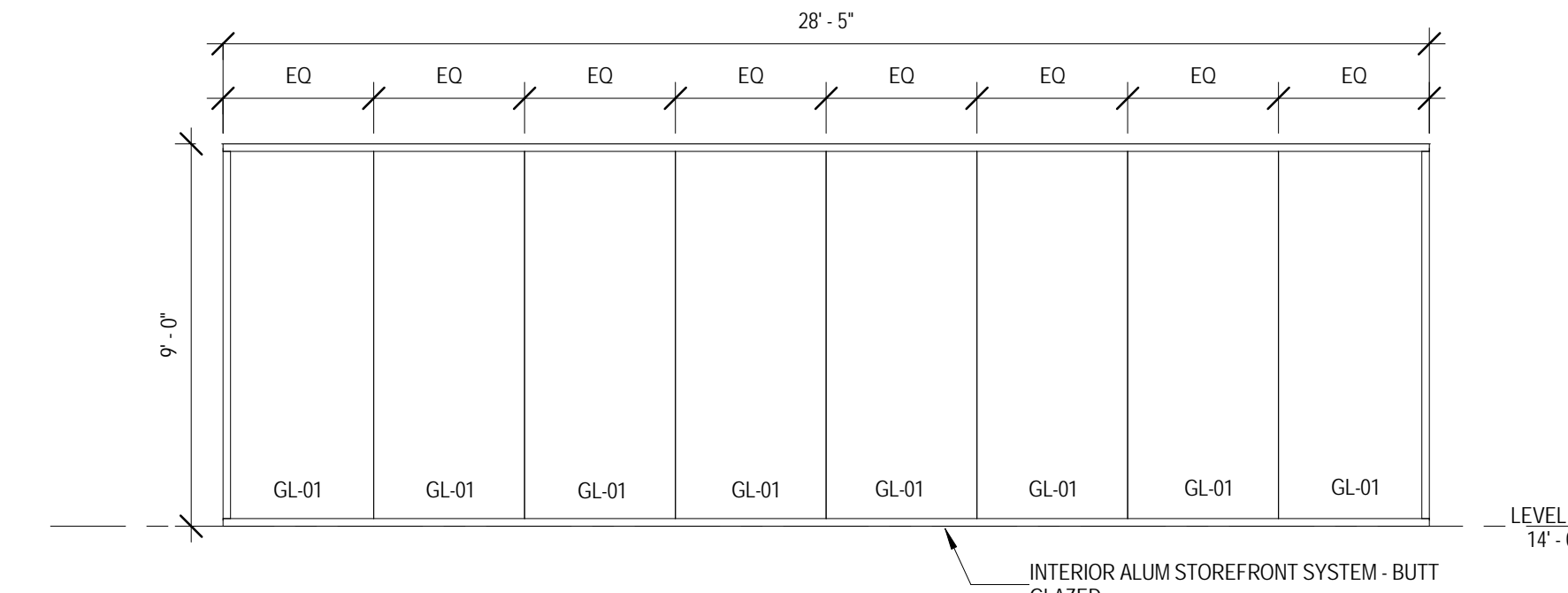
**100 INTERIOR GLAZING - 100**  
 1/4" = 1'-0"



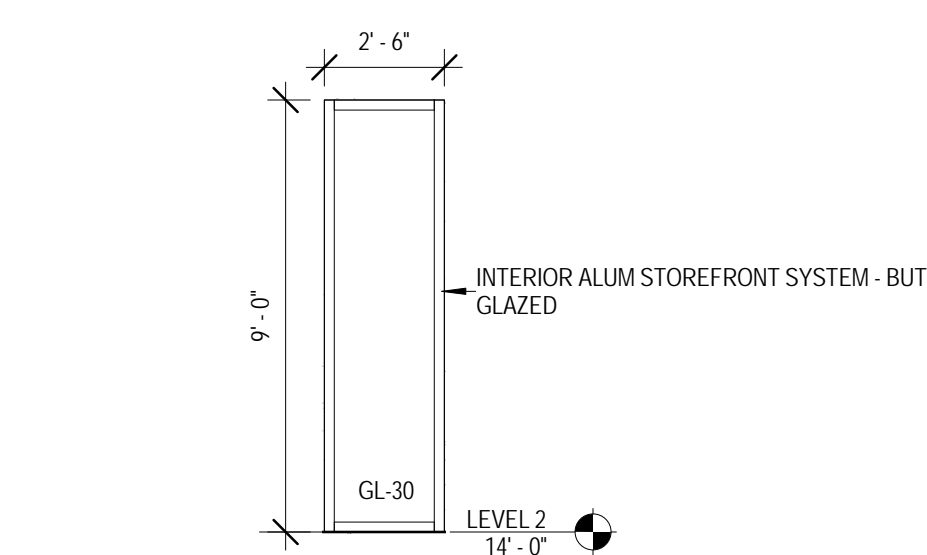
**203 INTERIOR GLAZING - 203**  
 1/4" = 1'-0"



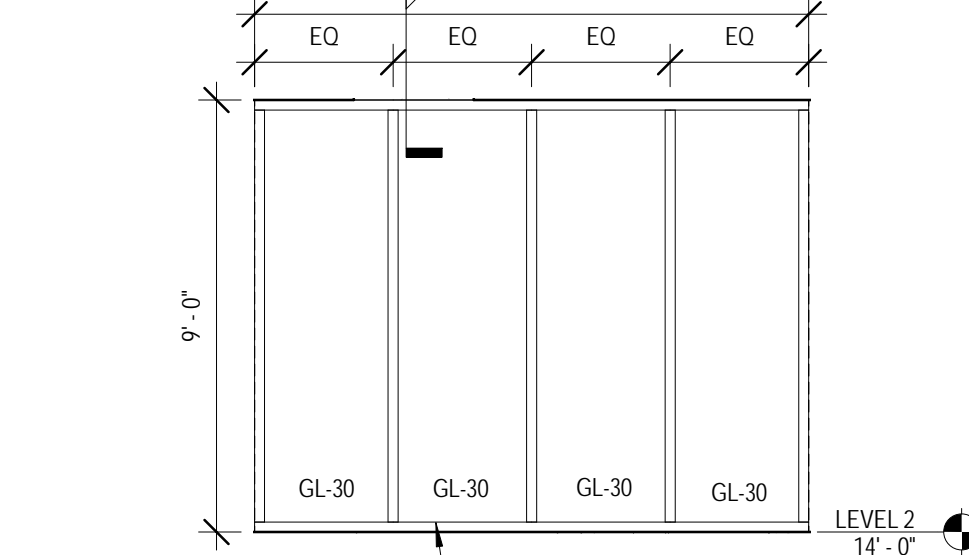
**204 INTERIOR GLAZING - 204**  
 1/4" = 1'-0"



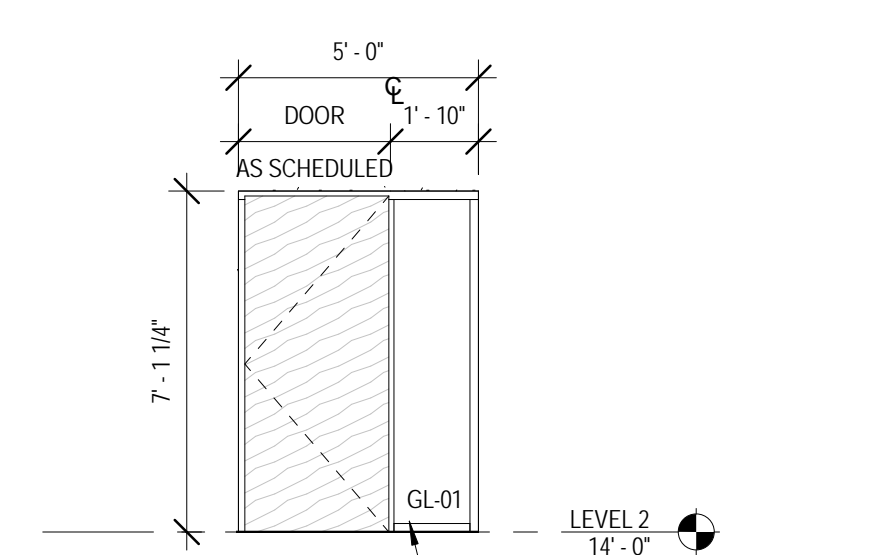
**205 INTERIOR GLAZING - 205**  
 1/4" = 1'-0"



**207 INTERIOR GLAZING - 207**  
 1/4" = 1'-0"



**208 INTERIOR GLAZING - 208**  
 1/4" = 1'-0"



**209 INTERIOR GLAZING - 209**  
 1/4" = 1'-0"

GLAZING SCHEDULE	
GL-01	CLEAR TEMPERED GLASS
GL-10	1" INSULATED, CLEAR TEMPERED GLASS
GL-11	1" INSULATED, CLEAR TEMPERED, TINTED GLASS
GL-12	1" INSULATED CLEAR TEMPERED GLASS WITH VELOUR FRIT
GL-20	1" INSULATED, SPANDREL GLASS
GL-30	CLEAR LAMINATED GLASS



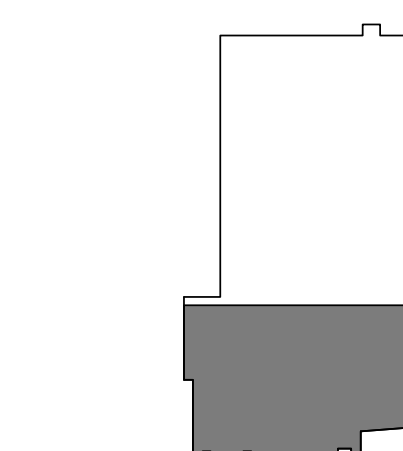
ARCHITECT OF RECORD  
**DEMIONA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 07/17/15

**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1 FINISH PLAN  
 AREA 1**

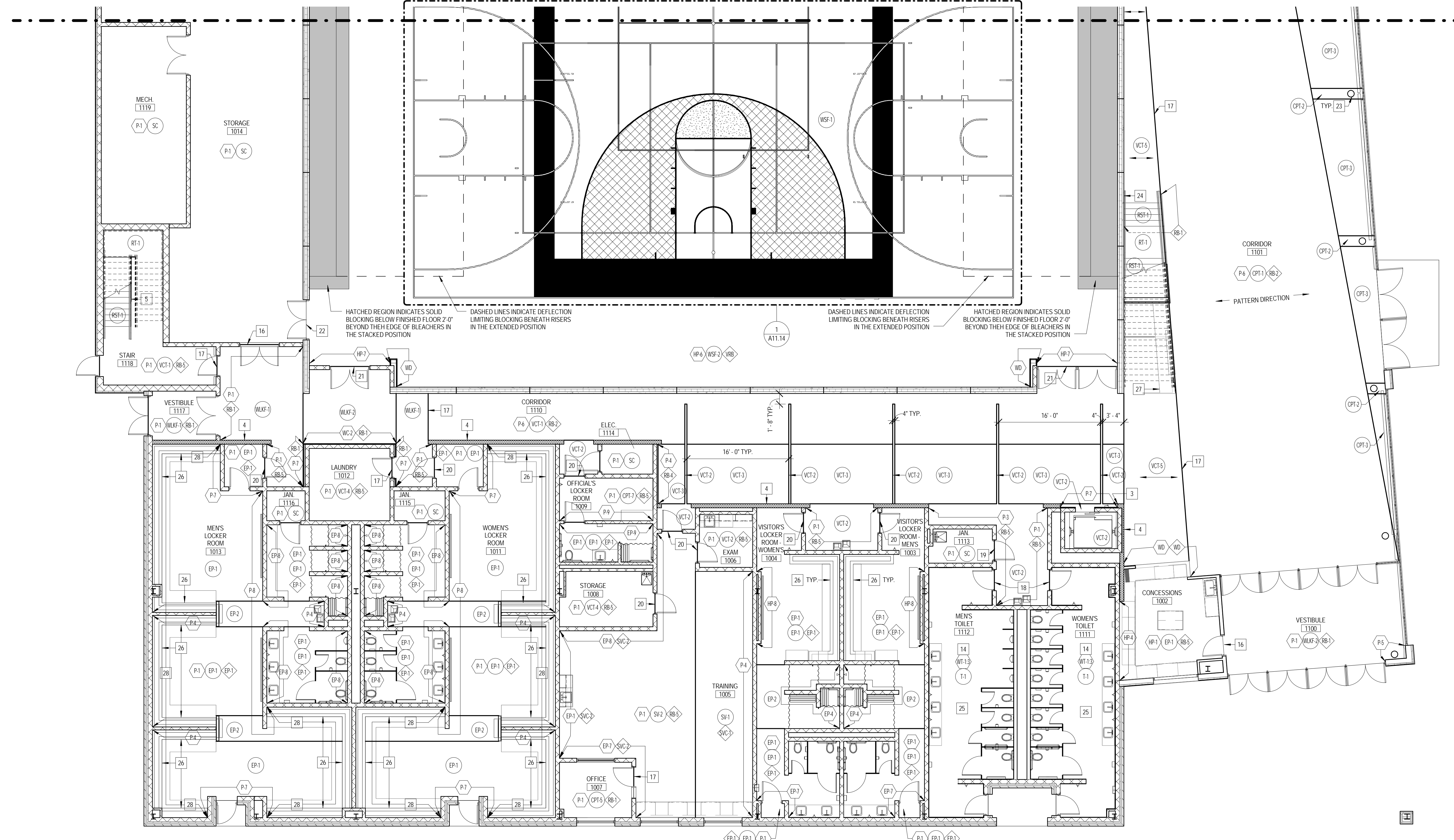
SHEET NUMBER:  
**A11.11**

7/20/2015 10:52:12 AM

WALL FINISH TYPES:			
TYPE	DESCRIPTION	MANUF.	PRODUCT
AWP-1	ACOUSTICAL WALL PANEL	TECTUM	1" FIELD PAINTED HP-4&10
AWP-2	ACOUSTICAL WALL PANEL	TECTUM	1" FACTORY PAINTED HP-5
FRP	FIBER REINFORCED PANEL	SEE SPEC	WHITE
EP-1	WHITE HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-1
EP-4	PURPLE HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-4
EP-7	BLACK HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-7
EP-8	MD GREY HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-8
EP-9	LT GREY HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-9
HP-4	PURPLE HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-4
HP-5	CHARCOAL HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-5
HP-6	PRECAST HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-6
HP-10	PRECAST HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH BENJAMIN MOORE 2088-20 GRAPE GUM
MIR	FULL HEIGHT MIRROR		
P-1	GENERAL WHITE PAINT	SHERWIN WILLIAMS	SNOWBOUND SW7004
P-2	CEILING WHITE PAINT		
P-3	YELLOW PAINT	BENJAMIN MOORE	FENNEL SEED 1101
P-4	PURPLE PAINT	BENJAMIN MOORE	SCANDAVIAN BLUE 2068-30
P-5	CHARCOAL PAINT	BENJAMIN MOORE	WATCHING HOUR 2120-30
P-6	PRECAST PAINT	BENJAMIN MOORE	SEA HAZE 2137-50
P-7	BLACK PAINT	BENJAMIN MOORE	BLACK INK 2127-20
P-8	MEDIUM GREY PAINT	BENJAMIN MOORE	STEEL WOOL 2121-20
P-9	LIGHT GREY PAINT	BENJAMIN MOORE	WINTER SOLSTICE 1605
WC-1	WRITABLE WALLCOVERING	EGAN	VERSA PRO
WC-2	CUSTOM WALLCOVERING	SEE SPEC	
WC-3	CUSTOM WALLCOVERING	SEE SPEC	
WC-4	CUSTOM WALLCOVERING	SEE SPEC	
WC-5	CUSTOM WALLCOVERING	SEE SPEC	
WD	WOOD VENEER	SEE SPEC	MAPLE VENEER
WT-1	BLUE GLASS MOSAIC TILE	CROSSVILLE	GLASSBOX CO39 1X1, COLOR: AMETHYST
WT-2	LT. TAN CERAMIC WALL TILE	CROSSVILLE	COLOR BLOX, COLOR: SANDBOX, SIZE: 18X18
WT-3	DK. TAN CERAMIC WALL TILE	CROSSVILLE	COLOR BLOX, COLOR: ROASTED MARSHMALLOW, SIZE: 18X18

FLOOR FINISH TYPES:			
TYPE	DESCRIPTION	MANUF.	PRODUCT
CPT-1	CONCOURSE BLACK CPT	INTERFACE	SL920, COLOR: BLACK LINE
CPT-2	CONCOURSE MD GREY CPT	INTERFACE	SL910, COLOR: CHARCOAL
CPT-3	CONCOURSE LT GREY CPT	INTERFACE	CUBIC, COLOR: GEOMETRY
CPT-4	BLACK CARPET TILE	INTERFACE	MONOCHROME, COLOR: BLACK
CPT-5	OFFICE CARPET TILE	INTERFACE	TECTONICS, COLOR: BINARY
CPT-6	PRESENTATION CARPET	INTERFACE	ON BOARD, COLOR: EBONY
CPT-7	COACHES LOCKER RM CPT	FORBO	FLOTEX NATURALS, COLOR: BLACKENED OAK 010037
CPT-8	PURPLE CARPET	INTERFACE	MONOCHROME, COLOR: CROCUS
DWT	DETECTABLE WARNING TILE	ROPPE	WARNING TILE, SAFETOCOR 2100
EP-1	GREY EPOXY	SHERWIN WILLIAMS	3744 CR EPOXY, CHARCOAL S3
EP-2	PURPLE EPOXY	SHERWIN WILLIAMS	3744 CR EPOXY, CUSTOM
RT-1	BLACK RUBBER TILE	ROPPE	Z100 BLACK, FINISH: HAMMERED
RST-1	BLACK RUBBER STAIR TREAD	ROPPE	Z100 BLACK, FINISH: HAMMERED
SC	SEALED CONCRETE		
SR-1	BLACK SPORT RUBBER	RB RUBBER	CUSTOM BLACK MIX
SR-2	YELLOW SPORT RUBBER	RB RUBBER	CUSTOM YELLOW MIX
SR-3	PURPLE SPORT RUBBER	RB RUBBER	CUSTOM PURPLE MIX
SR-4	12MM RUBBER SPORT FLOOR	MONDO	SPORTFLEX M, GREY
SR-5	8MM RUBBER SPORT FLOOR	MONDO	ADVANCE, SAND
SV-1	BLACK SAFETY VINYL SHEET	ALTRO	WALKWAY 20, COOL
SV-2	GREY SAFETY VINYL SHEET	ALTRO	WALKWAY 20, BLIZZARD
T-1	PORCELAIN TILE	CROSSVILLE	COLOR BLOX, COLOR: I SEE THE MOON, SIZE: 18X18
VCT-1	MD GREY VINYL COMP TILE	ARMSTRONG	T3506 GLACIER GREY
VCT-2	BLACK VINYL COMPOSITE TILE	ARMSTRONG	T3500 BASALT BLACK
VCT-3	PURPLE VINYL COMP TILE	ARMSTRONG	T3525 VIOLET GRAPE
VCT-4	WHITE VINYL COMP TILE	ARMSTRONG	T3504 ICE WHITE
VCT-5	YELLOW VINYL COMP TILE	ARMSTRONG	R55807
WSF-1	WOOD SPORT FLOOR	CONNOR	GRADE 2 MAPLE
WSF-2	WOOD SPORT FLOOR	CONNOR	GRADE 3 MAPLE
WLFK-1	GREY WALKOFF CARPET	INTERFACE	FLOOR, COLOR: GREY
WLFK-2	BLACK WALKOFF CARPET	INTERFACE	FLOOR, COLOR: ANTHRACITE

WALL BASE TYPES:			
TYPE	DESCRIPTION	MANUF.	PRODUCT
EP-1	4" INTEGRAL EPOXY	GENERAL POLYMERS	COLOR: CHARCOAL S3
RB-1	4" STRAIGHT RUBBER BASE	JOHNSONITE	BLACK
RB-2	4" COVE RUBBER BASE	ROPPE	SMOKE 174
RB-3	1/2" RUBBER QUARTER RND	JOHNSONITE	BLACK
RB-4	4" COVE RUBBER BASE	JOHNSONITE	GRAPEST TB4
RB-5	4" COVE RUBBER BASE	JOHNSONITE	BLACK
RB-6	4" COVE RUBBER BASE	JOHNSONITE	BLACK
SV-1	4" SHEET VINYL COVE	ALTRO	WALKWAY 20, COOL
SV-2	SHEET VINYL COVE	ALTRO	WALKWAY 20, BLIZZARD
VRB	4" VENTED RUBBER BASE	JOHNSONITE	BLACK
WD	3/4" X 4" SOLID WOOD		MAPLE



**1 LEVEL 1 - AREA 1 FINISH PLAN**  
 1/8" = 1'-0"

FINISH PLAN SYMBOLS LEGEND:		
	WALL FINISH TYPE	
	WALL BASE TYPE	
	FLOOR FINISH TYPE	

FINISH PLAN GENERAL NOTES:	
1. PAINT ALL EXPOSED CONDUIT, DUCTWORK, PIPING, ETC. IN ALL FINISHED SPACES. REFER TO INTERIOR FINISH PLANS AND REFLECTED CEILING PLANS FOR CLARIFICATIONS.	
2. PAINT ALL EXPOSED METAL ON EXTERIOR INCLUDING, BUT NOT LIMITED TO, CONDUIT, PIPING, FLASHING, MECHANICAL FLUES AND DUCTS, AND HOLLOW METAL FRAMES AND DOORS.	
3. ALL FINISHES ARE MONUMENTAL PER ROOM UNLESS NOTED OTHERWISE.	
4. HOLLOW METAL DOORS TO BE PAINTED P-5 UNLESS NOTED OTHERWISE. ALL H.M. FRAMES TO BE PAINTED P-4 U.N.O.	
5. AT ALL LOCATIONS WHERE CASEWORK IS TO BE INSTALLED, THE SUBSEQUENT BASE TYPE SPECIFIED FOR EACH ROOM SHALL BE INSTALLED OVER CASEWORK TOE BLOCKS UNLESS NOTED OTHERWISE. REFER TO FLOORPLANS FOR CASEWORK LOCATIONS.	
6. PAINT ALL GYP. BD. CEILING P-1 UNLESS NOTED OTHERWISE.	
7. ALL CARPET TILE TO BE INSTALLED BRICK PATTERN UNLESS SPECIFIED OTHERWISE.	
8. PAINT ALL EXPOSED ROUND COLUMNS P-1 U.N.O.	
9. REFER TO REFLECTED CEILING PLANS FOR ALL CEILING PAINT AND FINISH DESIGNATIONS.	
10. REFER TO A11.14 FOR ALT. BID 1, 2, 3 FINISH DESIGNATIONS	

FINISH PLAN REFERENCED NOTES:	
1. ROOM 11'-0" TO 14'-0" A.F.F.	
2. PAINT FACE OF STAIR STRINGERS P-5	
3. PAINT ELEVATOR DOOR FRAME P-4	
4. INSTALL RB-4 ON ALL GROUND FACE BLOCK WALLS	
5. PAINT ALL METAL HANDRAILS, STRINGERS, AND METAL STAIR COMPONENTS P-5	
6. PAINT VERTICAL HANDRAIL STANCHIONS P-9	
7. REFER TO ELEVATIONS FOR LOCATIONS/EXTENTS OF AWP-2	
8. REFER TO A11.13 FOR EXTENTS OF P-1	
9. PAINT H.M. DOORS AND FRAMES P-5	
10. PAINT H.M. DOOR AND FRAME P-4	
11. PAINT H.M. DOOR AND FRAME P-1	
12. INSTALL WALLCOVERING HORIZONTALLY	
13. PAINT DOOR AND FRAME P-4	
14. SEE ELEVATION FOR WALL TILE PATTERNS	
15. PROVIDE C-8 TOP CAP WHERE VINYL BASE MEETS WALL TILE - SEE A11.21	
16. PROVIDE TRANS-1 @ FLOORING TRANSITIONS	
17. PROVIDE CEMENTITIOUS UNDERLAYMENT AS REQUIRED UNDER VCT FLOORING TO GRADUALLY RAMP UP AND BRING FACE OF VCT FLUSH W/ FACE OF CARPET - PROVIDE TRANS-2 AS TRANSITION BETWEEN FLOORING TYPES.	
18. PROVIDE TRANS-3 AT FLOORING TRANSITION	
19. PROVIDE TRANS-4 AT FLOORING TRANSITION	
20. PROVIDE TRANS-5 AT FLOORING TRANSITION	
21. PROVIDE CEMENTITIOUS UNDERLAYMENT AS REQUIRED UNDER VCT FLOORING TO GRADUALLY RAMP UP AND BRING FACE OF VCT FLUSH W/ FACE OF CARPET - PROVIDE TRANS-5 AS TRANSITION BETWEEN FLOORING TYPES.	
22. PROVIDE TRANS-6 AT FLOORING TRANSITION	
23. PAINT GRT ATTACHED TO COLUMN P-1 TO MATCH COLUMN	
24. PAINT HANDRAIL P-4	
25. PROVIDE METAL STRIP INSIDE/OUTSIDE CORNER ACCESSORIES AT ALL LOCATIONS WHERE FLOOR MEETS WALL. ALL INSIDE WALL TILE CORNERS AND ALL OUTSIDE TILE WALL CORNERS	
26. PAINT CMU HP-4 BELOW LOCKERS	
27. PROVIDE RB-5 TO INSIDE PERIMETER OF MILL WORK DESK	
28. PROVIDE PRESSURE APPLIED VINYL LETTERING WITHIN EXTENTS INDICATED @ 7'-8" TO BOTTOM OF LETTERING. FONT IMPACT FONT HEIGHT: 1/4"	
29. INSTALL FRP FROM 0'-4" A.F.F. TO 5'-0" A.F.F. AND EXTEND PANELS 3'-0" FROM CORNER OF WALL BEHIND SIGN	
30. REFER TO ELEVATION SECTION FOR FIELD PAINTED PAINT DESIGNATIONS ON AWP-1	





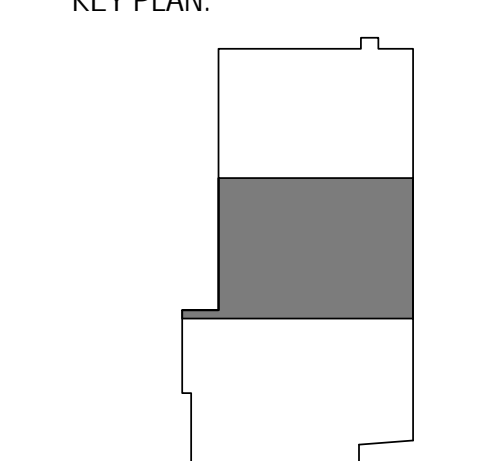
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 07/17/15

**ISSUED FOR BID  
 PACKAGE 2**

NO. DESCRIPTION DATE:

NO.	DESCRIPTION	DATE

SHEET TITLE:

**LEVEL 1 FINISH PLAN  
 AREA 2**

SHEET NUMBER:

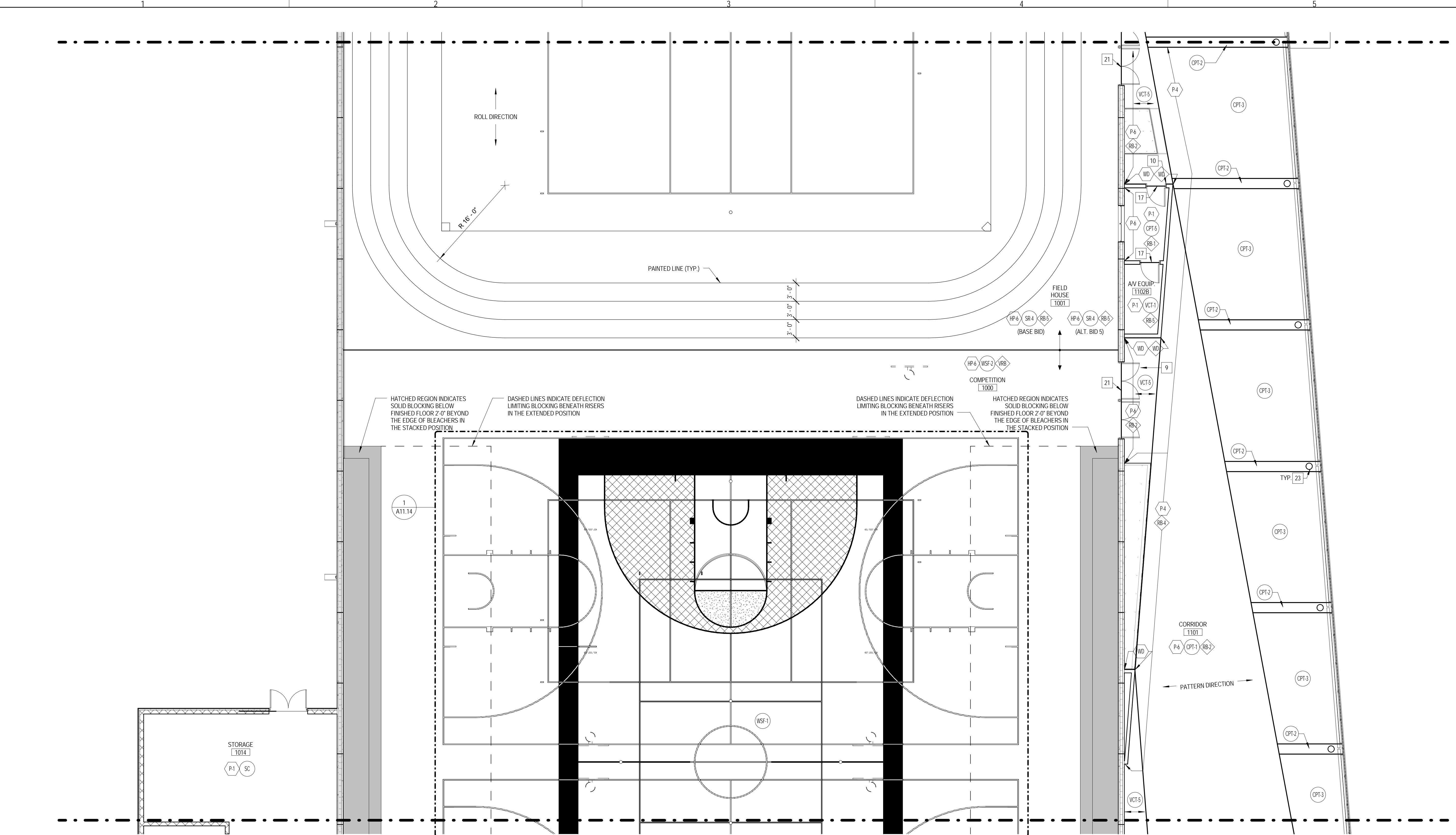
**A11.12**

7/20/2015 10:52:17 AM

WALL FINISH TYPES:			
TYPE	DESCRIPTION	MANUF.	PRODUCT
AWP-1	ACOUSTICAL WALL PANEL	TECTUM	1" FIELD PAINTED HP-4&10
AWP-2	ACOUSTICAL WALL PANEL	TECTUM	1" FACTORY PAINTED HP-5
FRP	FIBER REINFORCED PANEL	SEE SPEC	WHITE
EP-1	WHITE HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-1
EP-4	PURPLE HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-4
EP-7	BLACK HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-7
EP-8	MD GREY HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-8
EP-9	LT GREY HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-9
HP-4	PURPLE HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-4
HP-5	CHARCOAL HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-5
HP-6	PRECAST HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-6
HP-10	PRECAST HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH BENJAMIN MOORE 2088-20 GRAPE GUM
MIR	FULL HEIGHT MIRROR		
P-1	GENERAL WHITE PAINT	SHERWIN WILLIAMS	SNOWBOUND SW7004
P-2	CEILING WHITE PAINT		
P-3	YELLOW PAINT	BENJAMIN MOORE	FENNEL SEED 1101
P-4	PURPLE PAINT	BENJAMIN MOORE	SCANDAVIAN BLUE 2068-30
P-5	CHARCOAL PAINT	BENJAMIN MOORE	WATCHING HOUR 2120-30
P-6	PRECAST PAINT	BENJAMIN MOORE	SEA HAZE 2137-50
P-7	BLACK PAINT	BENJAMIN MOORE	BLACK INK 2127-20
P-8	MEDIUM GREY PAINT	BENJAMIN MOORE	STEEL WOOL 2121-20
P-9	LIGHT GREY PAINT	BENJAMIN MOORE	WINTER SOLSTICE 1605
WC-1	WRITABLE WALLCOVERING	EGAN	VERSA PRO
WC-2	CUSTOM WALLCOVERING	SEE SPEC	
WC-3	CUSTOM WALLCOVERING	SEE SPEC	
WC-4	CUSTOM WALLCOVERING	SEE SPEC	
WC-5	CUSTOM WALLCOVERING	SEE SPEC	
WD	WOOD VENEER	SEE SPEC	MAPLE VENEER
WT-1	BLUE GLASS MOSAIC TILE	CROSSVILLE	GLASSBLOX G039 1X1, COLOR: AMETHYST
WT-2	LT. TAN CERAMIC WALL TILE	CROSSVILLE	COLOR BLOX, COLOR: SANDBOX, SIZE: 18X18
WT-3	DK. TAN CERAMIC WALL TILE	CROSSVILLE	COLOR BLOX, COLOR: ROASTED MARSHMALLOW, SIZE: 18X18

FLOOR FINISH TYPES:			
TYPE	DESCRIPTION	MANUF.	PRODUCT
CPT-1	CONCOURSE BLACK CPT	INTERFACE	SL920, COLOR: BLACK LINE
CPT-2	CONCOURSE MD GREY CPT	INTERFACE	SL910, COLOR: CHARCOAL
CPT-3	CONCOURSE LT GREY CPT	INTERFACE	CUBIC, COLOR: GEOMETRY
CPT-4	BLACK CARPET TILE	INTERFACE	MONOCHROME, COLOR: BLACK
CPT-5	OFFICE CARPET TILE	INTERFACE	TECTONICS, COLOR: BINARY
CPT-6	PRESENTATION CARPET	INTERFACE	ON BOARD, COLOR: EBONY
CPT-7	COACHES LOCKER RM CPT	FORBO	FLOTEX NATURALS, COLOR: BLACKENED OAK 010037
CPT-8	PURPLE CARPET	INTERFACE	MONOCHROME, COLOR: CROCUS
DWT	DETECTABLE WARNING TILE	ROPPE	WARNING TILE, SAFETCORK Z100
EP-1	GREY EPOXY	SHERWIN WILLIAMS	3744 CR EPOXY, CHARCOAL S3
EP-2	PURPLE EPOXY	SHERWIN WILLIAMS	3744 CR EPOXY, CUSTOM
RT-1	BLACK RUBBER TILE	ROPPE	Z100 BLACK, FINISH: HAMMERED
RST-1	BLACK RUBBER STAIR TREAD	ROPPE	Z100 BLACK, FINISH: HAMMERED
SC	SEALED CONCRETE		
SR-1	BLACK SPORT RUBBER	RB RUBBER	CUSTOM BLACK MIX
SR-2	YELLOW SPORT RUBBER	RB RUBBER	CUSTOM YELLOW MIX
SR-3	PURPLE SPORT RUBBER	RB RUBBER	CUSTOM PURPLE MIX
SR-4	12MM RUBBER SPORT FLOOR	MONDO	SPORTFLEX M, GREY
SR-5	8MM RUBBER SPORT FLOOR	MONDO	ADVANCE, SAND
SV-1	BLACK SAFETY VINYL SHEET	ALTRO	WALKWAY 20, COOL
SV-2	GREY SAFETY VINYL SHEET	ALTRO	WALKWAY 20, BLIZZARD
T-1	PORCELAIN TILE	CROSSVILLE	COLOR BLOX, COLOR: I SEE THE MOON, SIZE: 18X18
VCT-1	MD GREY VINYL COMP TILE	ARMSTRONG	T3506 GLACIER GREY
VCT-2	BLACK VINYL COMPOSITE TILE	ARMSTRONG	T3500 BASALT BLACK
VCT-3	PURPLE VINYL COMP TILE	ARMSTRONG	T3525 VIOLET GRAPE
VCT-4	WHITE VINYL COMP TILE	ARMSTRONG	T3504 ICE WHITE
VCT-5	YELLOW VINYL COMP TILE	ARMSTRONG	R55807
WSF-1	WOOD SPORT FLOOR	CONNOR	GRADE 2 MAPLE
WSF-2	WOOD SPORT FLOOR	CONNOR	GRADE 3 MAPLE
WLKF-1	GREY WALKOFF CARPET	INTERFACE	FLOOR, COLOR: GREY
WLKF-2	BLACK WALKOFF CARPET	INTERFACE	FLOOR, COLOR: ANTHRACITE

WALL BASE TYPES:			
TYPE	DESCRIPTION	MANUF.	PRODUCT
EP-1	4" INTEGRAL EPOXY	GENERAL POLYMERS	COLOR: CHARCOAL S3
RB-1	4" STRAIGHT RUBBER BASE	JOHNSONITE	BLACK
RB-2	4" COVE RUBBER BASE	ROPPE	SMOKE 174
RB-3	1/2" RUBBER QUARTER RND	JOHNSONITE	BLACK
RB-4	4" COVE RUBBER BASE	JOHNSONITE	GRAPEST TB4
RB-5	4" COVE RUBBER BASE	JOHNSONITE	BLACK
RB-6	6" COVE RUBBER BASE	JOHNSONITE	BLACK
SV-1	4" SHEET VINYL COVE	ALTRO	WALKWAY 20, COOL
SV-2	SHEET VINYL COVE	ALTRO	WALKWAY 20, BLIZZARD
VRB	4" VENTED RUBBER BASE	JOHNSONITE	BLACK
WD	3/4" X 4" SOLID WOOD		MAPLE



**1 LEVEL 1 - AREA 2 FINISH PLAN**  
 1/8" = 1'-0"

**FIELD HOUSE FINISH PLAN GENERAL NOTES:**

1. ALL FLOOR STRIPING SHALL BE 2" UNLESS NOTED OTHERWISE
2. ALL FLOOR STRIPING SHALL CONFORM TO NCAA REQUIREMENTS
3. PROVIDE 1" GAP BETWEEN BASKETBALL COMPETITION COURT STRIPING AND VOLLEYBALL COMPETITION COURT STRIPING WHERE STRIPING INTERSECTS - BASKETBALL LINES SHALL BE CONTINUOUS
4. PROVIDE 1" GAP BETWEEN BASKETBALL PRACTICE COURT STRIPING AND VOLLEYBALL PRACTICE COURT STRIPING WHERE STRIPING INTERSECTS - BASKETBALL LINES SHALL BE CONTINUOUS
5. ALL PAINT STRIPING COLORS SHALL BE SELECTED BY ARCHITECT
6. ARCHITECT SHALL PROVIDE ALL ARTWORK

**FIELD HOUSE FINISH PLAN REFERENCE NOTES:**

1. HATCHED AREA INDICATES WOOD FLOORING TO RECEIVE WHITE WASH STAIN
2. HATCHED AREA INDICATES SOLID PURPLE PAINT
3. FLOOR SLEEVE
4. DASHED LINES INDICATE 24" WIDE PAINTED FREE THROW STRIPE - COORDINATE LOCATION WITH OVERHEAD BACKSTOPS
5. LINE AT WHICH SECOND GRADE MAPLE TRANSITIONS TO THIRD GRADE MAPLE
6. PAINTED NJCAA LOGO GRAPHIC
7. HATCH INDICATES SOLID PAINTED FIELD (6'-0" @ N/S SIDES, 3'-2" @ E/W SIDES)
8. LINES RECEIVE NO PAINT

FINISH PLAN SYMBOLS LEGEND:		
	WALL FINISH TYPE	
	WALL BASE TYPE	
	FLOOR FINISH TYPE	

FINISH PLAN GENERAL NOTES:	
1. PAINT ALL EXPOSED CONDUIT, DUCTWORK, PIPING, ETC. IN ALL FINISHED SPACES. REFER TO INTERIOR FINISH PLANS AND REFLECTED CEILING PLANS FOR CLARIFICATIONS.	
2. PAINT ALL EXPOSED METAL ON EXTERIOR INCLUDING, BUT NOT LIMITED TO, CONDUIT, PIPING, FLASHING, MECHANICAL FLUES AND DUCTS, AND HOLLOW METAL FRAMES AND DOORS.	
3. ALL FINISHES ARE MONUMENTAL PER ROOM UNLESS NOTED OTHERWISE.	
4. HOLLOW METAL DOORS TO BE PAINTED P-5 UNLESS NOTED OTHERWISE. ALL H.M. FRAMES TO BE PAINTED P-4 U.N.O.	
5. AT ALL LOCATIONS WHERE CASEWORK IS TO BE INSTALLED, THE SUBSEQUENT BASE TYPE SPECIFIED FOR EACH ROOM SHALL BE INSTALLED OVER CASEWORK TOE BLOCKS UNLESS NOTED OTHERWISE. REFER TO FLOORPLANS FOR CASEWORK LOCATIONS.	
6. PAINT ALL GYP. BD. CEILINGS P-1 UNLESS NOTED OTHERWISE.	
7. ALL CARPET TILE TO BE INSTALLED BRICK PATTERN UNLESS SPECIFIED OTHERWISE.	
8. PAINT ALL EXPOSED ROUND COLUMNS P-1 U.N.O.	
9. REFER TO REFLECTED CEILING PLANS FOR ALL CEILING PAINT AND FINISH DESIGNATIONS.	
10. REFER TO A11.14 FOR ALT. BID 1, 2, 3 FINISH DESIGNATIONS	

FINISH PLAN REFERENCED NOTES:	
1. ROOM 111-0 TO 14-0 A.F.F.	
2. PAINT FACE OF STAIR STRINGER P-5	
3. PAINT ELEVATOR DOOR FRAME P-4	
4. INSTALL RB-4 ON ALL GROUND FACE BLOCK WALLS	
5. PAINT ALL METAL HANDRAILS, STRINGERS, AND METAL STAIR COMPONENTS P-5	
6. PAINT VERTICAL HANDRAIL STANCHIONS P-9	
7. REFER TO ELEVATIONS FOR LOCATIONS/EXTENTS OF AWP-2	
8. REFER TO 301.51 FOR EXTENTS OF P-1	
9. PAINT H.M. DOORS AND FRAMES P-5	
10. PAINT H.M. DOOR AND FRAME P-3	
11. PAINT H.M. DOOR AND FRAME P-1	
12. INSTALL WALLCOVERING HORIZONTALLY	
13. PAINT DOOR AND FRAME P-4	
14. SEE ELEVATION FOR WALL TILE PATTERNS	
15. PROVIDE C-8 TOP CAP WHERE VINYL BASE MEETS WALL TILE - SEE 2/A11.21	
16. PROVIDE TRANS-1 @ FLOORING TRANSITIONS	
17. PROVIDE CEMENTITIOUS UNDERLAYMENT AS REQUIRED UNDER VCT FLOORING TO GRADUALLY RAMP UP AND BRING FACE OF VCT FLUSH W/ FACE OF CARPET - PROVIDE TRANS-2 AS TRANSITION BETWEEN FLOORING TYPES.	
18. PROVIDE TRANS-3 AT FLOORING TRANSITION	
19. PROVIDE TRANS-4 AT FLOORING TRANSITION	
20. PROVIDE TRANS-5 AT FLOORING TRANSITION	
21. PROVIDE CEMENTITIOUS UNDERLAYMENT AS REQUIRED UNDER VCT FLOORING TO GRADUALLY RAMP UP AND BRING FACE OF VCT FLUSH W/ FACE OF CARPET - PROVIDE TRANS-5 AS TRANSITION BETWEEN FLOORING TYPES.	
22. PROVIDE TRANS-6 AT FLOORING TRANSITION	
23. PAINT GRTI ATTACHED TO COLUMN P-1 TO MATCH COLUMN	
24. PAINT HANDRAIL P-9	
25. PROVIDE METAL STRIP INSIDE/OUTSIDE CORNER ACCESSORIES AT ALL LOCATIONS WHERE FLOOR MEETS WALL. ALL INSIDE WALL TILE CORNERS AND ALL OUTSIDE TILE WALL CORNERS	
26. PAINT CMU HP-4 BELOW LOCKERS	
27. PROVIDE RB-5 TO INSIDE PERIMETER OF MILLWORK DESK	

28. PROVIDE PRESSURE APPLIED VINYL LETTERING WITHIN EXTENTS INDICATED @ 7'-8" TO BOTTOM OF LETTERING. FONT IMPACT FONT HEIGHT: 1-1/4"
29. INSTALL FRP FROM 0'-4" A.F.F. TO 5'-0" A.F.F. AND EXTEND PANELS 3'-0" FROM CORNER OF WALL BEHIND SINK
30. REFER TO ELEVATION/SECTION FOR FIELD PAINTED PAINT DESIGNATIONS ON AWP-1



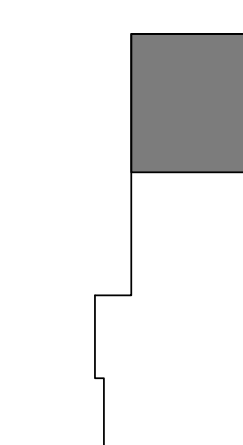
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 07/17/15

**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1 FINISH PLAN  
 AREA 3**

SHEET NUMBER:

**A11.13**

7/20/2015 10:52:21 AM

WALL FINISH TYPES:			
TYPE	DESCRIPTION	MANUF.	PRODUCT
AWP-1	ACOUSTICAL WALL PANEL	TECTUM	1" FIELD PAINTED HP-4&10
AWP-2	ACOUSTICAL WALL PANEL	TECTUM	1" FACTORY PAINTED HP-5
FRP	FIBER REINFORCED PANEL	SEE SPEC	WHITE
EP-1	WHITE HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-1
EP-4	PURPLE HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-4
EP-7	BLACK HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-7
EP-8	MD GREY HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-8
EP-9	LT GREY HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-9
HP-4	PURPLE HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-4
HP-5	CHARCOAL HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-5
HP-6	PRECAST HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-6
HP-10	PRECAST HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH BENJAMIN MOORE 2068-20 GRAPE GUM
MIR	FULL HEIGHT MIRROR		
P-1	GENERAL WHITE PAINT	SHERWIN WILLIAMS	SNOWBOUND SW7004
P-2	CEILING WHITE PAINT		
P-3	YELLOW PAINT	BENJAMIN MOORE	FENNEL SEED 1101
P-4	PURPLE PAINT	BENJAMIN MOORE	SCANDAVIAN BLUE 2068-30
P-5	CHARCOAL PAINT	BENJAMIN MOORE	WITCHING HOUR 2120-30
P-6	PRECAST PAINT	BENJAMIN MOORE	SEA HAZE 2137-50
P-7	BLACK PAINT	BENJAMIN MOORE	BLACK INK 2127-20
P-8	MEDIUM GREY PAINT	BENJAMIN MOORE	STEEL WOOL 2121-20
P-9	LIGHT GREY PAINT	BENJAMIN MOORE	WINTER SOLSTICE 1605
WC-1	WRITABLE WALLCOVERING	EGAN	VERSA PRO
WC-2	CUSTOM WALLCOVERING	SEE SPEC	
WC-3	CUSTOM WALLCOVERING	SEE SPEC	
WC-4	CUSTOM WALLCOVERING	SEE SPEC	
WC-5	CUSTOM WALLCOVERING	SEE SPEC	
WD	WOOD VENEER	SEE SPEC	MAPLE VENEER
WT-1	BLUE GLASS MOSAIC TILE	CROSSVILLE	GLASSBLOX CO39 1X1, COLOR: AMETHYST
WT-2	LT. TAN CERAMIC WALL TILE	CROSSVILLE	COLOR BLOX, COLOR: SANDBOX, SIZE: 18X18
WT-3	DK. TAN CERAMIC WALL TILE	CROSSVILLE	COLOR BLOX, COLOR: ROASTED MARSHMALLOW, SIZE: 18X18

FLOOR FINISH TYPES:			
TYPE	DESCRIPTION	MANUF.	PRODUCT
CPT-1	CONCOURSE BLACK CPT	INTERFACE	SL920, COLOR: BLACK LINE
CPT-2	CONCOURSE MD GREY CPT	INTERFACE	SL910, COLOR: CHARCOAL
CPT-3	CONCOURSE LT GREY CPT	INTERFACE	CUBIC, COLOR: GEOMETRY
CPT-4	BLACK CARPET TILE	INTERFACE	MONOCHROME, COLOR: BLACK
CPT-5	OFFICE CARPET TILE	INTERFACE	TECTONICS, COLOR: BINARY
CPT-6	PRESENTATION CARPET	INTERFACE	ON BOARD, COLOR: EBONY
CPT-7	COACHES LOCKER RM CPT	FORBO	FLOTEX NATURALS, COLOR: BLACKENED OAK 010037
CPT-8	PURPLE CARPET	INTERFACE	MONOCHROME, COLOR: CROCUS
DWT	DETECTABLE WARNING TILE	ROPPE	WARNING TILE, SAFETCORK Z100
EP-1	GREY EPOXY	SHERWIN WILLIAMS	3744 CR EPOXY, CHARCOAL S3
EP-2	PURPLE EPOXY	SHERWIN WILLIAMS	3744 CR EPOXY, CUSTOM
RT-1	BLACK RUBBER TILE	ROPPE	Z100 BLACK, FINISH: HAMMERED
RST-1	BLACK RUBBER STAIR TREAD	ROPPE	Z100 BLACK, FINISH: HAMMERED
SC	SEALED CONCRETE		
SR-1	BLACK SPORT RUBBER	RB RUBBER	CUSTOM BLACK MIX
SR-2	YELLOW SPORT RUBBER	RB RUBBER	CUSTOM YELLOW MIX
SR-3	PURPLE SPORT RUBBER	RB RUBBER	CUSTOM PURPLE MIX
SR-4	12MM RUBBER SPORT FLOOR	MONDO	SPORTFLEX M, GREY
SR-5	8MM RUBBER SPORT FLOOR	MONDO	ADVANCE, SAND
SV-1	BLACK SAFETY VINYL SHEET	ALTRO	WALKWAY 20, COOL
SV-2	GREY SAFETY VINYL SHEET	ALTRO	WALKWAY 20, BLIZZARD
T-1	PORCELAIN TILE	CROSSVILLE	COLOR BLOX, COLOR: I SEE THE MOON, SIZE: 18X18
VCT-1	MD GREY VINYL COMP TILE	ARMSTRONG	T3506 GLACIER GREY
VCT-2	BLACK VINYL COMPOSITE TILE	ARMSTRONG	T3500 BASALT BLACK
VCT-3	PURPLE VINYL COMP TILE	ARMSTRONG	T3525 VIOLET GRAPE
VCT-4	WHITE VINYL COMP TILE	ARMSTRONG	T3504 ICE WHITE
VCT-5	YELLOW VINYL COMP TILE	ARMSTRONG	R55807
WSF-1	WOOD SPORT FLOOR	CONNOR	GRADE 2 MAPLE
WSF-2	WOOD SPORT FLOOR	CONNOR	GRADE 3 MAPLE
WKF-1	GREY WALKOFF CARPET	INTERFACE	FLOOR, COLOR: GREY
WKF-2	BLACK WALKOFF CARPET	INTERFACE	FLOOR, COLOR: ANTHRACITE

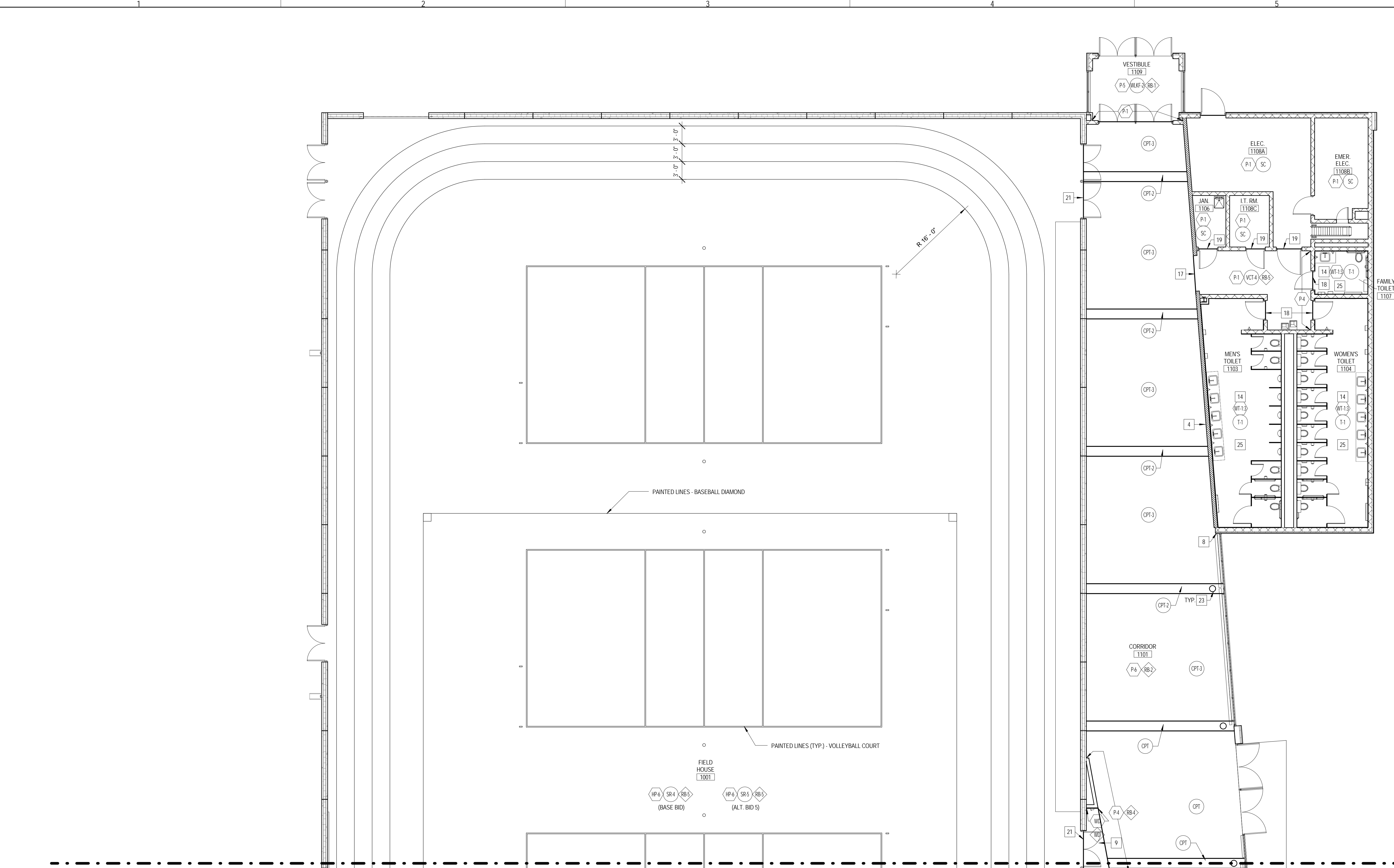
WALL BASE TYPES:			
TYPE	DESCRIPTION	MANUF.	PRODUCT
EP-1	4" INTEGRAL EPOXY	GENERAL POLYMER	COLOR: CHARCOAL S3
RB-1	4" STRAIGHT RUBBER BASE	JOHNSONITE	BLACK
RB-2	4" COVE RUBBER BASE	ROPPE	SMOKE 174
RB-3	1/2" RUBBER QUARTER RND	JOHNSONITE	BLACK
RB-4	4" COVE RUBBER BASE	JOHNSONITE	GRAPEST TB4
RB-5	4" COVE RUBBER BASE	JOHNSONITE	BLACK
RB-6	4" COVE RUBBER BASE	JOHNSONITE	BLACK
SV-1	4" SHEET VINYL COVE	ALTRO	WALKWAY 20, COOL
SV-2	SHEET VINYL COVE	ALTRO	WALKWAY 20, BLIZZARD
VRB	4" VENTED RUBBER BASE	JOHNSONITE	BLACK
WD	3/4" X 4" SOLID WOOD		MAPLE

**FIELD HOUSE FINISH PLAN GENERAL NOTES:**

- ALL FLOOR STRIPING SHALL BE 2" UNLESS NOTED OTHERWISE
- ALL FLOOR STRIPING SHALL CONFORM TO NCAA REQUIREMENTS
- PROVIDE 1" GAP BETWEEN BASKETBALL COMPETITION COURT STRIPING AND VOLLEYBALL COMPETITION COURT STRIPING WHERE STRIPING INTERSECTS - BASKETBALL LINES SHALL BE CONTINUOUS
- PROVIDE 1" GAP BETWEEN BASKETBALL PRACTICE COURT STRIPING AND VOLLEYBALL PRACTICE COURT STRIPING WHERE STRIPING INTERSECTS - BASKETBALL LINES SHALL BE CONTINUOUS
- ALL PAINT STRIPING COLORS SHALL BE SELECTED BY ARCHITECT
- ARCHITECT SHALL PROVIDE ALL ARTWORK

**FIELD HOUSE FINISH PLAN REFERENCE NOTES:**

- HATCHED AREA INDICATES WOOD FLOORING TO RECEIVE WHITE WASH STAIN
- HATCHED AREA INDICATES SOLID PURPLE PAINT
- FLOOR SLEEVE
- DASHED LINES INDICATE 24" WIDE PAINTED FREE THROW STRIPE - COORDINATE LOCATION WITH OVERHEAD BACKSTOPS
- LINE AT WHICH SECOND GRADE MAPLE TRANSITIONS TO THIRD GRADE MAPLE
- PAINTED NJCAA LOGO GRAPHIC
- HATCH INDICATES SOLID PAINTED FIELD (6'-0" @ N/S SIDES, 3'-2" @ E/W SIDES)
- LINES RECEIVE NO PAINT



**1 LEVEL 1 - AREA 3 FINISH PLAN**  
 1/8" = 1'-0"

FINISH PLAN SYMBOLS LEGEND:		
	WALL FINISH TYPE	
	WALL BASE TYPE	
	FLOOR FINISH TYPE	

FINISH PLAN GENERAL NOTES:	
1. PAINT ALL EXPOSED CONDUIT, DUCTWORK, PIPING, ETC. IN ALL FINISHED SPACES. REFER TO INTERIOR FINISH PLANS AND REFLECTED CEILING PLANS FOR CLARIFICATIONS.	
2. PAINT ALL EXPOSED METAL ON EXTERIOR INCLUDING, BUT NOT LIMITED TO, CONDUIT, PIPING, FLASHING, MECHANICAL FLUES AND DUCTS, AND HOLLOW METAL FRAMES AND DOORS.	
3. ALL FINISHES ARE MONUMENTAL PER ROOM UNLESS NOTED OTHERWISE.	
4. HOLLOW METAL DOORS TO BE PAINTED P-5 UNLESS NOTED OTHERWISE. ALL H.M. FRAMES TO BE PAINTED P-4 U.N.O.	
5. AT ALL LOCATIONS WHERE CASEWORK IS TO BE INSTALLED, THE SUBSEQUENT BASE TYPE SPECIFIED FOR EACH ROOM SHALL BE INSTALLED OVER CASEWORK TOE KICKS UNLESS NOTED OTHERWISE. REFER TO FLOORPLANS FOR CASEWORK LOCATIONS.	
6. PAINT ALL GYP. BD. CEILINGS P-1 UNLESS NOTED OTHERWISE.	
7. ALL CARPET TILE TO BE INSTALLED BRICK PATTERN UNLESS SPECIFIED OTHERWISE.	
8. PAINT ALL EXPOSED ROUND COLUMNS P-1 U.N.O.	
9. REFER TO REFLECTED CEILING PLANS FOR ALL CEILING PAINT AND FINISH DESIGNATIONS.	
10. REFER TO A11.14 FOR ALT. BID 1, 2, 3 FINISH DESIGNATIONS	

FINISH PLAN REFERENCED NOTES:	
1. ROOM 11'-0 TO 14'-0" A.F.F.	
2. PAINT FACE OF STAIR STRINGER P-5	
3. PAINT ELEVATOR DOOR FRAME P-4	
4. INSTALL RB-4 ON ALL GROUND FACE BLOCK WALLS	
5. PAINT ALL METAL HANDRAILS, STRINGERS, AND METAL STAIR COMPONENTS P-5	
6. PAINT VERTICAL HANDRAIL STANCHIONS P-9	
7. REFER TO ELEVATIONS FOR LOCATIONS/EXTENTS OF AWP-2	
8. REFER TO 301.51 FOR EXTENTS OF P-4	
9. PAINT H.M. DOORS AND FRAMES P-5	
10. PAINT H.M. DOOR AND FRAME P-3	
11. PAINT H.M. DOOR AND FRAME P-1	
12. INSTALL WALLCOVERING HORIZONTALLY	
13. PAINT DOOR AND FRAME P-4	
14. SEE ELEVATION FOR WALL TILE PATTERNS	
15. PROVIDE C-8 TOP CAP WHERE VINYL BASE MEETS WALL TILE - SEE 2/A11.21	
16. PROVIDE TRANS-1 @ FLOORING TRANSITIONS	
17. PROVIDE CEMENTitious UNDERLAYMENT AS REQUIRED UNDER VCT FLOORING TO GRADUALLY RAMP UP AND BRING FACE OF VCT FLUSH W/ FACE OF CARPET - PROVIDE TRANS-2 AS TRANSITION BETWEEN FLOORING TYPES.	
18. PROVIDE TRANS-3 AT FLOORING TRANSITION	
19. PROVIDE TRANS-4 AT FLOORING TRANSITION	
20. PROVIDE TRANS-5 AT FLOORING TRANSITION	
21. PROVIDE CEMENTitious UNDERLAYMENT AS REQUIRED UNDER VCT FLOORING TO GRADUALLY RAMP UP AND BRING FACE OF VCT FLUSH W/ FACE OF CARPET - PROVIDE TRANS-5 AS TRANSITION BETWEEN FLOORING TYPES.	
22. PROVIDE TRANS-6 AT FLOORING TRANSITION	
23. PAINT GRT ATTACHED TO COLUMN P-1 TO MATCH COLUMN	
24. PAINT HANDRAIL P-9	
25. PROVIDE METAL STRIP INSIDE/OUTSIDE CORNER ACCESSORIES AT ALL LOCATIONS WHERE FLOOR MEETS WALL. ALL INSIDE WALL TILE CORNERS AND ALL OUTSIDE TILE WALL CORNERS	
26. PAINT CHU HP-4 BELOW LOCKERS	
27. PROVIDE RB-5 TO INSIDE PERIMETER OF MILL WORK DESK	

28. PROVIDE PRESSURE APPLIED VINYL LETTERING WITHIN EXTENTS INDICATED @ 7'-8" TO BOTTOM OF LETTERING. FONT IMPACT FONT HEIGHT: 1-1/4"
29. INSTALL FRP FROM 0'-4" A.F.F. TO 5'-0" A.F.F. AND EXTEND PANELS 3'-0" FROM CORNER OF WALL BEHIND SIGN
30. REFER TO ELEVATION/SECTION FOR FIELD PAINTED PAINT DESIGNATIONS ON AWP-1





ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

- FIELD HOUSE FINISH PLAN GENERAL NOTES:**
1. ALL FLOOR STRIPING SHALL BE 2" UNLESS NOTED OTHERWISE
  2. ALL FLOOR STRIPING SHALL CONFORM TO NCAA REQUIREMENTS
  3. PROVIDE 1" GAP BETWEEN BASKETBALL COMPETITION COURT STRIPING AND VOLLEYBALL COMPETITION COURT STRIPING WHERE STRIPING INTERSECTS - BASKETBALL LINES SHALL BE CONTINUOUS
  4. PROVIDE 1" GAP BETWEEN BASKETBALL PRACTICE COURT STRIPING AND VOLLEYBALL PRACTICE COURT STRIPING WHERE STRIPING INTERSECTS - BASKETBALL LINES SHALL BE CONTINUOUS
  5. ALL PAINT STRIPING COLORS SHALL BE SELECTED BY ARCHITECT
  6. ARCHITECT SHALL PROVIDE ALL ARTWORK

- FIELD HOUSE FINISH PLAN REFERENCE NOTES:**
1. HATCHED AREA INDICATES WOOD FLOORING TO RECEIVE WHITE WASH STAIN
  2. HATCHED AREA INDICATES SOLID PURPLE PAINT
  3. FLOOR SLEEVE
  4. DASHED LINES INDICATE 24" WIDE PAINTED FREE THROW STRIPE - COORDINATE LOCATION WITH OVERHEAD BACKSTOPS
  5. LINE AT WHICH SECOND GRADE MAPLE TRANSITIONS TO THIRD GRADE MAPLE
  6. PAINTED NCAA LOGO GRAPHIC
  7. HATCH INDICATES SOLID PAINTED FIELD @ 6" @ NS SIDES, 3" @ EW SIDES
  8. LINES RECEIVE NO PAINT

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

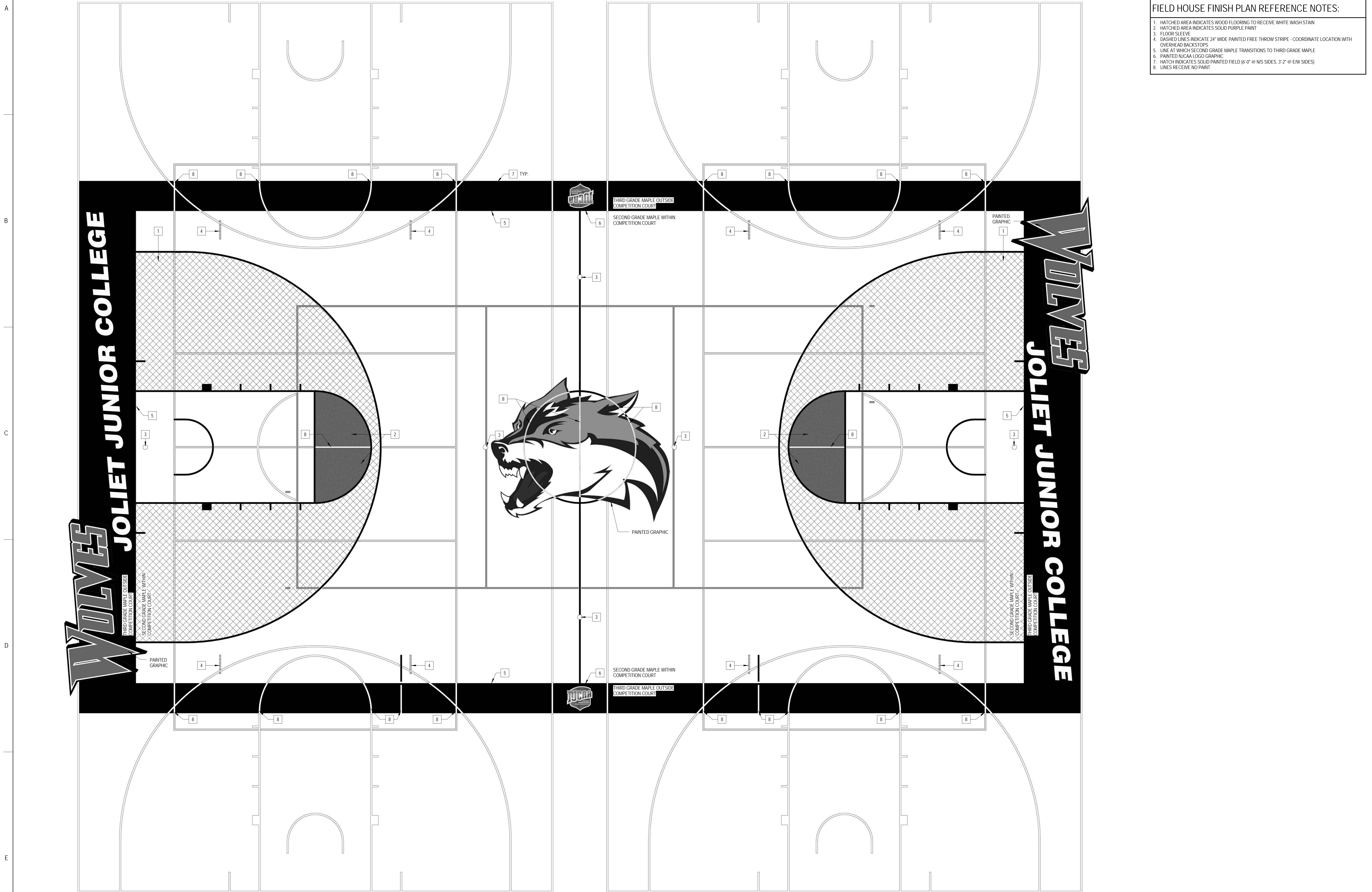
KEY PLAN:

SHEET STATUS: 07/17/15  
**ISSUED FOR BID  
 PACKAGE 2**

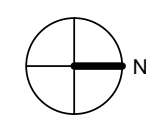
NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1 FINISH PLAN  
 FIELD HOUSE  
 STRIPING**

SHEET NUMBER:  
**A11.14**



1 LEVEL 1 - FINISH PLAN - FIELD HOUSE STRIPING  
 1/4" = 1'-0"



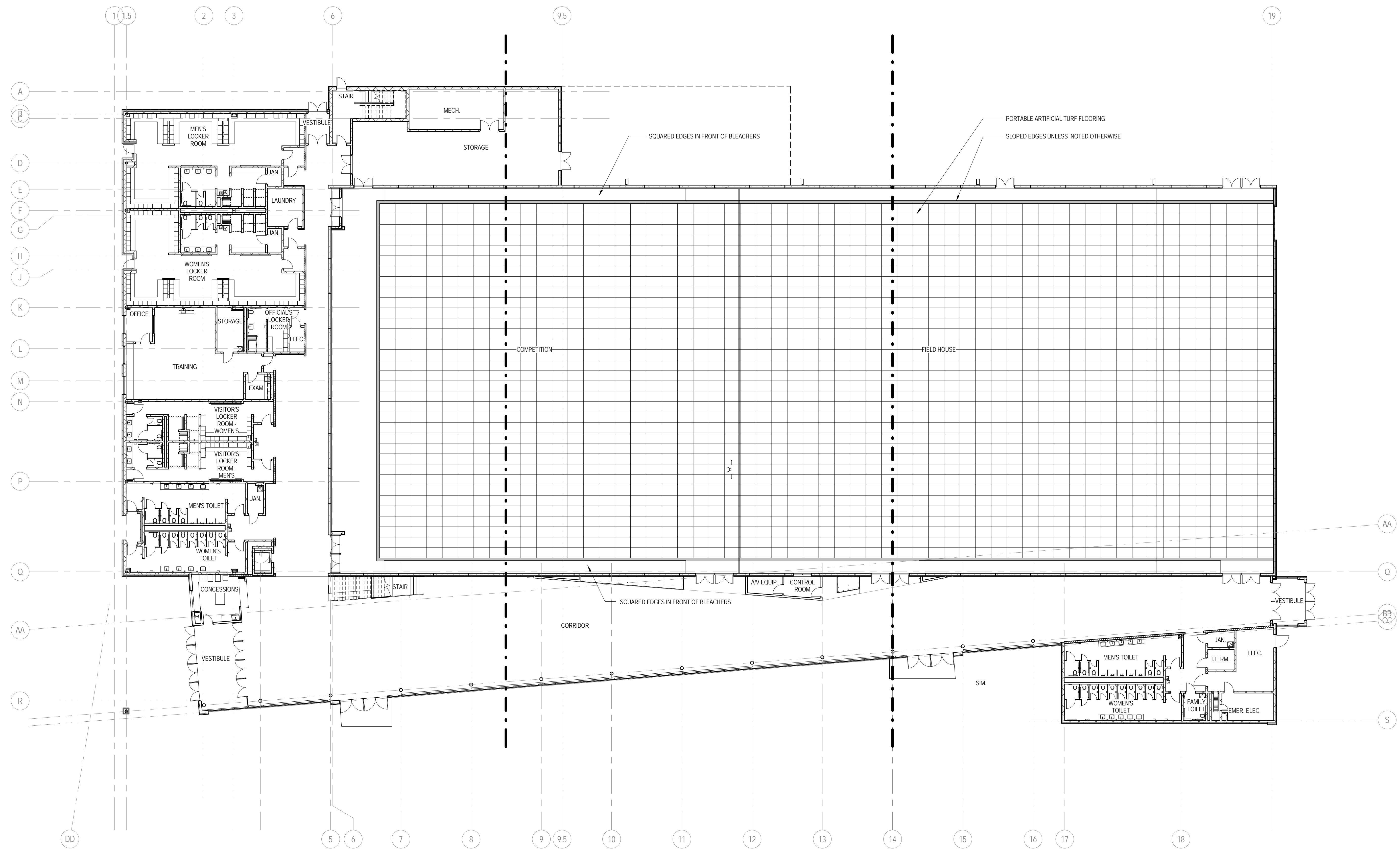


ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



1 Level 1 Finish Plan - ALT BID 4  
 1/16" = 1'-0"

KEY PLAN:

SHEET STATUS: 07/17/15

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1 FINISH PLAN  
 - ALTERNATE BID 4**

SHEET NUMBER:

**A11.15**





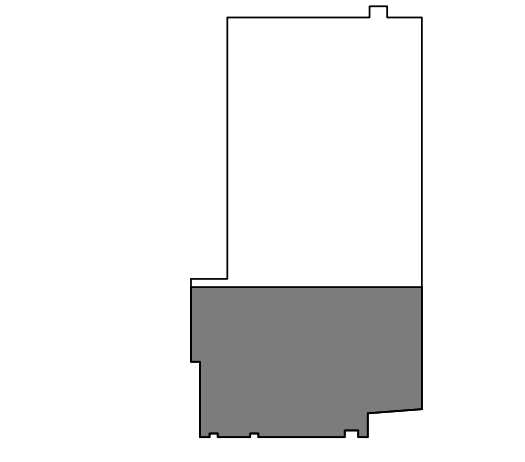
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE**  
**MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 07/17/15  
**ISSUED FOR BID**  
**PACKAGE 2**

NO.	DESCRIPTION:	DATE:

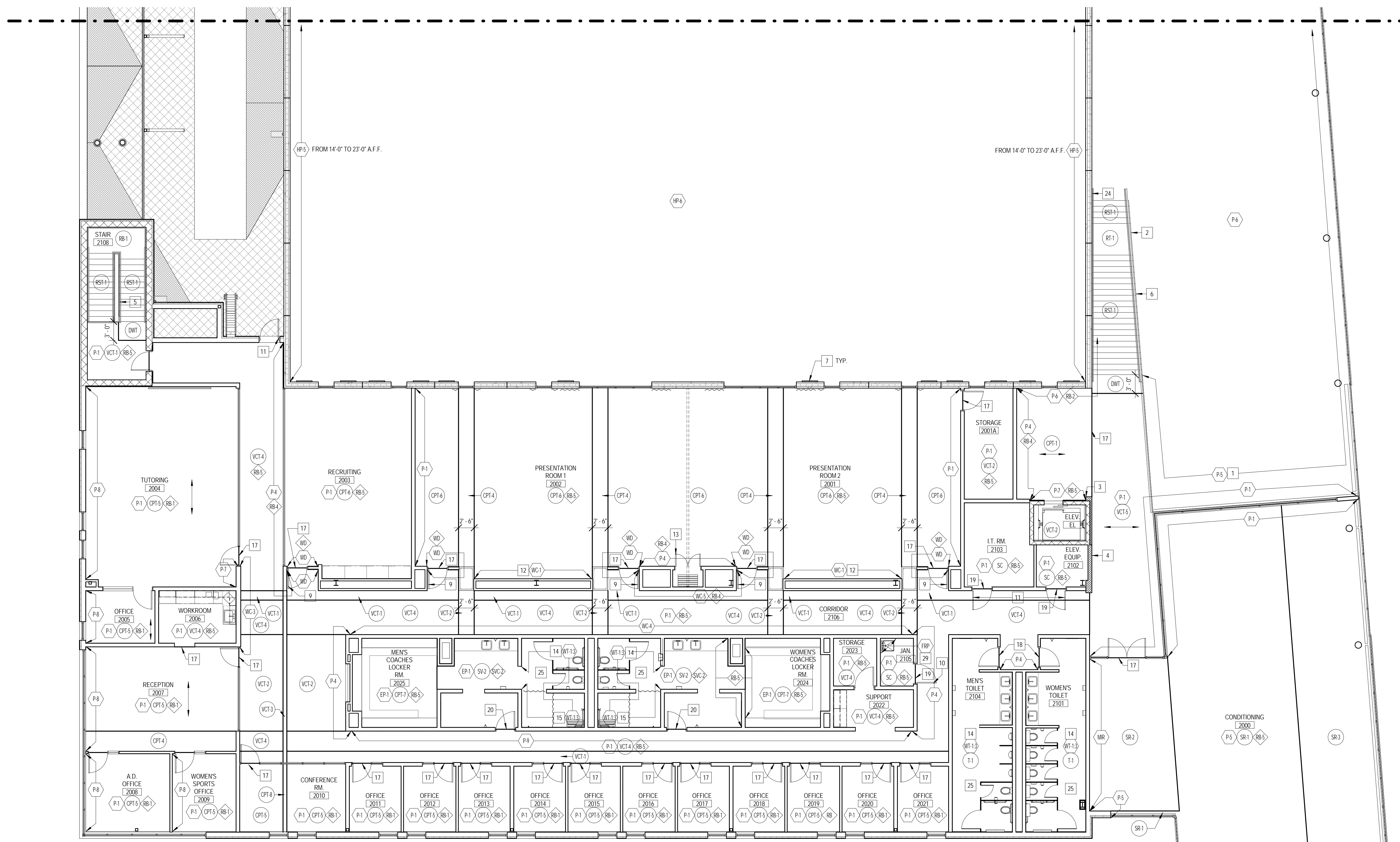
SHEET TITLE:  
**LEVEL 2 FINISH PLAN**  
**AREA 1**

SHEET NUMBER:  
**A11.21**

WALL FINISH TYPES:			
TYPE	DESCRIPTION	MANUF.	PRODUCT
AWP-1	ACOUSTICAL WALL PANEL	TECTUM	1" FIELD PAINTED HP-4&10
AWP-2	ACOUSTICAL WALL PANEL	TECTUM	1" FACTORY PAINTED HP-5
FRP	FIBER REINFORCED PANEL	SEE SPEC	WHITE
EP-1	WHITE HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-1
EP-4	PURPLE HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-4
EP-7	BLACK HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-7
EP-8	MD GREY HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-8
EP-9	LT GREY HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-9
HP-4	PURPLE HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-4
HP-5	CHARCOAL HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-5
HP-6	PRECAST HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-6
HP-10	PRECAST HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH BENJAMIN MOORE 2088-20 GRAPE GUM.
MIR	FULL HEIGHT MIRROR		
P-1	GENERAL WHITE PAINT	SHERWIN WILLIAMS	SNOWBOUND SW7004
P-2	CEILING WHITE PAINT		
P-3	YELLOW PAINT	BENJAMIN MOORE	FENNEL SEED 1101
P-4	PURPLE PAINT	BENJAMIN MOORE	SCANDYMAN BLUE 2088-30
P-5	CHARCOAL PAINT	BENJAMIN MOORE	WITCHING HOUR 2120-30
P-6	PRECAST PAINT	BENJAMIN MOORE	SEA HAZE 2137-50
P-7	BLACK PAINT	BENJAMIN MOORE	BLACK INK 2127-20
P-8	MEDIUM GREY PAINT	BENJAMIN MOORE	STEEL WOOL 2121-20
P-9	LIGHT GREY PAINT	BENJAMIN MOORE	WINTER SOLSTICE 1605
WC-1	WRITABLE WALLCOVERING	EGAN	VERSA PRO
WC-2	CUSTOM WALLCOVERING	SEE SPEC	
WC-3	CUSTOM WALLCOVERING	SEE SPEC	
WC-4	CUSTOM WALLCOVERING	SEE SPEC	
WC-5	CUSTOM WALLCOVERING	SEE SPEC	
WD	WOOD VENEER	SEE SPEC	MAPLE VENEER
WT-1	BLUE GLASS MOSAIC TILE	CROSSVILLE	GLASSBLOX CO39 1X1, COLOR: AMETHYST
WT-2	LT. TAN CERAMIC WALL TILE	CROSSVILLE	COLOR BLOX, COLOR: SANDBOX, SIZE: 18X18
WT-3	DK. TAN CERAMIC WALL TILE	CROSSVILLE	COLOR BLOX, COLOR: ROASTED MARSHMALLOW, SIZE: 18X18

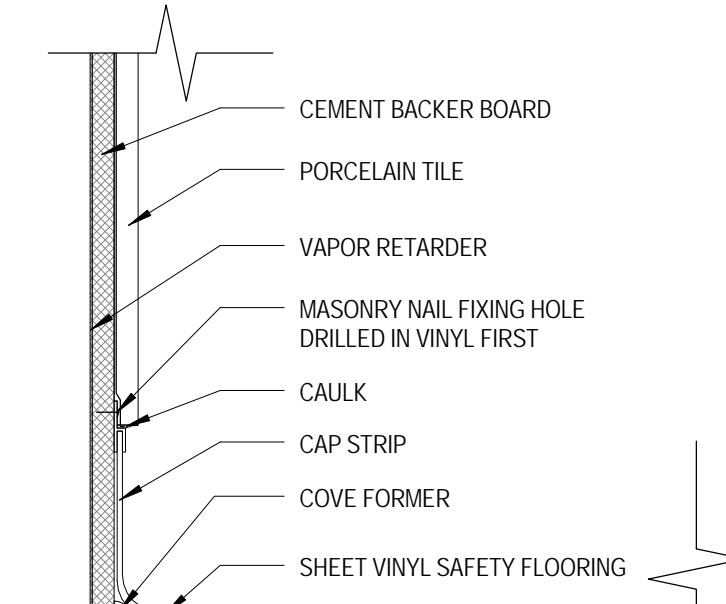
FLOOR FINISH TYPES:			
TYPE	DESCRIPTION	MANUF.	PRODUCT
CPT-1	CONCOURSE BLACK CPT	INTERFACE	SL920 COLOR: BLACK LINE
CPT-2	CONCOURSE MD GREY CPT	INTERFACE	SL910 COLOR: CHARCOAL
CPT-3	CONCOURSE LT GREY CPT	INTERFACE	CUBIC, COLOR: GEOMETRY,
CPT-4	BLACK CARPET TILE	INTERFACE	MONOCHROME, COLOR: BLACK
CPT-5	OFFICE CARPET TILE	INTERFACE	TECTONICS, COLOR: BINARY
CPT-6	PRESENTATION CARPET	INTERFACE	ON BOARD, COLOR: EBONY
CPT-7	COACHES LOCKER RM CPT	FORBO	FLOTEX NATURALIS, COLOR: BLACKENED OAK 010037
CPT-8	PURPLE CARPET	INTERFACE	MONOCHROME, COLOR: CROCUS
DWT	DETECTABLE WARNING TILE	ROPPE	WARNING TILE, SAFETCORK Z100
EP-1	GREY EPOXY	SHERWIN WILLIAMS	3744 CR EPOXY, CHARCOAL S3
EP-2	PURPLE EPOXY	SHERWIN WILLIAMS	3744 CR EPOXY, CUSTOM
RT-1	BLACK RUBBER TILE	ROPPE	Z100 BLACK, FINISH: HAMMERED
RS-1	BLACK RUBBER STAIR TREAD	ROPPE	Z100 BLACK, FINISH: HAMMERED
SC	SEALED CONCRETE		
SR-1	BLACK SPORT RUBBER	RB RUBBER	CUSTOM BLACK MIX
SR-2	YELLOW SPORT RUBBER	RB RUBBER	CUSTOM YELLOW MIX
SR-3	PURPLE SPORT RUBBER	RB RUBBER	CUSTOM PURPLE MIX
SR-4	12MM RUBBER SPORT FLOOR	MONDO	SPORTFLEX M GREY
SR-5	8MM RUBBER SPORT FLOOR	MONDO	ADVANCE SAND
SV-1	BLACK SAFETY VINYL SHEET	ALTRO	WALKWAY 20, COOL
SV-2	GREY SAFETY VINYL SHEET	ALTRO	WALKWAY 20, BLIZZARD
T-1	PORCELAIN TILE	CROSSVILLE	COLOR BLOX, COLOR: I SEE THE MOON, SIZE: 18X18
VCT-1	MD GREY VINYL COMP TILE	ARMSTRONG	T3506 GLACIER GREY
VCT-2	BLACK VINYL COMPOSITE TILE	ARMSTRONG	T3509 BASALT BLACK
VCT-3	PURPLE VINYL COMP TILE	ARMSTRONG	T3525 VIOLET GRAPE
VCT-4	WHITE VINYL COMP TILE	ARMSTRONG	T3504 ICE WHITE
VCT-5	YELLOW VINYL COMP TILE	ARMSTRONG	R55807
WSF-1	WOOD SPORT FLOOR	CONNOR	GRADE 2 MAPLE
WSF-2	WOOD SPORT FLOOR	CONNOR	GRADE 3 MAPLE
WLKF-1	GREY WALKOFF CARPET	INTERFACE	FLOOR, COLOR: GREY
WLKF-2	BLACK WALKOFF CARPET	INTERFACE	FLOOR, COLOR: ANTHRACITE

WALL BASE TYPES:			
TYPE	DESCRIPTION	MANUF.	PRODUCT
EB-1	4TH INTEGRAL EPOXY	GENERAL POLYMER	COLOR: CHARCOAL S3
RB-1	4TH STRAIGHT RUBBER BASE	JOHNSONITE	BLACK
RB-2	4TH COVE RUBBER BASE	ROPPE	SMOKE 174
RB-3	1/2" RUBBER QUARTER RND	JOHNSONITE	BLACK
RB-4	4TH COVE RUBBER BASE	JOHNSONITE	GRAPEST TB4
RB-5	4TH COVE RUBBER BASE	JOHNSONITE	BLACK
RB-6	6TH COVE RUBBER BASE	JOHNSONITE	BLACK
SV-1	4TH SHEET VINYL COVE	ALTRO	WALKWAY 20, COOL
SV-2	SHEET VINYL COVE	ALTRO	WALKWAY 20, BLIZZARD
VRB	4" VENTED RUBBER BASE	JOHNSONITE	BLACK
WD	3/4" X 4" SOLID WOOD	JOHNSONITE	MAPLE



1 LEVEL 2 - AREA 1 FINISH PLAN  
 1/8" = 1'-0"

2 SHOWER STALL COVE CAP DETAIL  
 3" = 1'-0"



FINISH PLAN SYMBOLS LEGEND:		
①	WALL FINISH TYPE	
②	WALL BASE TYPE	
③	FLOOR FINISH TYPE	

FINISH PLAN GENERAL NOTES:	
1.	PAIN ALL EXPOSED CONDUIT, DUCTWORK, PIPING, ETC. IN ALL FINISHED SPACES. REFER TO INTERIOR FINISH PLANS AND REFLECTED CEILING PLANS FOR CLARIFICATIONS.
2.	PAIN ALL EXPOSED METAL ON EXTERIOR INCLUDING, BUT NOT LIMITED TO, CONDUIT, PIPING, FLASHING, MECHANICAL FLUES AND DUCTS, AND METAL STAIR COMPONENTS P-5 AND DOORS.
3.	ALL FINISHES ARE MONUMENTAL PER ROOM UNLESS NOTED OTHERWISE.
4.	HOLLOW METAL DOORS TO BE PAINTED P-5 UNLESS NOTED OTHERWISE. ALL H.M. FRAMES TO BE PAINTED P-4 U.N.O.
5.	AT ALL LOCATIONS WHERE CASEWORK IS TO BE INSTALLED, THE SUBSEQUENT BASE TYPE SPECIFIED FOR EACH ROOM SHALL BE INSTALLED OVER CASEWORK TOE BLOCKS UNLESS NOTED OTHERWISE. REFER TO FLOORPLANS FOR CASEWORK LOCATIONS.
6.	PAIN ALL GYP. BD. CEILINGS P-1 UNLESS NOTED OTHERWISE.
7.	ALL CARPET TILE TO BE INSTALLED BRICK PATTERN UNLESS SPECIFIED OTHERWISE.
8.	PAIN ALL EXPOSED ROUND COLUMNS P-1 U.N.O.
9.	REFER TO REFLECTED CEILING PLANS FOR ALL CEILING PAINT AND FINISH DESIGNATIONS.
10.	REFER TO A11.14 FOR ALT. BID 1, 2, 3 FINISH DESIGNATIONS

FINISH PLAN REFERENCED NOTES:	
1.	ROOM 11'-0" TO 14'-0" A.F.F.
2.	PAIN FACE OF STAIR STRINGER P-5
3.	PAIN ELEVATOR DOOR FRAME P-4
4.	INSTALL RB-4 ON ALL GROUND FACE BLOCK WALLS
5.	PAIN ALL METAL HANDRAILS, STRINGERS, AND METAL STAIR COMPONENTS P-5
6.	PAIN VERTICAL HANDRAIL STANCHIONS P-9
7.	REFER TO ELEVATIONS FOR LOCATIONS/EXTENTS OF AWP-2
8.	REFER TO 304.51 FOR EXTENTS OF P-1
9.	PAIN H.M. DOORS AND FRAMES P-5
10.	PAIN H.M. DOOR AND FRAME P-3
11.	PAIN H.M. DOOR AND FRAME P-1
12.	INSTALL WALLCOVERING HORIZONTALLY
13.	PAIN DOOR AND FRAME P-4
14.	SEE ELEVATION FOR WALL TILE PATTERNS
15.	PROVIDE C-8 TOP CAP WHERE VINYL BASE MEETS WALL TILE - SEE 2/A11.21
16.	PROVIDE TRANS-1 @ FLOORING TRANSITIONS
17.	PROVIDE CEMENTITIOUS UNDERLAYMENT AS REQUIRED UNDER VCT FLOORING TO GRADUALLY RAMP UP AND BRING FACE OF VCT FLUSH W/ FACE OF CARPET - PROVIDE TRANS-2 AS TRANSITION BETWEEN FLOORING TYPES.
18.	PROVIDE TRANS-3 AT FLOORING TRANSITION
19.	PROVIDE TRANS-4 AT FLOORING TRANSITION
20.	PROVIDE TRANS-5 AT FLOORING TRANSITION
21.	PROVIDE CEMENTITIOUS UNDERLAYMENT AS REQUIRED UNDER VCT FLOORING TO GRADUALLY RAMP UP AND BRING FACE OF VCT FLUSH W/ FACE OF CARPET - PROVIDE TRANS-5 AS TRANSITION BETWEEN FLOORING TYPES.
22.	PROVIDE TRANS-6 AT FLOORING TRANSITION
23.	PAIN GRT ATTACHED TO COLUMN P-1 TO MATCH COLUMN
24.	PAIN HANDRAIL P-9
25.	PROVIDE METAL STRIP INSIDE/OUTSIDE CORNER ACCESSORIES AT ALL LOCATIONS WHERE FLOOR MEETS WALL. ALL INSIDE WALL TILE CORNERS AND ALL OUTSIDE TILE WALL CORNERS
26.	PAIN CMU HP-4 BELOW LOCKERS
27.	PROVIDE RB-5 TO INSIDE PERIMETER OF MILLWORK DESK
28.	PROVIDE PRESSURE APPLIED VINYL LETTERING WITHIN EXTENTS INDICATED @ 7'-8" TO BOTTOM OF LETTERING. FONT IMPACT FONT HEIGHT: 1/4"
29.	INSTALL FRP FROM 0'-4" A.F.F. TO 5'-0" A.F.F. AND EXTEND PANELS 3'-0" FROM CORNER OF WALL BEHIND SINK
30.	REFER TO ELEVATION/SECTION FOR FIELD PAINTED PAINT DESIGNATIONS ON AWP-1

FINISH PLAN REFERENCED NOTES:	
28.	PROVIDE PRESSURE APPLIED VINYL LETTERING WITHIN EXTENTS INDICATED @ 7'-8" TO BOTTOM OF LETTERING. FONT IMPACT FONT HEIGHT: 1/4"
29.	INSTALL FRP FROM 0'-4" A.F.F. TO 5'-0" A.F.F. AND EXTEND PANELS 3'-0" FROM CORNER OF WALL BEHIND SINK
30.	REFER TO ELEVATION/SECTION FOR FIELD PAINTED PAINT DESIGNATIONS ON AWP-1



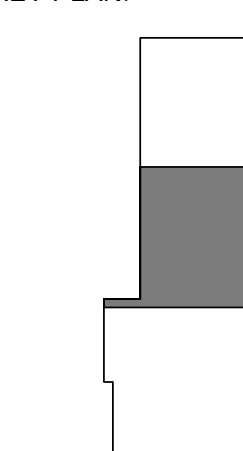
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 07/17/15

**ISSUED FOR BID  
 PACKAGE 2**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2 FINISH PLAN  
 AREA 2**

SHEET NUMBER:

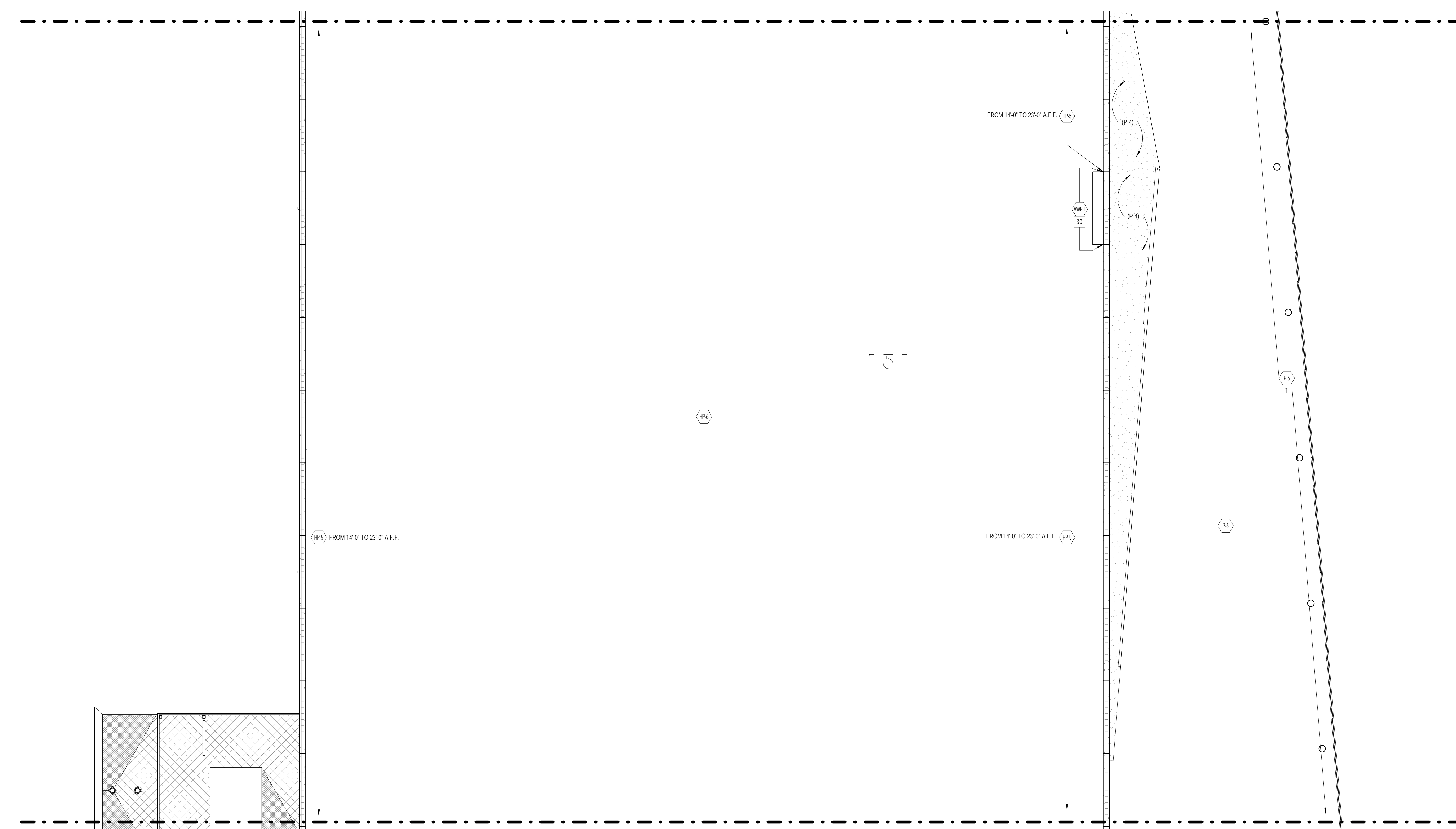
**A11.22**

7/20/2015 10:52:45 AM

WALL FINISH TYPES:			
TYPE	DESCRIPTION	MANUF.	PRODUCT
AWP-1	ACOUSTICAL WALL PANEL	TECTUM	1" FIELD PAINTED HP-4&10
AWP-2	ACOUSTICAL WALL PANEL	TECTUM	1" FACTORY PAINTED HP-5
FRP	FIBER REINFORCED PANEL	SEE SPEC	WHITE
EP-1	WHITE HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-1
EP-4	PURPLE HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-4
EP-7	BLACK HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-7
EP-8	MD GREY HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-8
EP-9	LT GREY HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-9
HP-4	PURPLE HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-4
HP-5	CHARCOAL HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-5
HP-6	PRECAST HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-6
HP-10	PRECAST HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH BENJAMIN MOORE 2068-20 GRAPE GUM
MIR	FULL HEIGHT MIRROR		
P-1	GENERAL WHITE PAINT	SHERWIN WILLIAMS	SNOWBOUND SW7004
P-2	CEILING WHITE PAINT		
P-3	YELLOW PAINT	BENJAMIN MOORE	FENNEL SEED 1101
P-4	PURPLE PAINT	BENJAMIN MOORE	SCANDAVIAN BLUE 2068-30
P-5	CHARCOAL PAINT	BENJAMIN MOORE	WATCHING HOUR 2120-30
P-6	PRECAST PAINT	BENJAMIN MOORE	SEA HAZE 2137-50
P-7	BLACK PAINT	BENJAMIN MOORE	BLACK INK 2127-20
P-8	MEDIUM GREY PAINT	BENJAMIN MOORE	STEEL WOOL 2121-20
P-9	LIGHT GREY PAINT	BENJAMIN MOORE	WINTER SOLSTICE 1605
WC-1	WRITABLE WALLCOVERING	EGAN	VERSA PRO
WC-2	CUSTOM WALLCOVERING	SEE SPEC	
WC-3	CUSTOM WALLCOVERING	SEE SPEC	
WC-4	CUSTOM WALLCOVERING	SEE SPEC	
WC-5	CUSTOM WALLCOVERING	SEE SPEC	
WD	WOOD VENEER	SEE SPEC	MAPLE VENEER
WT-1	BLUE GLASS MOSAIC TILE	CROSSVILLE	GLASSBLOX CO39 1X1, COLOR: AMETHYST
WT-2	LT. TAN CERAMIC WALL TILE	CROSSVILLE	COLOR BLOX, COLOR: SANDBOX, SIZE: 18X18
WT-3	DK. TAN CERAMIC WALL TILE	CROSSVILLE	COLOR BLOX, COLOR: ROASTED MARSHMALLOW, SIZE: 18X18

FLOOR FINISH TYPES:			
TYPE	DESCRIPTION	MANUF.	PRODUCT
CPT-1	CONCOURSE BLACK CPT	INTERFACE	SL920, COLOR: BLACK LINE
CPT-2	CONCOURSE MD GREY CPT	INTERFACE	SL910, COLOR: CHARCOAL
CPT-3	CONCOURSE LT GREY CPT	INTERFACE	CUBIC, COLOR: GEOMETRY
CPT-4	BLACK CARPET TILE	INTERFACE	MONOCHROME, COLOR: BLACK
CPT-5	OFFICE CARPET TILE	INTERFACE	TECTONICS, COLOR: BINARY
CPT-6	PRESENTATION CARPET	INTERFACE	ON BOARD, COLOR: EBONY
CPT-7	COACHE'S LOCKER RM CPT	FORBO	FLOTEX NATURALIS, COLOR: BLACKENED OAK 010037
CPT-8	PURPLE CARPET	INTERFACE	MONOCHROME, COLOR: CROCUS
DWT	DETECTABLE WARNING TILE	ROPPE	WARNING TILE, SAFETCORK Z100
EP-1	GREY EPOXY	SHERWIN WILLIAMS	3744 CR EPOXY, CHARCOAL S3
EP-2	PURPLE EPOXY	SHERWIN WILLIAMS	3744 CR EPOXY, CUSTOM
RT-1	BLACK RUBBER TILE	ROPPE	Z100 BLACK, FINISH: HAMMERED
RST-1	BLACK RUBBER STAIR TREAD	ROPPE	Z100 BLACK, FINISH: HAMMERED
SC	SEALED CONCRETE		
SR-1	BLACK SPORT RUBBER	RB RUBBER	CUSTOM BLACK MIX
SR-2	YELLOW SPORT RUBBER	RB RUBBER	CUSTOM YELLOW MIX
SR-3	PURPLE SPORT RUBBER	RB RUBBER	CUSTOM PURPLE MIX
SR-4	12MM RUBBER SPORT FLOOR	MONDO	SPORTFLEX M, GREY
SR-5	8MM RUBBER SPORT FLOOR	MONDO	ADVANCE, SAND
SV-1	BLACK SAFETY VINYL SHEET	ALTRO	WALKWAY 20, COOL
SV-2	GREY SAFETY VINYL SHEET	ALTRO	WALKWAY 20, BLIZZARD
T-1	PORCELAIN TILE	CROSSVILLE	COLOR BLOX, COLOR: I SEE THE MOON, SIZE: 18X18
VCT-1	MD GREY VINYL COMP TILE	ARMSTRONG	T3506 GLACIER GREY
VCT-2	BLACK VINYL COMPOSITE TILE	ARMSTRONG	T3500 BASALT BLACK
VCT-3	PURPLE VINYL COMP TILE	ARMSTRONG	T3525 VIOLET GRAPE
VCT-4	WHITE VINYL COMP TILE	ARMSTRONG	T3504 ICE WHITE
VCT-5	YELLOW VINYL COMP TILE	ARMSTRONG	R55807
WSF-1	WOOD SPORT FLOOR	CONNOR	GRADE 2 MAPLE
WSF-2	WOOD SPORT FLOOR	CONNOR	GRADE 3 MAPLE
WKF-1	GREY WALKOFF CARPET	INTERFACE	FLOOR, COLOR: GREY
WKF-2	BLACK WALKOFF CARPET	INTERFACE	FLOOR, COLOR: ANTHRACITE

WALL BASE TYPES:			
TYPE	DESCRIPTION	MANUF.	PRODUCT
EB-1	4" INTEGRAL EPOXY	GENERAL POLYMER	COLOR: CHARCOAL S3
RB-1	4" STRAIGHT RUBBER BASE	JOHNSONITE	BLACK
RB-2	4" COVE RUBBER BASE	ROPPE	SMOKE 174
RB-3	1/2" RUBBER QUARTER RND	JOHNSONITE	BLACK
RB-4	4" COVE RUBBER BASE	JOHNSONITE	GRAPEST TB4
RB-5	4" COVE RUBBER BASE	JOHNSONITE	BLACK
RB-6	6" COVE RUBBER BASE	JOHNSONITE	BLACK
SV-1	4" SHEET VINYL COVE	ALTRO	WALKWAY 20, COOL
SV-2	SHEET VINYL COVE	ALTRO	WALKWAY 20, BLIZZARD
VRB	4" VENTED RUBBER BASE	JOHNSONITE	BLACK
WD	3/4" X 4" SOLID WOOD	JOHNSONITE	MAPLE



**1 LEVEL 2 - AREA 2 FINISH PLAN**  
 1/8" = 1'-0"

FINISH PLAN SYMBOLS LEGEND:		FINISH PLAN GENERAL NOTES:	
	WALL FINISH TYPE		WALL BASE TYPE
	FLOOR FINISH TYPE		

- PAIN ALL EXPOSED CONDUIT, DUCTWORK, PIPING, ETC. IN ALL FINISHED SPACES. REFER TO INTERIOR FINISH PLANS AND REFLECTED CEILING PLANS FOR CLARIFICATIONS.
- PAIN ALL EXPOSED METAL ON EXTERIOR INCLUDING, BUT NOT LIMITED TO, CONDUIT, PIPING, FLASHING, MECHANICAL FLUES AND DUCTS, AND HOLLOW METAL FRAMES AND DOORS.
- ALL FINISHES ARE MONUMENTAL PER ROOM UNLESS NOTED OTHERWISE.
- HOLLOW METAL DOORS TO BE PAINTED P-5 UNLESS NOTED OTHERWISE. ALL H.M. FRAMES TO BE PAINTED P-4 U.N.O.
- AT ALL LOCATIONS WHERE CASEWORK IS TO BE INSTALLED, THE SUBSEQUENT BASE TYPE SPECIFIED FOR EACH ROOM SHALL BE INSTALLED OVER CASEWORK TOE BLOCKS UNLESS NOTED OTHERWISE. REFER TO FLOORPLANS FOR CASEWORK LOCATIONS.
- PAIN ALL GYP. BD. CEILINGS P-1 UNLESS NOTED OTHERWISE.
- ALL CARPET TILE TO BE INSTALLED BRICK PATTERN UNLESS SPECIFIED OTHERWISE.
- PAIN ALL EXPOSED ROUND COLUMNS P-1 U.N.O.
- REFER TO REFLECTED CEILING PLANS FOR ALL CEILING PAINT AND FINISH DESIGNATIONS.
- REFER TO A114 FOR ALT. BID 1, 2, 3 FINISH DESIGNATIONS

FINISH PLAN REFERENCED NOTES:			
1. FROM 11'-0" TO 14'-0" A.F.F.	2. PAINT FACE OF STAIR STRINGER P-5	3. PAINT ELEVATOR DOOR FRAME P-4	4. INSTALL RB-4 ON ALL GROUND FACE BLOCK WALLS
5. PAINT ALL METAL HANDRAILS, STANCHIONS, AND METAL STAIR COMPONENTS P-5	6. PAINT VERTICAL HANDRAIL STANCHIONS P-9	7. REFER TO ELEVATIONS FOR LOCATION/EXTENTS OF AWP-2	8. REFER TO A1151 FOR EXTENTS OF P-4
9. PAINT H.M. DOORS AND FRAMES P-5	10. PAINT H.M. DOOR AND FRAME P-3	11. PAINT H.M. DOOR AND FRAME P-1	12. INSTALL WALLCOVERING HORIZONTALLY
13. PAINT DOOR AND FRAME P-4	14. SEE ELEVATION FOR WALL TILE PATTERNS	15. PROVIDE C-8 TOP CAP WHERE VINYL BASE MEETS WALL TILE - SEE A111.21	16. PROVIDE TRANS-1 @ FLOORING TRANSITIONS
17. PROVIDE CEMENTITIOUS UNDERLAYMENT AS REQUIRED UNDER VCT FLOORING TO GRADUALLY RAMP UP AND BRING FACE OF VCT FLUSH W/ FACE OF CARPET - PROVIDE TRANS-2 AS TRANSITION BETWEEN FLOORING TYPES.	18. PROVIDE TRANS-3 AT FLOORING TRANSITION	19. PROVIDE TRANS-4 AT FLOORING TRANSITION	20. PROVIDE TRANS-5 AT FLOORING TRANSITION
21. PROVIDE CEMENTITIOUS UNDERLAYMENT AS REQUIRED UNDER VCT FLOORING TO GRADUALLY RAMP UP AND BRING FACE OF VCT FLUSH W/ FACE OF CARPET - PROVIDE TRANS-5 AS TRANSITION BETWEEN FLOORING TYPES.	22. PROVIDE TRANS-6 AT FLOORING TRANSITION	23. PAINT GRT ATTACHED TO COLUMN P-1 TO MATCH COLUMN	24. PAINT HANDRAIL P-9
25. PROVIDE METAL STRIP INSIDE/OUTSIDE CORNER ACCESSORIES AT ALL LOCATIONS WHERE FLOOR MEETS WALL. ALL INSIDE WALL TILE CORNERS AND ALL OUTSIDE TILE WALL CORNERS	26. PAINT CMU HP-4 BELOW LOCKERS	27. PROVIDE RB-5 TO INSIDE PERIMETER OF MILL WORK DESK	28. PROVIDE PRESSURE APPLIED VINYL LETTERING WITHIN EXTENTS INDICATED @ 7'-8" TO BOTTOM OF LETTERING. FONT IMPACT FONT HEIGHT: 1.5H
			29. INSTALL FRP FROM 0'-4" A.F.F. TO 5'-0" A.F.F. AND EXTEND PANELS 3'-0" FROM CORNER OF WALL BEHIND SINK
			30. REFER TO ELEVATION/SECTION FOR FIELD PAINTED PAINT DESIGNATIONS ON AWP-1





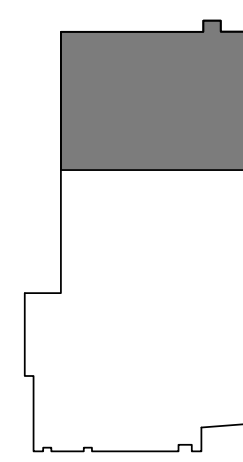
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 07/17/15

**ISSUED FOR BID  
 PACKAGE 2**

NO. DESCRIPTION: DATE:

SHEET TITLE:

**LEVEL 2 FINISH PLAN  
 AREA 3**

SHEET NUMBER:

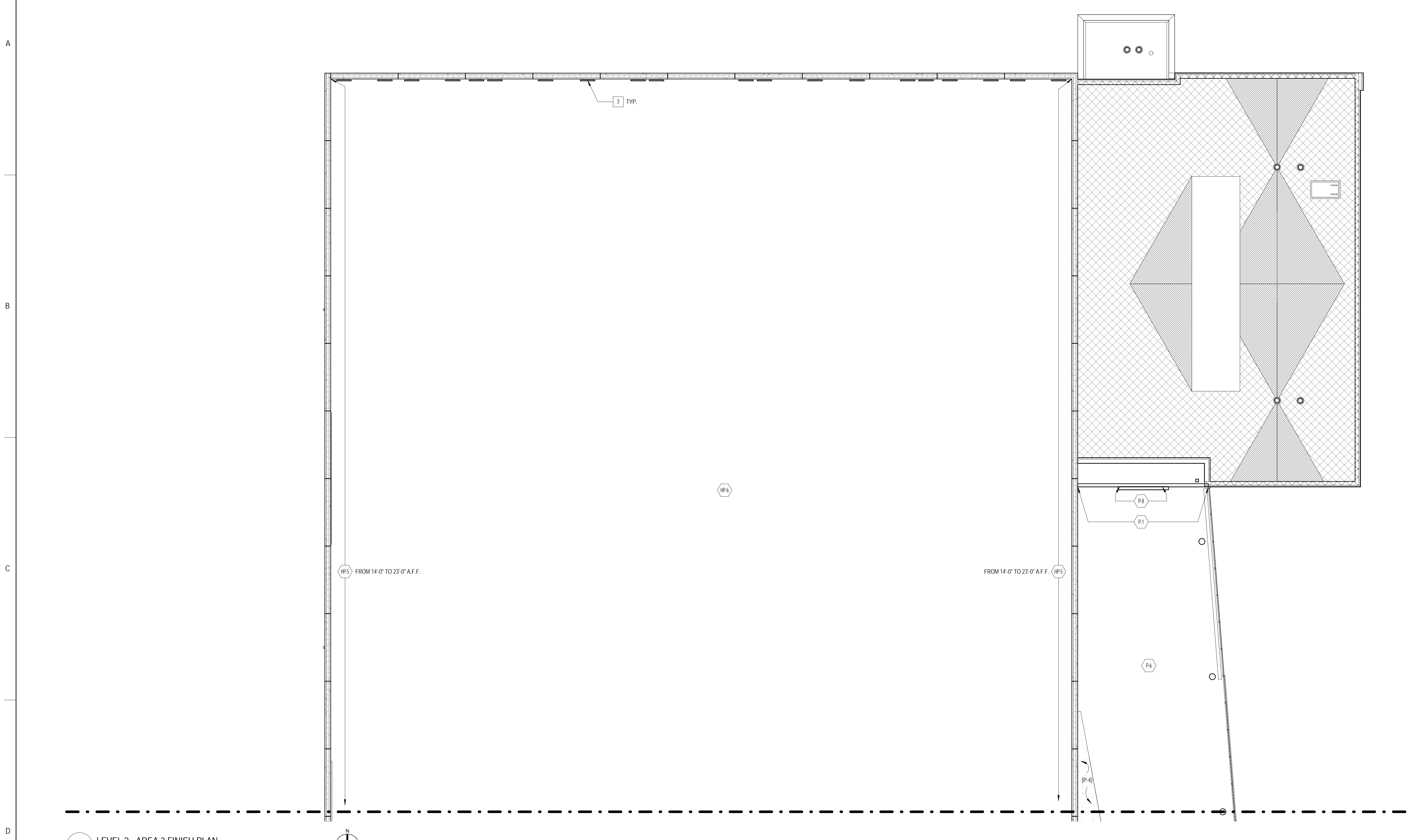
**A11.23**

7/20/2015 10:52:49 AM

WALL FINISH TYPES:			
TYPE	DESCRIPTION	MANUF.	PRODUCT
AWP-1	ACOUSTICAL WALL PANEL	TECTUM	1" FIELD PAINTED HP-4&10
AWP-2	ACOUSTICAL WALL PANEL	TECTUM	1" FACTORY PAINTED HP-5
FRP	FIBER REINFORCED PANEL	SEE SPEC	WHITE
EP-1	WHITE HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-1
EP-4	PURPLE HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-4
EP-7	BLACK HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-7
EP-8	MD GREY HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-8
EP-9	LT GREY HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-9
HP-4	PURPLE HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-4
HP-5	CHARCOAL HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-5
HP-6	PRECAST HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH P-6
HP-10	PRECAST HIGH PERFORMANCE PAINT		CUSTOM COLOR MATCH BENJAMIN MOORE 2068-20 GRAPE GUM
MIR	FULL HEIGHT MIRROR		
P-1	GENERAL WHITE PAINT	SHERWIN WILLIAMS	SNOWBOUND SW7004
P-2	CEILING WHITE PAINT		
P-3	YELLOW PAINT	BENJAMIN MOORE	FENNEL SEED 1101
P-4	PURPLE PAINT	BENJAMIN MOORE	SCANDAVIAN BLUE 2068-20
P-5	CHARCOAL PAINT	BENJAMIN MOORE	WATCHING HOUR 2127-20
P-6	PRECAST PAINT	BENJAMIN MOORE	SEA HAZE 2137-50
P-7	BLACK PAINT	BENJAMIN MOORE	BLACK INK 2127-20
P-8	MEDIUM GREY PAINT	BENJAMIN MOORE	STEEL WOOL 2121-20
P-9	LIGHT GREY PAINT	BENJAMIN MOORE	WINTER SOLSTICE 1605
WC-1	WRITABLE WALLCOVERING	EGAN	VERSA PRO
WC-2	CUSTOM WALLCOVERING	SEE SPEC	
WC-3	CUSTOM WALLCOVERING	SEE SPEC	
WC-4	CUSTOM WALLCOVERING	SEE SPEC	
WC-5	CUSTOM WALLCOVERING	SEE SPEC	
WD	WOOD VENEER	SEE SPEC	MAPLE VENEER
WT-1	BLUE GLASS MOSAIC TILE	CROSSVILLE	GLASSBLOX G039 1X1, COLOR: AMETHYST
WT-2	LT TAN CERAMIC WALL TILE	CROSSVILLE	COLOR BLOX, COLOR: SANDBOX, SIZE: 18X18
WT-3	DK TAN CERAMIC WALL TILE	CROSSVILLE	COLOR BLOX, COLOR: ROASTED MARSHMALLOW, SIZE: 18X18

FLOOR FINISH TYPES:			
TYPE	DESCRIPTION	MANUF.	PRODUCT
CPT-1	CONCOURSE BLACK CPT	INTERFACE	SL920, COLOR: BLACK LINE
CPT-2	CONCOURSE MD GREY CPT	INTERFACE	SL910, COLOR: CHARCOAL
CPT-3	CONCOURSE LT GREY CPT	INTERFACE	CUBIC, COLOR: GEOMETRY
CPT-4	BLACK CARPET TILE	INTERFACE	MONOCHROME, COLOR: BLACK
CPT-5	OFFICE CARPET TILE	INTERFACE	TECTONICS, COLOR: BINARY
CPT-6	PRESENTATION CARPET	INTERFACE	ON BOARD, COLOR: EBONY
CPT-7	COACHES LOCKER RM CPT	FORBO	FLOTEX NATURALS, COLOR: BLACKENED OAK 010037
CPT-8	PURPLE CARPET	INTERFACE	MONOCHROME, COLOR: CROCODUS
DWT	DETECTABLE WARNING TILE	ROPPE	WARNING TILE, SAFETCORK Z100
EP-1	GREY EPOXY	SHERWIN WILLIAMS	3744 CR EPOXY, CHARCOAL S3
EP-2	PURPLE EPOXY	SHERWIN WILLIAMS	3744 CR EPOXY, CUSTOM
RT-1	BLACK RUBBER TILE	ROPPE	Z100 BLACK, FINISH: HAMMERED
RST-1	BLACK RUBBER STAIR TREAD	ROPPE	Z100 BLACK, FINISH: HAMMERED
SC	SEALED CONCRETE		
SR-1	BLACK SPORT RUBBER	RB RUBBER	CUSTOM BLACK MIX
SR-2	YELLOW SPORT RUBBER	RB RUBBER	CUSTOM YELLOW MIX
SR-3	PURPLE SPORT RUBBER	RB RUBBER	CUSTOM PURPLE MIX
SR-4	12MM RUBBER SPORT FLOOR	MONDO	SPORTFLEX M, GREY
SR-5	8MM RUBBER SPORT FLOOR	MONDO	ADVANCE, SAND
SV-1	BLACK SAFETY VINYL SHEET	ALTRO	WALKWAY 20, COOL
SV-2	GREY SAFETY VINYL SHEET	ALTRO	WALKWAY 20, BLIZZARD
T-1	PORCELAIN TILE	CROSSVILLE	COLOR BLOX, COLOR: I SEE THE MOON, SIZE: 18X18
VCT-1	MD GREY VINYL COMP TILE	ARMSTRONG	T3506 GLACIER GREY
VCT-2	BLACK VINYL COMPOSITE TILE	ARMSTRONG	T3500 BASALT BLACK
VCT-3	PURPLE VINYL COMP TILE	ARMSTRONG	T3525 VIOLET GRAPE
VCT-4	WHITE VINYL COMP TILE	ARMSTRONG	T3504 ICE WHITE
VCT-5	YELLOW VINYL COMP TILE	ARMSTRONG	R55807
WSF-1	WOOD SPORT FLOOR	CONNOR	GRADE 2 MAPLE
WSF-2	WOOD SPORT FLOOR	CONNOR	GRADE 3 MAPLE
WLKF-1	GREY WALKOFF CARPET	INTERFACE	FLOOR, COLOR: GREY
WLKF-2	BLACK WALKOFF CARPET	INTERFACE	FLOOR, COLOR: ANTHRACITE

WALL BASE TYPES:			
TYPE	DESCRIPTION	MANUF.	PRODUCT
EP-1	4" INTEGRAL EPOXY	GENERAL POLYMERS	COLOR: CHARCOAL S3
RB-1	4" STRAIGHT RUBBER BASE	JOHNSONITE	BLACK
RB-2	4" COVE RUBBER BASE	ROPPE	SMOKE 174
RB-3	1/2" RUBBER QUARTER RND	JOHNSONITE	BLACK
RB-4	4" COVE RUBBER BASE	JOHNSONITE	GRAPEST 184
RB-5	4" COVE RUBBER BASE	JOHNSONITE	BLACK
RB-6	4" COVE RUBBER BASE	JOHNSONITE	BLACK
SVC-1	4" SHEET VINYL COVE	ALTRO	WALKWAY 20, COOL
SVC-2	SHEET VINYL COVE	ALTRO	WALKWAY 20, BLIZZARD
VRB	4" VENTED RUBBER BASE	JOHNSONITE	BLACK
WD	3/4" X 4" SOLID WOOD	JOHNSONITE	MAPLE



**1 LEVEL 2 - AREA 3 FINISH PLAN**  
 1/8" = 1'-0"

FINISH PLAN SYMBOLS LEGEND:		FINISH PLAN GENERAL NOTES:	
	WALL FINISH TYPE		WALL BASE TYPE
	FLOOR FINISH TYPE		

- PAINT ALL EXPOSED CONDUIT, DUCTWORK, PIPING, ETC. IN ALL FINISHED SPACES. REFER TO INTERIOR FINISH PLANS AND REFLECTED CEILING PLANS FOR CLARIFICATIONS.
- PAINT ALL EXPOSED METAL ON EXTERIOR INCLUDING, BUT NOT LIMITED TO, CONDUIT, PIPING, FLASHING, MECHANICAL FLUES AND DUCTS, AND HOLLOW METAL FRAMES AND DOORS.
- ALL FINISHES ARE MONUMENTAL PER ROOM UNLESS NOTED OTHERWISE.
- HOLLOW METAL DOORS TO BE PAINTED P-5 UNLESS NOTED OTHERWISE. ALL H.M. FRAMES TO BE PAINTED P-4 U.N.O.
- AT ALL LOCATIONS WHERE CASEWORK IS TO BE INSTALLED, THE SUBSEQUENT BASE TYPE SPECIFIED FOR EACH ROOM SHALL BE INSTALLED OVER CASEWORK TOE KICKS UNLESS NOTED OTHERWISE. REFER TO FLOORPLANS FOR CASEWORK LOCATIONS.
- PAINT ALL GYP. BD. CEILINGS P-1 UNLESS NOTED OTHERWISE.
- ALL CARPET TILE TO BE INSTALLED ROCK PATTERN UNLESS SPECIFIED OTHERWISE.
- PAINT ALL EXPOSED ROUND COLUMNS P-1 U.N.O.
- REFER TO REFLECTED CEILING PLANS FOR ALL CEILING PAINT AND FINISH DESIGNATIONS.
- REFER TO A1.14 FOR ALT. BID 1, 2, 3 FINISH DESIGNATIONS

FINISH PLAN REFERENCED NOTES:	
1. ROOM 11'-0" TO 14'-0" A.F.F.	28. PROVIDE PRESSURE APPLIED VINYL LETTERING WITHIN EXTENTS INDICATED @ 7'-6" TO BOTTOM OF LETTERING. FONT IMPACT FONT HEIGHT: 1/4"
2. PAINT FACE OF STAIR STRINGER P-5	29. INSTALL FRP FROM 0'-4" A.F.F. TO 5'-0" A.F.F. AND EXTEND PANELS 3'-0" FROM CORNER OF WALL BEHIND SINK.
3. PAINT ELEVATOR DOOR FRAME P-4	30. REFER TO ELEVATION SECTION FOR FIELD PAINTED PAINT DESIGNATIONS ON AWP-1.
4. INSTALL RB-4 ON ALL GROUND FACE BLOCK WALLS	
5. PAINT ALL METAL HANDRAILS, STRINGERS, AND METAL STAIR COMPONENTS P-5	
6. PAINT VERTICAL HANDRAIL STANCHIONS P-5	
7. REFER TO ELEVATIONS FOR LOCATION/EXTENTS OF AWP-2	
8. REFER TO A1.11 FOR EXTENTS OF P-1	
9. PAINT H.M. DOORS AND FRAMES P-5	
10. PAINT H.M. DOOR AND FRAME P-3	
11. PAINT H.M. DOOR AND FRAME P-1	
12. INSTALL WALLCOVERING HORIZONTALLY	
13. PAINT DOOR AND FRAME P-4	
14. SEE ELEVATION FOR WALL TILE PATTERNS	
15. PROVIDE C-8 TOP CAP WHERE VINYL BASE MEETS WALL TILE - SEE A11.21	
16. PROVIDE TRANS-1 @ FLOORING TRANSITIONS	
17. PROVIDE CEMENTITIOUS UNDERLAYMENT AS REQUIRED UNDER VCT FLOORING TO GRADUALLY RAMP UP AND BRING FACE OF VCT FLUSH W/ FACE OF CARPET - PROVIDE TRANS-2 AT FLOORING TRANSITION	
18. PROVIDE TRANS-3 AT FLOORING TRANSITION	
19. PROVIDE TRANS-4 AT FLOORING TRANSITION	
20. PROVIDE TRANS-5 AT FLOORING TRANSITION	
21. PROVIDE CEMENTITIOUS UNDERLAYMENT AS REQUIRED UNDER VCT FLOORING TO GRADUALLY RAMP UP AND BRING FACE OF VCT FLUSH W/ FACE OF CARPET - PROVIDE TRANS-5 AS TRANSITION BETWEEN FLOORING TYPES.	
22. PROVIDE TRANS-6 AT FLOORING TRANSITION	
23. PAINT GRT ATTACHED TO COLUMN P-1 TO MATCH COLUMN	
24. PAINT HANDRAIL P-9	
25. PROVIDE METAL STRIP INSIDE/OUTSIDE CORNER ACCESSORIES AT ALL LOCATIONS WHERE FLOOR MEETS WALL. ALL INSIDE WALL TILE CORNERS AND ALL OUTSIDE WALL CORNERS	
26. PAINT CHJ HP-4 BELOW LOCKERS	
27. PROVIDE RB-5 TO INSIDE PERIMETER OF MILLWORK DESK	

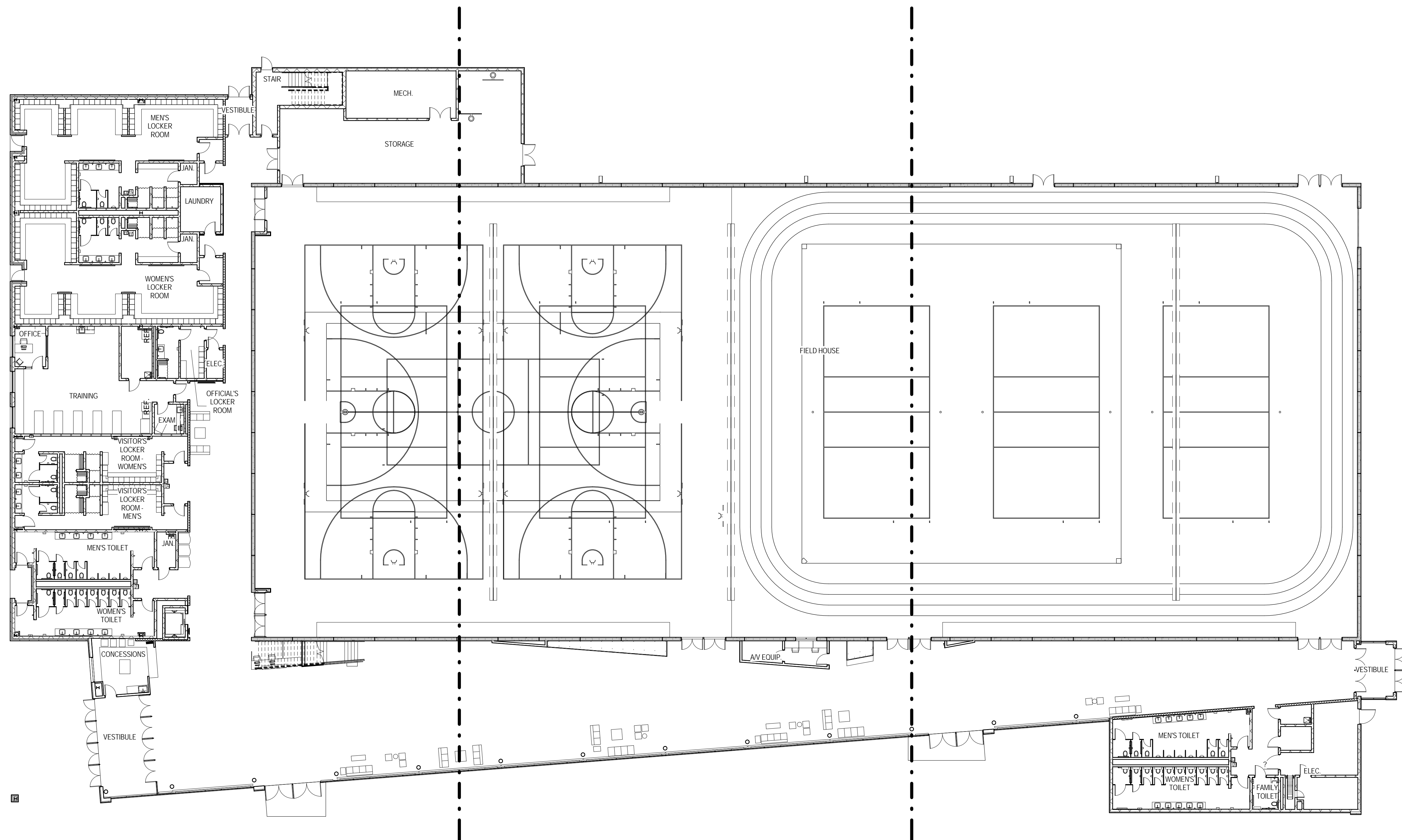


ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



1 LEVEL 1 - OVERALL FFE PLAN  
 1/16" = 1'-0"

FURNITURE PLANS FOR REFERENCE ONLY

KEY PLAN:

SHEET STATUS: 07/17/15  
 ISSUED FOR BID  
 PACKAGE 2

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
 LEVEL 1  
 OVERALL FURNITURE  
 PLAN

SHEET NUMBER:

**A12.10**



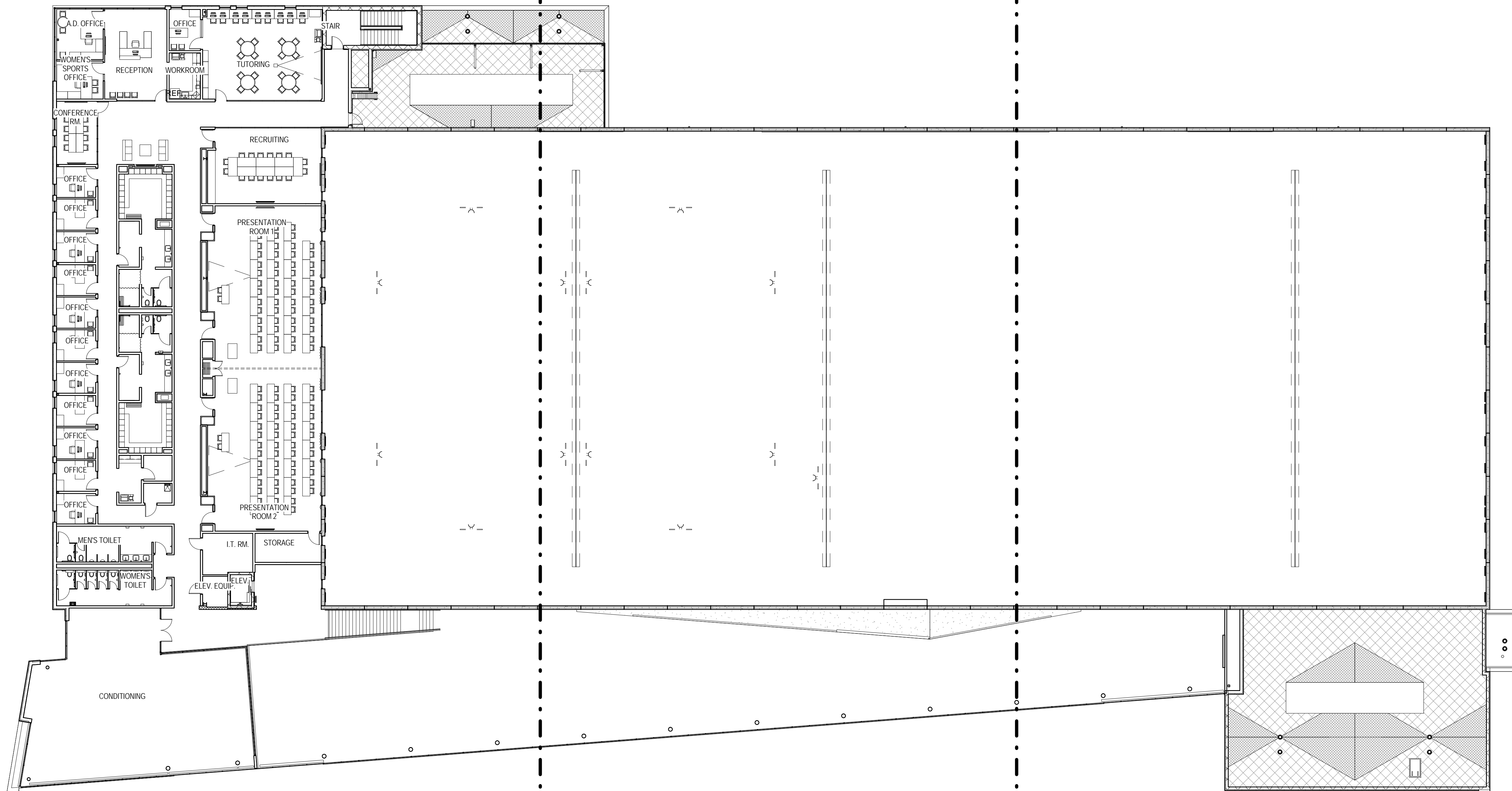


ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

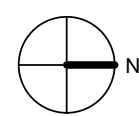
STRUCTURAL AND MEP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD., STE. 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 129 CAPISTA DR.  
 SHOREWOOD, IL 60404  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTI-PURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



1 LEVEL 2 - OVERALL FFE PLAN  
 1/16" = 1'-0"



FURNITURE PLANS FOR REFERENCE ONLY

KEY PLAN:

SHEET STATUS: 07/17/15  
 ISSUED FOR BID  
 PACKAGE 2

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
 LEVEL 2  
 OVERALL FURNITURE  
 PLAN

SHEET NUMBER:

A12.20

DESIGN CRITERIA

- 1. CODES: INTERNATIONAL BUILDING CODE (IBC) 2003 ASCE 7-02 AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-02) AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-02) AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS ALLOWABLE STRENGTH DESIGN (ASD/AISC 360-05) THIRTEENTH EDITION, 2005 2. DESIGN LOADS: OCCUPANCY CATEGORY III BACKFILL EQUIVALENT FLUID PRESSURE 70 PCF SEISMIC (IBC) SOIL CLASSIFICATION B 1.192 g SPECTRAL RESPONSE ACCELERATION, Sa 0.128 g SPECTRAL RESPONSE ACCELERATION, S1 0.067 g SHORT PERIOD DESIGN ACCELERATION, Sds 0.128 g LONG PERIOD DESIGN ACCELERATION, Sd1 0.045 g IMPORTANCE FACTOR 1.25 SEISMIC DESIGN CATEGORY A ANALYSIS PROCEDURE SIMPLIFIED ANALYSIS SEISMIC RESPONSE COEFFICIENT, Cs 0.01 DESIGN BASE SHEAR, V = Cs x W WIND - PARAMETERS BASIC WIND SPEED 90 MPH IMPORTANCE FACTOR 1.15 EXPOSURE CLASS C WIND - MAIN WIND FORCE RESISTING SYSTEM PRESSURES DESIGN PRESSURE 25 PSF ROOF UPLIFT PRESSURE 27 PSF (GROSS) (L.C. 1.0W/L) ROOF UPLIFT PRESSURE 5 PSF (NET) (L.C. 0.6DL + 1.0WL) WIND - ELEMENTS AND COMPONENTS PER APPLICABLE BUILDING CODE LIVE LOADS TYPICAL 80 PSF REDUCIBLE PRESENTATION AREA 100 PSF REDUCIBLE MECHANICAL STAIRS 100 PSF UNREDUCIBLE SNOW LOADS GROUND SNOW LOAD 25 PSF SNOW EXPOSURE FACTOR 1.0 THERMAL FACTOR 1.0 IMPORTANCE FACTOR 1.0 FLAT-ROOF SNOW LOAD 25 PSF DESIGN LOAD 25 PSF RAIN-ON-SNOW SURCHARGE 0 PSF DRIFTING LOAD REFER TO S5.02 3. NET ALLOWABLE SOIL BEARING PRESSURES SPREAD FOOTINGS 4000 PSF CONTINUOUS FOOTINGS 4000 PSF 4. MINIMUM FROST PROTECTION DEPTH FROM ADJACENT GRADE: EXTERIOR FOOTING ADJACENT TO HEATED AREA -3'-6" EXTERIOR FOOTINGS IN UNHEATED AREA -4'-0"

FOUNDATIONS/SLAB-ON-GRADE

- 1. CROSS REFERENCE ARCHITECTURAL AND STRUCTURAL DRAWINGS TO ASSURE PROPER DIMENSIONS AND PLACEMENT OF ALL ANCHOR BOLTS, INSERTS, NOTCHES, EDGES IN GRADE BEAMS, FOUNDATION WALLS AND PIERS. 2. FOUNDATION DESIGN BASED ON GEOTECHNICAL ENGINEERING REPORT DATED JANUARY 29, 2016 BY ECS MIDWEST LLC. REPORT IS ON FILE WITH THE ARCHITECT. 3. ALL EXCAVATIONS SHALL BE PROPERLY AND SAFELY BACKFILLED. DO NOT PLACE BACKFILL BEHIND RETAINING WALLS BEFORE CONCRETE HAS ATTAINED SPECIFIED COMPRESSIVE STRENGTH. CONTRACTOR SHALL BRACE OR PROTECT ALL WALLS BELOW GRADE FROM LATERAL LOADS UNTIL SUPPORTING FLOOR IS COMPLETELY IN PLACE AND HAS ATTAINED FULL STRENGTH. CONTRACTOR SHALL PROVIDE FOR DESIGN, PERMITS, AND INSTALLATION OF SHORING AND/OR SHEETING. BACKFILLING IS NOT PERMITTED FOR FOUNDATION WALLS UNTIL SUPPORTED SLAB ABOVE IS IN PLACE OR THE WALL IS ADEQUATELY BRACED TO RESIST LATERAL LOADS. 4. UNLESS NOTED OTHERWISE, ALL FOOTINGS SHALL BE CENTERED UNDER WALLS, PIERS OR COLUMNS. 5. PROVIDE SAW CUT CONTROL JOINTS IN ALL SLABS-ON-GRADE. LOCATE JOINTS ALONG COLUMN LINES WITH INTERMEDIATE JOINTS SPACED AT A MAXIMUM OF 36 TIMES THE SLAB THICKNESS, UNLESS NOTED OTHERWISE. CONTROL JOINTS SHALL BE CONTINUOUS, NOT STAGGERED OR OFFSET. SLAB PANELS SHALL HAVE A MAXIMUM LENGTH TO WIDTH RATIO OF 1.5 TO 1. PROVIDE ADDITIONAL CONTROL JOINTS AT ALL RE-ENTRANT CORNERS FORMED IN SLAB ON GRADE.

REINFORCING STEEL

- 1. FOR CAST-IN-PLACE CONCRETE THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT UNLESS NOTED OTHERWISE: CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3 INCHES CONCRETE EXPOSED TO EARTH OR WEATHER NO. 8 BARS OR LARGER 2 INCHES NO. 5 BARS OR SMALLER 1 1/2 INCHES SLABS, WALLS, JOISTS NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH NO. 14 AND NO. 18 BARS 1 1/2 INCHES NO. 11 BARS OR SMALLER 3/4 INCHES BEAMS AND COLUMNS NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH 1 1/2 INCHES 2. DIMENSIONS OF CONCRETE COVER FOR REINFORCEMENT INDICATED ON DRAWINGS ARE TO OUTERMOST REINFORCING BARS, FOR BEAMS OR COLUMNS WITH STIRRUPS OR TIES, CLEAR COVER INDICATED IS TO STIRRUPS OR TIES. 3. BAR SPLICES: SPLICE REINFORCING WHERE INDICATED ON THE DRAWINGS, ALL SPLICES SHALL BE CLASS 'B' AS DEFINED IN ACI 318. SPLICE LENGTH IS NOT GIVEN ON THE DRAWINGS, PROVIDE LAP LENGTHS (IN INCHES) AS FOLLOWS: 3000 PSI CONCRETE 4000 PSI CONCRETE BAR SIZE OTHER TOP OTHER TOP #3 22 28 19 25 #4 29 38 25 33 #5 36 47 31 41 #6 43 56 37 49 #7 63 81 54 71 #8 72 93 62 81 #9 81 105 70 91 #10 91 118 79 102 #11 101 131 87 114 LAP LENGTHS ASSUME CLEAR SPACING BETWEEN BARS OF 2 BAR DIAMETERS, AND A MINIMUM COVER OF 1 BAR DIAMETER. FOR DEVELOPMENT LENGTHS, DIVIDE BY 1.3. TOP BARS ARE DEFINED AS HORIZONTAL BARS WITH MORE THAN 1'-0" OF FRESH CONCRETE BELOW. 4. EPOXY FOR EPOXY DOWELING SHALL BE HILTI BE 800 SD, POWERS FE 1000+, OR SIMPSON SET XP. EMBEDMENT LENGTH SHALL BE AS INDICATED ON THE DRAWINGS. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

Table with 5 columns: BAR SIZE, OTHER, TOP, OTHER, TOP. Rows for 3000 PSI CONCRETE and 4000 PSI CONCRETE with values for bar sizes #3 through #11.

PRESTRESSED/PRECAST CONCRETE

- 1. FOUNDATION DESIGN IS BASED ON PRECAST CONCRETE SHEAR WALL PANELS TIED TOGETHER FOR UNIFORM LATERAL SHEAR DISTRIBUTION TO THE FOUNDATIONS. BASED ON ACTUAL WALL PANEL SYSTEM SUPPLIED, MODIFICATIONS TO THE FOUNDATION PLAN MAY BE REQUIRED. 2. ALL LATERAL LOAD RESISTANCE AND STABILITY OF THE BUILDING IN THE COMPLETED STRUCTURE IS PROVIDED BY PRECAST CONCRETE SHEAR WALLS. THESE PROVIDE ALL LATERAL LOAD RESISTANCE IN EACH ORTHOGONAL BUILDING DIRECTION. THE COMPOSITE STEEL DECK AND ROOF DECK SERVE AS HORIZONTAL DIAPHRAGMS THAT DISTRIBUTE THE LATERAL WIND AND SEISMIC FORCES HORIZONTALLY TO THE VERTICAL LATERAL SHEAR WALLS. THE CONCRETE SHEAR WALLS CARRY THE APPLIED LATERAL LOADS TO THE BUILDING FOUNDATION.

MASONRY (CONCRETE MASONRY UNITS)

- 1. MORTAR SHALL CONFORM TO AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) DESIGNATION CITED UNDER DESIGN CRITERIA, AND PROJECT SPECIFICATIONS. REFER TO DESIGN CRITERIA FOR MINIMUM COMPRESSIVE STRENGTH OF MORTAR. 2. REFER TO ARCHITECTURAL DRAWINGS FOR SURFACE AND HEIGHT OF UNITS, LAYING PATTERN AND JOINT TYPE. ALL BLOCK SHALL BE RUNNING BOND UNLESS NOTED OTHERWISE. 3. THE LOAD BEARING CONCRETE WALLS FOR THIS PROJECT WERE DESIGNED TO SPAN VERTICALLY AND BE BRACED BY THE ROOF AND FLOOR FRAMING ELEMENTS OF THE STRUCTURE. DURING CONSTRUCTION THE MASONRY CONTRACTOR SHALL PROVIDE LATERAL BRACING UNTIL THE ROOF STRUCTURE IS INSTALLED AS RECOMMENDED BY ACI 530 AND THE LATEST REVISION OF 'STANDARD PRACTICE FOR BRACING MASONRY WALLS UNDER CONSTRUCTION', PREPARED BY THE COUNCIL FOR MASONRY WALL BRACING. THIS BRACING IS TO PREVENT UNNECESSARY STRESS OR DAMAGE TO THE MASONRY WALLS FROM WIND LOADS, WHICH CAN OCCUR WHILE THE WALLS ARE NOT PROPERLY BRACED BY THE ROOF AND FLOOR STRUCTURE. 4. ATTACH STEEL JOIST TO SUPPORT PER THE FOLLOWING SCHEDULE, WHERE WELDS ARE INDICATED ON THE DETAILS. WELDS TO BE INSTALLED ON BOTH SIDES OF JOIST SEAT. 5. BAR SPLICES (IBC 2003): SPLICE REINFORCING WHERE INDICATED ON THE DRAWINGS. IF SPLICE LENGTH IS NOT GIVEN ON THE DRAWINGS PROVIDE LAP LENGTHS (IN INCHES) AS FOLLOWS. BARS LARGER THAN #9 ARE TO BE MECHANICALLY SPLICED.

Table with 3 columns: BAR SIZE, 8" CMU, 12" CMU. Rows for bar sizes #3 through #8.

STRUCTURAL STEEL

- 1. REFER TO DRAWINGS FOR DETAIL OF DECK OPENINGS. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL DRAWINGS, ETC. FOR EXACT SIZE, LOCATION, AND COUNT OF REQUIRED OPENINGS. 2. UNLESS NOTED OTHERWISE ALL WELDS SHALL BE CONTINUOUS 1/4" FILLET WELDS. 3. HIGH STRENGTH BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH AISC 'SPECIFICATIONS FOR STRUCTURAL JOISTS USING ASTM A325 OR A490 BOLTS.' SEE DESIGN CRITERIA FOR BOLT SIZE AND MATERIAL ASTM DESIGNATION. 4. BOLTS IN SLOTTED HOLES SHALL BE LOCATED IN THE CENTER OF THE HOLE AFTER FIELD ASSEMBLY IS COMPLETE, UNLESS DETAILED OTHERWISE.

POST INSTALLED STEEL ANCHORS

- 1. POST INSTALLED EXPANSION ANCHORS SERVING AS THE BASIS OF DESIGN ARE SHOWN ON THE DRAWINGS. ACCEPTABLE ALTERNATE ANCHORS MAY BE SUPPLIED PROVIDED THAT THE QUANTITY AND CONFIGURATION MATCHES THE CAPACITY OF THE DESIGN ANCHOR QUANTITY AND CONFIGURATION. ANY ACCEPTABLE ALTERNATES ARE TO BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. THE FOLLOWING TABLES SUMMARIZE THE EXPANSION ANCHORS USED ON THE PROJECT.

Table with 3 columns: ANCHORED INTO, BASIS OF DESIGN, ACCEPTABLE ALTERNATES AT CONTRACTOR'S OPTION. Rows include Hollow CMU, Grouted CMU, and Uncracked Concrete with various sleeve and bolt options.

Table with 3 columns: ANCHORED INTO, BASIS OF DESIGN, ACCEPTABLE ALTERNATES AT CONTRACTOR'S OPTION. Rows include Hollow CMU, Grouted CMU, and Concrete with various sleeve and bolt options.

STEEL DECK

- 1. DECK SIZE AND GAGE INDICATED IN THE DRAWINGS ARE BASED ON THE FOLLOWING: A. VULCRAFT 2008 CATALOG FOR GRAVITY DESIGN LOADS. B. STEEL DECK INSTITUTE (SDI) DIAPHRAGM DESIGN MANUAL 3RD EDITION FOR DIAPHRAGM LOADS. C. VULCRAFT 2008 CATALOG FOR UNSHORED CONSTRUCTION SPANS. 2. STEEL ROOF DECK GALVANIZING SHALL CONFORM TO ASTM A924 WITH A MINIMUM COATING OF G60. 3. COMPOSITE STEEL FLOOR DECK GALVANIZING SHALL CONFORM TO ASTM A924 WITH A MINIMUM COATING OF G60. 4. DO NOT EXCEED 25 LBS PER HANGER AND A MINIMUM SPACING OF 2'-0" ON CENTER WHEN ATTACHING TO STEEL ROOF DECKING (LIMITATION NOT REQUIRED WITH CONCRETE ON STEEL DECK). THIS 25 LBS LOAD AND 2'-0" SPACING INCLUDES ADJACENT MECHANICAL, ELECTRICAL, AND ARCHITECTURAL ITEMS HANGING FROM DECK. IF THE HANGER RESTRICTIONS CANNOT BE ACHIEVED, SUPPLEMENTAL FRAMING SUPPORTED OFF STEEL FRAMING WILL NEED TO BE ADDED. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING LOCATION AND WEIGHT OF ALL OF THE ELEMENTS BEING HUNG. 5. USE SUMP PANS AT ALL ROOF DRAINS. MINIMUM THICKNESS FOR SUMP PANS SHALL BE 14 GAGE.

LINTELS

- 1. PROVIDE LINTELS OVER ALL OPENINGS AND RECESSES IN MASONRY CONSTRUCTION. 2. THE STRUCTURAL DOCUMENTS REFLECT THE BEST ATTEMPT TO IDENTIFY ALL WALL PENETRATIONS IN THE NEW CONSTRUCTION. PENETRATIONS NOT IDENTIFIED ON THE DOCUMENTS ARE TO BE TREATED IN A MANNER SIMILAR TO THE IDENTIFIED LOCATIONS. LINTELS IN NON-BEARING MASONRY WALL OPENINGS CAN BE SIZED IN ACCORDANCE WITH THE NOTE BELOW. LINTELS THAT OCCUR IN BEARING WALLS ARE TO BE SIZED ACCORDING TO SIMILAR CONDITIONS AND SPANS IN THE NEW CONSTRUCTION AND LINTEL SCHEDULE. BOTTOM PLATE SIZE SHALL BE A MINIMUM OF 3/8" THICK. THE WIDTH OF THE PLATE SHALL BE 3/4" LESS THAN THE FIELD VERIFIED WALL THICKNESS. THE PLATE SHALL BE THE FULL LENGTH OF THE LINTEL MEMBER. LINTELS ARE NOT REQUIRED OVER OPENINGS THAT ARE 12" WIDE OR LESS AND AT LEAST 1 COURSE BELOW THE TOP OF THE WALL. 3. ALL LINTELS SHALL HAVE A MINIMUM OF #4 END BEARING. 4. ALL LINTELS IN EXTERIOR WALL CONSTRUCTION SHALL BE HOT-DIP GALVANIZED, UNO. 5. FOR ALL OPENINGS NOT OTHERWISE DETAILED OR SCHEDULED, MINIMUM LINTELS SHALL BE FOR EACH 4 INCH OF MASONRY WIDTH: 0 TO 2'-0" SPAN: 5/16" PLATE (3/4" LESS THAN WALL WIDTH) 2'-0" TO 4'-0" SPAN: L 3 1/2x3 1/2x1/4 4'-0" TO 6'-0" SPAN: L4x3 1/2x5/16 (LLV) 6'-0" TO 8'-0" SPAN: L5x3 1/2x5/16 (LLV) ALL ANGLES THAT ARE BACK TO BACK SHALL BE WELDED TOP AND BOTTOM 3" AT 12" MINIMUM. BEARING PLATES NOT REQUIRED FOR LINTELS UNLESS NOTED OTHERWISE.

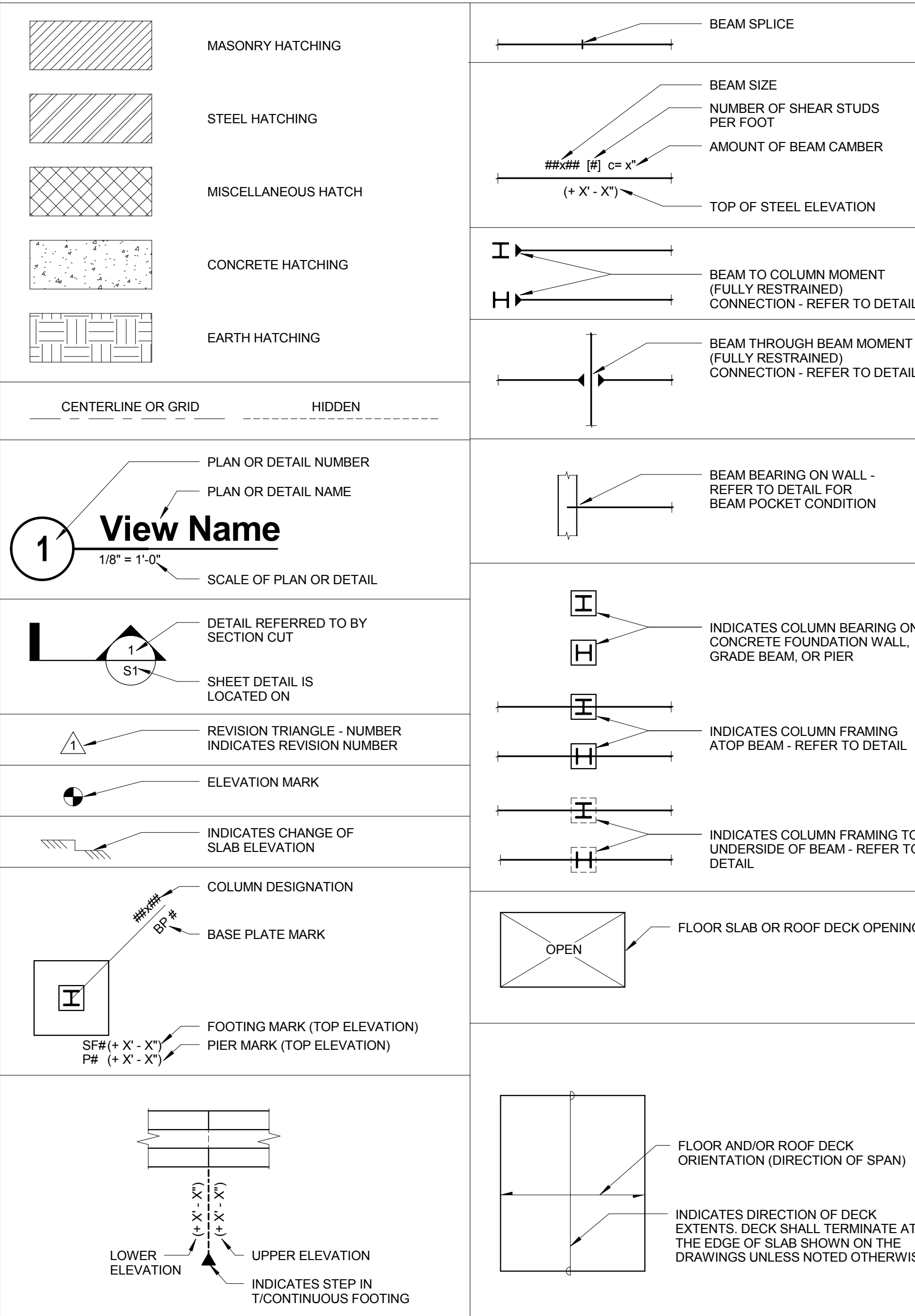
STEEL JOISTS

- 1. DESIGN, FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE STEEL JOIST INSTITUTE (SJI) SPECIFICATION BY A MEMBER OF THE SJI APPROVED FOR THE TYPE OF JOIST BEING USED. IN LIEU OF THE ABOVE REQUIREMENTS, THE FABRICATOR MAY PROVIDE A CURRENT INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS (ICBO) RESEARCH RECOMMENDATION APPROVING THE TYPE OF JOIST BEING USED. 2. PROVIDE BRIDGING PER SJI SPECIFICATIONS. DESIGN AND PROVIDE UPLIFT BRIDGING TO WITHSTAND A NET UPLIFT PRESSURE AS INDICATED WITHIN DESIGN CRITERIA. WHERE BRIDGING INTERFERES WITH MECHANICAL OR OTHER TRADES INSTALLATIONS, THE FABRICATOR SHALL REMOVE THE BRIDGING AFTER THE METAL DECK IS IN PLACE AND REPLACE AS DIRECTED BY THE STRUCTURAL ENGINEER THROUGH THE ARCHITECT. 3. ERECTOR SHALL FOLLOW MANUFACTURER'S AND STEEL JOIST INSTITUTES GUIDELINES FOR ERECTIONS STABILITY AND HANDLING. 4. ATTACH STEEL JOIST TO SUPPORT PER THE FOLLOWING SCHEDULE, WHERE WELDS ARE INDICATED ON THE DETAILS. WELDS TO BE INSTALLED ON BOTH SIDES OF JOIST SEAT.

Table with 6 columns: JOIST SERIES, WELD SIZE, WELD LENGTH, BOLT DIAMETER, BOLT MATERIAL, STEEL MASONRY. Rows include K, LH-18-25, and design joist seat for 1650 lb rollover load.

- 5. DESIGN JOIST SEAT FOR 1650 LB ROLLOVER LOAD, UNLESS NOTED OTHERWISE. 6. PROVIDE 2 1/2" JOIST SEATS ON K JOISTS. 7. PROVIDE 5" JOIST SEATS ON LH JOISTS.

STRUCTURAL DRAWING SYMBOLS



MASONRY WALL SCHEDULE

Table with 3 columns: MARK, THICKNESS, VERTICAL REINFORCING. Rows include MW1 (0" x 8" @ 48" C), MW2 (0" x 8" @ 8" EACH FACE), and MW3 (1" x 0" @ 48" C).

LINTEL SCHEDULE

Table with 4 columns: MARK, DEPTH, REINFORCING, MEMBER BEARING, EACH END. Rows include L1 (8" (2) #4 8"), L2 (16" (2) #4 8"), and L3 (24" (2) #4 8").

- NOTE: 1. REFER TO 6154.00 FOR TYP MASONRY LINTEL DETAIL. 2. PROVIDE REINFORCING AT OPENINGS PER 15154.00.

STRUCTURAL ABBREVIATIONS LIST

Structural abbreviations list with columns for symbol, number, description, and unit/meaning. Includes symbols like #, @, A, w, AHU, APPROX, ARCH, B, etc.



ARCHITECT OF RECORD DEMONICA KEMPER ARCHITECTS 125 N. HALSTED STREET, SUITE 301 CHICAGO, IL 60661 P: 312.496.0000

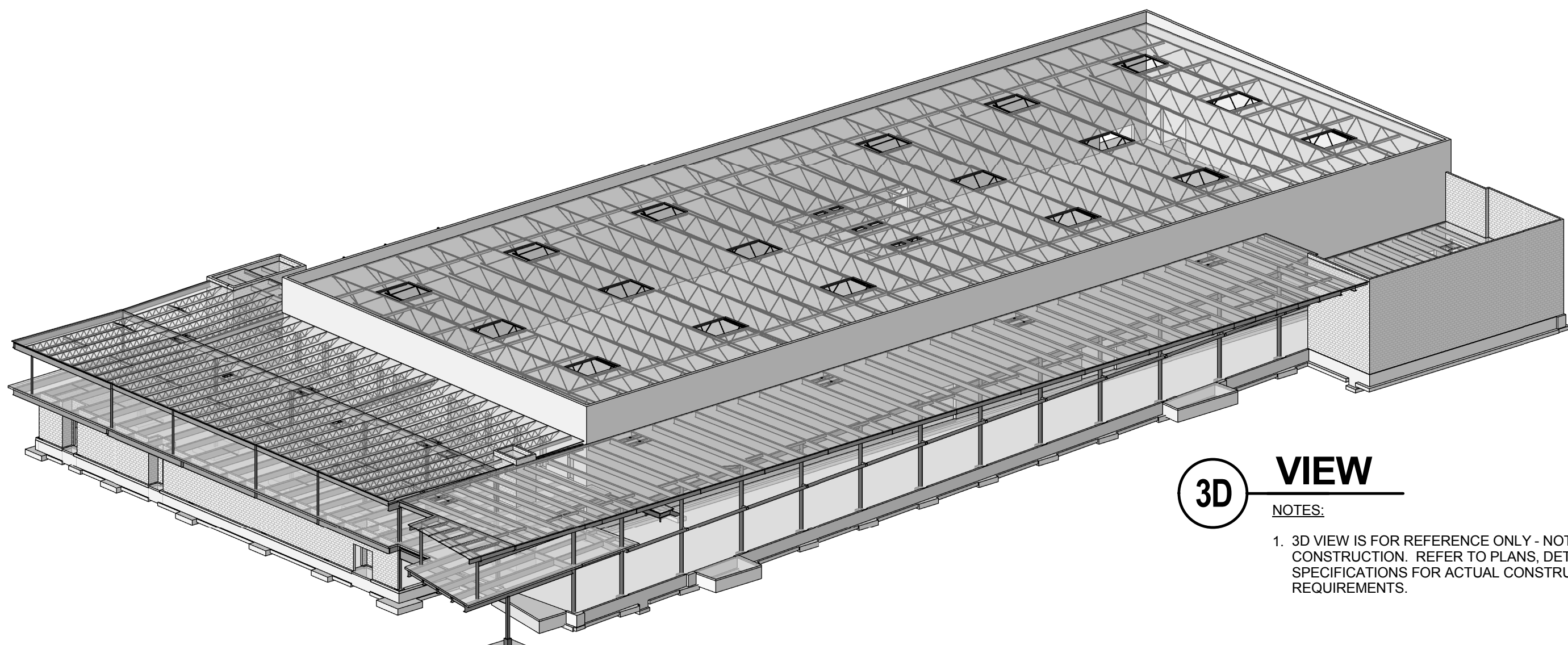
STRUCTURAL AND MEP/PF ENGINEERING KJWW ENGINEERING CONSULTANTS 1100 WARRENVILLE RD. SUITE 400W NAPERVILLE, IL 60563 P: 630.527.2320

CIVIL ENGINEERING TRUITTIGER, TONELLI & ASSOC., INC. 2174 ONEDA ST. JOLIET, IL 60435 P: 815.744.6600

JOLIET JUNIOR COLLEGE MULTIPURPOSE FACILITY 1215 HOUBOLT ROAD, JOLIET, IL 60431 DKA PROJECT NO: 14-004

GENERAL NOTES

- 1. NEITHER THE PROFESSIONAL ACTIVITIES OF THE ENGINEER, NOR THE PRESENCE OF THE ENGINEER OR HIS OR HER EMPLOYEES AND SUBCONTRACTORS AT THE CONSTRUCTION SITE, SHALL RELIEVE THE CONTRACTOR AND ANY OTHER ENTITY OF THEIR OBLIGATIONS, DUTIES, AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES, OR PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING, OR COORDINATING ALL PORTIONS OF THE WORK OF CONSTRUCTION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES. THE ENGINEER AND HIS OR HER PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR OTHER ENTITY OR THEIR EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY HEALTH OR SAFETY PRECAUTIONS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE JOBSITE SAFETY. THE ENGINEER AND THE ENGINEER'S CONSULTANTS SHALL BE MADE ADDITIONAL INSUREDS UNDER THE CONTRACTOR'S GENERAL LIABILITY INSURANCE POLICY. 2. STRUCTURAL DRAWINGS INCLUDE DESIGN REQUIREMENTS AND DIMENSIONS FOR STRUCTURAL INTEGRITY BUT DO NOT SHOW ALL DETAIL DIMENSIONS TO FIT INTRICATE ARCHITECTURAL AND MECHANICAL DETAILS. CONTRACTOR SHALL SO CONSTRUCT THE WORK SO THAT IT WILL CONFORM TO THE CLEARANCES REQUIRED BY ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DESIGN. 3. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE, UNLESS NOTED OTHERWISE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. 4. DETAILS AND NOTES ON THE STRUCTURAL DRAWINGS ARE INTENDED TO BE TYPICAL FOR SIMILAR SITUATIONS ELSEWHERE. 5. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR MECHANICAL, ELECTRICAL, AND PLUMBING WITH APPROPRIATE TRADE CONTRACTORS. OPENING SIZES AND LOCATIONS SHOWN FOR DUCTS, PIPES, INSERTS AND OTHER PENETRATIONS WHEN SHOWN ARE FOR GENERAL INFORMATION ONLY AND SHALL BE VERIFIED PRIOR TO FORMING. 6. DIMENSIONS, NOTES, AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. 7. WHERE NEW CONSTRUCTION INTERFACES WITH EXISTING CONDITIONS, FIELD VERIFY EXISTING DIMENSIONS, MEMBER SIZES AND ELEVATIONS SHOWN ON THE DRAWINGS PRIOR TO STARTING CONSTRUCTION. ALL DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT. 8. REFER TO ARCHITECTURAL DRAWINGS FOR THE FOLLOWING: A. SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS, UNLESS NOTED OTHERWISE. B. SIZE AND LOCATION OF ALL INTERIOR AND EXTERIOR MASONRY WALLS. C. SIZE AND LOCATION OF ALL CONCRETE CURBS, FLOOR DRAINS, SLOPES, DEPRESSION AREAS, CHANGES IN LEVEL, CHAMFERS, GROOVES, INSERTS, ETC. D. SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS UNLESS NOTED OTHERWISE. E. FLOOR, WALL AND ROOF FINISHES. F. STAIR FRAMING AND DETAILS. ALSO REFER TO STAIR MANUFACTURER'S APPROVED SHOP DRAWINGS. G. DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS. H. FIRE PROTECTION REQUIREMENTS. 9. REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR THE FOLLOWING: A. PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL AND SLAB OPENINGS, ETC., EXCEPT AS SHOWN. B. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS. C. CONCRETE INSERTS FOR ELECTRICAL, MECHANICAL OR PLUMBING FIXTURES. D. SIZE AND LOCATION OF MACHINE OR EQUIPMENT BASES OR CURBS AND ANCHOR BOLTS FOR MOTOR MOUNTS. 10. SHOP DRAWINGS PREPARED BY SUPPLIERS, SUBCONTRACTORS, AND OTHERS SHALL BE REVIEWED AND COORDINATED PRIOR TO SUBMITTING TO THE ARCHITECT. EACH SHOP DRAWING SUBMITTED SHALL BE STAMPED, INITIALED AND DATED INDICATING REVIEW BY THE CONSTRUCTION MANAGER/GENERAL CONTRACTOR. 11. SHOP DRAWINGS PREPARED BY THE SUBCONTRACTORS, SUPPLIERS, AND OTHERS SHALL BE REVIEWED BY THE ARCHITECT ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT ONLY. REVIEW BY THE ARCHITECT SHALL NOT BEGAIN WITH THE ARCHITECT'S REVIEW AND APPROVAL. NOTATIONS MADE BY THE ARCHITECT ON THE SHOP DRAWINGS DO NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. 12. OPTIONS ARE FOR THE CONTRACTOR'S CONVENIENCE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CHANGES RESULTING FROM CHOOSING AN OPTION AND SHALL COORDINATE ALL DETAILS. THE COST OF ADDITIONAL DESIGN WORK NECESSITATED BY SELECTION OF AN OPTION SHALL BE BORNE BY THE CONTRACTOR. 13. THE COST OF ADDITIONAL DESIGN WORK DUE TO ERRORS OR OMISSIONS BY THE CONTRACTOR IN CONSTRUCTION SHALL BE BORNE BY THE CONTRACTOR. 14. ANY ENGINEERING DESIGNS AND SPECIFICATIONS SUBMITTED FOR REVIEW OR RECORD SHALL BEAR THE STAMP AND SIGNATURE OF A PROFESSIONAL STRUCTURAL ENGINEER REGISTERED IN THE STATE OF ILLINOIS. 15. ELEVATIONS ARE BASED ON THE FIRST FLOOR ELEVATION OF (+0'-0") WHICH IS EQUAL TO CIVIL ELEVATION OF 167.50'



3D VIEW NOTES: 1. 3D VIEW IS FOR REFERENCE ONLY. NOT FOR CONSTRUCTION. REFER TO PLANS, DETAILS AND SPECIFICATIONS FOR ACTUAL CONSTRUCTION REQUIREMENTS.

KJWW ENGINEERING CONSULTANTS logo and address: 1100 WARRENVILLE ROAD, SUITE 400W NAPERVILLE, IL 60563. Phone: 630.527.2320. FAX: 630.527.2321. www.kjww.com. PROJECT # 14044.00

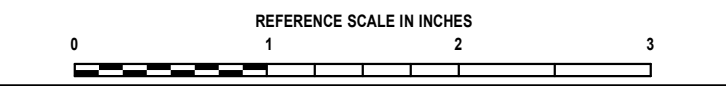
SHEET STATUS: 7-17-15

BID PACKAGE 2 ISSUED FOR BID

Table with 3 columns: NO., DESCRIPTION, DATE.

SHEET TITLE: GENERAL NOTES

SHEET NUMBER: S0.00







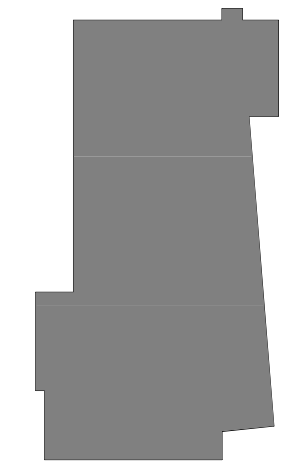
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7-17-15

**BID PACKAGE 2  
 ISSUED FOR BID**

NO. DESCRIPTION: DATE:

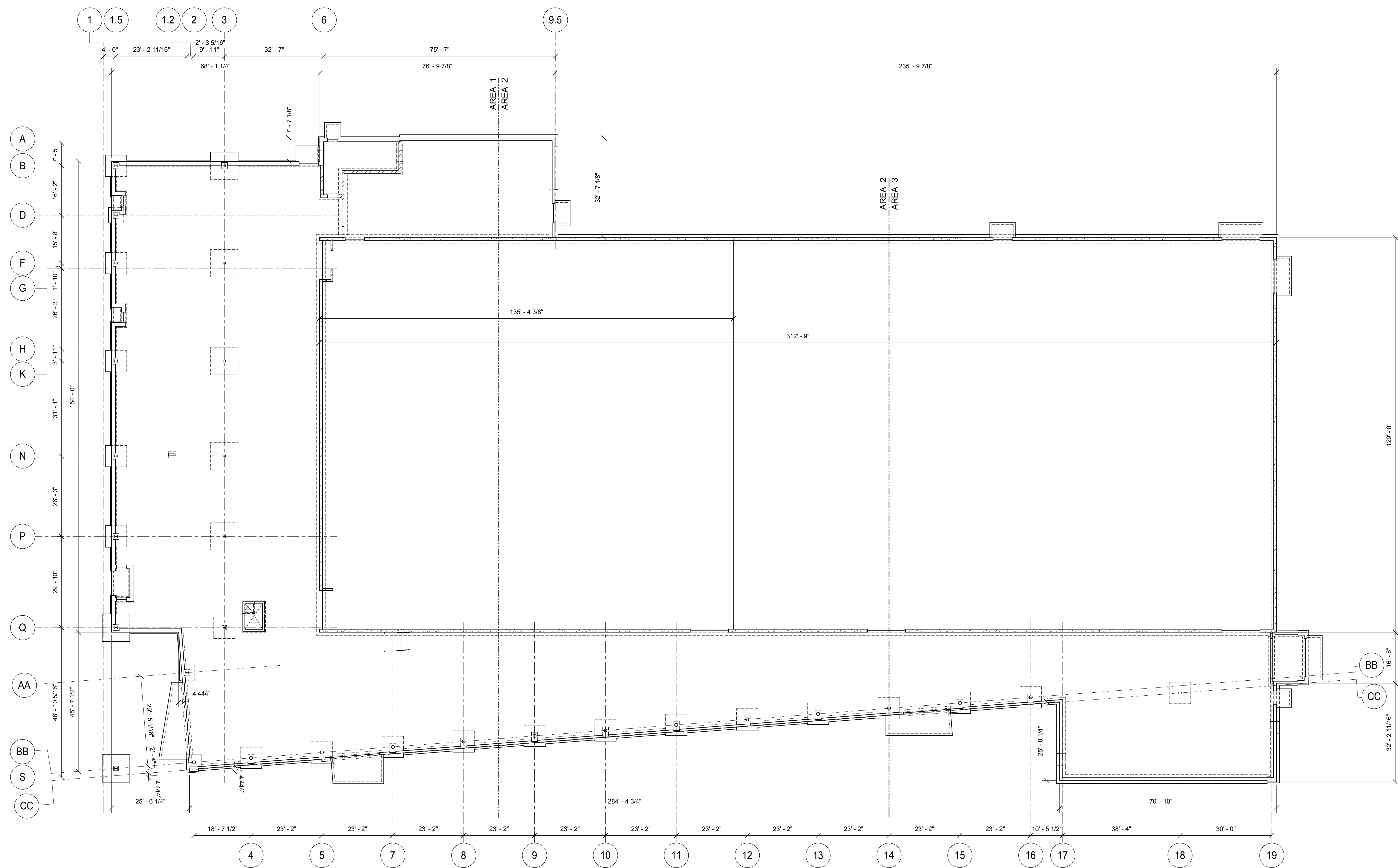
NO.	DESCRIPTION:	DATE:

SHEET TITLE:

**FOUNDATION PLAN -  
 OVERALL  
 DIMENSIONAL PLAN**

SHEET NUMBER:

**S1.10**



**FOUNDATION PLAN -  
 OVERALL DIMENSIONAL PLAN**  
 1  
 1/16" = 1'-0"  
 NOTES:  
 1. REFER TO S1.11 TO S1.13 FOR FOUNDATION INFORMATION. THIS PLAN IS FOR OVERALL DIMENSIONS ONLY.

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14044.00  
 DESIGNER: [Signature]  
 CHECKER: [Signature]  
 DATE: 7-17-15

REGISTERED PROFESSIONAL ENGINEER  
 STATE OF ILLINOIS  
 LICENSE NO. 069073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



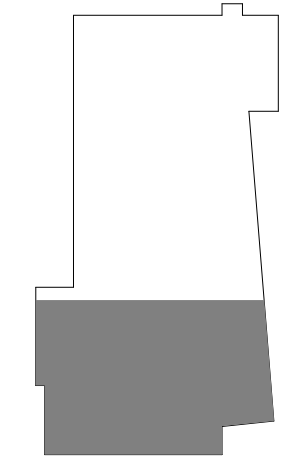
ARCHITECT OF RECORD  
**DEMIONA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7-17-15

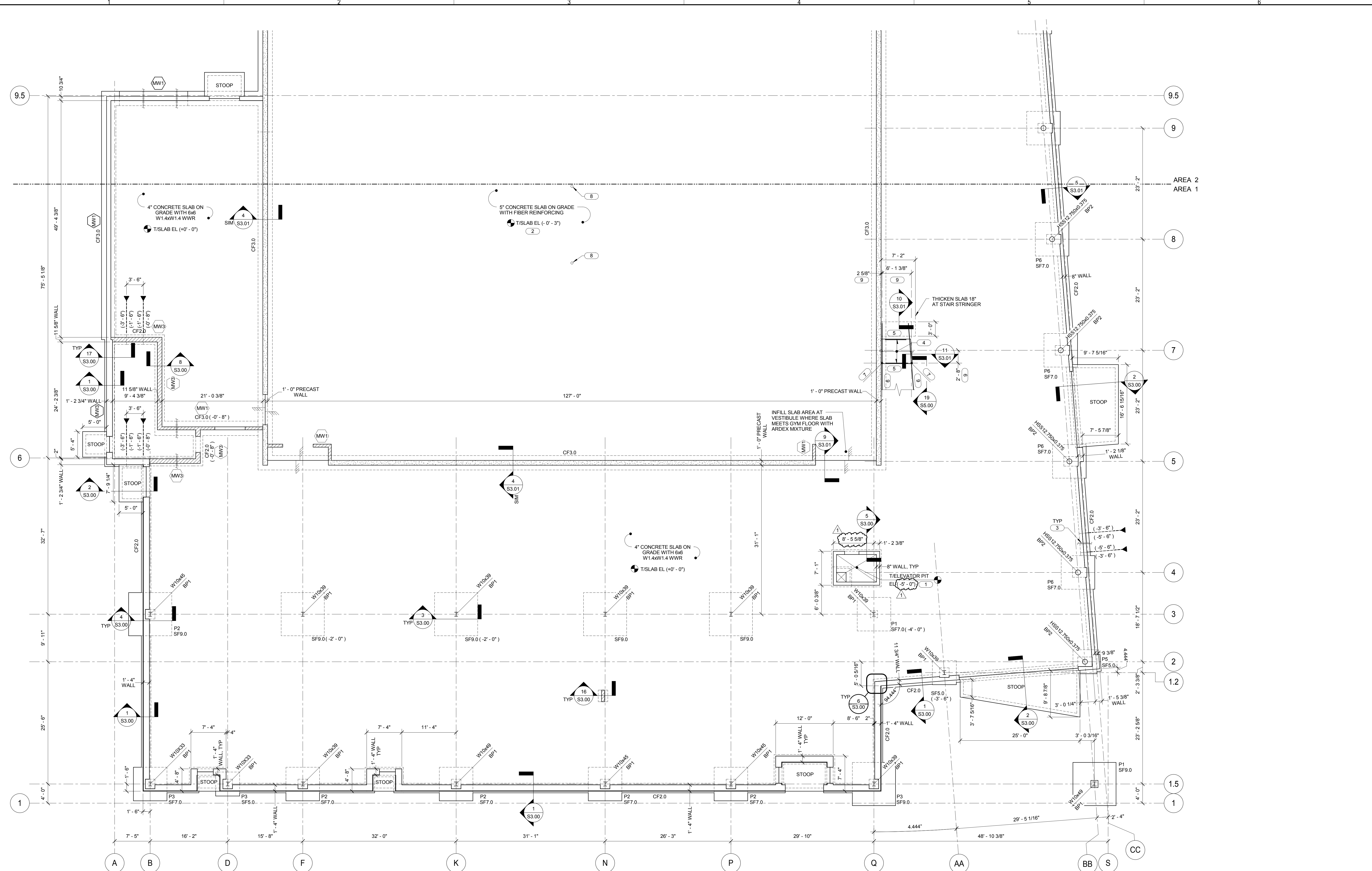
**BID PACKAGE 2  
 ISSUED FOR BID**

NO. DESCRIPTION: DATE:

SHEET TITLE:  
**FOUNDATION PLAN -  
 AREA 1**

SHEET NUMBER:

**S1.11**



**FOUNDATION PLAN - AREA 1**



1/8" = 1'-0"

NOTES:

- TOP OF EXTERIOR FOOTING ELEVATION (-3'-6") UNO.
- TOP OF INTERIOR FOOTING ELEVATION (-1'-0") UNO.
- TOP OF FOUNDATION WALL ELEVATION (+0'-0") UNO. TOP OF FOUNDATION WALL ELEVATION AT PRECAST WALL PANEL (1'-0") UNO.
- TOP OF PIER ELEVATION (-0'-8") UNO.
- BPH INDICATES BASE PLATE. REFER TO S5.00 FOR ANCHOR ROD AND BASE PLATE DETAILS.
- PH INDICATES CONCRETE PIER. REFER TO S3.01 FOR DETAILS.
- SF# AND CF# INDICATE SPREAD AND CONTINUOUS FOOTINGS. REFER TO S1.11 FOR SCHEDULES.
- REFER TO 13, 14 AND 15/S3.00 FOR TYPICAL SLAB ON GRADE CONSTRUCTION DETAILS.
- PROVIDE CORNER BARS FOR FOOTINGS AND WALLS PER 6/S3.00 AND 10/S3.00 OR PROVIDE 2'-8" x 2'-6" CORNER BARS FOR FOOTING AND WALL INTERSECTIONS. BAR SIZE AND QUANTITY TO MATCH LONGITUDINAL AND HORIZONTAL BARS.
- PROVIDE THICKENED SLAB AT ALL NON-STRUCTURAL MASONRY WALLS PER 16/S3.00. COORDINATE LOCATIONS WITH ARCHITECTURAL DRAWINGS.
- SLEEVE UTILITIES THROUGH FOUNDATION PER 7/S3.00. COORDINATE SIZE AND LOCATION WITH MECHANICAL AND PLUMBING CONTRACTORS.
- INDICATES FOOTING STEP. REFER TO 17/S3.00.
- AT INTERIOR MASONRY WALLS, REINFORCE WITH #4 @ 72" OC. CONTROL JOINT MAX SPACING = 20'-0" AND NO CONTROL JOINT WITHIN FIRST 2'-0" OF EDGE OF OPENING.
- AT OPENINGS IN INTERIOR MASONRY WALLS, PROVIDE CMU LINTELS AS FOLLOWS: OPENINGS OF 6'-0" OR LESS: 8" HIGH LINTEL WITH (1) #4 BAR, 6" JAMB EACH SIDE WITH (1) #4 BAR. OPENINGS GREATER THAN 6'-0" AND LESS THAN EQUAL TO 12'-0": 16" HIGH LINTEL WITH (2) #4 BARS, 16" JAMB EACH SIDE WITH (2) #4 BARS. OPENINGS GREATER THAN 12'-0" AND LESS THAN EQUAL TO 18'-0": 24" HIGH LINTEL WITH (2) #4 BARS, 16" JAMB EACH SIDE WITH (2) #4 BARS.
- REFER TO S0.00 FOR TYPICAL MASONRY WALL INFO AND REINFORCING.
- REFER TO S1.10 FOR OVERALL FOUNDATION DIMENSIONAL PLAN.
- BUILDING SITE CONSISTS OF UNDOCUMENTED EXISTING FILL MATERIAL. CONTRACTOR IS TO REMOVE THE FILL AND REPLACE WITH ENGINEERED FILL BELOW THE SLAB ON GRADE AND THE FOOTINGS. EXISTING FILL MATERIAL VARIES ON SITE. AT A MINIMUM, IF SITE IS NOT STRIPPED OF UNDOCUMENTED FILL MATERIAL BELOW THE SLAB ON GRADE, THE FOOTINGS ARE TO STILL BEAR ON COMPETENT NATURAL SOILS OR NEW ENGINEERED FILL OVERLYING COMPETENT NATURAL SOILS.

KEYNOTES:

- COORDINATE PIT DEPTH WITH ELEVATOR MANUFACTURER.
- CONFIRM DEPRESSION IN SLAB WITH ARCH AND GC WITH SELECTED FLOOR SUPPLIER.
- SLEEVE UTILITIES THROUGH FOUNDATION - REFER TO NOTE 10.
- 2" CONCRETE ON STAIR PAN. REFER TO ARCHITECTURAL.
- C8x11.5 AT LANDING.
- C15x33.9 STAIR STRINGER.
- HSS3x3x1/4 POST.
- FLOOR SLEEVE. COORDINATE WITH EQUIPMENT MANUFACTURER.
- COORDINATE WITH ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND EXTENT OF STAIR LOCATION.

SPREAD FOOTING SCHEDULE					
MARK	LENGTH	WIDTH	THICKNESS	REINFORCING	
				LONG DIRECTION	SHORT DIRECTION
SF5.0	9'-0"	9'-0"	1'-2"	(6) #5	(6) #5
SF7.0	7'-0"	7'-0"	1'-6"	(3) #5	(3) #5
SF9.0	9'-0"	9'-0"	1'-10"	(10) #7	(10) #7

CONTINUOUS FOOTING SCHEDULE				
MARK	WIDTH	THICKNESS	REINFORCING	
			LONG DIRECTION	SHORT DIRECTION
CF2.0	2'-0"	1'-0"	(3) #4	#4 @ 16" OC
CF3.0	3'-0"	1'-0"	(4) #4	#4 @ 16" OC

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 815.744.6600

Block Design Firm Registration #18-06973

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3





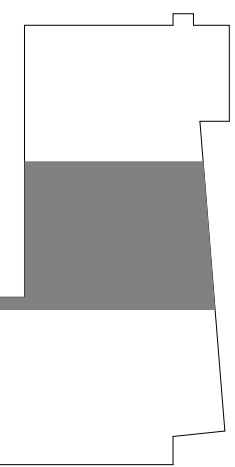
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



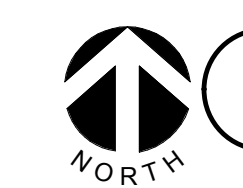
SHEET STATUS: 7-17-15

**BID PACKAGE 2**  
**ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**FOUNDATION PLAN - AREA 2**

SHEET NUMBER:  
**S1.12**



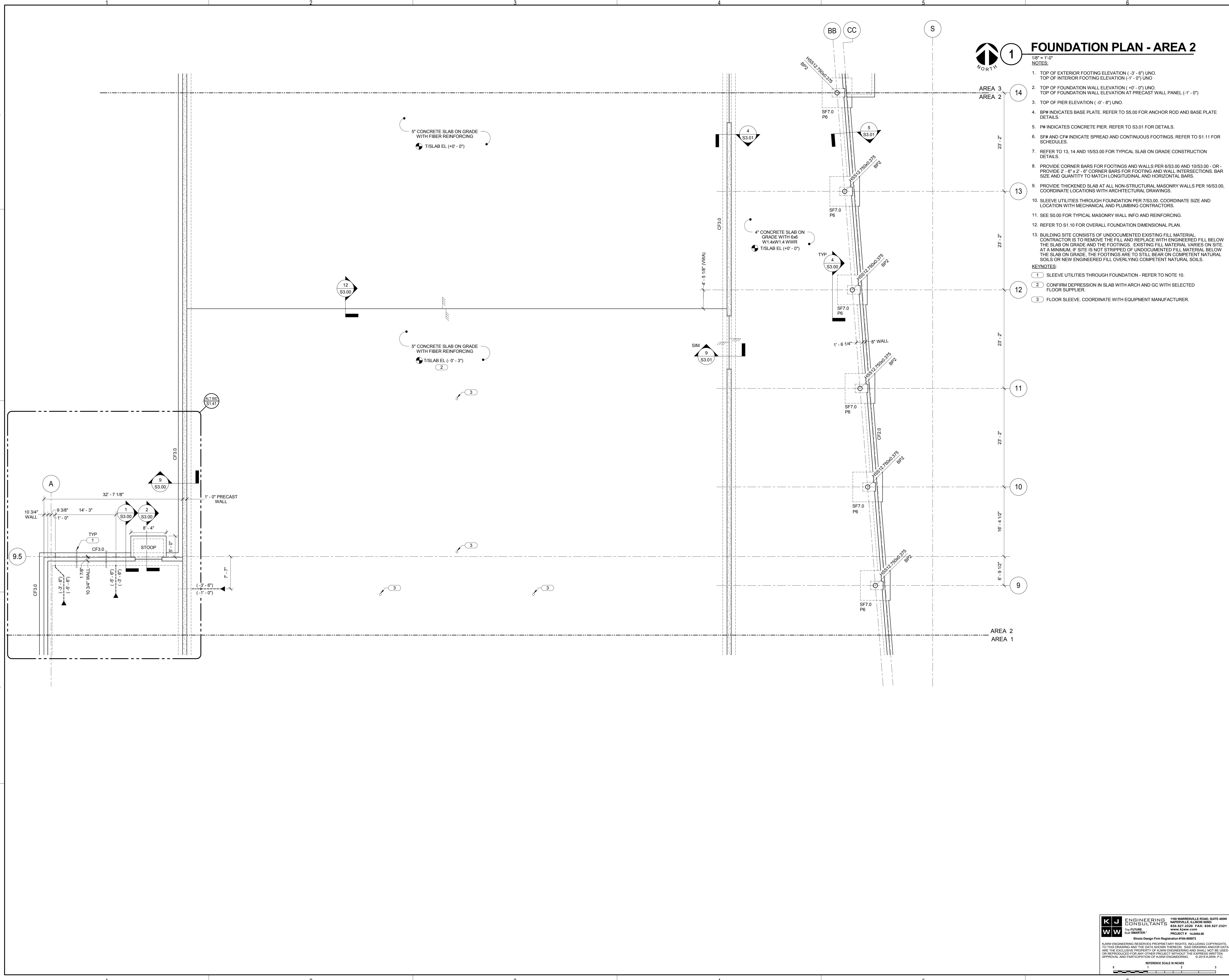
**FOUNDATION PLAN - AREA 2**

1/8" = 1'-0"

NOTES:

- TOP OF EXTERIOR FOOTING ELEVATION (+3'-07") UNO.  
TOP OF INTERIOR FOOTING ELEVATION (-1'-07") UNO.
- TOP OF FOUNDATION WALL ELEVATION (+0'-07") UNO.  
TOP OF FOUNDATION WALL ELEVATION AT PRECAST WALL PANEL (-1'-07") UNO.
- TOP OF PIER ELEVATION (-0'-07") UNO.
- BP# INDICATES BASE PLATE. REFER TO S5.00 FOR ANCHOR ROD AND BASE PLATE DETAILS.
- P# INDICATES CONCRETE PIER. REFER TO S3.01 FOR DETAILS.
- SF# AND CF# INDICATE SPREAD AND CONTINUOUS FOOTINGS. REFER TO S1.11 FOR SCHEDULES.
- REFER TO 13, 14 AND 15/S3.00 FOR TYPICAL SLAB ON GRADE CONSTRUCTION DETAILS.
- PROVIDE CORNER BARS FOR FOOTINGS AND WALLS PER B1/S3.00 AND 10/S3.00 - OR - PROVIDE 2" x 6" x 2" x 6" CORNER BARS FOR FOOTING AND WALL INTERSECTIONS. BAR SIZE AND QUANTITY TO MATCH LONGITUDINAL AND HORIZONTAL BARS.
- PROVIDE THICKENED SLAB AT ALL NON-STRUCTURAL MASONRY WALLS PER 16/S3.00. COORDINATE LOCATIONS WITH ARCHITECTURAL DRAWINGS.
- SLEEVE UTILITIES THROUGH FOUNDATION PER 7/S3.00. COORDINATE SIZE AND LOCATION WITH MECHANICAL AND PLUMBING CONTRACTORS.
- SEE S0.00 FOR TYPICAL MASONRY WALL INFO AND REINFORCING.
- REFER TO S1.10 FOR OVERALL FOUNDATION DIMENSIONAL PLAN.
- BUILDING SITE CONSISTS OF UNDOCUMENTED EXISTING FILL MATERIAL. CONTRACTOR IS TO REMOVE THE FILL AND REPLACE WITH ENGINEERED FILL BELOW THE SLAB ON GRADE AND THE FOOTINGS. EXISTING FILL MATERIAL VARIES ON SITE. AT A MINIMUM, IF SITE IS NOT STRIPPED OF UNDOCUMENTED FILL MATERIAL BELOW THE SLAB ON GRADE, THE FOOTINGS ARE TO STILL BEAR ON COMPETENT NATURAL SOILS OR NEW ENGINEERED FILL OVERLYING COMPETENT NATURAL SOILS.

- KEYNOTES:**
- SLEEVE UTILITIES THROUGH FOUNDATION - REFER TO NOTE 10.
  - CONFIRM DEPRESSION IN SLAB WITH ARCH AND GC WITH SELECTED FLOOR SUPPLIER.
  - FLOOR SLEEVE. COORDINATE WITH EQUIPMENT MANUFACTURER.



**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**KJWW ENGINEERING**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

Blank Design Firm Registration #18-08973  
 PROJECT # 14044.00  
 © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



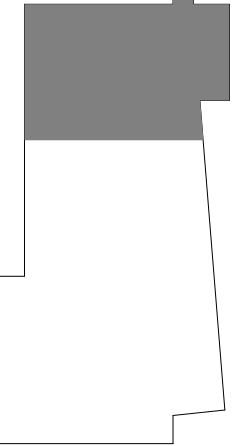
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7-17-15

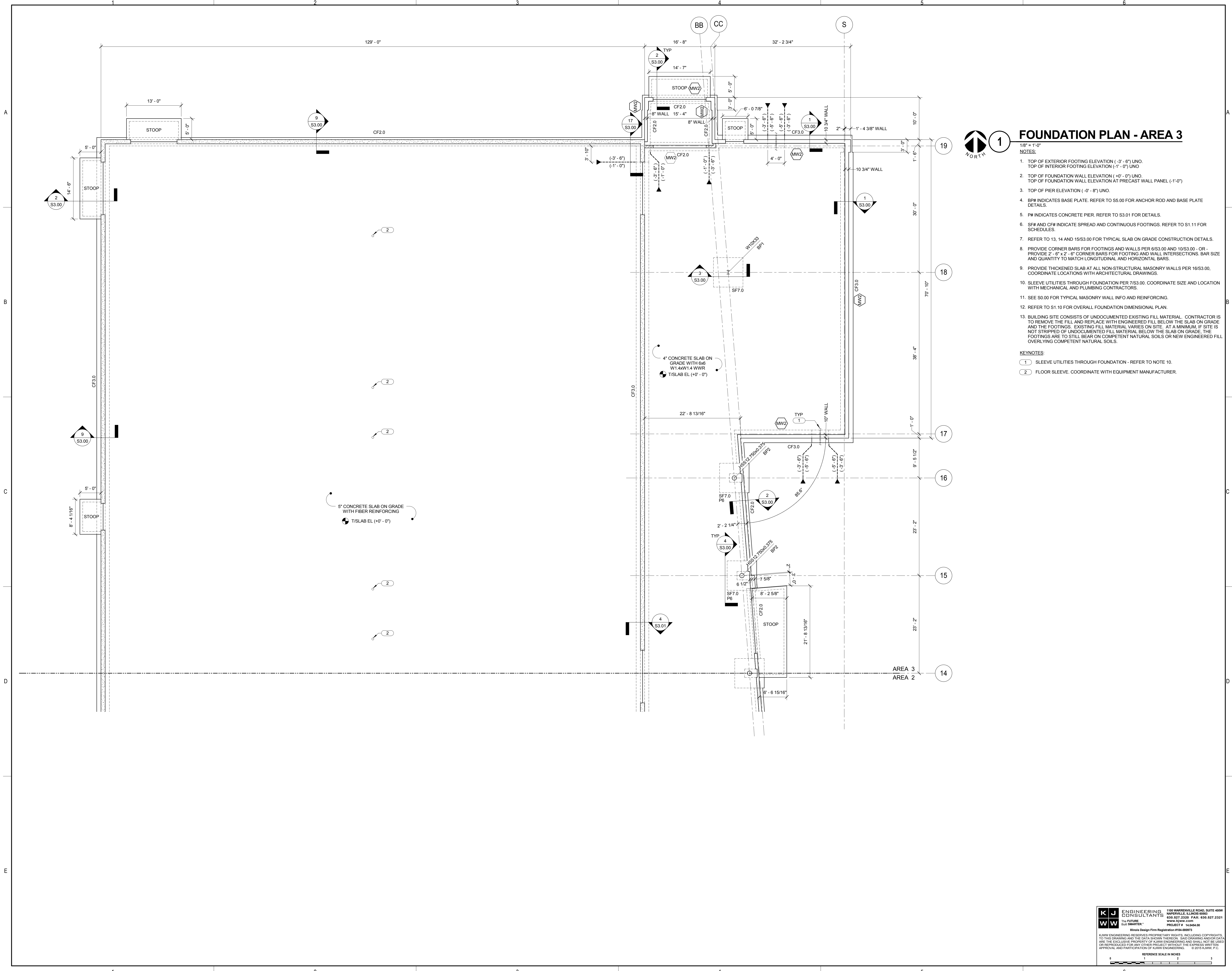
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**FOUNDATION PLAN -  
 AREA 3**

SHEET NUMBER:

**S1.13**



**FOUNDATION PLAN - AREA 3**

- 1/8" = 1'-0"
- NOTES:
- TOP OF EXTERIOR FOOTING ELEVATION (-3'-6") UNO.  
TOP OF INTERIOR FOOTING ELEVATION (-1'-0") UNO.
  - TOP OF FOUNDATION WALL ELEVATION AT PRECAST WALL PANEL (-1'-0") UNO.  
TOP OF FOUNDATION WALL ELEVATION AT PRECAST WALL PANEL (-1'-0") UNO.
  - TOP OF PIER ELEVATION (-0'-8") UNO.
  - BP# INDICATES BASE PLATE. REFER TO S5.00 FOR ANCHOR ROD AND BASE PLATE DETAILS.
  - PF# INDICATES CONCRETE PIER. REFER TO S3.01 FOR DETAILS.
  - SF# AND CF# INDICATE SPREAD AND CONTINUOUS FOOTINGS. REFER TO S1.11 FOR SCHEDULES.
  - REFER TO 13, 14 AND 15/S3.00 FOR TYPICAL SLAB ON GRADE CONSTRUCTION DETAILS.
  - PROVIDE CORNER BARS FOR FOOTINGS AND WALLS PER 8/S3.00 AND 10/S3.00 - GR. PROVIDE Z'-6" X Z'-6" CORNER BARS FOR FOOTING AND WALL INTERSECTIONS. BAR SIZE AND QUANTITY TO MATCH LONGITUDINAL AND HORIZONTAL BARS.
  - PROVIDE THICKENED SLAB AT ALL NON-STRUCTURAL MASONRY WALLS PER 16/S3.00. COORDINATE LOCATIONS WITH ARCHITECTURAL DRAWINGS.
  - SLEEVE UTILITIES THROUGH FOUNDATION PER 7/S3.00. COORDINATE SIZE AND LOCATION WITH MECHANICAL AND PLUMBING CONTRACTORS.
  - SEE S0.00 FOR TYPICAL MASONRY WALL INFO AND REINFORCING.
  - REFER TO S1.10 FOR OVERALL FOUNDATION DIMENSIONAL PLAN.
  - BUILDING SITE CONSISTS OF UNDOCUMENTED EXISTING FILL MATERIAL. CONTRACTOR IS TO REMOVE THE FILL AND REPLACE WITH ENGINEERED FILL BELOW THE SLAB ON GRADE AND THE FOOTINGS. EXISTING FILL MATERIAL VARIES ON SITE. AT A MINIMUM, IF SITE IS NOT STRIPPED OF UNDOCUMENTED FILL MATERIAL BELOW THE SLAB ON GRADE, THE FOOTINGS ARE TO STILL BEAR ON COMPETENT NATURAL SOILS OR NEW ENGINEERED FILL OVERLYING COMPETENT NATURAL SOILS.

- KEYNOTES:
- 1 SLEEVE UTILITIES THROUGH FOUNDATION - REFER TO NOTE 10.
  - 2 FLOOR SLEEVE. COORDINATE WITH EQUIPMENT MANUFACTURER.

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**THE REGISTERED PROFESSIONAL ENGINEER**  
 PROJECT # 14044.00  
 DESIGNER: [Signature]

Illinois Design Firm Registration #18-00973

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3





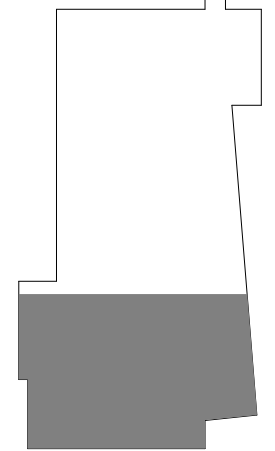
ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7-17-15

**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:

**SECOND FLOOR  
 FRAMING PLAN -  
 AREA 1**

SHEET NUMBER:

**S1.21**

**SECOND FLOOR  
 FRAMING PLAN - AREA 1**

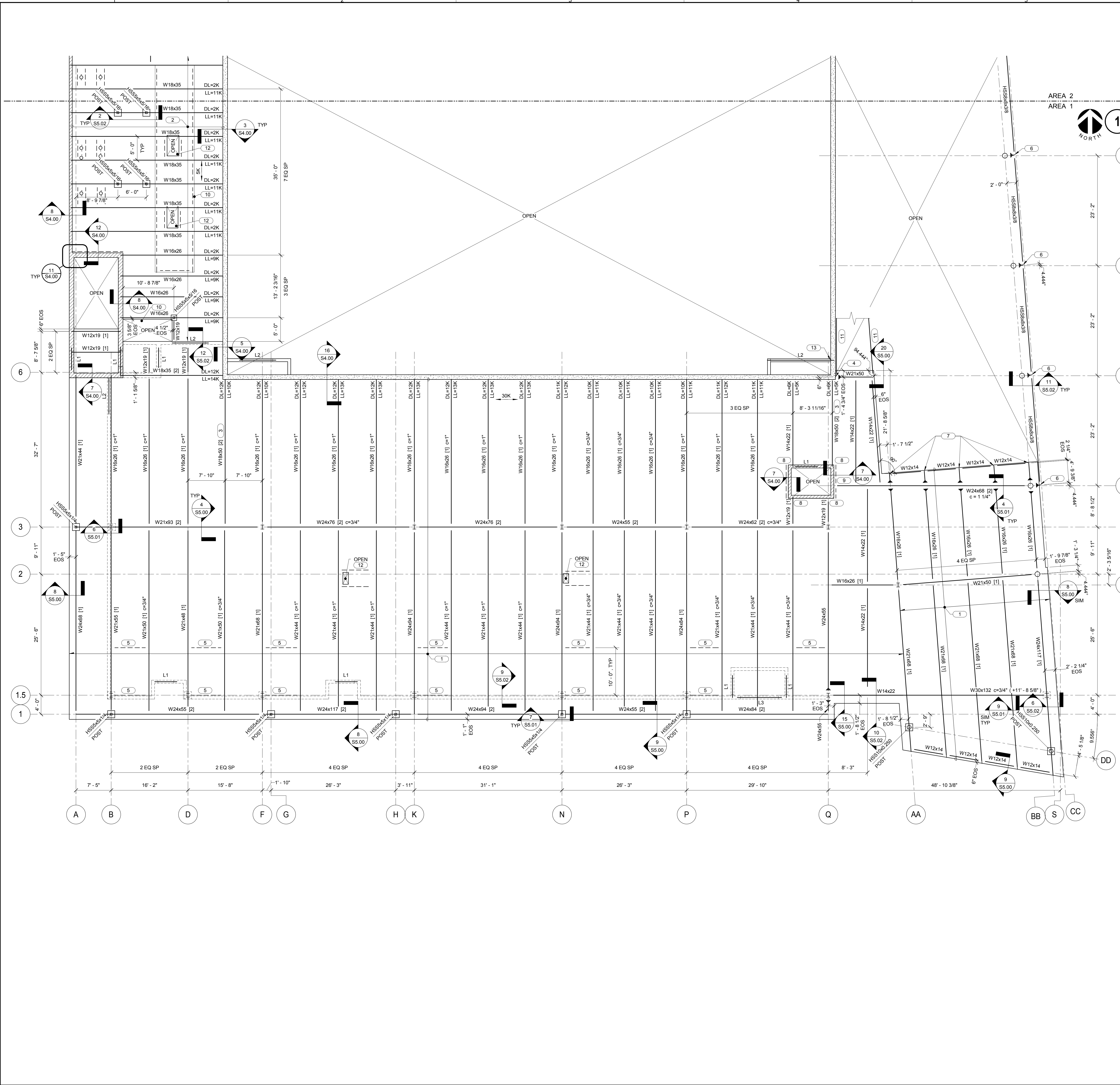
1/8" = 1'-0"

NOTES:

- TOP OF STEEL ELEVATION (+1'-5 1/2"), UNO.
- REFER TO 1, 2, AND 3/SS.01 FOR TYPICAL SHEAR CONNECTION.
- REFER TO 4, 5, AND 6/SS.00 FOR COMPOSITE SLAB CONSTRUCTION DETAILS.
- [#] INDICATES NUMBER OF 3/4"x0 x 0'-5" HEADED WELDED STUDS PER FOOT OF BEAM LENGTH.
- [L#] INDICATES LINTEL IN STRUCTURAL MASONRY WALL - REFER TO S0.00 FOR SCHEDULE.
- PROVIDE BRACING OF NON-STRUCTURAL MASONRY PARTITION PER 13 AND 14/S4.00.
- PROVIDE ANGLE FRAMING AROUND OPENING PER 10/SS.00.
- PRECAST WALL PANELS ARE TO BE DESIGNED AS SHEAR WALLS. REFER TO PLAN FOR LATERAL REACTION.
- BEAM THROUGH BEAM MOMENT CONNECTION - REFER TO 4/SS.01 FOR DETAIL.
- AT INTERIOR MASONRY WALLS, REINFORCE WITH #4 @ 72" OC. CONTROL JOINT MAX SPACING = 20'-0" AND NO CONTROL JOINT WITHIN FIRST 2'-0" OF EDGE OF OPENING.
- AT OPENINGS IN NON-LOAD BEARING INTERIOR MASONRY WALLS, PROVIDE CMU LINTELS AS FOLLOWS:  
 OPENINGS OF 6'-0" OR LESS: 8" HIGH LINTEL WITH (1) #4 BAR, 8" JAMB EACH SIDE WITH (1) #4 BAR.  
 OPENINGS GREATER THAN 6'-0" AND LESS THAN EQUAL TO 12'-0": 16" HIGH LINTEL WITH (2) #4 BARS, 16" JAMB EACH SIDE WITH (2) #4 BARS.  
 OPENINGS GREATER THAN 12'-0" AND LESS THAN EQUAL TO 18'-0": 24" HIGH LINTEL WITH (2) #4 BARS, 16" JAMB EACH SIDE WITH (2) #4 BARS.
- XXX INDICATES LATERAL LOAD APPLIED TO PC WALL PANEL OVER FULL LENGTH OF DIAPHRAGM CONNECTION TO WALL. LOAD IS SERVICE LEVEL WIND LOAD.
- DL=XX K, LL=XX K INDICATES SERVICE LEVEL BEAM AND JOIST DOWNWARD REACTIONS ON PRECAST WALL PANEL.

KEYNOTES:

- 4 1/2" NORMAL WEIGHT CONCRETE SLAB ON 2" (18 GA) COMPOSITE STEEL DECK WITH 606 - W2.9W2.9 WWR (TOTAL THICKNESS = 6 1/2"), 1/8" SLAB ELEVATION (+14'-0"). CONNECT TO SUPPORTING MEMBERS WITH #8 PUDDLE WELLS AT 36/3 PATTERN WITH WELDED SIDELAPS @ 16" OC.
- 1 1/2" TYPE B (20 GA) STEEL ROOF DECK. DECK BEARING EL(+13'-5 1/2"), CONNECT TO SUPPORTING MEMBERS WITH #12 SCREWS AT 36/3 PATTERN AND #10 SCREWS @ 16" OC AT SIDELAPS.
- BEAM IS A COLLECTOR-PRECASTER TO DESIGN CONNECTION FOR SHEAR REACTION SHOWN ON PLAN PLUS 300PSF SERVICE WIND AXIAL LOAD. TYPICAL SHEAR CONNECTION SHALL USE THE KNIFE PLATE CONNECTION CONFIGURATION.
- BEAM IS MOMENT CONNECTED TO PRECAST PANEL. PRECAST SUPPLIER TO DESIGN PANEL FOR MD = 56 KIP/FEET, ML = 48 KIP/FEET AND VD = 10.2 K, VL = 8.7 K.
- L3x3x1/4 FROM BOTTOM FLANGE OF CANTILEVERED BEAM TO TOP FLANGE OF ADJACENT BEAM. REFER TO 13/SS.00.
- HSS8x8x3/8.
- W12x26.
- MASONRY BEARING PLATE, 3/8"x7"x0'-8", REF DETAIL 8/S4.00.
- MASONRY BEARING PLATE, 3/8"x7"x0'-10", REF DETAIL 8/S4.00.
- FRAMING IS DESIGNED FOR A 21,000 LB AIR HANDLING UNIT. CONTRACTOR TO COORDINATE THE UNIT PLACEMENT WITH THE STEEL FABRICATOR TO ENSURE ANGLES ARE PLACED UNDER THE UNIT RAILS/CURB. PROVIDE L6x4x3/8 (LLV) BELOW CURB.
- C15x33.9 STAIR STRINGER.
- COORDINATE OPENING LOCATIONS WITH MECHANICAL CONTRACTOR.
- PROVIDE L6x8x3/8 ANGLE SUPPORT BELOW LINTEL. PRECASTER TO PROVIDE EMBED PLATE FOR CONNECTION.



**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM

**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 815.744.6600

Block Design Firm Registration #18-08973

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA THEREON. S&B DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



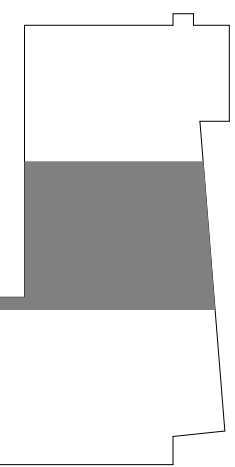
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD, SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7-17-15

**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:

**SECOND FLOOR  
 FRAMING PLAN -  
 AREA 2**

SHEET NUMBER:

**S1.22**

**SECOND FLOOR  
 FRAMING PLAN - AREA 2**



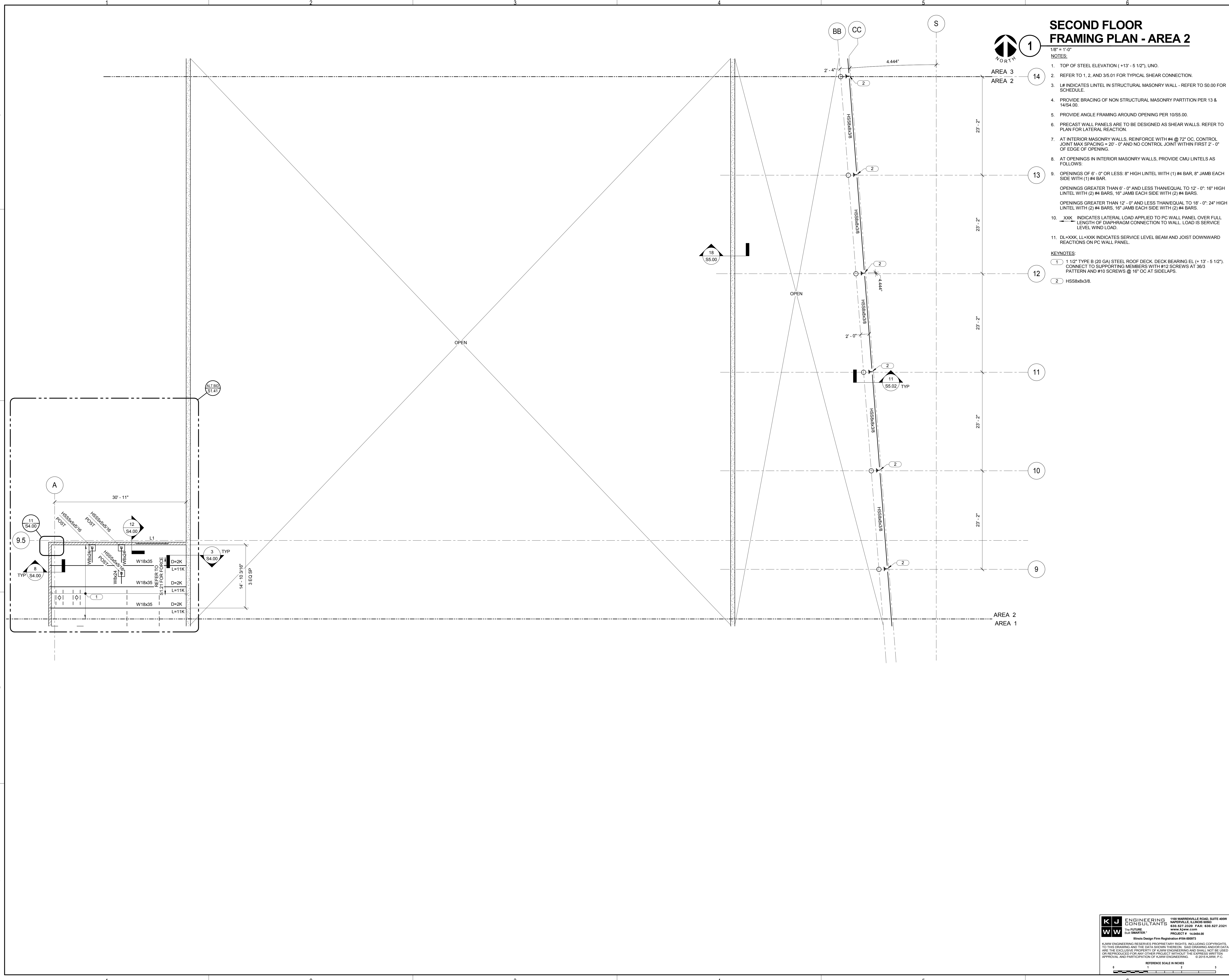
AREA 3  
 AREA 2

NOTES:

- TOP OF STEEL ELEVATION (+13' - 5 1/2'), UNO.
- REFER TO 1, 2, AND 3/5.01 FOR TYPICAL SHEAR CONNECTION.
- L# INDICATES LINTEL IN STRUCTURAL MASONRY WALL - REFER TO 80.00 FOR SCHEDULE.
- PROVIDE BRACING OF NON STRUCTURAL MASONRY PARTITION PER 13 & 14/54.00.
- PROVIDE ANGLE FRAMING AROUND OPENING PER 10/55.00.
- PRECAST WALL PANELS ARE TO BE DESIGNED AS SHEAR WALLS. REFER TO PLAN FOR LATERAL REACTION.
- AT INTERIOR MASONRY WALLS, REINFORCE WITH #4 @ 72" OC, CONTROL JOINT MAX SPACING = 20' - 0" AND NO CONTROL JOINT WITHIN FIRST 2' - 0" OF EDGE OF OPENING.
- AT OPENINGS IN INTERIOR MASONRY WALLS, PROVIDE CMU LINTELS AS FOLLOWS:  
 OPENINGS GREATER THAN 6' - 0" AND LESS THAN EQUAL TO 12' - 0": 16" HIGH LINTEL WITH (2) #4 BARS, 16" JAMB EACH SIDE WITH (2) #4 BARS.  
 OPENINGS GREATER THAN 12' - 0" AND LESS THAN EQUAL TO 18' - 0": 24" HIGH LINTEL WITH (2) #4 BARS, 16" JAMB EACH SIDE WITH (2) #4 BARS.
- OPENINGS OF 6' - 0" OR LESS: 8" HIGH LINTEL WITH (1) #4 BAR, 8" JAMB EACH SIDE WITH (1) #4 BAR.
- XXX INDICATES LATERAL LOAD APPLIED TO PC WALL PANEL OVER FULL LENGTH OF DIAPHRAGM CONNECTION TO WALL. LOAD IS SERVICE LEVEL WIND LOAD.
- DL=XXX, LL=XXX INDICATES SERVICE LEVEL BEAM AND JOIST DOWNWARD REACTIONS ON PC WALL PANEL.

KEYNOTES:

- 1 1 1/2" TYPE B (20 GA) STEEL ROOF DECK, DECK BEARING EL (+ 13' - 5 1/2'). CONNECT TO SUPPORTING MEMBERS WITH #12 SCREWS AT 36" PATTERN AND #10 SCREWS @ 16" OC AT SIDELAPS.
- 2 HSS8x8x3/8.



**K J W W** ENGINEERING CONSULTANTS  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14044.00  
 DESIGN FIRM REGISTRATION #18-06973  
 KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3





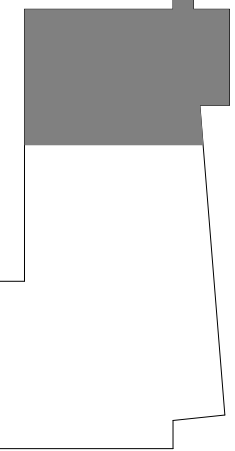
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7-17-15

**BID PACKAGE 2  
 ISSUED FOR BID**

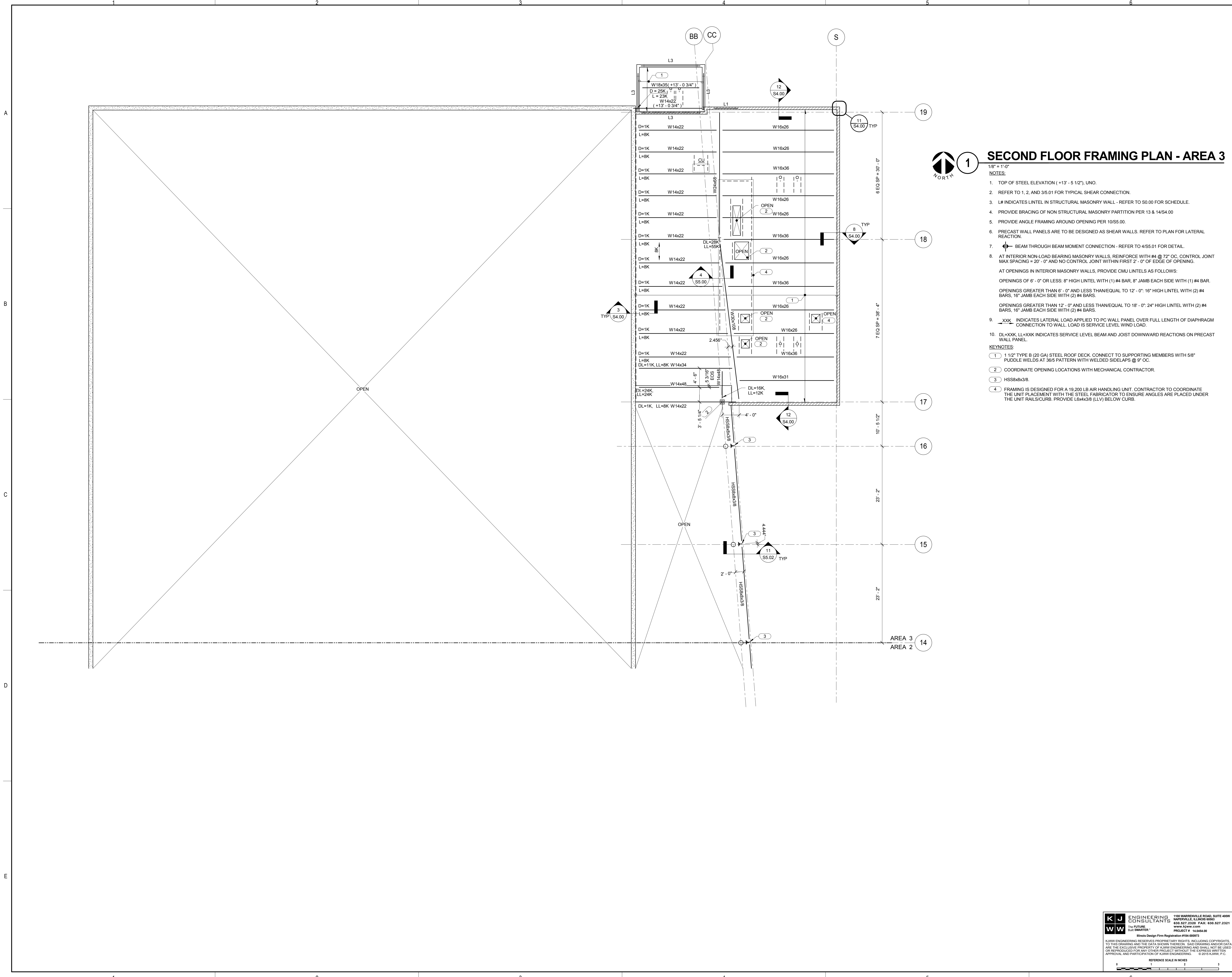
NO.	DESCRIPTION:	DATE:

SHEET TITLE:

**SECOND FLOOR  
 FRAMING PLAN -  
 AREA 3**

SHEET NUMBER:

**S1.23**



**1 SECOND FLOOR FRAMING PLAN - AREA 3**

- 1/8" = 1'-0"
- NOTES:**
- TOP OF STEEL ELEVATION (+13' - 5 1/2"), UNO.
  - REFER TO 1, 2, AND 3/5.01 FOR TYPICAL SHEAR CONNECTION.
  - L# INDICATES LINTEL IN STRUCTURAL MASONRY WALL - REFER TO S0.00 FOR SCHEDULE.
  - PROVIDE BRACING OF NON STRUCTURAL MASONRY PARTITION PER 13 & 14/S4.00
  - PROVIDE ANGLE FRAMING AROUND OPENING PER 10/S5.00.
  - PRECAST WALL PANELS ARE TO BE DESIGNED AS SHEAR WALLS. REFER TO PLAN FOR LATERAL REACTION.
  - BEAM THROUGH BEAM MOMENT CONNECTION - REFER TO 4/S5.01 FOR DETAIL.
  - AT INTERIOR NON-LOAD BEARING MASONRY WALLS, REINFORCE WITH #4 @ 72" OC. CONTROL JOINT MAX SPACING = 20' - 0" AND NO CONTROL JOINT WITHIN 2' - 0" OF EDGE OF OPENING.  
 AT OPENINGS IN INTERIOR MASONRY WALLS, PROVIDE CMU LINTELS AS FOLLOWS:  
 OPENINGS OF 6' - 0" OR LESS: 8" HIGH LINTEL WITH (1) #4 BAR, 8" JAMB EACH SIDE WITH (1) #4 BAR.  
 OPENINGS GREATER THAN 6' - 0" AND LESS THAN/EQUAL TO 12' - 0": 16" HIGH LINTEL WITH (2) #4 BARS, 16" JAMB EACH SIDE WITH (2) #4 BARS.  
 OPENINGS GREATER THAN 12' - 0" AND LESS THAN/EQUAL TO 18' - 0": 24" HIGH LINTEL WITH (2) #4 BARS, 16" JAMB EACH SIDE WITH (2) #4 BARS.
  - XXX INDICATES LATERAL LOAD APPLIED TO PC WALL PANEL OVER FULL LENGTH OF DIAPHRAGM CONNECTION TO WALL. LOAD IS SERVICE LEVEL WIND LOAD.
  - DL=XXX, LL=XXX INDICATES SERVICE LEVEL BEAM AND JOIST DOWNWARD REACTIONS ON PRECAST WALL PANEL.
- KEYNOTES:**
- 1 1/2" TYPE B (20 GA) STEEL ROOF DECK. CONNECT TO SUPPORTING MEMBERS WITH 5/8" PUDDLE WELDS AT 36/5 PATTERN WITH WELDED SIDELAPS @ 9" OC.
  - COORDINATE OPENING LOCATIONS WITH MECHANICAL CONTRACTOR.
  - HSS8x8x3/8.
  - FRAMING IS DESIGNED FOR A 10-200 LB AIR HANDLING UNIT. CONTRACTOR TO COORDINATE THE UNIT PLACEMENT WITH THE STEEL FABRICATOR TO ENSURE ANGLES ARE PLACED UNDER THE UNIT RAILS/CURB. PROVIDE L6x4x3/8 (LLV) BELOW CURB.

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**W W ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

PROJECT # 14044.00  
 © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



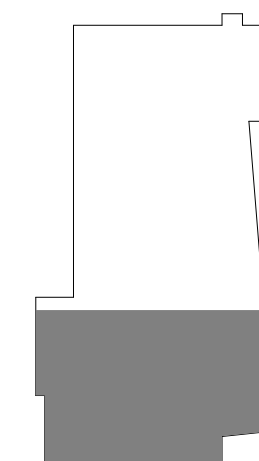
ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7-17-15

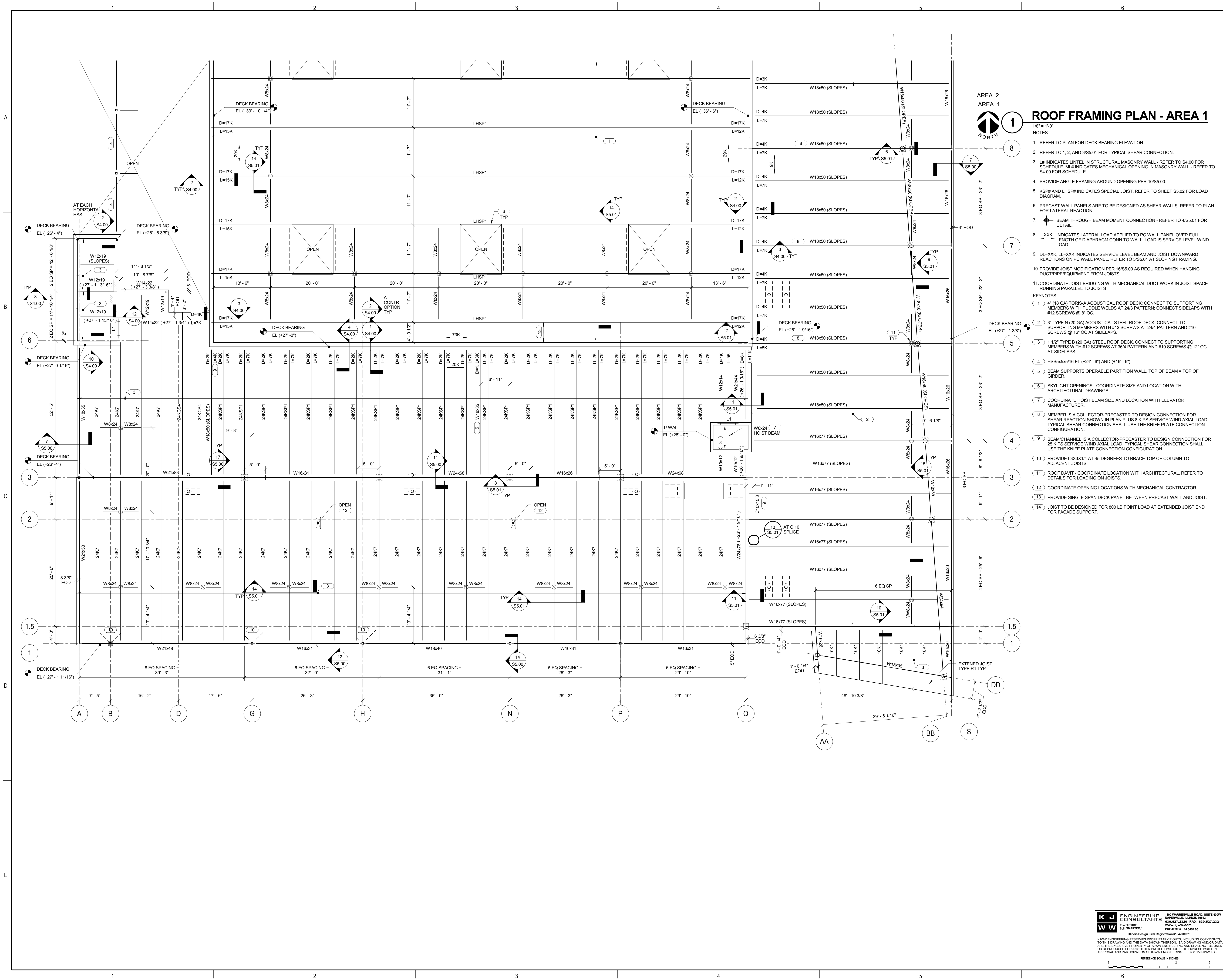
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ROOF FRAMING PLAN  
 - AREA 1**

SHEET NUMBER:

**S1.31**



**ROOF FRAMING PLAN - AREA 1**

- 1/8" = 1'-0"  
 NOTES:
- REFER TO PLAN FOR DECK BEARING ELEVATION.
  - REFER TO 1, 2, AND 355.01 FOR TYPICAL SHEAR CONNECTION.
  - L# INDICATES LEVEL IN STRUCTURAL MASONRY WALL - REFER TO S4.00 FOR SCHEDULE. M# INDICATES MECHANICAL OPENING IN MASONRY WALL - REFER TO S4.00 FOR SCHEDULE.
  - PROVIDE ANGLE FRAMING AROUND OPENING PER 10S5.00.
  - KSP# AND LHSP# INDICATES SPECIAL JOIST. REFER TO SHEET S5.02 FOR LOAD DIAGRAM.
  - PRECAST WALL PANELS ARE TO BE DESIGNED AS SHEAR WALLS. REFER TO PLAN FOR LATERAL REACTION.
  - BEAM THROUGH BEAM MOMENT CONNECTION - REFER TO 45S.01 FOR DETAIL.
  - XXX INDICATES LATERAL LOAD APPLIED TO PC WALL PANEL OVER FULL LENGTH OF DIAPHRAGM CONN TO WALL. LOAD IS SERVICE LEVEL WIND LOAD.
  - DL-XXX, LL-XXX INDICATES SERVICE LEVEL BEAM AND JOIST DOWNWARD REACTIONS ON PC WALL PANEL. REFER TO S5.01 AT SLIDING FRAMING.
  - PROVIDE JOIST MODIFICATION PER 16S5.00 AS REQUIRED WHEN HANGING DUCT/PIPE/EQUIPMENT FROM JOISTS.
  - COORDINATE JOIST BRIDGING WITH MECHANICAL DUCT WORK IN JOIST SPACE RUNNING PARALLEL TO JOISTS.
- KEYNOTES:
- 4" (18 GA) TORIS-A ACOUSTICAL ROOF DECK. CONNECT TO SUPPORTING MEMBERS WITH PUDDLE WELDS AT 24/3 PATTERN. CONNECT SIDELAPS WITH #12 SCREWS @ 16" OC AT SIDELAPS.
  - 3" TYPE N (20 GA) ACOUSTICAL STEEL ROOF DECK. CONNECT TO SUPPORTING MEMBERS WITH #12 SCREWS AT 24/4 PATTERN AND #10 SCREWS @ 16" OC AT SIDELAPS.
  - 1 1/2" TYPE B (20 GA) STEEL ROOF DECK. CONNECT TO SUPPORTING MEMBERS WITH #12 SCREWS AT 36/4 PATTERN AND #10 SCREWS @ 12" OC AT SIDELAPS.
  - HSS5x5x5/16 EL (+24'-6") AND (+16'-6").
  - BEAM SUPPORTS OPERABLE PARTITION WALL. TOP OF BEAM = TOP OF GIRDER.
  - SKYLIGHT OPENINGS - COORDINATE SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS.
  - COORDINATE HOIST BEAM SIZE AND LOCATION WITH ELEVATOR MANUFACTURER.
  - MEMBER IS A COLLECTOR-PRECASTER TO DESIGN CONNECTION FOR SHEAR REACTION SHOWN IN PLAN PLUS 8 KIPS SERVICE WIND AXIAL LOAD. TYPICAL SHEAR CONNECTION SHALL USE THE KNIFE PLATE CONNECTION CONFIGURATION.
  - BEAM CHANNEL IS A COLLECTOR-PRECASTER TO DESIGN CONNECTION FOR 25 KIPS SERVICE WIND AXIAL LOAD. TYPICAL SHEAR CONNECTION SHALL USE THE KNIFE PLATE CONNECTION CONFIGURATION.
  - PROVIDE L3X3X1/4 AT 45 DEGREES TO BRACE TOP OF COLUMN TO ADJACENT JOISTS.
  - ROOF DAVIT - COORDINATE LOCATION WITH ARCHITECTURAL. REFER TO DETAILS FOR LOADING ON JOISTS.
  - COORDINATE OPENING LOCATIONS WITH MECHANICAL CONTRACTOR.
  - PROVIDE SINGLE SPAN DECK PANEL BETWEEN PRECAST WALL AND JOIST.
  - JOIST TO BE DESIGNED FOR 800 LB POINT LOAD AT EXTENDED JOIST END FOR FACADE SUPPORT.

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**W W ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.WWENGINEERING.COM

PROJECT # 14044.00  
 DESIGNER: [Name]  
 DATE: 7-17-15

SCALE: 1/8" = 1'-0"





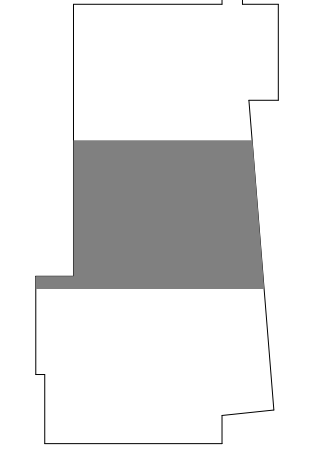
ARCHITECT OF RECORD  
**DEMIONA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD, SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7-17-15  
**BID PACKAGE 2**  
**ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

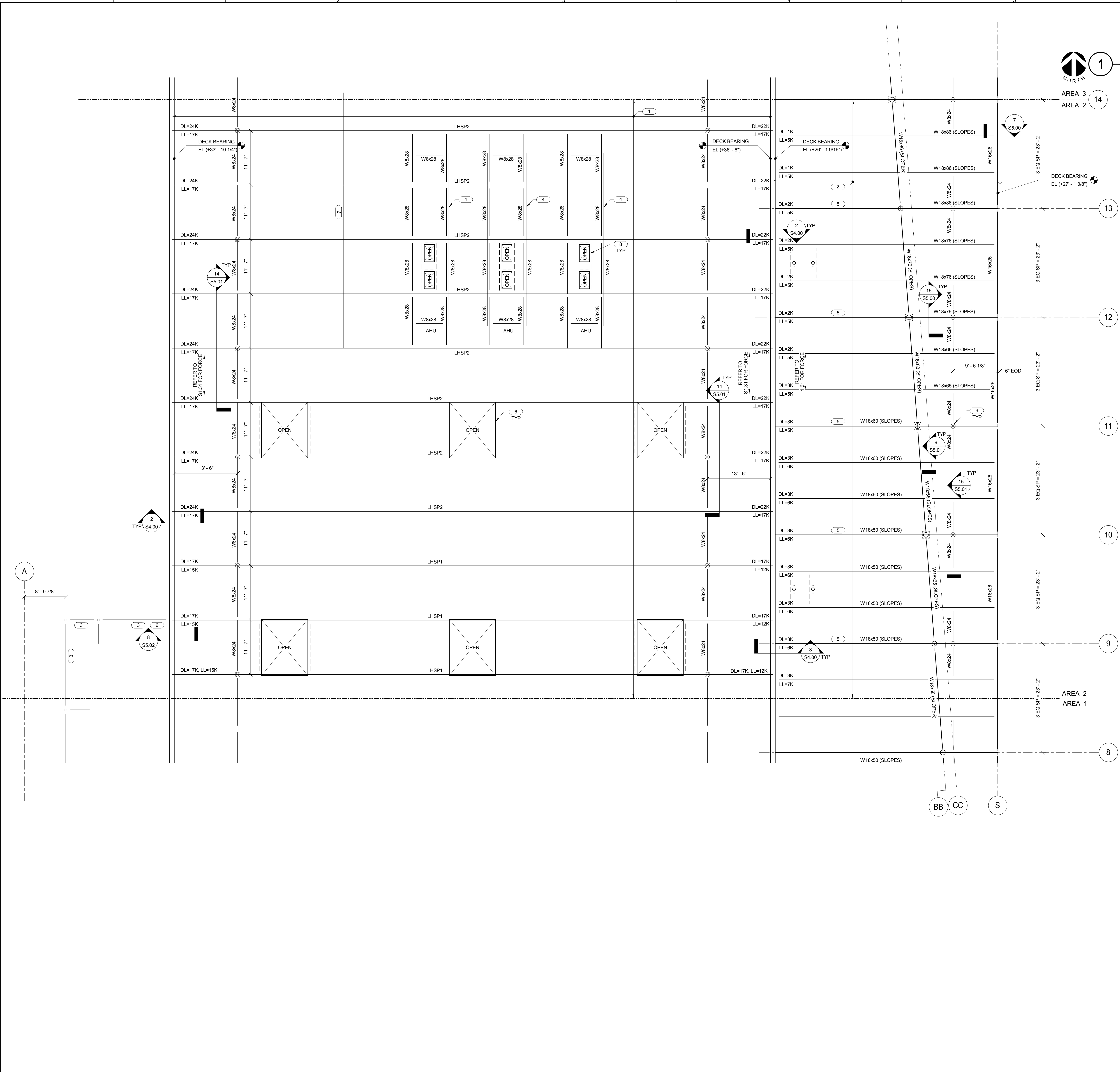
SHEET TITLE:  
**ROOF FRAMING PLAN**  
**- AREA 2**

SHEET NUMBER:  
**S1.32**

**ROOF FRAMING PLAN - AREA 2**



- 18" = 1'-0"  
 NOTES:
- REFER TO PLAN FOR DECK BEARING ELEVATION.
  - REFER TO 1, 2, AND 3/SS.00 FOR TYPICAL SHEAR CONNECTION.
  - PROVIDE ANGLE FRAMING AROUND OPENING PER 10/SS.00.
  - LHSP# INDICATES SPECIAL JOIST. REFER TO SHEET SS.02 FOR LOAD DIAGRAM.
  - PRECAST WALL PANELS ARE TO BE DESIGNED AS SHEAR WALLS. REFER TO PLAN FOR LATERAL REACTION.
  - BEAM THROUGH BEAM MOMENT CONNECTION - REFER TO 4/SS.01 FOR DETAIL.
  - XXX INDICATES LATERAL LOAD APPLIED TO PC WALL PANEL OVER FULL LENGTH OF DIAPHRAGM CONN TO WALL. LOAD IS SERVICE LEVEL WIND LOAD.
  - DL-XXX, LL-XXX INDICATES SERVICE LEVEL BEAM AND JOIST DOWNWARD REACTIONS ON PC WALL PANEL. REFER TO SS.01 AT SLOPING FRAMING.
  - PROVIDE JOIST MODIFICATION PER 16/SS.00 AS REQUIRED WHEN HANGING DUCT/PIPE/EQUIPMENT FROM JOISTS.
  - COORDINATE JOIST BRIDGING WITH MECHANICAL DUCT WORK IN JOIST SPACE RUNNING PARALLEL TO JOISTS.
- KEYNOTES:
- 4" (18 GA) TORIS-A ACOUSTICAL ROOF DECK. CONNECT TO SUPPORTING MEMBERS WITH PUDDLE WELDS AT 24/3 PATTERN. CONNECT SIDELAPS WITH #12 SCREWS @ 8" OC.
  - 3" TYPE N (20 GA) STEEL ROOF DECK. CONNECT TO SUPPORTING MEMBERS WITH #12 SCREWS AT 36/3 PATTERN AND #10 SCREWS @ 16" OC AT SIDELAPS.
  - HSS5x5x1/16 EL (+24' - 6") AND (+16' - 6").
  - FRAMING IS DESIGNED FOR A 18,300 LB AIR HANDLING UNIT. GENERAL CONTRACTOR TO COORDINATE THE UNIT PLACEMENT WITH THE STEEL FABRICATOR TO ENSURE BEAMS ARE PLACED UNDER THE UNIT RAILS/CURB AND THE JOISTS ARE PROPERLY DESIGNED.
  - BEAM IS A COLLECTOR-PRECASTER TO DESIGN CONNECTION FOR SHEAR CONNECTION SHOWN IN PLAN PLUS 8 KIPS SERVICE WIND AXIAL LOAD. TYPICAL SHEAR CONNECTION SHALL USE THE KNIFE PLATE CONNECTION CONFIGURATION.
  - PRECASTER TO DESIGN CONNECTION FOR 2 KIPS HORIZONTAL SHEAR AND 2 KIPS SERVICE WIND AXIAL LOAD.
  - MOTORIZED LIGHTING RIGGING TRACK HOIST TO BE SUPPORTED FROM BOTTOM CHORD OF JOISTS - COORDINATE FINAL LOCATION AND WEIGHT WITH ELECTRICAL CONTRACTOR. APPROXIMATE WEIGHT = 1 KIP AT EACH JOIST.
  - COORDINATE OPENING LOCATIONS WITH MECHANICAL CONTRACTOR.
  - ROOF DAVIT - COORDINATE LOCATION WITH ARCHITECTURAL. REFER TO DETAILS FOR LOADING ON JOISTS.
  - SKYLIGHT OPENINGS - COORDINATE SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS.



**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.627.2321  
 www.kjww.com

**THE ENGINEER**  
 PROJECT # 14044.00  
 DESIGN # 14044.00

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SUCH DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



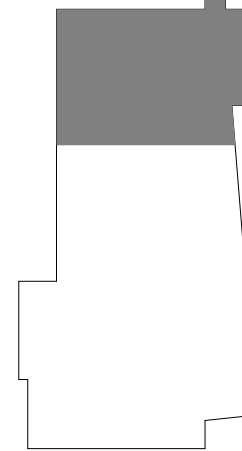
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7-17-15

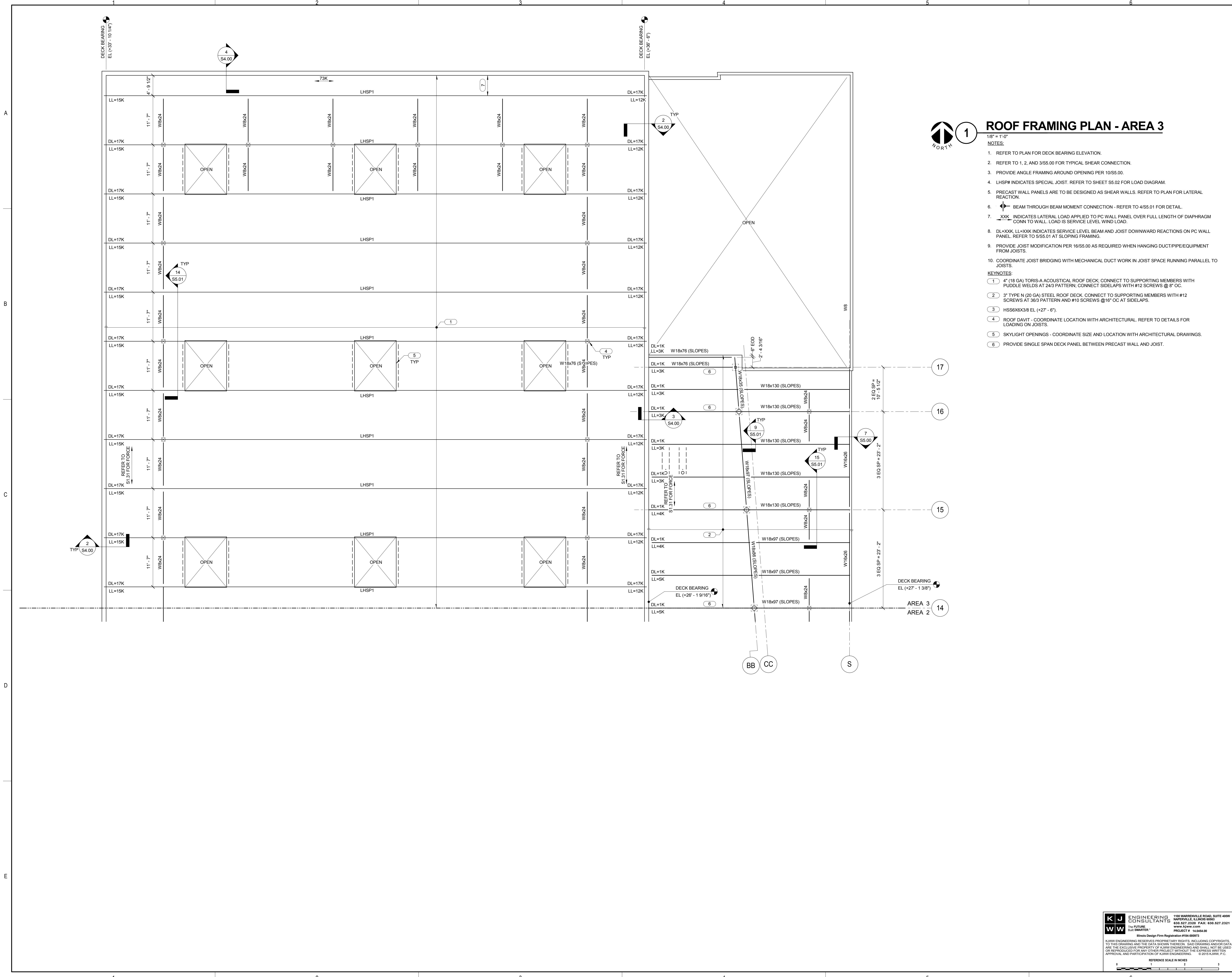
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ROOF FRAMING PLAN  
 - AREA 3**

SHEET NUMBER:

**S1.33**



**1 ROOF FRAMING PLAN - AREA 3**

- 1/8" = 1'-0"
- NOTES:
- REFER TO PLAN FOR DECK BEARING ELEVATION.
  - REFER TO 1, 2, AND 3/S5.00 FOR TYPICAL SHEAR CONNECTION.
  - PROVIDE ANGLE FRAMING AROUND OPENING PER 10/S5.00.
  - LHSP# INDICATES SPECIAL JOIST. REFER TO SHEET S5.02 FOR LOAD DIAGRAM.
  - PRECAST WALL PANELS ARE TO BE DESIGNED AS SHEAR WALLS. REFER TO PLAN FOR LATERAL REACTION.
  - BEAM THROUGH BEAM MOMENT CONNECTION - REFER TO 4/S5.01 FOR DETAIL.
  - XXX INDICATES LATERAL LOAD APPLIED TO PC WALL PANEL OVER FULL LENGTH OF DIAPHRAGM CONN TO WALL. LOAD IS SERVICE LEVEL WIND LOAD.
  - DL=XXX, LL=XXX INDICATES SERVICE LEVEL BEAM AND JOIST DOWNWARD REACTIONS ON PC WALL PANEL. REFER TO 5/S5.01 AT SLOPING FRAMING.
  - PROVIDE JOIST MODIFICATION PER 16/S5.00 AS REQUIRED WHEN HANGING DUCT/PIPE/EQUIPMENT FROM JOISTS.
  - COORDINATE JOIST BRIDGING WITH MECHANICAL DUCT WORK IN JOIST SPACE RUNNING PARALLEL TO JOISTS.
- KEYNOTES:
- 4" (18 GA) TORIS-A ACOUSTICAL ROOF DECK; CONNECT TO SUPPORTING MEMBERS WITH PUDDLE WELDS AT 24" PATTERN; CONNECT SIDELAPS WITH #12 SCREWS @ 8" OC.
  - 3" TYPE N (20 GA) STEEL ROOF DECK; CONNECT TO SUPPORTING MEMBERS WITH #12 SCREWS AT 36" PATTERN AND #10 SCREWS @ 18" OC AT SIDELAPS.
  - HSS6X3/8 EL (+27' - 6").
  - ROOF DAVIT - COORDINATE LOCATION WITH ARCHITECTURAL. REFER TO DETAILS FOR LOADING ON JOISTS.
  - SKYLIGHT OPENINGS - COORDINATE SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS.
  - PROVIDE SINGLE SPAN DECK PANEL BETWEEN PRECAST WALL AND JOIST.

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM

**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

PROJECT # 14044.00  
 DESIGN FIRM REGISTRATION #18-08973

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3





ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

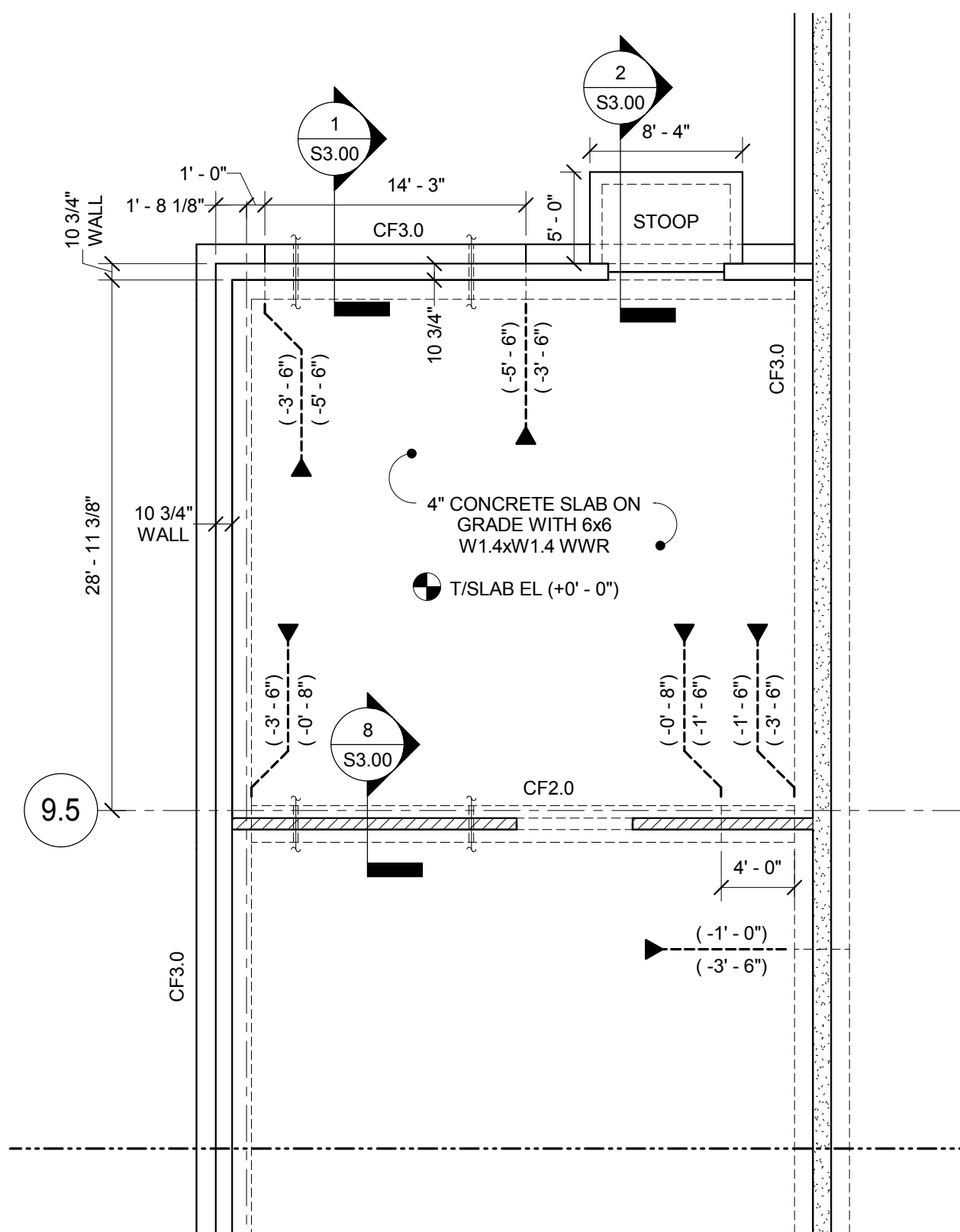
SHEET STATUS: 7-17-15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

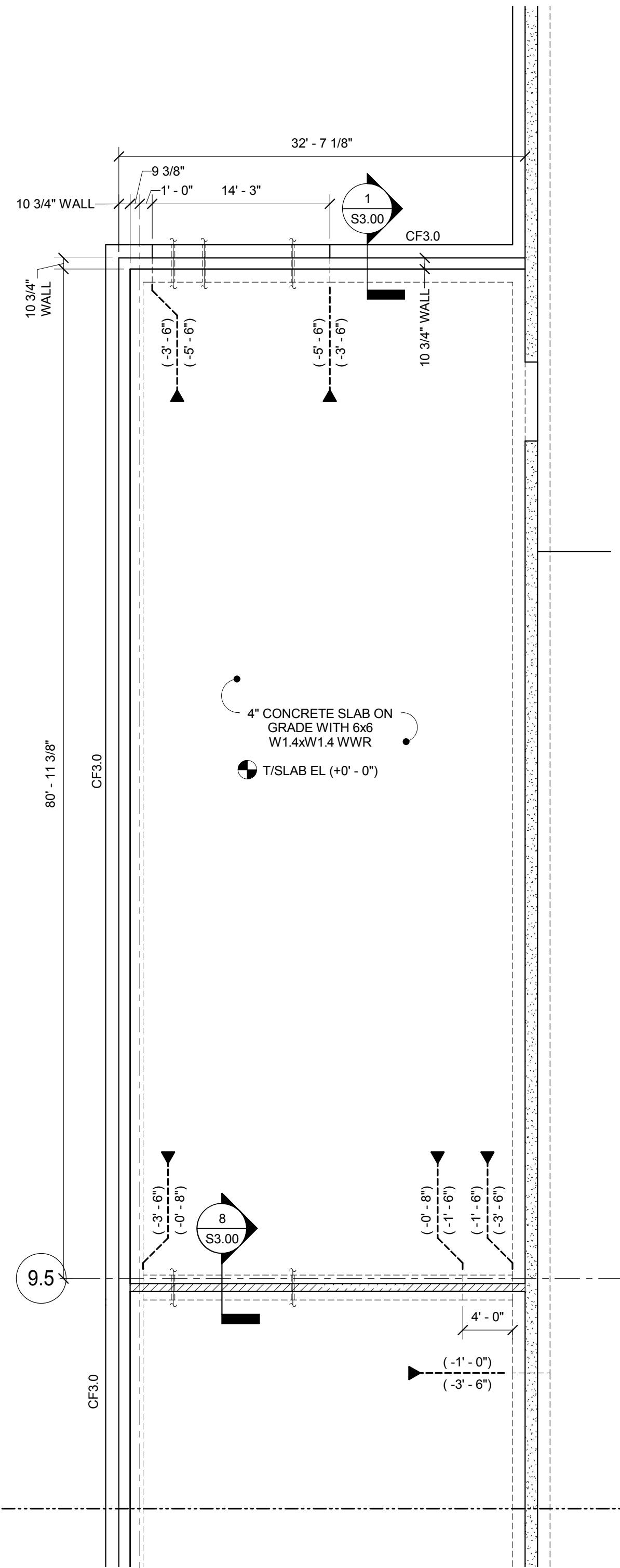
SHEET TITLE:  
**ALTERNATE BID**

SHEET NUMBER:

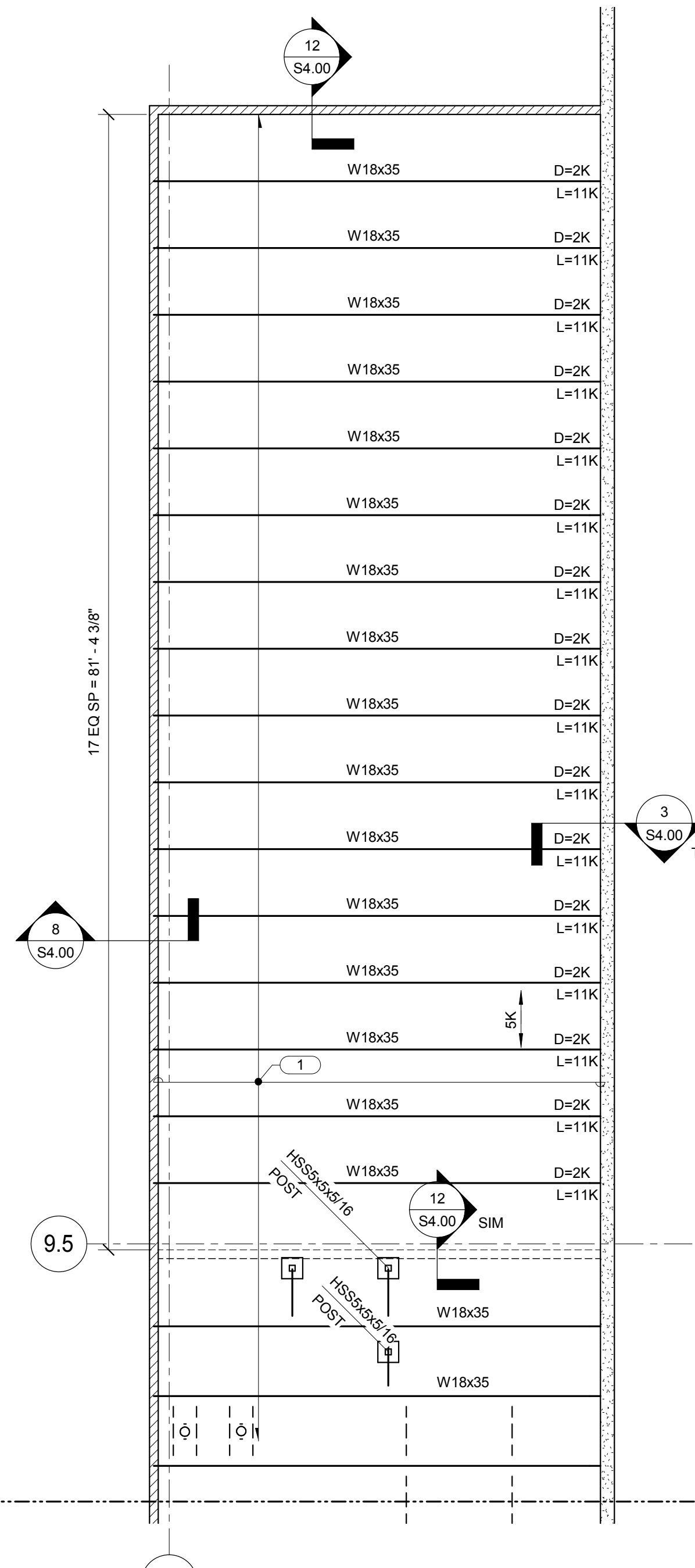
**S1.41**



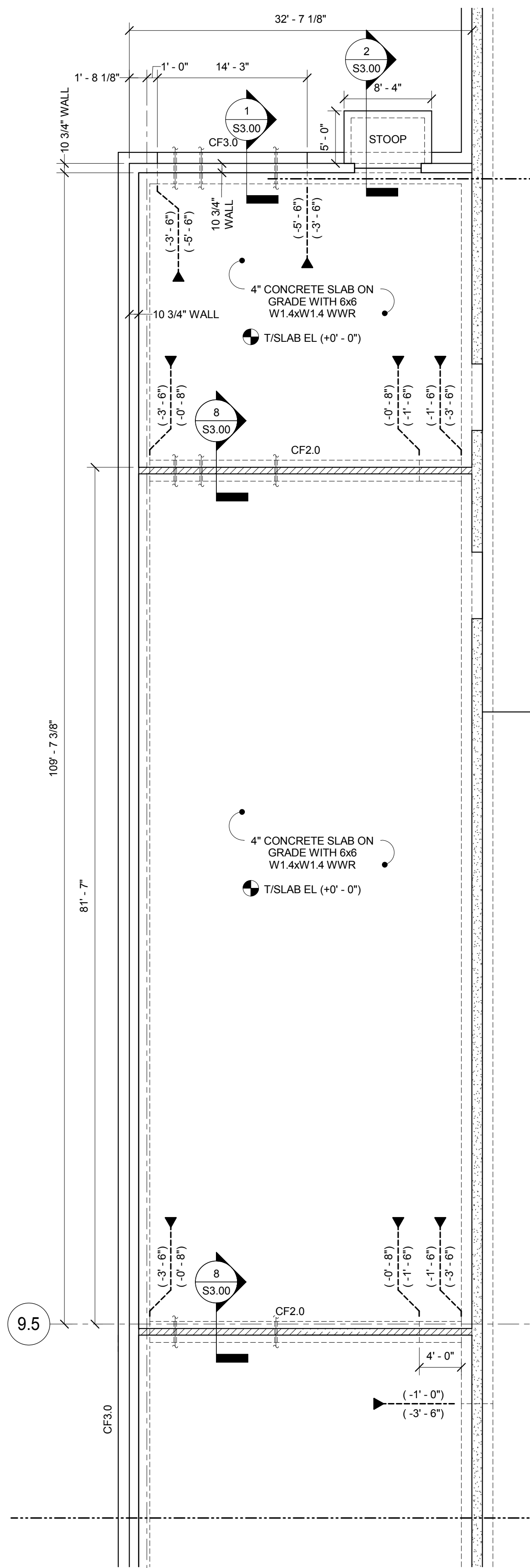
**1 FOUNDATION PLAN - ALT BID 1**  
 1/8" = 1'-0"  
 NOTES:  
 1. REFER TO S1.11 TO S1.13 FOR FOUNDATION INFORMATION. THIS PLAN IS FOR ALTERNATE BID.



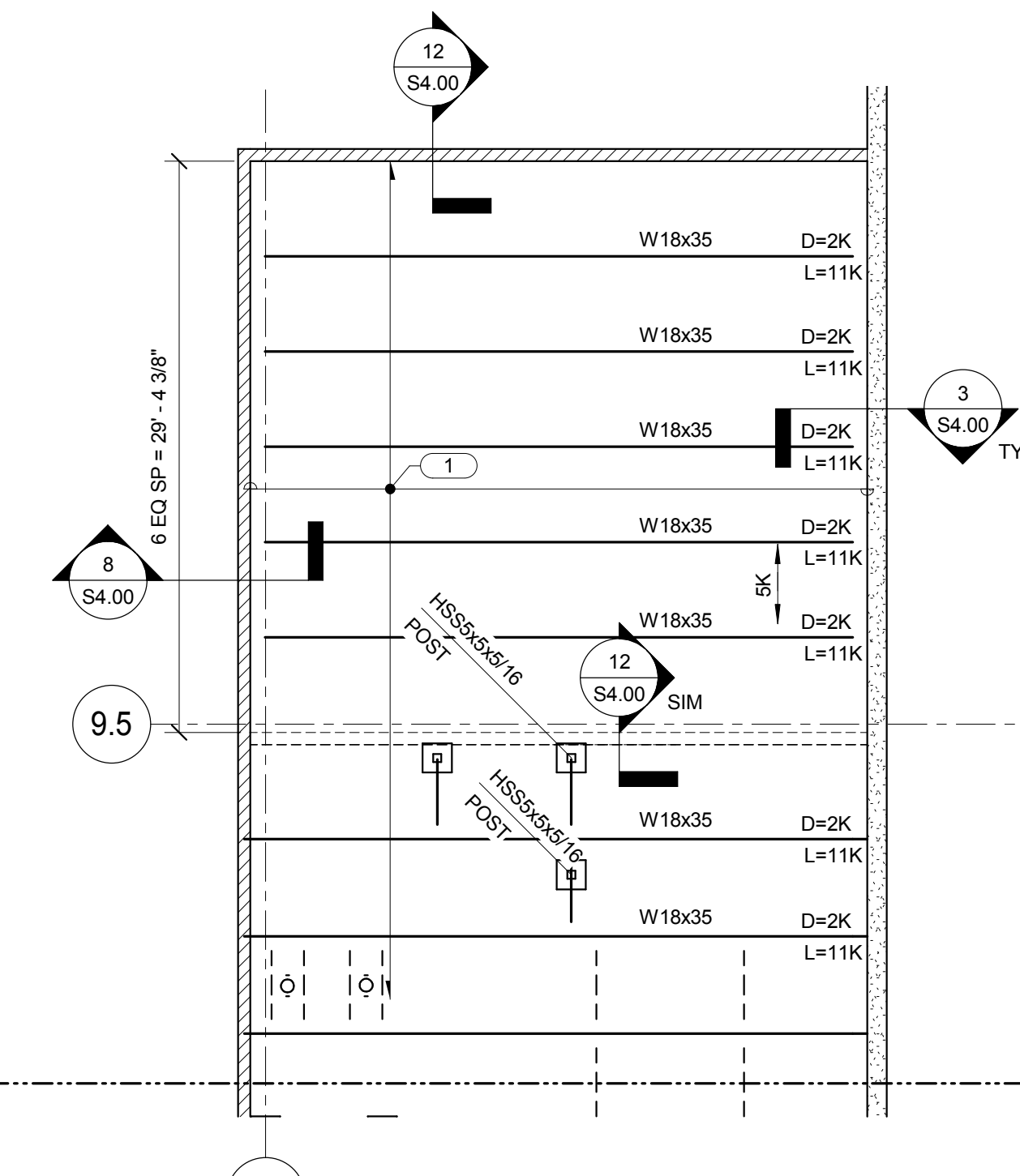
**2 FOUNDATION PLAN - ALT BID 2**  
 1/8" = 1'-0"  
 NOTES:  
 1. REFER TO S1.10 TO S1.30 FOR FOUNDATION INFORMATION. THIS PLAN IS FOR ALTERNATE BID.



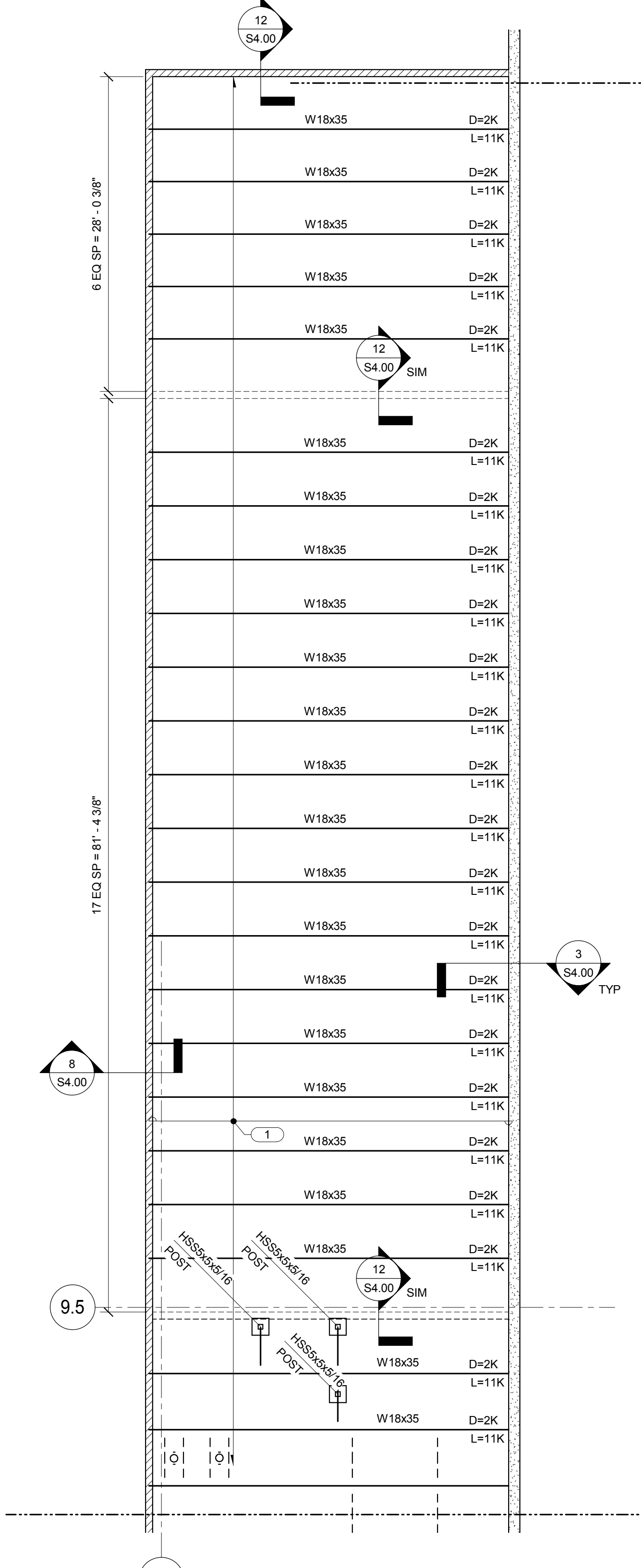
**5 SECOND FLOOR FRAMING PLAN - ALT BID 2**  
 1/8" = 1'-0"  
 NOTES:  
 1. REFER TO S1.21 TO S1.23 FOR FRAMING INFORMATION. THIS PLAN IS FOR ALTERNATE BID.  
 KEYNOTES:  
 (1) 1 1/2" (20 GA) STEEL ROOF DECK, DECK BEARING EL (+ 13' - 5 1/2"). CONNECT DECK PER KEYNOTE 2 ON S1.21.



**3 FOUNDATION PLAN - ALT BID 3**  
 1/8" = 1'-0"  
 NOTES:  
 1. REFER TO S1.11 TO S1.13 FOR FOUNDATION INFORMATION. THIS PLAN IS FOR ALTERNATE BID.



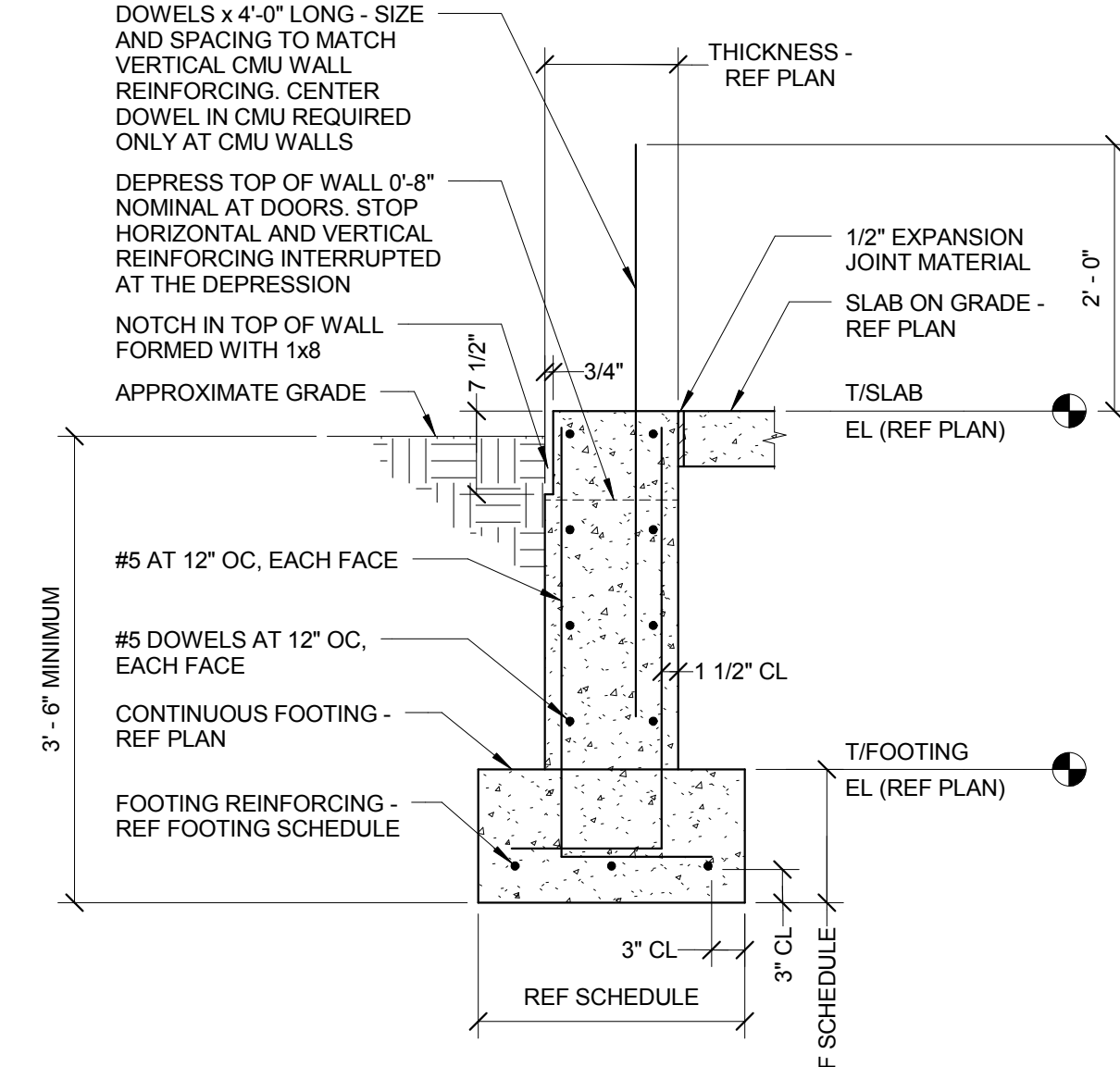
**4 SECOND FLOOR FRAMING PLAN - ALT BID 1**  
 1/8" = 1'-0"  
 NOTES:  
 1. REFER TO S1.21 TO S1.23 FOR FRAMING INFORMATION. THIS PLAN IS FOR ALTERNATE BID.  
 KEYNOTES:  
 (1) 1 1/2" (20 GA) STEEL ROOF DECK, DECK BEARING EL (+ 13' - 5 1/2"). CONNECT DECK PER KEYNOTE 2 ON S1.21.



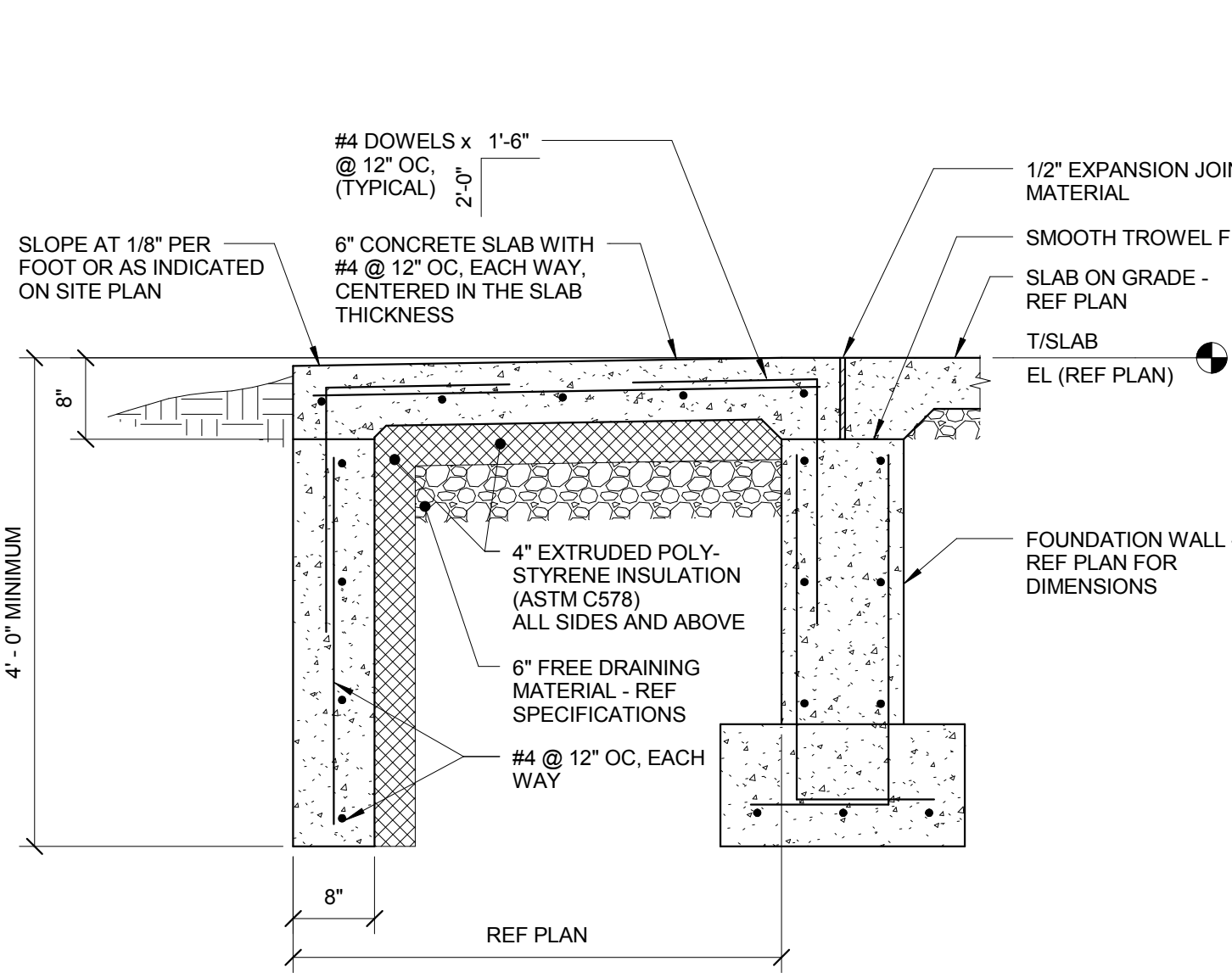
**6 SECOND FLOOR FRAMING PLAN - ALT BID 3**  
 1/8" = 1'-0"  
 NOTES:  
 1. REFER TO S1.21 TO S1.23 FOR FRAMING INFORMATION. THIS PLAN IS FOR ALTERNATE BID.  
 KEYNOTES:  
 (1) 1 1/2" (20 GA) STEEL ROOF DECK, DECK BEARING EL (+ 13' - 5 1/2"). CONNECT DECK PER KEYNOTE 2 ON S1.21.

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14044.00  
 DESIGN FIRM REGISTRATION #18-00973  
 © 2015 KJWW, P.C.

NO.	DESCRIPTION:	DATE:

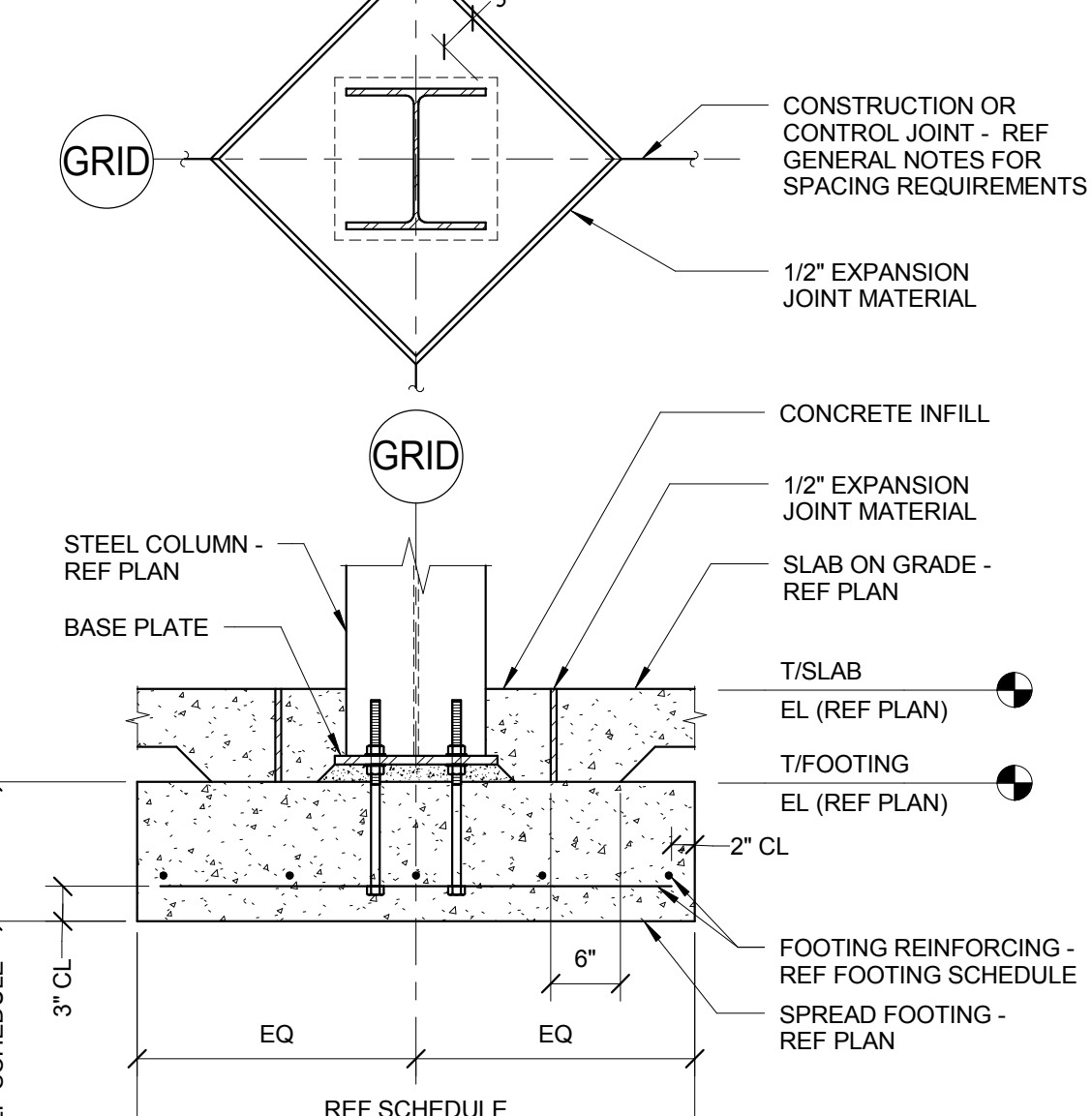


**1 TYPICAL FOUNDATION WALL**  
 3/4" = 1'-0"

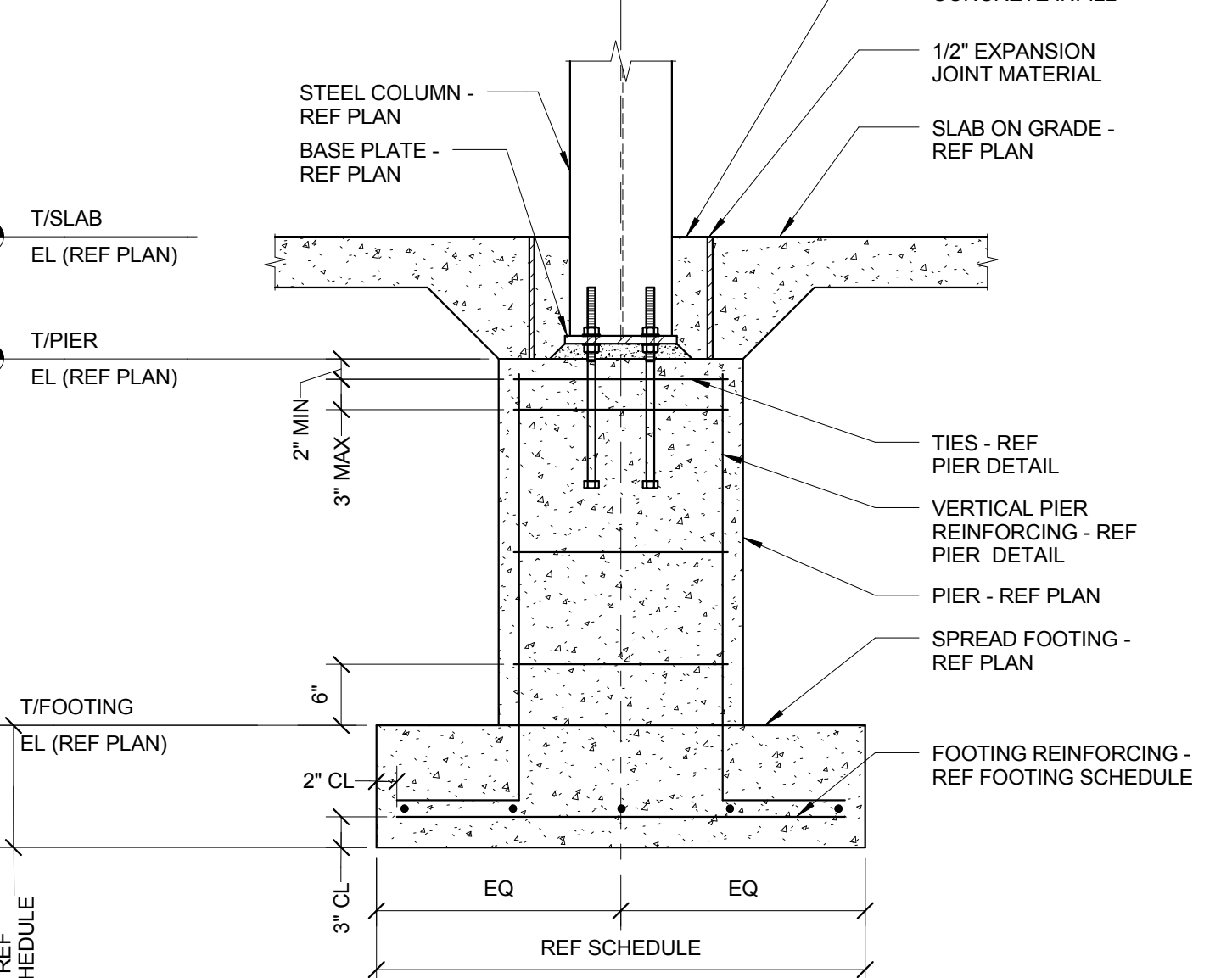


**2 TYPICAL STOOP SECTION**  
 3/4" = 1'-0"

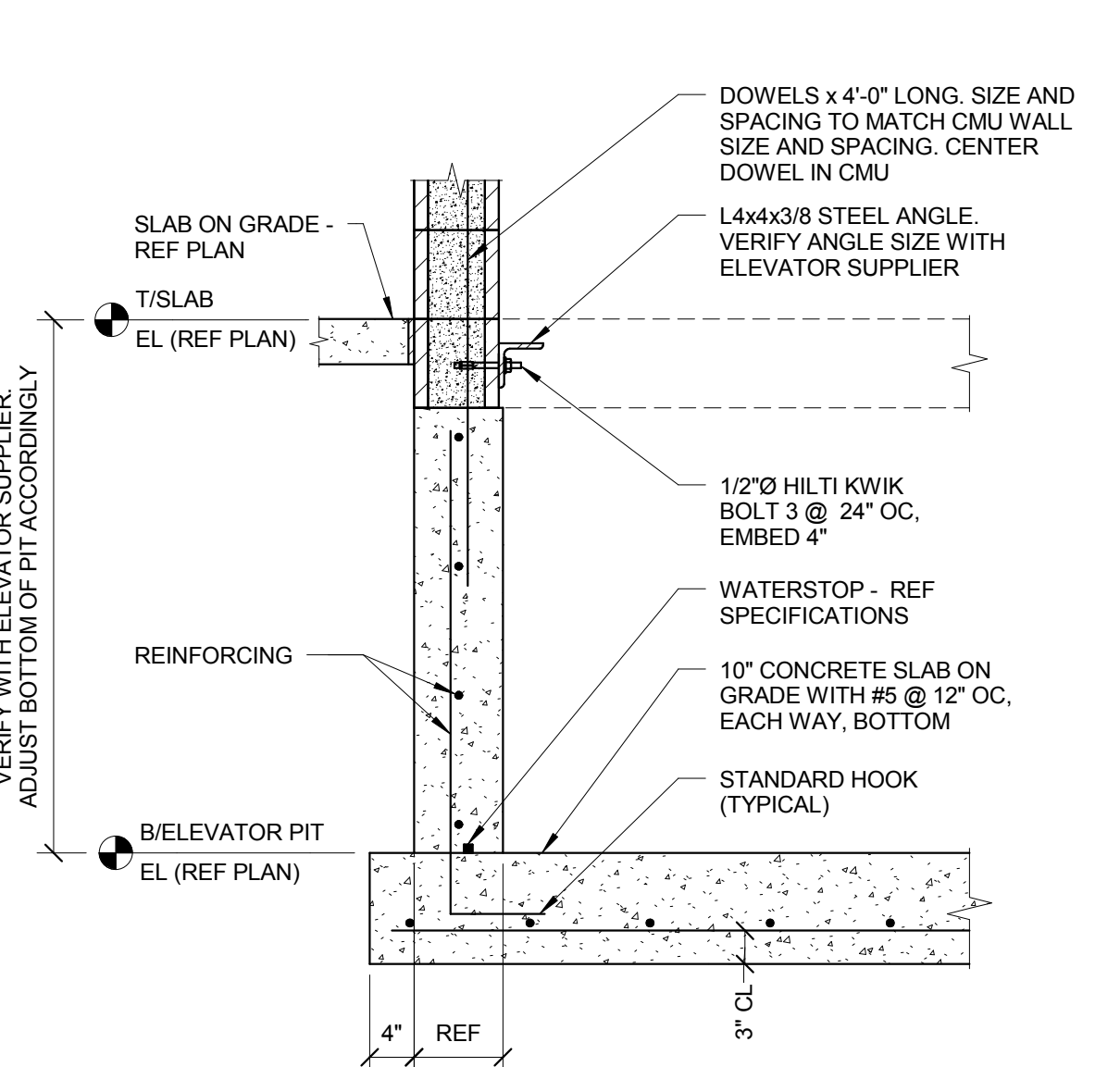
- NOTES:  
 1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT STOOP LAYOUT AND LOCATIONS.  
 2. REFER TO TYPICAL FOUNDATION WALL DETAIL FOR INFORMATION NOT SHOWN.  
 3. REFER TO 1/S3.00 FOR INFORMATION NOT SHOWN.



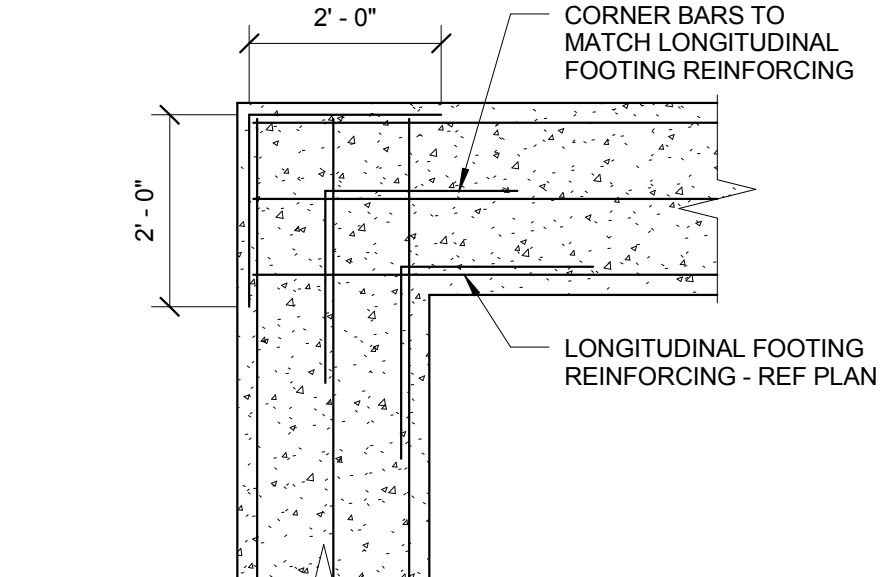
**3 TYPICAL SPREAD FOOTING**  
 3/4" = 1'-0"



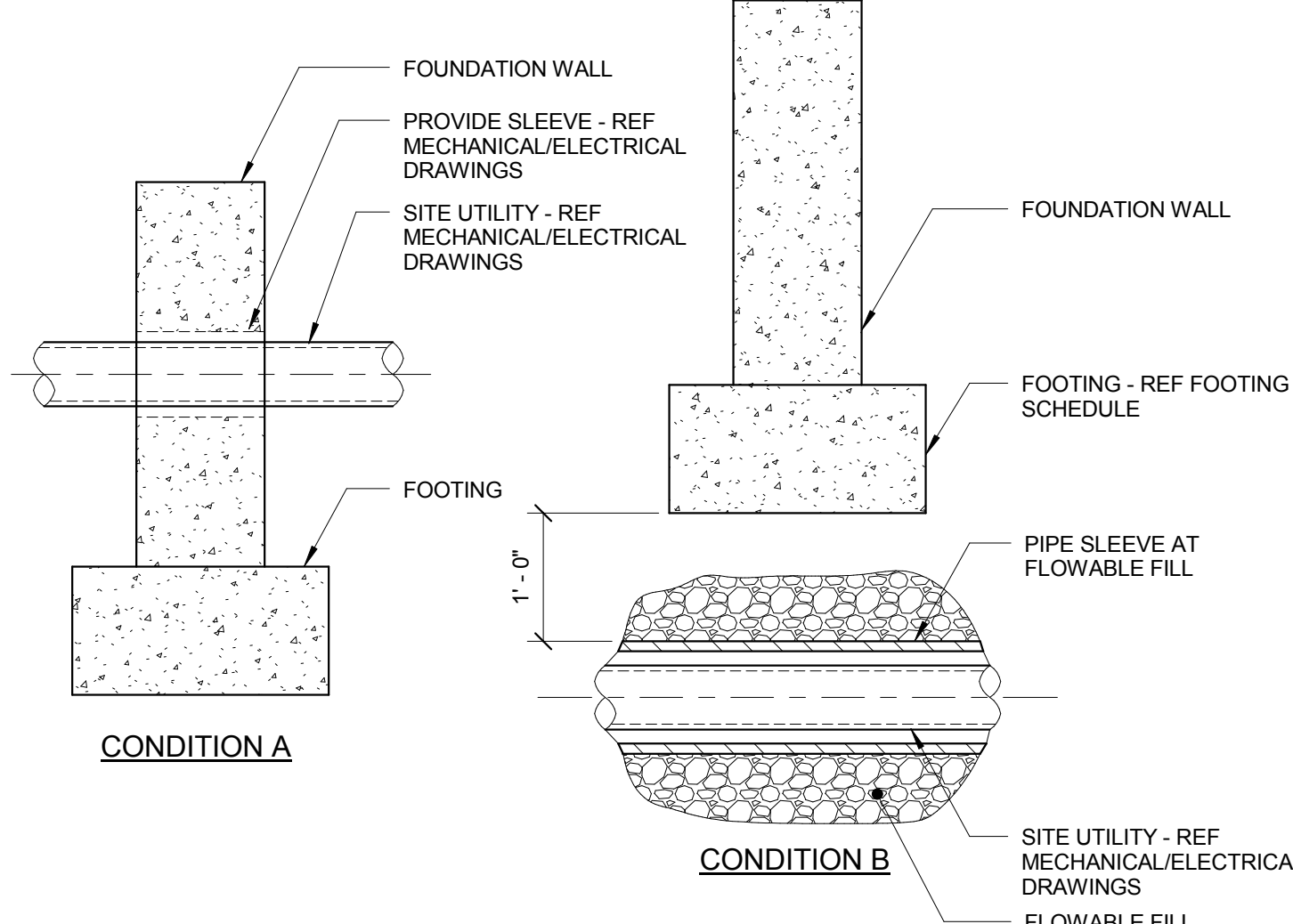
**4 TYPICAL SPREAD FOOTING WITH PIER**  
 3/4" = 1'-0"



**5 ELEVATOR PIT SECTION**  
 3/4" = 1'-0"

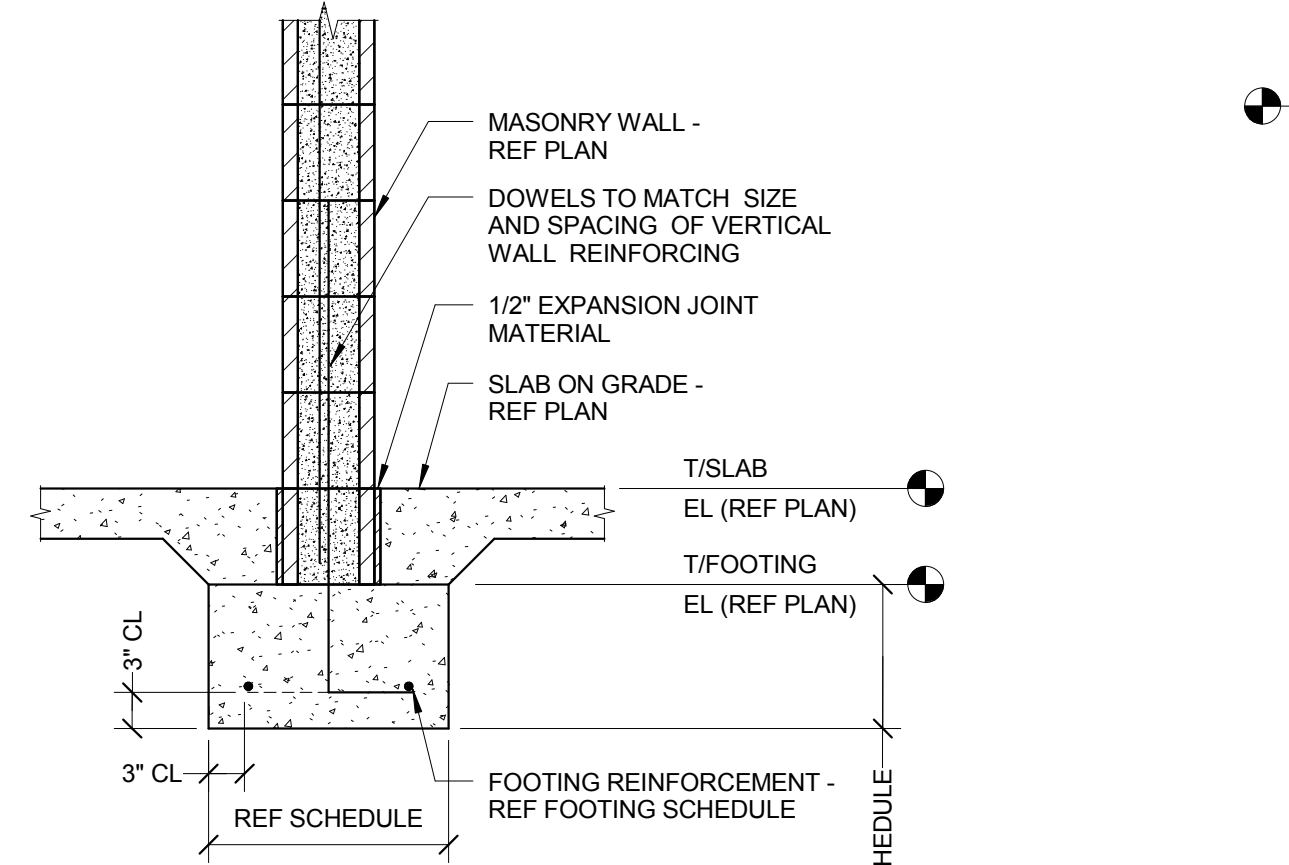


**6 TYPICAL FOOTING CORNER BARS**  
 1/2" = 1'-0"

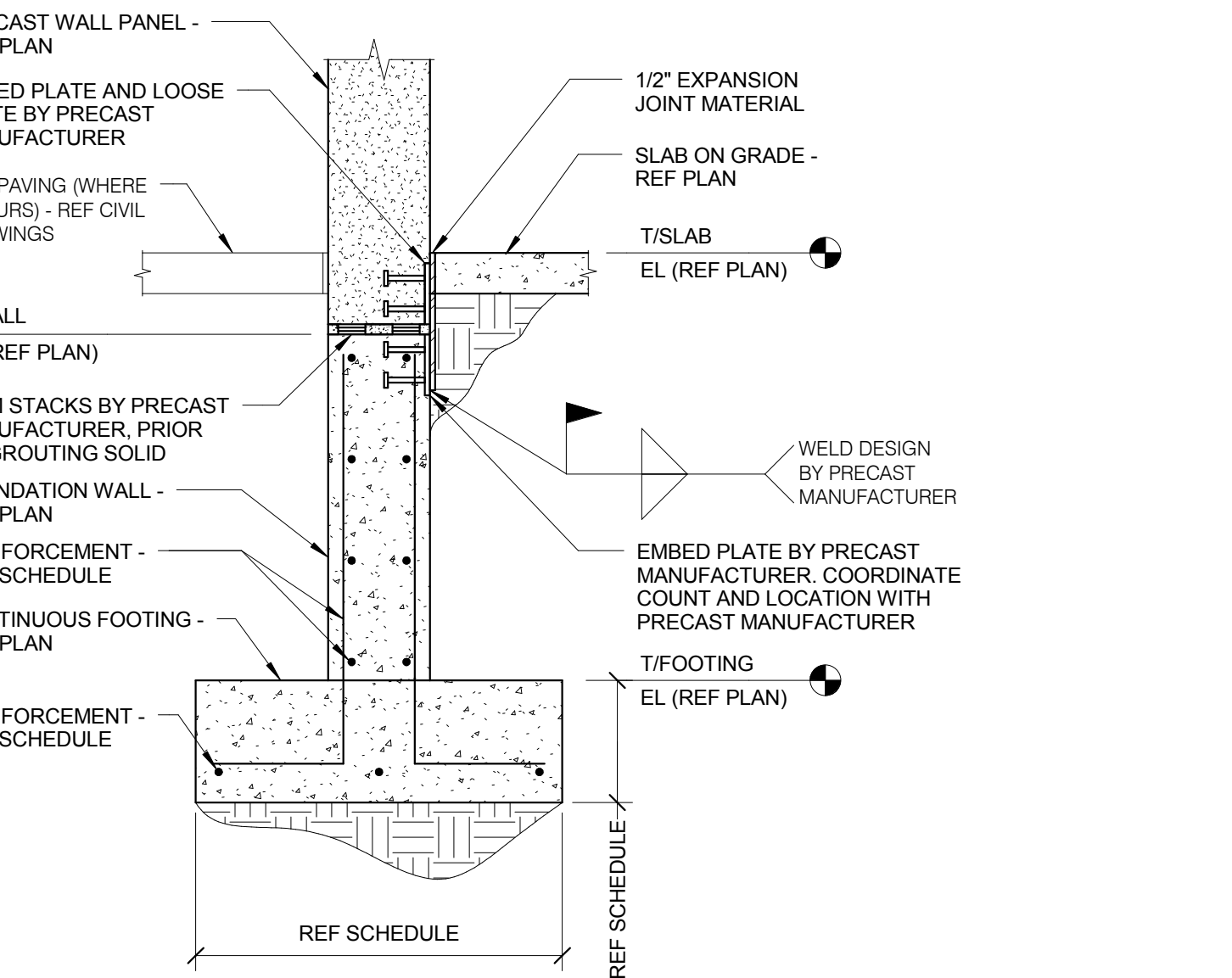


**7 TYPICAL FOUNDATION DETAILS AT SITE UTILITIES**  
 3/4" = 1'-0"

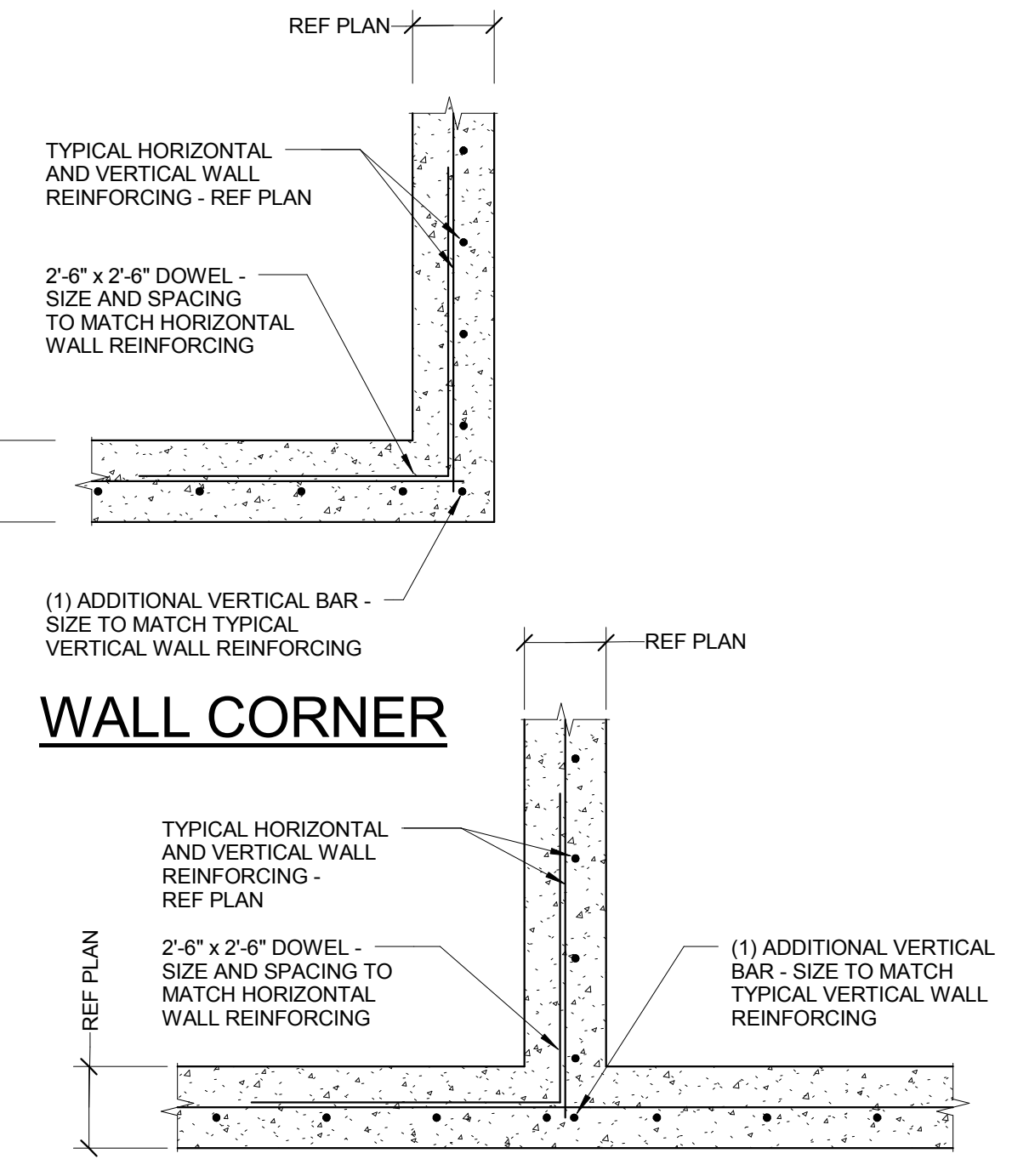
- NOTES:  
 1. REFERENCE MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL LOCATIONS, ELEVATIONS, ETC., OF SITE UTILITIES.  
 2. DETAIL REQUIRED AT ALL UTILITIES HAVING A PLAN WIDTH UP TO 3'-0" FOR WIDTHS GREATER THAN 3'-0", REFERENCE PLAN FOR REQUIRED DETAIL.  
 3. CONDITION B DOES NOT APPLY AT SPREAD FOOTING SITUATIONS. GENERAL CONTRACTOR SHALL NOTIFY ENGINEER SHOULD SUCH A CONDITION ARISE AND AWAIT FURTHER INSTRUCTIONS.



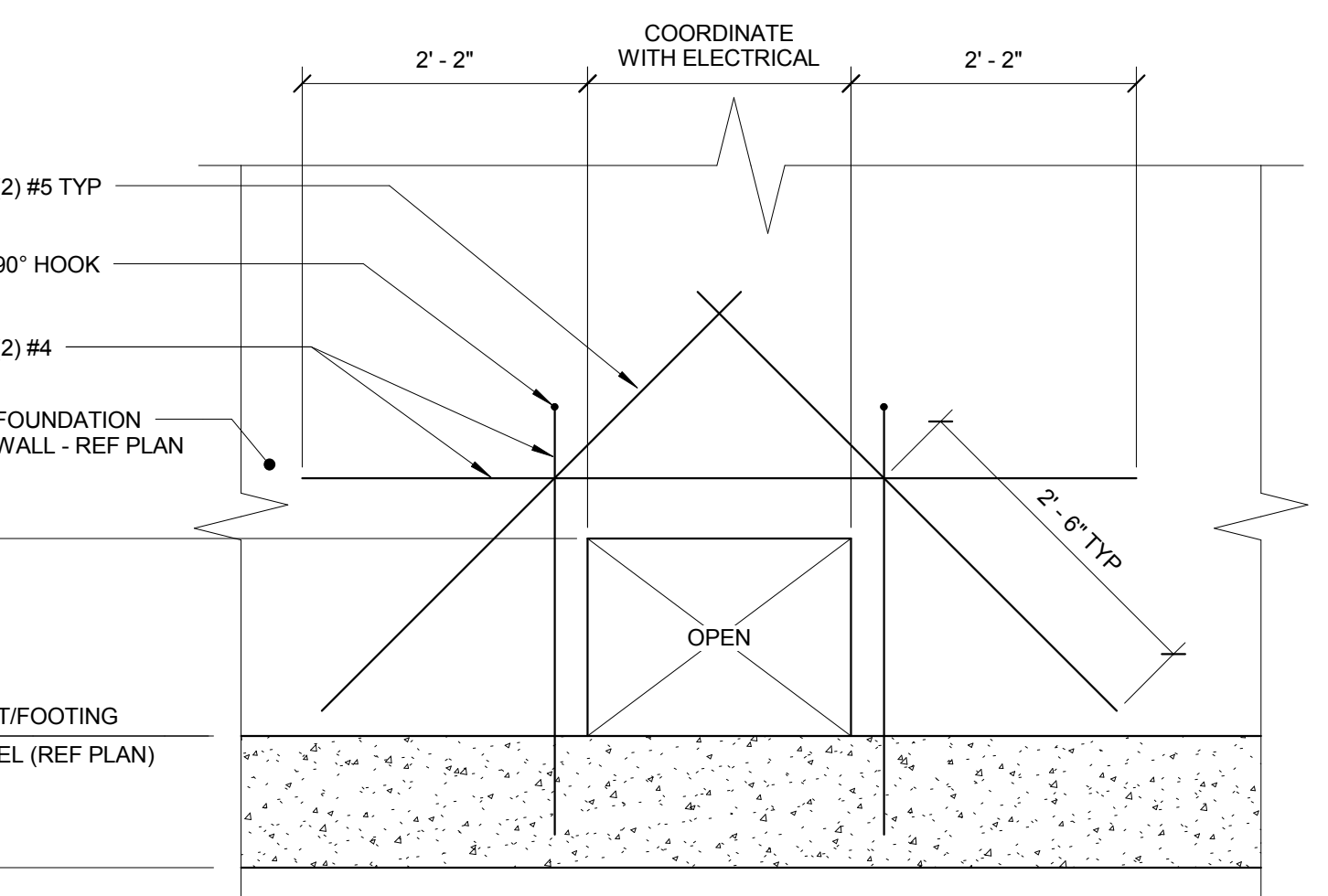
**8 TYPICAL SECTION AT MASONRY WALL FOOTING**  
 3/4" = 1'-0"



**9 TYPICAL FOOTING AT EXTERIOR PRECAST WALL PANEL AT FOUNDATION WALL**  
 3/4" = 1'-0"

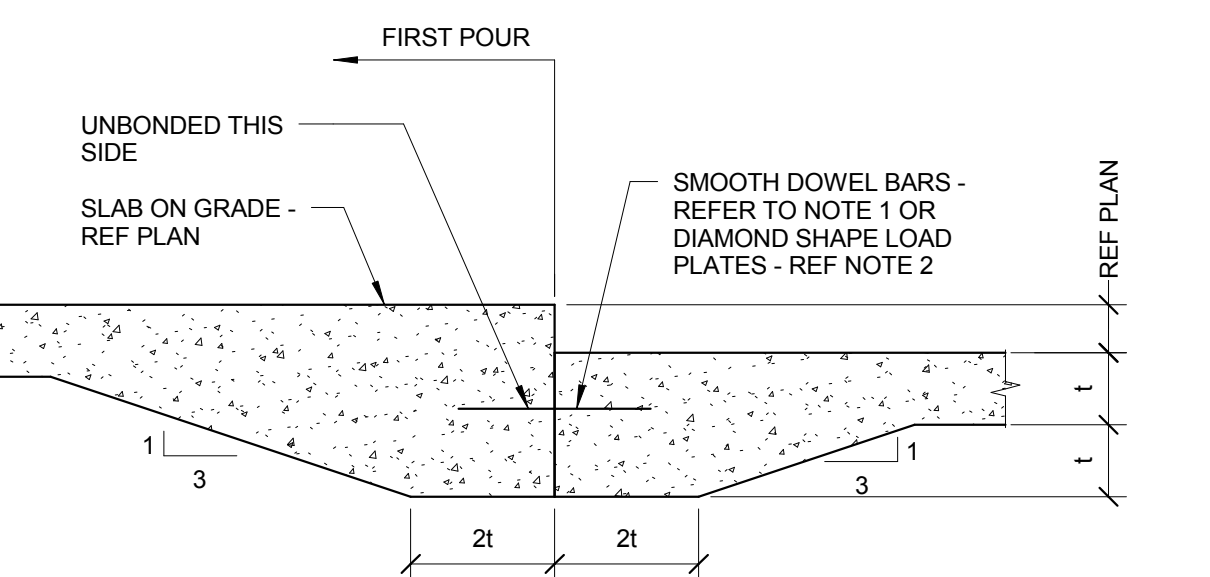


**10 TYPICAL CONCRETE WALL DETAIL**  
 3/4" = 1'-0"



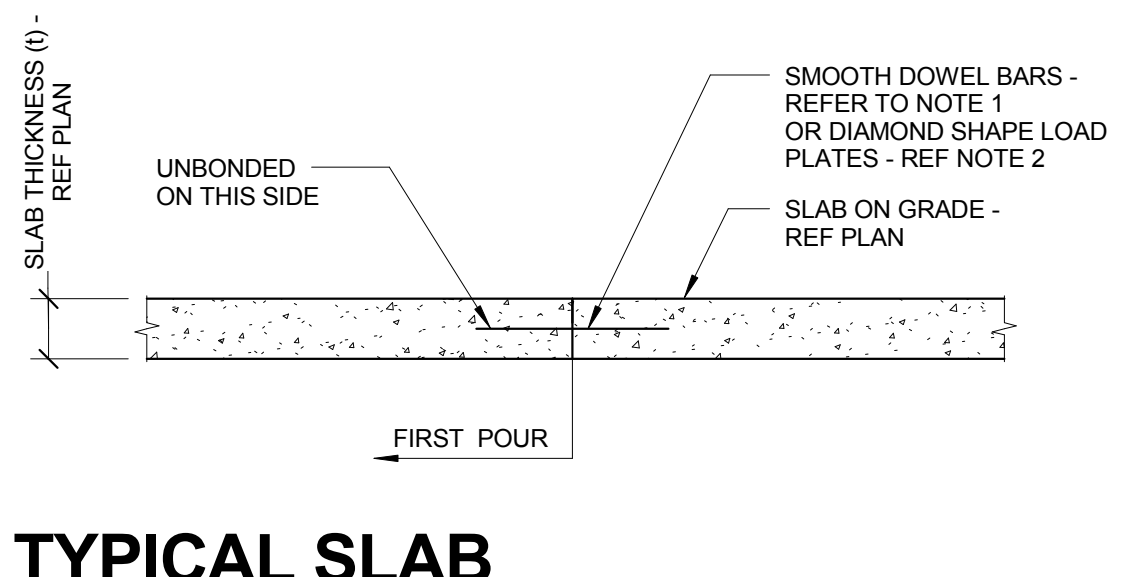
**11 OPENING AT DUCTBANK**  
 3/4" = 1'-0"

- NOTES:  
 1. OPENING IS TO BE PLACED IN FOUNDATION WALL, NOT THROUGH FOOTING.  
 2. TYPICAL REINFORCING NOT SHOWN FOR CLARITY.  
 3. PROVIDE WATERSTOP AROUND OPENING.



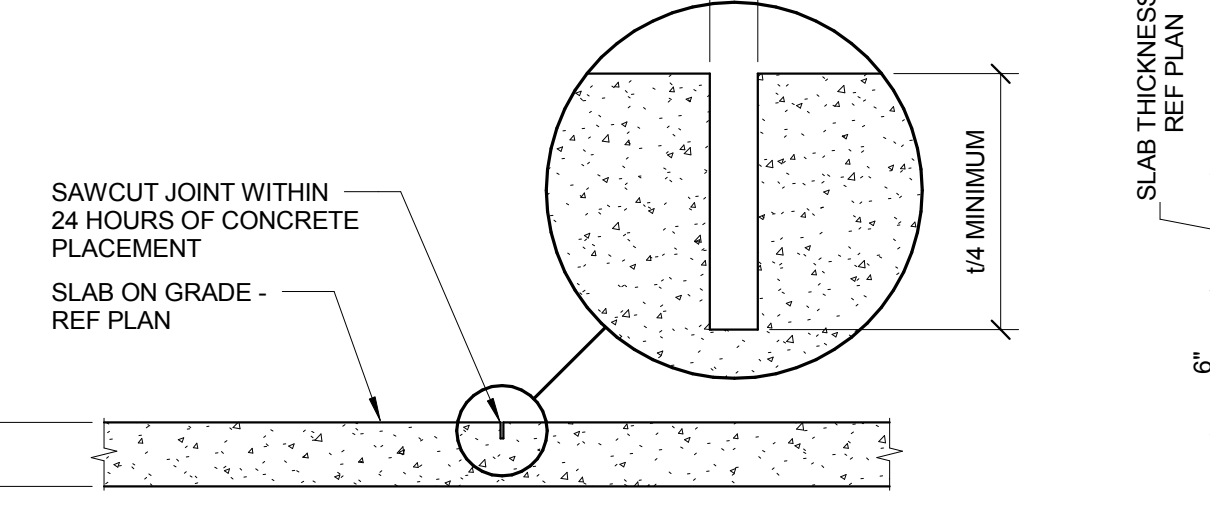
**12 TYPICAL DEPRESSED SLAB**  
 3/4" = 1'-0"

- NOTES:  
 1. WHEN T IS 4" USE 1/2"x3" x 1'-4" SMOOTH DOWEL BARS AT 18" OC. WHEN T IS 5" USE 3/4"x3" x 1'-2" SMOOTH DOWEL BARS AT 12" OC.  
 2. WHEN T IS 4" TO 6" USE 1/4"x4" 1/2"x4" DIAMOND LOAD PLATES AT 18" OC.

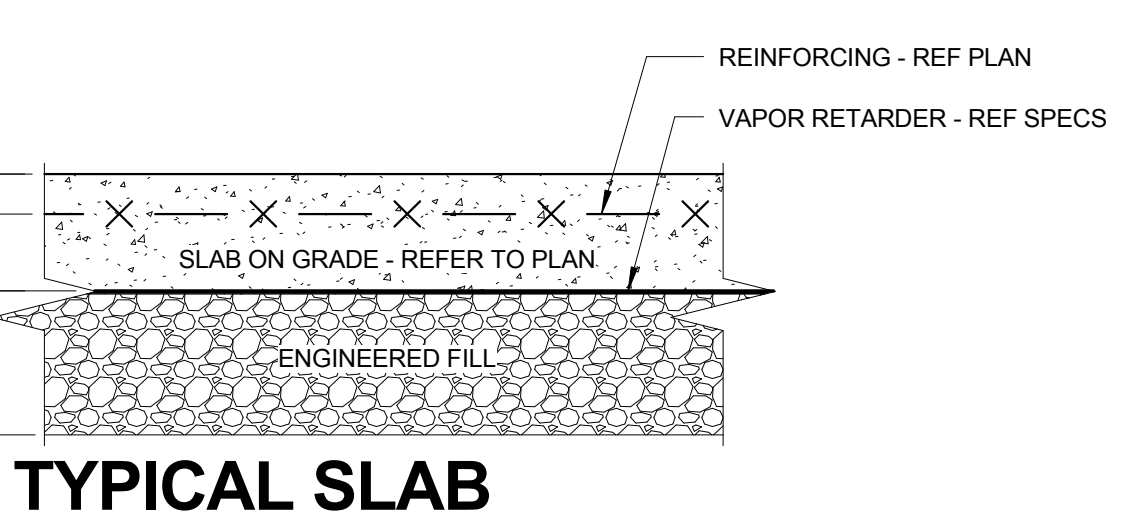


**14 TYPICAL SLAB CONSTRUCTION JOINT**  
 3/4" = 1'-0"

- NOTES:  
 1. WHEN T IS 4" USE 1/2"x3" x 1'-4" SMOOTH DOWEL BARS AT 18" OC. WHEN T IS 5" USE 3/4"x3" x 1'-2" SMOOTH DOWEL BARS AT 12" OC.  
 2. USE 1/4"x4" 1/2"x4" DIAMOND LOAD PLATES AT 18" OC.

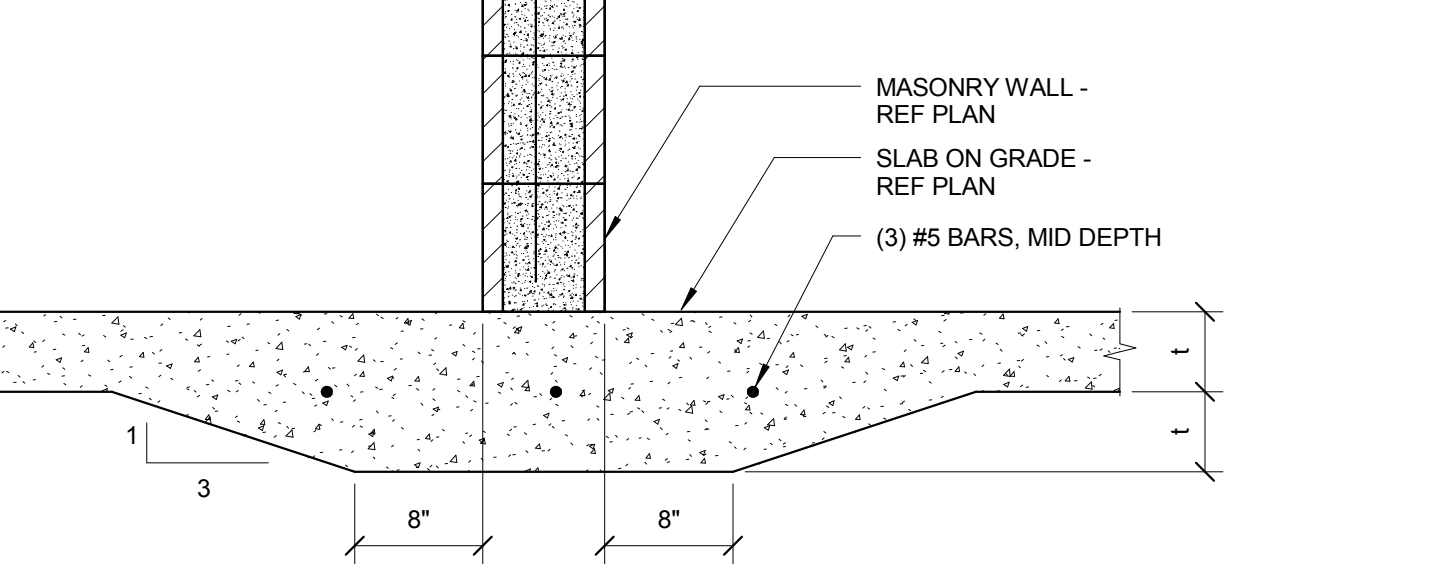


**13 TYPICAL SLAB ON GRADE CONTROL JOINT**  
 1" = 1'-0"



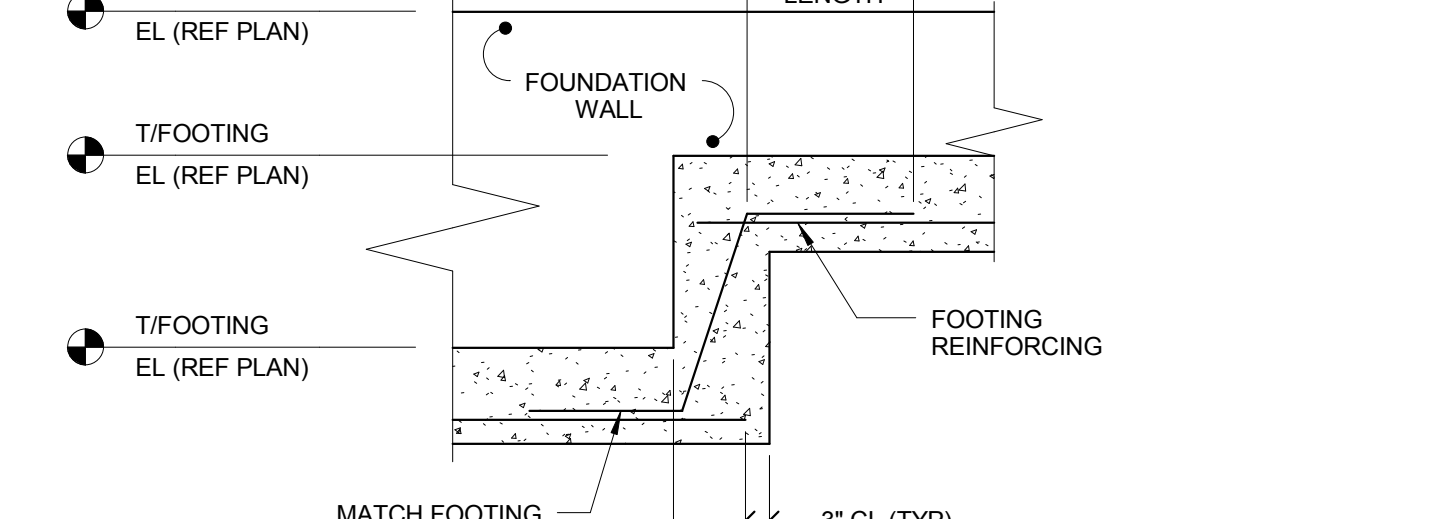
**15 TYPICAL SLAB ON GRADE SECTION**  
 1 1/2" = 1'-0"

- NOTES:  
 1. REFERENCE SPECIFICATIONS FOR MATERIAL AND COMPACTION REQUIREMENTS.



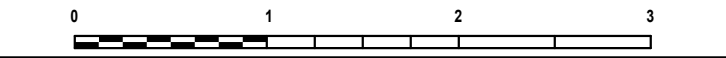
**16 NON-BEARING WALL DETAIL**  
 1" = 1'-0"

- NOTES:  
 1. TO BE USED AT INTERIOR, NON-STRUCTURAL WALLS BRACED AT TOP OF THE WALL.



**17 TYPICAL FOOTING STEP**  
 1/2" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14044-00  
 BRIDGE Design Firm Registration #18-06973  
 KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. THIS DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.







ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 7-17-15

**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

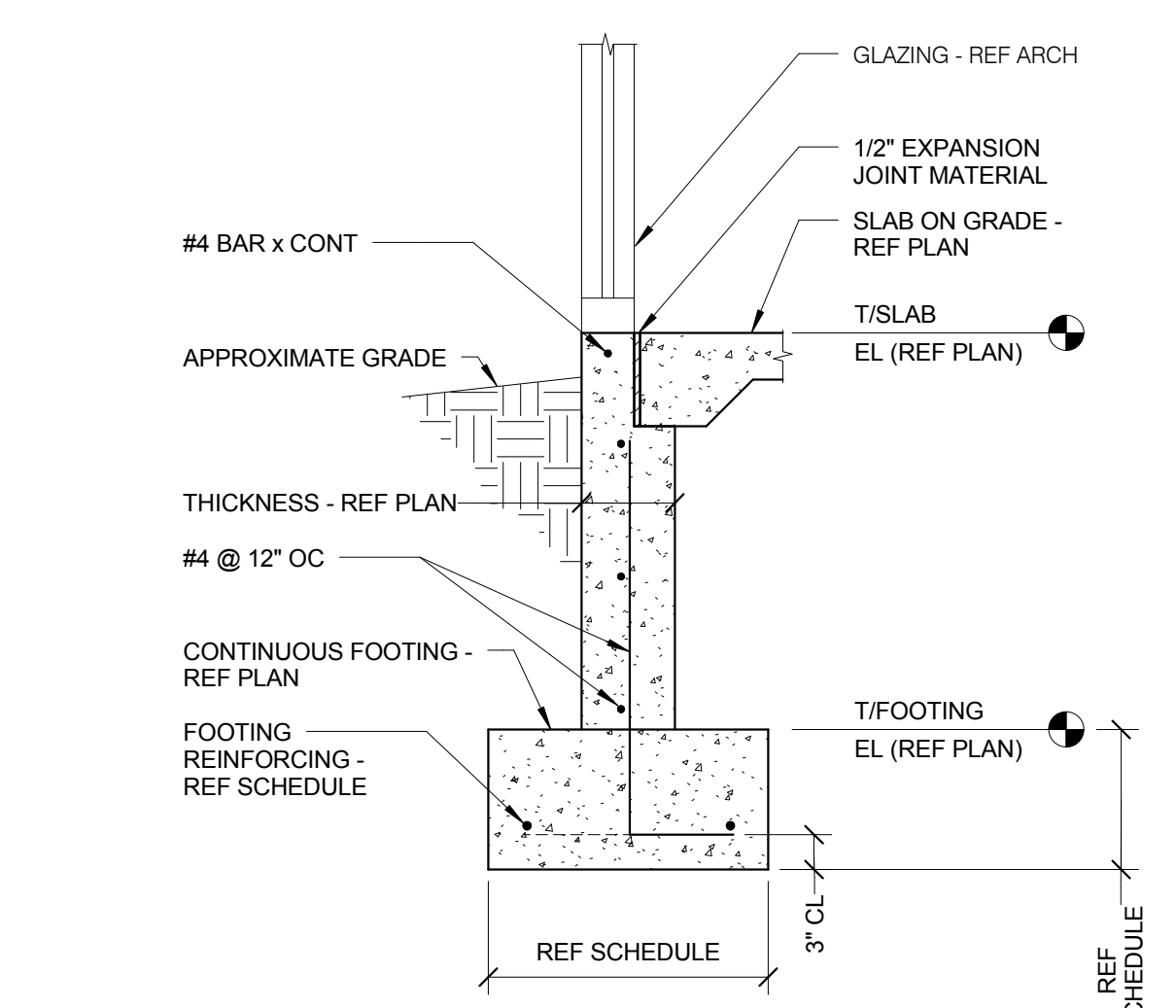
SHEET TITLE:  
**FOUNDATION  
 DETAILS**

SHEET NUMBER:  
**S3.01**

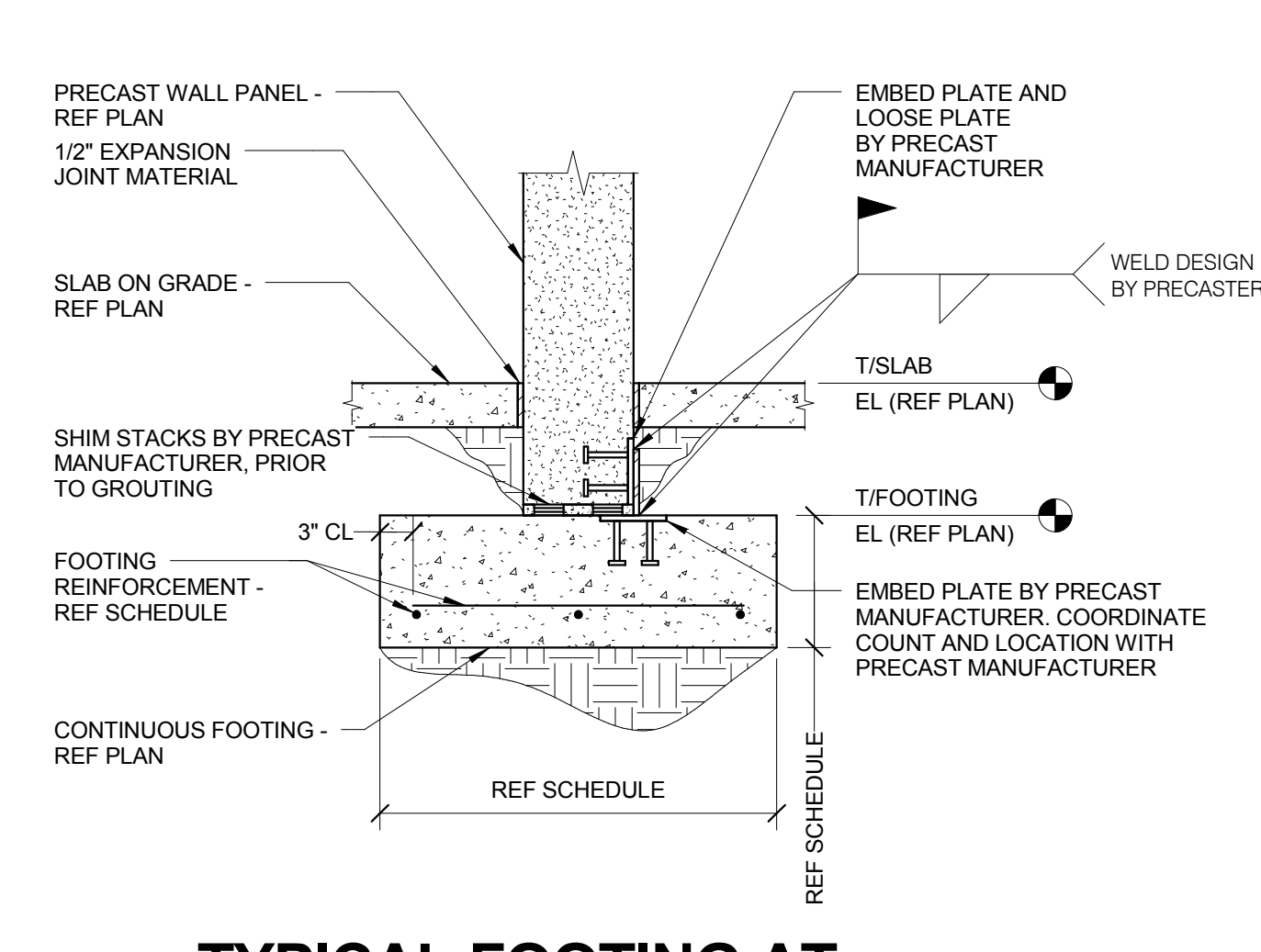
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 THE FUTURE IS SMARTER!  
 PROJECT # 14044.00  
 Illinois Design Firm Registration #18-08973

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

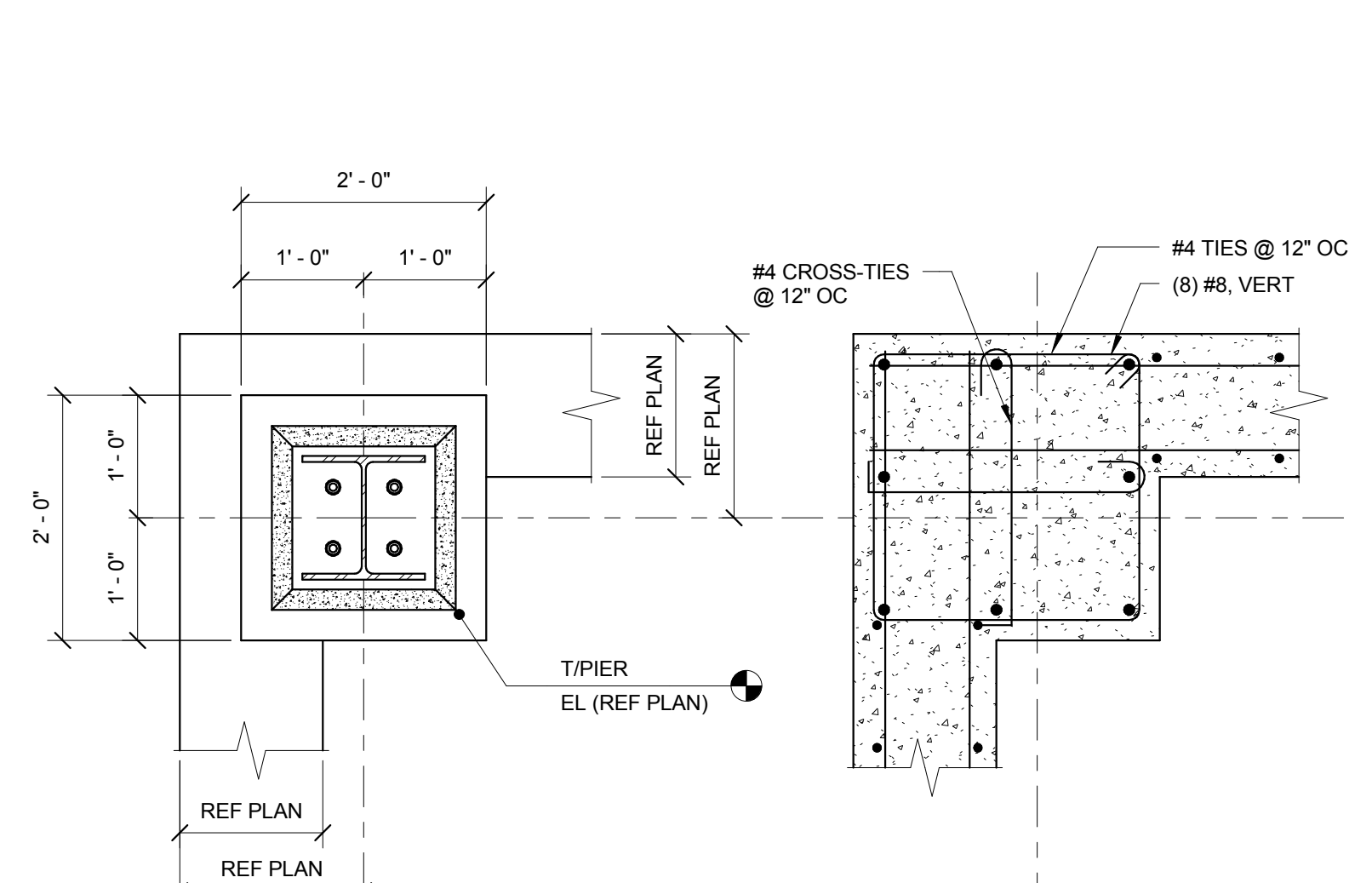
REFERENCE SCALE IN INCHES  
 0 1 2 3



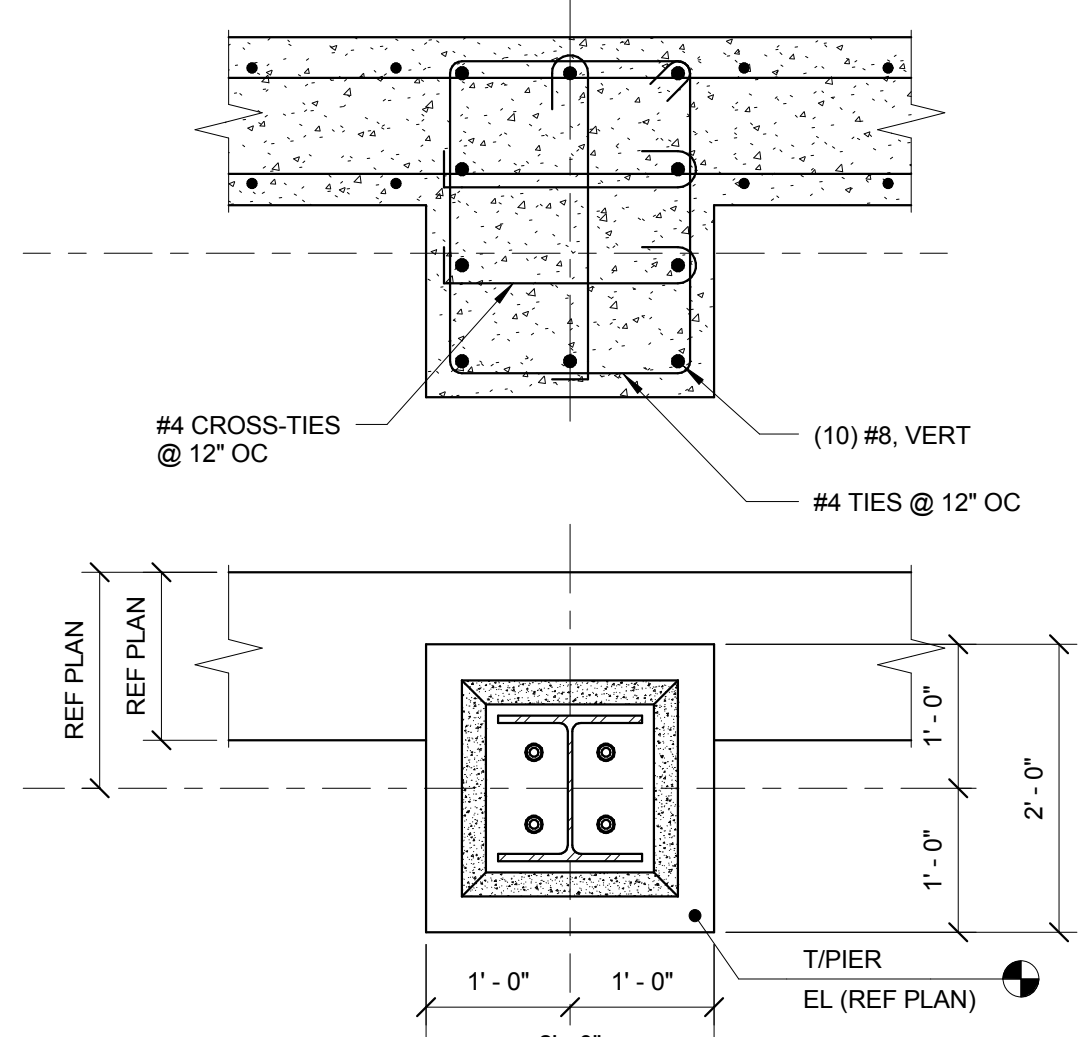
**5 TYPICAL FOUNDATION WALL**  
 3/4" = 1'-0"



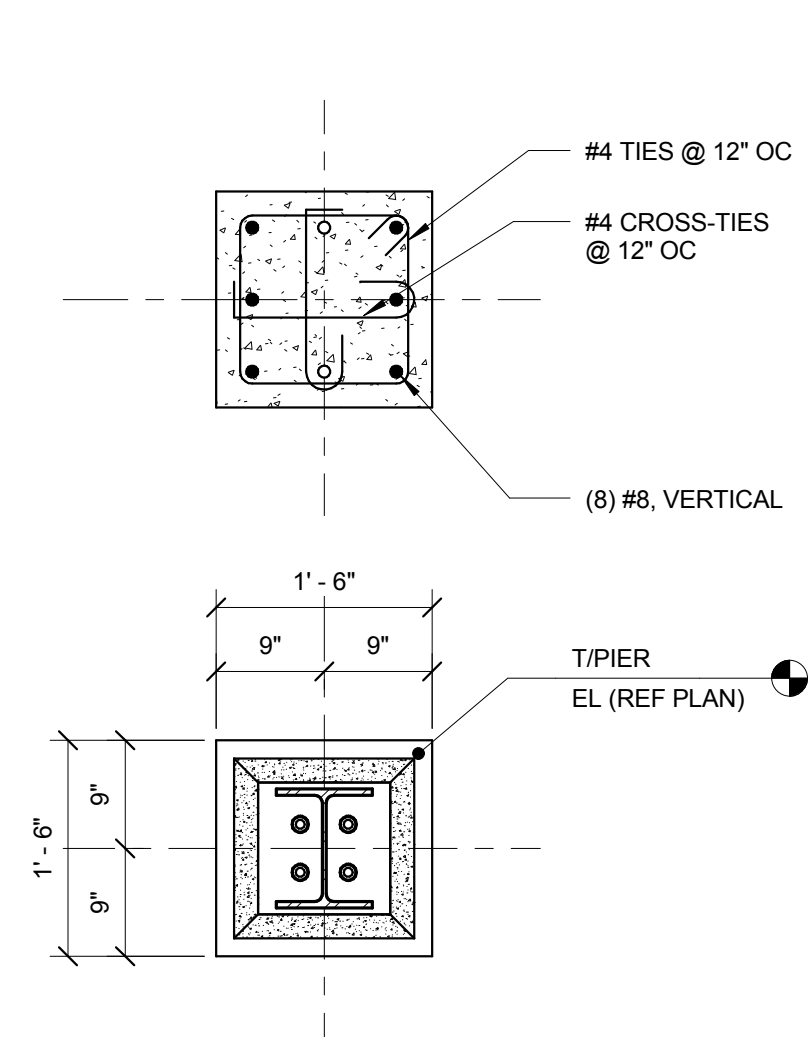
**4 TYPICAL FOOTING AT INTERIOR PRECAST WALL PANEL**  
 3/4" = 1'-0"  
 NOTES:  
 1. AT SIM LOCATIONS FIELDHOUSE SLAB ELEVATION VARIES, REFER TO PLAN



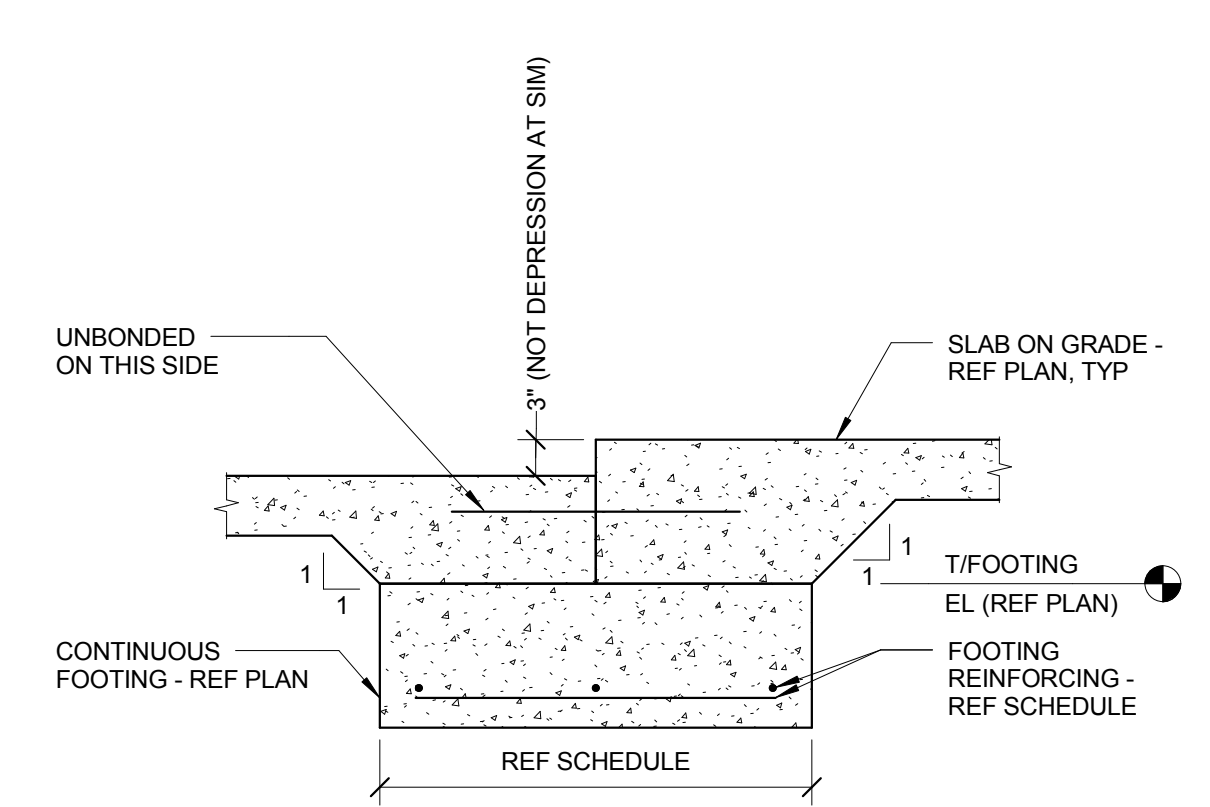
**3 PIER (P3) DETAIL**  
 3/4" = 1'-0"



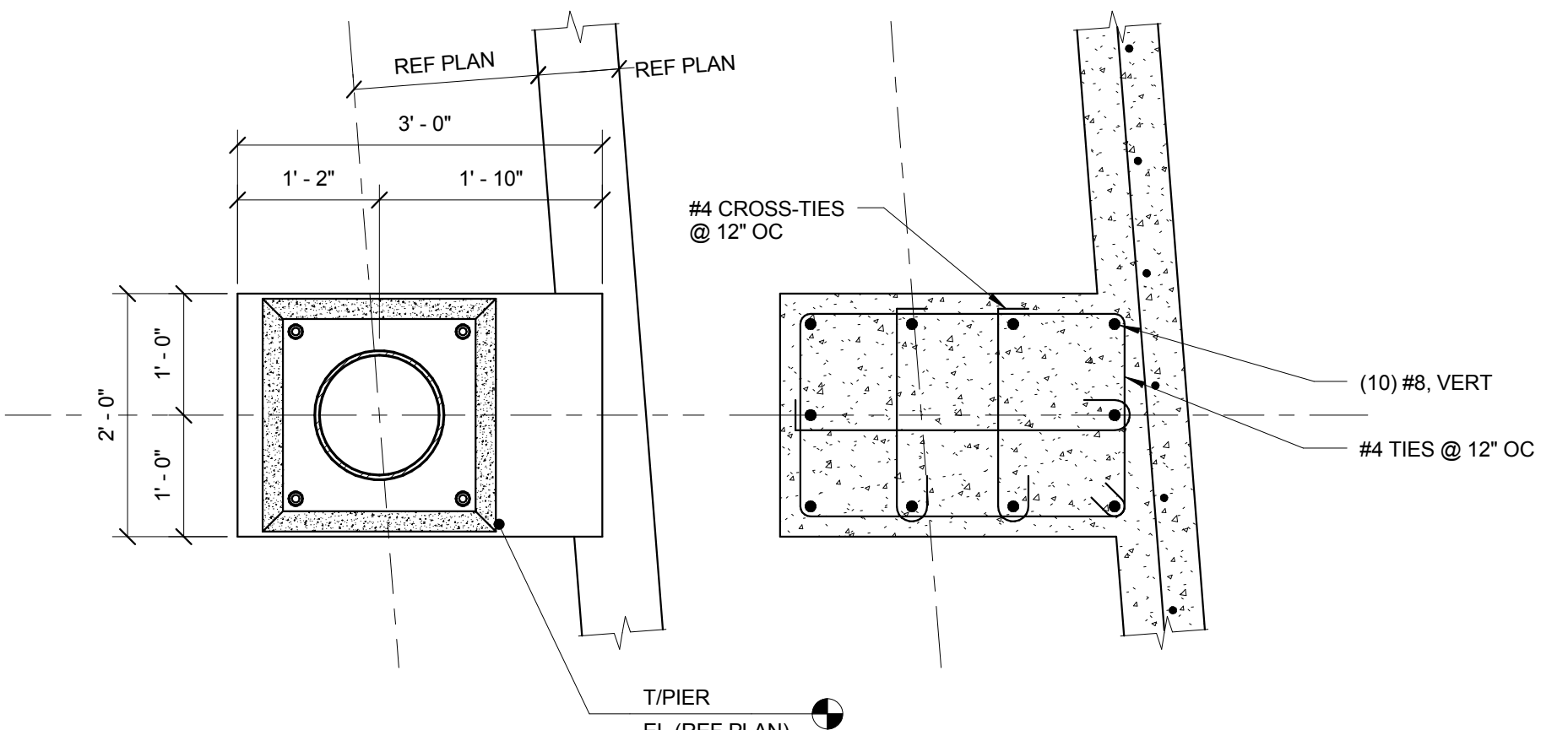
**2 PIER (P2) DETAIL**  
 3/4" = 1'-0"



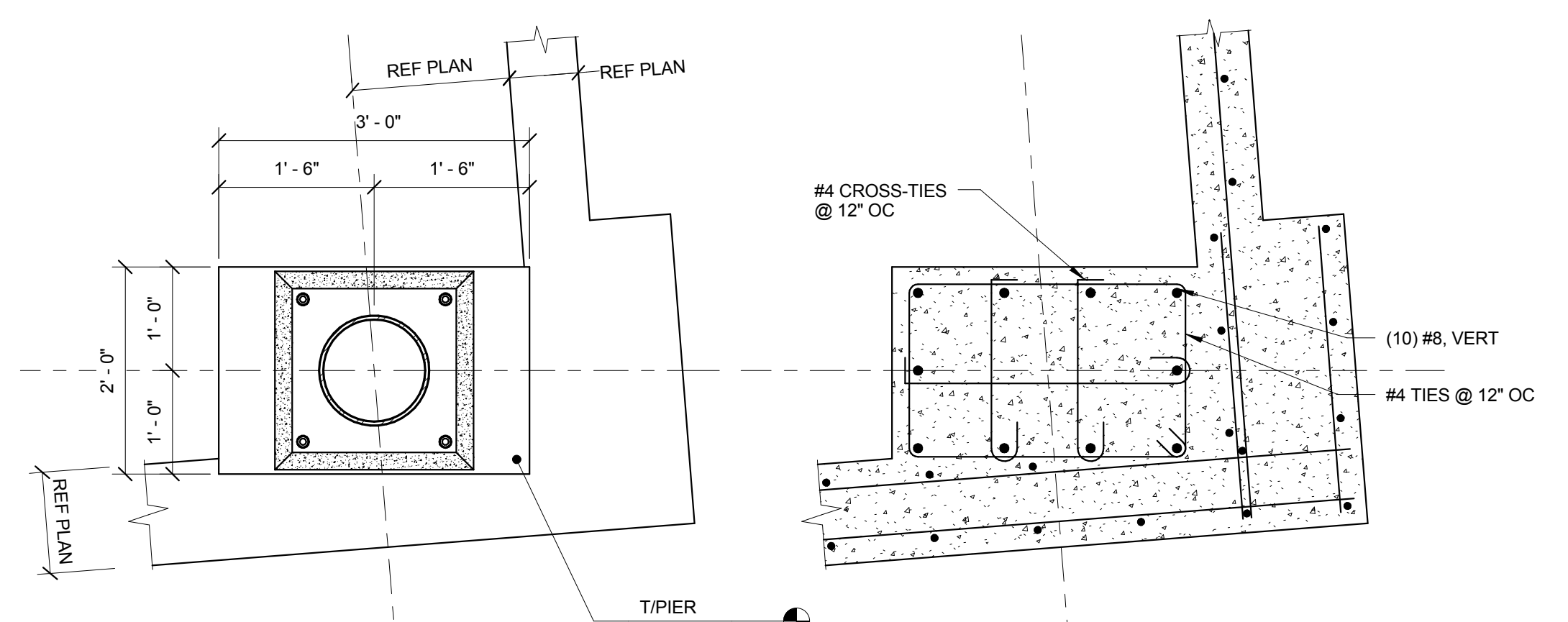
**1 PIER (P1) DETAIL**  
 3/4" = 1'-0"



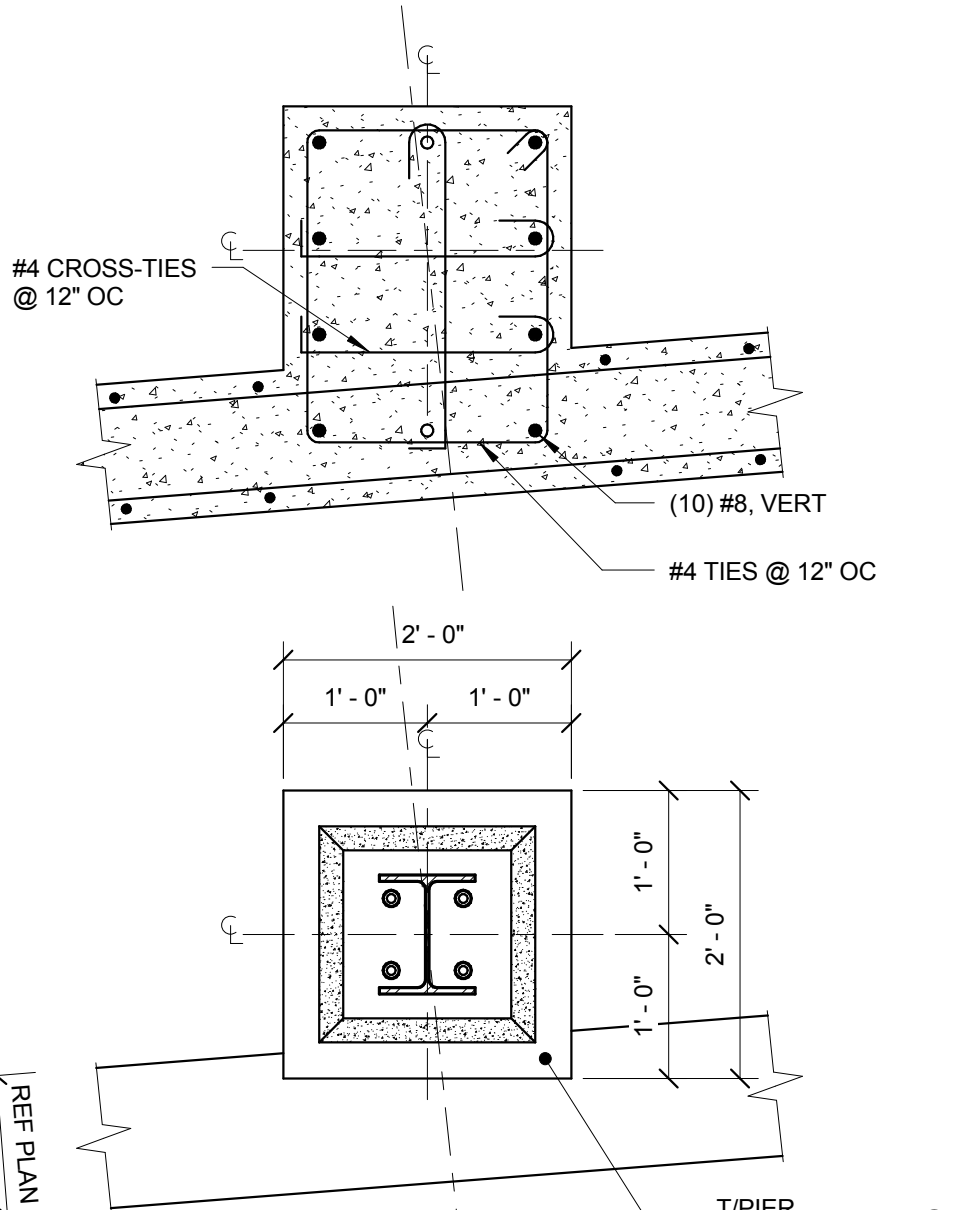
**9 SLAB JOINT AT FIELDHOUSE**  
 3/4" = 1'-0"



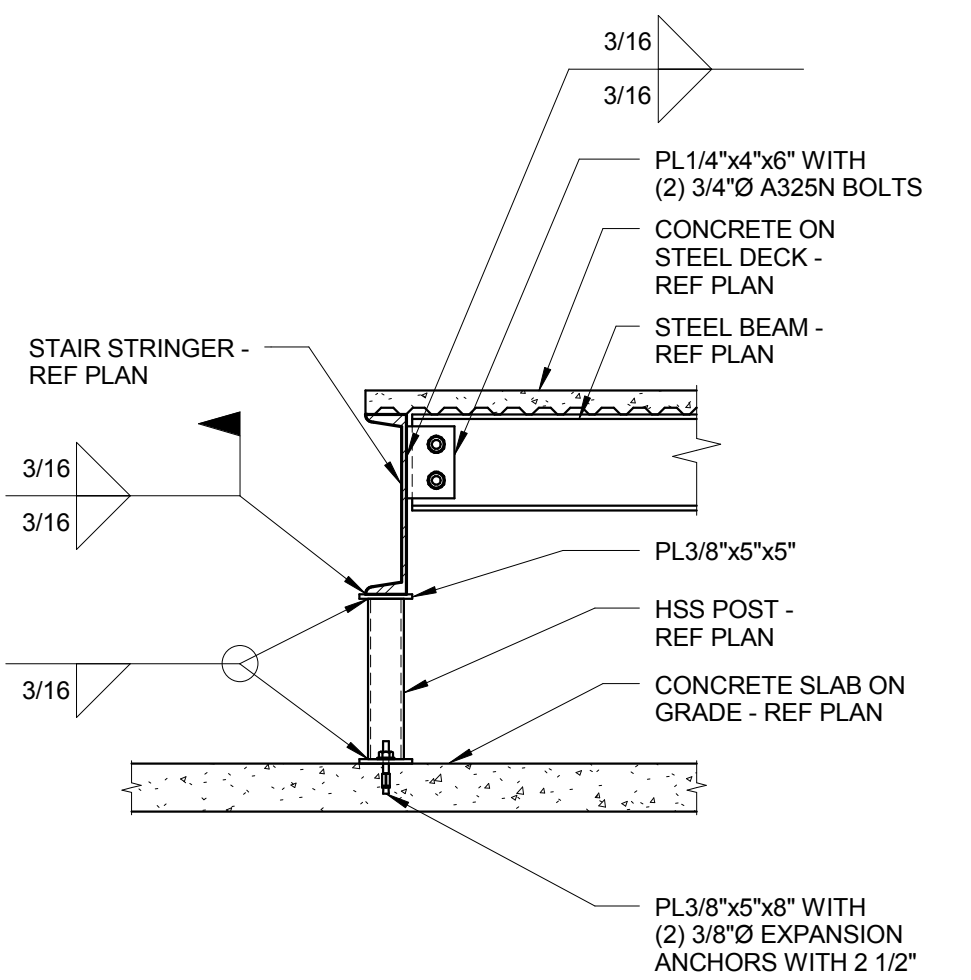
**8 PIER (P6) DETAIL**  
 3/4" = 1'-0"



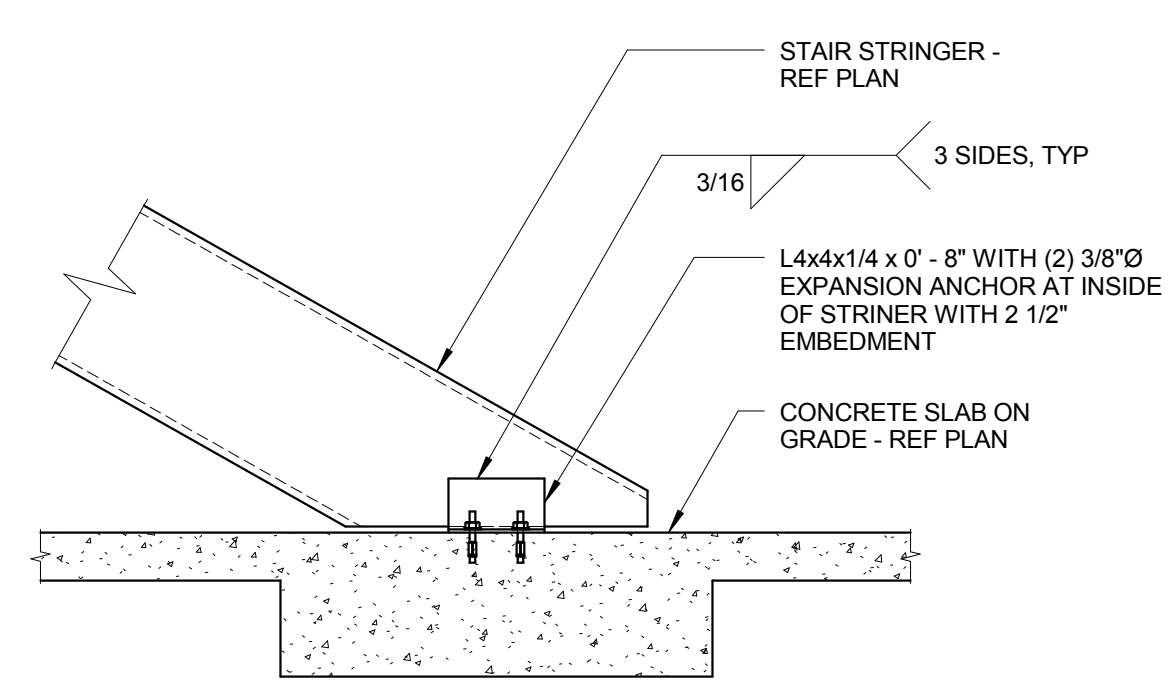
**7 PIER (P5) DETAIL**  
 3/4" = 1'-0"



**6 PIER (P4) DETAIL**  
 3/4" = 1'-0"



**11 STAIR LANDING SUPPORT DETAIL**  
 3/4" = 1'-0"



**10 STAIR STRINGER BASE DETAIL**  
 3/4" = 1'-0"

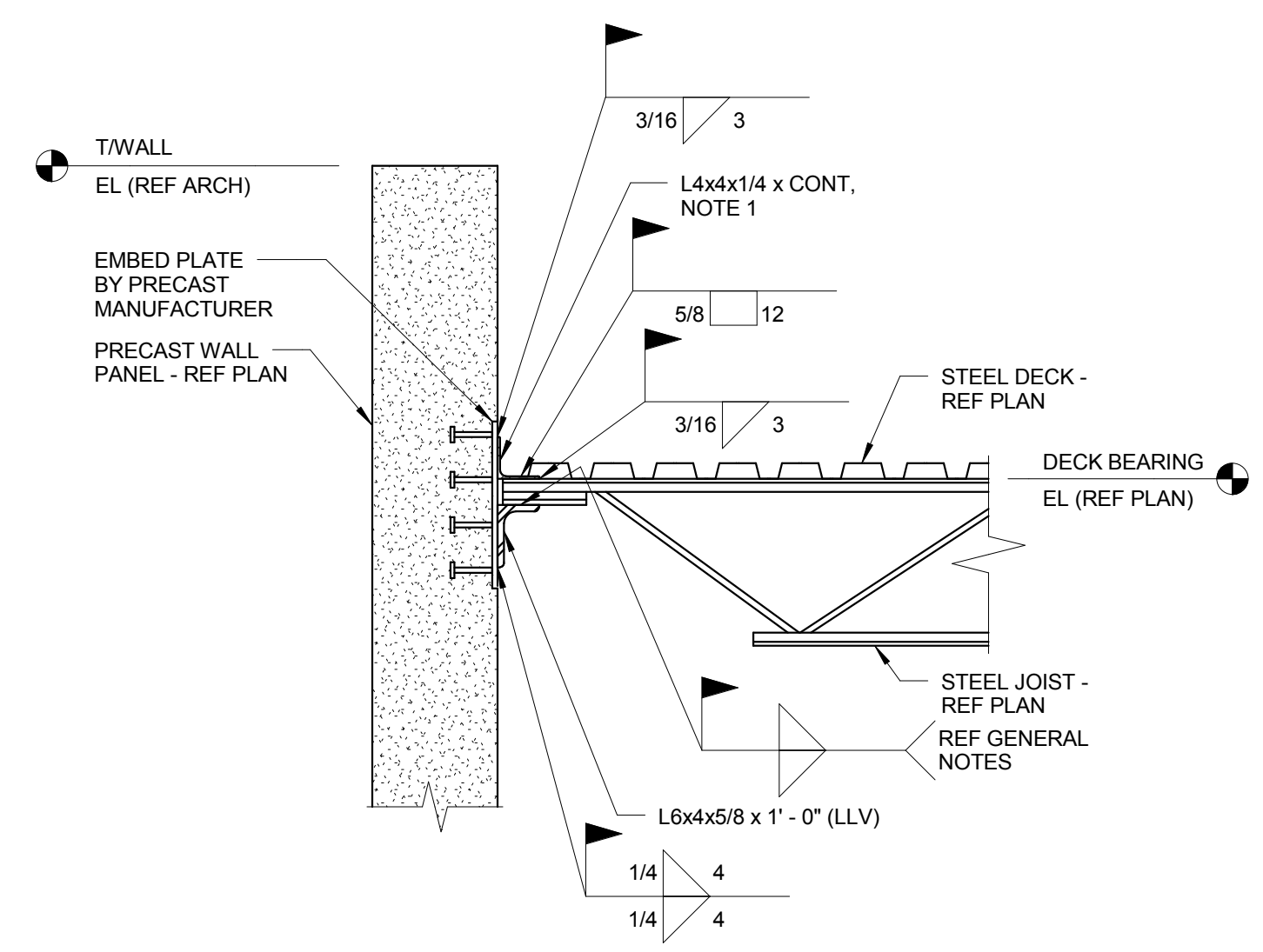


ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

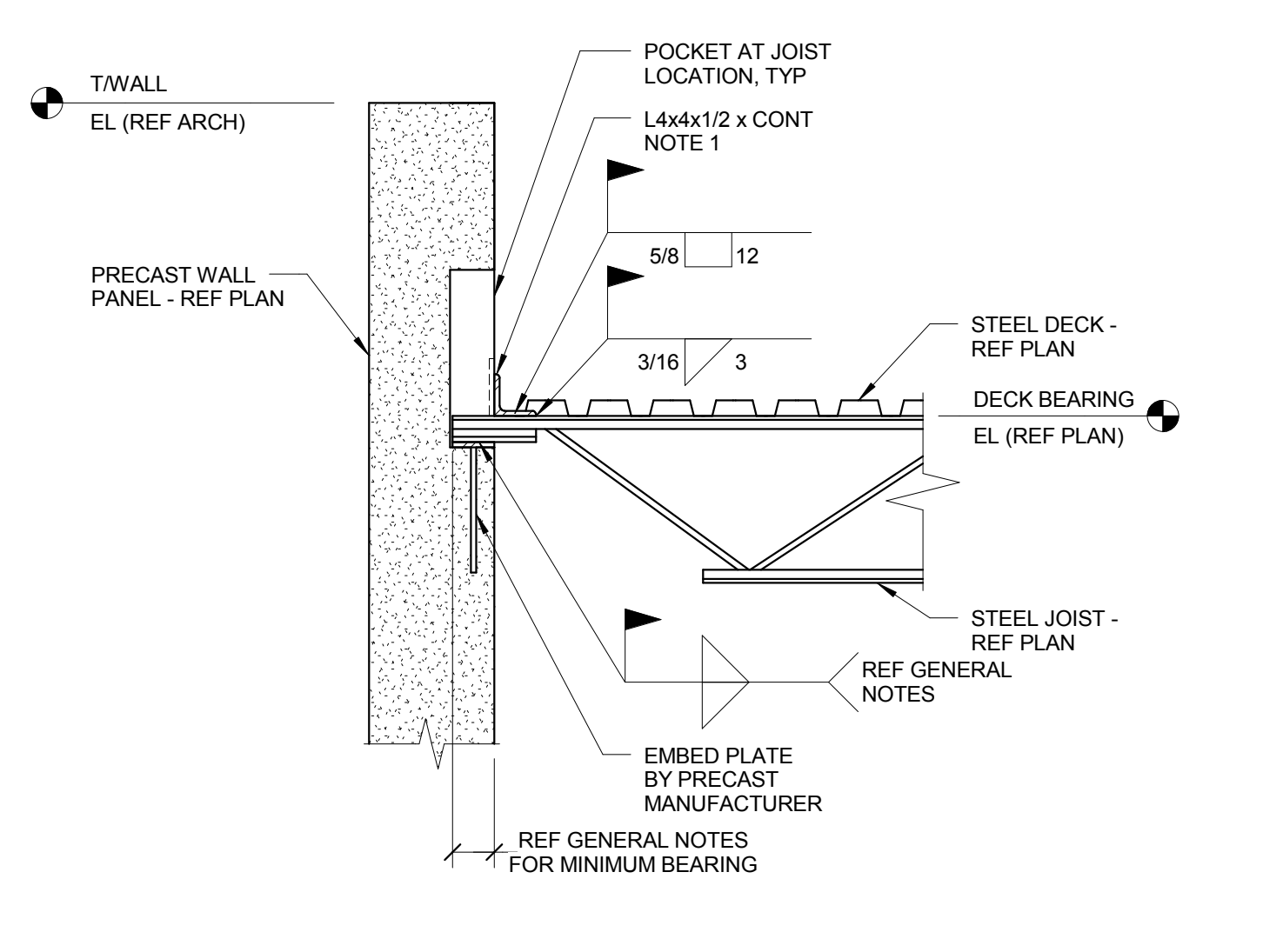
STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

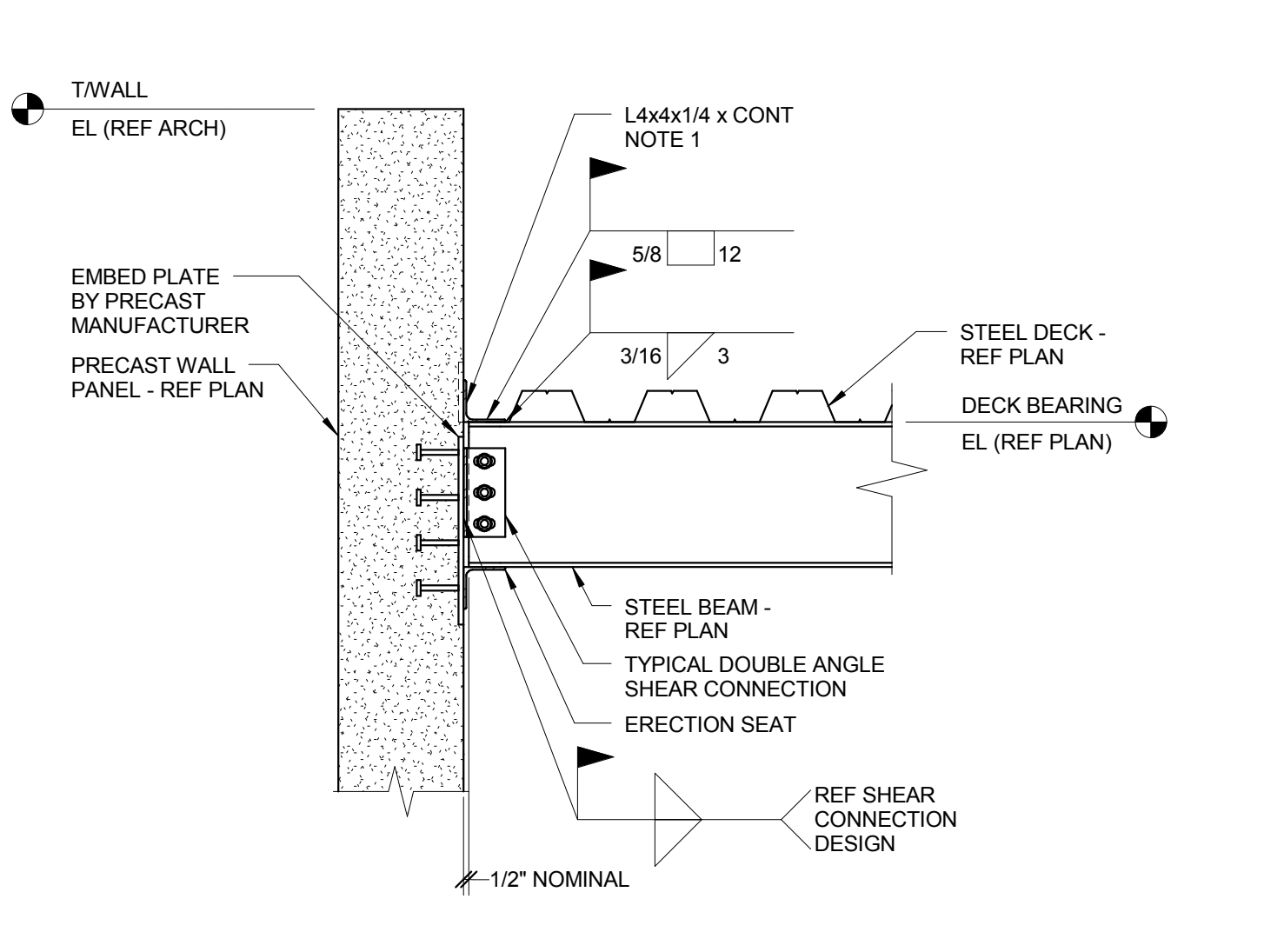
**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



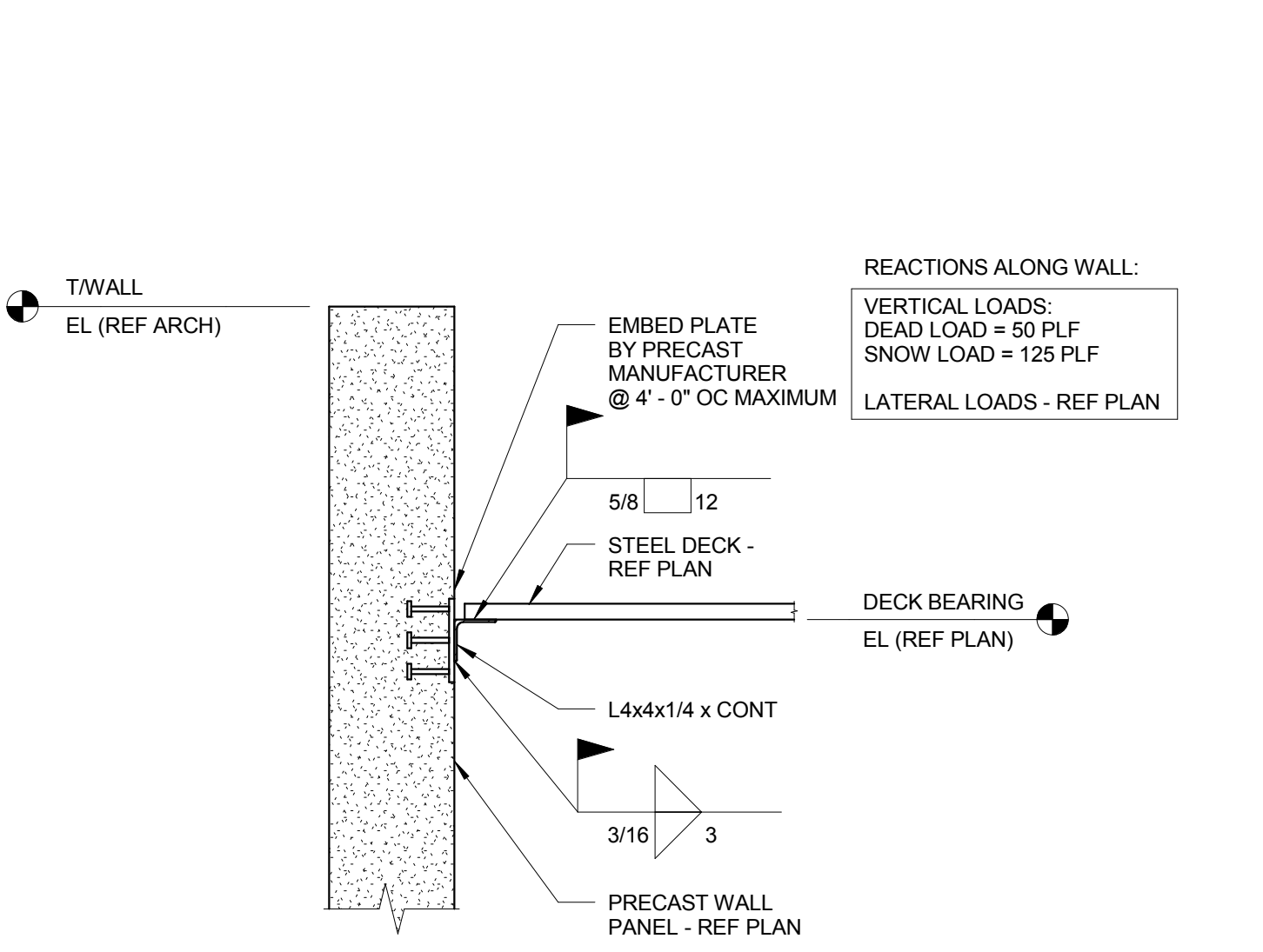
**1 STEEL JOIST BEARING AT PRECAST WALL PANEL WITH EMBED PLATE**  
 3/4" = 1'-0"  
 NOTES:  
 1. PROVIDE EMBED PLATE BY PRECAST MANUFACTURER IN WALL @ 4'-0" OC MAXIMUM TO WELD TO CONTINUOUS ANGLE WITH 3/16" FILLET WELD 3" LONG. COORDINATE EMBED PLATES AROUND JOIST POCKETS.



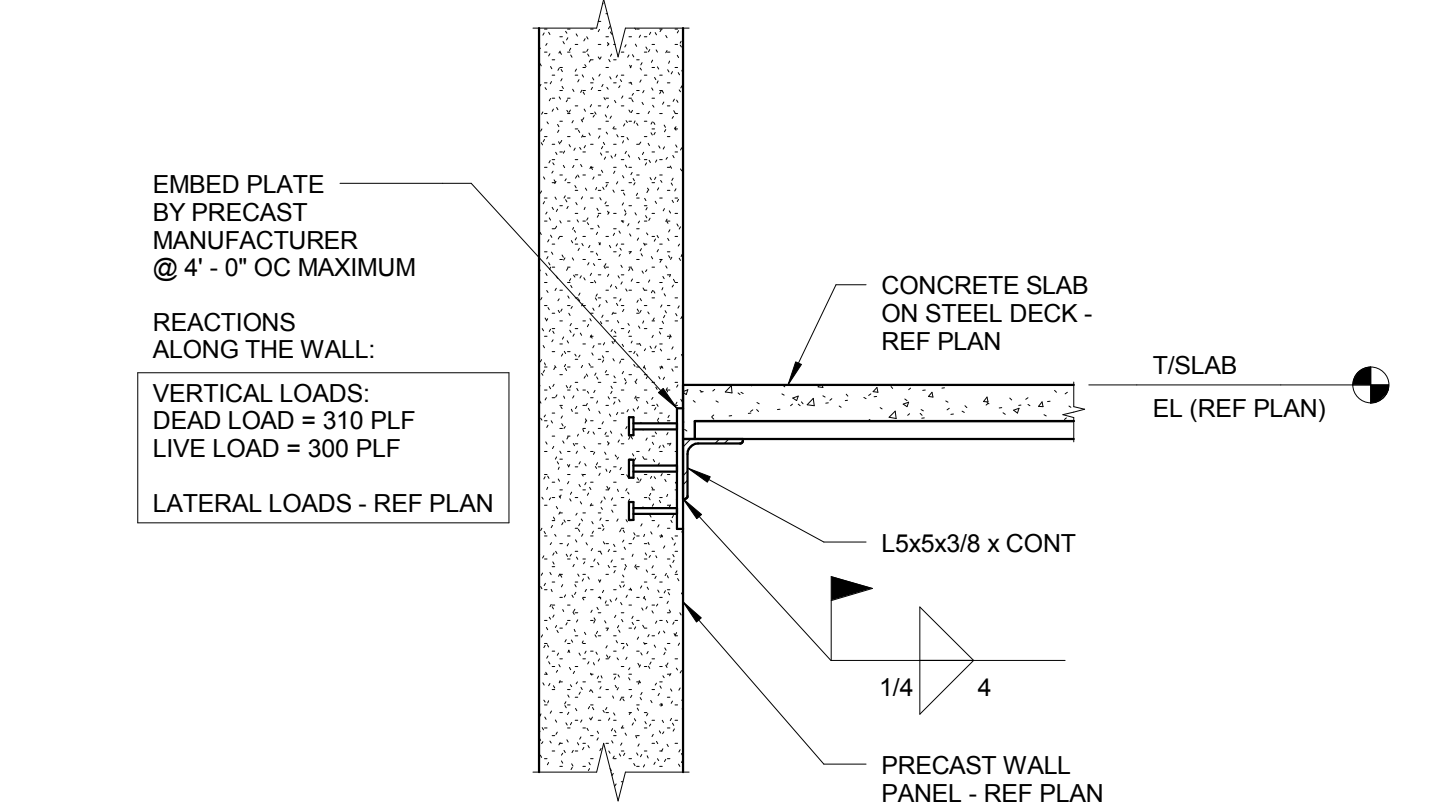
**2 STEEL JOIST BEARING AT PRECAST WALL PANEL WITH POCKET**  
 3/4" = 1'-0"  
 NOTES:  
 1. PROVIDE EMBED PLATE BY PRECAST MANUFACTURER IN WALL @ 4'-0" OC MAXIMUM TO WELD TO CONTINUOUS ANGLE WITH 3/16" FILLET WELD 3" LONG. COORDINATE EMBED PLATES AROUND JOIST POCKETS.



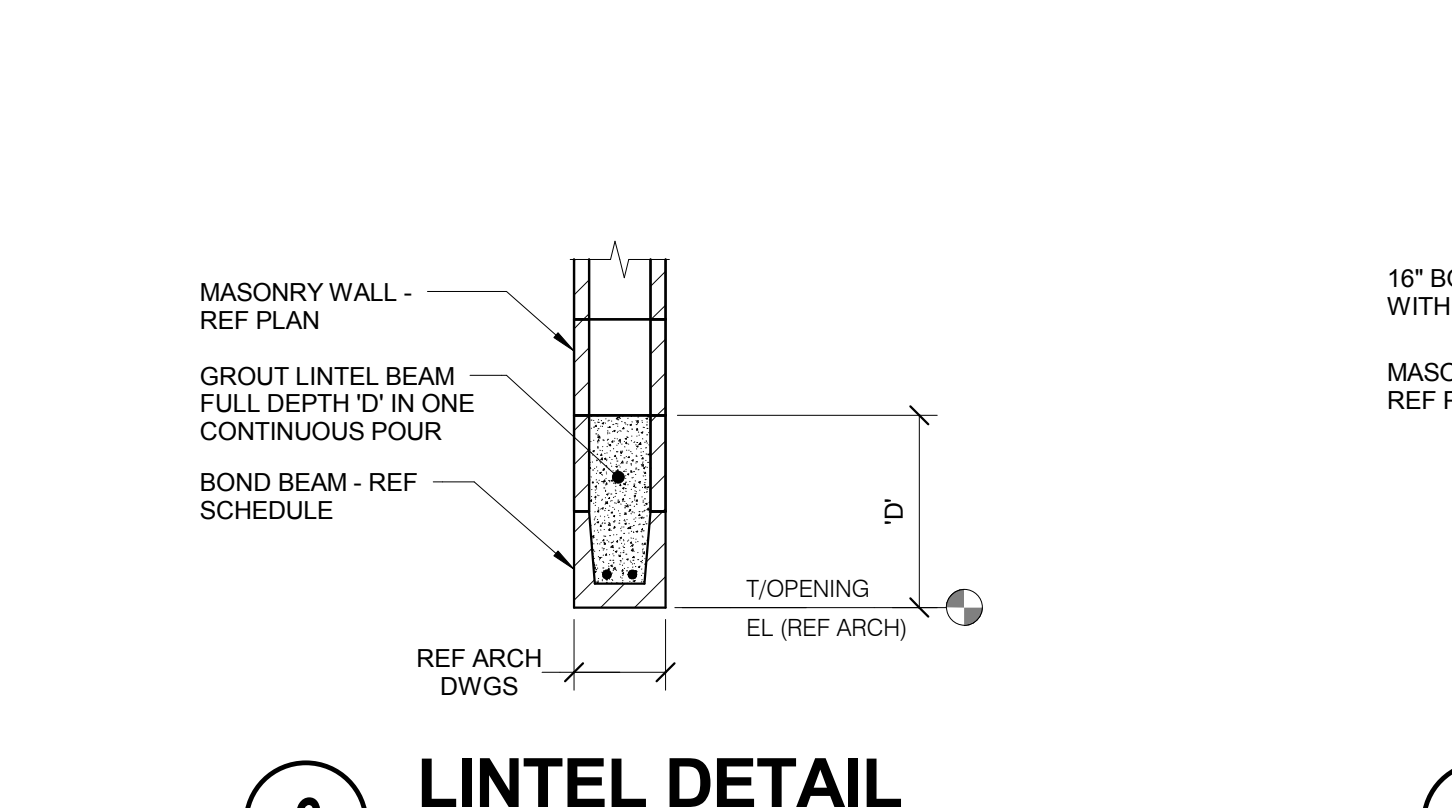
**3 STEEL BEAM BEARING AT PRECAST WALL PANEL WITH EMBED PLATE**  
 3/4" = 1'-0"  
 NOTES:  
 1. PROVIDE EMBED PLATE BY PRECAST MANUFACTURER IN WALL @ 4'-0" OC MAXIMUM TO WELD TO CONTINUOUS ANGLE WITH 3/16" FILLET WELD 3" LONG. COORDINATE EMBED PLATES AROUND BEAM CONNECTIONS.



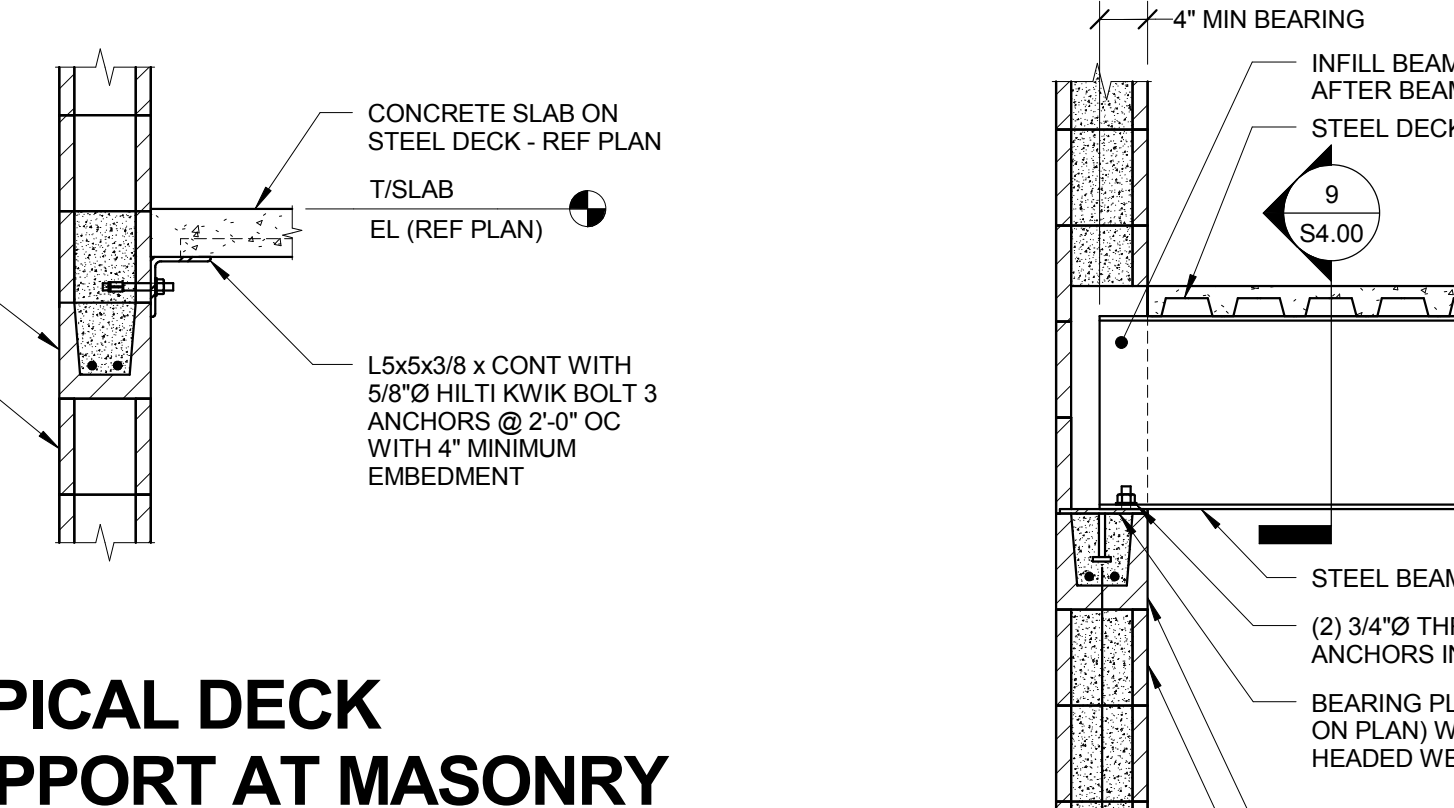
**4 TYPICAL ROOF DECK SUPPORT AT PRECAST WALL PANEL**  
 3/4" = 1'-0"



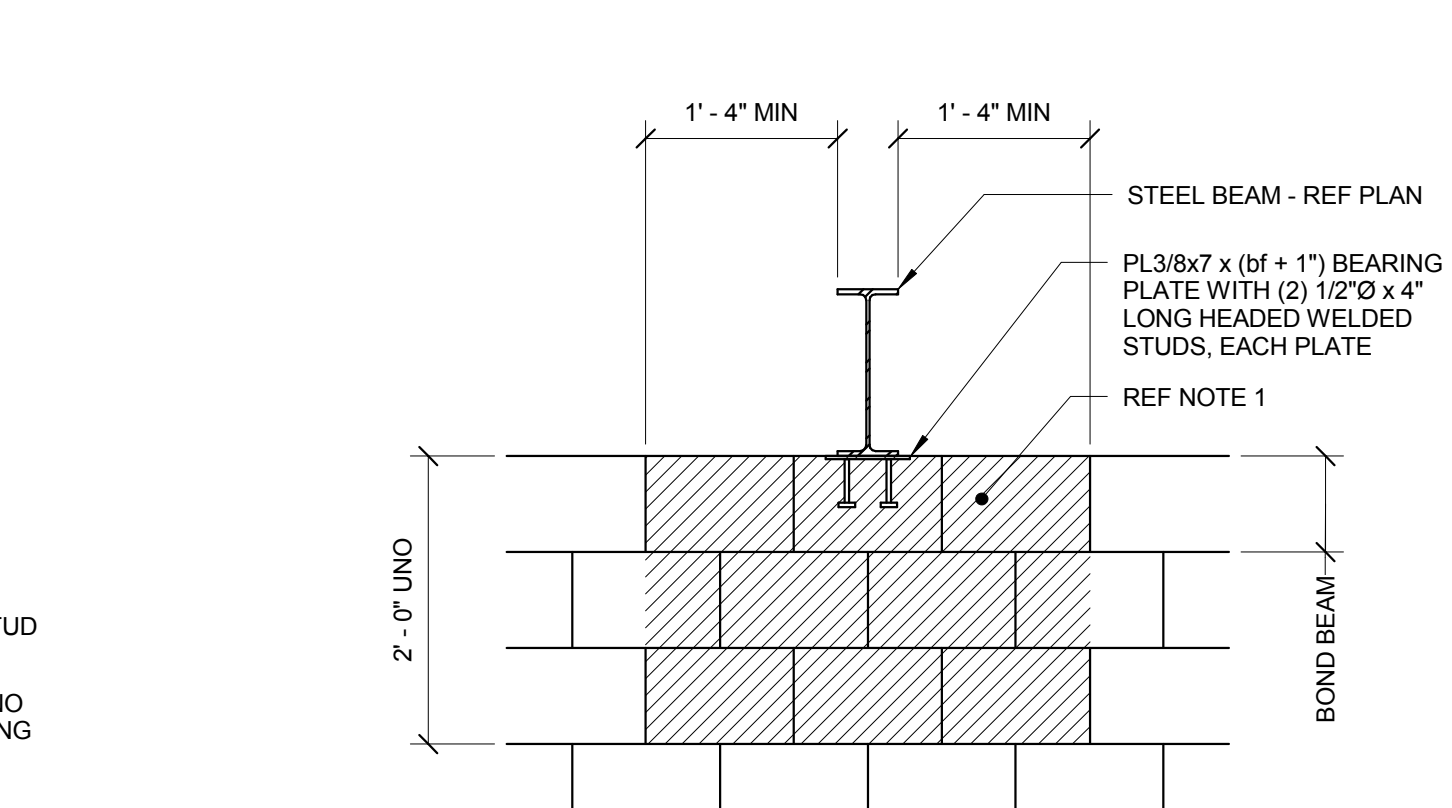
**5 TYPICAL FLOOR DECK SUPPORT AT PRECAST WALL PANEL**  
 3/4" = 1'-0"



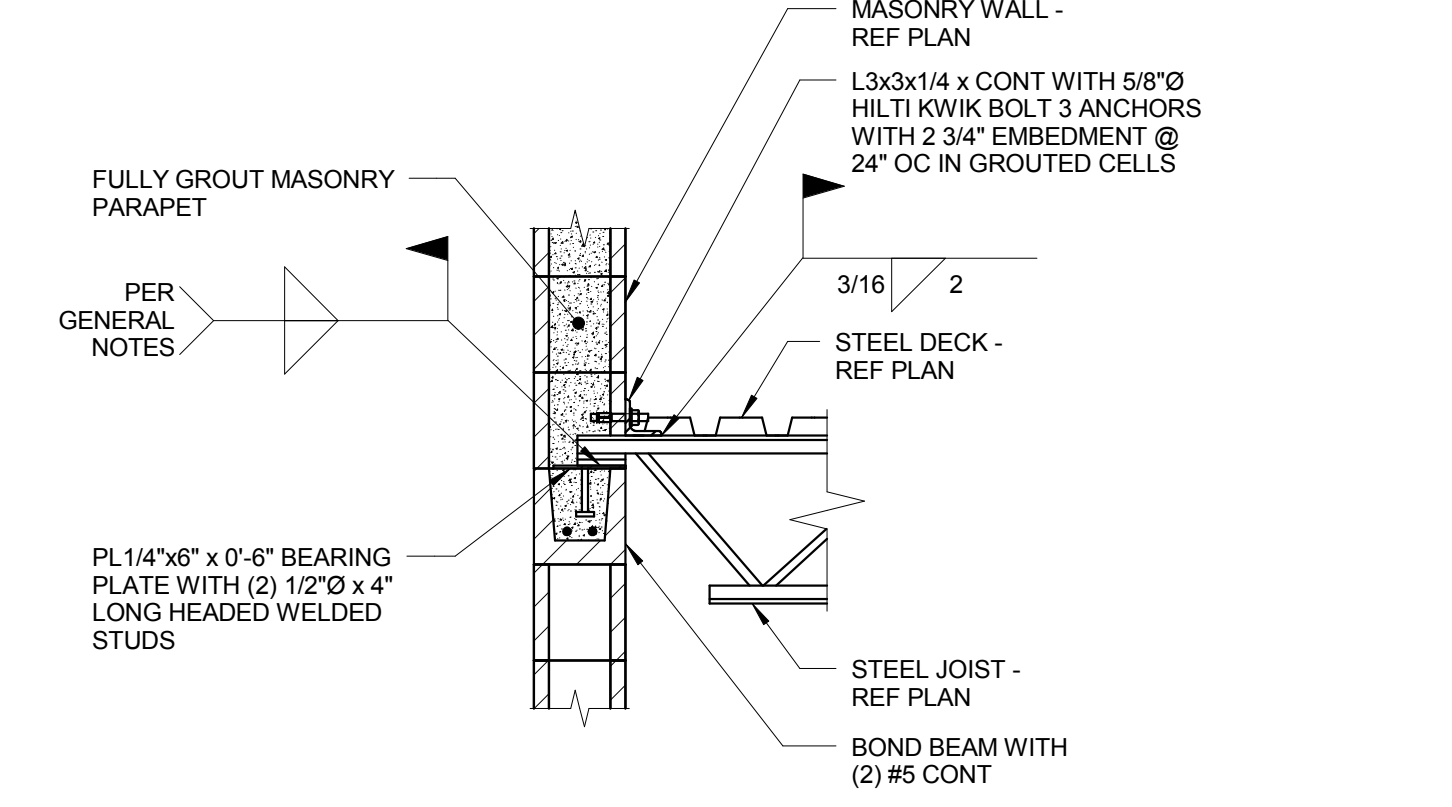
**6 LINTEL DETAIL**  
 3/4" = 1'-0"  
 NOTES:  
 1. SHORE MASONRY UNTIL GROUT FOR LINTEL HAS REACHED ITS SPECIFIED STRENGTH.



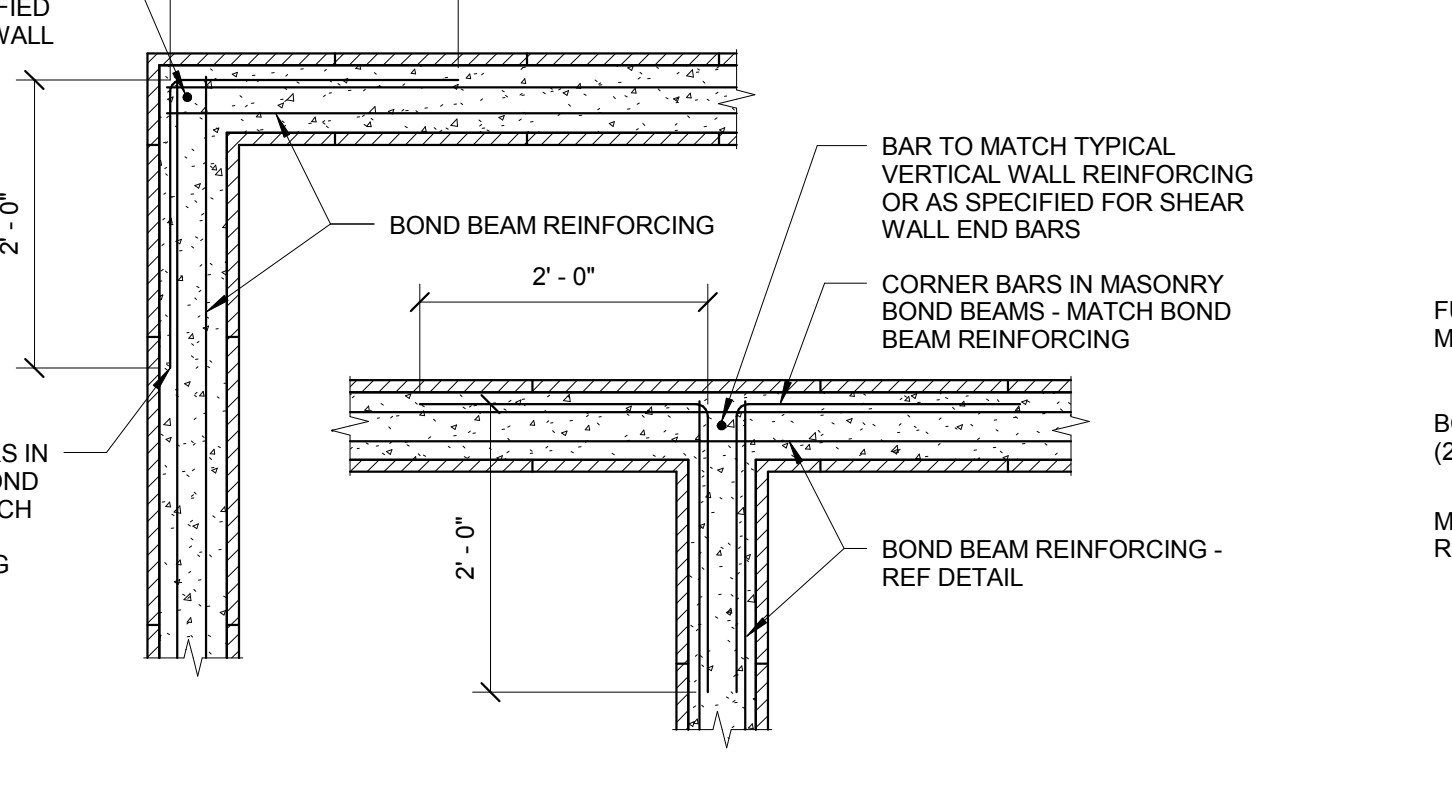
**7 TYPICAL DECK SUPPORT AT MASONRY**  
 3/4" = 1'-0"



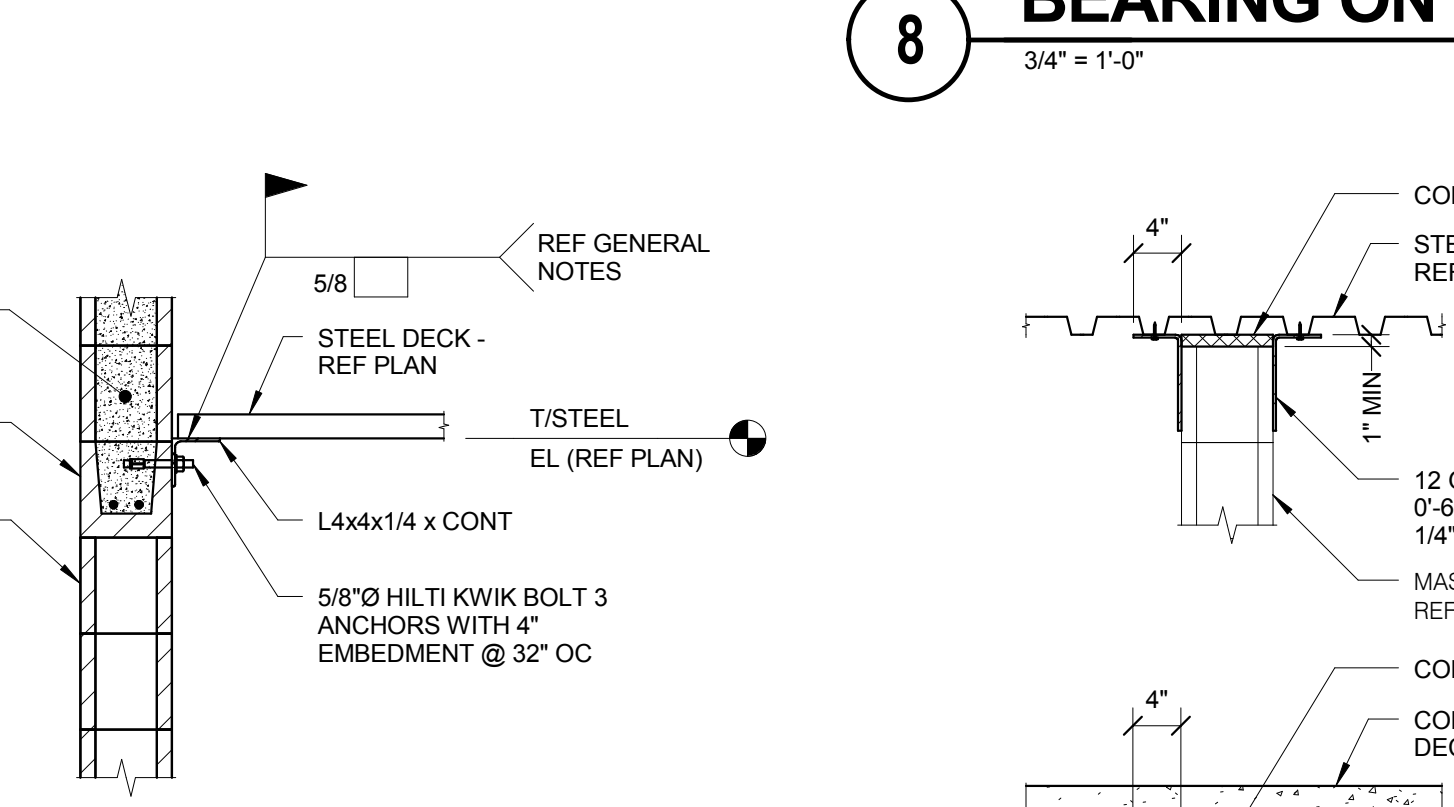
**8 TYPICAL BEAM BEARING ON MASONRY**  
 3/4" = 1'-0"



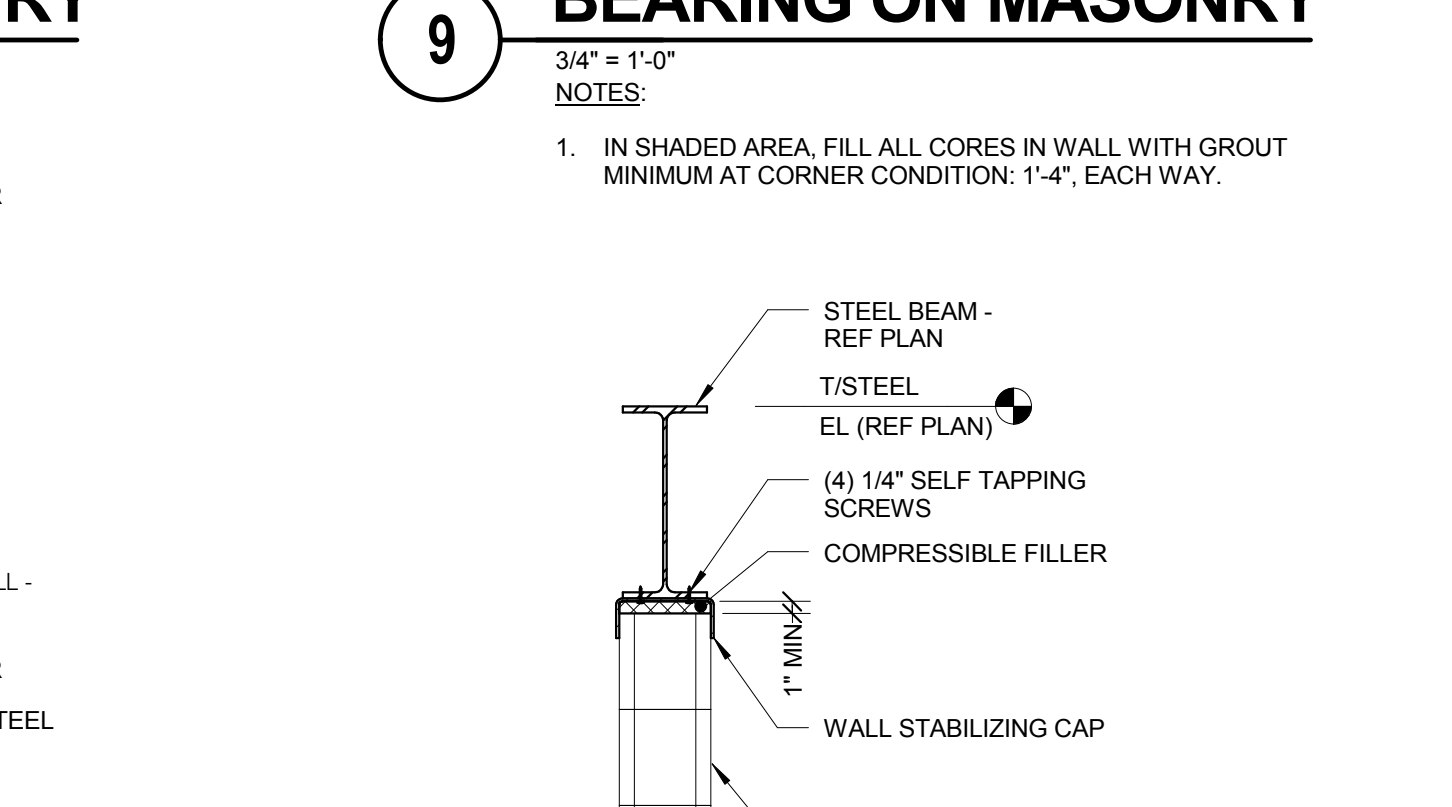
**9 TYPICAL BEAM BEARING ON MASONRY**  
 3/4" = 1'-0"  
 NOTES:  
 1. IN SHADED AREA, FILL ALL CORES IN WALL WITH GROUT MINIMUM AT CORNER CONDITION: 1'-4", EACH WAY.



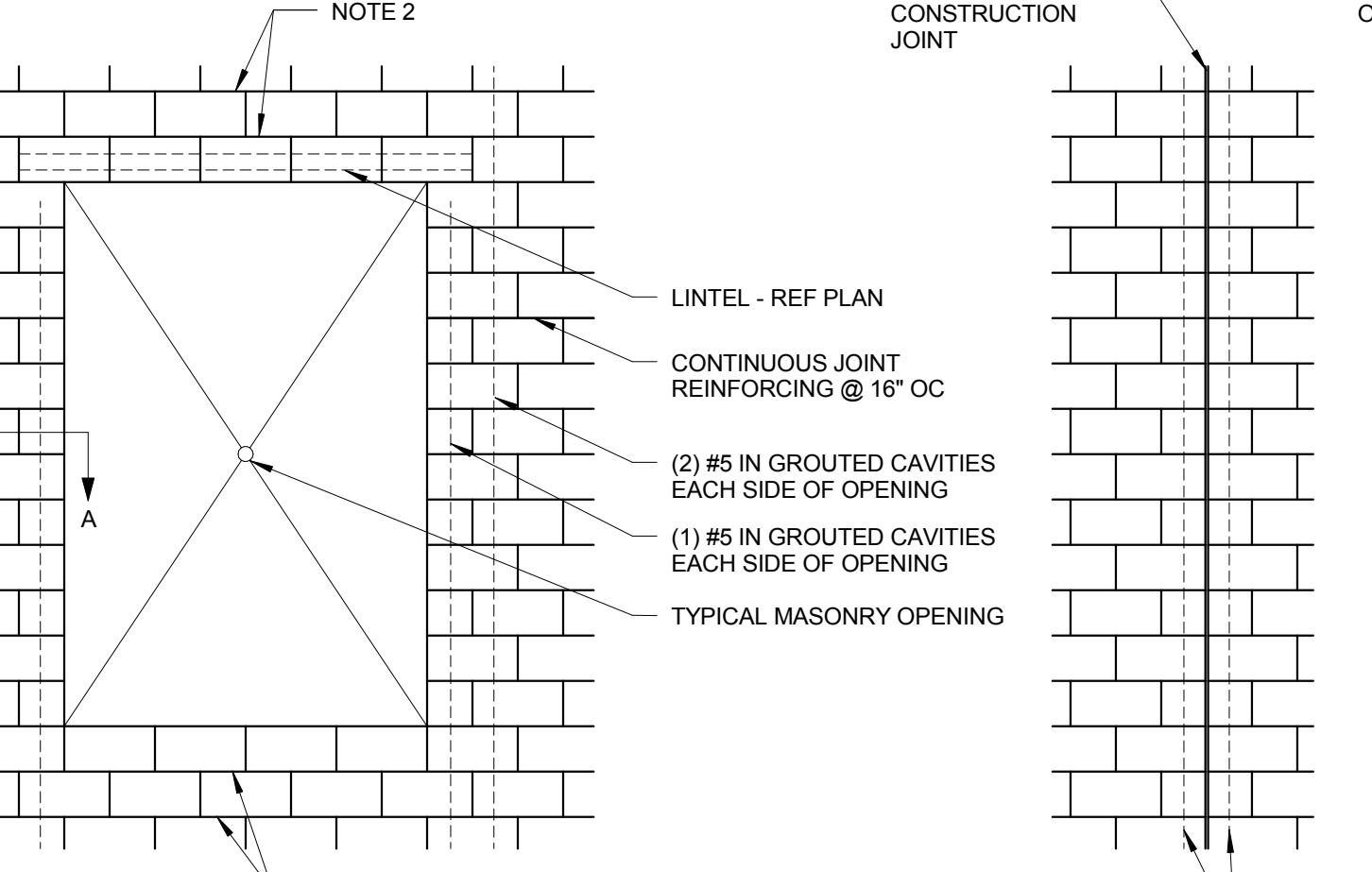
**10 TYPICAL ROOF JOIST BEARING ON MASONRY**  
 3/4" = 1'-0"



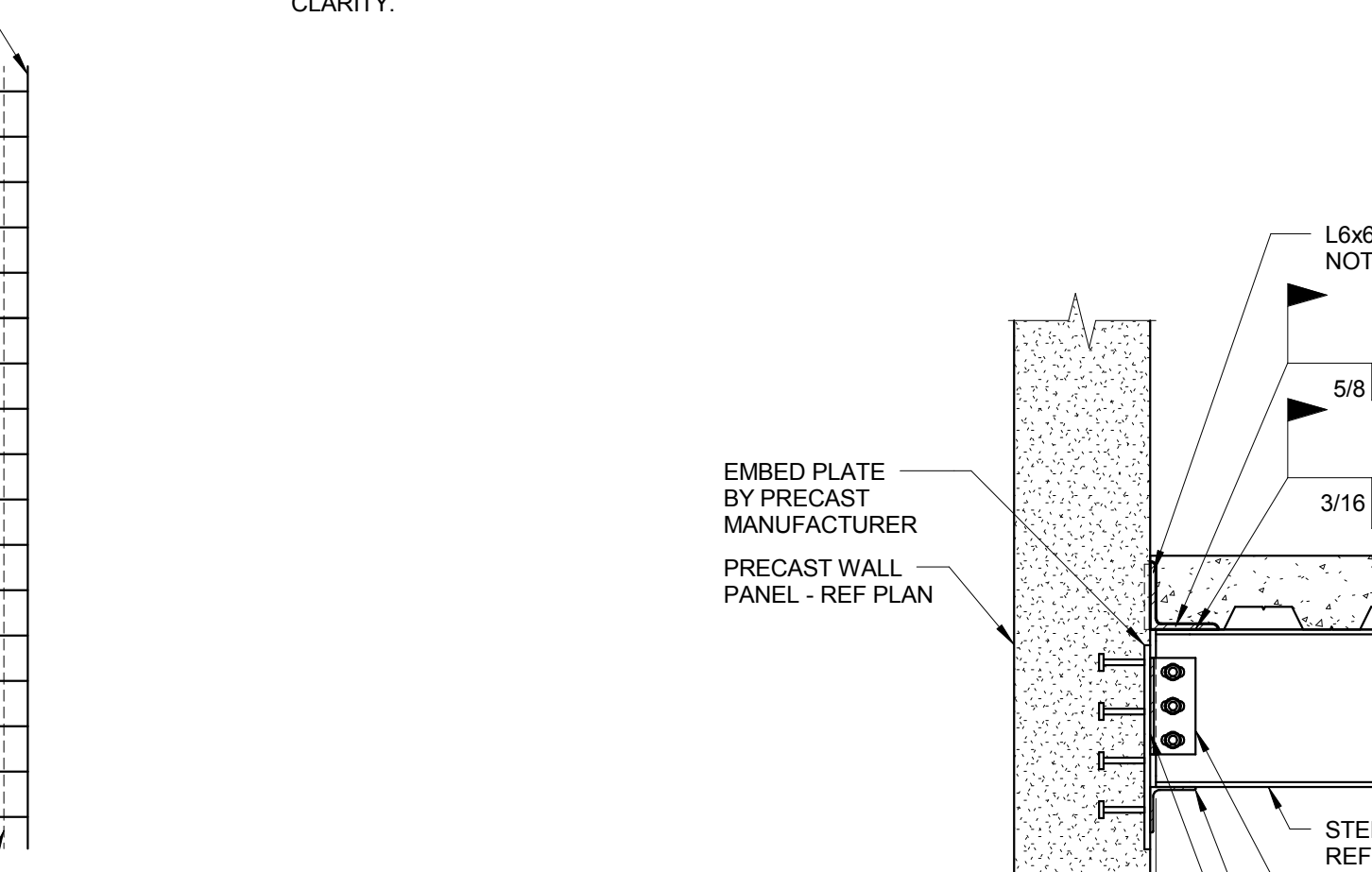
**11 TYPICAL CMU WALL CORNER REINFORCING**  
 3/4" = 1'-0"  
 NOTES:  
 1. TYPICAL VERTICAL WALL REINFORCING NOT SHOWN FOR CLARITY.



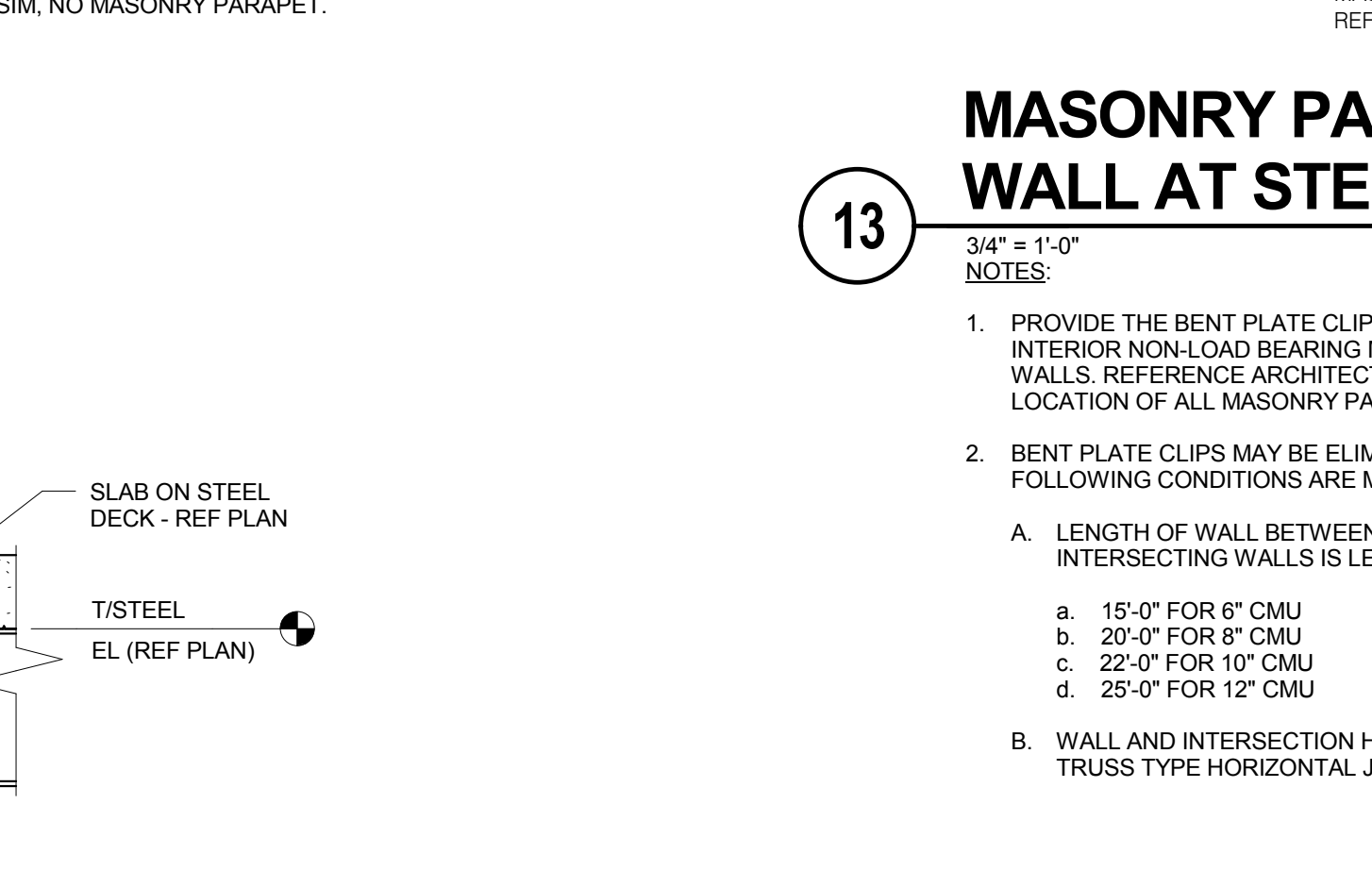
**12 ROOF DECK SUPPORT AT MASONRY**  
 3/4" = 1'-0"  
 NOTES:  
 1. AT SIM, NO MASONRY PARAPET.



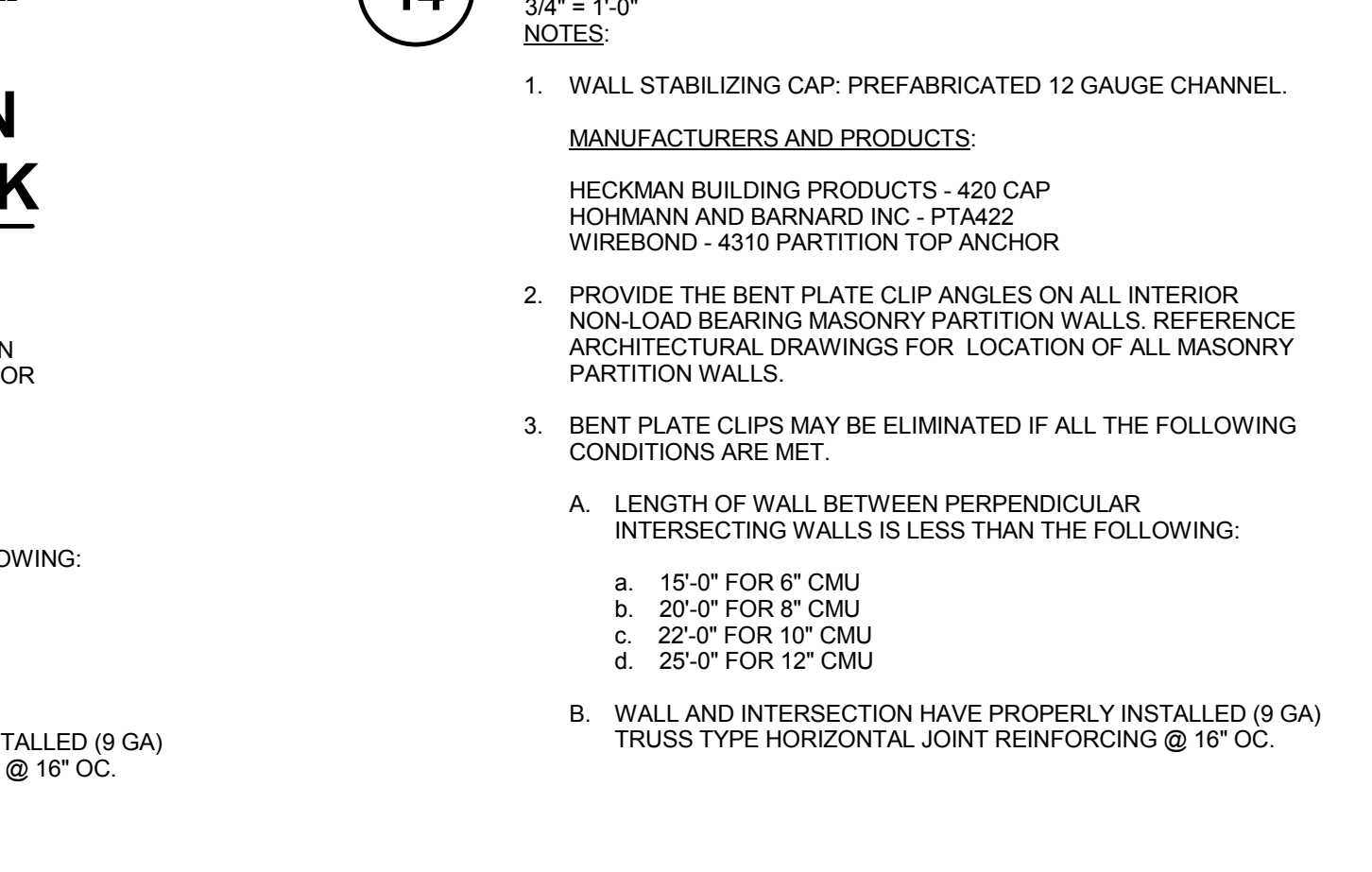
**13 MASONRY PARTITION WALL AT STEEL DECK**  
 3/4" = 1'-0"  
 NOTES:  
 1. PROVIDE THE BENT PLATE CLIP ANGLES ON ALL INTERIOR NON-LOAD BEARING MASONRY PARTITION WALLS. REFERENCE ARCHITECTURAL DRAWINGS FOR LOCATION OF ALL MASONRY PARTITION WALLS.  
 2. BENT PLATE CLIPS MAY BE ELIMINATED IF ALL THE FOLLOWING CONDITIONS ARE MET:  
 A. LENGTH OF WALL BETWEEN PERPENDICULAR INTERSECTING WALLS IS LESS THAN THE FOLLOWING:  
 a. 15'-0" FOR 8" CMU  
 b. 20'-0" FOR 8" CMU  
 c. 22'-0" FOR 10" CMU  
 d. 25'-0" FOR 12" CMU  
 B. WALL AND INTERSECTION HAVE PROPERLY INSTALLED (8 GA) TRUSS TYPE HORIZONTAL JOINT REINFORCING @ 16" OC.



**14 MASONRY PARTITION WALL AT STEEL BEAM**  
 3/4" = 1'-0"  
 NOTES:  
 1. WALL STABILIZING CAP: PREFABRICATED 12 GAUGE CHANNEL.  
 MANUFACTURERS AND PRODUCTS:  
 HECKMAN BUILDING PRODUCTS - 420 CAP  
 HOHMANN AND BARNARD INC. - PTA422 WIREBOND - 4310 PARTITION TOP ANCHOR  
 2. PROVIDE THE BENT PLATE CLIP ANGLES ON ALL INTERIOR NON-LOAD BEARING MASONRY PARTITION WALLS. REFERENCE ARCHITECTURAL DRAWINGS FOR LOCATION OF ALL MASONRY PARTITION WALLS.  
 3. BENT PLATE CLIPS MAY BE ELIMINATED IF ALL THE FOLLOWING CONDITIONS ARE MET:  
 A. LENGTH OF WALL BETWEEN PERPENDICULAR INTERSECTING WALLS IS LESS THAN THE FOLLOWING:  
 a. 15'-0" FOR 8" CMU  
 b. 20'-0" FOR 8" CMU  
 c. 22'-0" FOR 10" CMU  
 d. 25'-0" FOR 12" CMU  
 B. WALL AND INTERSECTION HAVE PROPERLY INSTALLED (8 GA) TRUSS TYPE HORIZONTAL JOINT REINFORCING @ 16" OC.



**15 TYPICAL MASONRY WALL DETAIL**  
 3/4" = 1'-0"  
 NOTES:  
 1. REFER TO ARCHITECTURAL ELEVATIONS FOR MASONRY CONTROL JOINT LOCATIONS.  
 2. TWO COURSES OF JOINT REINFORCING ARE REQUIRED ABOVE THE LINTEL AND BELOW THE SILL AND SHALL EXTEND A MINIMUM OF 24 INCHES PAST THE OPENING.



**16 STEEL BEAM CONNECTION AT PRECAST WALL PANEL WITH EMBED PLATE**  
 3/4" = 1'-0"  
 NOTES:  
 1. PROVIDE EMBED PLATE BY PRECAST MANUFACTURER IN WALL @ 4'-0" OC MAXIMUM TO WELD TO CONTINUOUS ANGLE WITH 3/16" FILLET WELD 3" LONG. COORDINATE EMBED PLATES AROUND BEAM CONNECTIONS.

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14044.00  
 DESIGN FIRM REGISTRATION #18-00973  
 KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. S-20 DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

KEY PLAN:

SHEET STATUS: 7-17-15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**PRECAST AND MASONRY DETAILS**

SHEET NUMBER:  
**S4.00**





ARCHITECT OF RECORD  
**DEMIONA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

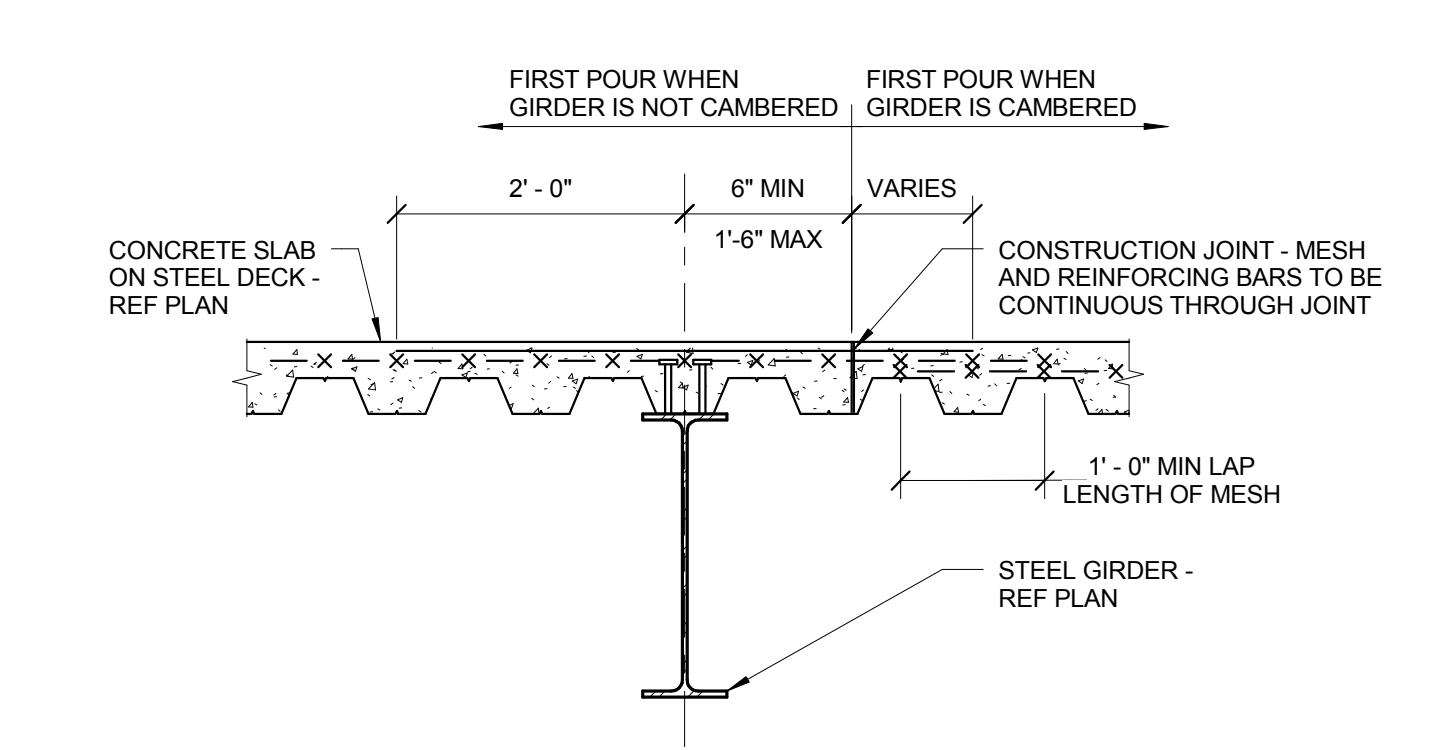
KEY PLAN:

SHEET STATUS: 7-17-15  
**BID PACKAGE 2  
 ISSUED FOR BID**

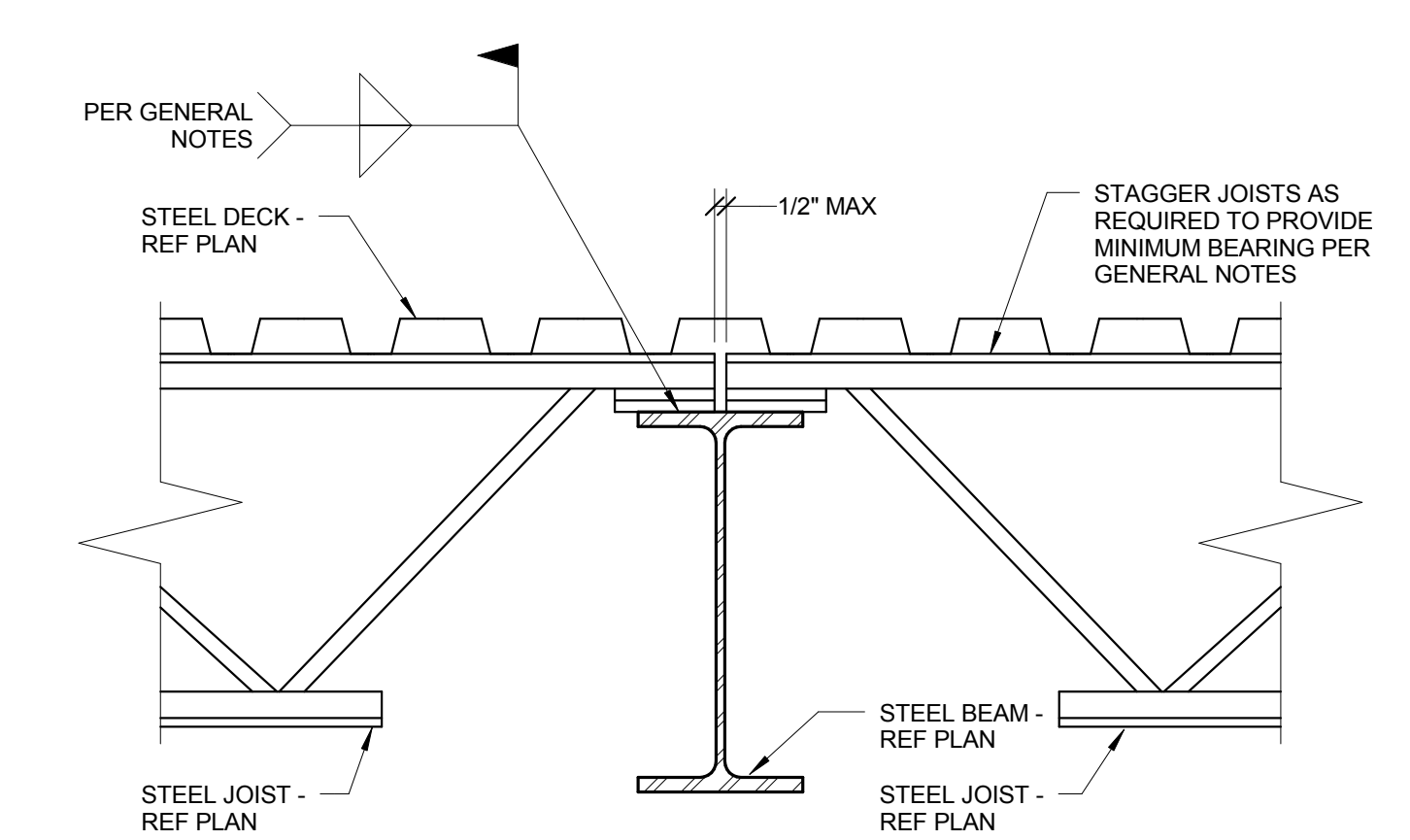
NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**STEEL DETAILS**

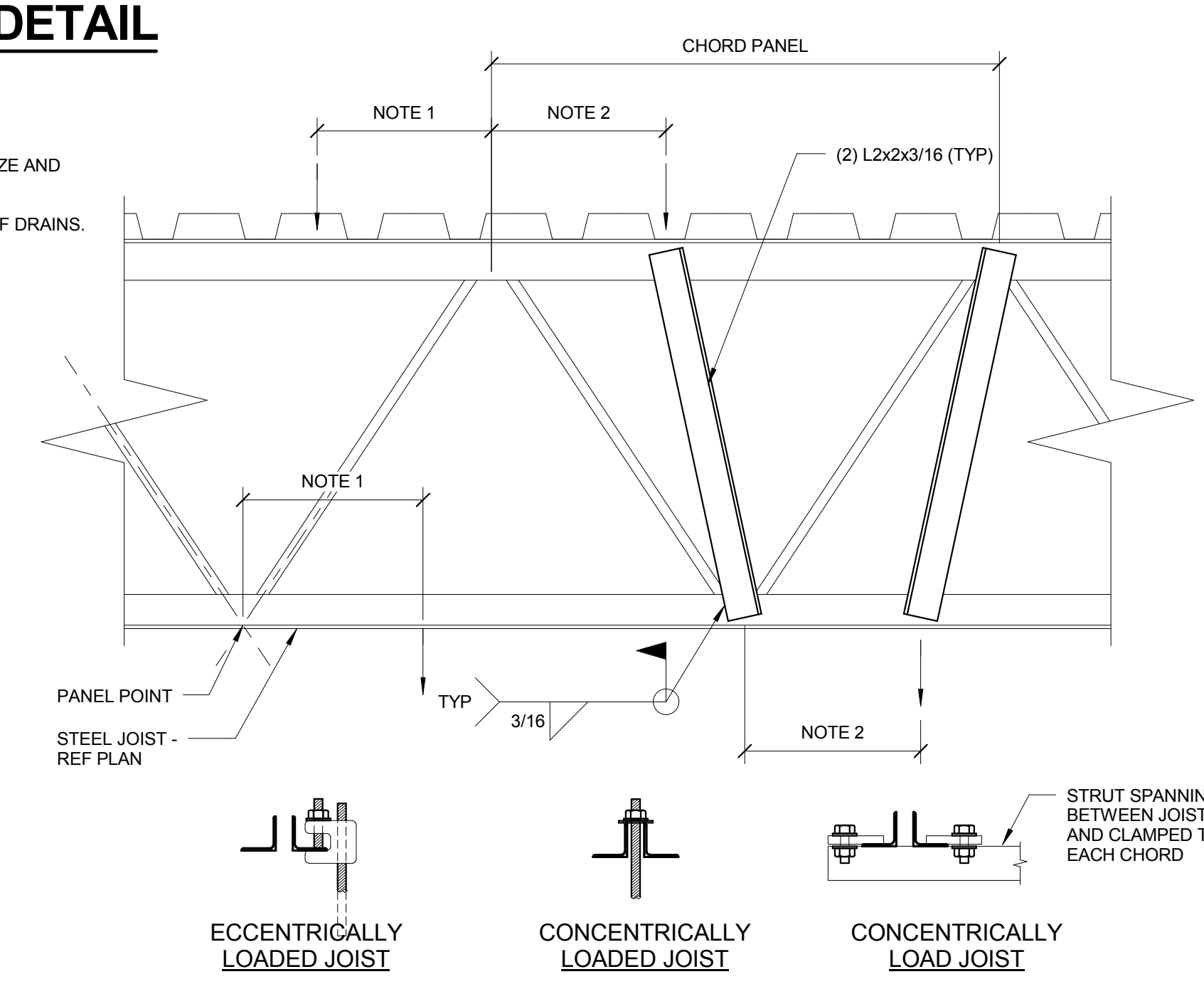
SHEET NUMBER:  
**S5.00**



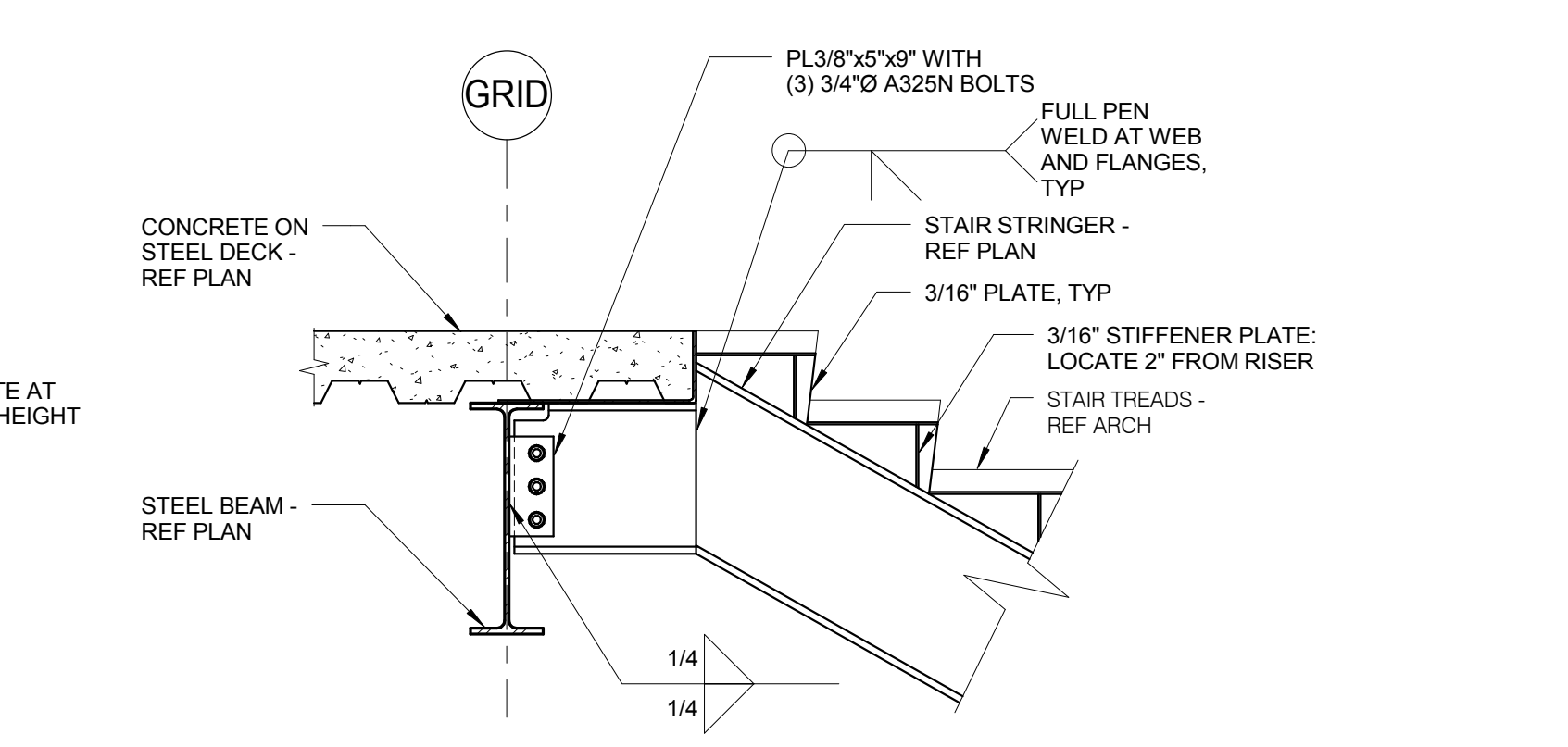
**5 TYPICAL CONSTRUCTION JOINT PARALLEL TO GIRDER DETAIL**  
 3/4" = 1'-0"  
 NOTES:  
 1. A STEEL GIRDER IS DEFINED AS A STEEL BEAM FRAMING BETWEEN COLUMNS AND SUPPORTING OTHER BEAMS.



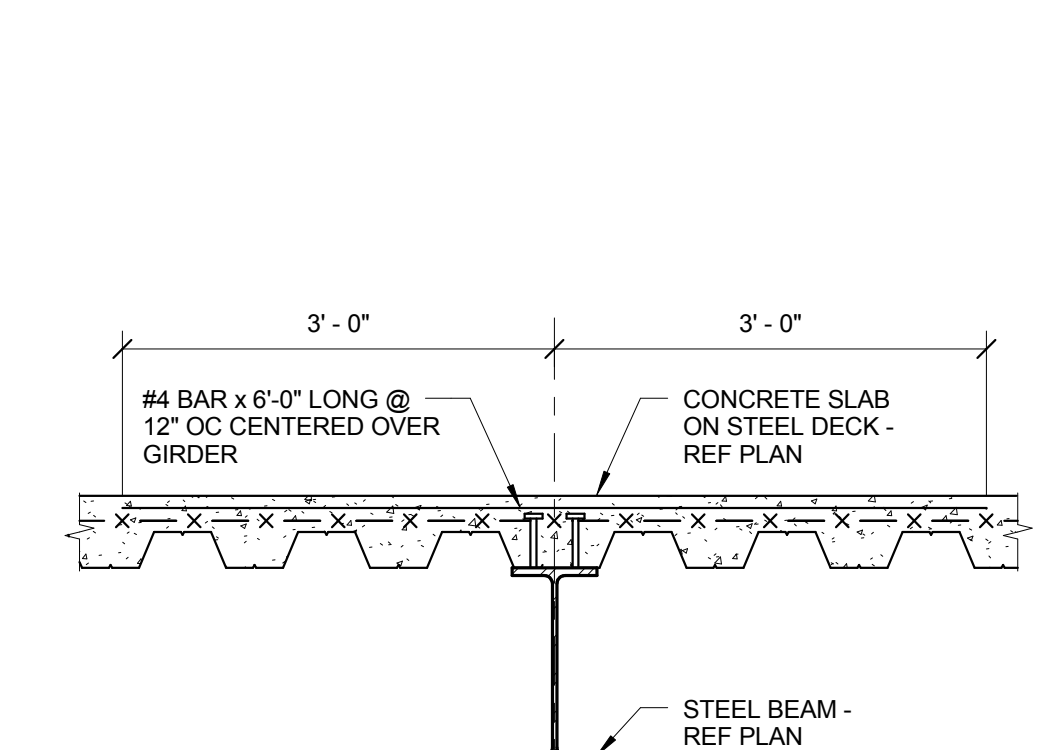
**11 TYPICAL JOIST BEARING DETAIL**  
 1 1/2" = 1'-0"  
 NOTES:  
 1. JOISTS AT OR IMMEDIATELY ADJACENT TO COLUMNS SHALL BE BOLTED WITH (2) BOLTS ON BEAM GAGE. REFER TO GENERAL NOTES FOR BOLT DIAMETER.



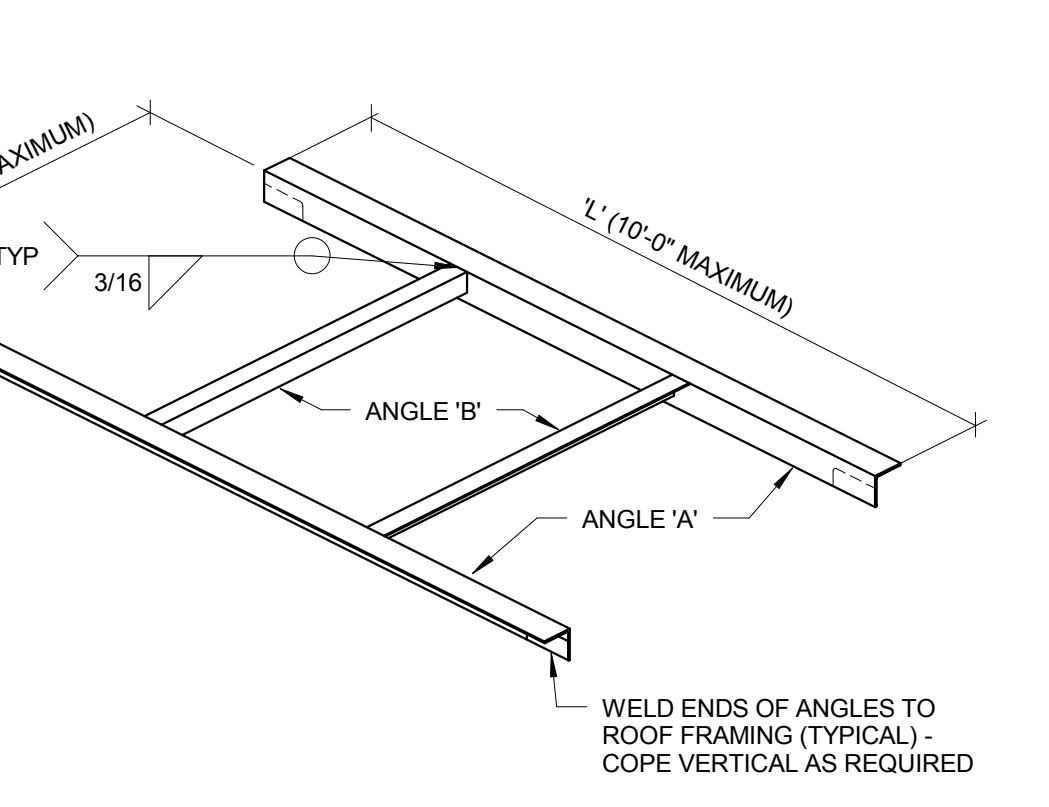
**16 JOIST MODIFICATION DETAIL**  
 1 1/2" = 1'-0"  
 NOTES:  
 1. FOR ATTACHMENTS TO JOISTS THAT ARE CONCENTRICALLY LOADED ON THE JOIST, A MAXIMUM OF 100 POUNDS MAY BE ATTACHED TO THE JOIST WITHIN A CHORD PANEL WITHOUT AN ADDITIONAL ANGLE. FOR ATTACHMENTS TO JOIST THAT ARE ECCENTRICALLY LOADED, A MAXIMUM OF 25 POUNDS MAY BE ATTACHED TO THE JOIST WITHIN A CHORD PANEL WITHOUT AN ADDITIONAL ANGLE. MULTIPLE ATTACHMENTS ARE ALLOWED IN EACH CHORD PANEL AS LONG AS THE SUM OF THE LOADS DO NOT EXCEED THE MAXIMUM LOAD INDICATED.  
 2. FOR LOADS BETWEEN 100 POUNDS AND 200 POUNDS, ADDITIONAL ANGLES ARE REQUIRED AND JOIST MUST BE CONCENTRICALLY LOADED.  
 3. FOR LOADING CONDITIONS IN NOTES 1 AND 2 ABOVE, TOTAL SUM OF LOADS SHALL NOT EXCEED 200 LBS FOR AN 8 FOOT SEGMENT OF JOIST. FOR LOADS GREATER THAN 200 POUNDS AND NOT NOTED ON THE DRAWINGS, CONTACT ENGINEER PRIOR TO INSTALLATION.  
 4. NO LOADS SHALL BE SUPPORTED FROM JOIST BRIDGING.



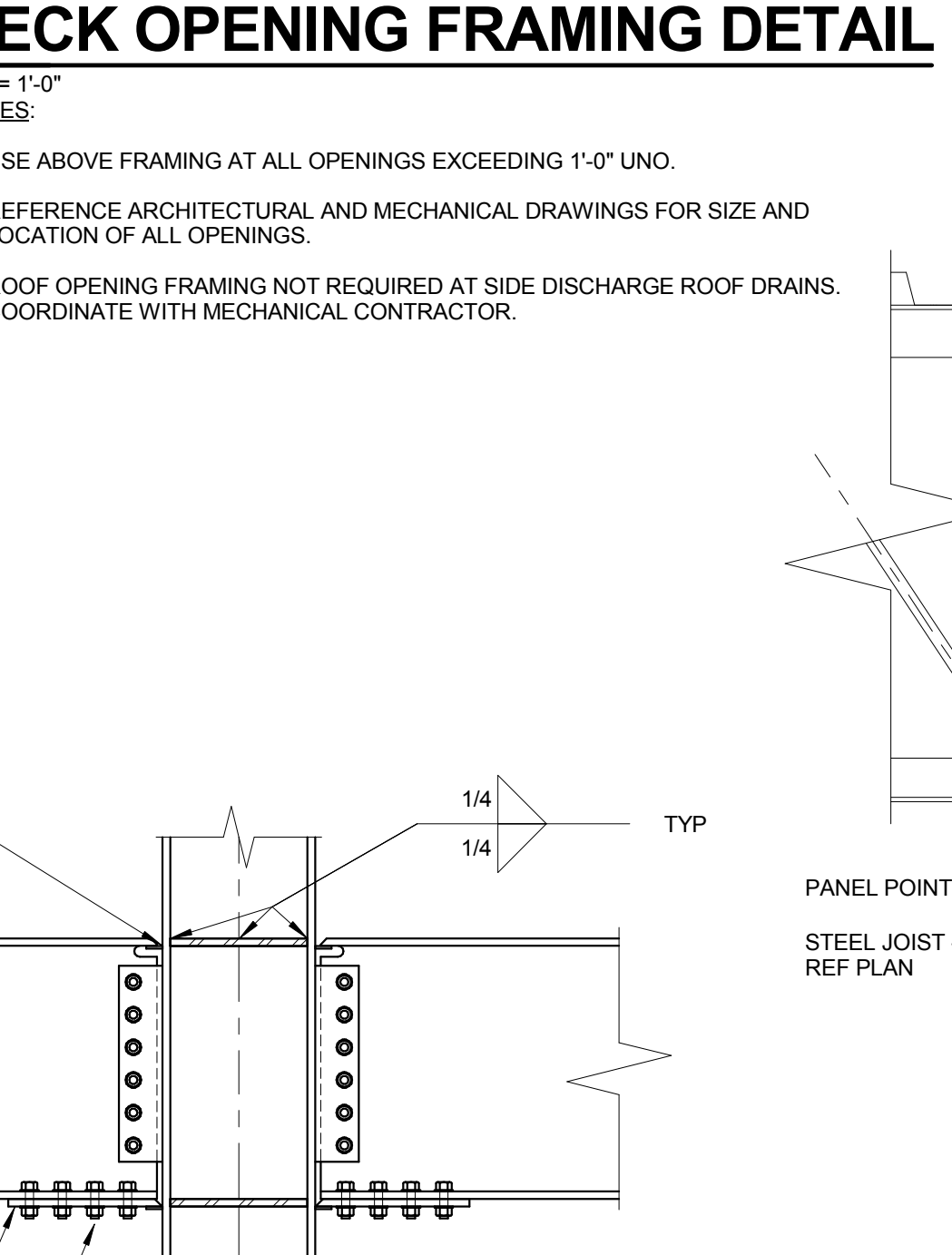
**20 STAIR STRINGER CONNECTION DETAIL**  
 3/4" = 1'-0"  
 NOTES:  
 1. REF 8/55.00 FOR EDGE OF SLAB INFORMATION.



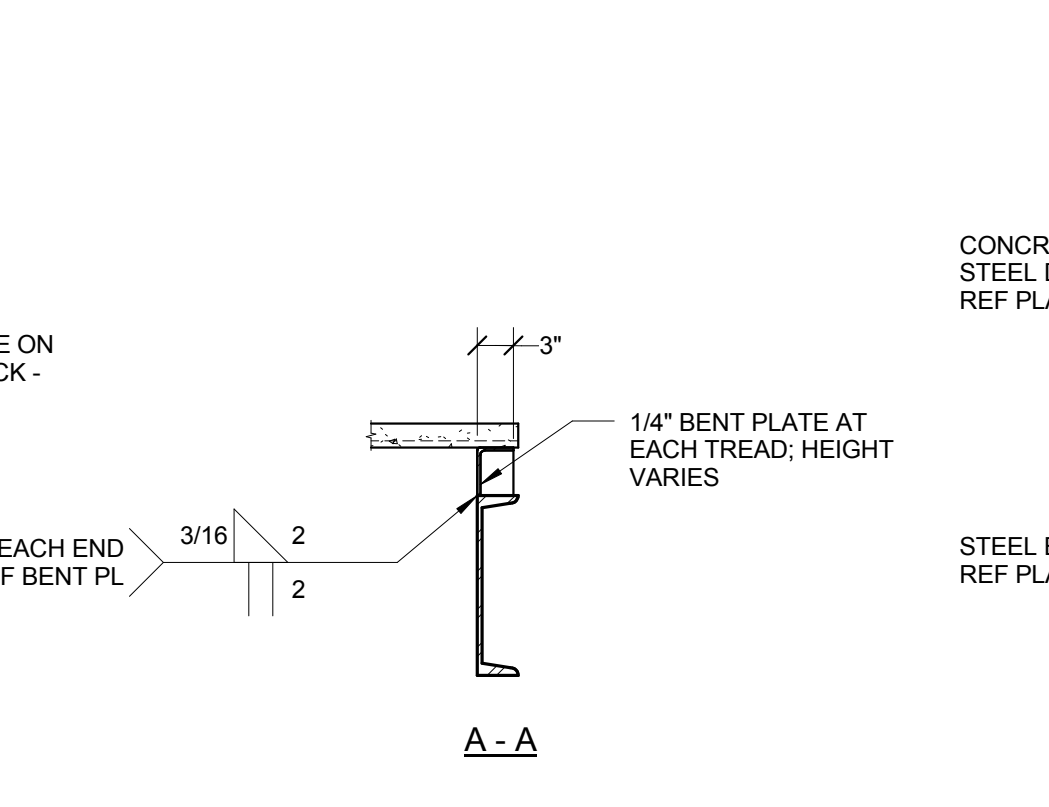
**4 TYPICAL GIRDER DETAIL**  
 3/4" = 1'-0"  
 NOTES:  
 1. A STEEL GIRDER IS DEFINED AS A STEEL BEAM FRAMING BETWEEN COLUMNS AND SUPPORTING OTHER BEAMS.



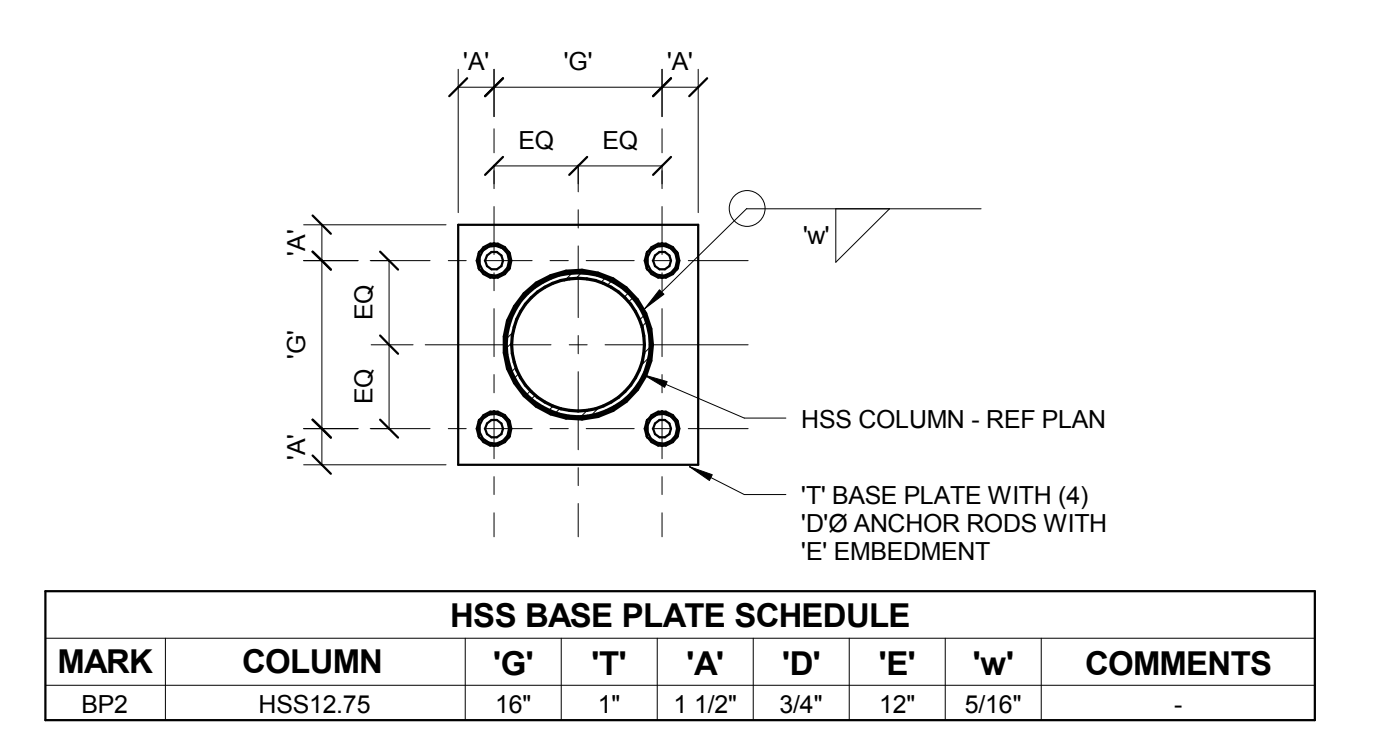
**10 DECK OPENING FRAMING DETAIL**  
 3/4" = 1'-0"  
 NOTES:  
 1. USE ABOVE FRAMING AT ALL OPENINGS EXCEEDING 1'-0" UNO.  
 2. REFERENCE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF ALL OPENINGS.  
 3. ROOF OPENING FRAMING NOT REQUIRED AT SIDE DISCHARGE ROOF DRAINS. COORDINATE WITH MECHANICAL CONTRACTOR.



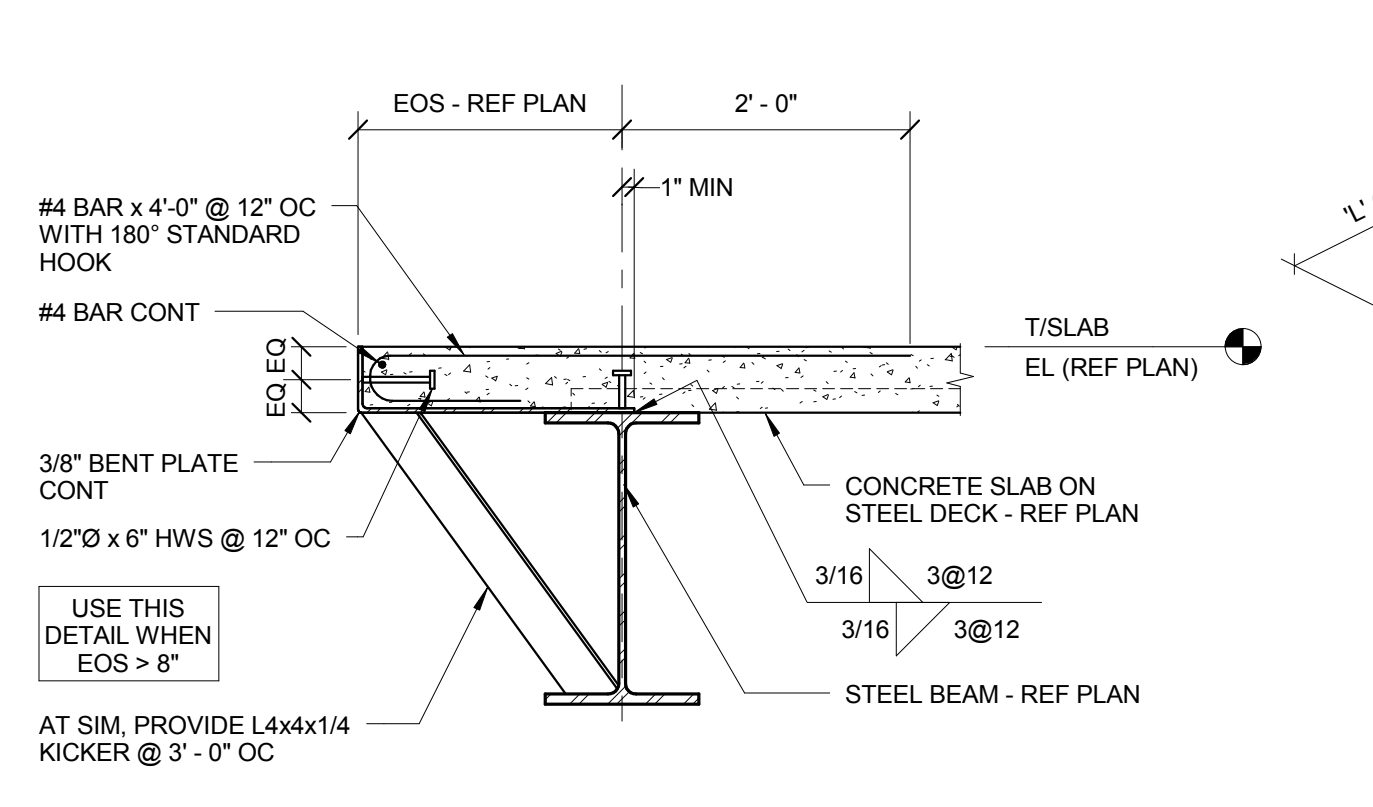
**15 TYPICAL ROOF MOMENT CONNECTION**  
 3/4" = 1'-0"  
 NOTES:  
 1. STIFFENER PLATE THICKNESS SHALL MATCH LARGER FLANGE THICKNESS UNO.



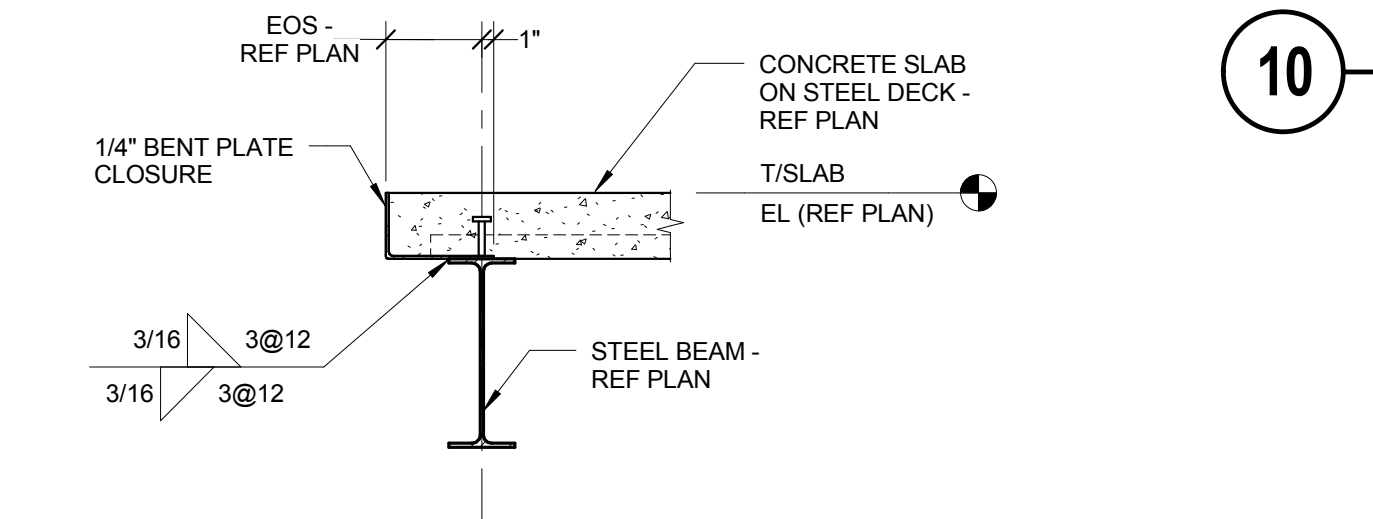
**19 STAIR STRINGER CONNECTION DETAIL**  
 3/4" = 1'-0"



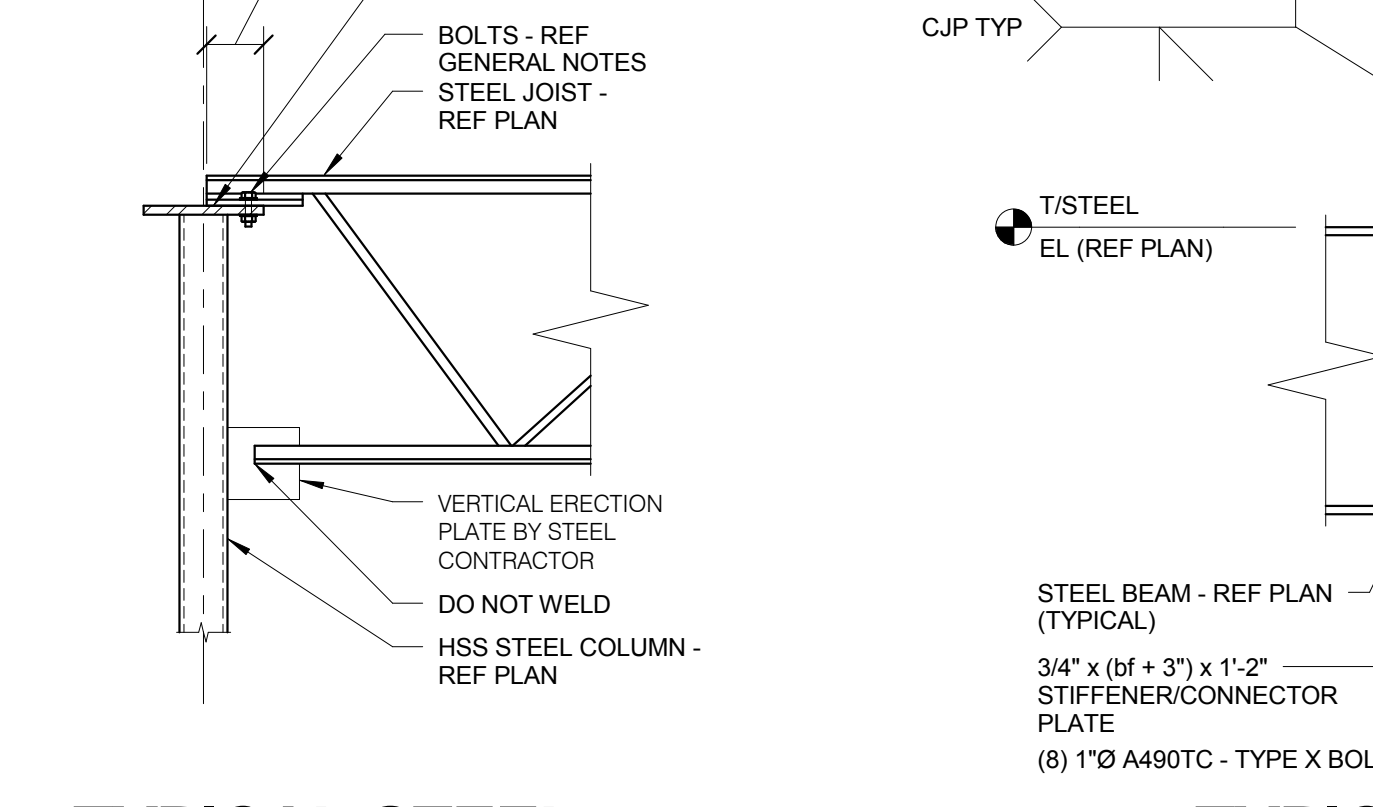
**3 PIPE COLUMN BASE PLATE DETAIL**  
 1 1/2" = 1'-0"  
 NOTES:  
 1. REFER TO TYPICAL ANCHOR ROD DETAIL FOR ADDITIONAL INFORMATION.



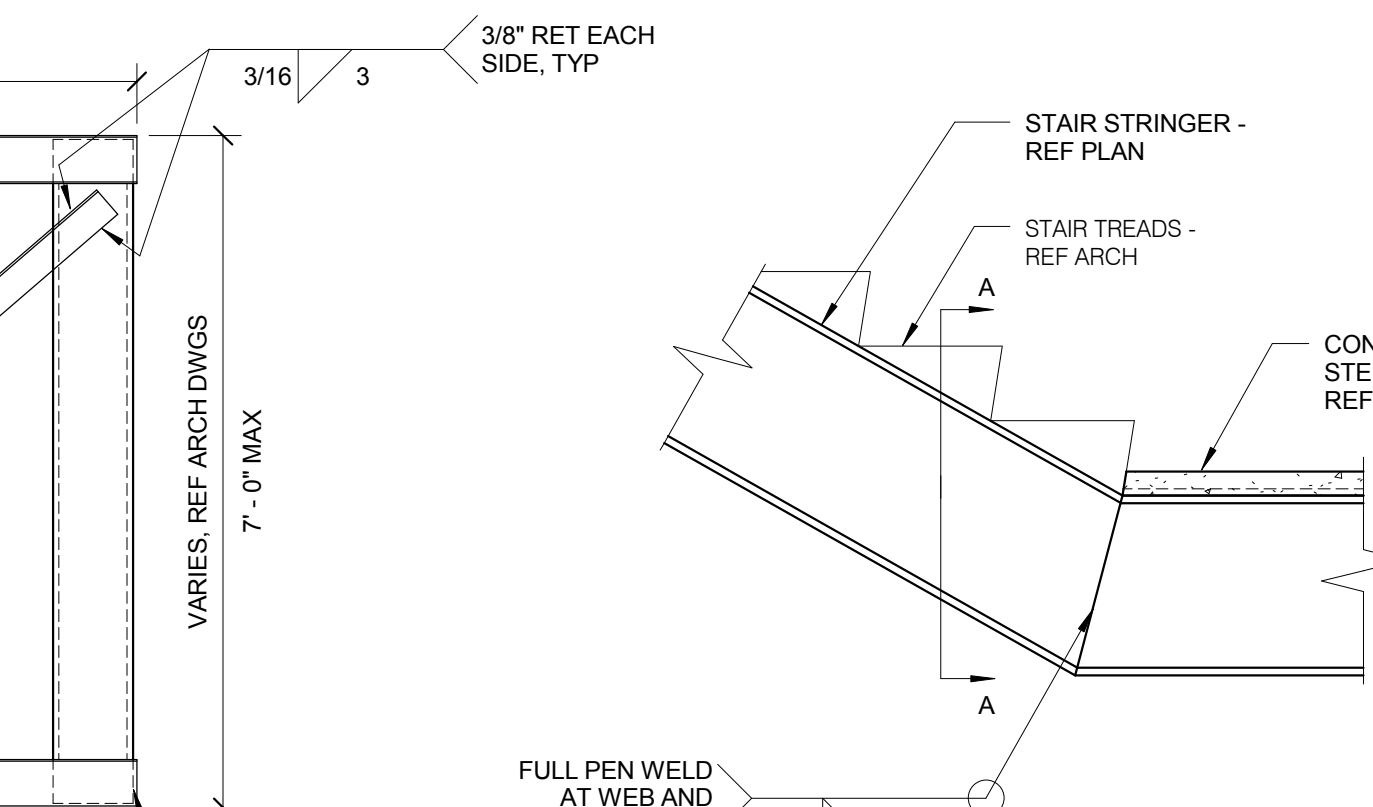
**8 SLAB EDGE DETAIL**  
 3/4" = 1'-0"



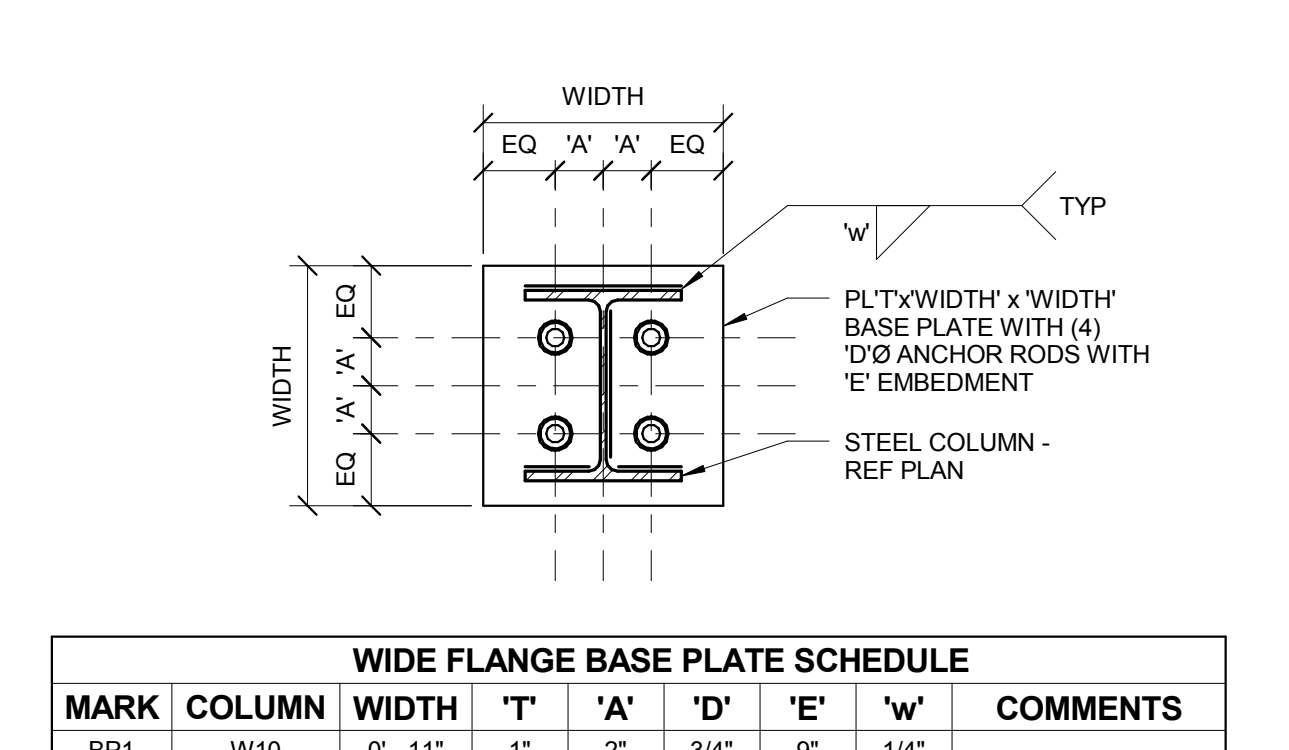
**9 TYPICAL SLAB EDGE DETAIL**  
 3/4" = 1'-0"



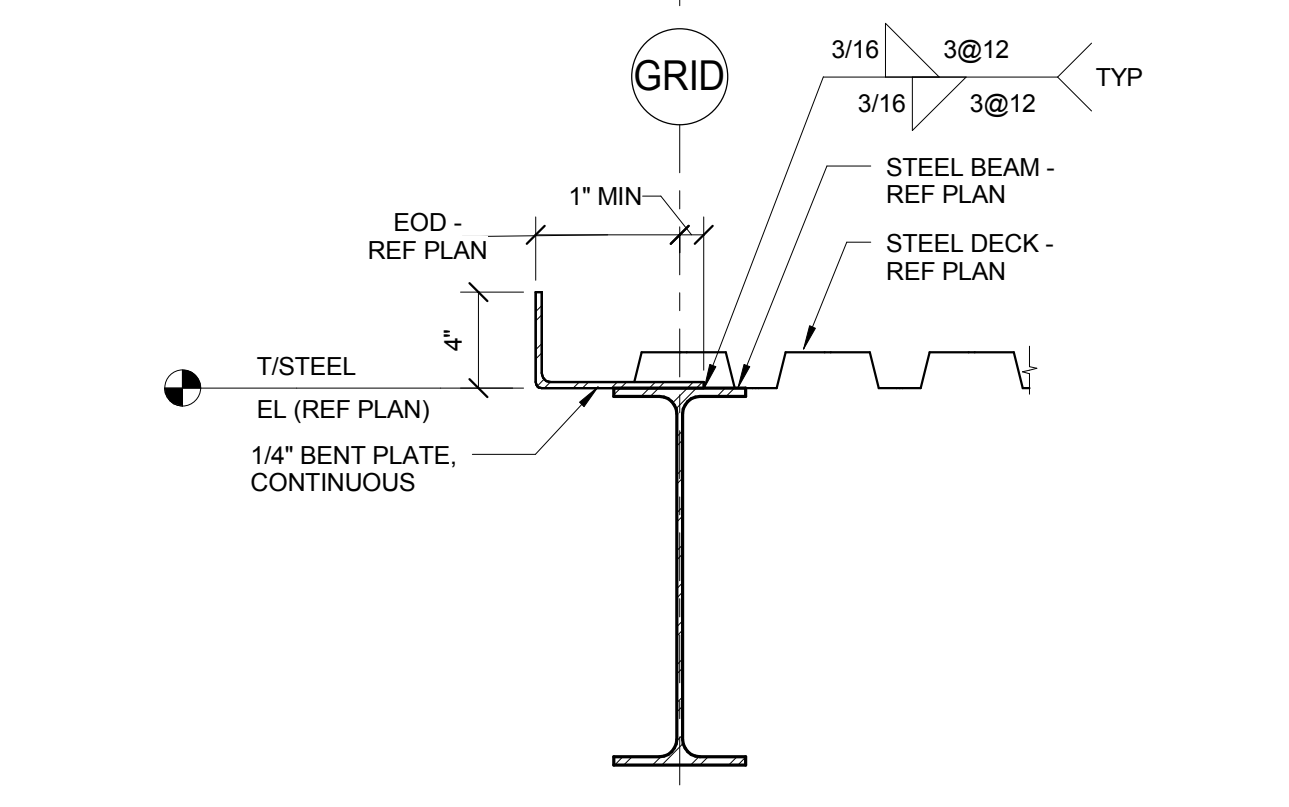
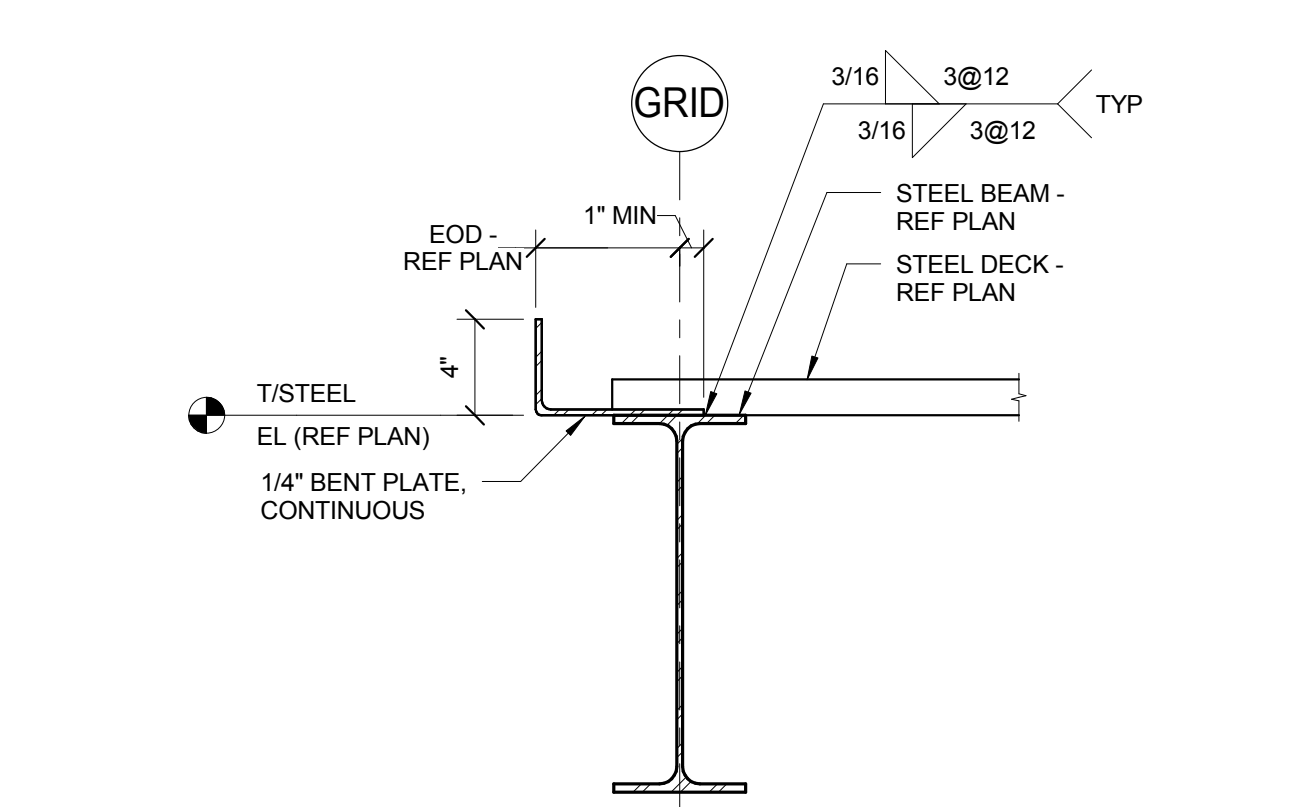
**14 TYPICAL STEEL JOIST AT HSS COLUMN**  
 3/4" = 1'-0"  
 NOTES:  
 1. GIRDER NOT SHOWN FOR CLARITY.  
 2. DECK NOT SHOWN FOR CLARITY.  
 3. CONNECTION SHOWN IS BASED ON STEEL JOIST INSTITUTE REQUIREMENTS FOR K-SERIES BAR JOISTS. CONNECTION DETAIL NOT APPLICABLE FOR LH-SERIES JOISTS OR JOIST GIRDERS.



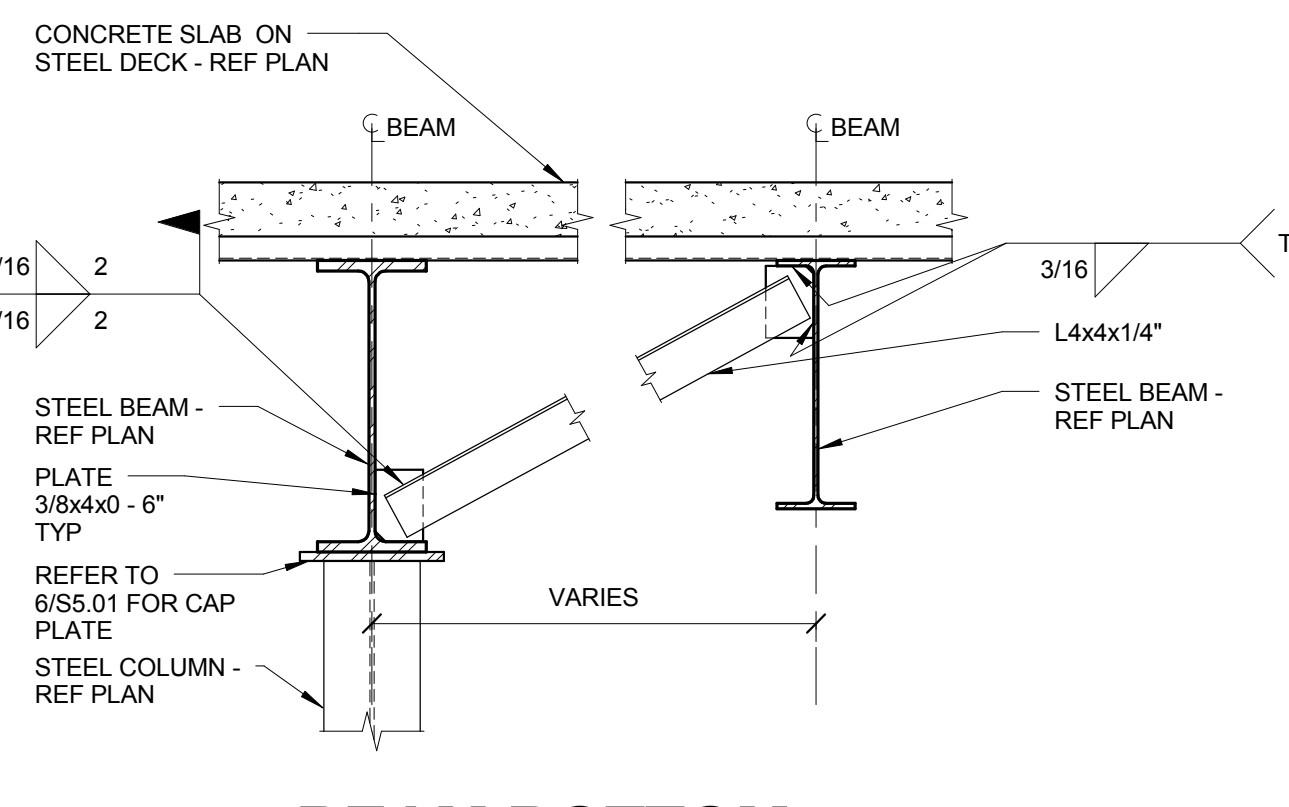
**18 TROPHY CASE FRAMING**  
 1/2" = 1'-0"



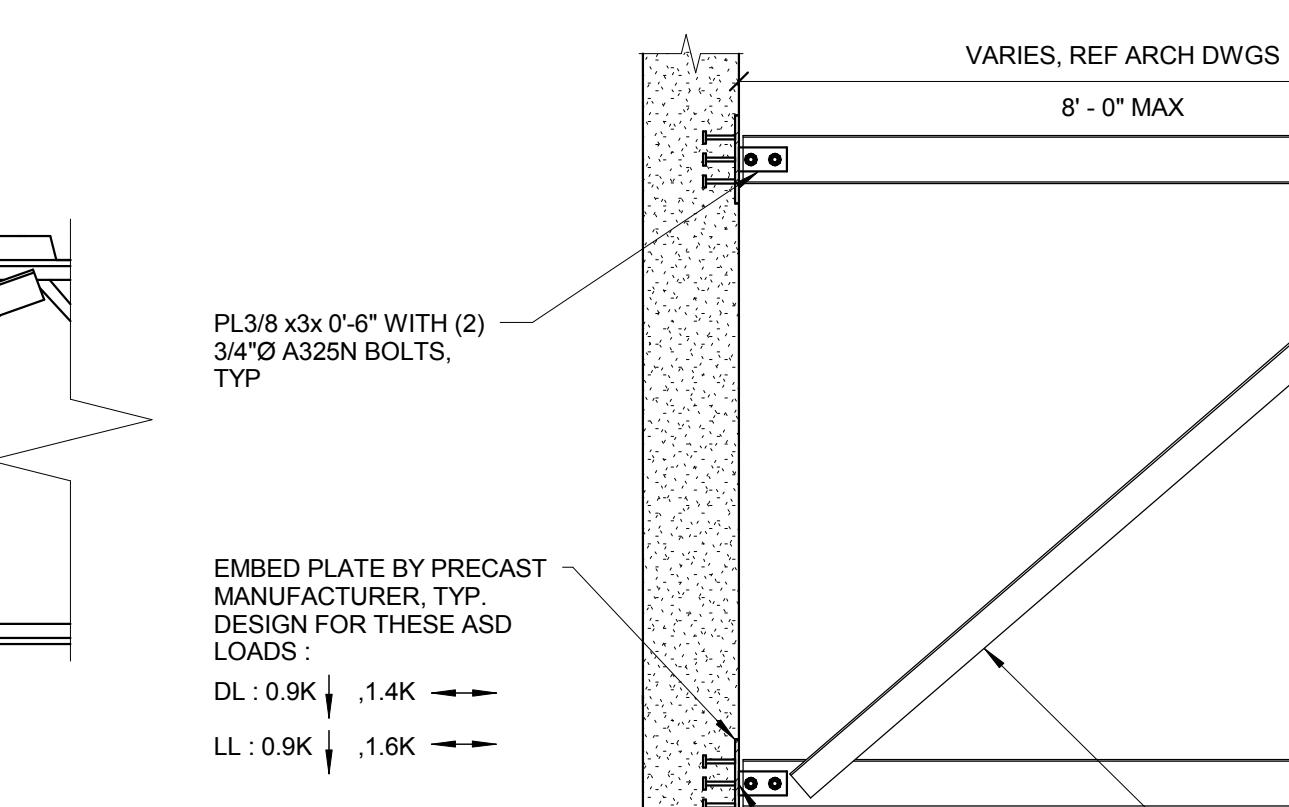
**2 WIDE FLANGE BASE PLATE DETAIL**  
 1 1/2" = 1'-0"  
 NOTES:  
 1. REFER TO TYPICAL ANCHOR ROD DETAIL FOR ADDITIONAL INFORMATION.  
 2. NO WELDS REQUIRED AT FLANGE TOES AND RADIIUSES.



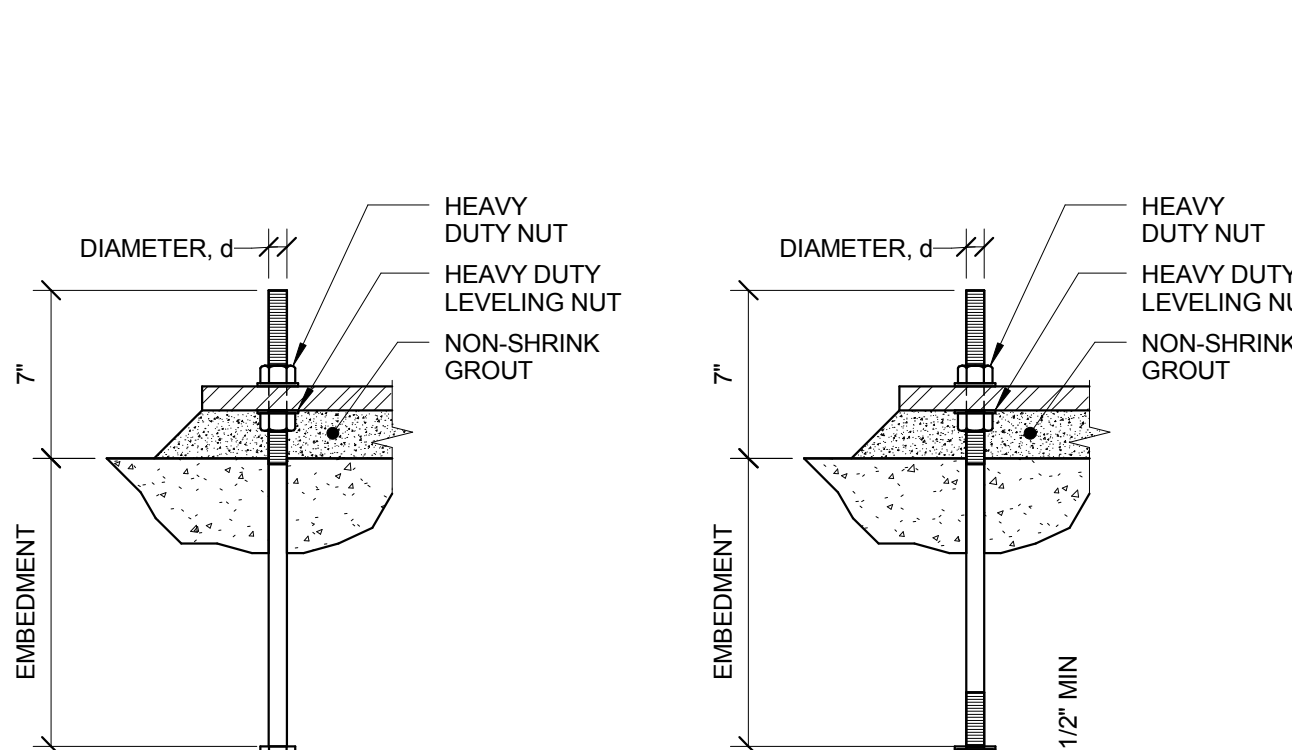
**7 TYPICAL CLOSURE PLATE DETAIL**  
 1 1/2" = 1'-0"



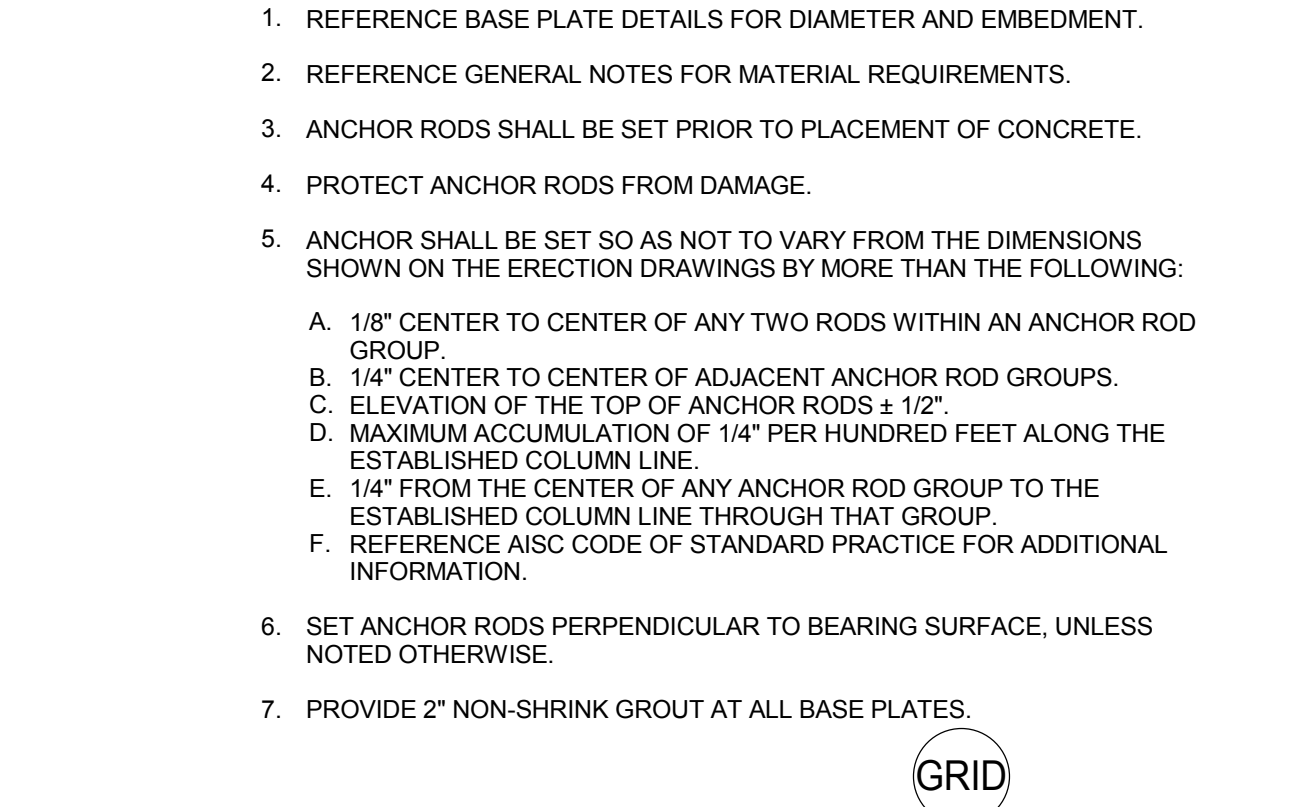
**13 BEAM BOTTOM FLANGE BRACE**  
 3/4" = 1'-0"



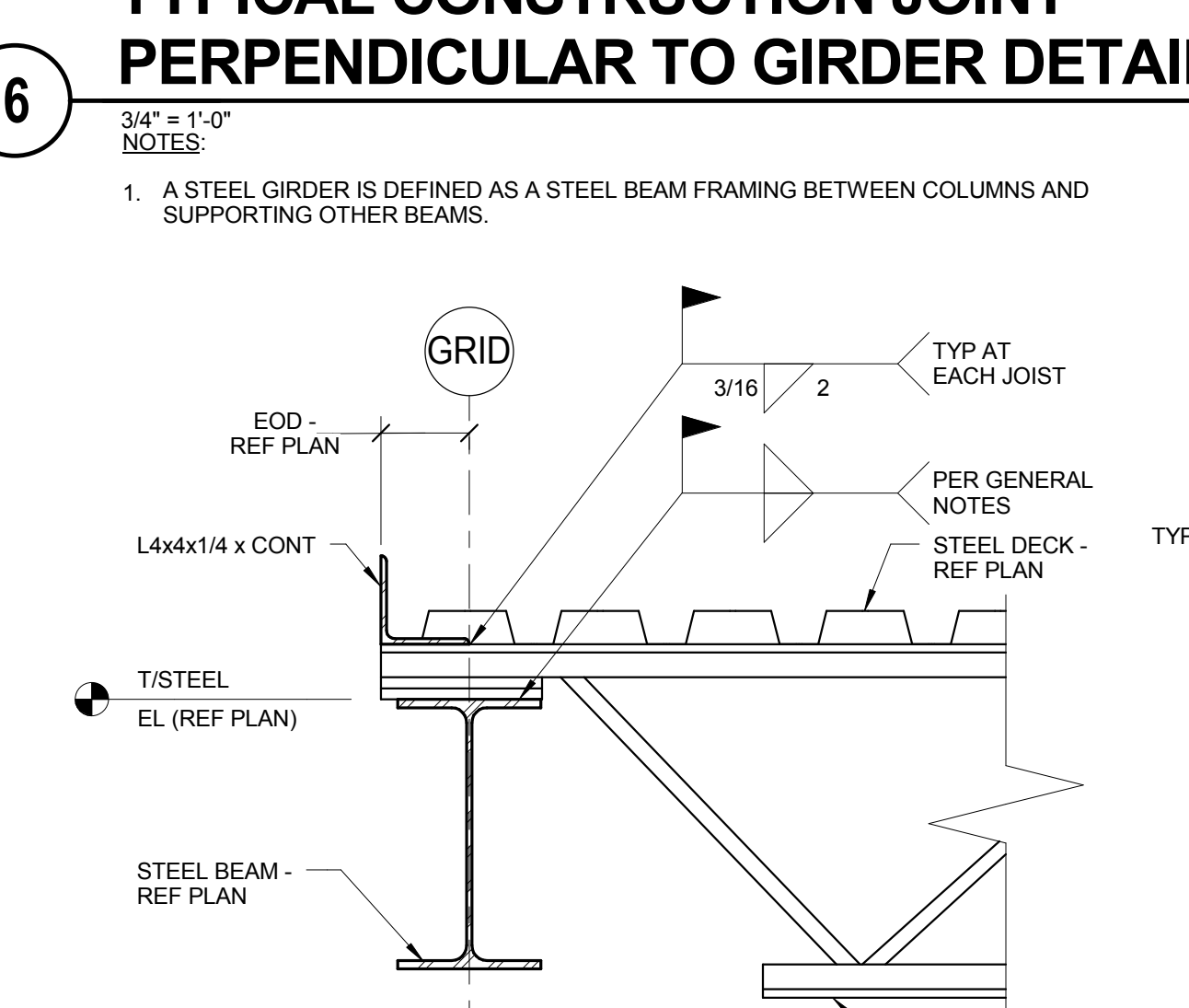
**18 TROPHY CASE FRAMING**  
 1/2" = 1'-0"



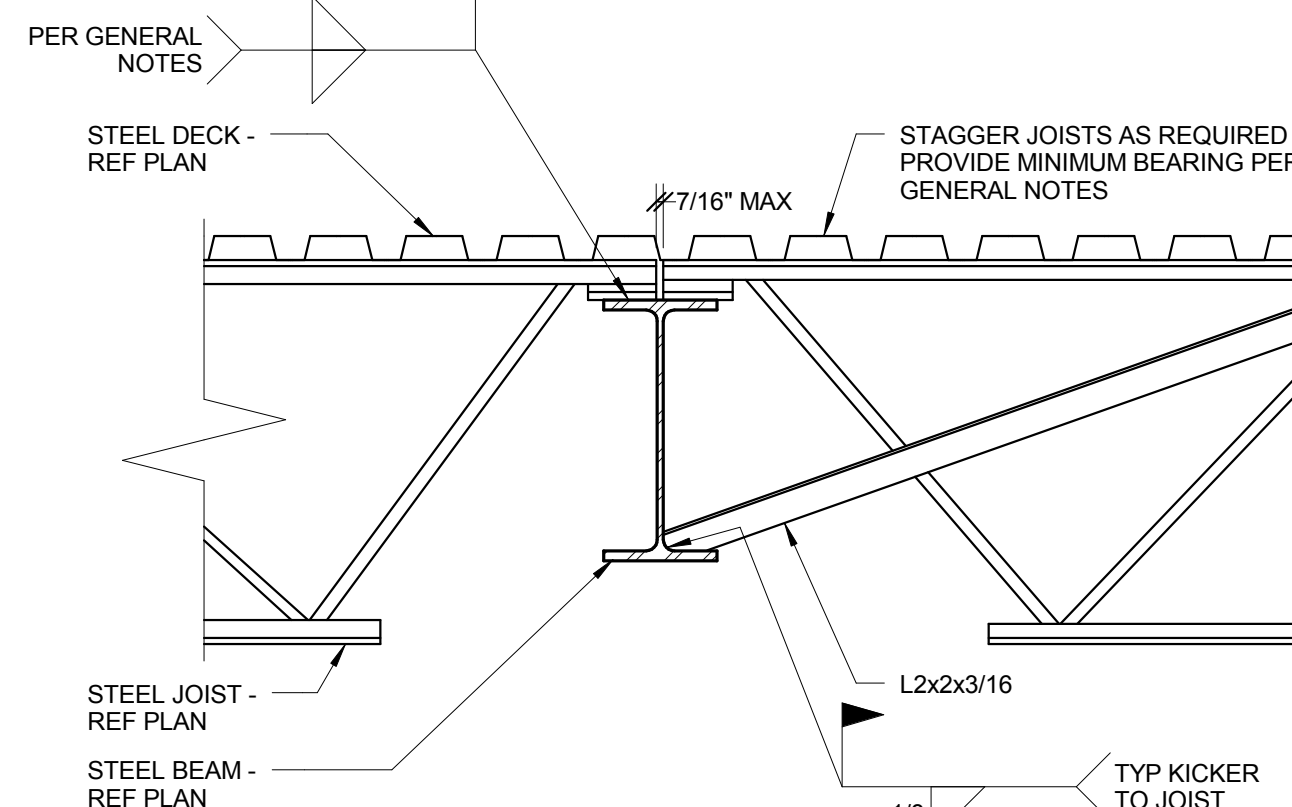
**1 TYPICAL ANCHOR ROD**  
 1 1/2" = 1'-0"  
 NOTES:  
 1. REFERENCE BASE PLATE DETAILS FOR DIAMETER AND EMBEDMENT.  
 2. REFERENCE GENERAL NOTES FOR MATERIAL REQUIREMENTS.  
 3. ANCHOR RODS SHALL BE SET PRIOR TO PLACEMENT OF CONCRETE.  
 4. PROTECT ANCHOR RODS FROM DAMAGE.  
 5. ANCHOR SHALL BE SET SO AS NOT TO VARY FROM THE DIMENSIONS SHOWN ON THE ERECTION DRAWINGS BY MORE THAN THE FOLLOWING:  
 A. 1/8" CENTER TO CENTER OF ANY TWO RODS WITHIN AN ANCHOR ROD GROUP.  
 B. 1/4" CENTER TO CENTER OF ADJACENT ANCHOR ROD GROUPS.  
 C. ELEVATION OF THE TOP OF ANCHOR RODS ± 1/2".  
 D. MAXIMUM ACCUMULATION OF 1/4" PER HUNDRED FEET ALONG THE ESTABLISHED COLUMN LINE.  
 E. 1/4" FROM THE CENTER OF ANY ANCHOR ROD GROUP TO THE ESTABLISHED COLUMN LINE THROUGH THAT GROUP.  
 F. REFERENCE AISC CODE OF STANDARD PRACTICE FOR ADDITIONAL INFORMATION.  
 6. SET ANCHOR RODS PERPENDICULAR TO BEARING SURFACE, UNLESS NOTED OTHERWISE.  
 7. PROVIDE 2" NON-SHRINK GROUT AT ALL BASE PLATES.



**6 TYPICAL CONSTRUCTION JOINT PERPENDICULAR TO GIRDER DETAIL**  
 3/4" = 1'-0"  
 NOTES:  
 1. A STEEL GIRDER IS DEFINED AS A STEEL BEAM FRAMING BETWEEN COLUMNS AND SUPPORTING OTHER BEAMS.

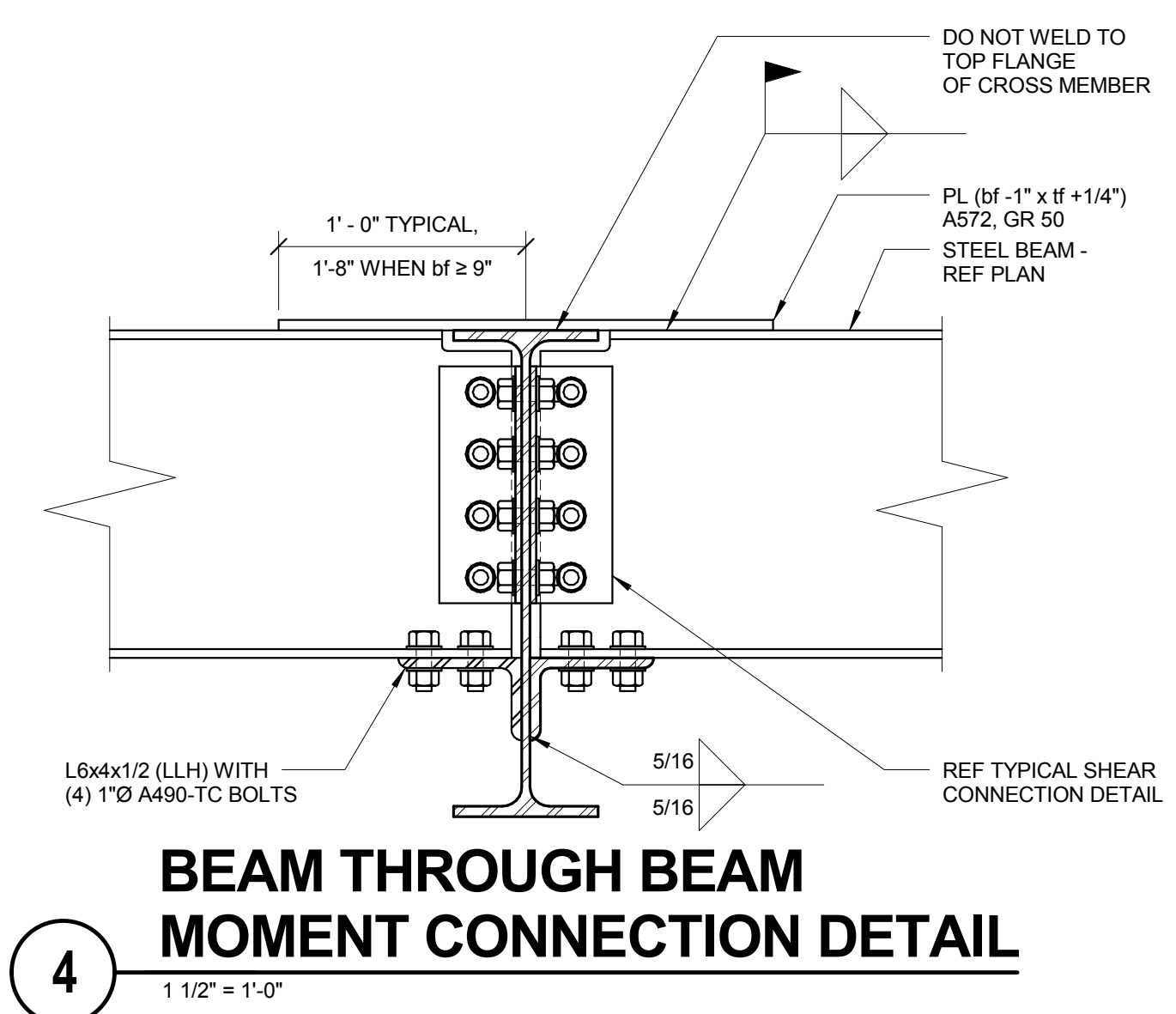


**12 TYPICAL ROOF EDGE DETAIL**  
 1 1/2" = 1'-0"

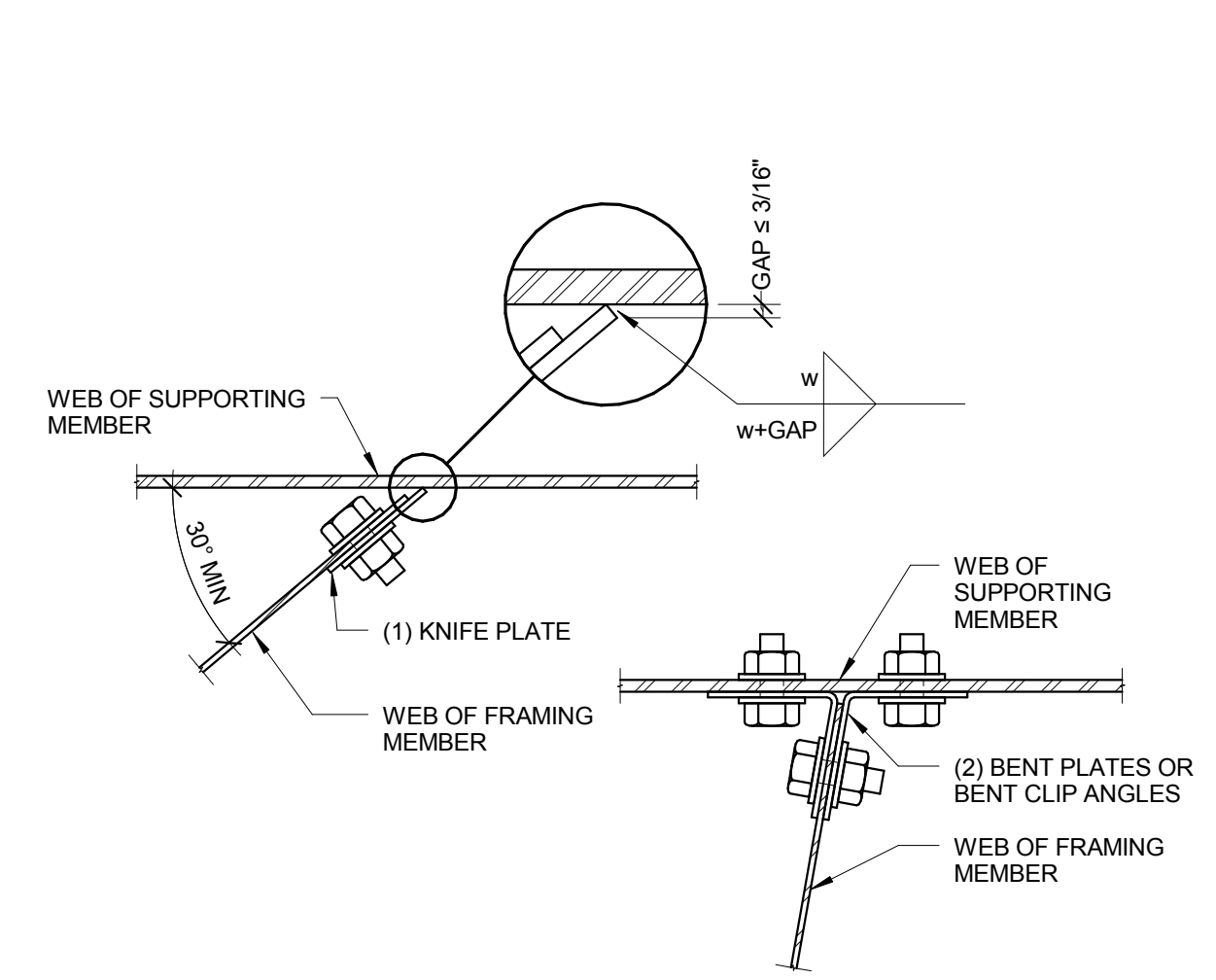


**17 CONTINUOUS SPAN BRACING DETAIL**  
 1" = 1'-0"  
 NOTES:  
 1. JOISTS AT OR IMMEDIATELY ADJACENT TO COLUMNS SHALL BE BOLTED WITH (2) BOLTS ON BEAM GAGE. REFER TO GENERAL NOTES FOR BOLT DIAMETER.

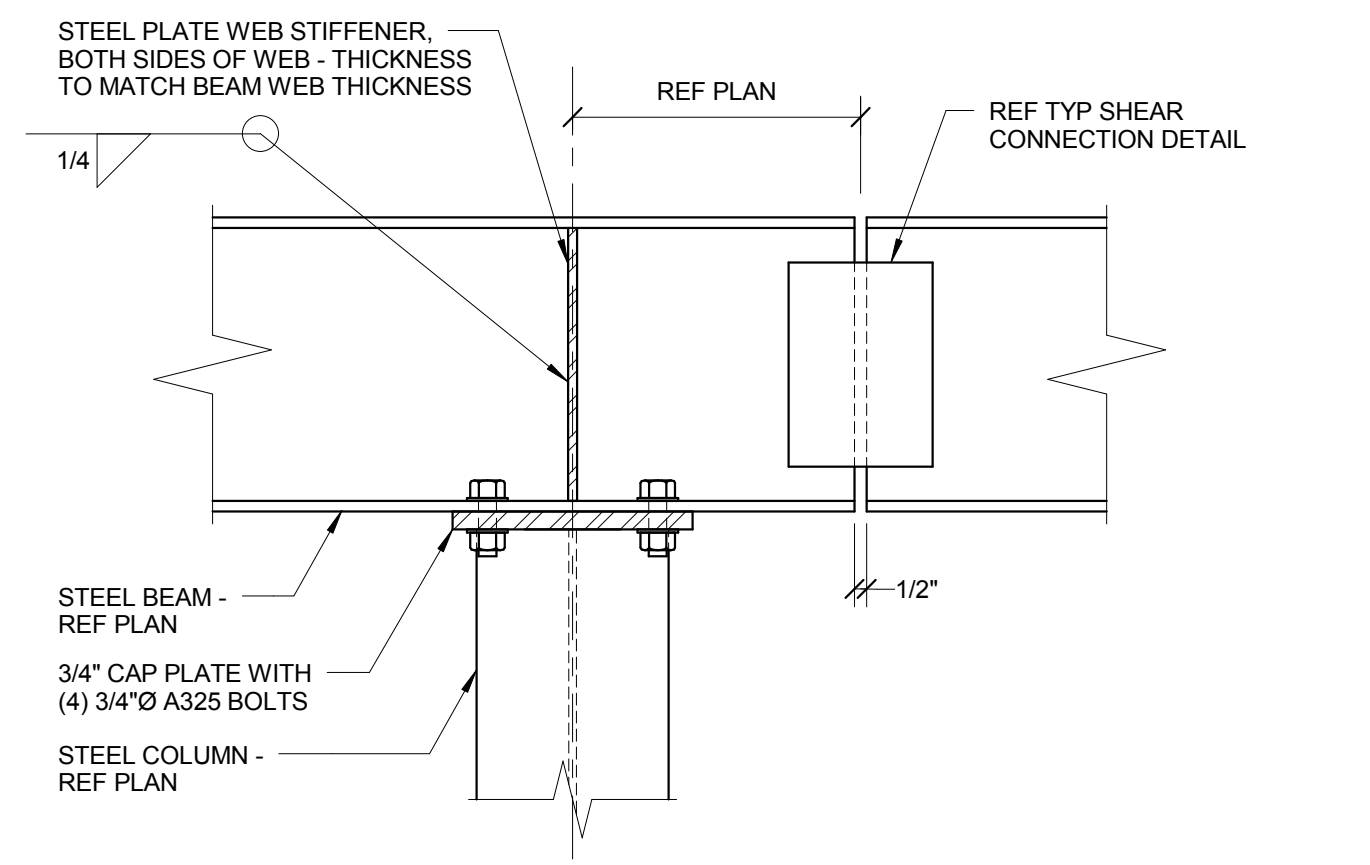
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14044.00  
 Issue Design Firm Registration #18-00973  
 KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, IN THIS DRAWING. ALL THE DATA SHOWN THEREIN, SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.



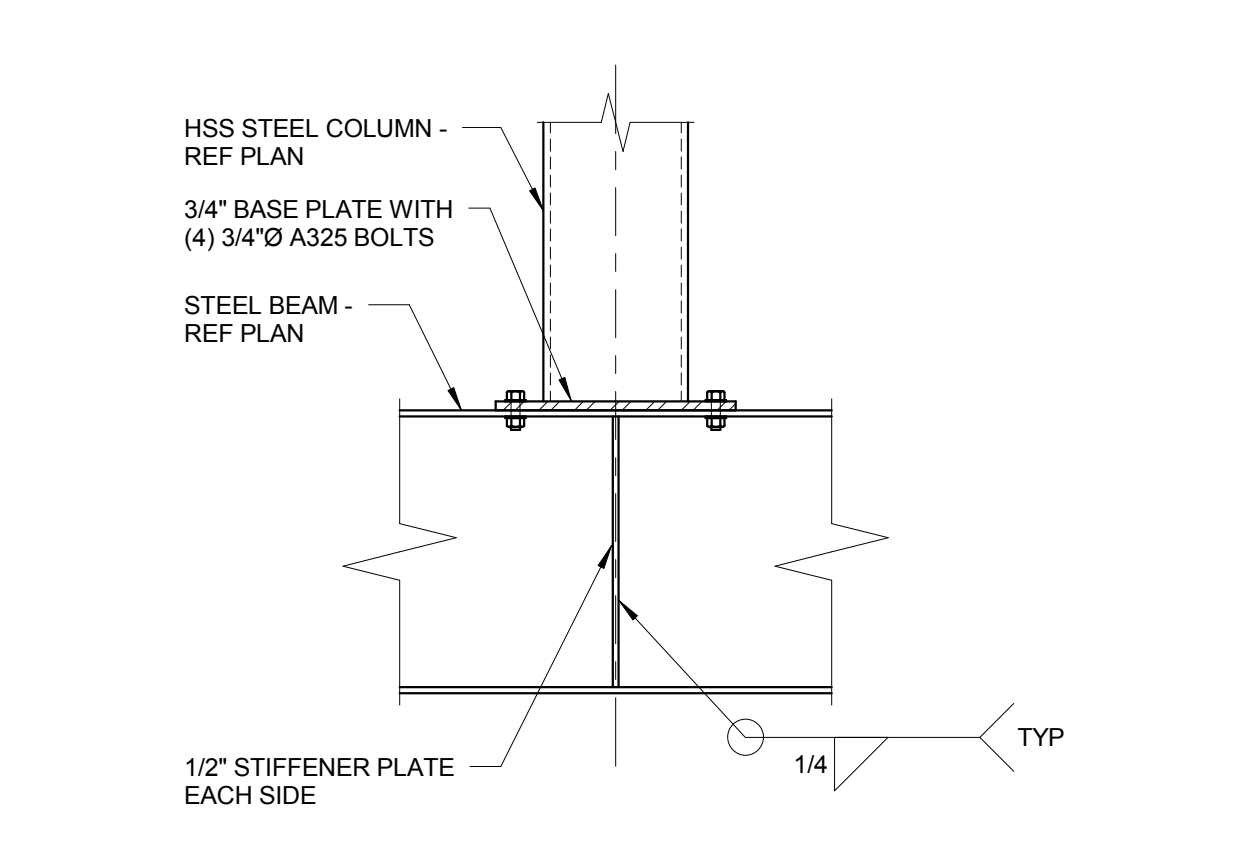
**4 BEAM THROUGH BEAM MOMENT CONNECTION DETAIL**  
 1 1/2" = 1'-0"



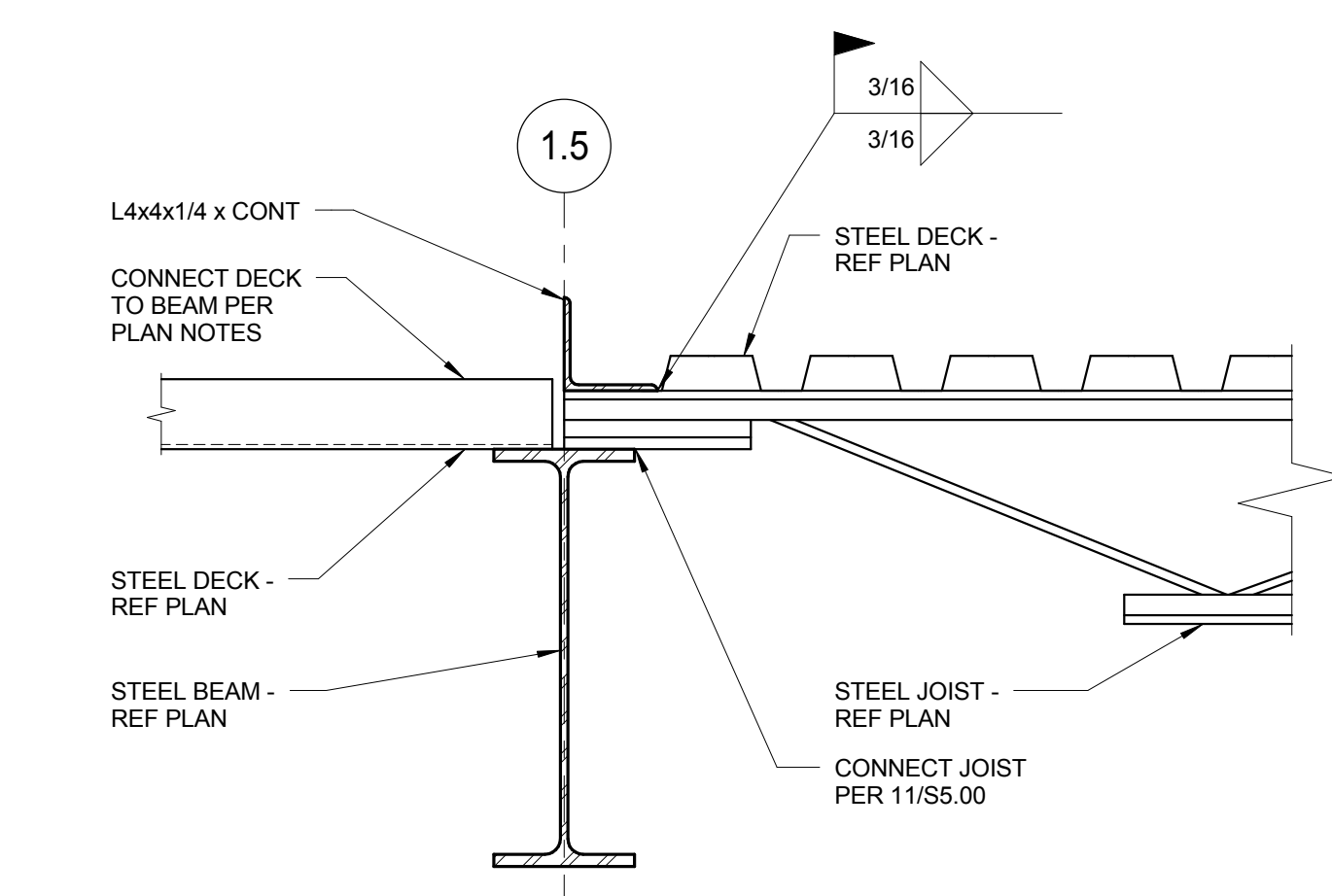
**3 TYPICAL SKEWED CONNECTION**  
 3/4" = 1'-0"  
 NOTES:  
 1. DETAILER MAY SELECT DOUBLE BENT ANGLES, DOUBLE BENT PLATES, OR SINGLE KNIFE PLATE AS BEST APPLIES TO CONNECTION.  
 2. 'W' IS WELD SIZE FROM TYPICAL SHEAR CONNECTION.



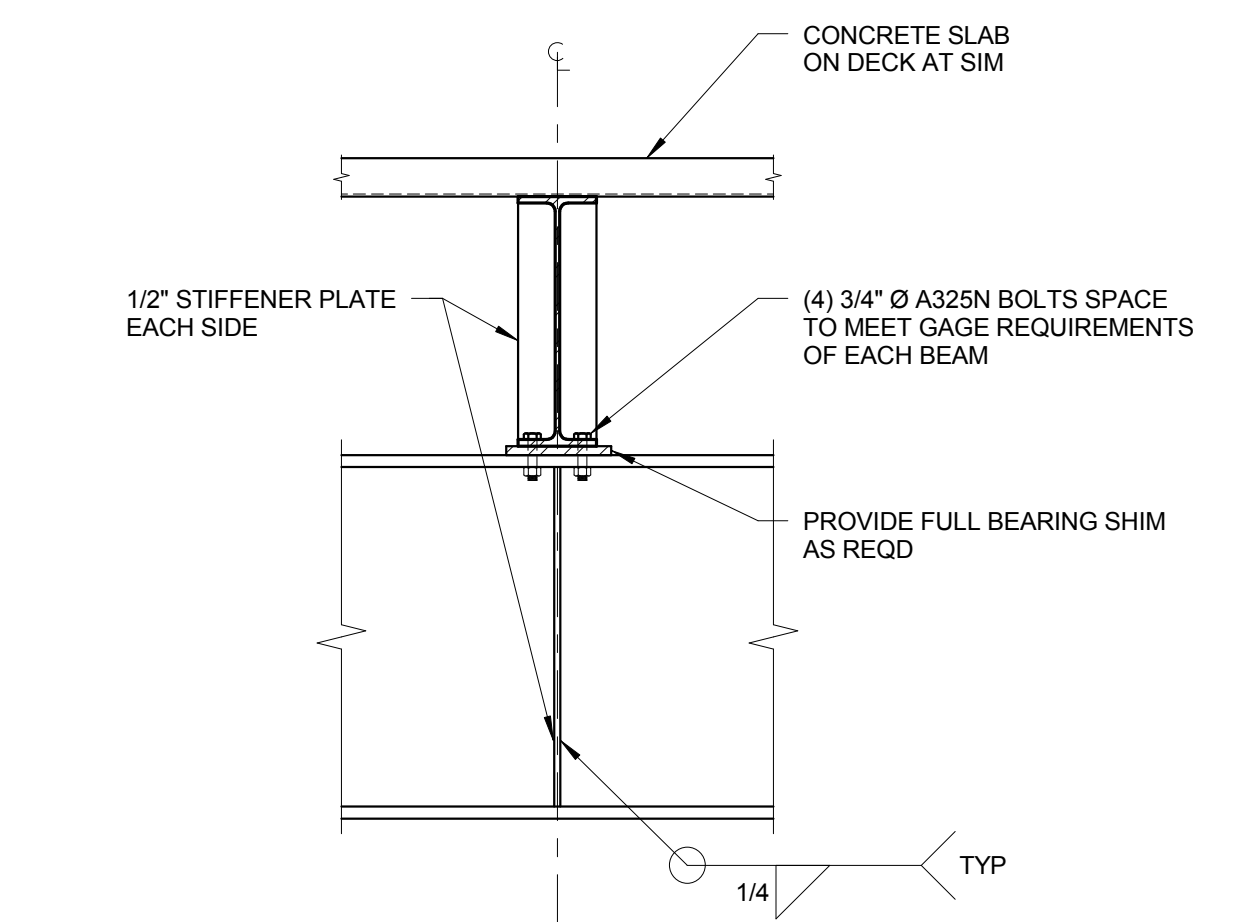
**8 BEAM SPLICE OVER COLUMN**  
 1 1/2" = 1'-0"  
 NOTES:  
 1. USE SMALLER OF TWO BEAMS FOR SHEAR CONNECTION DETAIL.  
 2. EITHER WELDED OR BOLTED CONNECTIONS MAY BE EMPLOYED.



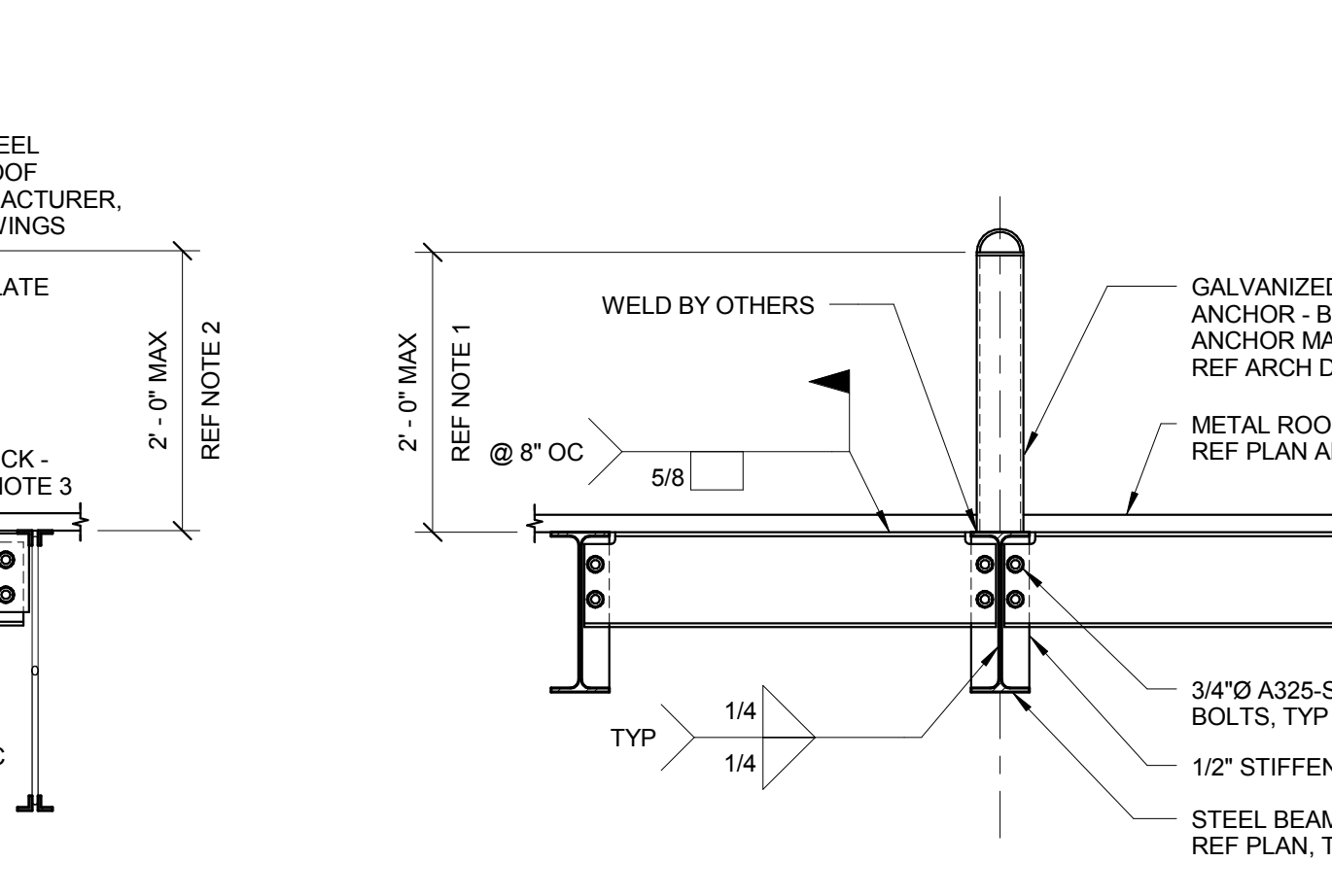
**7 COLUMN BEARING ON BEAM**  
 3/4" = 1'-0"



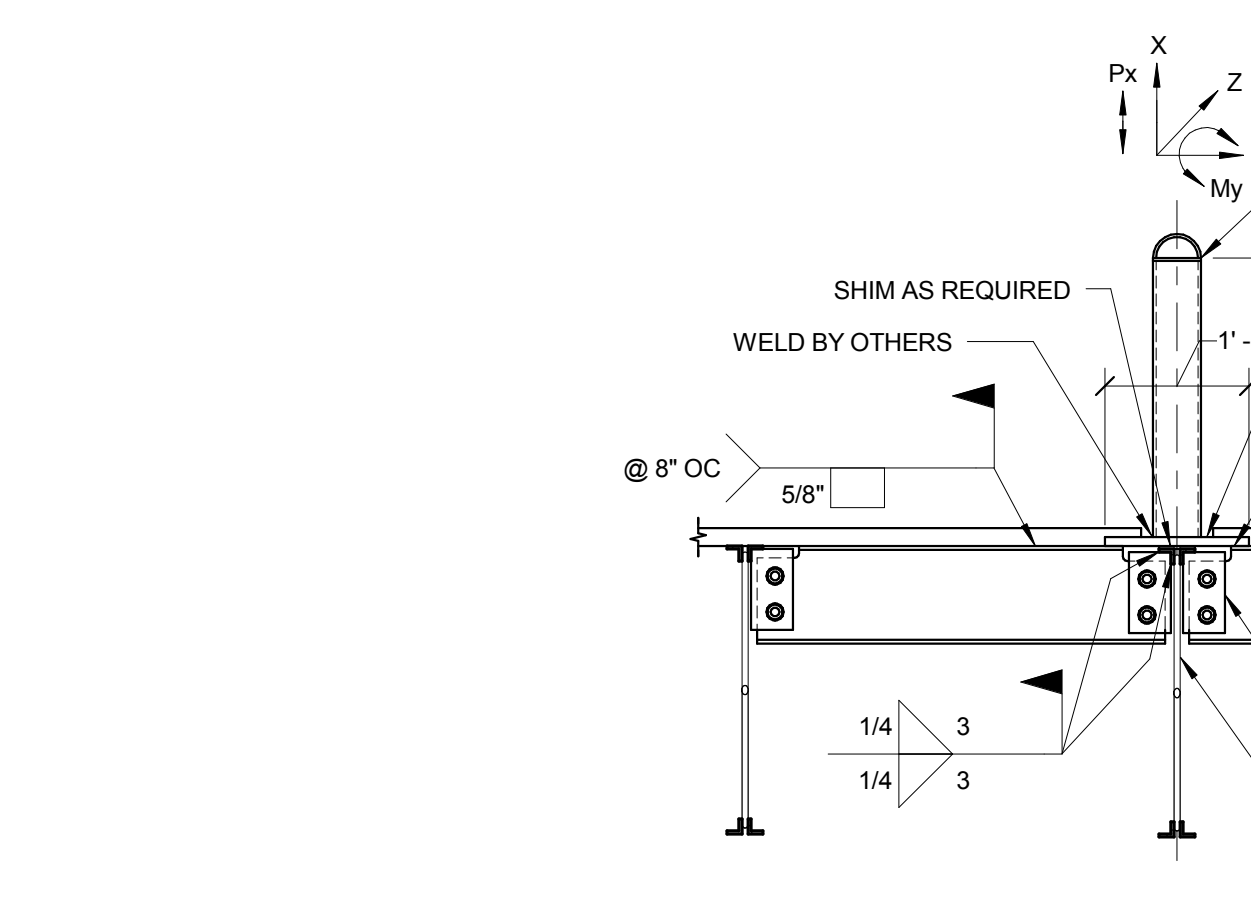
**10 BEAM ON GRID 1.5**  
 1 1/2" = 1'-0"



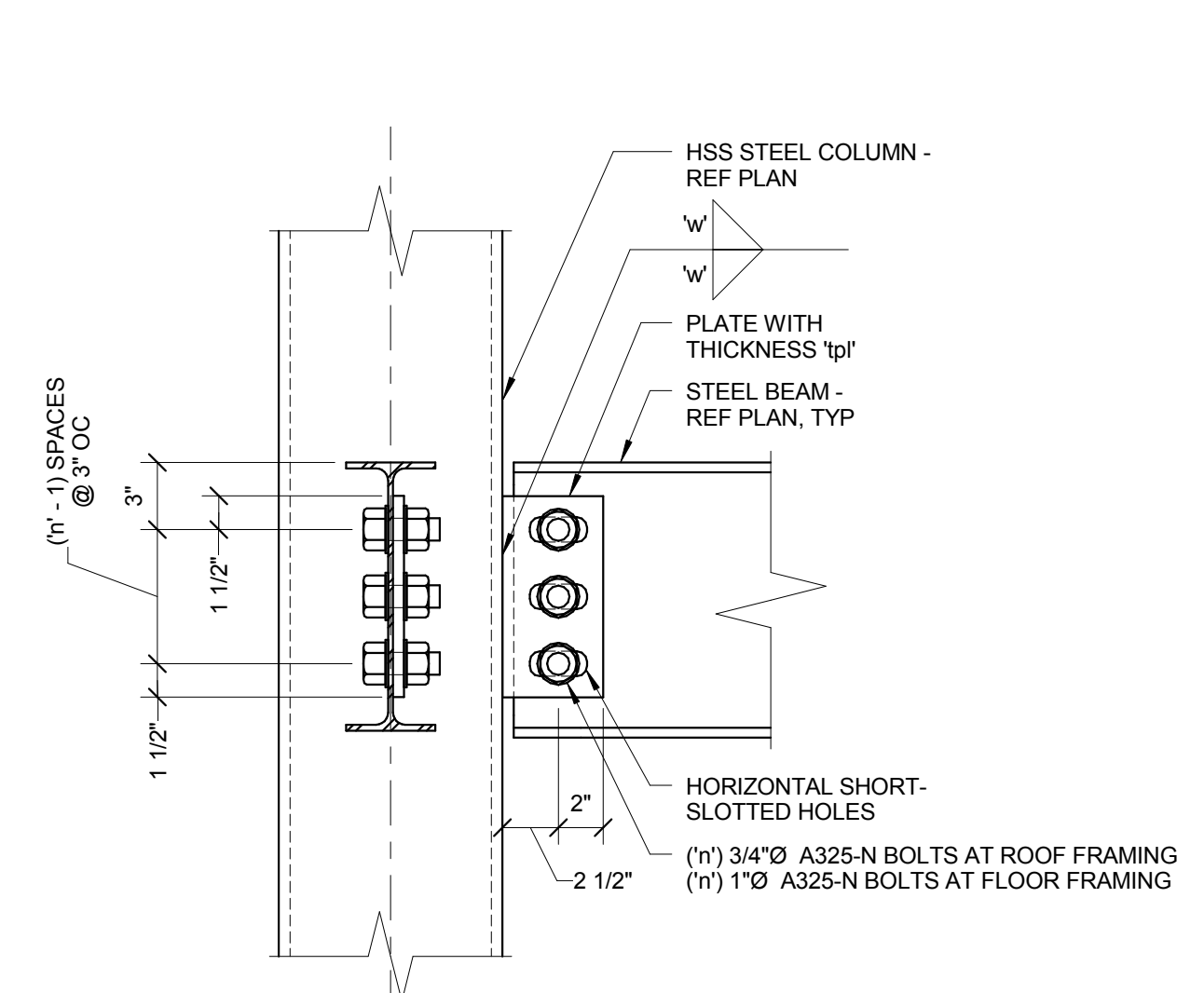
**9 BEAM OVER BEAM CANTILEVER**  
 3/4" = 1'-0"



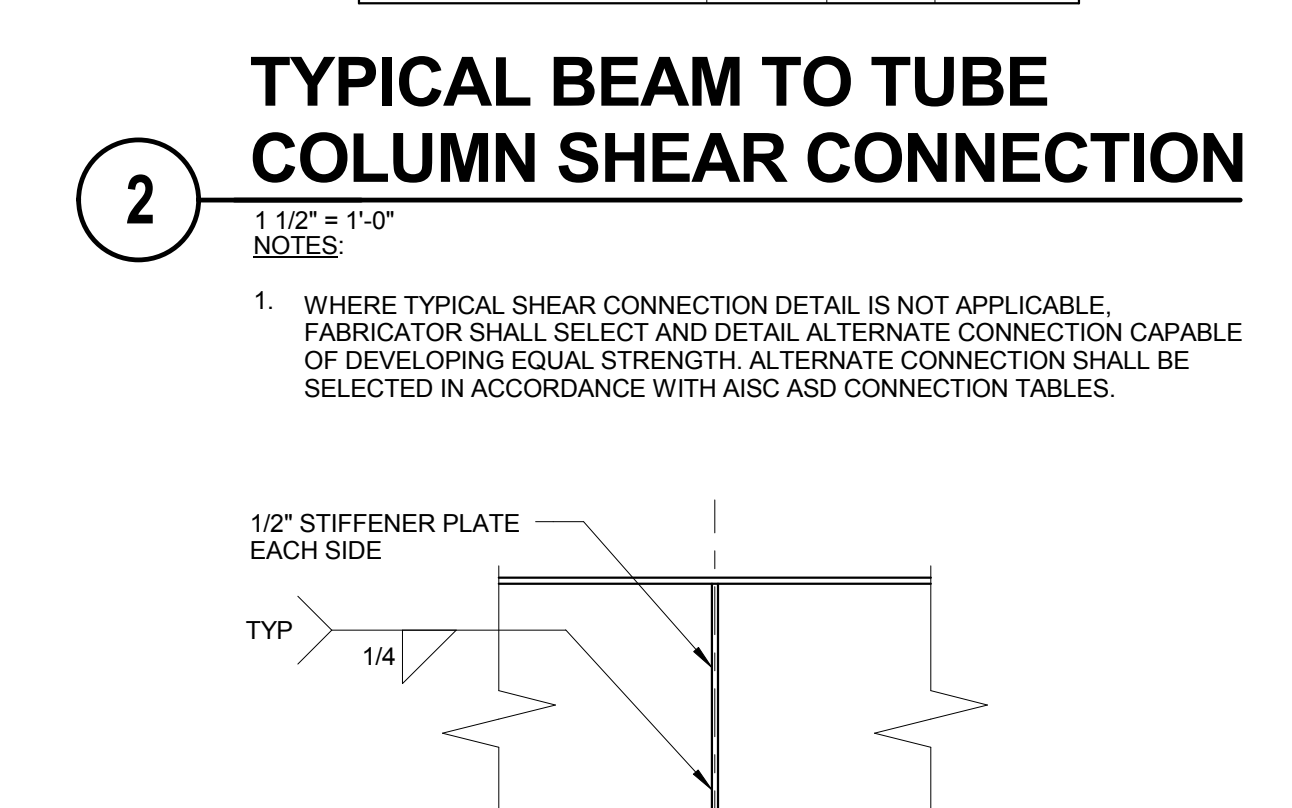
**15 ROOF ANCHOR DETAIL AT BEAM**  
 3/4" = 1'-0"  
 NOTES:  
 1. IF HEIGHT OF THE BACK EXCEEDS DIMENSION SHOWN, CONTACT STRUCTURAL ENGINEER AND JOIST MANUFACTURER.  
 2. DECK MANUFACTURER TO LAY OUT ROOF DECK SO BOTTOM OF FLUTE ALIGNS WITH W8 STEEL BEAM TO INSURE PUDDLE WELD CONNECTION BETWEEN BEAM AND DECK.



**14 ROOF ANCHOR DETAIL AT JOISTS**  
 3/4" = 1'-0"  
 NOTES:  
 1. DESIGN JOISTS FOR THE ADDITIONAL LIVE LOADS AT THE ROOF ANCHOR LOCATIONS. P = 5000 LBS. M = 10,000 LBS.-FT. MOMENT IS ALONG STRONG AXIS OF JOIST.  
 2. IF HEIGHT OF THE BACK EXCEEDS DIMENSION SHOWN, CONTACT STRUCTURAL ENGINEER AND JOIST MANUFACTURER.  
 3. DECK MANUFACTURER TO LAY OUT ROOF DECK SO BOTTOM OF FLUTE ALIGNS WITH W8 STEEL BEAM TO INSURE PUDDLE WELD CONNECTION BETWEEN BEAM AND DECK.



**2 TYPICAL BEAM TO TUBE COLUMN SHEAR CONNECTION**  
 1 1/2" = 1'-0"  
 NOTES:  
 1. WHERE TYPICAL SHEAR CONNECTION DETAIL IS NOT APPLICABLE, FABRICATOR SHALL SELECT AND DETAIL ALTERNATE CONNECTION CAPABLE OF DEVELOPING EQUAL STRENGTH. ALTERNATE CONNECTION SHALL BE SELECTED IN ACCORDANCE WITH AISC ASD CONNECTION TABLES.



**6 BEAM BEARING ON COLUMN**  
 3/4" = 1'-0"

**DOUBLE ANGLE CONNECTION TABLE**

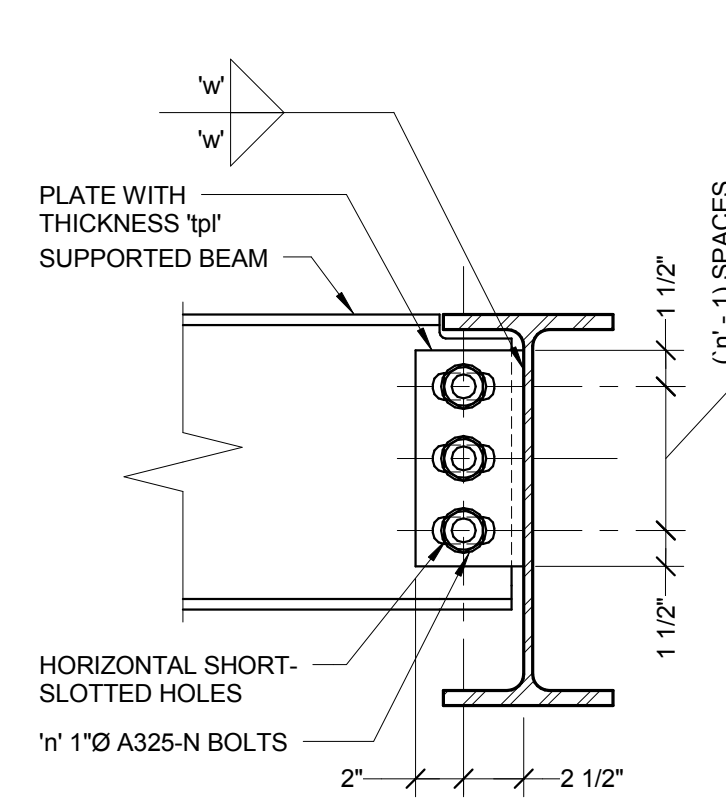
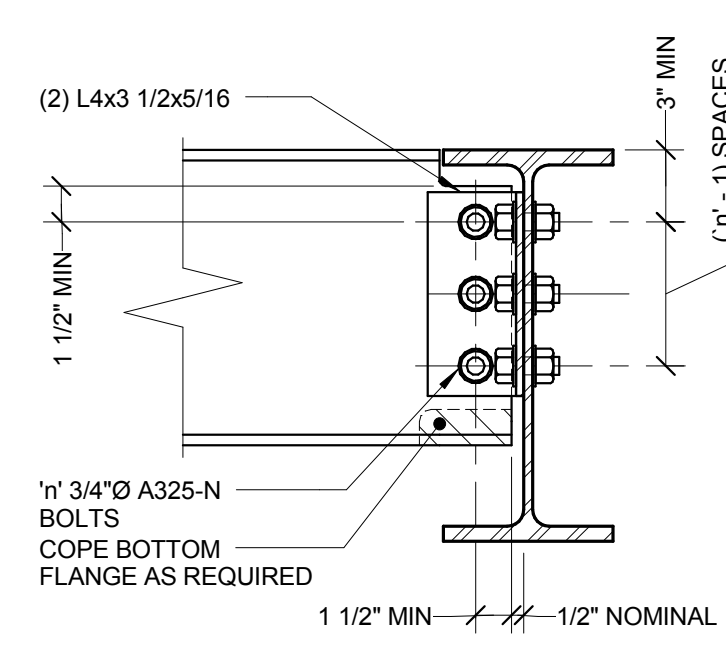
SUPPORTED BEAM	'n'
W8, W10	2
W12, W14	3
W16	4
W18	5
W21	6
W24, W27	7
W30	8
W33	9

**KNIFE PLATE CONNECTION TABLE**

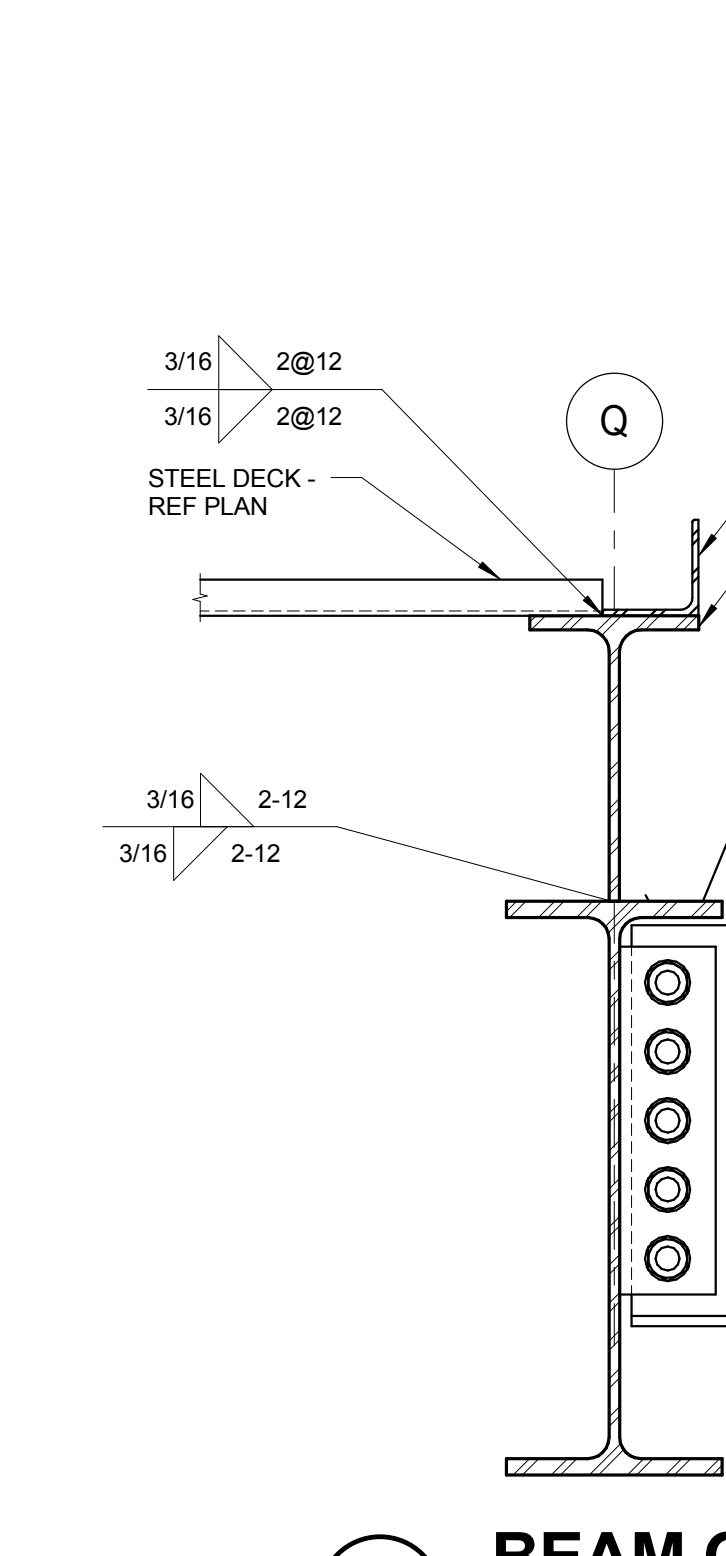
SUPPORTED BEAM	't'p'	'n'	'w'
W8, W10	1/4"	2	3/16"
W12, W14	5/16"	3	1/4"
W16	3/8"	4	1/4"
W18	3/8"	5	1/4"
W21	1/2"	6	5/16"
W24, W27	1/2"	7	5/16"
W30	1/2"	8	5/16"
W33	1/2"	9	5/16"

**KNIFE PLATE CONNECTION TABLE**

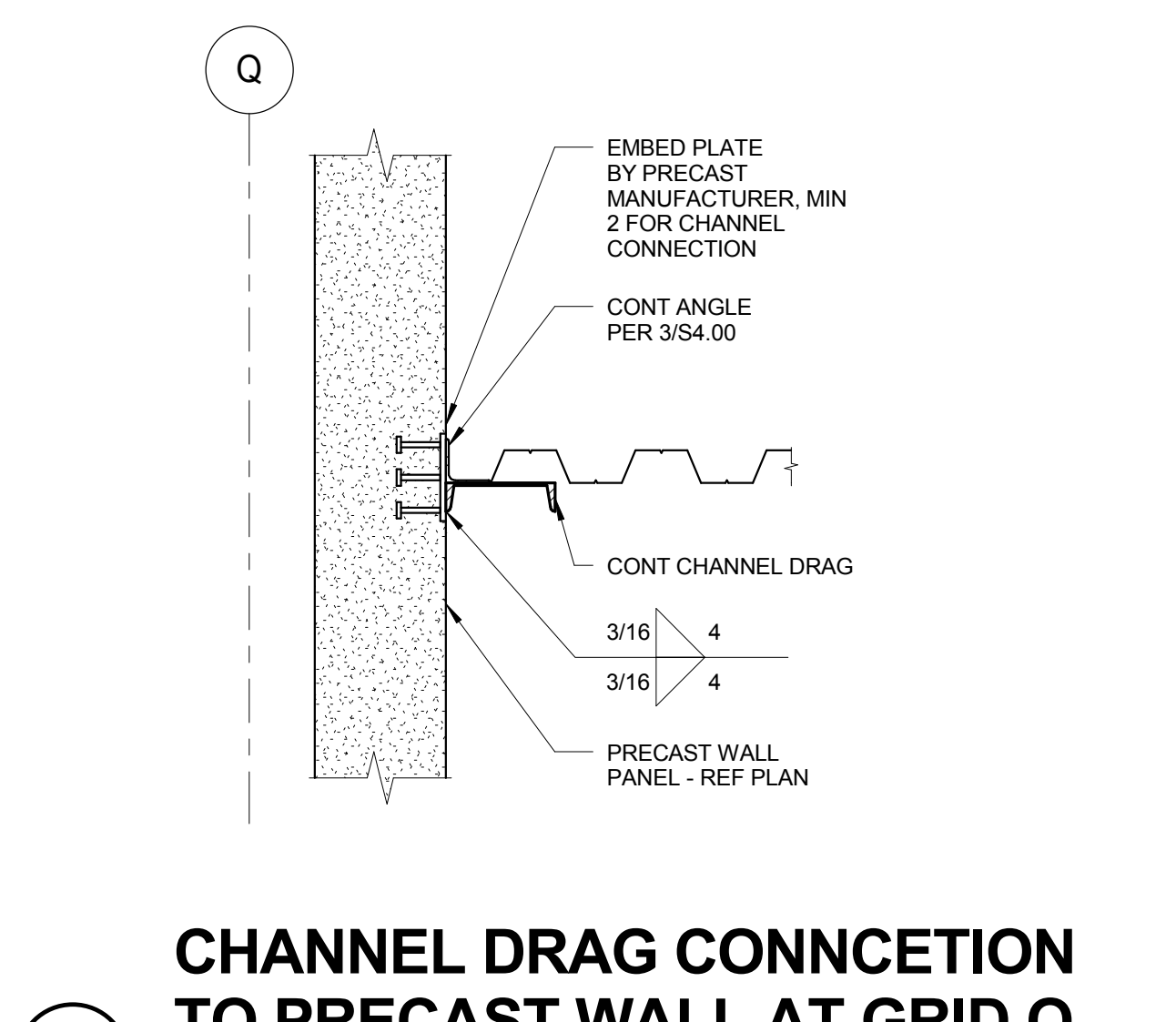
SUPPORTED BEAM	't'p'	'n'	'w'
W8, W10	1/4"	2	3/16"
W12, W14	5/16"	3	1/4"
W16	3/8"	4	1/4"
W18	1/2"	5	5/16"
W21	1/2"	6	5/16"
W24	1/2"	7	5/16"



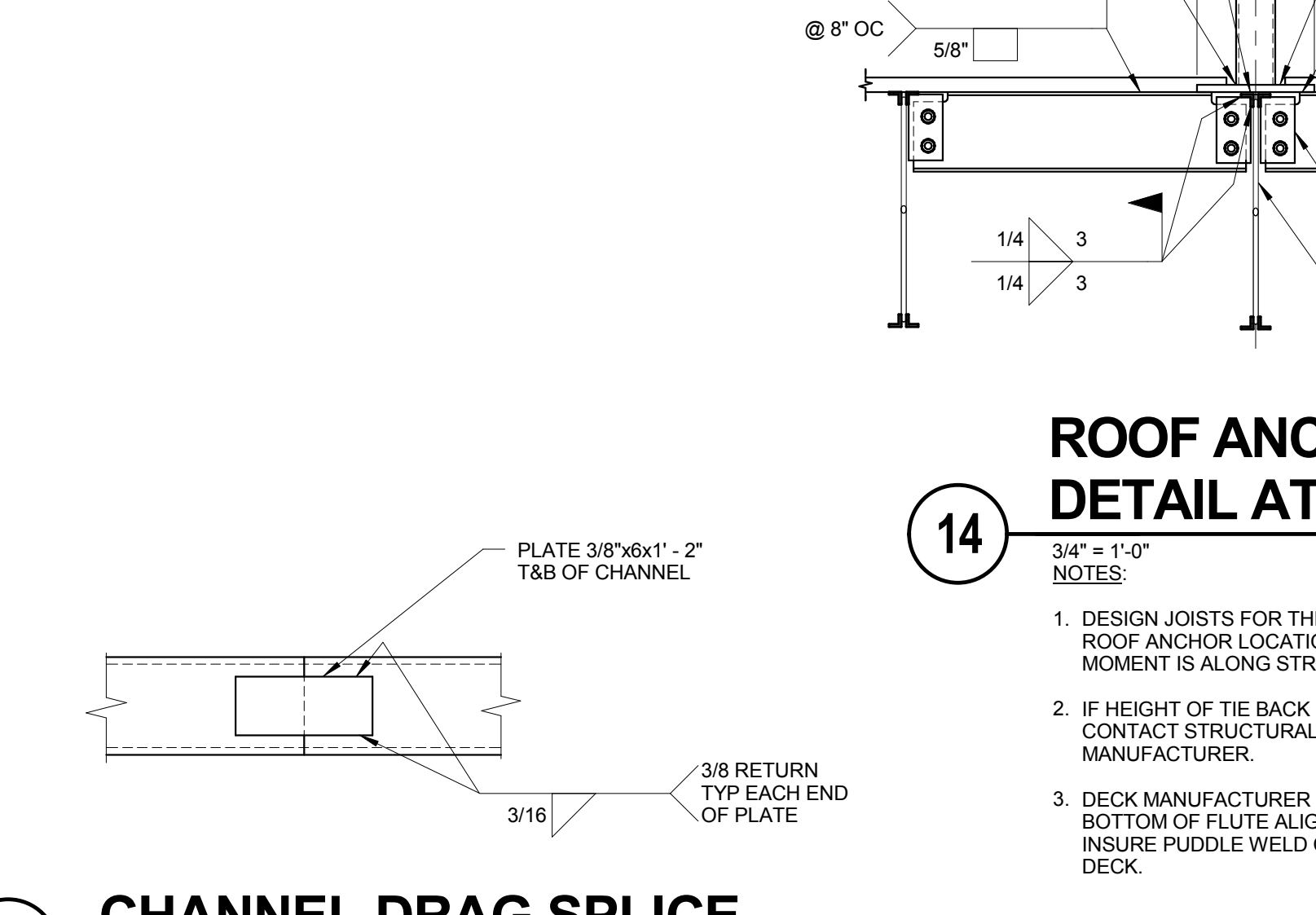
**1 TYPICAL SHEAR CONNECTION**  
 1 1/2" = 1'-0"  
 NOTES:  
 1. BOTH DOUBLE ANGLE AND KNIFE PLATE CONNECTION CONFIGURATIONS ARE ACCEPTABLE. UNLESS NOTED OTHERWISE, FABRICATOR AND DETAILER SHALL SELECT WHICH OPTION IS BEST SUITED FOR THEIR FABRICATION PROCESS AND THE ANTICIPATED ERECTION PROCEDURES.  
 2. KNIFE PLATE CONNECTION CONFIGURATION WITH STANDARD HOLES IS REQUIRED AT EACH END OF BEAM WITH AXIAL LOAD INDICATED ON PLAN.  
 3. DETAIL TO BE SIMILAR AT CONNECTIONS TO WIDE FLANGE OR HSS COLUMNS.  
 4. UNLESS NOTED OTHERWISE, PROVIDE SHEAR CONNECTIONS AS INDICATED BY THIS DETAIL.  
 5. DETAILER IS RESPONSIBLE FOR FULLY DEVELOPING GEOMETRY AND DIMENSIONAL INFORMATION REQUIRED TO FABRICATE.  
 6. WHERE TYPICAL SHEAR CONNECTION DETAIL IS NOT APPLICABLE, FABRICATOR SHALL SELECT AND DETAIL ALTERNATE CONNECTION CAPABLE OF DEVELOPING EQUAL STRENGTH. ALTERNATE CONNECTION SHALL BE SELECTED IN ACCORDANCE WITH AISC ASD CONNECTION TABLES.



**11 BEAM ON GRID Q**  
 1 1/2" = 1'-0"

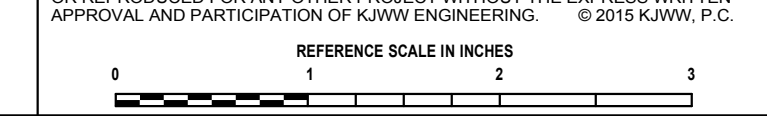


**12 CHANNEL DRAG CONNECTION TO PRECAST WALL AT GRID Q**  
 3/4" = 1'-0"



**13 CHANNEL DRAG SPLICE**  
 3/4" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14044.00  
 DESIGN FIRM REGISTRATION #18-08973  
 KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA THEREON. THIS DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.





KEY PLAN:

SHEET STATUS: 7-17-15

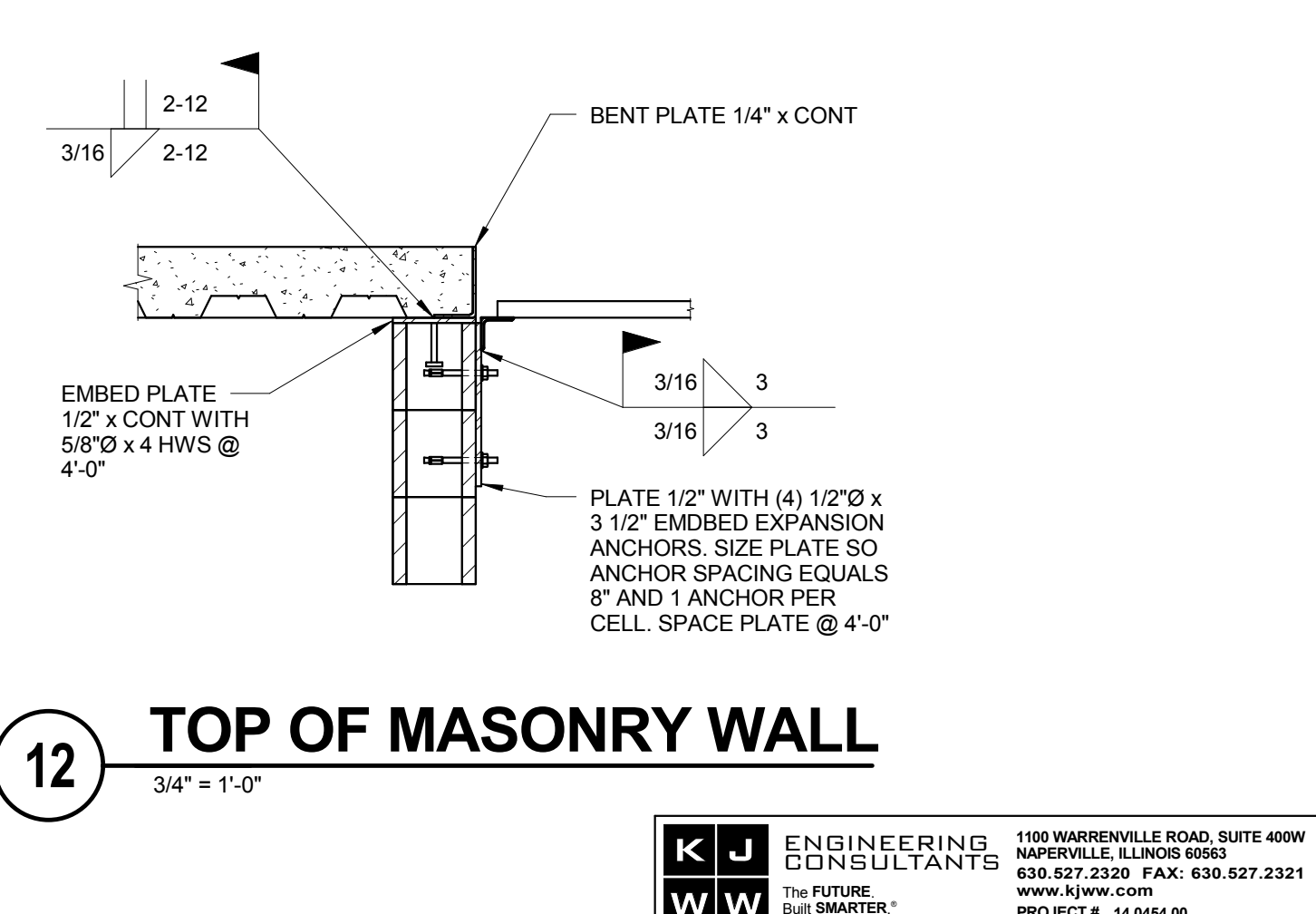
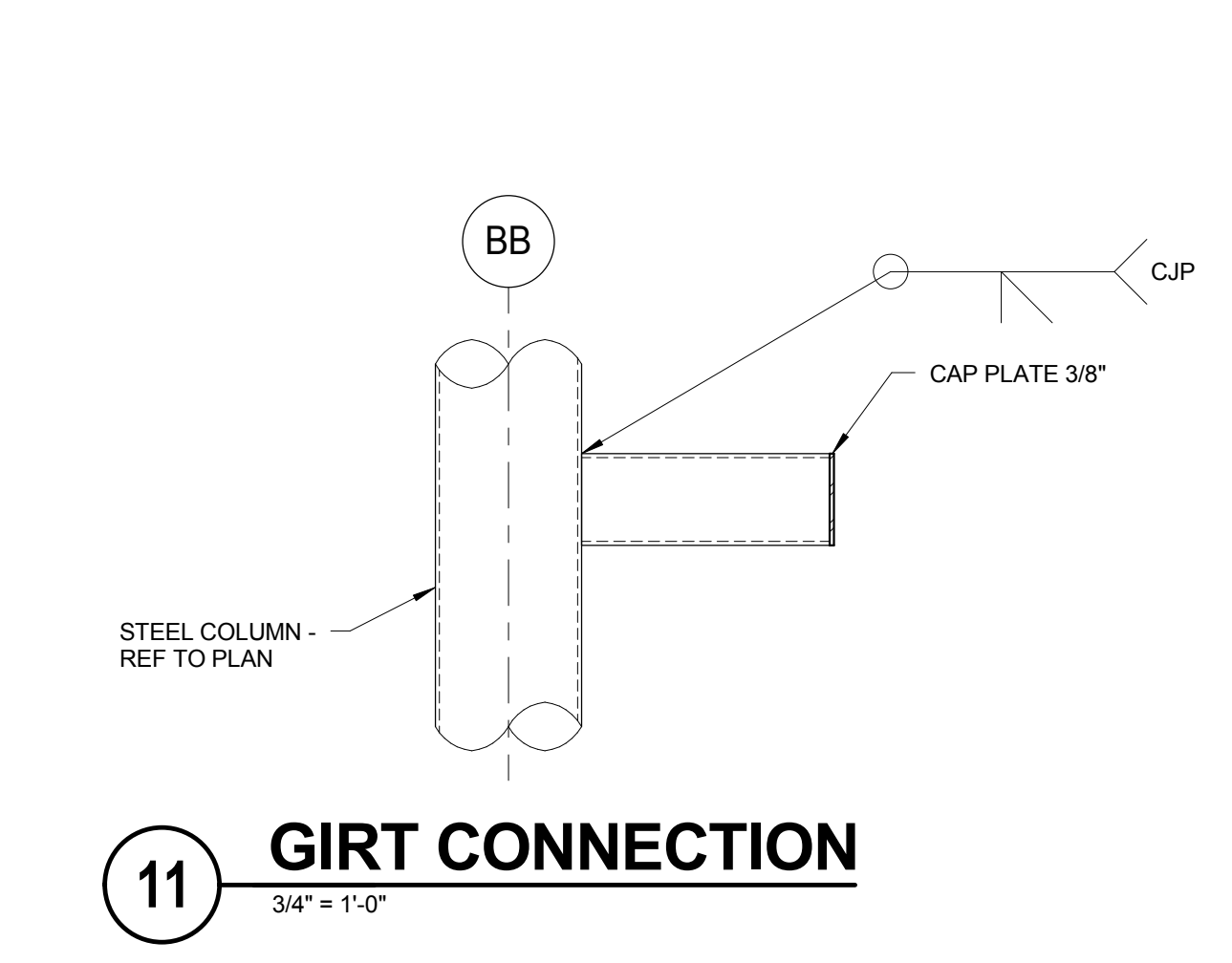
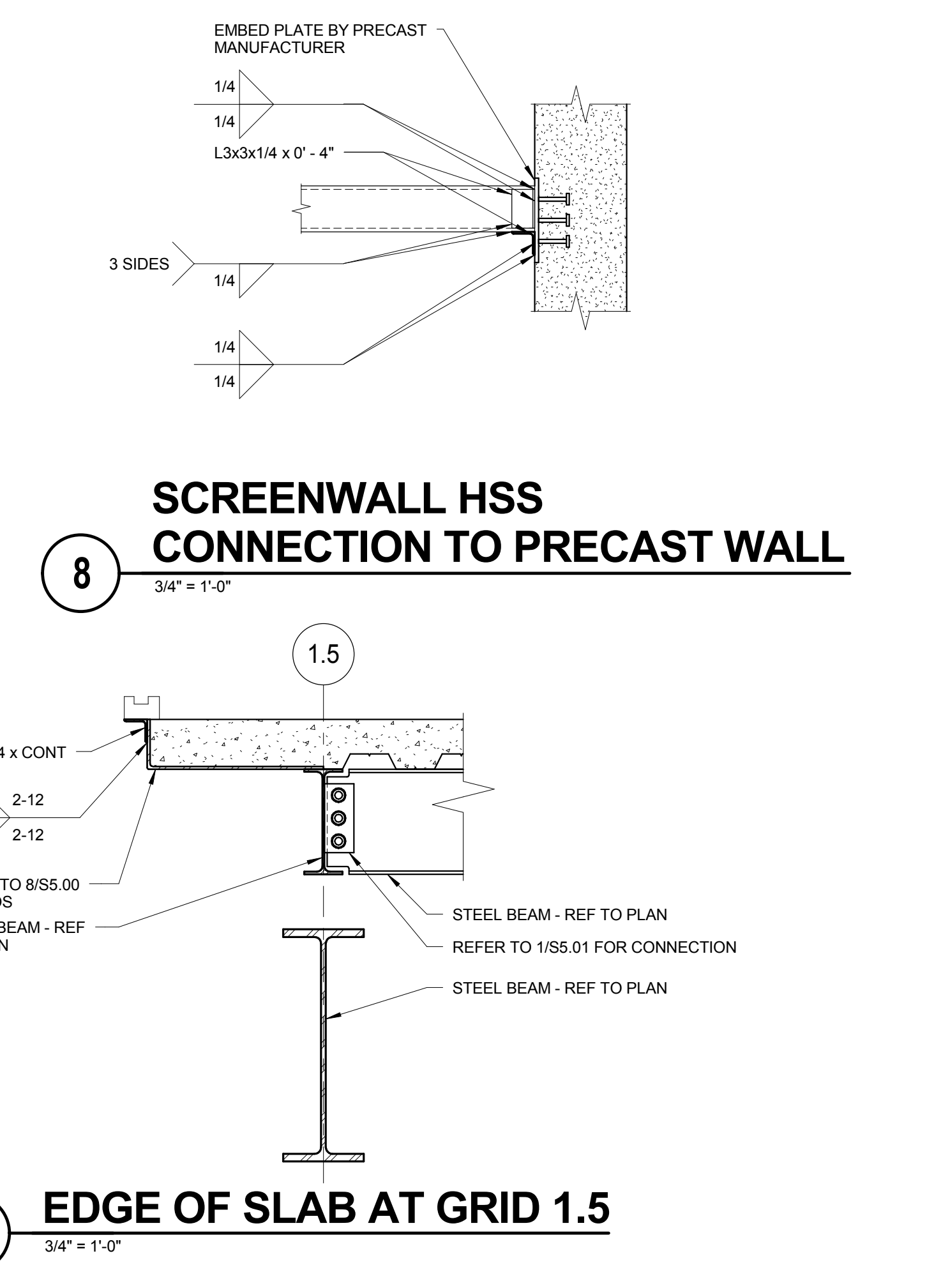
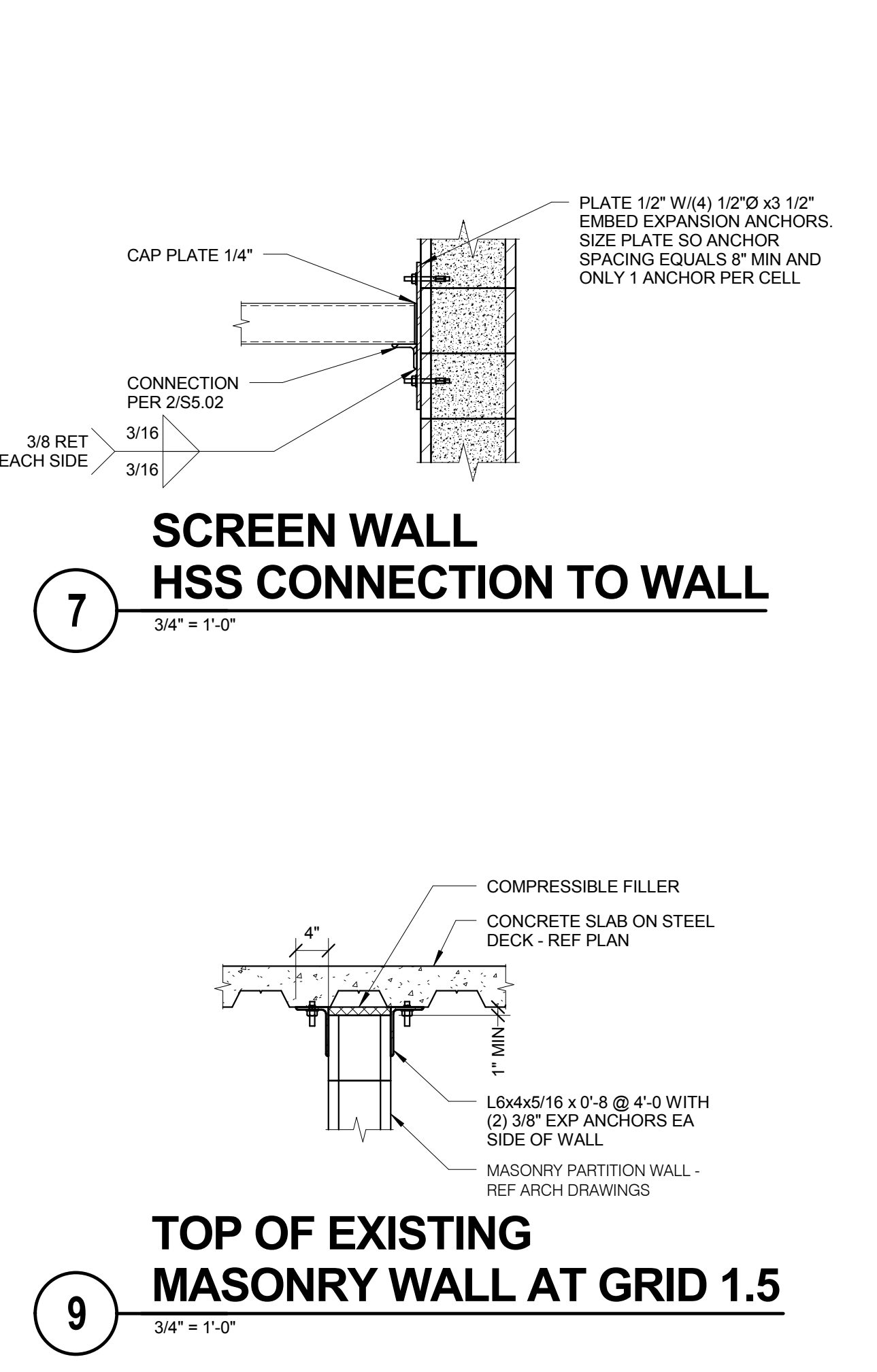
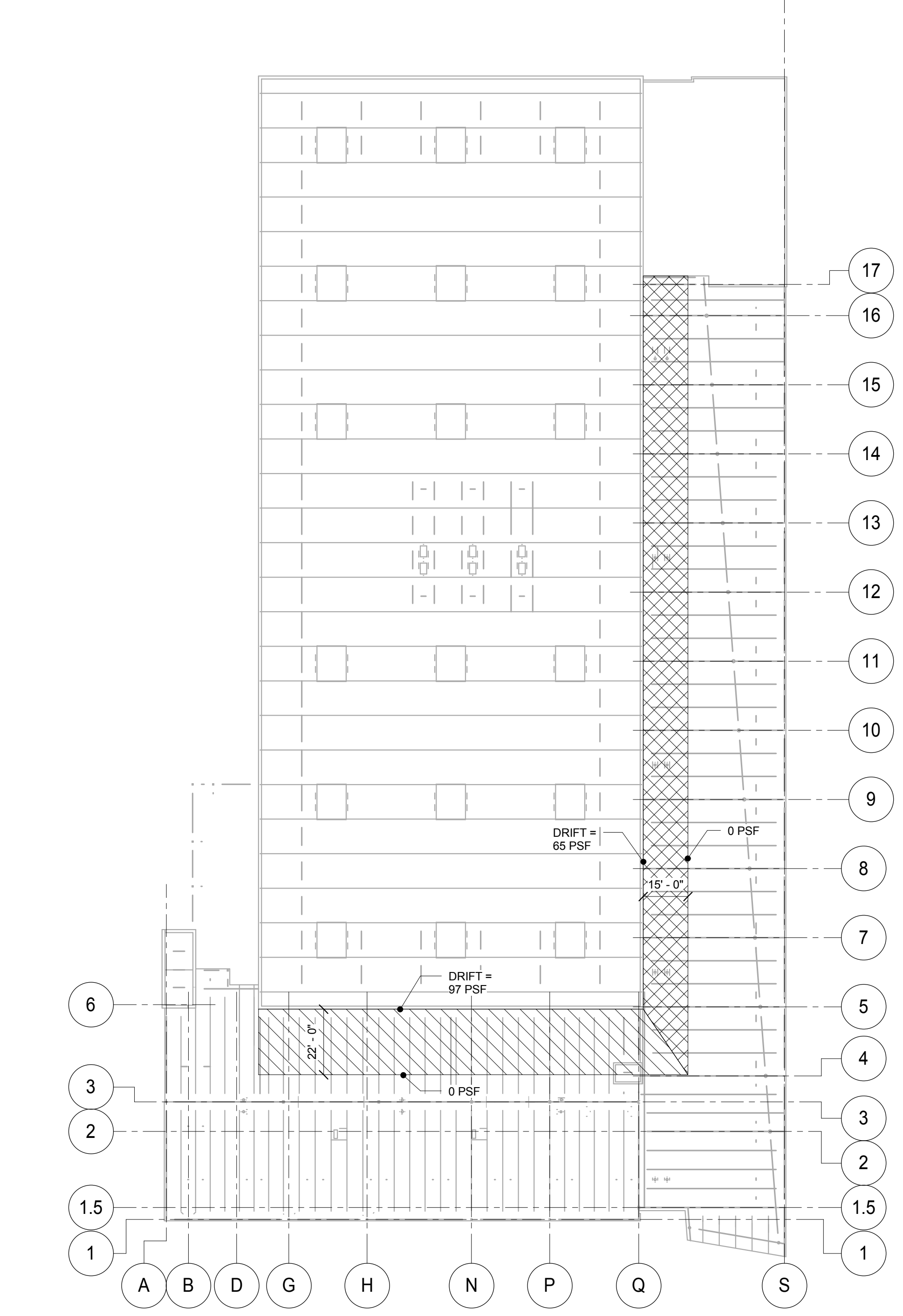
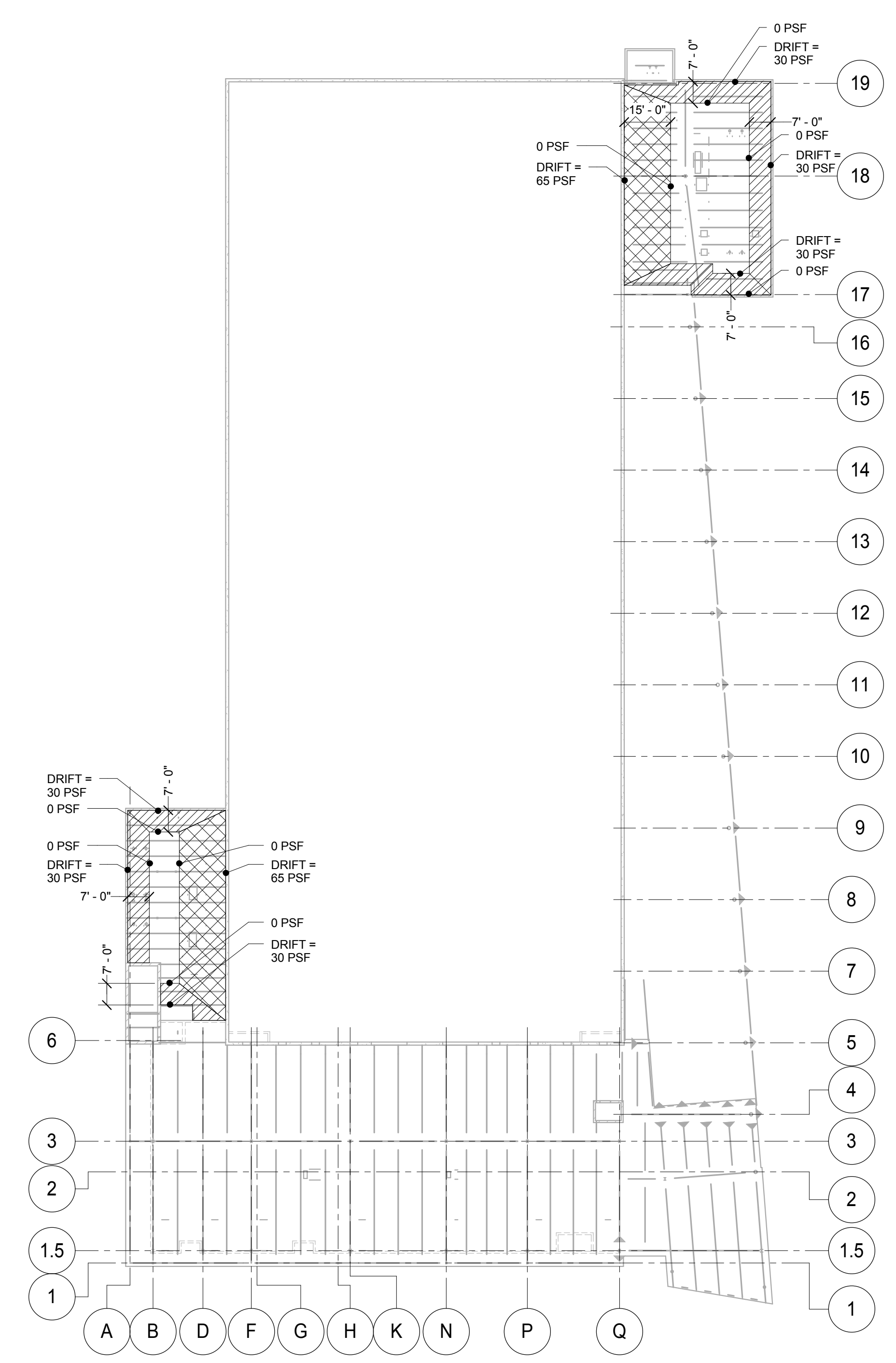
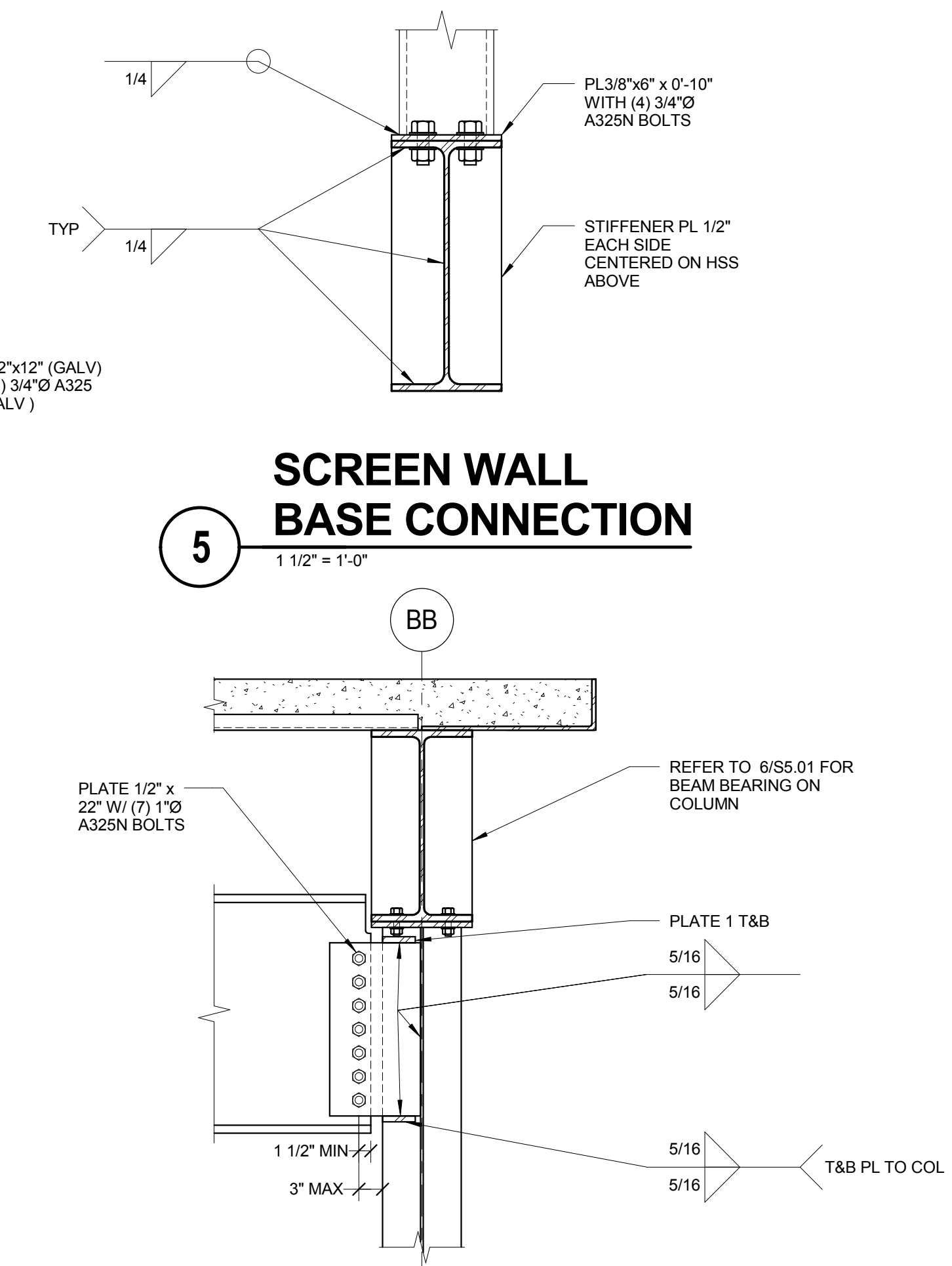
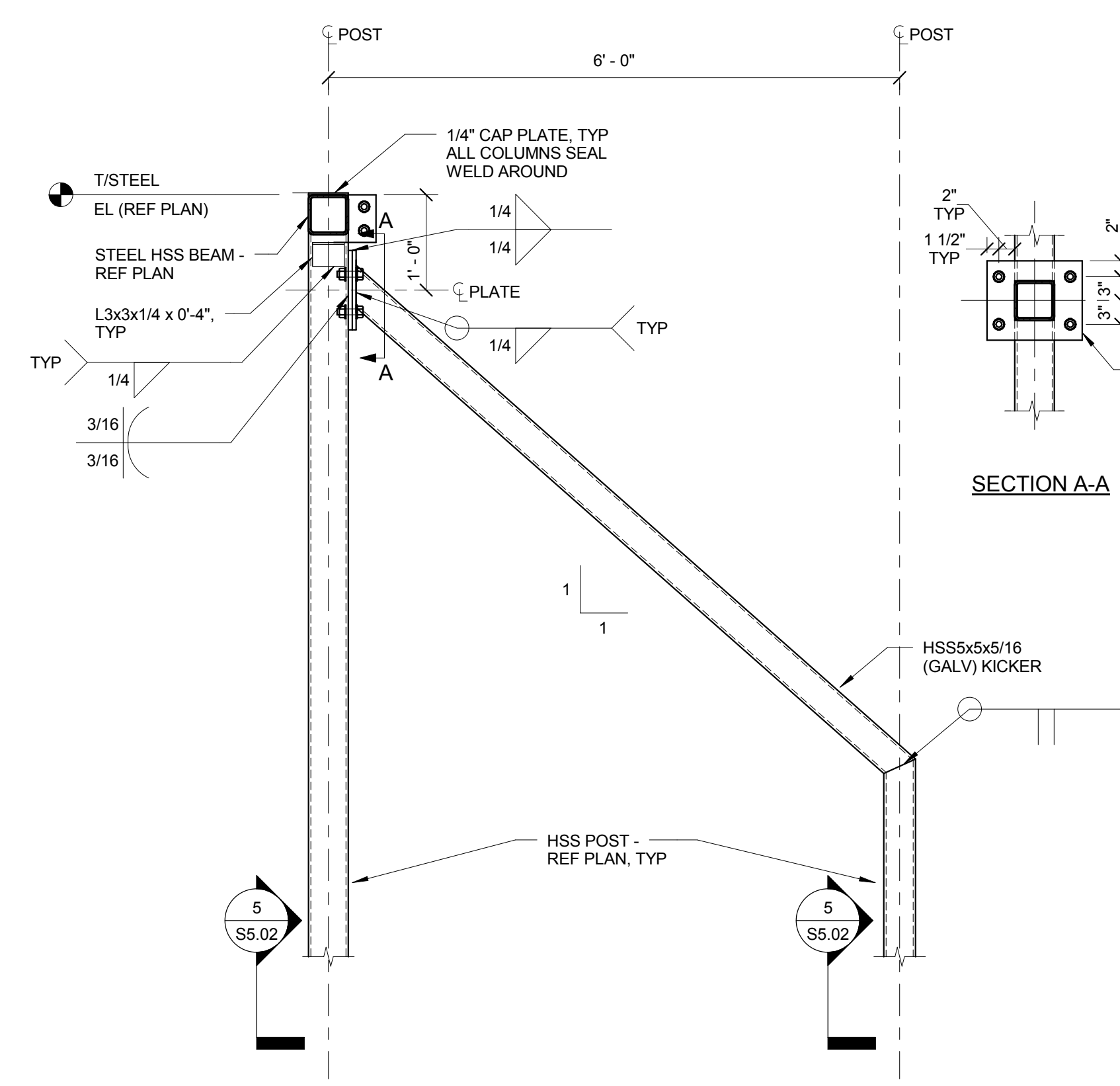
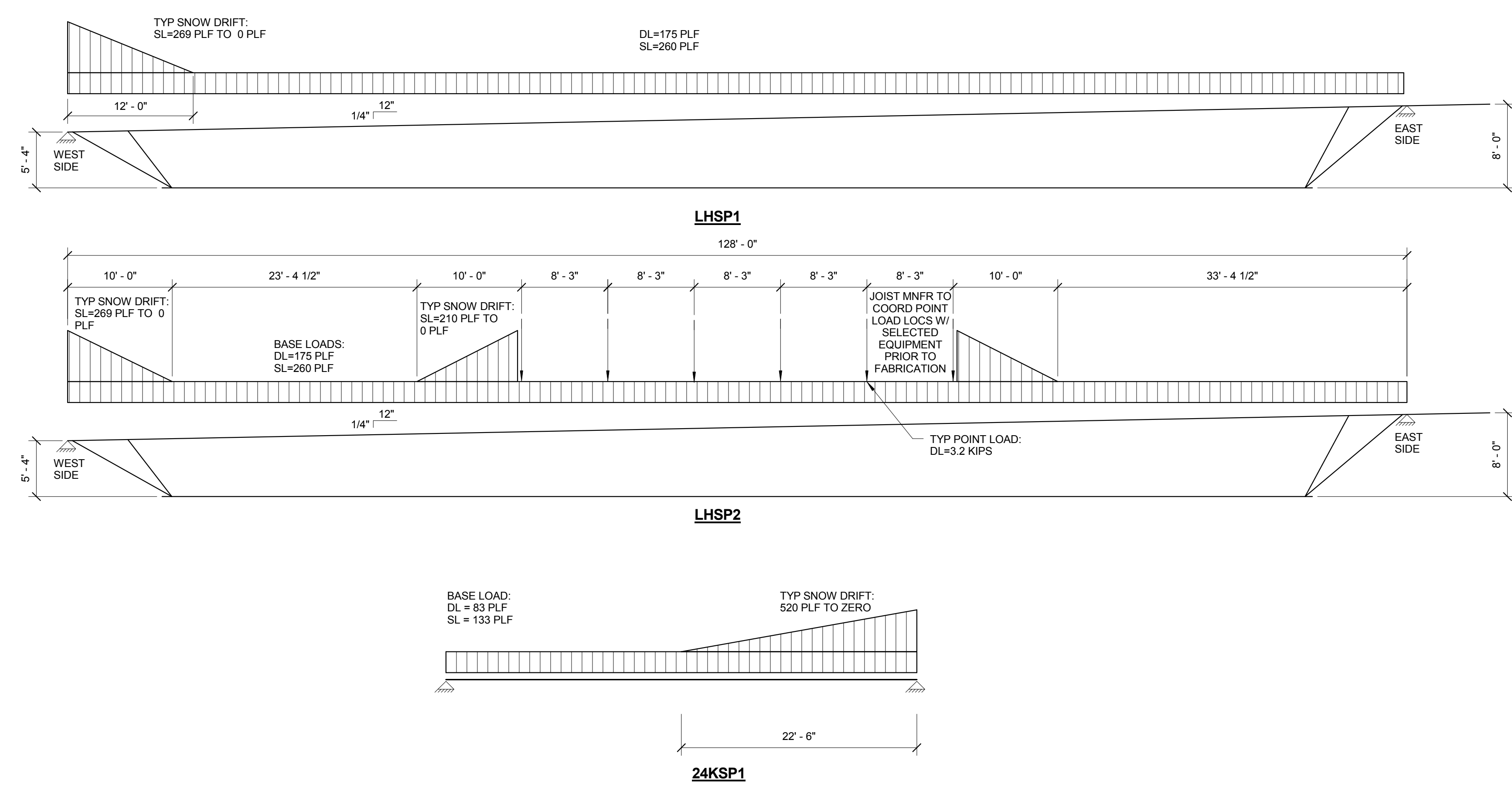
**BID PACKAGE 2**  
**ISSUED FOR BID**

NO. DESCRIPTION: DATE:

SHEET TITLE:  
**JOIST DIAGRAMS**

SHEET NUMBER:

**S5.02**



**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 815.744.6600

Block Design Firm Registration #18-06973  
 © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3

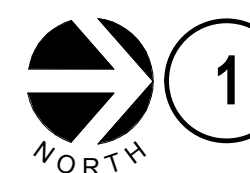
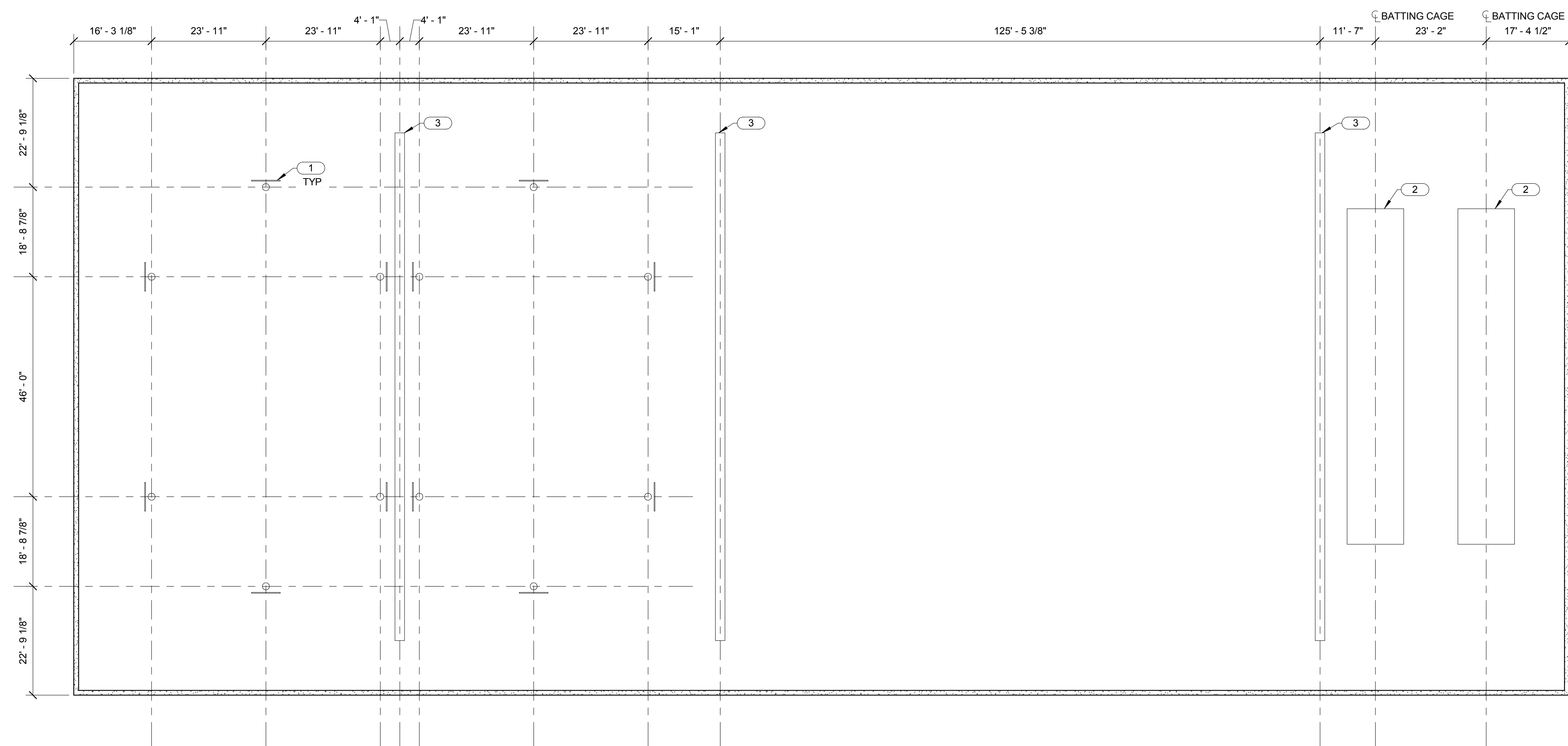


ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEPFP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



**1 FIELDHOUSE EQUIPMENT PLAN**

1/16" = 1'-0"

**NOTES:**

1. ALL DIMENSIONS ON PLAN INDICATE THE ASSUMED LOCATIONS OF EQUIPMENT SUSPENDED FROM THE ROOF JOISTS. EQUIPMENT CONTRACTOR SHALL MINIMIZE DEVIATIONS FROM THESE LOCATIONS. ANY CHANGE IN LOCATION SHALL BE SUBMITTED TO ENGINEER AND JOIST MANUFACTURER FOR APPROVAL PRIOR TO INSTALLATION.
2. PROVIDE JOIST MODIFICATION PER 6/3.02 WHEREVER EQUIPMENT SUPPORTS DO NOT OCCUR AT JOIST PANEL POINTS.
3. JOIST MANUFACTURER AND EQUIPMENT CONTRACTOR ARE TO COORDINATE LOCATION AND LOAD OF HANGING EQUIPMENT.
4. ALL FIELDHOUSE EQUIPMENT IS ASSUMED TO BE SUPPORTED FROM BOTTOM CHORD OF JOIST.

**KEYNOTES:**

- 1 FOLD-UP BASKETBALL BACKSTOP (12 TOTAL). APPROXIMATE WEIGHT OF EACH HOOP IS 800 LBS.
- 2 RETRACTABLE BATTING CAGE (2 TOTAL). EXTRA JOIST BRIDGING MAY BE REQUIRED AT SUPPORT AND HOIST LOCATIONS. APPROXIMATE WEIGHT OF EACH BATTING CAGE IS 1000 LBS.
- 3 RETRACTABLE DIVIDER (3 TOTAL). EXTRA JOIST BRIDGING MAY BE REQUIRED AT SUPPORT AND HOIST LOCATIONS. APPROXIMATE WEIGHT OF EACH HOOP IS 150 PLF.

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**W W ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

PROJECT # 14044.00  
 © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3

KEY PLAN:

SHEET STATUS: 7-17-15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**FIELDHOUSE  
 EQUIPMENT PLAN**

SHEET NUMBER:  
**S5.03**



**CONTROL SYMBOLS LIST**

SYMBOL:	DESCRIPTION:	SYMBOL:	DESCRIPTION:
	FAN		ANALOG INPUT
	CONTACTOR		ANALOG OUTPUT
	PUMP		DIGITAL INPUT
	STATIC SWITCH		DIGITAL OUTPUT
	AVERAGING TEMPERATURE SENSOR		HEATING COIL
	PROBE TEMPERATURE SENSOR		FILTER
	HUMIDITY SENSOR		OPPOSED BLADE DAMPER
	DUCT FLOW METER		TERMINAL AIR BOX w/REHEAT
	DUCT SMOKE DETECTOR		NORMALLY CLOSED CONTACT
			NORMALLY OPEN CONTACT
			CONTROL VALVE (TWO-WAY)
			N.C. NORMALLY CLOSED
			N.O. NORMALLY OPEN
			LC LIGHTING CONTACTORS/RELAYS
			TCC TEMPERATURE CONTROL CONTRACTOR
	CARBON MONOXIDE SENSOR		
	CARBON DIOXIDE SENSOR		
	HUMIDITY SENSOR		
	TEMPERATURE SENSOR		
	ACTUATOR		
	DIFFERENTIAL PRESSURE SWITCH		
	CURRENT SWITCH		
	WATER METER		

**FIRE PROTECTION GENERAL NOTES**

- DRAWINGS SHOWING LOCATIONS OF PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT ACTUAL INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF ALL PIPING, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
- DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. READ ALL SPECIFICATIONS. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.
- LAYOUT AND COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH ANY FABRICATION OR EQUIPMENT ORDERS.
- CONTRACTOR IS RESPONSIBLE FOR REVIEW OF SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKING REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.
- ANY CHANGES THAT ARE REQUIRED TO ELIMINATE CONFLICTS AND RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO THE OWNER.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES.
- CAULK ALL PIPE PENETRATIONS OF FULL HEIGHT NON FIRE RATED WALLS, PARTITIONS, AND FLOORS. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN THE ROOMS.
- WHERE PIPES ARE SHOWN TO PENETRATE FLOORS, PROVIDE SLEEVED OPENINGS WITH THE TOP EDGE RAISED ABOVE FLOOR SURFACE IN ACCORDANCE WITH SECTION 23 05 29. SEAL SLEEVE PERIMETER TO BE WATER-TIGHT.
- EQUIPMENT SIZES AND SERVICE CLEARANCE REQUIREMENTS VARY BETWEEN DIFFERENT MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND REQUIRED SERVICE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT PADS, PIPING, DUCTWORK, ETC. MAINTAIN MINIMUM 3'-6" CLEARANCE IN FRONT OF ALL ELECTRICAL PANELS, MOTOR STARTER, SWITCHES, AND DISCONNECTS.
- WITHIN MECHANICAL ROOMS MAINTAIN MAXIMUM VERTICAL CLEARANCES IN AISLES AND WALKWAYS TO OVERHEAD EQUIPMENT, PIPING, DUCTWORK, HANGERS, HANGER RODS, AND CONDUIT. COORDINATE WORK WITH OTHER TRADES TO MAXIMIZE VERTICAL CLEARANCES THROUGHOUT.
- DO NOT SUPPORT PIPING FROM METAL DECKING OR OTHER NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATION REQUIREMENTS.
- FIRE PROTECTION PIPE ROUTING IS SHOWN FOR GENERAL LAYOUT. CONTRACTOR SHALL DETERMINE EXACT NUMBER OF HEADS, PIPE SIZING, AND PIPE ROUTING.
- CENTER SPRINKLER HEADS IN CEILING TILES IN BOTH DIRECTIONS IN ALL AREAS. IN AREAS WITH 2'x4' CEILING TILES CENTERING USING A 2"x2" CEILING PATTERN IS ACCEPTABLE.
- REFER TO SHEET FFA-00 FOR FIRE PROTECTION MATERIAL LIST AND SPRINKLER SCHEDULE.
- NEW SPRINKLER HEADS SHALL BE QUICK RESPONSE TYPE, UNLESS OTHERWISE NOTED. CONTRACTOR SHALL NOT MIX STANDARD RESPONSE HEADS WITH QUICK RESPONSE HEADS IN UNPARTITIONED SPACES.

**TAB POST-CONSTRUCTION NOTES**

- AFTER CONSTRUCTION ACTIVITIES ARE COMPLETE, TESTING, ADJUSTING AND BALANCING CONTRACTOR (TAB) SHALL BALANCE ROOFTOP UNITS AND EXHAUST FANS AS REQUIRED TO ACHIEVE THE NEW AIRFLOW VALUES SHOWN ON THE CONSTRUCTION DRAWINGS.
- AIRFLOW QUANTITIES TAKEN AT TRAVERSE LOCATIONS AND/OR GRILLES AND DIFFUSERS AS INDICATED ON THE DRAWINGS.
- TAB CONTRACTOR SHALL COMPILE AND SUBMIT COPIES OF THE FINAL POST-CONSTRUCTION TAB REPORT AS REQUIRED BY SECTION 23 05 93.
- THE FINAL POST CONSTRUCTION REPORT SHALL INCLUDE THE FOLLOWING INFORMATION:
  - RTU INLET AND DISCHARGE STATIC PRESSURES, PRESSURE DROP ACROSS EACH RTU COMPONENT
  - HEATING AND COOLING COIL ENTERING AND LEAVING AIR DBWB TEMPERATURES,
  - OUTSIDE AIR CFM
  - SUPPLY, RETURN AND EXHAUST FANS: TOTAL CFM, TOTAL STATIC PRESSURE, FAN RPM, MOTOR NAMEPLATE DATA, VOLTS AND AMPS EACH PHASE, MAKE A NOTE OF THE VFD OUTPUT AT THE TIME THE VOLT AND AMP READINGS ARE TAKEN.

**FIRE BARRIER DESIGNATIONS**

THE SYMBOLS SHOWN ARE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY RATINGS WITH THE LATEST SET OF ARCHITECTURAL PLANS AND FURNISH ALL MATERIALS REQUIRED TO COMPLY WITH THOSE RATINGS WHETHER SHOWN OR NOT.

ALL FLOOR, FLOOR CEILING, AND ROOF CEILING ASSEMBLIES SHALL BE DESIGNATED AS 1 AND 2 HOUR FIRE BARRIER(S), UNLESS NOTED OTHERWISE ON THE PLANS.

1 HOUR FIRE BARRIER	-----
2 HOUR FIRE BARRIER	-----

**MECHANICAL SYMBOLS LIST**

SYMBOL:	DESCRIPTION:	SYMBOL:	DESCRIPTION:
	NEW DUCT		FLEXIBLE DUCT
	MANUAL VOLUME DAMPER		RISE IN DIRECTION OF AIR FLOW
	DROP IN DIRECTION OF AIR FLOW		DUCT CAP
	DUCT DOWN		DUCT UP
	SUPPLY/OUTSIDE AIR DUCT SECTION		RETURN AIR DUCT SECTION
	EXHAUST/RELIEF AIR DUCT SECTION		AIR TERMINAL PROPERTIES SYMBOL NECK SIZE/CFM
	TERMINAL AIR BOX (REFER TO SCHEDULE)		TERMINAL AIR BOX w/REHEAT COIL (REFER TO SCHEDULE)
	DIFFERENTIAL PRESSURE SENSOR		THERMOSTAT/SENSOR
	DRAIN LINE		NATURAL GAS
	HEATING WATER RETURN		HEATING WATER SUPPLY
	AFF ABOVE FINISHED FLOOR		AFMS AIR FLOW MEASURING STATION
	A.T.C. AUTOMATIC TEMPERATURE CONTROL CONTRACTOR		E.C. ELECTRICAL CONTRACTOR
	FSD FIRE/SMOKE DAMPER		G.C. GENERAL CONTRACTOR
	M.C. MECHANICAL CONTRACTOR		N.C. NORMALLY CLOSED
	N.O. NORMALLY OPEN		TD TRANSFER DUCT

**MECHANICAL SYMBOLS LIST**

SYMBOL:	DESCRIPTION:
	PIPE DOWN
	PIPE UP OR UP/DOWN
	PITCH PIPE IN DIRECTION
	DIRECTION OF FLOW IN PIPE
	UNION/FLANGE
	SHUTOFF VALVE NORMALLY OPEN
	SHUTOFF VALVE NORMALLY CLOSED
	BALANCING VALVE (NO. INDICATES GPM)
	METER
	CONTROL VALVE (THREE-WAY)
	CONTROL VALVE (TWO-WAY)
	CHECK VALVE
	SAFETY/RELIEF VALVE
	PRESSURE REDUCING VALVE (LIQUID/GAS)
	TRIPLE DUTY VALVE (IN-LINE TYPE)
	VACUUM BREAKER
	"WYE" - STRAINER
	"WYE" - STRAINER W/SHUTOFF VALVE AND HOSE CONNECTION WITH CAP
	BASKET STRAINER
	FLEXIBLE CONNECTION
	PRESSURE/TEMPERATURE TEST PLUG
	REDUCER - REFERENCE SPECIFICATION FOR CONCENTRIC/ECCENTRIC AND POT/FOE
	PRESSURE GAUGE (FURNISHED WITH BALL VALVE)
	SUCTION DIFFUSER WITH SUPPORT FOOT
	AUTOMATIC AIR VENT
	MANUAL AIR VENT w BALL VALVE
	DRAIN WITH HOSE CONNECTION, CAP & BALL VALVE
	TEMPERATURE SENSOR WITH WELL
	THERMOMETER WITH WELL ( FILLED TYPE)
	FLOW METER

**MECHANICAL SHEET INDEX**

M0.00	MECHANICAL COVER SHEET
M1.11	LEVEL 1 PLAN - AREA 1 - VENTILATION
M1.12	LEVEL 1 PLAN - AREA 2 - VENTILATION
M1.13	LEVEL 1 PLAN - AREA 3 - VENTILATION
M1.21	LEVEL 2 PLAN - AREA 1 - VENTILATION
M1.22	LEVEL 2 PLAN - AREA 2 - VENTILATION
M1.23	LEVEL 2 PLAN - AREA 3 - VENTILATION
M1.31	ROOF PLAN - AREA 1 - VENTILATION
M1.32	ROOF PLAN - AREA 2 - VENTILATION
M1.33	ROOF PLAN - AREA 3 - VENTILATION
M1.40	ALTERNATE PLANS - VENTILATION
M2.00	UNDER FLOOR PLAN - AREAS 1, 2, & 3 - PIPING
M2.11	LEVEL 1 PLAN - AREA 1 - PIPING
M2.12	LEVEL 1 PLAN - AREA 2 - PIPING
M2.13	LEVEL 1 PLAN - AREA 3 - PIPING
M2.21	LEVEL 2 PLAN - AREA 1 - PIPING
M2.22	LEVEL 2 PLAN - AREA 2 - PIPING
M2.23	LEVEL 2 PLAN - AREA 3 - PIPING
M2.31	ROOF PLAN - AREA 1 - PIPING
M2.32	ROOF PLAN - AREA 2 - PIPING
M2.33	ROOF PLAN - AREA 3 - PIPING
M2.40	ALTERNATE PLANS - PIPING
M3.00	ENLARGED PLANS - MECHANICAL
M3.01	RTU DETAILS
M3.02	RTU DETAILS
M4.00	MECHANICAL DETAILS
M4.01	MECHANICAL DETAILS
M4.02	MECHANICAL DETAILS
M4.03	MECHANICAL DETAILS
M5.00	MECHANICAL SCHEDULES
M5.01	MECHANICAL SCHEDULES
M6.00	HEATING WATER FLOW DIAGRAM
M7.00	CONTROL DIAGRAMS
M7.01	CONTROL DIAGRAMS
M7.02	CONTROL DIAGRAMS
M7.03	CONTROL DIAGRAMS

**KJW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.627.2320 FAX: 630.627.2321  
 WWW.KJW.COM

**PROJECT # 14-004**

KJW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA THEREON. THIS DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJW ENGINEERING. © 2015 KJW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD, SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 7/17/15  
**BID PACKAGE 2**  
**ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**MECHANICAL COVER SHEET**

SHEET NUMBER:  
**MO.00**

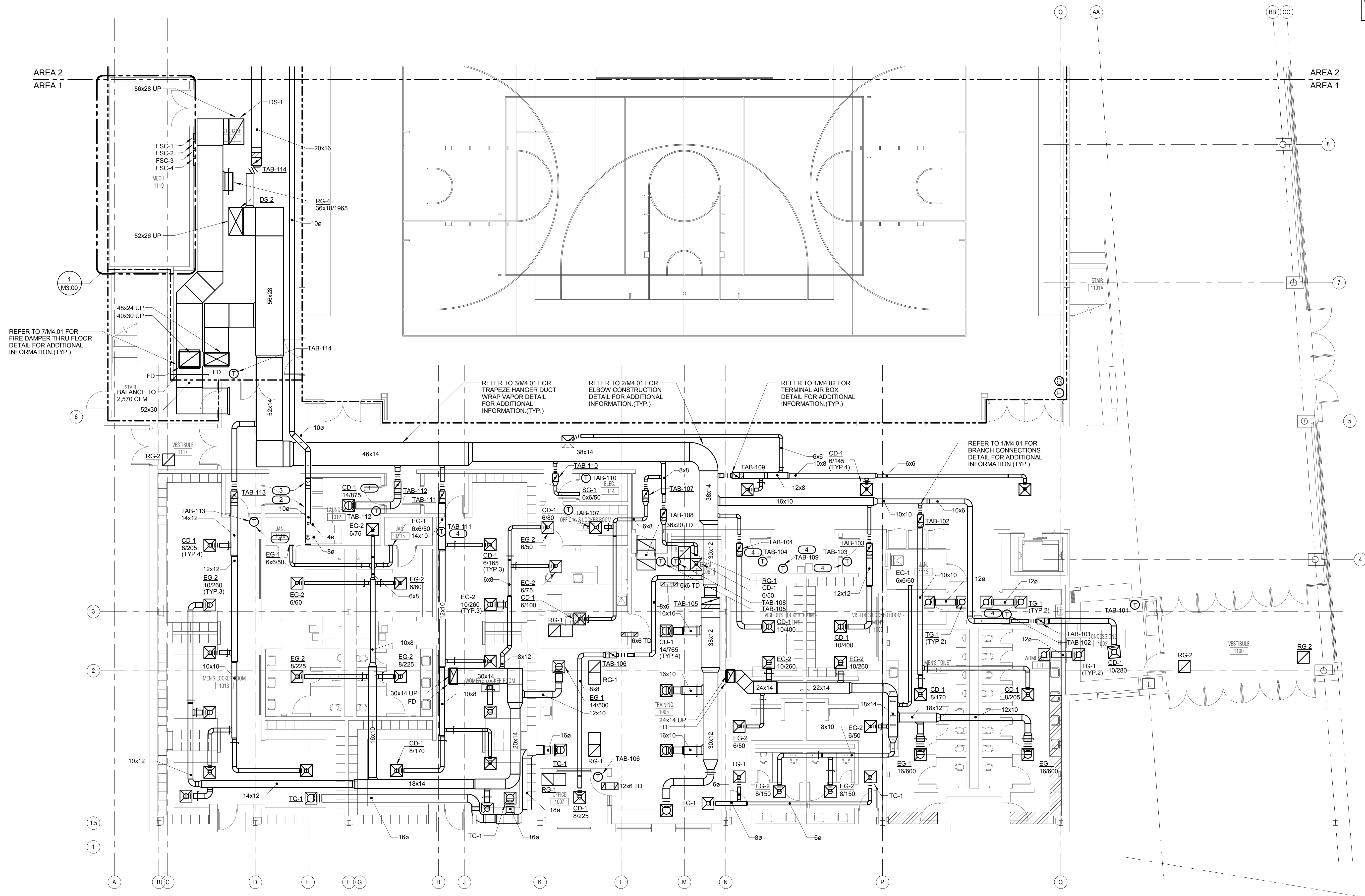


ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD, SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

- KEYNOTES:**
- CONTRACTOR SHALL PROVIDE VARIABLE SPEED DRYER DRAFT CONTROL SYSTEM TO MAINTAIN COMMON PRESSURE SETPOINT. FAN AND CONTROLS TO BE UL LISTED AND BE RATED FOR TYPE I AND TYPE II LINT LADEN AIR STREAMS. FAN AND CONTROLS FROM A SINGLE MANUFACTURER. SYSTEM TO BE MANUFACTURED BY ENERVEX INC. SYSTEM TO BE MODULATING DRYER VENT SYSTEM (MDSV-250).  
 INCLUDES:  
 - FAN EF-4 (LOCATED IN STORAGE 1014)  
 - CONTROLS MODEL MEC-18 DRYER VENT CONTROLLER WITH LED DISPLAY, XTP PRESSURE SENSOR, AND MODULATING SINGLE PH (120V) POWER OUTPUT TO VARY THE FAN SPEED. INCLUDES ALARM CONTACT, STARTUP AND PROGRAMMING BY LOCAL FACTORY REP. CONTACT JEFF DAHNKE (630-350-1770) WITH ANY INQUIRIES.
  - CONTRACTOR SHALL INSTALL COMMON VENT 4" ABOVE FINISHED FLOOR.
  - CONTRACTOR SHALL INSTALL LINT FILTERBY CLEAN CYCLE SYSTEM LINT LASSO MODEL LLA-8 (8" INLET / 10" OUTLET) TO BE MOUNTED ON VENT RISER. FILTER TO BE PROVIDED WITH 120V DIRTY FILTER ALERT SWITCH / LIGHT AND TO BE INSTALLED AS PART OF THE ENERGY DRYER VENTING SYSTEM.
  - THERMOSTATS IN PUBLIC SPACES SHALL BE PROVIDED WITH KEY-LOCKED ENCLOSURES.



REFER TO 7M4.01 FOR FIRE DAMPER THRU FLOOR DETAIL FOR ADDITIONAL INFORMATION (TYP.)

REFER TO 3M4.01 FOR TRAPEZOID HANGER DUCT WRAP VAPOR DETAIL FOR ADDITIONAL INFORMATION (TYP.)

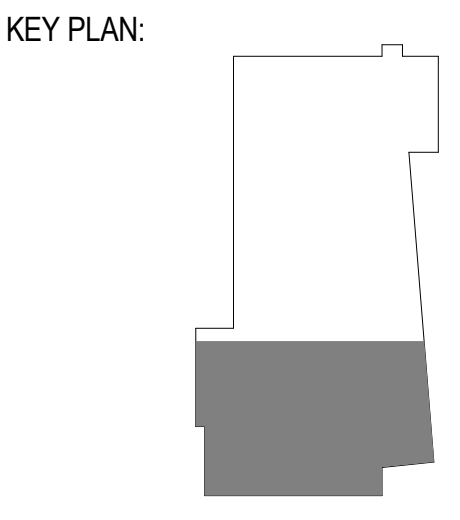
REFER TO 2M4.01 FOR ELBOW CONSTRUCTION DETAIL FOR ADDITIONAL INFORMATION (TYP.)

REFER TO 1M4.01 FOR TERMINAL AIR BOX DETAIL FOR ADDITIONAL INFORMATION (TYP.)

REFER TO 1M4.01 FOR BRANCH CONNECTIONS DETAIL FOR ADDITIONAL INFORMATION (TYP.)

**1 LEVEL 1 PLAN - AREA 1 - VENTILATION**  
 1/8" = 1'-0"

**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



SHEET STATUS: 7/17/15  
**BID PACKAGE 2**  
**ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1 PLAN - AREA 1 - VENTILATION**

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**THE FUTURE IS SMARTER**  
 PROJECT # 14044.00  
 Bldg. Design Firm Registration #18-08073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SUCH DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

SHEET NUMBER:  
**M1.11**





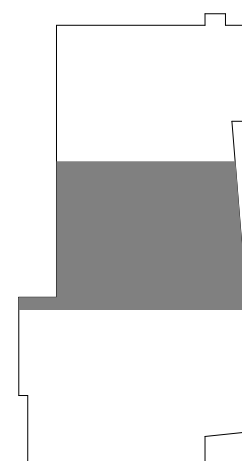
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEPFP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7/17/15

**BID PACKAGE 2  
 ISSUED FOR BID**

NO. DESCRIPTION: DATE:

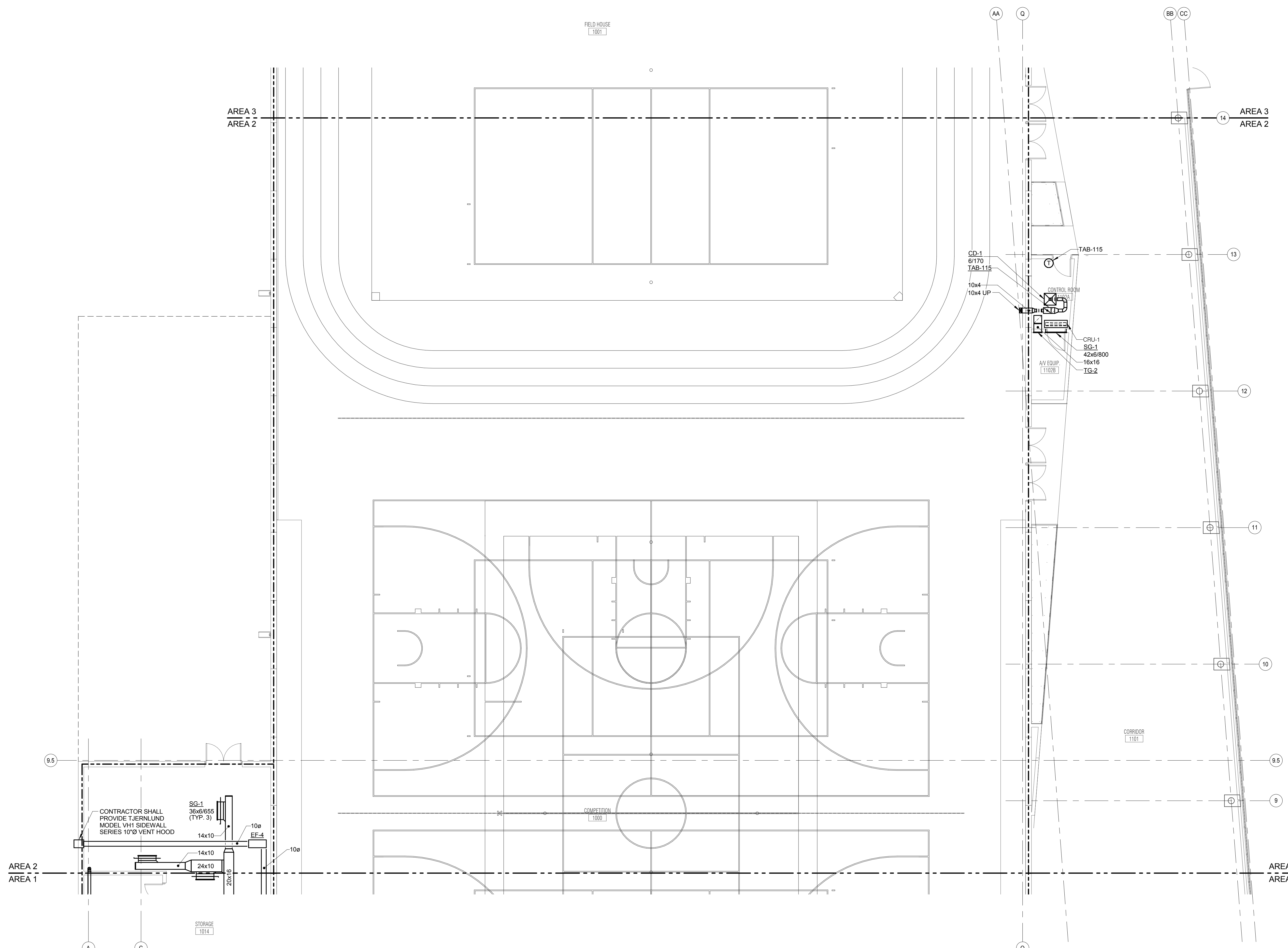
NO.	DESCRIPTION:	DATE:

SHEET TITLE:

**LEVEL 1 PLAN - AREA 2 - VENTILATION**

SHEET NUMBER:

**M1.12**



**1 LEVEL 1 PLAN - AREA 2 - VENTILATION**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**W W ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

PROJECT # 14044.00  
 DESIGN FIRM REGISTRATION #18-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3

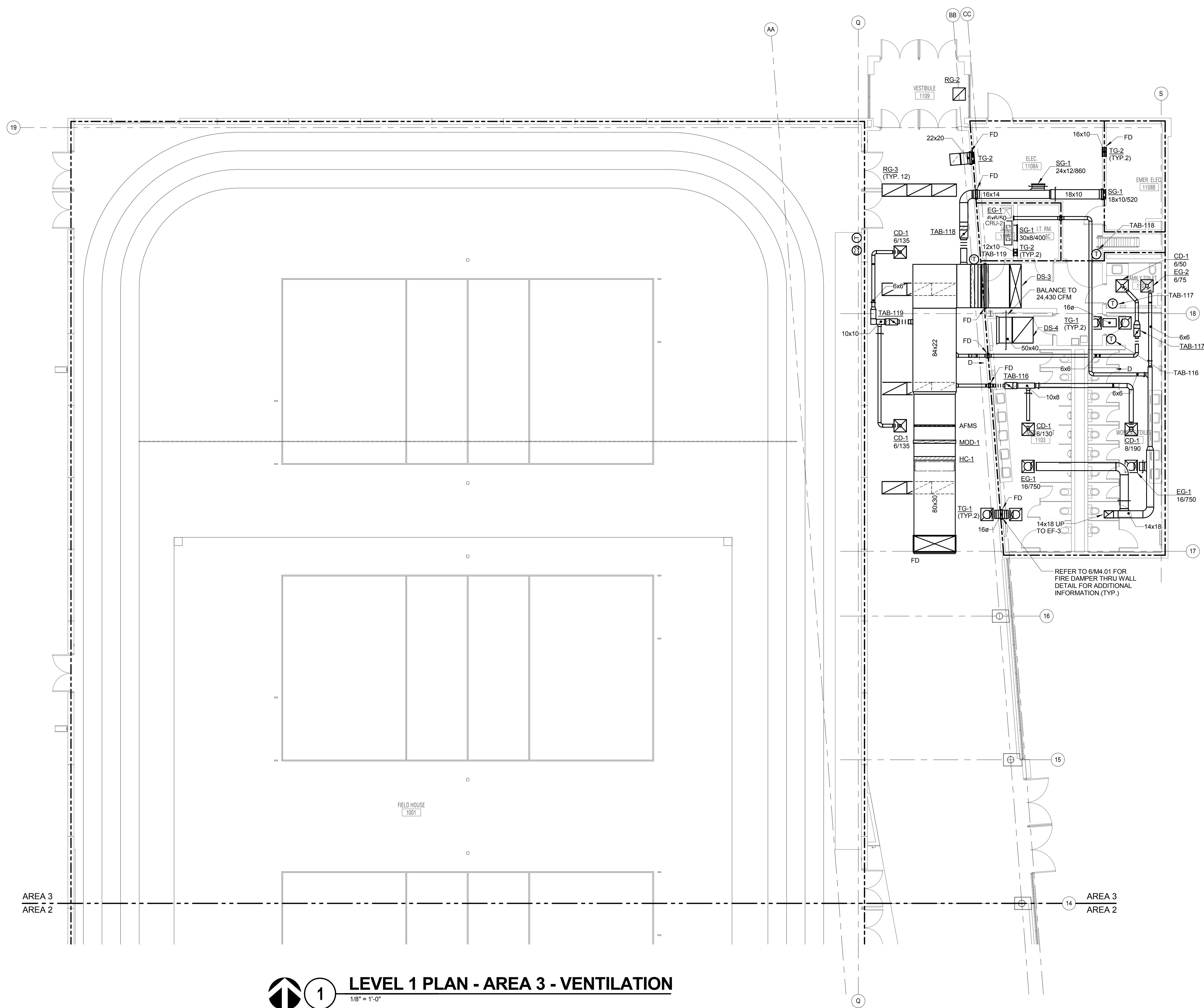


ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEPFP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



**1 LEVEL 1 PLAN - AREA 3 - VENTILATION**  
 1/8" = 1'-0"

KEY PLAN:

SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1 PLAN - AREA  
 3 - VENTILATION**

SHEET NUMBER:

**M1.13**

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**PROJECT # 14044.00**

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES





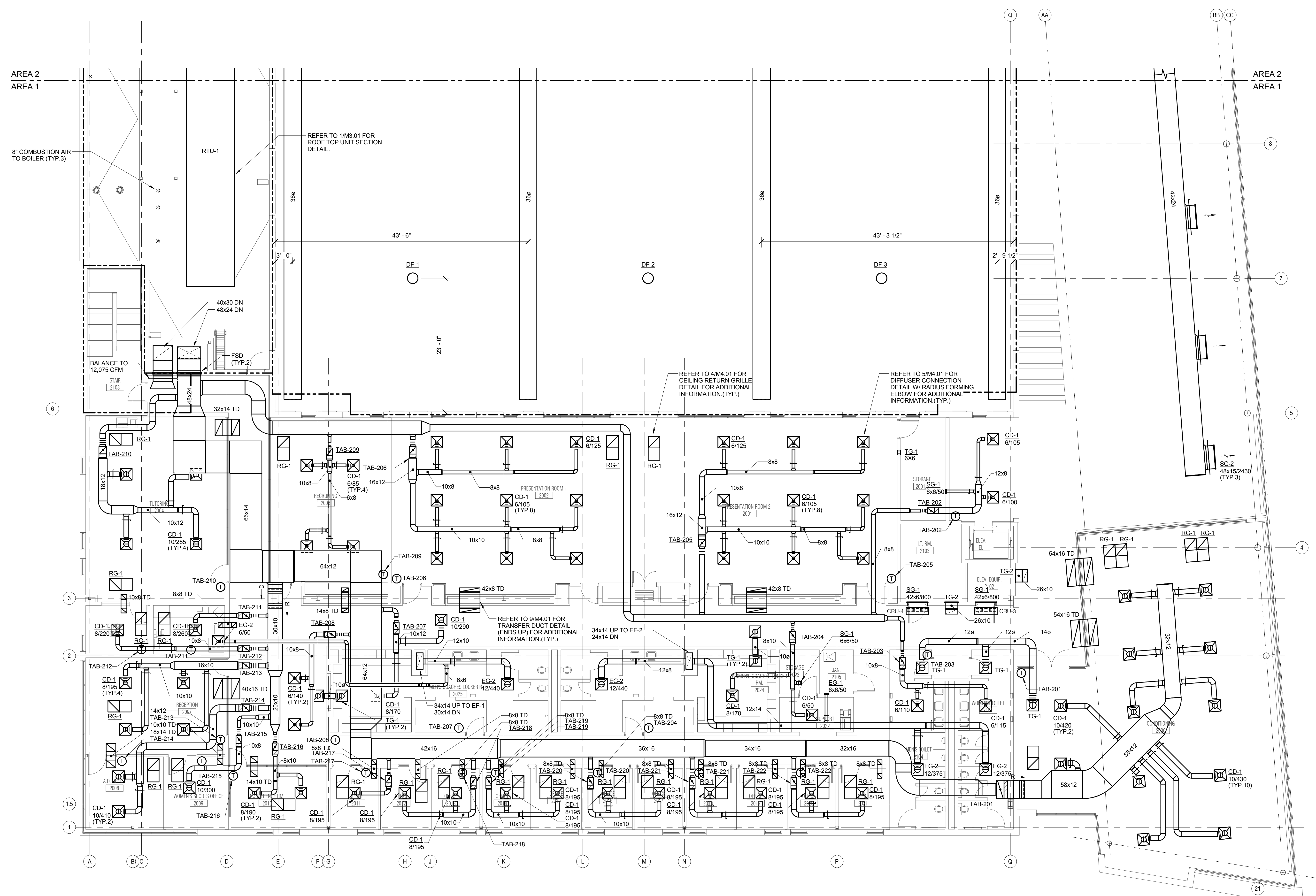
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**GENERAL SHEET NOTES**

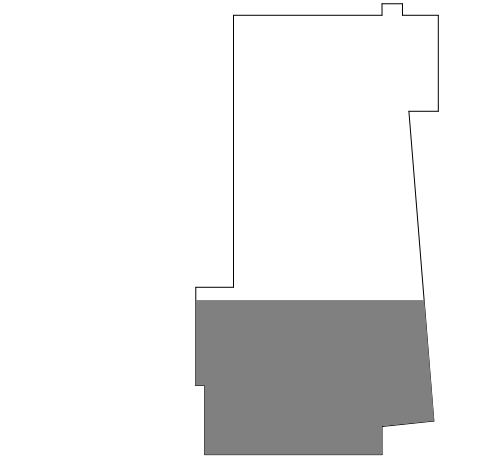
- FABRIC DUCT RUNS LOCATED IN FIELDHOUSE SHALL BE INSTALLED BETWEEN STRUCTURAL JOIST WEB SPACE. REFER TO SHEET M4.03 FOR FABRIC DUCT REQUIREMENTS.
- DESTRATIFICATION FANS SHALL BE CENTERED BETWEEN FABRIC DUCT RUNS.
- REFER TO SHEET M4.03 FOR FIELDHOUSE AREA FABRIC DUCT SECTIONS DETAILS.



**1 LEVEL 2 PLAN - AREA 1 - VENTILATION**  
 1/8" = 1'-0"

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2 PLAN - AREA  
 1 - VENTILATION**

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14044.00

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14044.00

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SUCH DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3

SHEET NUMBER:  
**M1.21**



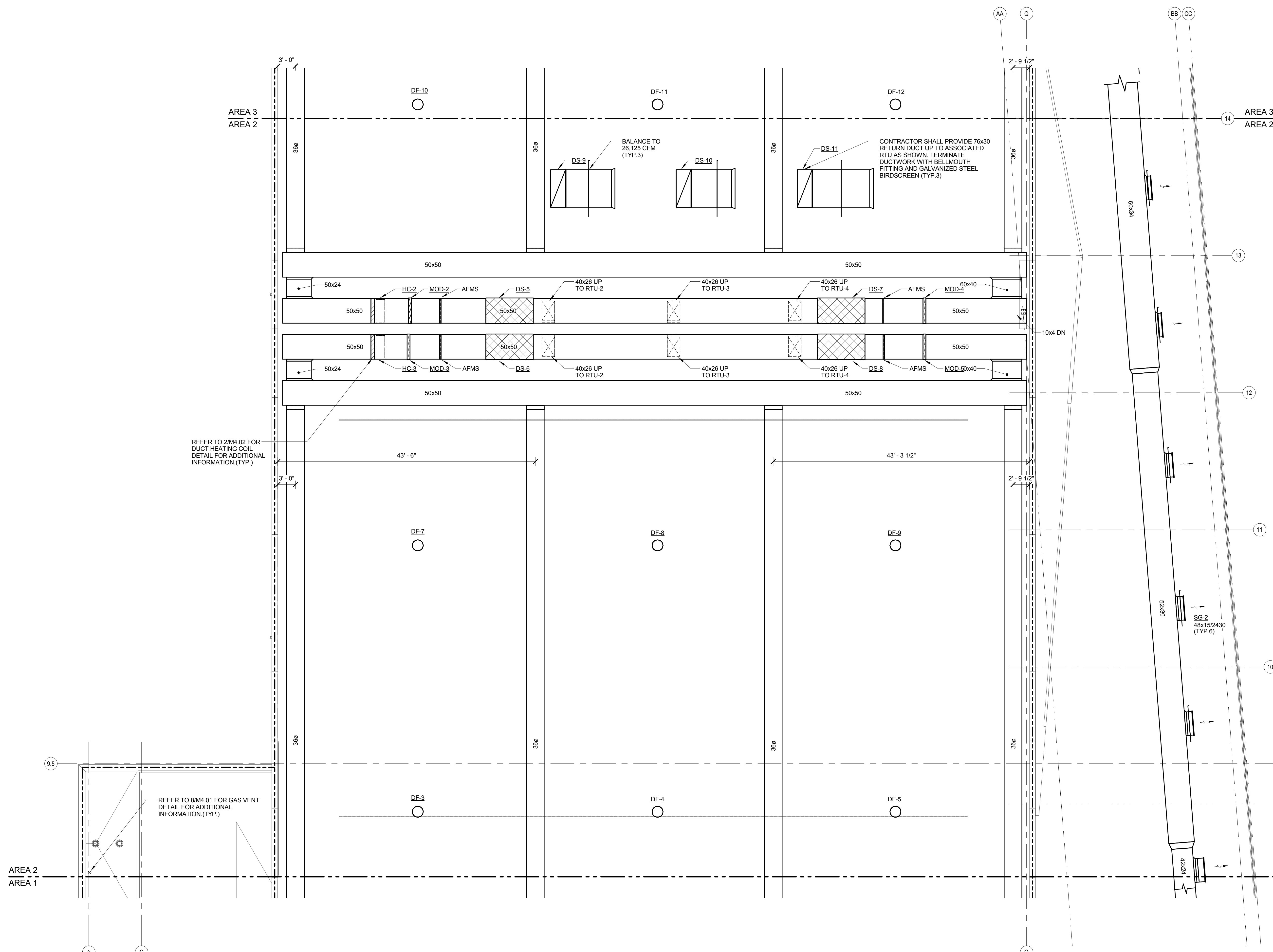
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**GENERAL SHEET NOTES**

- FABRIC DUCT RUNS LOCATED IN FIELDHOUSE SHALL BE INSTALLED BETWEEN STRUCTURAL JOIST WEB SPACE. REFER TO SHEET M4.03 FOR FABRIC DUCT REQUIREMENTS.
- DESTRATIFICATION FANS SHALL BE CENTERED BETWEEN FABRIC DUCT RUNS.
- REFER TO SHEET M4.03 FOR FIELDHOUSE AREA FABRIC DUCT SECTIONS DETAILS.



REFER TO 2/M4.02 FOR DUCT HEATING COIL DETAIL FOR ADDITIONAL INFORMATION (TYP.)

REFER TO 8/M4.01 FOR GAS VENT DETAIL FOR ADDITIONAL INFORMATION (TYP.)

CONTRACTOR SHALL PROVIDE 76x30 RETURN DUCT UP TO ASSOCIATED RTU AS SHOWN. TERMINATE DUCTWORK WITH BELLMOUTH FITTING AND GALVANIZED STEEL BIRDSCREEN (TYP. 3)

BALANCE TO 26,125 CFM (TYP. 3)

**1 LEVEL 2 PLAN - AREA 2 - VENTILATION**  
 1/8" = 1'-0"

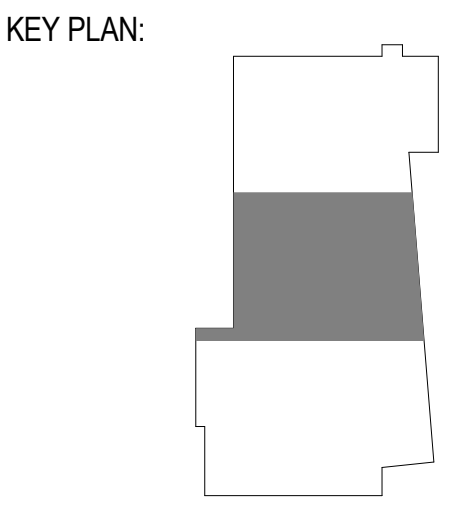


**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14044.00

**KJWW ENGINEERING** 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14044.00

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2 PLAN - AREA  
 2 - VENTILATION**

SHEET NUMBER:  
**M1.22**





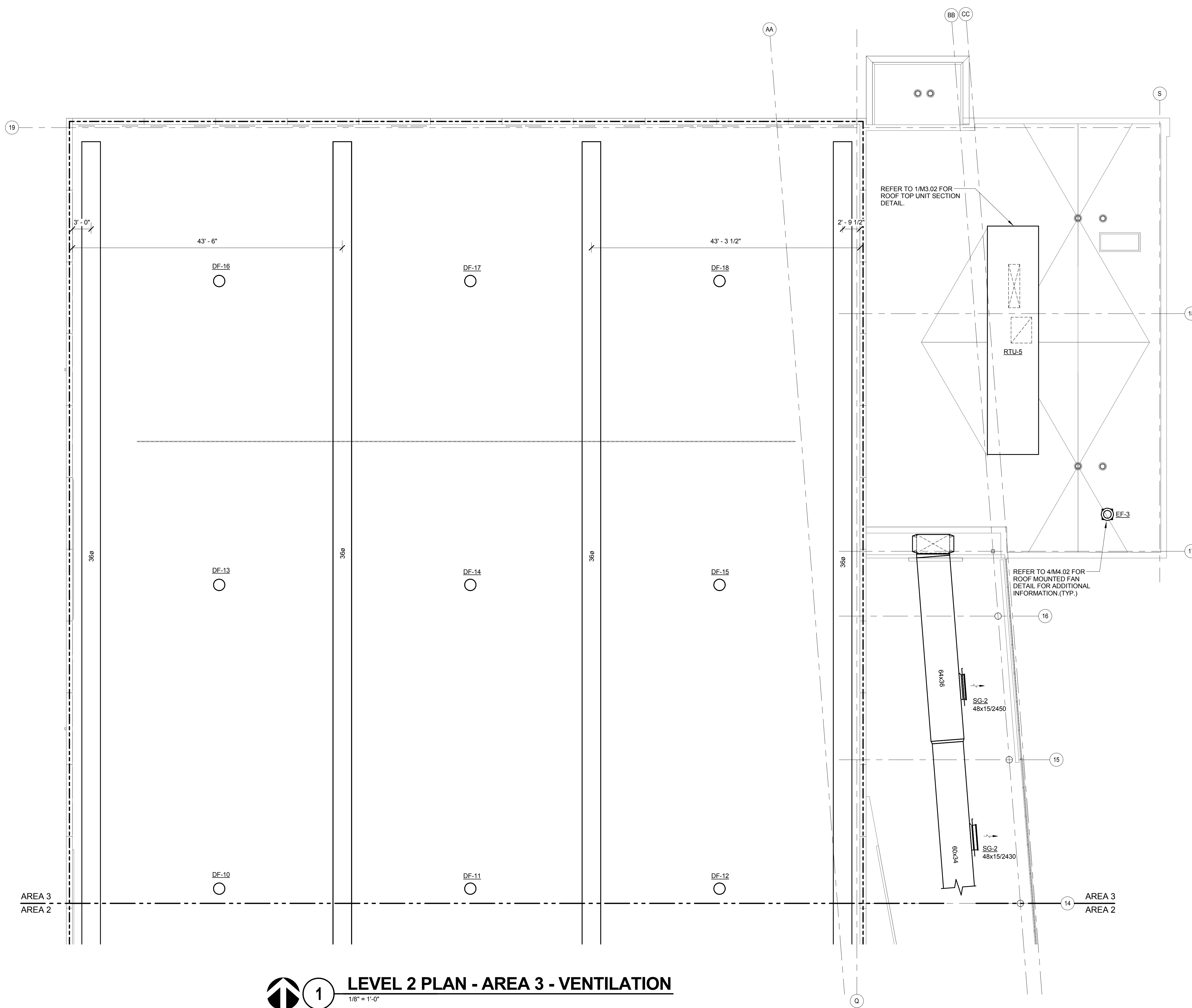
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

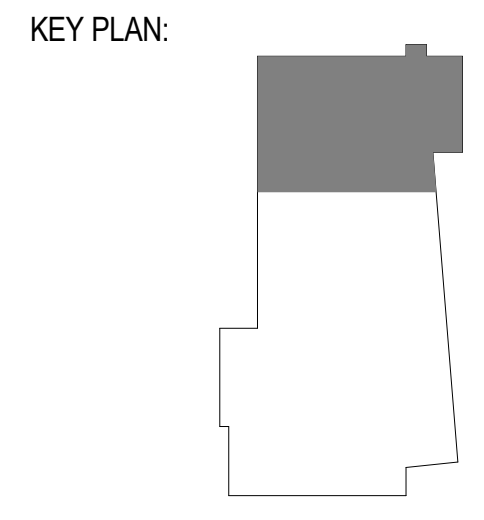
**GENERAL SHEET NOTES**

- FABRIC DUCT RUNS LOCATED IN FIELDHOUSE SHALL BE INSTALLED BETWEEN STRUCTURAL JOIST WEB SPACE. REFER TO SHEET M4.03 FOR FABRIC DUCT REQUIREMENTS.
- DESTRATIFICATION FANS SHALL BE CENTERED BETWEEN FABRIC DUCT RUNS.
- REFER TO SHEET M4.03 FOR FIELDHOUSE AREA FABRIC DUCT SECTIONS DETAILS.



**1 LEVEL 2 PLAN - AREA 3 - VENTILATION**  
 1/8" = 1'-0"

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2 PLAN - AREA  
 3 - VENTILATION**

SHEET NUMBER:

**M1.23**

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

PROJECT # 14-004-00  
 DESIGN FIRM REGISTRATION # 15-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



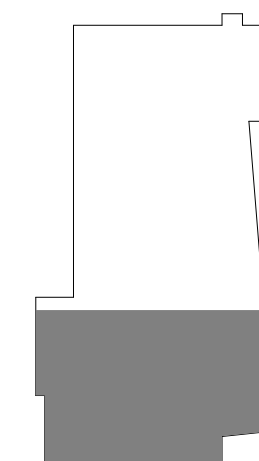
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEPFP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7/17/15

**BID PACKAGE 2  
 ISSUED FOR BID**

NO. DESCRIPTION: DATE:

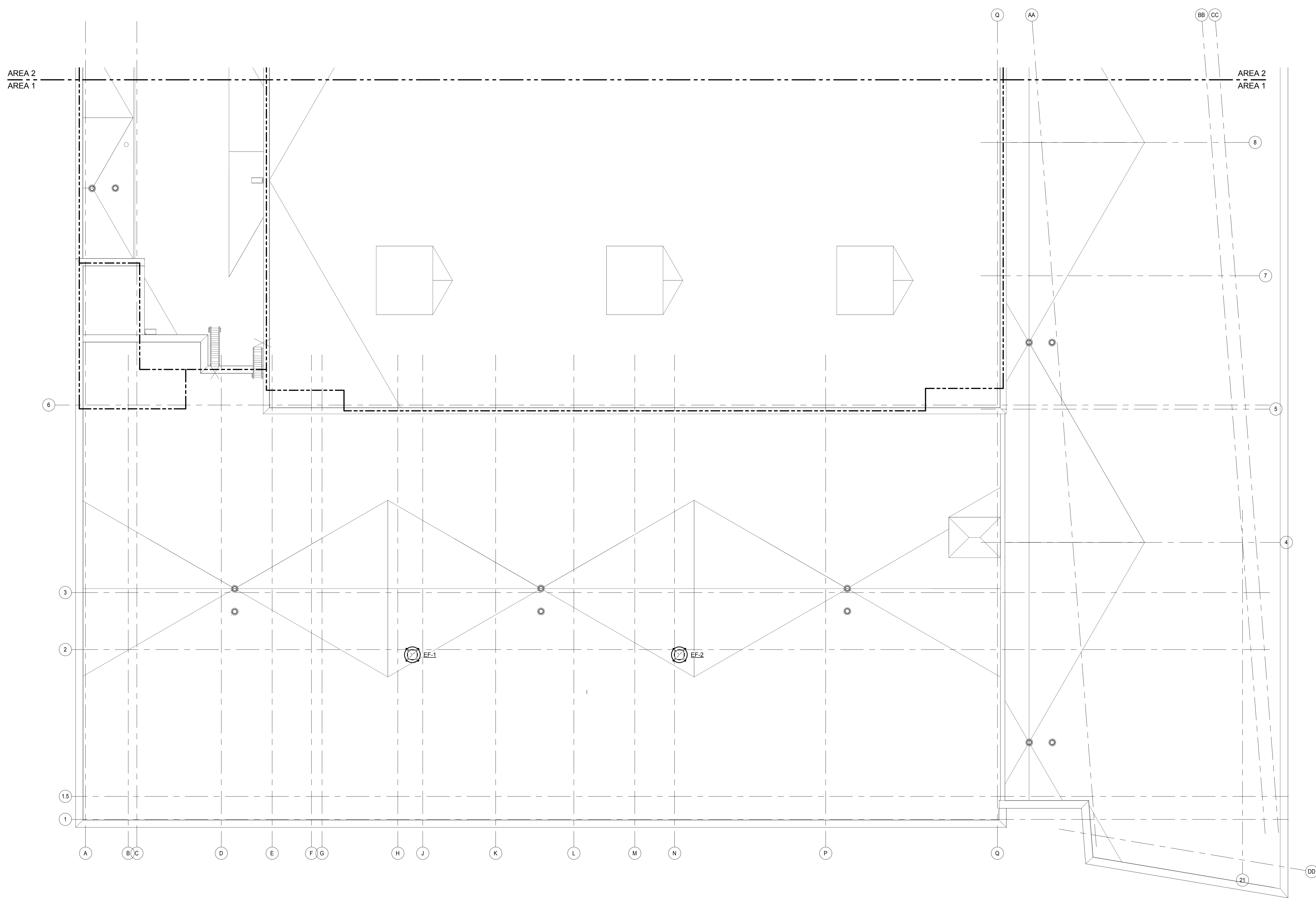
NO.	DESCRIPTION:	DATE:

SHEET TITLE:

**ROOF PLAN - AREA 1  
 - VENTILATION**

SHEET NUMBER:

**M1.31**



**1 ROOF PLAN - AREA 1 - VENTILATION**  
 1/8" = 1'-0"



**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14044.00  
 Illinois Design Firm Registration #18A-080773  
 KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.  
 REFERENCE SCALE IN INCHES  
 0 1 2 3





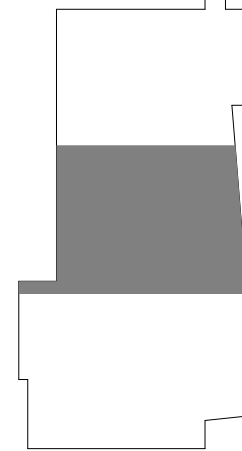
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



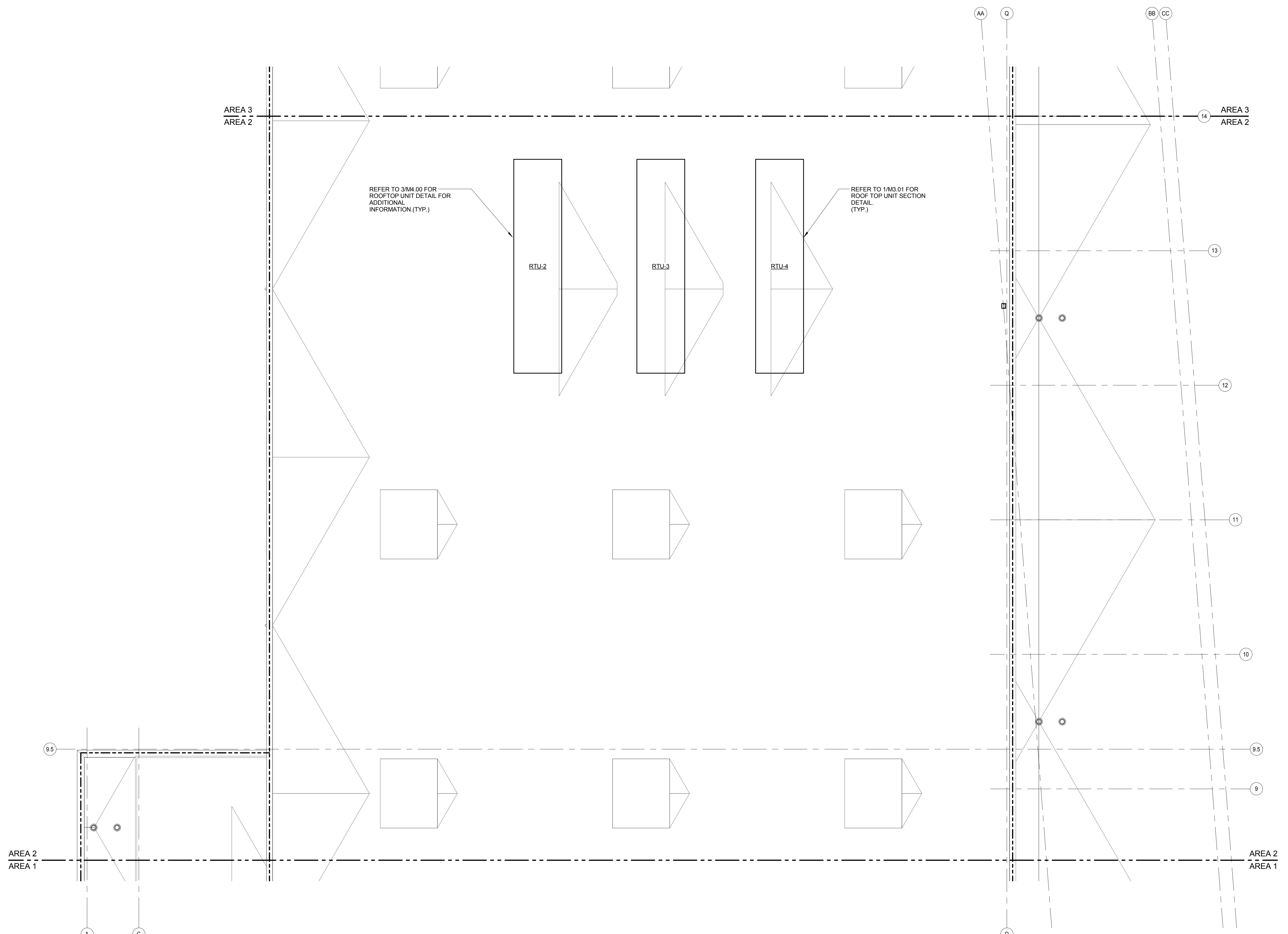
SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ROOF PLAN - AREA 2  
 - VENTILATION**

SHEET NUMBER:

**M1.32**



**1 ROOF PLAN - AREA 2 - VENTILATION**  
 1/8" = 1'-0"



**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**W W ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

PROJECT # 14044.00  
 DESIGN FIRM REGISTRATION #18-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



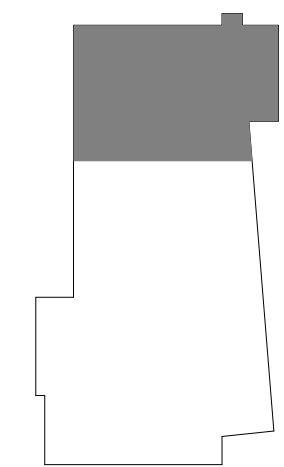
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEPFP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



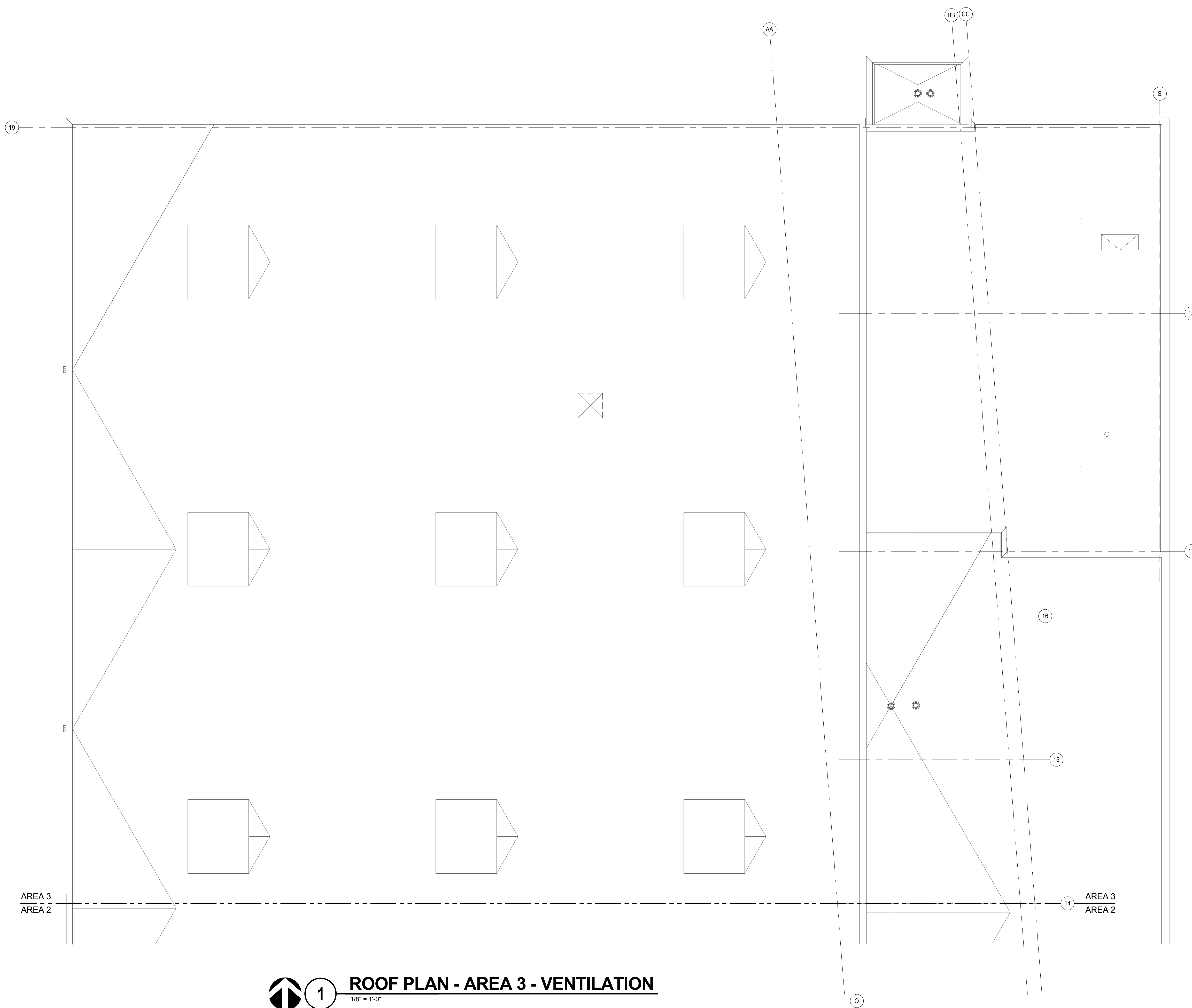
SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ROOF PLAN - AREA 3  
 - VENTILATION**

SHEET NUMBER:

**M1.33**



**1 ROOF PLAN - AREA 3 - VENTILATION**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**THE FUTURE IS SMARTER™**  
 PROJECT # 14044.00  
 Illinois Design Firm Registration #18A-000773

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



**GENERAL SHEET NOTES**  
 1. THE PLANS ON THIS SHEET ARE PART OF ALTERNATES 1, 2, AND 3. CONTRACTOR SHALL SEE SHEET M1.11 & M1.12 FOR BASE BID PLANS.

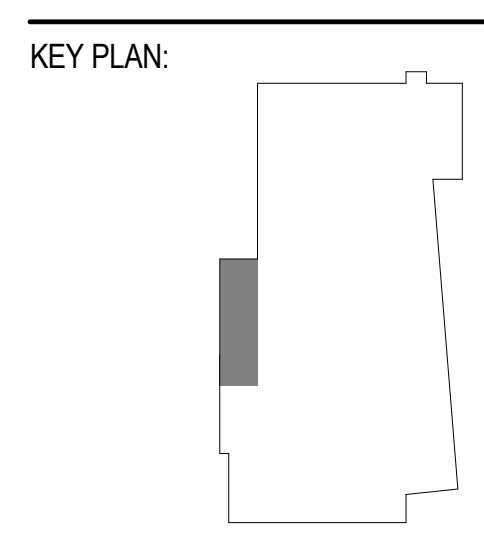


ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEPFP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

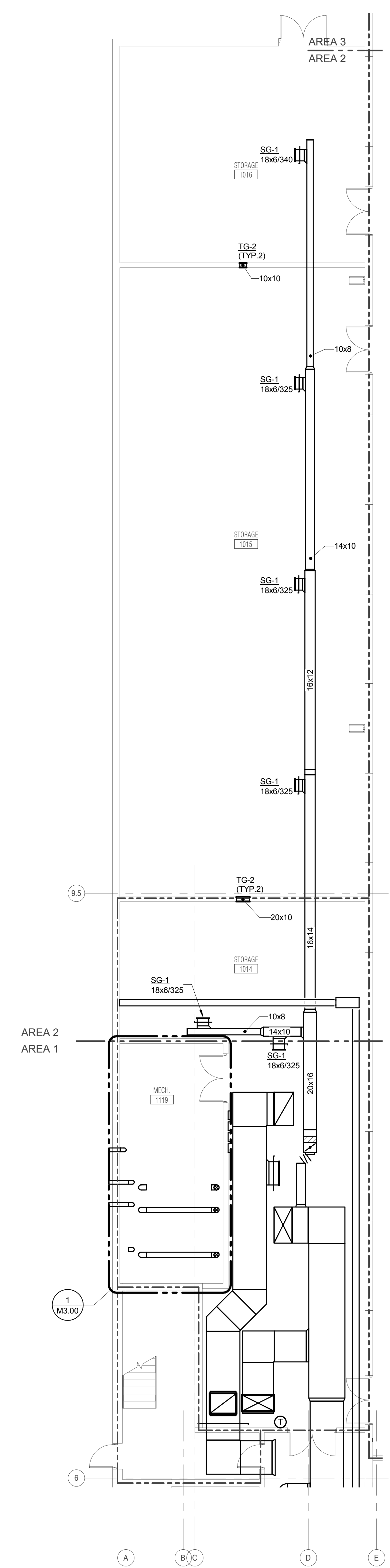


SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

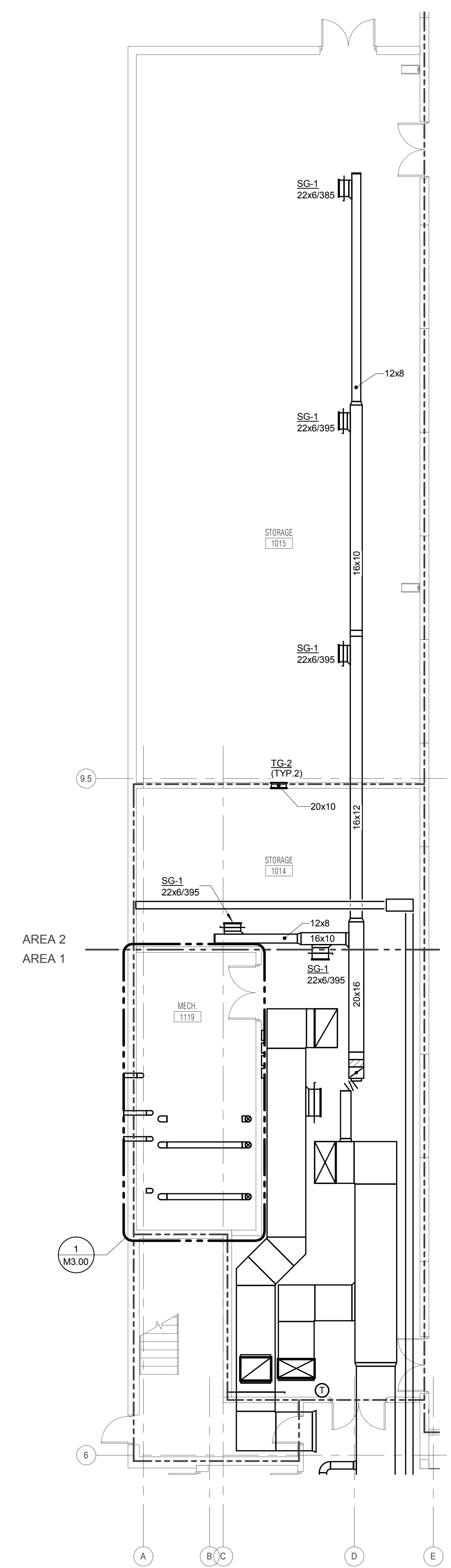
NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ALTERNATE PLANS -  
 VENTILATION**

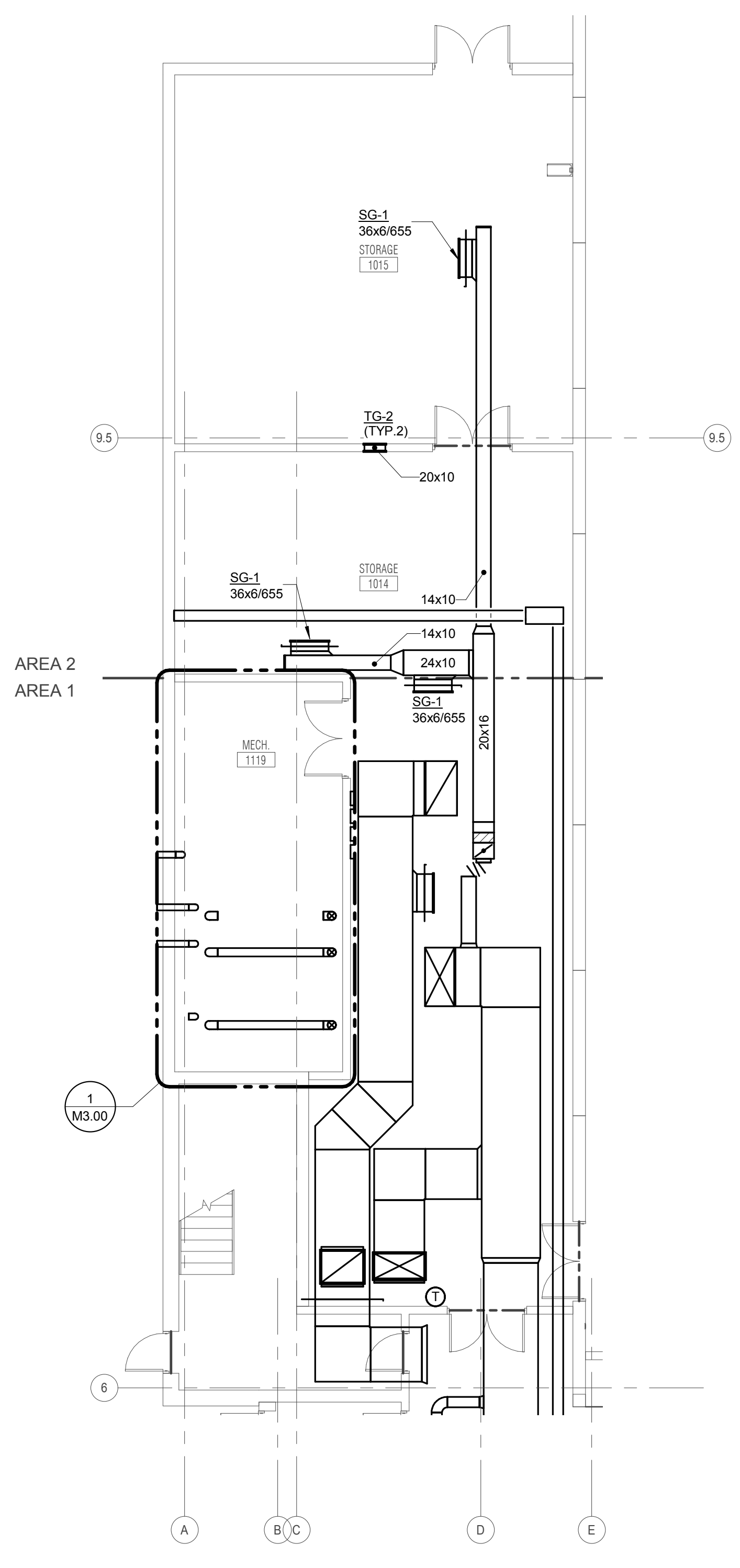
SHEET NUMBER:  
**M1.40**



**LEVEL 1 PLAN - AREA 2 -  
 VENTILATION - ALT 3**  
 1/8" = 1'-0"



**LEVEL 1 PLAN - AREA 2 -  
 VENTILATION - ALT 2**  
 1/8" = 1'-0"



**LEVEL 1 PLAN - AREA 2 -  
 VENTILATION - ALT 1**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**THE FUTURE IS SMARTER™**  
 Illinois Design Firm Registration #18-00073  
 PROJECT # 14044-00

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



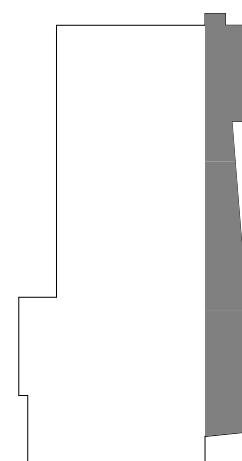
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEPFP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

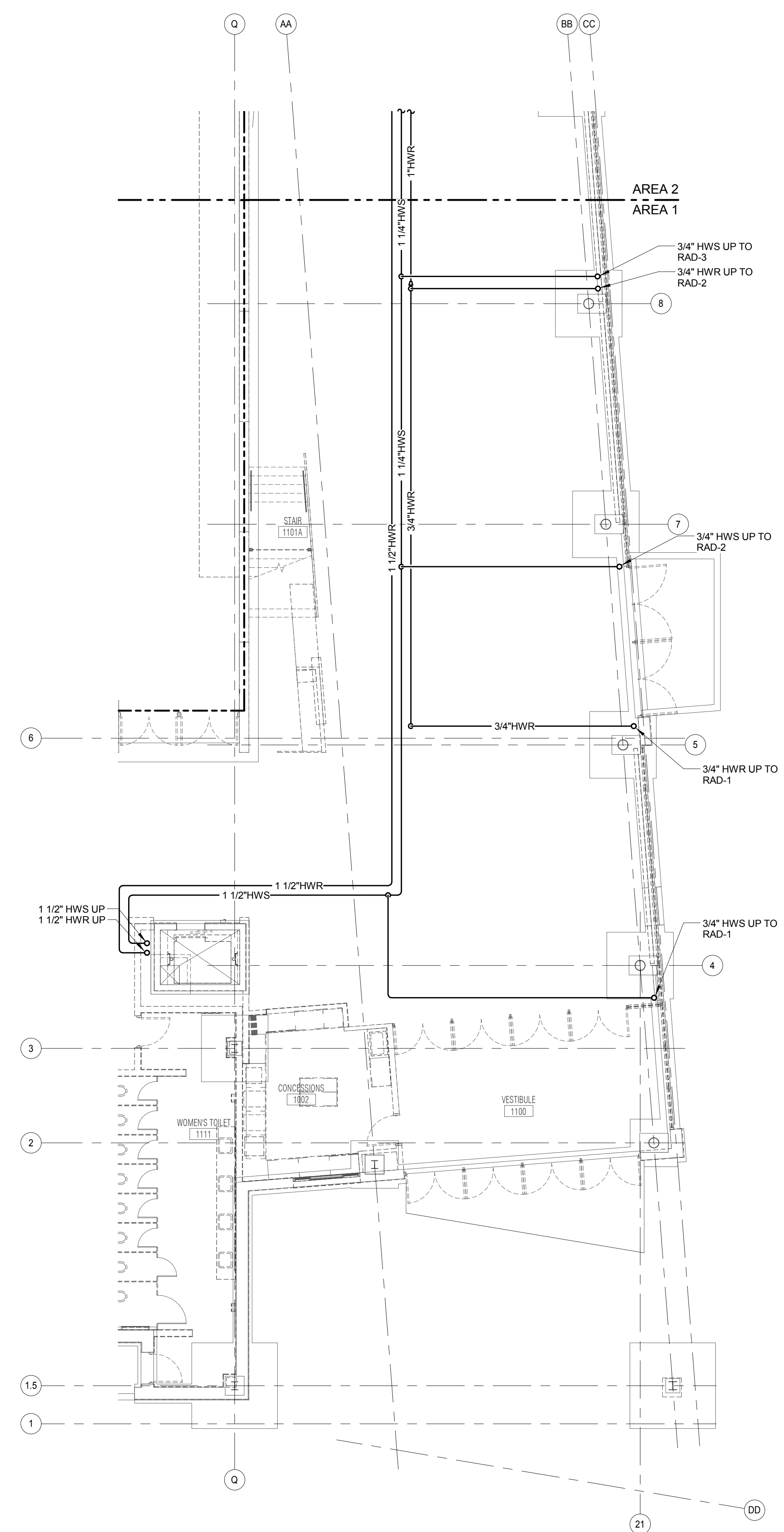


SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

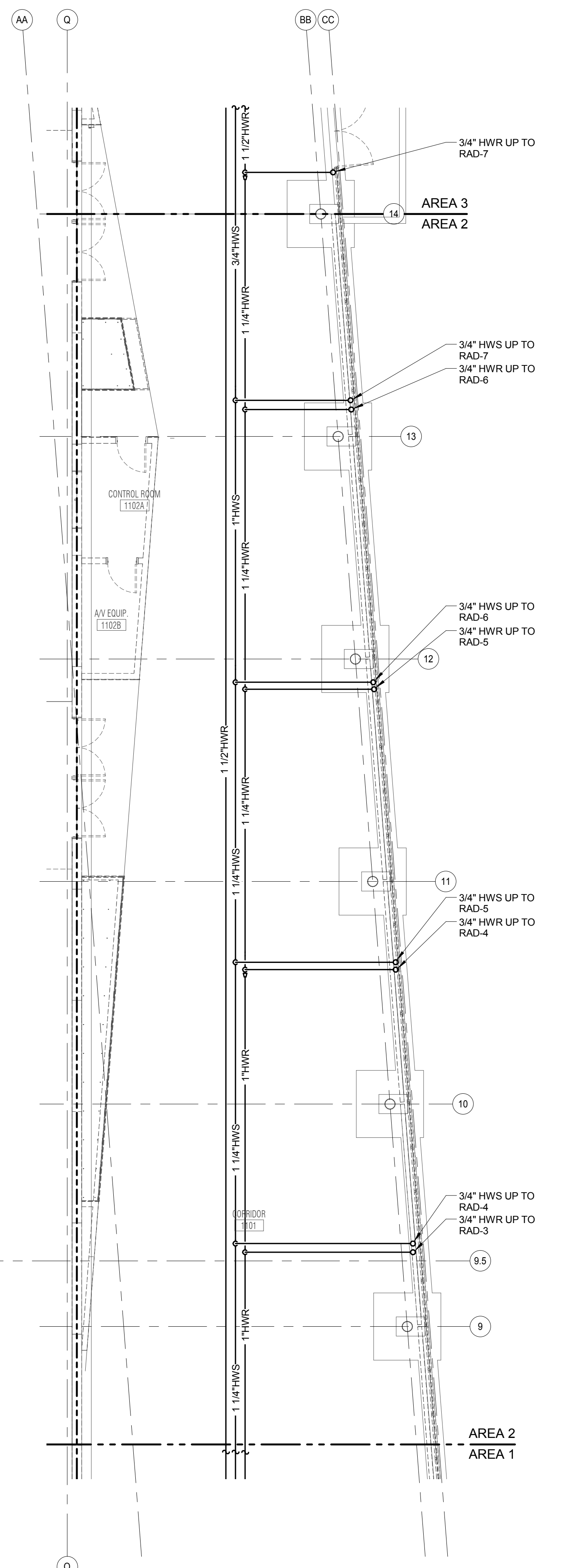
NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**UNDER FLOOR PLAN  
 - AREAS 1, 2, & 3 -  
 PIPING**

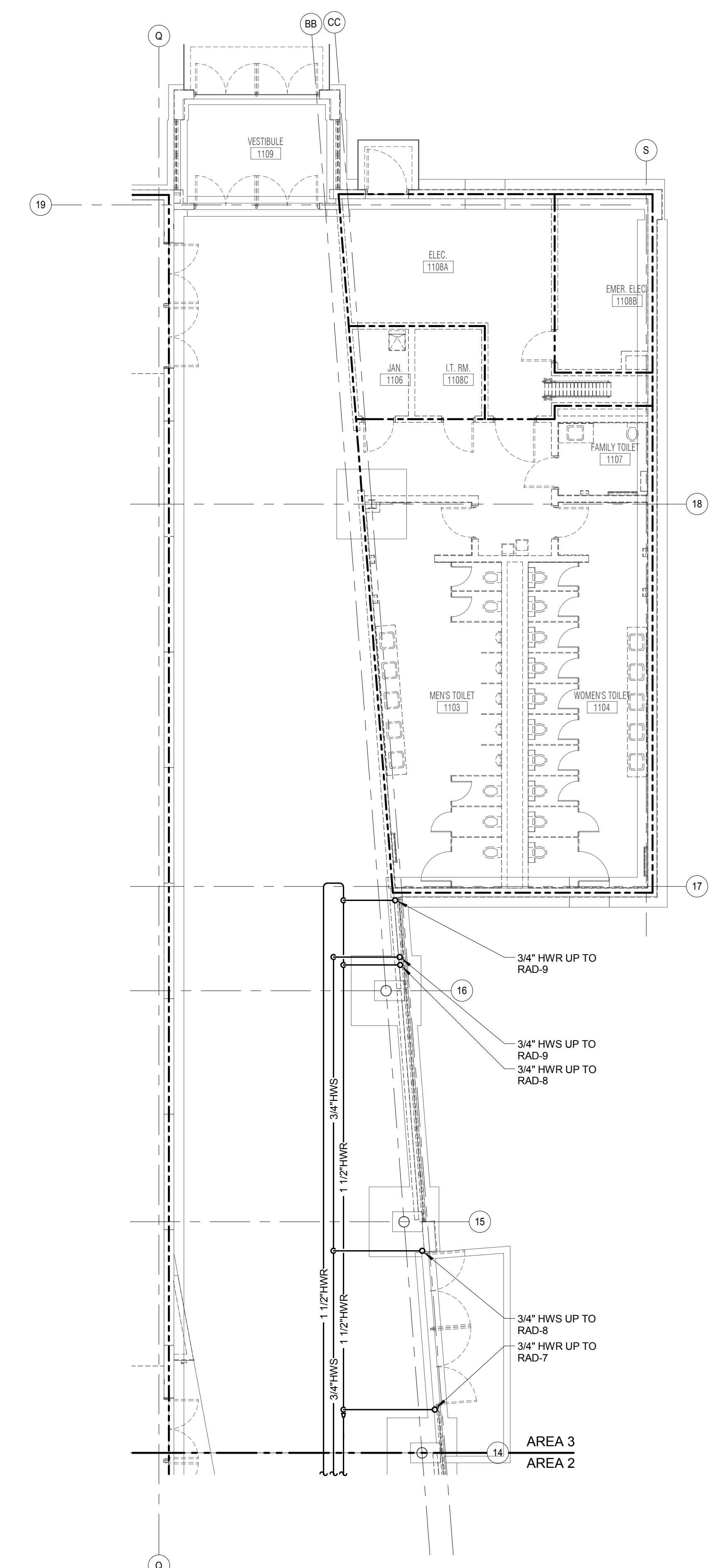
SHEET NUMBER:  
**M2.00**



**1 UNDER FLOOR PLAN - AREA 1 - PIPING**  
 1/8" = 1'-0"



**2 UNDER FLOOR PLAN - AREA 2 - PIPING**  
 1/8" = 1'-0"



**3 UNDER FLOOR PLAN - AREA 3 - PIPING**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM

**W W ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM

Block Design Firm Registration #18-08073  
 PROJECT # 14044.00

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SUCH DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3





ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

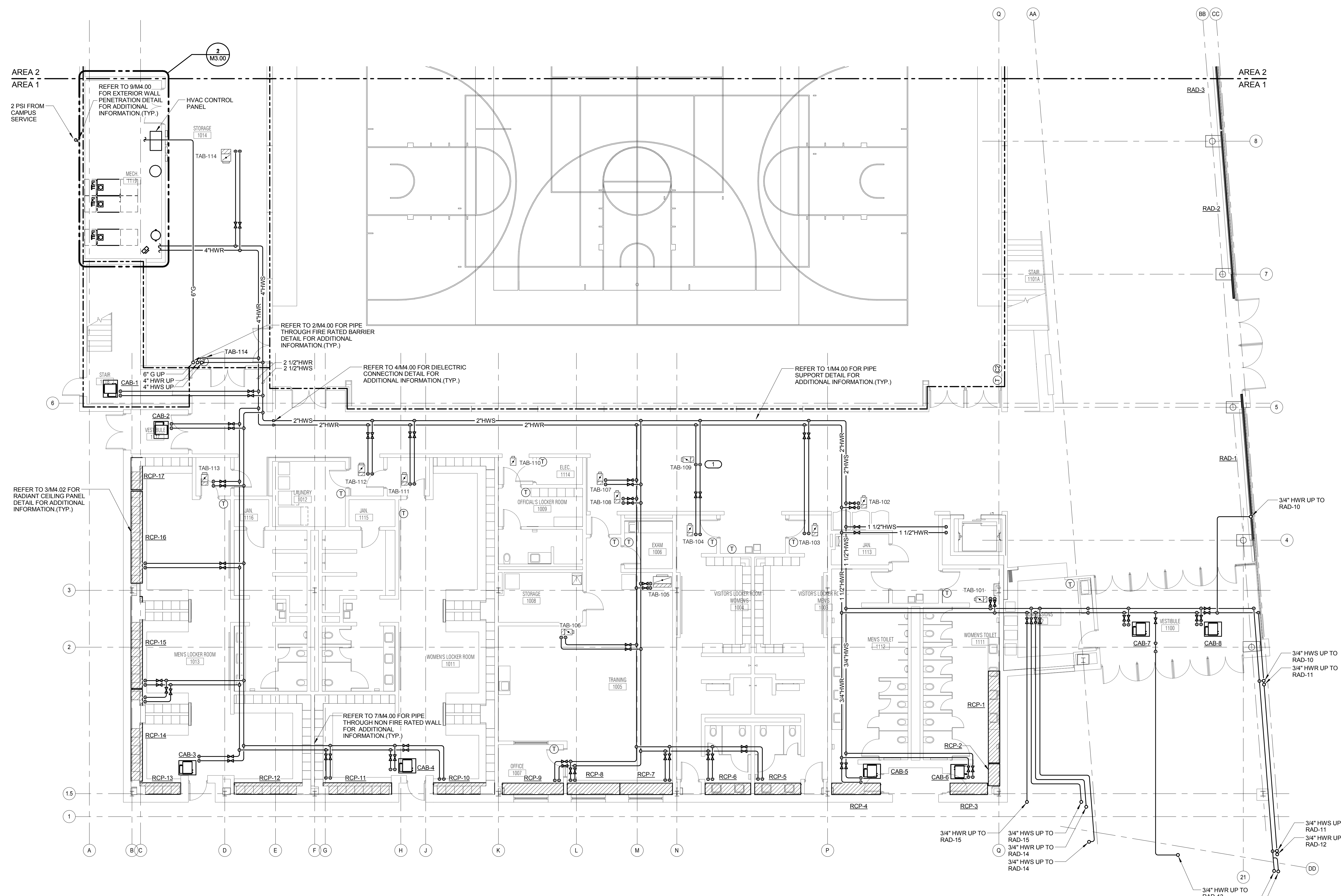
**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

**GENERAL SHEET NOTES**

1. ALL PIPING TO TERMINAL UNITS SHALL BE 3/4" UNLESS NOTED OTHERWISE.

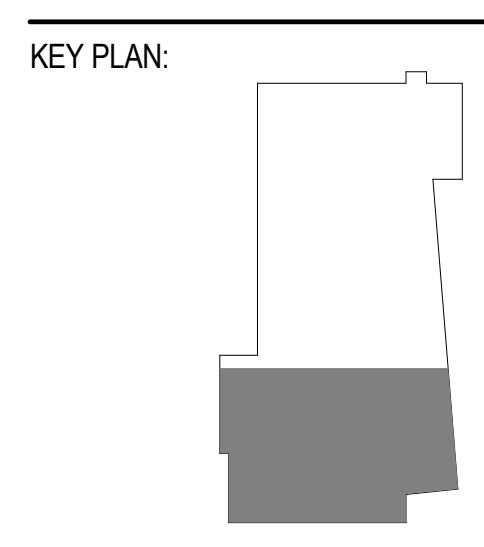
**KEYNOTES (#)**

1. INSTALL SHUT-OFF VALVES IN VERTICAL PIPING.



**1 LEVEL 1 PLAN - AREA 1 - PIPING**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14004.00  
 KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.



SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1 PLAN - AREA  
 1 - PIPING**

SHEET NUMBER:  
**M2.11**



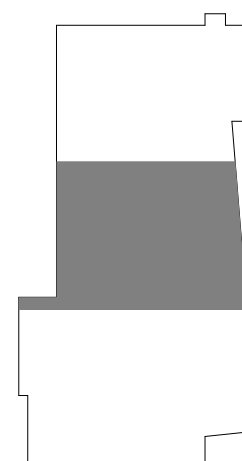
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7/17/15

**BID PACKAGE 2  
 ISSUED FOR BID**

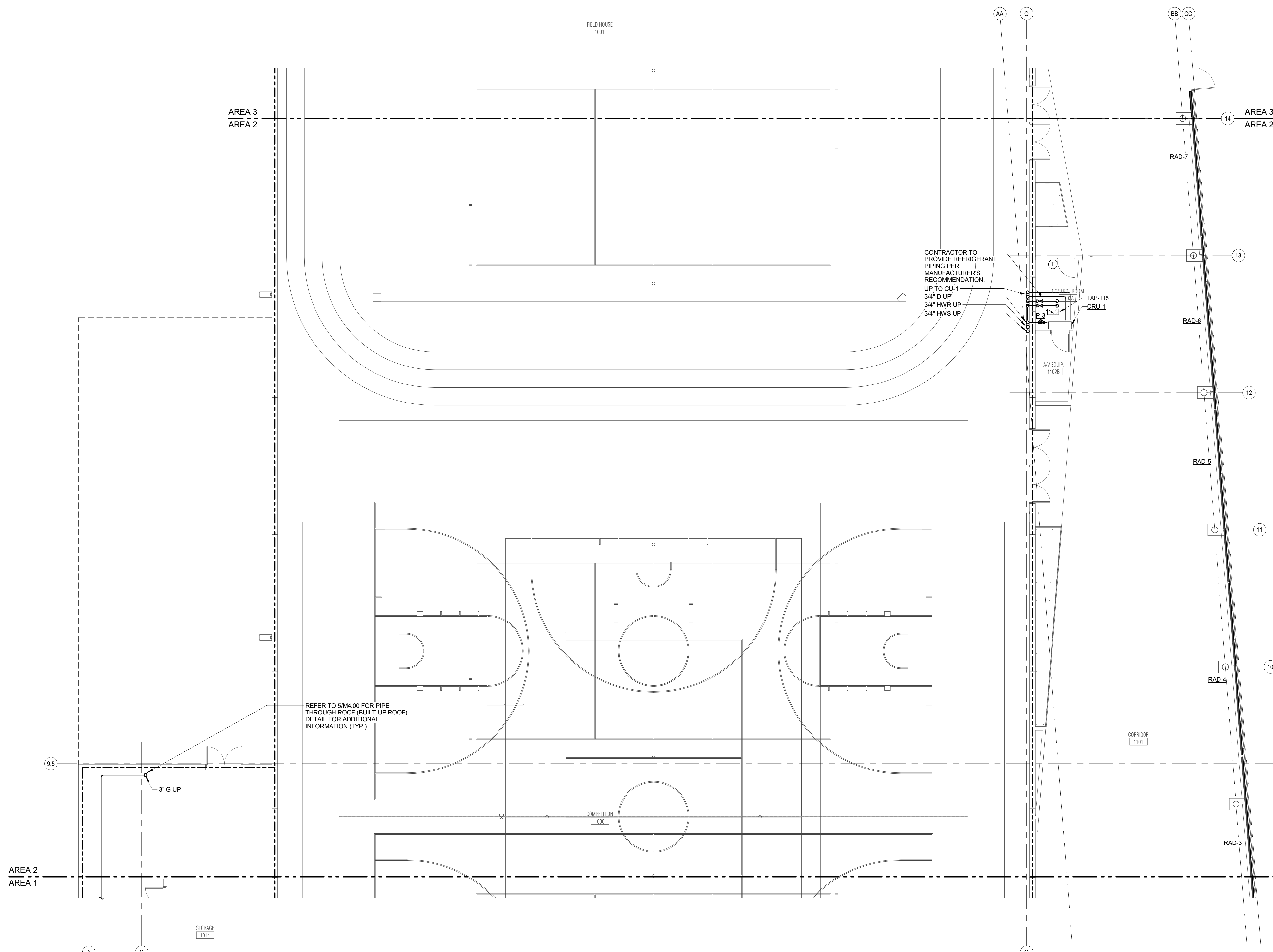
NO.	DESCRIPTION:	DATE:

SHEET TITLE:

**LEVEL 1 PLAN - AREA 2 - PIPING**

SHEET NUMBER:

**M2.12**



**1 LEVEL 1 PLAN - AREA 2 - PIPING**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**PROJECT # 14064.00**  
 DESIGN FIRM REGISTRATION # 15A-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



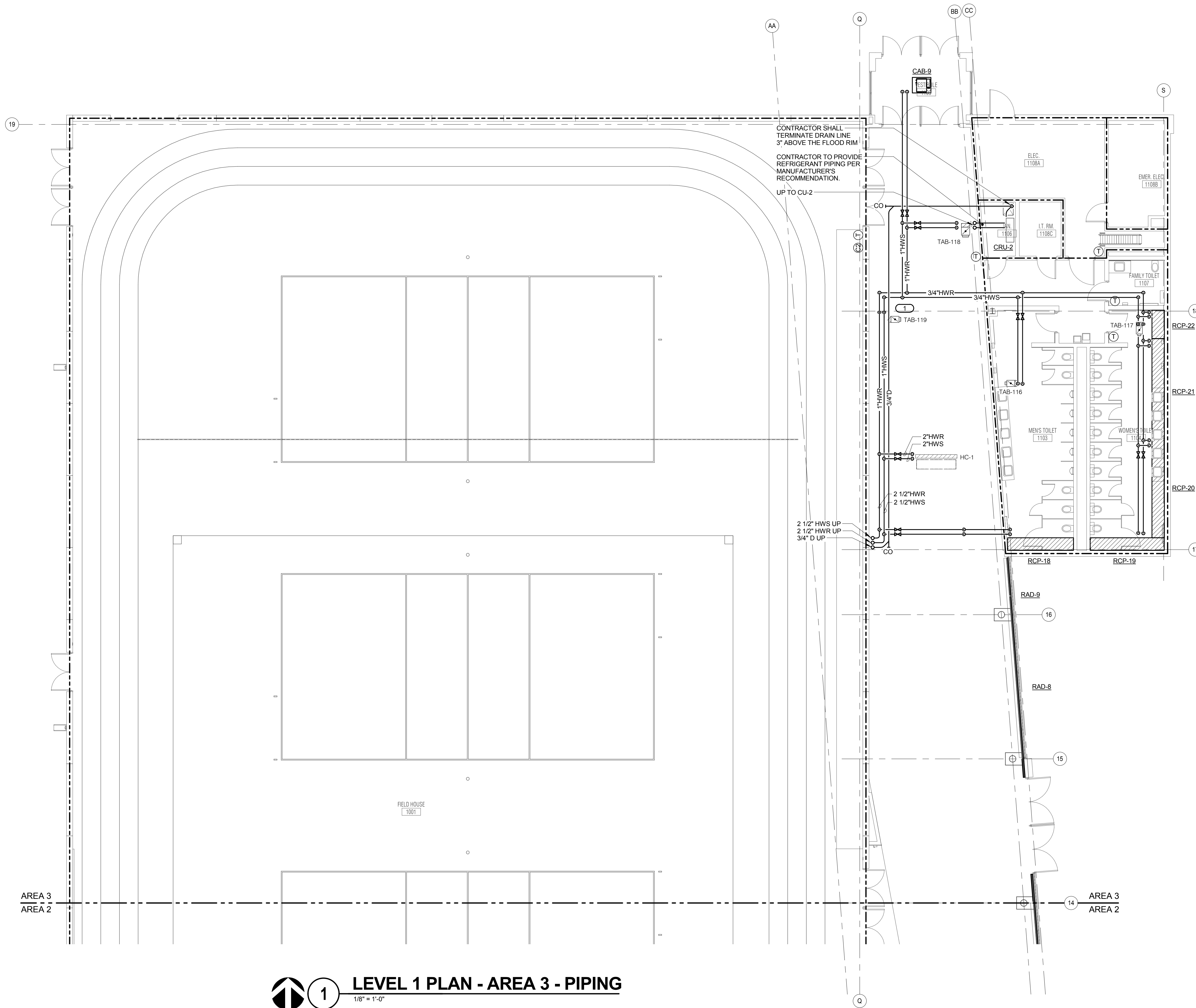


ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEPFP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

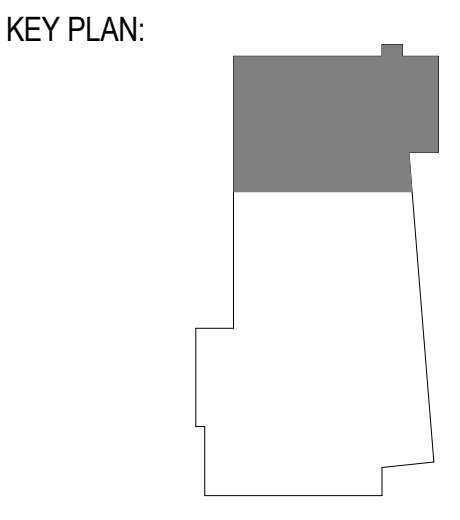
CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

- GENERAL SHEET NOTES**
- ALL PIPING TO TERMINAL UNITS SHALL BE 3/4" UNLESS NOTED OTHERWISE.
- KEYNOTES** ( # )
- INSTALL SHUT-OFF VALVES IN VERTICAL PIPING.



**1 LEVEL 1 PLAN - AREA 3 - PIPING**  
 1/8" = 1'-0"

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1 PLAN - AREA  
 3 - PIPING**

SHEET NUMBER:  
**M2.13**

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**THE FUTURE IS SMARTER!**  
 BIDDING DESIGN FIRM REGISTRATION #184-00073  
 PROJECT # 140444.00

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

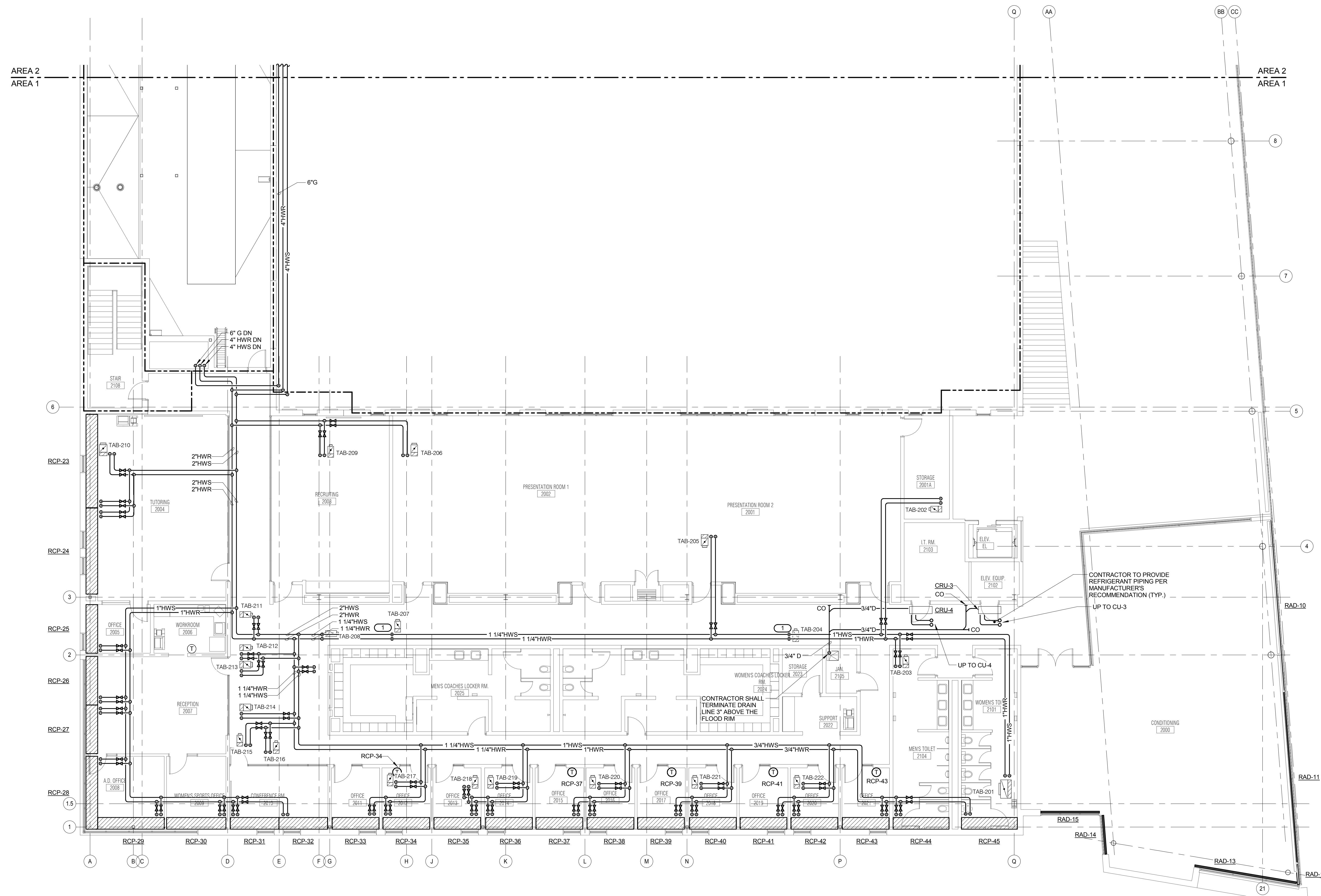
CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**GENERAL SHEET NOTES**

1. ALL PIPING TO TERMINAL UNITS SHALL BE 3/4" UNLESS NOTED OTHERWISE.
2. ALL PIPING LOCATED IN FIELDHOUSE SHALL BE ROUTED AS TIGHT TO DECK AS POSSIBLE.

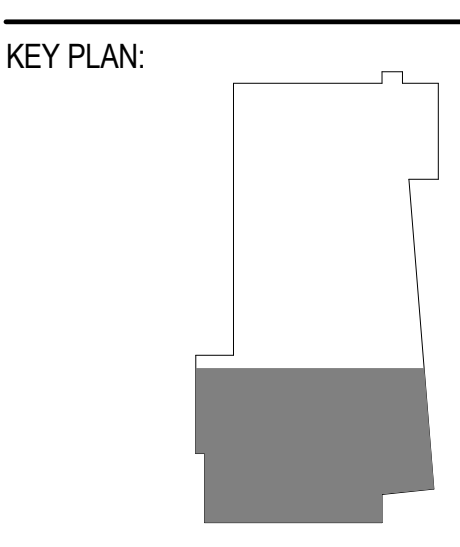
**KEYNOTES** (K#)

1. INSTALL SHUT-OFF VALVES IN VERTICAL PIPING.



**1 LEVEL 2 PLAN - AREA 1 - PIPING**  
 1/8" = 1'-0"

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2 PLAN - AREA  
 1 - PIPING**

SHEET NUMBER:  
**M2.21**

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14044-00  
 DESIGN FIRM REGISTRATION #18-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3





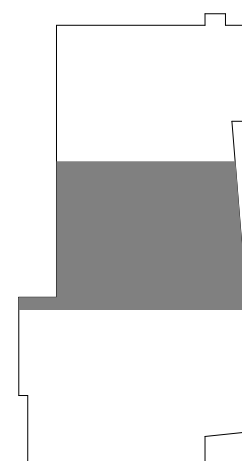
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7/17/15

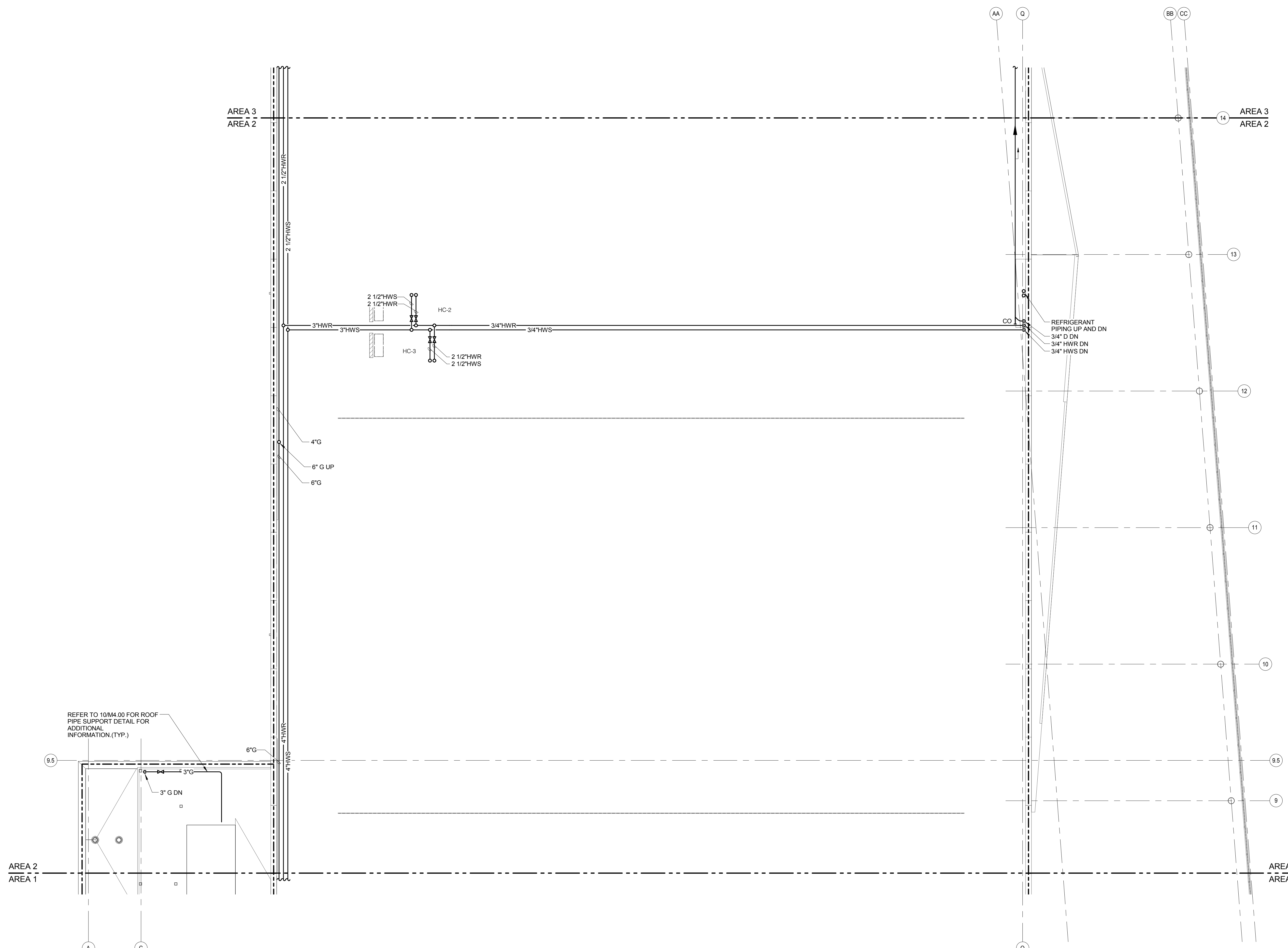
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

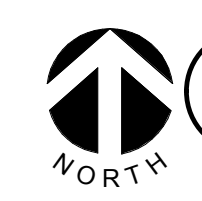
SHEET TITLE:  
**LEVEL 2 PLAN - AREA 2 - PIPING**

SHEET NUMBER:

**M2.22**



**1 LEVEL 2 PLAN - AREA 2 - PIPING**  
 1/8" = 1'-0"



**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**W W ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

PROJECT # 14044.00

© 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES

REFER TO 10M4.00 FOR ROOF  
 PIPE SUPPORT DETAIL FOR  
 ADDITIONAL INFORMATION (TYP.)



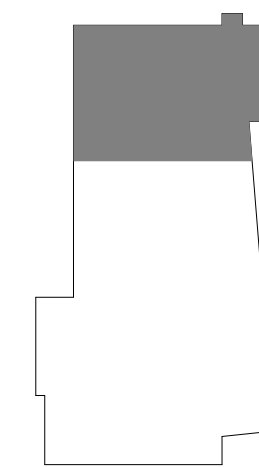
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEPFP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



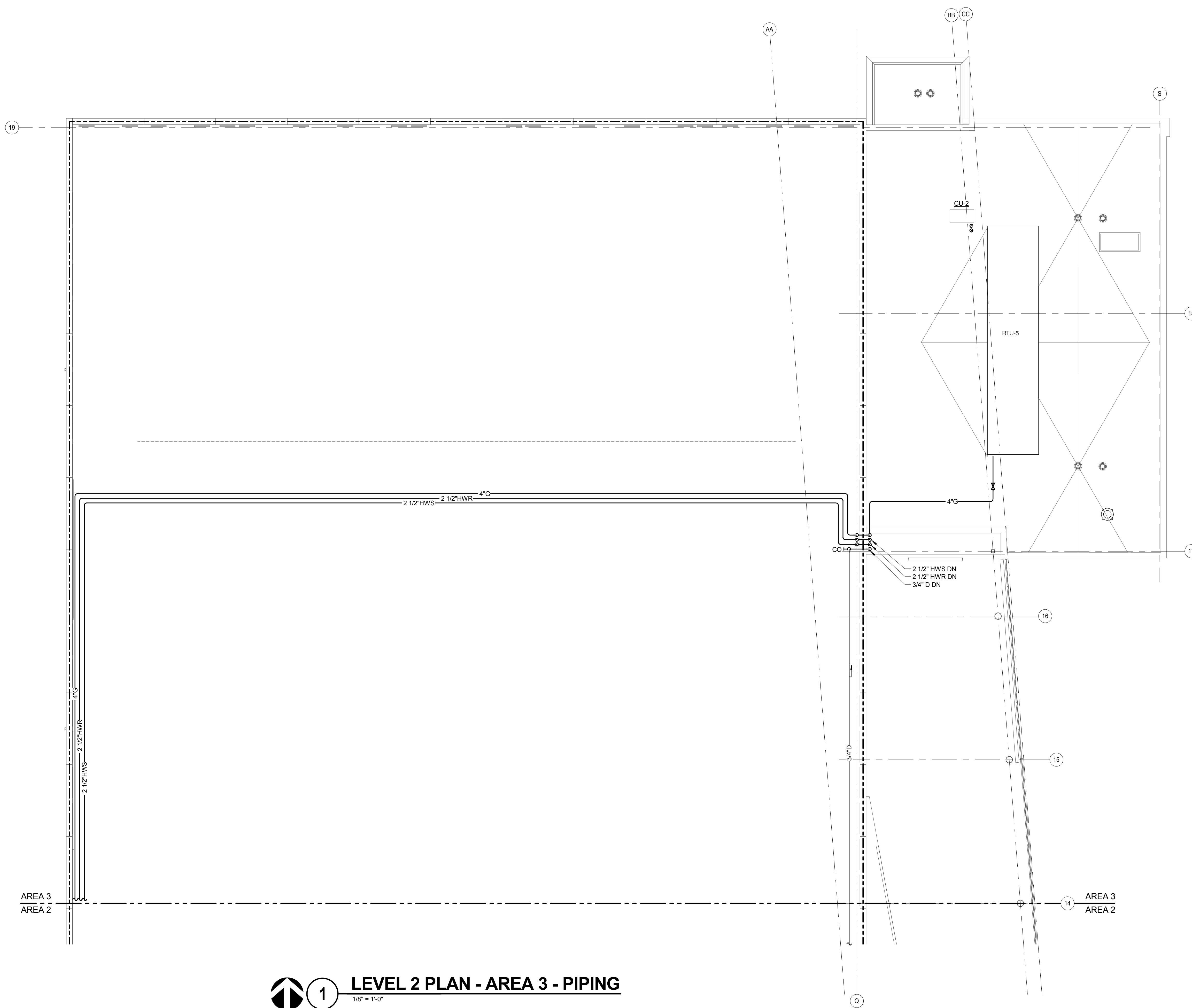
SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2 PLAN - AREA  
 3 - PIPING**

SHEET NUMBER:

**M2.23**



**1 LEVEL 2 PLAN - AREA 3 - PIPING**  
 1/8" = 1'-0"



**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 THE FUTURE IS SMARTER!  
 PROJECT # 14-004-00

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3





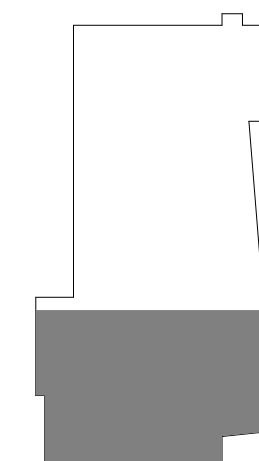
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEPFP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



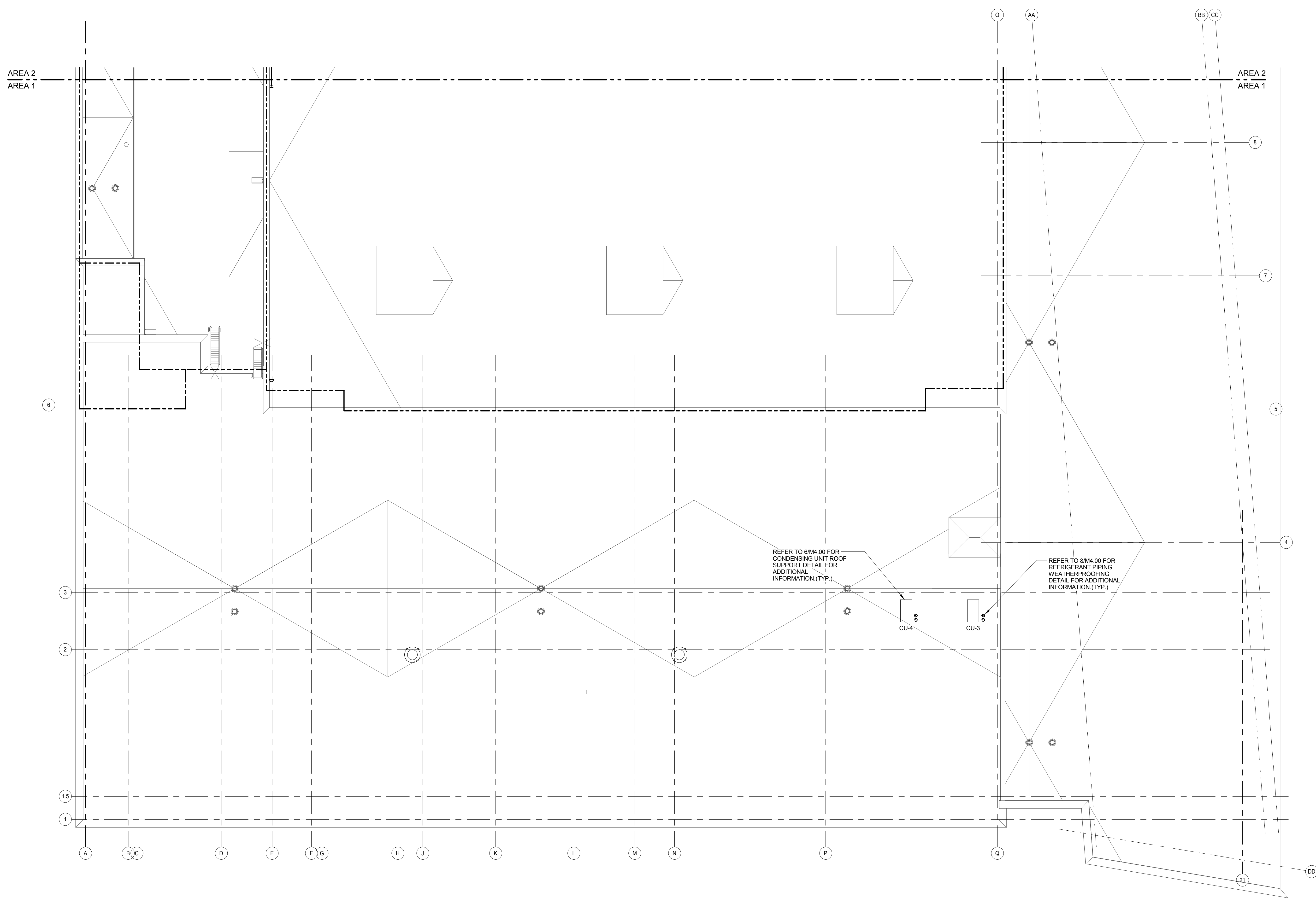
SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ROOF PLAN - AREA 1  
 - PIPING**

SHEET NUMBER:

**M2.31**



**1 ROOF PLAN - AREA 1 - PIPING**  
 1/8" = 1'-0"



**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

PROJECT # 14044.00

© 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES



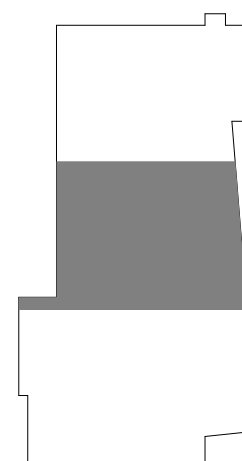
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEPFP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

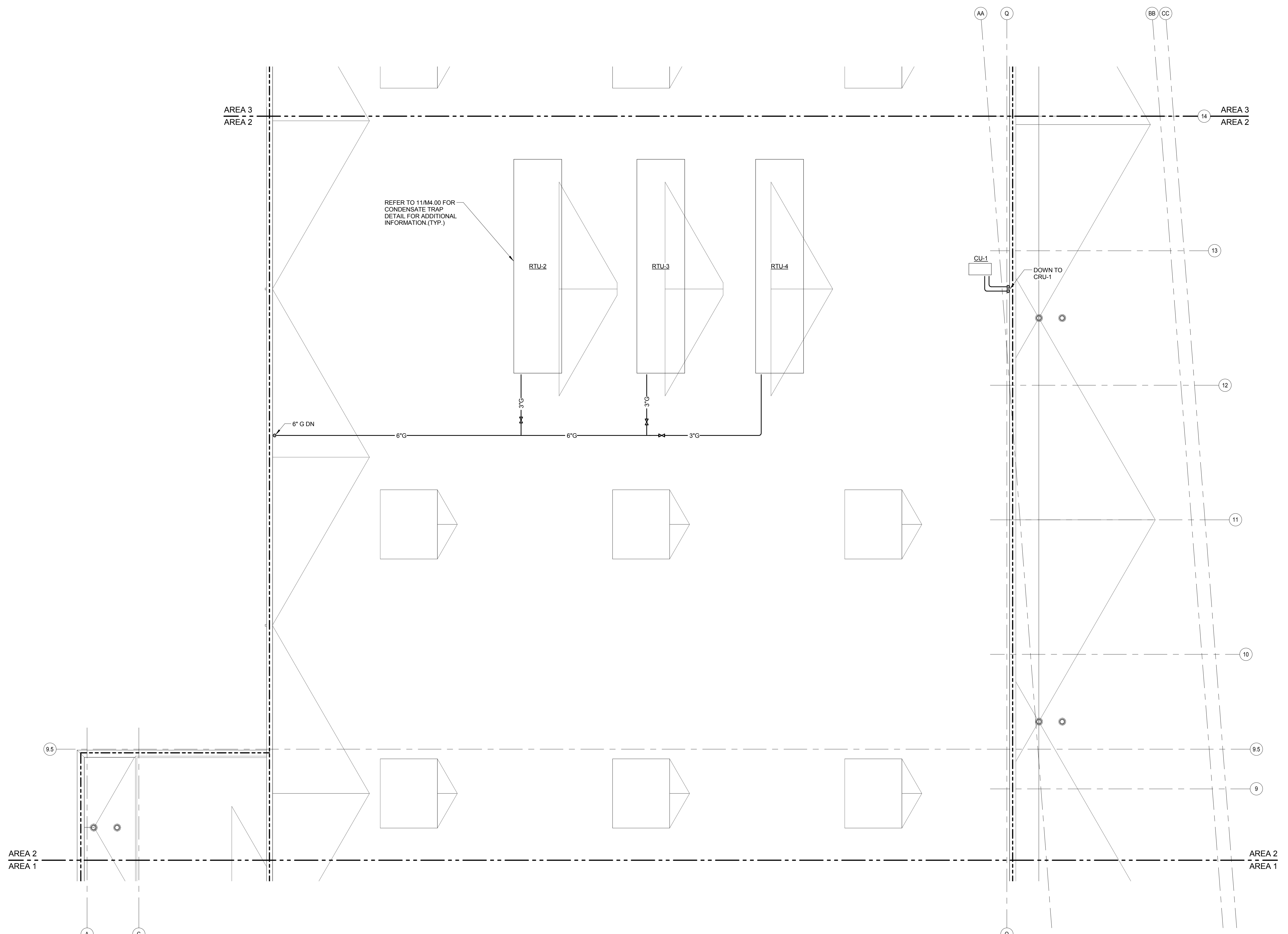


SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ROOF PLAN - AREA 2  
 - PIPING**

SHEET NUMBER:  
**M2.32**



**1 ROOF PLAN - AREA 2 - PIPING**  
 1/8" = 1'-0"



**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**W W ENGINEERING**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.WWENGINEERING.COM

Project: 14-004  
 Design Firm Registration #18-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3





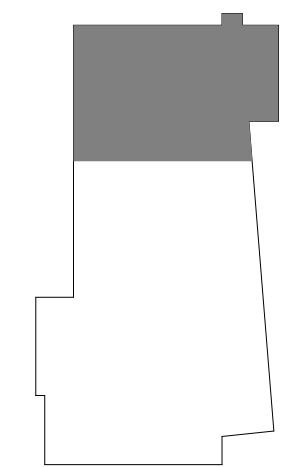
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEPFP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



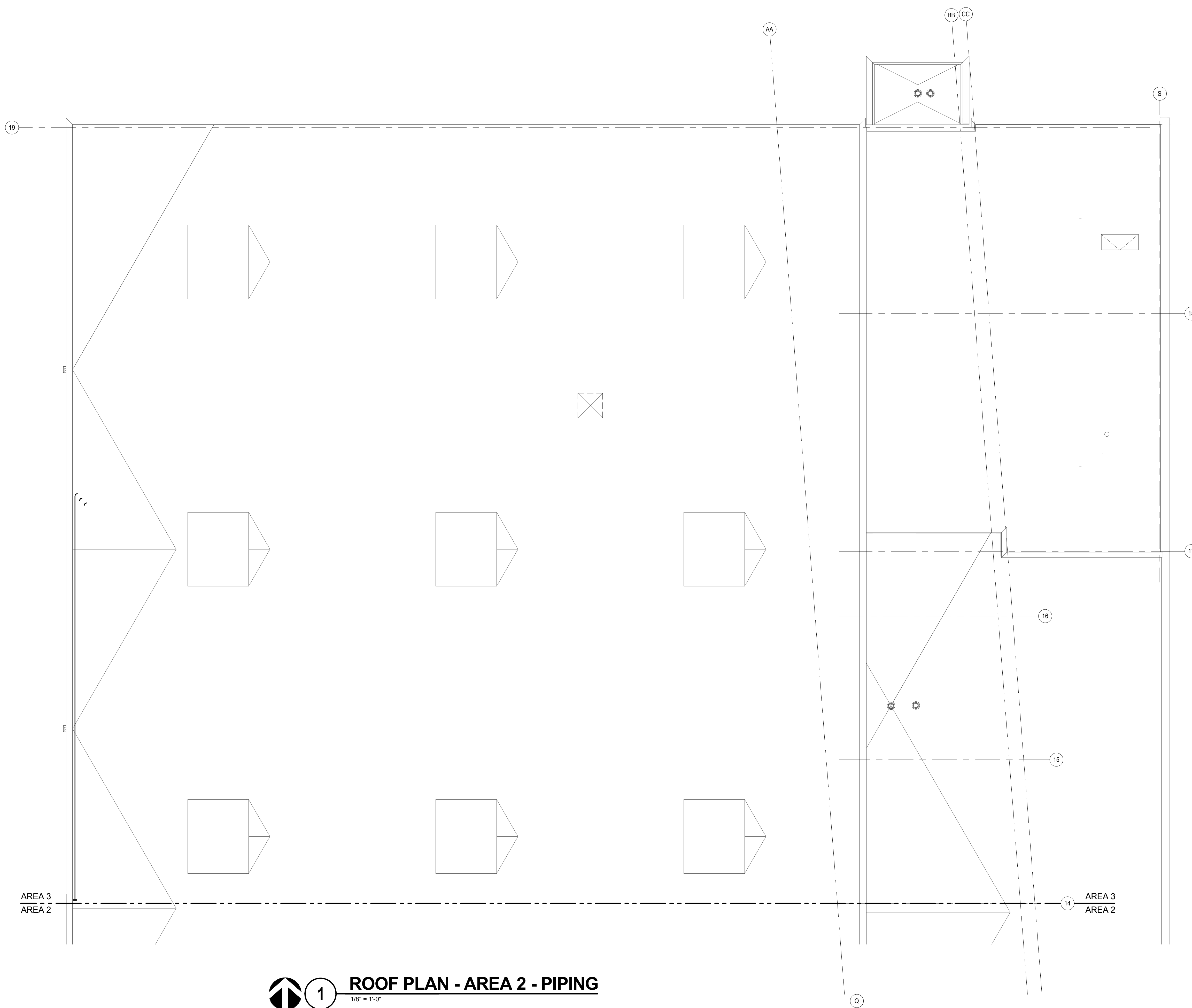
SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ROOF PLAN - AREA 3  
 - PIPING**

SHEET NUMBER:

**M2.33**



**1 ROOF PLAN - AREA 2 - PIPING**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM

**THE FUTURE IS SMARTER™**  
 PROJECT # 14044.00  
 Illinois Design Firm Registration #15A-080773

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3

**GENERAL SHEET NOTES**  
 1. THE PLANS ON THIS SHEET ARE PART OF ALTERNATES 1, 2, AND 3. CONTRACTOR SHALL SEE SHEET M2.11 & M2.12 FOR BASE BID PLANS.

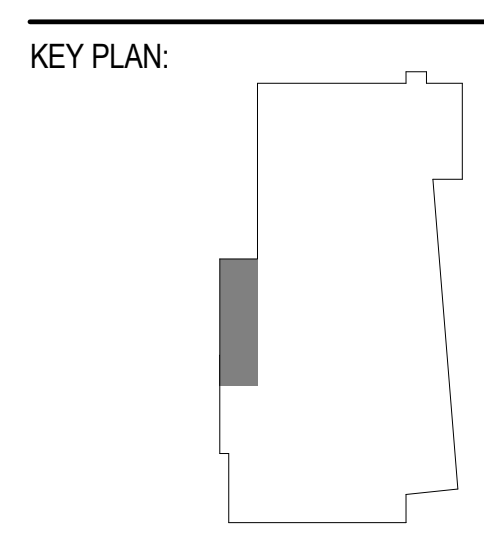


ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

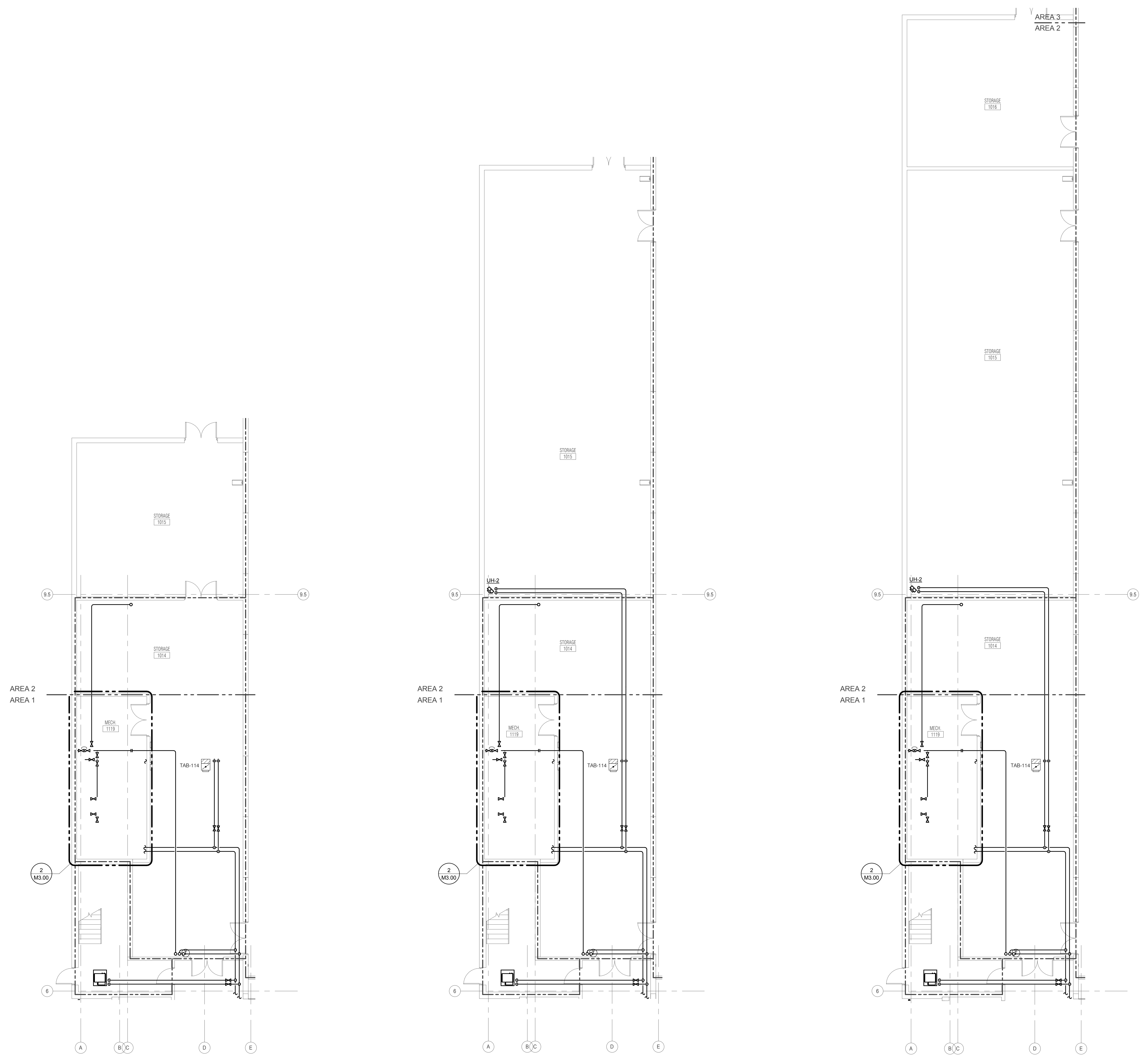


SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ALTERNATE PLANS -  
 PIPING**

SHEET NUMBER:  
**M2.40**



**LEVEL 1 PLAN - AREA 2 -  
 PIPING - ALT 1**  
 1/8" = 1'-0"

**LEVEL 1 PLAN - AREA 2 -  
 PIPING - ALT 2**  
 1/8" = 1'-0"

**LEVEL 1 PLAN - AREA 2 -  
 PIPING - ALT 3**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM

**THE FUTURE IS SMARTER**  
 PROJECT # 14044-00  
 Illinois Design Firm Registration #18-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SUCH DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



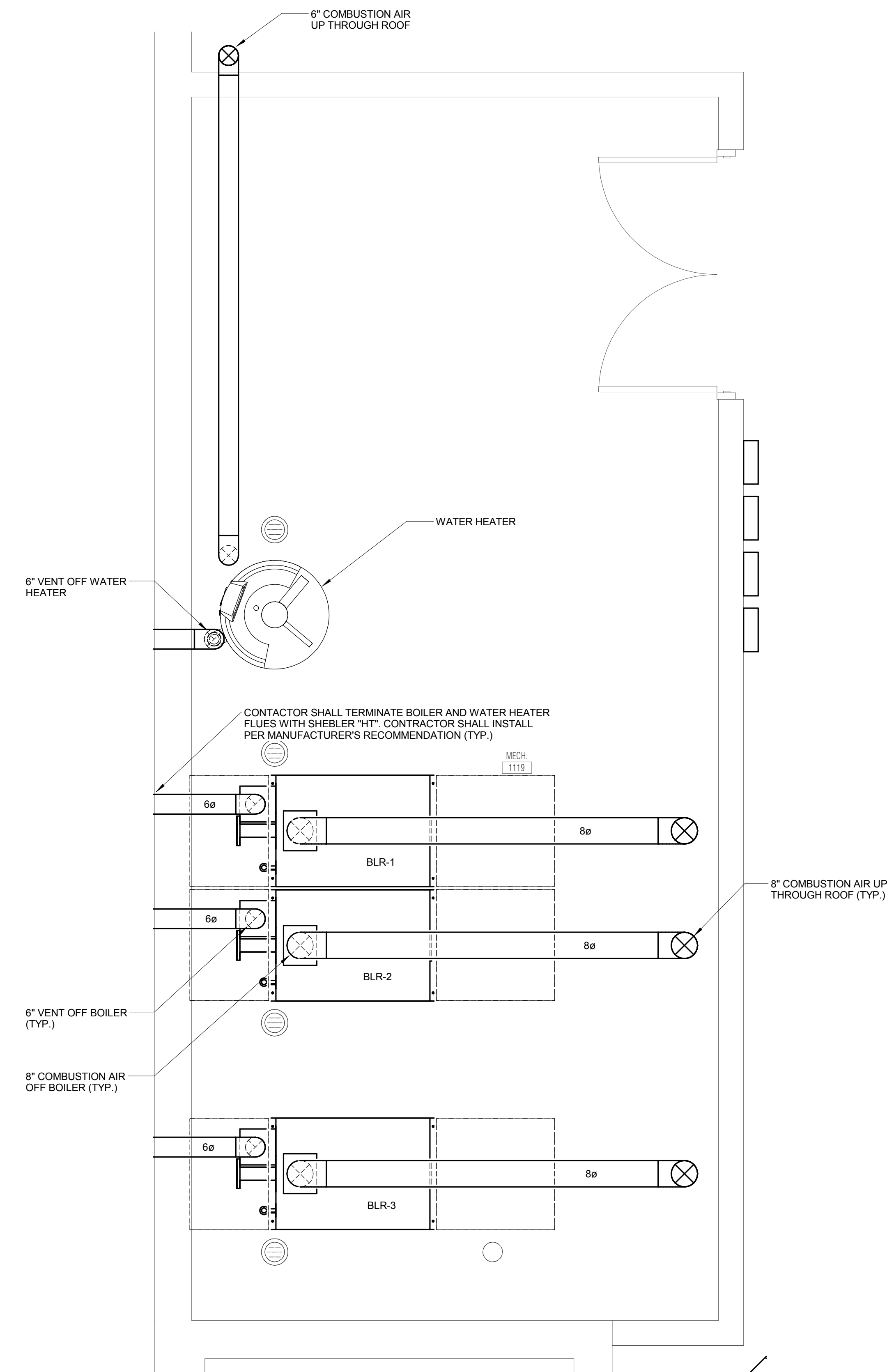


ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

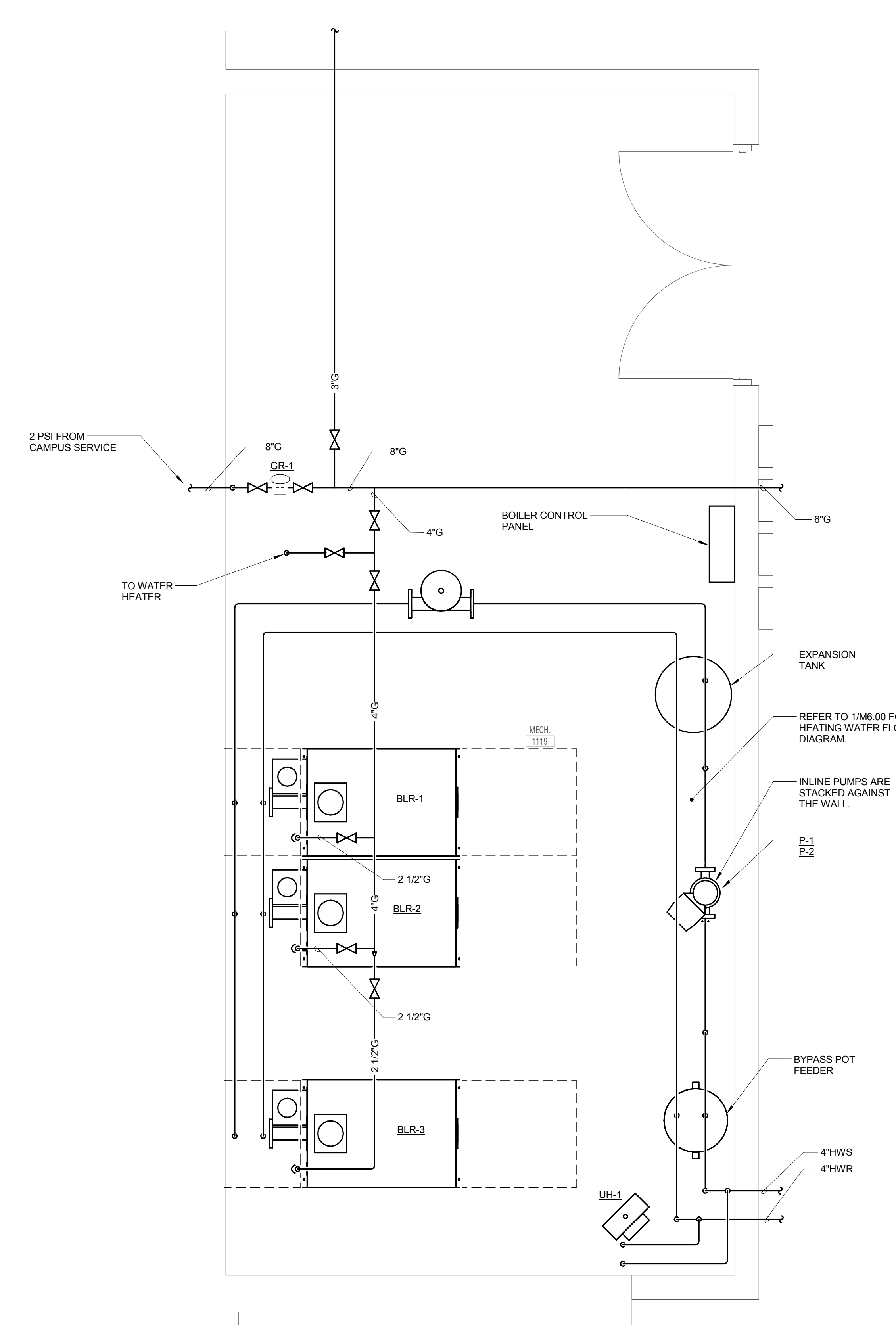
STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



**1 ENLARGED PLAN - MECHANICAL ROOM 1119 - VENTILATION**  
 1/2" = 1'-0"



**2 ENLARGED PLAN - MECHANICAL ROOM 1119 - PIPING**  
 1/2" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14-004-00  
 DESIGN FIRM REGISTRATION #18A-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3

KEY PLAN:

SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ENLARGED PLANS -  
 MECHANICAL**

SHEET NUMBER:

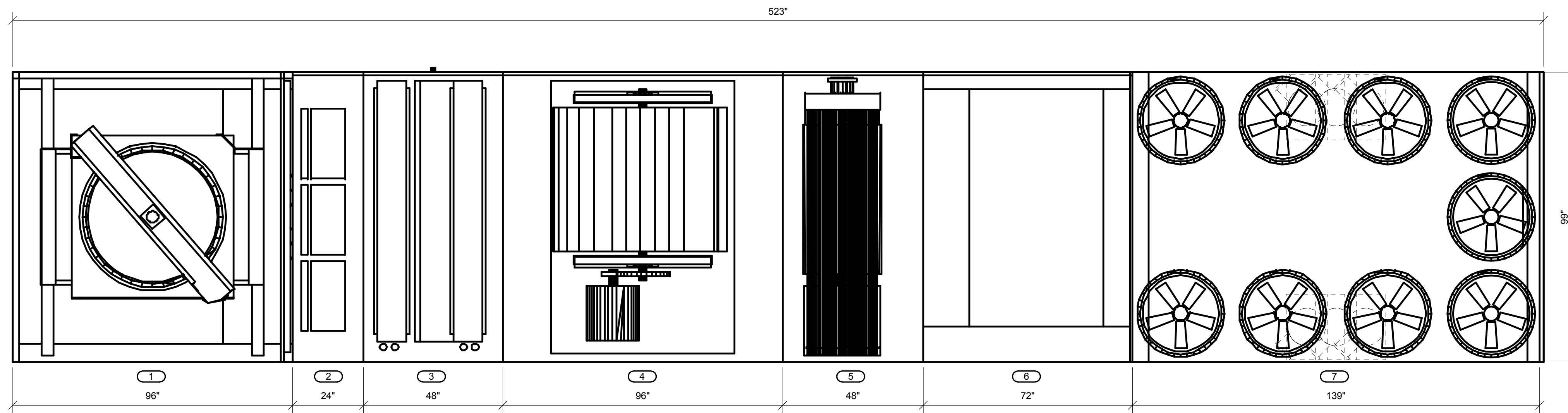
**M3.00**



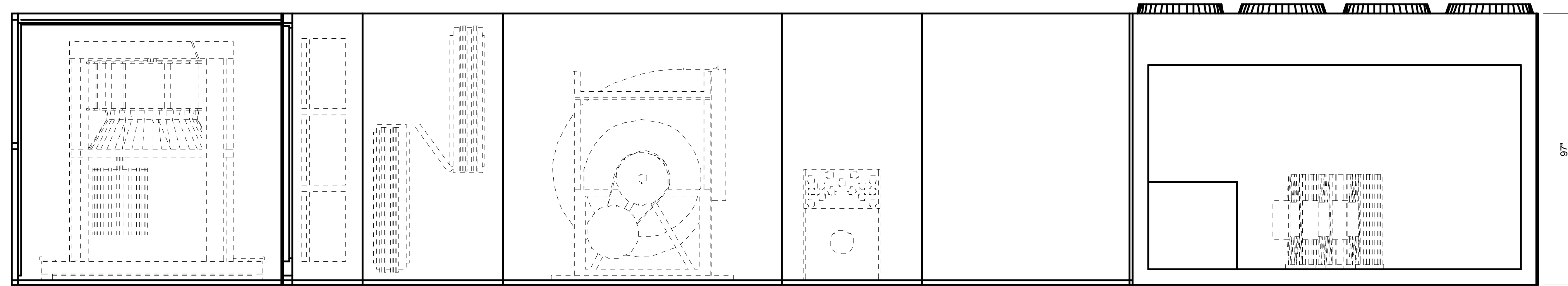
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600



PLAN VIEW

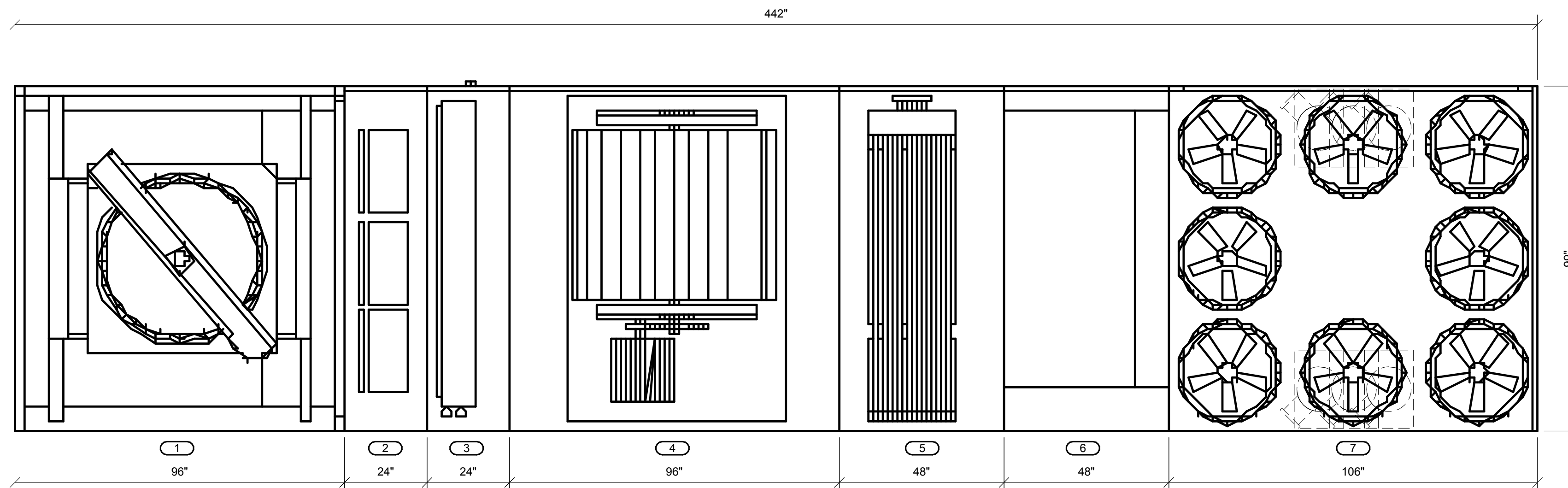


ELEVATION VIEW

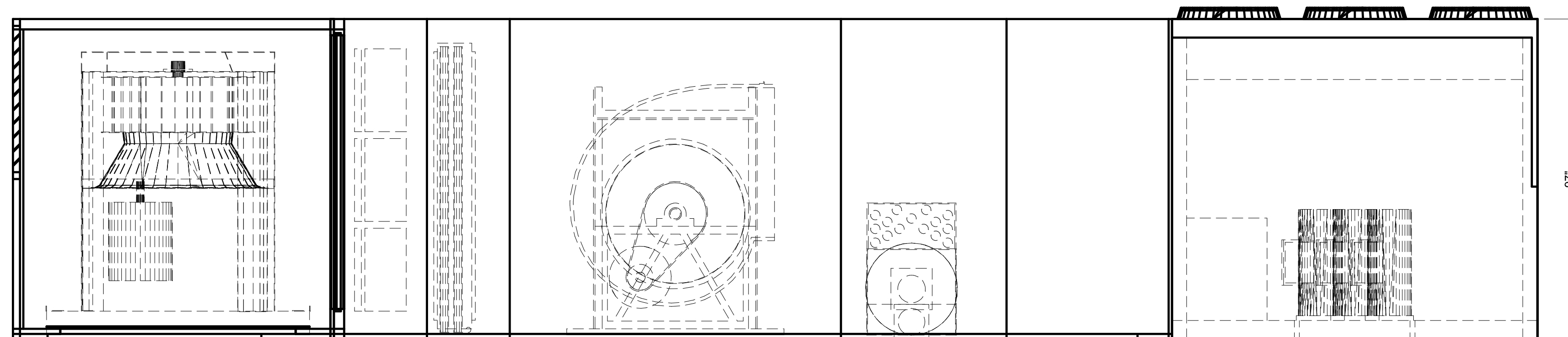
**1 RTU-1 SECTION DETAIL**

NO SCALE

- 1 ECONOMIZER RETURN FAN
- 2 CARTRIDGE FILTER
- 3 DX COIL
- 4 SUPPLY FAN
- 5 GAS HEAT
- 6 PLENUM DISCHARGE
- 7 CONDENSER



PLAN VIEW



ELEVATION VIEW

**2 RTU-2, RHU-3, & RHU-4 SECTION DETAIL**

NO SCALE

- 1 ECONOMIZER RETURN FAN
- 2 CARTRIDGE FILTER
- 3 DX COIL
- 4 SUPPLY FAN
- 5 GAS HEAT
- 6 PLENUM DISCHARGE
- 7 CONDENSER

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 THE FUTURE IS SMARTER!  
 PROJECT # 14-004-00  
 Illinois Design Firm Registration #18-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**RTU DETAILS**

SHEET NUMBER:  
**M3.01**

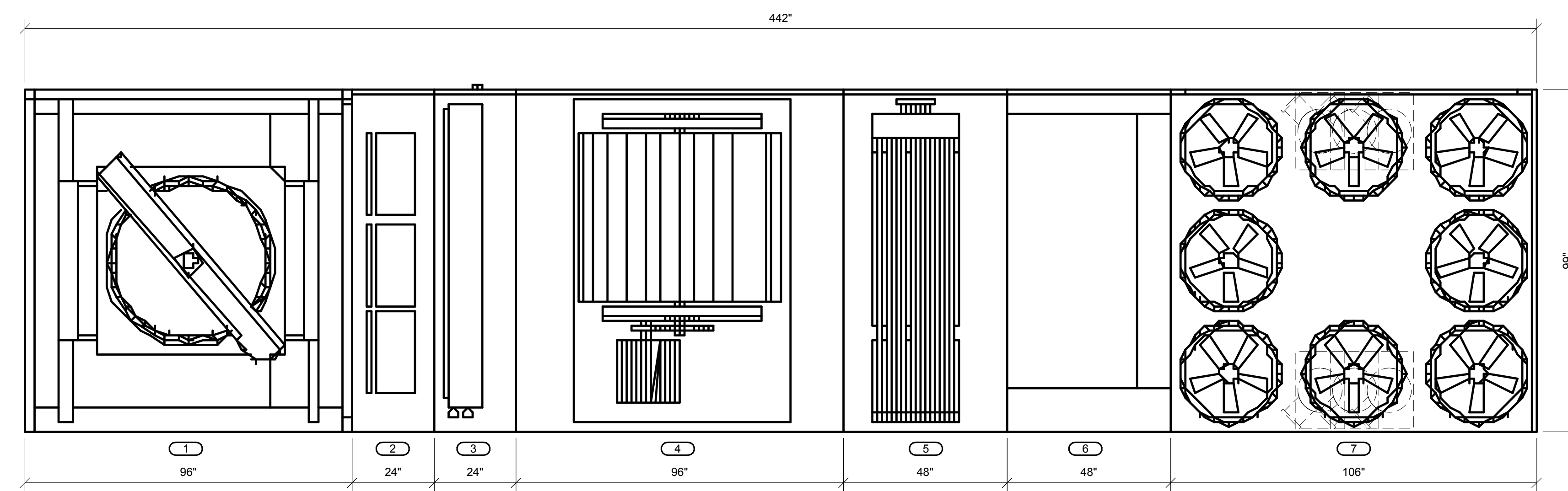




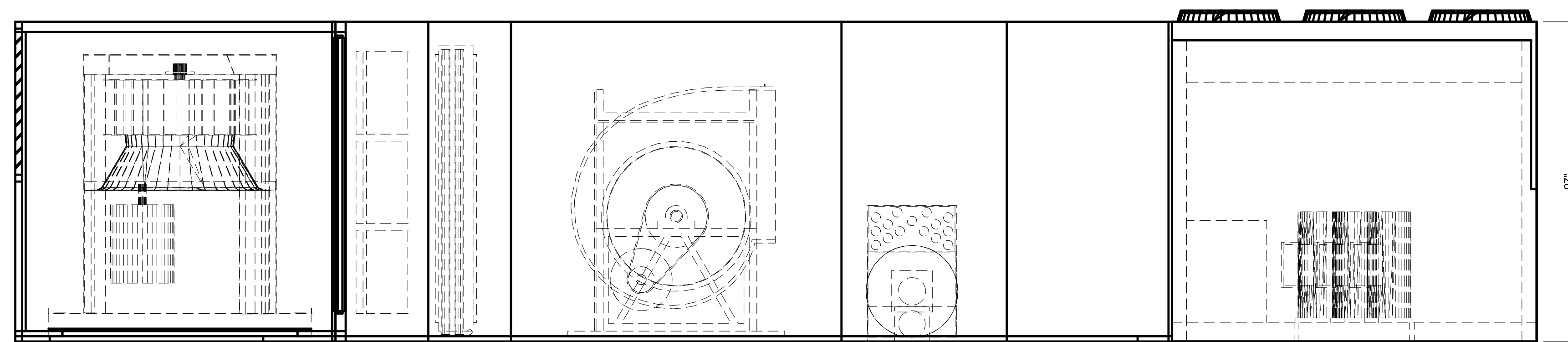
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEPFP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600



PLAN VIEW



ELEVATION VIEW

**1 RTU-5 SECTION DETAIL**

- NO SCALE
- 1 ECONOMIZER RETURN FAN
  - 2 CARTRIDGE FILTER
  - 3 DX COIL
  - 4 SUPPLY FAN
  - 5 GAS HEAT
  - 6 PLENUM DISCHARGE
  - 7 CONDENSER

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**RTU DETAILS**

SHEET NUMBER:

**M3.02**

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 THE FUTURE IS SMARTER!  
 PROJECT # 14-004-00

Illinois Design Firm Registration #18-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEIDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**MECHANICAL  
 DETAILS**

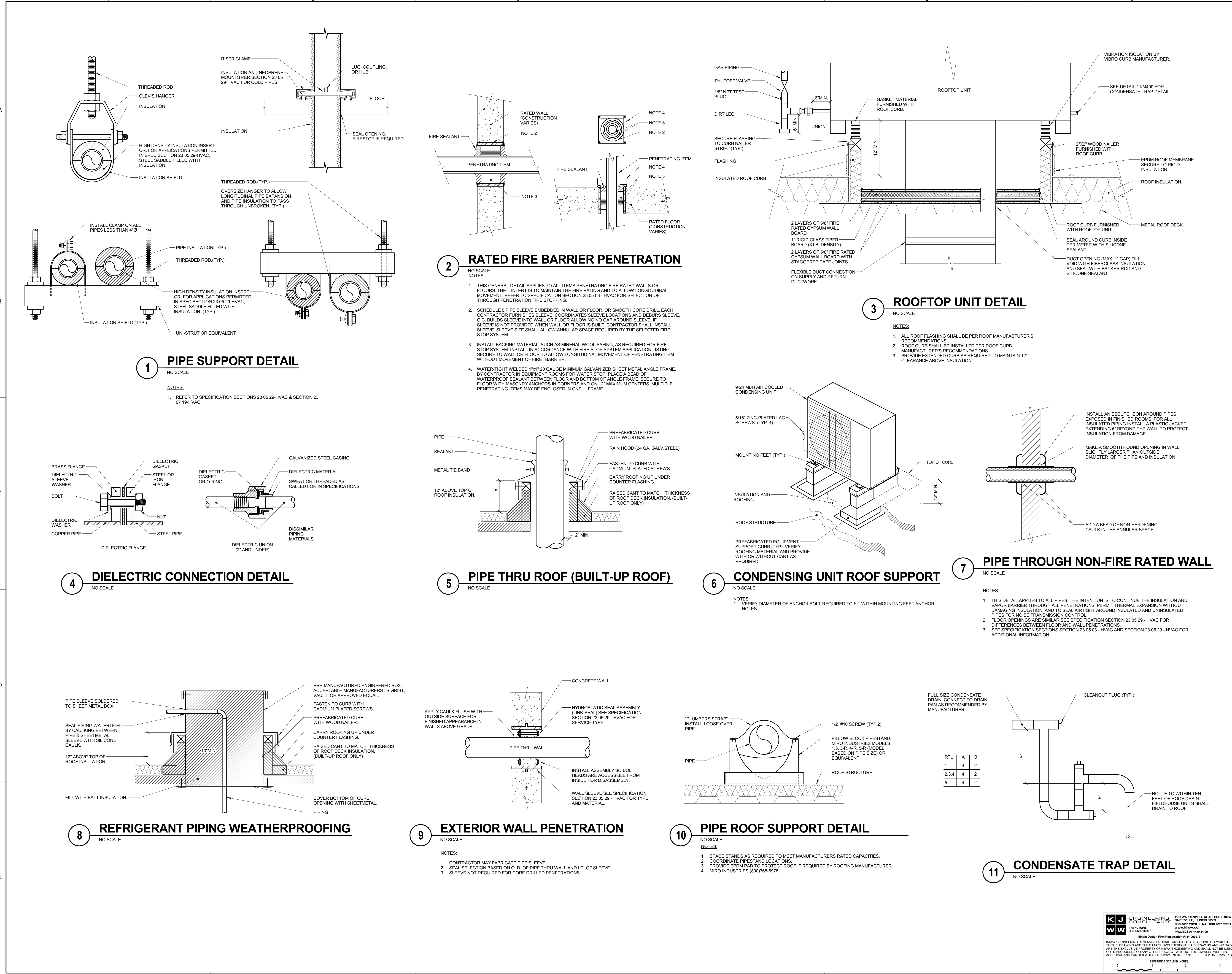
SHEET NUMBER:  
**M4.00**

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**THE REGISTERED PROFESSIONAL ENGINEER**  
 PROJECT # 14044-00  
 MECHANICAL DESIGN FIRM REGISTRATION # 08-00073

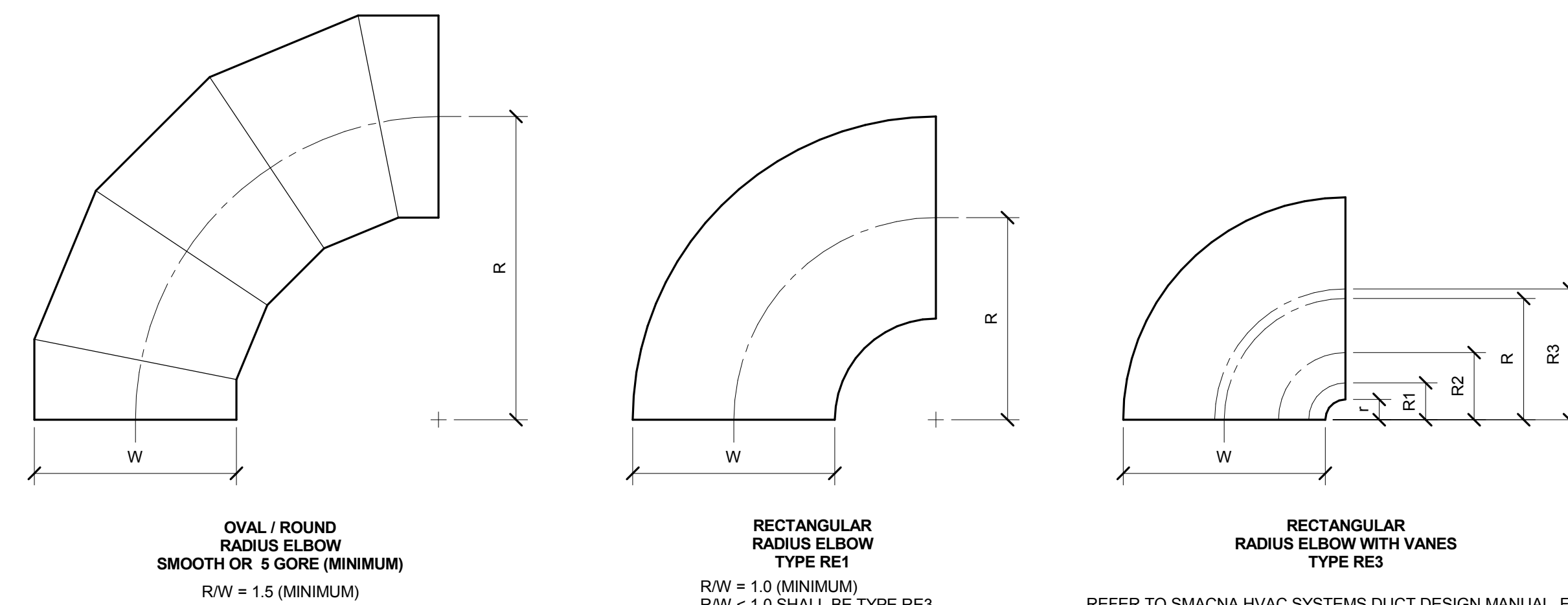
KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SUCH DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3

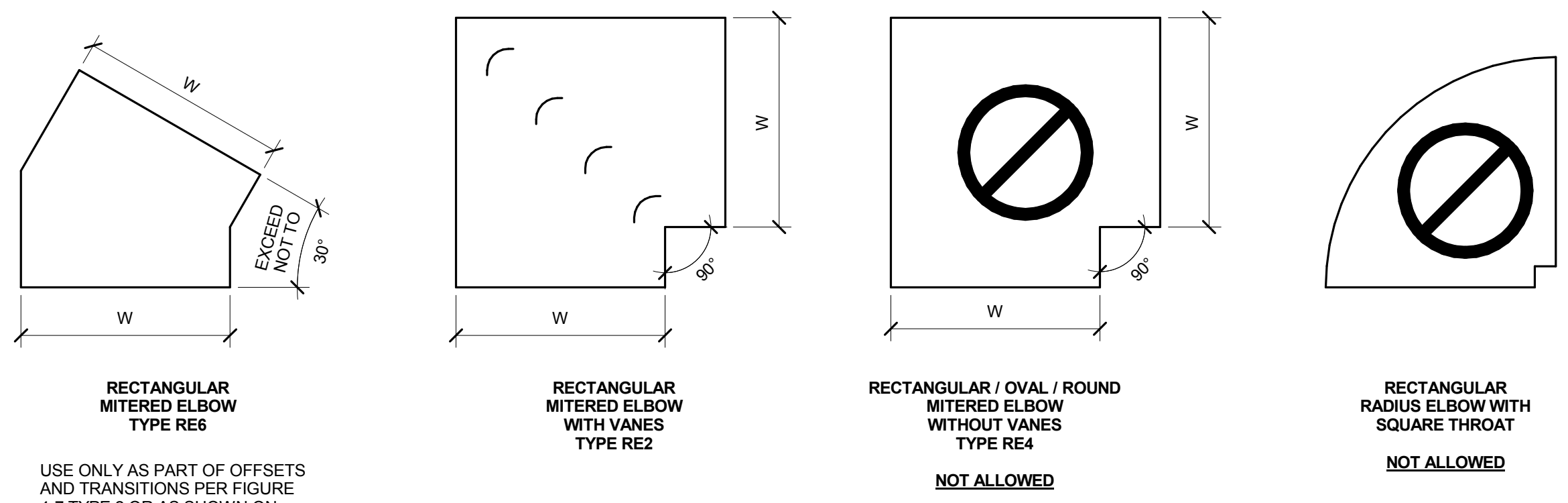




NO.	DESCRIPTION:	DATE:

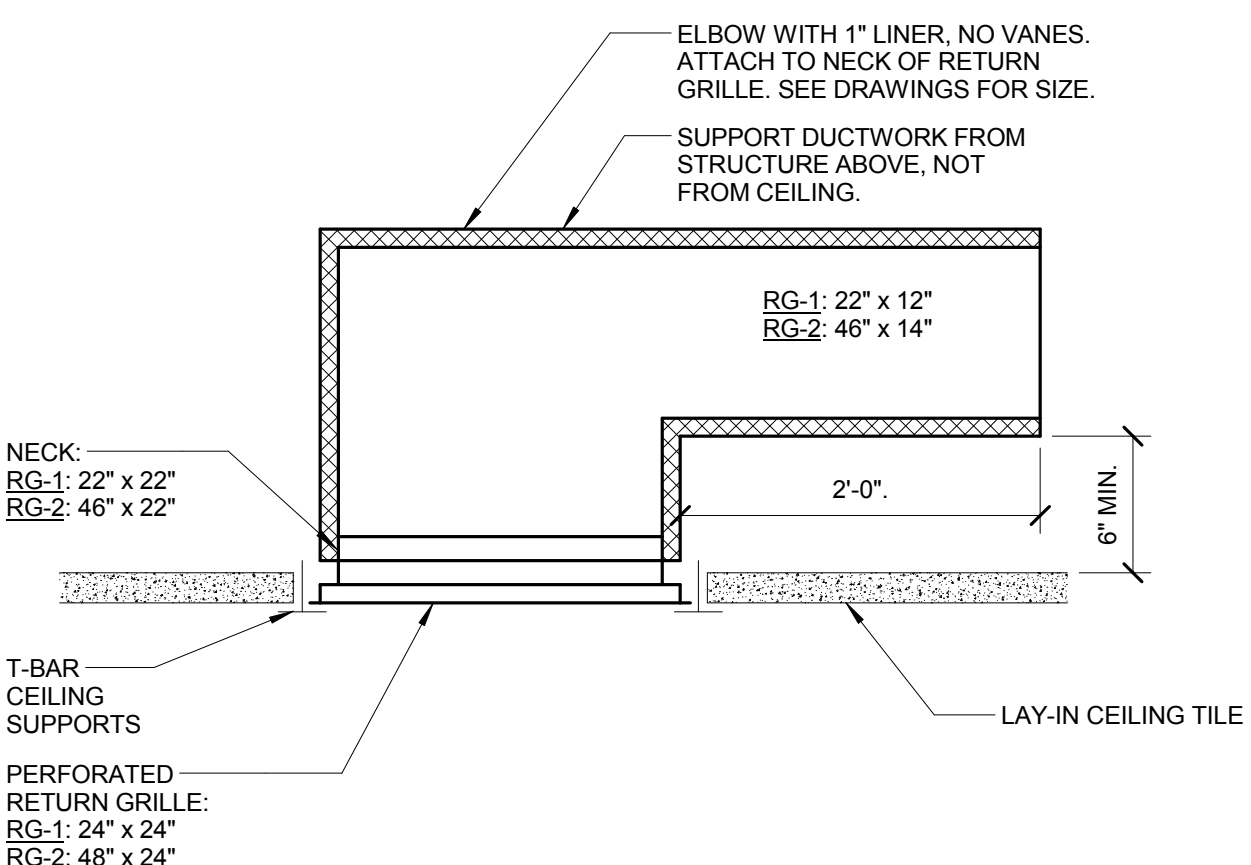


REFER TO SMACNA HVAC SYSTEMS DUCT DESIGN MANUAL, FOURTH EDITION, SECTION 5.14 "SPLITTER VANES" AND SMACNA HVAC DUCT CONSTRUCTION STANDARDS, THIRD EDITION, FIGURES 4-2 AND 4-9 AND CHARTS 4-1 AND 4-1M. ELBOW SHALL HAVE THREE SPLITTER VANES AND RW = 0.10 (RW = 0.60) UNLESS NOTED OTHERWISE.



**1 BRANCH CONNECTIONS**  
 NO SCALE

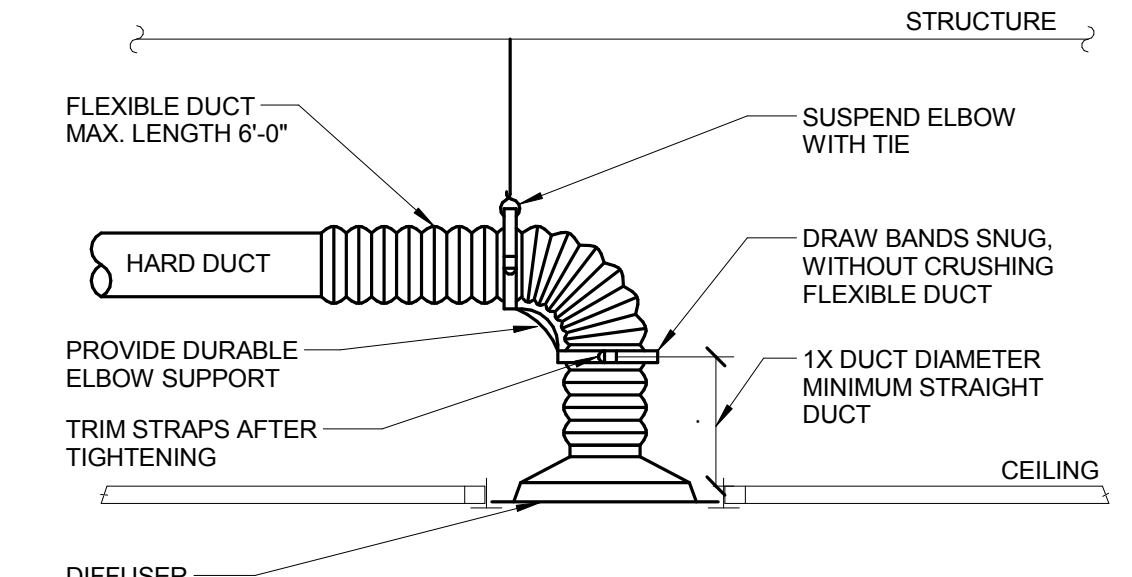
- NOTES:
- DO NOT USE CONNECTIONS WITH SCOOPS.
  - FIT ALL CONNECTIONS TO AVOID VISIBLE OPENINGS AND SECURE THEM SUITABLY FOR THE PRESSURE CLASS.
  - ADDITIONAL MECHANICAL FASTENERS ARE REQUIRED FOR 4\"/>



**4 CEILING RETURN GRILLE**  
 NO SCALE

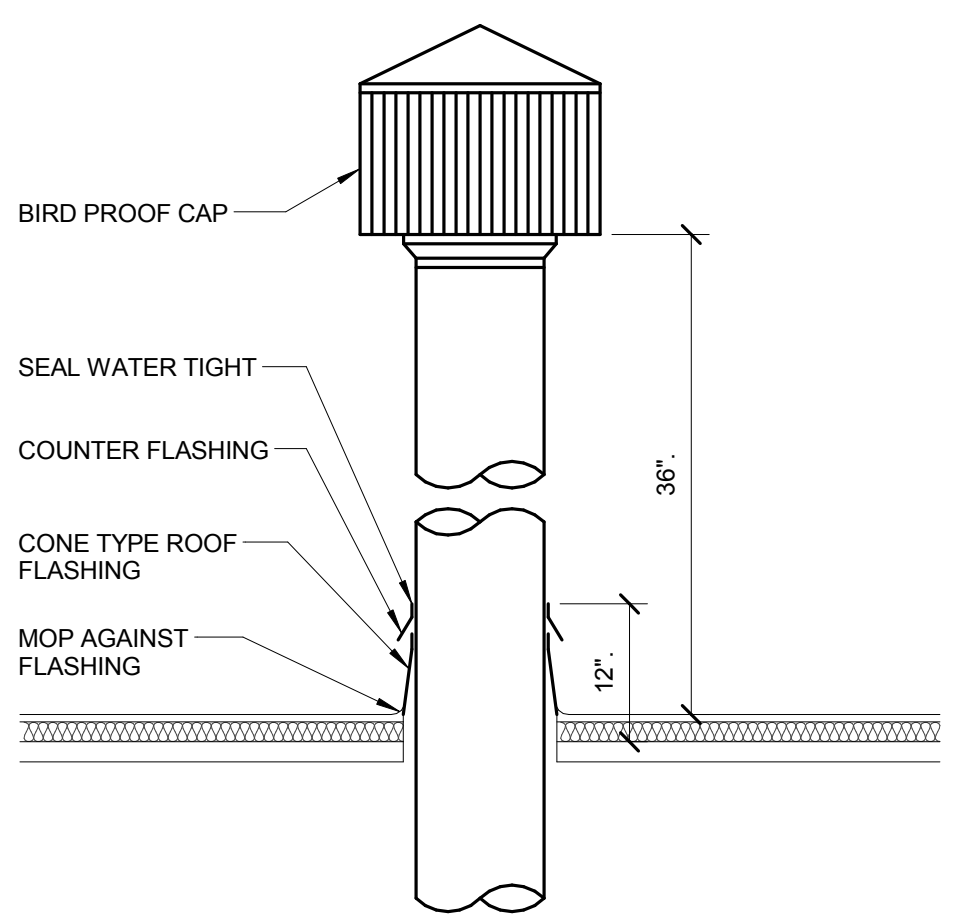
**2 ELBOW CONSTRUCTION**  
 NO SCALE

- NOTES:
- BEAD, CROSSBREAK, AND REINFORCE FLAT SURFACES AS IN STRAIGHT DUCT.
  - REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
  - DEFAULT ELBOW SHALL BE TYPE "RE1".
  - ELBOW TYPES SHALL BE INSTALLED AS SHOWN AND NOT BE SUBSTITUTED WITHOUT PERMISSION. EXCEPTION: RE1 OR RE3 MAY BE SUBSTITUTED FOR RE2.



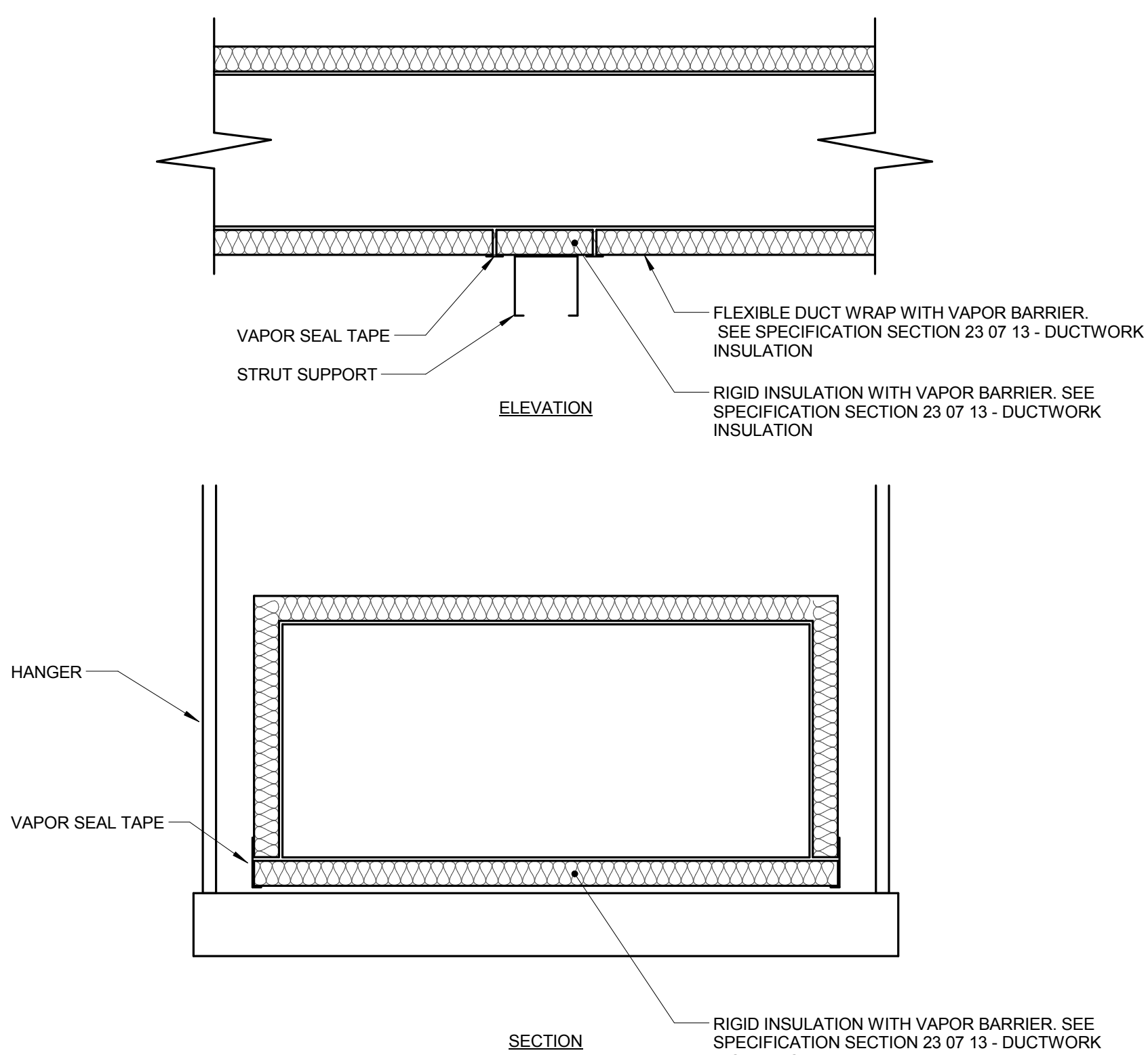
**5 DIFFUSER CONNECTION DETAIL (W/ RADIUS FORMING ELBOW)**  
 NO SCALE

- NOTES:
- TO ATTACH FLEX DUCT TO THE HARD DUCT, TAPE THE INNER LINER TO THE HARD DUCT THEN ATTACH WITH TWO NYLON TIE WRAPS, ONE FOR THE INNER LINER AND ONE FOR THE OUTER SHELL. FOLD THE OUTER SHELL INSIDE ITSELF SO IT HAS NEAT EDGES PRIOR TO THE WRAPPING.
  - "SMARTFLOW" ELBOW (WWW.HARTANDCOOLEY.COM), THERMAFLEX "FLEXFLOW" (WWW.THERMAFLEX.NET/FLEXFLOW), ELBOW (PIPTALD) AND "FLEXRIGHT" (WWW.TITUS-HVAC.COM) ARE ACCEPTABLE PRODUCTS FOR DURABLE ELBOW SUPPORT.

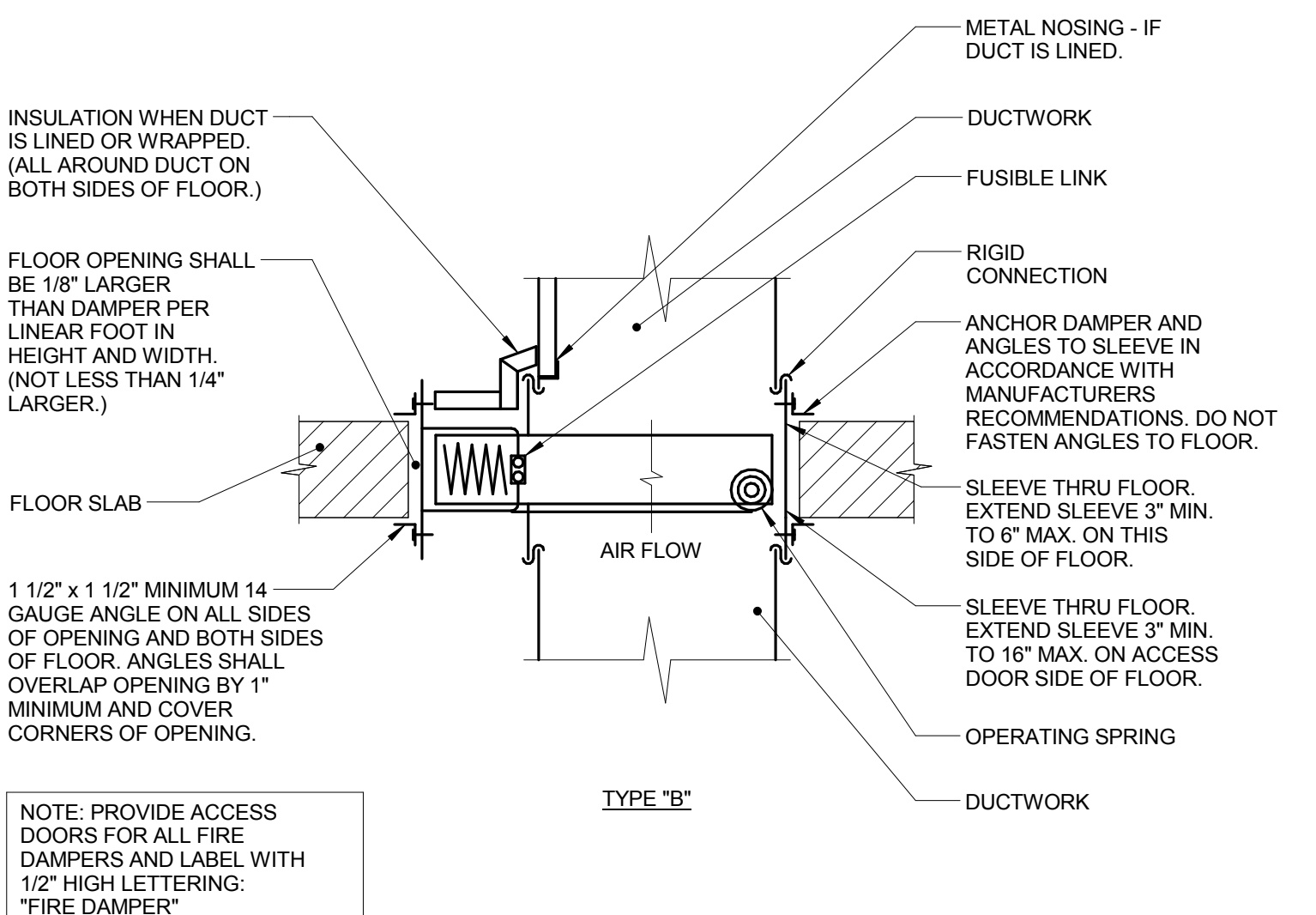
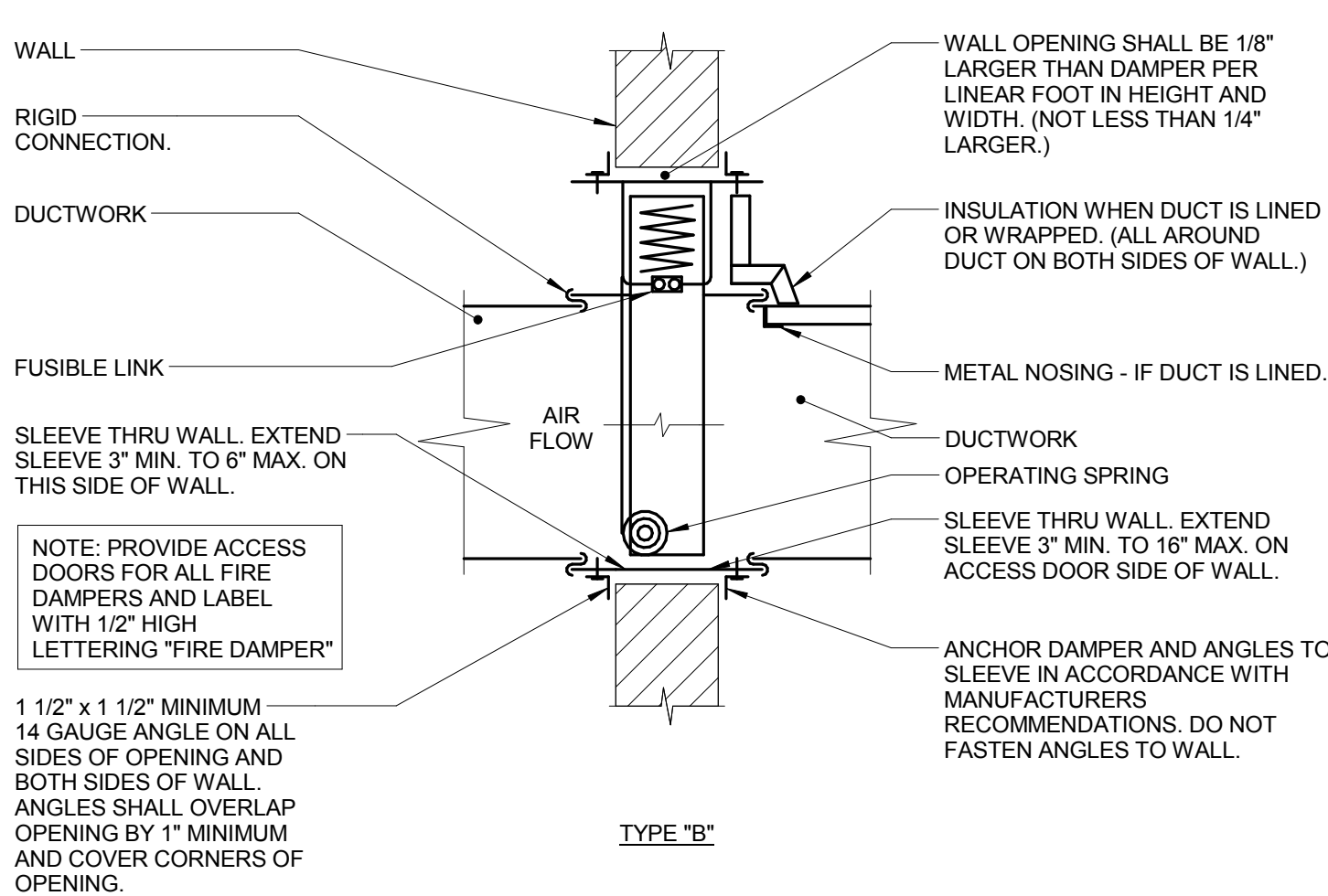


**8 GAS VENT**  
 NO SCALE

**3 TRAPEZE HANGER DUCT WRAP VAPOR SEAL**  
 NO SCALE

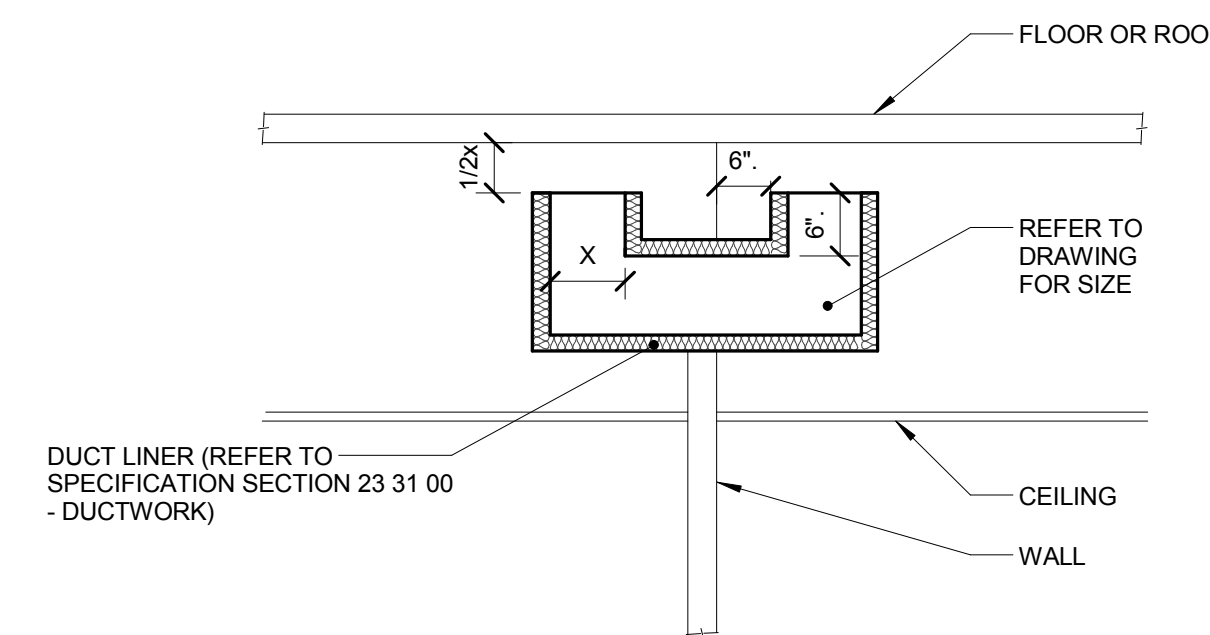


**6 FIRE DAMPER THRU WALL DETAIL (TYPE B)**  
 NO SCALE

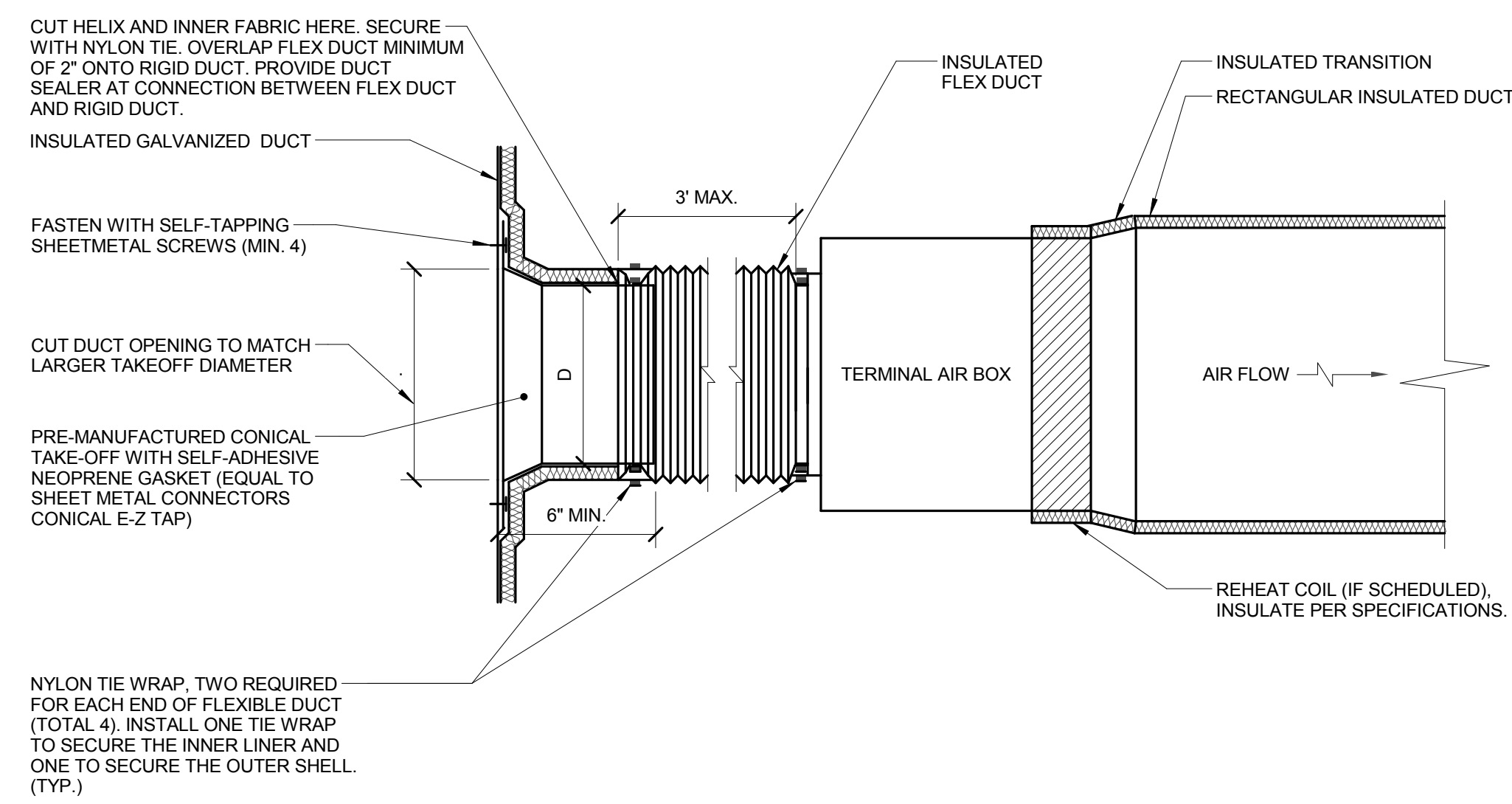


**7 FIRE DAMPER THRU FLOOR DETAIL (TYPE B)**  
 NO SCALE

**9 TRANSFER DUCT DETAIL (ENDS UP)**  
 NO SCALE

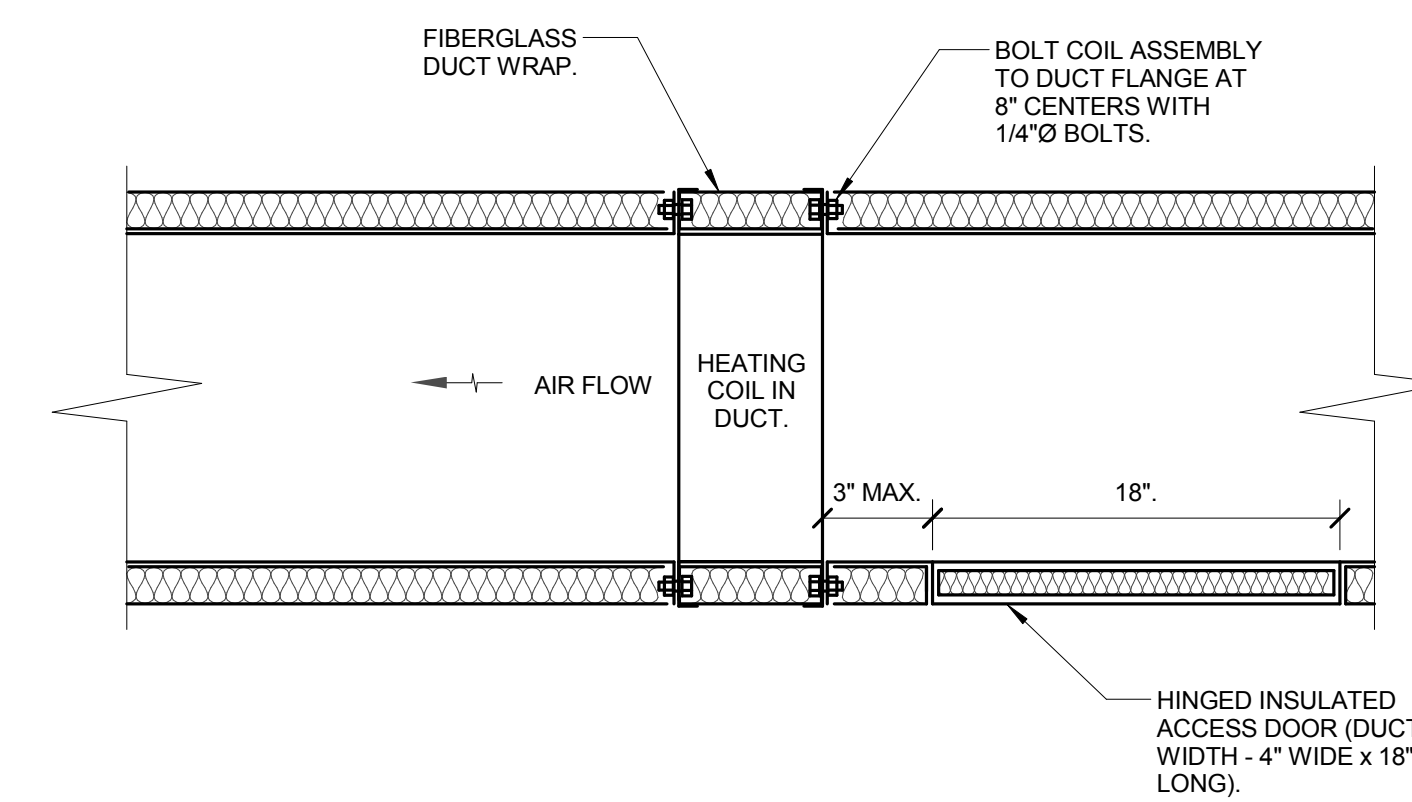


**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT #: 14064-00  
 © 2015 KJWW, P.C.



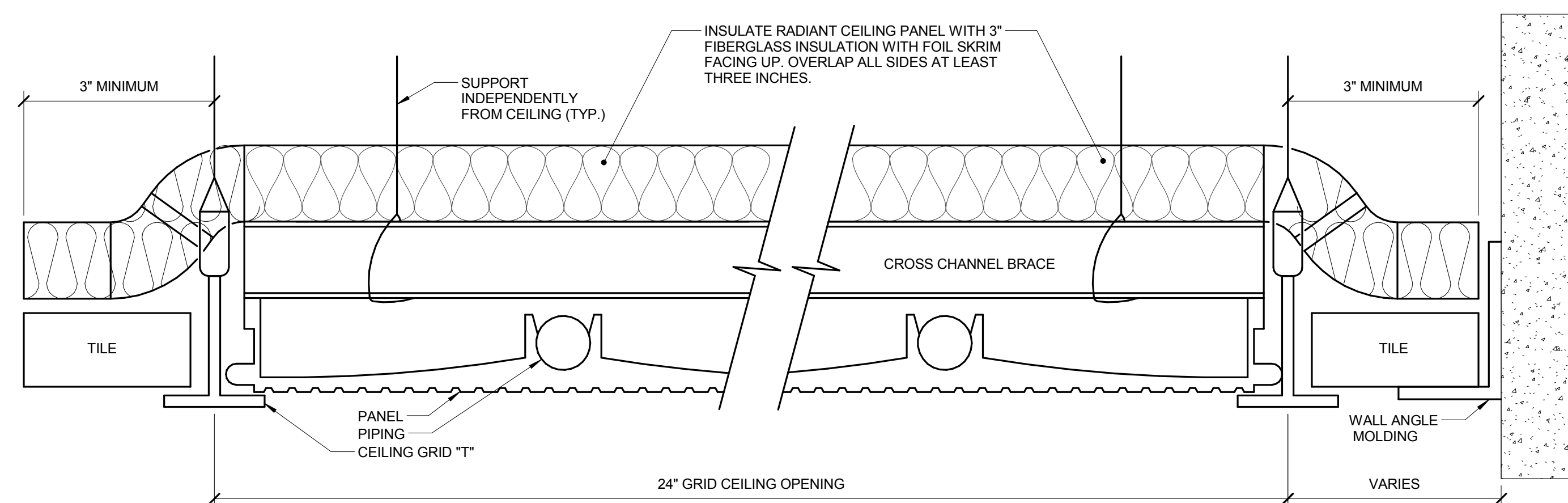
**1** **TERMINAL AIR BOX DETAIL**

- NO SCALE  
 NOTES:  
 1. THIS DETAIL APPLIES ONLY TO TAPS OFF WRAPPED DUCTS.  
 2. THIS DETAIL APPLIES TO TERMINAL AIR BOXES WITH ROUND INLETS AND RECTANGULAR OUTLETS.  
 3. DUCT LEADING TO TAB INLET MUST BE STRAIGHT FOR 1.5 DIAMETER UPSTREAM.  
 4. MAINTAIN VAPOR BARRIER FROM MAIN TO BRANCH DUCT.



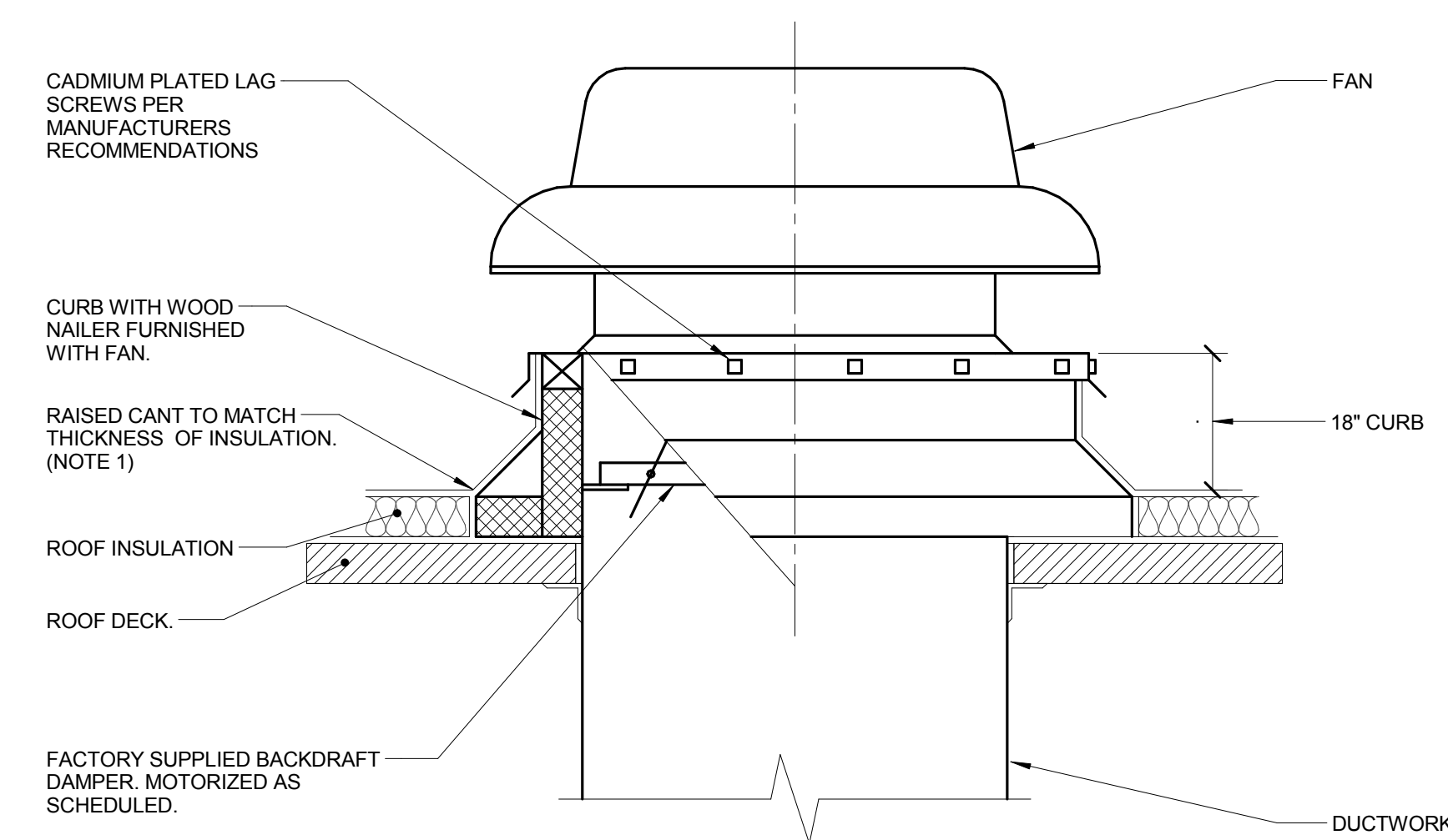
**2** **DUCT HEATING COIL DETAIL**

- NO SCALE  
 NOTES:  
 1. THIS DETAIL APPLIES TO ALL HEATING COILS INSTALLED IN DUCTS. ACCESS DOORS AND FLANGED CONNECTIONS MUST BE PROVIDED AT ALL COILS UNLESS SPECIFICALLY NOTED OTHERWISE.  
 2. PROVIDE FLANGED CONNECTION ON BOTH SIDES OF COILS. ACCESS DOORS ARE ONLY REQUIRED UPSTREAM OF COILS.  
 3. PROVIDE 48" STRAIGHT DUCT UPSTREAM AND 24" DOWNSTREAM OF HEATING COIL.



**3** **RADIANT CEILING PANEL DETAIL**

- NO SCALE  
 NOTES:  
 1. REFER TO SPECIFICATION SECTION 23 82 00 - TERMINAL HEAT TRANSFER UNITS.



**4** **ROOF MOUNTED FAN**

- NO SCALE  
 NOTES:  
 1. ALL ROOF FLASHING SHALL BE PER ROOFING MANUFACTURERS RECOMMENDATIONS.

NO.	DESCRIPTION:	DATE:



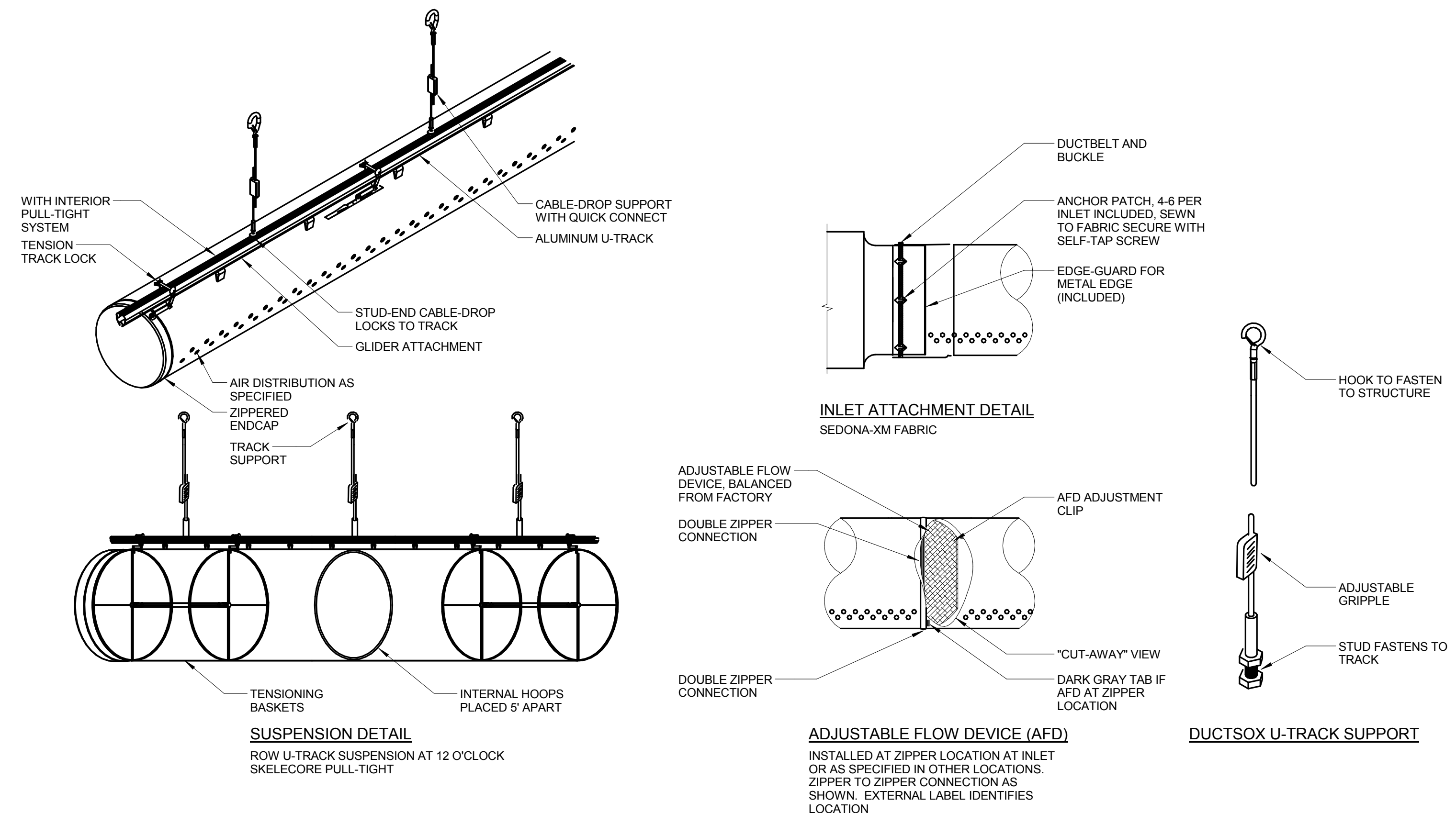
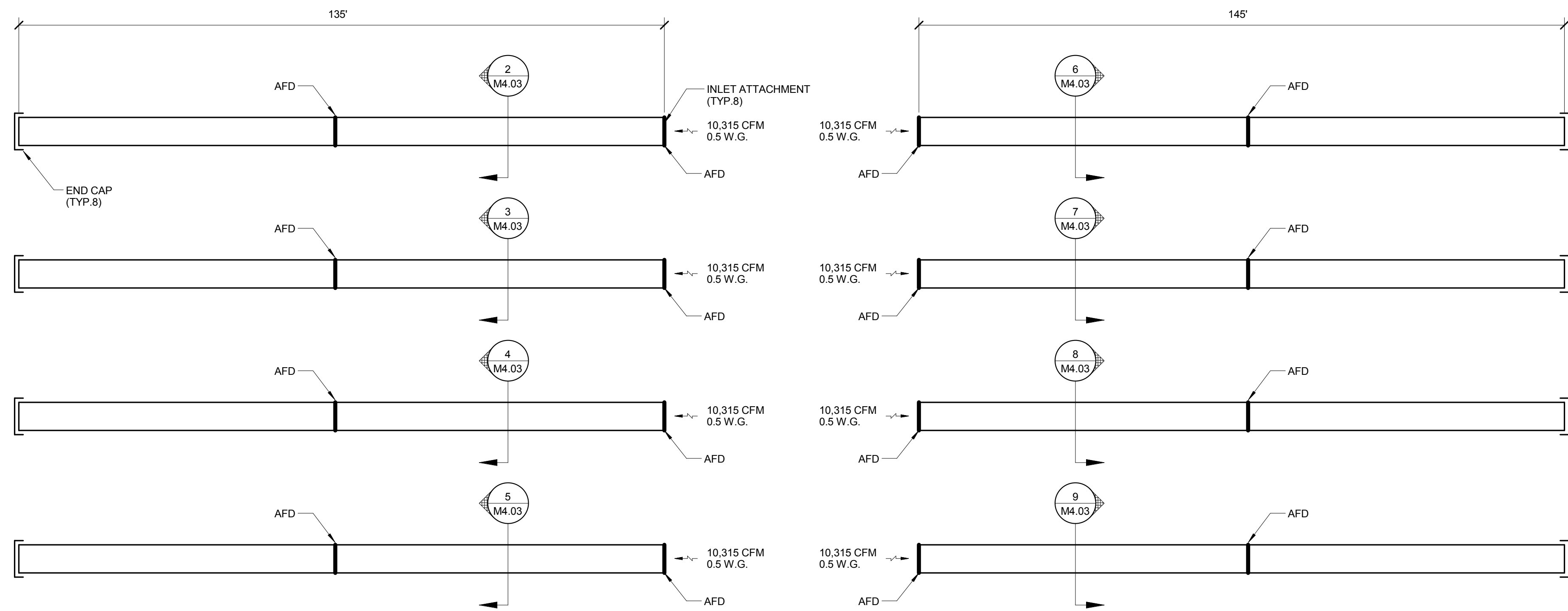


ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

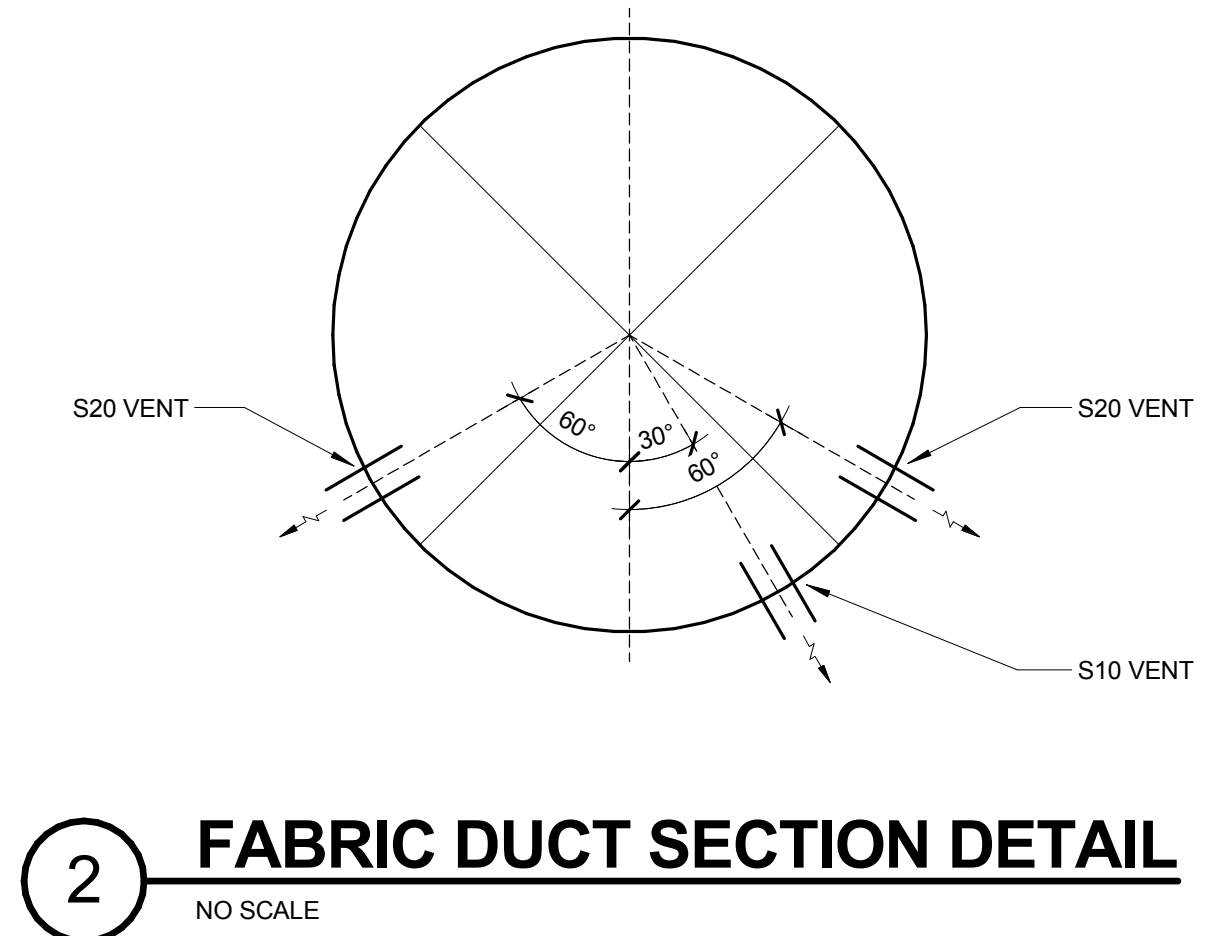
STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

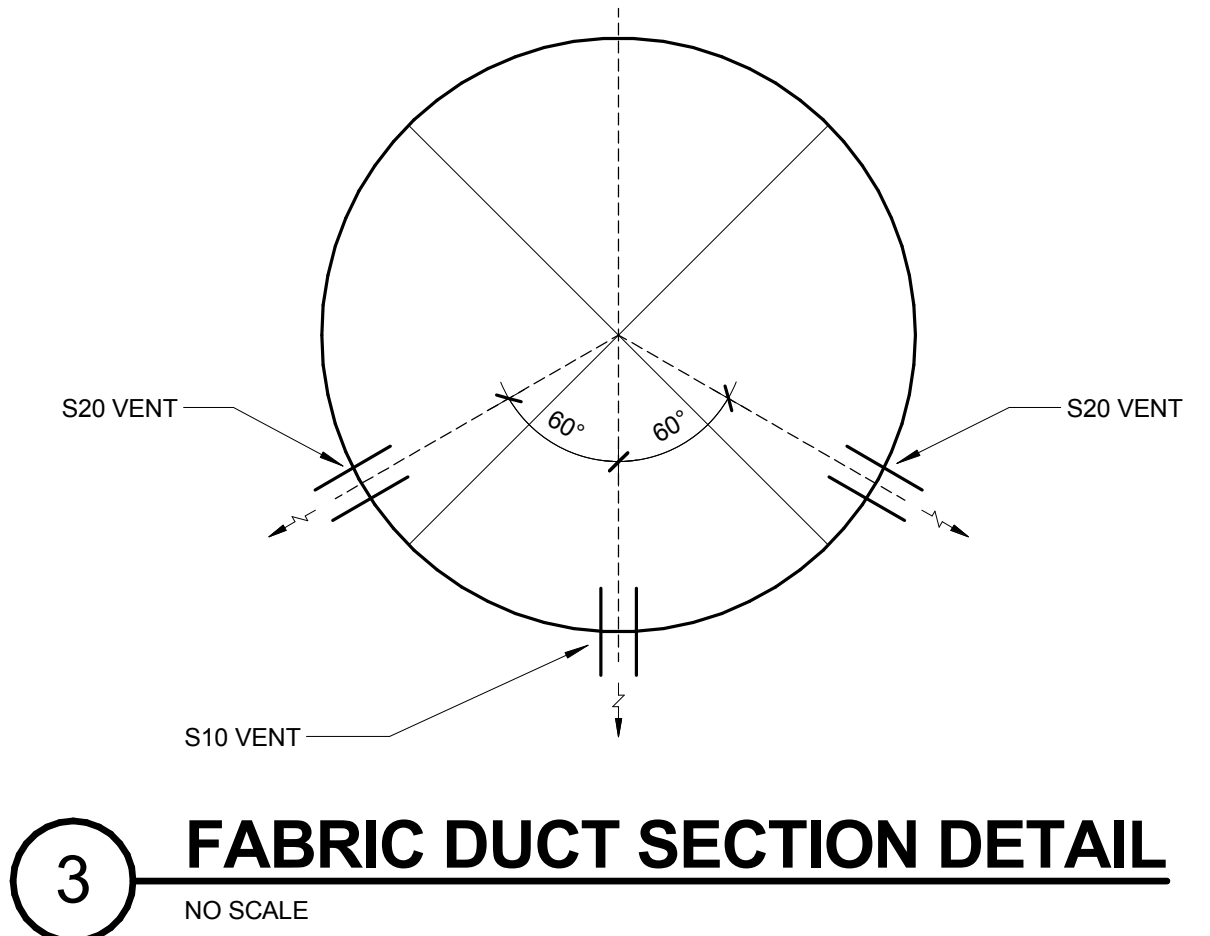
**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



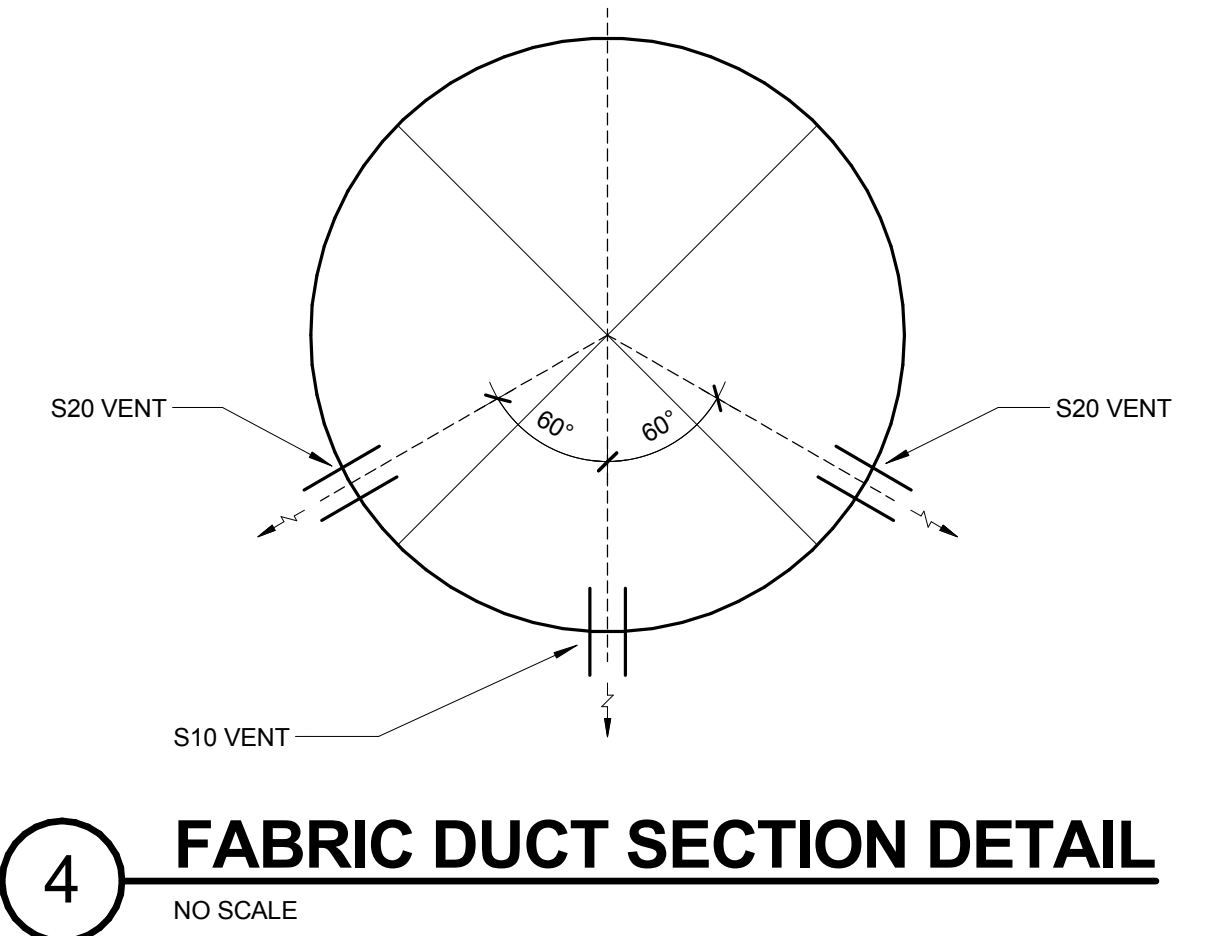
**1 FIELDHOUSE AREA FABRIC DUCT SECTION DETAIL**  
 NO SCALE



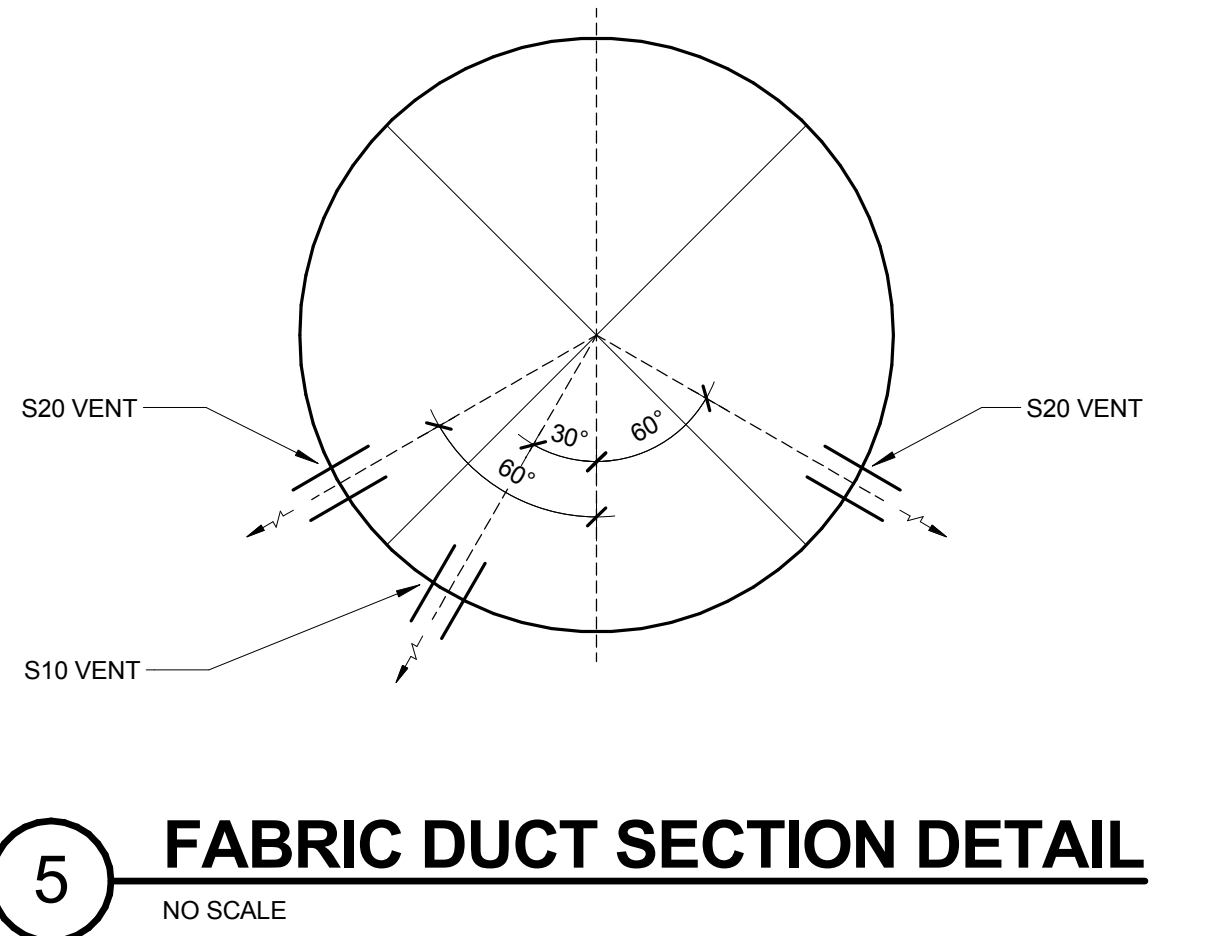
**2 FABRIC DUCT SECTION DETAIL**  
 NO SCALE  
 NOTES:  
 1. REFER TO FIELDHOUSE FABRIC DUCT AIR DISTRIBUTION SCHEDULE ON SHEET M0.00 FOR VENT SIZE PROPERTIES.



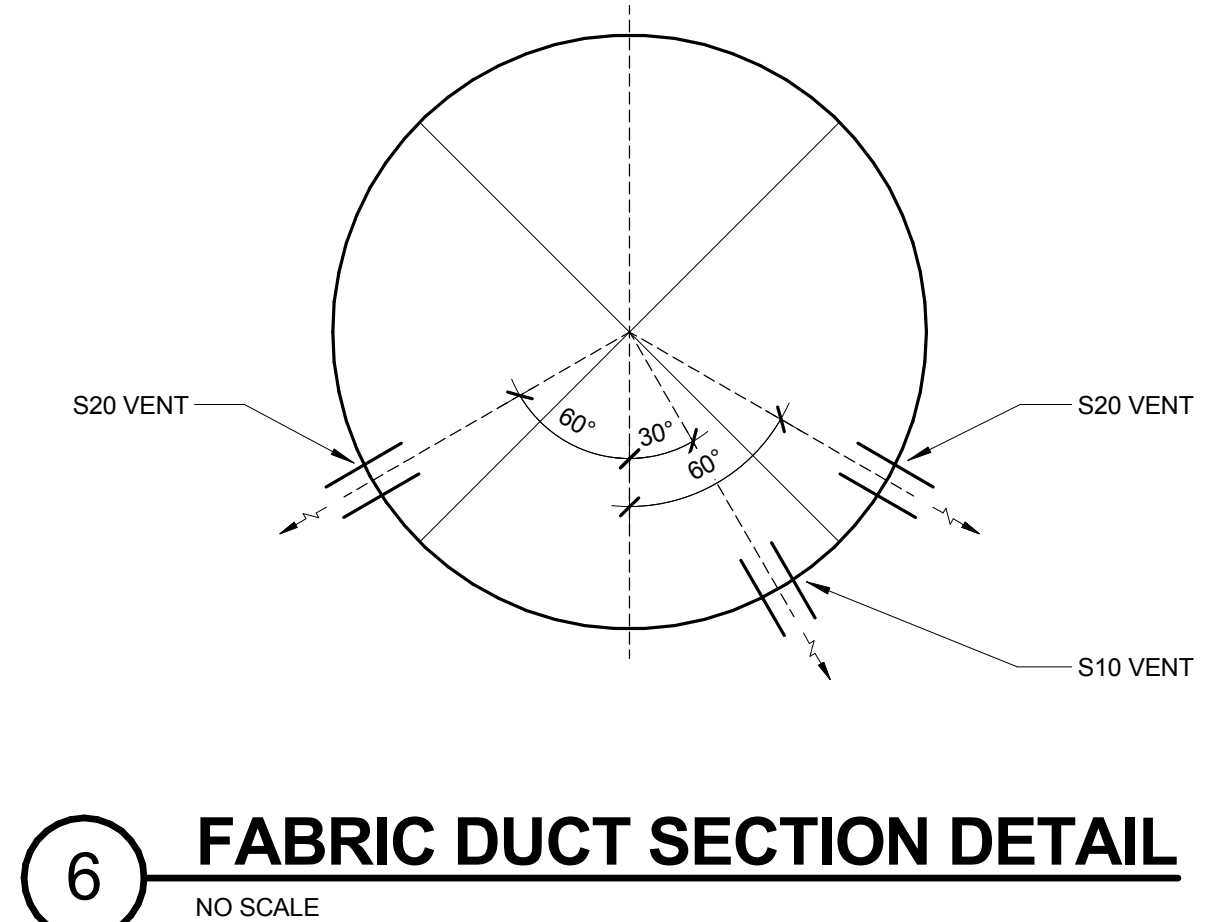
**3 FABRIC DUCT SECTION DETAIL**  
 NO SCALE  
 NOTES:  
 1. REFER TO FIELDHOUSE FABRIC DUCT AIR DISTRIBUTION SCHEDULE ON SHEET M0.00 FOR VENT SIZE PROPERTIES.



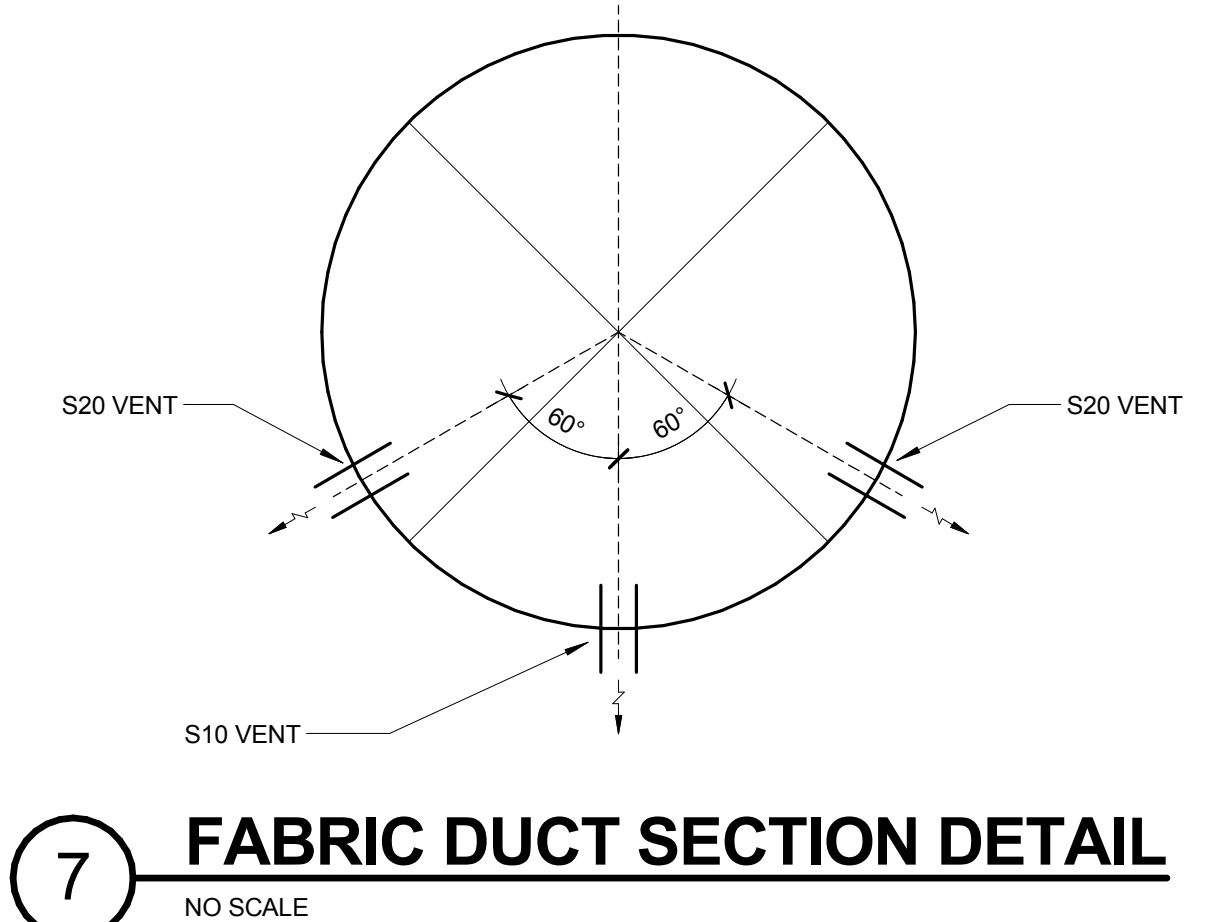
**4 FABRIC DUCT SECTION DETAIL**  
 NO SCALE  
 NOTES:  
 1. REFER TO FIELDHOUSE FABRIC DUCT AIR DISTRIBUTION SCHEDULE ON SHEET M0.00 FOR VENT SIZE PROPERTIES.



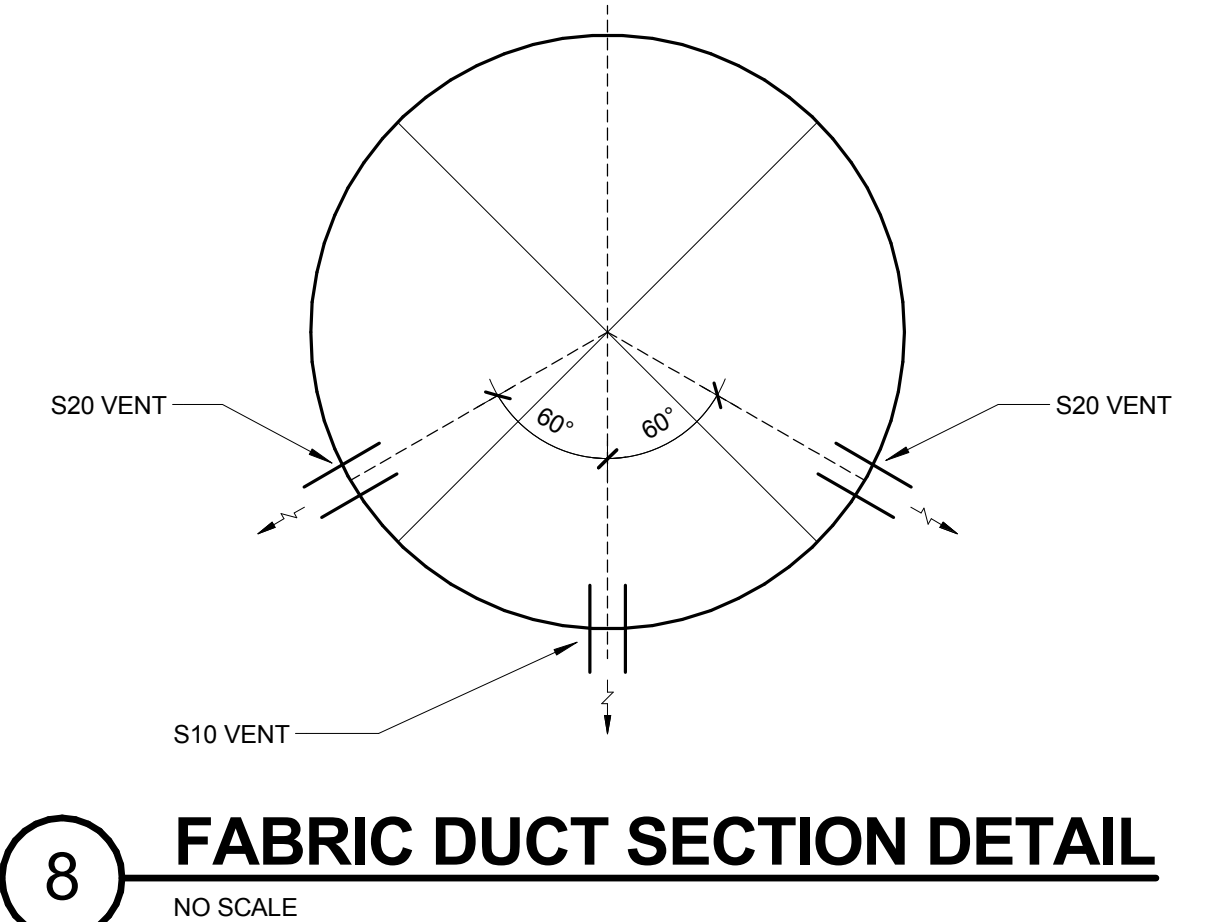
**5 FABRIC DUCT SECTION DETAIL**  
 NO SCALE  
 NOTES:  
 1. REFER TO FIELDHOUSE FABRIC DUCT AIR DISTRIBUTION SCHEDULE ON SHEET M0.00 FOR VENT SIZE PROPERTIES.



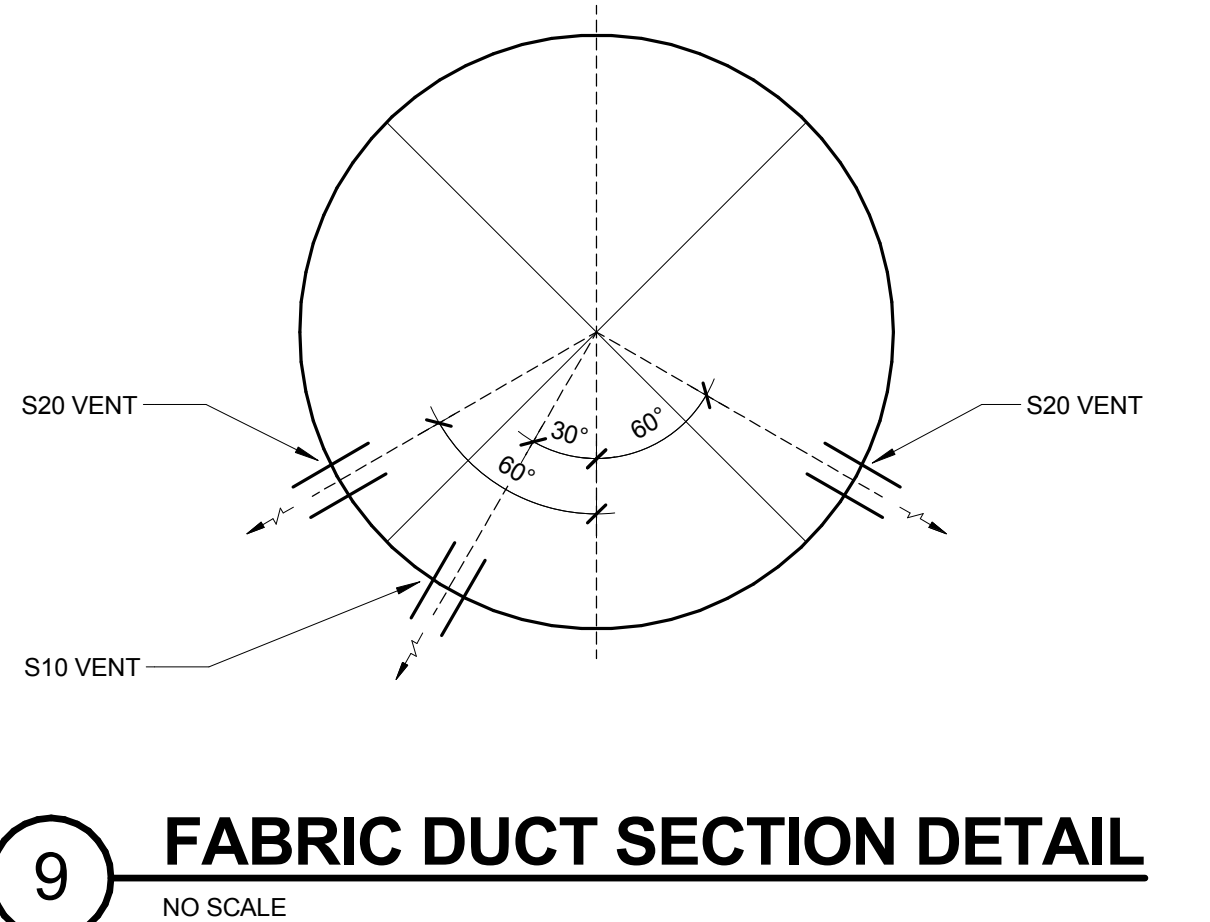
**6 FABRIC DUCT SECTION DETAIL**  
 NO SCALE  
 NOTES:  
 1. REFER TO FIELDHOUSE FABRIC DUCT AIR DISTRIBUTION SCHEDULE ON SHEET M0.00 FOR VENT SIZE PROPERTIES.



**7 FABRIC DUCT SECTION DETAIL**  
 NO SCALE  
 NOTES:  
 1. REFER TO FIELDHOUSE FABRIC DUCT AIR DISTRIBUTION SCHEDULE ON SHEET M0.00 FOR VENT SIZE PROPERTIES.



**8 FABRIC DUCT SECTION DETAIL**  
 NO SCALE  
 NOTES:  
 1. REFER TO FIELDHOUSE FABRIC DUCT AIR DISTRIBUTION SCHEDULE ON SHEET M0.00 FOR VENT SIZE PROPERTIES.



**9 FABRIC DUCT SECTION DETAIL**  
 NO SCALE  
 NOTES:  
 1. REFER TO FIELDHOUSE FABRIC DUCT AIR DISTRIBUTION SCHEDULE ON SHEET M0.00 FOR VENT SIZE PROPERTIES.

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT #: 14044.00  
 Design Firm Registration #18-00073

**KJWW ENGINEERING** RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3

KEY PLAN:

SHEET STATUS: 7/17/15  
**BID PACKAGE 2**  
**ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**MECHANICAL**  
**DETAILS**

SHEET NUMBER:  
**M4.03**



ARCHITECT OF RECORD  
**DEMIONA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

### COMPUTER ROOM UNIT SCHEDULE - DIRECT EXPANSION

SYMBOL	SERVICE	CFM	REFRIGERANT COOLING COIL				MBH	FILTERS		ELECTRICAL					MANUFACTURER	MODEL	REMARKS		
			REFRIGERANT	EAT	*FDB	*FWB		TOTAL	SENSIBLE	TYPE	HP	VOLT-PHASE	FLA	MCA				MOCF AMPS	DISCONNECT BY (NOTE A)
CRU-1	AV EQUIP. 1102B	800	R-410a	80	67	24,000	16,320	WASHABLE	1/6	208-1	2.1	2.6	30	EC	MFR	4/M7.03	MITSUBISHI	PEA	NOTES 1 & 2
CRU-2	I.T. RM. 1108C	400	R-410a	80	67	12,000	9,240	WASHABLE	1/6	208-1	1	1	15	EC	MFR	4/M7.03	MITSUBISHI	PEA	NOTES 1 & 2
CRU-3	ELEV. EQUIP. 2102	800	R-410a	80	67	24,000	16,320	WASHABLE	1/6	208-1	2.1	2.6	30	EC	MFR	4/M7.03	MITSUBISHI	PEA	NOTES 1 & 2
CRU-4	I.T. RM. 2103	800	R-410a	80	67	24,000	16,320	WASHABLE	1/6	208-1	2.1	2.6	30	EC	MFR	4/M7.03	MITSUBISHI	PEA	NOTES 1 & 2

- NOTES:  
 1. UNIT POWER IS PROVIDED BY ASSOCIATED CONDENSING UNIT.  
 2. UNIT SHALL BE PROVIDED WITH CONDENSING UNIT BY THE SAME MANUFACTURER.  
 3. UNIT IS PROVIDED WITH MANUFACTURERS THERMOSTAT TO CONTROL UNIT.

### FAN SCHEDULE

SYMBOL	SERVICE	CFM	S.P. IN. W.C.	FAN RPM (NOTE F)	DRIVE	MAX. AMCA SONES	BACKDRAFT DAMPER	CURB TYPE (NOTE G)	ELECTRICAL					MANUFACTURER	MODEL	REMARKS		
									BHP (NOTE E)	MHP (NOTE E)	VOLT-PHASE	DISCONNECT BY (NOTE A)	CONTROLLER/STARTER BY (NOTE A)				TYPE (NOTE C)	
EF-1	LOCKER & TOILET ROOMS	3,420	0.75	958	BELT	12.4	MOTORIZED	MFR	0.83	1.0	277-1	MFR	NF	ATC	3/M7.01	COOK	ACEB	
EF-2	LOCKER & TOILET ROOMS	3,420	0.75	958	BELT	12.4	MOTORIZED	MFR	0.83	1.0	277-1	MFR	NF	ATC	3/M7.01	COOK	ACEB	
EF-3	TOILET ROOMS	1,625	0.5	1,302	DIRECT	11.7	MOTORIZED	MFR	0.38	0.50	277-1	MFR	NF	ATC	3/M7.01	COOK	ACEB	
EF-4	LAUNDRY DRYER	1,200	1.0	1,600	DIRECT	-	-	-	0.40	0.50	120-1	EC	-	MFR	8/M7.00	ENERVEX	BESB-250	NOTES 1 & 2

- NOTES:  
 1. FAN AND CONTROLS BY A SINGLE MANUFACTURER.  
 2. BOX VENTILATOR WITH SWING OUT HOUSING FOR EASE LINT INSPECTION / CLEANING. FAN INCLUDES DISC AND VIBRATION ISOLATION.

### HOT WATER BOILER SCHEDULE

SYMBOL	NOMINAL BHP	FUEL	INLET FUEL PRESSURE	TURNDOWN RATIO	INPUT BTU/HR	OUTPUT BTU/HR	EWT °F	LWT °F	OPERATING PRESSURE	ELECTRICAL					MANUFACTURER	MODEL	REMARKS
										MCA	VOLT-PHASE	DISCONNECT BY (NOTE A)	CONTROLLER/STARTER BY (NOTE A)	TYPE			
BLR-1	41.9	NATURAL GAS	4"-26" W.C.	1:10	1,500,000	1,305,000	180	150	150 PSIG	25	120-1	EC	MFR	FULTON	EDR-1500		
BLR-2	41.9	NATURAL GAS	4"-26" W.C.	1:10	1,500,000	1,305,000	180	150	150 PSIG	25	120-1	EC	MFR	FULTON	EDR-1500		
BLR-3	41.9	NATURAL GAS	4"-26" W.C.	1:10	1,500,000	1,305,000	180	150	150 PSIG	25	120-1	EC	MFR	FULTON	EDR-1500		

- NOTES:  
 1.

### UNIT HEATER SCHEDULE - HOT WATER

SYMBOL	SERVICE	TYPE	CFM	MBH	GPM	EWT °F	LWT °F	W.P.D. FT. HEAD	HP	RPM	VOLT-PHASE	DISCONNECT		CONTROLLER/STARTER		CONTROL	MANUFACTURER	MODEL	REMARKS
												BY (NOTE A)	TYPE (NOTE B)	BY (NOTE A)	TYPE (NOTE C)				
UH-1	STORAGE 1014	HORIZONTAL	370	16.2	1.1	180	150	0.8	1/25	1,550	120-1	EC	-	MFR	3/M700	-	MODINE	WTC	
UH-2	MECH. 1119	HORIZONTAL	370	16.2	1.1	180	150	0.8	1/25	1,550	120-1	EC	-	MFR	3/M700	-	MODINE	WTC	

- NOTES:  
 1.

### PUMP SCHEDULE

SYMBOL	GPM	PUMP FT. HEAD AT DESIGN	MINIMUM PUMP EFFICIENCY	SUCTION / IMPELLER CUT DIA. IN.	MIN / MAX IMPELLER DIA. IN.	HP (NOTE E)	RPM	VOLT-PHASE	ELECTRICAL		MANUFACTURER	MODEL	REMARKS
									DISCONNECT BY (NOTE A)	CONTROLLER/STARTER BY (NOTE A)			
P-1	278.5	95	73.0	3" / 5.375"	5" / 7"	15.0	3,525	460-3	EC	VFD	BELL & GOSSET	e80 3x3x7B	NOTES 1
P-2	278.5	95	73.0	3" / 5.375"	5" / 7"	15.0	3,525	460-3	EC	VFD	BELL & GOSSET	e80 3x3x7B	NOTES 1
P-3	5.0	25	-	-	-	1/12	-	120-1	EC	-	MFR	3-ABS	NOTES 1

- NOTES:  
 1. PROVIDE SHAFT GROUNDING AS REQUIRED IN THE MOTOR SPECIFICATION 23 05 13.

### RADIANT CEILING PANEL

SYMBOL	SERVICE	MBH	GPM	LENGTH FT.	WIDTH FT.	NO. OF TUBES	BTU/HFT	AVERAGE WATER TEMP. °F	CONTROL TYPE	MANUFACTURER	MODEL	REMARKS
RCP-1	WOMEN'S TOILET 1111	5.8	0.5	16'-0"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-2	WOMEN'S TOILET 1111	1.4	0.5	3'-10"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-3	WOMEN'S TOILET 1111	2.4	0.5	6'-6"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-4	MEN'S TOILET 1111	3.1	0.5	8'-6"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-5	VISITOR'S LOCKER ROOM - MENS 1003	4.6	0.5	12'-8"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-6	VISITOR'S LOCKER ROOM - WOMENS 1004	4.7	0.5	13'-0"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-7	TRAINING 1005	3.3	0.5	9'-2"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-8	TRAINING 1005	3.3	0.5	9'-2"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-9	OFFICE 1007	3.9	0.5	10'-8"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-10	WOMEN'S LOCKER ROOM 1011	3.9	0.5	10'-8"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-11	WOMEN'S LOCKER ROOM 1011	4.3	0.5	11'-10"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-12	MEN'S LOCKER ROOM 1013	4.3	0.5	11'-10"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-13	MEN'S LOCKER ROOM 1013	2.8	0.5	7'-8"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-14	MEN'S LOCKER ROOM 1013	5.8	0.5	16'-0"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-15	MEN'S LOCKER ROOM 1013	5.8	0.5	16'-0"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-16	MEN'S LOCKER ROOM 1013	5.8	0.5	16'-0"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-17	MEN'S LOCKER ROOM 1013	2.1	0.5	5'-8"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-18	MEN'S TOILET 1103	3.8	0.5	10'-7"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-19	WOMEN'S TOILET 1104	4.3	0.5	11'-11"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-20	WOMEN'S TOILET 1104	5.8	0.5	16'-0"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-21	WOMEN'S TOILET 1104	5.8	0.5	16'-0"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-22	WOMEN'S TOILET 1104	1.6	0.5	4'-6"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-23	TUTORING 2004	5.8	0.5	16'-0"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-24	TUTORING 2004	5.3	0.5	14'-9"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-25	OFFICE 2005	3.0	0.5	8'-4"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-26	RECEPTION 2007	3.0	0.5	8'-4"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-27	RECEPTION 2007	3.0	0.5	8'-4"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-28	A.D. OFFICE 2008	4.5	0.5	12'-6"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-29	A.D. OFFICE 2008	3.8	0.5	10'-5"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-30	WOMEN'S SPORT OFFICE 2009	3.7	0.5	10'-2"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-31	CONFERENCE ROOM 2010	3.0	0.5	8'-6"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-32	CONFERENCE ROOM 2010	3.0	0.5	8'-4"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-33	OFFICE 2011	3.0	0.5	8'-3"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-34	OFFICE 2012	3.0	0.5	8'-4"	2'	4	364	165	2/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-35	OFFICE 2013	3.0	0.5	8'-3"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-36	OFFICE 2014	3.0	0.5	8'-3"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-37	OFFICE 2015	3.0	0.5	8'-4"	2'	4	364	165	2/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-38	OFFICE 2016	3.0	0.5	8'-4"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-39	OFFICE 2017	3.0	0.5	8'-3"	2'	4	364	165	2/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-40	OFFICE 2018	3.0	0.5	8'-3"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-41	OFFICE 2019	3.0	0.5	8'-4"	2'	4	364	165	2/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-42	OFFICE 2020	3.0	0.5	8'-3"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-43	OFFICE 2021	3.0	0.5	8'-2"	2'	4	364	165	2/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-44	MEN'S TOILET 2104	3.5	0.5	9'-7"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1
RCP-45	WOMEN'S TOILET 2101	3.5	0.5	9'-7"	2'	4	364	165	5/M7.01	AIR-TITE	AR-X	NOTE 1

- NOTES:  
 1. SEE SPECIFICATION SECTION 23 09 00 FOR DESCRIPTION OF CONTROL TYPE/SENSOR.  
 2. CONTRACTOR SHALL VERIFY AND FIELD MEASURE RADIATION TO PROVIDE WALL TO WALL RADIATION AND ACCOUNT FOR MOUNTING REQUIREMENTS.

### SCHEDULE GENERAL NOTES:

- A. DISCONNECT AND CONTROLLER STARTER FURNISHED AND INSTALLED BY:  
 MFR = MANUFACTURER  
 EC = ELECTRICAL CONTRACTOR  
 MC = FURNISHED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR  
 MFR/EC = FURNISHED LOOSE BY MANUFACTURER INSTALLED BY ELECTRICAL CONTRACTOR  
 ATC = AUTOMATIC TEMPERATURE CONTROL CONTRACTOR
- B. DISCONNECT TYPE:  
 F = FUSED  
 NF = NON-FUSED
- C. CONTROLLER STARTER TYPE:  
 FV = FULL VOLTAGE  
 WYE = WYE-DELTA  
 SS = SOLID STATE (SOFT START)  
 MS = MANUAL STARTER  
 VFD = VARIABLE FREQUENCY DRIVE WITH BYPASS
- D. FAN RPM SHALL NOT EXCEED 110% OF SCHEDULED VALUE. WITH THE SCHEDULED WHEEL TYPE. SUBSTITUTION OF BI OR BIA FANS FOR FC IS ACCEPTABLE IF EFFICIENCY IS NOT LOWER.
- E. NO EQUIPMENT SHALL BE SELECTED ABOVE 90% OF MOTOR NAME PLATE RATING.
- F. MUST BE WITHIN +/- 10% OF SCHEDULED RPM.
- G. CURB TYPE:  
 MFR = STANDARD CURB BY MANUFACTURER  
 GC = BY GENERAL CONTRACTOR  
 SAC = SOUND ATTENUATOR CURB

### MECHANICAL MATERIAL LIST

THE SYMBOLS AND THE MATERIAL LIST ARE FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL VERIFY QUANTITIES AND FURNISH ALL MATERIALS REQUIRED FOR FULLY OPERATIONAL SYSTEMS, WHETHER SPECIFIED OR NOT.

CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE, BUT ARE GIVEN AS AN AID TO THE CONTRACTOR AND TO INDICATE THE QUALITY REQUIRED. CONTRACTOR IS RESPONSIBLE FOR COMPLETE DESCRIPTION OF MATERIAL ON THESE DRAWINGS AND IN THE SPECIFICATIONS BEFORE ORDERING. THE DESCRIPTION OF THE MATERIAL TAKES PRECEDENCE OVER THE CATALOG NUMBER. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN.

GR-1  
 GAS PRESSURE REGULATOR - CAST IRON BODY. INTERNAL PRESSURE RELIEF. THREADED CONNECTIONS. ADJUSTABLE PRESSURE SETTING. TIGHT SHUTOFF.  
 2.5 PSI INLET PRESSURE, 14" W C OUTLET PRESSURE, 11,000 CFH CAPACITY, MINIMUM CONTROLLABLE FLOW OF 150 CFM.  
 ACCEPTABLE MANUFACTURERS: FISHER (5200 SERIES) OR ITRON, SENSUS, MAXITROL EQUIVALENT

WM-1  
 WATER METER - COMPOUND TYPE, ALL BRONZE CONSTRUCTION, 1" SIZE, TOP READING CUMULATIVE DIAL WITH FACE PLATE CAP, BUILDING AUTOMATION SYSTEM CONNECTION, AWWA COMPLIANT.  
 PROVIDE STRAINER, TEST PORT, AND FULL SIZE BYPASS WITH LOCKABLE VALVE.  
 ACCEPTABLE MANUFACTURERS: NEPTUNE, BADGER, HERSEY

WM-1  
 GAS METER - DIAPHRAGM TYPE, ALUMINUM CASE, PRESSURE AND TEMPERATURE COMPENSATING INDEXES, 100 PSIG PRESSURE RATING, MEETS ANSI B109.2, PROVIDE WITH ODOMETER TYPE TOTALIZING REGISTER IN CF, REMOTE READOUT WITH ABILITY TO OUTPUT TO BAS AND RVP12 PULSER.  
 INSTALL IN GAS MAIN AFTER IT ENTERS THE BUILDING AND BEFORE ANY BRANCHES. INSTALL SHUTOFF VALVES UPSTREAM AND DOWNSTREAM.  
 ACCEPTABLE MANUFACTURERS: AMERICAN METER (AL-5000) OR APPROVED EQUAL.

### RADIATION SCHEDULE

SYMBOL	SERVICE	BTU/FT	GPM	CABINET			AVERAGE WATER TEMP. °F	CONTROL TYPE/SENSOR	MANUFACTURER	MODEL	REMARKS
				LENGTH	HEIGHT	DEPTH					
RAD-1	CORRIDOR 1101	932	1.8	29'-6"	5'-3/4"	5"	165	5/M7.01	RUNTAL	R2F-2	NOTE 1
RAD-2</											







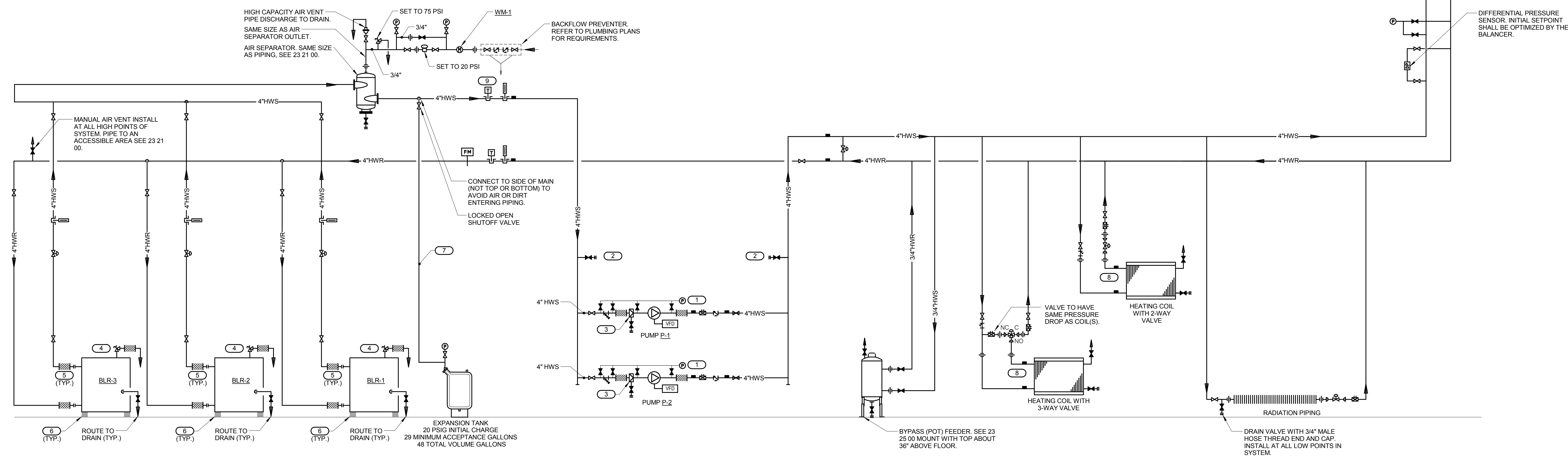
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



**HEATING WATER FLOW DIAGRAM SYMBOL LIST**

SYMBOL:	DESCRIPTION:	SYMBOL:	DESCRIPTION:
	HEATING WATER RETURN		TEMPERATURE SENSOR WITH WELL
	HEATING WATER SUPPLY		THERMOMETER WITH WELL ( FILLED TYPE)
	DIRECTION OF FLOW IN PIPE		UNION/FLANGE
	FLEXIBLE CONNECTION		SHUTOFF VALVE NORMALLY OPEN
	PRESSURE/TEMPERATURE TEST PLUG		SHUTOFF VALVE NORMALLY CLOSED
	METER		BALANCING VALVE
	PRESSURE GAUGE (FURNISHED WITH BALL VALVE)		CONTROL VALVE (TWO-WAY)
	SUCTION DIFFUSER WITH SUPPORT FOOT		CONTROL VALVE (THREE-WAY)
	AUTOMATIC AIR VENT		CHECK VALVE
	MANUAL AIR VENT W/BALL VALVE		SAFETY/RELIEF VALVE
	DRAIN WITH HOSE CONNECTION, CAP & BALL VALVE		PRESSURE REDUCING VALVE (LIQUID/GAS)
	"WYE" - STRAINER W/SHUTOFF VALVE AND HOSE CONNECTION WITH CAP		"WYE" - STRAINER

- KEYNOTES**
- PRESSURE GAUGE WITH SNUBBER PER SECTION 23 09 13. INSTALL WITH MOUNTING ON WALL, STAND, OR VIBRATION-FREE PIPE ABOVE PUMP FLEXIBLE CONNECTOR. INSTALL FLEXIBLE COPPER TUBING TO PIPING CONNECTIONS TO AVOID VIBRATION DAMAGE TO THE GAUGE. PREFERRED CONNECTION LOCATIONS ARE: (a) JUST UPSTREAM OF STRAINER, (b) GAUGE PORT ON SUCTION DIFFUSER OR BETWEEN STRAINER AND PUMP INLET (c) GAUGE TAPPING ON PUMP INLET FLANGE, (d) GAUGE TAPPING ON PUMP OUTLET FLANGE.
  - PROVIDE 2 1/2" OR LARGER CONNECTIONS FOR CONNECTION OF FIRE HOSES FOR FLUSHING AND CLEANING OF SYSTEM, IF CHEMICAL CLEANING IS NOT USED.
  - REMOVE & RETAIN TEMPORARY STRAINER FROM SUCTION DIFFUSERS AT END OF CONSTRUCTION. PROVIDE SUPPORT LEGS AS REQUIRED BY MANUFACTURER.
  - INSTALL SAFETY RELIEF VALVE PROVIDED BY BOILER MANUFACTURER. PIPE TO DRAIN. SUPPORT SOLIDLY AND INSTALL FC-2 TO AVOID STRAIN ON THE RELIEF VALVE.
  - INSTALL FLEXIBLE CONNECTOR PROVIDED BY BOILER MANUFACTURER, (IF RECOMMENDED BY BOILER MANUFACTURER).
  - INSTALL VIBRATION ISOLATORS PROVIDED BY BOILER MANUFACTURER, (IF RECOMMENDED BY MANUFACTURER).
  - SIZE PER BLADDER TANK MANUFACTURER'S RECOMMENDATIONS BUT NOT SMALLER THAN CONNECTION TO TANK.
  - ARRANGE PIPING SO COILS CAN BE REMOVED WITHOUT REMOVING PIPING ABOVE THE UNIONS OR FLANGES. PIPE LOCATION MUST NOT RESTRICT OPENINGS OF ACCESS DOORS.
  - TEMPERATURE SENSOR PROVIDED BY BOILER MANUFACTURER. WIRED TO BOILER/BOILER CONTROL PANEL.

**1 HEATING WATER FLOW DIAGRAM**  
 NO SCALE

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14044.00  
 DESIGN: [Signature] DATE: [Date]

REFERENCE SCALE IN INCHES  
 0 1 2 3

SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**HEATING WATER  
 FLOW DIAGRAM**

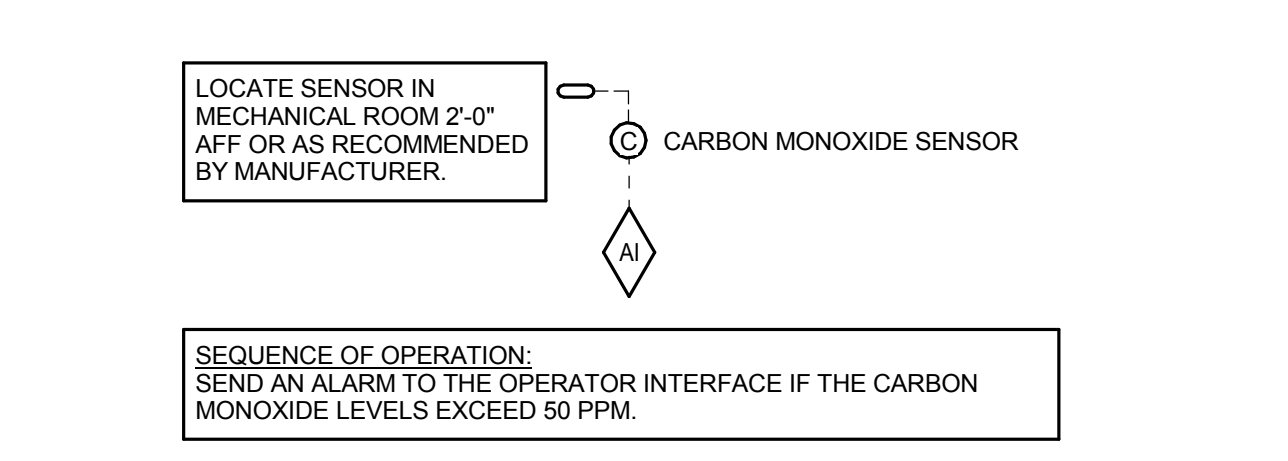
SHEET NUMBER:  
**M6.00**

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA THEREON. SUCH DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

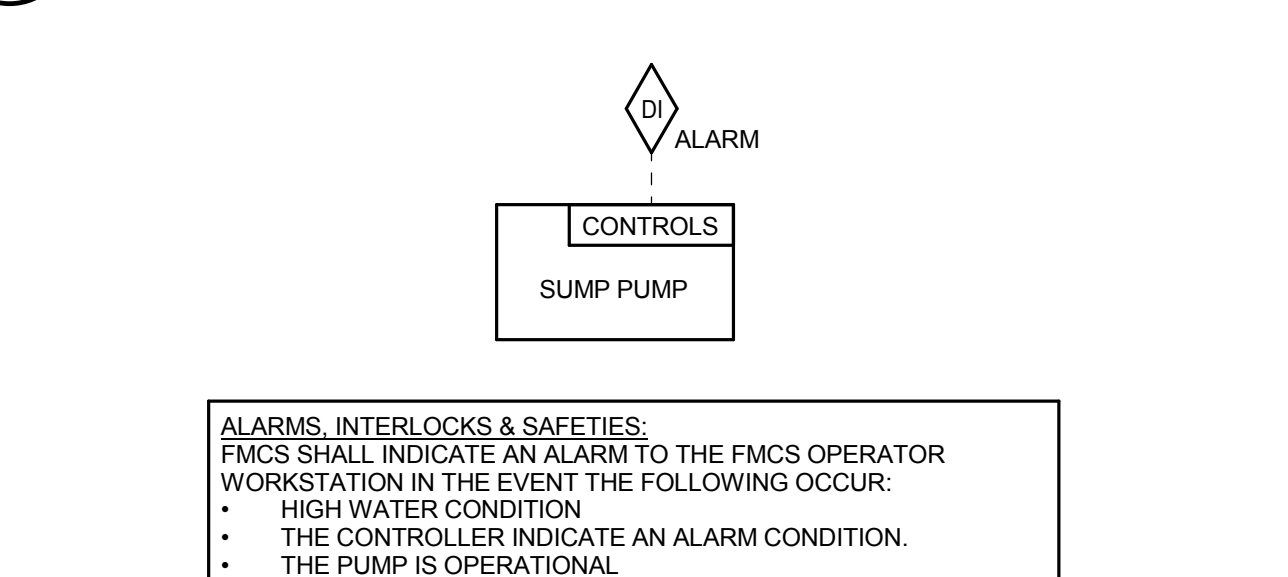


NO.	DESCRIPTION:	DATE:

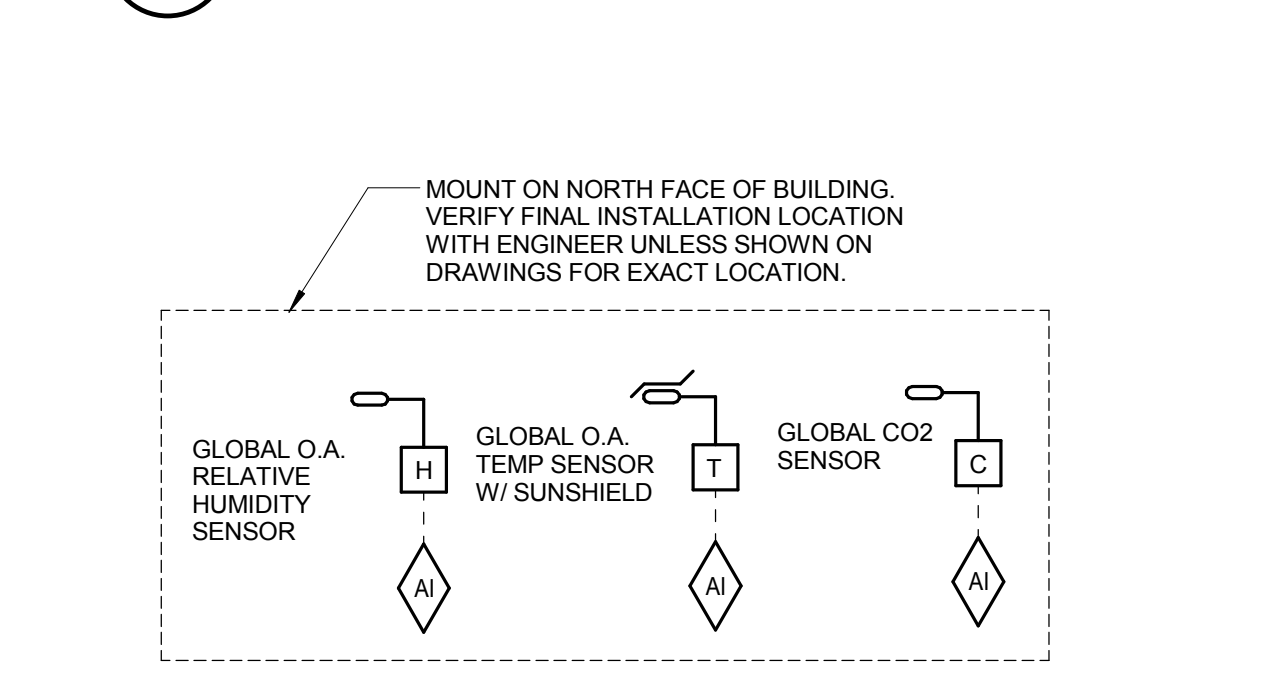
- GENERAL CONTROL NOTES:**
- REFER TO TERMINAL AIR BOX (TAB) SCHEDULES FOR TEMP SENSOR REQUIREMENTS FOR EACH TAB.
  - EACH I.D.O., A.I. AND A.O. POINT SHOWN FOR ALL CONTROL DIAGRAMS SHALL BE DISCRETE FROM ALL OTHER POINTS EXCEPT AS SPECIFICALLY NOTED.
  - ALL ACTUATORS SHALL BE OF THE ELECTRICAL TYPE FOR THIS PROJECT.
  - MODULATING SIGNALS SHALL BE DISPLAYED AS % OPEN (SIGNALS DISPLAYED AS % CLOSED ARE NOT ACCEPTABLE).
  - PRESSURE TRANSMITTERS WHOSE SIGNAL IS UTILIZED FOR MAINTAINING DUCT STATIC PRESSURE SHALL BE WIRED DIRECTLY TO THE CONTROLLER WHICH MODULATES FAN SPEED. SIGNAL SHALL BE COMPLETELY INDEPENDENT OF THE FMCS NETWORK.
  - PRESSURE TRANSMITTERS WHOSE SIGNAL IS UTILIZED FOR MAINTAINING DIFFERENTIAL PRESSURE OF ANY PUMPED WATER SYSTEM (E.G. HEATING HOT WATER) SHALL BE WIRED DIRECTLY TO THE CONTROLLER WHICH MODULATES PUMP SPEED. SIGNAL SHALL BE COMPLETELY INDEPENDENT OF THE FMCS NETWORK.
  - ALL CONTROL COMPONENTS SUCH AS RELAYS, SWITCHES, DOG CONTROLLERS, ETC. SHALL BE MOUNTED IN STEEL ENCLOSURES WITH STEEL MOUNTING BACKPLATES PER SPECIFICATION 23 09 00.
  - EACH CONTROL PANEL SHALL HAVE A LAMINATED COPY OF THE APPLICABLE SEQUENCE OF OPERATION AND CONTROL DIAGRAM INDICATING THE POINTS, COMPONENTS AND OPERATION OF EQUIPMENT ASSOCIATED WITH EACH PANEL. REFER TO SECTION 23 09 00 FOR ADDITIONAL REQUIREMENTS.
  - WIRE THE CONTROL SIGNAL FROM THE ASSOCIATED ROOFTOP UNIT CONTROL PANEL TO CONTROL THE OPERATION OF EQUIPMENT ASSOCIATED WITH THE SEQUENCE OF OPERATION. PROVIDE ALL WIRING, CONDUIT, TRANSFORMERS, FUSING AND ALL OTHER ELECTRICAL COMPONENTS REQUIRED FOR COMPLETE INSTALLATION.
  - EXTEND CONTROL SIGNAL FROM ADDRESSABLE RELAY DEVICE SERVING EACH ROOFTOP UNIT. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS. EXTEND AND TERMINATE WIRING AS REQUIRED FOR EQUIPMENT SHUTDOWN.
  - EXTEND 24 VOLT POWER FROM CONTROL POWER SHOWN ON FLOOR PLANS TO ALL TERMINAL AIR BOX CONTROLLERS JUNCTION BOX. PROVIDE ALL WIRING, SUPPORTS, FUSING SPACE, TOGGLE SWITCHES, AND ALL OTHER ELECTRICAL COMPONENTS REQUIRED FOR COMPLETE INSTALLATION.
  - ELEMENT LENGTHS FOR BOTH WIRING AIR TEMP SENSORS AND LOW LIMIT TEMP SWITCHES SHALL BE MINIMUM 1 LINEAR FOOT PER SQUARE FOOT OF COIL SURFACE AREA. PROVIDE MULTIPLE SENSORS AND SWITCHES AS NEEDED TO ACHIEVE REQUIRED ELEMENT LENGTHS. LOCATE RESET SWITCHES MAX. 6' ABOVE ADJACENT STANDING SURFACE (I.E. ROOF, PLATFORM OR FLOOR) SO THE RESET SWITCH CAN BE CYCLED WITHOUT THE NEED FOR A LADDER.
  - TO PREVENT GENERATOR OVERLOADING, PROGRAM A STAGGERED START TIME FOR ALL MECHANICAL EQUIPMENT THAT IS CONTROLLED BY FMCS TO INCLUDE, BUT NOT LIMITED TO, AIR HANDLERS, PUMPS AND EXHAUST FANS. THE FIRST EQUIPMENT SHALL START 2 MINUTES (ADJ.) FROM THE TIME THE FMCS RECEIVES THE SIGNAL THAT THE TRANSFER SWITCH CHANGED TO EMERGENCY POWER SOURCE WITH ALL EQUIPMENT BEING ENERGIZED WITHIN 60 MINUTE (ADJ.) TIME SPAN. COORDINATE ORDER OF EQUIPMENT STAGING WITH OWNER'S REPRESENTATIVE.
  - CONTROL DIAGRAMS ARE SCHEMATIC IN NATURE AND DO NOT SHOW ALL REQUIRED CONTROL DEVICES AND COMPONENTS. REFER TO FLOOR PLANS, FLOW DIAGRAMS AND DETAILS FOR ADDITIONAL CONTROL DEVICES, COMPONENTS AND REQUIREMENTS NOT SHOWN ON THESE CONTROL DRAWINGS. PROVIDE ALL CONTROL COMPONENTS AND ACCESSORIES AS REQUIRED FOR EQUIPMENT TO BE CONTROLLED AS DESCRIBED IN THE SEQUENCE OF OPERATION REGARDLESS OF WHETHER ALL CONTROL COMPONENTS OR POINTS ARE SHOWN IN THE ASSOCIATED CONTROL DIAGRAM.



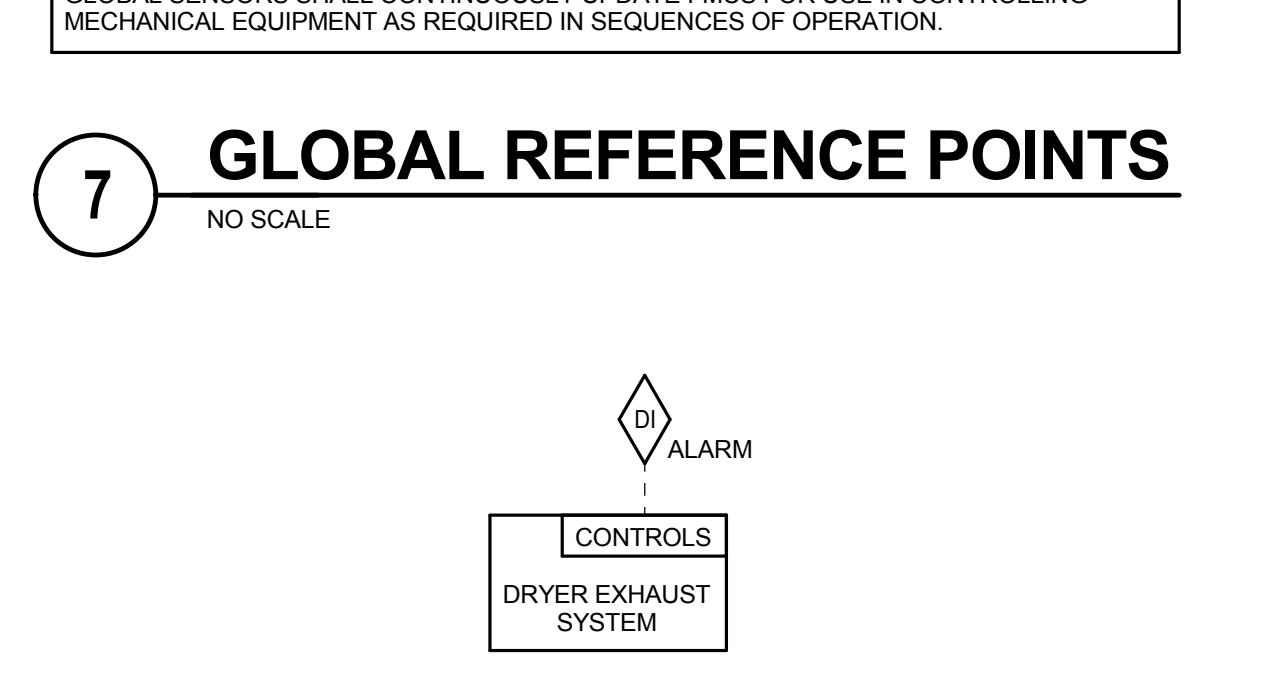
**5 CARBON MONOXIDE MONITORING**  
 NO SCALE



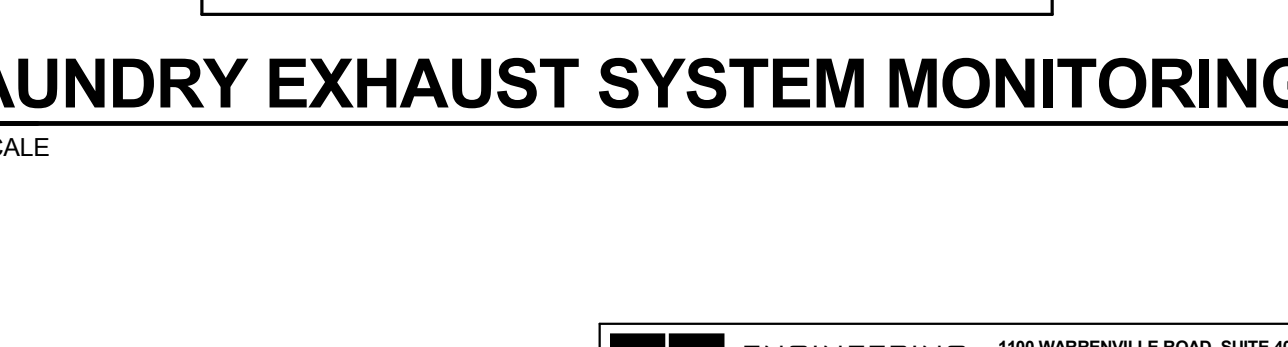
**6 SUMP PUMP MONITORING**  
 NO SCALE



**7 GLOBAL REFERENCE POINTS**  
 NO SCALE



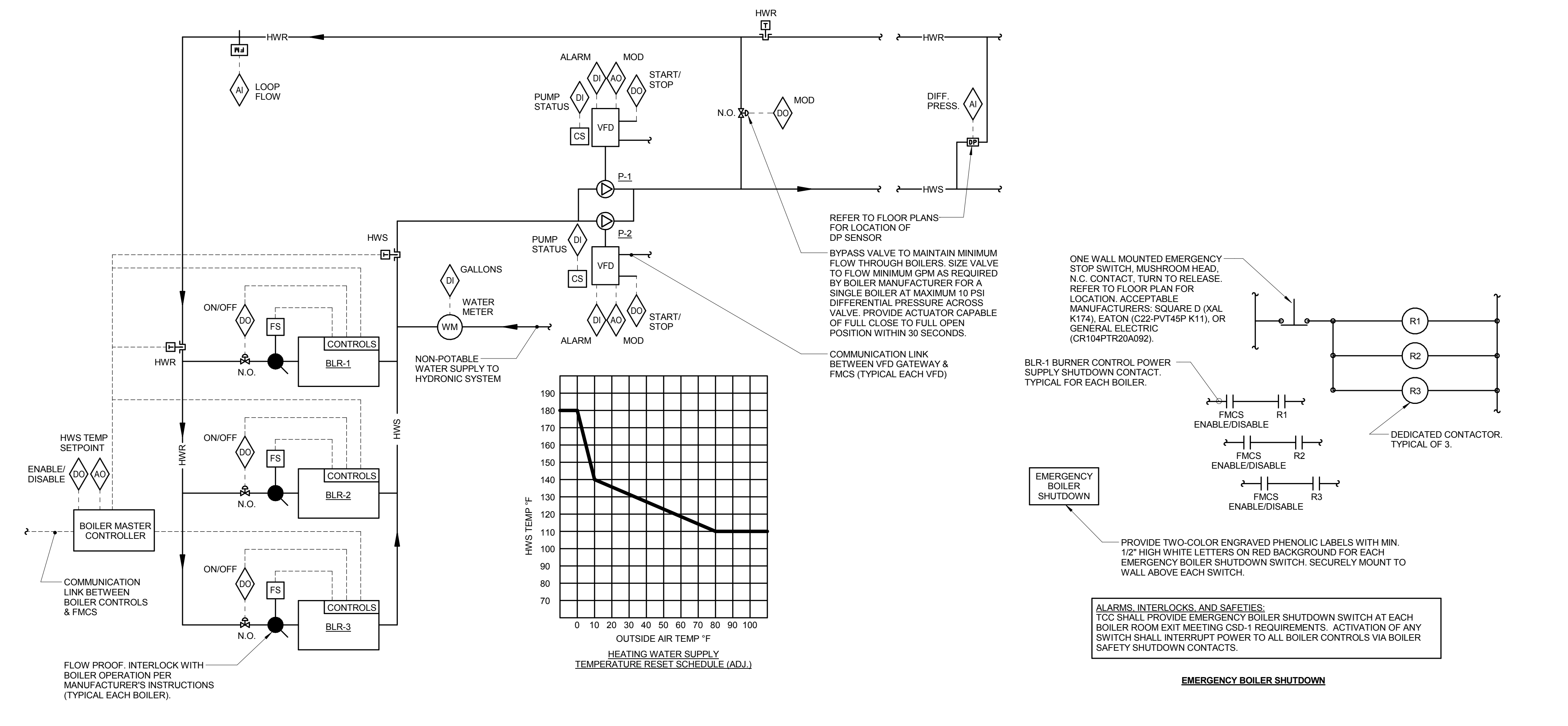
**8 LAUNDRY EXHAUST SYSTEM MONITORING**  
 NO SCALE



**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT #: 14-004-00  
 DESIGN FIRM REGISTRATION #18-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, IN THIS DRAWING AND THE DATA THEREON. SUCH DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



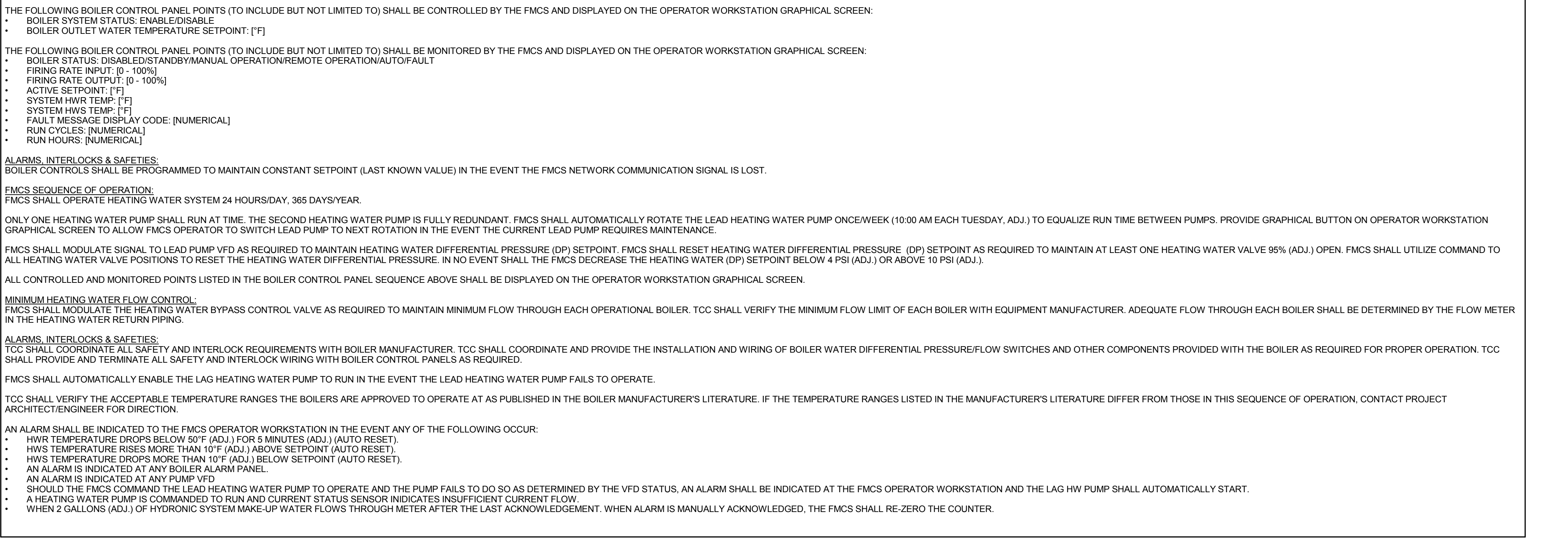
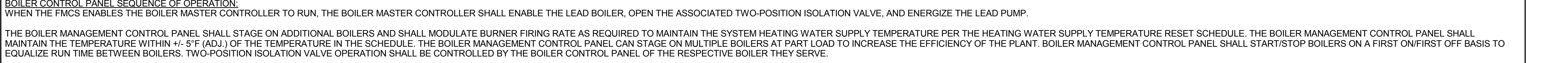
ONE WALL MOUNTED EMERGENCY STOP SWITCH, MUSHROOM HEAD, N.C. CONTACT, TURN TO RELEASE. REFER TO FLOOR PLAN FOR LOCATION. ACCEPTABLE MANUFACTURERS: SQUARE D (XAL K174), EATON (C22-PVT45P K11), OR GENERAL ELECTRIC (CR104TR20A092).

BLR-1 BURNER CONTROL POWER SUPPLY SHUTDOWN CONTACT. TYPICAL FOR EACH BOILER.

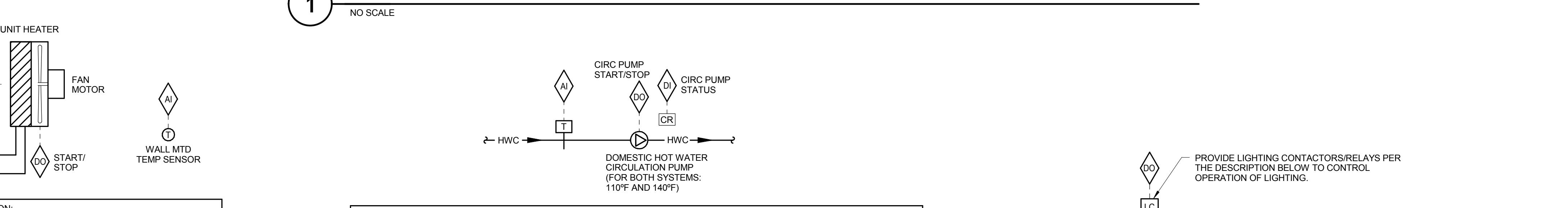
EMERGENCY BOILER SHUTDOWN

PROVIDE TWO-COLOR ENGRAVED PHENOLIC LABELS WITH MIN. 1/2" HIGH WHITE LETTERS ON RED BACKGROUND FOR EACH EMERGENCY BOILER SHUTDOWN SWITCH. SECURELY MOUNT TO WALL ABOVE EACH SWITCH.

**ALARMS, INTERLOCKS, AND SAFETIES:**  
 TOC SHALL PROVIDE EMERGENCY BOILER SHUTDOWN SWITCH AT EACH BOILER ROOM EXIT MEETING CSD-1 REQUIREMENTS. ACTIVATION OF ANY SWITCH SHALL INTERRUPT POWER TO ALL BOILER CONTROLS VIA BOILER SAFETY SHUTDOWN CONTACTS.



**1 CONDENSING HEATING WATER BOILER CONTROL - VARIABLE PRIMARY**  
 NO SCALE



**2 UNIT HEATER CONTROL**  
 NO SCALE

**3 DOMESTIC HOT WATER CIRCULATING PUMP CONTROL**  
 NO SCALE

**4 SITE LIGHTING CONTROLS**  
 NO SCALE

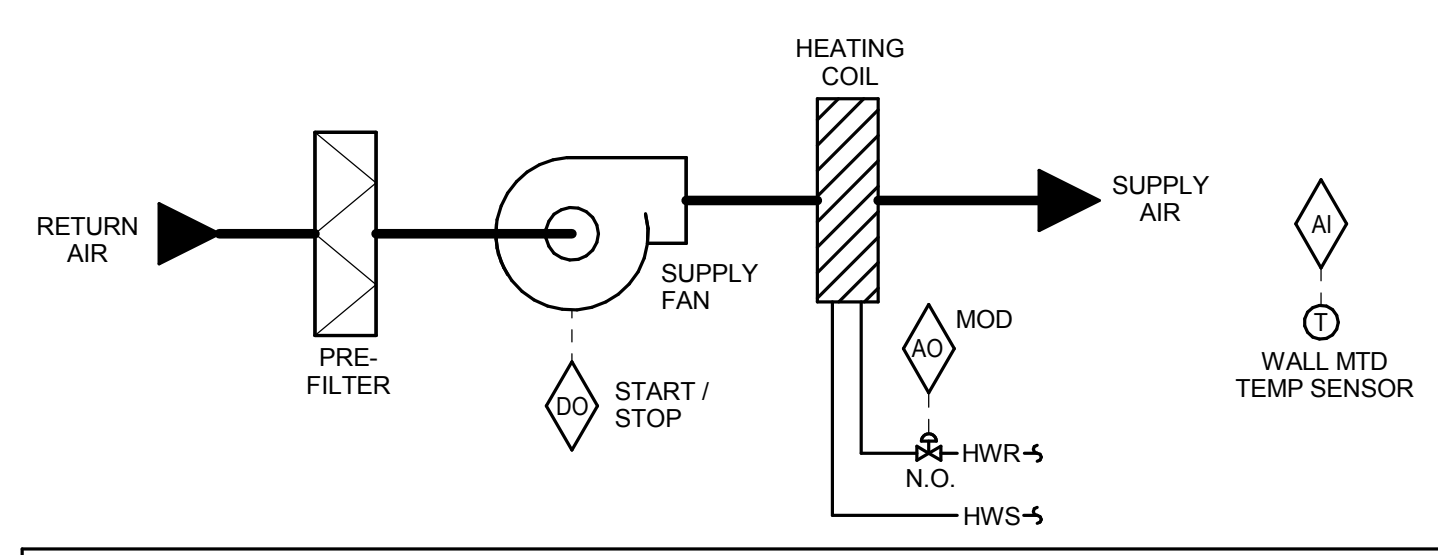
**5 CARBON MONOXIDE MONITORING**  
 NO SCALE

**6 SUMP PUMP MONITORING**  
 NO SCALE

**7 GLOBAL REFERENCE POINTS**  
 NO SCALE

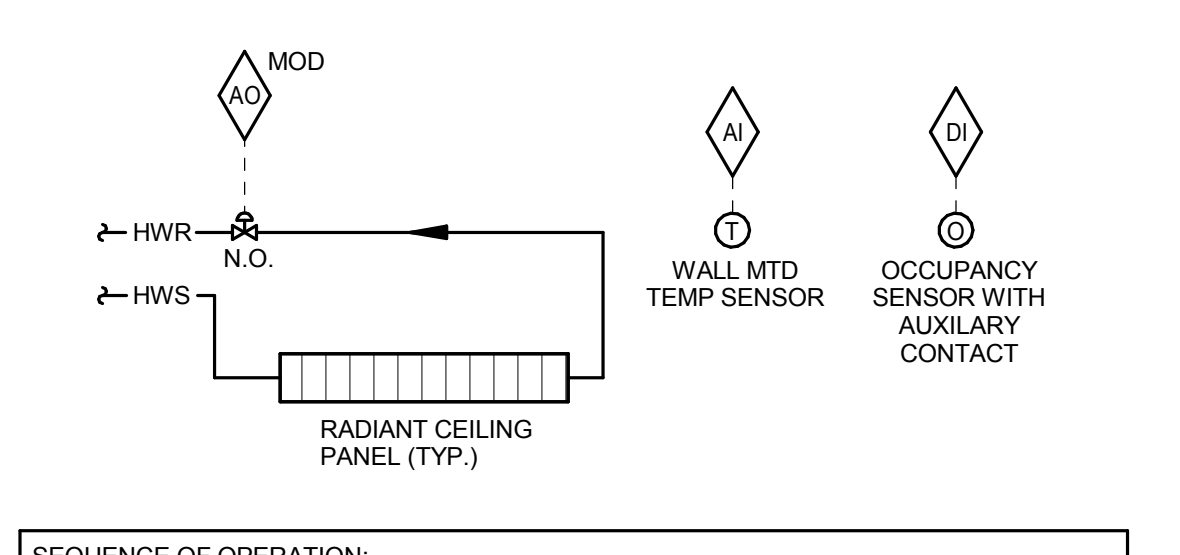
**8 LAUNDRY EXHAUST SYSTEM MONITORING**  
 NO SCALE

NO.	DESCRIPTION:	DATE:



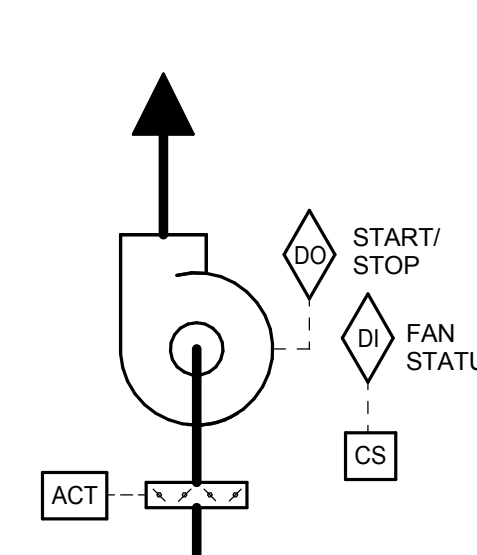
**SEQUENCE OF OPERATION:**  
 THE CABINET HEATER SHALL BE FURNISHED WITH A UNIT MOUNTED FAN SPEED SELECTOR SWITCH (OFF-HIGH-MEDIA-LOW). THE UNIT SHALL MAINTAIN A SPACE TEMPERATURE OF 70°F (ADJ.).  
 WHEN THE OUTDOOR AIR TEMPERATURE IS ABOVE 40°F (ADJ.), THE DDC CONTROLLER SHALL START THE FAN AND MODULATE THE CONTROL VALVE. IF THE VALVE MODULATES TO THE FULLY CLOSED POSITION THE FAN SHALL STOP.  
 WHEN THE OUTDOOR AIR TEMPERATURE IS BELOW 40°F (ADJ.), THE DDC CONTROLLER SHALL MODULATE THE CONTROL VALVE TO MAINTAIN A SPACE TEMPERATURE OF 70°F (ADJ.) AND THE UNIT FAN SHALL RUN CONTINUOUSLY.  
**ALARMS, INTERLOCKS & SAFETIES:**  
 • SEND AN ALARM TO THE FMCS OPERATOR INTERFACE IF SPACE TEMPERATURE FALLS 10°F (ADJ.) BELOW SETPOINT.

**1 CABINET HEATER CONTROL - HYDRONIC**  
 NO SCALE



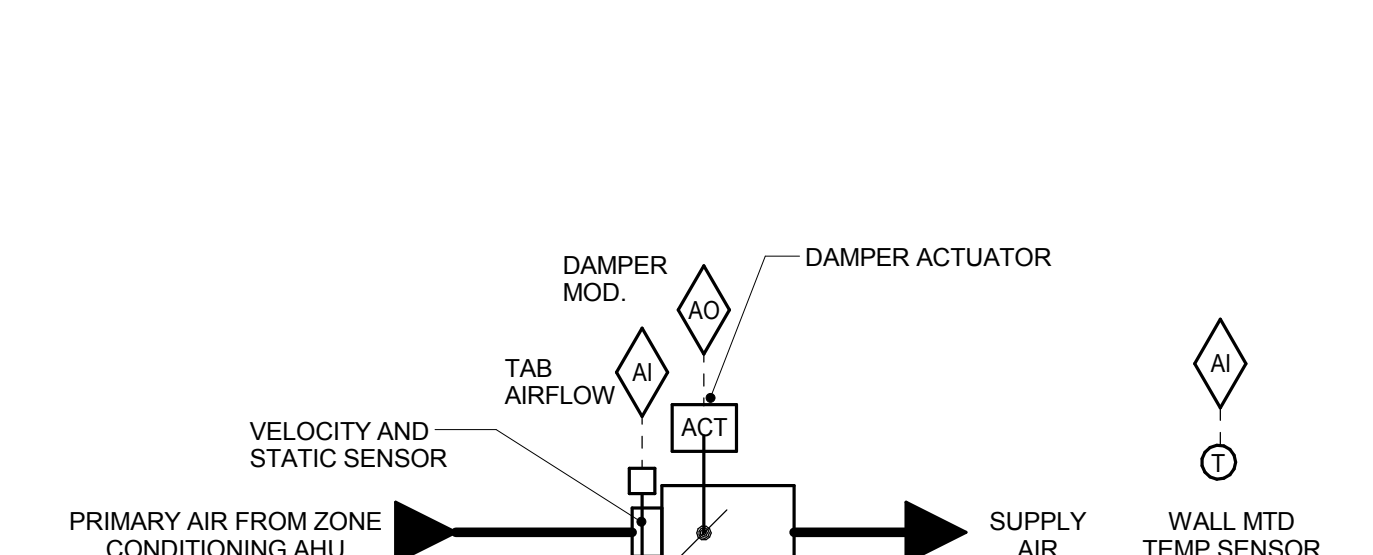
**SEQUENCE OF OPERATION:**  
**OCCUPIED CONTROL:**  
 • WHEN THE OUTDOOR AIR TEMPERATURE IS BELOW 60°F (ADJ.), THE FMCS SHALL MODULATE THE RADIATION CONTROL VALVE TO MAINTAIN A SPACE TEMPERATURE SETPOINT OF 70°F (ADJ.).  
 • WHEN THE OUTDOOR AIR TEMPERATURE IS ABOVE 60°F (ADJ.), CONTROL VALVE SHALL BE FULLY CLOSED.  
**UNOCCUPIED CONTROL:**  
 RADIATION CONTROL SHALL FOLLOW OCCUPIED CONTROL WITH THE FOLLOWING EXCEPTIONS:  
 • FMCS SHALL MAINTAIN AN UNOCCUPIED TEMPERATURE DEADBAND OF 15°F (ADJ.) FROM THE OCCUPIED SPACE TEMPERATURE SETPOINT AFTER A 30 MIN. (ADJ.) TIME DELAY ONCE THE SPACE ENTERS UNOCCUPIED MODE AS DETERMINED BY THE SPACE OCCUPANCY SENSOR.  
**ALARMS, INTERLOCKS & SAFETIES:**  
 SEND AN ALARM TO THE FMCS OPERATOR INTERFACE IF THE SPACE TEMPERATURE FALLS 10°F (ADJ.) BELOW SETPOINT.

**2 STAND ALONE RADIATION CONTROL**  
 NO SCALE  
 NOTES:  
 1. TYPICAL FOR ALL RADIATION NOT CONTROLLED BY TERMINAL AIR BOX SEQUENCE.



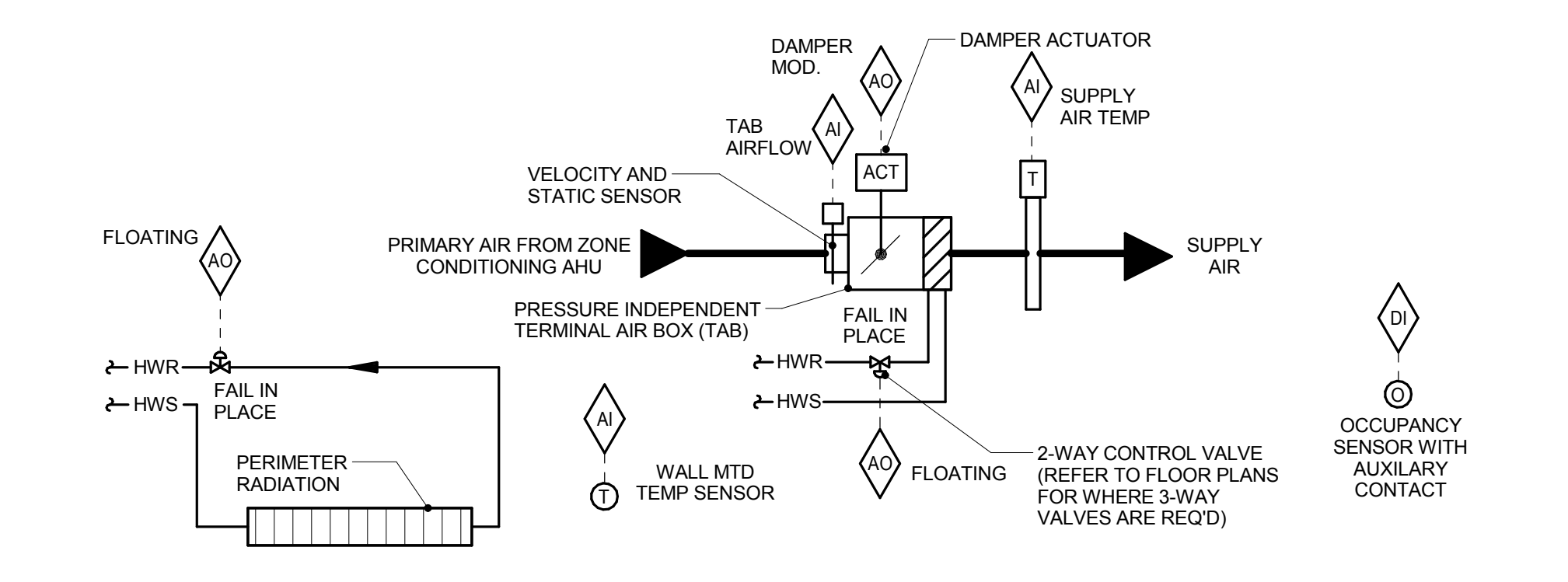
**SEQUENCE OF OPERATION:**  
 EXHAUST FAN SHALL BE INTERLOCKED TO RUN CONTINUOUSLY WHEN RESPECTIVE AHU IS OPERATING.  
 2-POSITION DAMPER SHALL FULLY OPEN WHEN FAN IS ENERGIZED. WHEN FAN IS DE-ENERGIZED, 2-POSITION DAMPER SHALL FULLY CLOSE.  
**ALARMS, INTERLOCKS & SAFETIES:**  
 AN ALARM SHALL BE GENERATED AT THE FMCS OPERATOR WORKSTATION IN THE EVENT THE FMCS COMMANDS THE EXHAUST FAN TO OPERATE AND THE CURRENT SENSING RELAY DETECTS INSUFFICIENT CURRENT DRAW.

**3 EXHAUST FAN CONTROL - AHU INTERLOCK**  
 NO SCALE



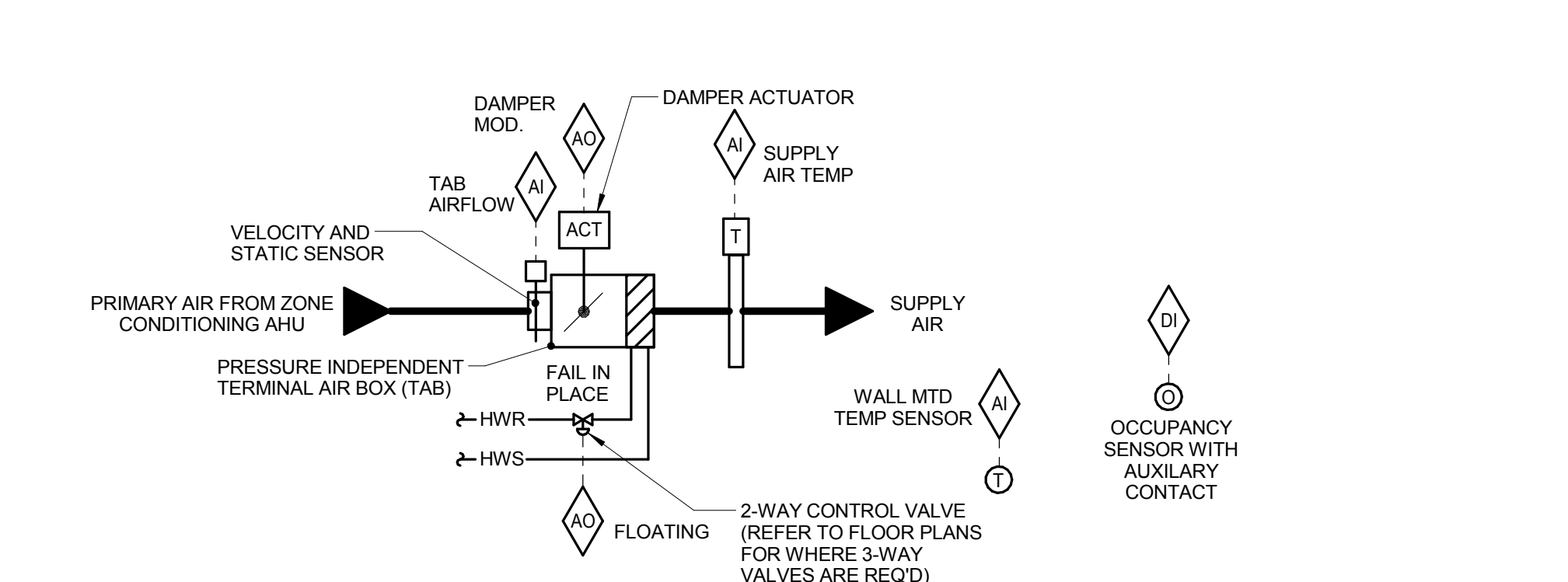
**SEQUENCE OF OPERATION:**  
 FMCS TAB CONTROLLER SHALL MODULATE THE TAB DAMPER TO MAINTAIN CONSTANT SUPPLY AIRFLOW TO THE ROOM.  
 SPACE TEMPERATURE OF 72°F (ADJ.) WITH 2°F (ADJ.) DEAD BAND BASED ON A SIGNAL FROM A WALL MOUNTED TEMPERATURE SENSOR.  
**ALARMS, INTERLOCKS & SAFETIES:**  
 SEND AN ALARM TO THE FMCS OPERATOR INTERFACE IF THE SPACE TEMPERATURE IS MORE THAN 10°F (ADJ.) ABOVE OR BELOW SETPOINT.

**4 TAB CONTROL CONSTANT VOLUME W/ COOLING ONLY - TAB-C**  
 12" = 1'-0"



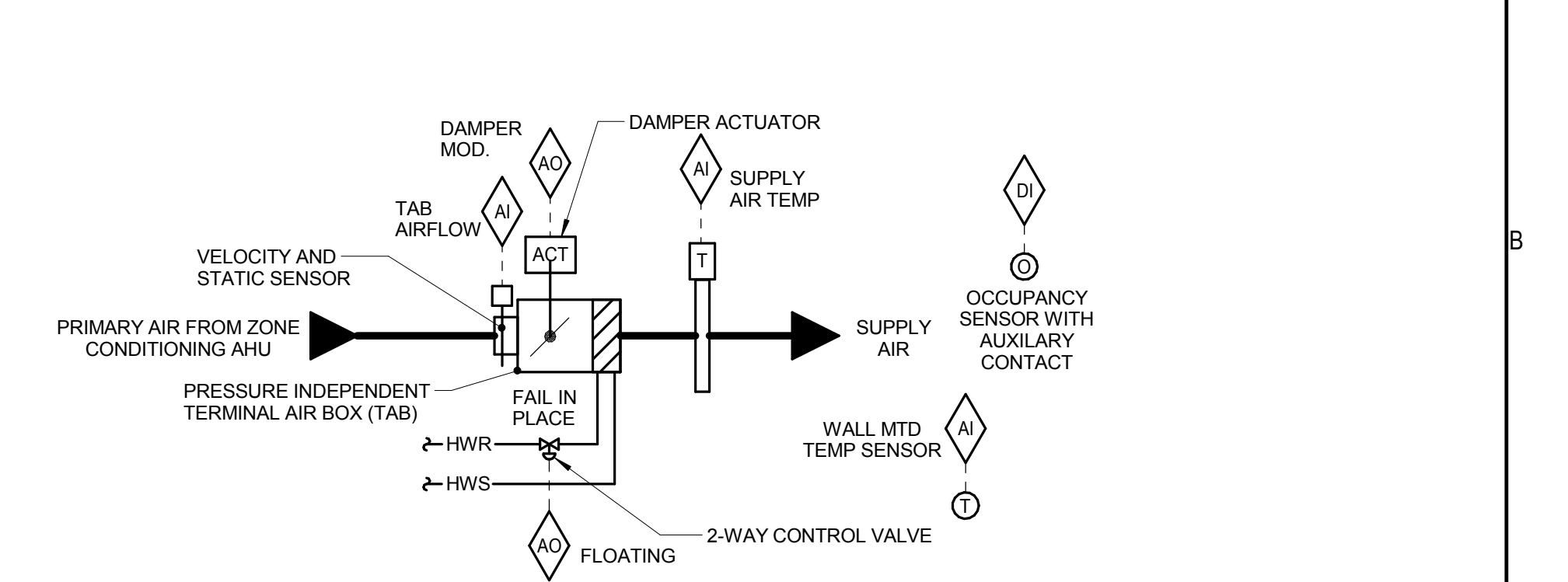
**SEQUENCE OF OPERATION:**  
**OCCUPIED CONTROL:**  
 FMCS TAB CONTROLLER SHALL MODULATE THE TAB DAMPER, TAB HEATING WATER REHEAT COIL, AND PERIMETER RADIATION CONTROL VALVE TO MAINTAIN SPACE TEMPERATURE OF 72°F (ADJ.) WITH 2°F (ADJ.) DEAD BAND BASED ON A SIGNAL FROM A WALL MOUNTED TEMPERATURE SENSOR. SEE DRAWINGS FOR TEMPERATURE SENSOR REQUIREMENTS. SPACES WITH ADJUSTABLE THERMOSTATS WILL ALLOW A +/- 3°F (ADJ.) OFFSET FROM THE DDC SETPOINT.  
 AT FULL COOLING, THE TAB SHALL BE OPEN TO MAXIMUM CFM POSITION. THE REHEAT COIL CONTROL VALVE AND PERIMETER RADIATION CONTROL VALVE SHALL BE CLOSED.  
 UPON A FALL IN SPACE TEMPERATURE, THE TAB SHALL MODULATE CLOSED UNTIL SPACE SETPOINT IS MAINTAINED, OR UNTIL IT REACHES ITS MINIMUM SCHEDULED CFM POSITION PER THE TAB SCHEDULE. THE REHEAT COIL CONTROL VALVE AND PERIMETER RADIATION CONTROL VALVE SHALL BE CLOSED.  
 THE TAB CONTROLLER SHALL ENABLE PERIMETER RADIATION CONTROLS WHEN THE O.A. TEMP DROPS BELOW 35°F (ADJ.). WHEN THE O.A. TEMP RISES ABOVE 40°F (ADJ.) PERIMETER RADIATION CONTROLS SHALL BE DISABLED.  
 AS SPACE TEMP DROPS BELOW SETPOINT AND THE TAB DAMPER IS AT MINIMUM SCHEDULED CFM, TAB CONTROLLER SHALL MODULATE THE PERIMETER RADIATION CONTROL VALVE OPEN AS REQUIRED TO MAINTAIN SPACE TEMP.  
 UPON A FURTHER FALL IN SPACE TEMPERATURE, THE REHEAT COIL CONTROL VALVE SHALL MODULATE OPEN TO MAINTAIN SPACE SETPOINT UNTIL THE SUPPLY AIR TEMPERATURE IS 15°F ABOVE ROOM TEMPERATURE SETPOINT.  
 UPON A FURTHER FALL IN SPACE TEMPERATURE, TAB SHALL OPEN TO MAINTAIN SETPOINT UNTIL TAB AIRFLOW REACHES ITS MAXIMUM HEATING SETTING. THE REHEAT CONTROL VALVE SHALL CONTINUE TO MODULATE OPEN TO MAINTAIN MAXIMUM DELTA T LISTED ABOVE.  
 THE FMCS SHALL UTILIZE OUTPUT FROM ALL TERMINAL AIR BOX POSITIONS TO RESET THE SUPPLY DUCT DIFFERENTIAL STATIC PRESSURE.  
**UNOCCUPIED CONTROL:**  
 FMCS TAB CONTROL SHALL FOLLOW OCCUPIED CONTROL WITH THE FOLLOWING EXCEPTIONS:  
 FMCS TAB CONTROLLER SHALL MAINTAIN AN UNOCCUPIED TEMPERATURE DEADBAND OF 15°F (ADJ.) FROM THE SPACE TEMPERATURE SETPOINT AFTER A 30 MIN. (ADJ.) TIME DELAY ONCE THE SPACE ENTERS UNOCCUPIED MODE AS DETERMINED BY THE SPACE OCCUPANCY SENSOR.  
 THE TAB MINIMUM SHALL BE RESET TO 0 CFM WHEN IN UNOCCUPIED MODE.  
**ALARMS, INTERLOCKS & SAFETIES:**  
 SEND AN ALARM TO THE FMCS OPERATOR INTERFACE IF THE SPACE TEMPERATURE IS MORE THAN 10°F (ADJ.) ABOVE OR BELOW SETPOINT.

**5 TAB CONTROL W/ HOT WATER REHEAT AND PERIMETER RADIANT HEAT - TAB-B**  
 12" = 1'-0"



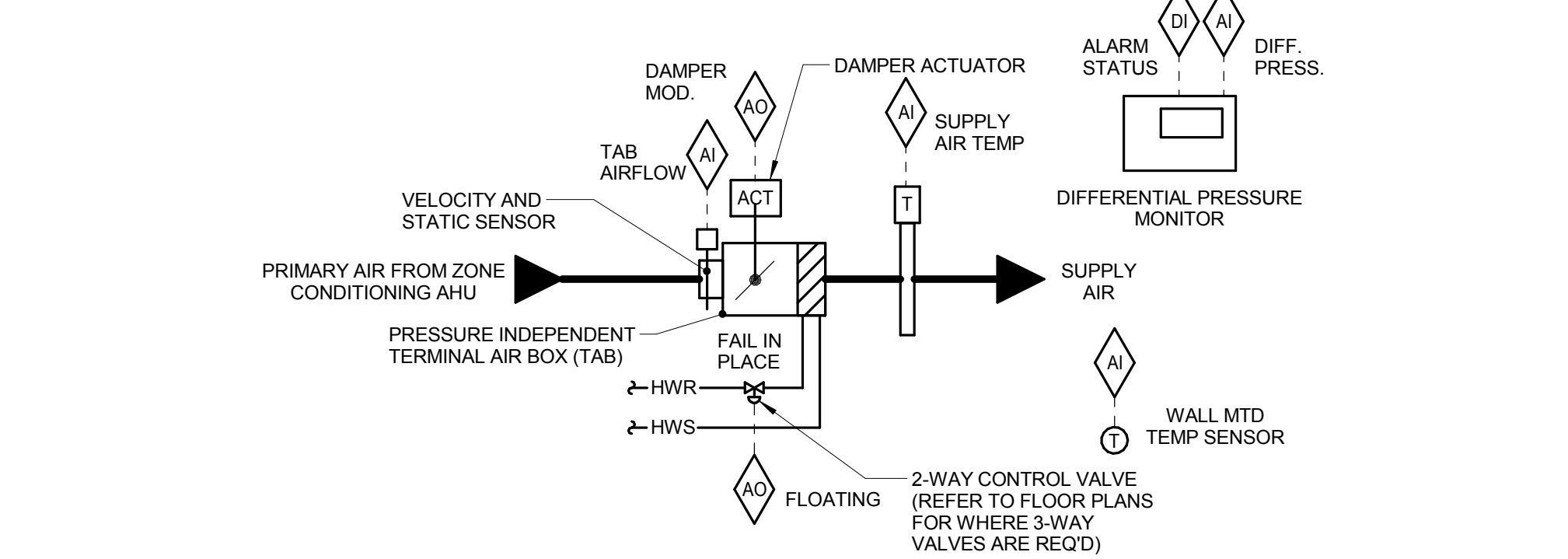
**SEQUENCE OF OPERATION:**  
**OCCUPIED CONTROL:**  
 FMCS TAB CONTROLLER SHALL MODULATE THE TAB DAMPER AND TAB HW REHEAT COIL CONTROL VALVE TO MAINTAIN SPACE TEMPERATURE OF 72°F (ADJ.) WITH 2°F (ADJ.) DEAD BAND BASED ON A SIGNAL FROM A WALL MOUNTED TEMPERATURE SENSOR. SEE DRAWINGS FOR TEMPERATURE SENSOR REQUIREMENTS. SPACES WITH ADJUSTABLE THERMOSTATS WILL ALLOW A +/- 3°F (ADJ.) OFFSET FROM THE DDC SETPOINT.  
 AT FULL COOLING, THE TAB SHALL BE OPEN TO MAXIMUM CFM POSITION. THE REHEAT COIL CONTROL VALVE SHALL BE CLOSED.  
 UPON A FALL IN SPACE TEMPERATURE, THE TAB SHALL MODULATE CLOSED UNTIL SPACE SETPOINT IS MAINTAINED, OR UNTIL IT REACHES ITS MINIMUM SCHEDULED CFM POSITION PER THE TAB SCHEDULE. THE REHEAT COIL CONTROL VALVE SHALL BE CLOSED.  
 UPON A FURTHER FALL IN SPACE TEMPERATURE, THE REHEAT COIL CONTROL VALVE SHALL MODULATE OPEN TO MAINTAIN SPACE SETPOINT UNTIL THE SUPPLY AIR TEMPERATURE IS 15°F ABOVE ROOM TEMPERATURE SETPOINT.  
 UPON A FURTHER FALL IN SPACE TEMPERATURE, TAB SHALL OPEN TO MAINTAIN SETPOINT UNTIL TAB AIRFLOW REACHES ITS MAXIMUM HEATING SETTING. THE REHEAT CONTROL VALVE SHALL CONTINUE TO MODULATE OPEN TO MAINTAIN MAXIMUM DELTA T LISTED ABOVE.  
 THE FMCS SHALL UTILIZE OUTPUT FROM ALL TERMINAL AIR BOX POSITIONS TO RESET THE SUPPLY DUCT DIFFERENTIAL STATIC PRESSURE.  
**UNOCCUPIED CONTROL:**  
 FMCS TAB CONTROL SHALL FOLLOW OCCUPIED CONTROL WITH THE FOLLOWING EXCEPTIONS:  
 FMCS TAB CONTROLLER SHALL MAINTAIN AN UNOCCUPIED TEMPERATURE DEADBAND OF 15°F (ADJ.) FROM THE SPACE TEMPERATURE SETPOINT AFTER A 30 MIN. (ADJ.) TIME DELAY ONCE THE SPACE ENTERS UNOCCUPIED MODE AS DETERMINED BY THE SPACE OCCUPANCY SENSOR.  
 THE TAB MINIMUM SHALL BE RESET TO 0 CFM WHEN IN UNOCCUPIED MODE.  
**ALARMS, INTERLOCKS & SAFETIES:**  
 SEND AN ALARM TO THE FMCS OPERATOR INTERFACE IF THE SPACE TEMPERATURE IS MORE THAN 10°F (ADJ.) ABOVE OR BELOW SETPOINT.

**6 TAB CONTROL W/ HOT WATER REHEAT - TAB-A**  
 NO SCALE



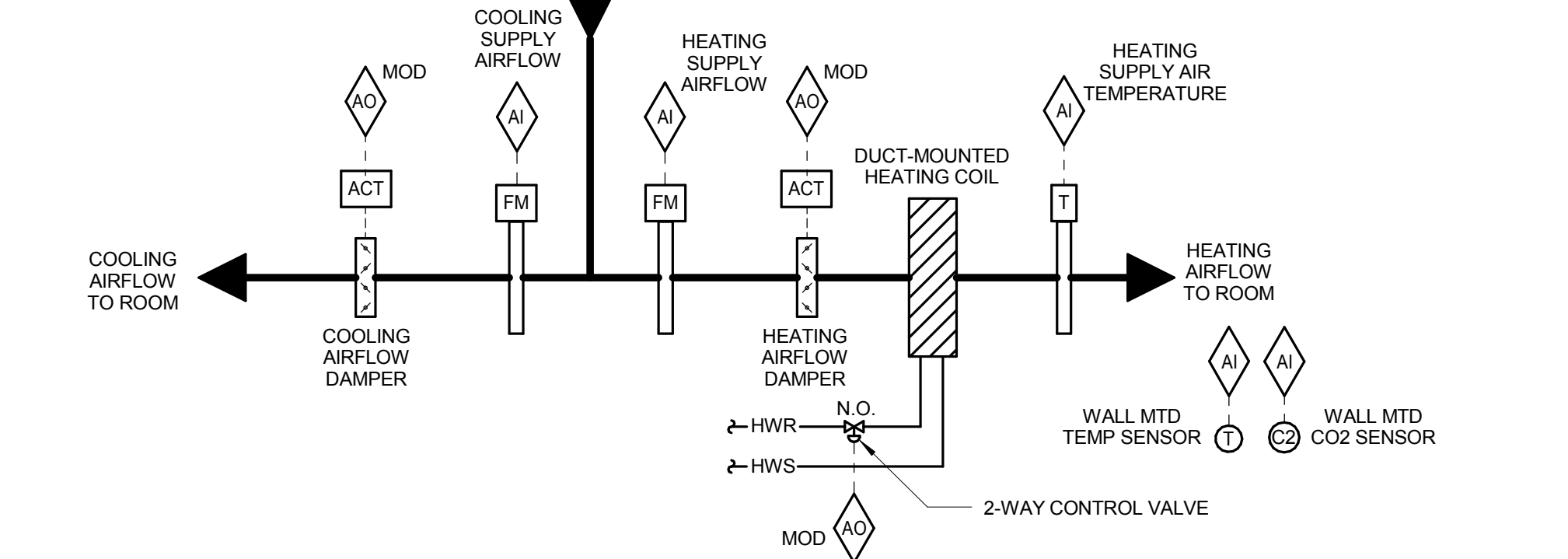
**SEQUENCE OF OPERATION:**  
**OCCUPIED CONTROL:**  
 FMCS TAB CONTROLLER SHALL MODULATE THE TAB DAMPER TO MAINTAIN CONSTANT SUPPLY AIRFLOW TO THE ROOM.  
 FMCS TAB CONTROLLER SHALL MODULATE TAB HW REHEAT COIL CONTROL VALVE TO MAINTAIN SPACE TEMPERATURE OF 72°F (ADJ.) WITH 2°F (ADJ.) DEAD BAND BASED ON A SIGNAL FROM A WALL MOUNTED TEMPERATURE SENSOR. SEE DRAWINGS FOR TEMPERATURE SENSOR REQUIREMENTS. SPACES WITH ADJUSTABLE THERMOSTATS WILL ALLOW A +/- 3°F (ADJ.) OFFSET FROM THE DDC SETPOINT.  
 THE FMCS SHALL UTILIZE OUTPUT FROM ALL TERMINAL AIR BOX POSITIONS TO RESET THE SUPPLY DUCT DIFFERENTIAL STATIC PRESSURE.  
**UNOCCUPIED CONTROL:**  
 FMCS TAB CONTROL SHALL FOLLOW OCCUPIED CONTROL WITH THE FOLLOWING EXCEPTIONS:  
 FMCS TAB CONTROLLER SHALL MAINTAIN AN UNOCCUPIED TEMPERATURE DEADBAND OF 15°F (ADJ.) FROM THE SPACE TEMPERATURE SETPOINT AFTER A 30 MIN. (ADJ.) TIME DELAY ONCE THE SPACE ENTERS UNOCCUPIED MODE AS DETERMINED BY THE SPACE OCCUPANCY SENSOR.  
 THE TAB MINIMUM SHALL BE RESET TO 0 CFM WHEN IN UNOCCUPIED MODE.  
**ALARMS, INTERLOCKS & SAFETIES:**  
 SEND AN ALARM TO THE FMCS OPERATOR INTERFACE IF THE SPACE TEMPERATURE IS MORE THAN 10°F (ADJ.) ABOVE OR BELOW SETPOINT.

**7 CONSTANT VOLUME TAB CONTROL - TAB-D**  
 NO SCALE



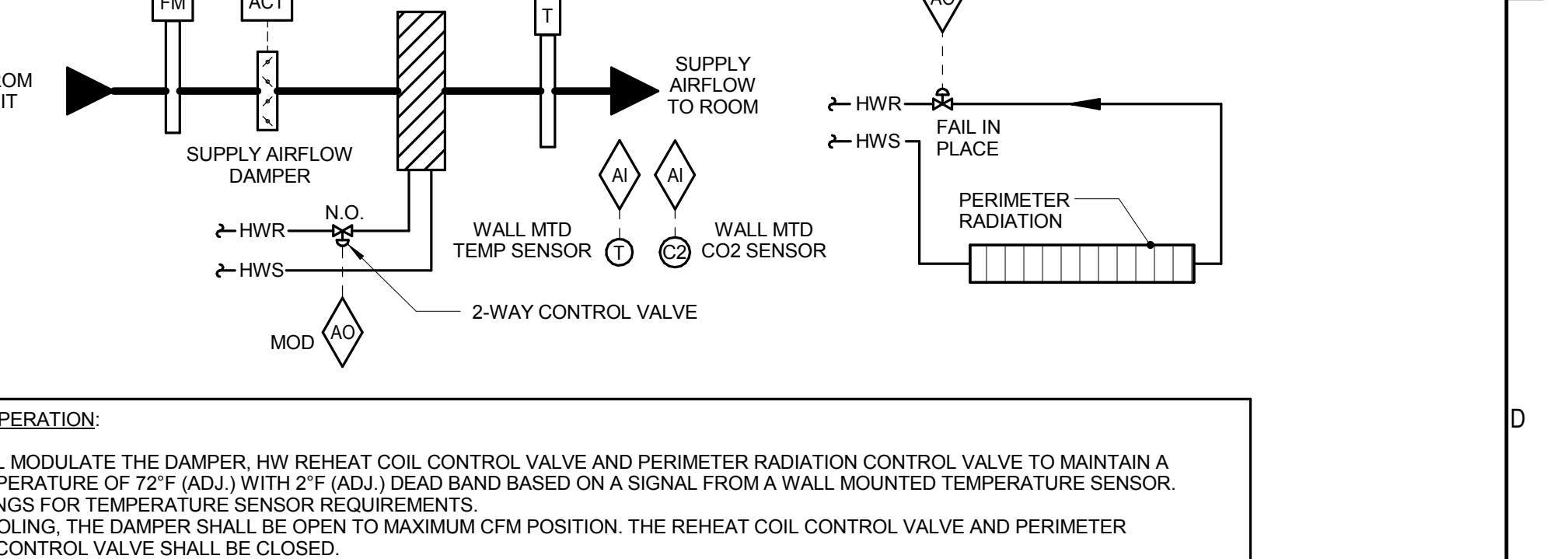
**GENERAL:**  
 THE TAB SERVES A LAUNDRY ROOM INCLUDING TWO DRYERS WITH A SINGLE VARIABLE SPEED DRYER EXHAUST FAN. THE DRYER EXHAUST FAN IS PROVIDED WITH ITS OWN CONTROLLER AND SENSORS WHICH CONTROL ITS OPERATION.  
**NORMAL SEQUENCE OF OPERATION:**  
 FMCS TAB CONTROLLER SHALL MODULATE THE TAB DAMPER TO MAINTAIN CONSTANT SUPPLY AIRFLOW TO THE ROOM.  
 FMCS TAB CONTROLLER SHALL MODULATE THE TAB HW REHEAT COIL CONTROL VALVE TO MAINTAIN A SPACE TEMPERATURE OF 72°F (ADJ.) WITH 2°F (ADJ.) DEAD BAND BASED ON A SIGNAL FROM A WALL MOUNTED TEMPERATURE SENSOR. SEE DRAWINGS FOR TEMPERATURE SENSOR REQUIREMENTS. SPACES WITH ADJUSTABLE THERMOSTATS WILL ALLOW A +/- 3°F (ADJ.) OFFSET FROM THE DDC SETPOINT.  
 THE FMCS SHALL UTILIZE OUTPUT FROM ALL TERMINAL AIR BOX POSITIONS TO RESET THE SUPPLY DUCT DIFFERENTIAL STATIC PRESSURE.  
**TAB ROOM PRESSURE SEQUENCE OF OPERATION:**  
 THE FOLLOWING SEQUENCE SHALL OVERRIDE THE SEQUENCE ABOVE.  
 AT ALL TIMES THE FMCS SHALL MONITOR THE ROOM PRESSURE RELATIVE TO THE ADJACENT CORRIDOR BASED ON THE SIGNAL FROM A SPACE DIFFERENTIAL PRESSURE SENSOR. IF AT ANY POINT THE SPACE PRESSURE IS LOWER THAN THE MINIMUM PRESSURE SETPOINT OF -0.010 IN. W.G. PRESSURE RELATIVE TO THE ADJACENT CORRIDOR THE FMCS SHALL MODULATE THE TAB DAMPER TO MAINTAIN THE SPACE PRESSURE SETPOINT.  
 IF THE INCREASED SUPPLY CFM REQUIRED TO MAINTAIN THE MINIMUM SPACE PRESSURE SETPOINT CAUSES A FALL IN SPACE TEMPERATURE THE HEATING CONTROL VALVE SHALL MODULATE TO MAINTAIN THE SPACE TEMPERATURE.  
 FMCS SHALL DISPLAY THE PRESSURE VALUE ON THE TAB GRAPHICAL SCREEN AT THE OPERATOR WORKSTATION.  
**ALARMS, INTERLOCKS & SAFETIES:**  
 SEND AN ALARM TO THE FMCS OPERATOR INTERFACE IF THE SPACE TEMPERATURE IS MORE THAN 10°F (ADJ.) ABOVE OR BELOW SETPOINT.  
 DIFFERENTIAL PRESSURE MONITOR SHALL INDICATE A LOCAL ALARM IN THE EVENT THE ROOM PRESSURE IS LESS THAN -0.010 (REFER TO DRAWINGS FOR CORRECT PRESSURE RELATIONSHIP) IN. W.G. RELATIVE TO THE ADJACENT CORRIDOR/ROOM FOR MORE THAN 1 MINUTE (ADJ.).

**8 TAB CONTROL W/ HOT WATER REHEAT AND ROOM PRESSURE TAB CONTROL - TAB-E**  
 12" = 1'-0"



**SEQUENCE OF OPERATION:**  
 FMCS SHALL MODULATE THE HEATING AND COOLING DAMPERS AND THE HW REHEAT COIL CONTROL VALVE TO MAINTAIN A SPACE TEMPERATURE OF 72°F (ADJ.) WITH 2°F (ADJ.) DEAD BAND BASED ON A SIGNAL FROM A WALL MOUNTED TEMPERATURE SENSOR. SEE DRAWINGS FOR TEMPERATURE SENSOR REQUIREMENTS.  
 AT FULL COOLING, THE COOLING DAMPER SHALL BE OPEN TO MAXIMUM CFM POSITION. THE HEATING DAMPER AND THE REHEAT COIL CONTROL VALVE SHALL BE CLOSED.  
 UPON A FALL IN SPACE TEMPERATURE, THE COOLING DAMPER SHALL MODULATE CLOSED UNTIL SPACE SETPOINT IS MAINTAINED, OR UNTIL IT REACHES THE MINIMUM SCHEDULED CFM AS MEASURED AT THE COOLING SUPPLY AIRFLOW MEASURING STATION. THE HEATING DAMPER AND THE REHEAT COIL CONTROL VALVE SHALL BE CLOSED.  
 UPON A FURTHER FALL IN SPACE TEMPERATURE, THE COOLING DAMPER SHALL MODULATE TO THE 100% CLOSED POSITION WHILE THE HEATING DAMPER SIMULTANEOUSLY MODULATES OPEN TO THE MINIMUM SCHEDULED CFM AS MEASURED AT THE HEATING SUPPLY AIRFLOW MEASURING STATION. THE REHEAT COIL CONTROL VALVE SHALL MODULATE OPEN TO MAINTAIN SPACE SETPOINT UNTIL THE SUPPLY AIR TEMPERATURE IS 15°F ABOVE ROOM TEMPERATURE SETPOINT.  
 UPON A FURTHER FALL IN SPACE TEMPERATURE, THE HEATING DAMPER SHALL OPEN TO MAINTAIN SETPOINT UNTIL THE AIRFLOW REACHES ITS MAXIMUM HEATING SETTING AS MEASURED AT THE HEATING SUPPLY AIRFLOW MEASURING STATION. THE REHEAT CONTROL VALVE SHALL CONTINUE TO MODULATE OPEN TO MAINTAIN MAXIMUM DELTA T LISTED ABOVE. THE COOLING DAMPER SHALL BE CLOSED.  
**CO2 SENSOR-BASED DEMAND CONTROL VENTILATION:**  
 DURING OCCUPIED HOURS, THE FMCS SHALL RESET THE ZONE MINIMUM AIRFLOW SETTING BASED ON THE ZONE CO2 SENSOR INPUT SIGNAL.  
 WHEN THE ZONE CO2 SENSOR READS [OUTSIDE AIR] PPM (ADJ.) PLUS 300 PPM (ADJ.) OR LESS, THE TAB MINIMUM AIRFLOW SETTING SHALL BE EQUAL TO THE MINIMUM SPECIFIED IN THE TAB SCHEDULE.  
 WHEN THE ZONE CO2 SENSOR IS AT THE CO2 SETPOINT IN THE TAB SCHEDULE OR HIGHER, THE TAB MINIMUM AIRFLOW SETTING SHALL BE EQUAL TO THE TAB MAXIMUM AIRFLOW SETTING SPECIFIED IN THE TAB SCHEDULE.  
 WHEN THE ZONE CO2 LEVEL IS BETWEEN [AMBIENT CO2 LEVEL] PPM + 300 PPM (ADJ.) AND THE ZONE CO2 SETPOINT, THE TAB MINIMUM AIRFLOW SHALL VARY PROPORTIONALLY BETWEEN THE SCHEDULED TAB MINIMUM AIRFLOW AND MAXIMUM AIRFLOW.  
**ALARMS, INTERLOCKS & SAFETIES:**  
 SEND AN ALARM TO THE FMCS OPERATOR INTERFACE IF THE SPACE TEMPERATURE IS MORE THAN 10°F (ADJ.) ABOVE OR BELOW SETPOINT.  
 SEND AN ALARM TO THE FMCS OPERATOR INTERFACE IF THE SPACE CO2 CONCENTRATION IS ABOVE THE SCHEDULED SETPOINT FOR MORE THAN 60 MINUTES (ADJ.).

**9 FIELDHOUSE ZONE CONTROL**  
 NO SCALE



**SEQUENCE OF OPERATION:**  
 FMCS SHALL MODULATE THE DAMPER, HW REHEAT COIL CONTROL VALVE AND PERIMETER RADIATION CONTROL VALVE TO MAINTAIN A SPACE TEMPERATURE OF 72°F (ADJ.) WITH 2°F (ADJ.) DEAD BAND BASED ON A SIGNAL FROM A WALL MOUNTED TEMPERATURE SENSOR. SEE DRAWINGS FOR TEMPERATURE SENSOR REQUIREMENTS.  
 AT FULL COOLING, THE DAMPER SHALL BE OPEN TO MAXIMUM CFM POSITION. THE REHEAT COIL CONTROL VALVE AND PERIMETER RADIATION CONTROL VALVE SHALL BE CLOSED.  
 UPON A FALL IN SPACE TEMPERATURE, THE DAMPER SHALL MODULATE CLOSED UNTIL SPACE SETPOINT IS MAINTAINED, OR UNTIL IT REACHES THE MINIMUM SCHEDULED CFM AS MEASURED AT THE SUPPLY AIRFLOW MEASURING STATION. THE REHEAT COIL CONTROL VALVE SHALL BE CLOSED.  
 THE CONTROLLER SHALL ENABLE PERIMETER RADIATION CONTROLS WHEN THE O.A. TEMP DROPS BELOW 35°F (ADJ.). WHEN THE O.A. TEMP RISES ABOVE 40°F (ADJ.) PERIMETER RADIATION CONTROLS SHALL BE DISABLED.  
 AS SPACE TEMP DROPS BELOW SETPOINT AND THE DAMPER IS AT MINIMUM SCHEDULED CFM, THE CONTROLLER SHALL MODULATE THE PERIMETER RADIATION CONTROL VALVE OPEN AS REQUIRED TO MAINTAIN SPACE TEMP.  
 UPON A FURTHER FALL IN SPACE TEMPERATURE, THE REHEAT COIL CONTROL VALVE SHALL MODULATE OPEN TO MAINTAIN SPACE SETPOINT UNTIL THE SUPPLY AIR TEMPERATURE IS 15°F ABOVE ROOM TEMPERATURE SETPOINT.  
 UPON A FURTHER FALL IN SPACE TEMPERATURE, THE DAMPER SHALL OPEN TO MAINTAIN SETPOINT UNTIL THE AIRFLOW REACHES ITS MAXIMUM HEATING SETTING AS MEASURED AT THE SUPPLY AIRFLOW MEASURING STATION. THE REHEAT CONTROL VALVE SHALL CONTINUE TO MODULATE OPEN TO MAINTAIN MAXIMUM DELTA T LISTED ABOVE.  
**CO2 SENSOR-BASED DEMAND CONTROL VENTILATION:**  
 DURING OCCUPIED HOURS, THE FMCS SHALL RESET THE ZONE MINIMUM AIRFLOW SETTING BASED ON THE ZONE CO2 SENSOR INPUT SIGNAL.  
 WHEN THE ZONE CO2 SENSOR READS [OUTSIDE AIR CO2 LEVEL] PPM (ADJ.) PLUS 300 PPM (ADJ.) OR LESS, THE TAB MINIMUM AIRFLOW SETTING SHALL BE EQUAL TO THE MINIMUM SPECIFIED IN THE TAB SCHEDULE.  
 WHEN THE ZONE CO2 SENSOR IS AT THE CO2 SETPOINT IN THE TAB SCHEDULE OR HIGHER, THE TAB MINIMUM AIRFLOW SETTING SHALL BE EQUAL TO THE TAB MAXIMUM AIRFLOW SETTING SPECIFIED IN THE TAB SCHEDULE.  
 WHEN THE ZONE CO2 LEVEL IS BETWEEN [AMBIENT CO2 LEVEL] PPM + 300 PPM (ADJ.) AND THE ZONE CO2 SETPOINT, THE TAB MINIMUM AIRFLOW SHALL VARY PROPORTIONALLY BETWEEN THE SCHEDULED TAB MINIMUM AIRFLOW AND MAXIMUM AIRFLOW.  
**ALARMS, INTERLOCKS & SAFETIES:**  
 SEND AN ALARM TO THE FMCS OPERATOR INTERFACE IF THE SPACE TEMPERATURE IS MORE THAN 10°F (ADJ.) ABOVE OR BELOW SETPOINT.  
 SEND AN ALARM TO THE FMCS OPERATOR INTERFACE IF THE SPACE CO2 CONCENTRATION IS ABOVE THE SCHEDULED SETPOINT FOR MORE THAN 60 MINUTES (ADJ.).

**10 LOBBY ZONE CONTROL**  
 NO SCALE

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14-004-00  
 SHEET # M7.01-01  
 DESIGN DATE: 07/17/15

REVISION SCALE IN INCHES  
 0 1 2 3 4 5 6





ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

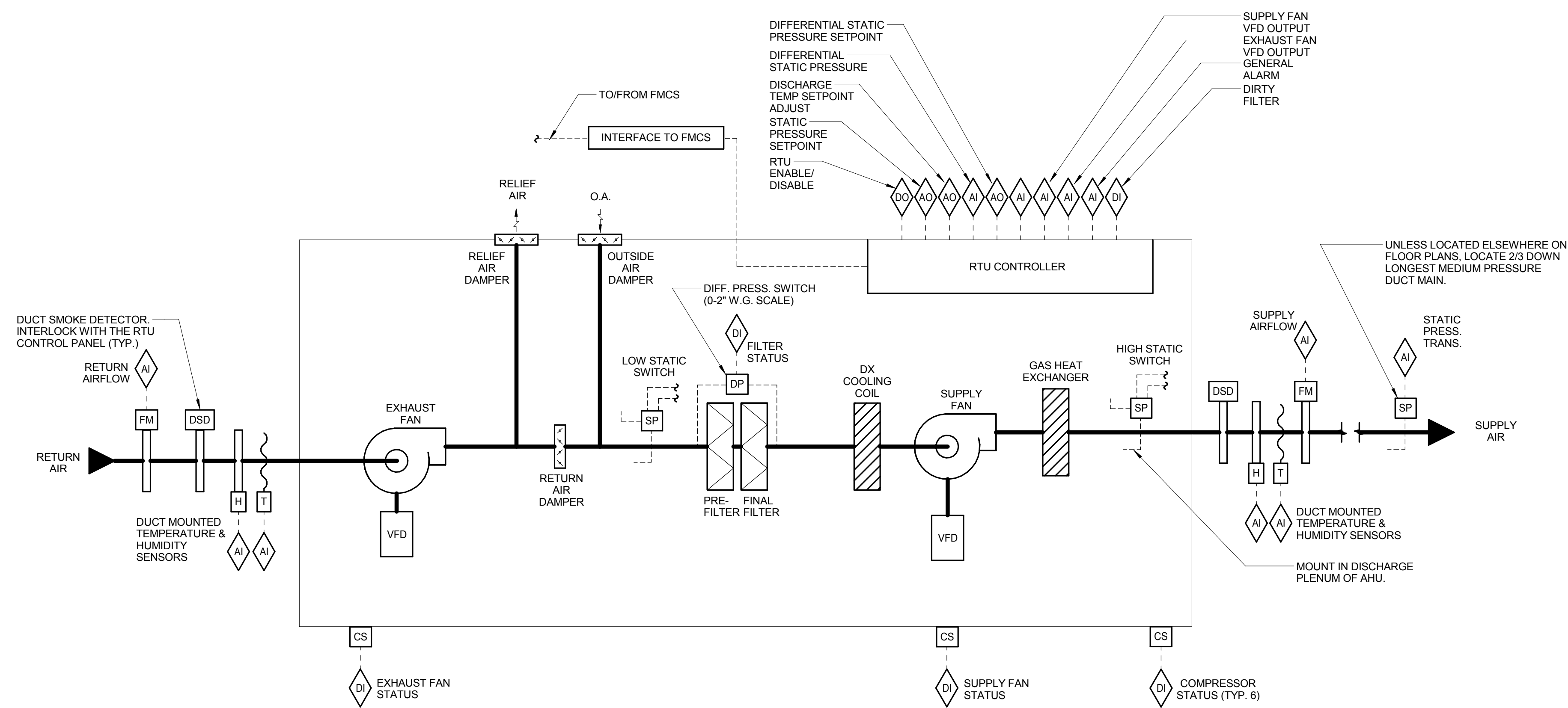
SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**CONTROL DIAGRAMS**

SHEET NUMBER:

**M7.02**



**RTU REPORT GENERATION:**  
 DDC FMCS SHALL MONITOR THE FOLLOWING POINTS ON 10 MINUTE (ADJ.) INTERVALS WITHIN A SINGLE TREND. THE TREND SHALL RUN FOR A 100-DAY (ADJ.) DURATION AT WHICH POINT THE NEWEST VALUES SHALL AUTOMATICALLY OVERWRITE THE OLDEST VALUES.

- DATE
- TIME
- GLOBAL OUTSIDE AIR TEMP [°F]
- GLOBAL OUTSIDE AIR DEWPOINT [°F]
- GLOBAL OUTSIDE AIR HUMIDITY [%RH]
- SUPPLY AIRFLOW [CFM]
- SUPPLY AIR TEMP [SAT] [°F]
- SUPPLY AIR RELATIVE HUMIDITY [%]
- RETURN AIRFLOW [CFM]
- RETURN AIR TEMP [°F]
- RETURN AIR RELATIVE HUMIDITY [%]
- SUPPLY DUCT STATIC PRESSURE SETPOINT [INCHES W.G.]
- SUPPLY FAN VFD OUTPUT [% FULL SPEED]
- RETURN FAN VFD OUTPUT [% FULL SPEED]
- OUTSIDE AIR DAMPER POSITION [% OPEN]
- RETURN AIR DAMPER POSITION [% OPEN]

THIS INFORMATION SHALL BE ACCESSIBLE TO VIEW IN GRAPHICAL FORM ON THE FMCS OPERATOR WORKSTATION.

ONCE PER MONTH THE DDC FMCS SHALL RECORD THE LARGEST AHU AIRFLOW WHICH OCCURRED DURING THAT MONTH. THE DATE, TIME, OUTSIDE AIR TEMP (AND ALL OTHER VALUES LISTED ABOVE) THAT COINCIDED WITH THAT EVENT SHALL ALSO BE RECORDED. THIS INFORMATION SHALL BE STORED TO A MEMORY LOCATION ON THE FMCS OPERATOR WORKSTATION THAT IS MAINTAINED (NOT AUTOMATICALLY OVERWRITTEN).

**ROOFTOP UNIT REPORT GENERATION**

**ROOFTOP UNIT SYSTEM DESCRIPTION:**  
 REFER TO SECTION 23.11 FOR A DESCRIPTION OF THE RTU. COORDINATE WITH THE SUBMITTED AND ACCEPTED EQUIPMENT MANUFACTURER FOR CONTROLS PROVIDED BY THE UNIT MANUFACTURER AND CONTROLS REQUIRED TO BE PROVIDED BY THE CONTRACTOR.

**SEQUENCE OF OPERATION:**  
 THE TCC SHALL EXTEND THE FMCS NETWORK TO THE RTU UNITARY CONTROLLER PER THE PROTOCOL SPECIFIED IN SECTION 23.09.00. THE TCC SHALL PROVIDE ALL ADDITIONAL CONTROL COMPONENTS REQUIRED TO ACCOMPLISH THE SEQUENCE OF OPERATION LISTED BELOW:

**WHEN RTU IS INDEXED TO RUN, THE FOLLOWING SHALL OCCUR:**

- SUPPLY FAN SHALL BE ENABLED TO RUN.
- WHEN THE SUPPLY FAN HAS STARTED THE UNIT EXHAUST FAN AND INTERLOCKED EXHAUST FANS SHALL START AS SHOWN IN THE FAN INTERLOCK SCHEDULE.

**BUILDING OCCUPANCY SCHEDULING:**  
 FMCS SHALL BE PROGRAMMED WITH THE FOLLOWING TENTATIVE OCCUPANCY SCHEDULE:

- MORNING START-UP MODE: MONDAY THROUGH FRIDAY - 5:00AM-8:00AM (ADJ.); SATURDAY THROUGH SUNDAY - 7:00AM-8:00AM (ADJ.)
- OCCUPIED MODE: MONDAY THROUGH FRIDAY - 8:00AM-9:00PM (ADJ.); SATURDAY THROUGH SUNDAY - 8:00AM-6:00PM (ADJ.)
- UNOCCUPIED MODE: MONDAY THROUGH FRIDAY - 9:00PM-5:00AM (ADJ.); SATURDAY THROUGH SUNDAY - 6:00PM-7:00AM (ADJ.)

**SUPPLY FAN CONTROL:**  
 RTU CONTROLLER SHALL MODULATE SIGNAL TO SUPPLY FAN VFD AS REQUIRED TO MAINTAIN DUCT STATIC PRESSURE AS MEASURED BY STATIC PRESSURE TRANSMITTER. RESET SUPPLY DUCT STATIC PRESSURE SETPOINT AS REQUIRED TO MAINTAIN AT LEAST ONE SUPPLY TAB DAMPER OR DUCT MOTOR OPERATED DAMPER 95% (ADJ.) OPEN. FMCS SHALL UTILIZE COMMAND TO ALL SUPPLY TERMINAL AIR BOX POSITIONS TO RESET THE SUPPLY DUCT DIFFERENTIAL STATIC PRESSURE.

**EXHAUST FAN CONTROL:**  
 EXHAUST FAN SHALL BE INDEXED TO RUN WHENEVER THE SUPPLY FAN IS INDEXED TO RUN. FMCS SHALL MODULATE SIGNAL TO RETURN FAN VFD AS REQUIRED TO MAINTAIN THE AIRFLOW OFFSET AS INDICATED IN THE RETURN FAN AIRFLOW SCHEDULE.

**DEMAND CONTROL VENTILATION:**  
 WHENEVER THE AIR HANDLING UNIT IS IN OCCUPIED MODE, THE OUTSIDE AIR DAMPER SHALL BE FULLY OPEN. THE RETURN AIR DAMPER SHALL MODULATE TO MAINTAIN THE LARGER OF THE MINIMUM OUTSIDE AIR FLOW RATE AS MEASURED AT THE OUTSIDE AIRFLOW MEASURING STATION, AND THE FLOW RATE NEEDED TO SATISFY THE ECONOMIZER DISCHARGE AIR SEQUENCE. THE MINIMUM OUTSIDE AIR FLOW RATE SHALL BE RESET AS FOLLOWS:

- DURING OCCUPIED MODE, THE MINIMUM OA FLOW RATE SHALL NOT FALL BELOW THE AMOUNT LISTED IN THE AHU SCHEDULE.
- IF ANY DCV ZONE HAS A CO2 CONCENTRATION ABOVE ITS SCHEDULED SETPOINT AND THAT ZONE'S TAB MINIMUM FLOW IS RESET TO ITS MAXIMUM FLOW RATE, THE MINIMUM OA SETPOINT SHALL INCREASE UNTIL THAT ZONE CO2 SETPOINT IS SATISFIED OR UNTIL THE DESIGN OCCUPIED OUTSIDE AIR FLOW ON THE AHU SCHEDULE IS REACHED.
- IF THE CRITICAL ZONE'S CO2 CONCENTRATION DROPS BELOW THE SCHEDULED CO2 SETPOINT, THE MINIMUM OUTSIDE AIR RATE SHALL BE RESET LOWER UNTIL THE CO2 CONCENTRATION REACHES ITS SETPOINT OR UNTIL THE AHU OUTSIDE AIR FLOW RATE REACHES THE MINIMUM OA RATE IN AHU SCHEDULE.

**DISCHARGE AIR TEMPERATURE CONTROL:**  
 DISCHARGE AIR TEMPERATURE SHALL BE 55°F (ADJ.). THE RTU CONTROLLER SHALL CONTROL THE UNIT COOLING AND HEATING COMPONENTS PER THE MANUFACTURER'S SEQUENCE OF OPERATIONS TO MAINTAIN THE DISCHARGE AIR SETPOINT.

**DISCHARGE AIR TEMPERATURE RESET:**

- RESET DISCHARGE AIR TEMPERATURE BASED ON THE ZONE WITH THE GREATEST CALL FOR COOLING. RESET THE TEMPERATURE AS FOLLOWS:
- WHEN WORST CASE TAB OR DUCT MOTOR OPERATED DAMPER IS OPEN ABOVE 90% (ADJ.) FOR TEN MINUTES (ADJ.) THEN THE DISCHARGE AIR TEMPERATURE SHALL RAISE BY 1°F (ADJ.). THIS SHALL CONTINUE UNTIL RTU MAXIMUM DISCHARGE AIR TEMPERATURE OF 60°F (ADJ.) IS ACHIEVED.
- WHEN WORST CASE TAB OR DUCT MOTOR OPERATED DAMPER IS OPEN BELOW 90% (ADJ.) FOR TEN MINUTES (ADJ.) THEN THE DISCHARGE AIR TEMPERATURE SHALL DROP BY 1°F (ADJ.). THIS SHALL CONTINUE UNTIL RTU MINIMUM DISCHARGE AIR TEMPERATURE OF 55°F (ADJ.) IS ACHIEVED.
- THE MAXIMUM RETURN AIR HUMIDITY SETPOINT SHALL BE 60% (ADJ.) IF RETURN AIR HUMIDITY IS GREATER THAN SETPOINT, RESET DISCHARGE AIR TEMPERATURE TO 55°F UNTIL RETURN AIR HUMIDITY IS 6% LESS THAN MAXIMUM SETPOINT.

**USER TOGGLE - STATIC PRESSURE AND DISCHARGE AIR TEMPERATURE RESETS:**  
 PROVIDE USER WITH OPTION TO USE EITHER STATIC PRESSURE RESET OR DISCHARGE AIR TEMPERATURE RESET. ONLY ONE CONTROL OPTION SHALL BE USED AT A TIME. GRAPHIC ON AHU SCREEN SHALL ALLOW USER TO TOGGLE FROM EITHER TEMPERATURE OR STATIC PRESSURE RESET.

**ECONOMIZER OPERATION:**  
 THE RTU CONTROLLER SHALL ENABLEDISABLE ECONOMIZER OPERATION AND CONTROL THE UNIT DURING ECONOMIZER OPERATION PER THE MANUFACTURER'S SEQUENCE OF OPERATIONS.

**FIELDHOUSE RTU-2, 3 AND 4 STAGING:**  
 ROOFTOP UNITS 2, 3 AND 4 SUPPLY AIR TO A COMMON DUCTWORK SYSTEM TO CONDITION 2 ZONES WITHIN THE FIELDHOUSE. STAGING OF THESE UNITS SHALL BE PER THE FOLLOWING SEQUENCE OF OPERATION:

- THE FMCS SHALL ENABLEDISABLE RTUS ON A FIRST ON/FIRST OFF BASIS TO EQUALIZE RUNTIME BETWEEN THE UNITS.
- A MINIMUM OF 1 RTU SHALL ALWAYS BE ENABLED. WHEN THE OPERATING UNIT(S) SUPPLY FAN VFD SPEED REACHES 55 HERTZ THE FMCS SHALL ENABLE AN ADDITIONAL RTU. WHEN AN ADDITIONAL RTU IS ENABLED THE FMCS SHALL MODULATE THE SUPPLY FAN SPEED OF THE OPERATING RTU(S) LOWER WHILE SIMULTANEOUSLY MODULATING THE SUPPLY FAN SPEED OF THE ADDITIONAL RTU UP/UP UNTIL THEY REACH THE SAME SPEED. AT THAT POINT THE FMCS SHALL MODULATE THE SUPPLY FAN SPEED OF ALL OPERATING UNITS SIMULTANEOUSLY TO MEET THE MAIN SEQUENCE OF OPERATION ON THIS SHEET.
- WHILE SUPPLY FANS ARE MODULATING THE RETURN FANS FOR EACH UNIT SHALL OPERATE PER THE MAIN SEQUENCE OF OPERATION ON THIS SHEET.
- WHEN AN ADDITIONAL UNIT IS ENABLED THE DUCT STATIC PRESSURE SHALL BE IGNORED UNTIL ALL MODULATING SUPPLY FANS HAVE REACHED THE SAME SPEED AND ARE UNDER SIMULTANEOUS MODULATING CONTROL.
- WHEN THE VFD SPEED OF THE OPERATING UNITS REACHES 30 HERTZ AN OPERATING UNIT SHALL BE DISABLED. WHEN AN OPERATING UNIT IS DISABLED THE REMAINING ENABLED UNIT(S) SHALL OPERATE PER THE MAIN SEQUENCE OF OPERATION ON THIS SHEET.

**ALARMS, INTERLOCKS, AND SAFETIES:**  
 WHEN FIRE ALARM CONTROL PANEL INDICATES AN ALARM CONDITION THE RTU SHALL BE SHUTDOWN.

THE FOLLOWING CONDITIONS SHALL SHUTDOWN THE RTU AND SHALL INDICATE AN ALARM CONDITION AT THE FMCS WORKSTATION:

- LOW STATIC PRESSURE SWITCH INDICATES UNIT CABINET PRESSURE LESS THAN THE UNIT CASING DESIGN PRESSURE (CONFIRM PRESSURE SETPOINT WITH THE RTU MANUFACTURER).
- HIGH STATIC PRESSURE SWITCH INDICATES SUPPLY DUCT STATIC PRESSURE GREATER THAN THE SPECIFIED DUCT PRESSURE CLASS.
- THE SUPPLY FAN IS COMMANDED TO RUN AND CURRENT STATUS SENSOR INDICATES INSUFFICIENT CURRENT FLOW.
- THE EXHAUST FAN IS COMMANDED TO RUN AND CURRENT STATUS SENSOR INDICATES INSUFFICIENT CURRENT FLOW.

THE FOLLOWING CONDITIONS SHALL INDICATE AN ALARM AT THE FMCS, HOWEVER RTU SHALL CONTINUE TO OPERATE:

- AN ALARM IS INDICATED AT ANY SUPPLY FAN VFD OR RETURN FAN VFD.
- DIFFERENTIAL PRESSURE SWITCH ACROSS THE COMBINATION FILTER BANK EXCEEDS 1.25 INCHES W.G. PLUS THE TOTAL OF THE INITIAL PRE AND FINAL FILTER PRESSURE DROPS (ADJ.).
- SEND AN ALARM TO THE FMCS OPERATOR INTERFACE IF THE DISCHARGE AIR TEMPERATURE IS MORE THAN 5°F (ADJ.) ABOVE OR BELOW SETPOINT.

**WHENEVER RTU IS SHUTDOWN THE FMCS SHALL COMMAND THE FOLLOWING TO OCCUR:**

- SUPPLY FAN AND EXHAUST FAN SHALL STOP.
- OUTSIDE AIR AND RELIEF AIR DAMPERS SHALL FULLY CLOSE. THE RETURN AIR DAMPER SHALL FULLY OPEN.
- HEATING AND COOLING SHALL BE DISABLED.

**MORNING START-UP OPERATION:**

- THE FMCS SHALL MEASURE EACH OF THE SPACE TEMPERATURES AND OUTSIDE AIR TEMPERATURE TO DETERMINE THE MINIMUM RUNTIME TO WARM THE SPACES TO THEIR SETPOINT.
- WHEN THE COMPUTED START TIME IS REACHED THE FMCS SHALL ENABLE THE RTU.
- RESET ALL SPACE TEMP SETPOINTS TO OCCUPIED SPACE TEMPERATURE SETPOINTS.
- THE RETURN AIR DAMPER SHALL BE OPEN AND THE OUTSIDE AIR AND RELIEF AIR DAMPERS SHALL REMAIN CLOSED.

**UN-OCCUPIED MODE OPERATION:**

- RTU SHALL BE DISABLED. SUPPLY FAN AND RETURN FAN SHALL BE ENABLED TO OPERATE INTERMITTENTLY WHEN ANY SPACE TEMPERATURE DROPS BELOW 55°F (ADJ.) OR EXCEEDS 85°F (ADJ.). THE RTU SHALL TURN ON AND OPERATE UNTIL ALL SPACES EXCEED 65°F (ADJ.) OR DROP BELOW 75°F (ADJ.).
- OUTSIDE AIR AND RELIEF AIR DAMPER SHALL REMAIN CLOSED. RETURN AIR DAMPER SHALL BE 100% OPEN.

**GRAPHICAL DISPLAY:**  
 DISPLAY THE GLOBAL OUTSIDE AIR TEMPERATURE AND HUMIDITY ON AHU GRAPHIC PAGE.

**RETURN FAN AIRFLOW SCHEDULE**

SYSTEM	SUPPLY CFM	EXHAUST FANS	PRESSURIZATION CFM	REMARKS
RTU-1	24,870	EF-1 AND EF-2	1,420	NOTES 1,2,3
RTU-2,3,4	27,500	NONE	1,375	NOTES 1,2,3
RTU-5	28,770	EF-3	2,715	NOTES 1,2,3

**NOTES:**

1. RETURN FAN AIRFLOW SETPOINT SHALL BE THE SUPPLY FAN AIRFLOW (AS MEASURED BY THE AFMS) MINUS THE SUM OF THE EXHAUST FAN AIRFLOWS MINUS THE PRESSURIZATION CFM
2. FMCS SHALL DETERMINE THE OPERATIONAL STATUS OF EACH EXHAUST FAN VIA THE CURRENT SENSING RELAY TO DETERMINE WHETHER THE CFM ASSOCIATED WITH THAT FAN SHOULD BE INCLUDED IN THE RETURN FAN AIRFLOW CALCULATION.
3. EXHAUST FAN AIRFLOWS SHALL NOT BE THE CFM INDICATED ON THE FAN SCHEDULE, BUT SHALL BE THE AIRFLOW INDICATED IN THE FINAL TAB REPORT.

**AHU OUTSIDE AIR FLOW RATE SCHEDULE**

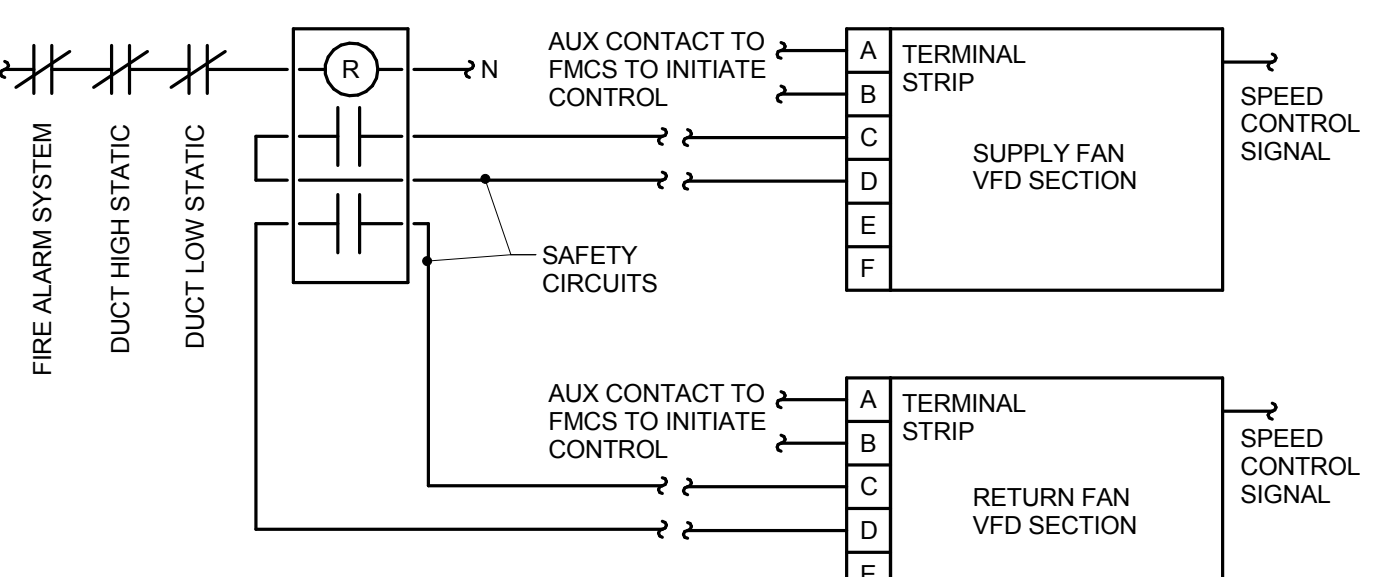
SYSTEM	HIGH MINIMUM OUTSIDE AIR FLOW RATE (CFM)	LOW MINIMUM OUTSIDE AIR FLOW RATE (CFM)
RTU-1	NOT APPLICABLE (NO CO2 ZONES)	###
RTU-2	###	###
RTU-3	###	###
RTU-4	###	###
RTU-5	###	###

**FAN INTERLOCK SCHEDULE**

SYSTEM	INTERLOCKED EXHAUST FANS	REMARKS
RTU-1	EF-1, EF-2	NOTE 1
RTU-5	EF-3	NOTE 1

**NOTES:**

1. INTERLOCK EXHAUST FAN OPERATION THROUGH THE FMCS WITH RESPECTIVE RTU IN ACCORDANCE WITH RTU SEQUENCE OF OPERATION.



**SUPPLY & RETURN FAN VFD CONTROL**

**1 ROOFTOP UNIT CONTROL: RTU-1 THROUGH RTU-5**  
 NO SCALE

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM  
 PROJECT #: 14044.00  
 © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

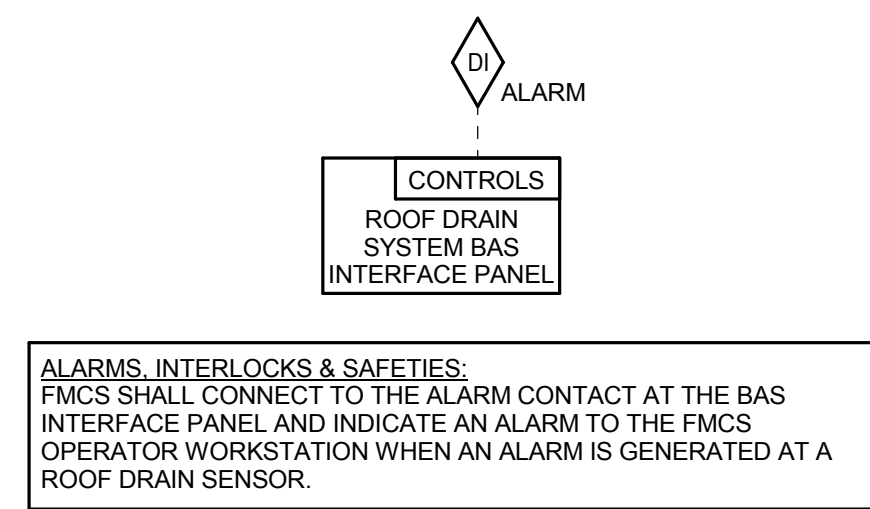
SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

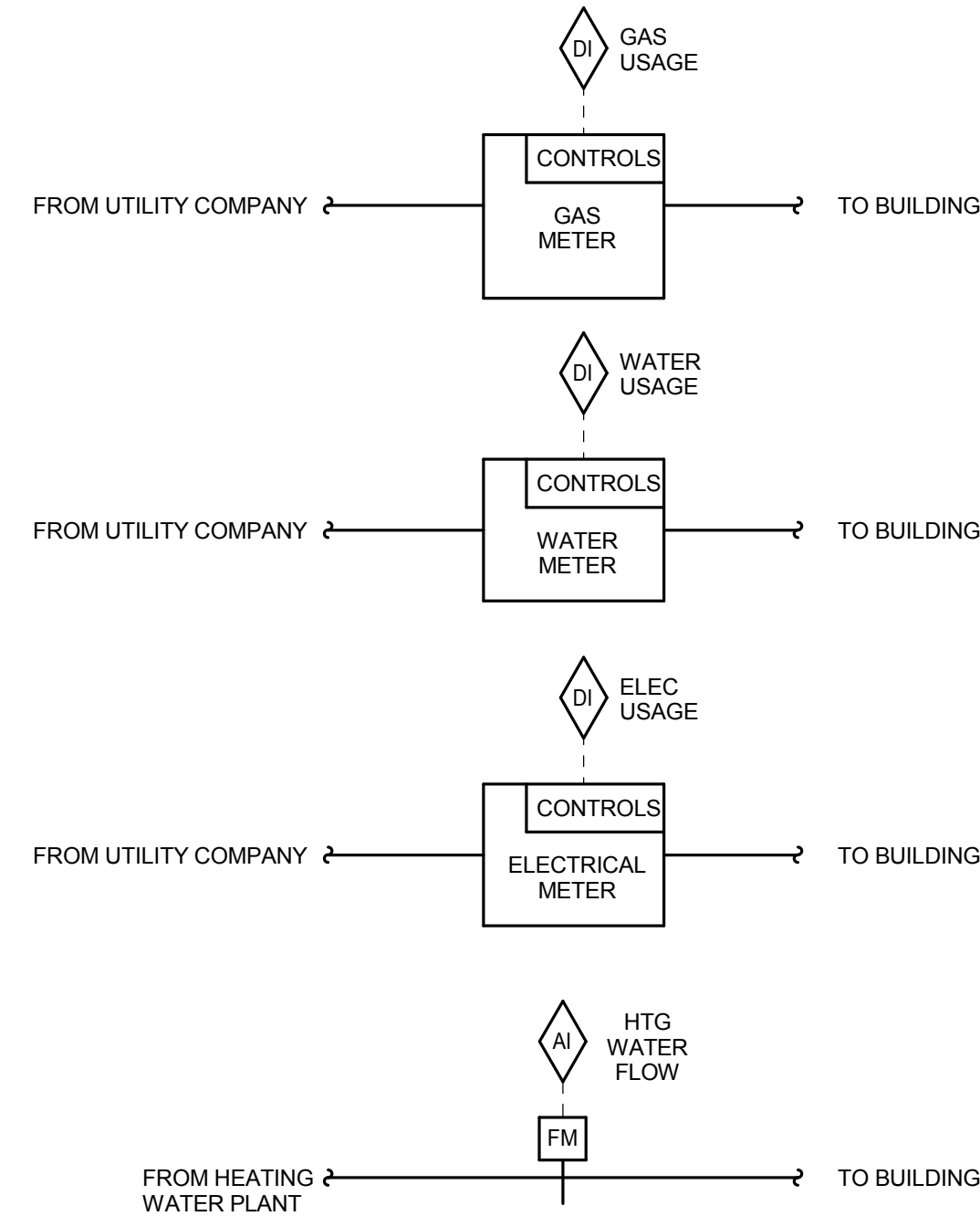
SHEET TITLE:  
**CONTROL DIAGRAMS**

SHEET NUMBER:  
**M7.03**

**1 SECONDARY ROOF DRAIN SENSOR MONITORING**  
 12" = 1'-0"



**2 UTILITY METERING CONTROL**  
 NO SCALE



**SEQUENCE OF OPERATION:**  
 GENERAL:  
 THE UTILITIES ARE METERED THROUGH THE BAS VIA THE FMCS.

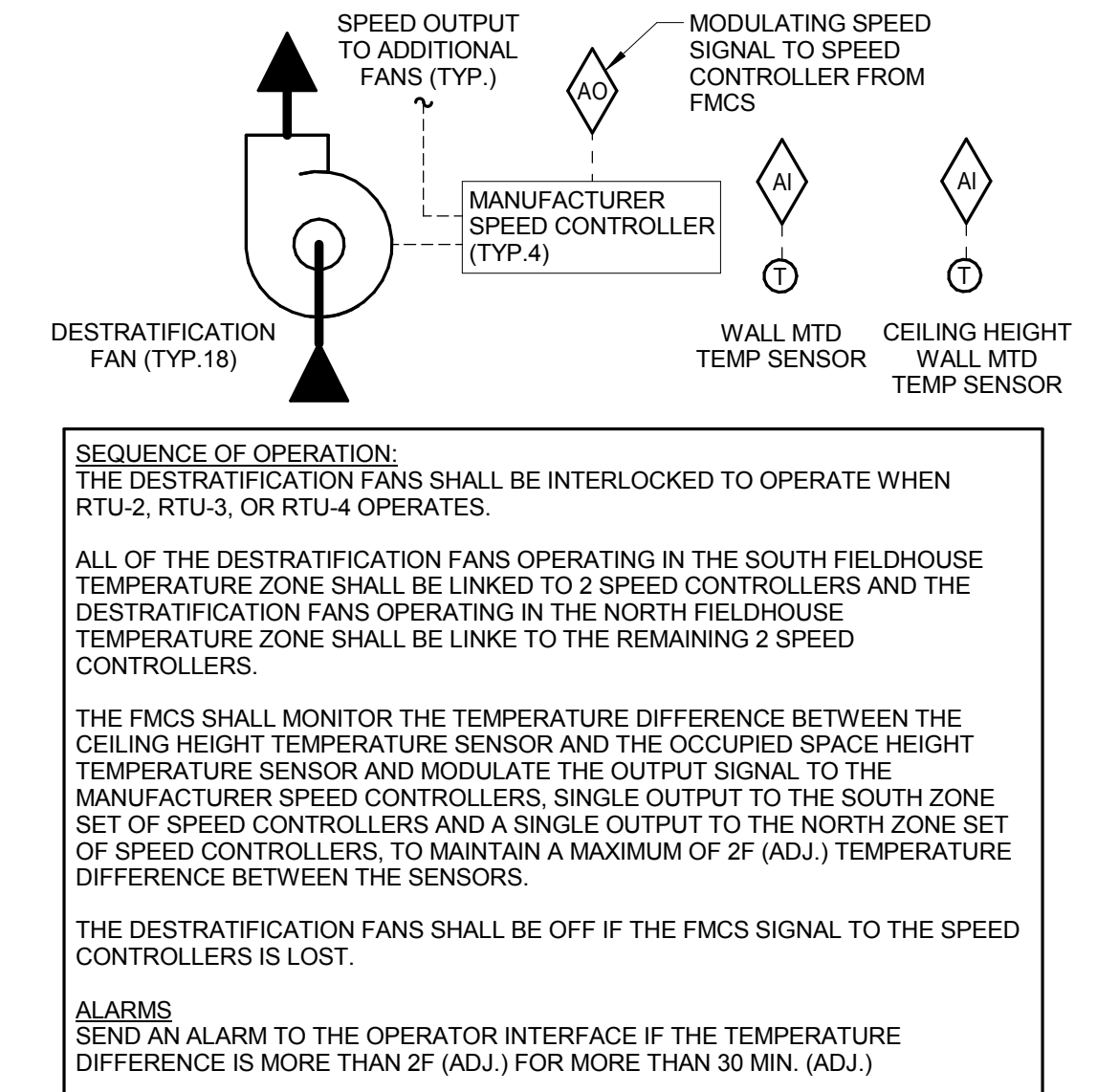
**UTILITY METERING CONTROL:**

- GAS METERING: PROVIDE GAS CONNECTABLE METER PER THE DRAWINGS AND SPECIFICATIONS. CONNECT THE FMCS TO THE GAS METER TO PROVIDE GAS CONSUMPTION INFORMATION.
- WATER METERING: PROVIDE GAS CONNECTABLE METER PER THE DRAWINGS AND SPECIFICATIONS. CONNECT THE FMCS TO THE WATER METER TO PROVIDE WATER USAGE INFORMATION.
- ELECTRIC METERING: CONNECT THE FMCS TO THE ELECTRICAL METER FOR ELECTRICAL USAGE INFORMATION.
- HYDRONIC HEATING WATER METERING: PROVIDE ENERGY FLOW METER PER THE DRAWINGS AND SPECIFICATIONS TO CALCULATE HYDRONIC SYSTEM ENERGY USE. ALL ENERGY FLOW METERS SHALL BE MONITORED BY THE FMCS.

**UTILITY METERING REPORT GENERATION:**

- FMCS SHALL MONITOR THE FOLLOWING POINTS ON 5 MINUTE (ADJ.) INTERVALS WITHIN A SINGLE TREND. THE TREND SHALL RUN FOR A 100-DAY (ADJ.) DURATION AT WHICH POINT THE NEWEST VALUES SHALL OVERWRITE THE OLDEST VALUES.
  - DATE
  - TIME
  - GLOBAL OUTSIDE AIR TEMP. (°F)
  - GLOBAL OUTSIDE AIR RELATIVE HUMIDITY. (%)
  - GAS USE (THERMS)
  - WATER USE (GALLONS)
  - ELECTRICAL USE (KW)
  - HEATING SYSTEM LOAD (KW)
- THIS INFORMATION SHALL BE ACCESSIBLE TO VIEW IN EITHER TABULAR OR GRAPHICAL FORM ON THE FMCS OPERATOR INTERFACE.
- ONCE PER MONTH, THE FMCS SHALL RECORD THE LARGEST GAS USE (IN KW), WATER USE (IN LITERS), AND ELECTRICAL USE (IN KW) WHICH OCCURRED DURING THAT MONTH. THE DATE AND TIME THAT COINCIDED WITH THAT EVENT SHALL ALSO BE RECORDED. THIS INFORMATION SHALL BE STORED TO A MEMORY LOCATION ON THE FMCS OPERATOR INTERFACE THAT IS MAINTAINED (NOT AUTOMATICALLY OVERWRITTEN). THE HEATING SYSTEM LOADS ARE DESCRIBED UNDER THEIR SPECIFIC REPORT GENERATION DESCRIPTION.

**3 DESTRATIFICATION FAN CONTROL**  
 NO SCALE



**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

PROJECT # 14-004-00

MEP/FP Design Firm Registration #18-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



**PLUMBING FIXTURE ROUGH-IN SCHEDULE**

FIXTURE DESCRIPTION	DOMESTIC CW (NOTE 3)	DOMESTIC HW (NOTE 3)	SANITARY (NOTE 3)	VENT (NOTE 3)	NOTES
WATER CLOSET	1"	-	4"	2"	(FLUSH VALVE)
URINAL	3/4"	-	2"	1 1/2"	(FLUSH VALVE - WASHDOWN)
LAVATORY	1/2"	1/2"	1 1/4"	1 1/4"	NOTE 1 & 2
SINK	1/2"	1/2"	1 1/2"	1 1/2"	NOTE 1 & 2
MOP BASIN	3/4"	3/4"	3"	1 1/2"	-
SHOWER	1/2"	1/2"	2"	1 1/2"	NOTE 2
FLOOR DRAIN	-	-	4"	2"	-
DRINKING FOUNTAIN	1/2"	-	1 1/2"	1 1/4"	NOTE 1 & 2
HOSE BIBB	3/4"	-	-	-	-

NOTES:  
 1. SANITARY RISER UP IN WALL TO FIXTURE SHALL BE A MINIMUM OF 2".  
 2. 1/2" CW AND HW APPLIES TO THE FINAL VERTICAL RISE/DROP TO EACH FIXTURE. BRANCH PIPING TO VERTICAL RISE/DROP SHALL BE A MINIMUM OF 3/4" UNLESS NOTED OTHERWISE.  
 3. SIZES SHOWN ARE MINIMUMS. SIZES SHOWN ON THE DRAWING THAT ARE LARGER THAN THE SIZES LISTED IN THE SCHEDULE SHALL DICTATE THE ROUGH-IN SIZE.

**PLUMBING GENERAL NOTES**

- DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT ACTUAL INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF ALL PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
- DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. READ ALL SPECIFICATIONS. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.
- LAYOUT AND COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH ANY FABRICATION OR EQUIPMENT ORDERS.
- CONTRACTOR IS RESPONSIBLE FOR REVIEW OF SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKING REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.
- ANY CHANGES THAT ARE REQUIRED TO ELIMINATE CONFLICTS AND RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO THE OWNER.
- CAULK ALL PIPE THROUGH FULL HEIGHT NON FIRE RATED WALLS, PARTITIONS, FLOORS, AND ROOF ASSEMBLIES. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN THE ROOMS.
- WHERE PIPES ARE SHOWN TO PENETRATE FLOORS, PROVIDE SLEEVED OPENINGS WITH THE TOP EDGE RAISED ABOVE FLOOR SURFACE IN ACCORDANCE WITH SECTION 23 05 29. SEAL SLEEVE PERIMETER TO BE WATER-TIGHT.

**FIRE BARRIER DESIGNATIONS**

THE SYMBOLS SHOWN ARE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY RATINGS WITH THE LATEST SET OF ARCHITECTURAL PLANS AND FURNISH ALL MATERIALS REQUIRED TO COMPLY WITH THOSE RATINGS WHETHER SHOWN OR NOT.

ALL FLOOR, FLOOR CEILING, AND ROOF CEILING ASSEMBLIES SHALL BE DESIGNATED AS 1 AND 2 HOUR FIRE BARRIER(S), UNLESS NOTED OTHERWISE ON THE PLANS.

1 HOUR FIRE BARRIER	-----
2 HOUR FIRE BARRIER	-----

**PLUMBING SYMBOLS LIST**

SYMBOL:	DESCRIPTION:
---	NEW
—CW—	COLD WATER - POTABLE
—HW—	HOT WATER - POTABLE
—HWC—	HOT WATER CIRCULATING - POTABLE
—HW140—	HOT WATER - POTABLE NO. INDICATES TEMP.
—HW140C—	HOT WATER CIRC. - POTABLE NO. INDICATES TEMP.
—PD—	PUMPED DISCHARGE
—SAN—	SANITARY DRAINAGE
—ST(1,000)—	STORM DRAINAGE (ROOF SQUARE FOOTAGE)
—STS—	STORM DRAINAGE (SECONDARY)
—V—	VENT
—W—	SERVICE WATER - POTABLE
—SCW—	SOFTENED COLD WATER
—	PIPE CAP
—	PIPE DOWN
—	PIPE UP OR UP/DOWN
—	PIPE SERVING FIXTURE ON FLOOR ABOVE (EXAMPLE: FD = FLOOR DRAIN)
—	PITCH PIPE IN DIRECTION
—	DIRECTION OF FLOW IN PIPE
RD:1 (1000)	ROOF DRAIN PROPERTIES SYMBOL SIZE (ROOF SQ. FT.)
—	NEW CONNECTION
—	UNION/FLANGE
—	SHUTOFF VALVE NORMALLY OPEN
—	SHUTOFF VALVE NORMALLY CLOSED
—	BALANCING VALVE (NO. INDICATES GPM)
—	CHECK VALVE
—	REDUCER - REFERENCE SPECIFICATION FOR CONCENTRIC/ECCENTRIC AND FOT/FOB
—	METER
BFP	BACKFLOW PREVENTER
C.C.	CIVIL CONTRACTOR
CO	CLEANOUT
DF	DRINKING FOUNTAIN
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
HB	HOSE BIBB
I.E.	INVERT ELEVATION (FOR REFERENCE ONLY)
LAV	LAVATORY
MB	MOP BASIN
MV	MIXING VALVE
P.C.	PLUMBING CONTRACTOR
RD	ROOF DRAIN
SCW	SOFTENED COLD WATER
SH	SHOWER
VTR	VENT THROUGH ROOF
WCO	WALL CLEANOUT
WH	WATER HEATER
YCO	YARD CLEANOUT
WS	WATER SOFTNER
—	CONTINUATION
—	CLEAN OUT
—	BACKFLOW PREVENTER
—	"WYE" - STRAINER
—	TEMPERATURE AND PRESSURE RELIEF
LI	LINE INTERCEPTOR
F.P.C.	FIRE PROTECTION CONTRACTOR
—	THERMOMETER WITH WELL (FILLED TYPE)
—	THERMOMETER WITH WELL (DIAL TYPE)
—	PRESSURE/TEMPERATURE TEST PLUG

**PLUMBING SHEET INDEX**

P0.00	PLUMBING COVER SHEET
P1.01	UNDER FLOOR PLAN - AREA 1 - PLUMBING
P1.02	UNDER FLOOR PLAN - AREA 2 - PLUMBING
P1.03	UNDER FLOOR PLAN - AREA 3 - PLUMBING
P1.11	LEVEL 1 PLAN - AREA 1 - PLUMBING
P1.12	LEVEL 1 PLAN - AREA 2 - PLUMBING
P1.13	LEVEL 1 PLAN - AREA 3 - PLUMBING
P1.21	LEVEL 2 PLAN - AREA 1 - PLUMBING
P1.22	LEVEL 2 PLAN - AREA 2 - PLUMBING
P1.23	LEVEL 2 PLAN - AREA 3 - PLUMBING
P1.31	ROOF PLAN - AREA 1 - PLUMBING
P1.32	ROOF PLAN - AREA 2 - PLUMBING
P1.33	ROOF PLAN - AREA 3 - PLUMBING
P1.40	ALTERNATE 1 PLANS - PLUMBING
P1.41	ALTERNATE 2 PLANS - PLUMBING
P1.42	ALTERNATE 3 PLANS - PLUMBING
P3.00	ENLARGED PLANS - PLUMBING
P3.01	ENLARGED PLANS - PLUMBING
P3.02	ENLARGED PLANS - PLUMBING
P4.00	PLUMBING DETAILS
P4.01	PLUMBING DETAILS
P5.00	PLUMBING MATERIAL LIST

**KJW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.627.2320 FAX: 630.627.2321  
 WWW.KJW.COM  
 PROJECT # 140464.00  
 DESIGN FIRM REGISTRATION #18-08073

**KJW ENGINEERING** RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJW ENGINEERING. © 2015 KJW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD, SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 7/17/15  
**BID PACKAGE 2**  
**ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**PLUMBING COVER SHEET**

SHEET NUMBER:  
**P0.00**

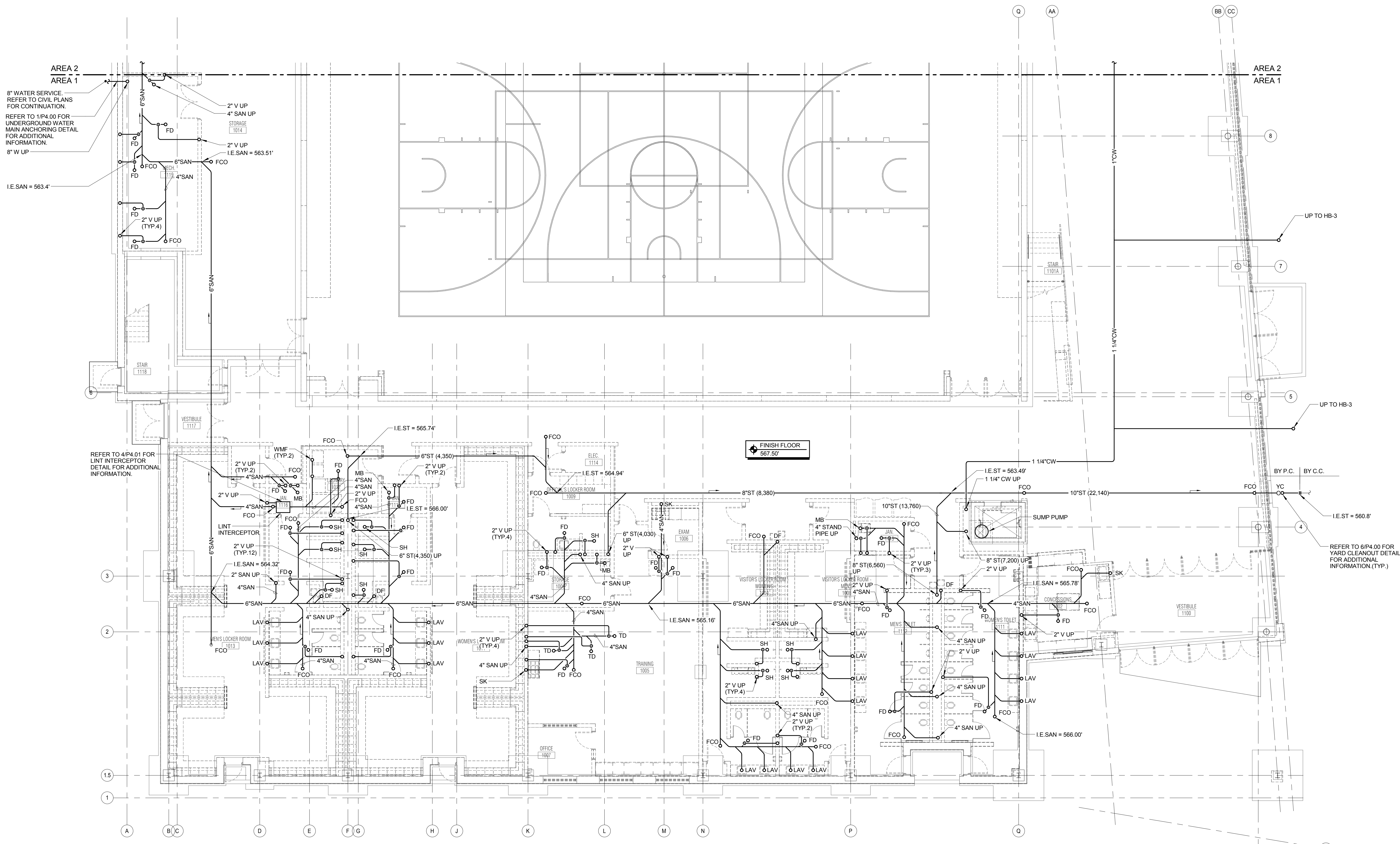
**GENERAL PLUMBING NOTES**  
 1. ALL SANITARY PIPES SHALL BE MINIMUM OF 4" UNLESS NOTED OTHERWISE.



ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600



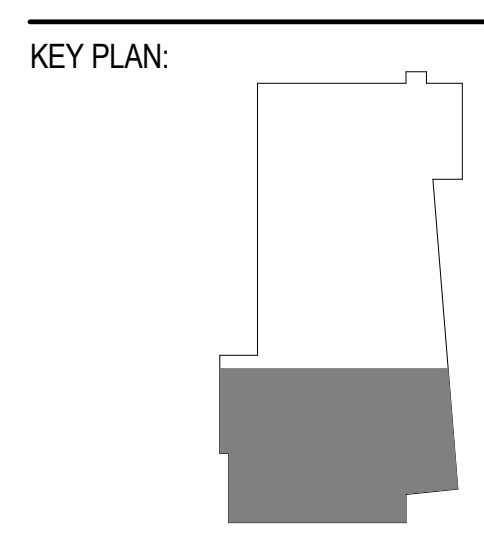
AREA 2  
 AREA 1  
 8" WATER SERVICE - REFER TO CIVIL PLANS FOR CONTINUATION.  
 REFER TO 1/P4.00 FOR UNDERGROUND WATER MAIN ANCHORING DETAIL FOR ADDITIONAL INFORMATION.  
 6" W UP  
 I.E. SAN = 563.4'

REFER TO 4/P4.01 FOR LINT INTERCEPTOR DETAIL FOR ADDITIONAL INFORMATION.

REFER TO 6/P4.00 FOR YARD CLEANOUT DETAIL FOR ADDITIONAL INFORMATION (TYP.)

**1 UNDER FLOOR PLAN - AREA 1 - PLUMBING**  
 1/8" = 1'-0"

**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



SHEET STATUS: 7/17/15  
**BID PACKAGE 2**  
**ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**UNDER FLOOR PLAN**  
**- AREA 1 - PLUMBING**

SHEET NUMBER:  
**P1.01**

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14044.00  
 DESIGNER: [Signature]  
 CHECKER: [Signature]  
 DATE: 7/17/15

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.





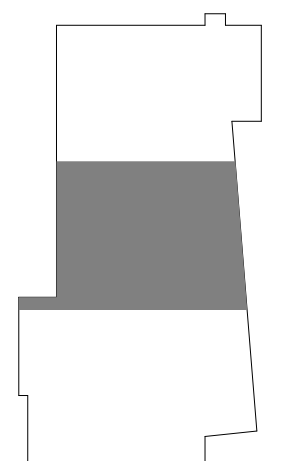
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

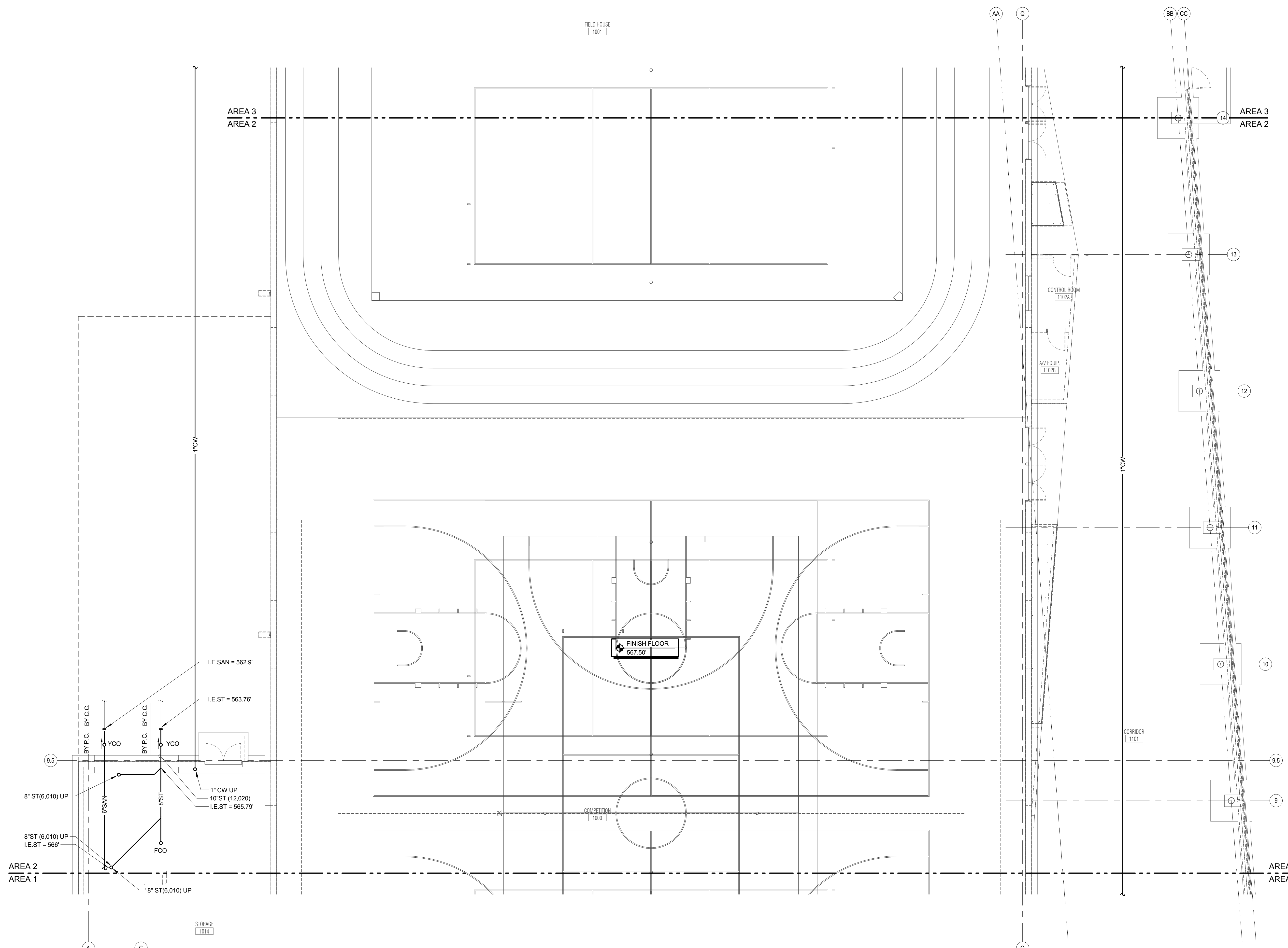


SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

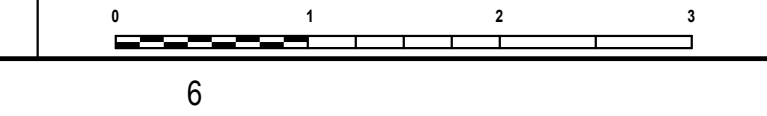
SHEET TITLE:  
**UNDER FLOOR PLAN  
 - AREA 2 - PLUMBING**

SHEET NUMBER:  
**P1.02**



**1 UNDER FLOOR PLAN - AREA 2 - PLUMBING**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14-004-00  
 DESIGN FIRM REGISTRATION # 15A-00073  
 KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.



**GENERAL PLUMBING NOTES**  
 1. ALL SANITARY PIPES SHALL BE MINIMUM OF 4" UNLESS NOTED OTHERWISE.

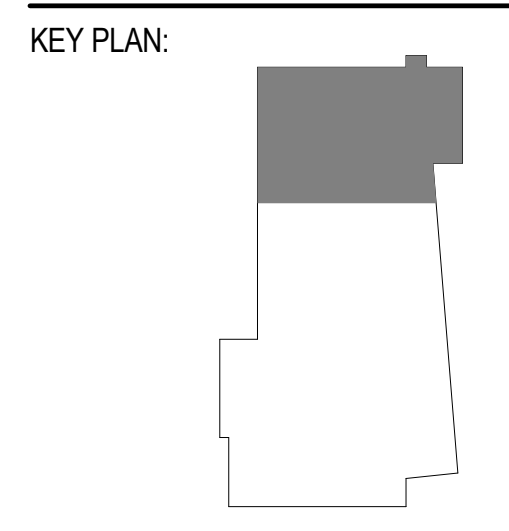


ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

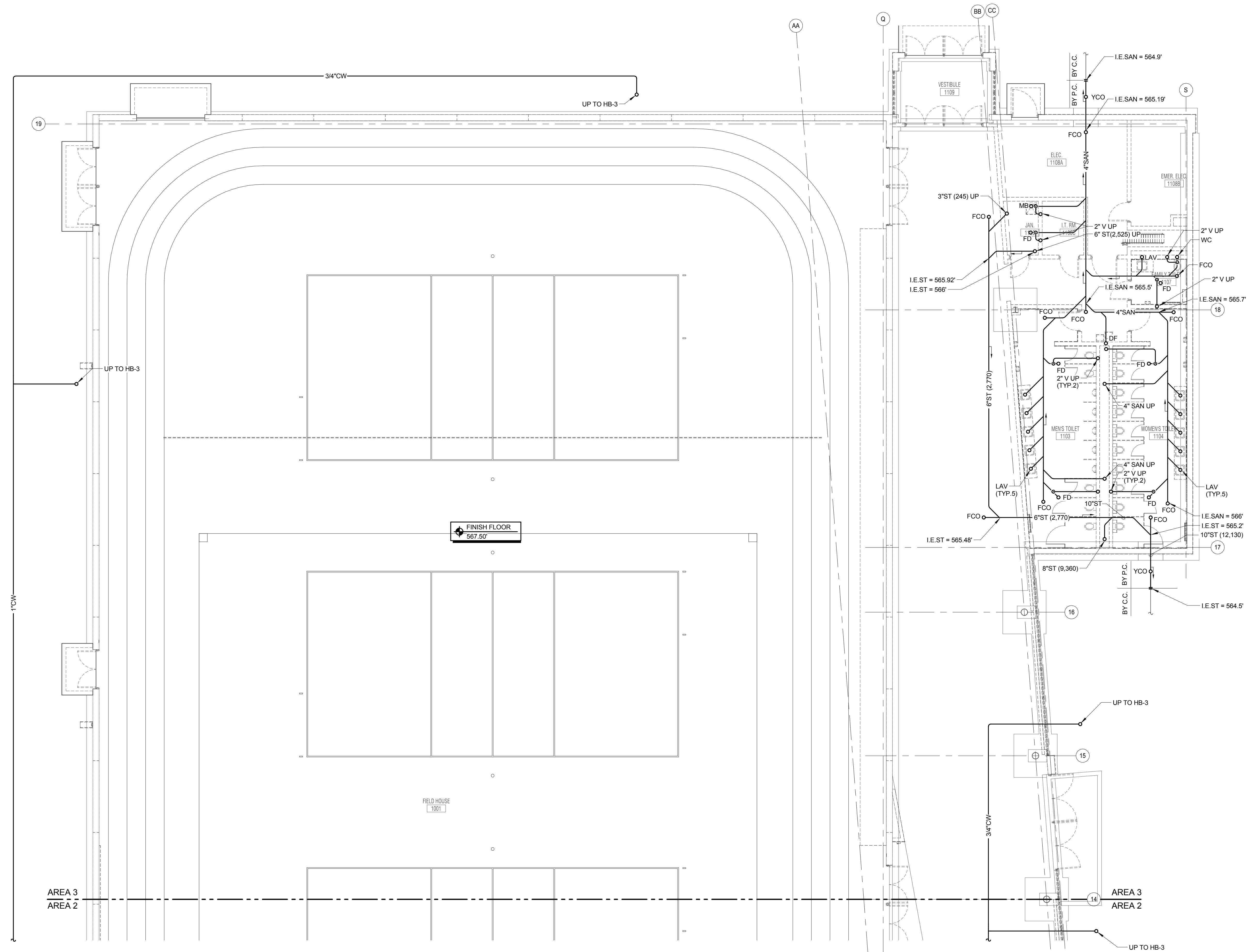


SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**UNDER FLOOR PLAN  
 - AREA 3 - PLUMBING**

SHEET NUMBER:  
**P1.03**



**1 UNDER FLOOR PLAN - AREA 3 - PLUMBING**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM  
 PROJECT # 14044.00  
 DESIGN FIRM REGISTRATION #18-08073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



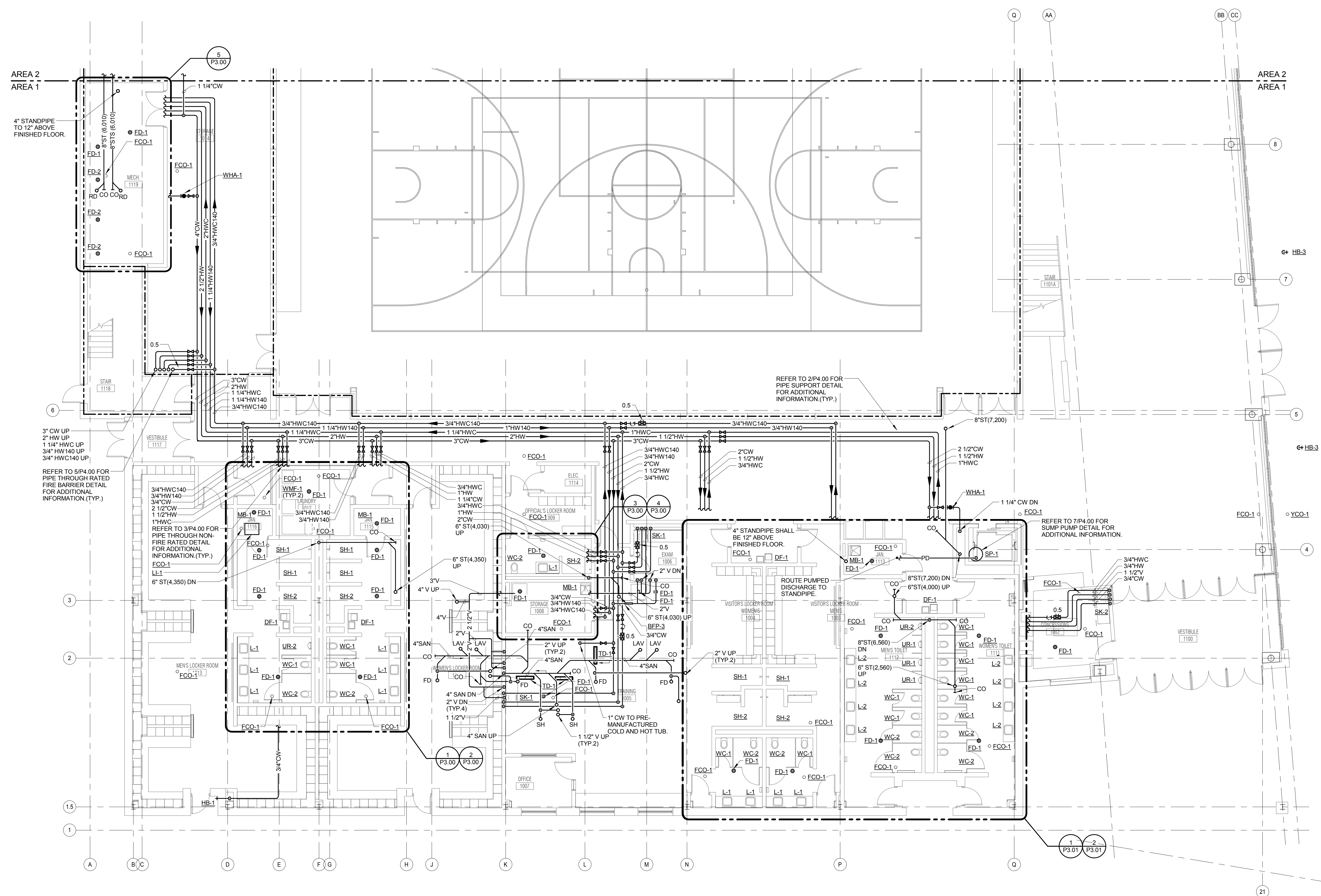


ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

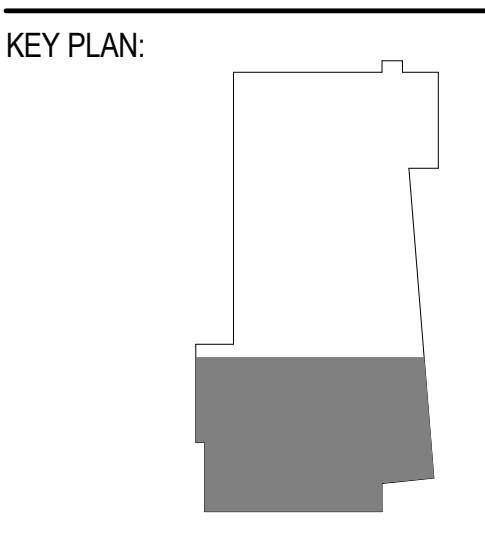
CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

- GENERAL PLUMBING NOTES**
1. HWC PIPING SHALL CONNECT WITHIN 3 FEET OF HW PIPING CONNECTION TO FIXTURE.
  2. BRANCH PIPING TO VERTICAL DROP SHALL BE MINIMUM OF 3/4" UNLESS NOTED OTHERWISE.



**1 LEVEL 1 PLAN - AREA 1 - PLUMBING**  
 1/8" = 1'-0"

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1 PLAN - AREA  
 1 - PLUMBING**

SHEET NUMBER:

**P1.11**

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**REG. PROFESSIONAL ENGINEER**  
 PROJECT # 14054-00  
 DESIGN FIRM REGISTRATION #18-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



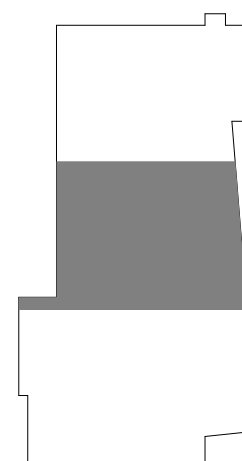
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

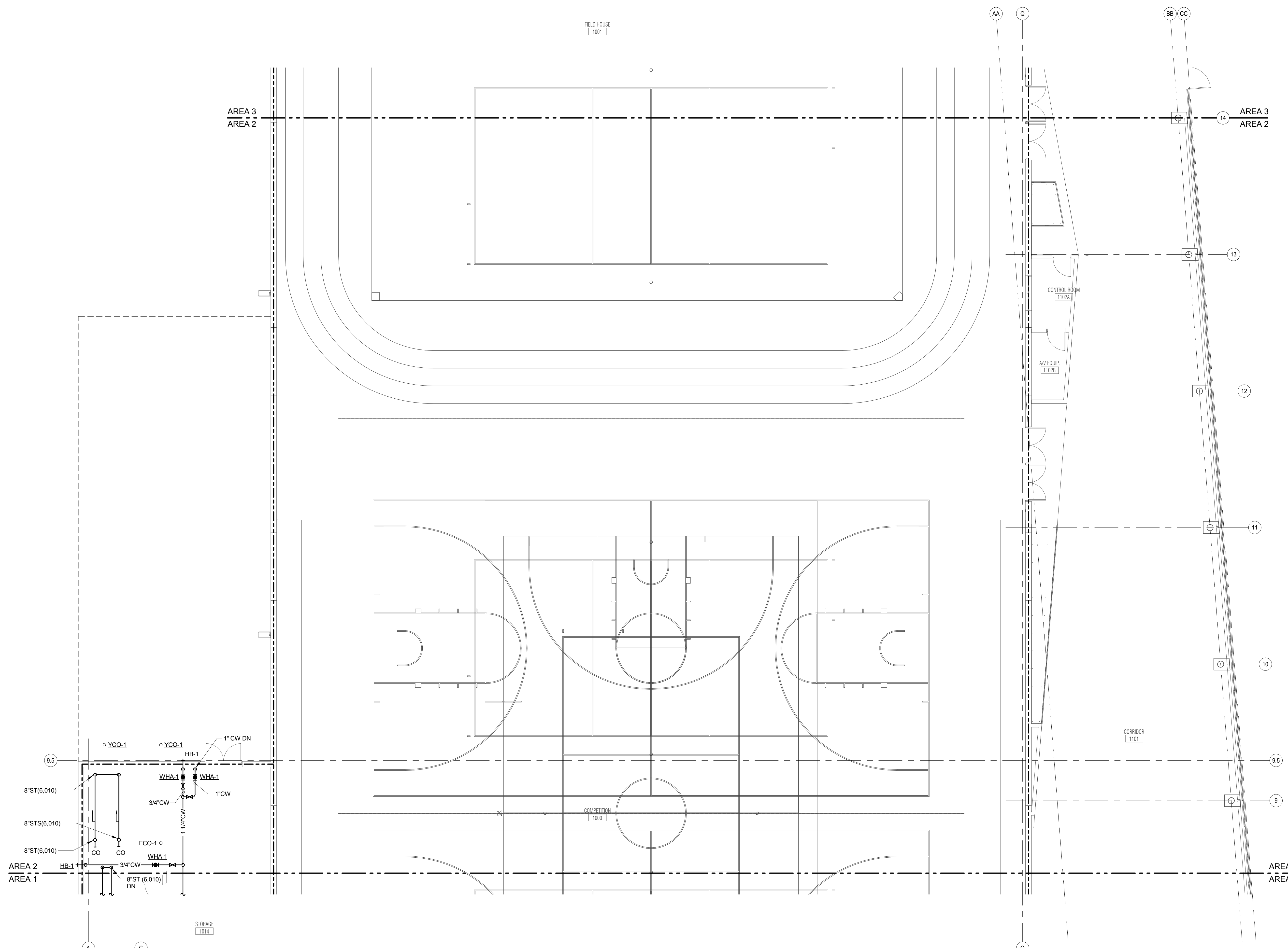


SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1 PLAN - AREA  
 2 - PLUMBING**

SHEET NUMBER:  
**P1.12**



**1 LEVEL 1 PLAN - AREA 2 - PLUMBING**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14044.00  
 DESIGN FIRM REGISTRATION #18-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



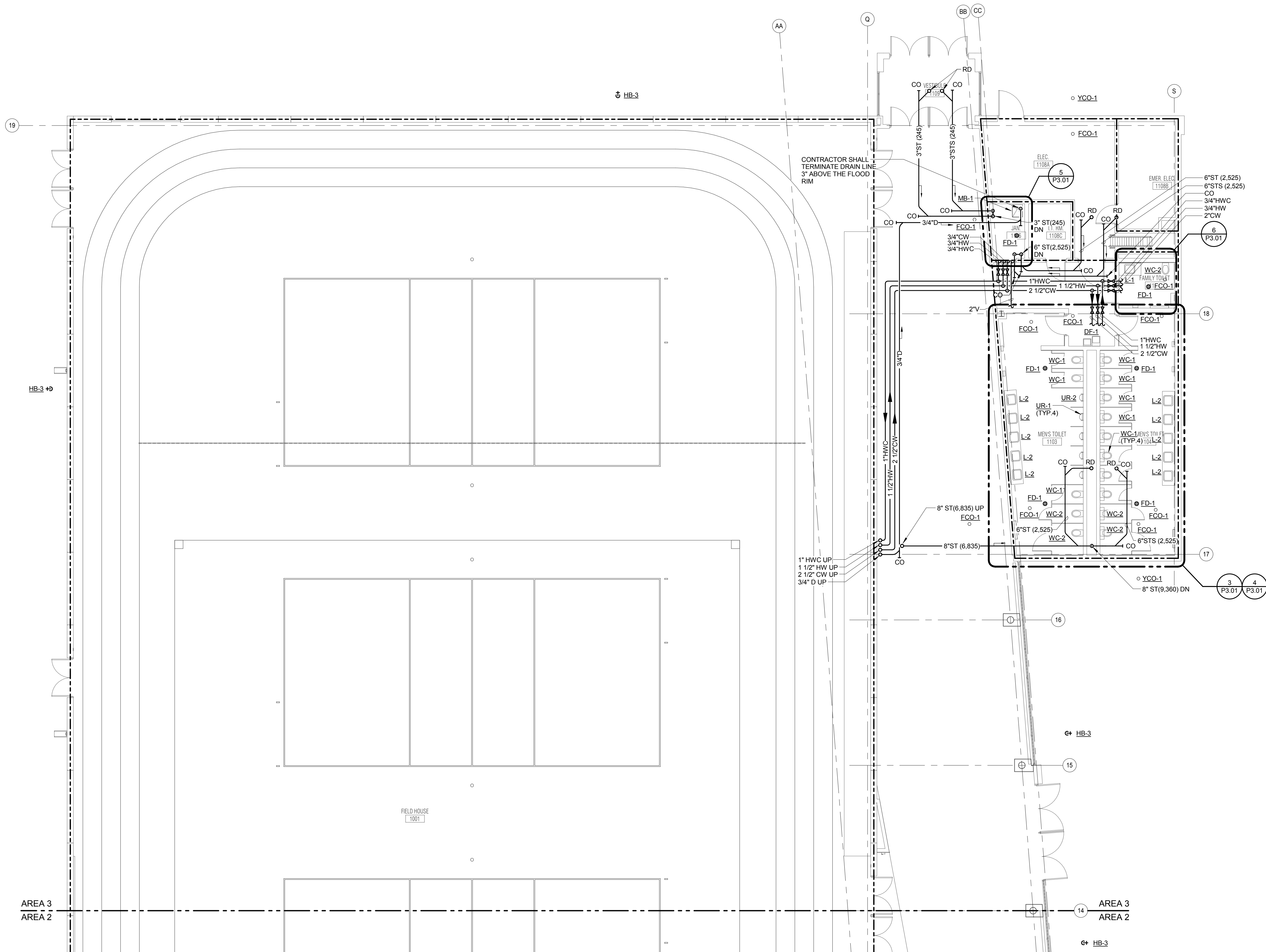


ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

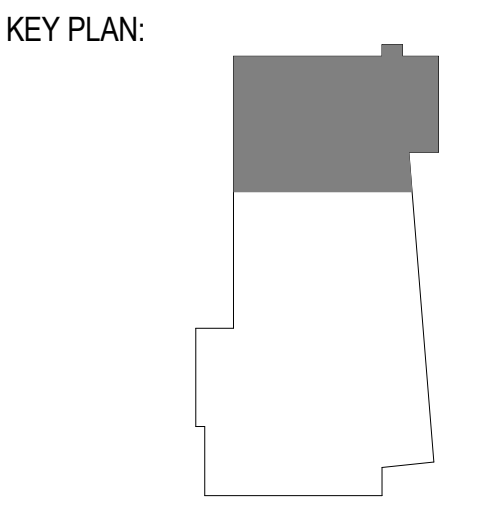
CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



CONTRACTOR SHALL  
 TERMINATE DRAIN LINE  
 3\"/>

**1 LEVEL 1 PLAN - AREA 3 - PLUMBING**  
 1/8" = 1'-0"



SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1 PLAN - AREA  
 3 - PLUMBING**

SHEET NUMBER:  
**P1.13**

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14044.00  
 DESIGNER: [Signature]  
 DATE: 7/17/15

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3

**GENERAL PLUMBING NOTES**

1. HWC PIPING SHALL CONNECT WITHIN 3 FEET OF HW PIPING CONNECTION TO FIXTURE.
2. BRANCH PIPING TO VERTICAL DROP SHALL BE MINIMUM OF 3/4" UNLESS NOTED OTHERWISE.
3. ALL PIPING IN FIELDHOUSE SHALL BE INSTALLED AS TIGHT TO DESK AS POSSIBLE.

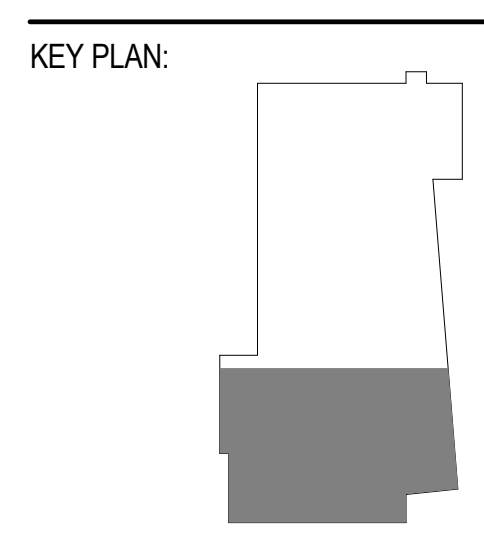


ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

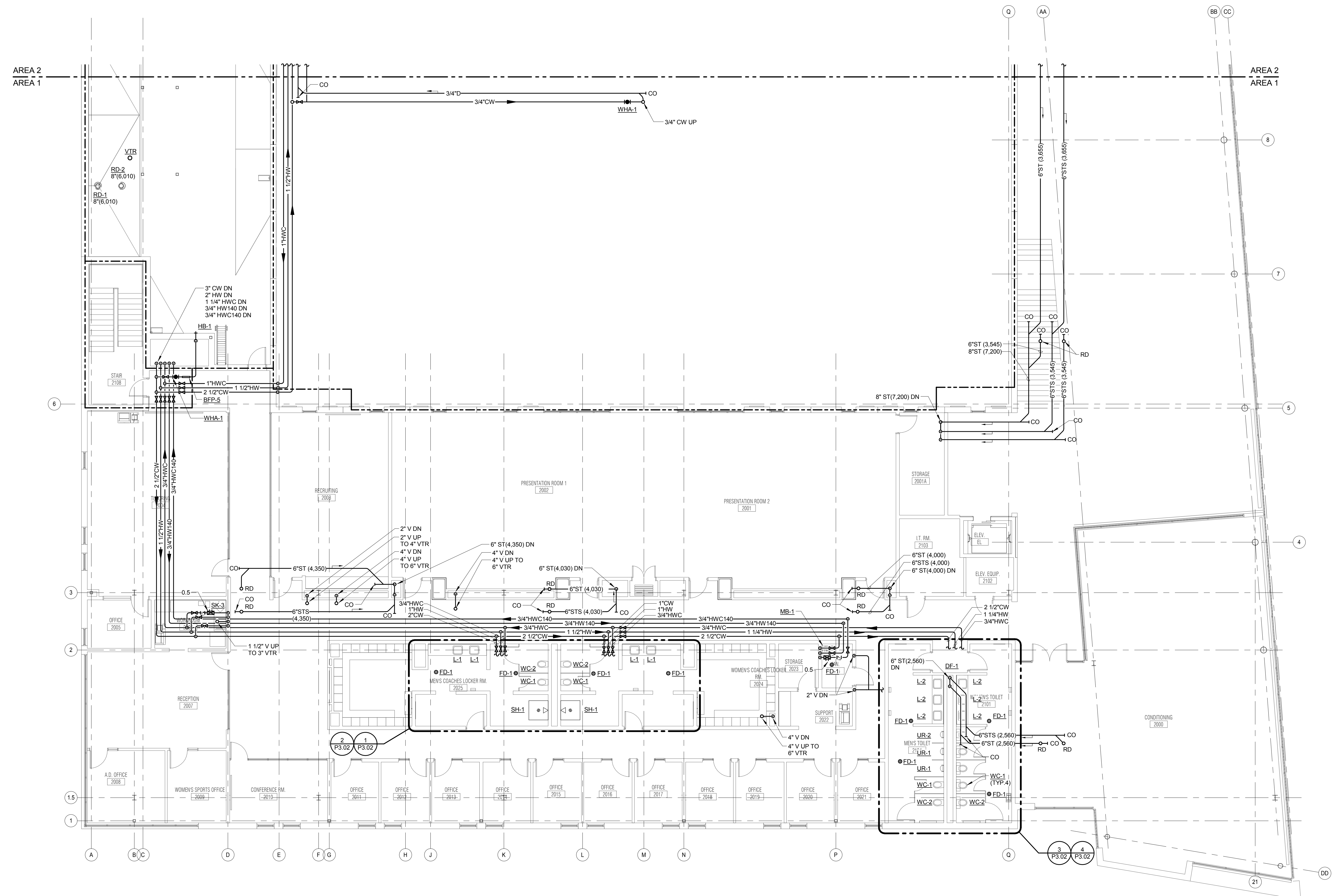


SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2 PLAN - AREA  
 1 - PLUMBING**

SHEET NUMBER:  
**P1.21**



**1 LEVEL 2 PLAN - AREA 1 - PLUMBING**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**THE FUTURE IS SMARTER™**  
 PROJECT # 14044.00  
 Bids: Design Firm Registration #18-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



**GENERAL PLUMBING NOTES**  
 1. ALL PIPING IN FIELDHOUSE SHALL BE INSTALLED AS TIGHT TO DECK AS POSSIBLE.



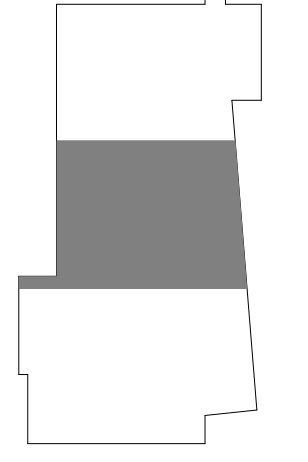
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

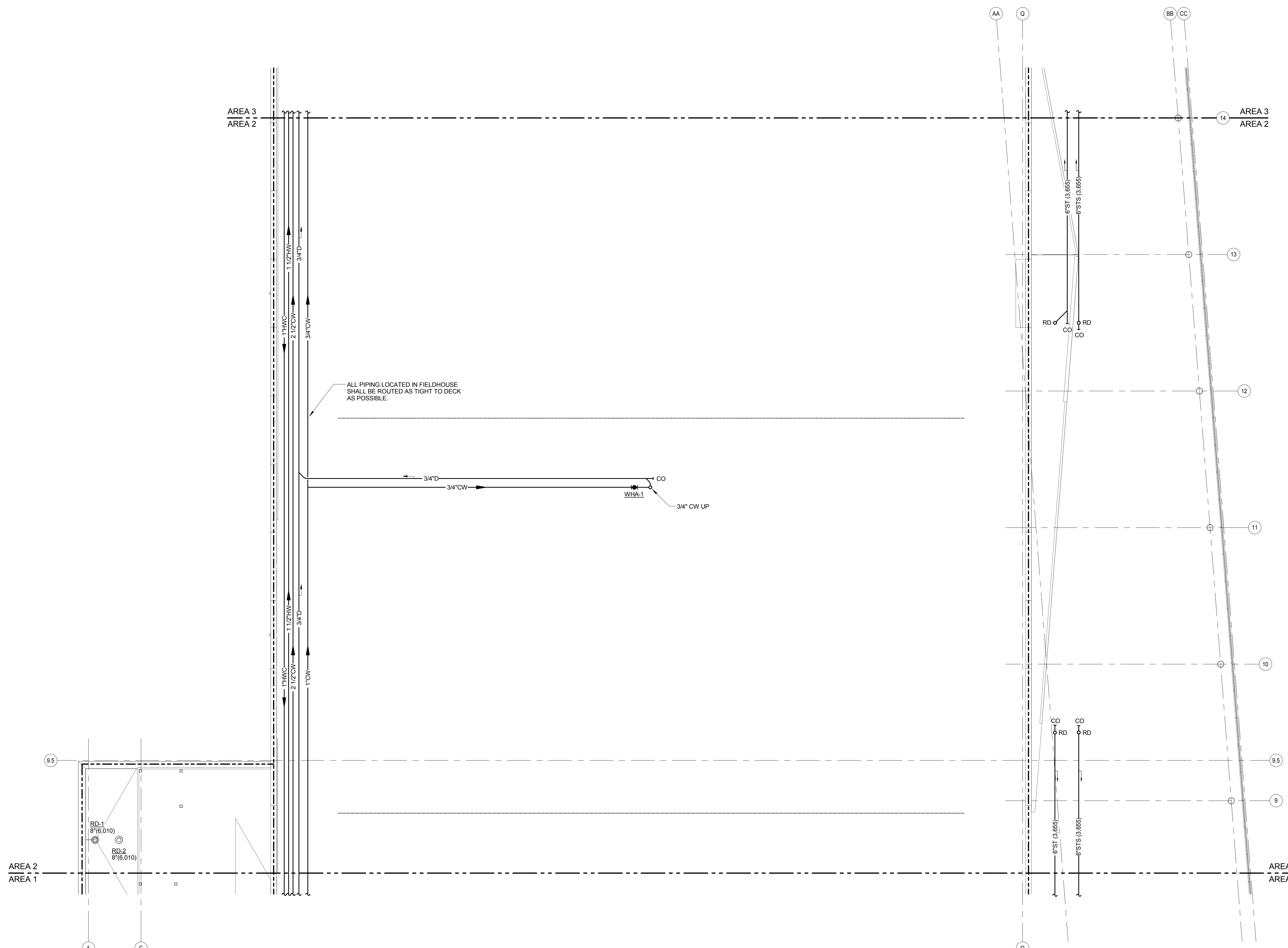


SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2 PLAN - AREA 2 - PLUMBING**

SHEET NUMBER:  
**P1.22**



**1 LEVEL 2 PLAN - AREA 2 - PLUMBING**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14044.00  
 DESIGNER: [Name]  
 CHECKER: [Name]  
 DATE: 7/17/15

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3

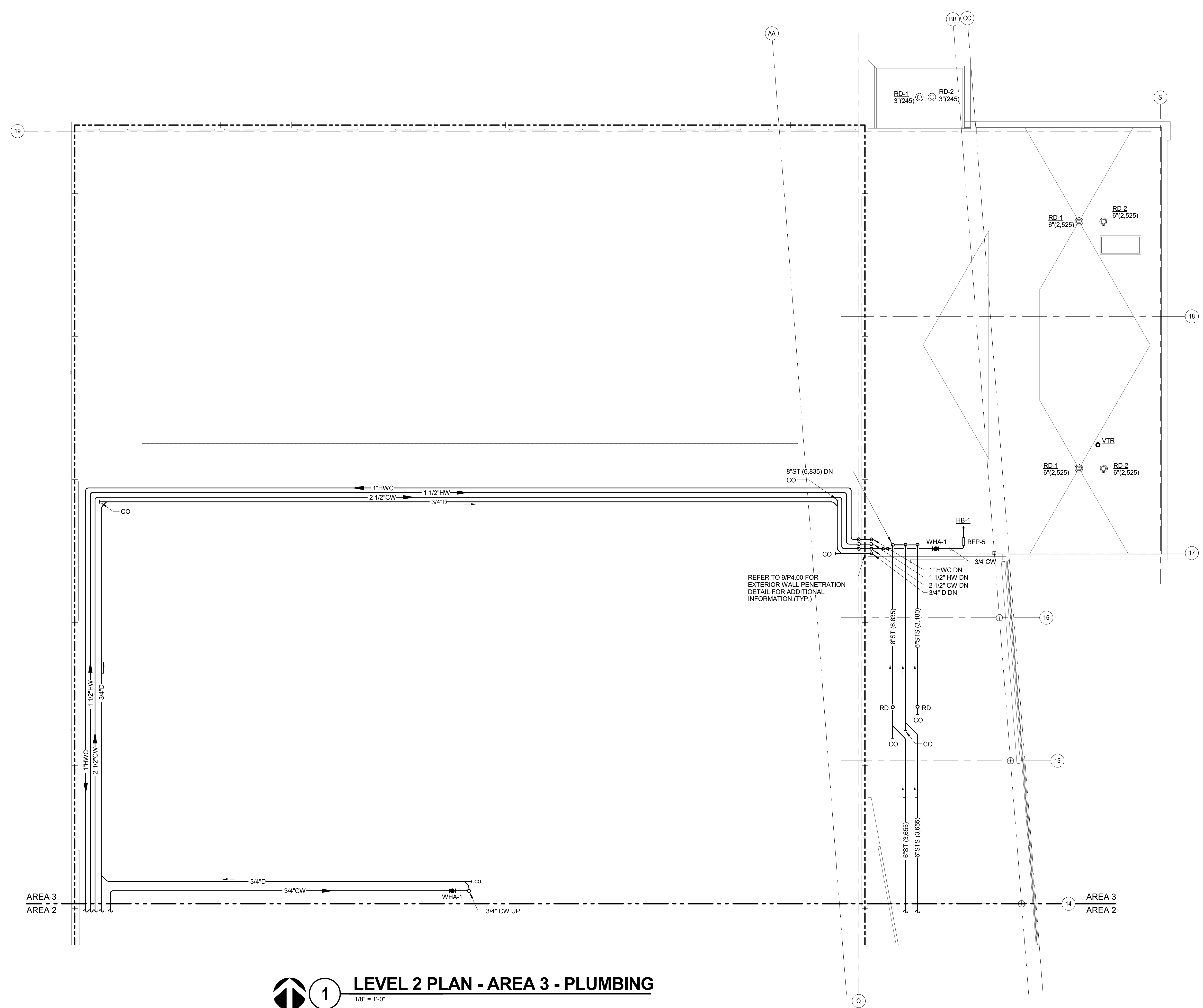
**GENERAL PLUMBING NOTES**  
 1. ALL PIPING IN FIELDHOUSE SHALL BE INSTALLED AS TIGHT TO DESK AS POSSIBLE.



ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

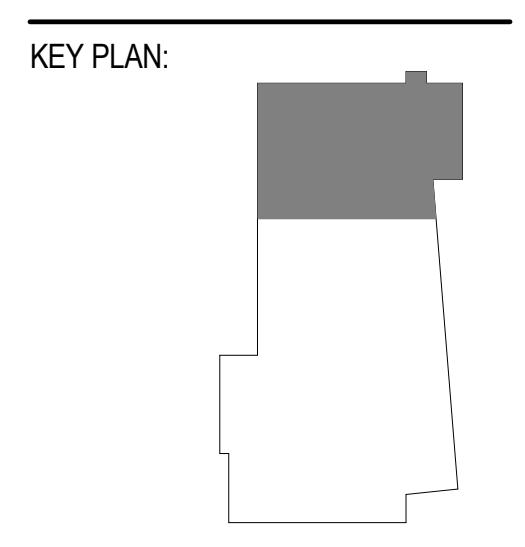
CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600



REFER TO 9/P4.00 FOR EXTERIOR WALL PENETRATION DETAIL FOR ADDITIONAL INFORMATION (TYP.)

**1 LEVEL 2 PLAN - AREA 3 - PLUMBING**  
 1/8" = 1'-0"

**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



SHEET STATUS: 7/17/15  
**BID PACKAGE 2**  
**ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2 PLAN - AREA 3 - PLUMBING**

SHEET NUMBER:

**P1.23**

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM

PROJECT # 14044.00  
 DESIGN DATE 7/17/15

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3





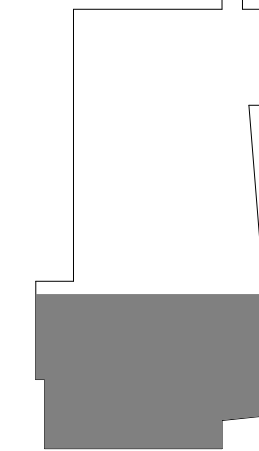
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



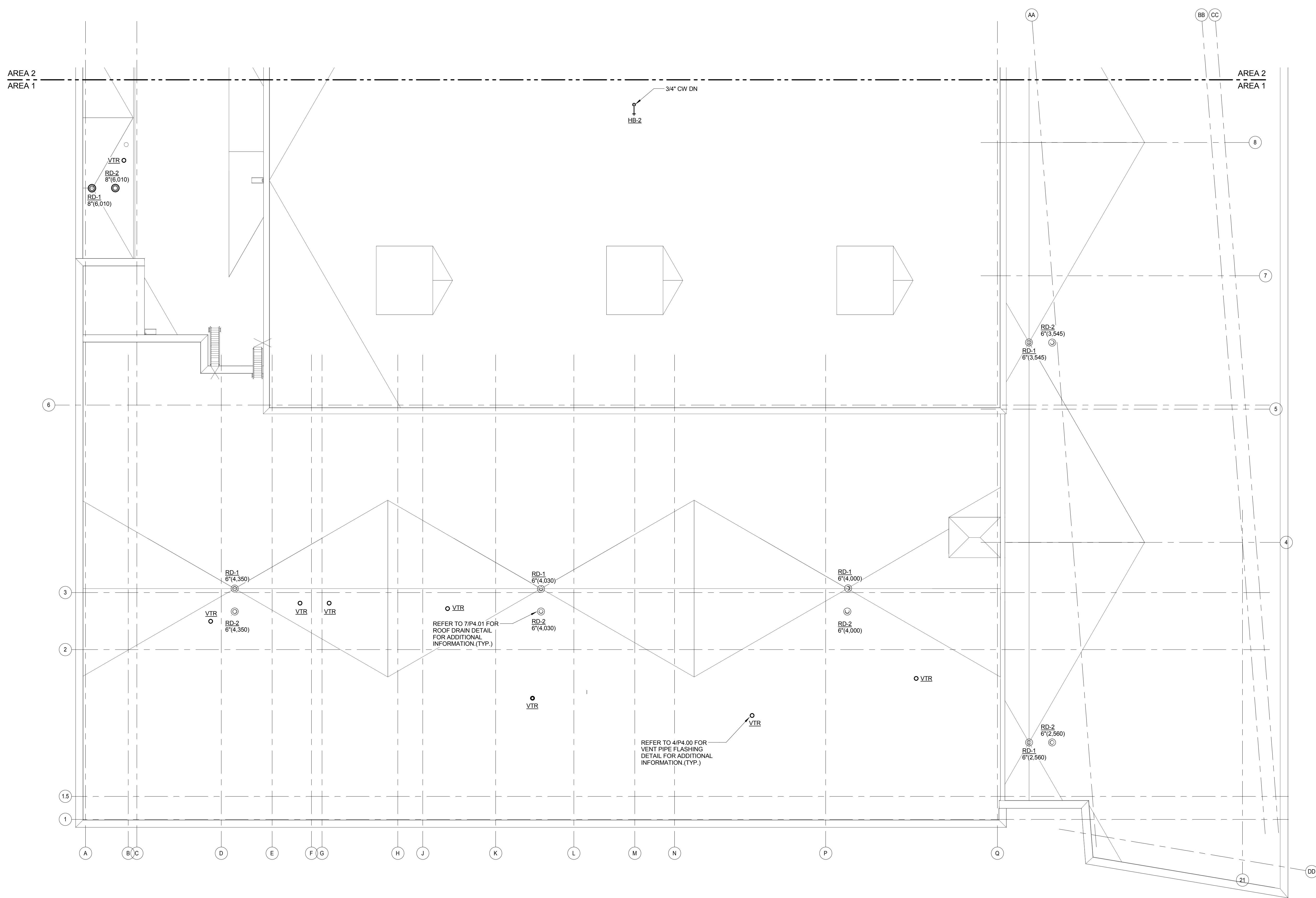
SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ROOF PLAN - AREA 1  
 - PLUMBING**

SHEET NUMBER:

**P1.31**



**1 ROOF PLAN - AREA 1 - PLUMBING**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**PROJECT # 14-004-00**

Block Design Firm Registration #184-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES



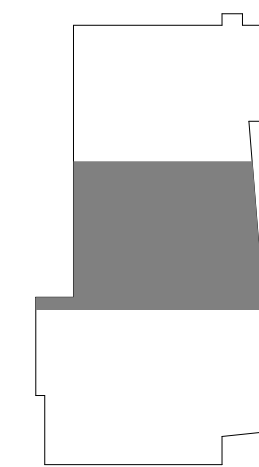
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7/17/15

**BID PACKAGE 2  
 ISSUED FOR BID**

NO. DESCRIPTION: DATE:

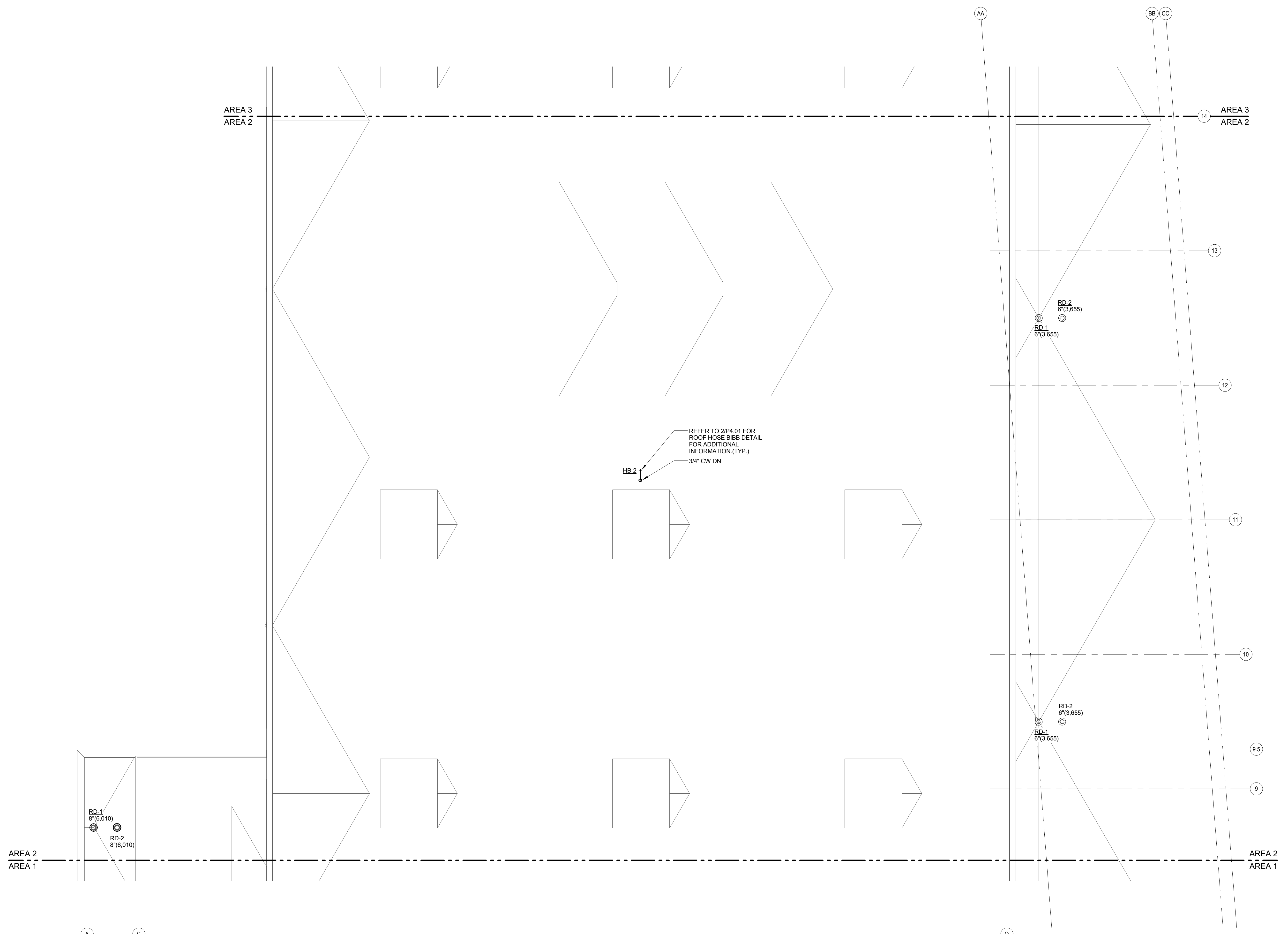
NO.	DESCRIPTION:	DATE:

SHEET TITLE:

**ROOF PLAN - AREA 2  
 - PLUMBING**

SHEET NUMBER:

**P1.32**



REFER TO 2/P4.01 FOR  
 ROOF HOSE BIBB DETAIL  
 FOR ADDITIONAL  
 INFORMATION (TYP.)  
 HB-2  
 3/4\"/>

**1 ROOF PLAN - AREA 2 - PLUMBING**  
 1/8\"/>

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**PROJECT # 14044.00**

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES





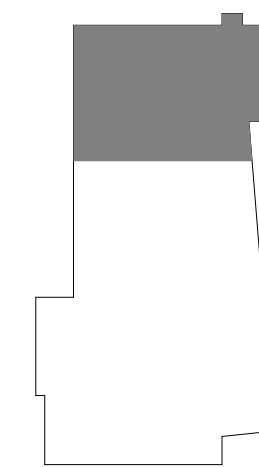
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



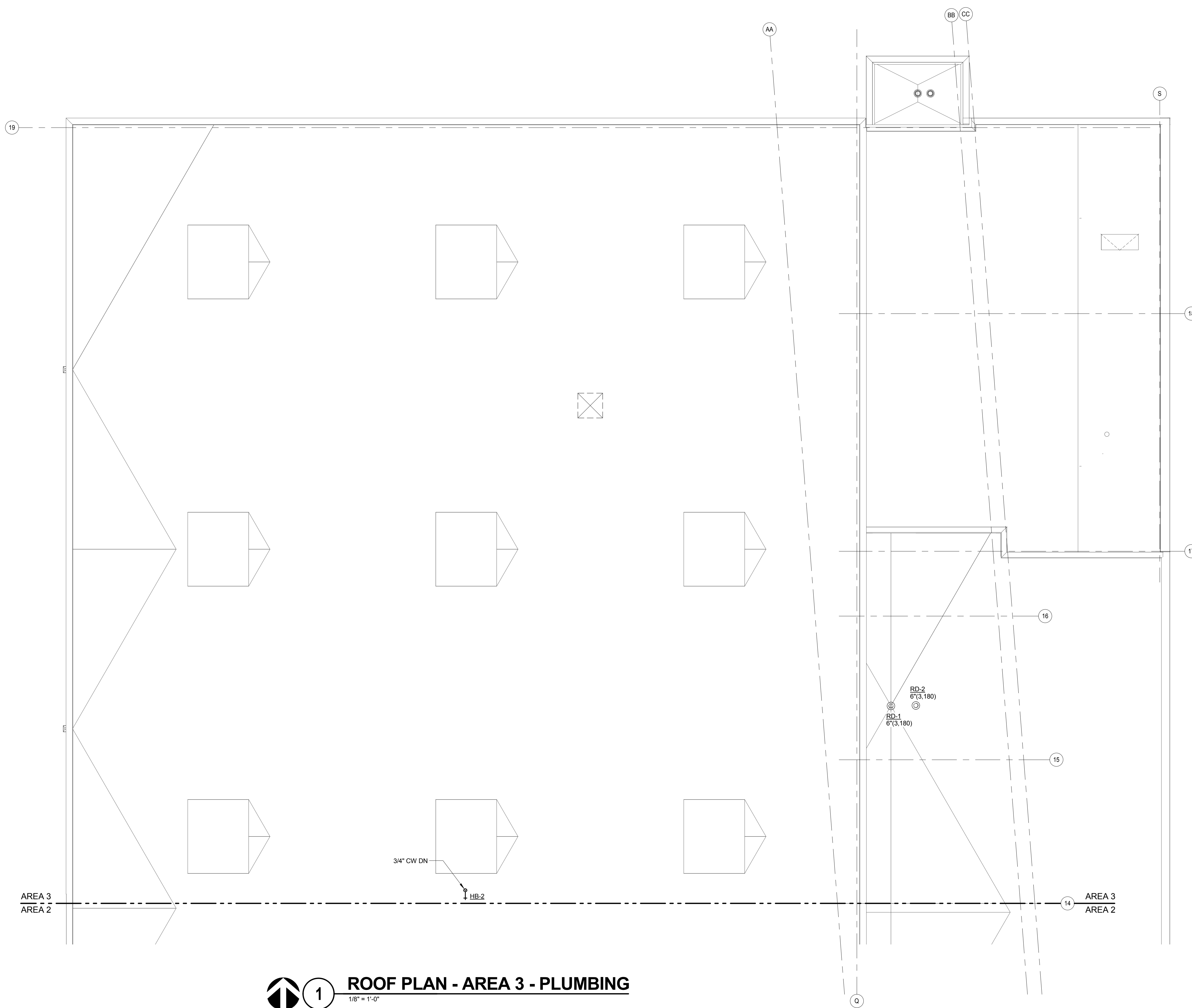
SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ROOF PLAN - AREA 3  
 - PLUMBING**

SHEET NUMBER:

**P1.33**



**1 ROOF PLAN - AREA 3 - PLUMBING**  
 1/8" = 1'-0"



**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM

**THE FUTURE IS SMARTER™**  
 PROJECT # 14064.00  
 Illinois Design Firm Registration #18A-000773

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3

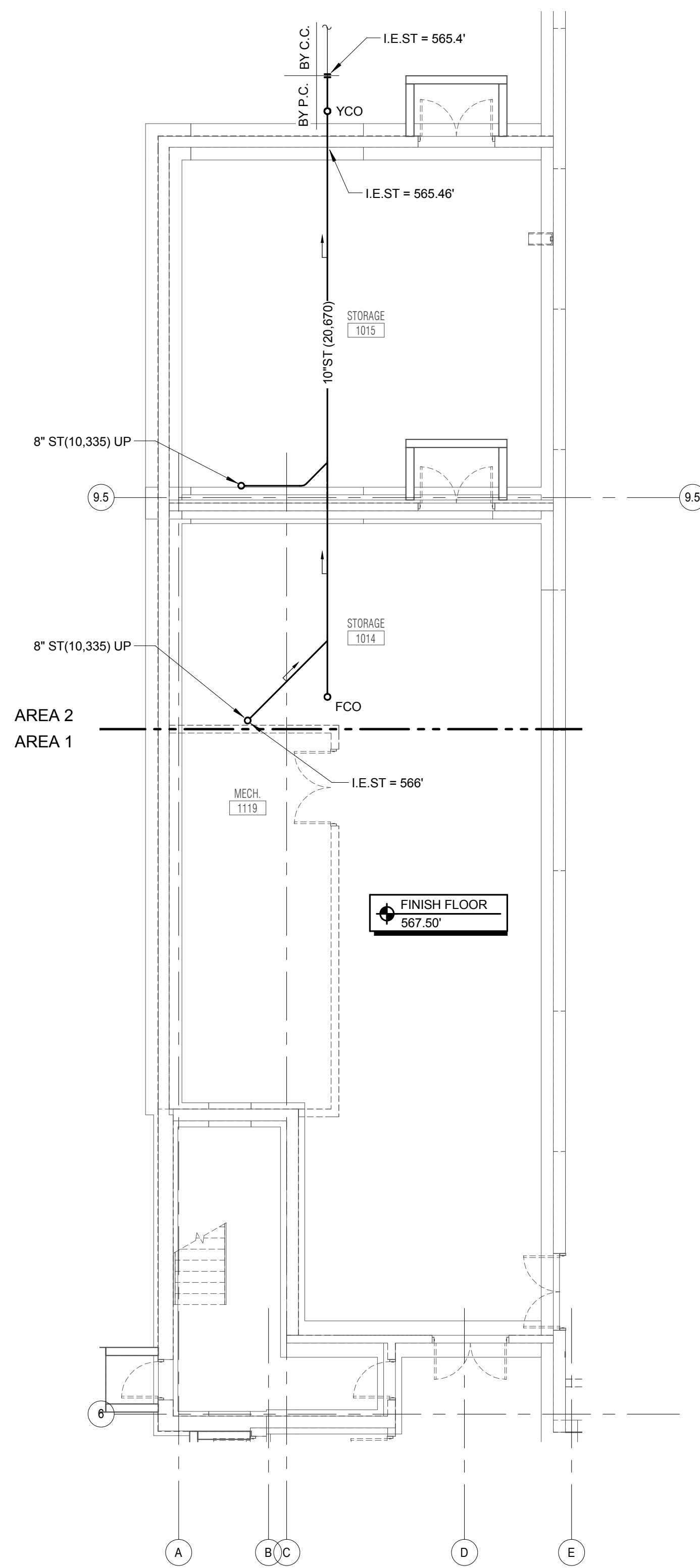


ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

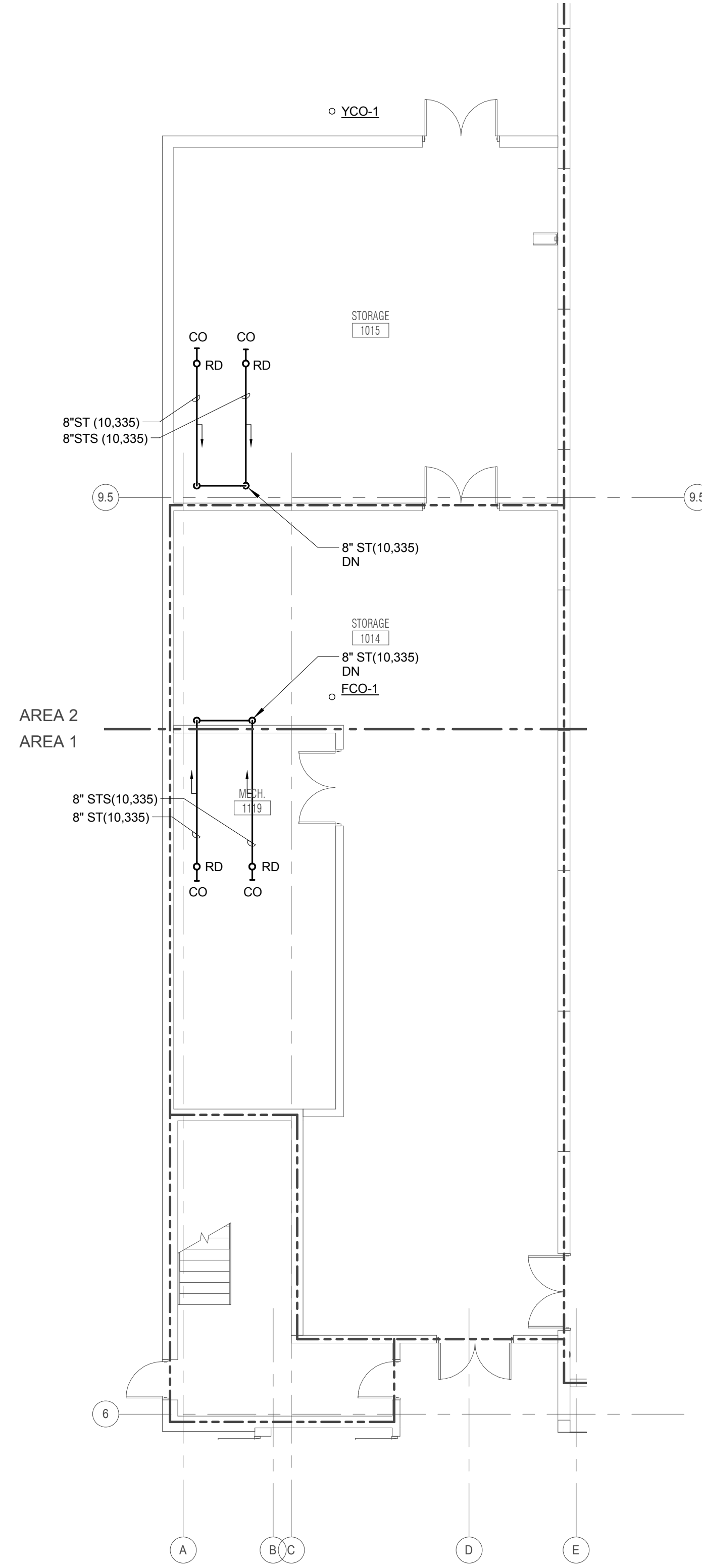
STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

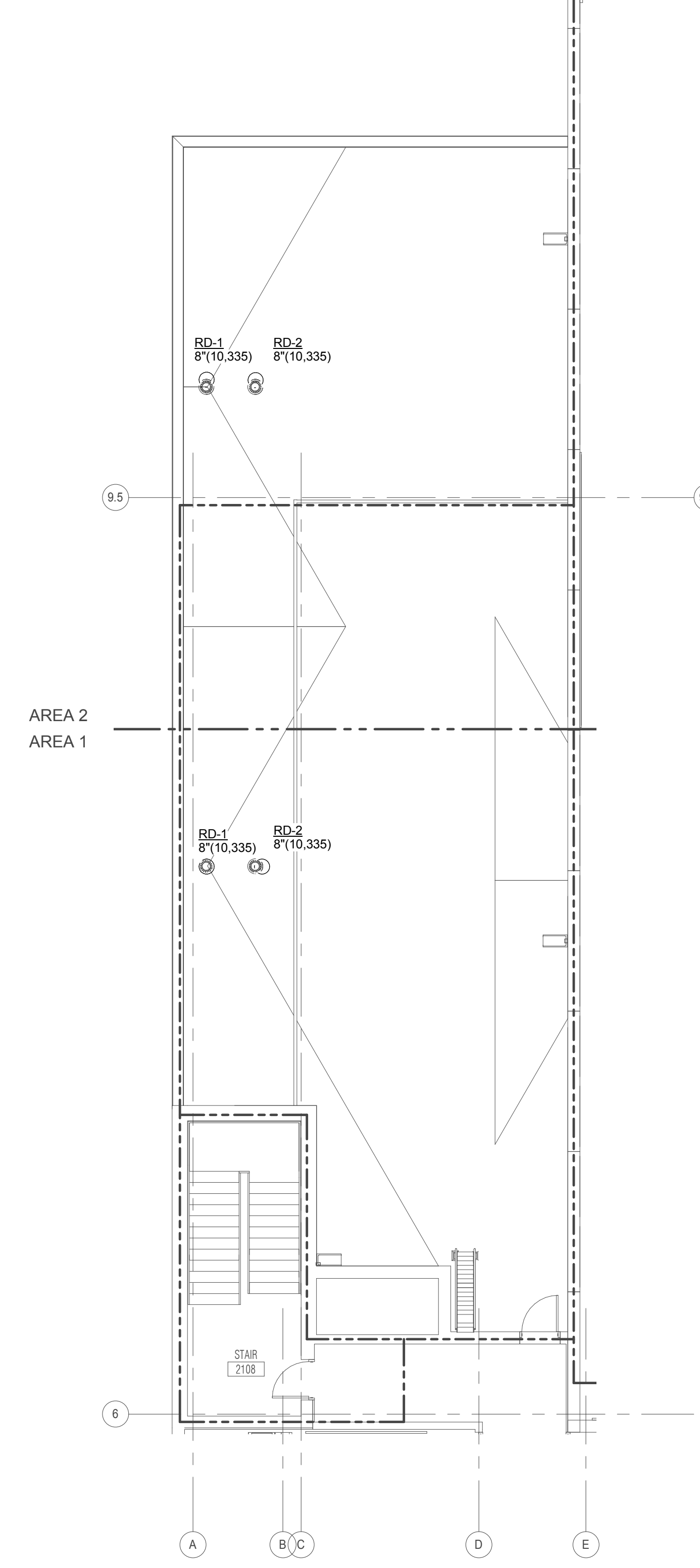
**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



**1**  
 UNDER FLOOR PLAN - AREA 1 -  
 PLUMBING - ALT 1  
 1/8" = 1'-0"

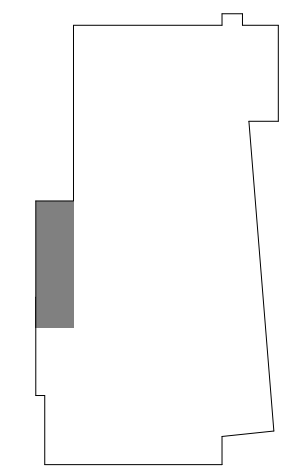


**2**  
 LEVEL 1 PLAN - AREA 2 -  
 PLUMBING - ALT 1  
 1/8" = 1'-0"



**3**  
 ROOF PLAN - AREA 2 -  
 PLUMBING - ALT 1  
 1/8" = 1'-0"

KEY PLAN:



SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ALTERNATE 1 PLANS  
 - PLUMBING**

SHEET NUMBER:

**P1.40**

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14044.00  
 DESIGN: [Name] DATE: [Date]

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3





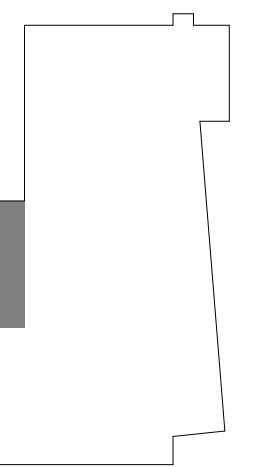
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEPFP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ALTERNATE 2 PLANS  
 - PLUMBING**

SHEET NUMBER:

**P1.41**



**1**

**UNDER FLOOR PLAN - AREA 1 -  
 PLUMBING - ALT 2**

1/8" = 1'-0"



**2**

**LEVEL 1 PLAN - AREA 2 -  
 PLUMBING - ALT 2**

1/8" = 1'-0"



**3**

**ROOF PLAN - AREA 2 -  
 PLUMBING - ALT 2**

1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14044.00  
 DESIGN FIRM REGISTRATION #14-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



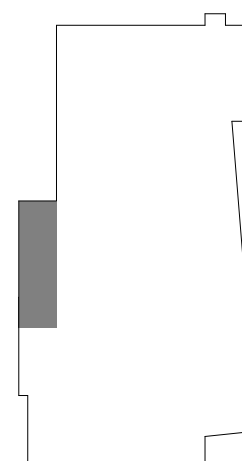
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



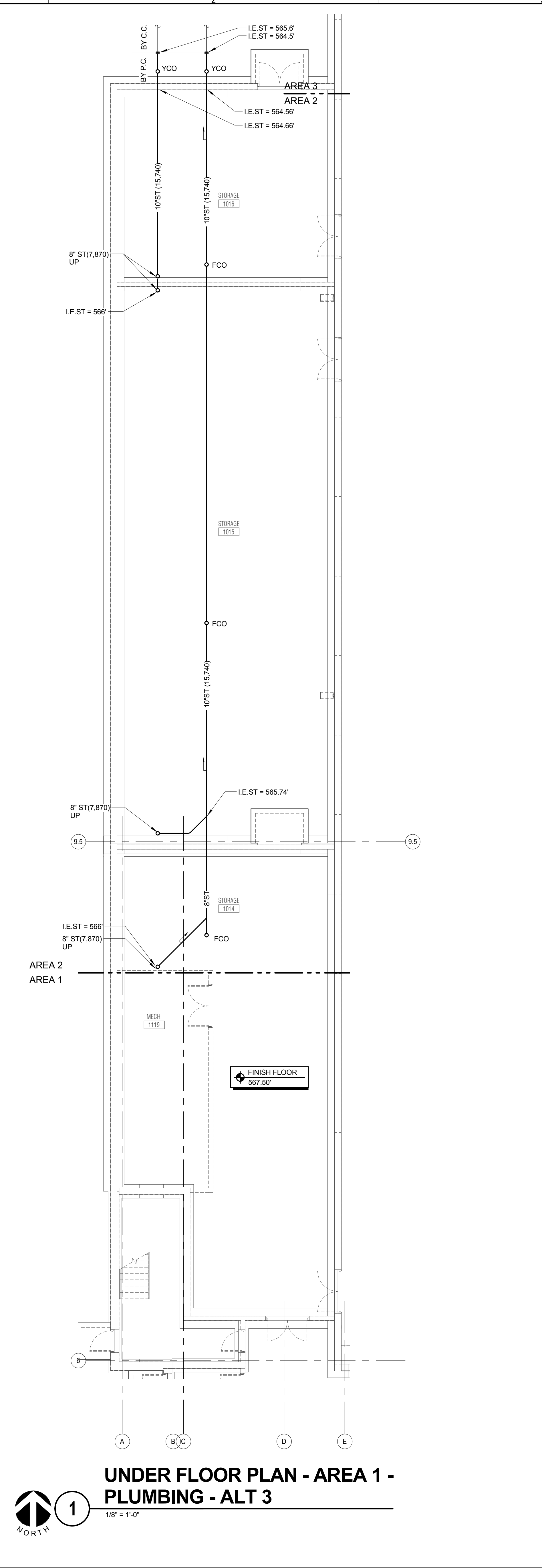
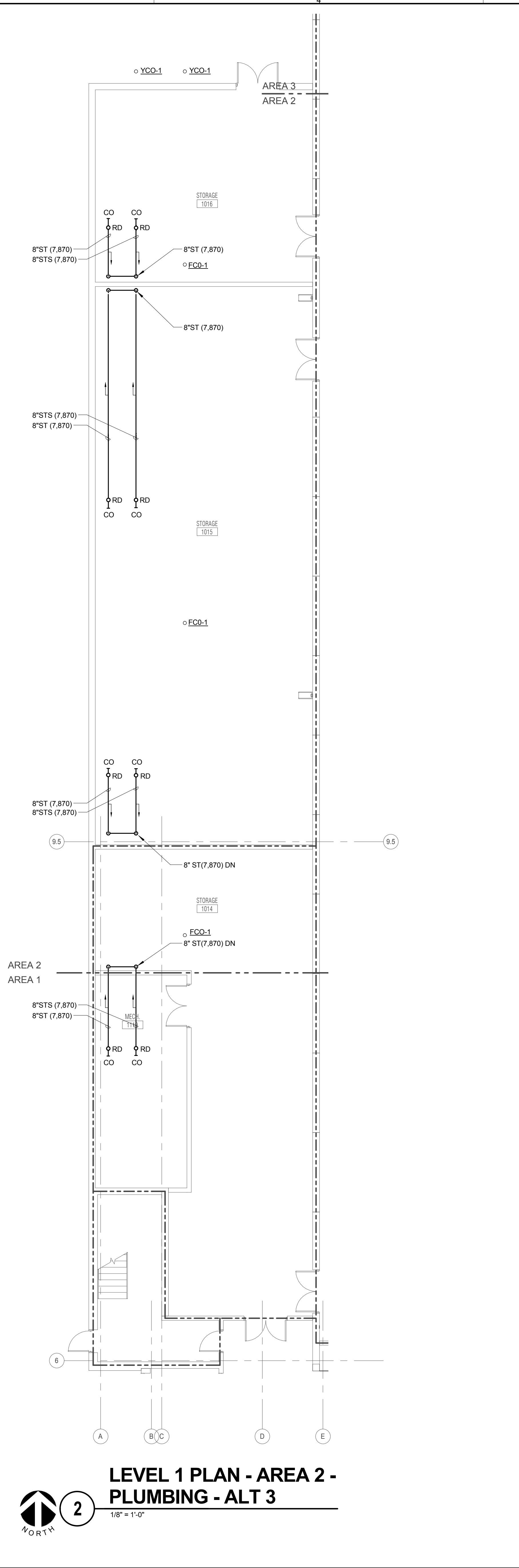
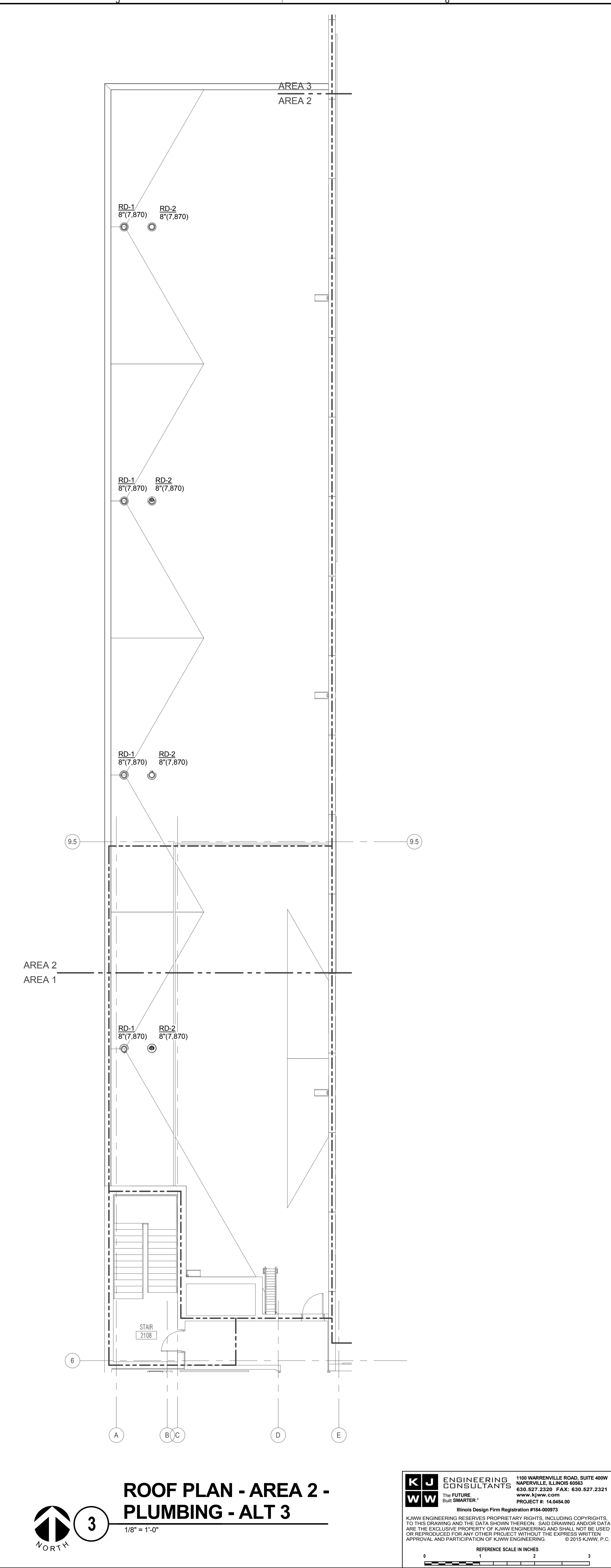
SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ALTERNATE 3 PLANS  
 - PLUMBING**

SHEET NUMBER:

**P1.42**



**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14044-00  
 DESIGN FIRM REGISTRATION #18-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3





ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEPFP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

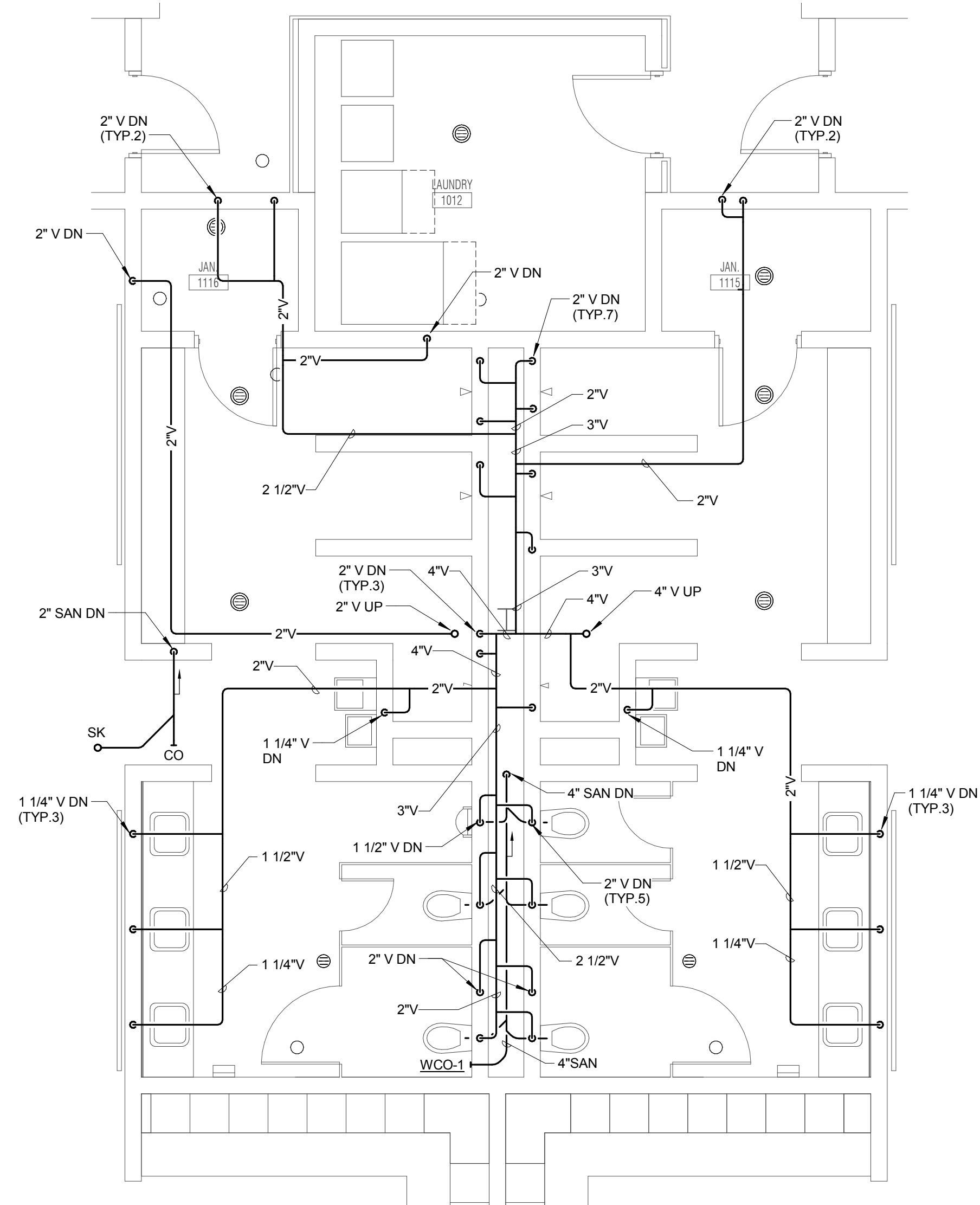
**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

**GENERAL PLUMBING NOTES**

1. HWC PIPING SHALL CONNECT WITHIN 3 FEET OF HW PIPING CONNECTION TO FIXTURE.
2. REFER TO PLUMBING ROUGH IN SCHEDULE ON SHEET P-0.00 FOR SIZES OF BRANCH PIPING TO FIXTURES.
3. ALL PIPING SHALL BE 3/4" UNLESS NOTED OTHERWISE.

**KEYNOTES (#)**

1. CONTRACTOR SHALL FINALIZE LOCATION OF MOP BASIN WITH ARCHITECT.

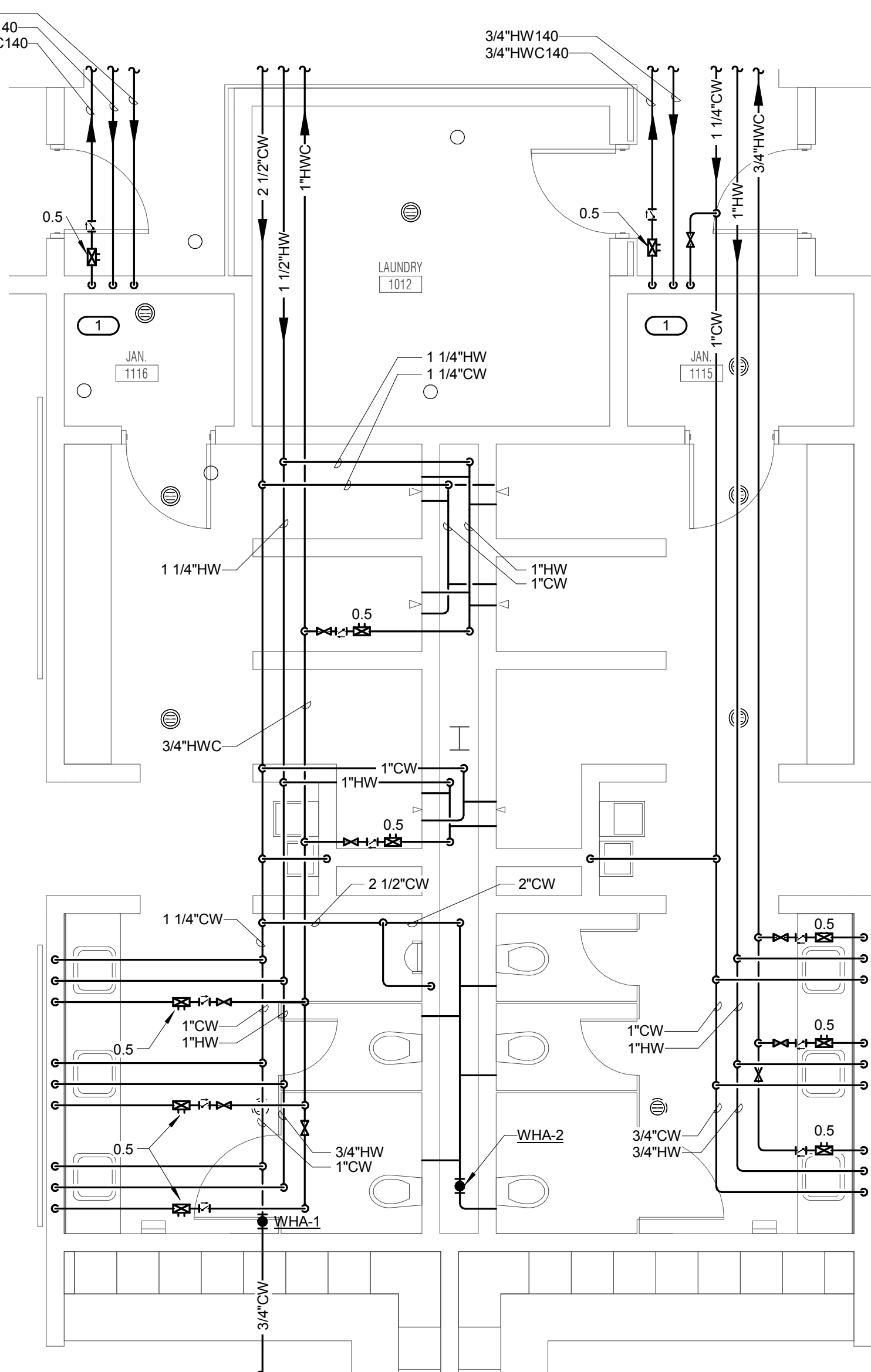


**ENLARGED PLAN - MEN'S & WOMEN'S LOCKER ROOM - LEVEL 1 - AREA 1 - SAN & VENT**



1

1/4" = 1'-0"

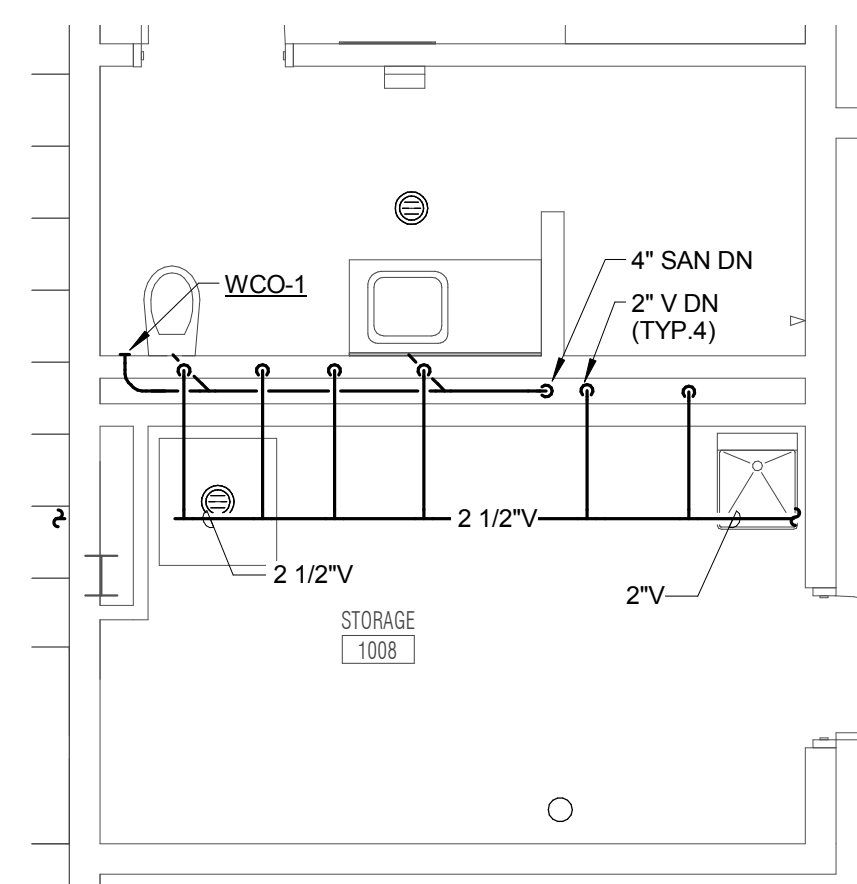


**ENLARGED PLAN - MEN'S & WOMEN'S LOCKER ROOM - LEVEL 1 - AREA 1 - DOMESTIC**



2

1/4" = 1'-0"

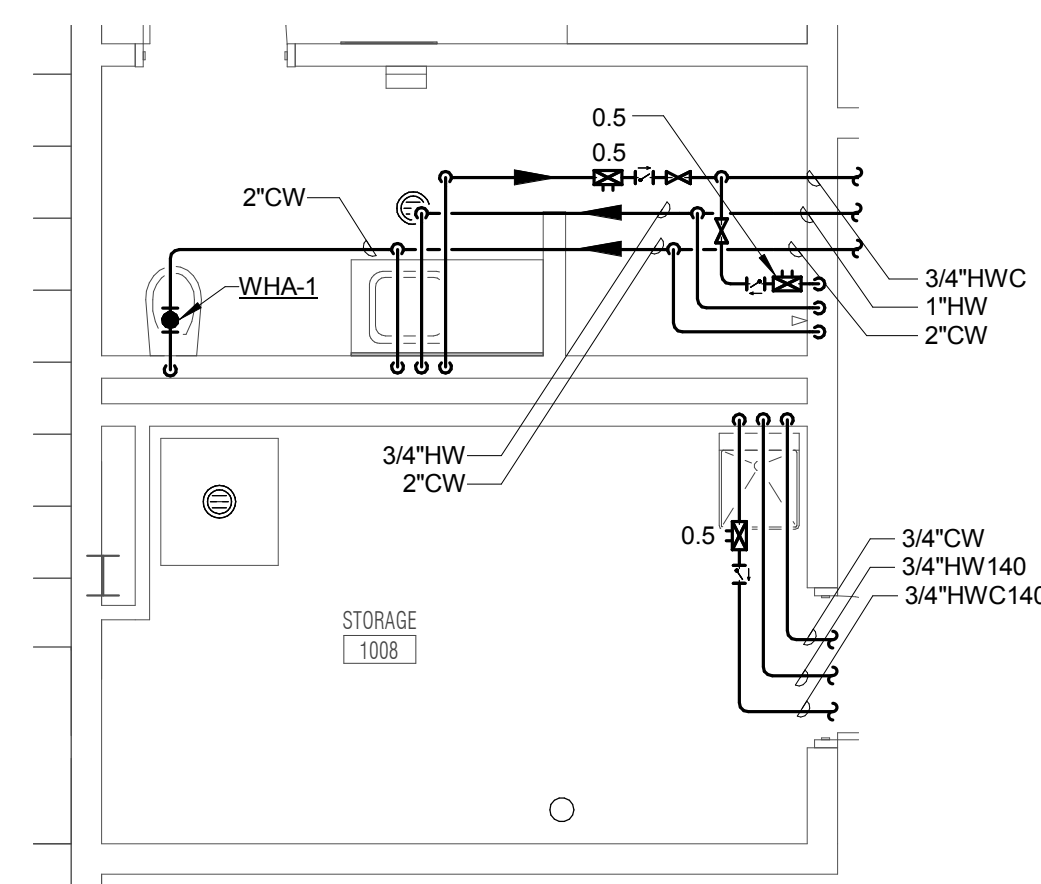


**ENLARGED PLAN - OFFICIAL TOILET ROOM - LEVEL 1 - AREA 1 - SAN & VENT**



3

1/4" = 1'-0"

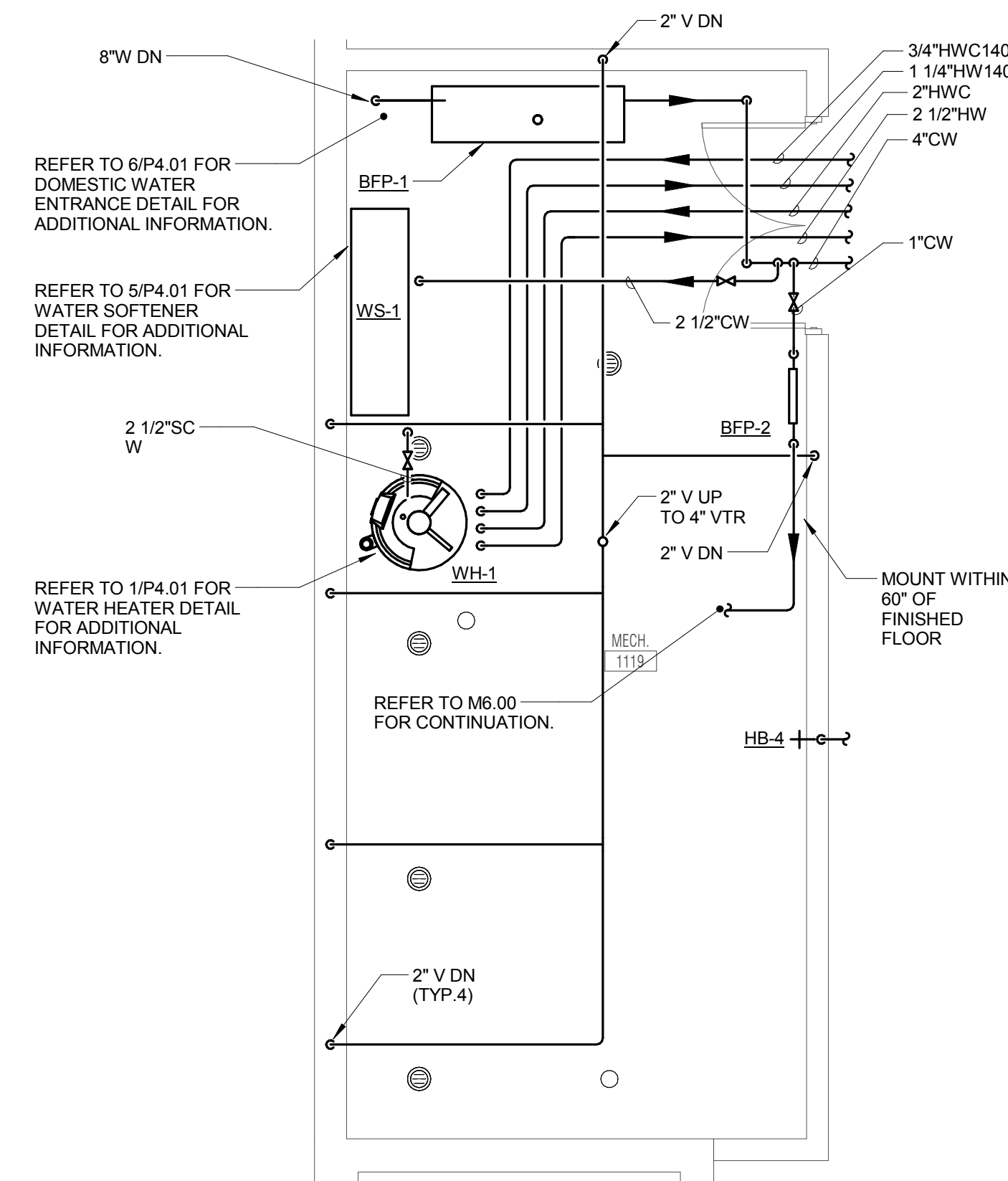


**ENLARGED PLAN - OFFICIAL TOILET ROOM - LEVEL 1 - AREA 1 - DOMESTIC**



4

1/4" = 1'-0"



**ENLARGED PLAN - MECHANICAL ROOM - LEVEL 1 - AREA 1**



5

1/4" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**THE REGISTERED PROFESSIONAL ENGINEER**  
 PROJECT # 14044.00  
 Illinois Design Firm Registration #18A-08073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SUCH DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3

KEY PLAN:

SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ENLARGED PLANS - PLUMBING**

SHEET NUMBER:

**P3.00**



ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD, SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 7/17/15  
**BID PACKAGE 2**  
**ISSUED FOR BID**

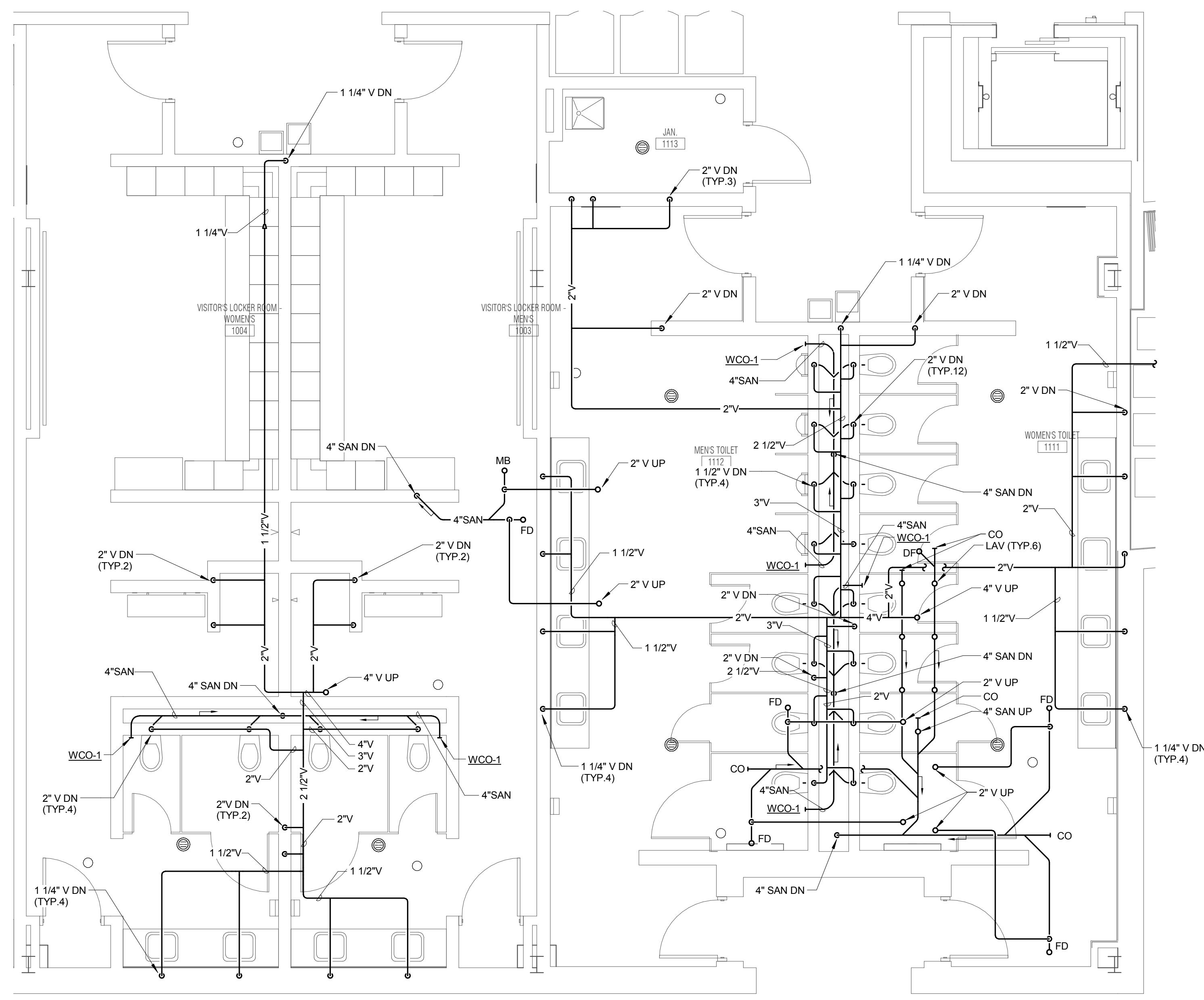
NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ENLARGED PLANS - PLUMBING**

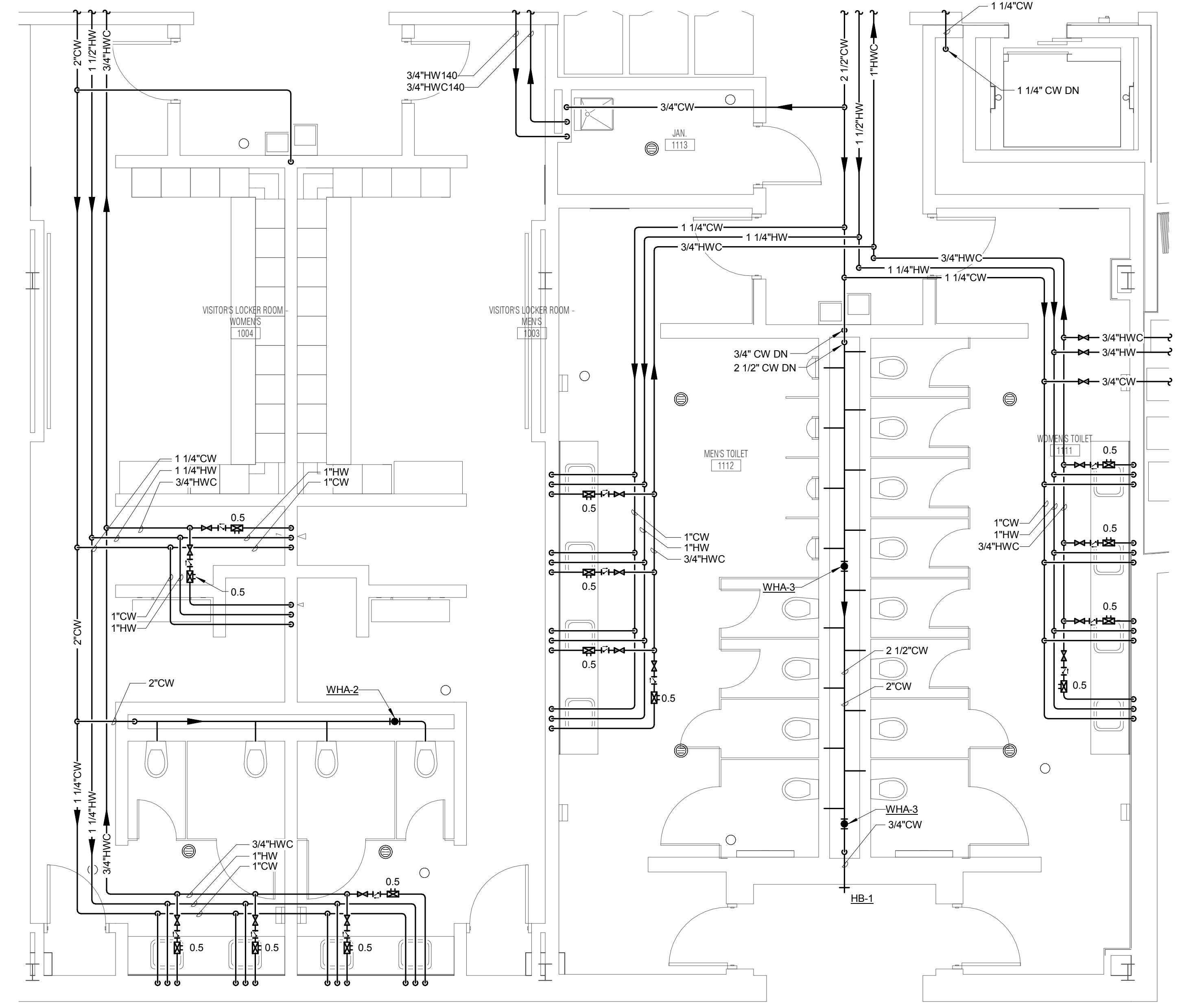
SHEET NUMBER:

**P3.01**

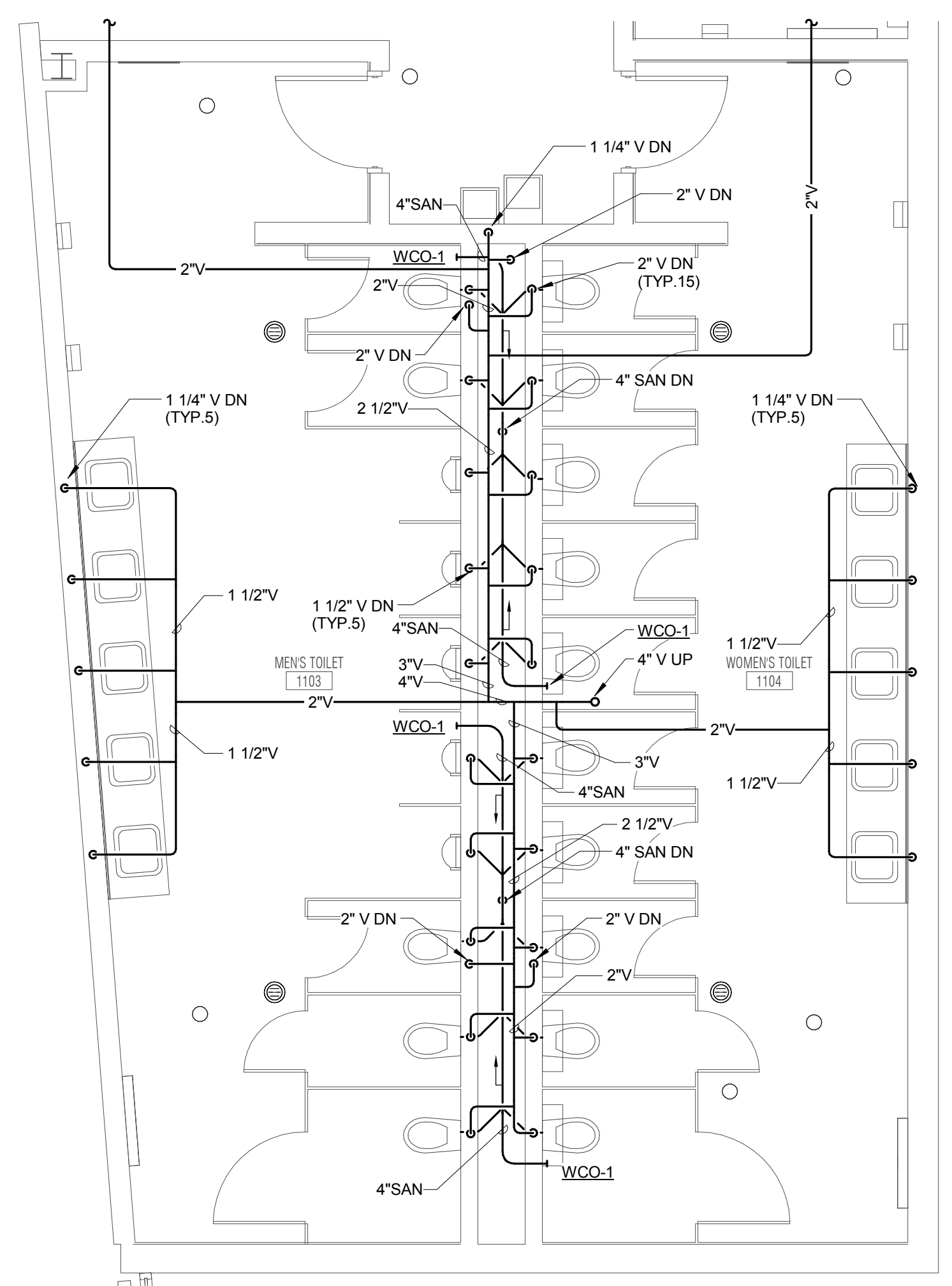
- GENERAL PLUMBING NOTES**
- HWC PIPING SHALL CONNECT WITHIN 3 FEET OF HW PIPING CONNECTION TO FIXTURE.
  - REFER TO PLUMBING ROUGH IN SCHEDULE ON SHEET P-0.00 FOR SIZES OF BRANCH PIPING TO FIXTURES.
  - ALL PIPING SHALL BE 3/4" UNLESS NOTED OTHERWISE.



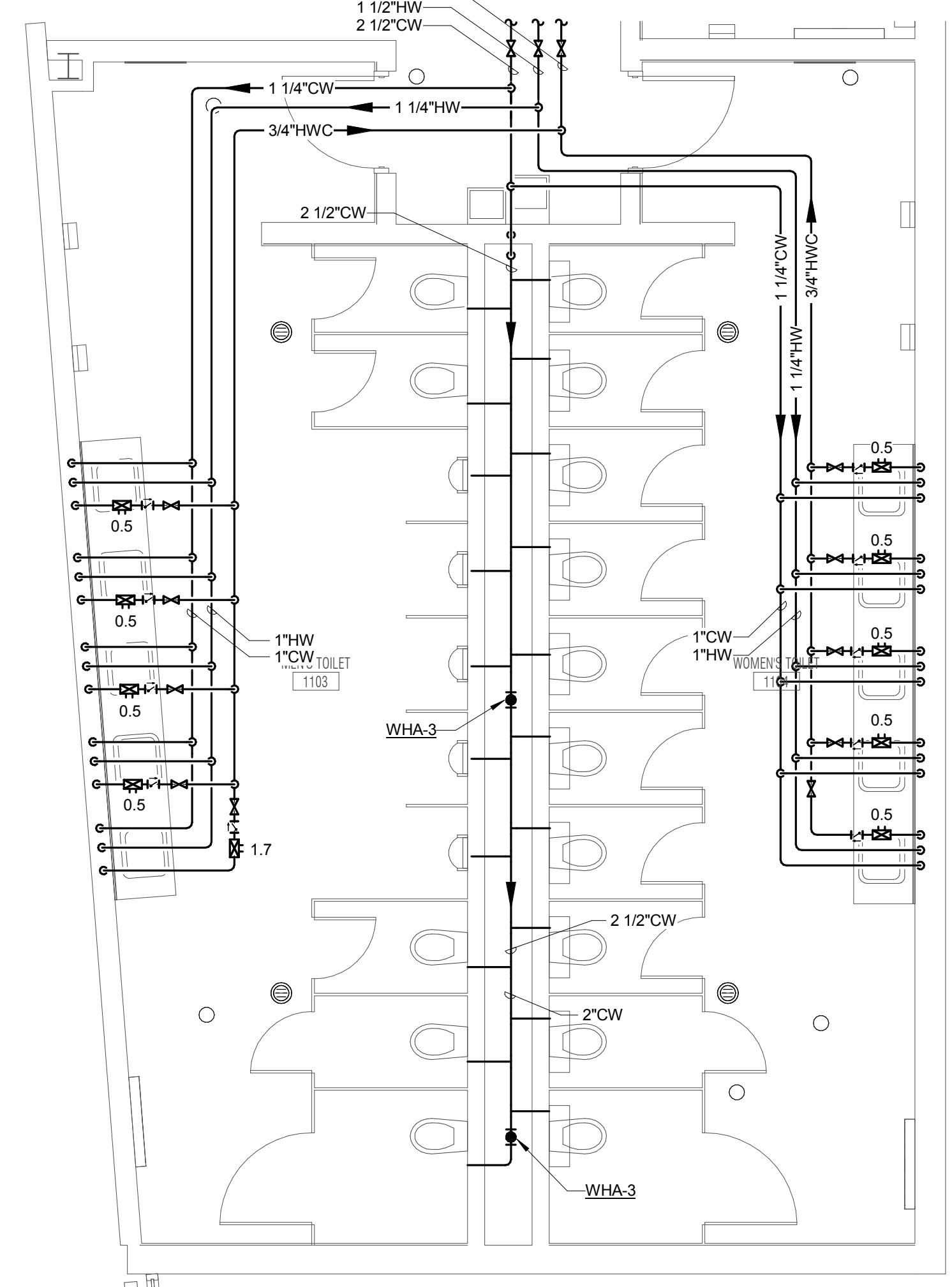
**ENLARGED PLAN - MEN'S & WOMEN'S RESTROOM - LEVEL 1 - AREA 1 - SAN & VENT**  
 1  
 1/4" = 1'-0"



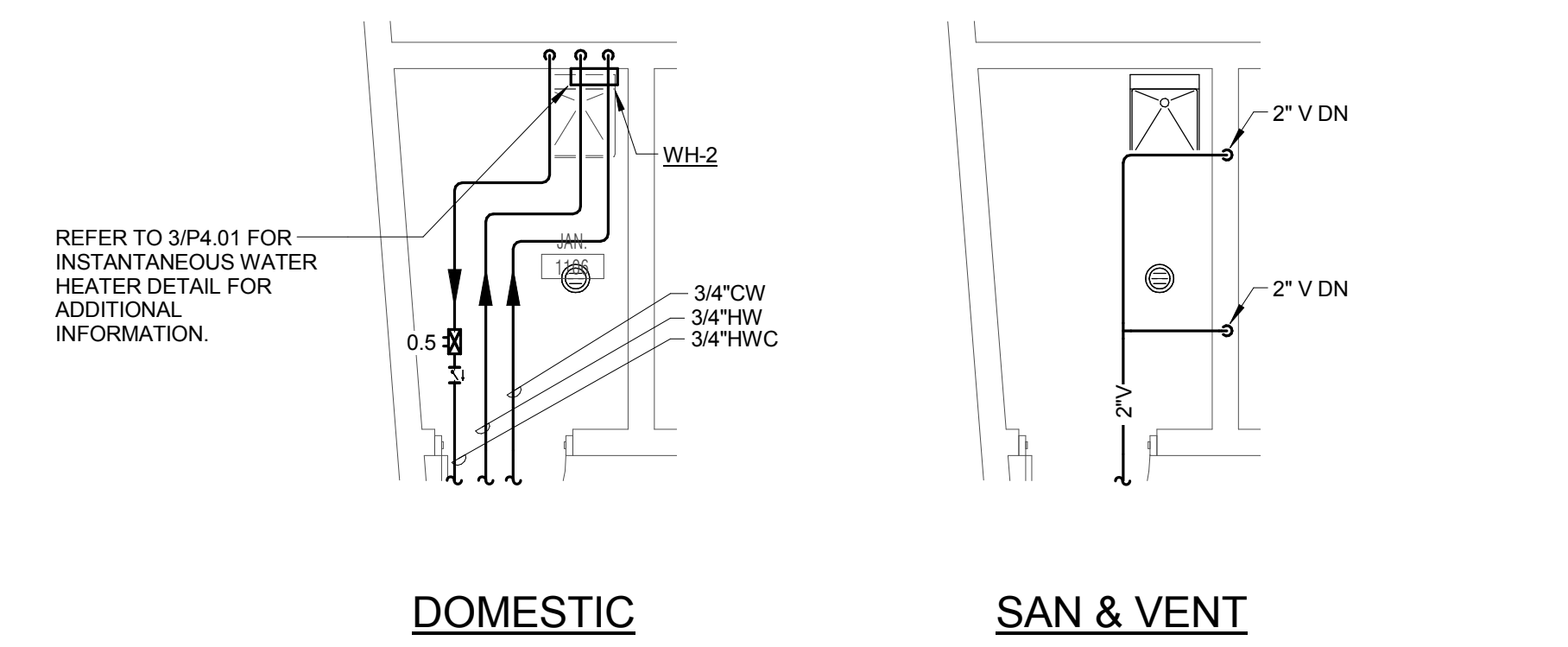
**ENLARGED PLAN - MEN'S & WOMEN'S RESTROOM - LEVEL 1 - AREA 1 - DOMESTIC**  
 2  
 1/4" = 1'-0"



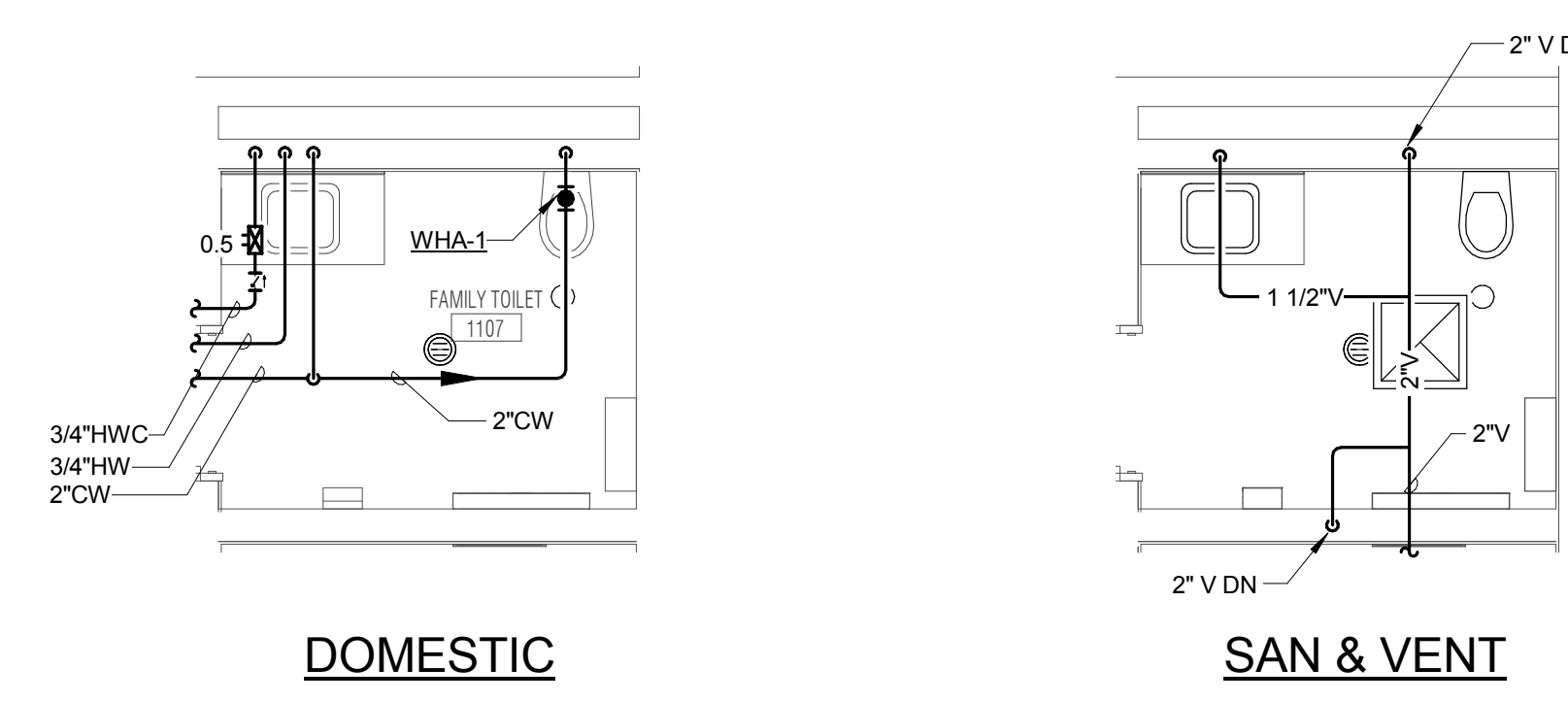
**ENLARGED PLAN - MEN'S & WOMEN'S RESTROOM - LEVEL 1 - AREA 3 - SAN & VENT**  
 3  
 1/4" = 1'-0"



**ENLARGED PLAN - MEN'S & WOMEN'S RESTROOM - LEVEL 1 - AREA 3 - DOMESTIC**  
 4  
 1/4" = 1'-0"



**ENLARGED PLAN - JANITOR CLOSET - LEVEL 1 - AREA 3**  
 5  
 1/4" = 1'-0"



**ENLARGED PLAN - FAMILY TOILET ROOM - LEVEL 1 - AREA 3**  
 6  
 1/4" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**PROJECT # 14044.00**  
 DESIGN FIRM REGISTRATION #18-08073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SUCH DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



**GENERAL PLUMBING NOTES**

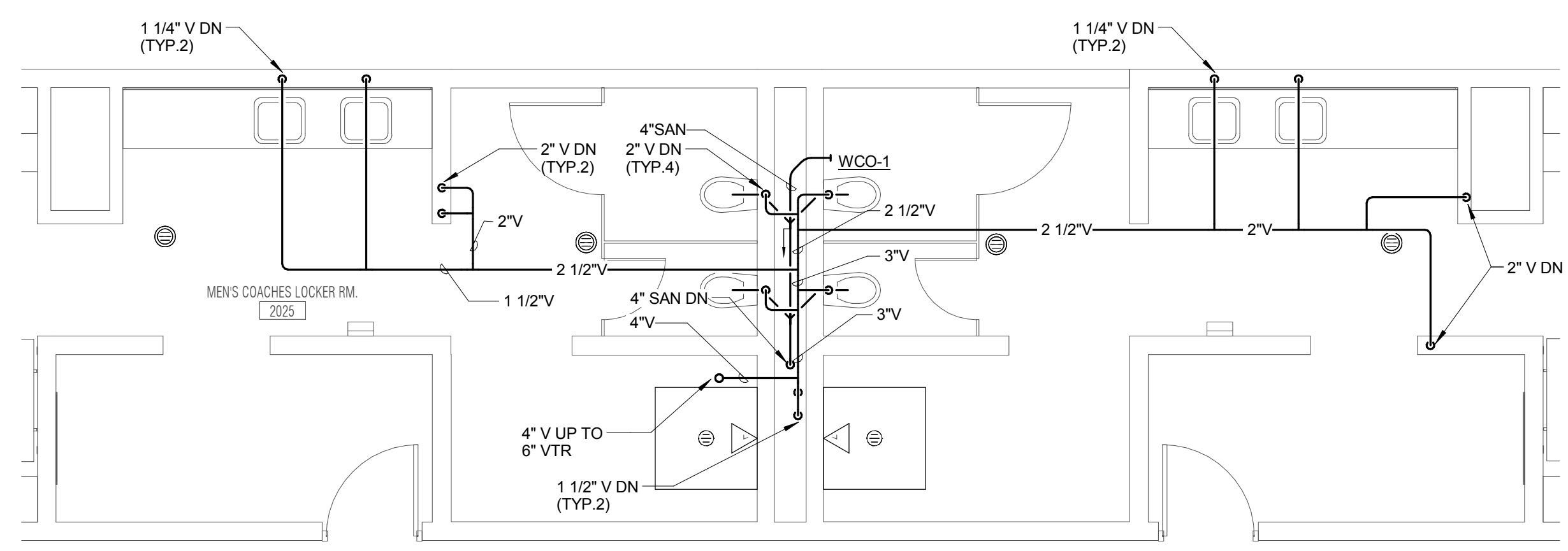
1. HWC PIPING SHALL CONNECT WITHIN 3 FEET OF HW PIPING CONNECTION TO FIXTURE.
2. REFER TO PLUMBING ROUGH IN SCHEDULE ON SHEET P-0.00 FOR SIZES OF BRANCH PIPING TO FIXTURES.
3. ALL PIPING SHALL BE 3/4" UNLESS NOTED OTHERWISE.



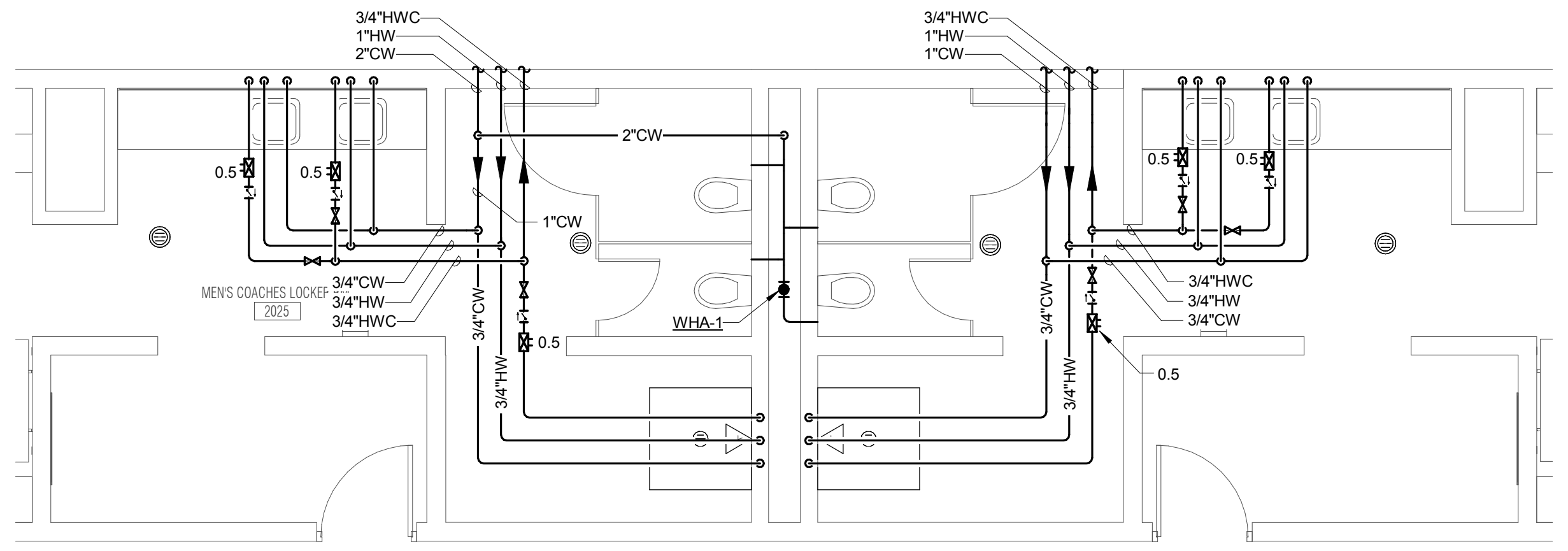
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

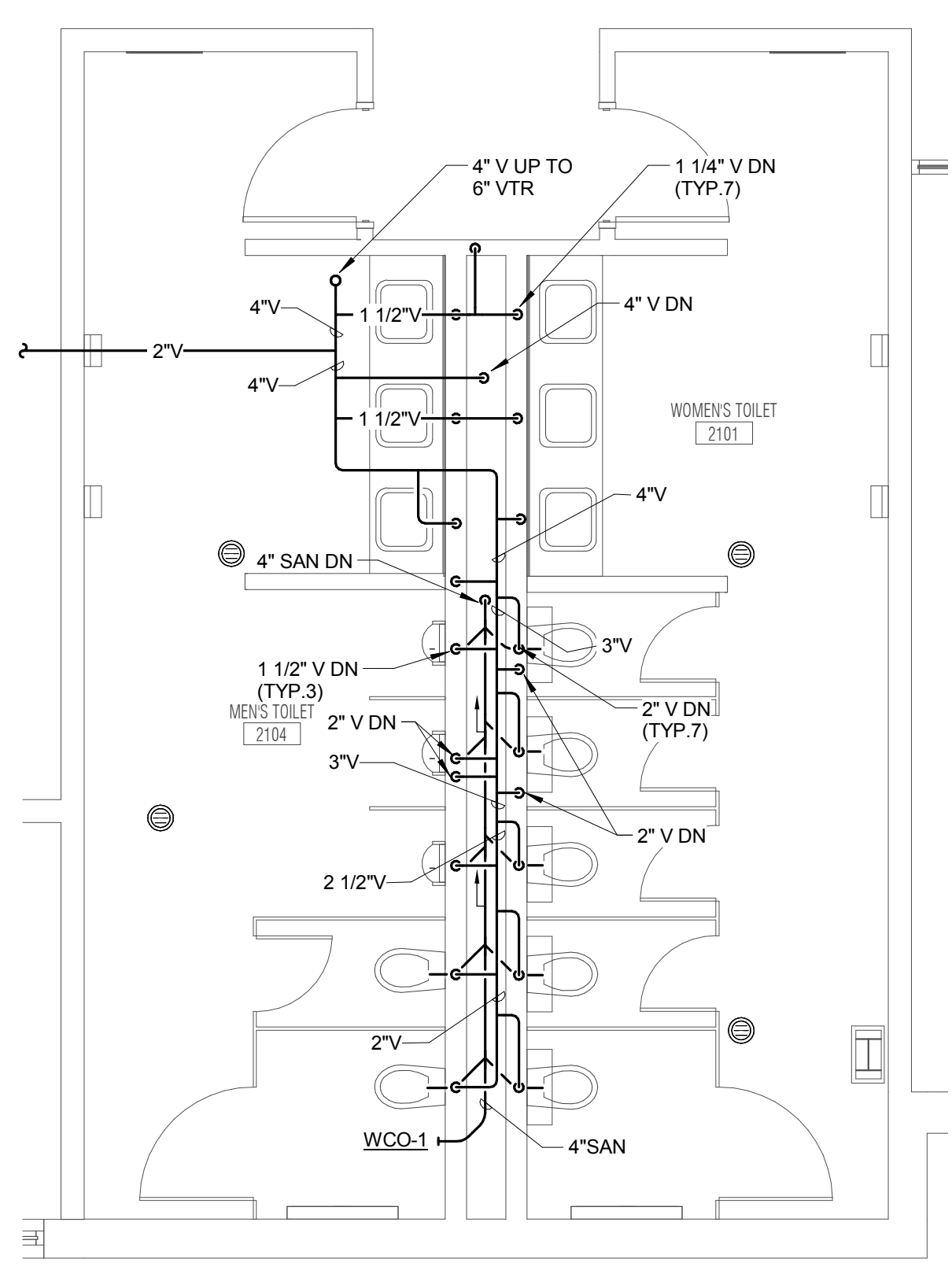
CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600



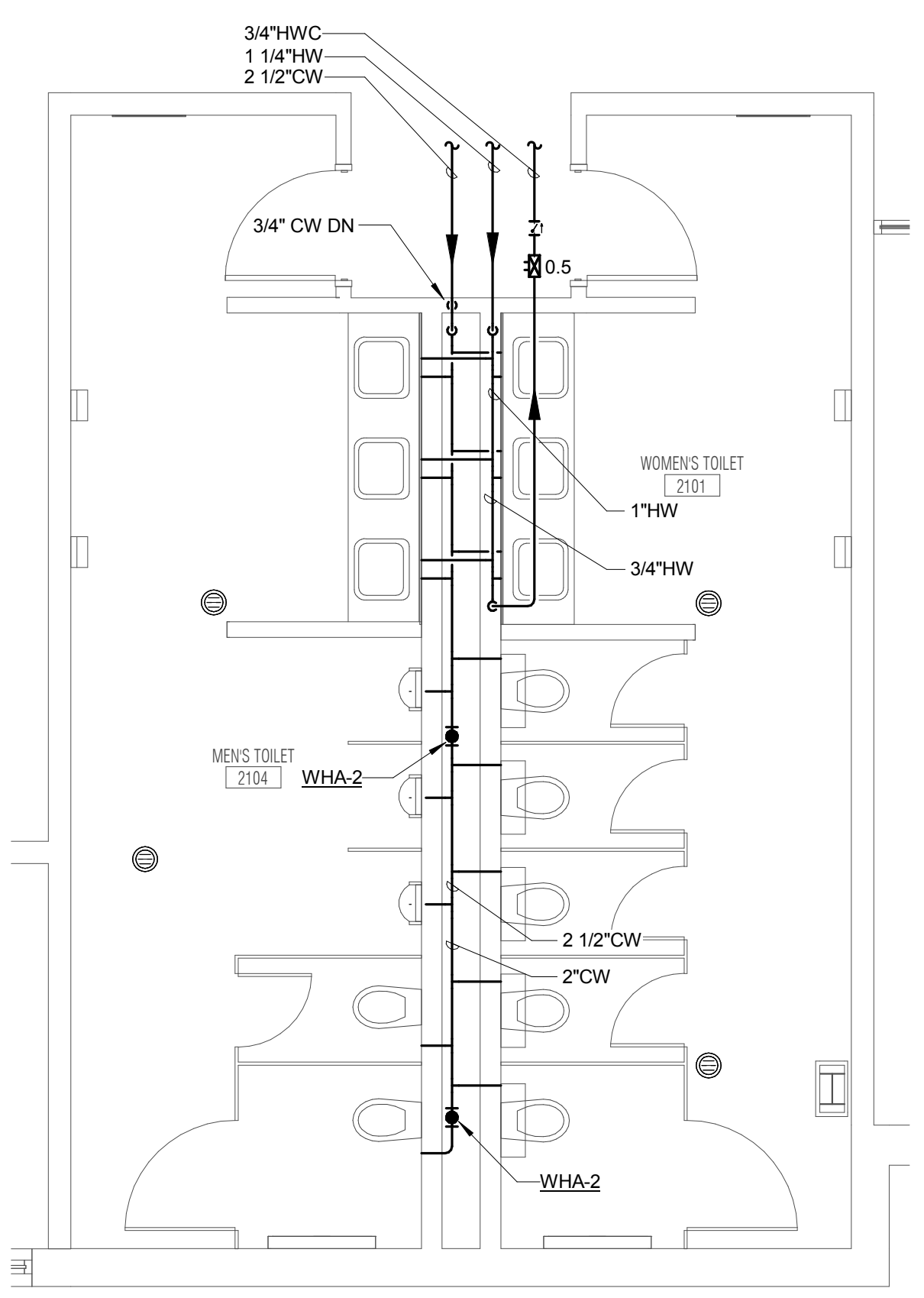
**ENLARGED PLAN - COACHES LOCKER ROOM - LEVEL 2 - AREA 1 - SAN & VENT**  
 1/4" = 1'-0"



**ENLARGED PLAN - COACHES LOCKER ROOM - LEVEL 2 - AREA 1 - DOMESTIC**  
 1/4" = 1'-0"



**ENLARGED PLAN - MEN'S & WOMEN'S RESTROOM - LEVEL 2 - AREA 1 - SAN & VENT**  
 1/4" = 1'-0"



**ENLARGED PLAN - MEN'S & WOMEN'S RESTROOM - LEVEL 2 - AREA 1 - DOMESTIC**  
 1/4" = 1'-0"

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ENLARGED PLANS - PLUMBING**

SHEET NUMBER:  
**P3.02**

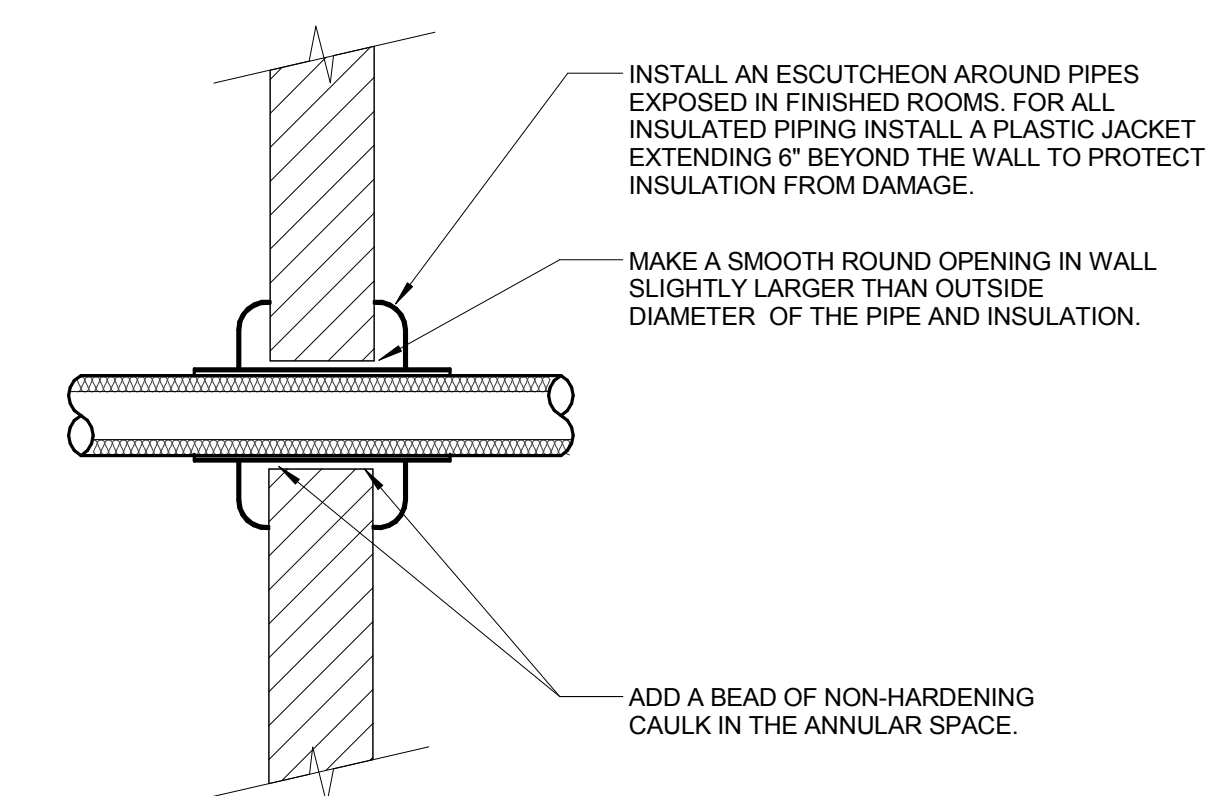
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**THE FUTURE IS SMARTER**  
 PROJECT # 14044.00  
 DESIGN FIRM REGISTRATION #18-08073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3

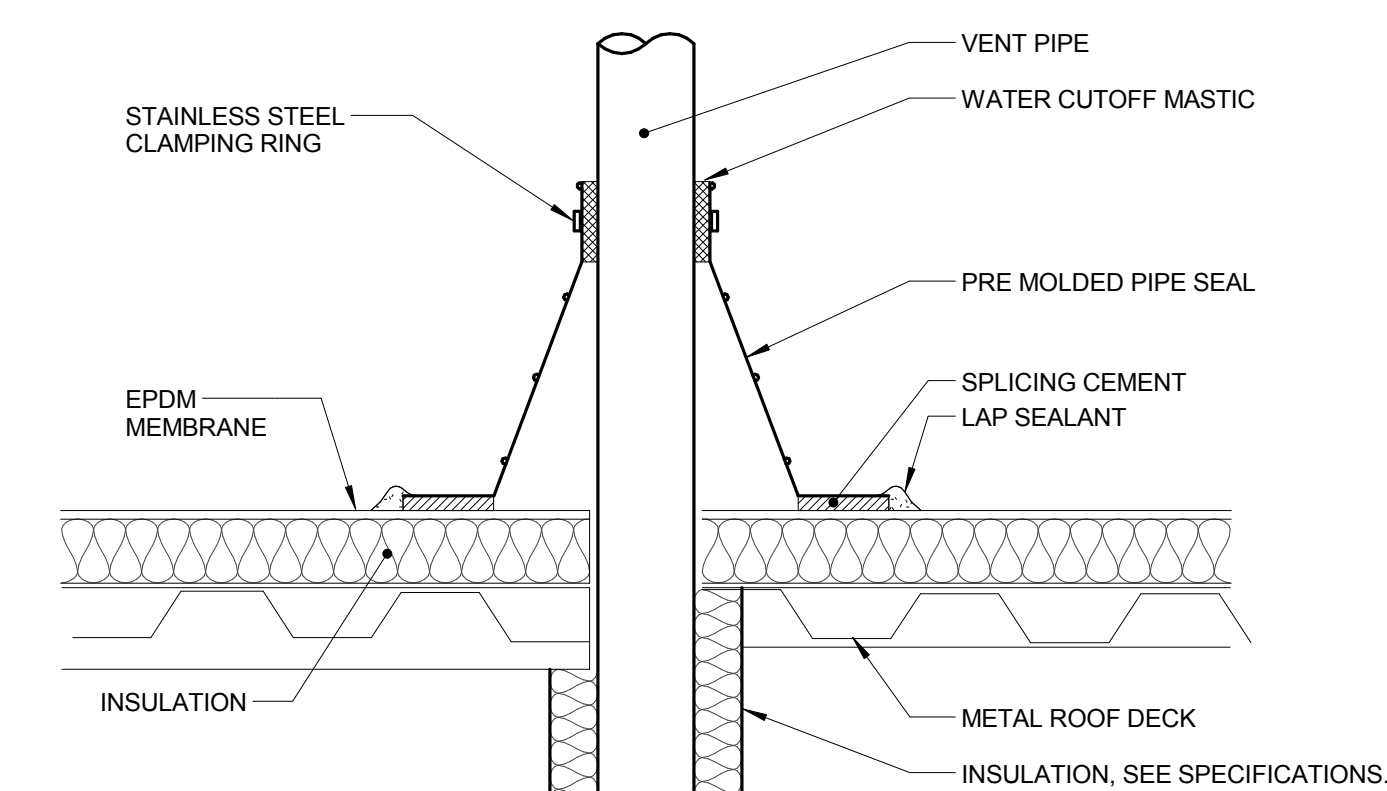
NO.	DESCRIPTION:	DATE:



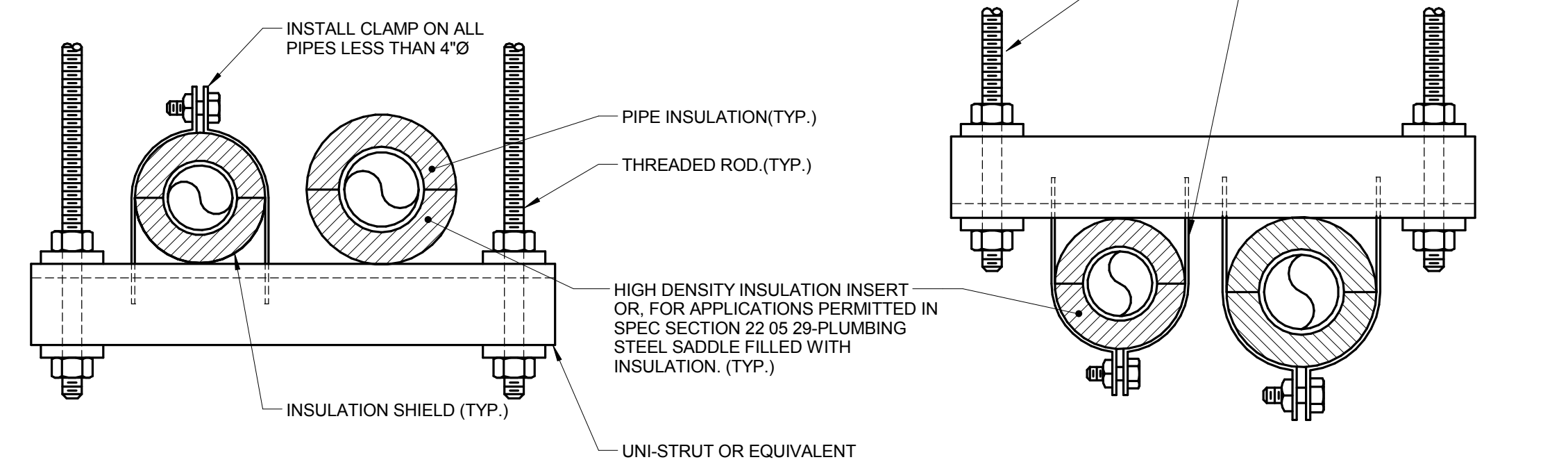
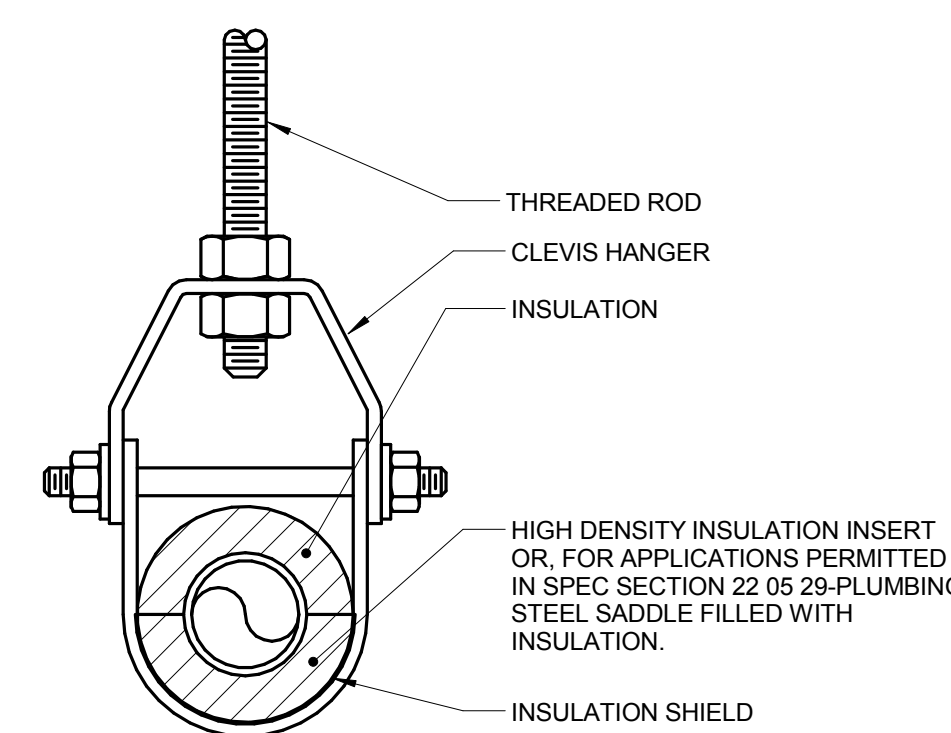
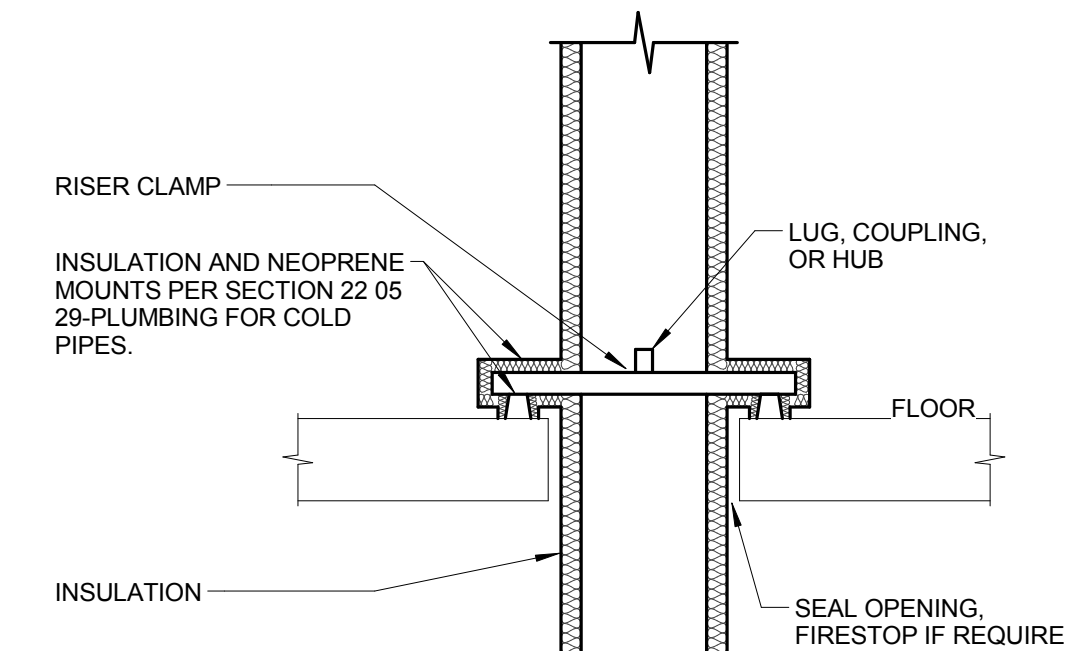
**3 PIPE THROUGH NON-FIRE RATED WALL**  
 NO SCALE

NOTES:

1. THIS DETAIL APPLIES TO ALL PIPES. THE INTENTION IS TO CONTINUE THE INSULATION AND VAPOR BARRIER THROUGH ALL PENETRATIONS. PERMIT THERMAL EXPANSION WITHOUT DAMAGING INSULATION, AND TO SEAL AIRTIGHT AROUND INSULATED AND UNINSULATED PIPES FOR NOISE TRANSMISSION CONTROL.
2. FLOOR OPENINGS ARE SIMILAR SEE SPECIFICATION SECTION 22 05 29 - PLUMBING FOR DIFFERENCES BETWEEN FLOOR AND WALL PENETRATIONS.
3. SEE SPECIFICATION SECTION 22 05 03 - PLUMBING AND SECTION 22 05 29 - PLUMBING FOR ADDITIONAL INFORMATION.



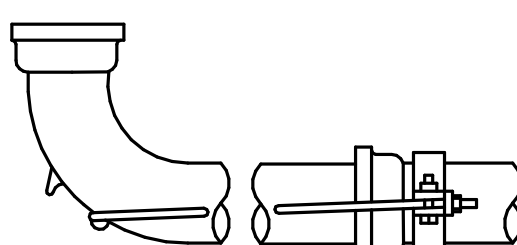
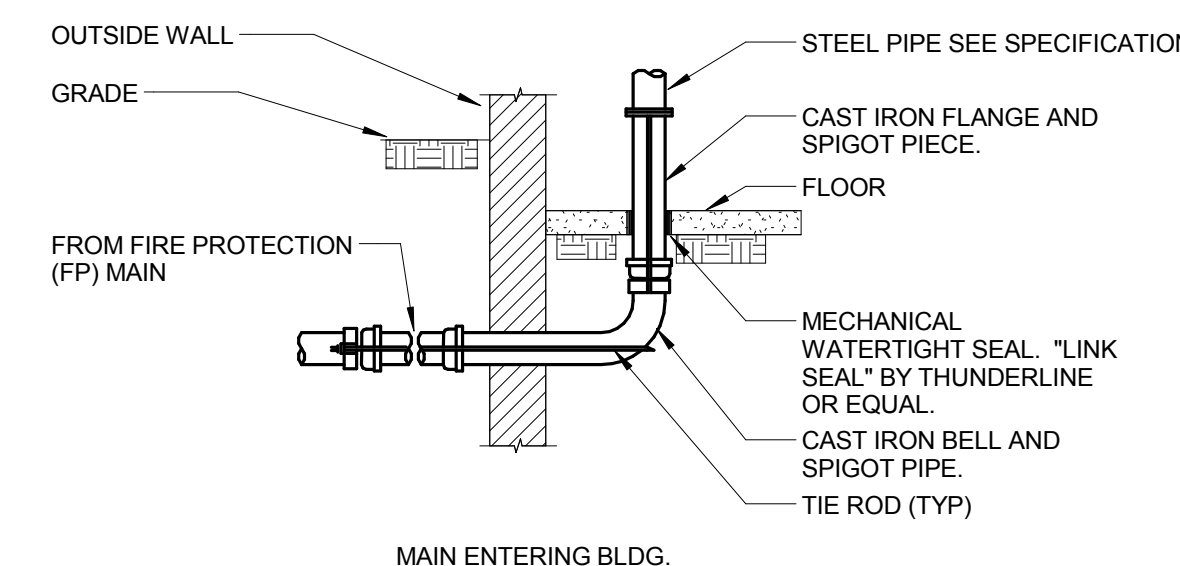
**4 VENT PIPE FLASHING**  
 NO SCALE



**2 PIPE SUPPORT DETAIL**  
 NO SCALE

NOTES:

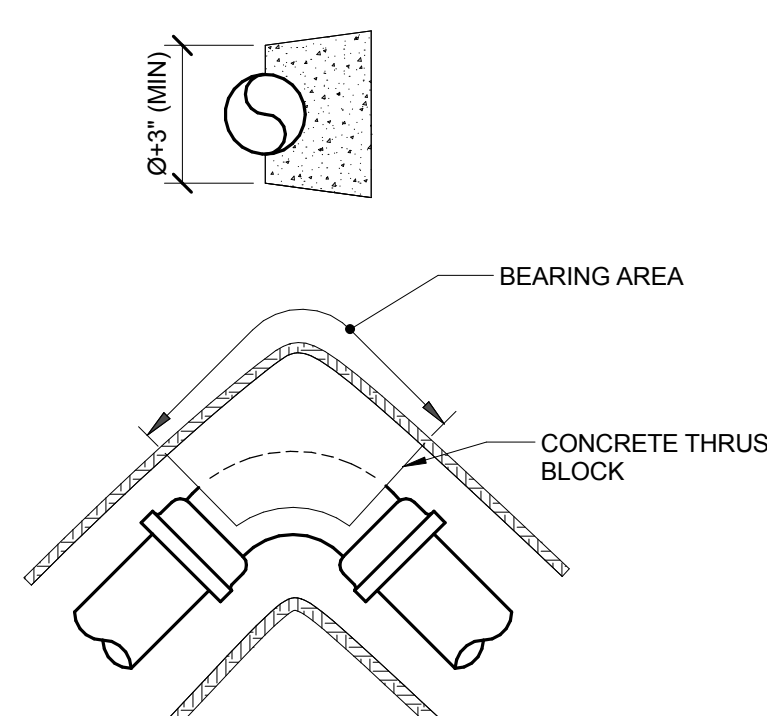
1. REFER TO SPECIFICATION SECTION 22 05 29-PLUMBING & SECTION 22 07 19-PLUMBING.



ANCHOR RODS

ROD AND CLAMP ANCHORAGE

PIPING NOMINAL SIZE (IN.)	CLAMP SIZE (IN.)	BOLT SIZE (IN.)	NUMBER OF RODS AND ROD SIZE (IN.) FOR ROD AND CLAMP ANCHORAGE								
			MECHANICAL JOINT				PUSH ON JOINT				
			WASHER (IN.)	90°		45°		TEE, HYDRANT CAP, PLUG	90°		45°
8	5/8x2-1/2	5/8	CAS T IRON 5/8x3	STEEL 1/2x3	4 3/4	2 3/4	4 3/4	TEE, HYDRANT CAP, PLUG	4 3/4	2 3/4	4 3/4



THRUST BLOCKS

AREA OF BEARING FACE OF CONCRETE THRUST BLOCKS

PIPING NOMINAL SIZE (IN.)	MIN. SQ. FT.	
	CAST IRON AND DUCTILE IRON	TEES, PLUGS, CAPS, HYDRANTS
8	11	8

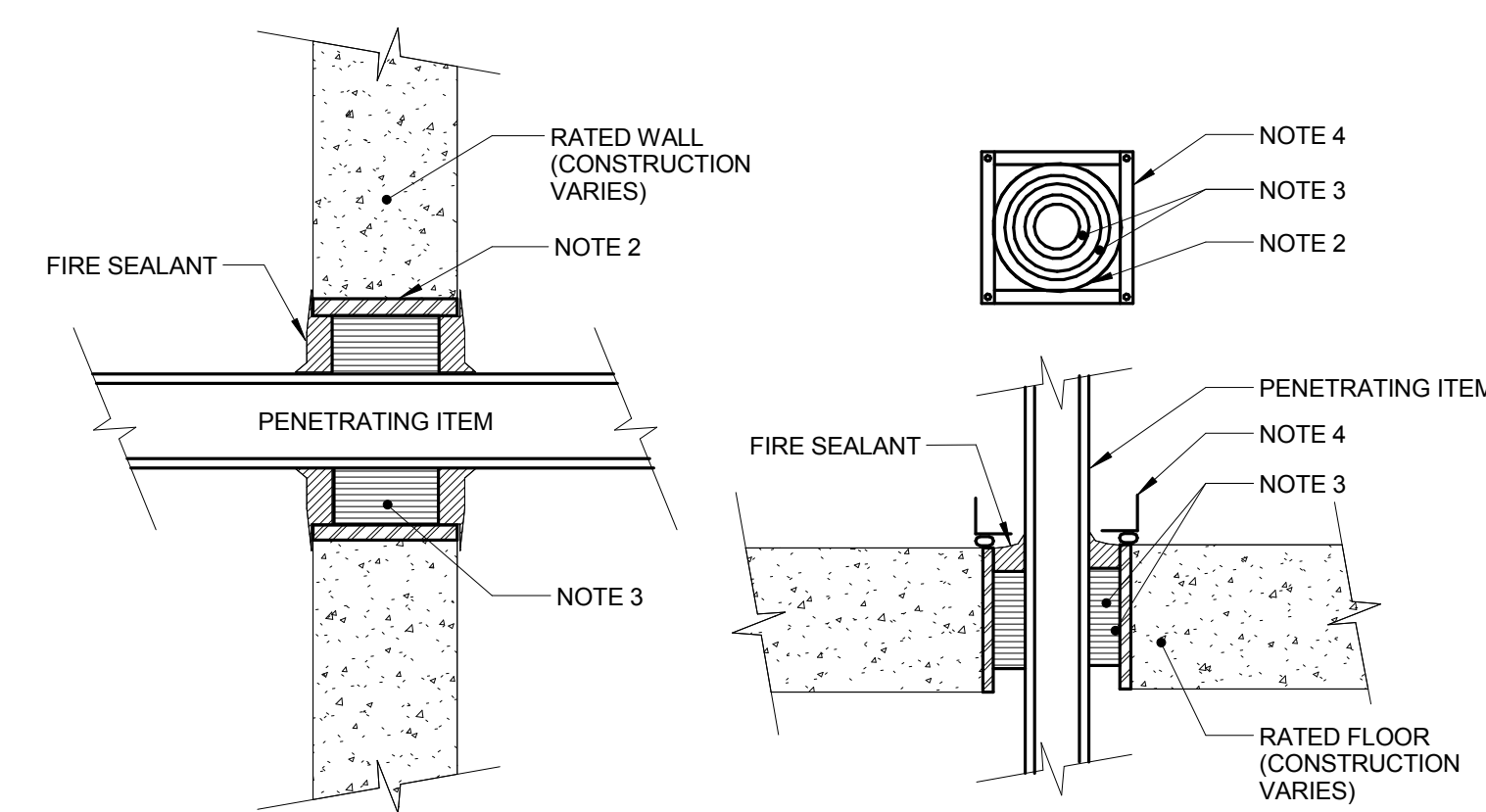
BASIS: 2,000 LB/SQ.FT. SOIL RESISTANCE.  
 250 PSI WATER PRESSURE.  
 CORRECTION FACTORS FOR OTHER SOILS:  
 SOFT CLAY.....4  
 SAND.....2  
 SAND&GRAVELL.....1.33  
 SHALE.....0.4

- NOTES:
1. AFTER INSTALLATION, PROTECT TIE RODS, BOLTS, NUTS, WASHERS AND CLAMPS AGAINST CORROSION WITH A HEAVY COAT OF ASPHALT MATERIAL.
  2. THE LENGTH OF THE ROD REQUIRED WILL VARY WITH THE PIPE FITTING, AND MUST BE DETERMINED BY FIELD MEASUREMENT. IF THE DISTANCE BETWEEN THE JOINTS IS LESS THAN 12 FEET, EXTEND THE ANCHORAGE TO THE SECOND BELL.

**1 UNDERGROUND WATER MAIN ANCHORING DETAIL**  
 NO SCALE

NOTES:

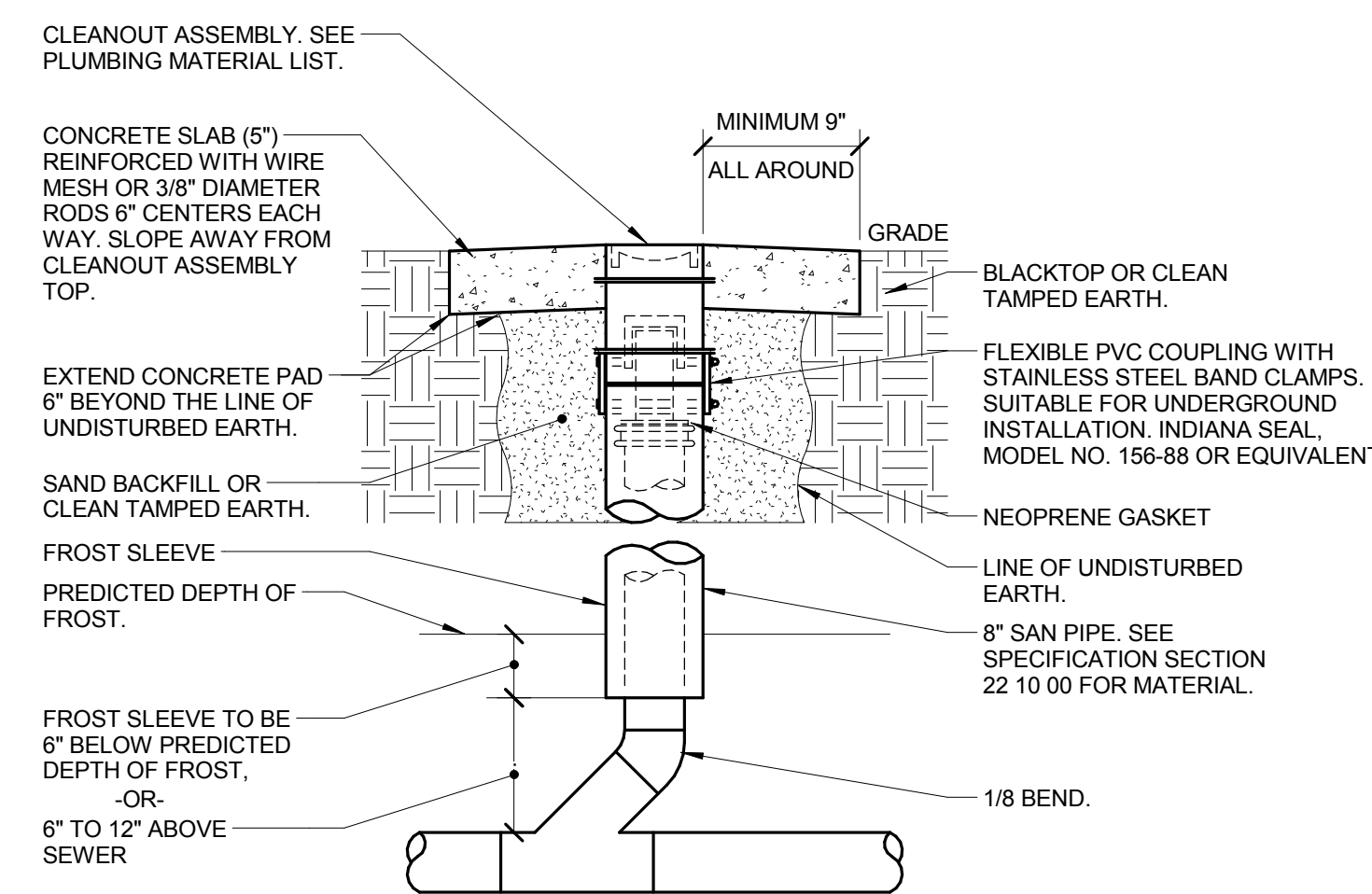
1. BOTH THRUST BLOCKING AND ANCHOR RODS ARE REQUIRED.
2. REFER TO THE GOVERNING CODE AND NFPA 24 FOR ADDITIONAL REQUIREMENTS.



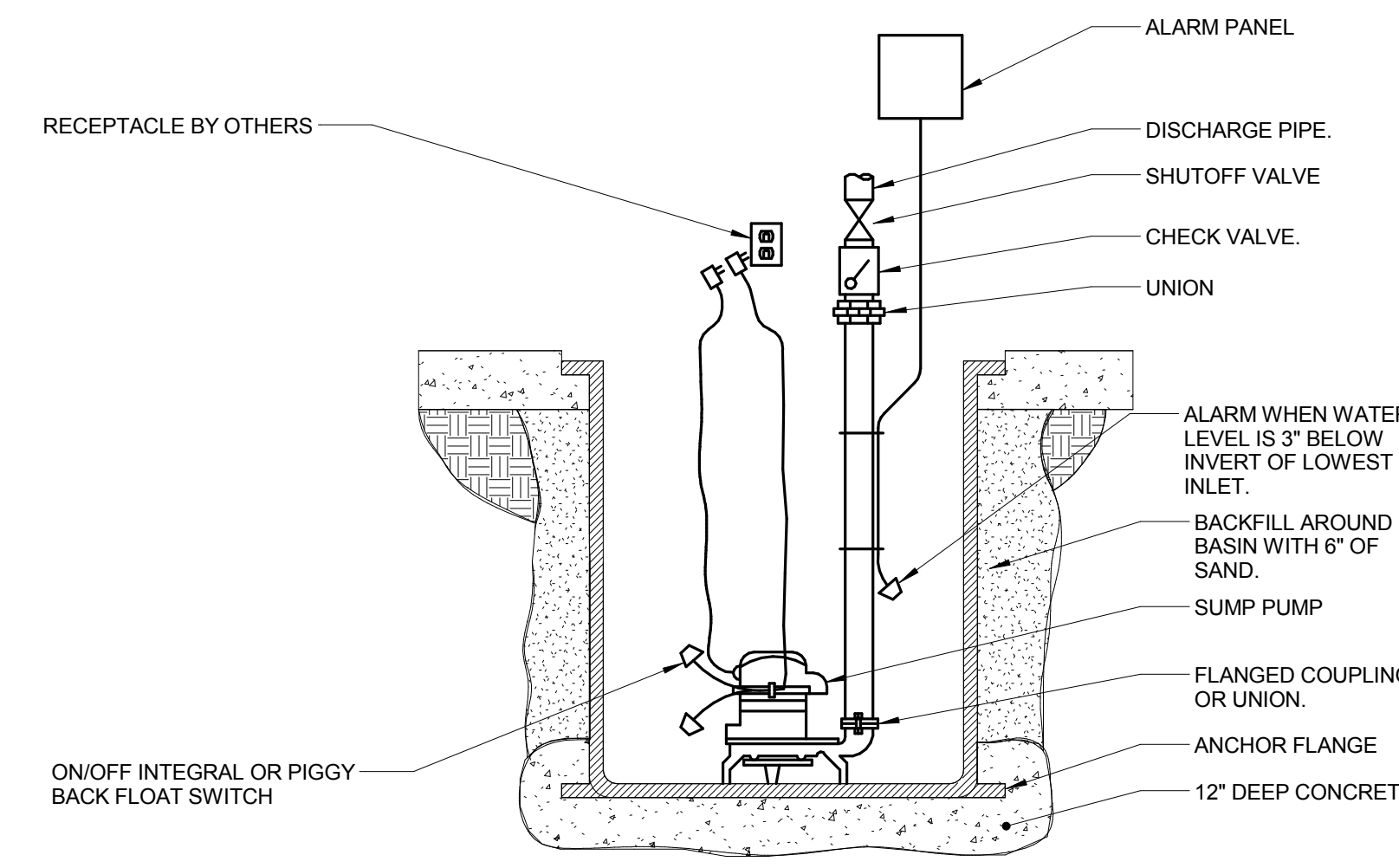
**5 RATED FIRE BARRIER PENETRATION**  
 NO SCALE

NOTES:

1. THIS GENERAL DETAIL APPLIES TO ALL ITEMS PENETRATING FIRE RATED WALLS OR FLOORS. THE INTENT IS TO MAINTAIN THE FIRE RATING AND TO ALLOW LONGITUDINAL MOVEMENT. REFER TO SPECIFICATION SECTION 22 05 03 - PLUMBING FOR SELECTION OF THROUGH PENETRATION FIRE STOPPING.
2. SCHEDULE 5 PIPE SLEEVE EMBEDDED IN WALL OR FLOOR, OR SMOOTH CORE DRILL, EACH CONTRACTOR FURNISHES SLEEVE TO G.C. COORDINATES SLEEVE LOCATIONS AND DEBURS SLEEVE. G.C. BUILDS SLEEVE INTO WALL OR FLOOR ALLOWING NO GAP AROUND SLEEVE. IF SLEEVE IS NOT PROVIDED WHEN WALL OR FLOOR IS BUILT, CONTRACTOR SHALL INSTALL SLEEVE. SLEEVE SIZE SHALL ALLOW ANNULAR SPACE REQUIRED BY THE SELECTED FIRE STOP SYSTEM.
3. INSTALL BACKING MATERIAL, SUCH AS MINERAL WOOL SAFING, AS REQUIRED FOR FIRE STOP SYSTEM. INSTALL IN ACCORDANCE WITH FIRE STOP SYSTEM APPLICATION LISTING. SECURE TO WALL OR FLOOR TO ALLOW LONGITUDINAL MOVEMENT OF PENETRATING ITEM WITHOUT MOVEMENT OF FIRE BARRIER.
4. WATERTIGHT WELDED 1"x1" 20 GAUGE MINIMUM GALVANIZED SHEET METAL ANGLE FRAME, BY CONTRACTOR IN EQUIPMENT ROOMS FOR WATER STOP. PLACE A BEAD OF WATERPROOF SEALANT BETWEEN FLOOR AND BOTTOM OF ANGLE FRAME. SECURE TO FLOOR WITH MASONRY ANCHORS IN CORNERS AND ON 12" MAXIMUM CENTERS. MULTIPLE PENETRATING ITEMS MAY BE ENCLOSED IN ONE FRAME.



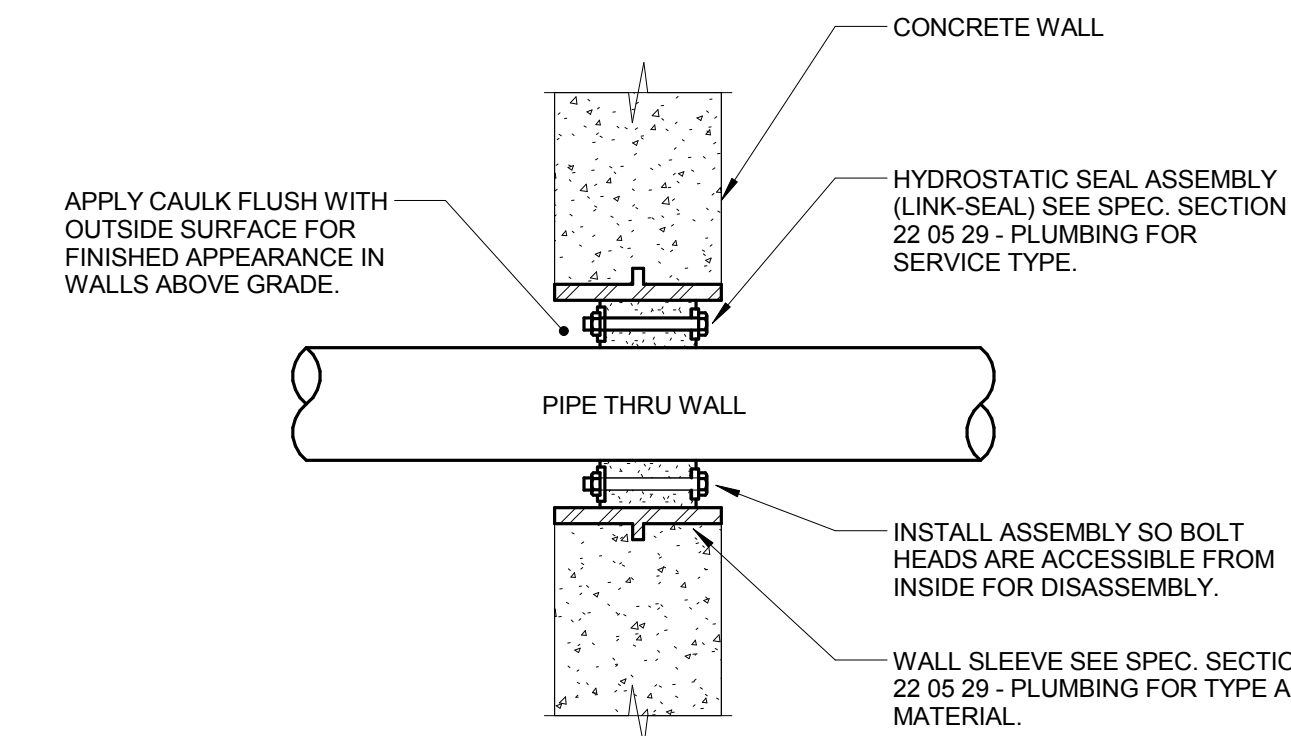
**6 YARD CLEANOUT DETAIL**  
 NO SCALE



**7 SUMP PUMP DETAIL**  
 NO SCALE

NOTES:

1. SUMP PUMPS THAT DISCHARGE TO STORM SHALL BE INSTALLED WITH THE TOP OF THE SUMP BASIN 2" ABOVE FLOOR LEVEL. A 2" HIGH X 4" WIDE CONCRETE CURB AROUND THE PERIMETER OF THE BASIN LID MAY BE USED IN LIEU OF RAISING THE ENTIRE SUMP BASIN.



**8 EXTERIOR WALL PENETRATION**  
 NO SCALE

NOTES:

1. CONTRACTOR MAY FABRICATE PIPE SLEEVE.
2. SEAL SELECTION BASED ON O.D. OF PIPE THRU WALL AND I.D. OF SLEEVE.
3. SLEEVE NOT REQUIRED FOR CORE DRILLED PENETRATIONS.





ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:

**PLUMBING DETAILS**

SHEET NUMBER:

**P4.01**

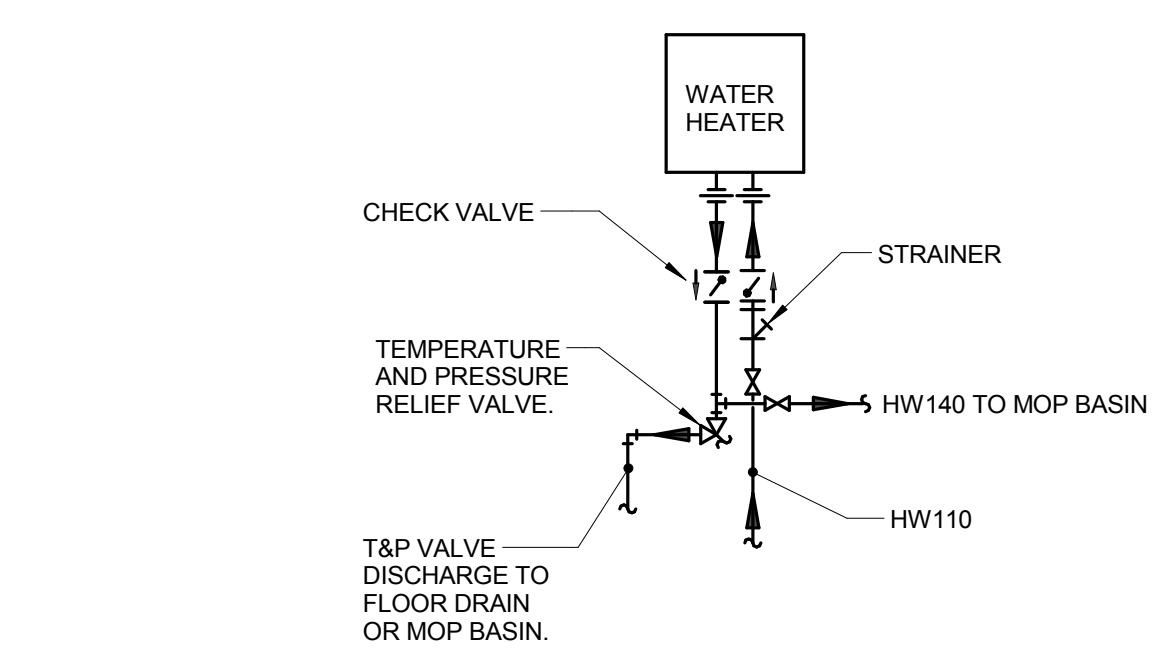
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT #: 14044.00  
 DESIGN FIRM REGISTRATION #18-08073

**KJWW ENGINEERING** RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3

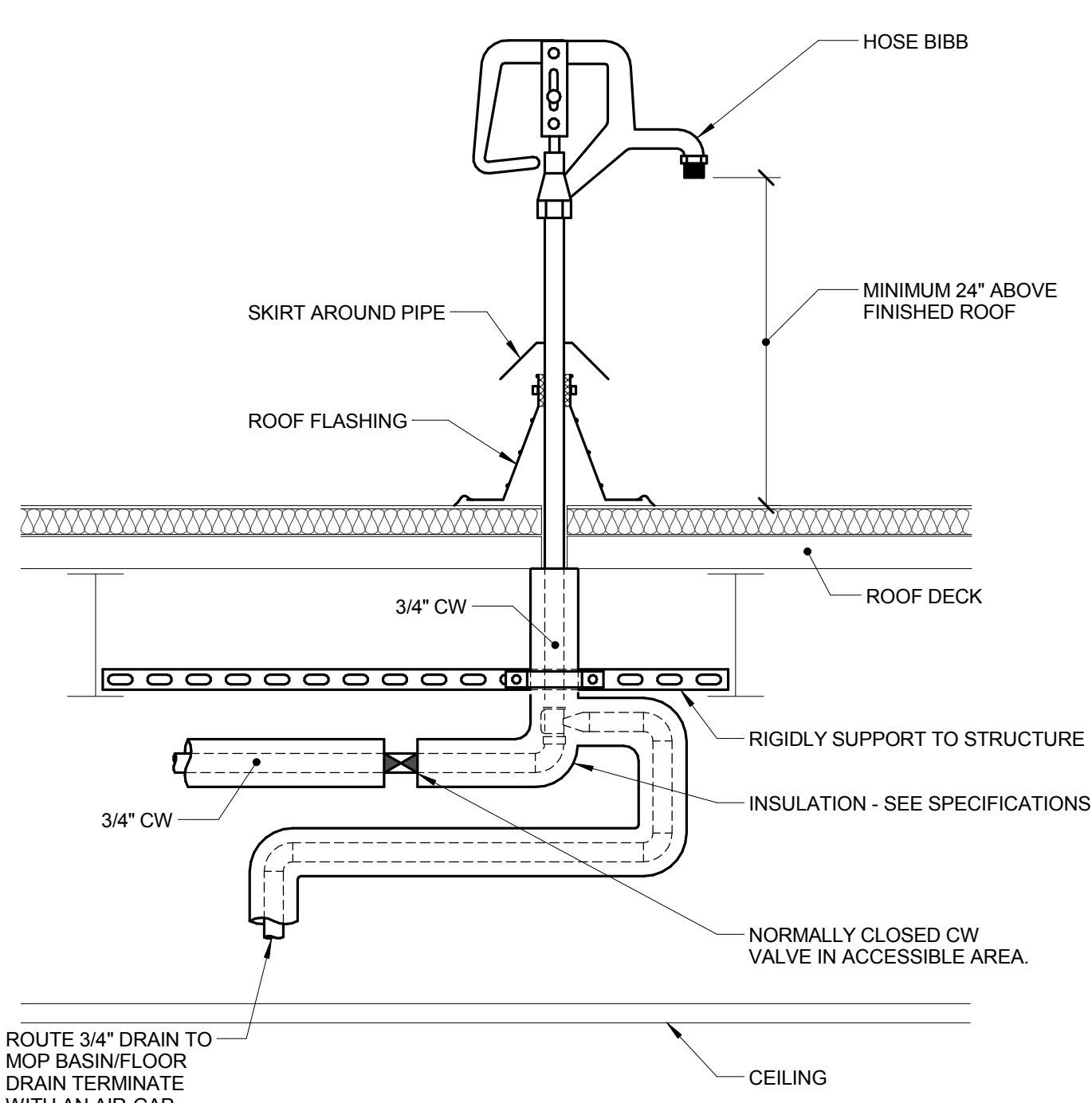
**3 INSTANTANEOUS WATER HEATER PIPING DETAIL**

NO SCALE  
 NOTES:  
 1. TEMPERATURE AND PRESSURE RELIEF VALVE IS REQUIRED FOR ALL MOP BASINS.  
 2. INSTALL STRAINER UPSTREAM OF WATER HEATER.



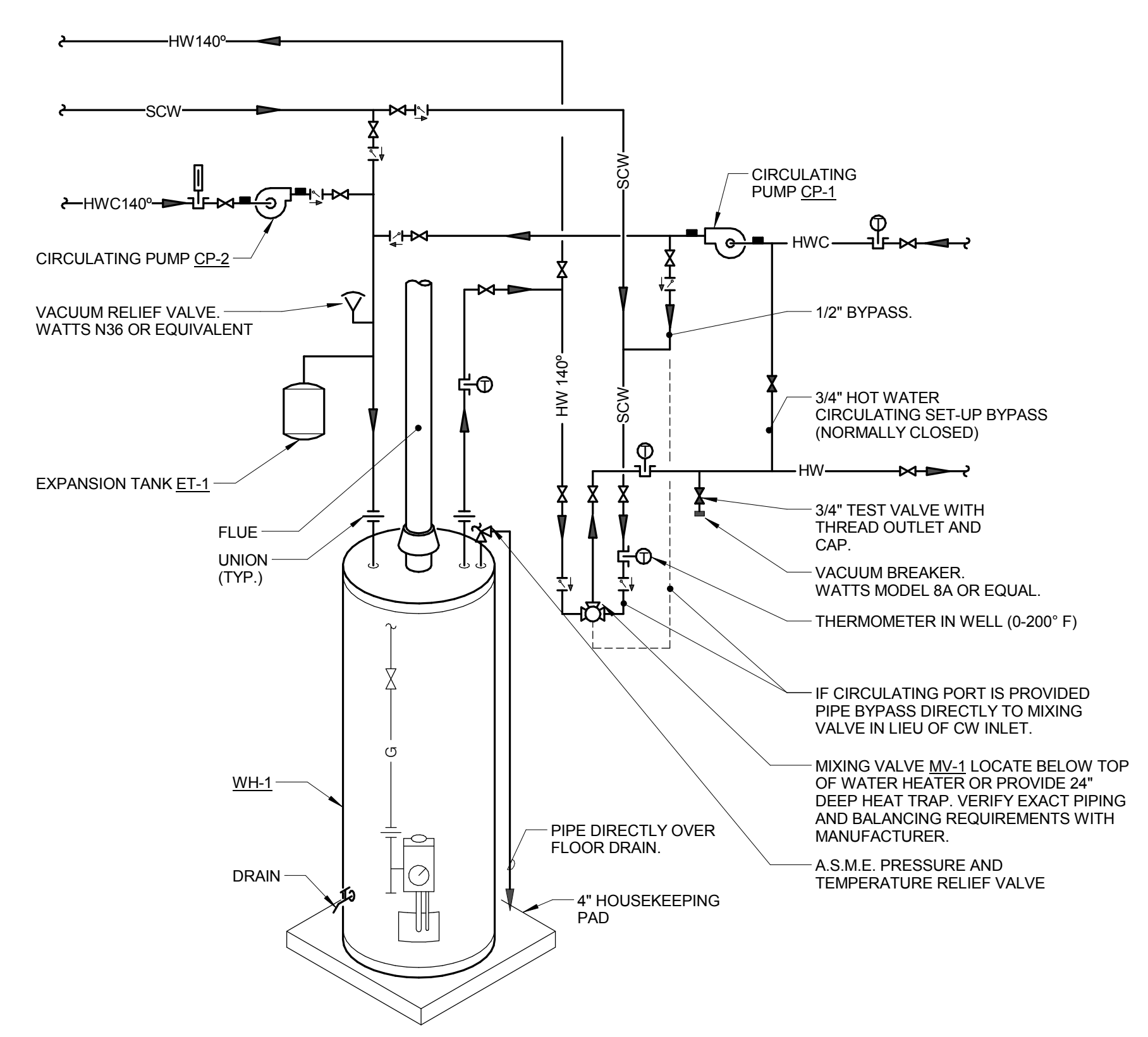
**2 ROOF HOSE BIBB DETAIL**

NO SCALE



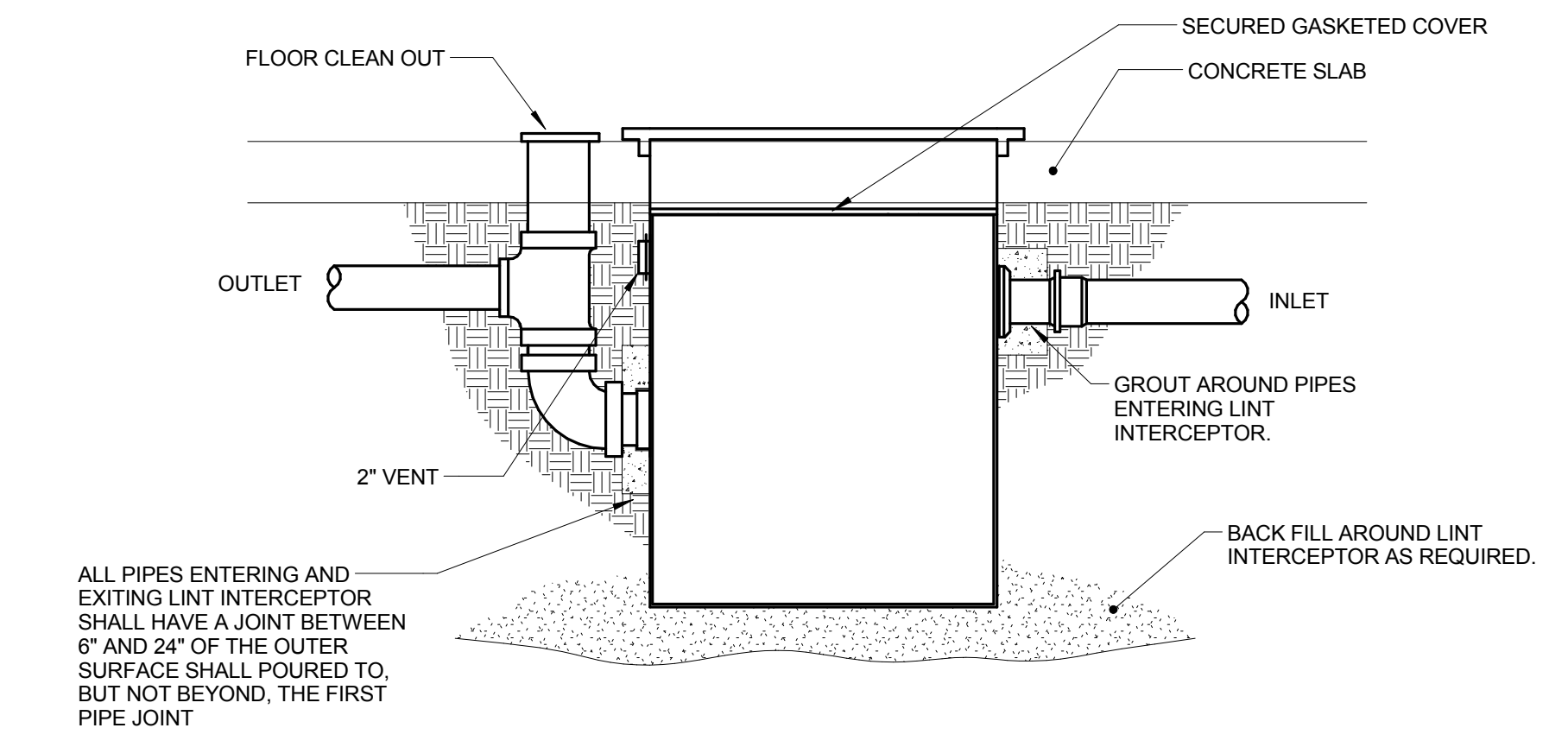
**1 WATER HEATER (GAS) DETAIL**

NO SCALE



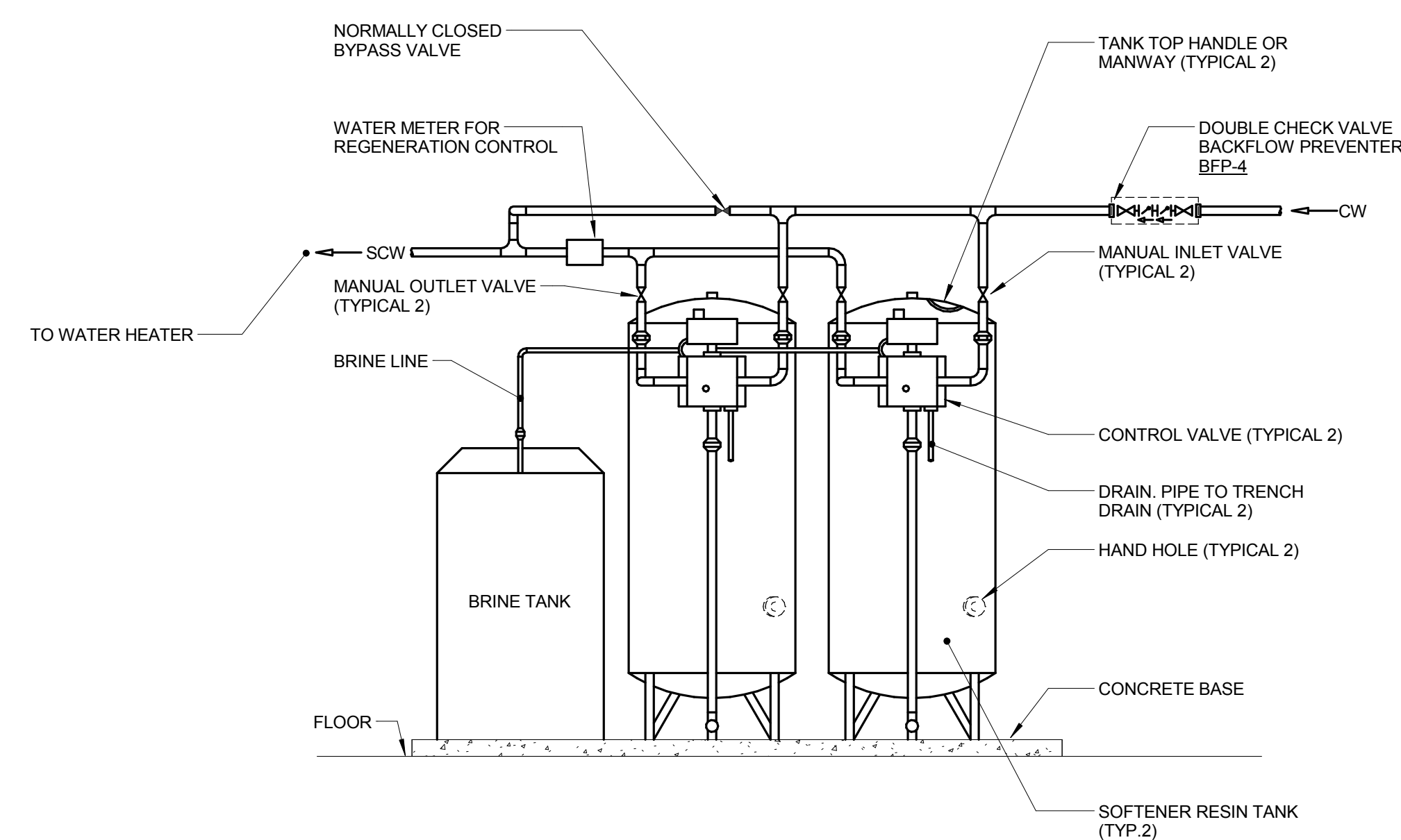
**4 LINT INTERCEPTOR DETAIL**

NO SCALE



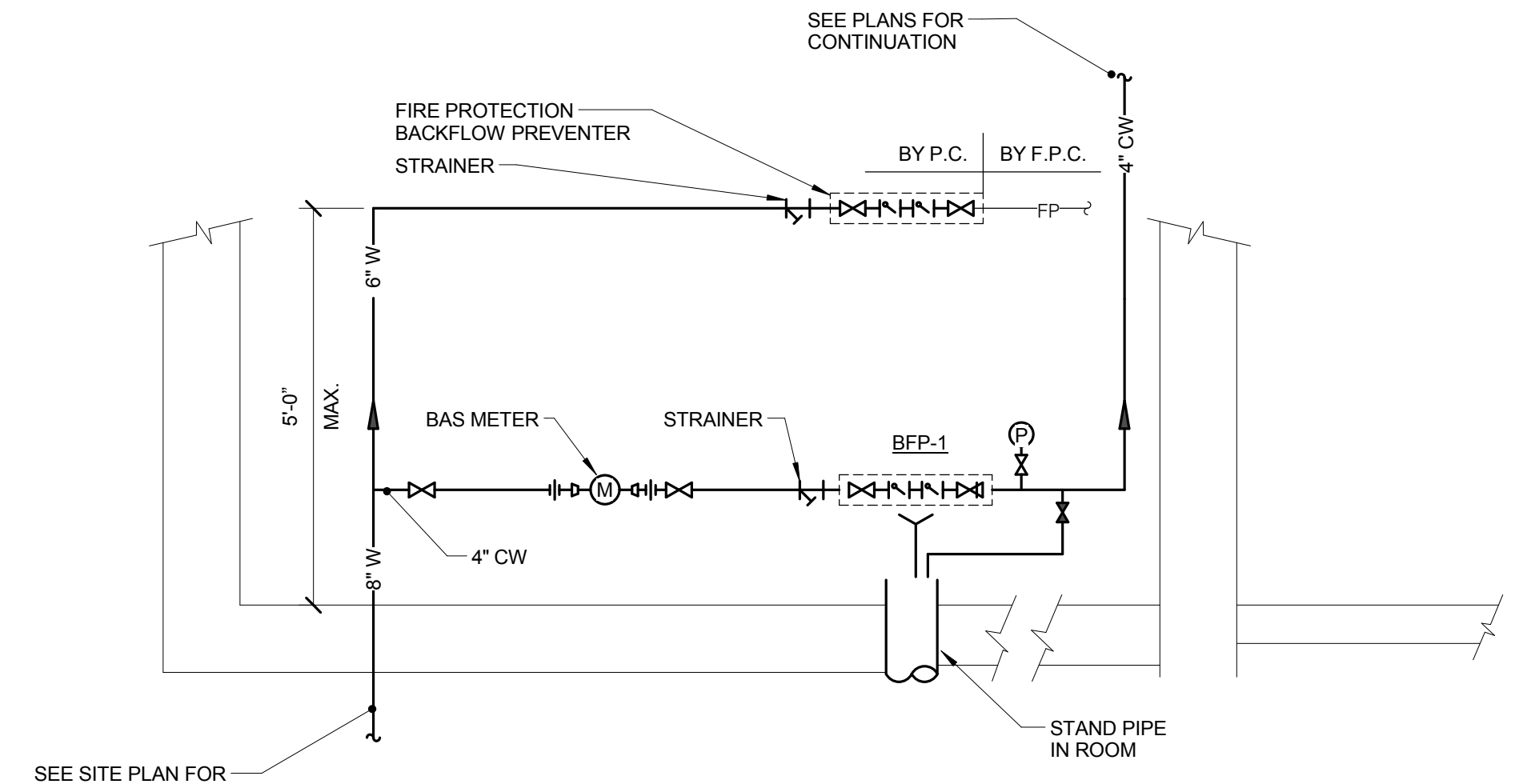
**5 WATER SOFTENER DETAIL**

NO SCALE



**6 DOMESTIC WATER ENTRANCE**

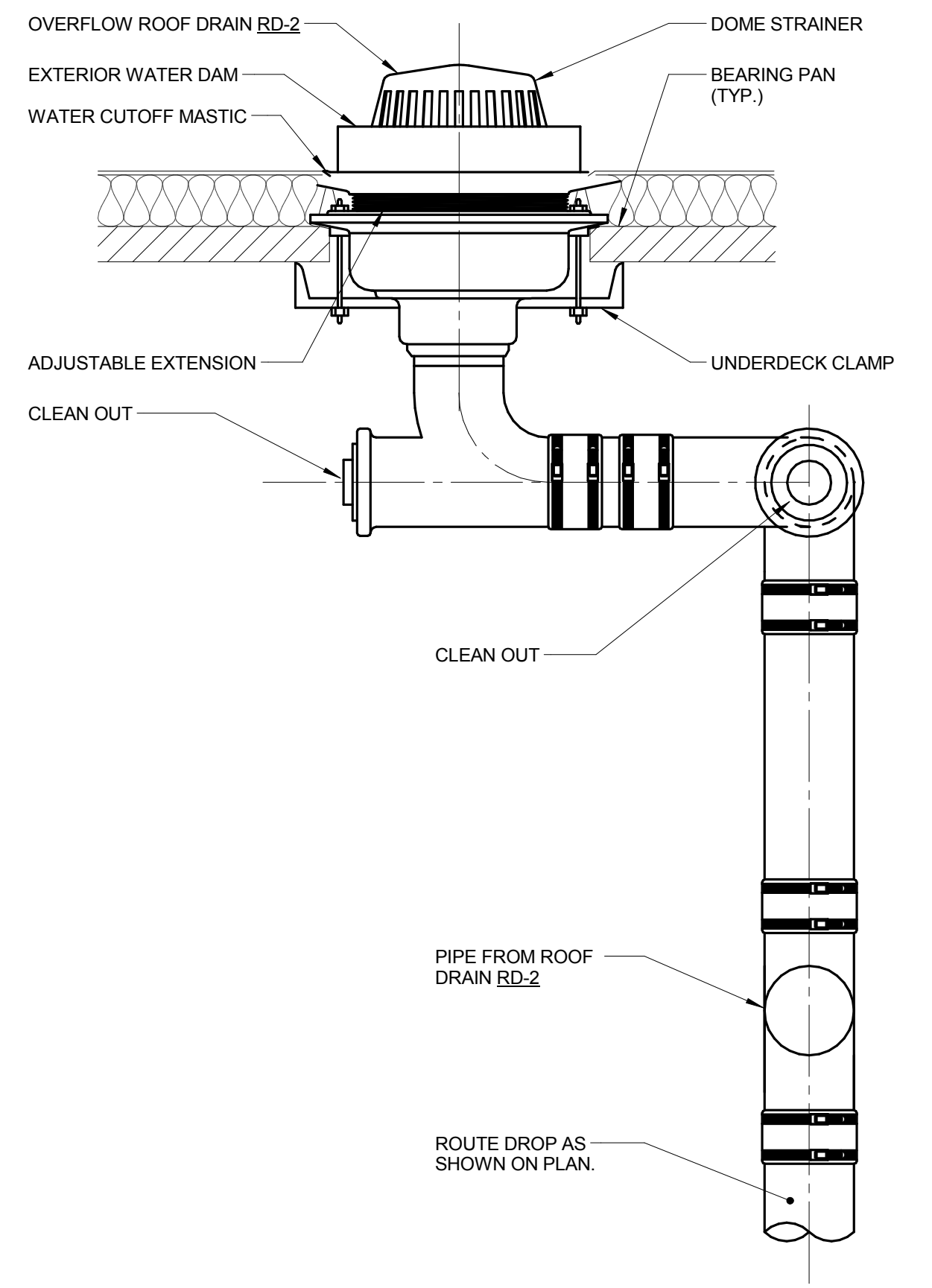
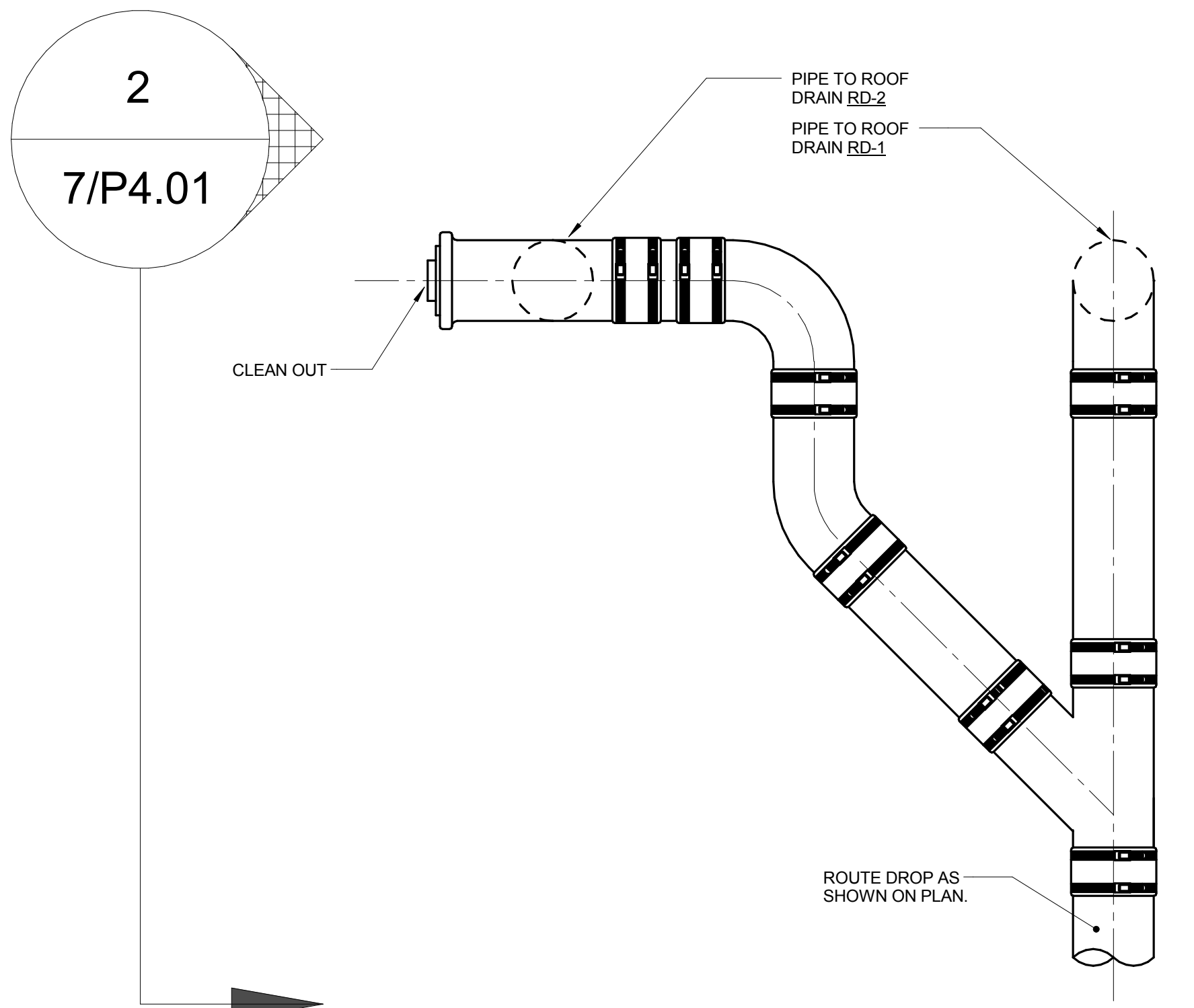
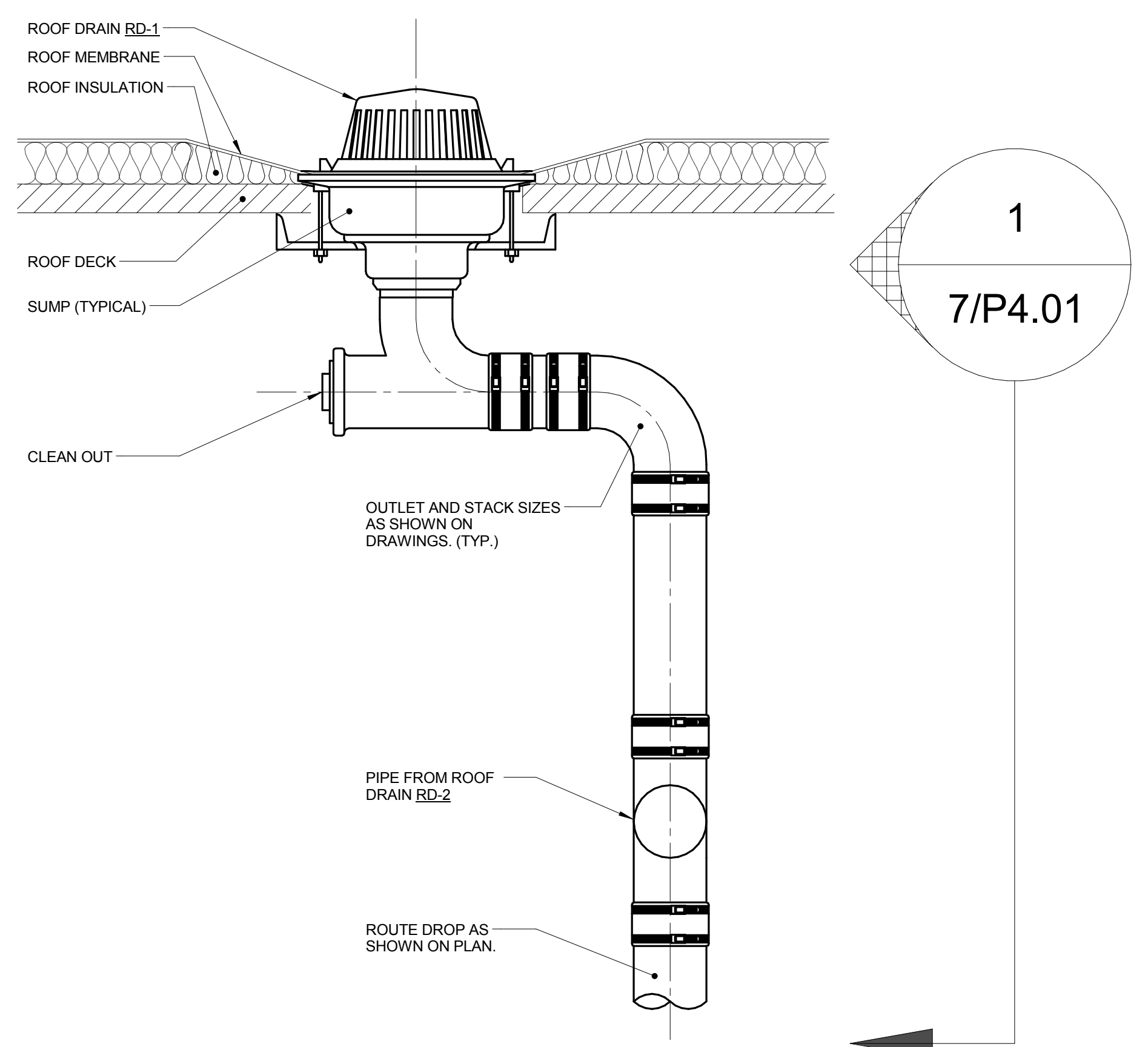
NO SCALE



**7 ROOF DRAIN DETAIL**

NO SCALE

NOTES:  
 1. DETAIL ABOVE IS DIAGRAMMATIC ONLY REFER TO FLOOR PLANS FOR EXACT ROUTING REQUIREMENTS AND TIE-IN LOCATIONS.



**SECTION 1**

**SECTION 2**











ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

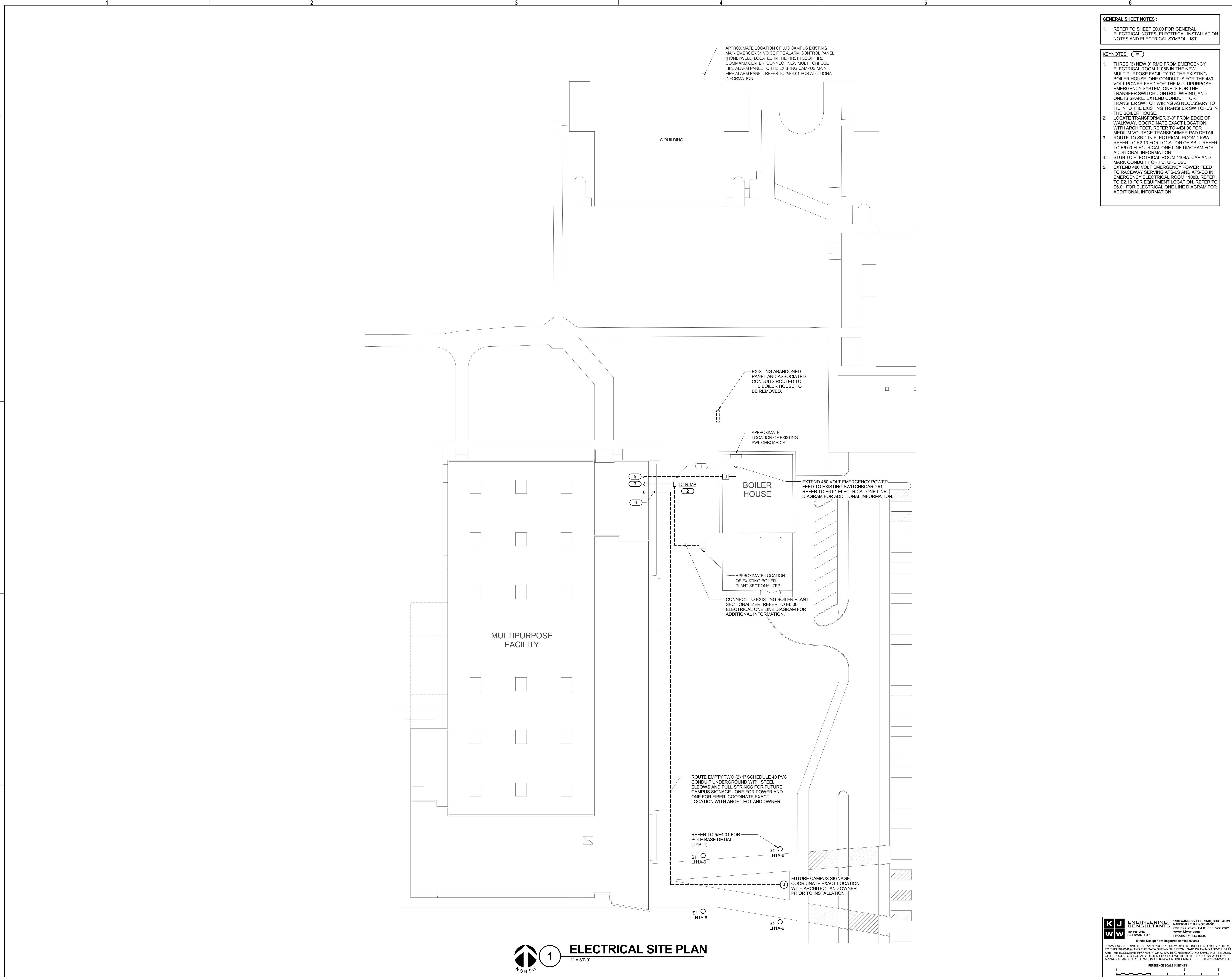
CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**GENERAL SHEET NOTES:**

- REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.

**KEYNOTES:**

- THREE (3) NEW 3" RMC FROM EMERGENCY ELECTRICAL ROOM 1108B IN THE NEW MULTIPURPOSE FACILITY TO THE EXISTING BOILER HOUSE. ONE CONDUIT IS FOR THE 480 VOLT POWER FEED FOR THE MULTIPURPOSE EMERGENCY SYSTEM. ONE IS FOR THE TRANSFER SWITCH CONTROL WIRING, AND ONE IS SPARE. EXTEND CONDUIT FOR TRANSFER SWITCH WIRING AS NECESSARY TO TIE INTO THE EXISTING TRANSFER SWITCHES IN THE BOILER HOUSE.
- LOCATE TRANSFORMER 3'-0" FROM EDGE OF WALKWAY. COORDINATE EXACT LOCATION WITH ARCHITECT. REFER TO 4E4.00 FOR MEDIUM VOLTAGE TRANSFORMER PAD DETAIL.
- ROUTE TO SB-1 IN ELECTRICAL ROOM 1108A. REFER TO E2.13 FOR LOCATION OF SB-1. REFER TO E6.00 ELECTRICAL ONE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- STUB TO ELECTRICAL ROOM 1108A. CAP AND MARK CONDUIT FOR FUTURE USE.
- EXTEND 480 VOLT EMERGENCY POWER FEED TO RACEWAY SERVING ATS-LS AND ATS-EQ IN EMERGENCY ELECTRICAL ROOM 1108B. REFER TO E3.01 FOR ELECTRICAL ONE LINE DIAGRAM FOR ADDITIONAL INFORMATION.



**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ELECTRICAL SITE  
 PLAN**

SHEET NUMBER:

**E0.01**

**1 ELECTRICAL SITE PLAN**  
 1" = 30'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM

Illinois Design Firm Registration #18-000773  
 PROJECT # 14-004-00

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SUCH DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES



ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

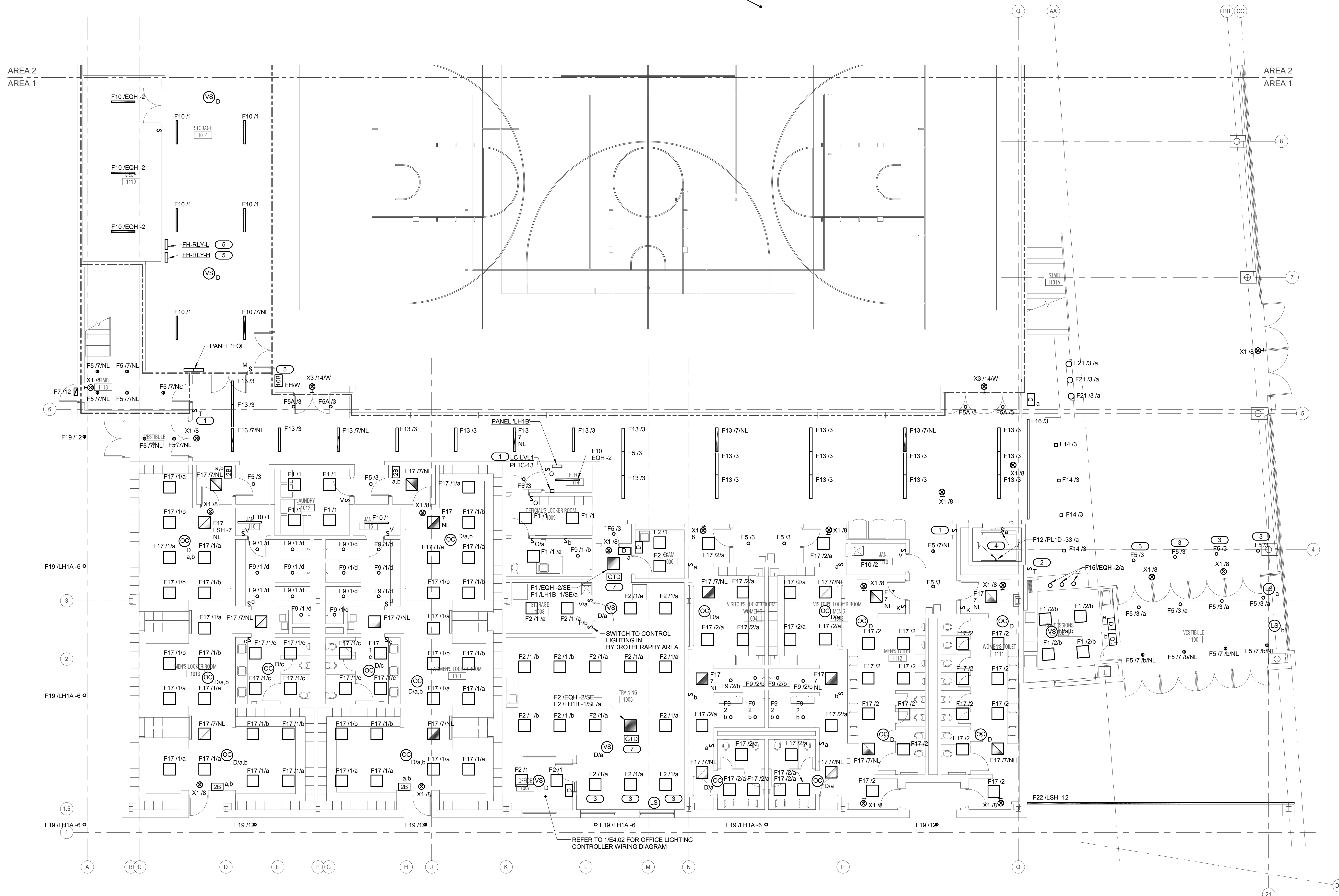
**GENERAL SHEET NOTES :**

1. REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
2. REFER TO SHEET E5.00 FOR LUMINAIRE SCHEDULE.
3. REFER TO 3/E4.02 FOR GENERAL OCCUPANCY / VACANCY SENSOR WIRING DIAGRAM.
4. REFER TO SHEETS E5.10, E5.11, AND E5.12 FOR PANEL AND RELAY PANEL SCHEDULES.
5. REFER TO 3/E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
6. REFER TO 6/E4.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
7. COORDINATE EXACT LOCATION OF ALL DEVICES (RECEPTACLES, LIGHTING CONTROLLERS, JUNCTION/ROLL BOXES, ETC.) INSTALLED ON THE PRECAST WALL WITH ARCHITECTURAL DRAWINGS AND PRECAST WALL MANUFACTURER. COORDINATE CONDUITS EMBEDDED IN THE PRECAST WALL WITH BRANCH CIRCUIT ROUTINGS SERVING PRECAST WALL DEVICES. REVIEW PRECAST WALL SHOP DRAWINGS TO VERIFY EMBEDDED JUNCTION BOX TYPE, SIZE, LOCATION, AND QUANTITIES, AND EMBEDDED CONDUIT SIZE, TYPE, ROUTING, AND QUANTITIES.

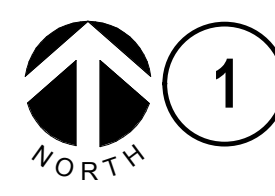
**KEYNOTES:** [Symbol]

1. REFER TO 6/E4.02 FOR FIRST FLOOR CORRIDOR LIGHTING CONTROL DIAGRAM.
2. REFER TO 7/E4.02 FOR MAIN CORRIDOR LIGHTING CONTROL DIAGRAM.
3. LUMINAIRE IS WITHIN THE DAYLIGHT ZONE AND SHALL BE CONTROLLED CONTINUOUS DAYLIGHT DIMMING BY THE LIGHT SENSOR IN ROOM.
4. MOUNT F12 VERTICALLY IN SHAFT, CENTERED 5'-0" ABOVE PIT FLOOR. COORDINATE EXACT LOCATION OF F12 AND SWITCH WITH ELEVATOR CONTRACTOR SO THAT THERE IS NO CONFLICT WITH MOVING EQUIPMENT.
5. REFER TO 1/E4.03 FOR FIELD HOUSE LIGHTING CONTROL DIAGRAM.
6. NOT USED.
7. REFER TO 4/E4.02 FOR GENERATOR TRANSFER DEVICE WIRING DIAGRAM.

ALL NORMAL LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LH1B', UNLESS NOTED OTHERWISE.  
 ALL LIFE SAFETY LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LSH', UNLESS NOTED OTHERWISE.



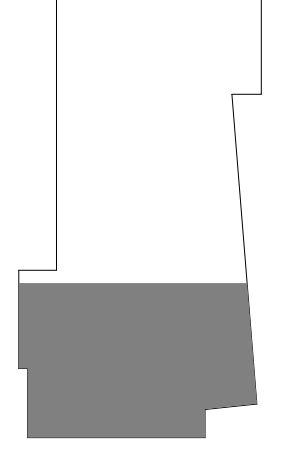
REFER TO 1/E4.02 FOR OFFICE LIGHTING CONTROLLER WIRING DIAGRAM



**LEVEL 1 PLAN - AREA 1 - LIGHTING**

1/8" = 1'-0"

KEY PLAN:



SHEET STATUS: 7/17/15  
**BID PACKAGE 2**  
**ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1 PLAN - AREA 1 - LIGHTING**

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14-004-00

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14-004-00

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA THEREON. THIS DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

SHEET NUMBER:

**E1.11**





ARCHITECT OF RECORD  
**DEMIONA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

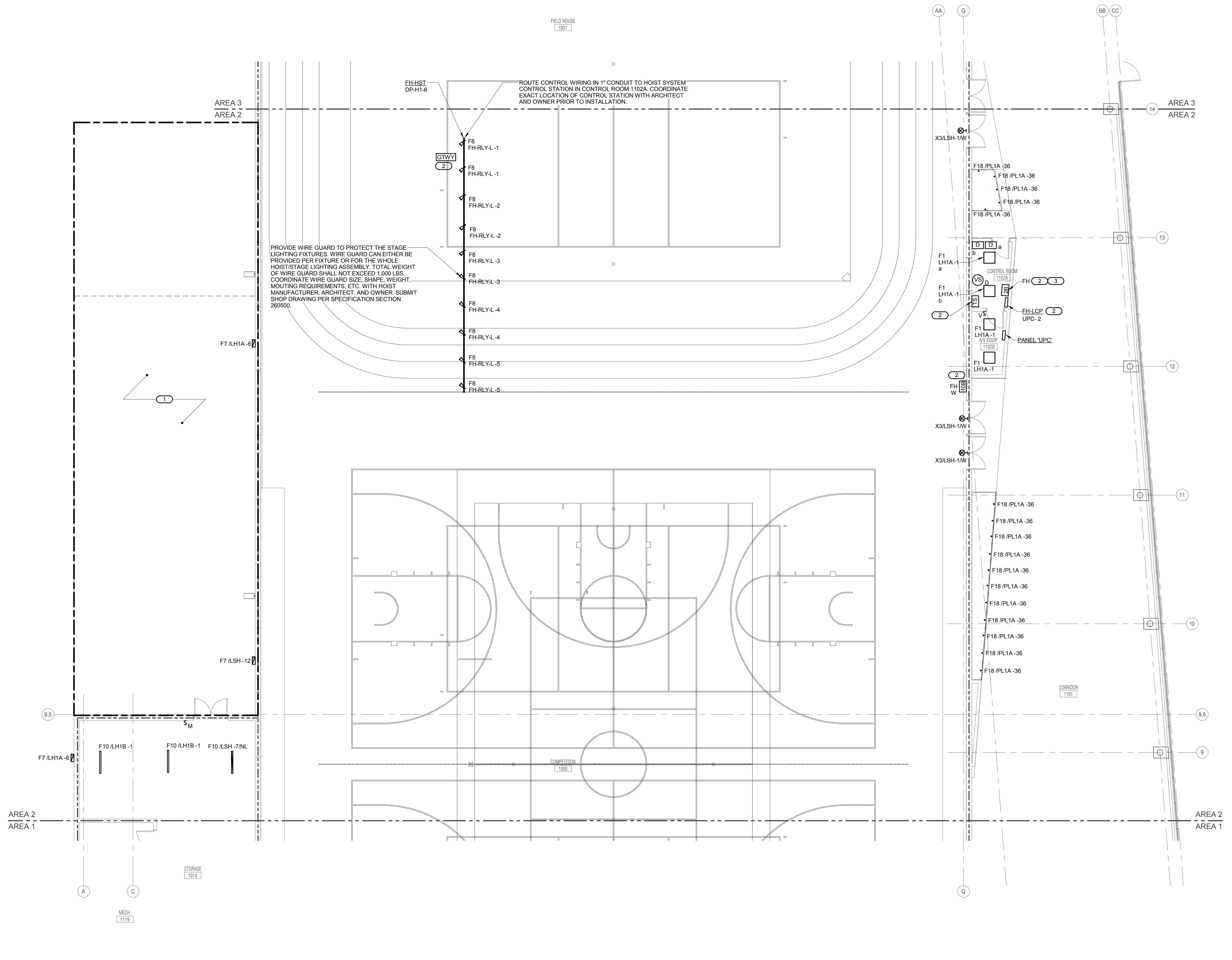
STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

- GENERAL SHEET NOTES:**
- REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
  - REFER TO SHEET E5.00 FOR LUMINAIRE SCHEDULE.
  - REFER TO 3/E4.02 FOR GENERAL OCCUPANCY / VACANCY SENSOR WIRING DIAGRAM.
  - REFER TO SHEETS E5.10, E5.11 AND E5.12 FOR PANEL AND RELAY PANEL SCHEDULES.
  - REFER TO 3/E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
  - REFER TO 6/E4.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
  - COORDINATE EXACT LOCATION OF ALL DEVICES (RECEPTACLES, LIGHTING CONTROLLERS, JUNCTION/PULL BOXES, ETC.) INSTALLED ON THE PRECAST WALL WITH ARCHITECTURAL DRAWINGS AND PRECAST WALL MANUFACTURER. COORDINATE CONDUITS EMBEDDED IN THE PRECAST WALL WITH BRANCH CIRCUIT ROUTINGS SERVING PRECAST WALL DEVICES. REVIEW PRECAST WALL SHOP DRAWINGS TO VERIFY EMBEDDED JUNCTION BOX TYPE, SIZE, LOCATION, AND QUANTITIES, AND EMBEDDED CONDUIT SIZE, TYPE, ROUTING, AND QUANTITIES.

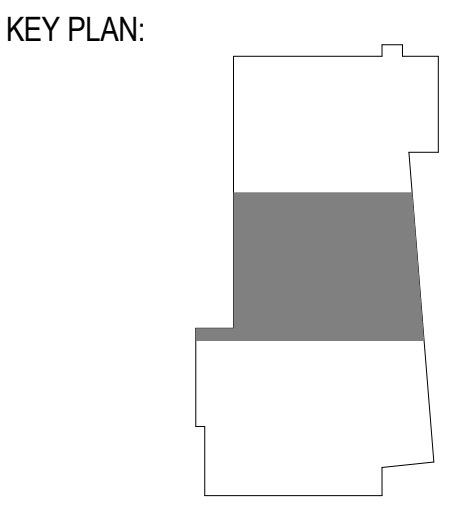
- KEYNOTES:**
- REFER TO SHEET E2.40 ALTERNATE PLANS - ELECTRICAL FOR SCOPE OF WORK TO BE INCORPORATED UNDER ALT BID #1, #2, AND #3.
  - REFER TO 1/E4.03 FOR FIELD HOUSE LIGHTING CONTROL DIAGRAM.
  - CONTROL STATION SHALL ENABLE/DISABLE FIELD HOUSE 10-BUTTON CONTROL STATIONS.



**1 LEVEL 1 PLAN - AREA 2 - LIGHTING**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14044.00

REFERENCE SCALE IN INCHES  
 0 1 2 3



SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1 PLAN - AREA  
 2 - LIGHTING**

SHEET NUMBER:  
**E1.12**







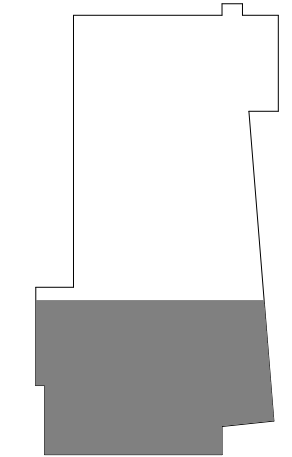
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7/17/15  
**BID PACKAGE 2**  
**ISSUED FOR BID**

NO.	DESCRIPTION	DATE

SHEET TITLE:  
**LEVEL 2 PLAN - AREA 1 - LIGHTING**

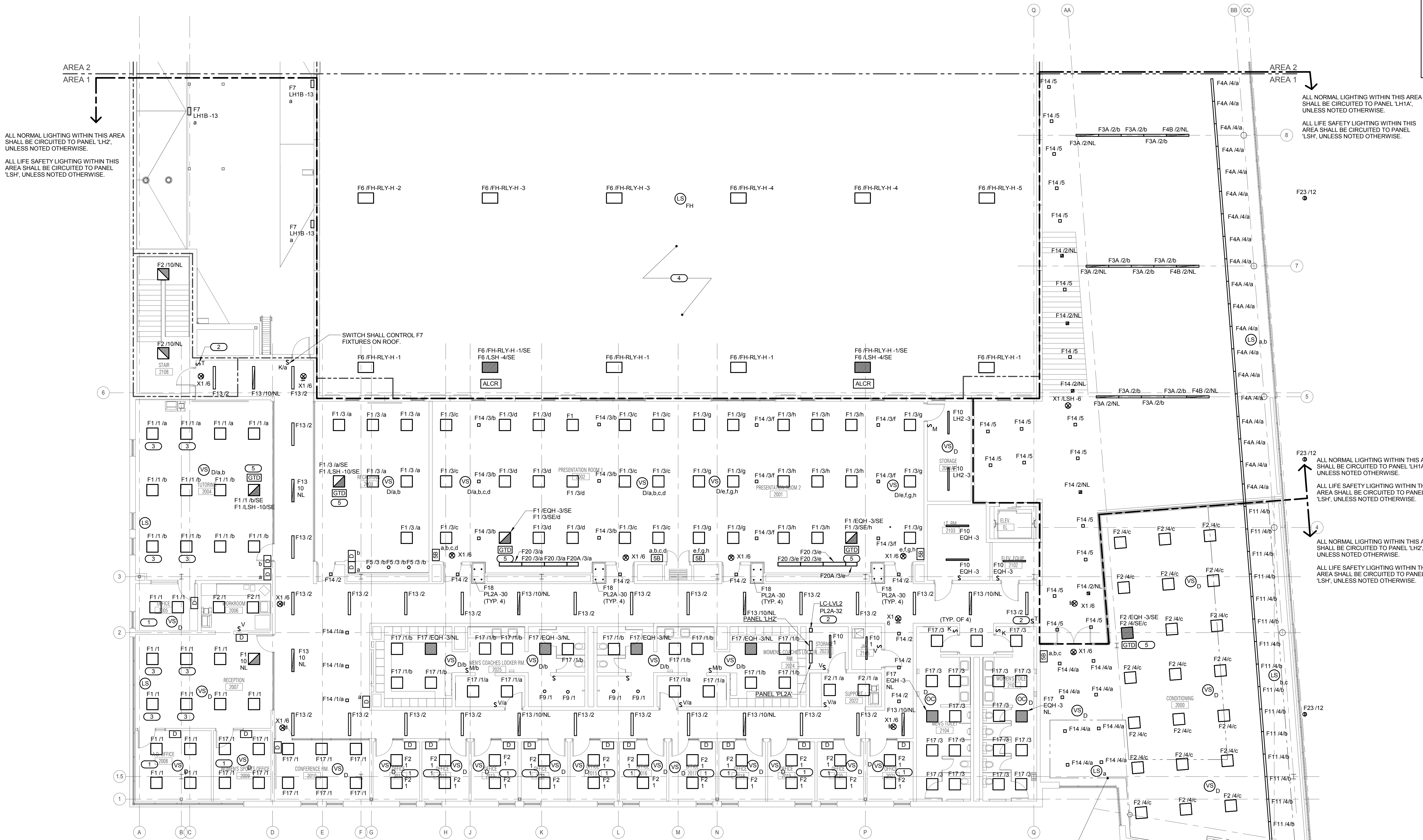
SHEET NUMBER:  
**E1.21**

**GENERAL SHEET NOTES:**

- REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
- REFER TO SHEET E5.00 FOR LUMINAIRE SCHEDULE.
- REFER TO 3/64.02 FOR GENERAL OCCUPANCY / VACANCY SENSOR WIRING DIAGRAM.
- REFER TO SHEETS E5.10, E5.11, AND E5.12 FOR PANEL AND RELAY PANEL SCHEDULES.
- REFER TO 3/64.00 FOR FIRE BARRIER PENETRATION DETAIL.
- REFER TO 6/64.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
- COORDINATE EXACT LOCATION OF ALL DEVICES (RECEPTACLES, LIGHTING CONTROLLERS, JUNCTION/PULL BOXES, ETC.) INSTALLED ON THE PRECAST WALL WITH ARCHITECTURAL DRAWINGS AND PRECAST WALL MANUFACTURER. COORDINATE CONDUITS EMBEDDED IN THE PRECAST WALL WITH BRANCH CIRCUIT ROUTINES SERVING PRECAST WALL DEVICES. REVIEW PRECAST WALL SHOP DRAWINGS TO VERIFY EMBEDDED JUNCTION BOX TYPE, SIZE, LOCATION, AND QUANTITIES, AND EMBEDDED CONDUIT SIZE, TYPE, ROUTING, AND QUANTITIES.

**KEYNOTES:**

- REFER TO 1/E4.02 FOR OFFICE LIGHTING CONTROLLER WIRING DIAGRAM.
- REFER TO 6/64.02 FOR SECOND FLOOR CORRIDOR LIGHTING CONTROL DIAGRAM.
- LUMINAIRE IS WITHIN THE DAYLIGHT ZONE AND SHALL BE CONTROLLED (CONTINUOUS DAYLIGHT DIMMING) BY THE LIGHT SENSOR IN ROOM.
- REFER TO 1/E4.03 FOR FIELD HOUSE LIGHTING CONTROL DIAGRAM.
- REFER TO 6/64.02 FOR GENERATOR TRANSFER DEVICE WIRING DIAGRAM.



**1 LEVEL 2 PLAN - AREA 1 - LIGHTING**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14044.00  
 DESIGN FIRM REGISTRATION #18-08073

**KJWW ENGINEERING** RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA THEREON. THIS DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



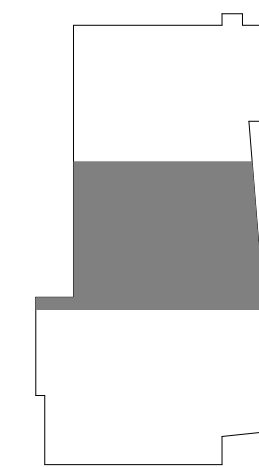
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7/17/15  
**BID PACKAGE 2**  
**ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2 PLAN - AREA 2 - LIGHTING**

SHEET NUMBER:

**E1.22**

KEYNOTES: #  
 1. REFER TO 1/E4.03 FOR FIELD HOUSE LIGHTING CONTROL DIAGRAM.

GENERAL SHEET NOTES:  
 1. REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.  
 2. REFER TO SHEET E5.00 FOR LUMINAIRE SCHEDULE.  
 3. REFER TO 3/E4.02 FOR GENERAL OCCUPANCY / VACANCY SENSOR WIRING DIAGRAM.  
 4. REFER TO SHEETS ES.10, ES.11, AND ES.12 FOR PANEL AND RELAY PANEL SCHEDULES.  
 5. REFER TO 3/E4.00 FOR FIRE BARRIER PENETRATION DETAIL.  
 6. REFER TO 6/E4.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.  
 7. COORDINATE EXACT LOCATION OF ALL DEVICES (RECEPTACLES, LIGHTING CONTROLLERS, JUNCTION/PULL BOXES, ETC.) INSTALLED ON THE PRECAST WALL WITH ARCHITECTURAL DRAWINGS AND PRECAST WALL MANUFACTURER. COORDINATE CONDUITS EMBEDDED IN THE PRECAST WALL WITH BRANCH CIRCUIT ROUTINGS SERVING PRECAST WALL DEVICES. REVIEW PRECAST WALL SHOP DRAWINGS TO VERIFY EMBEDDED JUNCTION BOX TYPE, SIZE, LOCATION, AND QUANTITIES, AND EMBEDDED CONDUIT SIZE, TYPE, ROUTING, AND QUANTITIES.

ALL NORMAL LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LH1A', UNLESS NOTED OTHERWISE.  
 ALL LIFE SAFETY LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LSH', UNLESS NOTED OTHERWISE.

ALL NORMAL LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LH1A', UNLESS NOTED OTHERWISE.  
 ALL LIFE SAFETY LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LSH', UNLESS NOTED OTHERWISE.

ALL NORMAL LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LH1A', UNLESS NOTED OTHERWISE.  
 ALL LIFE SAFETY LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LSH', UNLESS NOTED OTHERWISE.

ALL NORMAL LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LH1A', UNLESS NOTED OTHERWISE.  
 ALL LIFE SAFETY LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LSH', UNLESS NOTED OTHERWISE.

ALL NORMAL LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LH1A', UNLESS NOTED OTHERWISE.  
 ALL LIFE SAFETY LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LSH', UNLESS NOTED OTHERWISE.

ALL NORMAL LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LH1A', UNLESS NOTED OTHERWISE.  
 ALL LIFE SAFETY LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LSH', UNLESS NOTED OTHERWISE.

ALL NORMAL LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LH1A', UNLESS NOTED OTHERWISE.  
 ALL LIFE SAFETY LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LSH', UNLESS NOTED OTHERWISE.

ALL NORMAL LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LH1A', UNLESS NOTED OTHERWISE.  
 ALL LIFE SAFETY LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LSH', UNLESS NOTED OTHERWISE.

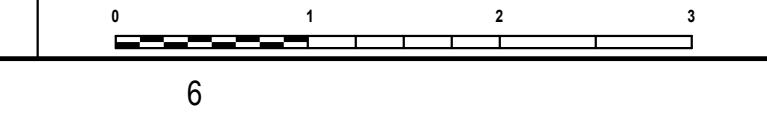
ALL NORMAL LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LH1A', UNLESS NOTED OTHERWISE.  
 ALL LIFE SAFETY LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LSH', UNLESS NOTED OTHERWISE.

ALL NORMAL LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LH1A', UNLESS NOTED OTHERWISE.  
 ALL LIFE SAFETY LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LSH', UNLESS NOTED OTHERWISE.

ALL NORMAL LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LH1A', UNLESS NOTED OTHERWISE.  
 ALL LIFE SAFETY LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LSH', UNLESS NOTED OTHERWISE.

**LEVEL 2 PLAN - AREA 2 - LIGHTING**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14044.00  
 DESIGN FIRM REGISTRATION #14-00073  
 KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA THEREON. THIS DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.





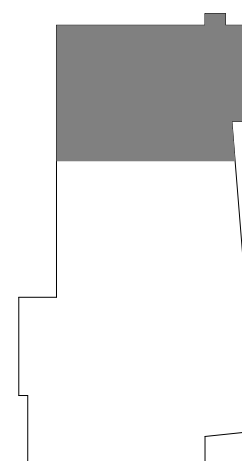
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD, SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2 PLAN - AREA  
 3 - LIGHTING**

SHEET NUMBER:

**E1.23**

- GENERAL SHEET NOTES:**
- REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
  - REFER TO SHEET E5.00 FOR LUMINAIRE SCHEDULE.
  - REFER TO 3/E4.02 FOR GENERAL OCCUPANCY / VACANCY SENSOR WIRING DIAGRAM.
  - REFER TO SHEETS E5.10, E5.11, AND E5.12 FOR PANEL AND RELAY PANEL SCHEDULES.
  - REFER TO 3/E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
  - REFER TO 6/E4.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
  - COORDINATE EXACT LOCATION OF ALL DEVICES (RECEPTACLES, LIGHTING CONTROLLERS, JUNCTION/PULL BOXES, ETC.) INSTALLED ON THE PRECAST WALL WITH ARCHITECTURAL DRAWINGS AND PRECAST WALL MANUFACTURER. COORDINATE CONDUITS EMBEDDED IN THE PRECAST WALL WITH BRANCH CIRCUIT ROUTINGS SERVING PRECAST WALL DEVICES. REVIEW PRECAST WALL SHOP DRAWINGS TO VERIFY. EMBEDDED JUNCTION BOX TYPE, SIZE, LOCATION, AND QUANTITIES, AND EMBEDDED CONDUIT SIZE, TYPE, ROUTING, AND QUANTITIES.

- KEYNOTES:**
- REFER TO 1/E4.03 FOR FIELD HOUSE LIGHTING CONTROL DIAGRAM.

ALL NORMAL LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LH1A', UNLESS NOTED OTHERWISE.

ALL LIFE SAFETY LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LSH', UNLESS NOTED OTHERWISE.

ALL NORMAL LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LH1A', UNLESS NOTED OTHERWISE.

ALL LIFE SAFETY LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LSH', UNLESS NOTED OTHERWISE.



**1 LEVEL 2 PLAN - AREA 3 - LIGHTING**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM

**PROJECT # 14-004-00**

Illinois Design Firm Registration #184-080773

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3





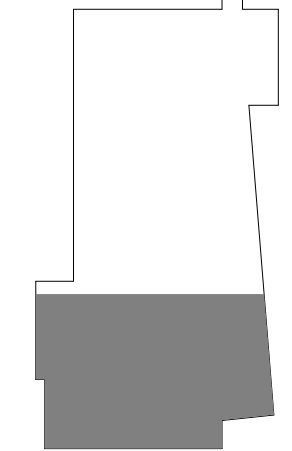
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD, SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7/17/15  
**BID PACKAGE 2**  
**ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

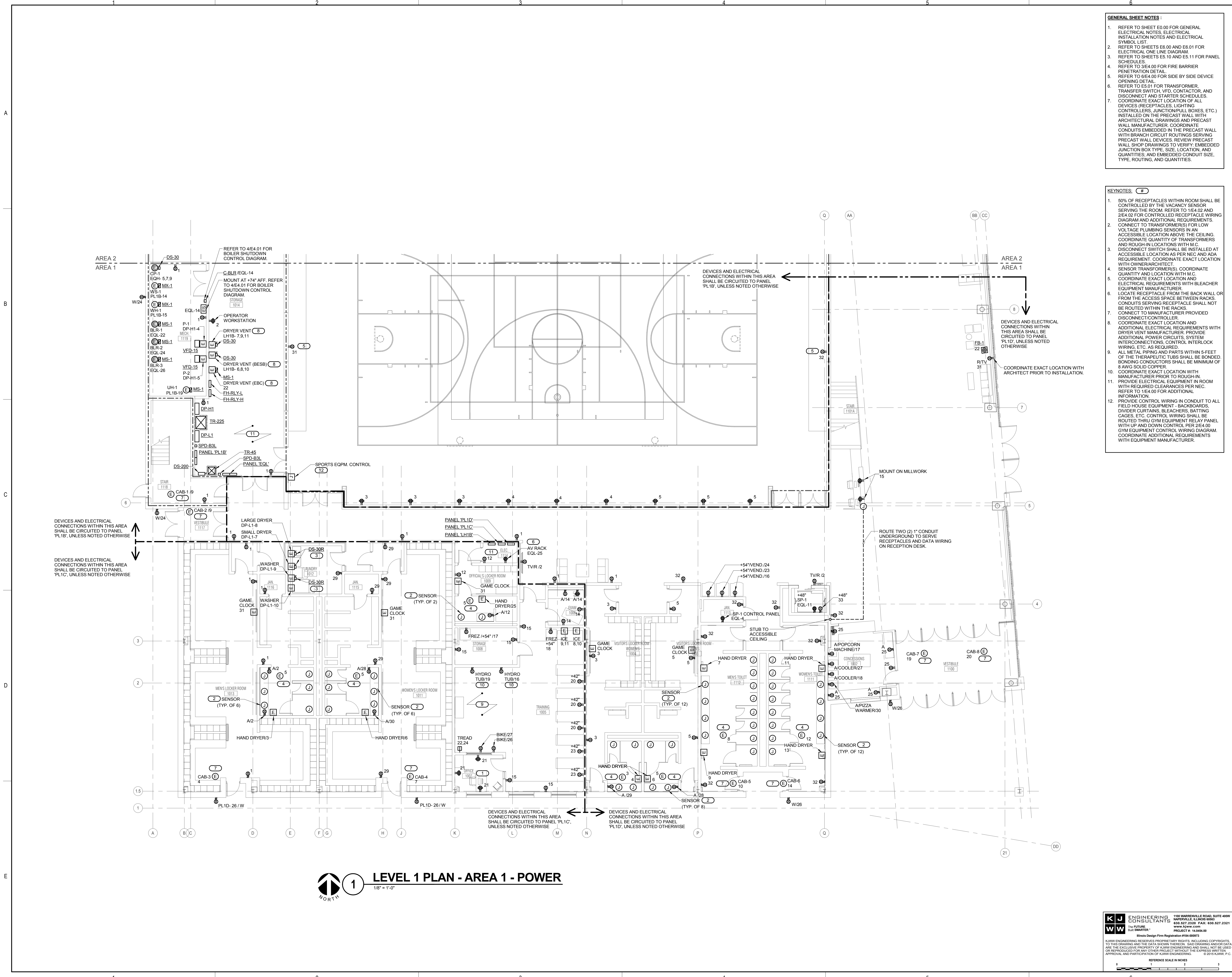
SHEET TITLE:  
**LEVEL 1 PLAN - AREA 1 - POWER**

SHEET NUMBER:

**E2.11**

- GENERAL SHEET NOTES:**
- REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
  - REFER TO SHEETS E0.00 AND E0.01 FOR ELECTRICAL ONE LINE DIAGRAM.
  - REFER TO SHEETS E5.10 AND E5.11 FOR PANEL SCHEDULES.
  - REFER TO 3E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
  - REFER TO 6E4.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
  - REFER TO E0.01 FOR TRANSFORMER, TRANSFER SWITCH, VFD, CONTACTOR, AND DISCONNECT AND STARTER SCHEDULES. COORDINATE EXACT LOCATION OF ALL DEVICES (RECEPTACLES, LIGHTING CONTROLLERS, JUNCTION BOXES, ETC.) INSTALLED ON THE PRECAST WALL WITH ARCHITECTURAL DRAWINGS AND PRECAST WALL MANUFACTURER. COORDINATE CONDUITS EMBEDDED IN THE PRECAST WALL WITH BRANCH CIRCUIT ROUTINGS SERVING PRECAST WALL DEVICES. REVIEW PRECAST WALL SHOP DRAWINGS TO VERIFY EMBEDDED JUNCTION BOX TYPE, SIZE, LOCATION, AND QUANTITIES, AND EMBEDDED CONDUIT SIZE, TYPE, ROUTING, AND QUANTITIES.

- KEYNOTES:**
- 50% OF RECEPTACLES WITHIN ROOM SHALL BE CONTROLLED BY THE VACANCY SENSOR SERVING THE ROOM. REFER TO 1E4.02 AND 2E4.02 FOR CONTROLLED RECEPTACLE WIRING DIAGRAM AND ADDITIONAL REQUIREMENTS. CONNECT TO TRANSFORMER(S) FOR LOW VOLTAGE PLUMBING SENSORS IN AN ACCESSIBLE LOCATION ABOVE THE CEILING. COORDINATE QUANTITY OF TRANSFORMERS AND ROUGH-IN LOCATIONS WITH M.C.
  - DISCONNECT SWITCH SHALL BE INSTALLED AT ACCESSIBLE LOCATION AS PER NEC AND ADA REQUIREMENT. COORDINATE EXACT LOCATION WITH OWNER/ARCHITECT.
  - SENSOR TRANSFORMER(S), COORDINATE QUANTITY AND LOCATION WITH M.C.
  - COORDINATE EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH BLEACHER EQUIPMENT MANUFACTURER.
  - LOCATE RECEPTACLE FROM THE BACK WALL OR FROM THE ACCESS SPACE BETWEEN RACKS. CONDUITS SERVING RECEPTACLE SHALL NOT BE ROUTED WITHIN THE RACKS.
  - CONNECT TO MANUFACTURER PROVIDED DISCONNECT CONTROLLER.
  - COORDINATE EXACT LOCATION AND ADDITIONAL ELECTRICAL REQUIREMENTS WITH DRYER VENT MANUFACTURER. PROVIDE ADDITIONAL POWER CIRCUITS, SYSTEM INTERCONNECTS, CONTROL, INTERLOCK WIRING, ETC. AS REQUIRED.
  - ALL METAL PIPING AND PARTS WITHIN 5-FEET OF THE THERAPEUTIC TUBS SHALL BE BONDED. BONDING CONDUCTORS SHALL BE MINIMUM OF 8 AWG SOLID COPPER.
  - COORDINATE EXACT LOCATION WITH MANUFACTURER PRIOR TO ROUGH-IN.
  - PROVIDE ELECTRICAL EQUIPMENT IN ROOM WITH REQUIRED CLEARANCES PER NEC. REFER TO 1E4.00 FOR ADDITIONAL INFORMATION.
  - PROVIDE CONTROL WIRING IN CONDUIT TO ALL FIELD HOUSE EQUIPMENT - BACKBOARDS, DIVIDER CURTAINS, BLEACHERS, BATTING CAGES, ETC. CONTROL WIRING SHALL BE ROUTED THRU GYM EQUIPMENT RELAY PANEL WITH UP AND DOWN CONTROL. PER 2E4.00 GYM EQUIPMENT CONTROL WIRING DIAGRAM. COORDINATE ADDITIONAL REQUIREMENTS WITH EQUIPMENT MANUFACTURER.



**1 LEVEL 1 PLAN - AREA 1 - POWER**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**PROJECT:** JOLIET JUNIOR COLLEGE MULTIPURPOSE FACILITY  
**PROJECT #:** 14-004-00  
**Block Design Firm Registration #:** 08-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA THEREON. THE DATA DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



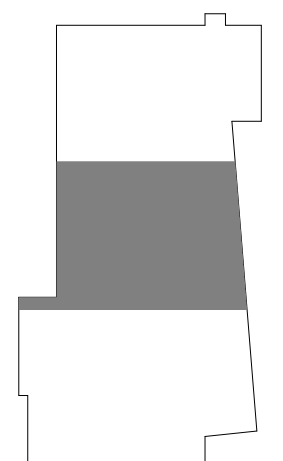
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD, SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7/17/15  
**BID PACKAGE 2**  
**ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

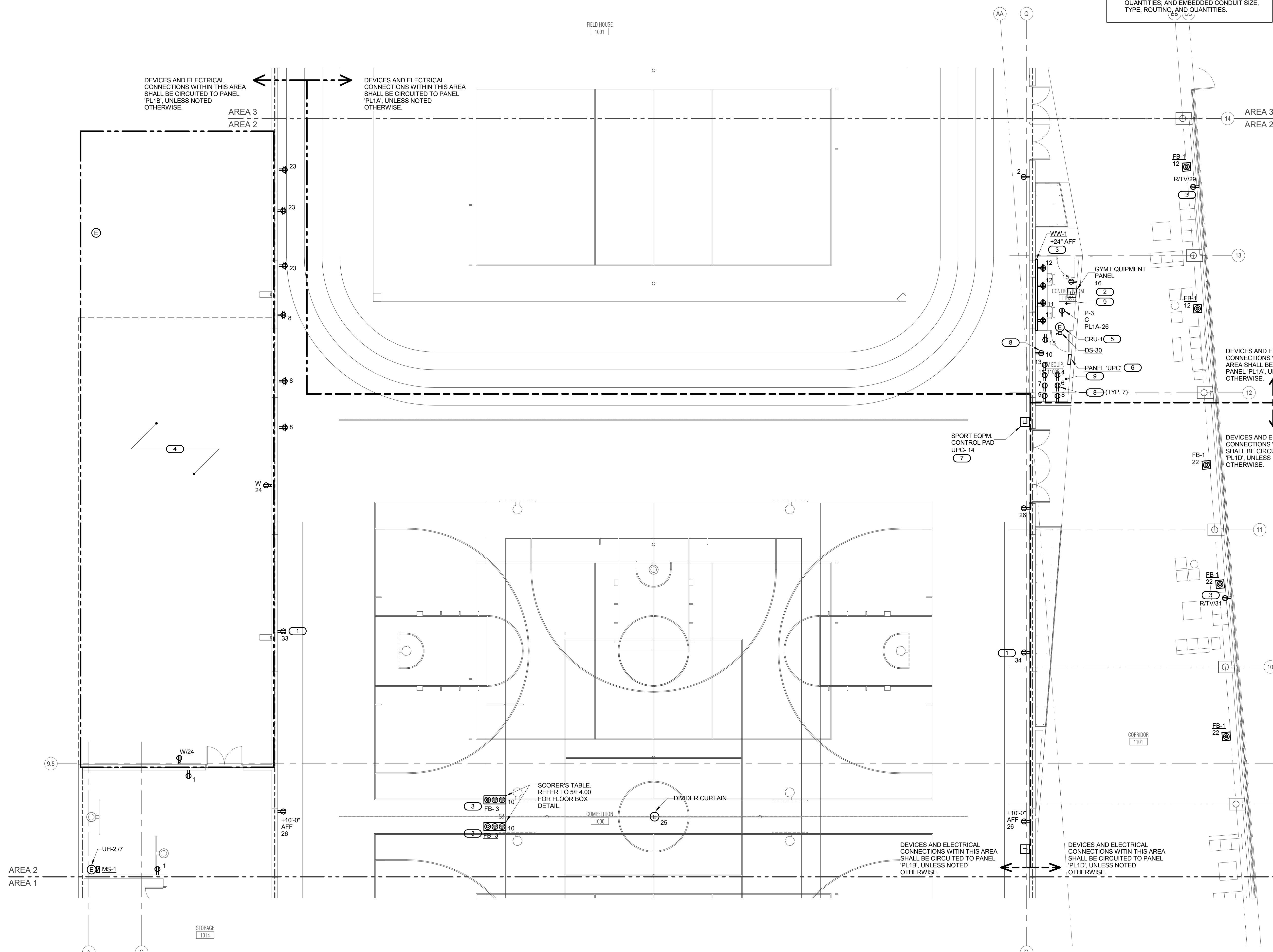
SHEET TITLE:  
**LEVEL 1 PLAN - AREA 2 - POWER**

SHEET NUMBER:

**E2.12**

- GENERAL SHEET NOTES :**
- REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
  - REFER TO SHEETS E6.00 AND E6.01 FOR ELECTRICAL ONE LINE DIAGRAM.
  - REFER TO SHEETS E5.10 AND E5.11 FOR PANEL SCHEDULES.
  - REFER TO 3E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
  - REFER TO 6E4.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
  - REFER TO E5.01 FOR TRANSFORMER, TRANSFER SWITCH, VFD, CONTACTOR, AND DISCONNECT AND STARTER SCHEDULES. COORDINATE EXACT LOCATION OF ALL DEVICES (RECEPTACLES, LIGHTING CONTROLLERS, JUNCTION/PULL BOXES, ETC.) INSTALLED ON THE PRECAST WALL WITH ARCHITECTURAL DRAWINGS AND PRECAST WALL MANUFACTURER. COORDINATE CONDUITS EMBEDDED IN THE PRECAST WALL WITH BRANCH CIRCUIT ROUTINGS SERVING PRECAST WALL DEVICES. REVIEW PRECAST WALL SHOP DRAWINGS TO VERIFY EMBEDDED JUNCTION BOX TYPE, SIZE, LOCATION, AND QUANTITIES; AND EMBEDDED CONDUIT SIZE, TYPE, ROUTING, AND QUANTITIES.

- KEYNOTES: (#)**
- COORDINATE EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH BLEACHER EQUIPMENT MANUFACTURER.
  - REFER TO WIRING DIAGRAM 2/E4.00. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT AND LOCATION.
  - COORDINATE LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
  - REFER TO SHEET E2.40 ALTERNATE PLANS - ELECTRICAL FOR SCOPE OF WORK TO BE INCORPORATED UNDER ALT BID #1, #2, AND #3.
  - COMPUTER ROOM UNIT POWERED FROM CONDENSING UNIT ON ROOF (CU-1). ROUTE 1" C. BETWEEN THE TWO UNITS. COORDINATE WITH MANUFACTURER.
  - PROVIDE ELECTRICAL EQUIPMENT WITH REQUIRED CLEARANCES PER NEC. REFER TO 1/E4.00 FOR ADDITIONAL INFORMATION.
  - PROVIDE CONTROL WIRING IN CONDUIT TO ALL FIELD HOUSE EQUIPMENT - BACKBOARDS, DIVIDER CURTAINS, BLEACHERS, BATTING CAGES, ETC. CONTROL WIRING SHALL BE ROUTED THRU GYM EQUIPMENT RELAY PANEL WITH UP AND DOWN CONTROL. PER 2/E4.00 GYM EQUIPMENT CONTROL WIRING DIAGRAM. COORDINATE ADDITIONAL REQUIREMENTS WITH EQUIPMENT MANUFACTURER.
  - LOCATE RECEPTACLE FROM THE BACK WALL OR FROM THE ACCESS SPACE BETWEEN RACKS. CONDUITS SERVING RECEPTACLE SHALL NOT BE ROUTED WITHIN THE RACKS.
  - DEVICES AND ELECTRICAL CONNECTIONS WITHIN CONTROL ROOM 1102A AND AV EQUIPMENT 1102B SHALL BE CIRCUITED TO PANEL 'UPC', UNLESS NOTED OTHERWISE.



**1 LEVEL 1 PLAN - AREA 2 - POWER**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM  
 PROJECT # 14-004-00

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM  
 PROJECT # 14-004-00

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM  
 PROJECT # 14-004-00

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM  
 PROJECT # 14-004-00

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM  
 PROJECT # 14-004-00

REFERENCE SCALE IN INCHES



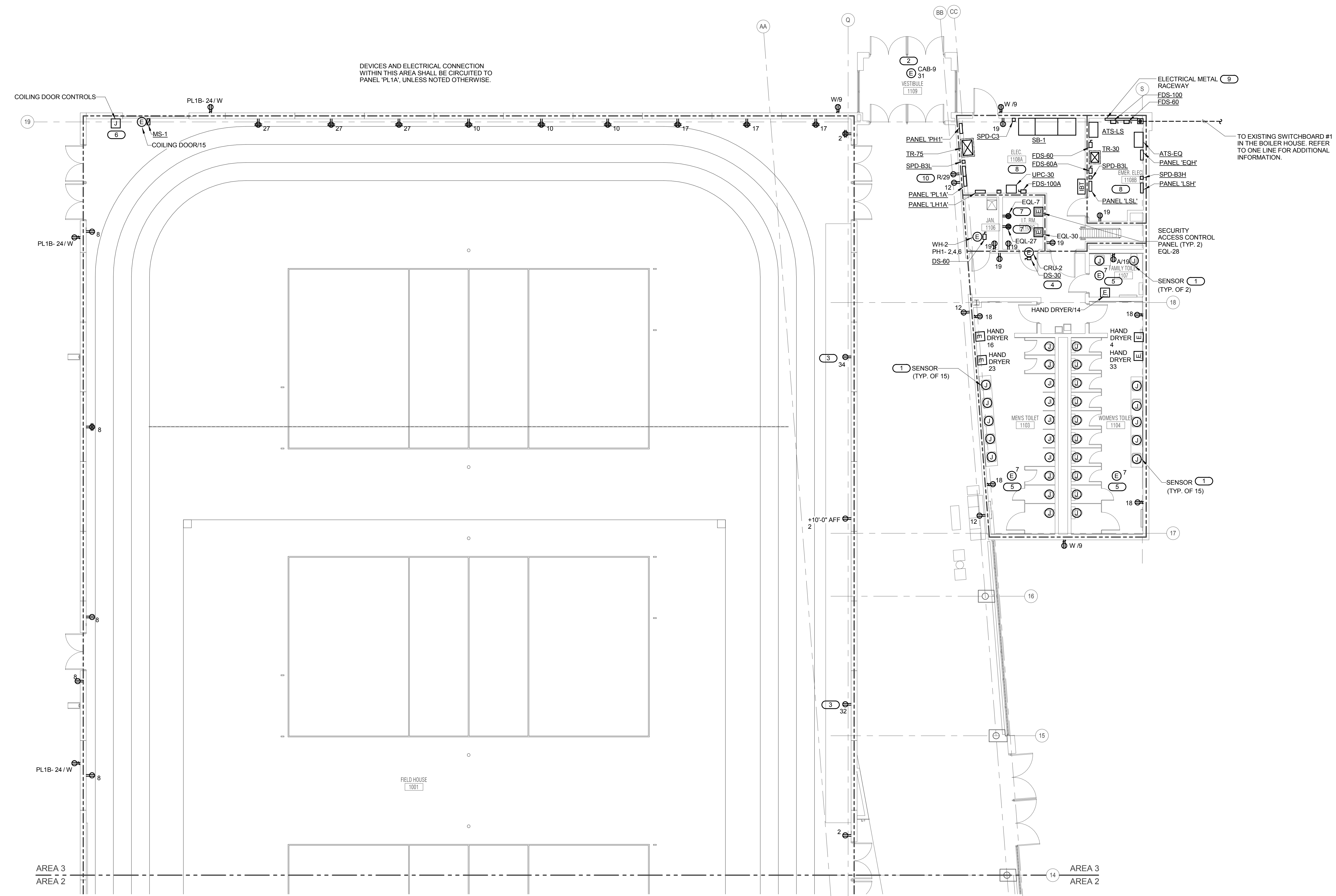
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

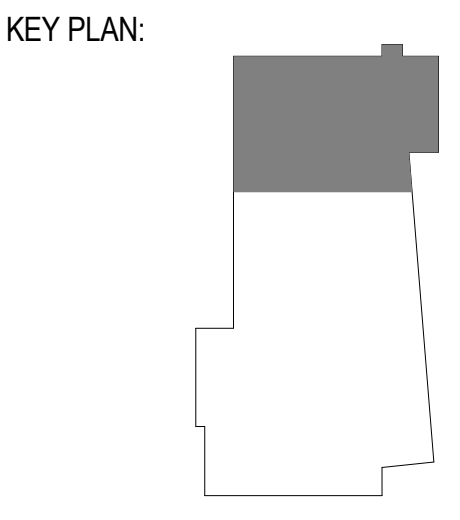
- GENERAL SHEET NOTES:**
1. REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
  2. REFER TO SHEETS E0.00 AND E0.01 FOR ELECTRICAL ONE LINE DIAGRAM.
  3. REFER TO SHEETS E5.10 AND E5.11 FOR PANEL SCHEDULES.
  4. REFER TO 3/4" x 4" FOR FIRE BARRIER PENETRATION DETAIL.
  5. REFER TO 3/4" x 4" FOR SIDE BY SIDE DEVICE OPENING DETAIL.
  6. REFER TO E0.01 FOR TRANSFORMER, TRANSFER SWITCH, VFD, CONTACTOR, AND DISCONNECT AND STARTER SCHEDULES. COORDINATE EXACT LOCATION OF ALL DEVICES (RECEPTACLES, LIGHTING CONTROLLERS, JUNCTION/PULL BOXES, ETC.) INSTALLED ON THE PRECAST WALL WITH ARCHITECTURAL DRAWINGS AND PRECAST WALL MANUFACTURER. COORDINATE CONDUITS EMBEDDED IN THE PRECAST WALL WITH BRANCH CIRCUIT ROUTINGS SERVING PRECAST WALL DEVICES. REVIEW PRECAST WALL SHOP DRAWINGS TO VERIFY EMBEDDED JUNCTION BOX TYPE, SIZE, LOCATION, AND QUANTITIES, AND EMBEDDED CONDUIT SIZE, TYPE, ROUTING, AND QUANTITIES.

- KEYNOTES:**
1. CONNECT TO TRANSFORMER(S) FOR LOW VOLTAGE PLUMBING SENSORS IN AN ACCESSIBLE LOCATION ABOVE THE CEILING.
  2. COORDINATE QUANTITY OF TRANSFORMERS AND ROUGH-IN LOCATIONS.
  3. CONNECT TO MANUFACTURER PROVIDED DISCONNECT.
  4. COORDINATE EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH BLEACHER EQUIPMENT MANUFACTURER.
  5. COMPUTER ROOM UNIT POWERED FROM CONDENSING UNIT ON ROOF (CU-2). ROUTE 1" C BETWEEN THE TWO UNITS. COORDINATE WIRING, DISCONNECTING MEANS, CONTROLLER, ETC. WITH MANUFACTURER.
  6. SENSOR TRANSFORMER(S), COORDINATE QUANTITY AND LOCATION.
  7. ROUTE 1" CONDUIT WITH PULL STRING FROM PULL BOX TO JAMB OF DOOR OPENING TO 6" BELOW JOIST BEARING POCKET.
  8. LOCATE RECEPTACLE FROM THE BACK WALL OR FROM THE ACCESS SPACE BETWEEN RACKS. CONDUITS SERVING RECEPTACLE SHALL NOT BE ROUTED WITHIN THE RACKS.
  9. PROVIDE ELECTRICAL EQUIPMENT IN ROOM WITH REQUIRED CLEARANCES PER NEC. REFER TO 1/4" x 4" FOR ADDITIONAL INFORMATION.
  10. SIZE AS REQUIRED PER QUANTITY AND CONDUCTOR SIZE. INCLUDE COUPLINGS, ELBOWS, ADAPTERS, END GAPS AND OTHER FITTINGS TO MATCH AND MATE WITH WIREWAYS AS REQUIRED FOR A CONTINUOUS ENCLOSED COMPLETE SYSTEM.
  11. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.



**1 LEVEL 1 PLAN - AREA 3 - POWER**  
 1/8" = 1'-0"

**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



SHEET STATUS: 7/17/15  
**BID PACKAGE 2**  
**ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1 PLAN - AREA 3 - POWER**

SHEET NUMBER:

**E2.13**

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM

Project # 14-004-00  
 Design Firm Registration #18-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA THEREON. THIS DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3





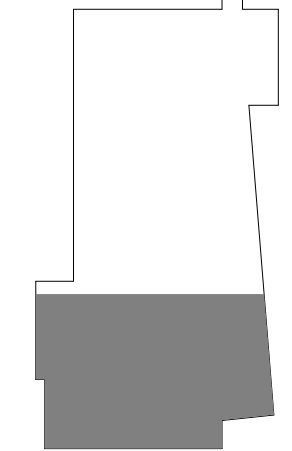
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7/17/15  
**BID PACKAGE 2**  
**ISSUED FOR BID**

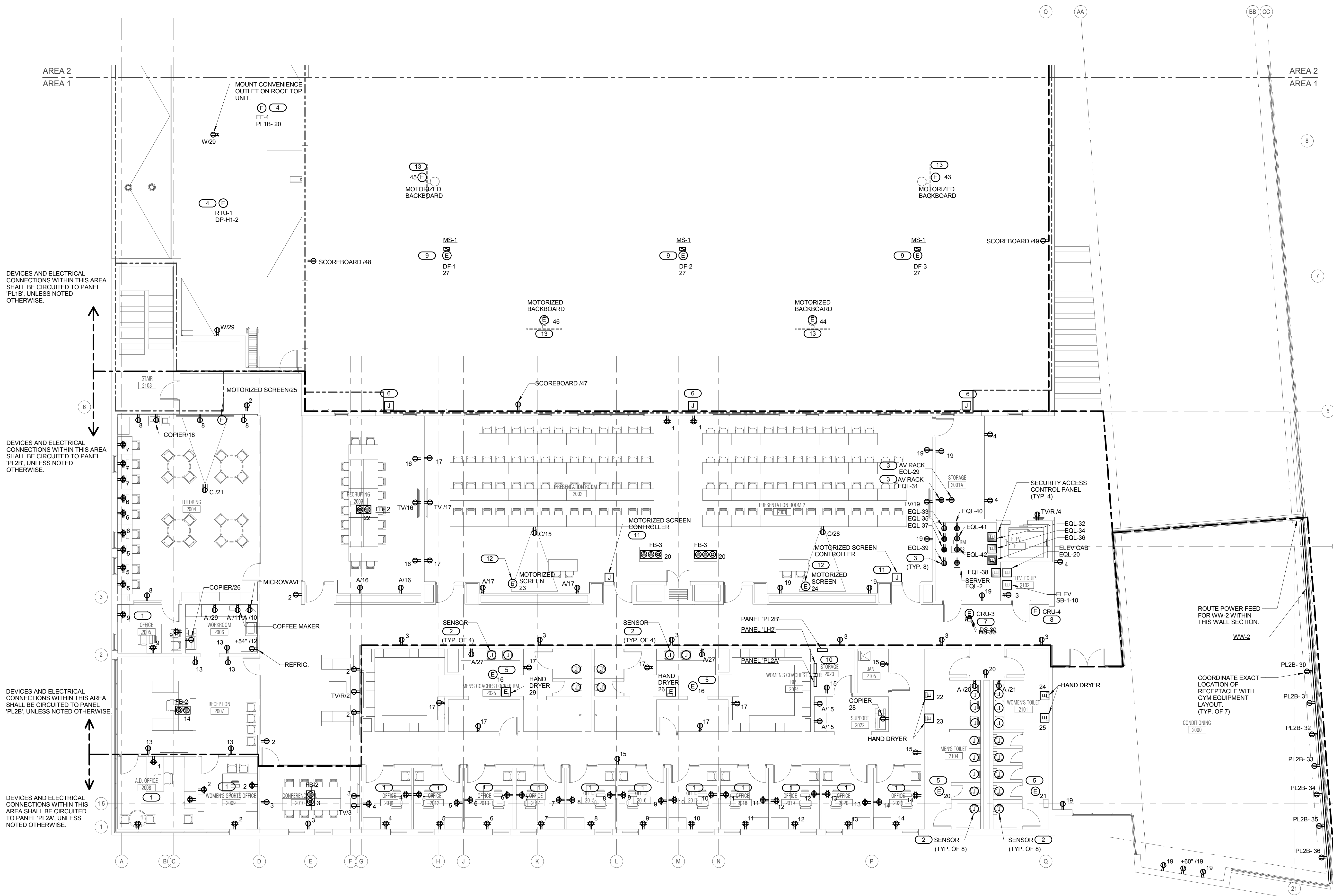
NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2 PLAN - AREA 1 - POWER**

SHEET NUMBER:  
**E2.21**

- GENERAL SHEET NOTES:**
- REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
  - REFER TO SHEETS E5.00 AND E5.01 FOR ELECTRICAL ONE LINE DIAGRAM SCHEDULES.
  - REFER TO SHEETS E5.10 AND E5.11 FOR PANEL SCHEDULES.
  - REFER TO 3/EA.00 FOR FIRE BARRIER PENETRATION DETAIL.
  - REFER TO 3/EA.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
  - REFER TO E5.01 FOR TRANSFORMER, TRANSFER SWITCH, VED, CONTACTOR, AND DISCONNECT AND STARTER SCHEDULES.
  - COORDINATE EXACT LOCATION OF ALL DEVICES (RECEPTACLES, LIGHTING CONTROLLERS, DRAWINGS AND PRECAST WALL MANUFACTURER, COORDINATE CONDUITS EMBEDDED IN THE PRECAST WALL WITH BRANCH CIRCUIT ROUTINGS SERVING PRECAST WALL DEVICES. REVIEW PRECAST WALL SHOP DRAWINGS TO VERIFY EMBEDDED JUNCTION BOX TYPE, SIZE, LOCATION, AND QUANTITIES, AND EMBEDDED CONDUIT SIZE, TYPE, ROUTING, AND QUANTITIES.

- KEYNOTES:**
- 50% OF RECEPTACLES WITHIN ROOM SHALL BE CONTROLLED BY THE VACANCY SENSOR SERVING THE ROOM. REFER TO ME4.02 AND 2/EA.02 FOR CONTROLLED RECEPTACLE WIRING DIAGRAM AND ADDITIONAL REQUIREMENTS.
  - CONNECT TO TRANSFORMER(S) FOR LOW VOLTAGE PLUMBING SENSORS IN AN ACCESSIBLE LOCATION ABOVE THE CEILING. COORDINATE QUANTITY OF TRANSFORMERS AND ROUGH-IN LOCATIONS.
  - LOCATE RECEPTACLE FROM THE BACK WALL OR FROM THE ACCESS SPACE BETWEEN RACKS. CONDUITS SERVING RECEPTACLE SHALL NOT BE ROUTED WITHIN THE RACKS.
  - CONNECT TO MANUFACTURER PROVIDED DISCONNECT/CONTROLLER.
  - SENSOR TRANSFORMERS: COORDINATE QUANTITY AND LOCATION.
  - ROUTE FOUR (4) EMPTY 1" C. WITH PULL STRING FROM ABOVE THE LAY-IN SECOND FLOOR CEILING TO 6" BELOW JOIST BEARING POCKET.
  - COMPUTER ROOM UNIT POWERED FROM CONDENSING UNIT ON ROOF (CU-3). ROUTE 1" C. BETWEEN THE TWO UNITS. COORDINATE WIRING, DISCONNECTING MEANS, CONTROLLER, ETC. WITH MANUFACTURER.
  - COMPUTER ROOM UNIT POWERED FROM CONDENSING UNIT ON ROOF (CU-4). ROUTE 1" C. BETWEEN THE TWO UNITS. COORDINATE WIRING, DISCONNECTING MEANS, CONTROLLER, ETC. WITH MANUFACTURER.
  - ROUTE CONDUIT/CONDUCTORS TO ASSOCIATED CONTROLLER IN STORAGE 1014. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF CONTROLLER. COORDINATE WITH MANUFACTURER FOR ADDITIONAL REQUIREMENTS.
  - PROVIDE ELECTRICAL EQUIPMENT IN ROOM WITH REQUIRED CLEARANCES PER NEC. REFER TO 1/EA.00 FOR ADDITIONAL INFORMATION.
  - COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
  - CONNECT TO MOTORIZED SCREEN CONTROLLER IN 1/2" CONDUIT. COORDINATE ADDITIONAL REQUIREMENTS WITH EQUIPMENT MANUFACTURER.
  - PROVIDE CONTROL WIRING IN CONDUIT TO ALL FIELD HOUSE EQUIPMENT - BACKBOARDS, DIVIDER CURTAINS, BLEACHERS, BATTING CAGES, ETC. CONTROL WIRING SHALL BE Routed THRU GYM EQUIPMENT RELAY PANEL WITH UP AND DOWN CONTROL PER 2/EA.00 GYM EQUIPMENT CONTROL WIRING DIAGRAM. COORDINATE ADDITIONAL REQUIREMENTS WITH EQUIPMENT MANUFACTURER.



DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL "PL1B" UNLESS NOTED OTHERWISE.

DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL "PL2B" UNLESS NOTED OTHERWISE.

DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL "PL2A" UNLESS NOTED OTHERWISE.

DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL "PL2A" UNLESS NOTED OTHERWISE.

**1 LEVEL 2 PLAN - AREA 1 - POWER**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**DESIGNER:** PROJECT # 14044.00  
**DATE:** PROJECT # 14044.00

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE CONTENTS THEREOF. THIS DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

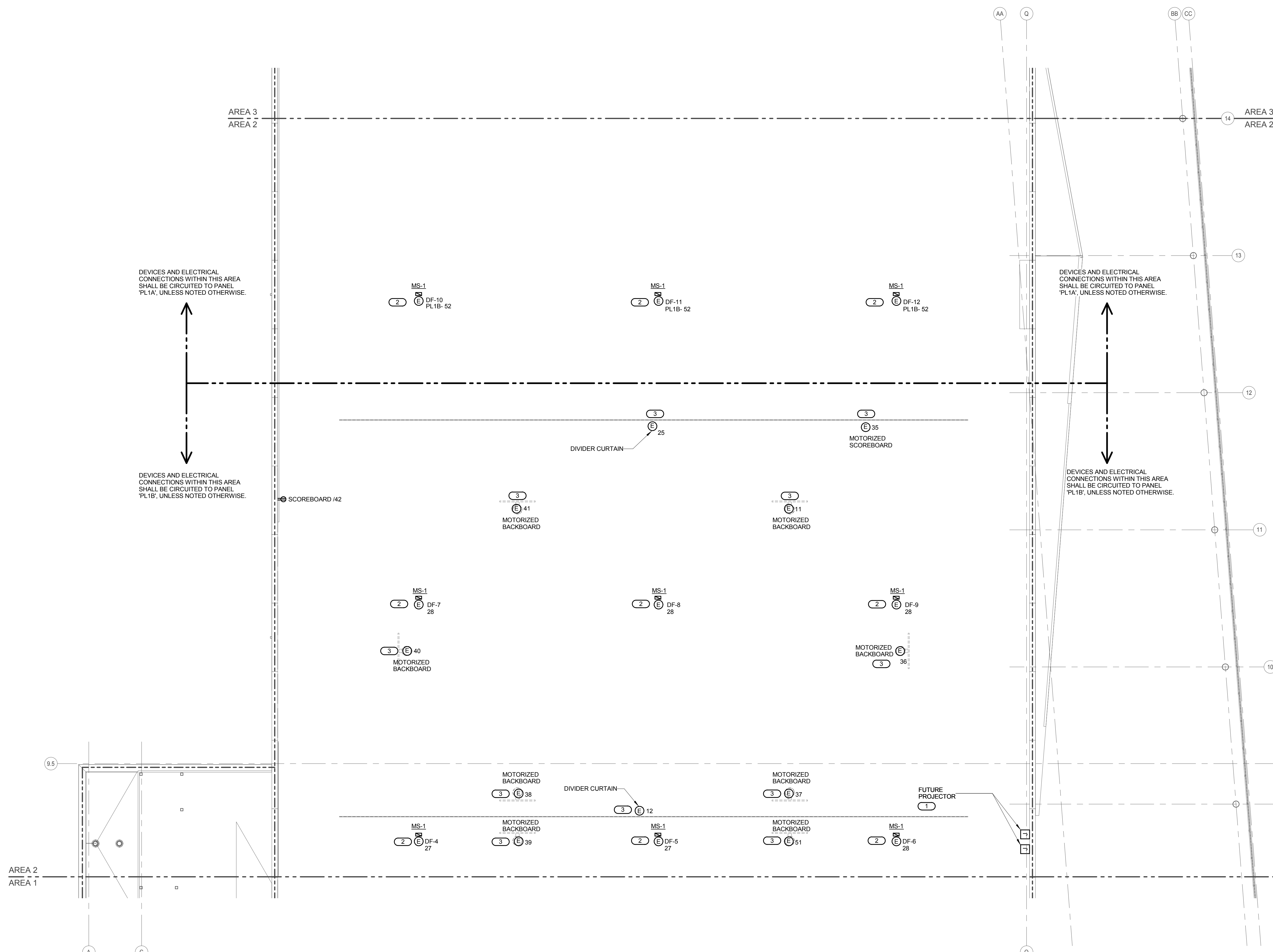
STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD, SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

- GENERAL SHEET NOTES:**
- REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL SYMBOL LIST.
  - REFER TO SHEETS E8.00 AND E8.01 FOR ELECTRICAL ONE LINE DIAGRAM.
  - REFER TO SHEETS E5.10 AND E5.11 FOR PANEL SCHEDULES.
  - REFER TO 3E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
  - REFER TO 6E4.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
  - REFER TO E0.01 FOR TRANSFORMER, TRANSFER SWITCH, VFD, CONTACTOR, AND DISCONNECT AND STARTER SCHEDULES. COORDINATE EXACT LOCATION OF ALL DEVICES (RECEPTACLES, LIGHTING CONTROLLERS, JUNCTION BOXES, ETC.) INSTALLED ON THE PRECAST WALL WITH ARCHITECTURAL DRAWINGS AND PRECAST WALL MANUFACTURER. COORDINATE CONDUITS EMBEDDED IN THE PRECAST WALL WITH BRANCH CIRCUIT ROUTINGS SERVING PRECAST WALL DEVICES. REVIEW PRECAST WALL SHOP DRAWINGS TO VERIFY EMBEDDED JUNCTION BOX TYPE, SIZE, LOCATION, AND QUANTITIES, AND EMBEDDED CONDUIT SIZE, TYPE, ROUTING, AND QUANTITIES.

- KEYNOTES:**
- PROVIDE TWO (2) EMPTY 1" CONDUITS WITH PULL STRINGS FROM MAIN ELECTRICAL ROOM TO THE BOTTOM OF THE STRUCTURE OF THE FIELD HOUSE FOR FUTURE PROJECTOR. COORDINATE EXACT LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION.
  - LABEL BOX "FUTURE PROJECTOR". ROUTE CONDUITS/CONDUCTORS TO ASSOCIATED CONTROLLER IN STORAGE 1014. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF CONTROLLER. COORDINATE WITH MANUFACTURER FOR ADDITIONAL REQUIREMENTS.
  - PROVIDE CONTROL WIRING IN CONDUIT TO ALL FIELD HOUSE EQUIPMENT - BACKBOARDS, DIVIDER CURTAINS, BLEACHERS, BATTING CAGES, ETC. CONTROL WIRING SHALL BE ROUTED THRU GYM EQUIPMENT RELAY PANEL WITH UP AND DOWN CONTROL. PER 2E4.00 GYM EQUIPMENT CONTROL WIRING DIAGRAM. COORDINATE ADDITIONAL REQUIREMENTS WITH EQUIPMENT MANUFACTURER.



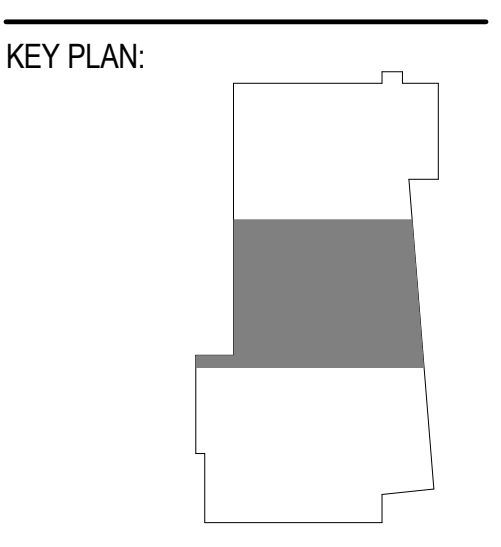
**1 LEVEL 2 PLAN - AREA 2 - POWER**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**KJWW ENGINEERING CONSULTANTS**  
 THE FUTURE IS SMARTER!  
 Illinois Design Firm Registration #18-08073  
 PROJECT # 14044.00

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA THEREON. SUCH DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



SHEET STATUS: 7/17/15  
**BID PACKAGE 2**  
**ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2 PLAN - AREA 2 - POWER**

SHEET NUMBER:  
**E2.22**



ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

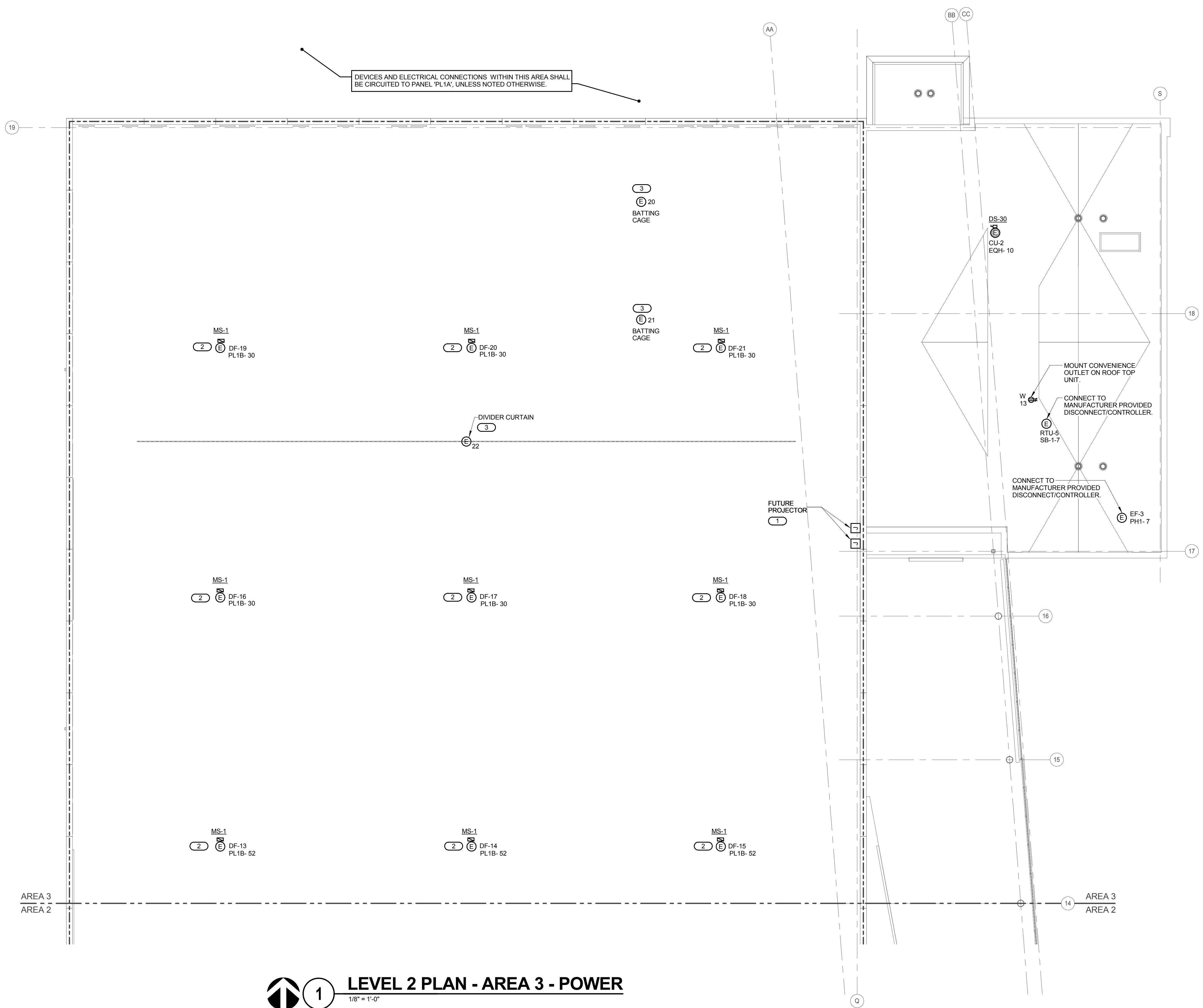
STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD, SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

- GENERAL SHEET NOTES:**
- REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
  - REFER TO SHEETS E6.00 AND E6.01 FOR ELECTRICAL ONE LINE DIAGRAM.
  - REFER TO SHEETS E5.10 AND E5.11 FOR PANEL SCHEDULES.
  - REFER TO 3/E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
  - REFER TO 6/E4.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
  - REFER TO E4.01 FOR TRANSFORMER, TRANSFER SWITCH, VFD, CONTACTOR, AND DISCONNECT AND STARTER SCHEDULES. COORDINATE EXACT LOCATION OF ALL DEVICES (RECEPTACLES, LIGHTING CONTROLLERS, JUNCTION/BOXES, ETC.) INSTALLED ON THE PRECAST WALL WITH ARCHITECTURAL DRAWINGS AND PRECAST WALL MANUFACTURER. COORDINATE CONDUITS EMBEDDED IN THE PRECAST WALL WITH BRANCH CIRCUIT ROUTINGS SERVING PRECAST WALL DEVICES. REVIEW PRECAST WALL SHOP DRAWINGS TO VERIFY EMBEDDED JUNCTION BOX TYPE, SIZE, LOCATION, AND QUANTITIES, AND EMBEDDED CONDUIT SIZE, TYPE, ROUTING, AND QUANTITIES.

- KEYNOTES:**
- PROVIDE TWO (2) EMPTY 1" CONDUITS WITH PULL STRINGS FROM MAIN ELECTRICAL ROOM TO THE BOTTOM OF THE STRUCTURE OF THE FIELD HOUSE FOR FUTURE PROJECTOR. COORDINATE EXACT LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION. LABEL BOX "FUTURE PROJECTOR".
  - ROUTE CONDUIT/CONDUCTORS TO ASSOCIATED CONTROLLER IN STORAGE 1014. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF CONTROLLER. COORDINATE WITH MANUFACTURER FOR ADDITIONAL REQUIREMENTS.
  - PROVIDE CONTROL WIRING IN CONDUIT TO ALL FIELD HOUSE EQUIPMENT: BACKBOARDS, DIVIDER CURTAINS, BLEACHERS, BATTING CAGES, ETC. CONTROL WIRING SHALL BE ROUTED THRU GYM EQUIPMENT RELAY PANEL WITH UP AND DOWN CONTROL PER 2/E4.00 GYM EQUIPMENT CONTROL WIRING DIAGRAM. COORDINATE ADDITIONAL REQUIREMENTS WITH EQUIPMENT MANUFACTURER.



**1 LEVEL 2 PLAN - AREA 3 - POWER**  
 1/8" = 1'-0"

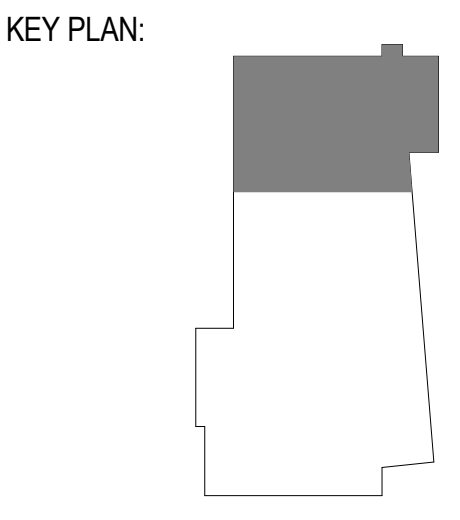
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**W W ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

Project # 14044.00  
 Design Firm Registration #14-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA DERIVED THEREON. SUCH DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES



SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2 PLAN - AREA  
 3 - POWER**

SHEET NUMBER:  
**E2.23**





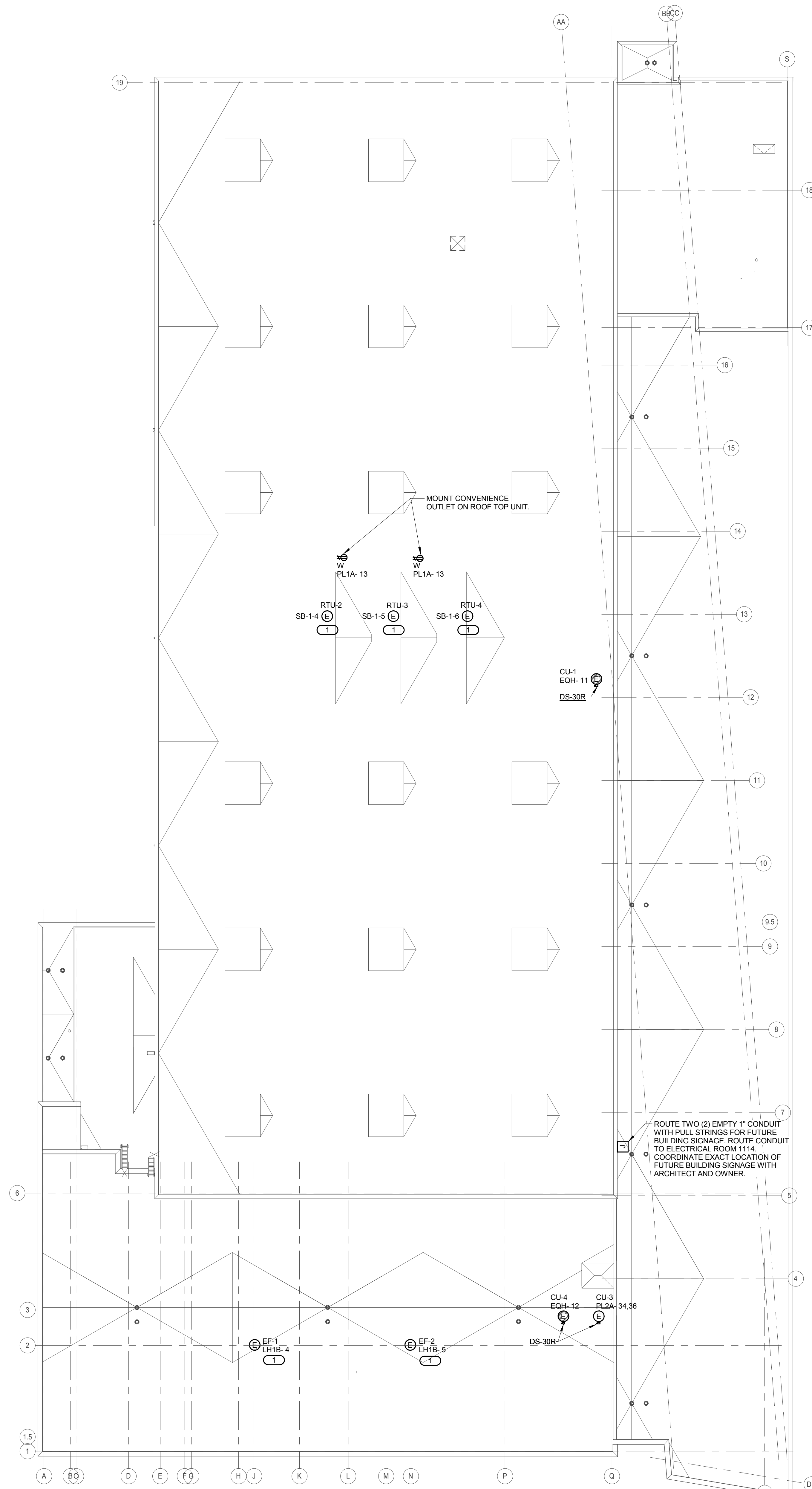
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

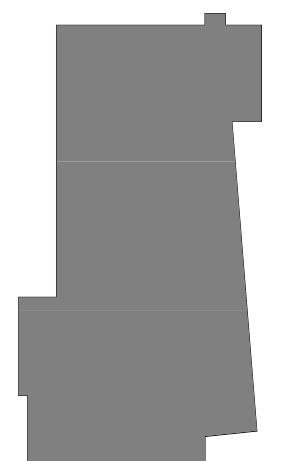
- GENERAL SHEET NOTES :**
- REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
  - REFER TO SHEETS E5.00 AND E5.01 FOR ELECTRICAL ONE LINE DIAGRAM.
  - REFER TO SHEETS E5.10 AND E5.11 FOR PANEL SCHEDULES.
  - REFER TO E5.01 FOR TRANSFORMER, TRANSFER SWITCH, VFD, CONTACTOR, AND DISCONNECT AND STARTER SCHEDULES.
  - COORDINATE EXACT LOCATION OF ALL DEVICES (RECEPTACLES, LIGHTING CONTROLLERS, JUNCTION/PULL BOXES, ETC.) INSTALLED ON THE PRECAST WALL WITH ARCHITECTURAL DRAWINGS AND PRECAST WALL MANUFACTURER. COORDINATE CONDUITS EMBEDDED IN THE PRECAST WALL WITH BRANCH CIRCUIT ROUTINGS SERVING PRECAST WALL DEVICES. REVIEW PRECAST WALL SHOP DRAWINGS TO VERIFY: EMBEDDED JUNCTION BOX TYPE, SIZE, LOCATION, AND QUANTITIES; AND EMBEDDED CONDUIT SIZE, TYPE, ROUTING, AND QUANTITIES.

- KEYNOTES:** ( # )
- CONNECT TO MANUFACTURER PROVIDED DISCONNECT/CONTROLLER.



**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7/17/15  
**BID PACKAGE 2**  
**ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**OVERALL ROOF**  
**PLAN - ELECTRICAL**

SHEET NUMBER:

**E2.30**



1

**OVERALL ROOF PLAN - ELECTRICAL**

1/16" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**KJWW ENGINEERING CONSULTANTS**  
 THE FUTURE IS SMARTER!  
 Illinois Design Firm Registration #18-00073  
 PROJECT # 14064-00

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SUCH DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

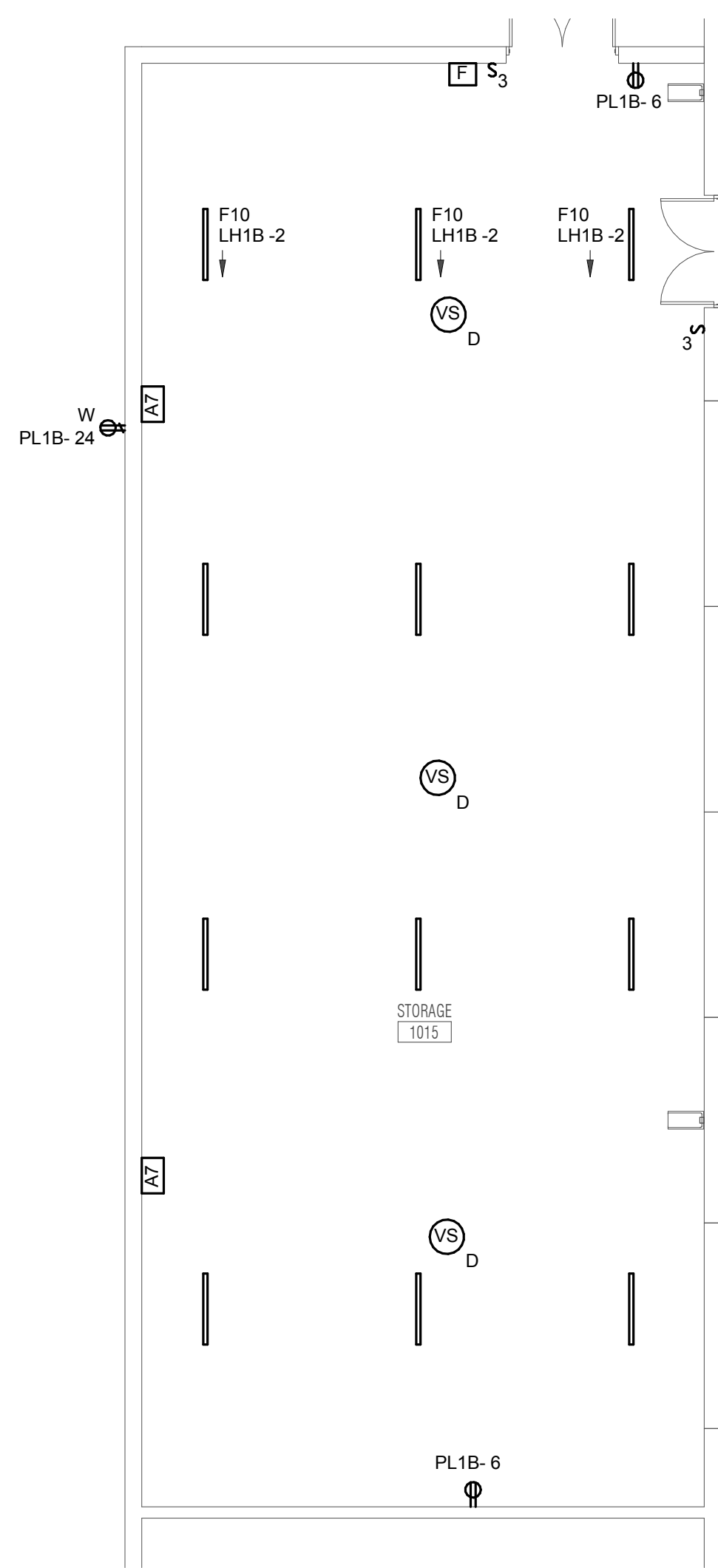
STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

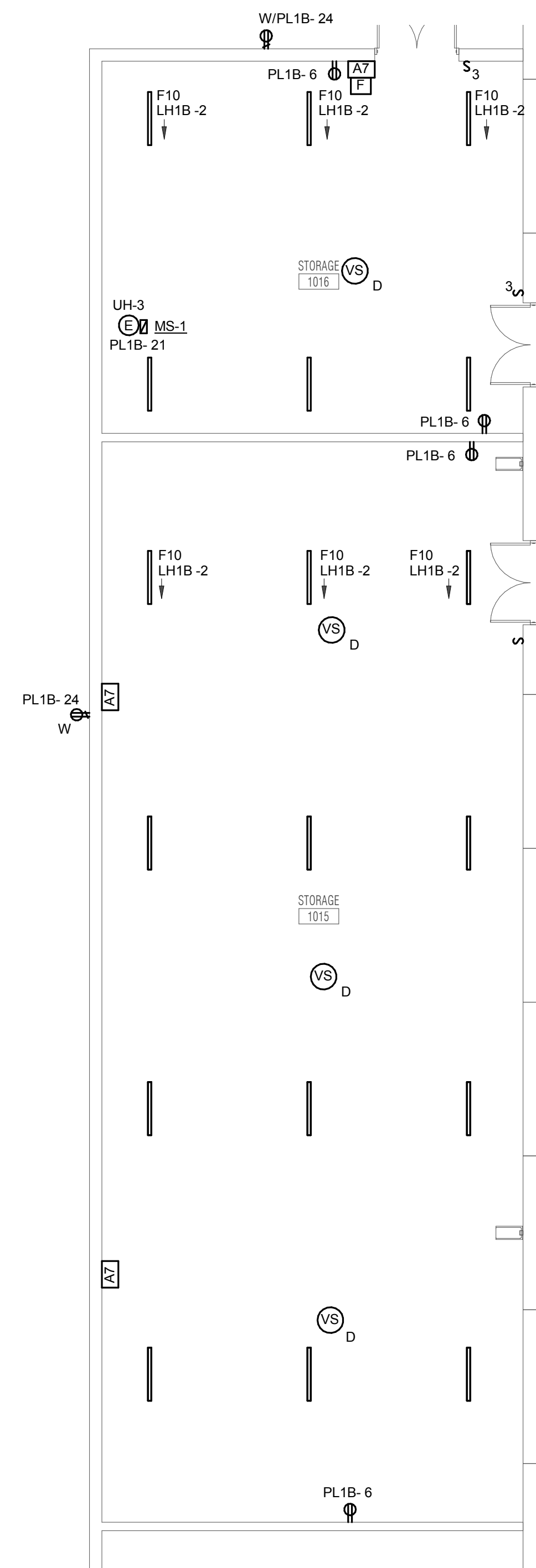
- GENERAL SHEET NOTES :**
- REFER TO SHEET E0.00 FOR GENERALELECTRICAL NOTES.
  - REFER TO SHEET E5.00 FOR LUMINAIRE SCHEDULE.
  - REFER TO SHEET 3/E4.02 FOR GENERAL OCCUPANCY / VACANCY SENSOR WIRING DIAGRAM.
  - REFER TO SHEET 1/E4.01 FOR FIRE ALARM OPERATION MATRIX AND 2/E4.01 FOR FIRE ALARM RISER DIAGRAM.
  - REFER TO 3/E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
  - REFER TO 0/E4.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
  - REFER TO E5.01 FOR TRANSFORMER, TRANSFER SWITCH, VFD, CONTACTOR, AND DISCONNECT AND STARTER SCHEDULES.
  - REFER TO SHEETS E5.00 AND E5.01 FOR ELECTRICAL ONE LINE DIAGRAM.
  - REFER TO SHEETS E5.10 AND E5.11 FOR PANEL SCHEDULES.
  - COORDINATE EXACT LOCATION OF ALL DEVICES (RECEPTACLES, LIGHTING CONTROLLERS, JUNCTION/PLUG BOXES, ETC.) INSTALLED ON THE PRECAST WALL WITH ARCHITECTURAL DRAWINGS AND PRECAST WALL MANUFACTURER. COORDINATE CONDUITS EMBEDDED IN THE PRECAST WALL WITH BRANCH CIRCUIT ROUTINGS SERVING PRECAST WALL DEVICES. REVIEW PRECAST WALL SHOP DRAWINGS TO VERIFY: EMBEDDED JUNCTION BOX TYPE, SIZE, LOCATION, AND QUANTITIES; AND EMBEDDED CONDUIT SIZE, TYPE, ROUTING, AND QUANTITIES.



**LEVEL 1 PLAN - ELECTRICAL - ALT BID 1**  
 1/8" = 1'-0"

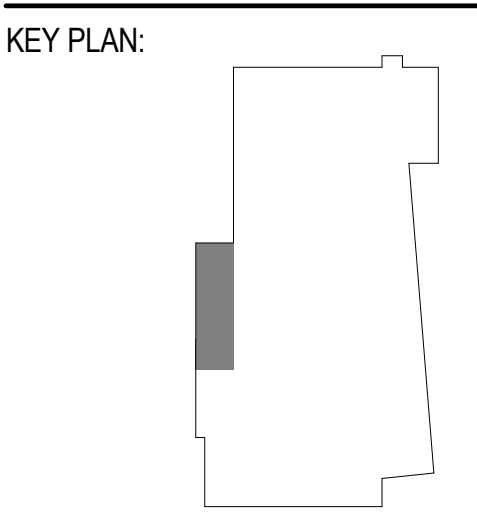


**LEVEL 1 PLAN - ELECTRICAL - ALT BID 2**  
 1/8" = 1'-0"



**LEVEL 1 PLAN - ELECTRICAL - ALT BID 3**  
 1/8" = 1'-0"

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ALTERNATE PLANS -  
 ELECTRICAL**

SHEET NUMBER:

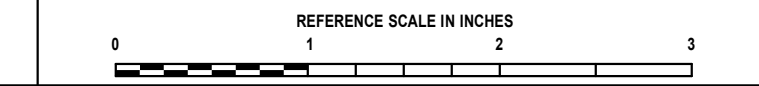
**E2.40**

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**W W ENGINEERING**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

PROJECT # 14-004-00  
 DESIGN FIRM REGISTRATION # 000773

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.





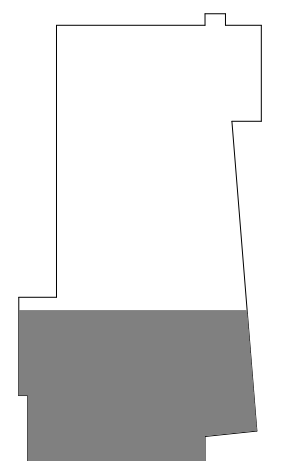
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD, SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7/17/15  
**BID PACKAGE 2**  
**ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

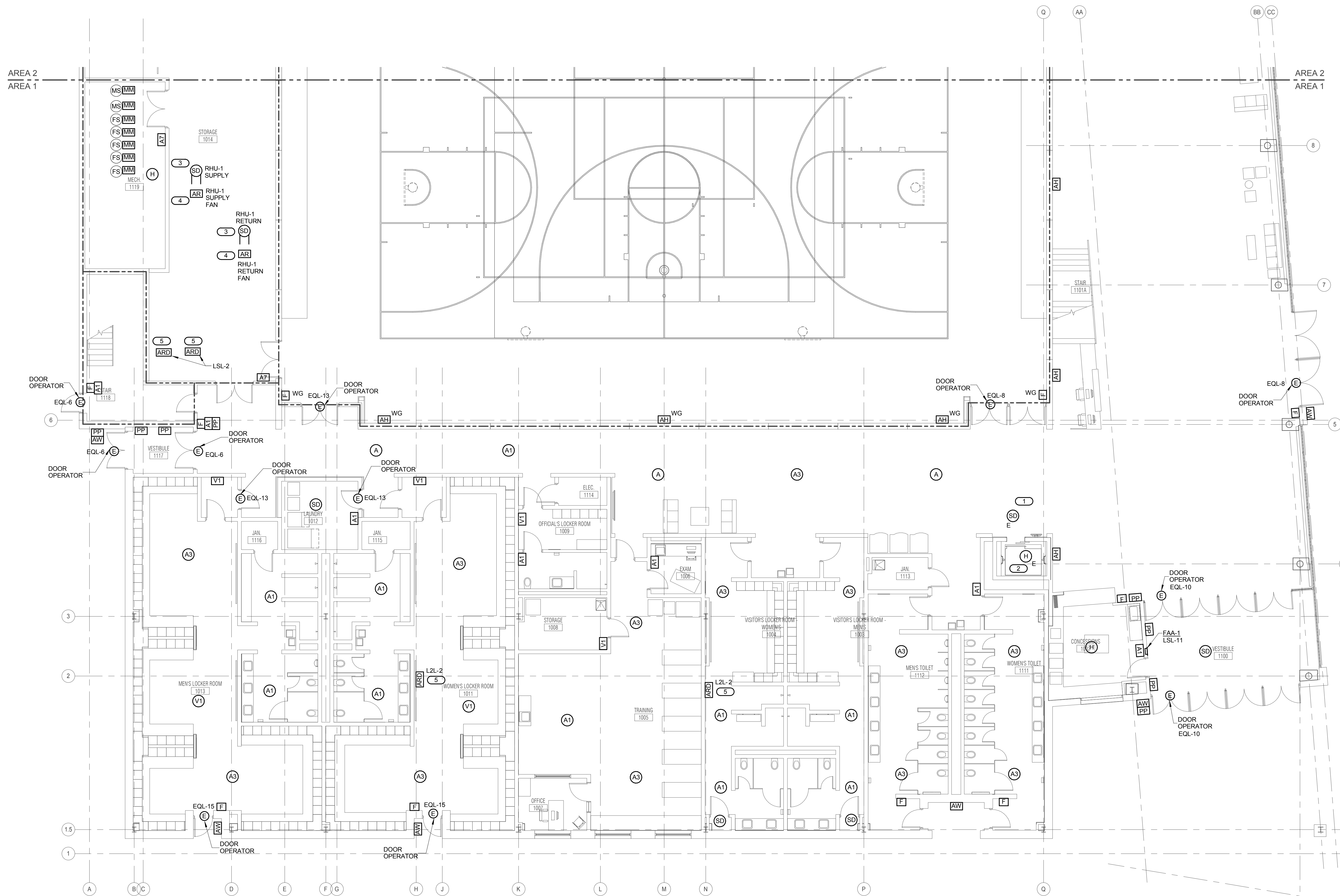
SHEET TITLE:  
**LEVEL 1 PLAN - AREA 1 - SYSTEMS**

SHEET NUMBER:

**E3.11**

- GENERAL SHEET NOTES:**
- REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
  - REFER TO SHEET 1/E4.01 FOR FIRE ALARM OPERATION MATRIX AND 2/E4.01 FOR FIRE ALARM RISER DIAGRAM.
  - REFER TO SHEETS E5.10 AND E5.11 FOR PANEL SCHEDULES.
  - REFER TO 3/E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
  - REFER TO 06A.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
  - COORDINATE EXACT LOCATION OF ALL DEVICES (RECEPTACLES, LIGHTING CONTROLLERS, JUNCTION/PULL BOXES, ETC.) INSTALLED ON THE PRECAST WALL WITH ARCHITECTURAL DRAWINGS AND PRECAST WALL MANUFACTURER. COORDINATE CONDUITS EMBEDDED IN THE PRECAST WALL WITH BRANCH CIRCUIT ROUTINGS SERVING PRECAST WALL DEVICES. REVIEW PRECAST WALL SHOP DRAWINGS TO VERIFY EMBEDDED JUNCTION BOX TYPE, SIZE, LOCATION, AND QUANTITIES; AND EMBEDDED CONDUIT SIZE, TYPE, ROUTING, AND QUANTITIES.

- KEYNOTES:**
- LOCATE SMOKE DETECTOR WITHIN 5'-0" OF ELEVATOR DOOR.
  - LOCATE HEAT DETECTOR WITHIN 2'-0" OF SPRINKLER HEAD.
  - DUCT TYPE SMOKE DETECTOR FOR AIR HANDLING UNIT SHUTDOWN. INSTALL SAMPLING TUBES IN STRAIGHT RUN OF DUCT, DOWN STREAM OF FILTERS AND AHEAD OF BRANCH DUCTS. COORDINATE INSTALLATION PRIOR TO ROUGH-IN. SEAL ALL DUCT PENETRATIONS AIR-TIGHT.
  - COORDINATE CONNECTION TO MOTOR CONTROLLER FOR FAN SHUTDOWN. MOUNT ADDRESSABLE RELAY WITHIN 3'-0" OF CONTROLLER.
  - PROVIDE SMOKE OR FIRE/SMOKE DAMPER CONTROLLER IN DUCTWORK PENETRATING SMOKE SEPARATIONS. REFER TO 3/E4.01 SMOKE DAMPER CONTROLLER DETAIL FOR ADDITIONAL INFORMATION.



**1 LEVEL 1 PLAN - AREA 1 - SYSTEMS**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

Project # 14064.00

© 2015 KJWW, P.C.





ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

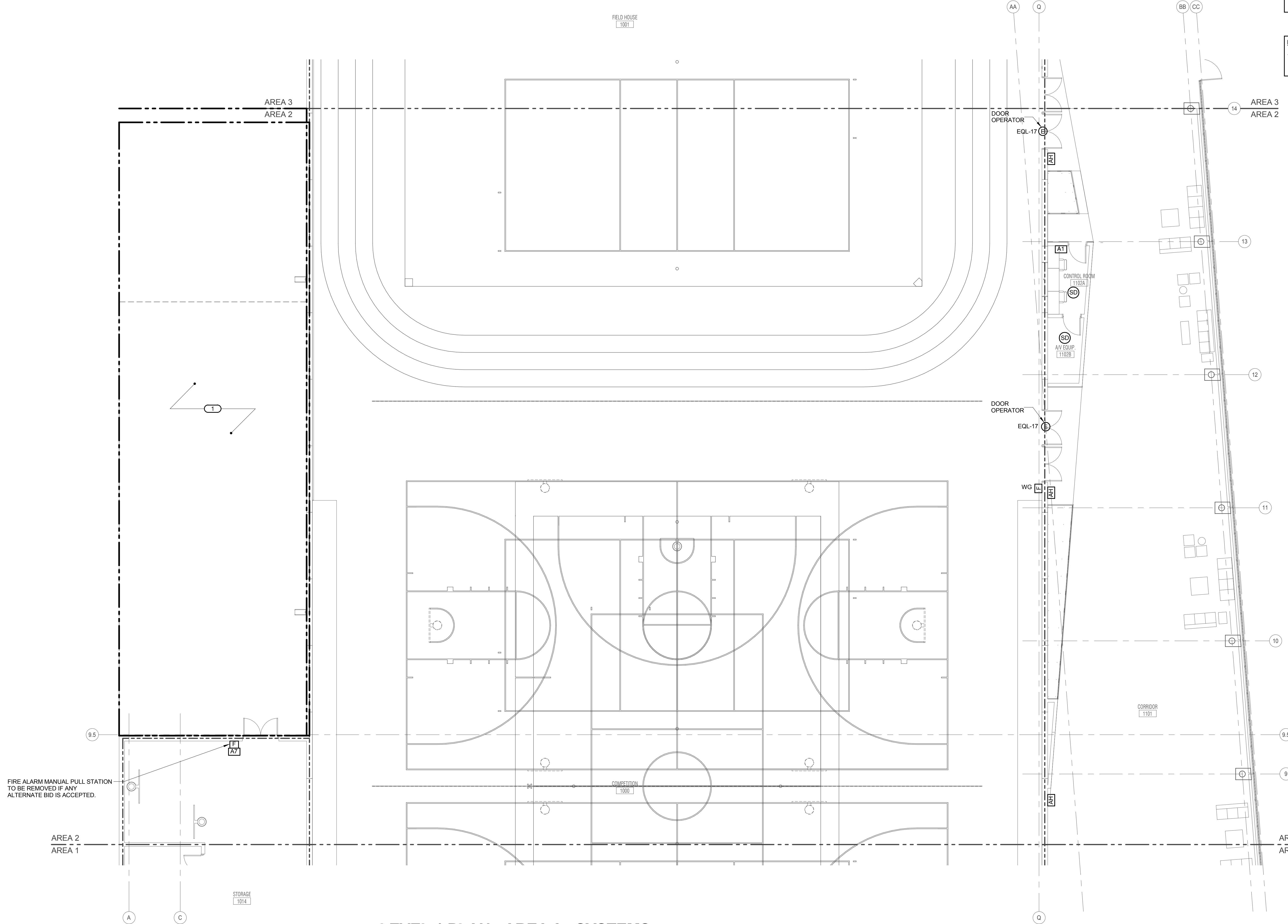
STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD, SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

- GENERAL SHEET NOTES :**
- REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
  - REFER TO SHEET 1E4.01 FOR FIRE ALARM OPERATION MATRIX AND 2E4.01 FOR FIRE ALARM RISER DIAGRAM.
  - REFER TO SHEETS E5.10 AND E5.11 FOR PANEL SCHEDULES.
  - REFER TO 3E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
  - REFER TO 8E4.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
  - COORDINATE EXACT LOCATION OF ALL DEVICES (RECEPTACLES, LIGHTING CONTROLLERS, JUNCTION/PULL BOXES, ETC.) INSTALLED ON THE PRECAST WALL WITH ARCHITECTURAL DRAWINGS AND PRECAST WALL MANUFACTURER. COORDINATE CONDUITS EMBEDDED IN THE PRECAST WALL WITH BRANCH CIRCUIT ROUTINGS SERVING PRECAST WALL DEVICES. REVIEW PRECAST WALL SHOP DRAWINGS TO VERIFY: EMBEDDED JUNCTION BOX TYPE, SIZE, LOCATION, AND QUANTITIES, AND EMBEDDED CONDUIT SIZE, TYPE, ROUTING, AND QUANTITIES.

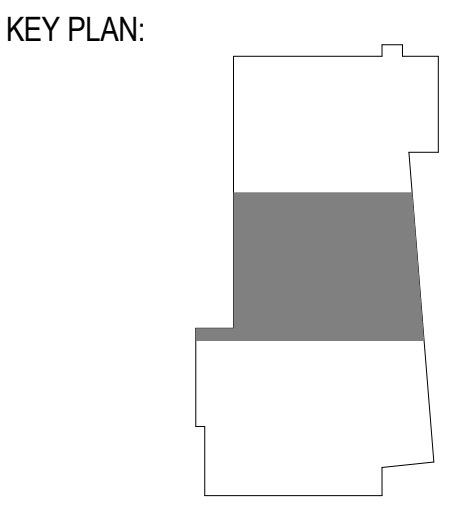
- KEYNOTES: #**
- REFER TO SHEET E2.40 ALTERNATE PLANS - ELECTRICAL FOR SCOPE OF WORK TO BE INCORPORATED UNDER ALT BID #1, #2, AND #3.



FIRE ALARM MANUAL PULL STATION TO BE REMOVED IF ANY ALTERNATE BID IS ACCEPTED.

**1 LEVEL 1 PLAN - AREA 2 - SYSTEMS**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14044.00  
 DESIGN FIRM REGISTRATION #14-00073  
 KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.



SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1 PLAN - AREA  
 2 - SYSTEMS**

SHEET NUMBER:  
**E3.12**



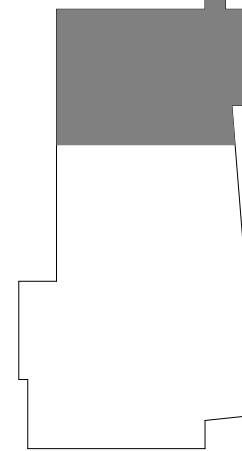
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

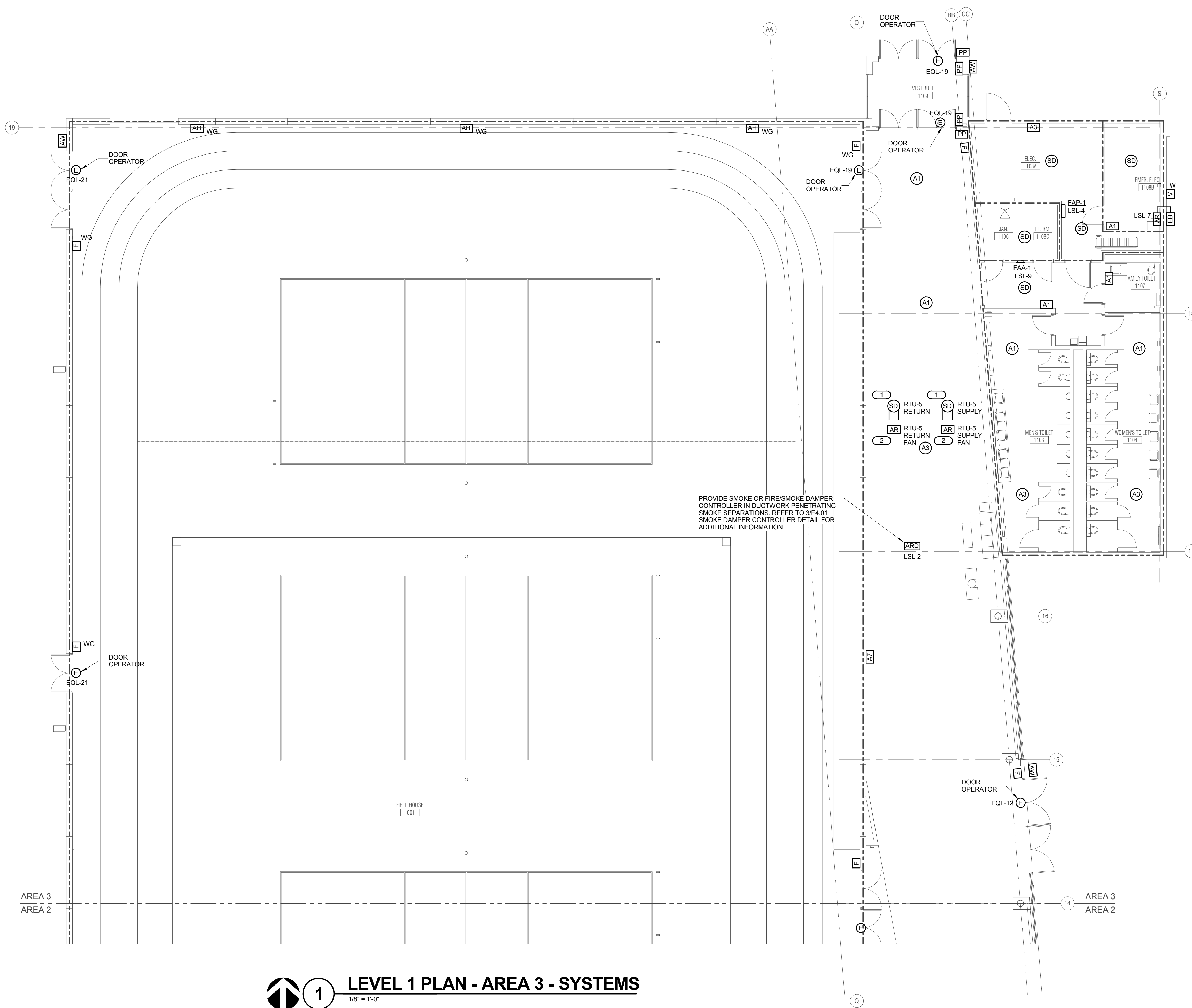
SHEET TITLE:  
**LEVEL 1 PLAN - AREA  
 3 - SYSTEMS**

SHEET NUMBER:

**E3.13**

- GENERAL SHEET NOTES:**
- REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
  - REFER TO SHEET 1/E4.01 FOR FIRE ALARM OPERATION MATRIX AND 2/E4.01 FOR FIRE ALARM RISER DIAGRAM.
  - REFER TO SHEETS E5.10 AND E5.11 FOR PANEL SCHEDULES.
  - REFER TO 3/E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
  - REFER TO 06A.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
  - COORDINATE EXACT LOCATION OF ALL DEVICES (RECEPTACLES, LIGHTING CONTROLLERS, JUNCTION/PULL BOXES, ETC.) INSTALLED ON THE PRECAST WALL WITH ARCHITECTURAL DRAWINGS AND PRECAST WALL MANUFACTURER. COORDINATE CONDUITS EMBEDDED IN THE PRECAST WALL WITH BRANCH CIRCUIT ROUTINGS SERVING PRECAST WALL DEVICES. REVIEW PRECAST WALL SHOP DRAWINGS TO VERIFY EMBEDDED JUNCTION BOX TYPE, SIZE, LOCATION, AND QUANTITIES; AND EMBEDDED CONDUIT SIZE, TYPE, ROUTING, AND QUANTITIES.

- KEYNOTES:**
- DUCT TYPE SMOKE DETECTOR FOR AIR HANDLING UNIT SHUTDOWN. INSTALL SAMPLING TUBES IN STRAIGHT RUN OF DUCT, DOWN STREAM OF FILTERS AND AHEAD OF BRANCH DUCTS. COORDINATE INSTALLATION PRIOR TO ROUGH-IN. SEAL ALL DUCT PENETRATIONS AIR-TIGHT.
  - COORDINATE CONNECTION TO MOTOR CONTROLLER FOR FAN SHUTDOWN. MOUNT ADDRESSABLE RELAY WITHIN 3'-0" OF CONTROLLER.



**1 LEVEL 1 PLAN - AREA 3 - SYSTEMS**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM

Project: 14-004  
 Design Firm Registration #18-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



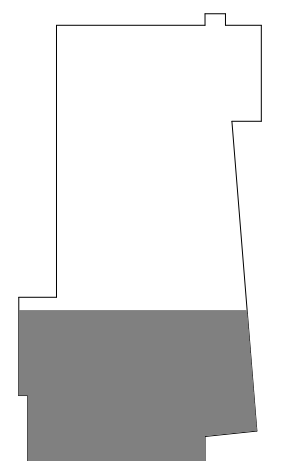
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7/17/15  
**BID PACKAGE 2**  
**ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

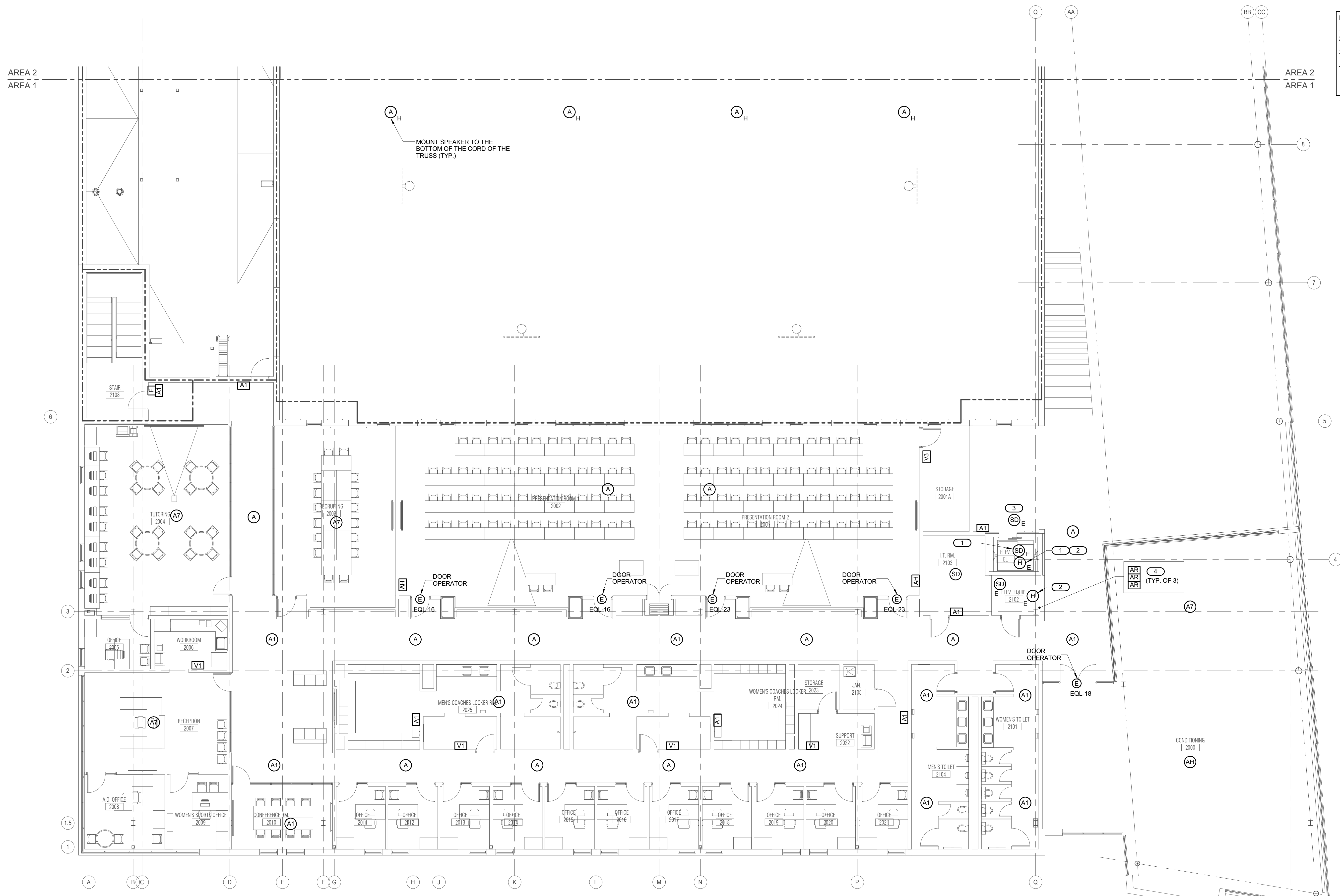
SHEET TITLE:  
**LEVEL 2 PLAN - AREA 1 - SYSTEMS**

SHEET NUMBER:

**E3.21**

- GENERAL SHEET NOTES:**
- REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
  - REFER TO SHEET 1/E4.01 FOR FIRE ALARM OPERATION MATRIX AND 2/E4.01 FOR FIRE ALARM RISER DIAGRAM.
  - REFER TO SHEETS E5.10 AND E5.11 FOR PANEL SCHEDULES.
  - REFER TO 3/E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
  - REFER TO 06A.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
  - COORDINATE EXACT LOCATION OF ALL DEVICES (RECEPTACLES, LIGHTING CONTROLLERS, JUNCTION/PULL BOXES, ETC.) INSTALLED ON THE PRECAST WALL WITH ARCHITECTURAL DRAWINGS AND PRECAST WALL MANUFACTURER. COORDINATE CONDUITS EMBEDDED IN THE PRECAST WALL WITH BRANCH CIRCUIT ROUTINGS SERVING PRECAST WALL DEVICES. REVIEW PRECAST WALL SHOP DRAWINGS TO VERIFY EMBEDDED JUNCTION BOX TYPE, SIZE, LOCATION, AND QUANTITIES, AND EMBEDDED CONDUIT SIZE, TYPE, ROUTING, AND QUANTITIES.

- KEYNOTES:**
- LOCATE AT THE TOP OF SHAFT.
  - LOCATE HEAT DETECTOR WITHIN 2'-0" OF SPRINKLER HEAD.
  - LOCATE SMOKE DETECTOR WITHIN 6'-0" OF ELEVATOR DOOR.
  - PROVIDE THREE (3) FIRE ALARM RELAYS FOR ELEVATOR. RELAYS ARE FOR DESIGNATED FLOOR RECALL, ALTERNATE FLOOR RECALL, AND ELEVATOR EQUIPMENT ROOM UNSAFE ALARM.



**1 LEVEL 2 PLAN - AREA 1 - SYSTEMS**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM

**KJWW ENGINEERING**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM

Project # 14-004-00  
 Design Firm Registration #18-00073  
 © 2015 KJWW, P.C.  
 KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. THIS DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING.

REFERENCE SCALE IN INCHES  
 0 1 2 3





ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

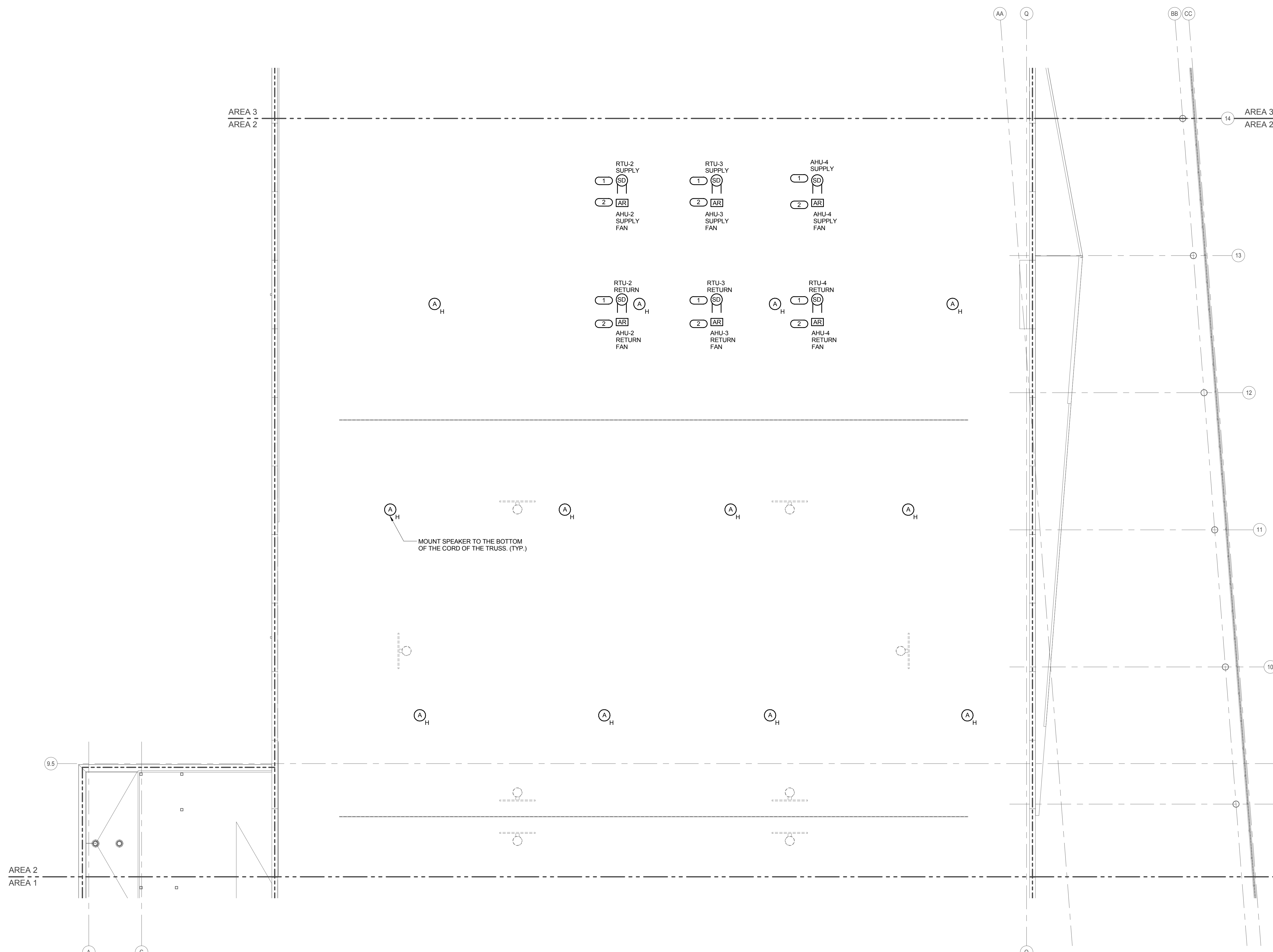
STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

- GENERAL SHEET NOTES :**
- REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
  - REFER TO SHEET 1/E4.01 FOR FIRE ALARM OPERATION MATRIX AND 2/E4.01 FOR FIRE ALARM RISER DIAGRAM.
  - REFER TO SHEETS E5.10 AND E5.11 FOR PANEL SCHEDULES.
  - REFER TO 3/E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
  - REFER TO 06A.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
  - COORDINATE EXACT LOCATION OF ALL DEVICES (RECEPTACLES, LIGHTING CONTROLLERS, JUNCTION/PULL BOXES, ETC.) INSTALLED ON THE PRECAST WALL WITH ARCHITECTURAL DRAWINGS AND PRECAST WALL MANUFACTURER. COORDINATE CONDUITS BRANCH CIRCUIT ROUTINGS SERVING PRECAST WALL DEVICES. REVIEW PRECAST WALL SHOP DRAWINGS TO VERIFY EMBEDDED JUNCTION BOX TYPE, SIZE, LOCATION, AND QUANTITIES; AND EMBEDDED CONDUIT SIZE, TYPE, ROUTING, AND QUANTITIES.

- KEYNOTES:**
- DUCT TYPE SMOKE DETECTOR FOR AIR HANDLING UNIT SHUTDOWN. INSTALL SAMPLING TUBES IN STRAIGHT RUN OF DUCT, DOWN STREAM OF FILTERS AND AHEAD OF BRANCH DUCTS. COORDINATE INSTALLATION PRIOR TO ROUGH-IN. SEAL ALL DUCT PENETRATIONS AIR-TIGHT.
  - COORDINATE CONNECTION TO MOTOR CONTROLLER FOR FAN SHUTDOWN. MOUNT ADDRESSABLE RELAY WITHIN 3'-0" OF CONTROLLER.



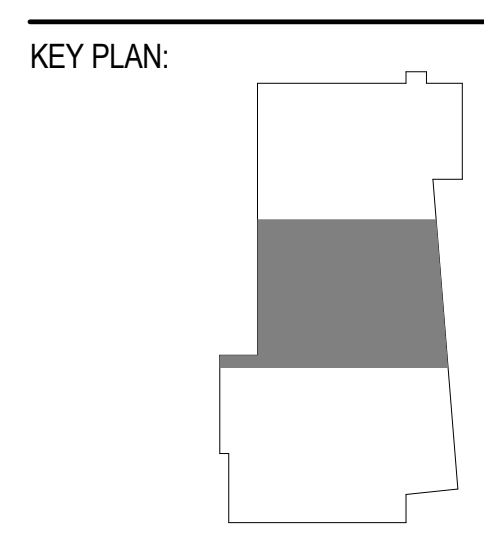
**1 LEVEL 2 PLAN - AREA 2 - SYSTEMS**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM

Project # 14044.00  
 © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES



SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2 PLAN - AREA  
 2 - SYSTEMS**

SHEET NUMBER:  
**E3.22**

- GENERAL SHEET NOTES :**
- REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
  - REFER TO SHEET 1E4.01 FOR FIRE ALARM OPERATION MATRIX AND 2E4.01 FOR FIRE ALARM RISER DIAGRAM.
  - REFER TO SHEETS E5.10 AND E5.11 FOR PANEL SCHEDULES.
  - REFER TO 3E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
  - REFER TO 6E4.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
  - COORDINATE EXACT LOCATION OF ALL DEVICES (RECEPTACLES, LIGHTING CONTROLLERS, JUNCTION/PULL BOXES, ETC.) INSTALLED ON THE PRECAST WALL WITH ARCHITECTURAL DRAWINGS AND PRECAST WALL MANUFACTURER. COORDINATE CONDUITS EMBEDDED IN THE PRECAST WALL WITH BRANCH CIRCUIT ROUTINGS SERVING PRECAST WALL DEVICES. REVIEW PRECAST WALL SHOP DRAWINGS TO VERIFY: EMBEDDED JUNCTION BOX TYPE, SIZE, LOCATION, AND QUANTITIES, AND EMBEDDED CONDUIT SIZE, TYPE, ROUTING, AND QUANTITIES.

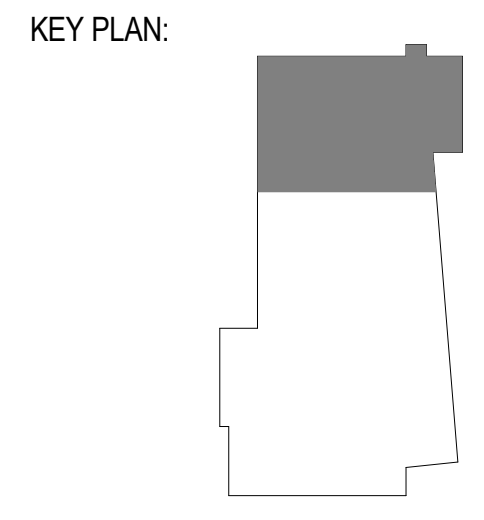


ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

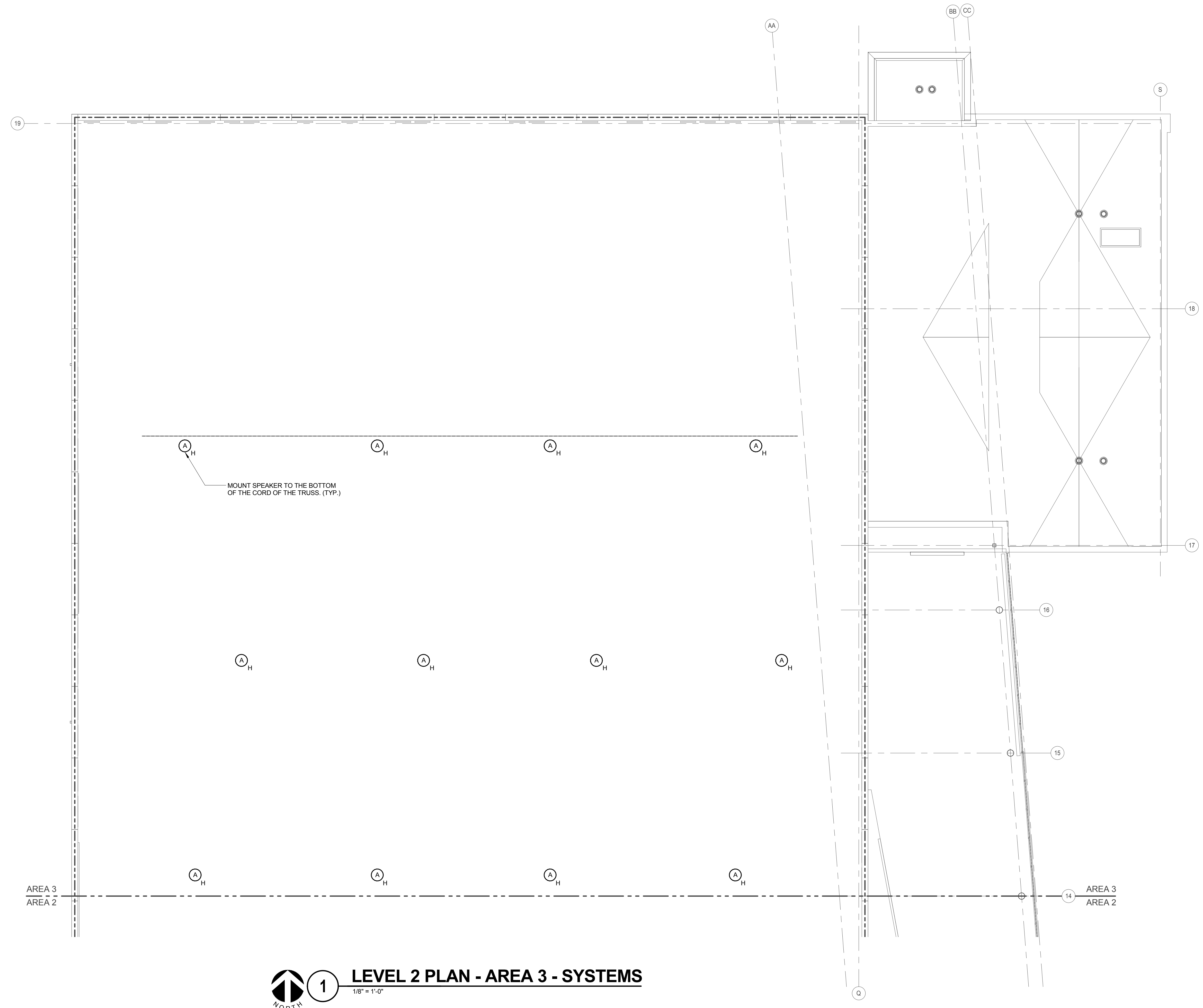


SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2 PLAN - AREA  
 3 - SYSTEMS**

SHEET NUMBER:  
**E3.23**



**1 LEVEL 2 PLAN - AREA 3 - SYSTEMS**  
 1/8" = 1'-0"



**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM

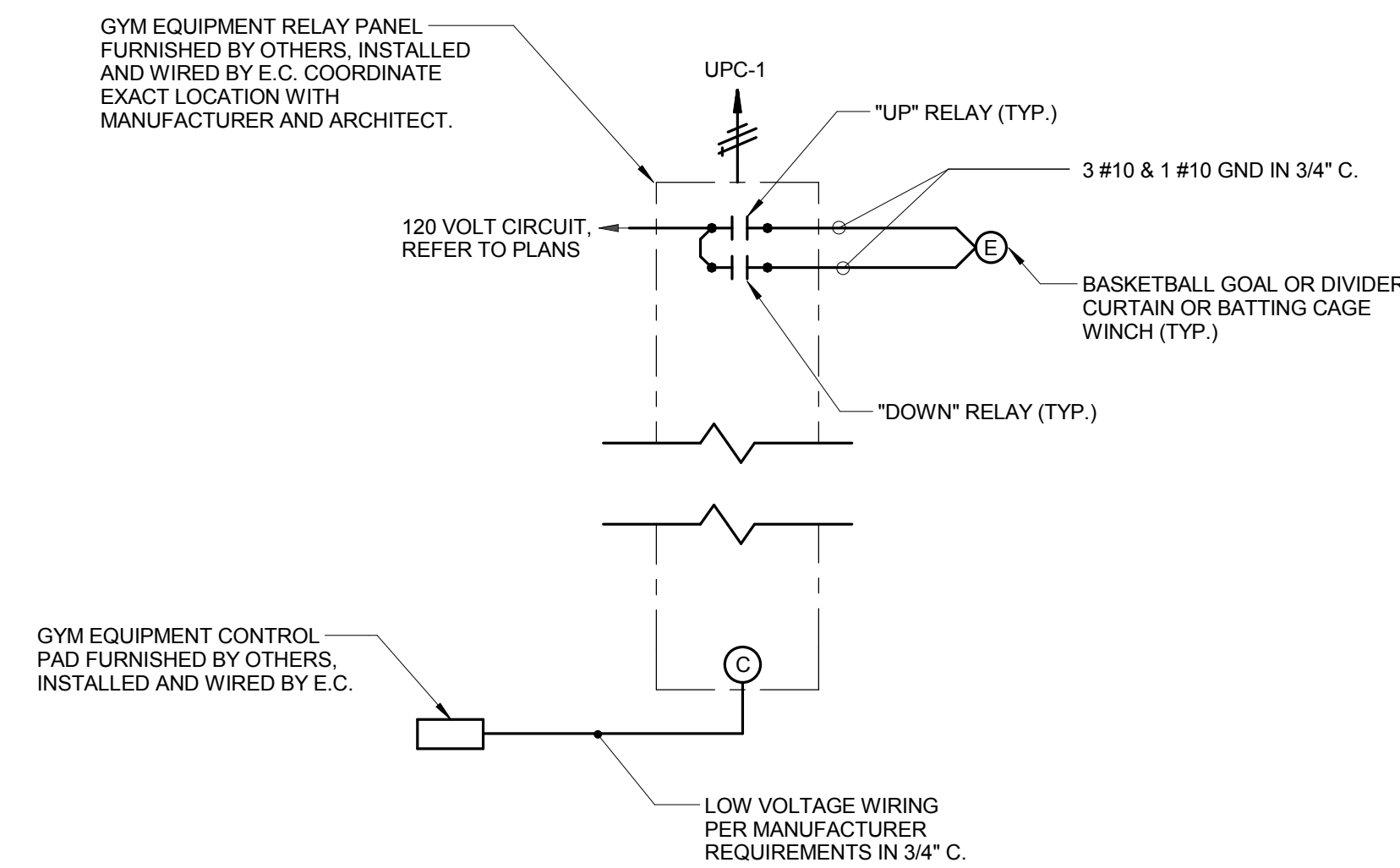
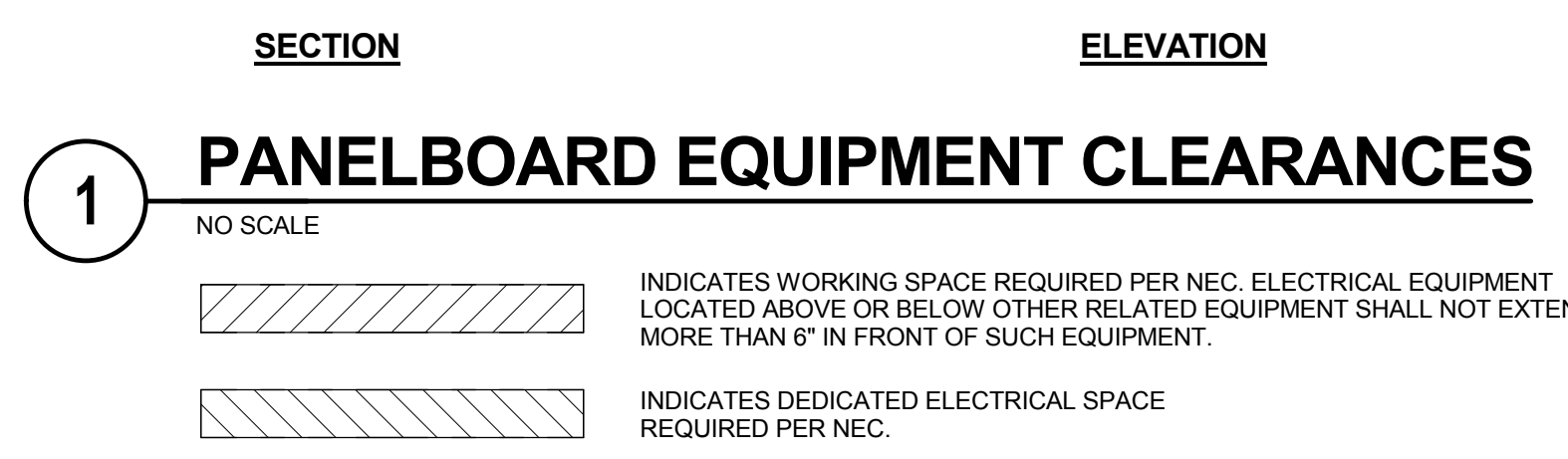
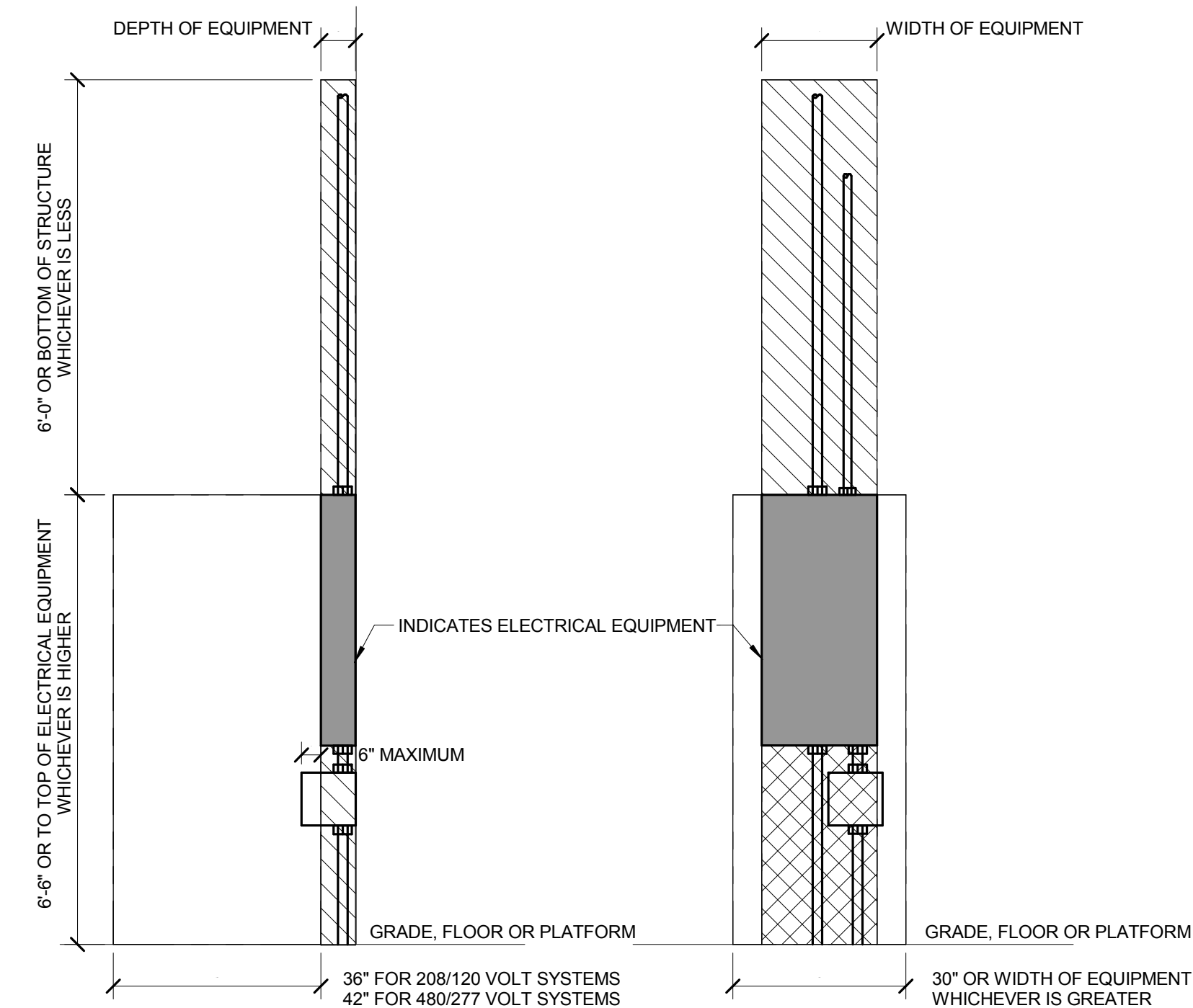
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM

PROJECT # 14064.00  
 DESIGN FIRM REGISTRATION #16-00073

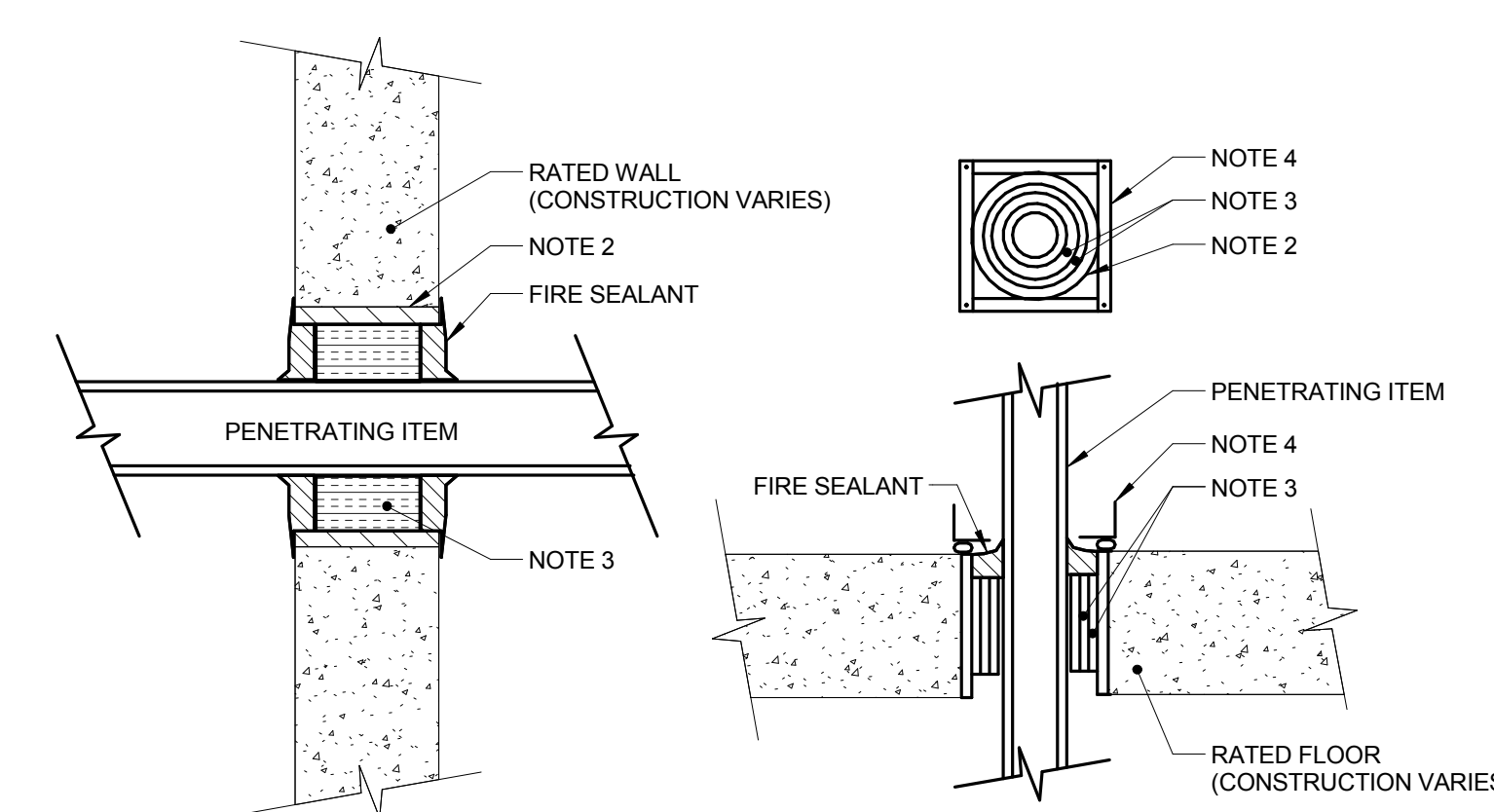
KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3

NO.	DESCRIPTION:	DATE:



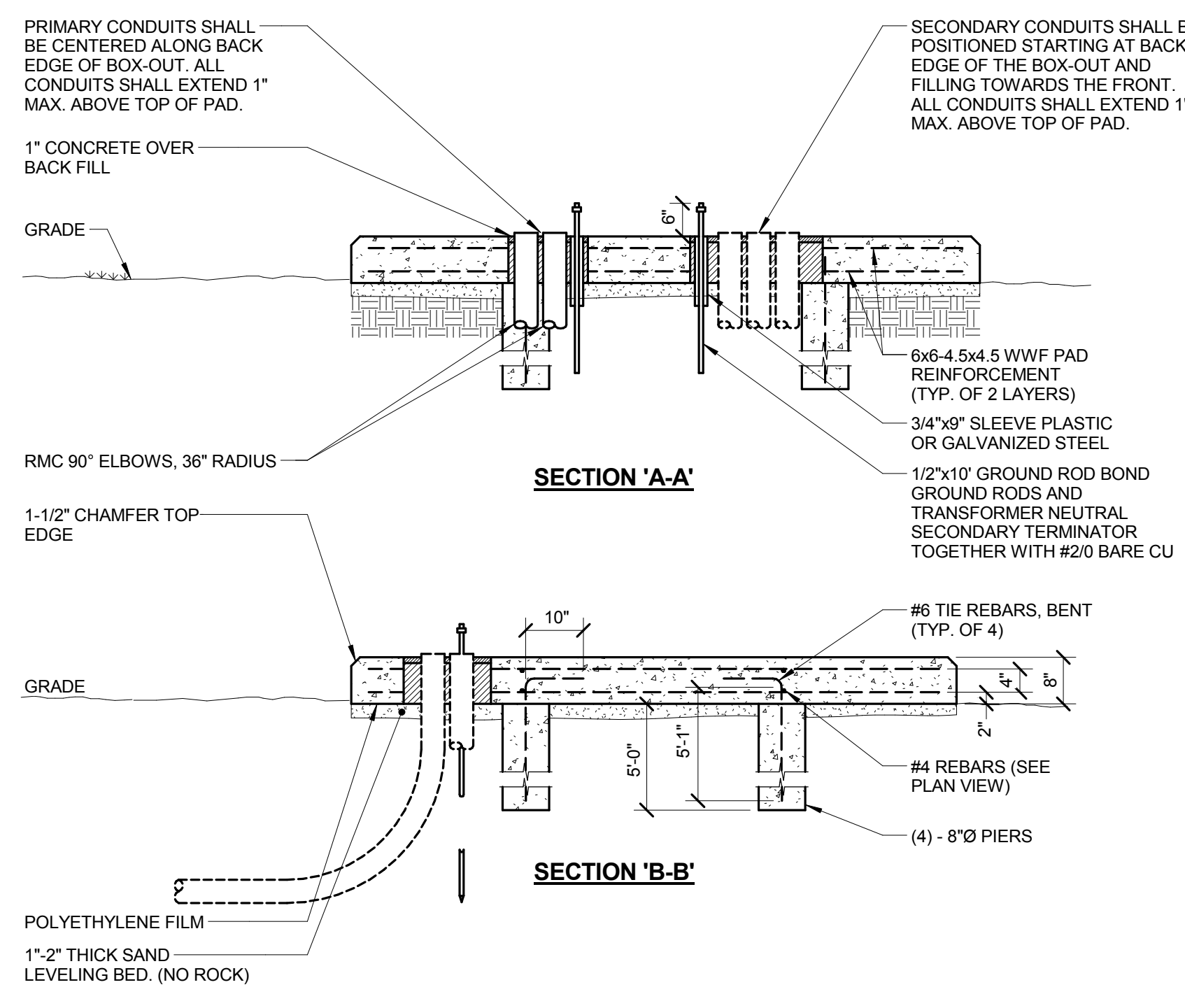
**2 GYM EQUIPMENT CONTROL DIAGRAM**  
 NO SCALE



**3 FIRE BARRIER PENETRATION**  
 NO SCALE

NOTES:

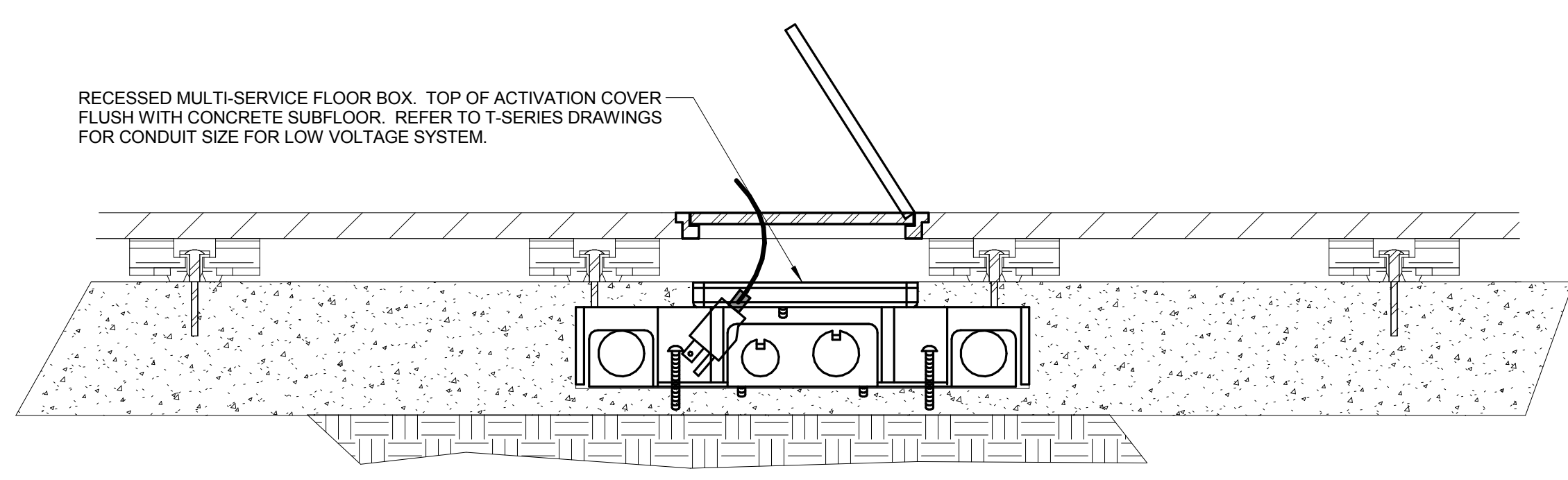
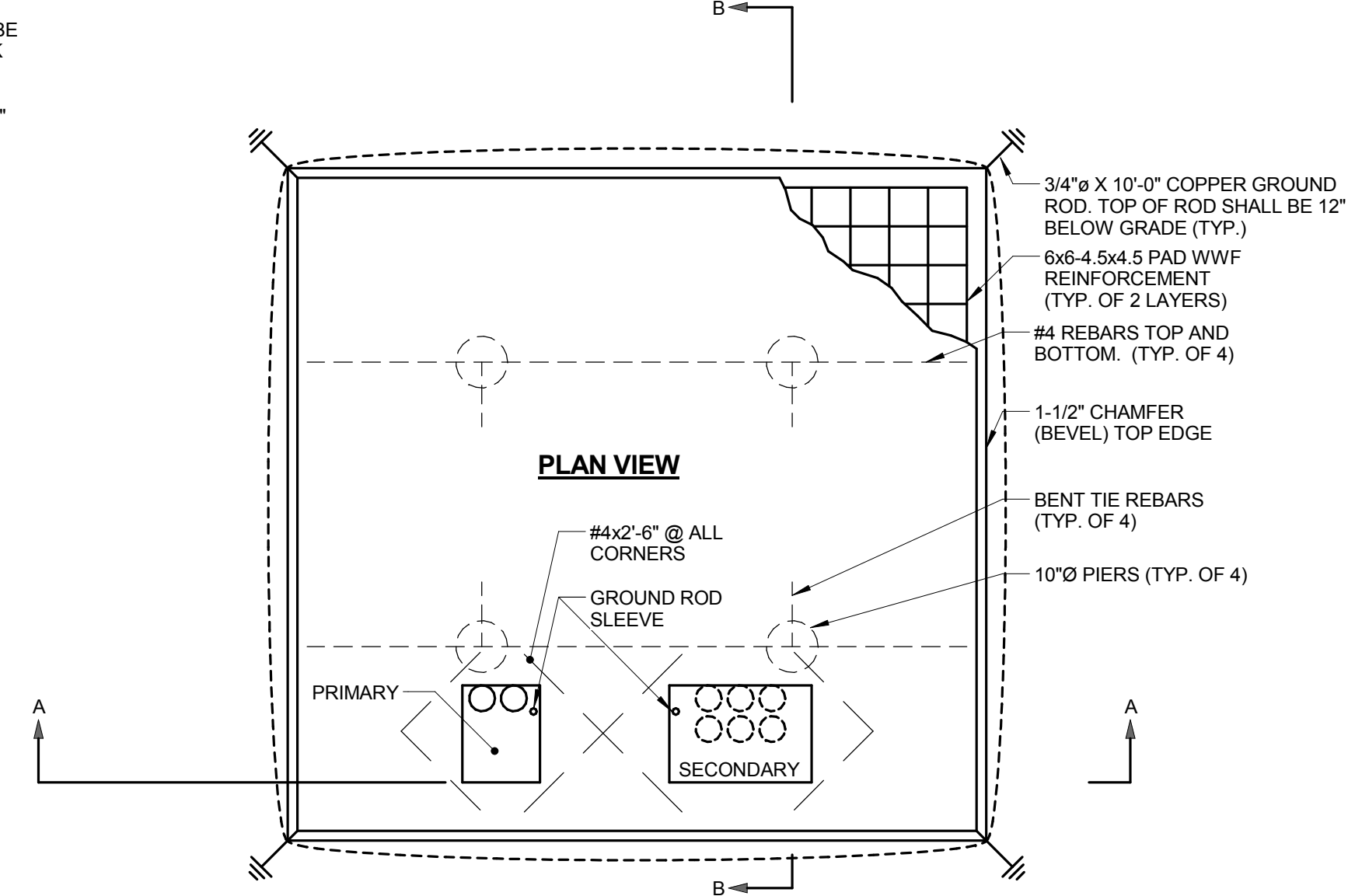
- THIS GENERAL DETAIL APPLIES TO ALL ITEMS PENETRATING FIRE RATED WALLS OR FLOORS. THE INTENT IS TO MAINTAIN THE FIRE RATING AND TO ALLOW LONGITUDINAL MOVEMENT. REFER TO SPECIFICATION SECTION 28 05 03 FOR SELECTION OF THROUGH PENETRATION FIRE STOPPING.
- SCHEDULE 5 PIPE SLEEVE EMBEDDED IN WALL OR FLOOR, OR SMOOTH CORE DRILL. EACH CONTRACTOR FURNISHES SLEEVE TO G.C. COORDINATES SLEEVE LOCATIONS AND DEBURS SLEEVE. G.C. BUILDS SLEEVE INTO WALL OR FLOOR ALLOWING NO GAP AROUND SLEEVE. IF SLEEVE IS NOT PROVIDED WHEN WALL OR FLOOR IS BUILT, CONTRACTOR SHALL INSTALL SLEEVE. SLEEVE SIZE SHALL ALLOW ANNULAR SPACE REQUIRED BY THE SELECTED FIRE STOP SYSTEM.
- INSTALL BACKING MATERIAL, SUCH AS MINERAL WOOL SAFING, AS REQUIRED FOR FIRE STOP SYSTEM. INSTALL IN ACCORDANCE WITH FIRE STOP SYSTEM APPLICATION LISTING. SECURE TO WALL OR FLOOR TO ALLOW LONGITUDINAL MOVEMENT OF PENETRATING ITEM WITHOUT MOVEMENT OF FIRE BARRIER.
- WATER-TIGHT WELDED 1"x1" 20 GAUGE MINIMUM GALVANIZED SHEET METAL ANGLE FRAME, BY CONTRACTOR IN EQUIPMENT ROOMS FOR WATER STOP. PLACE A BEAD OF WATERPROOF SEALANT BETWEEN FLOOR AND BOTTOM OF ANGLE FRAME. SECURE TO FLOOR WITH MASONRY ANCHORS IN CORNERS AND ON 12" MAXIMUM CENTERS. MULTIPLE PENETRATING ITEMS MAY BE ENCLOSED IN ONE FRAME.



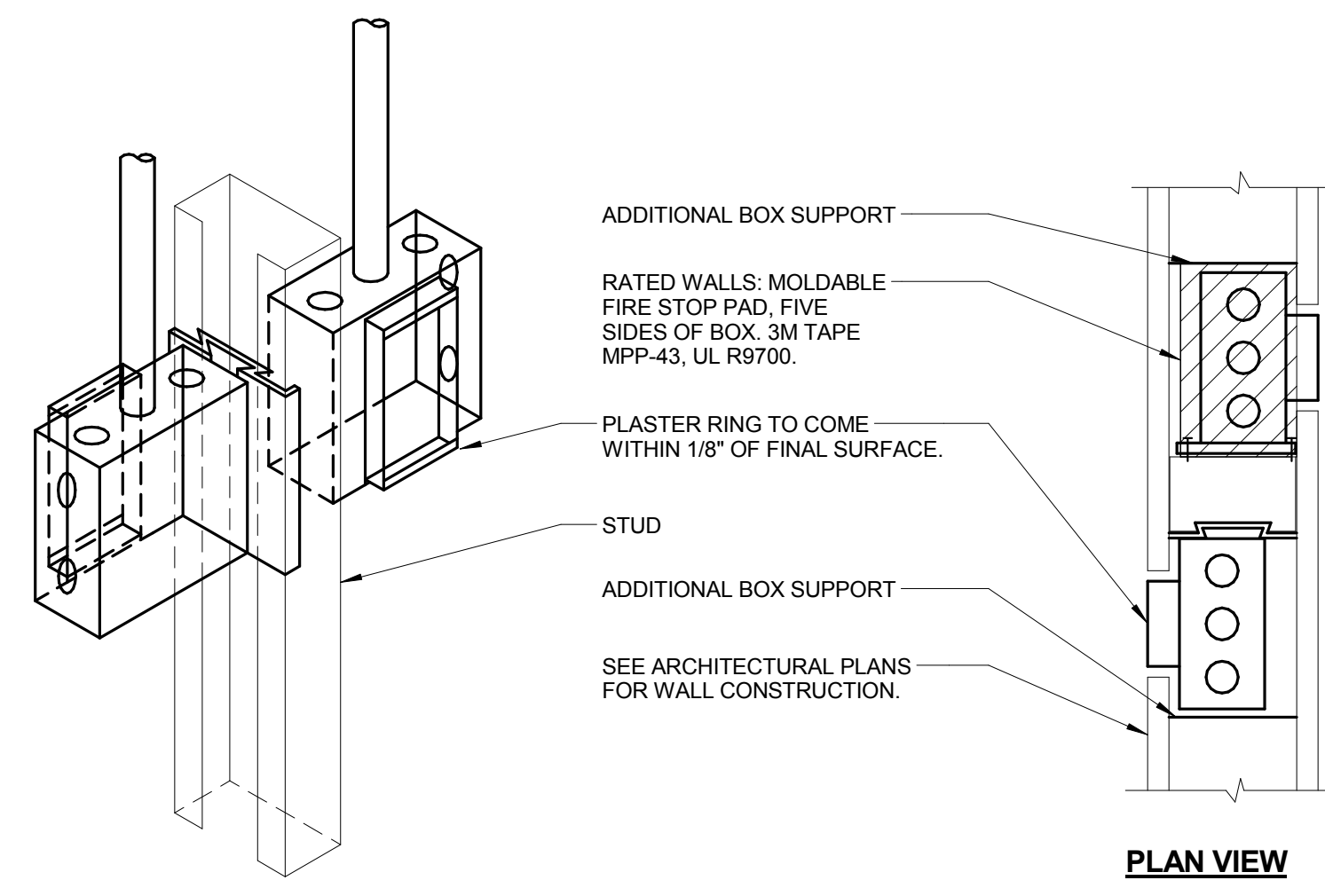
**4 MEDIUM VOLTAGE TRANSFORMER PAD DETAIL**  
 NO SCALE

NOTES:

- CONCRETE:  $f_c \geq 3500$  PSI AT 28 DAYS.
- REINFORCING STEEL: ASTM A 615-60.
- 6x6-4.5x4.5 WELDED WIRE FABRIC (WWF): ASTM A 185.
- SOIL:  $\geq 95$  PERCENT PROCTOR DENSITY OR 55 PSI PBV.
- BASES SHALL EXTEND 3" ON ALL SIDES OF THE TRANSFORMER. COORDINATE EXACT DIMENSIONS WITH TRANSFORMER MANUFACTURER.



**5 GYM FLOOR BOX DETAIL**  
 NO SCALE



**6 SIDE BY SIDE DEVICE OPENINGS**  
 NO SCALE

NOTES:

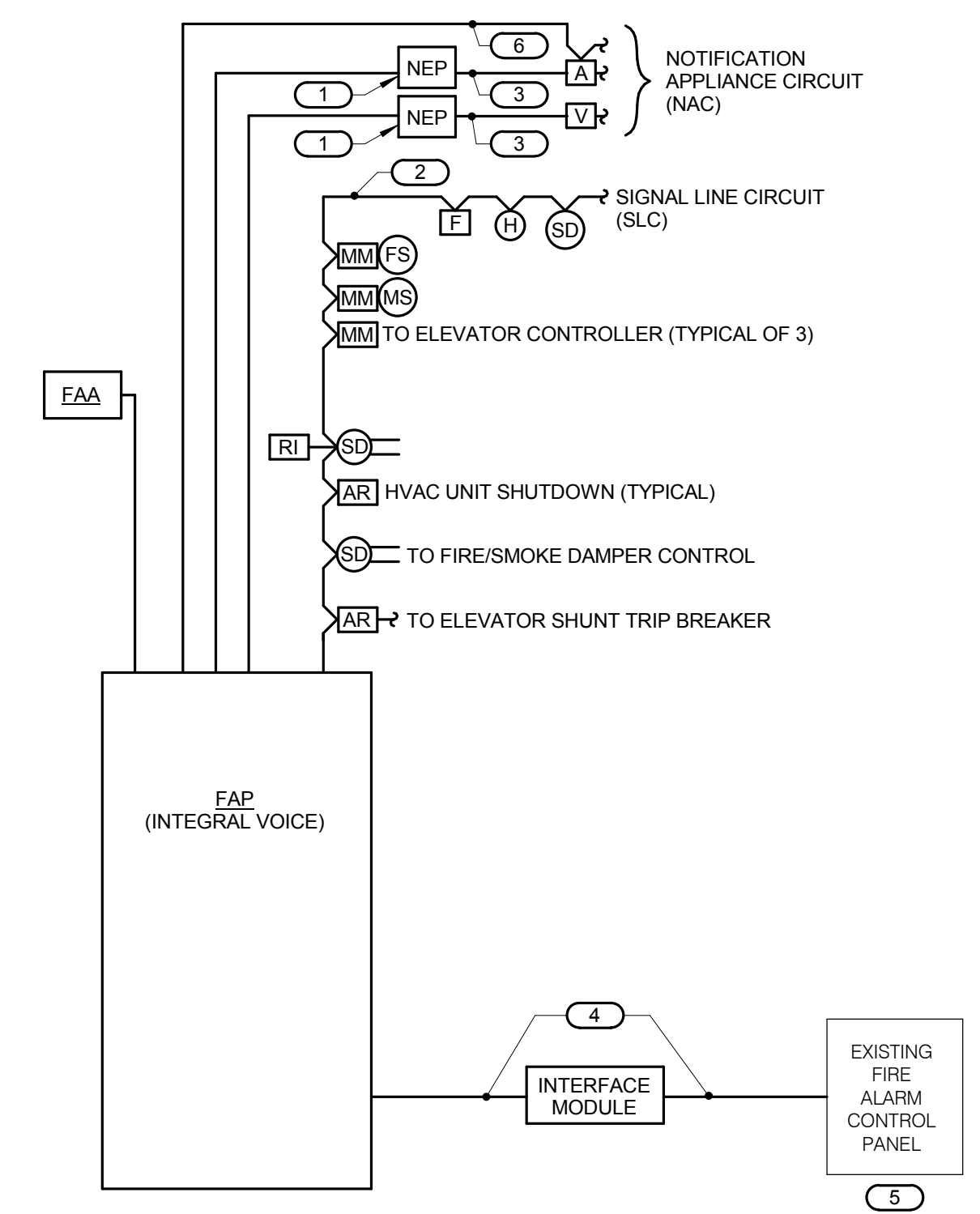
- HORIZONTAL CONDUIT CONNECTION BETWEEN BOXES LESS THAN 2'-0" NOT PERMITTED. SEE SPECIFICATIONS AND DRAWING NOTES FOR ADDITIONAL SPACE REQUIREMENTS BETWEEN DEVICES.



SEQUENCE OF OPERATION		Panel Annunciator Alarm Indication	Panel Annunciator Supervision Indication	Panel Annunciator Trouble Indication	Audible Alarms Sequence	Visual Alarms Sequence	Electric Sprinkler Bell Sequence	Smoke Damper Control Sequence	AHU Shutdown Sequence	Elevator Recall Sequence	Elevator Shutdown Sequence
FIRE ALARM PANEL, TRANSPONDER, NAC PANEL LOW BATTERY		X									
FIRE ALARM PANEL, TRANSPONDER, NAC PANEL BATTERY OR CHARGER FAILURE			X								
FIRE ALARM PANEL, TRANSPONDER, NAC PANEL ABNORMAL SWITCH OR CONTROL POSITION		X									
FIRE ALARM PANEL, TRANSPONDER, NAC PANEL GROUND FAULT, OPEN CIRCUIT, SHORT CIRCUIT				X							
FIRE ALARM PANEL, TRANSPONDER, NAC PANEL AC POWER LOSS OR IRREGULARITY				X							
NOTIFICATION APPLIANCE CIRCUIT OR SLC LOOP GROUND FAULT, OPEN CIRCUIT, SHORT CIRCUIT				X							
INITIATING DEVICE FAILURE OR COMMUNICATION ERROR			X								
FIRE ALARM PANEL MANUAL FIRE DRILL			X	X	X						
MANUAL PULL STATION		F	X	X	X						
SMOKE DETECTOR		SD	X	X	X						
HEAT DETECTOR		H	X	X	X						
SPRINKLER SYSTEM FLOW SWITCH		FS	X	X	X	X					
SPRINKLER SYSTEM MONITOR SWITCH		MS		X							
SPRINKLER SYSTEM CABINET MONITOR		MS		X							
SMOKE DETECTOR FOR HVAC CONTROL		SD	X					X	X		
SMOKE DETECTOR FOR SMOKE DAMPER CONTROL		ARD	X					X			
SMOKE DETECTORS IN ELEVATOR LOBBIES		SD <sub>E</sub>	X		X	X				X	
SMOKE DETECTORS IN ELEVATOR MACHINE ROOM & HOISTWAY		SD <sub>E</sub>	X		X	X				X	
HEAT DETECTOR NEAR ELEVATOR SPRINKLERS		H <sub>E</sub>	X		X	X					X
ELEVATOR SHUNT TRIP CIRCUIT POWER FAILURE		MM		X							
SMOKE DETECTOR AT DOOR HOLD		SD <sub>DH</sub>	X		X	X					

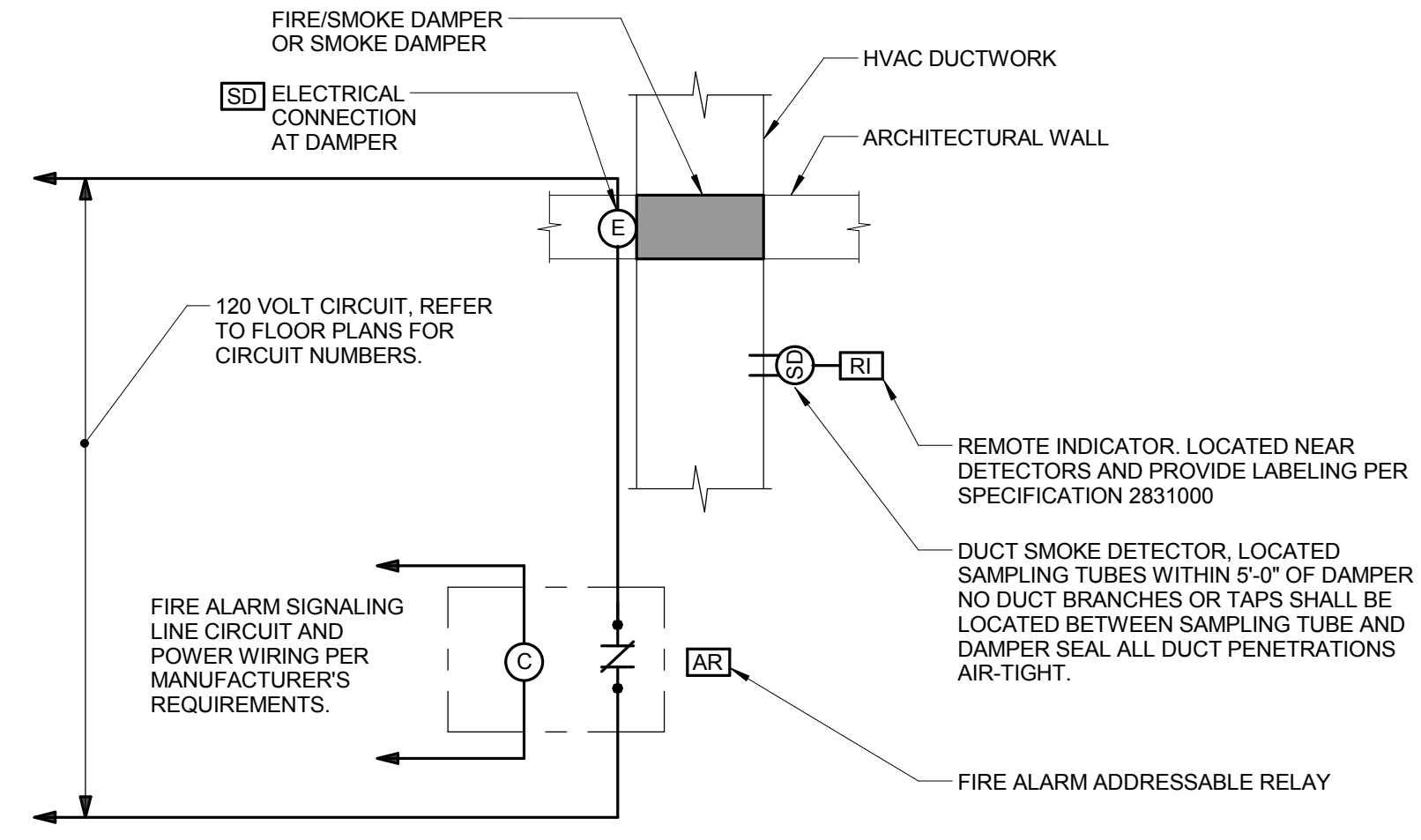
**1 FIRE ALARM OPERATION MATRIX**

NO SCALE  
 NOTES:  
 1. ALL SYSTEM EVENTS SHALL BE LOGGED, PRINTED, AND DISPLAYED ON THE GRAPHICAL INTERFACE, IN THE EXISTING MAIN FIRE ALARM PANEL LOCATED IN THE CAMPUS COMMAND CENTER IN BUILDING G. SEE SPECIFICATIONS FOR MORE INFORMATION AND DESCRIPTIONS OF SEQUENCES OF OPERATION.  
 KEYNOTES:  
 1. UTILIZE A GENERAL PURPOSE RELAY TO MONITOR POWER LOSS. CONNECT THE CONTACTS OF THE RELAY TO A FIRE ALARM MONITOR MODULE.



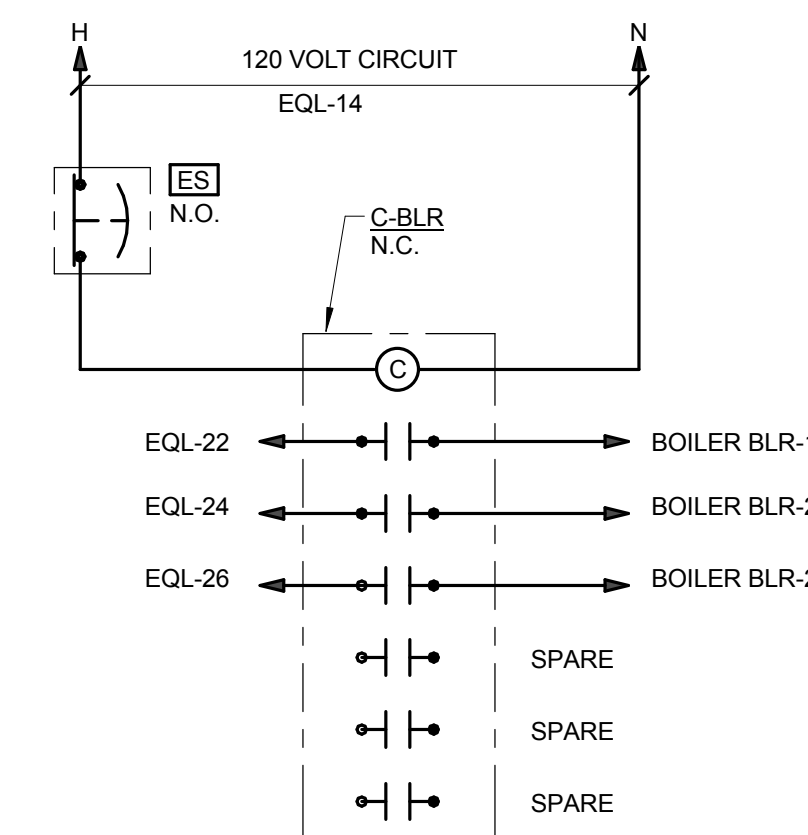
**2 FIRE ALARM RISER**  
NO SCALE

- GENERAL NOTES:
- THE RISER DIAGRAM IS INTENDED TO CONVEY THE TYPES OF FIRE ALARM CONNECTIONS AND SPECIFICALLY DOES NOT INDICATE QUANTITIES, NUMBER OF CIRCUITS REQUIRED OR DISTANCES.
  - THE COMPLETE FIRE ALARM SYSTEM SHALL MEET ALL APPLICABLE CODES AND MANUFACTURER'S RECOMMENDATIONS.
  - CONTRACTOR SHALL COORDINATE ALL WIRE SIZES, TYPES AND REQUIREMENTS WITH THE VENDOR PRIOR TO BID. REFER TO SPECIFICATIONS TO DETERMINE CIRCUIT STYLES AND IF CONDUIT IS REQUIRED OR PLENUM RATED CABLE IS ACCEPTABLE.
  - ALL +120VAC WIRING REQUIRED FOR OPERATION OF THE SYSTEM AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
  - ALL NECESSARY RELAYS MAY NOT BE SHOWN ON THIS PLAN, BUT WHERE REQUIRED FOR PROPER OPERATION OF THE SYSTEM THEY SHALL BE PROVIDED BY THE CONTRACTOR.
- KEYNOTES:
- PROVIDE NOTIFICATION APPLIANCE EXTENDER PANELS AS REQUIRED. DETERMINATION OF NEED TO BE MADE BY FIRE ALARM VENDOR. REFER TO SPECIFICATIONS FOR REQUIREMENTS AND ACCEPTABLE MOUNTING LOCATIONS.
  - REFER TO SPECIFICATION FOR REQUIREMENTS OF EACH INITIATION LOOP AND WIRING STYLE. REFER TO FLOOR PLANS FOR DEVICES AND THEIR LOCATIONS.
  - REFER TO SPECIFICATION FOR REQUIREMENTS OF EACH NOTIFICATION APPLIANCE CIRCUIT AND WIRING STYLE. REFER TO FLOOR PLANS FOR DEVICES AND THEIR LOCATIONS.
  - CONNECT WITH 6-STRANDS FIBER OPTIC WIRING. REFER TO TECHNOLOGY DRAWINGS FOR FIBER OPTIC ROUTING. COORDINATE ADDITIONAL REQUIREMENTS WITH HONEYWELL.
  - INTERFACE NEW FIRE ALARM PANEL WITH EXISTING CAMPUS FIRE ALARM SYSTEM LOCATED IN BUILDING G. UPDATE EXISTING CAMPUS FIRE ALARM NETWORK MASTER WORKSTATION AND GRAPHIC ANNUNCIATOR. REFER TO ED.01 FOR APPROXIMATE LOCATION OF EXISTING PANEL. COORDINATE ADDITIONAL REQUIREMENTS WITH HONEYWELL.
  - REFER TO SPECIFICATION FOR REQUIREMENTS OF EACH SPEAKER CIRCUIT AND WIRING STYLE.



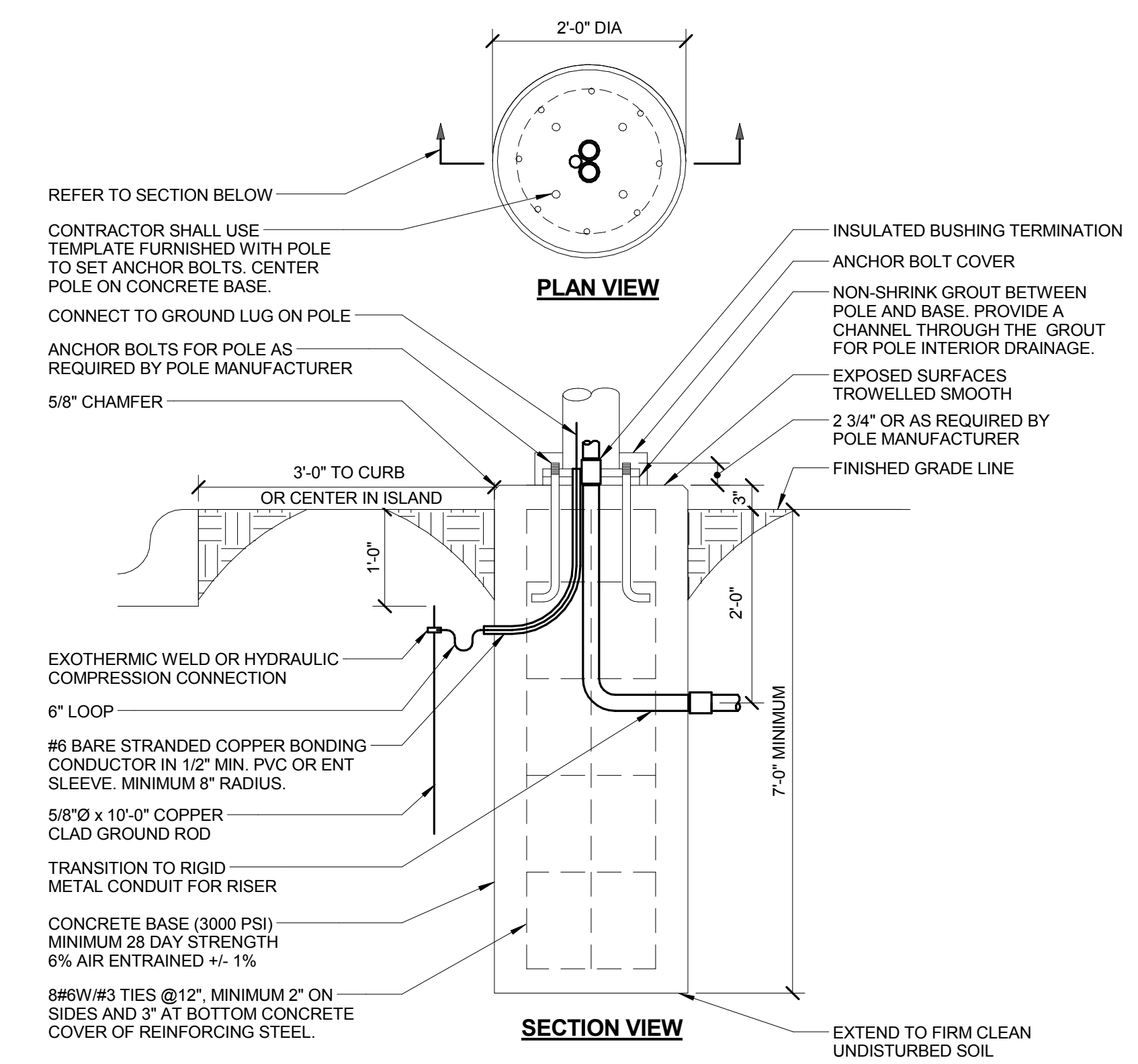
**3 SMOKE DAMPER CONTROLLER**

NO SCALE  
 NOTES:  
 1. ALL DEVICES SHOWN IN THIS DETAIL ARE TO BE PROVIDED WHERE [ARD] APPEARS ON THE DRAWINGS.



**4 BOILER SHUTDOWN CONTROL DIAGRAM**

NO SCALE



**5 POLE BASE DETAIL**

NO SCALE

**KJW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.627.2320 FAX: 630.627.2321  
 WWW.KJW.COM  
 PROJECT # 14-044-00  
 DESIGN FIRM REGISTRATION #18-08073

KJW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SUCH DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJW ENGINEERING. © 2015 KJW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 7/17/15  
**BID PACKAGE 2**  
**ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ELECTRICAL**  
**DETAILS**

SHEET NUMBER:

**E4.01**

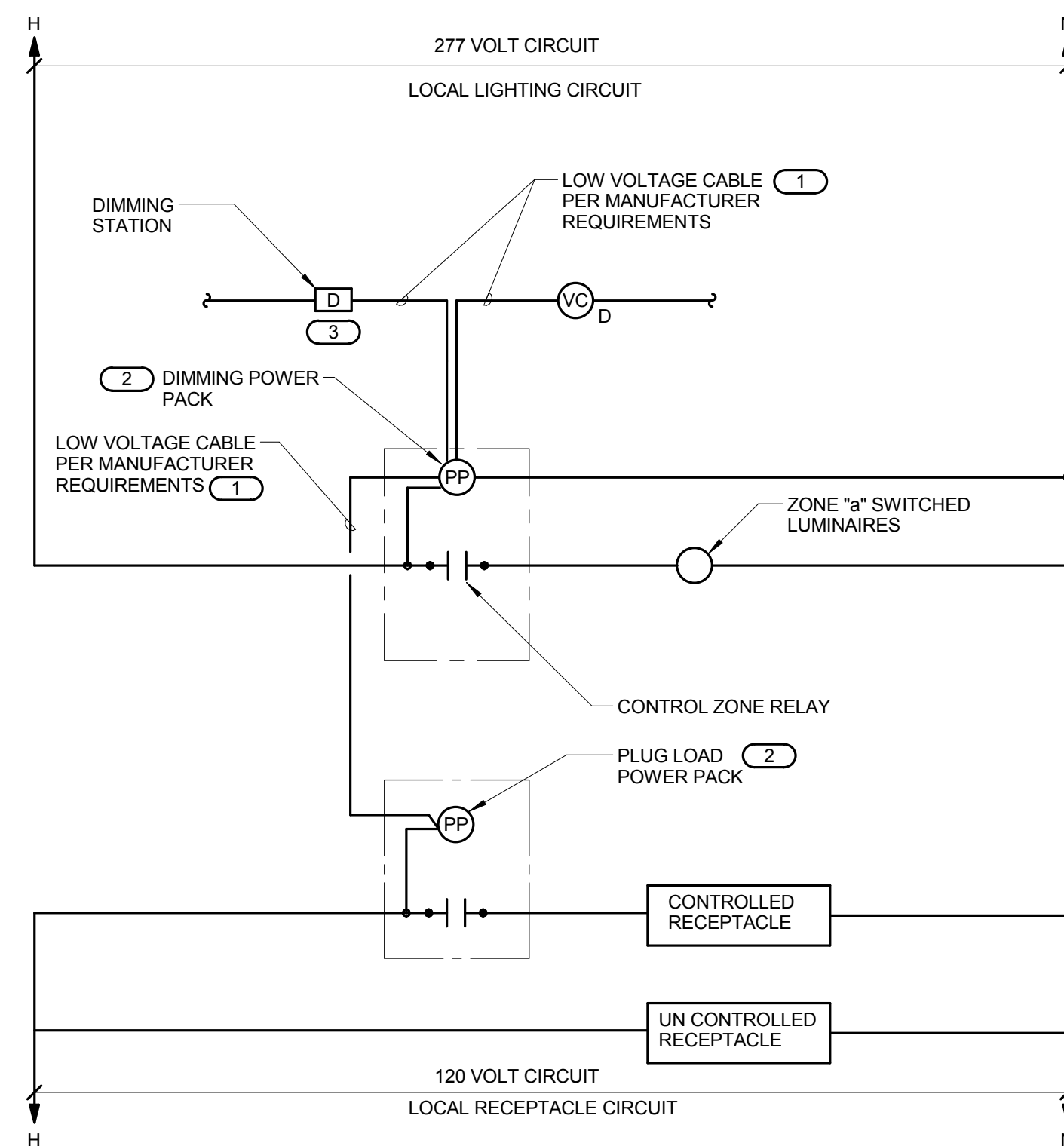


ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD, SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

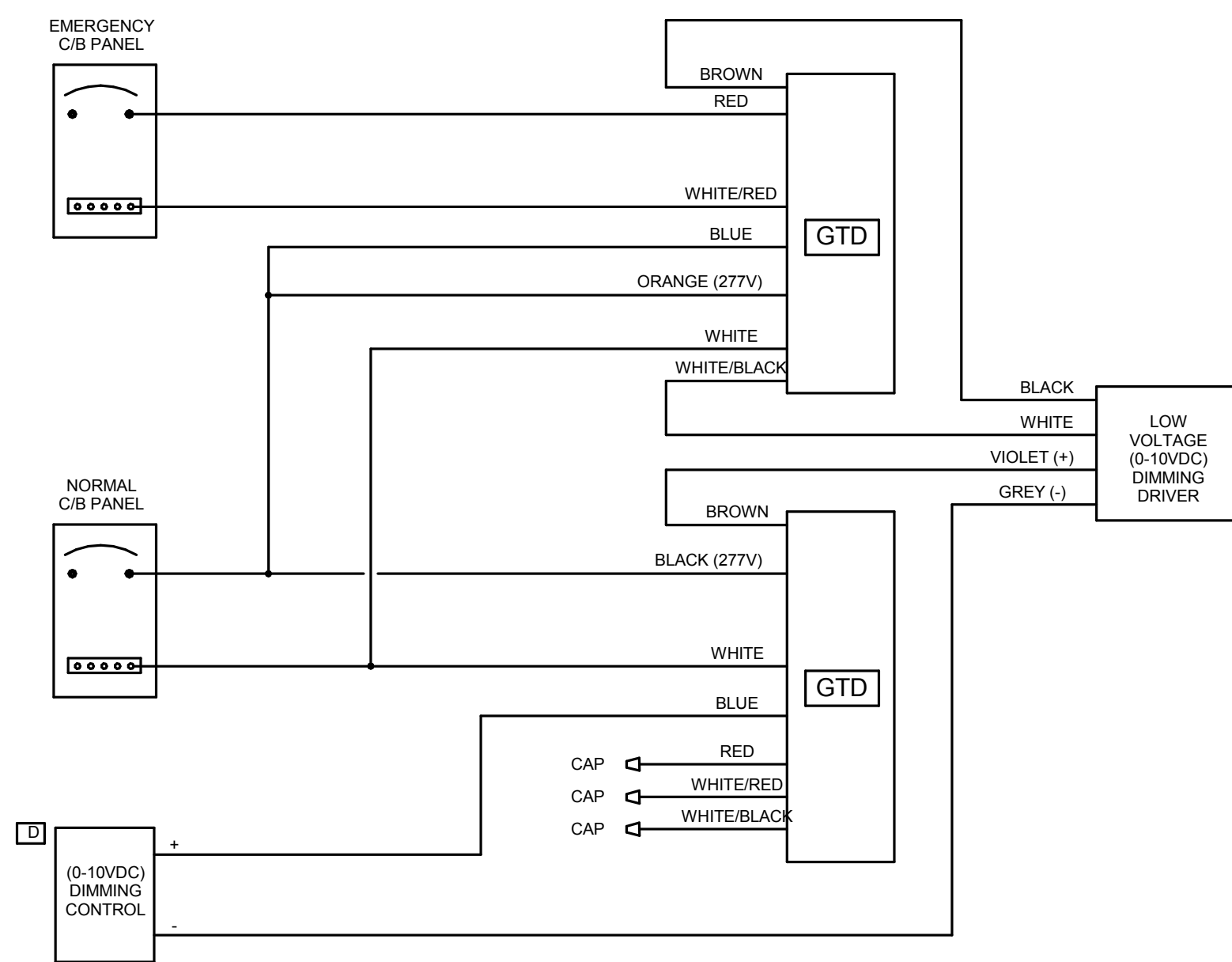
CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



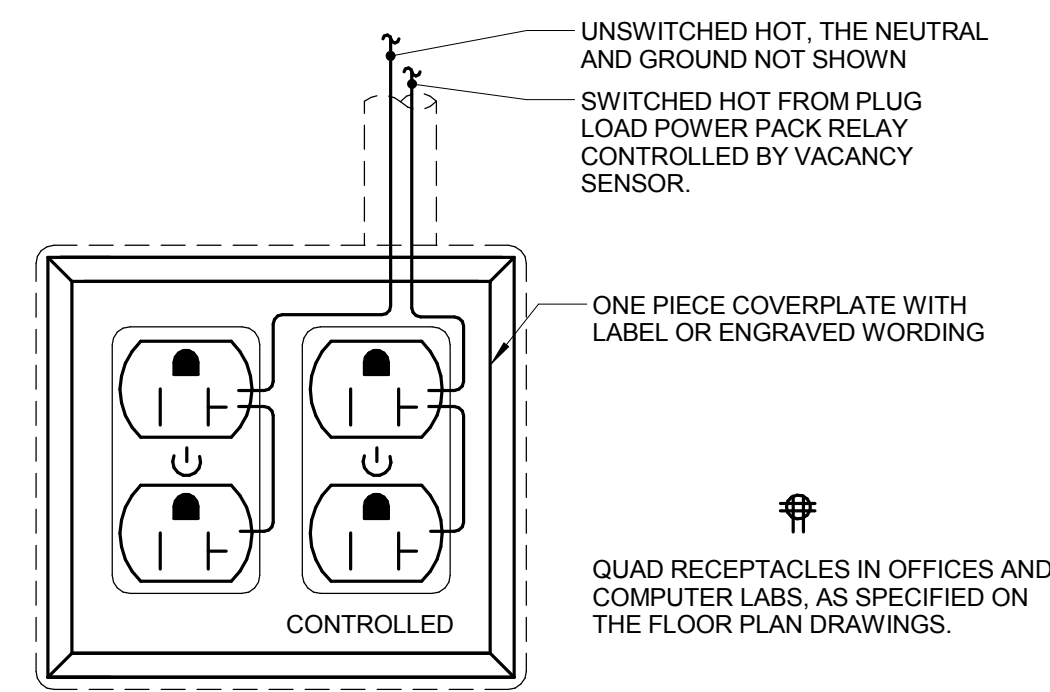
**1 OFFICE LIGHTING CONTROLLER WIRING DIAGRAM**

- NO SCALE  
 KEYNOTES:  
 1. LOW VOLTAGE DEVICES SHALL HAVE THE ABILITY TO BE DAISY-CHAINED USING LOW VOLTAGE CABLE TO CONNECT MULTIPLE DEVICES.  
 2. LOCATE ROOM CONTROLLER POWER PACK ABOVE ACCESSIBLE CEILING ABOVE DOOR ENTRY.  
 3. CONTROLLER SHALL HAVE THE ABILITY TO SWITCH ON/OFF AND ADJUST DIMMING LEVEL OF ONE ZONE WITHIN THE ROOM.



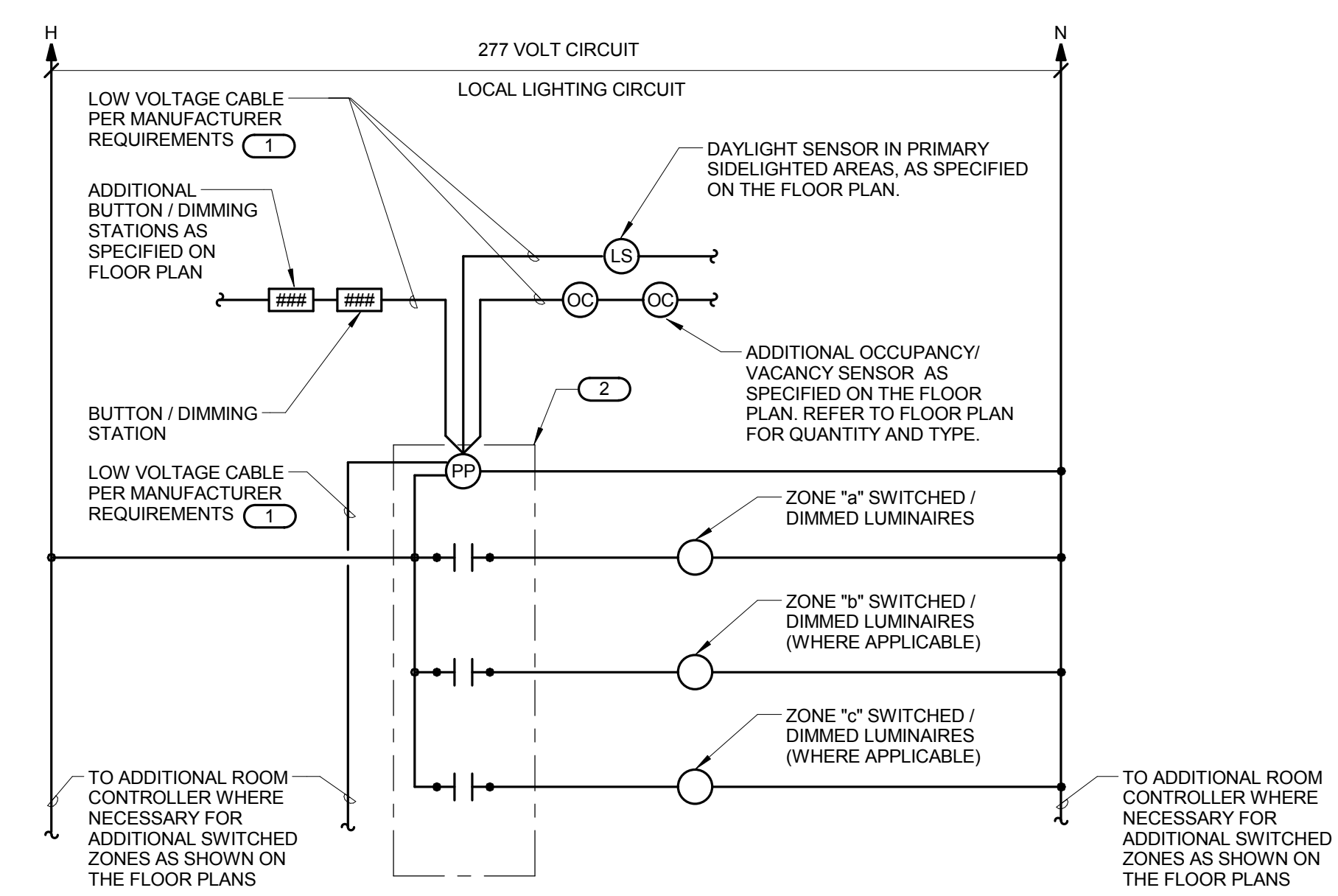
**4 GENERATOR TRANSFER DEVICE WIRING DIAGRAM**

- NO SCALE  
 NOTES:  
 1. NORMAL OPERATION - FIXTURE DRIVER SUPPLIED BY NORMAL PANEL & CONTROLLED BY WALL SWITCH.  
 2. EMERGENCY OPERATION DURING POWER OUTAGE - FIXTURE DRIVER SUPPLIED BY GENERATOR THROUGH EMERGENCY PANEL AND INDEPENDENT OF WALL SWITCH POSITION.



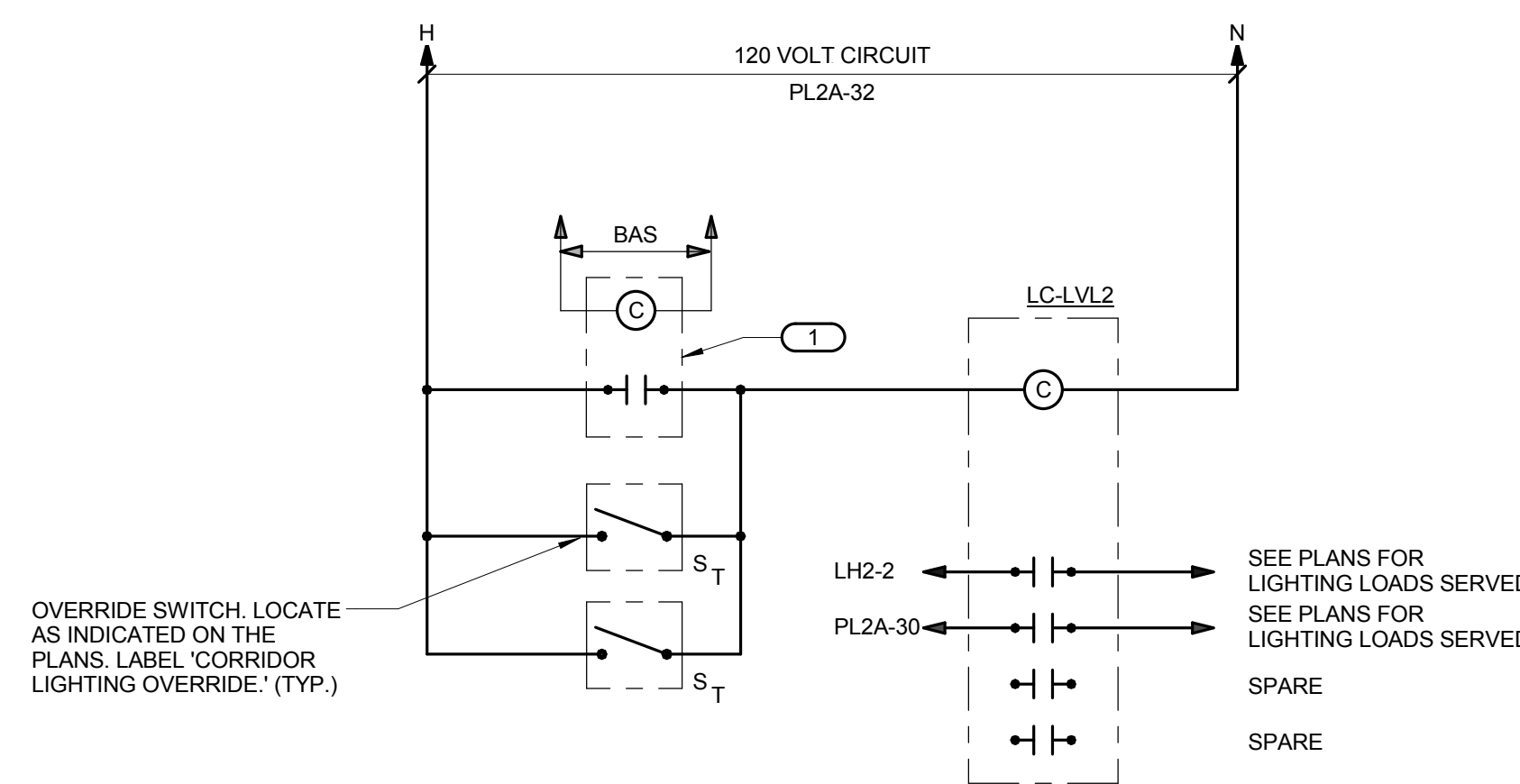
**2 CONTROLLED RECEPTACLE WIRING**

- NO SCALE  
 NOTES:  
 1. CONTROLLED RECEPTACLE SHALL BE LABELED AS SUCH. LABEL CAN BE BY MANUFACTURER OR CONTRACTOR.



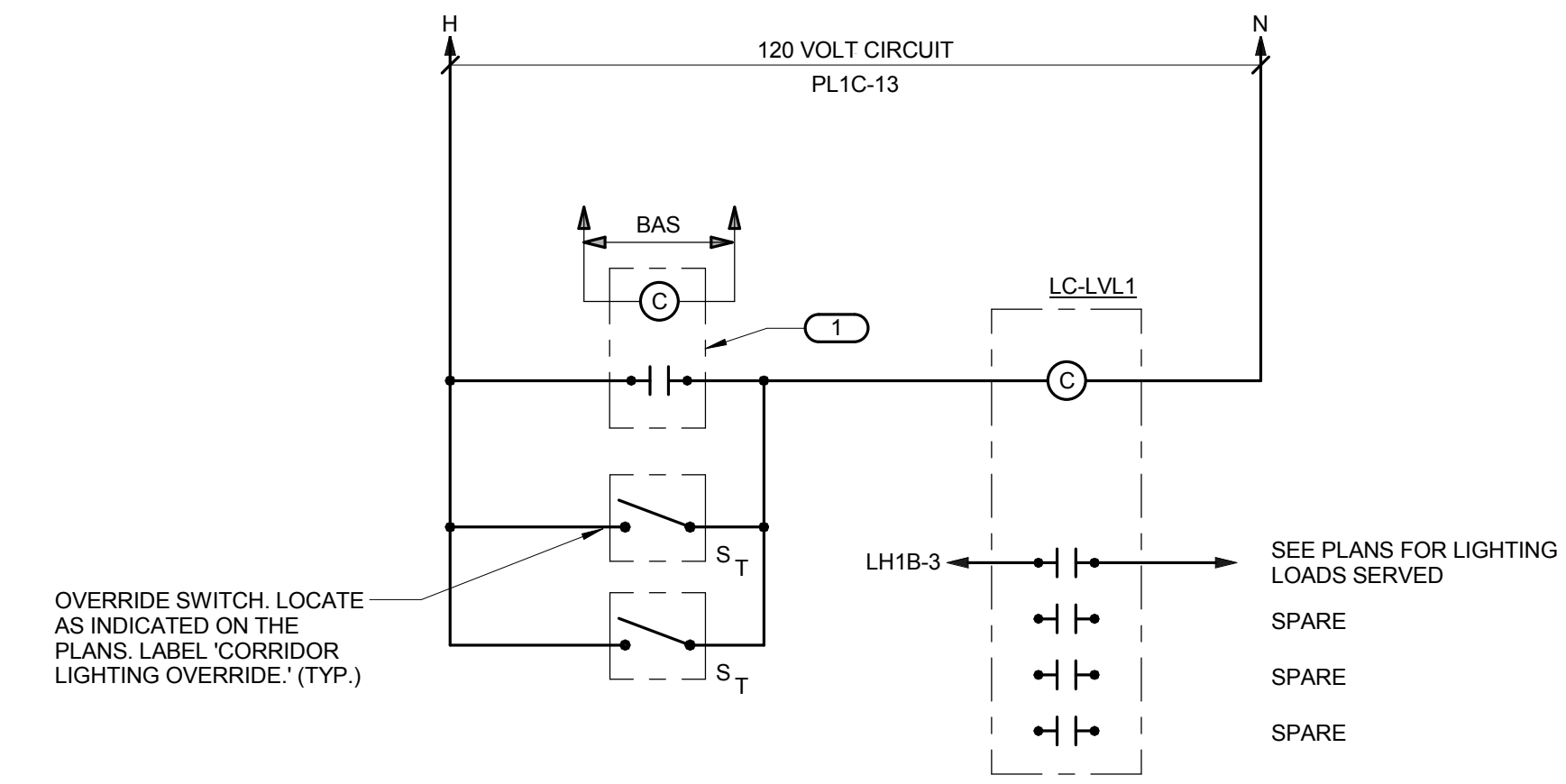
**3 GENERAL OCCUPANCY / VACANCY SENSOR WIRING DIAGRAM**

- NO SCALE  
 KEYNOTES:  
 1. LOW VOLTAGE DEVICES SHALL HAVE THE ABILITY TO BE DAISY-CHAINED USING LOW VOLTAGE CABLE TO CONNECT MULTIPLE DEVICES.  
 2. LOCATE POWER PACK ABOVE ACCESSIBLE CEILING. PROVIDE APPROPRIATE TYPE DEPENDING ON LOAD SERVED (ON-OFF OR DIMMING). PROVIDE QUANTITY AS REQUIRED PER QUANTITY OF ZONES IN THE FLOOR PLAN.



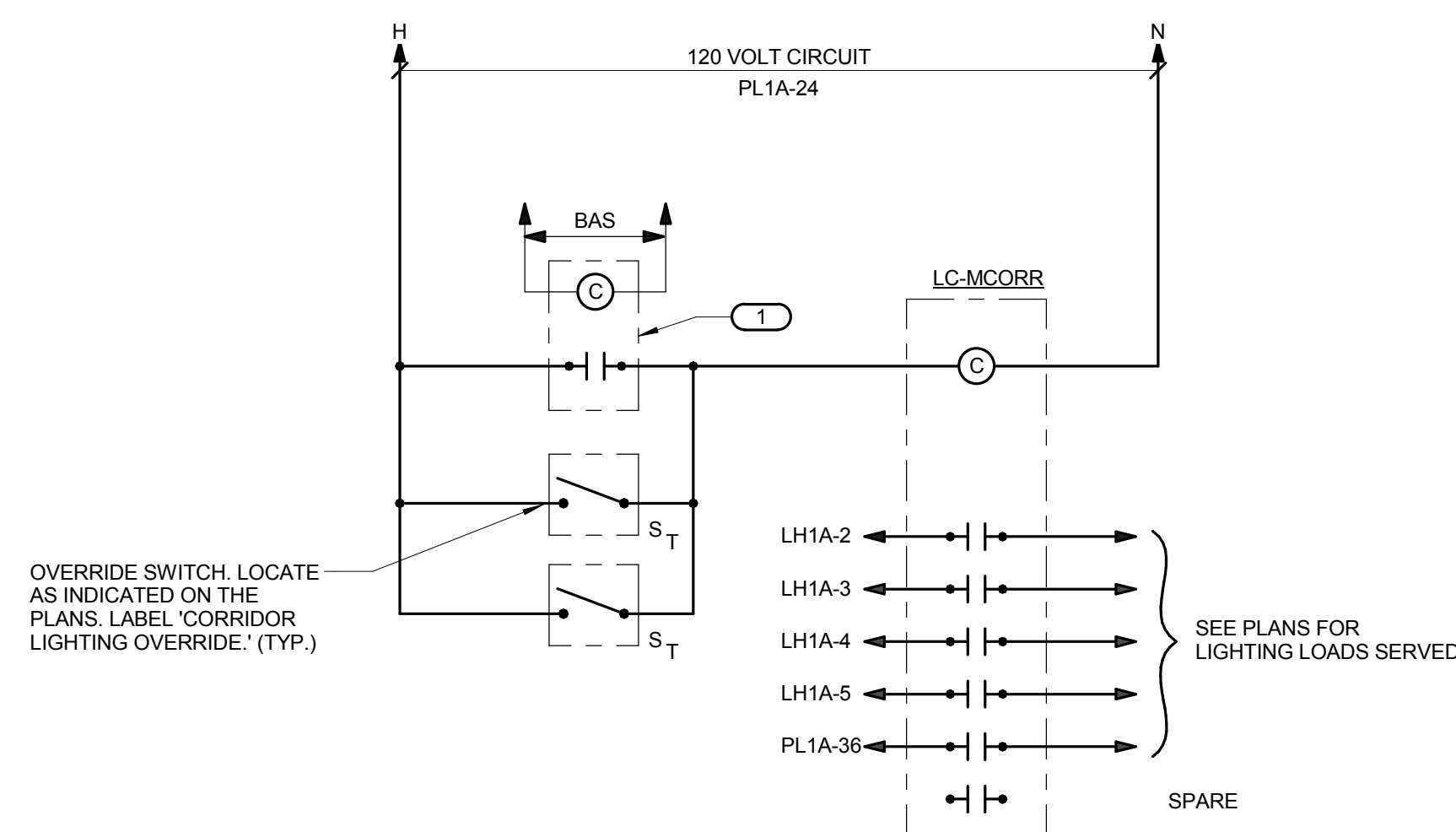
**5 SECOND FLOOR CORRIDOR LIGHTING CONTROL DIAGRAM**

- NO SCALE  
 KEYNOTES:  
 1. RELAY CONTROLLED BY BUILDING AUTOMATION SYSTEM. PROVIDE RELAY COMPATIBLE TO THE BUILDING AUTOMATION SYSTEM. COORDINATE WITH M.C. FOR ADDITIONAL INFORMATION.



**6 FIRST FLOOR CORRIDOR LIGHTING CONTROL DIAGRAM**

- NO SCALE  
 KEYNOTES:  
 1. RELAY CONTROLLED BY BUILDING AUTOMATION SYSTEM. PROVIDE RELAY COMPATIBLE TO THE BUILDING AUTOMATION SYSTEM. COORDINATE WITH M.C. FOR ADDITIONAL INFORMATION.



**7 MAIN CORRIDOR LIGHTING CONTROL DIAGRAM**

- NO SCALE  
 KEYNOTES:  
 1. RELAY CONTROLLED BY BUILDING AUTOMATION SYSTEM. PROVIDE RELAY COMPATIBLE TO THE BUILDING AUTOMATION SYSTEM. COORDINATE WITH M.C. FOR ADDITIONAL INFORMATION.

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 THE FUTURE IS SMARTER!  
 PROJECT # 14044.00  
 Illinois Design Firm Registration #18-00073  
 KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.  
 REFERENCE SCALE IN INCHES  
 0 1 2 3

KEY PLAN:

SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ELECTRICAL  
 DETAILS**

SHEET NUMBER:  
**E4.02**



ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

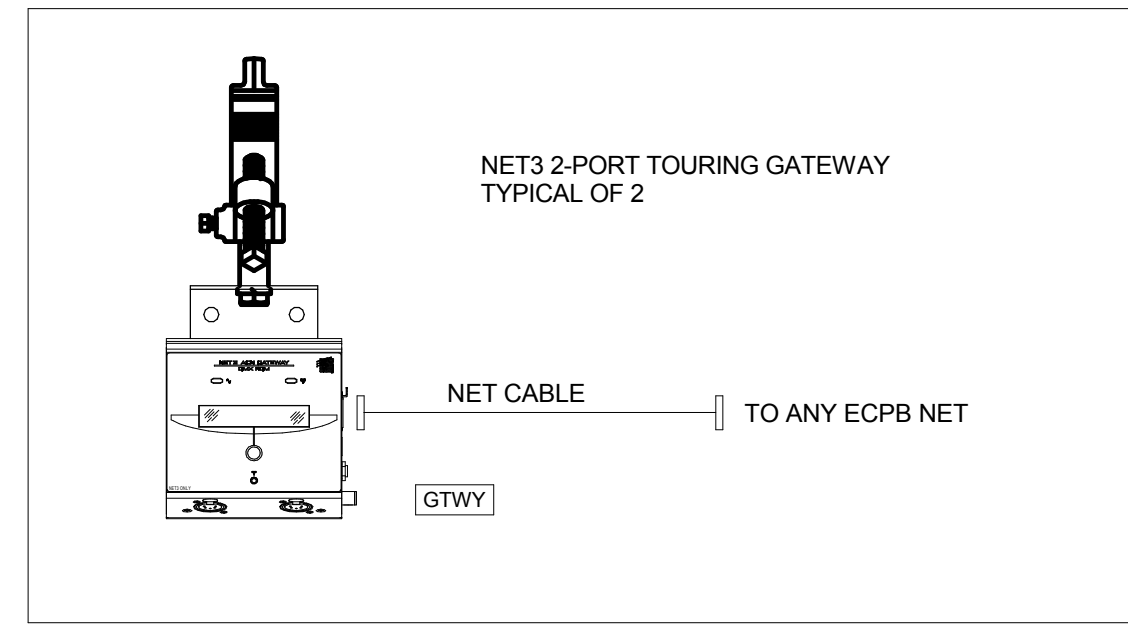
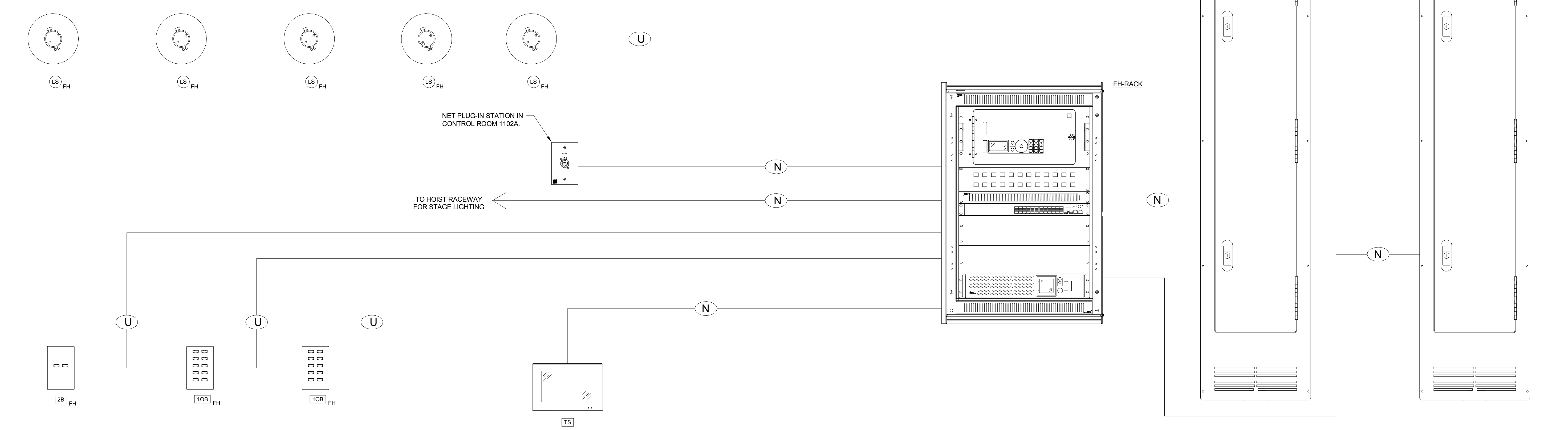
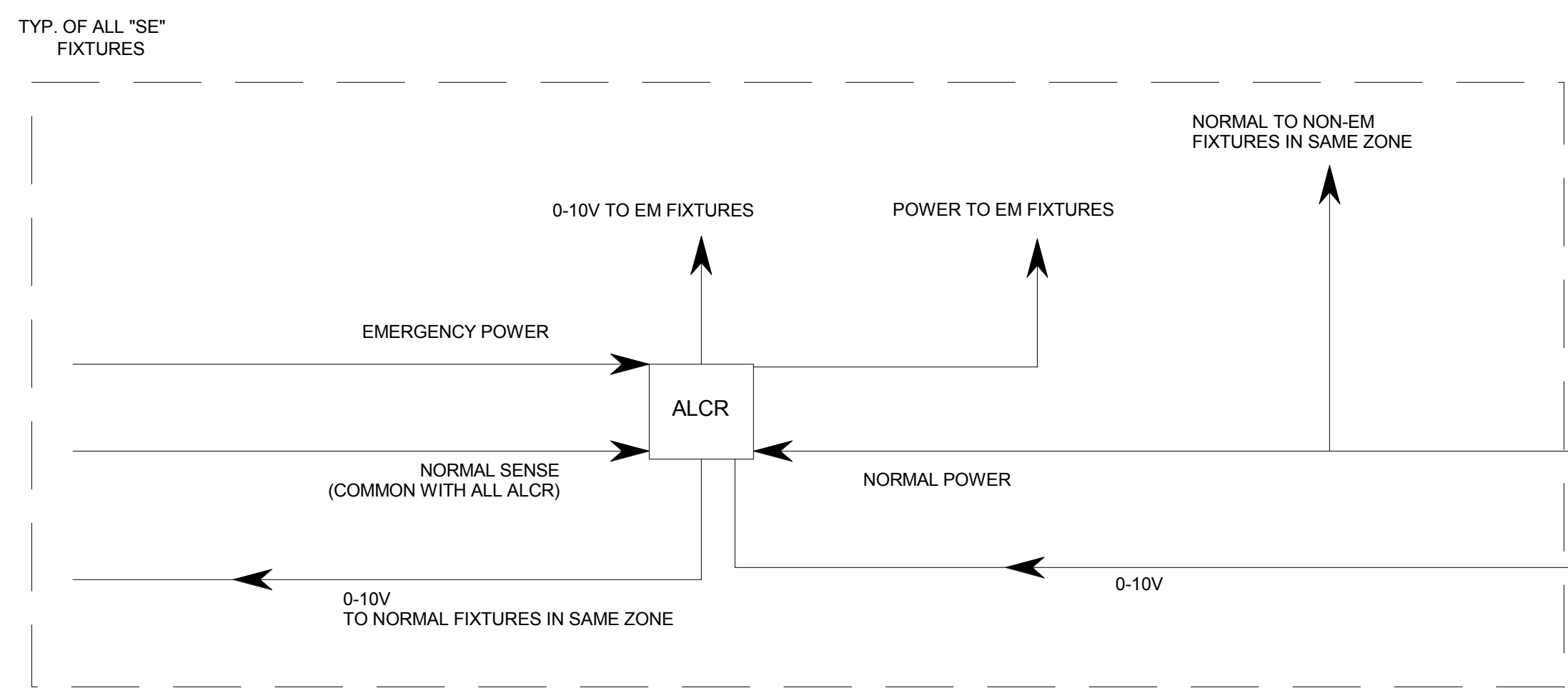
NO.	DESCRIPTION:	DATE:

SHEET TITLE:

**ELECTRICAL  
 DETAILS**

SHEET NUMBER:

**E4.03**



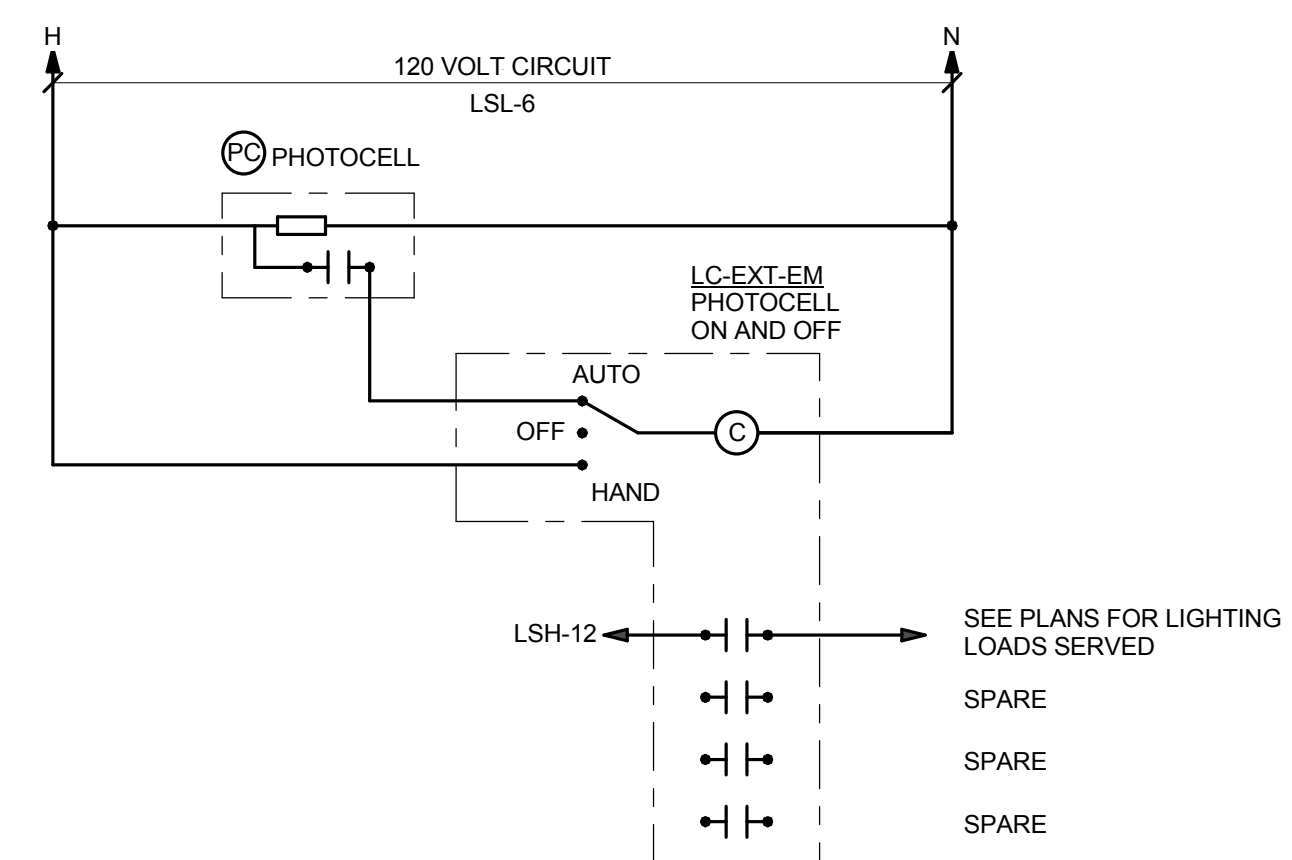
**NOTES:**

- 1.) WIRING IS TOPOLOGY FREE AND CAN BE DAISY-CHAIN, T-TAP, OR LOOP.
- 2.) TOTAL COMBINED LENGTH OF WIRING RUNS CANNOT EXCEED 1640 FEET.
- 3.) EACH CIRCUIT FROM DIMMER RACK MUST HAVE SEPERATE NEUTRAL. NO COMMON NEUTRALS ALLOWED.

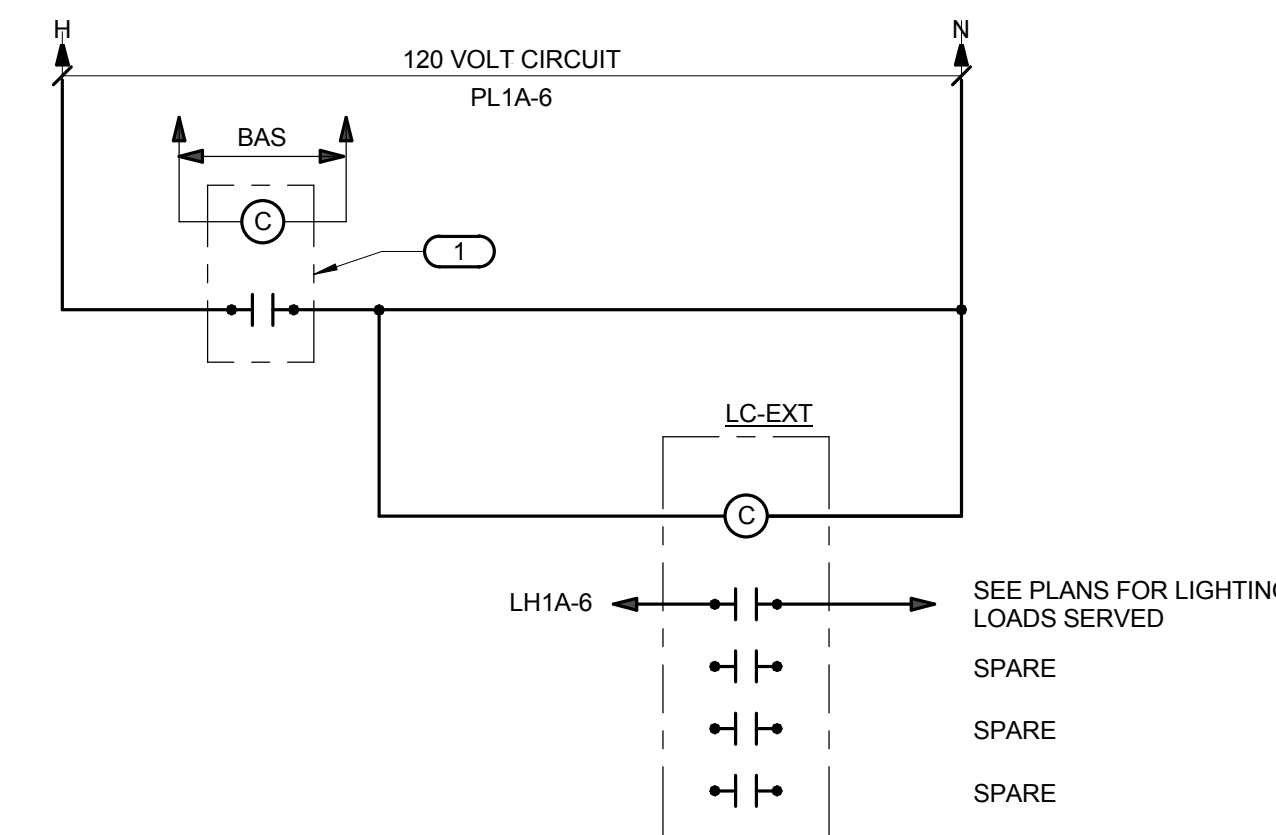
CONTROL WIRING LEGEND		
SYMBOL	WIRE TYPE(S)	SIGNAL
N*	(1) BELDEN #1583A (CAT5e)	ETCNET
U*	(1) BELDEN #8471 (1) #14 AWG. STRANDED WIRE	UNISON

\* = WIRE IDENTIFICATION NUMBER (NOT QUANTITY)

**1 FIELD HOUSE LIGHTING CONTROL DIAGRAM**  
 NO SCALE



**2 EXTERIOR LIFE SAFETY LIGHTING CONTROL DIAGRAM**  
 NO SCALE



**3 EXTERIOR LIGHTING CONTROL DIAGRAM**  
 NO SCALE

KEYNOTES:  
 1 RELAY CONTROLLED BY BUILDING AUTOMATION SYSTEM. PROVIDE RELAY COMPATIBLE TO THE BUILDING AUTOMATION SYSTEM. COORDINATE WITH M.C. FOR ADDITIONAL INFORMATION.

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**PROJECT # 14044.00**

Block Design Firm Registration #18-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES





ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 7/17/15

**BID PACKAGE 2**  
**ISSUED FOR BID**

NO.	DESCRIPTION	DATE

SHEET TITLE:

**ELECTRICAL**  
**SCHEDULES**

SHEET NUMBER:

**E5.00**

LUMINAIRE SCHEDULE		
<b>(MTG.) MOUNTING:</b> RE - RECESSED SP - SUSPENDED CL - CEILING SURFACE WL - WALL UC - UNDER CABINET CV - COVE PL - POLE FR - FLANGED RECESSED O - OTHER (SEE DESCRIPTION)	<b>(TYPE) LAMP TECHNOLOGY:</b> FL - FLUORESCENT CF - COMPACT FLUORESCENT HL - HALOGEN IN - INCANDESCENT LED - LIGHT EMITTING DIODE HS - HIGH PRESSURE SODIUM MH - METAL HALIDE SMH - SUPER METAL HALIDE PSMH - PULSE START METAL HALIDE CMH - CERAMIC METAL HALIDE O - OTHER (SEE DESCRIPTION)	<b>(L/L) LENS / LOUVER:</b> A - 125 ACRYLIC B - BLACK BAFFLE C - CLEAR ALZAK D - PARABOLIC F - FRESNEL G - TEMPERED GLASS H - WALL WASHER P - POLYCARBONATE K - KSH12, 125" ACRYLIC K19 - KSH19, 156" ACRYLIC L - LOW IRIDESCENT SPECULAR ALUM. N - NONE R - HIGH IMPACT OR ACRYLIC O - OTHER (SEE DESCRIPTION)
<b>DOOR:</b> FA - FLAT ALUMINUM FS - FLAT STEEL RA - REGRESSED ALUMINUM RS - REGRESSED STEEL	<b>(TYPE) BALLAST:</b> DIM07 - LINE DIMMING BALLAST DIM10 - 0-10V DIMMING BALLAST HL - HIGH / LOW LEVEL BALLAST XL - EXTENDED LIFE XLP - EXTENDED LIFE & OUTPUT	<b>(TYPE) BALLAST:</b> ED - ELECTRONIC DRIVER EM - EMERGENCY BATTERY / BALLAST DALI - DIGITAL DIMMING BALLAST MV - MULTI-VOLTAGE ELECTRONIC 120V-277V PRS - ELECTRONIC PROGRAM RAPID START BALLAST
<b>FINISH:</b> PAF - PAINT AFTER FABRICATION CSA - FINISH SELECTION BY ARCHITECT		

CATALOG NUMBER SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. THE COMPLETE DESCRIPTION AND THE SPECIFICATION SHALL BE COORDINATED WITH THE CATALOG NUMBER TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE FIRST MANUFACTURER LISTED IS THE BASIS FOR DESIGN.

REFER TO LIGHTING SPECIFICATION FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

ALL LAMPS FOR THIS PROJECT SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED. CORRELATED COLOR TEMPERATURE 3500', COLOR RENDERING INDEX (CRI) AT OR ABOVE 85, UNLESS NOTED OTHERWISE.

WT	DESCRIPTION	DIMENSIONS				MTG	LAMPS			BALLAST			L/L	APPROVED MANUFACTURER
		L	W	H	DIA.		TYPE	QTY	MODEL	VOLTS	TYPE	TYPE		
F1	RECESSED TROFFER, ANGLED DIFFUSERS.	2'-0"	2'-0"	0'-3"		RE	LED	1	MIN 3400 L MAX 35 W	277 V	DIM	O	METALUX 22EN FINELITE HPR LITHONIA FSL	
F2	RECESSED TROFFER, ANGLED DIFFUSERS.	2'-0"	2'-0"	0'-3 1/4"		RE	LED	1	MIN 4300 L MAX 48 W	277 V	DIM	O	METALUX 22EN FINELITE HPR LITHONIA FSL	
F3A	4" NARROW PENDANT LED DIRECT LINEAR, EXTRUDED ALUMINUM HOUSING, REFLECTIVE MATTE POWDER COATED WHITE PAINT FINISH, DIE CAST ALUMINUM END CAPS, HIGH EFFICIENCY LAMBERTIAN OPTIC, COLOR SELECTION BY ARCHITECT, ADJUSTABLE CABLE SUPPORTS.		0'-4"	0'-4 1/2"		SP	LED	1	MIN 4000 L MAX 40 W	277 V	DIM	O	LUMENWERX VIA 4 LED VIA4 LEDALITE PEERLESS LITECONTROL PAL MICROLINEA	
F3B	2" NARROW PENDANT LED DIRECT LINEAR, EXTRUDED ALUMINUM HOUSING, REFLECTIVE MATTE POWDER COATED WHITE PAINT FINISH, DIE CAST ALUMINUM END CAPS, HIGH EFFICIENCY LAMBERTIAN OPTIC, COLOR SELECTION BY ARCHITECT, ADJUSTABLE CABLE SUPPORTS.		0'-4"	0'-4 1/2"		SP	LED	1	MIN 2000 L MAX 20 W	277 V	DIM	O	LUMENWERX VIA 4 LED VIA4 LEDALITE PEERLESS LITECONTROL PAL MICROLINEA	
F4A	4" NARROW RECESSED LED DIRECT LINEAR, EXTRUDED ALUMINUM HOUSING, REFLECTIVE MATTE POWDER COATED WHITE PAINT FINISH, DIE CAST ALUMINUM END CAPS, HIGH EFFICIENCY LAMBERTIAN OPTIC, COLOR SELECTION BY ARCHITECT, MOUNT ON SAT CEILING.		0'-4"	0'-4 1/2"		RE	LED	1	MIN 4000 L MAX 40 W	277 V	DIM	O	LUMENWERX VIA 4 LED VIA4 LEDALITE PEERLESS LITECONTROL PAL MICROLINEA	
F4B	SIMILAR WITH F4A EXCEPT SURFACE MOUNTED.		0'-4"	0'-4 1/2"		CL	LED	1	MIN 4000 L MAX 40 W	277 V	DIM	O	LUMENWERX VIA 4 LED VIA4 LEDALITE PEERLESS LITECONTROL PAL MICROLINEA	
F5	ROUND PAR30 DOWNLIGHT PROVIDE WITH PAR30 LED RETROFIT BULB, DIMMABLE, MIN 100L, MAX 20W, 3000K (LIGHTING SCIENCE, CREE, PHILIPS, SAMSUNG, SORAA, OR GE)		0'-11 3/16"	0'-6"		RE	LED	1	SEE DESC.	277 V	ED	N	INDY I036 GOTHAM APR PORTFOLIO	
F5A	SIMILAR TO F5 BUT MOUNTED ON WOOD PANEL, PROVIDE APPROPRIATE MOUNTING HARDWARE.		0'-11 3/16"	0'-6"		RE	LED	1	SEE DESC.	277 V	ED	N	INDY I036 GOTHAM APR PORTFOLIO	
F6	HIGH BAY LED LUMINAIRE, DIE CAST ALUMINUM HOUSING, 8 MODULE, 120 DEGREE OPTICS, UL LISTED.	2'-9"	1'-10"	0'-6"		SP	LED	1	MIN 52000 L MAX 490 W	277 V	DIM	O	GE LIGHTING ALBEO LED CREE HBY-EHD	
F7	WALL PACK LUMINAIRE, ONE PIECE DIE-CAST ALUMINUM CONSTRUCTION, STAINLESS STEEL MOUNTING, ZINC PLATED QUICK MOUNT JUNCTION BOX, CUSTOM COLOR-COORDINATE WITH ARCHITECT.	1'-4"	0'-7 3/4"	0'-8 1/8"		WL	LED	1	MIN 2100 L MAX 27 W	277 V	ED	O	INVUE ENT-BW#LED LITHONIA LUMARK	
F8	STAGE LIGHTING, LED, SEVEN COLOR SYSTEM INCLUDING HIGH-OUTPUT LINE TO ACHIEVE TRU, USABLE BROAD-SPECTRUM COLOR, DMX CONTROL, MOUNTED ON HOIST/TRACK SYSTEM IN THE FIELD HOUSE.	2'-1"	1'-1 1/2"	0'-7"		O	LED	1	3600 L 100 W	120 V	LED	O	ETC SOURCE FOUR LED SERIES 2	
F9	6" NON-CONDUCTIVE, SHOWER DOWNLIGHT		0'-7 1/2"	0'-6"		RE	LED	1	MIN 1400 L MAX 31 W	277 V	ED	O	GOTHAM EVO PORTFOLIO KIRLIN	
F10	SURFACE MOUNT STRIP, WHITE PAINTED STEEL HOUSING, ACRYLIC LENS, SUSPEND WHEN NOTED ON PLANS.	4'-0"	2'-0 1/2"	0'-3"		CL/SP	LED	1	MIN 4000 L MAX 45 W	277 V	ED	O	CREE LS4 GE ALCA DAYGRITE LF LITHONIA 2L IN METALUX SLED	
F11	4" NARROW RECESSED LED DIRECT LINEAR, EXTRUDED ALUMINUM HOUSING, REFLECTIVE MATTE POWDER COATED WHITE PAINT FINISH, DIE CAST ALUMINUM END CAPS, HIGH EFFICIENCY LAMBERTIAN OPTIC, COLOR SELECTION BY ARCHITECT.		0'-4"	0'-4 1/2"		RE	LED	1	MIN 3000 L MAX 30 W	277 V	DIM	O	LUMENWERX VIA 4 LED VIA4 LEDALITE PEERLESS LITECONTROL PAL MICROLINEA	
F12	ENCLOSED INDUSTRIAL LINEAR LED WITH FIBER GLASS HOUSING, UL WET LOCATION.	4'-0"	0'-2 1/2"	0'-3"		WL	LED	1	MIN 4000L MAX 45W	120 V	ED	O	HE WILLIAMS 96-4-L40/835 METALUX LITHONIA	
F13	4" EXTRUDED ALUMINUM LINEAR FIXTURE, CONTINUOUS LENGTH, DIRECT DISTRIBUTION, SATIN ACRYLIC LENS. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND CEILING TYPES. VERIFY WITH ARCHIECH		0'-4"	0'-5"		RE	LED	1	MIN 2500 L MAX 30 W	277 V	ED	O	FOCAL POINT SEEM 4 ALIGHT D SERIES AXIS BEAM 4 PINNACLE EDGE 4 NULITE RELOGG 4	

LUMINAIRE SCHEDULE		
<b>(MTG.) MOUNTING:</b> RE - RECESSED SP - SUSPENDED CL - CEILING SURFACE WL - WALL UC - UNDER CABINET CV - COVE PL - POLE FR - FLANGED RECESSED O - OTHER (SEE DESCRIPTION)	<b>(TYPE) LAMP TECHNOLOGY:</b> FL - FLUORESCENT CF - COMPACT FLUORESCENT HL - HALOGEN IN - INCANDESCENT LED - LIGHT EMITTING DIODE HS - HIGH PRESSURE SODIUM MH - METAL HALIDE SMH - SUPER METAL HALIDE PSMH - PULSE START METAL HALIDE CMH - CERAMIC METAL HALIDE O - OTHER (SEE DESCRIPTION)	<b>(L/L) LENS / LOUVER:</b> A - 125 ACRYLIC B - BLACK BAFFLE C - CLEAR ALZAK D - PARABOLIC F - FRESNEL G - TEMPERED GLASS H - WALL WASHER P - POLYCARBONATE K - KSH12, 125" ACRYLIC K19 - KSH19, 156" ACRYLIC L - LOW IRIDESCENT SPECULAR ALUM. N - NONE R - HIGH IMPACT OR ACRYLIC O - OTHER (SEE DESCRIPTION)
<b>DOOR:</b> FA - FLAT ALUMINUM FS - FLAT STEEL RA - REGRESSED ALUMINUM RS - REGRESSED STEEL	<b>(TYPE) BALLAST:</b> DIM07 - LINE DIMMING BALLAST DIM10 - 0-10V DIMMING BALLAST HL - HIGH / LOW LEVEL BALLAST XL - EXTENDED LIFE XLP - EXTENDED LIFE & OUTPUT	<b>(TYPE) BALLAST:</b> ED - ELECTRONIC DRIVER EM - EMERGENCY BATTERY / BALLAST DALI - DIGITAL DIMMING BALLAST MV - MULTI-VOLTAGE ELECTRONIC 120V-277V PRS - ELECTRONIC PROGRAM RAPID START BALLAST
<b>FINISH:</b> PAF - PAINT AFTER FABRICATION CSA - FINISH SELECTION BY ARCHITECT		

CATALOG NUMBER SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. THE COMPLETE DESCRIPTION AND THE SPECIFICATION SHALL BE COORDINATED WITH THE CATALOG NUMBER TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE FIRST MANUFACTURER LISTED IS THE BASIS FOR DESIGN.

REFER TO LIGHTING SPECIFICATION FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

ALL LAMPS FOR THIS PROJECT SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED. CORRELATED COLOR TEMPERATURE 3500', COLOR RENDERING INDEX (CRI) AT OR ABOVE 85, UNLESS NOTED OTHERWISE.

WT	DESCRIPTION	DIMENSIONS				MTG	LAMPS			BALLAST			L/L	APPROVED MANUFACTURER
		L	W	H	DIA.		TYPE	QTY	MODEL	VOLTS	TYPE	TYPE		
F14	SQUARE LED DOWNLIGHT	0'-4 1/2"	0'-4 1/2"	0'-0"		RE	LED	1	MIN 1600 L MAX 51 W	277 V	ED	O	FOCAL POINT ID INDY	
F15	PENDANT LUMINAIRE STARTER COLLECTION RING BAFFLE, METAL BASE MOUNTING WITH CANOPY. PROVIDE WITH PAR30 LED RETROFIT BULB, DIMMABLE, MIN 100L, MAX 20W, 3000K (LIGHTING SCIENCE, CREE, PHILIPS, SAMSUNG, SORAA, OR GE)		0'-9 7/8"	0'-8"		SP	LED	1	SEE DESC.	277 V	ED	O	GOOPER LIGHTING 476-CFL/126	
F16	17" LINEAR SUITABLE FOR CONTINUOUS ROW MOUNTING, EXTRUDED ALUMINUM HOUSING.		0'-3 3/4"	0'-4"		RE	LED	1	MIN 5100 L MAX 86 W	277 V	DIM	O	FOCAL POINT TRACE OR APPROVED EQUAL	
F17	RECESSED TROFFER, ANGLED DIFFUSERS.	2'-0"	2'-0"	0'-3"		RE	LED	1	MIN 2500 L MAX 26 W	277 V	DIM	O	METALUX 22EN FINELITE HPR LITHONIA FSL	
F18	2" LED ADJUSTABLE DOWN LIGHT, HIGH OUTPUT.		0'-6 1/2"	0'-2"		RE	LED	1	MIN 900 L 17 W	120 V	LED	O	PRESCOLITE AZLED GOTHAM INCITO LIGHTOLIER CALCULITE LED	
F19	6" ARCHITECTURAL LED DOWNLIGHT, LENSED WALLWASH SELF-FLANGED SEMI-SPECULAR, DAMP LISTED, MOUNTED UNDER EXTERIOR CANOPY.		0'-10"	0'-6"		RE	LED	1	1000 L 21.5 W	277 V	LED	O	GOTHAM EVO LW35/10 PORTFOLIO	
F20	LINEAR WALL WASH, SUITABLE FOR CONTINUOUS ROW MOUNTING, COLD ROLLED STEEL HOUSING.	4'-0"	0'-8"	0'-4"		RE	LED	1	MIN 2400L MAX 36W	277 V	LED	H	FINELITE HPW ALIGHT D SERIES H.E. WILLIAMS HETW	
F20A	LINEAR WALL WASH, SUITABLE FOR CONTINUOUS ROW MOUNTING, COLD ROLLED STEEL HOUSING.	2'-0"	0'-8"	0'-4"		RE	LED	1	MIN 2400L MAX 36W	277 V	LED	H	FINELITE HPW ALIGHT D SERIES H.E. WILLIAMS HETW	
F21	DECORATIVE LED PENDANT, MATTE BLACK FINISH WITH WHITE CORD.		0'-10"	1'-0"		SP	LED	1	MIN 1600L MAX 16W 3500K	277 V	DIM	O	ILOMO COWBELLE PCPF-03M	
F22	EXTERIOR RECESSED SLOT LED, WET LISTED, COORDINATE EXACT LENGTH AND LOCATION WITH FLOOR PLAN.		0'-4"	0'-3 1/2"		RE	LED	1	500 L/FT 5.5 W/FT	277 V	DIM	O	AXIS BEAM 4 LUMENWERX LEDALITE	
F23	8" ARCHITECTURAL LED DOWNLIGHT, SELF-FLANGED SEMI-SPECULAR, LOWER REFLECTOR, DAMP LISTED, MOUNTED UNDER EXTERIOR CANOPY.		0'-9"	0'-8"		RE	LED	1	3000 L 47.1 W	277 V	LED	O	GOTHAM EVO 35/25 PORTFOLIO	
S1	PATHWAY AREA LIGHT, TYPE II MEDIUM DISTRIBUTION, RS MOUNTING, 40 LED COUNT WITH 700mA DRIVE CURRENT, 5700K COLOR TEMPERATURE, BRONZE FINISH, UL WET LISTED.	1'-11"	1'-11"	1'-10"		PL	LED	1	7000 L 100 W	277 V	LED	O	CREE EDGE SERIES ARE-EDG-2M-R3-04	
X1	A/C ONLY EDGE-LIT SINGLE FACED EXIT SIGN, INJECTION MOLDED ACRYLIC LENS AND EXTRUDED ALUMINUM HOUSING, RED LETTERING ON WHITE PANEL, VERIFY RECESSED END, BACK OR CEILING MOUNTING AND ARROWS WITH PLANS. ROUND STRAIGHT STEEL POLE, 12-0" HIGH, 3" SHAFT DIAMETER	0'-4"	1'-5"	0'-8"		CL/WL	LED	1	MAX 3 W	277 V	LED	O	SURE-LITES ELX LITHONIA LRP DUAL-LITE LE S CHLORIDE 45V NAVILITE NXE	
X3	SINGLE-FACE EMERGENCY EXIT SIGN, DIE-CAST ALUMINUM BODY, RED LETTERS, UNIVERSAL ARROWS MOUNTING, "W" SUBSCRIPT IN THE FLOOR PLAN INDICATES FIXTURE IS TO BE PROVIDED WITH WIRE GUARD.	0'-11 1/2"	0'-2"	0'-9 1/2"		CL/WL	LED	1	MAX 3.5 W	277 V	EM	O	LITHONIA LES 1 EL N SD DUAL-LITE SES EI PHILIPS CHLORIDE	

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**WILLIAMS ENGINEERING**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.WILLIAMS-ENG.COM

PROJECT #: 14044.00

© 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES



ARCHITECT OF RECORD  
**DEMIONA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 7/17/15  
**BID PACKAGE 2**  
**ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ELECTRICAL SCHEDULES**

SHEET NUMBER:  
**E5.01**

**TRANSFORMER SCHEDULE**

TYPE:		REMARKS:	
TP1 - NEMA TP1 DRY TYPE	AUT - AUTOTRANSFORMER	AL - ALUMINUM WINDINGS	
K4 - K4 RATED DRY TYPE	BB - BUCK BOOST	CU - COPPER WINDINGS	
K13 - K13 RATED DRY TYPE	LIQ - LIQUID FILLED	RS - EPOXY RESIN ENCAPSULATED	
HM - HARMONIC MITIGATING		FL - FILTERED	
PE - NEMA PREMIUM EFFICIENCY		NV - NON-VENTILATED	
		NL - 200% RATED NEUTRAL	
		EL - ELECTROSTATIC SHIELD	

ENCLOSURE: NEMA 1 UNLESS SPECIFIED OTHERWISE

TAG NAME	KVA RATING	TYPE	MAX. TEMP RISE C.	PRIMARY		SECONDARY		TAPS		REMARKS	APPROVED MANUFACTURER	
				VOLTS	PH	VOLTS	PH	% REG	#(+)			#(-)
TR-30	30 KVA	TP1	150	480 V	3	208Y/120	3	2.5	2	4	AL	SQUARE D 7400 EE30T3H CUTLER-HAMMER TYPE DT-3 GENERAL ELECTRIC TYPE QL SIEMENS 3F3Y030TP1
TR-45	45 KVA	TP1	150	480 V	3	208Y/120	3	2.5	2	4	AL	SQUARE D 7400 EE45T3H CUTLER-HAMMER TYPE DT-3 GENERAL ELECTRIC TYPE QL SIEMENS 3F3Y045TP1
TR-75	75 KVA	TP1	150	480 V	3	208Y/120	3	2.5	2	4	AL	SQUARE D 7400 EE75T3H CUTLER-HAMMER TYPE DT-3 GENERAL ELECTRIC TYPE QL SIEMENS 3F3Y075TP1
TR-225	225 KVA	TP1	150	480 V	3	208Y/120	3	2.5	2	4	AL	SQUARE D 7400 EE225T3H CUTLER-HAMMER TYPE DT-3 GENERAL ELECTRIC TYPE QL SIEMENS 3F3Y225TP1

**VARIABLE FREQUENCY DRIVE SCHEDULE**

STARTER TYPE:		REMARKS:	
PWM - PULSE WIDTH MODULATED	SA - STANDARD ACCESSORIES (INCLUDES * ITEMS)	TA - TWO CONVERTIBLE AUXILIARY CONTACTS	
12PWM - 12 PULSE PWM	*SHZ - SKIP FREQUENCY CAPABILITY	ISO - ISOLATION TRANSFORMER	
18PWM - 18 PULSE PWM	*ET - ELECTRONIC THERMAL OVERLOADS	*HA - MANUAL SPEED ADJUSTMENT	
LINE DISCONNECT:	*CT - CONTROL TRANSFORMER, FUSED, 120V	RSS - REMOTE START/STOP	
DS - DISCONNECT SWITCH	*HA - HAND-OFF-AUTO DOOR SWITCH	RDR - REMOTE DRIVE RUN	
FDS - FUSED DISCONNECT SWITCH	TO - MELTING THERMAL OVERLOADS	RFT - REMOTE FAULT TRIP	
CB - CIRCUIT BREAKER	MOL - MULTIPLE MOTOR OVERLOADS	LR - INPUT LINE REACTOR	
CONTROL:		HAR - PASSIVE HARMONIC FILTER	
PN - 3-15 PSI TRANSDUCER			
420 - 4.20mA FOLLOWER			

ITEM	LINE DISC.	DRIVE BYPASS	CONTROL	VOLTAGE		DRIVE		NEMA ENCLOSURE	REMARKS	APPROVED MANUFACTURERS
				INPUT	OUTPUT	H.P. RATING	TYPE			
VFD-15	CB	N/A	420	460 V	460 V	3	10	PWM	1	SA VARIABLE TORQUE TOSHIBA O0 SERIES ABB ACS 800 SERIES ALLEN BRADLEY POWERFLEX DANFOSS VLT6000 SERIES G.E. AF300 P11 SERIES SQUARE D M-FLEX CUTLER HAMMER ECS SVX YASKAWA E7

**CONTACTOR SCHEDULE**

SWITCH TYPE:		REMARKS:	
EH - ELECTRICALLY HELD	HOA - HAND OFF AUTO		
MH - MECHANICALLY HELD			

ITEM	SWITCH TYPE	CONTACT VOLTAGE	POLES	AMPERAGE	NEMA ENCLOSURE	COIL VOLTAGE	REMARKS	APPROVED MANUFACTURER
LC-LVL1 LC-LVL2 LC-EXT-EM	EH	300	4	30	1	120		SQUARE D 8903-LG04 GENERAL ELECTRIC CR463L CUTLER-HAMMER CN3SDG SIEMENS LEN SERIES
LC-EXT-EM	EH	300	4	30	1	120	HOA	SQUARE D 8903-LG04 GENERAL ELECTRIC CR463L CUTLER-HAMMER CN3SDG SIEMENS LEN SERIES
LC-MCORR C-BLR	EH	300	6	30	1	120		SQUARE D 8903-LG06 GENERAL ELECTRIC CR463L CUTLER-HAMMER CN3SDG SIEMENS LEN SERIES

**DISCONNECT AND STARTER SCHEDULE**

NOTE: ALL DISCONNECTS (EXCEPT MANUAL STARTERS) SHALL BE HEAVY DUTY TYPE.

ITEM	DISCONNECT TYPE & RATING		CIRCUIT VOLTAGE	POLES	STARTER		NEMA ENCLOSURE	REMARKS	APPROVED MANUFACTURERS
	TYPE	RATING			NEMA SIZE	TYPE			
DS-30	NF	30 A	600 V	3			1		SQUARE D 3110 HU361 CUTLER-HAMMER TYPE DH GENERAL ELECTRIC TYPE TH SIEMENS TYPE HNF
DS-30R	NF	30 A	600 V	3			3R		SQUARE D 3110 HU361RB CUTLER-HAMMER TYPE DH GENERAL ELECTRIC TYPE TH SIEMENS TYPE HNF
DS-60	NF	60 A	600 V	3			1		SQUARE D 3110 HU362 CUTLER-HAMMER TYPE DH GENERAL ELECTRIC TYPE TH SIEMENS TYPE HNF
DS-200	NF	200 A	480 V	3			1		SQUARE D 3110 HU364 CUTLER-HAMMER TYPE TH SIEMENS TYPE HNF
FDS-30L	FU	30 A	240 V	2			1	SIN LIGHT DUTY	SQUARE D 3130 L221N CUTLER-HAMMER GENERAL ELECTRIC SIEMENS
FDS-60	FU	60 A	600 V	3			1	REFER TO ELECTRICAL ONE LINE DIAGRAM SHEET	SQUARE D 3110 H362 CUTLER-HAMMER TYPE DH GENERAL ELECTRIC TYPE TH SIEMENS TYPE HF
FDS-60A	FU	60 A	240 V	3			1	REFER TO ELECTRICAL ONE LINE DIAGRAM SHEET	SQUARE D 3110 H322N CUTLER-HAMMER TYPE DH GENERAL ELECTRIC TYPE TH SIEMENS TYPE HF
FDS-100	FU	100 A	600 V	3			1	REFER TO ELECTRICAL ONE LINE DIAGRAM SHEET	SQUARE D 3110 H363 CUTLER-HAMMER TYPE DH GENERAL ELECTRIC TYPE TH SIEMENS TYPE HF
FDS-100A	FU	100 A	240 V	3			1	REFER TO ELECTRICAL ONE LINE DIAGRAM SHEET	SQUARE D 3110 H323N CUTLER-HAMMER TYPE DH GENERAL ELECTRIC TYPE TH SIEMENS TYPE HF
FED-60	FU	60 A	600 V	3			1	ELEVATOR SHUNT TRIP. CT. FUSE PER ELEVATOR MFC RECOMMENDATIONS.	BUSSMANN PSBT46R2 MERSEN ES6746R2 CUTLER-HAMMER ES2T46R2 LITTELFUSE IFS6746R2
MS-1		16 A	120 V	1	0	MS	1	RP. TO	SQUARE D 2510 FG1P CUTLER-HAMMER TYPE MS GENERAL ELECTRIC CR101 SIEMENS TYPE SMF
MX-1		16 A	120 V	1	0	MX	1		SQUARE D 2510 FG1P CUTLER-HAMMER TYPE B2 GENERAL ELECTRIC TYPE TC SIEMENS TYPE MMS

**TRANSFER SWITCH SCHEDULE**

SWITCH TYPE:		ACCESSORIES: (ACC)	
AUTO - AUTOMATIC	EE - ENGINE EXERCISER		
B/I - AUTOMATIC WITH BYPASS ISOLATION	IM - IN-PHASE MONITOR		
MAN - MANUAL OPERATION	SH - STRIP HEATER WITH THERMOSTAT		
CT - CLOSED TRANSITION	RM - REMOTE ANNUNCIATOR		
DT - DELAY TRANSITION - CENTER OFF	RC - REMOTE CONTROL CIRCUITS		
STAT - STATIC SOLID STATE	EL - ELEVATOR EMERGENCY TO NORMAL PRESIGNAL		
30 - 30 CYCLE WITHSTAND RATING	SP - SERIAL COMMUNICATIONS PORT		
SN - SWITCHED NEUTRAL	PM - POWER MONITORING METER		
ON - OVERLAPPING SWITCHED NEUTRAL	RTC - REMOTE TRANSFER CONTROL FROM FIRE COMMAND CENTER		
DN - SOLID NEUTRAL	RMC - REMOTE ANNUNCIATION AT FIRE COMMAND CENTER		
	TI - TRANSFER INHIBIT		
	LS - LOAD SHED		

ITEM	SWITCH				NEMA ENCLOSURE TYPE	ACC	REMARKS	APPROVED MANUFACTURERS
	TYPE	VOLTAGE	POLES	AMPS				
ATS-EQ	AUTO	480 V	3	100 A	1	EE, IM, DN	GENERATOR START DELAY 10 SECONDS TRANSFER TO EMERGENCY DELAY: 30 SECONDS RETRANSFER TO NORMAL DELAY: 120 SECONDS	ASCO 300 SERIES GE ZENITH ZTG SERIES RUSSEL ELECTRIC RMT SERIES GENERATOR SYSTEM MANUFACTURERS
ATS-LS	AUTO	480 V	3	100 A	1	EE, IM, DN	LIFE SAFETY BRANCH PRIORITY GROUP: 1 GENERATOR START DELAY .5 SECONDS TRANSFER TO EMERGENCY DELAY: 5 SECONDS RETRANSFER TO NORMAL DELAY: 300 SECONDS	ASCO 300 SERIES GE ZENITH ZTG SERIES RUSSEL ELECTRIC RMT SERIES GENERATOR SYSTEM MANUFACTURERS

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT #: 14044.00  
 DESIGN: Design Firm Registration #184-08073  
 KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA THEREON. SUCH DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



ARCHITECT OF RECORD  
 DEMONICA KEMPER ARCHITECTS  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FE ENGINEERING  
 KJWW ENGINEERING CONSULTANTS  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
 RUETTIGER, TONELLI & ASSOC., INC.  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ELECTRICAL PANEL  
 SCHEDULES**

SHEET NUMBER:  
**E5.10**

**PANEL NAME: LH1A** CONNECTED 6.4 KVA  
 TYPE: Type 1 MAIN: 125 A/MLO  
 MOUNTING: SURFACE VOLTS: 480/277 Wye  
 FED FROM: SB-1 SOLID NEUTRAL PHASE: 3  
 SCRR: 64,000 GROUND BUS WIRE: 4  
 LOCATION: ELEC. 1108A DEMAND: 6.38 KVA

CKT NO.	LOAD DESCRIPTION	AMP	POLES	A	B	C	POLES	AMP	LOAD DESCRIPTION	CKT NO.
1	Lighting, "C"	20 A	1	0.64	0.77				20 A Lighting, "C"	2
3	Lighting, "B2, "C"	20 A	1		2.65	0.8			20 A Lighting, "B2, "C"	4
5	Lighting, "B2, "C"	20 A	1			0.56	0.97		20 A Lighting, "B2, "C"	6
7	SPARE	20 A	1	0	0				20 A SPARE	8
9	SPARE	20 A	1						20 A SPARE	10
11	SPARE	20 A	1						20 A SPARE	12
13	SPARE	20 A	1	0	0				20 A SPARE	14
15	SPARE	20 A	1						20 A SPARE	16
17	SPARE	20 A	1						20 A SPARE	18
19	SPARE	20 A	1	0	0				20 A SPARE	20
21	SPARE	20 A	1						20 A SPARE	22
23	SPARE	20 A	1						20 A SPARE	24
25	SPARE	20 A	1	0	0				20 A SPARE	26
27	SPARE	20 A	1						20 A SPARE	28
29	SPARE	20 A	1						20 A SPARE	30
31	SPARE	20 A	1	0	0				20 A SPARE	32
33	SPARE	20 A	1						20 A SPARE	34
35	SPARE	20 A	1						20 A SPARE	36
37	SPARE	20 A	1	0	0				20 A SPARE	38
39	SPARE	20 A	1						20 A SPARE	40
41	SPARE	20 A	1						20 A SPARE	42
Total Load:				1.41 kVA	3.44 kVA	1.52 kVA				
Total Amps:				5.1	12.49	5.56				

[Key]: \*C = THRU CONTACTOR;

**PANEL NAME: LH1B** CONNECTED 16.1 KVA  
 TYPE: BOLT-ON MAIN: 125 A/MLO  
 MOUNTING: SURFACE VOLTS: 480/277 Wye  
 FED FROM: DP-H1 SOLID NEUTRAL PHASE: 3  
 SCRR: 64,000 GROUND BUS WIRE: 4  
 LOCATION: ELEC. 1114 DEMAND: 16.14 KVA

CKT NO.	LOAD DESCRIPTION	AMP	POLES	A	B	C	POLES	AMP	LOAD DESCRIPTION	CKT NO.
1	Lighting	20 A	1	3.43	1.47				20 A Lighting	2
3	Lighting, "C"	20 A	1		1.32	2.22			20 A Lighting, "C"	4
5	EF-2, "B2"	15 A	1			2.22	0.9		15 A EF-1, "B2"	6
7	Dryer Vent	15 A	3	0.9	0.9				15 A Dryer Vent (BESB)	8
9	SPARE	20 A	1						20 A SPARE	10
11	SPARE	20 A	1						20 A SPARE	12
13	Lighting	20 A	1	0.09	0				20 A SPARE	14
15	SPARE	20 A	1						20 A SPARE	16
17	SPARE	20 A	1						20 A SPARE	18
19	SPARE	20 A	1	0	0				20 A SPARE	20
21	SPARE	20 A	1						20 A SPARE	22
23	SPARE	20 A	1						20 A SPARE	24
25	SPARE	20 A	1	0	0				20 A SPARE	26
27	SPARE	20 A	1						20 A SPARE	28
29	SPARE	20 A	1						20 A SPARE	30
31	SPARE	20 A	1	0	0				20 A SPARE	32
33	SPARE	20 A	1						20 A SPARE	34
35	SPARE	20 A	1						20 A SPARE	36
37	SPARE	20 A	1	0	0				20 A SPARE	38
39	SPARE	20 A	1						20 A SPARE	40
41	SPARE	20 A	1						20 A SPARE	42
Total Load:				6.79 kVA	5.33 kVA	4.02 kVA				
Total Amps:				25.24	19.98	14.5				

[Key]: \*C=THRU CONTACTOR

**PANEL NAME: LH2** CONNECTED 6.8 KVA  
 TYPE: BOLT-ON MAIN: 125 A/MLO  
 MOUNTING: SURFACE VOLTS: 480/277 Wye  
 FED FROM: SB-1 SOLID NEUTRAL PHASE: 3  
 SCRR: 64,000 GROUND BUS WIRE: 4  
 LOCATION: STORAGE 2023 DEMAND: 6.78 KVA

CKT NO.	LOAD DESCRIPTION	AMP	POLES	A	B	C	POLES	AMP	LOAD DESCRIPTION	CKT NO.
1	Lighting	20 A	1	3.27	0.99				20 A Lighting, "C"	2
3	Lighting	20 A	1		2.61	1.87			20 A Lighting	4
5	Lighting	20 A	1			0.04	0		20 A SPARE	6
7	SPARE	20 A	1	0	0				20 A SPARE	8
9	SPARE	20 A	1						20 A SPARE	10
11	SPARE	20 A	1						20 A SPARE	12
13	SPARE	20 A	1	0	0				20 A SPARE	14
15	SPARE	20 A	1						20 A SPARE	16
17	SPARE	20 A	1						20 A SPARE	18
19	SPARE	20 A	1	0	0				20 A SPARE	20
21	SPARE	20 A	1						20 A SPARE	22
23	SPARE	20 A	1						20 A SPARE	24
25	SPARE	20 A	1	0	0				20 A SPARE	26
27	SPARE	20 A	1						20 A SPARE	28
29	SPARE	20 A	1						20 A SPARE	30
31	SPARE	20 A	1	0	0				20 A SPARE	32
33	SPARE	20 A	1						20 A SPARE	34
35	SPARE	20 A	1						20 A SPARE	36
37	SPARE	20 A	1	0	0				20 A SPARE	38
39	SPARE	20 A	1						20 A SPARE	40
41	SPARE	20 A	1						20 A SPARE	42
Total Load:				4.26 kVA	4.48 kVA	0.04 kVA				
Total Amps:				17.73	18.5	0.15				

[Key]: \*C=THRU CONTACTOR.

**PANEL NAME: PH1** CONNECTED 30.2 KVA  
 TYPE: BOLT-ON MAIN: 250 A/MLO  
 MOUNTING: SURFACE VOLTS: 480/277 Wye  
 FED FROM: SB-1 SOLID NEUTRAL PHASE: 3  
 SCRR: 64,000 GROUND BUS WIRE: 4  
 LOCATION: ELEC. 1108A DEMAND: 30.18 KVA

CKT NO.	LOAD DESCRIPTION	AMP	POLES	A	B	C	POLES	AMP	LOAD DESCRIPTION	CKT NO.
1	PANEL PL1A, *1L	125 A	3	8.12	1.07				30 A WH-2	2
3	SPARE	20 A	1			10.79	1.07		20 A SPARE	4
5	SPARE	20 A	1				5.87	1.07	20 A SPARE	6
7	EF-3	15 A	1	2.2	0				20 A SPARE	8
9	SPARE	20 A	1						20 A SPARE	10
11	SPARE	20 A	1						20 A SPARE	12
13	SPARE	20 A	1	0	0				20 A SPARE	14
15	SPARE	20 A	1						20 A SPARE	16
17	SPARE	20 A	1						20 A SPARE	18
19	SPARE	20 A	1	0	0				20 A SPARE	20
21	SPARE	20 A	1						20 A SPARE	22
23	SPARE	20 A	1						20 A SPARE	24
25	SPARE	20 A	1	0	0				20 A SPARE	26
27	SPARE	20 A	1						20 A SPARE	28
29	SPARE	20 A	1						20 A SPARE	30
31	SPARE	20 A	1	0	0				20 A SPARE	32
33	SPARE	20 A	1						20 A SPARE	34
35	SPARE	20 A	1						20 A SPARE	36
37	SPARE	20 A	1	0	0				20 A SPARE	38
39	SPARE	20 A	1						20 A SPARE	40
41	SPARE	20 A	1						20 A SPARE	42
Total Load:				11.39 kVA	11.86 kVA	6.94 kVA				
Total Amps:				43.58	45.28	25.05				

[Key]: \*1L = SEE ONE LINE SHEETS FOR WIRE SIZE.

**PANEL NAME: PL1A** CONNECTED 24.8 KVA  
 TYPE: Type 1 MAIN: 250 A/MCB  
 MOUNTING: SURFACE VOLTS: 120/208 Wye  
 FED FROM: PANEL "PH1" SOLID NEUTRAL PHASE: 3  
 SCRR: 10,000 GROUND BUS WIRE: 4  
 LOCATION: ELEC. 1108A DEMAND: 24.78 KVA

CKT NO.	LOAD DESCRIPTION	AMP	POLES	A	B	C	POLES	AMP	LOAD DESCRIPTION	CKT NO.
1	SPD-B3L, *1L	30 A	3	0.1	1				20 A Power, "C2"	2
3	SPARE	20 A	1			0	1.4		20 A HAND DRYER	4
5	SPARE	20 A	1			0	0.2		20 A LC-EXT	6
7	PLUMBING SENSORS	20 A	1	0.6	1.2				20 A Power, "C2"	8
9	Power	20 A	1			0.6	1.2		20 A Power, "B2"	10
11	SPARE	20 A	1						20 A Power, "B2"	12
13	Power, "B2"	20 A	1	0.6	1.4				20 A HAND DRYER	14
15	COILING DOOR, "C2"	20 A	1			1	1.4		20 A HAND DRYER	16
17	Power	20 A	1			1.2	0.8		20 A Power	18
19	Power	20 A	1	1.4	0.5				20 A BATTING CAGE, "B2"	20
21	BATTING CAGE, "B2"	20 A	1	0.5	1.59				20 A Divider Curtain, "B2"	22
23	HAND DRYER	20 A	1			1.4	0.4		20 A LC-MCRR	24
25	Power	20 A	1	0	0.32				20 A P-3, "B2"	26
27	Power, "B2"	20 A	1			1.2	0		20 A SPARE	28
29	Power, "B2"	20 A	1				0.6	0	20 A SPARE	30
31	CAB-9	20 A	1	0.5	0.5				20 A BLEACHER, "B2"	32
33	HAND DRYER	20 A	1	1.4	0.5				20 A BLEACHER, "C2"	34
35	SPARE	20 A	1			0	0.27		20 A Lighting, "B2, "C"	36
37	SPARE	20 A	1						20 A SPARE	38
39	SPARE	20 A	1			0	0		20 A SPARE	40
41	SPARE	20 A	1						20 A SPARE	42
43	SPARE	20 A	1	0	0				20 A SPARE	44
45	SPARE	20 A	1	0	0				20 A SPARE	46
47	SPARE	20 A	1			0	0		20 A SPARE	48
49	SPARE	20 A	1	0	0				20 A SPARE	50
51	SPARE	20 A	1			0	0		20 A SPARE	52
53	SPARE	20 A	1			0	0		20 A SPARE	54
55	SPARE	20 A	1	0	0				20 A SPARE	56
57	SPARE	20 A	1			0	0		20 A SPARE	58
59	SPARE	20 A	1			0	0		20 A SPARE	60
61	SPARE	20 A	1			0	0		20 A SPARE	62
63	SPARE	20 A	1			0	0		20 A SPARE	64
65	SPARE	20 A	1			0	0		20 A SPARE	66
67	SPARE	20 A	1	0	0				20 A SPARE	68
69	SPARE	20 A	1			0	0		20 A SPARE	70
71	SPARE	20 A	1			0	0		20 A SPARE	72
73	SPARE	20 A	1	0	0				20 A SPARE	74
75	SPARE	20 A	1			0	0		20 A SPARE	76
77	SPARE	20 A	1			0	0		20 A SPARE	78
79	SPARE	20 A	1	0	0				20 A SPARE	80
81	SPARE	20 A	1			0	0		20 A SPARE	82
83	SPARE	20 A	1						20 A SPARE	84
Total Load:				8.12 kVA	10.79 kVA	5.87 kVA				
Total Amps:				70.55	92.8	48.93				

[Key]: \*1L=SEE ONE LINE SHEETS FOR WIRE SIZE; \*C=THRU CONTACTOR

**PANEL NAME: PL1B** CONNECTED 32.9 KVA  
 TYPE: BOLT-ON MAIN: 250 A/MLO  
 MOUNTING: SURFACE VOLTS: 120/208 Wye  
 FED FROM: DP-1 SOLID NEUTRAL PHASE: 3  
 SCRR: 10,000 GROUND BUS WIRE: 4  
 LOCATION:







ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ELECTRICAL PANEL  
 SCHEDULES**

SHEET NUMBER:

**E5.12**

**RELAY PANEL NAME: FH-RLY-H**

CONNECTED: 12.2 kVA  
 TYPE: Type 1  
 MOUNTING: SURFACE  
 FED FROM: DP-H1-7  
 SCRR: 65,000  
 LOCATION: STORAGE 1014

MAIN: 200 A  
 VOLTS: 480/277 Wye  
 PHASE: 3  
 WIRE: 4  
 DEMAND: 12.21 kVA

Panel Notes:

CKT NO.	LOAD DESCRIPTION	AMP	POLES	A	B	C	POLES	AMP	LOAD DESCRIPTION	CKT NO.	
1	Complete Zone 1	20 A	1	1.11	0.56			1	20 A	Complete Zone 2	2
3	Complete Zone 3	20 A	1		1.11	1.11		1	20 A	Complete Zone 4	4
5	Complete Zone 5	20 A	1			0.56	0.37	1	20 A	Complete Zone 6	6
7	Complete Zone 7	20 A	1	0.74	0.74			1	20 A	Field House Zone 8	8
9	Field House Zone 9	20 A	1		1.48	0.56		1	20 A	Field House Zone 10	10
11	Field House Zone 11, "B2"	20 A	1			1.11	1.11	1	20 A	Field House Zone 12, "B2"	12
13	Field House Zone 13	20 A	1	0.56	1.11			1	20 A	Field House Zone 14, "B2"	14
16	SPARE	20 A	1		0	0		1	20 A	SPARE	16
17	SPARE	20 A	1			0	0	1	20 A	SPARE	18
19	SPARE	20 A	1	0	0			1	20 A	SPARE	20
21	SPARE	20 A	1		0	0		1	20 A	SPARE	22
23	SPACE	--	--			0	0	--	--	SPACE	24
		<b>Total Load:</b>		4.81 kVA	4.26 kVA	3.15 kVA					
		<b>Total Amps:</b>		17.98	15.98	11.35					

[Key:]

**RELAY PANEL NAME: FH-RLY-L**

CONNECTED: 2.5 kVA  
 TYPE: BOLT-ON  
 MOUNTING: SURFACE  
 FED FROM: DP-L1-11  
 SCRR: 10,000  
 LOCATION: STORAGE 1014

MAIN: 100 AMCB  
 VOLTS: 120/208 Wye  
 PHASE: 3  
 WIRE: 4  
 DEMAND: 2.5 kVA

Panel Notes:

CKT NO.	LOAD DESCRIPTION	AMP	POLES	A	B	C	POLES	AMP	LOAD DESCRIPTION	CKT NO.	
1	Stage Lt.	20 A	1	0.5	0.5			1	20 A	Stage Lt.	2
3	Stage Lt.	20 A	1		0.5	0.5		1	20 A	Stage Lt.	4
5	Stage Lt.	20 A	1			0.5	0	1	20 A	SPARE	6
7	SPARE	20 A	1	0	0			1	20 A	SPARE	8
9	SPARE	20 A	1		0	0		1	20 A	SPARE	10
11	SPACE	--	--			0	0	--	--	SPACE	12
		<b>Total Load:</b>		1 kVA	1 kVA	0.5 kVA					
		<b>Total Amps:</b>		8.97	8.97	4.17					

[Key:]

**BRANCH CIRCUIT WIRING KEY**

WIRE ID	THHW / THWN COPPER CONDUCTORS			EQUIPMENT GROUNDING CONDUCTOR	
	2 WIRE	3 WIRE	4 WIRE	CONDUCTOR	CONDUIT
A#	2#12	3#12	4#12	4#12	3/4"
B#	2#10	3#10	4#10	4#10	3/4"
C#	2#8	3#8	4#8	4#8	3/4"
D#	2#6	3#6	4#6	4#6	1"
E#	2#4	3#4	4#4	4#4	1 1/4"
F#	2#2	3#2	4#2	4#2	1 1/4"
G#	2#1	3#1	4#1	4#1	1 1/2"
H#	2#1/0	3#1/0	4#1/0	4#1/0	2"

ALL BRANCH CIRCUITS SHALL INCLUDE THE EQUIPMENT GROUND CONDUCTOR.

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 www.kjww.com

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 www.kjww.com

Project # 14-004-00  
 © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3







ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

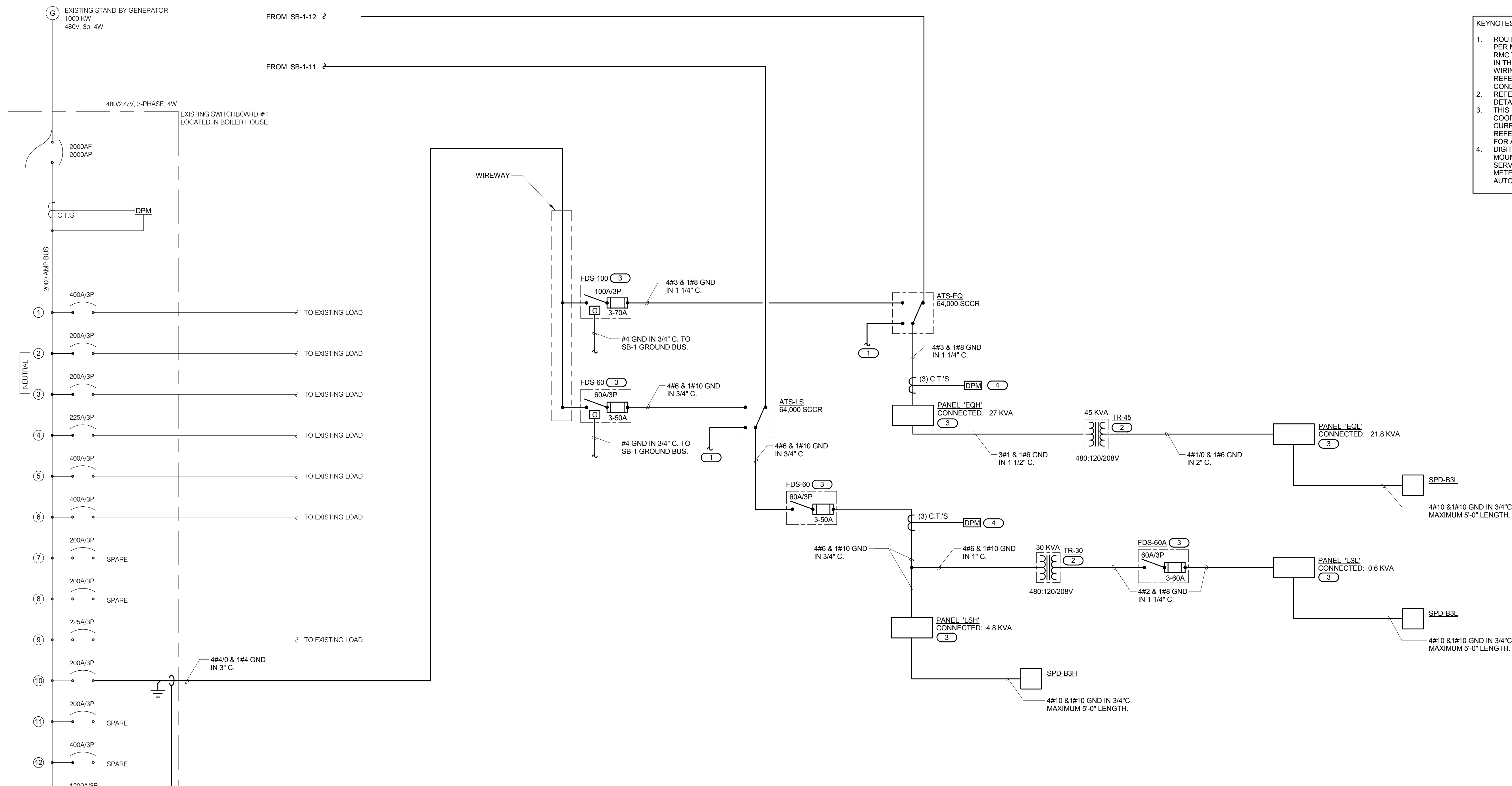
STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD, SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

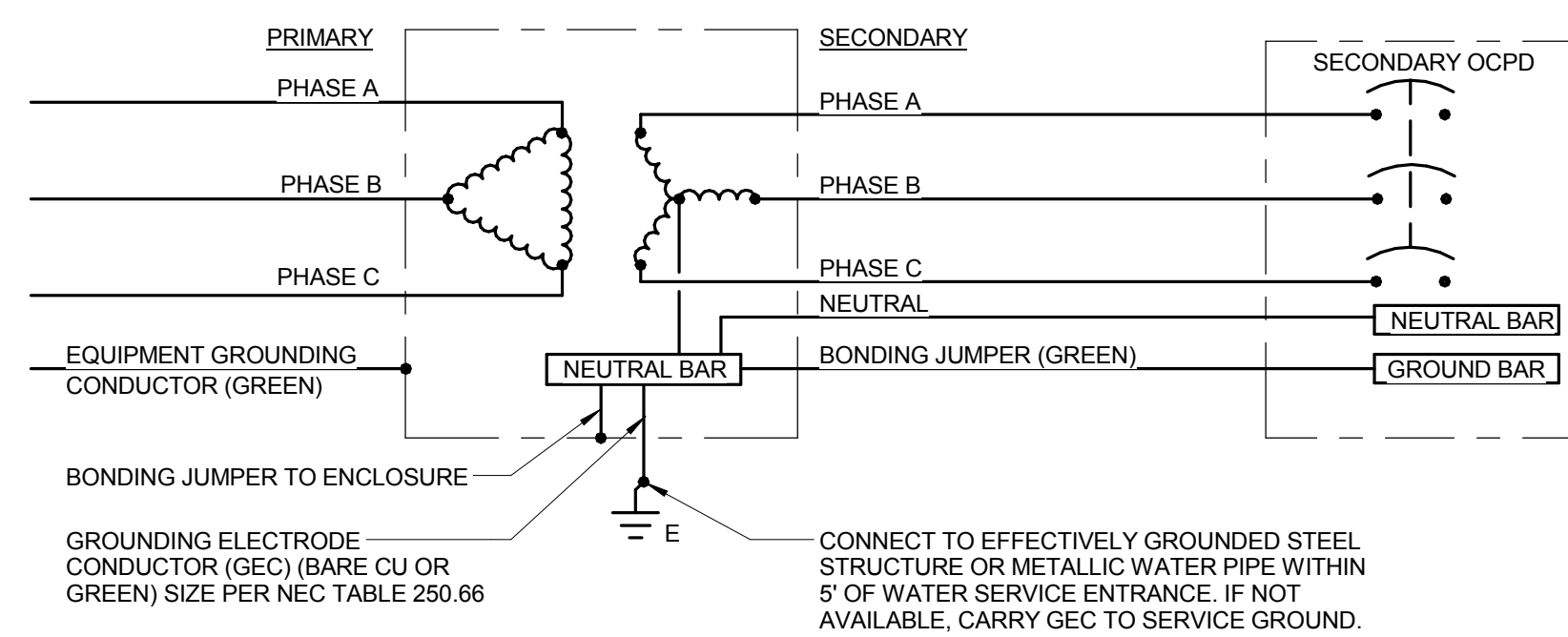
**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

- GENERAL SHEET NOTES:**
- REFER TO SHEET E0.00 FOR ELECTRICAL SYMBOL LIST.
  - REFER TO SHEET E5.10 AND E5.11 FOR PANEL SCHEDULES.
  - REFER TO E5.00 FOR ELECTRICAL ONE LINE DIAGRAM NOTES.

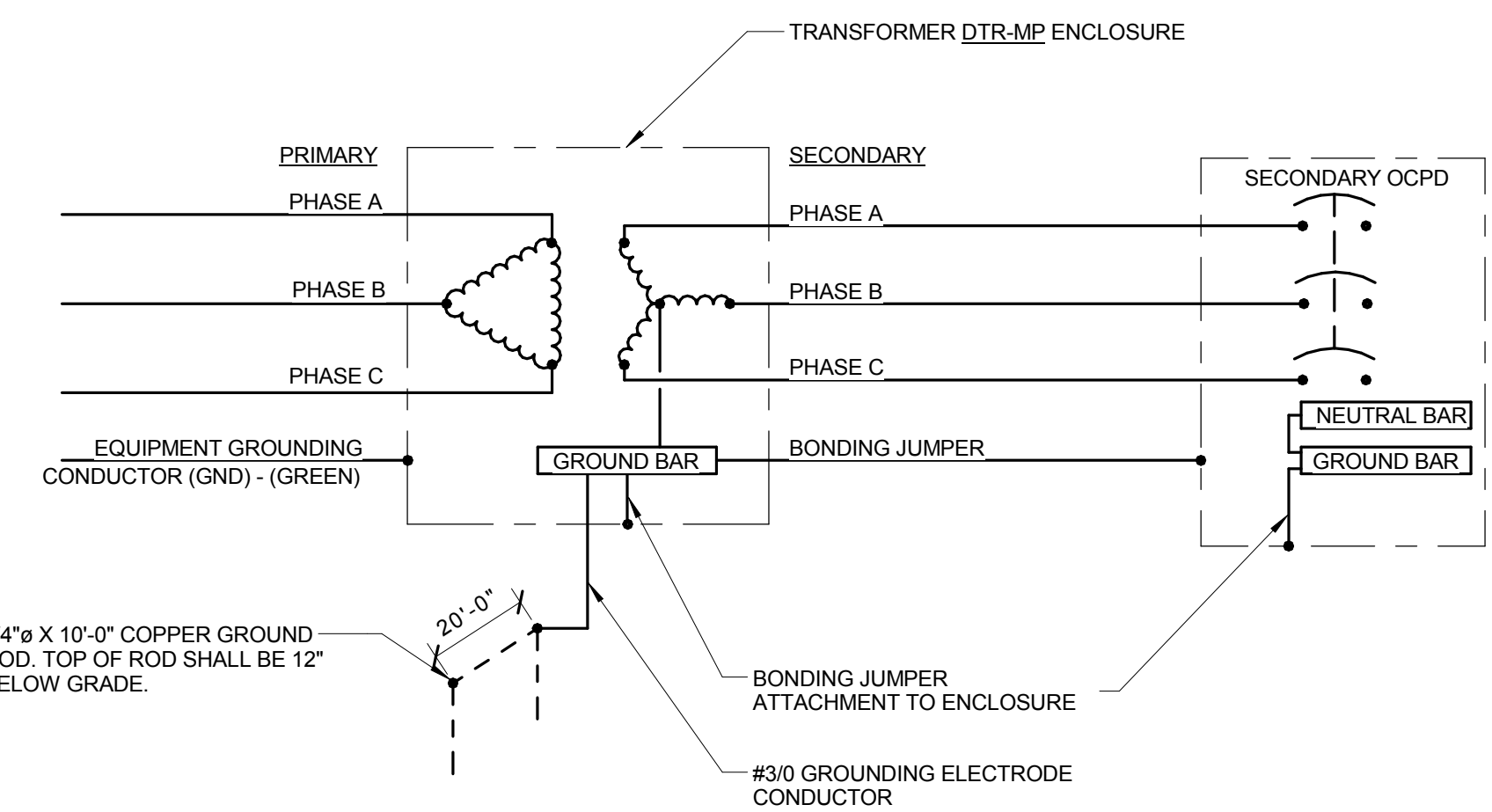
- KEYNOTES:**
- ROUTE TRANSFER SWITCH CONTROL WIRING PER MANUFACTURER'S REQUIREMENTS IN 3" RMC TO EXISTING TRANSFER SWITCH LOCATED IN THE BOILER HOUSE. THE NEW CONTROL WIRING TO EXISTING TRANSFER SWITCHES. REFER TO SHEET E0.01 FOR ADDITIONAL CONDUIT ROUTING INFORMATION.
  - REFER TO 2E6.01 FOR TRANSFORMER WIRING DETAIL.
  - THIS BRANCH REQUIRES SELECTIVE COORDINATION OF ALL SUPPLY SIDE OVER CURRENT DEVICES WITH BRANCH DEVICES. REFER TO SPECIFICATION SECTION 26 05 73 FOR ADDITIONAL REQUIREMENTS.
  - DIGITAL POWER METER AND DISPLAY SHALL BE MOUNTED NEXT TO THE TRANSFER SWITCH IT'S SERVING. PROVIDE ENCLOSURE FOR THE METER. CONNECT METER TO THE BUILDING AUTOMATION SYSTEM.



**1 ELECTRICAL ONE LINE DIAGRAM EMERGENCY**  
 NO SCALE



**2 TRANSFORMER WIRING DETAIL**  
 NO SCALE



**3 MEDIUM VOLTAGE TRANSFORMER WIRING DETAIL**  
 NO SCALE

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**PROJECT # 14-004-00**  
 DESIGN FIRM REGISTRATION #18-000773

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

KEY PLAN:

SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ELECTRICAL ONE  
 LINE DIAGRAM -  
 EMERGENCY**

SHEET NUMBER:  
**E6.01**

**FIRE BARRIER DESIGNATIONS**

THE SYMBOLS SHOWN ARE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY RATINGS WITH THE LATEST SET OF ARCHITECTURAL PLANS AND FURNISH ALL MATERIALS REQUIRED TO COMPLY WITH THOSE RATINGS WHETHER SHOWN OR NOT.  
ALL FLOOR, FLOOR CEILING, AND ROOF CEILING ASSEMBLIES SHALL BE DESIGNATED AS 1 AND 2 HOUR FIRE BARRIER(S), UNLESS NOTED OTHERWISE ON THE PLANS.

1 HOUR FIRE BARRIER	----
2 HOUR FIRE BARRIER	-----

**FIRE PROTECTION GENERAL NOTES**

- DRAWINGS SHOWING LOCATIONS OF PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT ACTUAL INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF ALL PIPING, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
- DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. READ ALL SPECIFICATIONS, REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.
- LAYOUT AND COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH ANY FABRICATION OR EQUIPMENT ORDERS.
- CONTRACTOR IS RESPONSIBLE FOR REVIEW OF SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKING REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.
- ANY CHANGES THAT ARE REQUIRED TO ELIMINATE CONFLICTS AND RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO THE OWNER.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES.
- CAULK ALL PIPE PENETRATIONS OF FULL HEIGHT NON FIRE RATED WALLS, PARTITIONS, AND FLOORS. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN THE ROOMS.
- WHERE PIPES ARE SHOWN TO PENETRATE FLOORS, PROVIDE SLEEVED OPENINGS WITH THE TOP EDGE RAISED ABOVE FLOOR SURFACE IN ACCORDANCE WITH SECTION 23 05 29. SEAL SLEEVE PERIMETER TO BE WATER-TIGHT.
- EQUIPMENT SIZES AND SERVICE CLEARANCE REQUIREMENTS VARY BETWEEN DIFFERENT MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND REQUIRED SERVICE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT PADS, PIPING, DUCTWORK, ETC.
- MAINTAIN MINIMUM 3'-6" CLEARANCE IN FRONT OF ALL ELECTRICAL PANELS, MOTOR STARTER, SWITCHES, AND DISCONNECTS.
- WITHIN MECHANICAL ROOMS MAINTAIN MAXIMUM VERTICAL CLEARANCES IN AISLES AND WALKWAYS TO OVERHEAD EQUIPMENT, PIPING, DUCTWORK, HANGERS, HANGER RODS, AND CONDUIT. COORDINATE WORK WITH OTHER TRADES TO MAXIMIZE VERTICAL CLEARANCES THROUGHOUT.
- DO NOT SUPPORT PIPING FROM METAL DECKING OR OTHER NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATION REQUIREMENTS.
- FIRE PROTECTION PIPE ROUTING IS SHOWN FOR GENERAL LAYOUT. CONTRACTOR SHALL DETERMINE EXACT NUMBER OF HEADS, PIPE SIZING, AND PIPE ROUTING.
- CENTER SPRINKLER HEADS IN CEILING TILES IN BOTH DIRECTIONS IN ALL AREAS. IN AREAS WITH 2'x4' CEILING TILES CENTERING USING A 2'x2' CEILING PATTERN IS ACCEPTABLE.
- REFER TO SHEET FP4.00 FOR FIRE PROTECTION MATERIAL LIST AND SPRINKLER SCHEDULE.
- NEW SPRINKLER HEADS SHALL BE QUICK RESPONSE TYPE, UNLESS OTHERWISE NOTED. CONTRACTOR SHALL NOT MIX STANDARD RESPONSE HEADS WITH QUICK RESPONSE HEADS IN UNPARTITIONED SPACES.

**FIRE PROTECTION SYMBOLS LIST**

SYMBOL:	DESCRIPTION:
---	NEW
FP	FIRE PROTECTION
W	SERVICE WATER - POTABLE
→	PIPE DOWN
←	PIPE UP OR UP/DOWN
⊘	SHUTOFF VALVE NORMALLY OPEN
⊘	ANGLE VALVE
⊘	BUTTERFLY VALVE WITH MONITOR SWITCH
⊘	INSPECTOR TEST AND DRAIN VALVE
⊘	MONITOR SWITCH
□	NO HATCH
▨	ORDINARY GROUP 1



ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

**FIRE PROTECTION SHEET INDEX**

FP0.00	FIRE PROTECTION COVER SHEET
FP1.10	LEVEL 1 PLAN - FIRE PROTECTION
FP1.20	LEVEL 2 PLAN - FIRE PROTECTION
FP2.00	ALTERNATE PLANS - FIRE PROTECTION
FP3.00	FIRE PROTECTION RISER DIAGRAM & DETAILS
FP4.00	FIRE PROTECTION MATERIAL LIST

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14-004-00  
 DESIGN FIRM REGISTRATION #14-00073

**KJWW ENGINEERING** RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3

KEY PLAN:

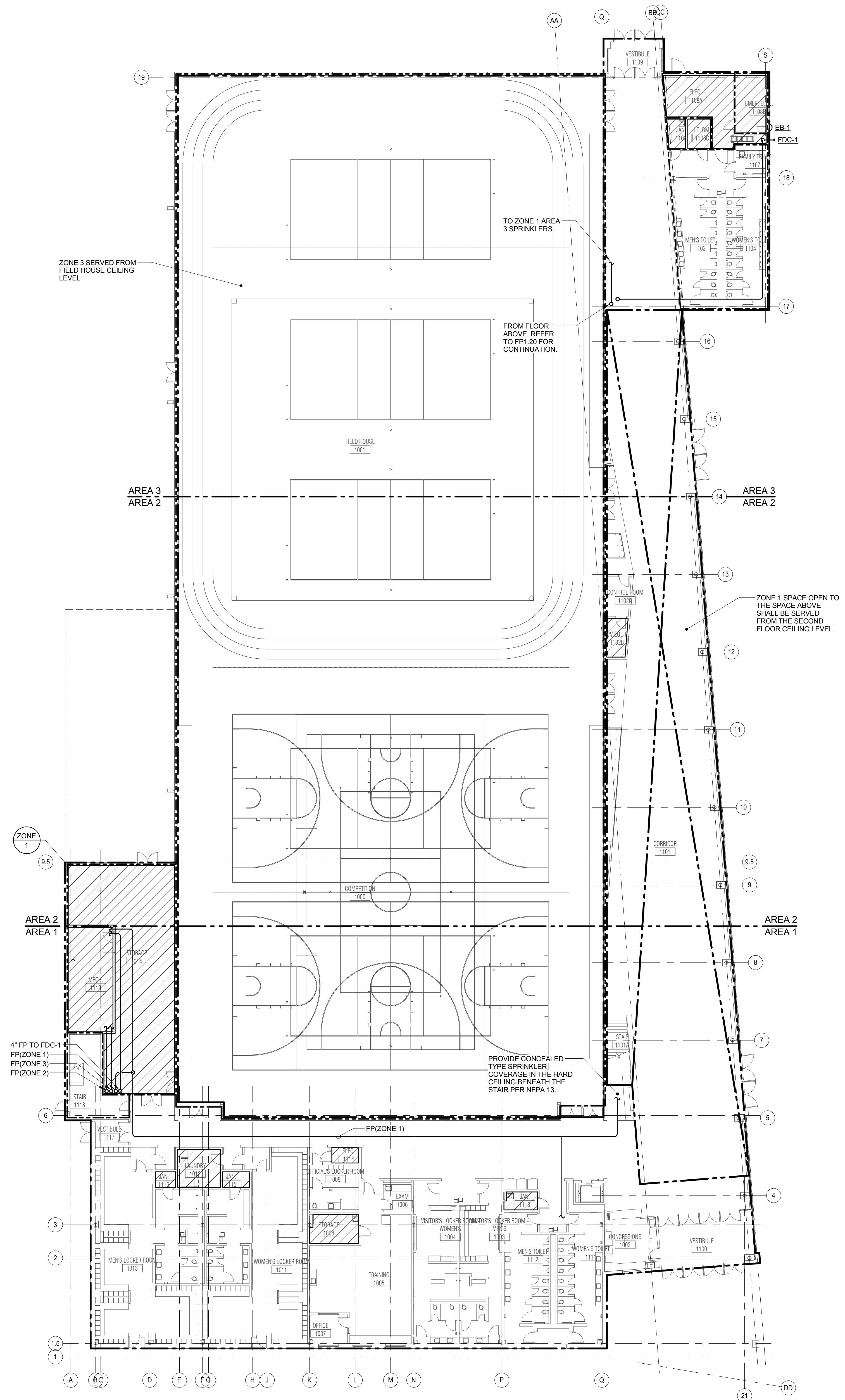
SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**FIRE PROTECTION  
 COVER SHEET**

SHEET NUMBER:  
**FP0.00**

GENERAL SHEET NOTES:  
 1. PROVIDE SPRINKLER COVERAGE IN ALL SPACES PER NFPA 13.



**LEVEL 1 PLAN - FIRE PROTECTION**  
 1/16" = 1'-0"

**KJW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.827.2320 FAX: 630.827.2321  
 WWW.KJW.COM

**PROJECT # 14-004**

KJW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJW ENGINEERING. © 2015 KJW, P.C.

REFERENCE SCALE IN INCHES

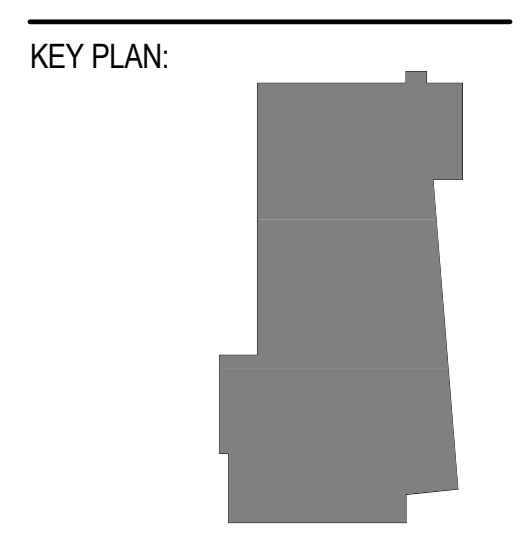


ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.827.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1 PLAN - FIRE PROTECTION**

SHEET NUMBER:  
**FP1.10**





ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

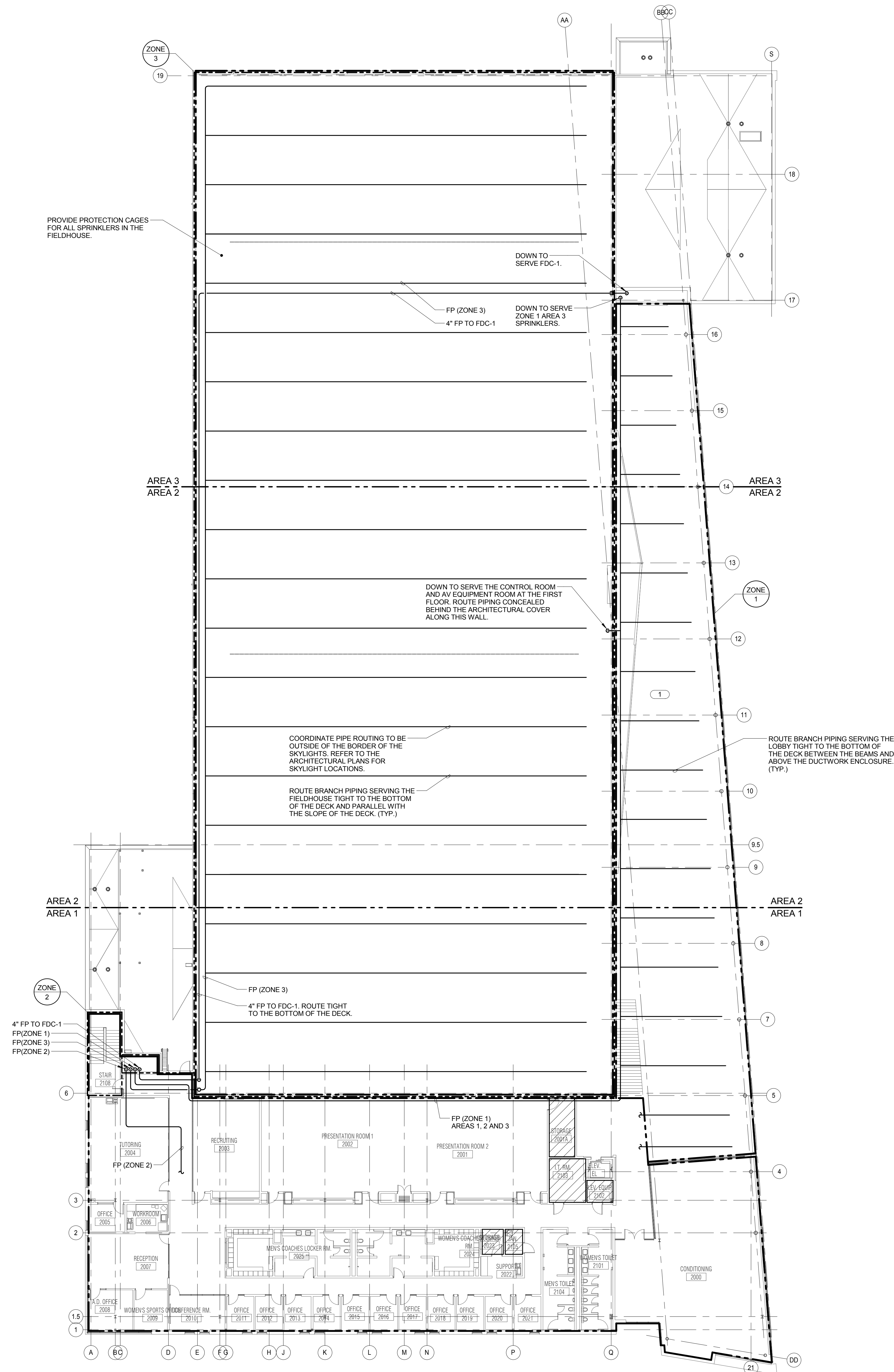
CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**GENERAL SHEET NOTES :**

1. PROVIDE SPRINKLER COVERAGE IN ALL SPACES PER NFPA 13.

**KEYNOTES: (R)**

1. CONTRACTOR SHALL ARRANGE LOBBY SPRINKLERS ACCORDING TO NFPA 13 TO ACCOMMODATE THE DUCT ENCLOSURE OBSTRUCTION.



**LEVEL 2 PLAN - FIRE PROTECTION**  
 1/16" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

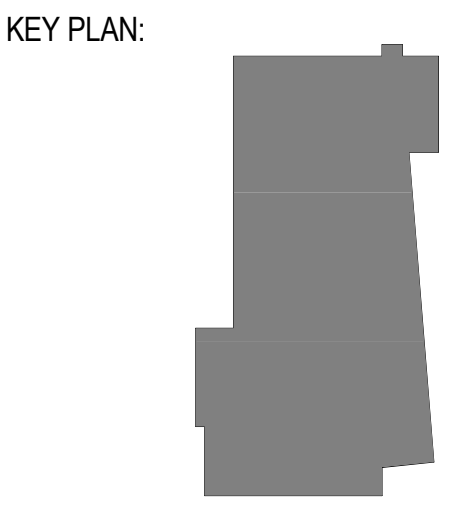
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 815.744.6600

PROJECT # 140644-00  
 DESIGN FIRM REGISTRATION # 08-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA DERIVED THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2 PLAN - FIRE PROTECTION**

SHEET NUMBER:  
**FP1.20**



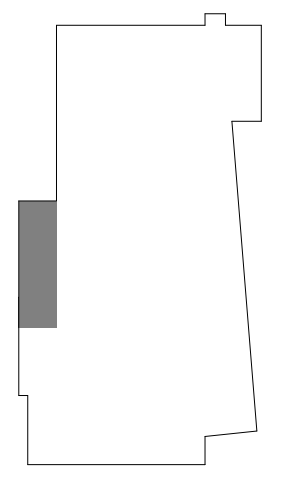
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEPFP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

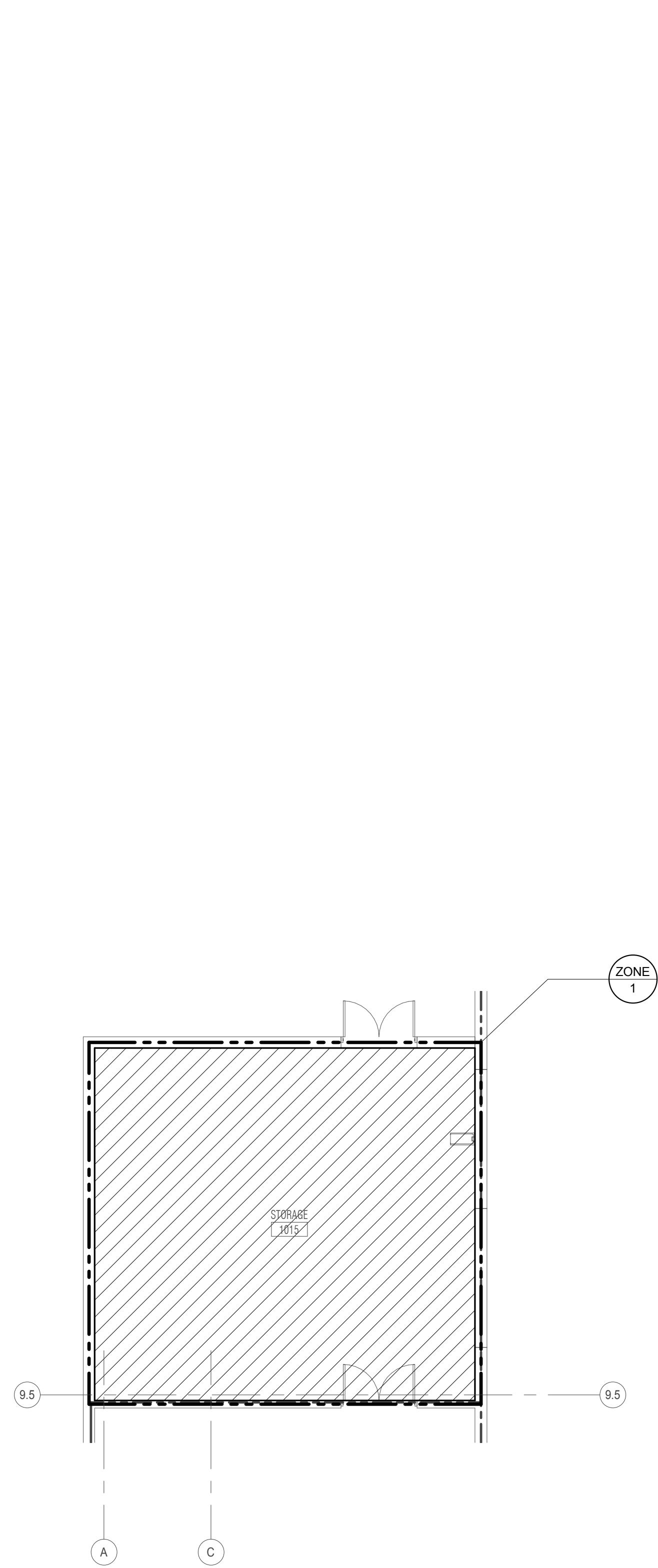


SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

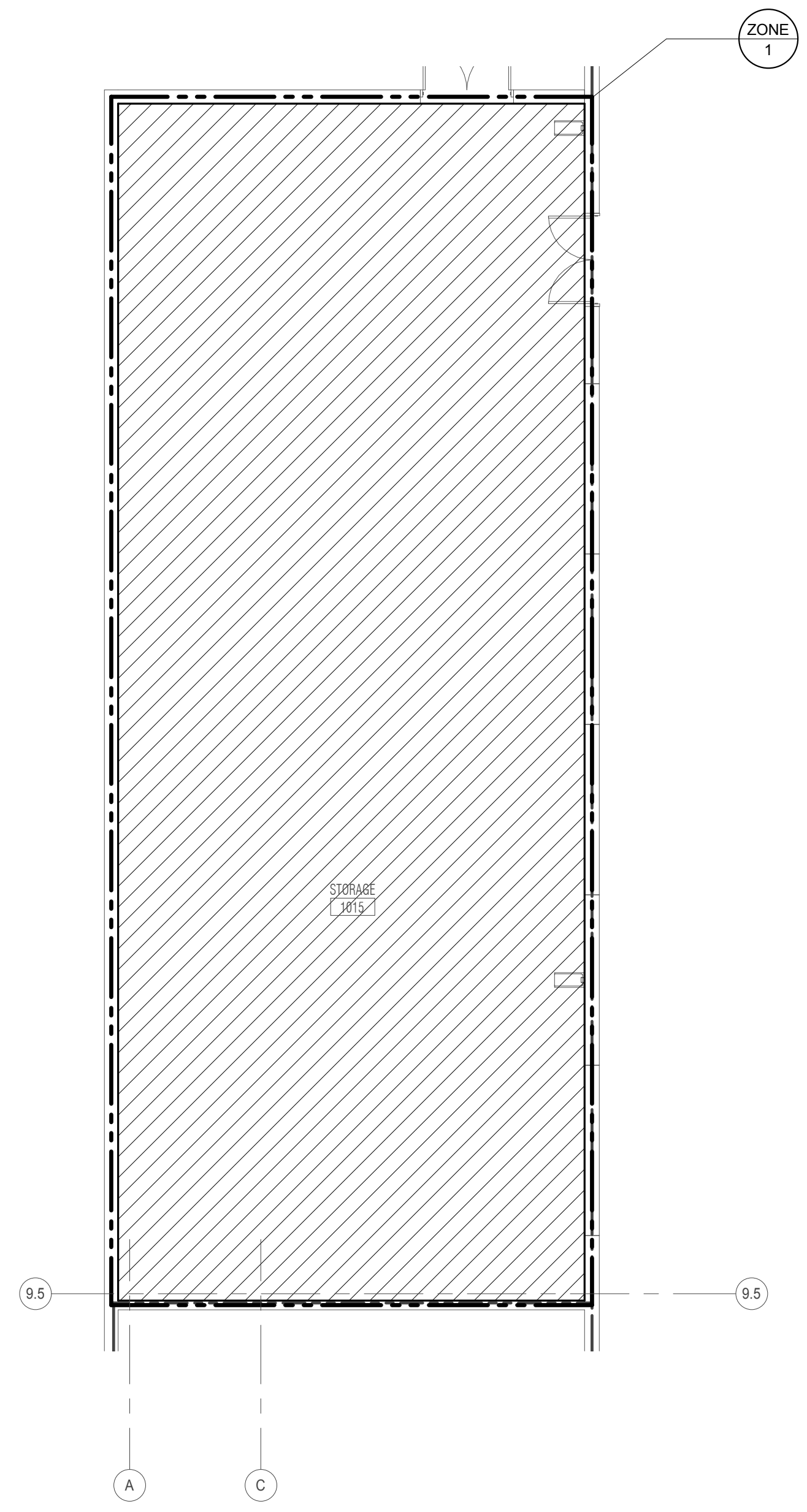
NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ALTERNATE PLANS -  
 FIRE PROTECTION**

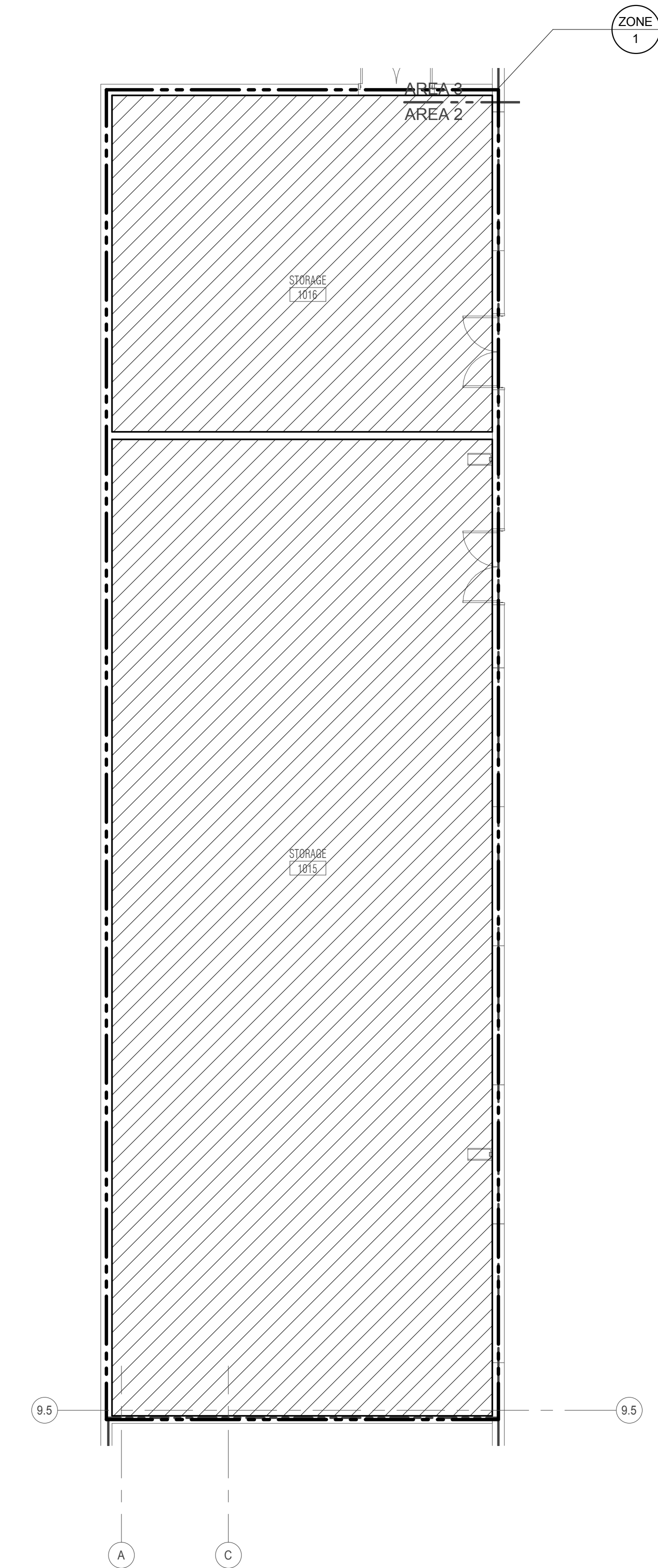
SHEET NUMBER:  
**FP2.00**



**LEVEL 1 PLAN -  
 FIRE PROTECTION - ALT 1**  
 1/8" = 1'-0"  
 NOTES:  
 1. STORAGE 1015 SHALL BE ADDED TO FIRE PROTECTION ZONE 1  
 UNDER ALTERNATE BID #1.



**LEVEL 1 PLAN -  
 FIRE PROTECTION - ALT 2**  
 1/8" = 1'-0"  
 NOTES:  
 1. STORAGE 1015 SHALL BE ADDED TO FIRE PROTECTION ZONE 1  
 UNDER ALTERNATE BID #2.



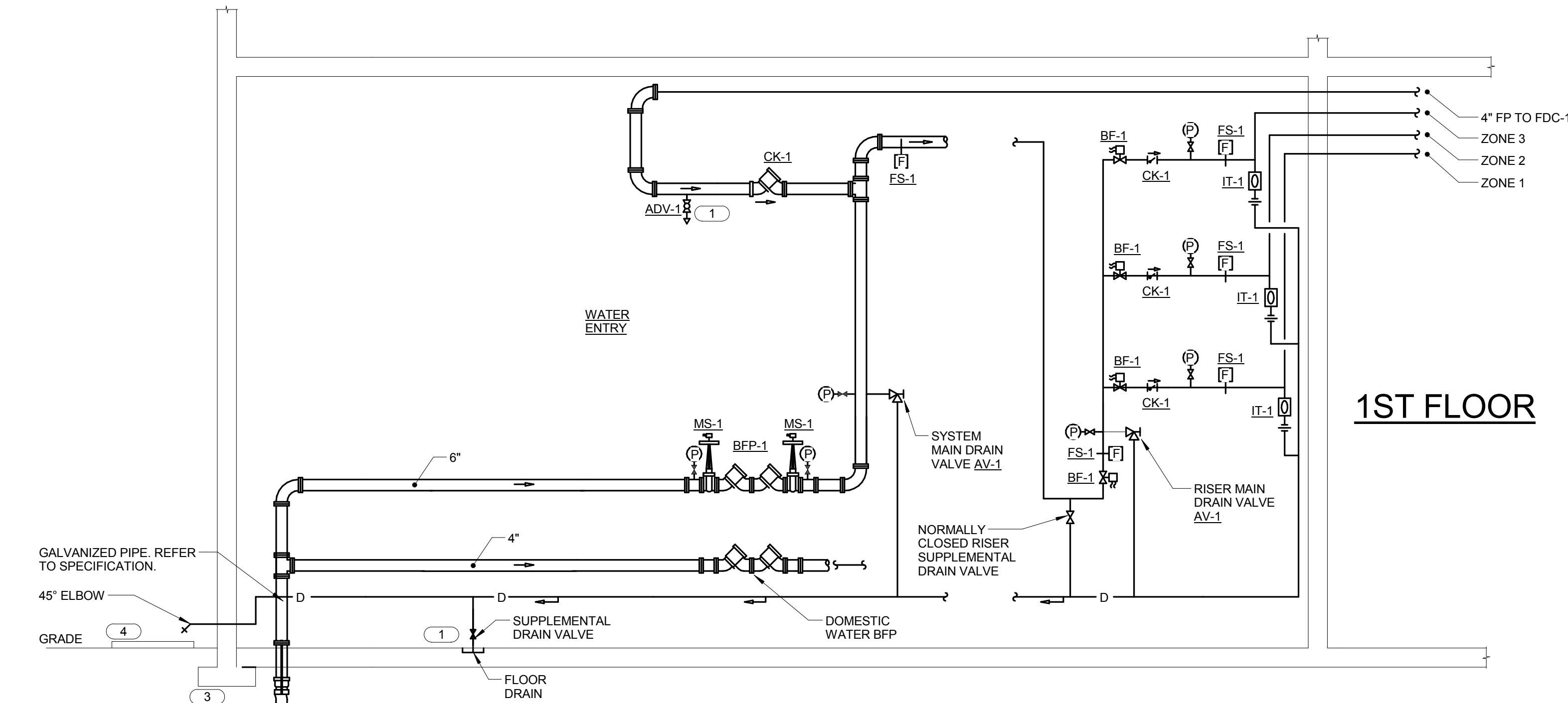
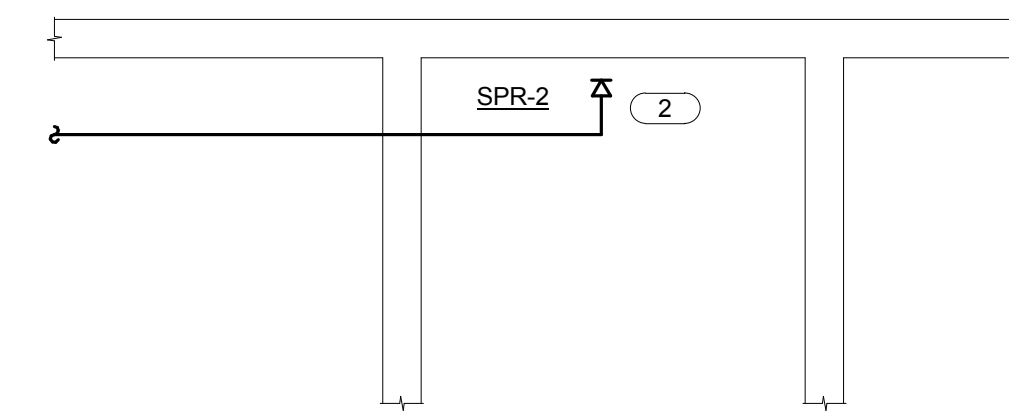
**LEVEL 1 PLAN -  
 FIRE PROTECTION - ALT 3**  
 1/8" = 1'-0"  
 NOTES:  
 1. STORAGE 1015 AND STORAGE 1016 SHALL BE ADDED TO FIRE  
 PROTECTION ZONE 1 UNDER ALTERNATE BID #3.

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14-004-00  
 DESIGN FIRM REGISTRATION #18-00073

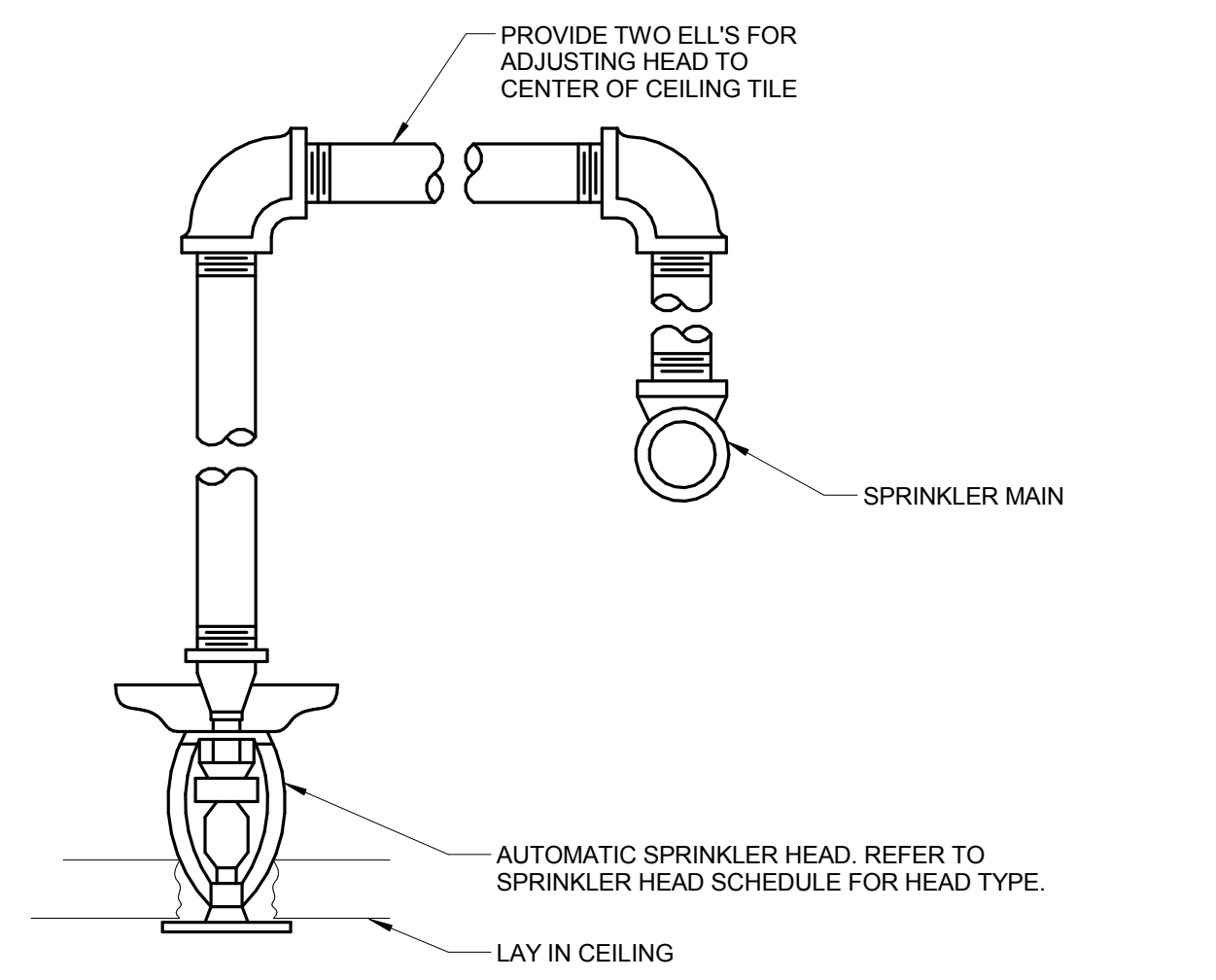
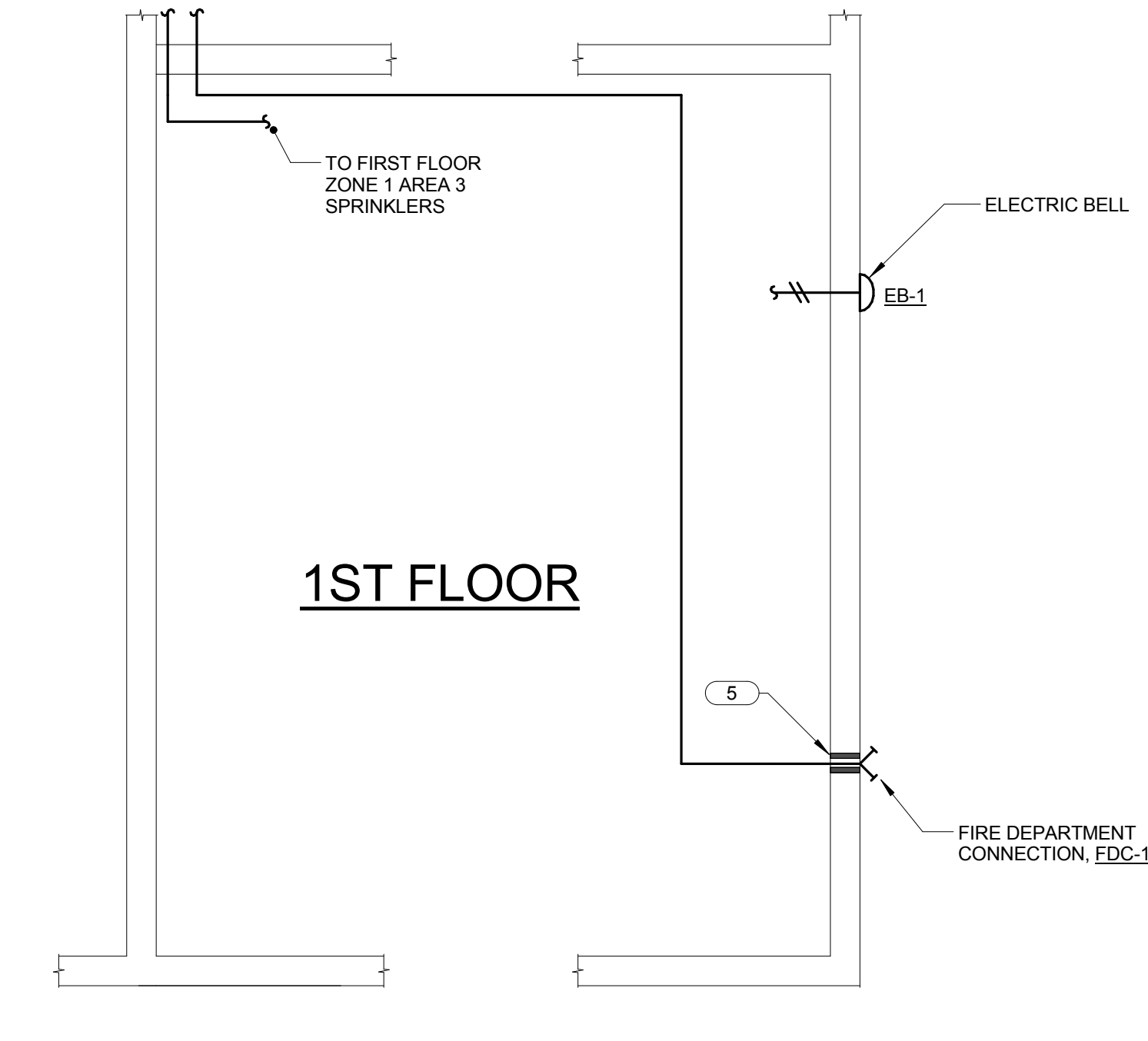
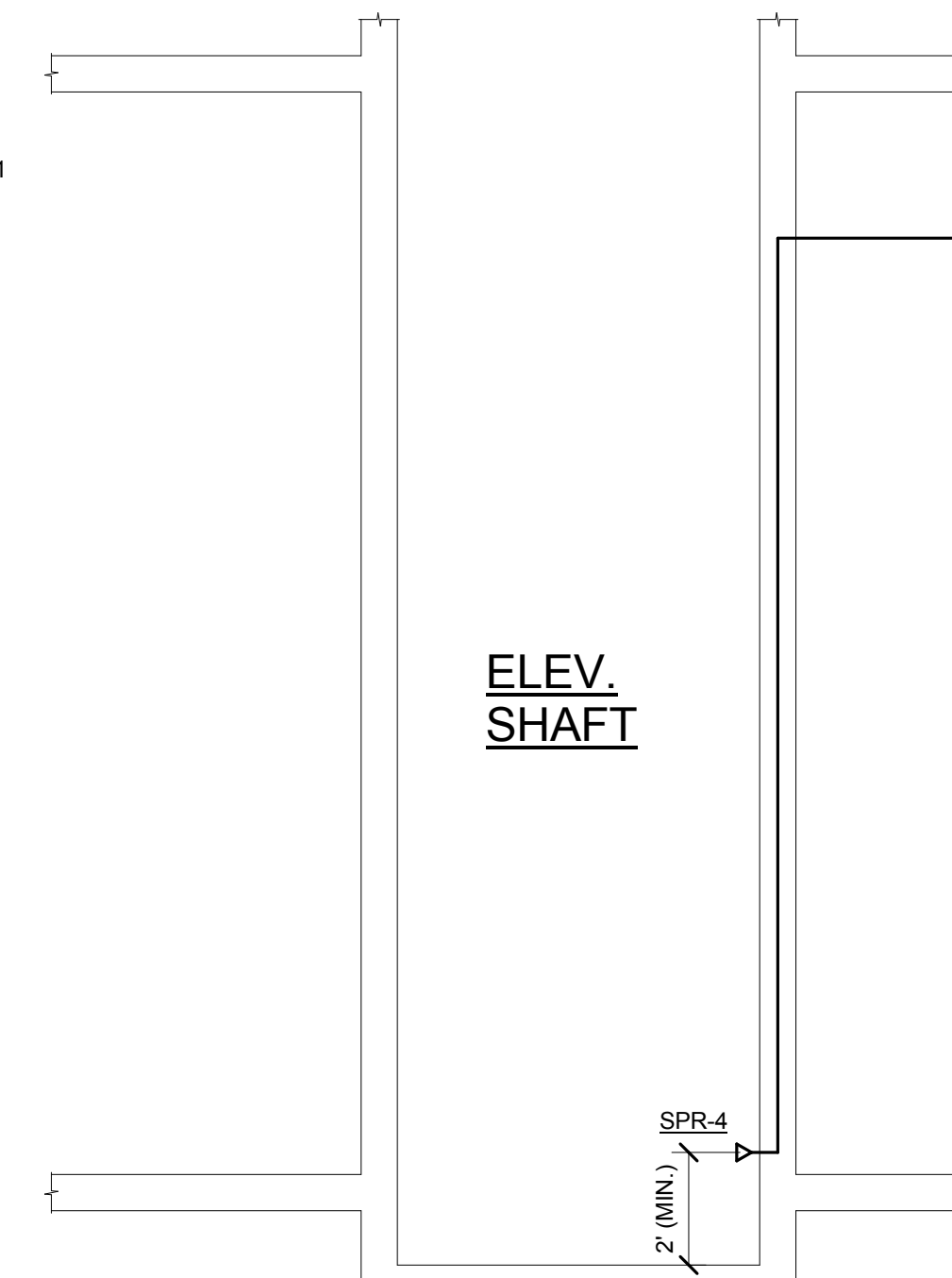
KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3

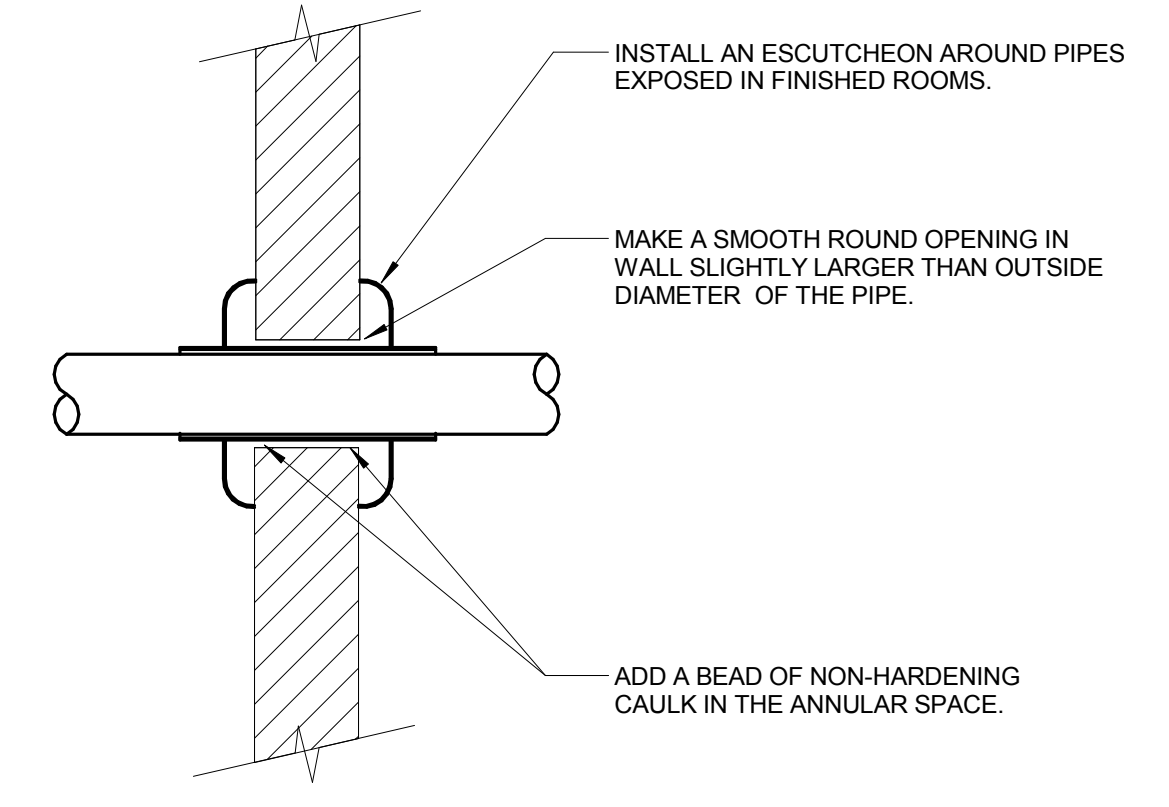
- KEYNOTES**
1. DISCHARGE DOWN OVER NEAREST FLOOR DRAIN.
  2. SPRINKLER(S) AT TOP OF ELEVATOR SHAFT.
  3. REFER TO 1P4.0 FOR UNDERGROUND WATER MAIN ANCHORING DETAIL.
  4. PROVIDE CONCRETE SPLASHBLOCK AT GRADE.
  5. SEAL WALL PENETRATION WATERTIGHT, (TYPICAL)



**1 FIRE PROTECTION RISER DIAGRAM**  
 NO SCALE

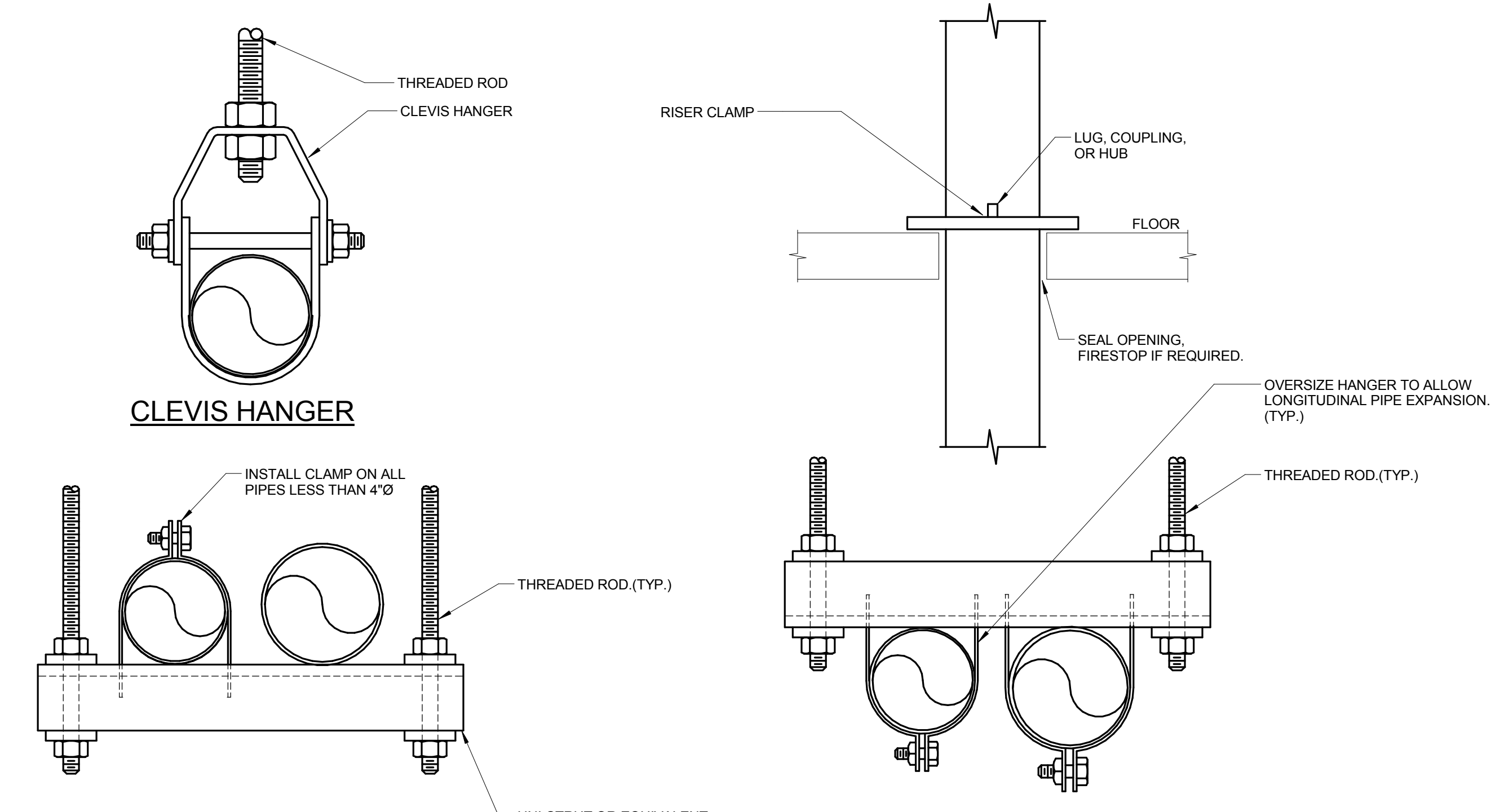


**2 SPRINKLER HEAD MOUNTING DETAIL**  
 NO SCALE



**3 PIPE THROUGH NON-FIRE RATED WALL**  
 NO SCALE

- NOTES:**
1. THIS DETAIL APPLIES TO ALL PIPES. THE INTENTION IS TO SEAL AIRTIGHT AROUND PIPES FOR NOISE TRANSMISSION CONTROL.
  2. FLOOR OPENINGS ARE SIMILAR SEE SPECIFICATION SECTION 21 05 29 - PLUMBING FOR DIFFERENCES BETWEEN FLOOR AND WALL PENETRATIONS.
  3. SEE SPECIFICATION SECTIONS SECTION 21 05 03 - FIRE PROTECTION FOR ADDITIONAL INFORMATION.



**4 PIPE SUPPORT DETAIL**  
 NO SCALE

- NOTES:**
1. REFER TO SPECIFICATION SECTION 21 05 29.

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**FIRE PROTECTION  
 RISER DIAGRAM &  
 DETAILS**

SHEET NUMBER:  
**FP3.00**

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT #: 14044.00  
 DESIGN FIRM REGISTRATION #18-08073

**KJWW ENGINEERING** RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3





ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

**FIRE PROTECTION SCHEDULE GENERAL NOTES**

THE SYMBOLS AND THE MATERIAL LIST ARE FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL VERIFY QUANTITIES AND FURNISH ALL MATERIALS REQUIRED FOR FULLY OPERATIONAL SYSTEMS, WHETHER SPECIFIED OR NOT.

CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE, BUT ARE GIVEN AS AN AID TO THE CONTRACTOR AND TO INDICATE THE QUALITY REQUIRED. CONTRACTOR IS RESPONSIBLE FOR COMPLETE DESCRIPTION OF MATERIAL ON THESE DRAWINGS AND IN THE SPECIFICATIONS BEFORE ORDERING. THE DESCRIPTION OF THE MATERIAL TAKES PRECEDENCE OVER THE CATALOG NUMBER. THE FIRST MANUFACTURER IS THE BASIS OF DESIGN.

FIRE SPRINKLER USAGE SCHEDULE								
AREA TYPE (NOTE 1 & 5)	AREA HAZARD	SPRINKLER					MANUFACTURER & MODEL	REMARKS
		SYMBOL (NOTES 3 & 4)	TYPE	RESPONSE	FINISH	TEMPERATURE °F		
AREAS WITHOUT FINISHED CEILING	SEE PLANS	SPR-1	PENDENT	QUICK	ROUGH BRASS	155	VIKING VK, RELIABLE F1FR, TYCO TY-FRB, VICTAULIC V2708	NOTES 2, 6
AREAS WITHOUT FINISHED CEILING	SEE PLANS	SPR-2	UPRIGHT	QUICK	ROUGH BRASS	155	VIKING VK, RELIABLE F1FR, TYCO TY-FRB, VICTAULIC V2704	NOTES 2, 6
AREAS WITH FINISHED CEILING	SEE PLANS	SPR-3	CONCEALED	QUICK	WHITE	155	VIKING VK, RELIABLE GAA, TYCO RTI, VICTAULIC V2802	NOTE 2
ELEVATOR PIT	SEE PLANS	SPR-4	SIDEWALL	QUICK	ROUGH BRASS	200	VIKING VK, RELIABLE F1FR, TYCO TY-FRB, VICTAULIC V2710	NOTE 2

- NOTES:**
- REFER TO FLOOR PLANS FOR ZONING REQUIREMENTS.
  - ALL SPRINKLERS SHALL BE UL LISTED.
  - CONTRACTOR TO VERIFY SPRINKLER REQUIREMENTS BASED ON ACTUAL INSTALLATION, USAGE, ARCHITECTURAL CEILING PLAN AND NFPA 13 REQUIREMENTS.
  - SYMBOL IS PRIMARILY FOR IDENTIFYING SPRINKLERS IN SUBMITTALS. IT MAY OR MAY NOT BE FOUND ELSEWHERE ON THE DRAWINGS. CONTRACTOR TO SUBMIT ALL SPRINKLER TYPES TO BE USED.
  - AREAS ARE GENERAL IN NATURE. CONTRACTOR TO MATCH UNSCHEDULED AREAS TO SIMILAR SPACES.
  - CONTRACTOR SHALL PROVIDE SPRINKLER HEAD WITH CORROSION RESISTANT COATING FOR JANITOR'S CLOSETS.

FIRE PROTECTION MATERIAL LIST		
TAG NAME	DESCRIPTION	MANF. & MODEL
ADV-1	AUTOMATIC DRIP VALVE, 175 PSI WP, BRASS BAR, BERYLLIUM COPPER SPRING AND RETAINING RING, CLOSING PRESSURE 7 PSI WITH INCREASING PRESSURE. OPENING PRESSURE 5 PSI WITH DECREASING PRESSURE, 1/2" NPT INLET AND 1/4" NPT DRAIN OUTLET.	VIKING B-1, TYCO AD-1, RELIABLE C.
AV-1	ANGLE VALVE, 1/2" TO 2", 175 PSI, BRONZE BODY, INTEGRAL SEAT, SOFT DISC, HANDWHEEL, THREADED, UL.	UNITED 126S UL, NIBCO KT-67-UL, T-301-W, KENNEDY 98 SD, FFP1
BF-1	2" TO 12" BUTTERFLY VALVE, 175 PSI WP, LUGGED OR GROOVED TYPE, IRON BODY, ALUMINUM BRONZE OR EPDM COATED IRON DISC, STAINLESS STEEL STEM AND SCREWS, EPDM SEAT, INTEGRAL MONITOR SWITCH, RATED FOR DEAD END SERVICE, UL LISTED.	2" TO 12" GEM, TYCO, KENNEDY, NIBCO, VICTAULIC, KENNEDY, ANVILSTAR
	1" TO 2-1/2" SLOW CLOSE BUTTERFLY VALVE, 175 PSI WP, BRONZE BODY, TYPE 304 STAINLESS STEEL ELASTOMER COATED DISK, SLOW CLOSE MANUAL OPERATOR WITH INTEGRAL TAMPER SWITCH, GROOVED OR THREADED ENDS, UL LISTED.	1" TO 2-1/2" MILWAUKEE BB-SCS OR APPROVED EQUAL.
BFP-1	DOUBLE CHECK BACKFLOW PREVENTER WITH SPRING LOADED CHECK VALVES, CAST IRON CONSTRUCTION, WITH BRONZE, PLASTIC OR STAINLESS STEEL INTERNAL PARTS AND STAINLESS STEEL SPRINGS, OS&Y RISING STEM, SHUTOFF GATE VALVES ON BOTH SIDES OF CHECK VALVES. UNITS SHALL INCLUDE FOUR TEST COCKS WITH SHUT-OFF VALVES AND SHALL BE BACKFLOW TESTED AT THE FACTORY, RATED FOR 175 PSI AT 33 DEGREES F TO 140 DEGREES F. MAXIMUM PRESSURE DROP 8 PSI AT 10 FPS REGARDLESS OF SIZE. FLOW PRESSURE DROP CURVES SHALL BE SUBMITTED. ALL PARTS TO BE SERVICEABLE WITHOUT REMOVING UNIT FROM LINE. APPROVED BY USC FCCC & HR, AWWA C510-92, ASSE 1015, IAPMO AND SBCCI LISTED, UL LISTED.	WATTS SERIES 007 & 709, CONBRACO SERIES 40-100, FESCO 850, WILKINS 950XL & 350
CK-1	2-1/2" TO 12" SWING CHECK VALVE, 175 PSI WP, FLANGED OR GROOVED, IRON BODY, BRONZE MOUNTED, BRONZE SEAT RING AND RUBBER CLAPPER FACING, SWING TYPE, UL LISTED.	2-1/2" TO 12" VIKING D-1/G-1, TYCO CV-1F, RELIABLE D OR G, KENNEDY 128A OR 426, ANVILSTAR 78FP TYCO CV-2, RELIABLE D OR G, KENNEDY 128A OR 426
	1/2" TO 2" CHECK VALVE, 250 PSI WP, THREADED OR GROOVED, BRASS BODY, BRASS SEAT AND RUBBER CLAPPER FACING, SPRING LOADED IN-LINE TYPE, UL LISTED.	1-1/2" TO 2" VIKING L-1K-1
EB-1	ELECTRIC BELL, 10" GONG SIZE, MINIMUM UL SPHERICAL 4B MEASUREMENT OF 81, 120 VOLT AC, STEEL GONG, DIECAST ALUMINUM BASE, WIRED FINISH.	POTTER PBA12, JOHNSON FIRE & SPECIAL TIES FARR LARM SERIES 3300
FDC-1	EXPOSED FIRE DEPT. INLET CONNECTION, POLISHED CHROME PLATED TWO-WAY INLET BODY WITH DROP CLAPPERS, PIN LUG SWIVELS, KNOX STAINLESS STEEL LOCKING FDC CAPS WITH MATCHING THREADS AND CHROME FINISH, POLISHED CHROME PLATED WALL PLATE LABELED "AUTO. SPR." 4" X 2-1/2" X 2-1/2", UL THREADS TO MATCH LOCAL FIRE DEPARTMENT.	POTTER-ROEMER 5750 SERIES, CROKER 6430 SERIES, GUARDIAN 6124, ELKHART 156.
	CONTRACTOR TO COORDINATE PURCHASE OF KNOX LOCKING CAP WITH LOCAL FIRE DEPARTMENT.	
FS-1	FLOW SWITCH, VANE TYPE FOR USE ON WET PIPE SPRINKLER SYSTEM TO DETECT A MINIMUM FLOW OF 10 GPM, TWO SINGLE POLE DOUBLE THROW SWITCHES WITH PNEUMATIC RETARD ADJUSTABLE FROM 0.90 SECONDS WITH AUTOMATIC RESET, TAMPER RESISTANT METAL HOUSING, UL LISTED.	SYSTEM SENSOR WFD SERIES, POTTER ELECTRIC VSRF
IT-1	1" INSPECTOR'S TEST AND DRAIN VALVE WITH INTEGRAL SIGHT GLASS, BALL VALVE WITH INTEGRAL LABELED PLATE SHOWING OFF-TEST-DRAIN POSITIONS, FURNISHED WITH TEST ORIFICE GIVING FLOW EQUIVALENT TO ONE SPRINKLER OF A TYPE HAVING THE SMALLEST ORIFICE INSTALLED ON THE SYSTEM, UL.	RELIABLE B W1" BALL VALVE, TYCO F350 AGF MODEL 1000
MS-1	MONITOR SWITCH - ELECTRIC, ONE SINGLE POLE, DOUBLE THROW CONTACT, CAST ALUMINUM HOUSING WITH CORROSION RESISTANT PARTS, WITH J-BOLTS FOR MOUNTING, UL/FM VERIFY ELECTRICAL CHARACTERISTICS WITH ELECTRICAL CONTRACTOR PRIOR TO PURCHASE.	POTTER ELECTRIC OSYSU-1 SYSTEM SENSOR OSY2

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM  
 THE FUTURE IS SMARTER!  
 PROJECT #: 14044.00  
 Illinois Design Firm Registration #18-08073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA DERIVED THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3

KEY PLAN:

SHEET STATUS: 7/17/15  
**BID PACKAGE 2**  
**ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**FIRE PROTECTION**  
**MATERIAL LIST**

SHEET NUMBER:  
**FP4.00**

**GENERAL TECHNOLOGY NOTES:**

- "1/13.00" INDICATES DETAIL NUMBER / SHEET NUMBER
- "SC-IO-W" INDICATES GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ITEM LABELED AS "EQUIPMENT LIST ABBREVIATION"
- A SLASH IS USED BETWEEN TWO SUBSCRIPTS, I.E. A/H
- REFER TO THE GENERAL TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR FULL DESCRIPTIONS AND MANUFACTURERS OF ALL DEVICES
- Ⓢ INDICATES KEYED NOTES USED TO DESCRIBE ADDITIONAL INFORMATION OF WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL IT IS SHOWN WITH.

**FROM FINISHED FLOOR TO CENTERLINE MOUNTING SUBSCRIPT KEY:**

- TECHNOLOGY OUTLETS**
- A MOUNT ABOVE COUNTER (+4" TO CENTERLINE ABOVE COUNTER OR BACKSPASH)
  - L MOUNT IN LAB CASEWORK
  - H MOUNT HORIZONTAL

**ABBREVIATION KEY:**

- C TECHNOLOGY CONTRACTOR
- AV-C AUDIOVISUAL CONTRACTOR
- E-C ELECTRICAL CONTRACTOR
- M-C MECHANICAL CONTRACTOR
- G-C GENERAL CONTRACTOR
- AF-F ABOVE FINISH FLOOR
- BF-C BELOW FINISHED CEILING
- C CONDUIT
- SM SIMILAR
- TY TYPICAL
- +H# MOUNTING HEIGHT ABOVE FINISHED FLOOR
- J-BOX JUNCTION BOX

**TELECOM ROOM ABBREVIATION KEY:**

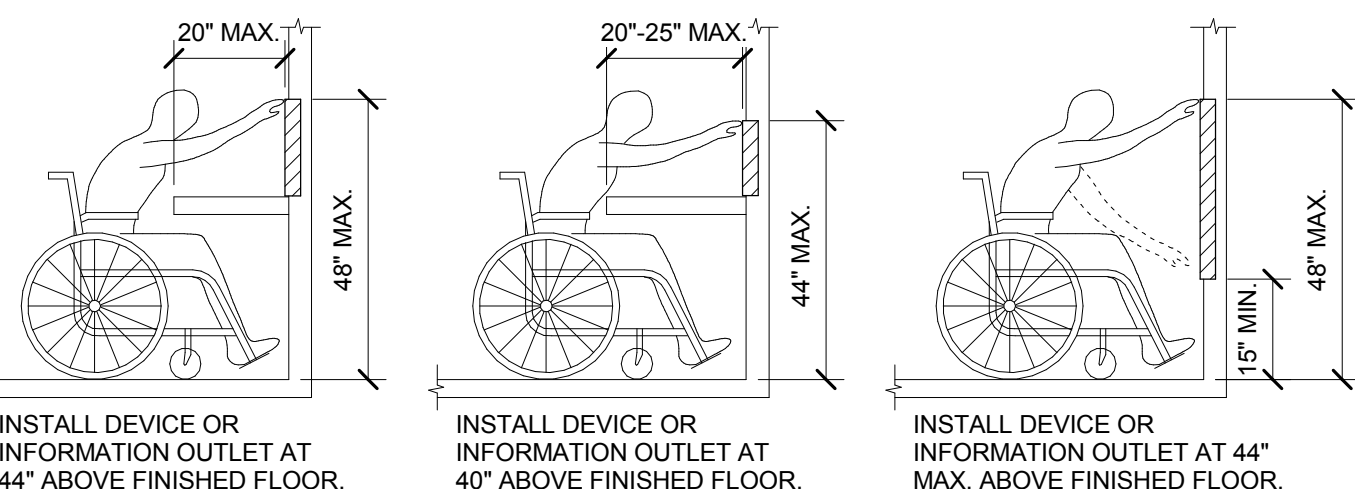
- EF-# ENTRANCE FACILITY
- HC-# HORIZONTAL CROSS-CONNECT
- IC-# INTERMEDIATE CROSS-CONNECT
- MC-# MAIN CROSS-CONNECT
- TR-# TELECOMMUNICATIONS ROOM

**LINE TYPE KEY:**

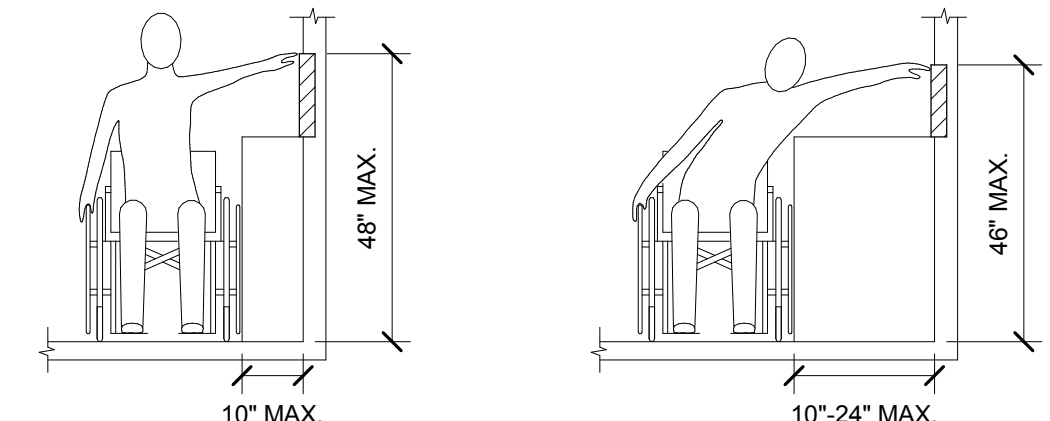
- NEW WORK BY THIS CONTRACTOR (DARK SOLID LINE)
- NEW WORK UNDER FLOOR OR UNDERGROUND BY THIS CONTRACTOR (DARK LONG DASHED LINE)
- NEW WORK BY OTHERS, AND/OR EXISTING TO REMAIN (LIGHT SOLID LINE)
- EXISTING TO BE REMOVED BY THIS CONTRACTOR (DARK SHORT DASHED LINE)

**TECHNOLOGY INSTALLATION NOTES:**

- THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN. REFER TO THE ADA REQUIREMENTS FOR ALL CONFIGURATIONS DETAIL ON THIS PAGE FOR ADDITIONAL INFORMATION.
- CONCEAL ALL CONDUIT IN WALLS, PARTITIONS, ABOVE CEILING, AND IN FLOOR SLAB, ETC. UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIFICATIONS. CONDUIT IN MECHANICAL ROOMS, AND STORAGE ROOMS WITHOUT CEILINGS MAY BE EXPOSED ON BUILDING STRUCTURE.
- BOXES LOCATED ON OPPOSITE SIDES OF NON-RATED WALLS SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALLY. BOXES ON OPPOSITE SIDES OF FIRE RATED WALLS SHALL BE OFFSET A MINIMUM OF 24" HORIZONTALLY. "THRU-THE-WALL" BOXES SHALL NOT BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
- CONTRACTOR SHALL VERIFY ALL FURNITURE, MODULAR FURNITURE AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS AND REVIEWED SHOP DRAWINGS. PRIOR TO MAKING THE ACTUAL TELECOMMUNICATIONS INSTALLATION THIS CONTRACTOR SHALL ADJUST OUTLETS OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND/OR EQUIPMENT.
- TELECOMMUNICATIONS EQUIPMENT SHALL BE MOUNTED TO ALLOW ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF TELECOMMUNICATION DEVICES ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
- ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS. REFER TO 27 05 03 AND 28 05 03.
- CONTRACTOR SHALL REMOVE AND REINSTALL ALL CEILING TILES AS REQUIRED FOR THE EXECUTION OF TELECOMMUNICATIONS WORK THAT IS OUTSIDE THE CONTRACT LIMITS OF CONSTRUCTION. CONTRACTOR SHALL REPLACE CEILING TILES WITH IDENTICAL MATERIAL WHERE DAMAGED BY THIS CONTRACTOR.
- FIRESTOPPING REFERS TO THE ITEMS SPECIFICALLY ADDRESSED IN DIVISION 27 AND 28 DOCUMENTS. REFER TO THE INDIVIDUAL SPECIFICATION SECTIONS FOR INFORMATION SPECIFIC TO FIRESTOPPING.
- ALL "LADDER RACK" AND "CABLE TRAY" SIZES ARE AS DEFINED ON THE DRAWINGS. REFER TO SPECIFICATIONS SECTION 27 05 28 AND 27 11 00 FOR APPROVED MANUFACTURERS AND INSTALLATION REQUIREMENTS.



ADA GUIDELINES - FRONT ACCESS



ADA GUIDELINES FOR ALL CONFIGURATIONS

**SUGGESTED MATRIX OF SCOPE RESPONSIBILITY**

ITEM:	SHOWN ON:	FURNISHED BY:	INSTALLED BY:	NOTES:
TECHNOLOGY ROUGH-IN, REFER TO GENERAL TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR DEFINITION.	T-SERIES	E.C.	E.C.	3, 4.
INFORMATION OUTLET FACEPLATES, JACKS, AND TERMINATIONS	T-SERIES	T.C.	T.C.	
CONDUIT SLEEVES (WHEN SHOWN ON DRAWINGS)	T-SERIES	E.C.	E.C.	
CONDUIT SLEEVES (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)	N/A	T.C.	T.C.	2, 4.
TELECOMMUNICATION SYSTEMS ROUGH-IN	T-SERIES	E.C.	E.C.	1.
TELECOMMUNICATION EQUIPMENT, CABLEING, AND TERMINATIONS	T-SERIES	T.C.	T.C.	
CABLE TRAY (INCLUDING WIRE BASKET TRAY) REFER TO SPECIFICATION SECTION 27 05 28 FOR DEFINITION	T-SERIES	E.C.	E.C.	
LADDER RACK	T-SERIES	T.C.	T.C.	5.
GROUNDING LUGS ON TECHNOLOGY EQUIPMENT	T-SERIES	T.C.	E.C.	6.
BONDING SYSTEM FOR TECHNOLOGY SYSTEM, REFER TO SPECIFICATION SECTION 27 05 26 FOR DEFINITION	T-SERIES	E.C.	E.C.	7, 8.
CONNECTION OF TECHNOLOGY BONDING SYSTEM TO THE ELECTRICAL GROUND SYSTEM	T-SERIES	E.C.	E.C.	
LINE VOLTAGE POWER (+120V OR GREATER)	E-SERIES	E.C.	E.C.	
LINE VOLTAGE POWER (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)	N/A	T.C.	E.C.	2, 4.
LINE VOLTAGE POWER FOR DOOR HARDWARE POWER SUPPLIES	ARCH SPEC	E.C.	E.C.	
LOW VOLTAGE CABLING FOR TECHNOLOGY SYSTEMS	T-SERIES	T.C.	T.C.	
CABLE HANGERS AND SUPPORTS OR OTHER CABLE ROUTING METHODS (OTHER THAN CONDUIT AND CABLE TRAY)	T-SERIES	T.C.	T.C.	5.
TECHNOLOGY SERVICE ENTRANCE CONDUITS, HANDHOLES, AND MANHOLES	EIT-SERIES	E.C.	E.C.	
FLOOR BOX (ROUGH-IN)	T & E SERIES	E.C.	E.C.	

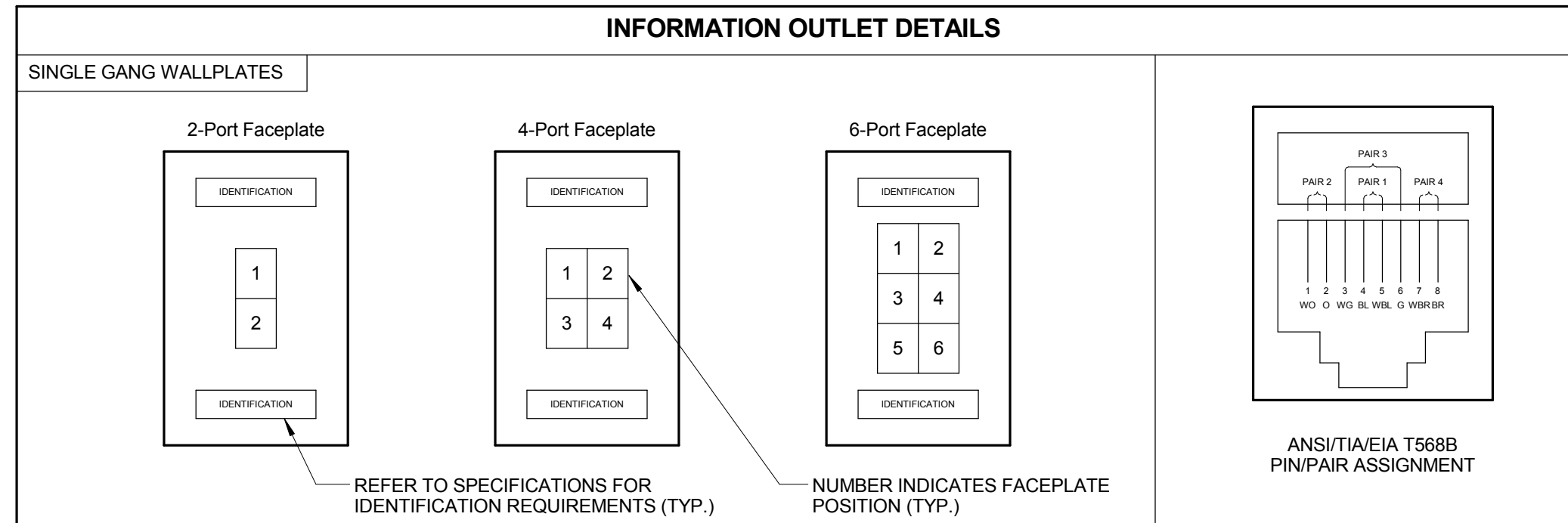
**SUGGESTED MATRIX OF SCOPE RESPONSIBILITY NOTES**

- LOCATIONS OF TELECOMMUNICATIONS ROUGH-INS SHALL BE INDICATED BY THE INFORMATION OUTLET SYMBOLS ON THE CONTRACT DOCUMENTS. REFER TO THE TECHNOLOGY SYMBOL LIST FOR ADDITIONAL INFORMATION.
- BASED ON THE INHERENT DIFFERENCES IN PRODUCTS FROM VARIOUS MANUFACTURERS, ALL REQUIRED EQUIPMENT MAY NOT BE SHOWN ON THE DRAWINGS FOR ALL ACCEPTABLE MANUFACTURERS.
- INCLUDES BACKBOXES AND CONDUIT REQUIRED FOR THE TECHNOLOGY SYSTEMS INSTALLATION. THE E.C. SHALL BASE THE BID ON THE BASIS OF DESIGN SHOWN ON THE CONTRACT DOCUMENTS.
- ALL CHANGES TO THE SLEEVES, BACKBOXES, CONDUITS, AND POWER REQUIRED BECAUSE OF THE T.C.'S SELECTION OF AN ALTERNATE ACCEPTABLE MANUFACTURER (OR FROM SYSTEM CONFIGURATIONS THAT ARE LEFT TO THE CHOICE OF THE CONTRACTOR) SHALL BE INCLUDED IN THE T.C.'S BID. THIS BID SHALL INCLUDE INSTALLATION BY A LICENSED ELECTRICIAN.
- UNLESS TRADE RULES DICTATE OTHERWISE.
- FURNISHED AS PART OF THE EQUIPMENT WHEN POSSIBLE, OR FURNISHED TO THE E.C. FOR INSTALLATION IN THE FIELD.
- INCLUDES ALL CONDUCTORS, GROUND BARS, AND TERMINATIONS FOR THE COMPLETE BONDING SYSTEM REQUIRED BY THE SPECIFICATIONS.
- REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS OF PANELS AND SWITCHBOARDS SHOWN IN THE TECHNOLOGY BONDING RISER DIAGRAM AND TYPICAL TELECOM ROOM BONDING FLOW DIAGRAM.

**TELECOM ROOM REFERENCES**

TELECOM ROOM	DETAIL / SHEET REFERENCE	FLOOR PLAN REFERENCE	ARCH ROOM NUMBER
HC-1	5/73.00	T1.13	1108C
HC-2	1/73.00	T1.21	2103

**INFORMATION OUTLET DETAILS**



**INFORMATION OUTLET SCHEDULE LEGEND**

JACK TYPE	IO SCHEDULE DESCRIPTION
DATA	CAT 6 RJ-45
TV	I-F-CONNECTOR

**INFORMATION OUTLET SCHEDULE**

NOTE: REFER TO THE INFORMATION OUTLET SCHEDULE LEGEND FOR POSITION JACK TYPE DESCRIPTION, THE INFORMATION OUTLET DETAILS AND T7.00 GENERAL TECHNOLOGY EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.

CONFIGURATION	FACEPLATE PORTS	FACEPLATE FEATURES												SCHEDULE NOTES		
		POSITION 1 JACK TYPE	POSITION 2 JACK TYPE	POSITION 3 JACK TYPE	POSITION 4 JACK TYPE	POSITION 5 JACK TYPE	POSITION 6 JACK TYPE	POSITION 7 JACK TYPE	POSITION 8 JACK TYPE	POSITION 9 JACK TYPE	POSITION 10 JACK TYPE	POSITION 11 JACK TYPE	POSITION 12 JACK TYPE			
C1	2	DATA	BLANK													
C1-1	2	DATA	BLANK													
C1-C	0	DATA														2.
C2	2	DATA	DATA													
C2-WAP	0	DATA	DATA													1.
C3	4	DATA	DATA	DATA	BLANK											
C4	4	DATA	DATA	DATA	DATA											
C8	6	DATA	DATA	DATA	DATA	DATA										
DS	2	DATA	TV													

**NOTES:**

- PROVIDE REMOVABLE BLANK INSERT FOR UNUSED PORTS (PANDUIT CMB SERIES OR PREAPPROVED EQUAL).
- COORDINATE WITH OWNER FOR LABELING STANDARD. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. SEE PLANS FOR DEVICE QUANTITIES AND LOCATION.
- JACKS SHALL BE CONFIGURED FOR ANSI/TIA/EIA T568B REQUIREMENTS.
- REFER TO T3.00 FOR CONNECTIVITY RISER DIAGRAMS.

**SCHEDULE NOTES:**

- LOCATION OF FUTURE WIRELESS ACCESS POINT, CONTRACTOR SHALL TERMINATE CABLES ON 8P8C RJ-45 PLUG FOR DIRECT CONNECTION DEVICE, PROVIDE A 20' SLACK COIL AT NEAREST CABLE SUPPORT FOR POSSIBLE RELOCATION BY OWNER.
- CONTRACTOR SHALL TERMINATE CABLES ON 8P8C RJ-45 PLUG FOR DIRECT CONNECTION TO FUTURE CCTV CAMERA. PROVIDE 20' SLACK AT NEAREST CABLE SUPPORT FOR POSSIBLE RELOCATION BY OWNER.

**TECHNOLOGY SYMBOL LIST**

SYMBOL	EQUIPMENT LIST ABBREVIATION	DESCRIPTION	NOTES:
CR1	AC-CR1-W	CREDENTIAL READER - TYPE 1 (ROUGH-IN ONLY)	3, 6.
CS	AC-CSS	CONTROLLED SECURITY SCHEME SCHEDULE IDENTIFIER	3, 6.
SP1 #	AV-SP1-C	PERFORMANCE AUDIO SPEAKER (CEILING) - TYPE 1	5.
SP2 #	AV-SP2-C	PERFORMANCE AUDIO SPEAKER (CEILING) - TYPE 2	5.
SP3 #	AV-SP3-C	PERFORMANCE AUDIO SPEAKER (CEILING) - TYPE 3	5.
PRO	AV-PRO-2	PROJECTOR	
ANT	AV-ANT-C	UHF ACTIVE DIRECTIONAL ANTENNA (CEILING)	
ANT2	AV-ANT-2	ASSISTIVE LISTENING CEILING MOUNTED ANTENNA	
WP1	AV-WP1-C	AV WALL PLATE (CEILING) - TYPE 1	
WP1	AV-WP1-W	AV WALL PLATE (WALL) - TYPE 1	
WP2	AV-WP2-W	AV WALL PLATE (WALL) - TYPE 2	
WP3	AV-WP3-W	AV WALL PLATE (WALL) - TYPE 3	
WP4	AV-WP4-W	AV WALL PLATE (WALL) - TYPE 4	
WP5	AV-WP5-W	AV WALL PLATE (WALL) - TYPE 5	
WP6	AV-WP6-W	AV WALL PLATE (WALL) - TYPE 6	
WP7	AV-WP7-W	AV WALL PLATE (WALL) - TYPE 7	
C1	CC-C1-W	CLOCK (WALL) - TYPE 1	
S1	AV-S1-C	AUDIO SPEAKER - TYPE 1 (CEILING)	
S3	AV-S3-C	AUDIO SPEAKER - TYPE 3 (CEILING)	
VC1	AV-VC1-W	VOLUME CONTROL WITH INPUT	
EP	IC-EP-W	EMERGENCY PHONE - WALL	
IO-C	SC-IO-C	INFORMATION OUTLET (CEILING)	1, 2.
IO-W	SC-IO-W	INFORMATION OUTLET (WALL)	1, 2.
IO-R	SC-IO-R	INFORMATION OUTLET ROUGH-IN (WALL)	
W	SC-WP-W	WALL PHONE	
IO-FB	SC-IO-FB	ELECTRICAL FLOOR BOX WITH TECHNOLOGY	1, 2, 4.
CAM	AV-CAM-1	AV CAMERA WALL PLATE	6.

**GENERAL NOTES:**

- ALL SYMBOLS AND ABBREVIATIONS LISTED MAY NOT BE APPLICABLE TO THIS PROJECT. REFER TO THE GENERAL TECHNOLOGY EQUIPMENT SCHEDULE FOR MORE COMPLETE DESCRIPTION AND ITEMS.
- ALL SYMBOLS AND ABBREVIATIONS REFER TO TECHNOLOGY SHEETS ONLY AS DEFINED ON THE SHEET INDEX. REFER TO THE GENERAL TECHNOLOGY NOTES FOR ADDITIONAL INFORMATION.
- ALL SYMBOLS LISTED ABOVE ARE FOR REFERENCE ONLY. REFER TO PLANS AND LINE TYPES KEY FOR NEW, EXISTING TO REMAIN AND TO BE REMOVED ITEMS FOR ADDITIONAL INFORMATION.

**TECHNOLOGY SYMBOL NOTES:**

- \*CF INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION. REFER TO INFORMATION OUTLET SCHEDULE ON T0.00 FOR ADDITIONAL INFORMATION.
- SYMBOL SUBSCRIPT INDICATES DEVICE TYPE. REFER TO EQUIPMENT SCHEDULE ON T7.00 FOR ADDITIONAL INFORMATION.
- REFER TO CONTROLLED SECURITY SCHEME (CSS) TYPE SCHEDULE ON T5.00 FOR ADDITIONAL INFORMATION.
- INFORMATION OUTLET INSTALLED IN E.C. PROVIDED FLOOR BOX. \*CF INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION. REFER TO INFORMATION OUTLET SCHEDULE ON T0.00 FOR ADDITIONAL INFORMATION. REFER TO THE ELECTRICAL FLOOR PLANS AND ELECTRICAL EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
- SYMBOL SUBSCRIPT INDICATES PAGING ZONE.
- ROUGH-IN AND CABLING ONLY. COORDINATE EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLAN PRIOR TO ROUGH-IN.

**TECHNOLOGY SHEET INDEX**

NO.	DESCRIPTION:	DATE:
T0.00	TECHNOLOGY COVER SHEET	
T0.01	TECHNOLOGY SITE PLAN	
T1.11	LEVEL 1 PLAN - AREA 1 - TECHNOLOGY	
T1.12	LEVEL 1 PLAN - AREA 2 - TECHNOLOGY	
T1.13	LEVEL 1 PLAN - AREA 3 - TECHNOLOGY	
T1.21	LEVEL 2 PLAN - AREA 1 - TECHNOLOGY	
T1.22	LEVEL 2 PLAN - AREA 2 - TECHNOLOGY	
T1.23	LEVEL 2 PLAN - AREA 3 - TECHNOLOGY	
T1.40	ALTERNATE PLANS - TECHNOLOGY	
T3.00	ENLARGED PLANS - TECHNOLOGY	
T3.01	ENLARGED PLANS - TECHNOLOGY	
T4.00	TECHNOLOGY DETAILS	
T5.00	TECHNOLOGY RISER DIAGRAMS	
T6.00	TECHNOLOGY FLOW DIAGRAM	
T7.00	TECHNOLOGY EQUIPMENT SCHEDULE	

**KJW ENGINEERING CONSULTANTS**  
1100 WARRENVILLE ROAD, SUITE 400W  
NAPERVILLE, ILLINOIS 60563  
630.627.2320 FAX: 630.627.2321  
www.kjw.com

**KJW ENGINEERING CONSULTANTS**  
1100 WARRENVILLE ROAD, SUITE 400W  
NAPERVILLE, ILLINOIS 60563  
630.627.2320 FAX: 630.627.2321  
www.kjw.com

REFERENCE SCALE IN INCHES



ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
125 N. HALSTED STREET, SUITE 301  
CHICAGO, IL 60661  
P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
1100 WARRENVILLE RD. SUITE 400W  
NAPERVILLE, IL 60563  
P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
2174 ONEDA ST.  
JOLIET, IL 60435  
P: 815.744.6600

**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
1215 HOUBOLT ROAD, JOLIET, IL 60431  
DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 7/17/15  
**BID PACKAGE 2**  
**ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**TECHNOLOGY**  
**COVER SHEET**

SHEET NUMBER:

**T0.00**

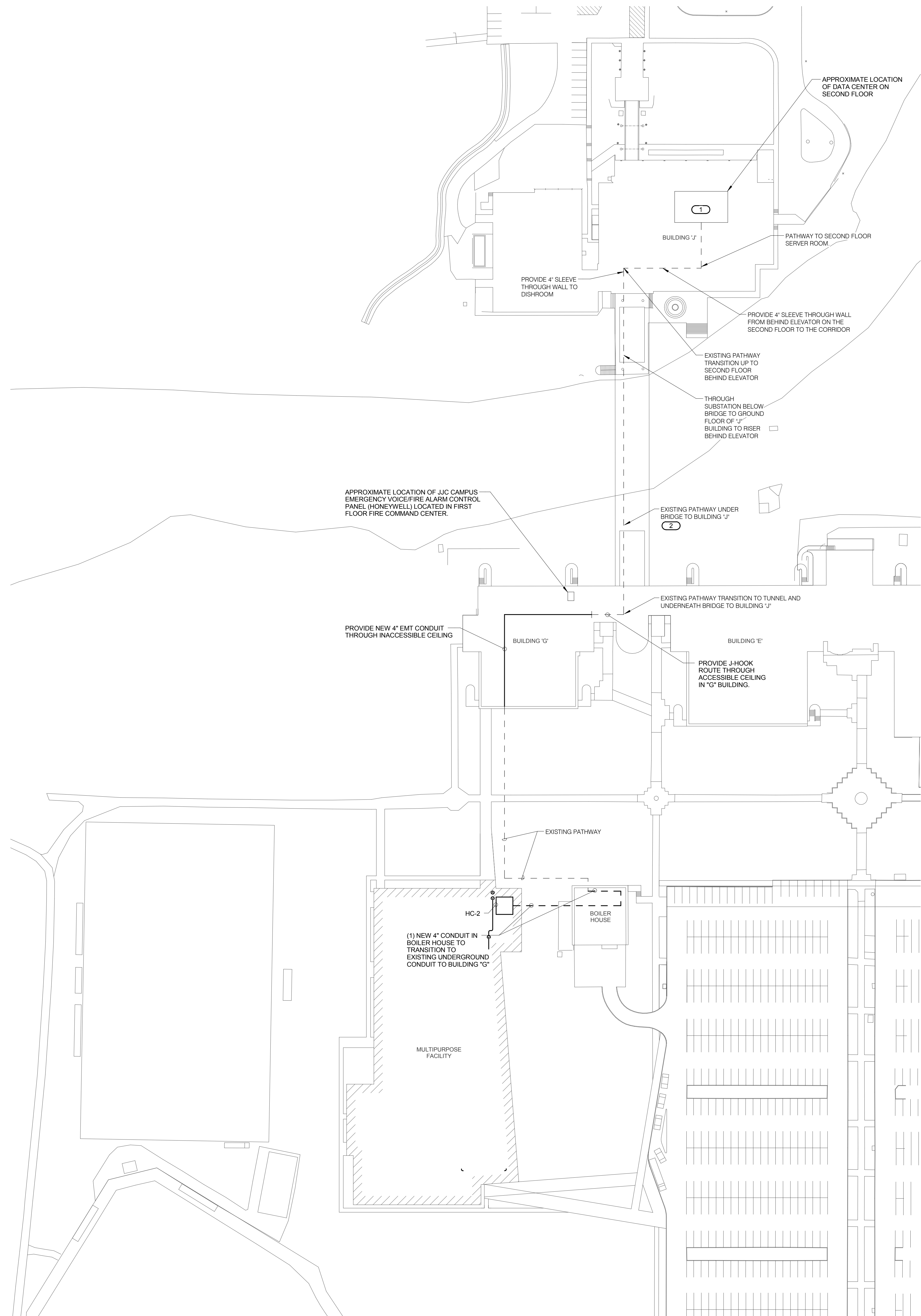


ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

- KEYNOTES:**
- COORDINATE WITH JJC IT DEPARTMENT TERMINATION OF 24 SM FIBER OPTIC STRANDS IN EXISTING CLOSET. CONTRACTOR SHALL VERIFY EXACT DISTANCE IN FIELD.
  - COORDINATE WITH JJC IT DEPARTMENT FOR AVAILABLE EMPTY CONDUIT WITH PULL STRING UNDER BRIDGE FOR INSTALLATION OF FIBERS.



**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**TECHNOLOGY SITE  
 PLAN**

SHEET NUMBER:

**T0.01**

**1 TECHNOLOGY SITE PLAN**  
 1" = 60'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**THE FUTURE IS SMARTER!**  
 Project # 14-004-00  
 Illinois Design Firm Registration #18-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3







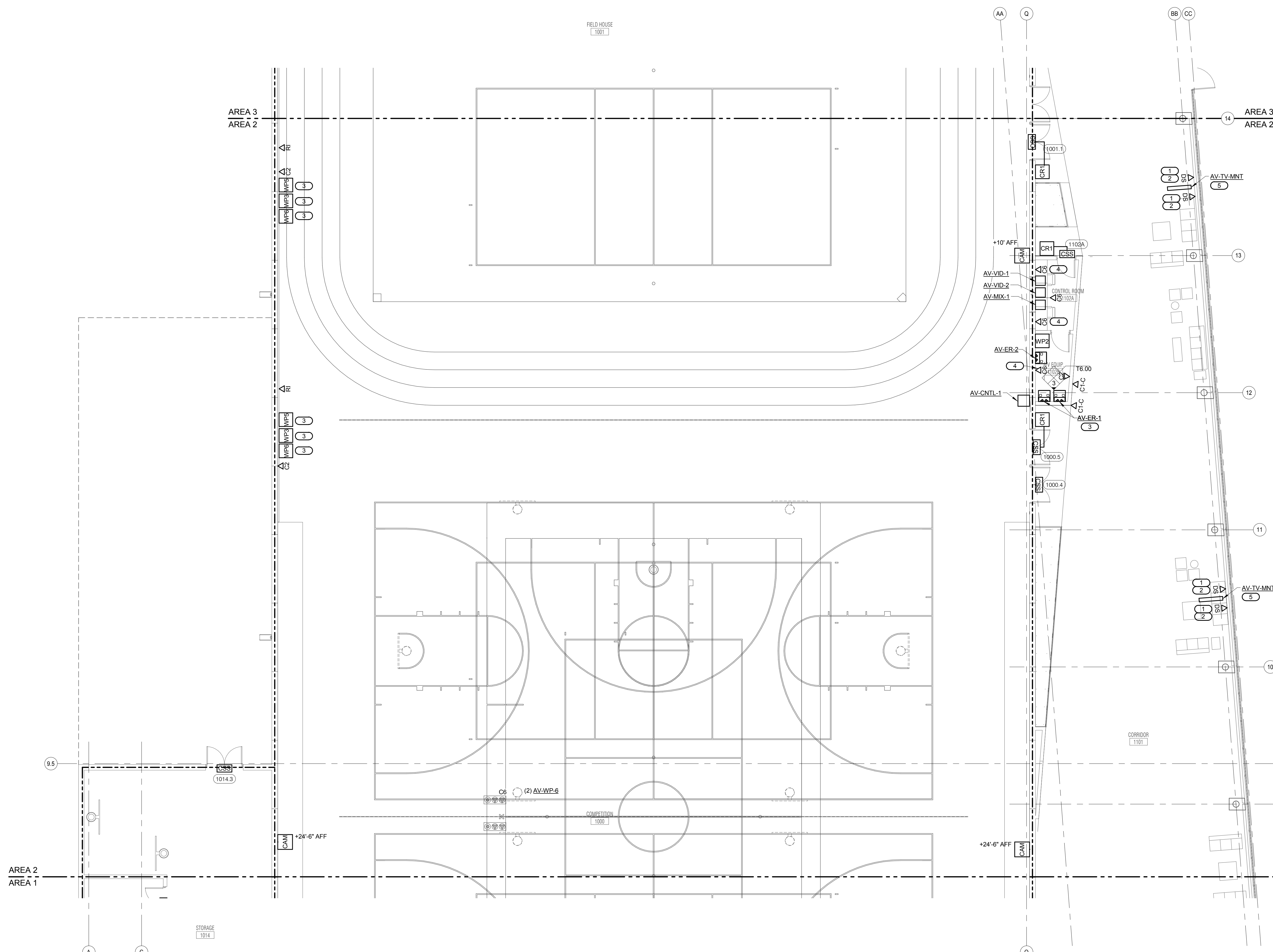
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD, SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

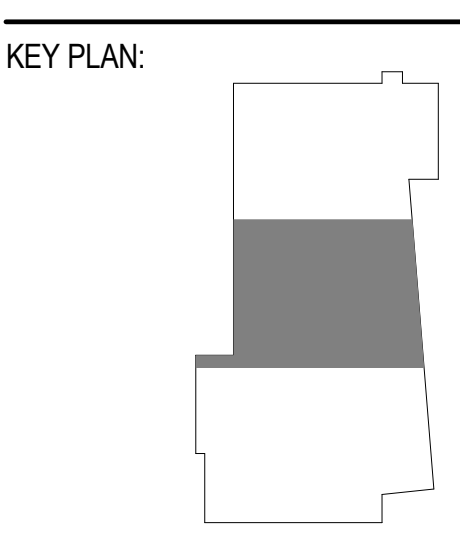
- GENERAL SHEET NOTES :**
1. ALL INFORMATION OUTLETS ON THIS SHEET SHALL BE FED FROM HC-1 UNLESS OTHERWISE NOTED.
  2. REFER TO 7.00 FOR TECHNOLOGY EQUIPMENT SCHEDULE.
  3. ALL PROJECTORS AND FLAT PANEL MONITORS ARE OWNER FURNISHED CONTRACTOR INSTALLED.
  4. COORDINATE ALL CCTV CAMERA ROUGH-INS WITH COLLEGE PRIOR TO INSTALLATION. REFER TO ARCHITECTS ELEVATIONS AND REFLECTED CEILING PLANS FOR EXACT MOUNTING HEIGHTS OF DEVICES.

- KEYNOTES: (#)**
1. COORDINATE WITH ARCHITECTURAL ELEVATION PRIOR TO ROUGH-IN.
  2. OWNER FURNISHED CONTRACTOR INSTALLED MONITOR.
  3. REFER TO 1176.00 FIELD HOUSE AV FLOW DIAGRAM FOR ADDITIONAL INFORMATION.
  4. MOUNT IN EC PROVIDED SURFACE MOUNTED RACEWAY.
  5. AV-TV-MNT PROVIDED AND INSTALLED BY CONTRACTOR. COORDINATE WITH ARCHITECT FOR CONNECTION TO BUILDING STRUCTURE. PROVIDE COMPLETE CONDUIT THROUGH RIBBON TO HC-1.



**1 LEVEL 1 PLAN - AREA 2 - TECHNOLOGY**  
 1/8" = 1'-0"

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1 PLAN - AREA  
 2 - TECHNOLOGY**

SHEET NUMBER:  
**T1.12**

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**W W ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

PROJECT # 14044.00  
 DESIGN FIRM REGISTRATION #18-08073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



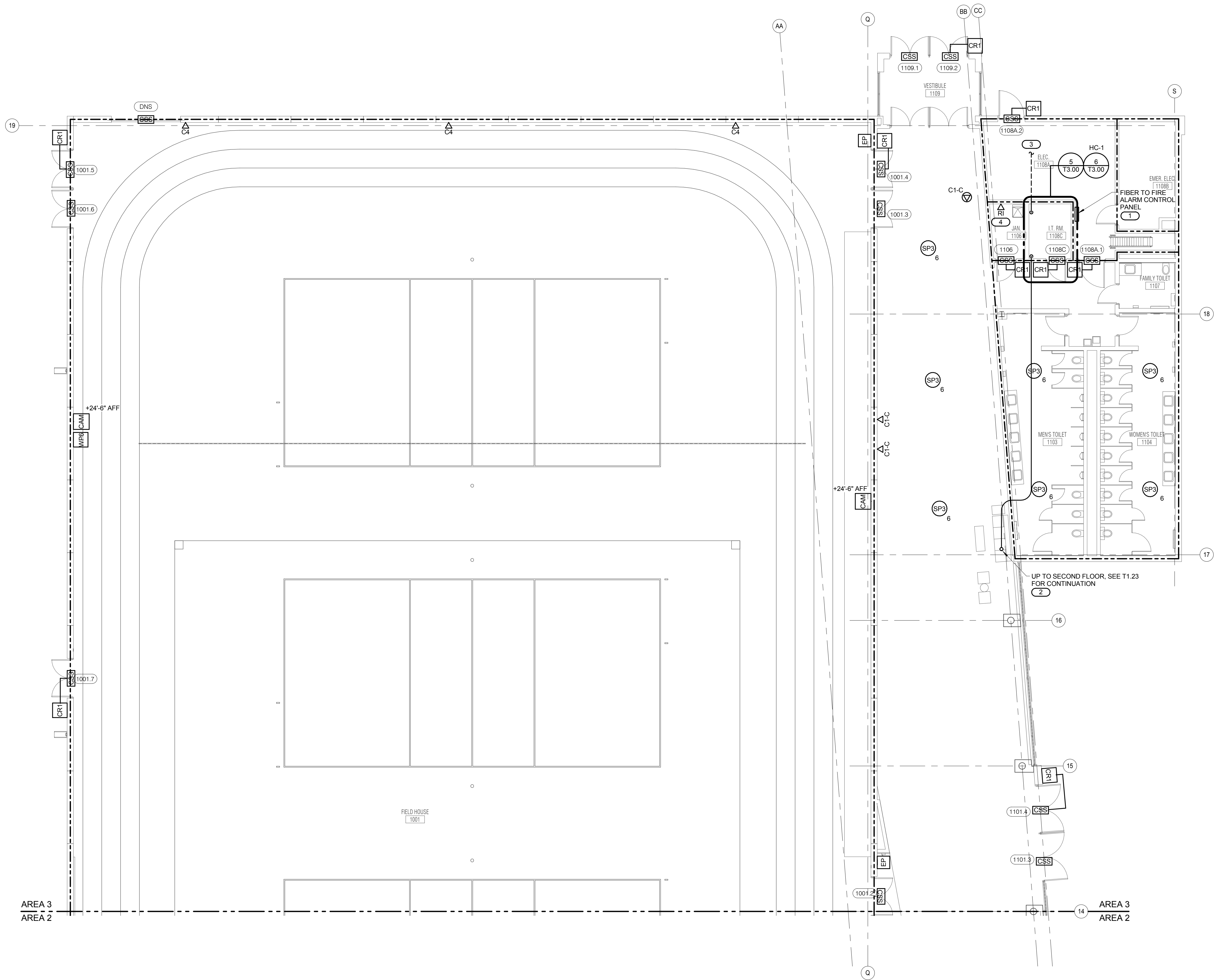
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

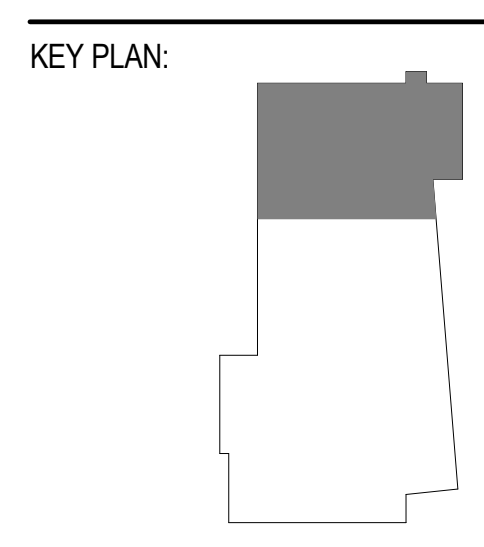
- GENERAL SHEET NOTES :**
1. ALL INFORMATION OUTLETS ON THIS SHEET SHALL BE FED FROM HC-1 UNLESS OTHERWISE NOTED. REFER TO T1.00 FOR TECHNOLOGY EQUIPMENT SCHEDULE.
  2. ALL PROJECTORS AND FLAT PANEL MONITORS ARE OWNER FURNISHED CONTRACTOR INSTALLED.
  3. COORDINATE ALL CCTV CAMERA ROUGH-INS WITH COLLEGE PRIOR TO INSTALLATION. REFER TO ARCHITECTS ELEVATIONS AND REFLECTED CEILING PLANS FOR EXACT MOUNTING HEIGHTS OF DEVICES.

- KEYNOTES: #**
1. COORDINATE WITH ARCHITECTURAL ELEVATION PRIOR TO ROUGH-IN.
  - ROUTE (1) 4"X TO HC-2. PROVIDE PULL BOXES AND JUNCTION BOXES PER NEC REQUIREMENTS AND PER ANSITIA/IEA STANDARDS.
  - ROUTE (1) 4"X TO MAIN BUILDING. REFER TO T0.01 FOR CONTINUATION.
  - ROUGH-IN ONLY.



**1 LEVEL 1 PLAN - AREA 3 - TECHNOLOGY**  
 1/8" = 1'-0"

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



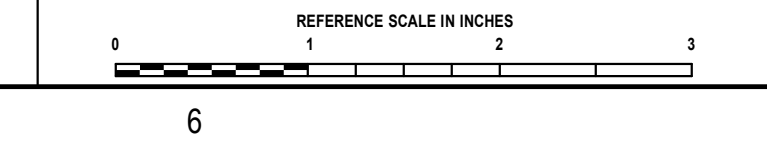
SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 1 PLAN - AREA  
 3 - TECHNOLOGY**

SHEET NUMBER:  
**T1.13**

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 THE FUTURE IS SMARTER!  
 PROJECT # 14044.00  
 Illinois Design Firm Registration #18-08073  
 © 2015 KJWW, P.C.  
 KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING.







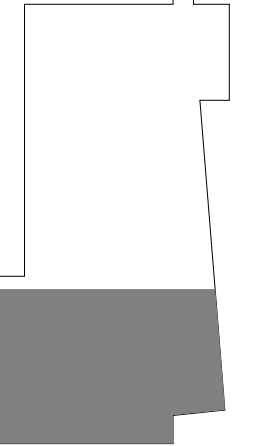
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

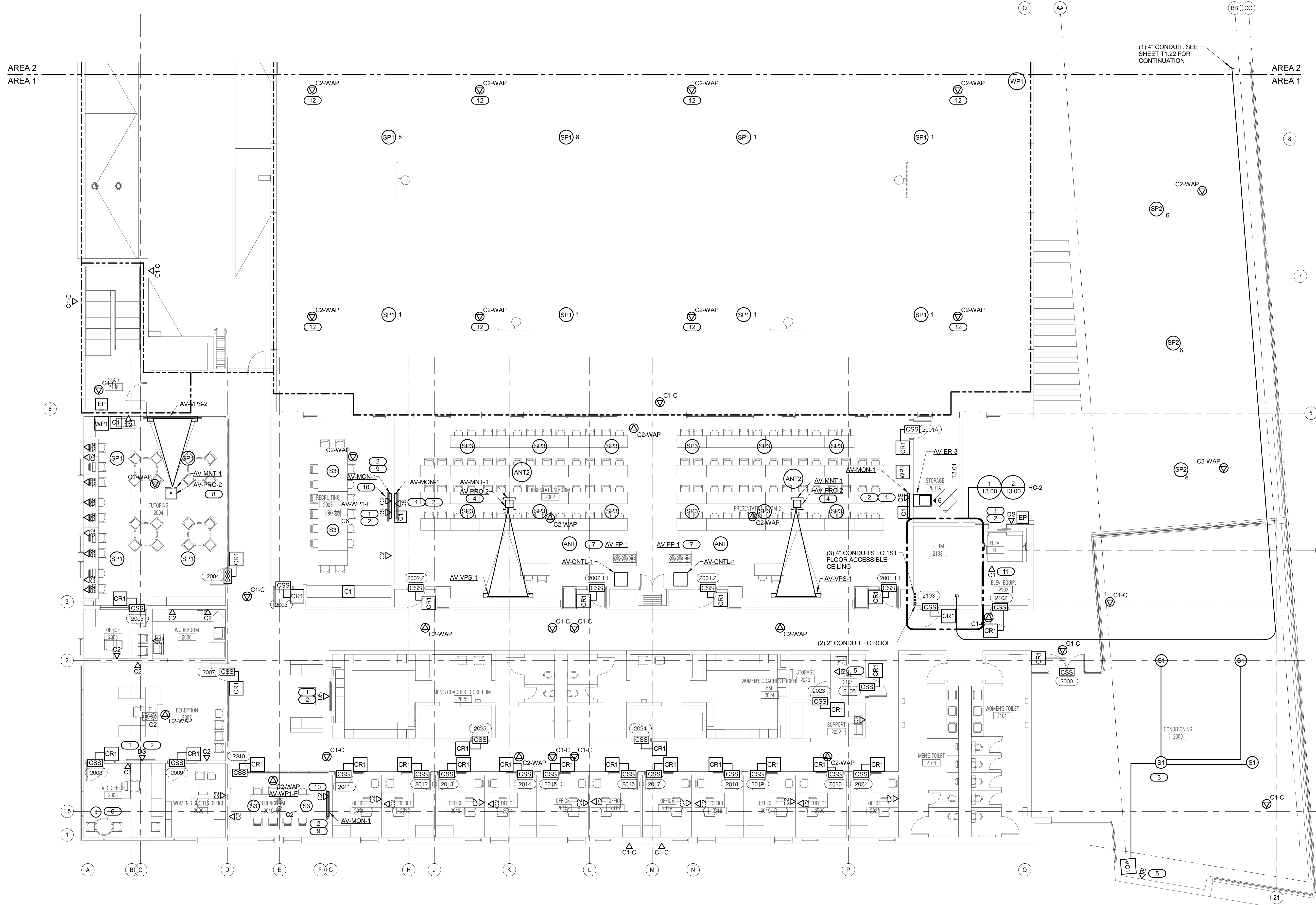
SHEET TITLE:  
**LEVEL 2 PLAN - AREA  
 1 - TECHNOLOGY**

SHEET NUMBER:

**T1.21**

- GENERAL SHEET NOTES:**
1. ALL INFORMATION OUTLETS ON THIS SHEET SHALL BE FED FROM HC-2 UNLESS OTHERWISE NOTED.
  2. REFER TO T1.20 FOR TECHNOLOGY EQUIPMENT SCHEDULE.
  3. ALL PROJECTORS AND FLAT PANEL MONITORS ARE OWNER FURNISHED CONTRACTOR INSTALLED.
  4. COORDINATE ALL CCTV CAMERA ROUGH-INS WITH COLLEGE PRIOR TO INSTALLATION.
  5. REFER TO ARCHITECTS ELEVATIONS AND REFLECTED CEILING PLANS FOR EXACT MOUNTING HEIGHTS OF DEVICES.

- KEYNOTES:**
1. COORDINATE WITH ARCHITECTURAL ELEVATION PRIOR TO ROUGH-IN.
  2. OWNER FURNISHED CONTRACTOR INSTALLED MONITOR.
  3. CONTRACTOR SHALL CONNECT INTERNET RADIO FEED TO SECONDARY INPUT AND AV-VCS-1-W TO PRIMARY INPUT. ROUTE 2 CONDUCTOR 18 AWG TO ALL CABLE IN ROOM 1114. REFER TO 213.01 ATHLETICS SOUND SYSTEM RISER DIAGRAM.
  4. REFER TO 4173.01 PRESENTATION ROOMS 2001/2002 AV RISER DIAGRAM FOR ADDITIONAL INFORMATION. ROUGH-IN ONLY.
  5. PROVIDE 4-1116" SQUARE BOX WITH 2 GANG RING AND 1-1/2" CONDUIT TO THE ROOF WITH WEATHERHEAD FOR FUTURE LIGHTNING ALARM SYSTEM.
  6. PROVIDE A 1" CONDUIT TO AV-ER-2.
  7. REFER TO 1173.01 TUTORING 2004 AV RISER DIAGRAM FOR ADDITIONAL INFORMATION.
  8. REFER TO 3173.01 CONFERENCE ROOM AV RISER DIAGRAM FOR ADDITIONAL INFORMATION.
  9. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
  10. COORDINATE EXACT LOCATION WITH ELEVATOR CONTRACTOR PRIOR TO ROUGH-IN.
  11. WAPS AND WIRE GUARDS FOR ALL WAPS IN FIELDHOUSE WILL BE OWNER FURNISHED AND CONTRACTOR INSTALLED. CONTRACTOR SHALL INSTALL AS CLOSE TO LAYOUT AS SHOWN ON THE PLANS. CONTRACTOR SHALL COORDINATE LOCATION TO AVOID OBSTRUCTIONS WITH BASKETBALL BACKBOARDS, LIGHTS, ETC.



**1 LEVEL 2 PLAN - AREA 1 - TECHNOLOGY**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM

**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 815.744.6600

Project # 14-004-00  
 Design Firm Registration #14-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA THEREON. SUCH DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

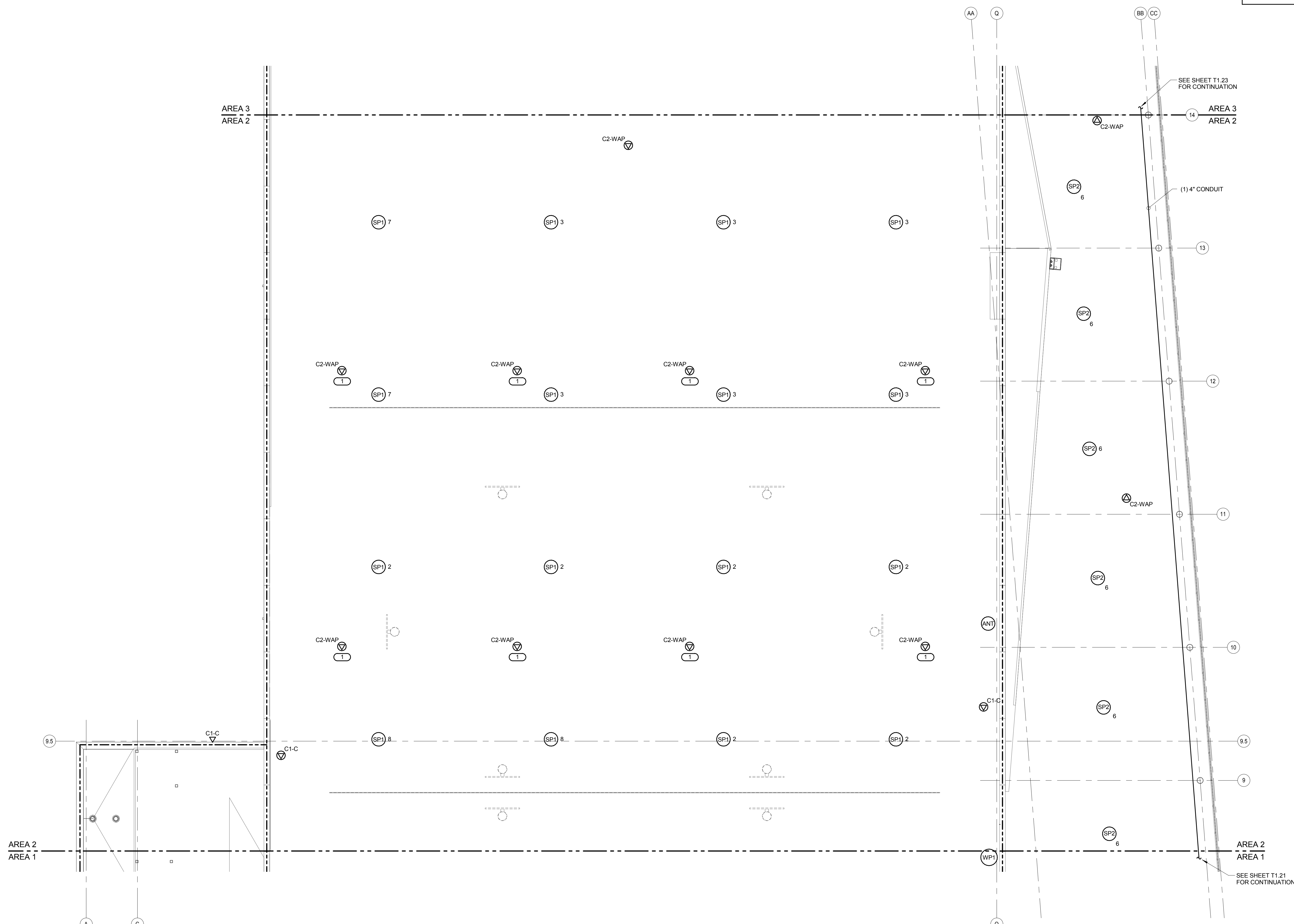
STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

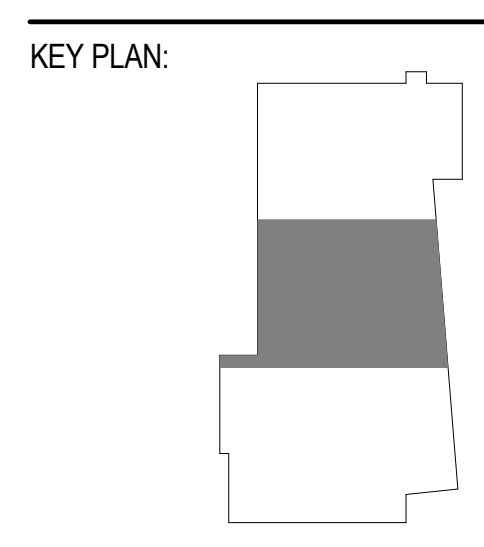
- GENERAL SHEET NOTES :**
1. ALL INFORMATION OUTLETS ON THIS SHEET SHALL BE FED FROM HC-1 UNLESS OTHERWISE NOTED. REFER TO T1.20 FOR TECHNOLOGY EQUIPMENT SCHEDULE.
  2. ALL PROJECTORS AND FLAT PANEL MONITORS ARE OWNER FURNISHED CONTRACTOR INSTALLED.
  3. COORDINATE ALL CCTV CAMERA ROUGH-INS WITH COLLEGE PRIOR TO INSTALLATION. REFER TO ARCHITECTS ELEVATIONS AND REFLECTED CEILING PLANS FOR EXACT MOUNTING HEIGHTS OF DEVICES.

- KEYNOTES: (#)**
1. WAPS AND WIRE GUARDS FOR ALL WAPS IN FIELDHOUSE WILL BE OWNER FURNISHED AND CONTRACTOR INSTALLED. CONTRACTOR SHALL INSTALL AS CLOSE TO LAYOUT AS SHOWN ON THE PLANS. CONTRACTOR SHALL COORDINATE LOCATION TO AVOID OBSTRUCTIONS WITH BASKETBALL BACKBOARDS, LIGHTS, ETC.



**1 LEVEL 2 PLAN - AREA 2 - TECHNOLOGY**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM  
**W W ENGINEERING**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.627.2321  
 WWW.KJWW.COM  
 DESIGN: [Name] PROJECT #: 14044.00  
 DESIGN DATE: 7/17/15  
 CHECK: [Name] PROJECT #: 14044.00  
 CHECK DATE: 7/17/15  
 KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.  
 REFERENCE SCALE IN INCHES  
 0 1 2 3



SHEET STATUS: 7/17/15  
**BID PACKAGE 2**  
**ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2 PLAN - AREA 2 - TECHNOLOGY**

SHEET NUMBER:  
**T1.22**



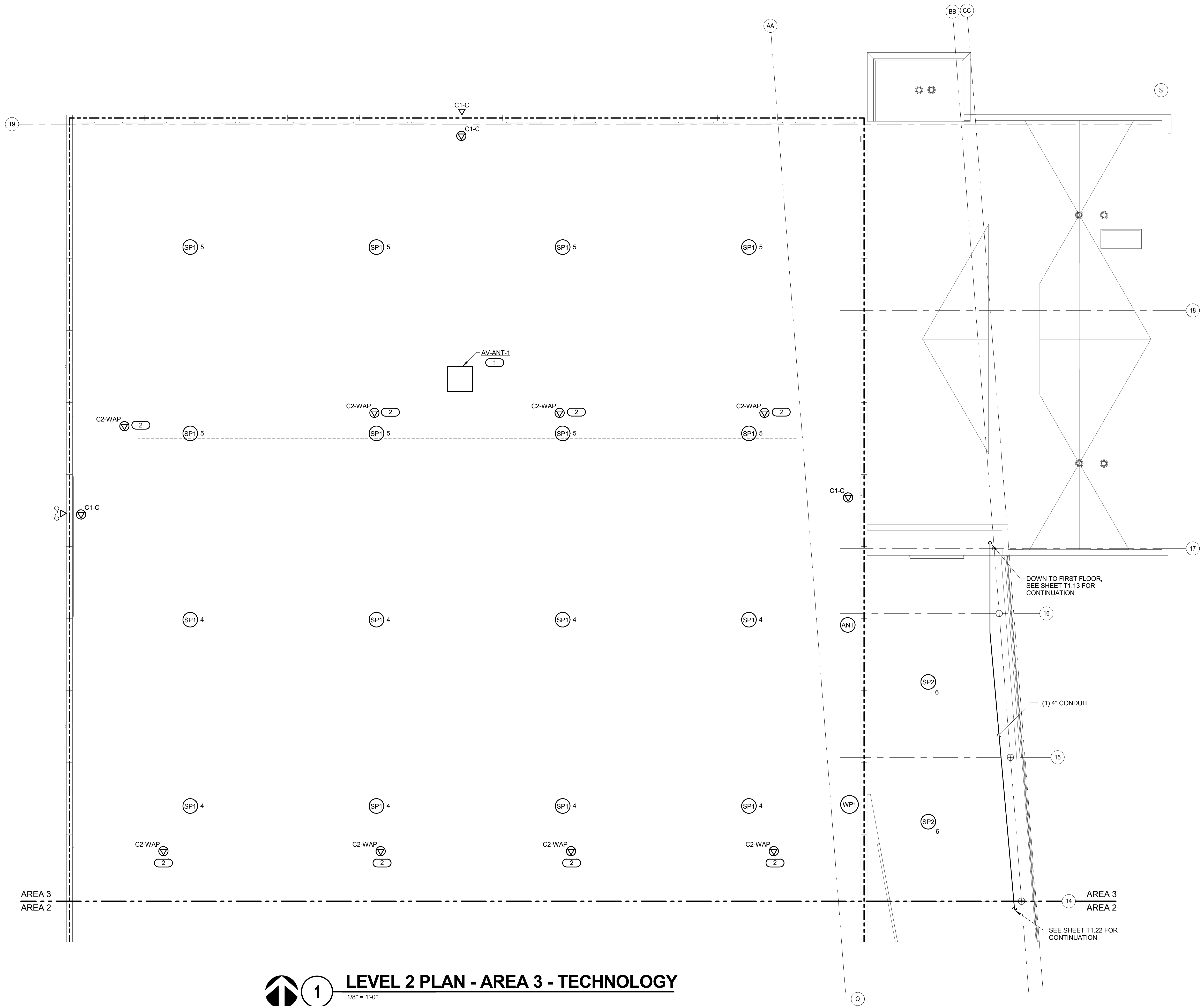
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD, SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

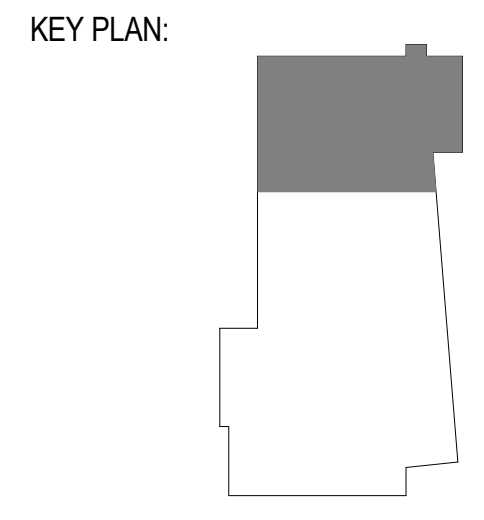
- GENERAL SHEET NOTES :**
1. ALL INFORMATION OUTLETS ON THIS SHEET SHALL BE FED FROM HC-1 UNLESS OTHERWISE NOTED. REFER TO T7.00 FOR TECHNOLOGY EQUIPMENT SCHEDULE.
  2. ALL PROJECTORS AND FLAT PANEL MONITORS ARE OWNER FURNISHED CONTRACTOR INSTALLED.
  3. COORDINATE ALL CCTV CAMERA ROUGH-INS WITH COLLEGE PRIOR TO INSTALLATION. REFER TO ARCHITECTS ELEVATIONS AND REFLECTED CEILING PLANS FOR EXACT MOUNTING HEIGHTS OF DEVICES.

- KEYNOTES: #**
1. ROOF MOUNTED TV ANTENNA. COORDINATE EXACT LOCATION IN FIELD WITH ARCHITECT AND FOR FIELD STRENGTH. PROVIDE WEATHER HEAD, MAST AND BALLAST MOUNT. SEE 514.00 PARTIAL CATV RISER DIAGRAM FOR ADDITIONAL INFORMATION. WAPS AND WIRE GUIDES FOR ALL WAPS IN FIELDHOUSE WILL BE OWNER FURNISHED AND CONTRACTOR INSTALLED. CONTRACTOR SHALL INSTALL AS CLOSE TO LAYOUT AS SHOWN ON THE PLANS. CONTRACTOR SHALL COORDINATE LOCATION TO AVOID OBSTRUCTIONS WITH BASKETBALL BACKBOARDS, LIGHTS, ETC.



**1** LEVEL 2 PLAN - AREA 3 - TECHNOLOGY  
 1/8" = 1'-0"

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004



SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**LEVEL 2 PLAN - AREA  
 3 - TECHNOLOGY**

SHEET NUMBER:  
**T1.23**

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**WJ ENGINEERING**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.WJENGINEERING.COM

Project # 14044.00  
 Design Firm Registration #14-00073  
 © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3





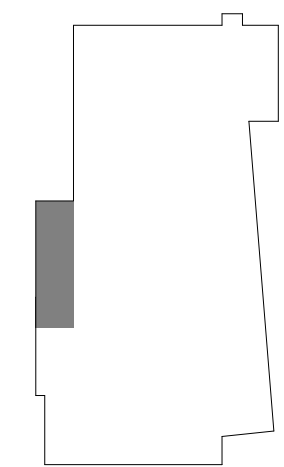
ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:



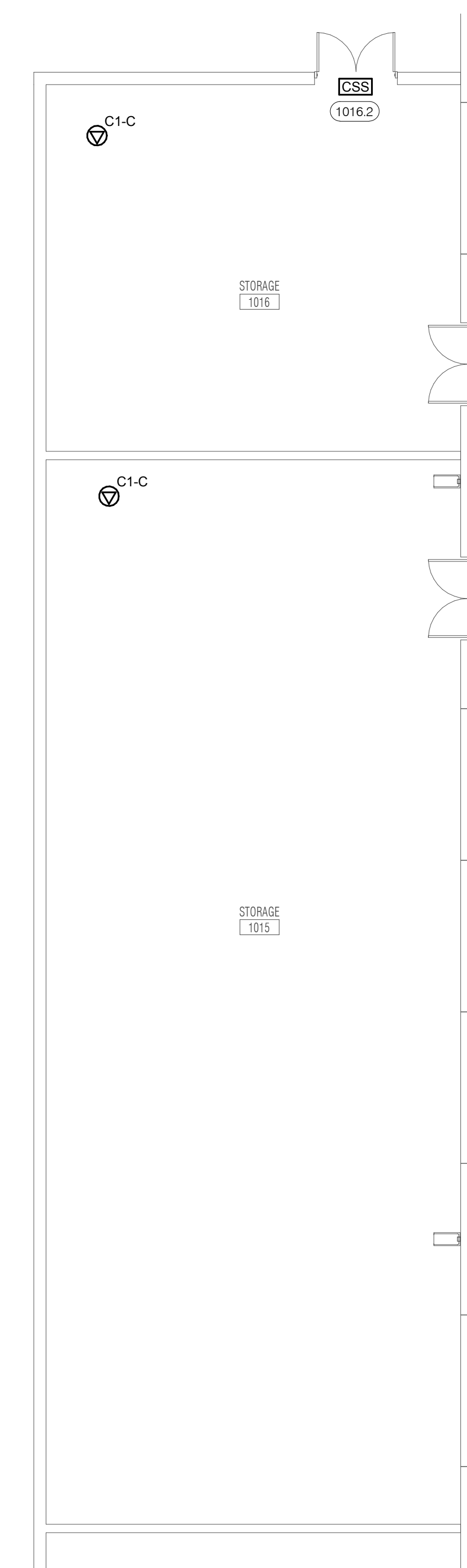
SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

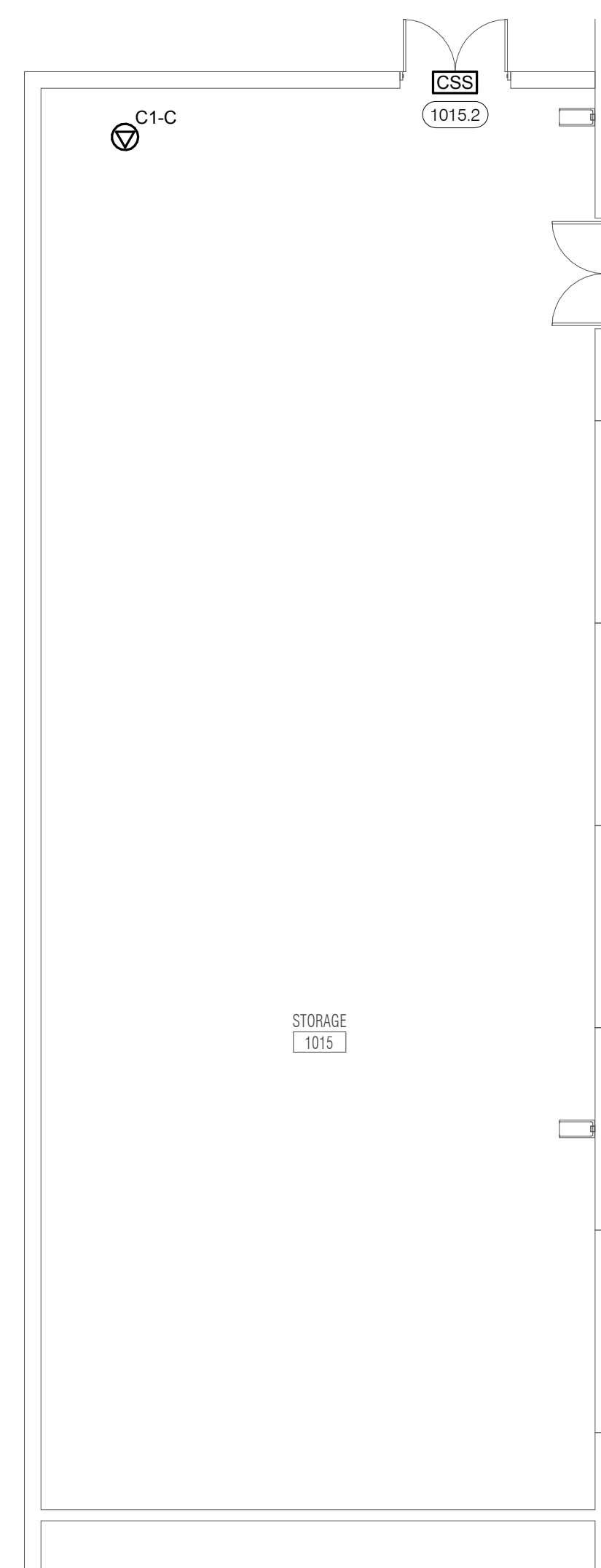
SHEET TITLE:  
**ALTERNATE PLANS -  
 TECHNOLOGY**

SHEET NUMBER:

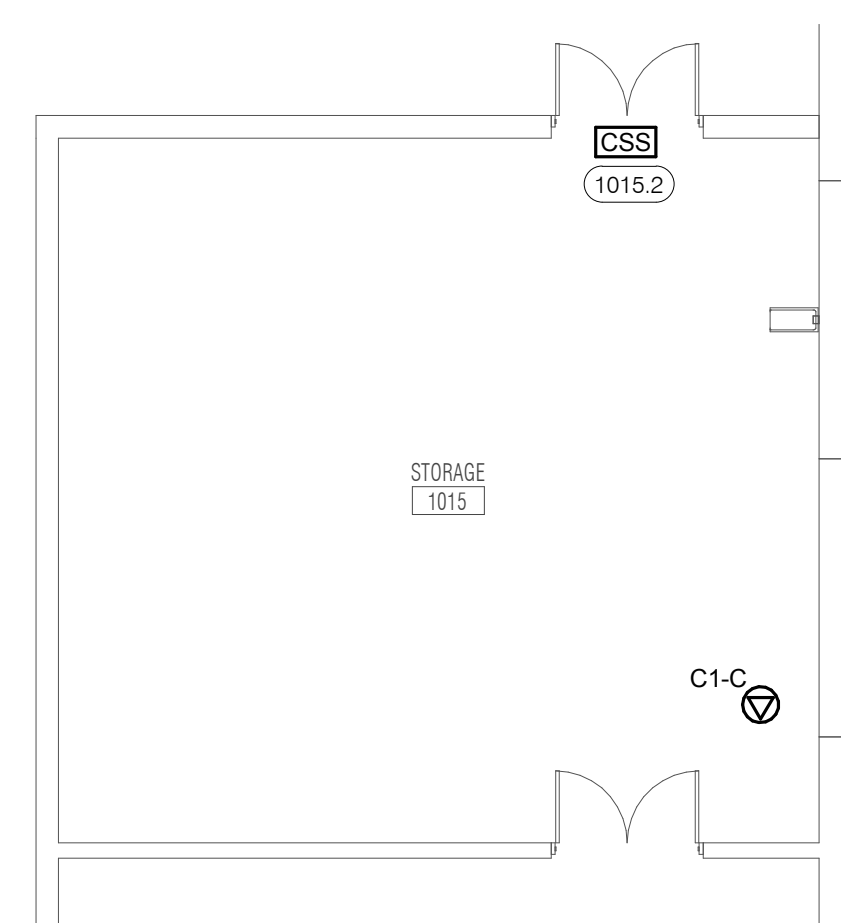
**T1.40**



**LEVEL 1 PLAN - AREA 2 -  
 TECHNOLOGY - ALT 3**  
 1/8" = 1'-0"



**LEVEL 1 PLAN - AREA 2 -  
 TECHNOLOGY - ALT 2**  
 1/8" = 1'-0"



**LEVEL 1 PLAN - AREA 2 -  
 TECHNOLOGY - ALT 1**  
 1/8" = 1'-0"

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT # 14-004-00  
 DESIGN FIRM REGISTRATION #18-00073

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3



ARCHITECT OF RECORD  
**DEMONICA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

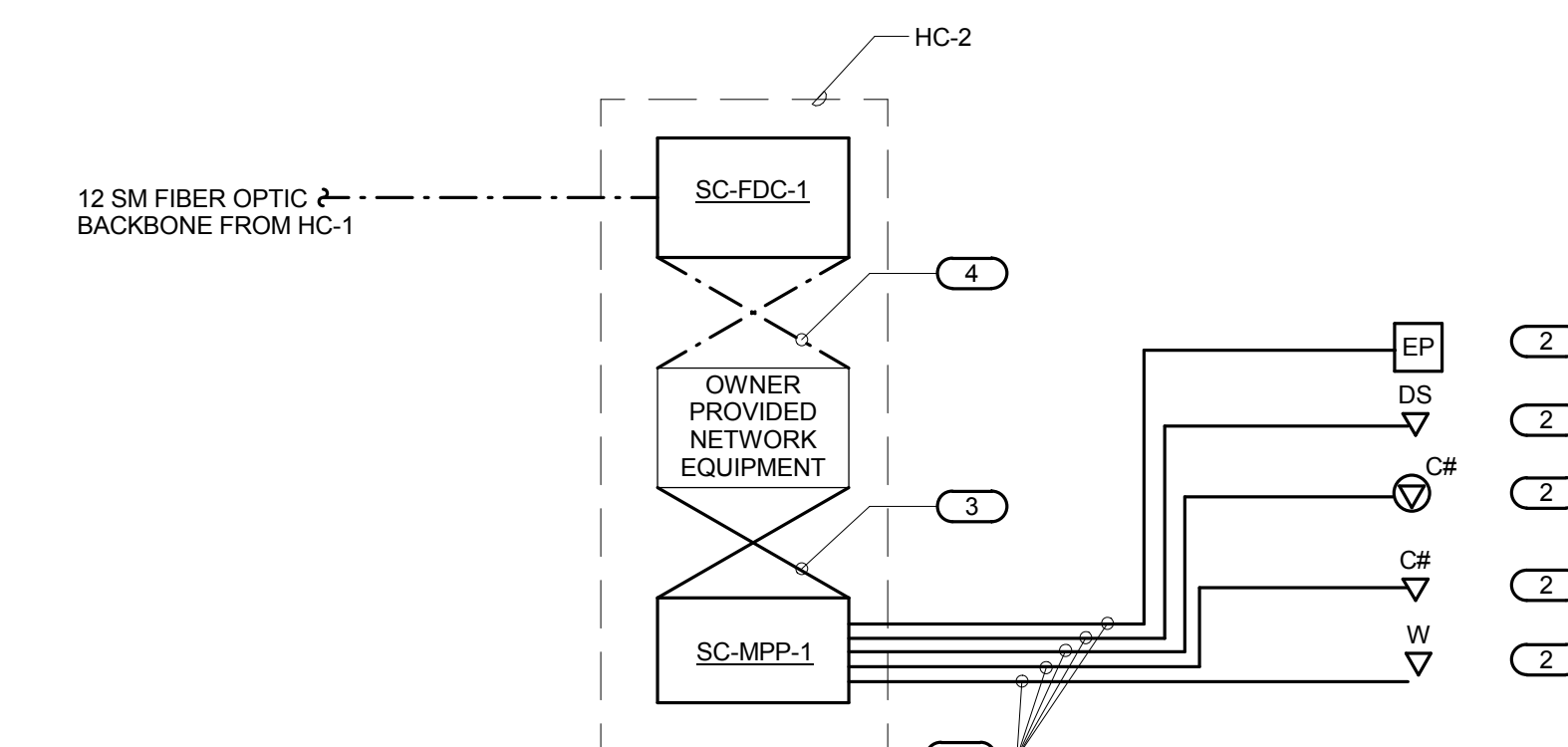
SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:  
**ENLARGED PLANS -  
 TECHNOLOGY**

SHEET NUMBER:

**T3.00**



**4 CONNECTIVITY RISER DIAGRAM HC-2**

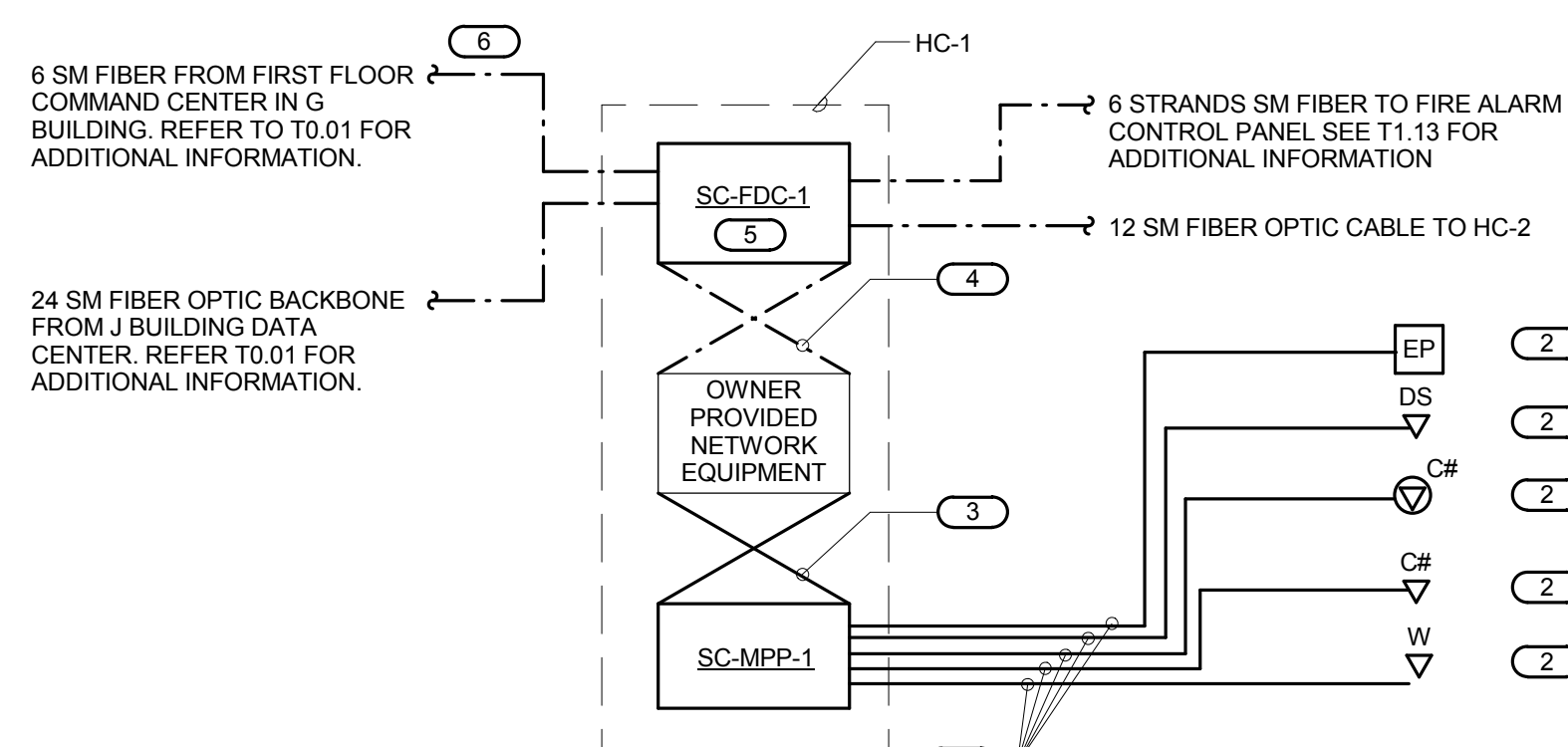
NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING AND QUANTITY INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. REFER TO T7.00 FOR TECHNOLOGY EQUIPMENT SCHEDULE.

KEYNOTES: ( # )

1. 23 GAUGE, 4-PAIR, CATEGORY 6, UNSHIELDED TWISTED PAIR CABLE. SEE SPECIFICATIONS.
2. REFER TO INFORMATION OUTLET SCHEDULE ON T0.0 AND THE FLOOR PLANS FOR QUANTITY OF CABLES AND JACKS TO BE INSTALLED AT EACH INFORMATION OUTLET.
3. RJ-45 TO RJ-45 CATEGORY CAT 6 UTP PATCH CORD. SEE SPECIFICATIONS.
4. FIBER PATCH CORD. SEE SPECIFICATIONS.



**8 CONNECTIVITY RISER DIAGRAM HC-1**

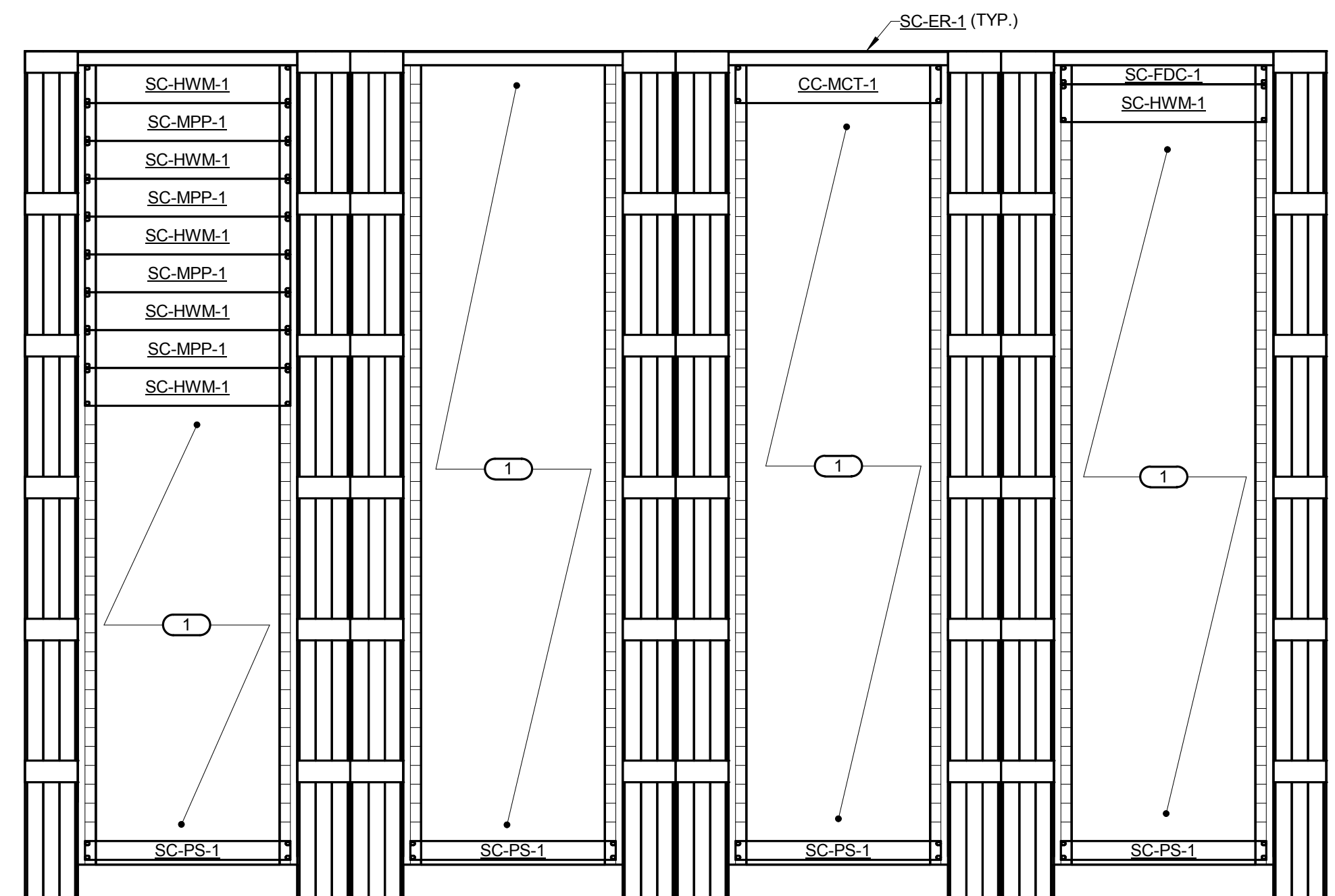
NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING AND QUANTITY INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. REFER TO T7.00 FOR TECHNOLOGY EQUIPMENT SCHEDULE.

KEYNOTES: ( # )

1. 23 GAUGE, 4-PAIR, CATEGORY 6, UNSHIELDED TWISTED PAIR CABLE. SEE SPECIFICATIONS.
2. REFER TO INFORMATION OUTLET SCHEDULE ON T0.0 AND THE FLOOR PLANS FOR QUANTITY OF CABLES AND JACKS TO BE INSTALLED AT EACH INFORMATION OUTLET.
3. RJ-45 TO RJ-45 CATEGORY CAT 6 UTP PATCH CORD. SEE SPECIFICATIONS.
4. FIBER PATCH CORD. SEE SPECIFICATIONS.
5. COORDINATE LOCATION OF FIBER TERMINATIONS IN "J" BUILDING DATA CENTER WITH JJC IT DEPARTMENT.
6. COORDINATE TERMINATION OF FIBER WITH FIRE ALARM CONTRACTOR. REFER TO E3.13 FOR LOCATION OF FIRE ALARM PANEL.



**3 EQUIPMENT RACK ELEVATION HC-2**

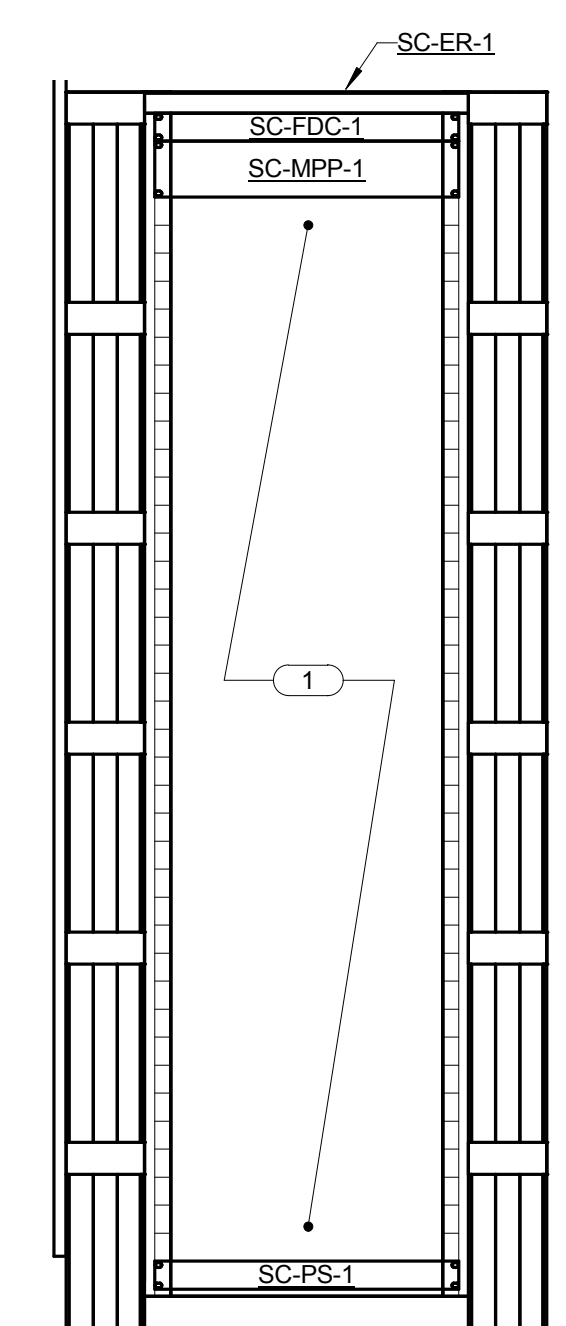
NO SCALE

NOTES:

1. REFER TO 1/13.00 FOR EQUIPMENT ROOM LAYOUT HC-2.
2. REFER TO 4/13.00 FOR CONNECTIVITY RISER DIAGRAM HC-2.
3. REFER TO T7.00 FOR TECHNOLOGY EQUIPMENT SCHEDULE.

KEYNOTES: ( # )

1. SPACE FOR OWNER PROVIDED EQUIPMENT.



**7 EQUIPMENT RACK ELEVATION HC-1**

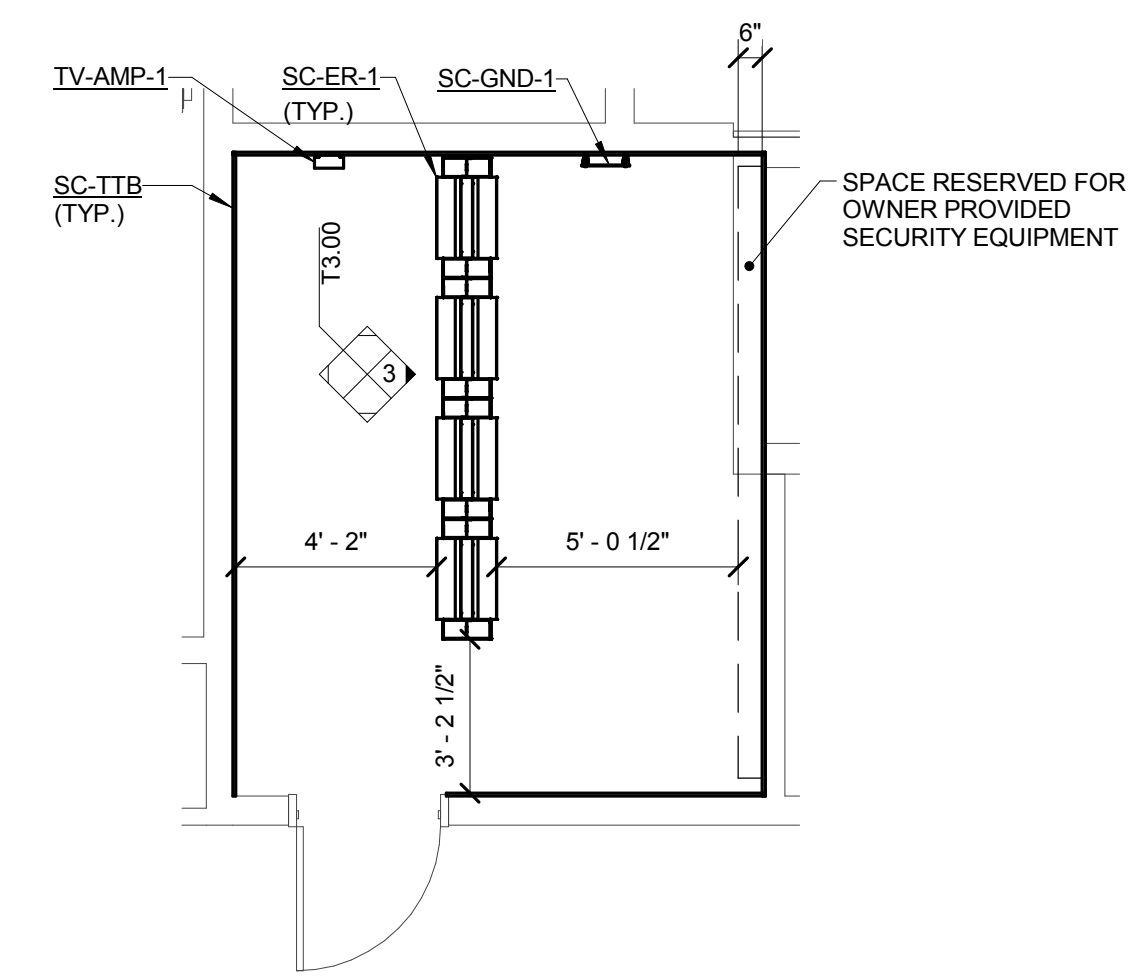
1" = 1'-0"

NOTES:

1. REFER TO 5/13.00 FOR EQUIPMENT ROOM LAYOUT HC-1.
2. REFER TO 8/13.00 FOR CONNECTIVITY RISER DIAGRAM HC-1.
3. REFER TO T7.00 FOR TECHNOLOGY EQUIPMENT SCHEDULE.

KEYNOTES: ( # )

1. SPACE FOR OWNER PROVIDED EQUIPMENT.

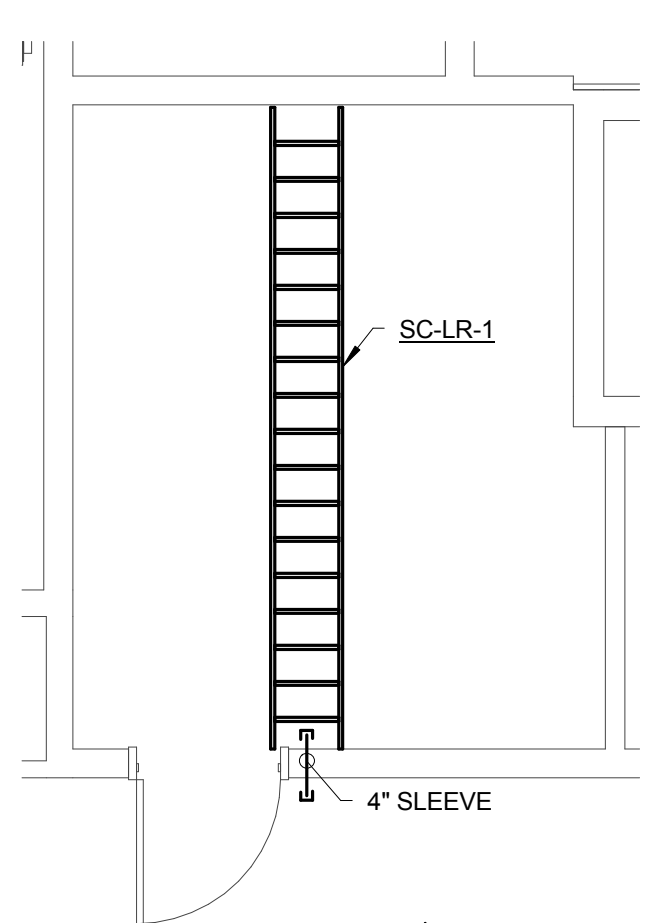


**1 EQUIPMENT ROOM LAYOUT HC-2**

1/4" = 1'-0"

NOTES:

1. REFER TO 2/13.00 FOR EQUIPMENT ROOM PATHWAY HC-2.
2. REFER TO 4/13.00 FOR CONNECTIVITY RISER DIAGRAM HC-2.
3. REFER TO T7.00 FOR TECHNOLOGY EQUIPMENT SCHEDULE.

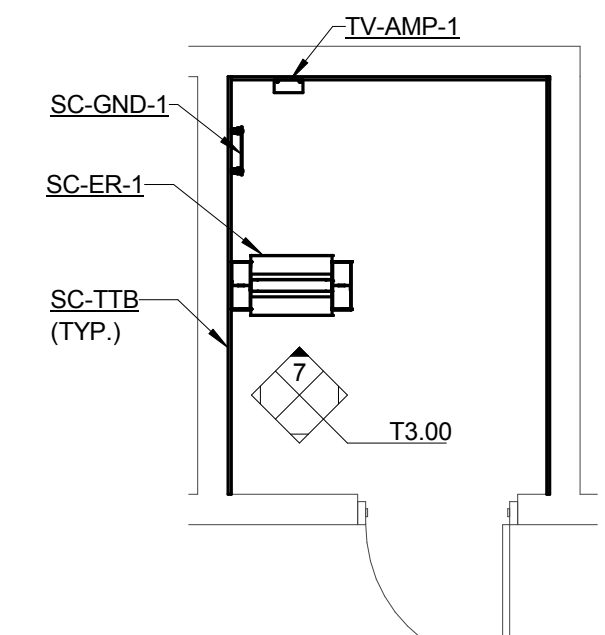


**2 EQUIPMENT ROOM PATHWAY HC-2**

1/4" = 1'-0"

NOTES:

1. REFER TO 1/13.00 FOR EQUIPMENT ROOM LAYOUT HC-2.
2. REFER TO T7.00 FOR TECHNOLOGY EQUIPMENT SCHEDULE.
3. INSTALL LADDER RACK AT 7'-6" AFF.

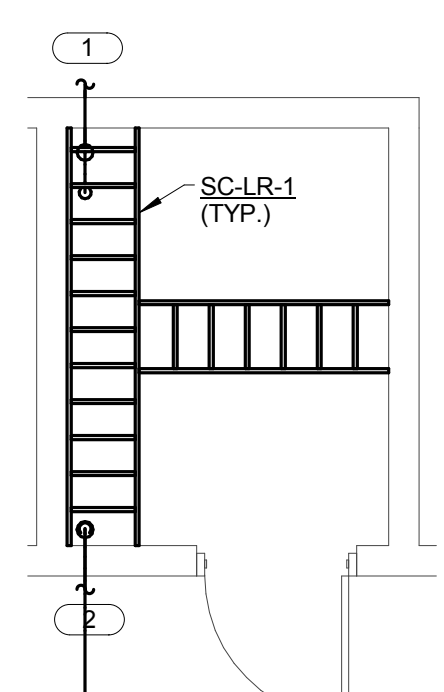


**5 EQUIPMENT ROOM LAYOUT HC-1**

1/4" = 1'-0"

NOTES:

1. REFER TO 6/13.00 FOR EQUIPMENT RACK PATHWAY HC-1.
2. REFER TO 8/13.00 FOR CONNECTIVITY RISER DIAGRAM HC-1.
3. REFER TO T7.00 FOR TECHNOLOGY EQUIPMENT SCHEDULE.



**6 EQUIPMENT ROOM PATHWAY HC-1**

1/4" = 1'-0"

NOTES:

1. REFER TO 5/13.00 FOR EQUIPMENT ROOM LAYOUT HC-1.
2. REFER TO T7.00 FOR TECHNOLOGY EQUIPMENT SCHEDULE.
3. INSTALL LADDER RACK AT 7'-6" AFF.

KEYNOTES: ( # )

1. ROUTE (1) 4" TO MAIN BUILDING. REFER TO T0.01 FOR CONTINUATION.
2. ROUTE (1) 4" TO HC-2.

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM

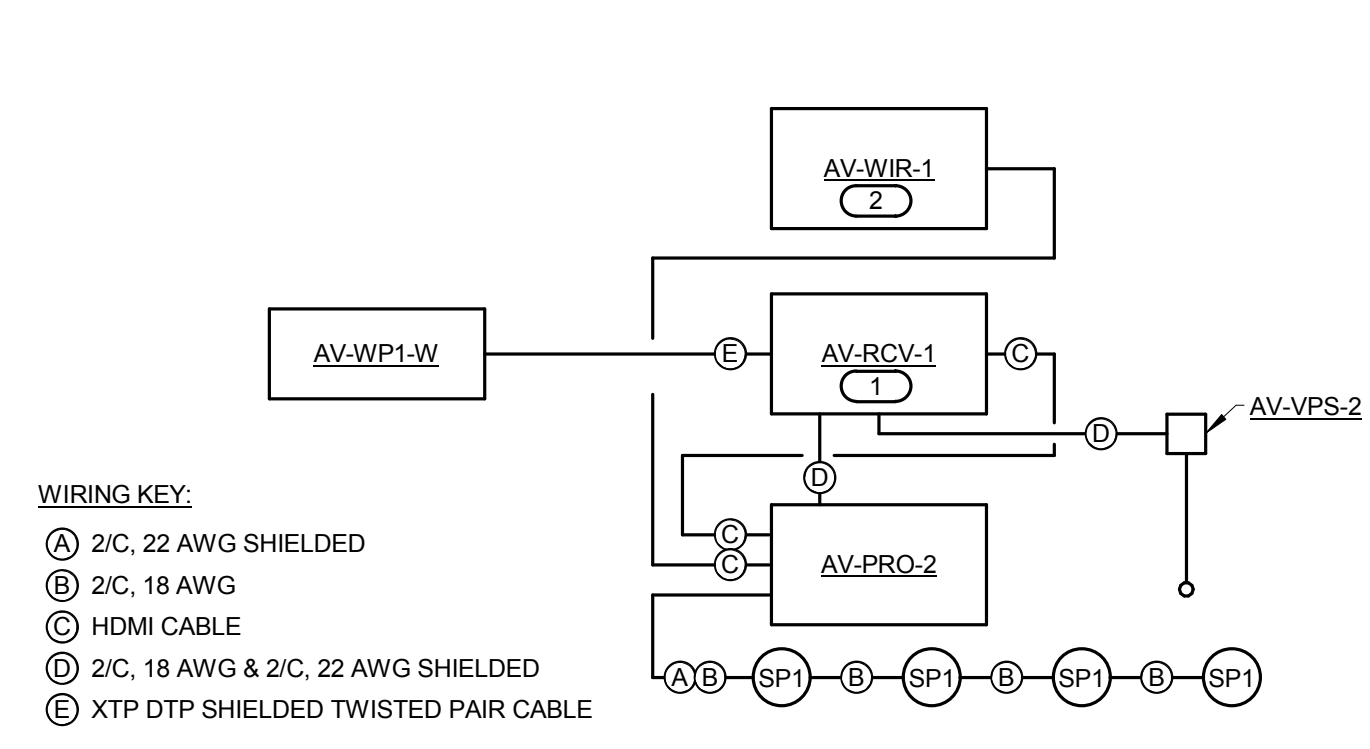
Block Design Firm Registration #18-08073

PROJECT # 14-004-00

© 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES

0 1 2 3

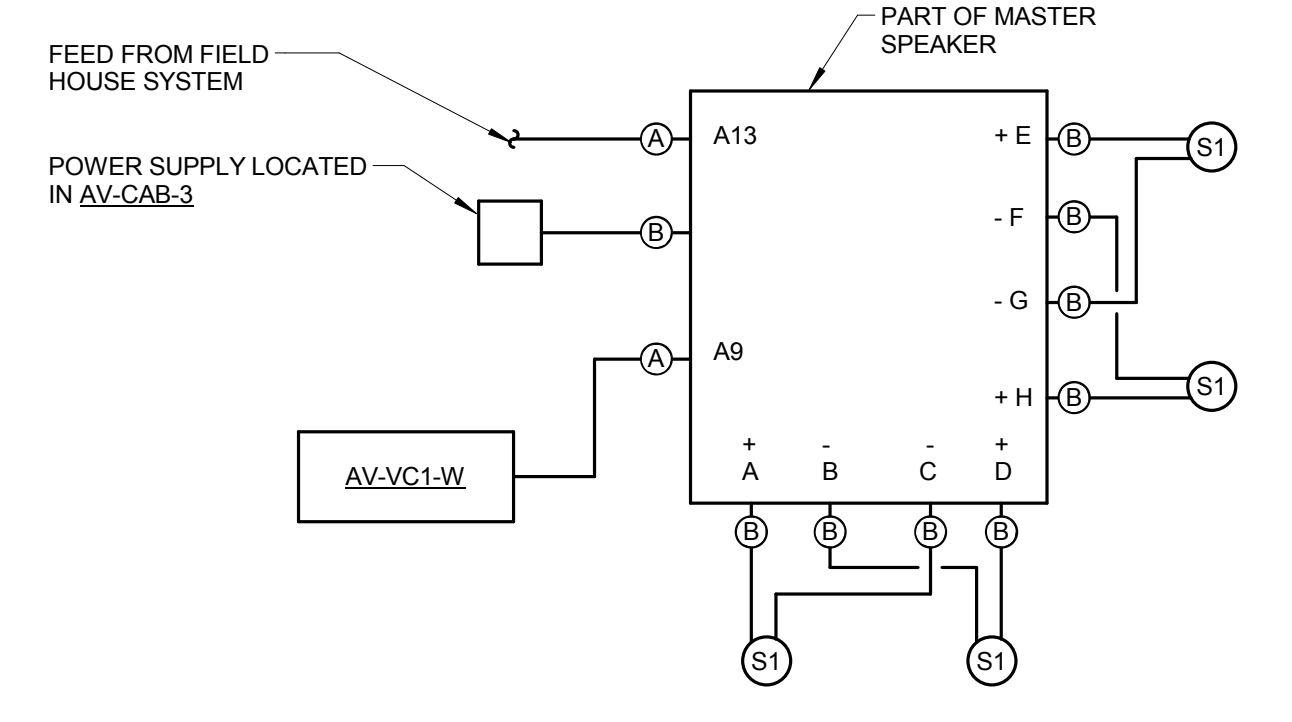


**WIRING KEY:**  
 (A) 2/C, 22 AWG SHIELDED  
 (B) 2/C, 18 AWG  
 (C) HDMI CABLE  
 (D) 2/C, 18 AWG & 2/C, 22 AWG SHIELDED  
 (E) XTP DTP SHIELDED TWISTED PAIR CABLE

**1 TUTORING 2004 AV RISER DIAGRAM**

NO SCALE  
 NOTES:  
 1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CONDUCTOR TYPE. ALL CONNECTIONS AND SYSTEM DEVICES SHOWN ARE TYPICAL AND NOT REPRESENTATIVE OF ACTUAL PROJECT QUANTITIES. REFER TO FLOOR PLANS AND ENLARGED FLOOR PLANS FOR ACTUAL QUANTITIES AND LOCATIONS OF DEVICES AND MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

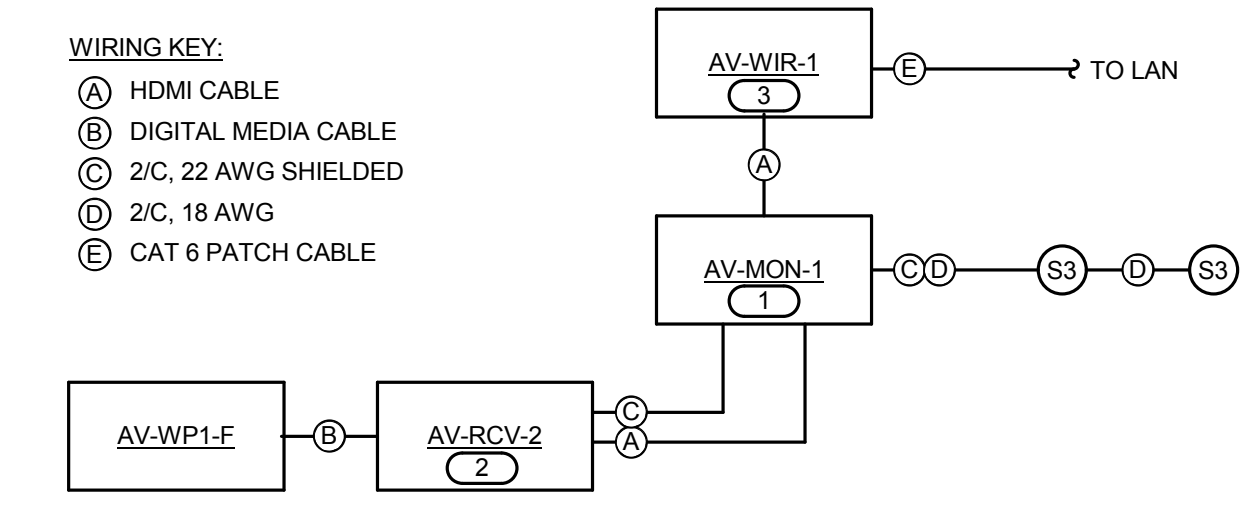
**KEYNOTES:** (E)  
 1. MOUNT DIGITAL MEDIA RECEIVER AT PROJECTOR. SECURE DEVICE TO PROJECTOR.  
 2. MOUNT WIRELESS GATEWAY AT PROJECTOR. SECURE DEVICE TO PROJECTOR.



**WIRING KEY:**  
 (A) 2/C, 22 AWG SHIELDED  
 (B) 2/C, 18 AWG

**2 ATHLETICS SOUND SYSTEM RISER DIAGRAM**

NO SCALE  
 NOTES:  
 1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CONDUCTOR TYPE. ALL CONNECTIONS AND SYSTEM DEVICES SHOWN ARE TYPICAL AND NOT REPRESENTATIVE OF ACTUAL PROJECT QUANTITIES. REFER TO FLOOR PLANS AND ENLARGED FLOOR PLANS FOR ACTUAL QUANTITIES AND LOCATIONS OF DEVICES AND MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

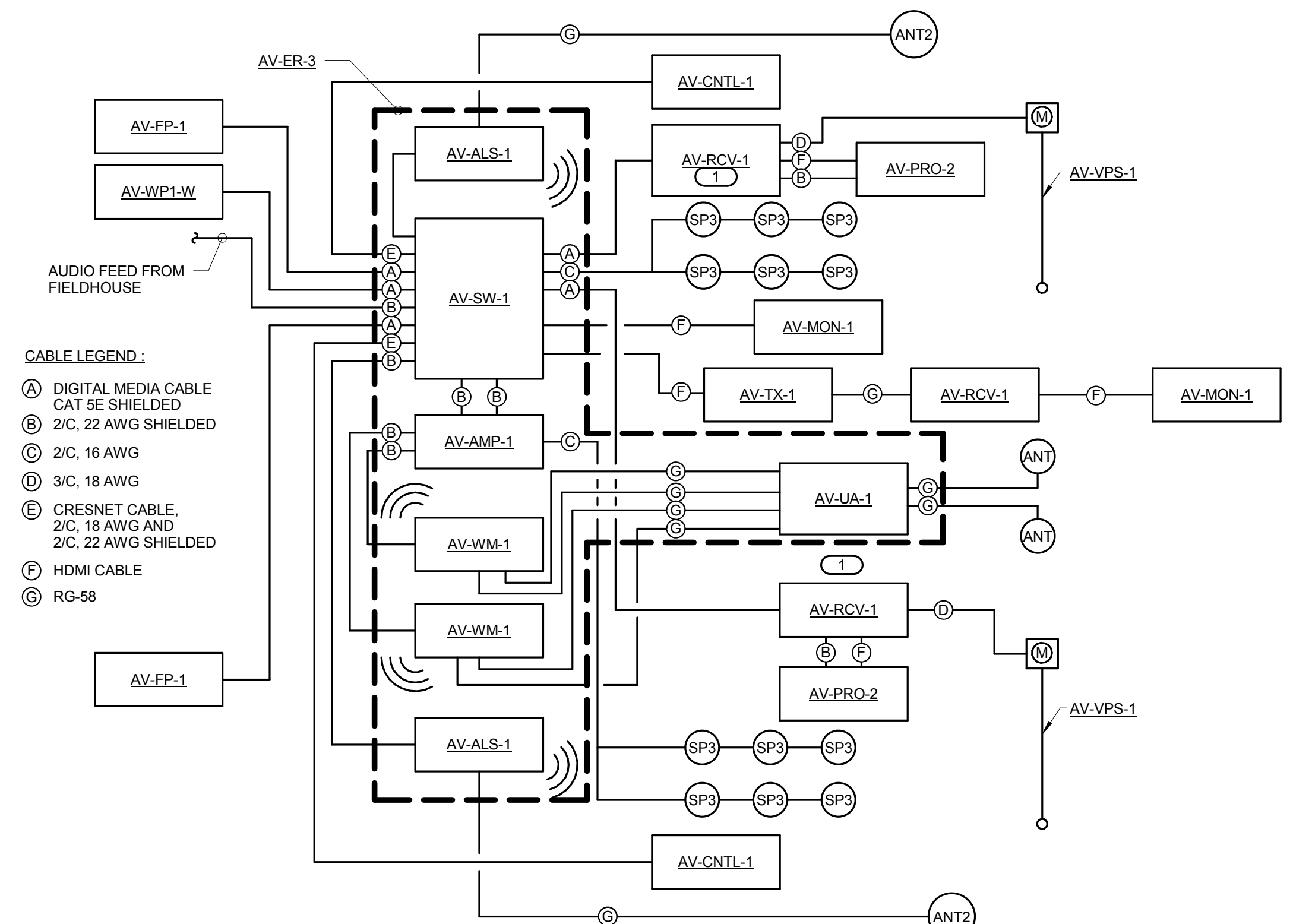


**WIRING KEY:**  
 (A) HDMI CABLE  
 (B) DIGITAL MEDIA CABLE  
 (C) 2/C, 22 AWG SHIELDED  
 (D) 2/C, 18 AWG  
 (E) CAT 6 PATCH CABLE

**3 CONFERENCE ROOM AV RISER DIAGRAM**

NO SCALE  
 NOTES:  
 1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CONDUCTOR TYPE. ALL CONNECTIONS AND SYSTEM DEVICES SHOWN ARE TYPICAL AND NOT REPRESENTATIVE OF ACTUAL PROJECT QUANTITIES. REFER TO FLOOR PLANS AND ENLARGED FLOOR PLANS FOR ACTUAL QUANTITIES AND LOCATIONS OF DEVICES AND MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

**KEYNOTES:** (E)  
 1. AV-MON-1 TO BE MOUNTED ON AV-MNT-2. REFER TO GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ON 17.00 FOR ADDITIONAL INFORMATION.  
 2. MOUNT BEHIND DISPLAY. COORDINATE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.  
 3. MOUNT BEHIND DISPLAY. SECURE TO MOUNT.

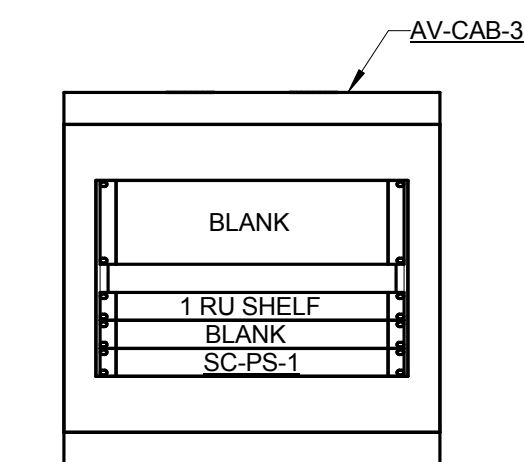


**CABLE LEGEND:**  
 (A) DIGITAL MEDIA CABLE  
 CAT 5E SHIELDED  
 (B) 2/C, 22 AWG SHIELDED  
 (C) 2/C, 18 AWG  
 (D) 3/C, 18 AWG  
 (E) CRESNET CABLE  
 2/C, 18 AWG AND  
 2/C, 22 AWG SHIELDED  
 (F) HDMI CABLE  
 (G) RG-58

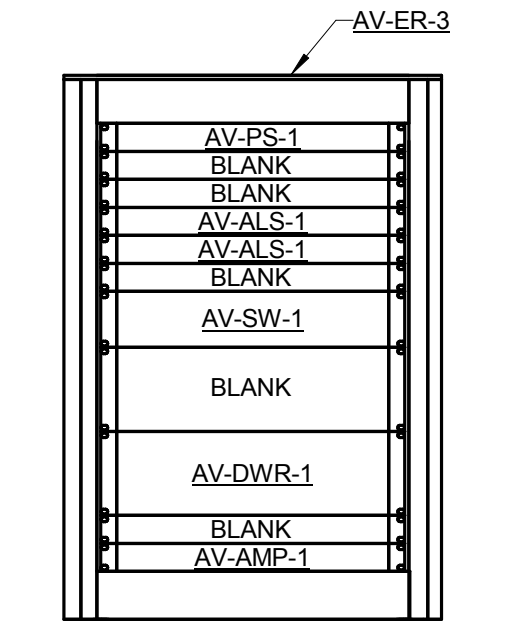
**4 PRESENTATION ROOMS 2001/2002 AV RISER DIAGRAM**

NO SCALE  
 NOTES:  
 1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CONDUCTOR TYPE. ALL CONNECTIONS AND SYSTEM DEVICES SHOWN ARE TYPICAL AND NOT REPRESENTATIVE OF ACTUAL PROJECT QUANTITIES. REFER TO FLOOR PLANS AND ENLARGED FLOOR PLANS FOR ACTUAL QUANTITIES AND LOCATIONS OF DEVICES AND MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

**KEYNOTES:** (E)  
 1. MOUNT DIGITAL MEDIA RECEIVER AT PROJECTOR. SECURE DEVICE TO PROJECTOR.



**5 ATHLETICS SOUND SYSTEM RACK ELEVATION**

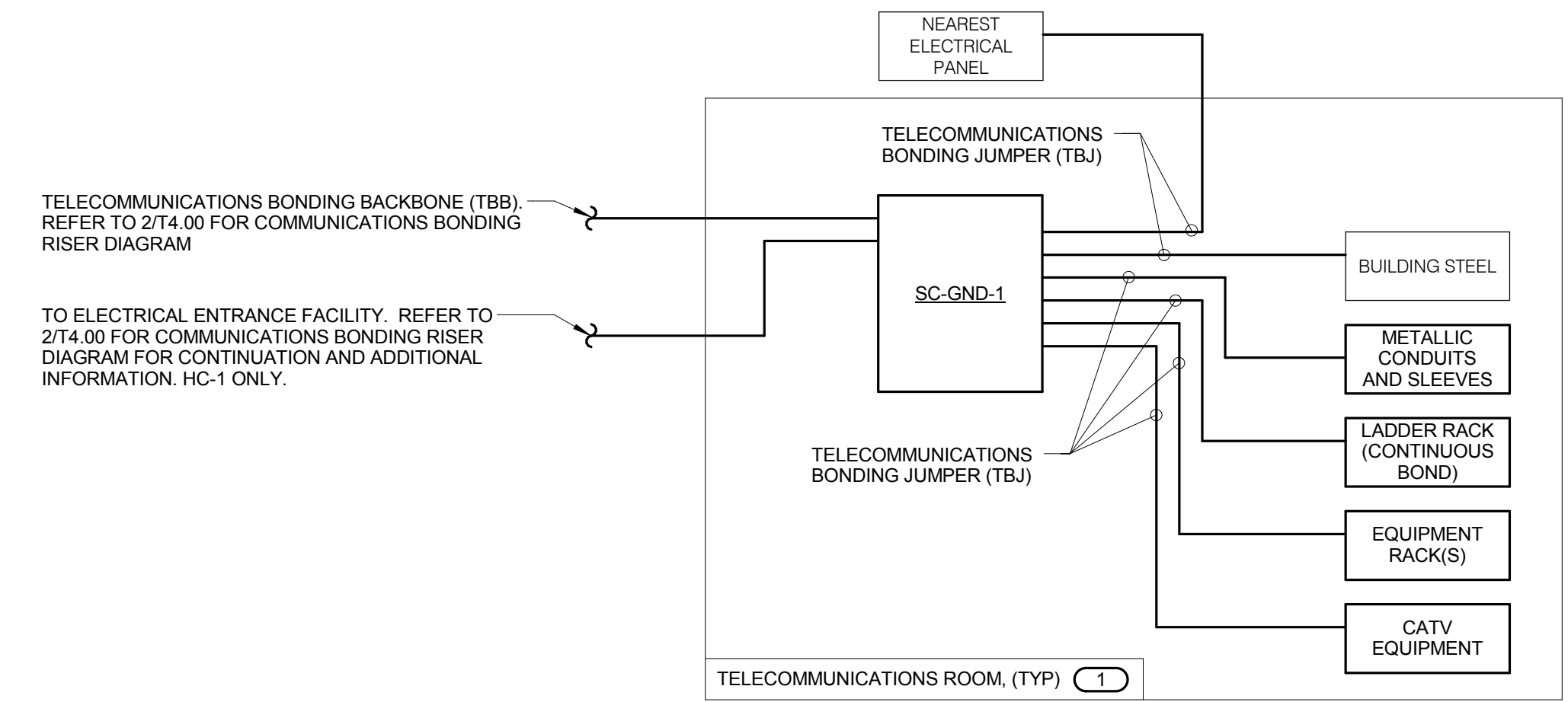


**6 PRESENTATION ROOMS 2001/2002 AV SYSTEM RACK ELEVATION**

NO.	DESCRIPTION:	DATE:

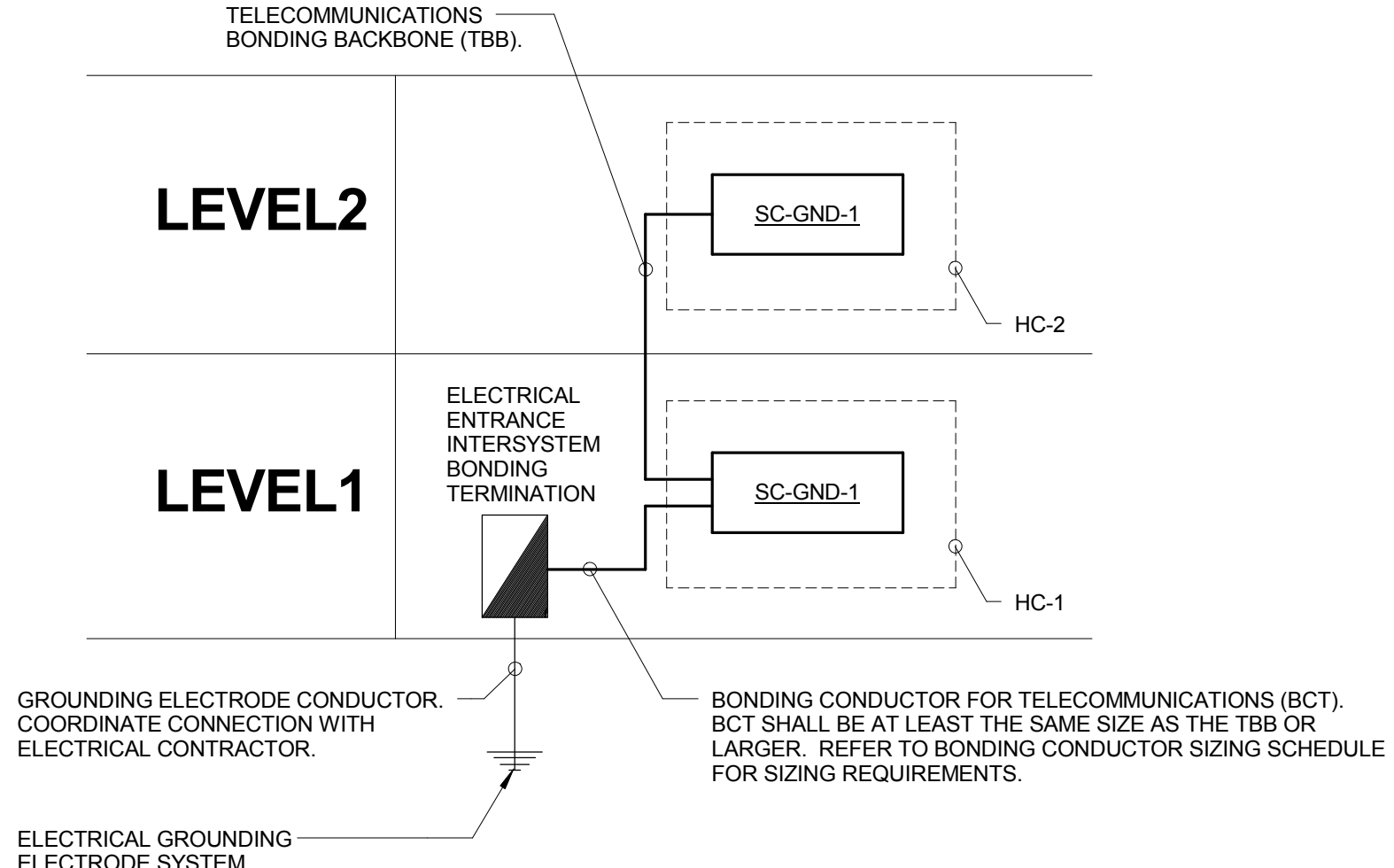


NO.	DESCRIPTION:	DATE:



**3 TYPICAL TELECOM ROOM BONDING FLOW DIAGRAM**

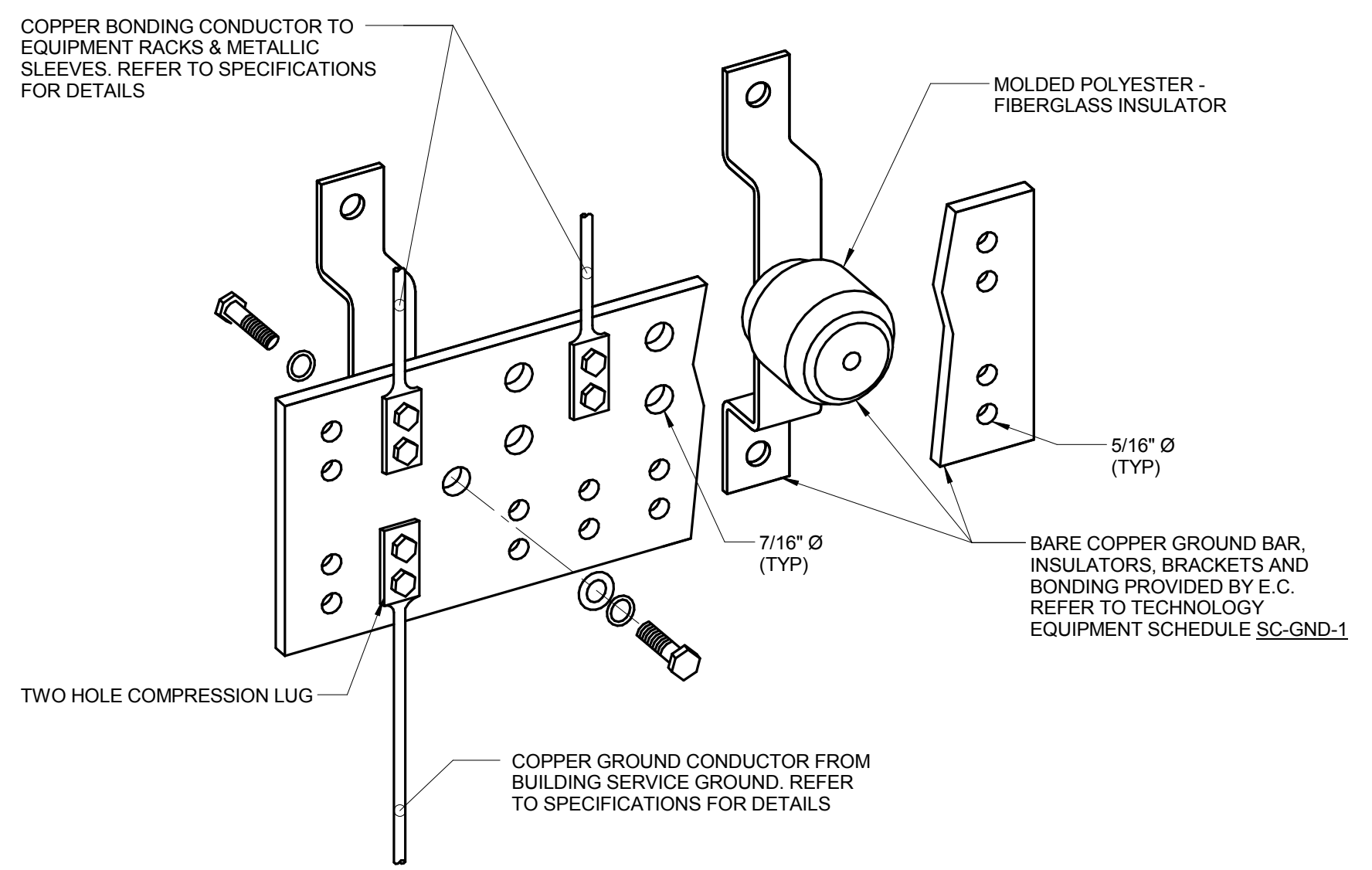
NO SCALE  
 NOTES:  
 1. THIS FLOW DIAGRAM IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS DIAGRAM IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CABLE TYPE. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING AND QUANTITY INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.  
 2. ALL BONDING CONDUCTORS IN THE TELECOMMUNICATIONS SYSTEM SHALL BE 30 AWG PLENUM RATED COPPER CONDUCTORS (GREEN) UNLESS DISTANCE IS LESS THAN 66 FEET, THEN REFER TO BONDING CONDUCTOR SIZING SCHEDULE.  
 3. SHEET METAL SCREWS SHALL NOT BE USED TO CONNECT TELECOMMUNICATIONS BONDING JUMPERS TO EQUIPMENT. ALL CONNECTIONS SHALL UTILIZE LISTED HARDWARE.  
 4. BONDING TO PAINT TREATED SURFACES SHALL UTILIZE PAINT PIERCING LUGS.  
 5. REFER TO THE BONDING BUS BAR DETAIL ON 1/74.00 FOR ADDITIONAL INFORMATION FOR THE SC-GND-1.  
 KEYNOTES: (E)  
 1. REFER TO T0.00 FOR TELECOMMUNICATIONS ROOM NUMBERS AND LOCATIONS.



**2 COMMUNICATIONS BONDING RISER DIAGRAM**

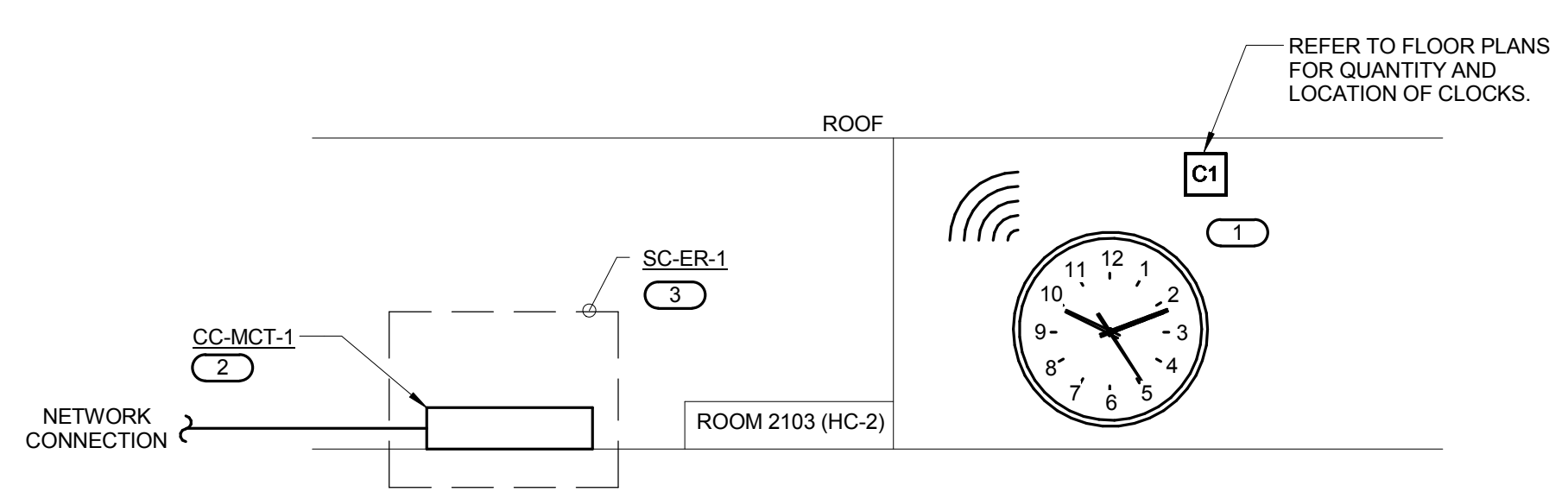
NO SCALE  
 NOTES:  
 1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CABLE TYPE. REFER TO FLOOR PLANS FOR SPECIFIC ROUTING AND QUANTITY INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.  
 2. ALL BONDING CONDUCTORS OF THE TELECOMMUNICATIONS SYSTEM SHALL BE MINIMUM SIZE OF 30 AWG (PLENUM RATED) COPPER CONDUCTORS (GREEN OR MARKED WITH A DISTINCTIVE GREEN COLOR) UNLESS DISTANCE IS LESS THAN 66 FEET, THEN REFER TO BONDING CONDUCTOR SIZING SCHEDULE FOR SIZING CRITERIA.  
 3. BONDING CONDUCTORS AND BONDING JUMPERS SHALL BE CONNECTED BY EXOTHERMIC WELDING, LISTED PRESSURE CONNECTORS, LISTED CLAMPS OR OTHER LISTED MEANS. SOLDER IS NOT AN ACCEPTABLE MEANS OF CONNECTION. SHEET METAL SCREWS SHALL NOT BE USED TO CONNECT COMMUNICATIONS BONDING CONDUCTORS TO EQUIPMENT.  
 4. REFER TO 3/74.00 FOR TYPICAL TELECOM ROOM BONDING FLOW DIAGRAM.  
 5. REFER TO T0.00 FOR TELECOMMUNICATIONS ROOM REFERENCES.

BONDING CONDUCTOR SIZING SCHEDULE		
CONDUCTOR LENGTH IN FEET	MINIMUM ACCEPTABLE SIZE - AWG	
LESS THAN 13'	6	
14' - 20'	4	
21' - 26'	3	
27' - 33'	2	
34' - 41'	1	
42' - 52'	1/0	
53' - 66'	2/0	
GREATER THAN 66'	3/0	



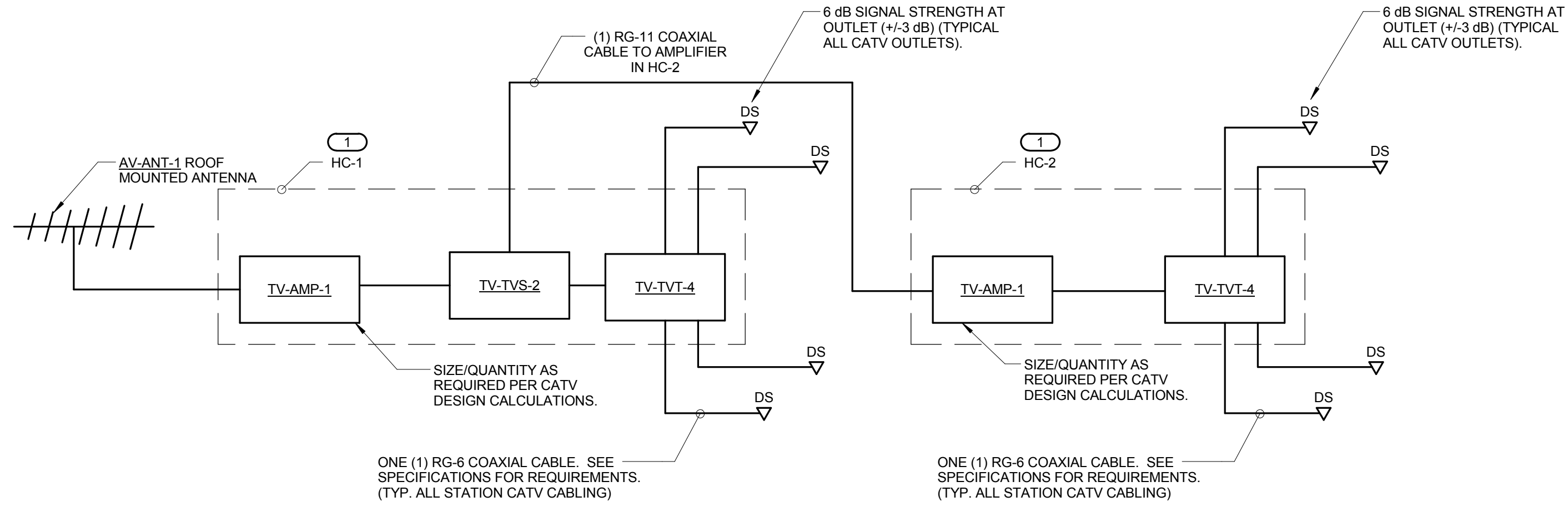
**1 BONDING BUS BAR DETAIL**

NO SCALE  
 NOTES:  
 1. REFER TO TECHNOLOGY EQUIPMENT SCHEDULE SC-GND-1 FOR WIDTH REQUIREMENTS.  
 2. REFER TO 3/74.00 FOR TYPICAL TELECOM ROOM BONDING FLOW DIAGRAM.



**4 WIRELESS GPS CLOCK RISER DIAGRAM**

NO SCALE  
 KEYNOTES:  
 (1) REFER TO FLOOR PLANS FOR QUANTITY AND LOCATION OF CLOCKS.  
 (2) THE CC-MCT-1 SHALL BE PROGRAMMED TO SYNCHRONIZE. PROVIDE ALL NECESSARY HARDWARE, PROGRAMMING AND COORDINATE CONNECTION AND PROGRAMMING WITH EQUIPMENT PROVIDER.  
 (3) ANTENNA MOUNTED ON TOP OF RACK.



**5 PARTIAL CATV RISER DIAGRAM**

NO SCALE  
 NOTES:  
 1. CONTRACTOR TO PROVIDE CATV SYSTEM TO ALLOW 6dB +/- 3dB OF OUTPUT AT ALL TV OUTLETS. ACTUAL TAP/SPLITTER SETTINGS, LAYOUT, AND AMP SIZING/QUANTITY TO BE INCLUDED IN CONTRACTOR'S FINAL DESIGN. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.  
 2. ALL CABLING IS TO BE RG-6 COAXIAL UNLESS OTHERWISE NOTED.  
 3. SEE PLANS FOR QUANTITY OF CABLES AND JACKS TO BE INSTALLED AT EACH TELEVISION OUTLET.  
 KEYNOTES:  
 1. REFER TO COVERPAGE AND FLOOR PLANS FOR TELECOMMUNICATIONS ROOM LOCATIONS.





ARCHITECT OF RECORD  
**DEMIONA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE  
 MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

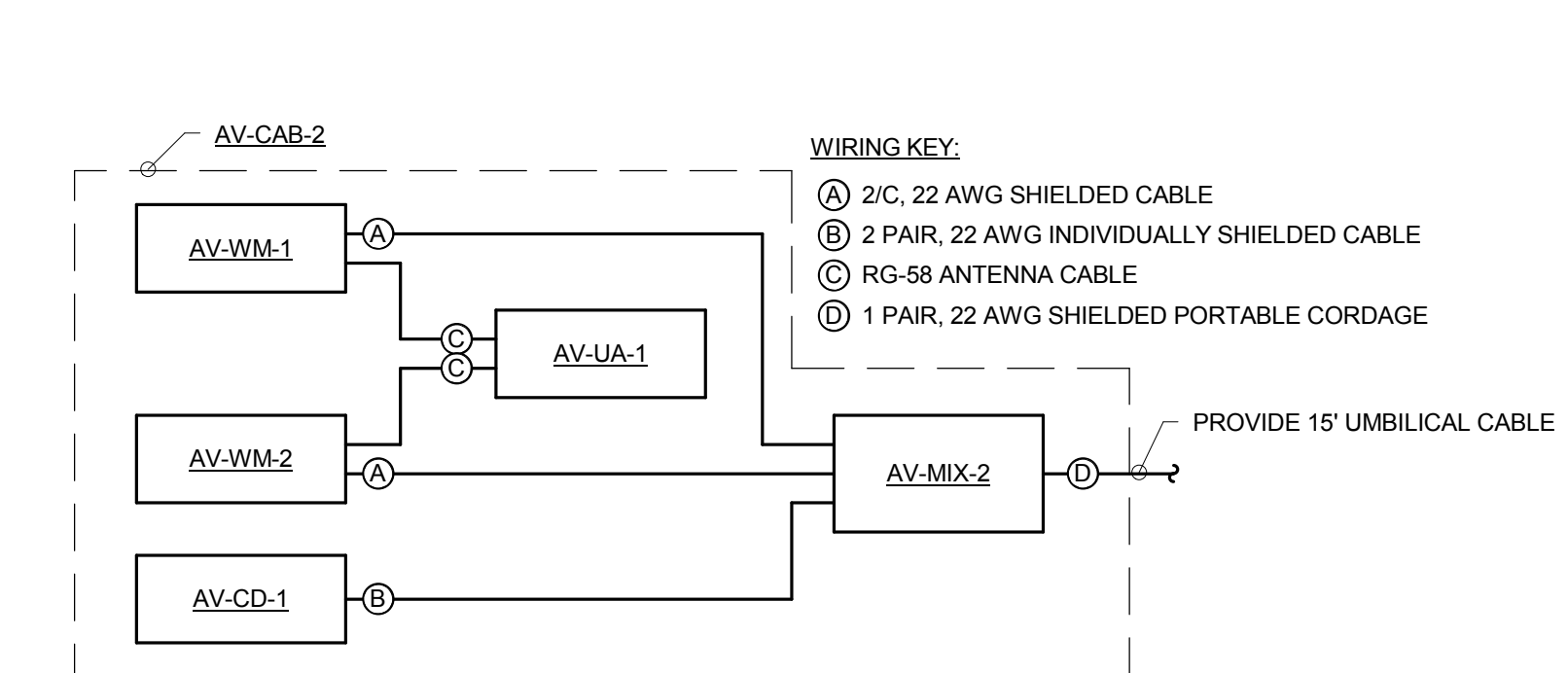
KEY PLAN:

SHEET STATUS: 7/17/15  
**BID PACKAGE 2  
 ISSUED FOR BID**

NO.	DESCRIPTION:	DATE:

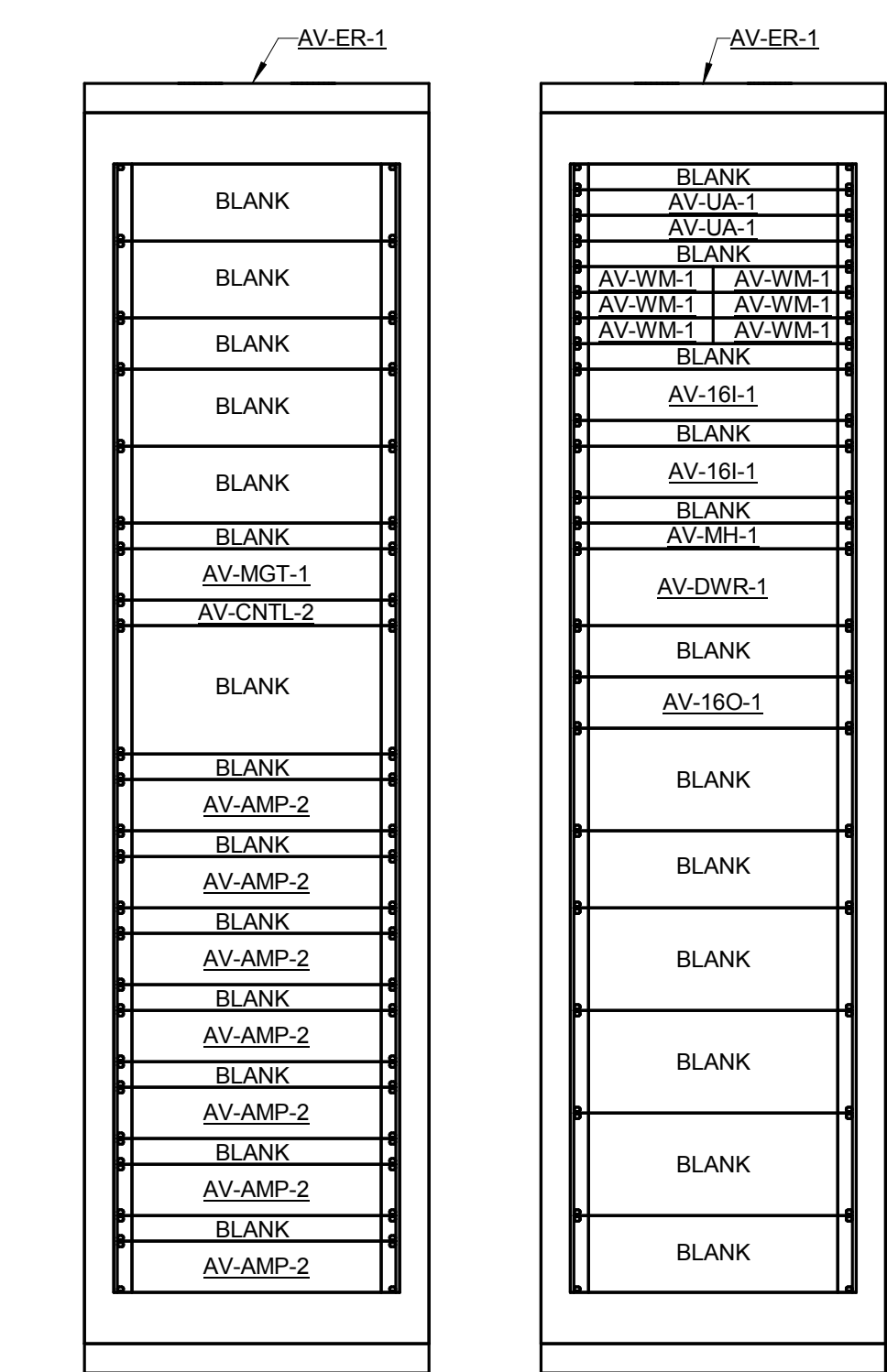
SHEET TITLE:  
**TECHNOLOGY FLOW  
 DIAGRAM**

SHEET NUMBER:  
**T6.00**

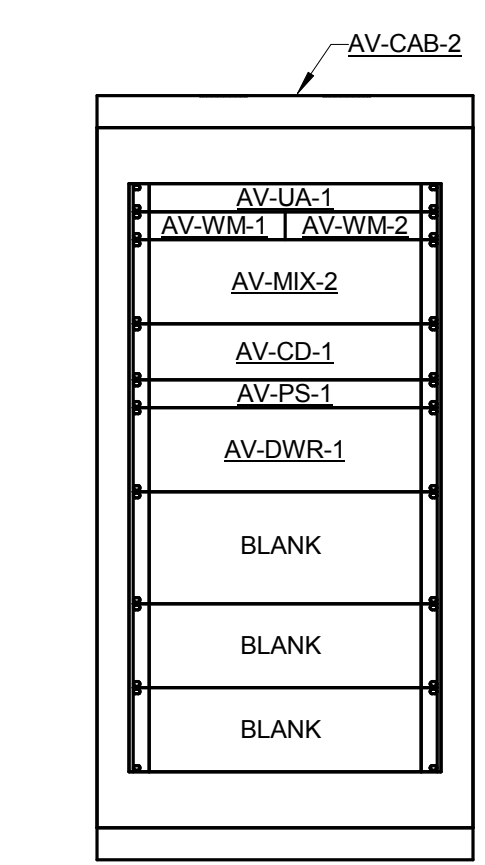


**2 SCORER'S TABLE AV RISER DIAGRAM**

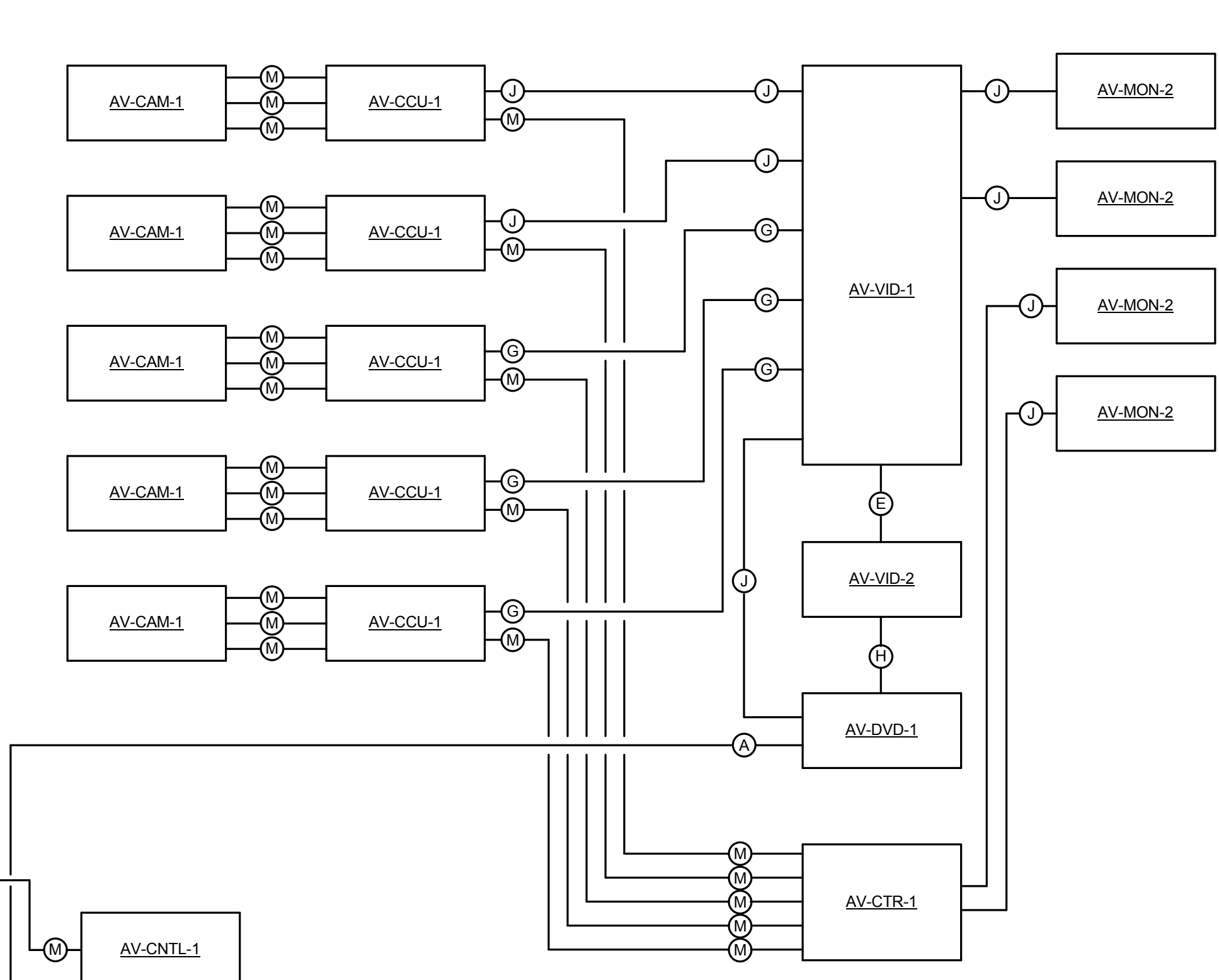
NO SCALE  
 NOTES:  
 1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CONDUCTOR TYPE. ALL CONNECTIONS AND SYSTEM DEVICES SHOWN ARE TYPICAL AND NOT REPRESENTATIVE OF ACTUAL PROJECT QUANTITIES. REFER TO FLOOR PLANS AND ENLARGED FLOOR PLANS FOR ACTUAL QUANTITIES AND LOCATIONS OF DEVICES AND MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.



**3 FIELDHOUSE AV SYSTEM RACK ELEVATION**  
 1" = 1'-0"



**4 SCORER'S TABLE AV RACK ELEVATION**  
 1" = 1'-0"



**WIRING KEY:**  
 (A) BALANCED XLR 22 AWG SHIELDED  
 (B) CAT 6 SHIELDED ETHERCON PATCH CABLE  
 (C) CAT 6 SHIELDED  
 (D) RG8 COAX CABLE  
 (E) EXTRON PRO SERIES HDMI  
 (F) 16 CHANNEL BALANCED XLR SNAKE  
 (G) HD-SDI COAX  
 (H) FIREWIRE  
 (I) RS-232  
 (J) HDMI  
 (K) SPEAKER LEVEL 2C 12 AWG  
 (L) SPEAKER LEVEL 2/C 16 AWG  
 (M) CAT 6 CABLE

**1 FIELD HOUSE AV FLOW DIAGRAM**

NO SCALE  
 NOTES:  
 1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CABLE TYPES. REFER TO FLOOR PLANS FOR QUANTITIES AND LOCATIONS.  
 2. REFER TO T7.00 FOR TECHNOLOGY EQUIPMENT SCHEDULE.  
 KEYNOTES: (#)  
 1. ROUTE AUDIO FEED TO PRESENTATION ROOMS 2001/2002 REFER TO T1.21 FOR LOCATION OF CLASSROOMS.

**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
**KJWW ENGINEERING**  
 1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, IL 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 DESIGN FIRM REGISTRATION #184-080773  
 PROJECT # 14044.00  
 KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 0 1 2 3





ARCHITECT OF RECORD  
**DEMIONA KEMPER ARCHITECTS**  
 125 N. HALSTED STREET, SUITE 301  
 CHICAGO, IL 60661  
 P: 312.496.0000

STRUCTURAL AND MEPFP ENGINEERING  
**KJWW ENGINEERING CONSULTANTS**  
 1100 WARRENVILLE RD. SUITE 400W  
 NAPERVILLE, IL 60563  
 P: 630.527.2320

CIVIL ENGINEERING  
**RUETTIGER, TONELLI & ASSOC., INC.**  
 2174 ONEDA ST.  
 JOLIET, IL 60435  
 P: 815.744.6600

**JOLIET JUNIOR COLLEGE**  
**MULTIPURPOSE FACILITY**  
 1215 HOUBOLT ROAD, JOLIET, IL 60431  
 DKA PROJECT NO: 14-004

KEY PLAN:

SHEET STATUS: 7/17/15  
**BID PACKAGE 2**  
**ISSUED FOR BID**

NO.	DESCRIPTION	DATE

SHEET TITLE:  
**TECHNOLOGY EQUIPMENT SCHEDULE**

SHEET NUMBER:  
**T7.00**

1100 WARRENVILLE ROAD, SUITE 400W  
 NAPERVILLE, ILLINOIS 60563  
 630.527.2320 FAX: 630.527.2321  
 WWW.KJWW.COM  
 PROJECT #: 14-004-00

Blank Design Form Registration #184-08973

KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, IN ALL DRAWINGS AND DOCUMENTS. SUCH DRAWINGS AND DOCUMENTS ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C.

REFERENCE SCALE IN INCHES  
 1" = 1'-0"

GENERAL TECHNOLOGY EQUIPMENT SCHEDULE		
THE TAG NAMES AND THE TECHNOLOGY EQUIPMENT SCHEDULE ARE FOR THE CONVENIENCE OF THE CONTRACTOR. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF QUANTITIES AND SHALL FURNISH ALL MATERIAL REQUIRED, WHETHER SPECIFIED OR NOT, TO PRODUCE A SATISFACTORY WORKING SYSTEM.		
CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE BUT ARE GIVEN ONLY TO AID THE CONTRACTOR IN THE SEARCH FOR MATERIAL. NO MATERIAL SHALL BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. EACH CONTRACTOR SHALL FIRST READ THE COMPLETE DESCRIPTION OF THE MATERIAL ON THESE DRAWINGS AND SPECIFICATIONS. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN. "STANDARD COLOR" INDICATES FACTORY FINISH AVAILABLE AT NO ADDITIONAL CHARGE.		
EQUIPMENT LIST ABBREVIATION	EQUIPMENT LIST DESCRIPTION	EQUIPMENT LIST MANUFACTURER AND MODEL
SC-IO-C	INFORMATION OUTLET, CEILING MOUNT, 2-PORT COVERPLATE AS INDICATED ON DRAWINGS. REFER INFORMATION OUTLET SCHEDULE ON SHEET T0.00 FOR PIN CONFIGURATION. * # * INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION AS INDICATED ON THE PLANS. REFER TO INFORMATION OUTLET SCHEDULE ON SHEET T0.00 FOR DETAILS.	COVERPLATE: PANUDIIT CF20W JACK PANUDIIT (CAT6) CJ888TG1W
SC-IO-FB	INFORMATION OUTLET, FLOORBOX OR POKE-THROUGH MOUNT, 2, 4, 6-PORT COVERPLATE AS INDICATED ON DRAWINGS. REFER TO INFORMATION OUTLET SCHEDULE ON SHEET T0.00 FOR DETAILS. * # * INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION AS INDICATED ON THE PLANS. REFER TO INFORMATION OUTLET SCHEDULE ON SHEET T0.00 FOR DETAILS.	COVERPLATE: PANUDIIT CF20W CFP4W CFP8W JACK PANUDIIT (CAT6) CJ888TG1W
SC-IO-W	INFORMATION OUTLET, WALL MOUNT, 2, 4-PORT COVERPLATE AS INDICATED ON DRAWINGS. REFER TO INFORMATION OUTLET SCHEDULE ON SHEET T0.00 FOR DETAILS. * # * INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION AS INDICATED ON THE PLANS. REFER TO INFORMATION OUTLET SCHEDULE ON SHEET T0.00 FOR DETAILS.	COVERPLATE: PANUDIIT CF20W CFP4W
SC-LR-1	LADDER RACK, 18" W TUBULAR STEEL CONSTRUCTION, RUST RESISTANT ENAMEL FINISH, REMOVE SHARP BURRS FROM LADDER RACK AND REPAIR ALL AREAS THAT HAVE BEEN FIELD MODIFIED, CUT OR EXPOSED. U.L. LISTED.	HOMACO INC. TR10-18
SC-MPP-1	MODULAR PATCH PANEL, 48 MODULAR RJ-45 TERMINATIONS, MOUNTS DIRECTLY TO EIA/TIA STANDARD 19" REAR RACK. PORT IDENTIFICATION NUMBERS, PROVIDED WITH COLOR CODING AND LABEL HOLDER KITS, U.L. LISTED. REQUIRES (2) 1.75" MOUNTING SPACES.	PANUDIIT CAT 6 CFP48FWHVLB
SC-PS-1	POWER STRIP, HORIZONTALLY MOUNTS IN A STANDARD EIA/TIA 19" RACK, (10) REAR RECEPTACLES, 125VAC/60Hz, PROVIDE WITH 10'-0" CORD. INTERNAL CIRCUIT BREAKER, U.L. LISTED. REQUIRES (1) 1.75" MOUNTING SPACE.	HUBBELL HPWPWR
SC-RI-W	INFORMATION OUTLET ROUGH-IN (WALL). INSTALL 4" SQUARE WITH SINGLE GANG PLASTER RING. INSTALL A 1" EMT CONDUIT TO ABOVE ACCESSIBLE CEILING.	JACK PANUDIIT (CAT 6) CJ888TGBL
SC-TTB	TELECOMMUNICATIONS TERMINAL BOARD, 4" X 8" X 3/4" A-C GRADE FIRE RATED PLYWOOD. EXPOSED SIDE SHALL BE SMOOTH. MOUNT VERTICALLY WITH TOP OF PLYWOOD AT 88" A.F.F.	HUBBELL HPWPWR
SC-WM-1	DUAL SIDE VERTICAL WIRE MANAGER, 8 3/4" X 4 9/16" X 1/2". INCLUDES HINGED COVERS, CABLE RETAINERS, MOUNTING BRACKETS AND #12-24 SCREWS. BLACK POWDER COATED.	PANUDIIT WMPV45E
SC-WP-W	INFORMATION OUTLET, WALL PHONE. PROVIDE (1) RJ-45 JACK FOR VOICE AT 48" AFF FOR WALL HUNG PHONE. PROVIDE WITH STAINLESS STEEL FACEPLATE, MATING LUGS. INSTALL INFORMATION OUTLET IN A 4" SQUARE BACKBOX WITH A SINGLE GANG PLASTER RING. INSTALL A 3/4" EMT CONDUIT TO NEAREST ACCESSIBLE CEILING.	COVERPLATE: PANUDIIT KWPPRY JACK PANUDIIT CAT 6 CJ888TG1W
TV-AMP-1	BROADBAND DISTRIBUTION AMPLIFIER, 40-1000 MHZ FREQUENCY RANGE, +40 dBmV OUTPUT LEVEL, POWER DOUBLING CAPABILITY, ALUMINUM CHASSIS, WALL MOUNTED, BUILT-IN VARIABLE GAIN AND SLOPE CONTROLS WITH 10 dB GAIN CONTROL RANGE AND 8 dB SLOPE CONTROL RANGE. INPUT AND OUTPUT TEST PORTS, PROVIDES TEMPERATURE STABILITY, LINE TRANSIENT PROTECTION.	BLONDER TONGUE BIDA-100A-300
TV-IVS-2	2-WAY SPLITTER, 10-1000 MHZ FREQUENCY RANGE, IN-LINE, RF SHIELDING, MOUNTING TABS AND GROUNDING BLOCKS, DIE CAST HOUSING. OUTPUT LOSSES WILL VARY. PROVIDE PER INSTALLATION REQUIREMENTS.	BLONDER TONGUE SUV-2
TV-TVT-4	4-WAY DIRECTIONAL COUPLER/TAP, 5-1000 MHZ FREQUENCY RANGE, RF SHIELDING, DIE CAST HOUSING. ISOLATION OUTPUTS AND THRU-LINE LOSSES WILL VARY. PROVIDE PER INSTALLATION REQUIREMENTS.	BLONDER TONGUE SUV-2

GENERAL TECHNOLOGY EQUIPMENT SCHEDULE		
THE TAG NAMES AND THE TECHNOLOGY EQUIPMENT SCHEDULE ARE FOR THE CONVENIENCE OF THE CONTRACTOR. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF QUANTITIES AND SHALL FURNISH ALL MATERIAL REQUIRED, WHETHER SPECIFIED OR NOT, TO PRODUCE A SATISFACTORY WORKING SYSTEM.		
CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE BUT ARE GIVEN ONLY TO AID THE CONTRACTOR IN THE SEARCH FOR MATERIAL. NO MATERIAL SHALL BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. EACH CONTRACTOR SHALL FIRST READ THE COMPLETE DESCRIPTION OF THE MATERIAL ON THESE DRAWINGS AND SPECIFICATIONS. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN. "STANDARD COLOR" INDICATES FACTORY FINISH AVAILABLE AT NO ADDITIONAL CHARGE.		
EQUIPMENT LIST ABBREVIATION	EQUIPMENT LIST DESCRIPTION	EQUIPMENT LIST MANUFACTURER AND MODEL
AV-PS-1	RACK MOUNTED AC POWER STRIP WITH SURGE PROTECTION. UNIT SHALL ACCOMMODATE 20 AMPS AND PROVIDE AT LEAST (9) OUTLETS ON THE BACK AND (1) ON THE FRONT.	MIDDLE ATLANTIC PD-920R-SP
AV-RCV-1	DIGITAL MEDIA RECEIVER, MOUNT AT PROJECTOR. PROVIDES (1) HDMI OUTPUT. PROVIDE ALL CABLES REQUIRED FOR INSTALLATION AND OPERATION.	EXTRON DTP HDMI 4K 230 RX NO SUBSTITUTION
AV-RCV-2	DIGITAL MEDIA RECEIVER WALL PLATE. MOUNT BEHIND MONITOR. PROVIDES (1) HDMI OUTPUT. PROVIDE ALL CABLES REQUIRED FOR INSTALLATION AND OPERATION. PROVIDE 4" SQUARE BOX WITH DOUBLE GANG VERTICAL RING AND 3/4" CONDUIT TO ACCESSIBLE CEILING OR TO FLOOR BOX. COORDINATE COLOR WITH ARCHITECT.	EXTRON DTP HDMI 4K 230D RX NO SUBSTITUTION
AV-S1-C	SELF AMPLIFIED SPEAKER SYSTEM CONSISTING ON (1) MASTER SPEAKER WITH AMPLIFIER AND (3) SLAVE SPEAKERS.	OVI AMP15GRN4 OVI AMP15GRN2
AV-S3-C	SELF AMPLIFIED SPEAKER SYSTEM CONSISTING ON (1) MASTER SPEAKER WITH AMPLIFIER AND (1) SLAVE SPEAKER.	JBL AM521200
AV-SP1-C	PERFORMANCE AUDIO SPEAKER, CEILING MOUNTED. FULL RANGE 12 INCH TWO WAY, 1 INCH D30/2010A, TITANIUM HF COMPRESSION DRIVER, 100 X 100 CONSTANT DIRECTIVITY HORN, 300 WATT CONTINUOUS POWER HANDLING, 1200W PEAK, 12" WOOFER, 50-20KHZ FREQUENCY RESPONSE, 99dB 1W/1M. PROVIDE WITH M2000 MOUNTING BRACKET.	JBL CONTROL 67PT1
AV-SP2-C	FULL RANGE PENDANT SPEAKER WITH SILK DOME TWEETER FOR HIGH FIDELITY SOUND QUALITY, 58 HZ-18 KHZ FREQUENCY RESPONSE, 90 DB SENSITIVITY, 120 DEGREE COVERAGE ANGLE, 8 OHMS RATED IMPEDANCE, 60W MULTI TAP TRANSFORMER WITH 7.5 W, 15W, 30W AND 60W. AVAILABLE IN BLACK OR WHITE COLOR.	NO SUBSTITUTION
AV-SP3-C	COAXIALLY MOUNTED 6.5 IN WOOFER WITH BUTYL RUBBER SURROUND AND 3/4 IN TITANIUM COATED DIFFRACTION LOADED TWEETER, HIGH POWER, WIDE FREQUENCY RESPONSE AND LOW DISTORTION FOR HIGH SOUND LEVEL CAPABILITY AND BUILT IN 70.7 / 100 VOLT TRANSFORMER WITH SELECTABLE TAPS, VIA ROTARY SWITCH WITH INTEGRATED BACKGANG.	JBL CONTROL 28 CT TANNOY E-V
AV-SW-1	MEDIA PRESENTATION SWITCH, HIGH DEFINITION MULTI MEDIA SWITCHER, MIC MIXER, AUDIO DSP, AMPLIFIER AND CONTROL SYSTEM. ABILITY TO HANDLE RGB, COMPOSITE, S-VIDEO, COMPONENT AND STEREO AUDIO ANALOG SOURCES. HDMI, DVI, DISPLAY PORT, MULTIMODE, HO BASE 1 AND S/PDIF DIGITAL SOURCES. MATRIX ROUTING 8 X 4.	EXTRON DTP CROSSPOINT IPCP MA70 (60-1388-13A) NO SUBSTITUTION
AV-TV-MNT	PROVIDE WALL MOUNTED ARM AND ACCESSORIES FOR HORIZONTAL MOUNTING OF DUAL 55" MONITORS. COORDINATE WITH ARCHITECT FOR CONNECTION TO BUILDING STRUCTURE. VERIFY DIMENSIONS OF OWNER FURNISHED MONITOR PRIOR TO ORDERING MOUNTING HARDWARE.	PEERLESS HORIZONTAL ARM WMJ022 EXTENSION COLUMN EXT102 BACK TO BACK BOX PLS-1 UNIVERSAL ADAPTOR BRACKET PLP-UNL
AV-TX-1	PROVIDES A REMOTE INPUT CONNECTION FOR HDMI AND RGB SOURCES AS PART OF A COMPLETE DIGITAL MEDIA SYSTEM. CONNECTS TO THE INPUT OF A DTP SWITCHER OR RECEIVER VIA DM 8G CABLE OR CAT5E. INCLUDES A USB HID DEVICE PORT, ALLOWING A MOUSE/KEYBOARD TO BE CONNECTED FOR CONTROLLING A COMPUTER OR OTHER HOST DEVICE AT A DIFFERENT LOCATION.	EXTRON DTP HDMI 4K 230 TX NO SUBSTITUTION
AV-UA-1	WIRELESS MICROPHONE ANTENNA DISTRIBUTION SYSTEM.	SHURE UA 844-SWB OVI AMP5TVCW
AV-VC1-W	VOLUME CONTROL WITH 3.5MM INPUT. PROVIDE 4" SQUARE BOX WITH SINGLE GANG RING AND 3/4" CONDUIT TO ACCESSIBLE CEILING.	ROLAND V-800HD
AV-VID-1	MULTI-FORMAT VIDEO SWITCHER, PROVIDES (8) EIGHT INPUTS (4 SDI / HDSDI / COMPOSITE, 4 DVI / HDMI / RGB / COMPONENT), (6) SIX OUTPUTS (2 SDI / HDSDI, 2 DVI-D / HDMI / RGB / COMPONENT), PROVIDE RACK MOUNT KIT AS REQUIRED.	ROLAND VC-30HD AUDIX SENNHEISER
AV-VID-2	AUDIO / VIDEO CONVERTER, SUPPORTS HDMI, COMPONENT, COMPOSITE AND S-VIDEO WITH ANALOG OR DIGITAL AUDIO. PROVIDES THREE SIMULTANEOUS OUTPUTS THROUGH IE1394, USB AND FIVE EVENT VIDEO ENCODING / STREAMING.	DA LITE 34528LS DRAPER STEWART DRAPER STEWART
AV-VPS-1	CEILING MOUNTED RECESSED ELECTRIC VIDEO PROJECTION SCREEN, TENSIONED ADVANTAGE ELECTROL, 113 INCH DIAGONAL, 16X10 FORMAT DA-MAT SURFACE WITH BUILT IN LOW VOLTAGE CONTROL AND SILENT MOTOR.	DA LITE 34528LS DRAPER STEWART
AV-VPS-2	CEILING MOUNTED RECESSED ELECTRIC VIDEO PROJECTION SCREEN, TENSIONED ADVANTAGE ELECTROL, 94 INCH DIAGONAL, 16X10 FORMAT DA-MAT SURFACE WITH BUILT IN LOW VOLTAGE CONTROL AND SILENT MOTOR.	EXTRON SHARELINK 200 NO SUBSTITUTION
AV-WIR-1	WIRELESS COLLABORATION GATEWAY, IEEE 802.11 b/g/n 3.4 GHz, UPTO 300 MBPS, (2) DUAL DIPOLE ANTENNA, COVERAGE UPTO 300 FT. PROTOCOL: TCP-IP, SNMP, S/NTP/MP, OUTPUT: (1) HDMI, (1) DVI-D, (1) ANALOG STEREO, RJ-45 CONNECTOR, (3) HIGH SPEED USB, 100-240 VAC, 50-60 HZ, COMPLIES WITH 802.3	SHURE ULSX4 ULSX2/58 WL185 ULX1
AV-WM-1	WIRELESS MICROPHONE SYSTEM, UHF WITH 1400 SELECTABLE FREQUENCIES. SYSTEM INCLUDES PROFESSIONAL DIVERSITY RECEIVER, HANDHELD TRANSMITTER, LAVALIERE CONDENSER MICROPHONE AND BODY PACK. PROVIDE S/M8 MICROPHONE OPTION WITH HANDHELD TRANSMITTER. REQUIRES (1) 1.75" MOUNTING SPACES.	SHURE ULSX14/30 AUDIX SENNHEISER
AV-WM-2	WIRELESS MICROPHONE SYSTEM, UHF WITH 1400 SELECTABLE FREQUENCIES. SYSTEM INCLUDES PROFESSIONAL DIVERSITY RECEIVER, BODYPACK TRANSMITTER, HEADWORN CONDENSER MICROPHONE. REQUIRES (1) 1.75" MOUNTING SPACES.	SHURE ULSX2/58 WL185 ULX1
AV-WM-3	DUAL WIRELESS MICROPHONE SYSTEM, UHF WITH 1400 SELECTABLE FREQUENCIES. SYSTEM INCLUDES PROFESSIONAL (2) DIVERSITY RECEIVER, HANDHELD TRANSMITTER, LAVALIERE CONDENSER MICROPHONE AND BODY PACK. PROVIDE S/M8 MICROPHONE OPTION WITH HANDHELD TRANSMITTER. REQUIRES (1) 1.75" MOUNTING SPACES.	SHURE ULSX2/58 WL185 ULX1
AV-WP1-C	4" SQUARE BOX WITH SINGLE GANG RING AND 3/4" EMT CONDUIT TO ACCESSIBLE CEILING SPACE FOR ASSISTIVE LISTENING ANTENNA.	PROCO WPUBA1004 WITH ETHERCON
AV-WP1-F	DIGITAL MEDIA TRANSMITTER MOUNTED IN FLOOR BOX BELOW TABLE. PROVIDE 3/4" CONDUIT TO BEHIND AV-MON-1. THE UNIT SHALL PROVIDE SIMPLE SWITCHING BETWEEN TWO INPUTS, HDMI AND VGA. THE INPUTS CAN BE CONFIGURED TO SWITCH AUTOMATICALLY OR BE SELECTED THROUGH A CONTROL SYSTEM. THE UNIT WILL PERFORM AUTOMATIC AV SIGNAL FORMAT MANAGEMENT VIA EDID AND INCLUDE A USB HID KEYBOARD/MOUSE PORT.	PROCO WPUBA1004 WITH ETHERCON
AV-WP1-W	PROVIDES A REMOTE WALL PLATE INPUT CONNECTION FOR HDMI AND RGB SOURCES AS PART OF A COMPLETE DIGITAL MEDIA SYSTEM. CONNECTS TO THE INPUT OF A DTP SWITCHER OR RECEIVER VIA DM 8G CABLE OR CAT5E. INCLUDES A USB HID DEVICE PORT, ALLOWING A MOUSE/KEYBOARD TO BE CONNECTED FOR CONTROLLING A COMPUTER OR OTHER HOST DEVICE AT A DIFFERENT LOCATION. MOUNTS IN A DOUBLE-GANG ELECTRIC BOX. INSTALL AT OUTLET HEIGHT WITH 3/4" CONDUIT TO ACCESSIBLE CEILING.	PROCO CUSTOM
AV-WP2-W	CUSTOM DOUBLE GANG SS WALL PLATE WITH (2) NEUTRIK NC3FD SERIES AND (2) NC3MD SERIES CONNECTORS, INSTALL WITHIN 4" SQUARE BOX. PROVIDE (1) 1" CONDUIT TO AV-ER-1	PROCO WPBA1066 WHIRLWIND
AV-WP3-W	AV WALL PLATE WALL, CUSTOM SINGLE GANG STAINLESS STEEL WALL PLATE WITH (2) NETWORK ETHERCON CONNECTOR, INSTALL WITHIN 4" SQUARE BACK BOX. PROVIDE (1) 1" CONDUIT BACK TO AV ROOM 1120 B	RDL D-CUB3 & 48X ZC-8 NO SUBSTITUTION
AV-WP4-W	AV WALL PLATE WALL, CUSTOM SINGLE GANG STAINLESS STEEL WALL PLATE WITH (2) NETWORK ETHERCON CONNECTOR, INSTALL WITHIN 4" SQUARE BACK BOX. PROVIDE (1) 1" CONDUIT BACK TO AV ROOM 1120 B	PROCO WPUBA1004 WITH ETHERCON
AV-WP5-W	CUSTOM DOUBLE GANG DECORA AV INPUT WALL PLATE WITH (1) NEUTRIK NC3FD XLR INPUT AND (1) 3.5MM AND DUAL RCA INPUTS WITH BALANCING TRANSFORMER. PROVIDE 4" SQUARE BOX WITH DOUBLE GANG RING AND 3/4" CONDUIT TO AV-ER-1. COORDINATE MOUNTING HEIGHT AND FINISH WITH ARCHITECT.	PROCO CUSTOM
AV-WP6-W	AV WALL PLATE, WITH (1) NEUTRIK NC3FD AND (1) NEUTRIK NC3MD. INSTALL WITHIN 4" SQUARE BACK BOX WITH SINGLE GANG PLASTER RING, PROVIDE (1) ONE 1" CONDUIT ROUTED BACK TO AV ROOM 1102B FOR FIELD HOUSE AV SYSTEM.	PROCO WPBA1066 WHIRLWIND
AV-WP7-W	2 GANG DECORA AV INPUT WALL PLATE WITH (1) 3.5MM AND DUAL RCA INPUTS WITH BALANCING TRANSFORMER AND VOLUME CONTROL. PROVIDE 4" SQUARE BOX WITH DOUBLE GANG RING AND 3/4" CONDUIT TO AV-ER-1. PROVIDE 2 GANG DECORA FACE PLATE. COORDINATE MOUNTING HEIGHT AND FINISH WITH ARCHITECT.	RDL D-CUB3 & 48X ZC-8 NO SUBSTITUTION
AV-ZCB-1	WALL MOUNT ZONE CONTROLLER, PROVIDES COMPUTER PROGRAMMABLE ROTARY POTENTIOMETER AND PUSH BUTTON CONTROL FOR VOLUME AND MUTE FUNCTION. INSTALL WITHIN 4" SQUARE BACKBOX WITH (1) ONE 1" CONDUIT ROUTED BACK TO AREA SERVING AV ROOM 1102B	DBX ZC-9 DBX ZC-2
AV-ZC8	WALL MOUNT ZONE CONTROLLER, PROVIDES COMPUTER PROGRAMMABLE ROTARY SWITCH FOR SOURCE SELECTION AND PUSH BUTTON CONTROL FOR VOLUME. INSTALL WITHIN 4" SQUARE BACKBOX WITH (1) ONE 1" CONDUIT ROUTED BACK TO AREA SERVING AV ROOM 1102B	DBX ZC-9 DBX ZC-2
CC-C1-W	WIRELESS ANALOG CLOCK, 12" 18" ROUND, REQUIRES 115 VAC FOR POWER HAS THE ABILITY TO SYNC IN 5 MINUTES AUTOMATICALLY. COORDINATE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.	AMERICAN TIME AND SIGNAL SINGLE FACE SQ56BAAD304R
CC-MCT-1	REMOTE CLOCK SYSTEM TRANSMITTER/CONTROLLER WITH 10 WATT OUTPUT, ETHERNET SYNC AND MAGNETIC MOUNT ANTENNA. FCC LICENSE PROVIDED WITH SYSTEM.	DUAL FACE SQ98A02D204 AMERICAN TIME AND SIGNAL SSQR1M-10A0E NO SUBSTITUTION
IC-EP-W	DUAL DUPLEX EMERGENCY SPEAKERPHONE WITH (4) ACTIVE TOUCH BUTTONS INPUTS. DUAL CALL PROGRESS INDICATORS AND CONFORMAL COATED PCB FOR EMERGENCY COMMUNICATION, 3 MB MEMORY STORAGE, MESSAGE PLAYBACK OPTIONS, POWER OVER ETHERNET 12-24V AC/DC@400 MA WITH OPTIONAL BATTERY BACKUP, (1) 1" EMT CONDUIT TO ABOVE ACCESSIBLE CEILING.	CODE BLUE IP5000 CB 6-P (ENCLOSURE) NO SUBSTITUTION
SC-ER-1	2 POST EQUIPMENT RACK, 48 RU, 84" X 20.31" X 37.5", STANDARD 19" MOUNTING SPACE, #12-24 THREADED MOUNTING HOLES, DURABLE BLACK POWDER COAT FINISH, MEETS EIA-310-E REQUIREMENTS, 1000 89A LOAD CAPACITY, UL LISTED.	PANUDIIT RFP NO SUBSTITUTION
SC-FDC-1	OPTICAL FIBER DISTRIBUTION CABINET, COMBINATION SHELF, 48 FIBER CAPACITY, SLIDE OUT RAILS TO FACILITATE FRONT ACCESS, JUMPER TROUGHS IN CONNECTOR PANELS TO REDUCE MOUNTING SPACE, PROVIDE WITH CLAMP AND GROUNDING KIT, COUPLING PANELS, LC CONNECTORS, COUPLINGS AND JUMPERS, REQUIRES (4) 1.75" MOUNTING SPACES.	PANUDIIT FMIR4 NO SUBSTITUTION
SC-GND-1	WALL-MOUNT GROUND BAR, 4" H X 12" L X 1/4" D COPPER, ELECTRICALLY ISOLATED BY INSULATORS INTEGRAL TO MOUNTING BRACKETS. PROVIDE UNIT CONFIGURED WITH SIXTEEN (16) SETS OF 5/16" HOLES SPACED 5/8" ON CENTER TO ACCOMMODATE 1/4" SPACED TWO-HOLE COMPRESSION LUGS AND THREE (3) SETS OF 7/16" HOLES SPACED 1" ON CENTER TO ACCOMMODATE "C" SPACED TWO-HOLE COMPRESSION LUGS. ANSII/EIA-310-B7 AND BICSI COMPLIANT. U.L. LISTED. REFER TO 474.00 FOR ADDITIONAL INFORMATION.	PANUDIIT GB480612TP-1 CHATSWORTH PRODUCTS ERICO HARGER
SC-HWM-1	HORIZONTAL WIRE MANAGEMENT, 3" X 3" RIGID FRONT FINGERS WITH FLEXIBLE RETENTION TABS, 2" X 5" FLEXIBLE REAR FINGERS, REMOVABLE FRONT COVER HINGES 180 DEGREES UP OR DOWN, INTERNAL BEND RADII CONTROL, PASS THROUGH HOLES ALLOW FRONT TO REAR CABLING. REQUIRES (2) 1.75" MOUNTING SPACES.	PANUDIIT WMPH2E NO SUBSTITUTION

GENERAL TECHNOLOGY EQUIPMENT SCHEDULE		
THE TAG NAMES AND THE TECHNOLOGY EQUIPMENT SCHEDULE ARE FOR THE CONVENIENCE OF THE CONTRACTOR. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF QUANTITIES AND SHALL FURNISH ALL MATERIAL REQUIRED, WHETHER SPECIFIED OR NOT, TO PRODUCE A SATISFACTORY WORKING SYSTEM.		
CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE BUT ARE GIVEN ONLY TO AID THE CONTRACTOR IN THE SEARCH FOR MATERIAL. NO MATERIAL SHALL BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. EACH CONTRACTOR SHALL FIRST READ THE COMPLETE DESCRIPTION OF THE MATERIAL ON THESE DRAWINGS AND SPECIFICATIONS. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN. "STANDARD COLOR" INDICATES FACTORY FINISH AVAILABLE AT NO ADDITIONAL CHARGE.		
EQUIPMENT LIST ABBREVIATION	EQUIPMENT LIST DESCRIPTION	EQUIPMENT LIST MANUFACTURER AND MODEL
AC-CR1-W	CARD READER ROUGH-IN, FLUSH MOUNT ON WALL OR AS NOTED ON PLANS. ALL SECURITY ROUGH-INS SHALL HAVE (1) 4" SQUARE BACKBOX WITH SINGLE GANG PLASTER RING, APPROPRIATE COVERPLATE, AND (1) 1" EMT CONDUIT TO ABOVE ACCESSIBLE CEILING. HEADEND EQUIPMENT AND CONNECTIONS FOR ACCESS CONTROL SHALL BE LOCATED IN HG-1. CARD READER ROUGH-IN SHALL BE MOUNTED AT 42" A.F.F. REFER TO 1/75.00 FOR DOOR ROUGH-IN DETAIL FOR MORE INFORMATION.	ROUGH-IN ONLY AVIOM 6416M
AC-CSS	ACCESS CONTROL SECURITY SYSTEM ROUGH-IN. REFER TO 1/75.00 FOR DOOR ROUGH-IN DETAIL FOR MORE INFORMATION.	ROUGH-IN ONLY AVIOM 6416M
AV-16I-1	A-NET INPUT MODULE, PROVIDES 16 BALANCED LINE LEVEL ANALOG INPUTS TO A PRO 64 AUDIO NETWORK OR DIGITAL SNAKE. REQUIRES (2) 1.75" MOUNTING SPACES.	AVIOM 6416I NO SUBSTITUTION
AV-16M-1	A-NET MICROPHONE INPUT MODULE, REMOTE CONTROLLABLE 16 CHANNEL MICROPHONE PREAMP FOR PRO 64 NETWORK. PROVIDES 16 XLR INPUTS INCLUDING PHASE, LOW CUT FILTER, PAD AND +48 V PHANTOM POWER. REQUIRES (3) 1.75" MOUNTING SPACES.	AVIOM 6416M NO SUBSTITUTION
AV-16O-1	A-NET OUTPUT MODULE, PROVIDES 16 BALANCED MICROPHONE OR LINE LEVEL ANALOG OUTPUTS FROM A PRO 64 NETWORK. SELECTABLE OUTPUT LEVELS OF +24 dBu, +18 dBu, +4 dBu AND MICROPHONE LEVEL, OR XLR'S. REQUIRES (2) 1.75" MOUNTING SPACES.	AVIOM 6416O NO SUBSTITUTION
AV-ALS-1	ASSISTIVE LISTENING SYSTEM, ADA STANDARD STATIONARY RF SYSTEM, INCLUDES (1) ONE RF TRANSMITTER 72 OR 216MHZ (1) ONE UNIVERSAL REMOTE ANTENNA KIT AV-ANT-2, (1) ONE UNIVERSAL RACK MOUNTING KIT, (4) FOUR PORTABLE RECEIVERS 72 AND 216MHZ, (4) FOUR EAR SPEAKERS, (2) TWO NECK LOOPS, (1) ASSISTIVE LISTENING NOTIFICATION SIGNAGE. PROVIDE ADDITIONAL RECEIVERS, SPEAKERS AND NECK LOOPS AS REQUIRED BASED ON SEATING CAPACITY. REFER TO SPECIFICATION SECTION 27 41 00 FOR ADDITIONAL INFORMATION. PROVIDE 4" SQUARE BOX WITH SINGLE GANG RING AND 3/4" EMT CONDUIT TO AV-ER-3. FOR AV-ANT-2.	LISTEN TECHNOLOGIES TRANSMITTER LT-850 RECEIVER LR-400 EAR SPEAKER LA-164 NECK LOOP LA-166 ANTENNA KIT LA-122 RACK KIT LA-328 WILLIAM SOUND
AV-AMP-1	200 WATT / 70 VOLT AMPLIFIER, FREQUENCY RESPONSE 100 HZ TO 20 KHZ, MOUNT IN RACK, COMPACT SINGLE CHANNEL POWER AMPLIFIER, ENERGY STAR QUALIFIED, TRANSFORMER ISOLATED OUTPUT, HIGH-EFFICIENCY CLASS D TOPOLOGY, CONNECTION COOLED, BALANCED LINE OUTPUT VIA TERMINAL BLOCK, BUILT IN STEREO TO MONO SLIMMING ELECTRONIC SHORT CIRCUIT AND PROTECTION OVERLOAD, SIMPLE VOLUME, BASS AND TREBLE ADJUSTMENTS.	EXTRON XPA 2001 NO SUBSTITUTION
AV-AMP-2	AMPLIFIER 2 CHANNEL, DIRECT CONSTANT VOLTAGE (70 V / 100 V / 140 V / 200 V) OR LOW IMPEDANCE (2 / 4 / 8 / 16 OHM) AMPLIFIER 2 CHANNEL, HIGH PASS FILTER FOR EACH CHANNEL, AB +B OUTPUT TOPOLOGY, 105 DB SIGNAL TO NOISE, < 0.1 % THD, 2 RU CHASSIS WITH +20 DBU MAX INPUT LEVEL.	CROWN COI 6000 QSC
AV-ANT-1	ROOF MOUNTED HDTV ANTENNA. PROVIDE WITH 1-1/2" 10' MAST. PROVIDE 1-1/2" WEATHER HEAD, COORDINATE ROOF LOCATION WITH ARCHITECT. PROVIDE (1) 1-1/2" CONDUIT TO HC-1. PROVIDE WITH ROHM JNR-2885 NON-PENETRATING BALLAST ROOF MOUNT AND (12) CONCRETE BLOCKS.	WINEGARD HD7696P CHANNEL MASTER RCA
AV-ANT-2	REMOTE MOUNT ANTENNA KIT. PROVIDE WITH TWO CEILING MOUNT BRACKETS AND 1/2 WAVE ANTENNA. INSTALL IN A 4" SQUARE BACKBOX WITH A SINGLE GANG PLASTER RING. INSTALL A 1" EMT CONDUIT TO ABOVE ACCESSIBLE CEILING AS INDICATED ON PLANS.	SHURE UA 86AUS AUDIX SENNHEISER
AV-ANT-C	REMOTE MOUNT ANTENNA KIT. PROVIDE WITH TWO CEILING MOUNT BRACKETS AND 1/2 WAVE ANTENNA. INSTALL IN A 4" SQUARE BACKBOX WITH A SINGLE GANG PLASTER RING. INSTALL A 1" EMT CONDUIT TO ABOVE ACCESSIBLE CEILING AS INDICATED ON PLANS.	SHURE UA 86AUS AUDIX SENNHEISER
AV-AUD-1	SOLID STATE AUDIO PLAYER, PROVIDES PLAYBACK FROM BOTH SD/SDHC CARDS AND EXTERNAL USB CONNECTED MEDIA (HDD OR FLASH).	DENON DNF200 MARANTZ RAXCESS ECR-12168T
AV-CAB-1	PORTABLE RACK WITH MIXER TOP. PROVIDES (12) TWELVE 19" W RACK SPACES ON TOP FOR MIXING CONSOLE, AND (16) SIXTEEN 19" W RACK SPACES FRONT FOR OUT BOARD EQUIPMENT. RACK INCLUDES CASTERS.	NO EQUAL MIDDLE ATLANTIC PTRK 21
AV-CAB-2	FULLY WELDED 16-GAUGE PORTABLE RACK WITH (21) RACK UNITS AND SOLID LOCKING FRONT DOOR, 4" LOCKING CASTERS, RUBBER PADDED SPRING LOADED RECESSED HANDLES AND 500 POUND WEIGHT CAPACITY. CONTRACTOR TO COORDINATE WITH OWNER FOR EXACT STORAGE LOCATION FOR RACK.	ATLAS LOWELL
AV-CAB-3	7 RU WALL MOUNTED EQUIPMENT CABINET WITH LOCKING FRONT DOOR. PROVIDE WITH SC-PS-1 POWER STRIP AND MOUNTING SHELVES FOR POWER SUPPLIES.	MIDDLE ATLANTIC SR1 LOWELL ATLAS
AV-CAM-1	WALL MOUNTED ROBOSHOT 30 HD PTZ PROFESSIONAL VIDEO CAMERA WITH 30X AND TRI-SYNCHRONOUS MOTION. PROVIDE WITH QUICK CONNECT CCU (AV-CCL-1) AND THIN PROFILE WALL MOUNT. PROVIDE 4" SQUARE WITH DOUBLE GANG RING AND 3/4" CONDUIT TO AV-ER-1.	VADDIO 999-9917-00 835-2000-240 NO SUBSTITUTION
AV-CD-1	RACK MOUNTED CD NETWORK PLAYER WITH (2) USB INPUTS, DIGITAL COAXIAL INPUT AND TOS OPTICAL INPUT, ALONG WITH BALANCED OUTPUT.	TASCAM CD-240 DENON
AV-CNL-1	WALL MOUNTED WIRED 7" WIDESCREEN ACTIVE-MATRIX COLOR TOUCH SCREEN. POE NETWORK POWERED. INCLUDE B8710M BACKBOX. PROVIDE 3/4" EMT CONDUIT TO AV-ER-1 OR AV-ER-3. COORDINATE COLOR WITH ARCHITECT. PROVIDE WITH KTP-P1 100 POE POWER INJECTOR.	EXTRON TMP PRO 720M NO SUBSTITUTION
AV-CNL-2	CONTROL PROCESSOR WITH LINK LICENSE, (2) BI-DIRECTIONAL RS-232 PORTS, ONE BI-DIRECTION RS-232/R2-422/RS-485 SERIAL PORT, (2) SERIAL PORTS, (4) RELAYS, ETHERNET MONITORING AND CONTROL AND INTEGRATED 3 PORT NETWORK SWITCH. PROVIDE WITH RACK MOUNT KIT.	EXTRON PCP PRO 350 NO SUBSTITUTION
AV-CTR-1	AV PRECISION CAMERA CONTROLLER WITH INTEGRAL JOYSTICK AND SEVEN CAMERA CONTROL PORTS, ON-BOARD PRESETS, CCU EXPOSURE AND COLOR CONTROL FUNCTIONS WITH EXTERNAL CONTROL CAPABILITY.	VADDIO 999-5700-00 BLUSCAM BD-R2000
AV-DVD-1	HD / Blu-RAY / DVD WITH 500 GB INTERNAL HD, SD, SDMC AND SLOT. PROVIDES HDMI 1.3A OUTPUT, COMPOSITE COMPONENT AND S-VIDEO AND OPTIONAL DIGITAL OUTPUTS. INCLUDES RS-232 SERIAL CONTROL PORT, 19" W X 3.5" H. REQUIRES (1) 1.75" MOUNTING SPACES.	DENON MARANTZ MIDDLE ATLANTIC D3LK LOWELL ATLAS
AV-DWR-1	HEAVY DUTY 3RU STORAGE DRAWER WITH FULLY ENCLOSED TOP, 50 POUND WEIGHT CAPACITY AND INSTALLED KEY LOCK.	MIDDLE ATLANTIC MRK-1425AV MIDDLE ATLANTIC 2-6M COPPER B LINE WINSTEED
AV-ER-1	AV CABINET 44 RU WITH SIDES, AND LOCKING FRONT AND REAR DOORS.	MIDDLE ATLANTIC EWR-16-265D ATLAS LOWELL
AV-ER-2	DESKTOP EQUIPMENT RACK, 10-1/2" RACK HEIGHT WITH EIA 19" WIDE MOUNTING RAILS BOTH FRONT AND REAR, 6 RU MOUNTING SPACE WITH 18" DEPTH AT THE BOTTOM AND 15.9" MOUNTING DEPTH AT THE TOP. OVERALL DIMENSIONS 22" W X 18" D X 12-3/4" H.	MIDDLE ATLANTIC EWR-16-265D ATLAS LOWELL
AV-ER-3	FLOOR MOUNTED EQUIPMENT RACK WITH 16 RU, SIDE PANELS AND FRONT AND REAR DOORS. PROVIDE WITH SURGE SUPPRESSIVE AC POWER STRIPS TO ACCOMMODATE ALL RACK MOUNTED EQUIPMENT.	ATLAS LOWELL
AV-FP-1	CUSTOM FLOOR INPUT/OUTPUT PLATE MOUNTED IN FSR FL-500P-4 WITH FL-500P-SLD COVER FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. AV CONTRACTOR TO PROVIDE ALL CONNECTIONS REQUIRED FOR REMOVAL OF THE FLOORING IN EACH OF THE TRAINING ROOMS. PROVIDE (1) 1-1/2" AND (1) 1" C TO ACCESSIBLE CEILING FROM EACH FLOOR BOX.	FSR FL-500P-4 WITH FL-500P-SLD NO SUBSTITUTION
AV-MGT-1	LOUD SPEAKER MANAGEMENT SYSTEM, PROVIDES FULL BANDPASS FILTER CROSSOVERS AND ROUTING CONFIGURATIONS, 31 BAND GRAPHIC EQ AND 9 BAND PARAMETRIC EQ, DRIVER ALIGNMENT DELAYS AND QVGA DISPLAY.	DBX DRIVERACK 4820 NO SUBSTITUTION
AV-MH-1	A-NET MERGER HUB, PROVIDES 10 PORTS OF BIDIRECTIONAL PARALLEL CONNECTIONS IN A PRO 64 NETWORK. DISTRIBUTES AND MERGES UP TO 10 PRO 64 STREAMS ON ETHERCON CONNECTORS. REQUIRES (1) 1.75" MOUNTING SPACES.	AVIOM MH10 NO SUBSTITUTION
AV-MIX-1	MIXING CONSOLE, 16 MIC/LINE INPUT 32 CHANNEL COMPACT CONSOLE. PROVIDES 32 MONO PLUS 4 STEREO MIXING CHANNELS WITH 16 GROUP MIX BASSES, 8 MATRIX AND STEREO OR MONO MAIN MIX OUTPUT. INCLUDES ONE MINI - YGDAI EXPANSION SLOT WITH 16 IN/OUT AND 24 BIT AD/DA CONVERSION. PROVIDE WITH RKI RACK MOUNT KIT.	YAMAHA LS9-16 NO SUBSTITUTION
AV-MIX-2	RACK MOUNTED 12 CHANNEL MIXER WITH (8) MIC/LINE INPUTS AND (2) STEREO BALANCED LINE INPUTS, 60MM FADERS, 10 SEGMENT LED STEREO METERS, 2 BAND HIGH/LOW SHELVING EQ PER CHANNEL, POWER AND PHANTOM POWER LED'S.	ALEXIS MLT1MX 12R BEHRINGER RX 1202FX SOUNDRAFT EPFX12 BMS LCD LOC II NO SUBSTITUTION
AV-MNT-1	PROJECTOR MOUNT AND BRACKET WITH #30 KEY LOCK.	PEERLESS STX64SL CHIEF PREMIER
AV-MNT-2	TILT WALL MOUNT BRACKET FOR 55" DISPLAY. PROVIDE WITH +15.5 DEGREES OF TILT AND FIXED TILT LOCK WITH 5 DEGREE INCREMENTS. PROVIDE WITH SECURITY LOCK. CONTRACTOR TO PROVIDE THIS MOUNT FOR ALL OWNER FURNISHED DISPLAYS AND DIGITAL SIGNAGE MONITORS.</	