

REFLECTED CEILING PLAN LEGEND

FINISHED CEILING ELEVATION

2' X 2' SUSPENDED ACOUSTICAL CEILING TILE

GYPSUM BOARD CEILING OR SOFFIT

EXPOSED CEILING WITH PAINTED STRUCTURE ABOVE

2' X 2' LUMINAIRE

2' X 4' LUMINAIRE

RECESSED CAN LUMINAIRE

RECESSED COVE LIGHT

ACT-1 "CLIMA PLUS" ASTRO WITH REVEAL EDGE AS MANUFACTURED BY USG

ACT-2S "METALWORKS" SECURELOCK PLUS PERFORMED AS MANUFACTURED BY ARMSTRONG

WD CLG-1 "BARZ" SYSTEM AS MANUFACTURED BY USG

1' X 4' LUMINAIRE

RECESSED 4" LINEAR FIXTURE

PROJECTION SCREEN BY OWNER

AUDIO SPEAKERS

PROJECTOR BY OWNER

CEILING PLAN NOTES

Type	Description
C001	RECESSED COVE LIGHT
C002	GYPSUM BOARD SOFFIT
C003	GYPSUM BOARD CONTROL JOINT
C04	CEILING MOUNTED CAMERA
C005	SECURITY MESH BEHIND GYPSUM CEILING IN THIS AREA

LEGATARCHITECTS  
DESIGN | PERFORMANCE | SUSTAINABILITY

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COLLEGE

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1215 Houbolt Road  
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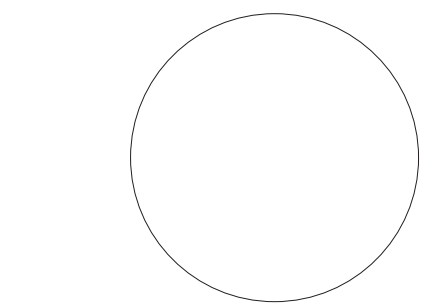
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DATE

REVISIONS

NO.	DESCRIPTION	DATE

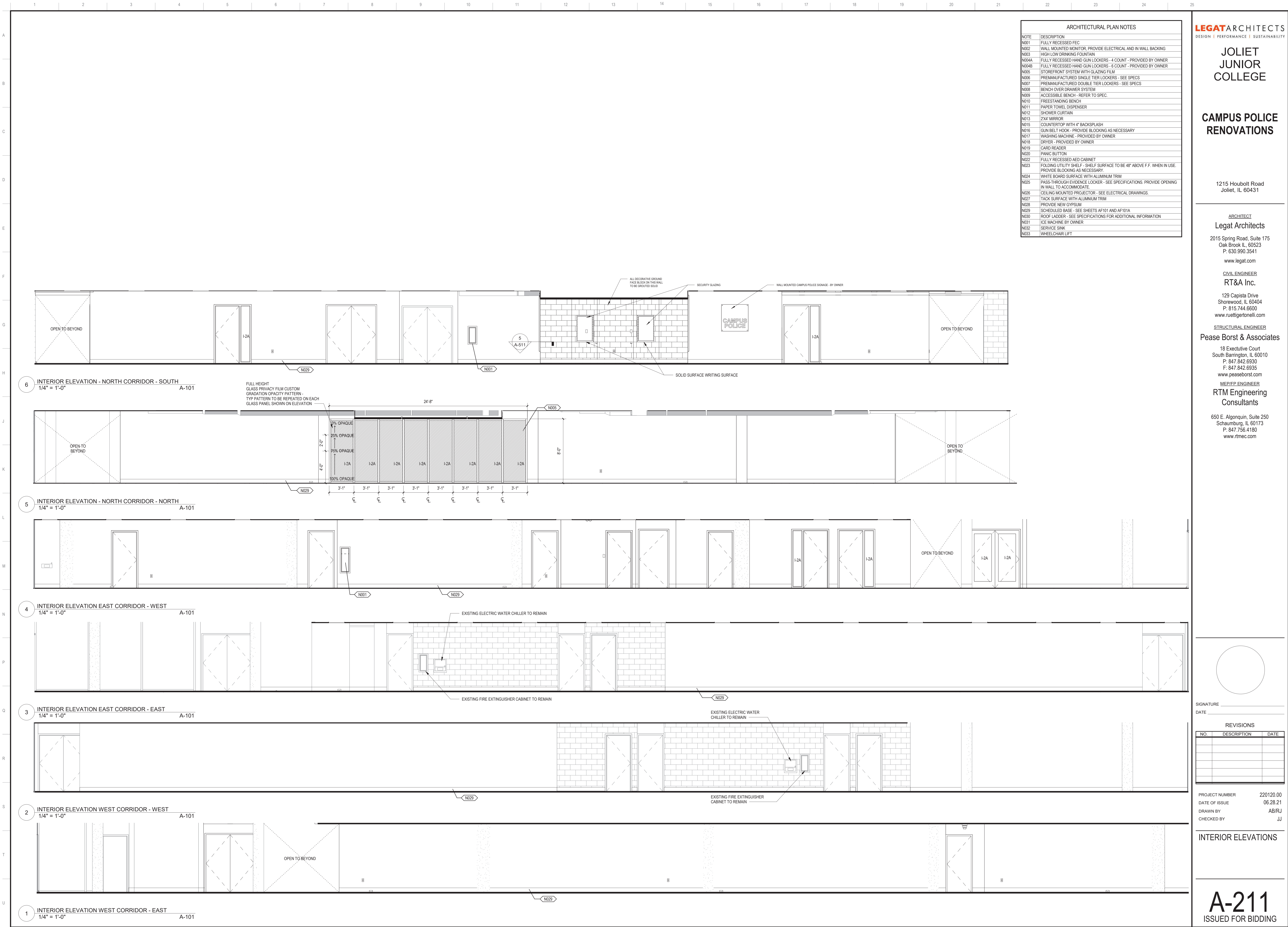
PROJECT NUMBER 220120.00  
DATE OF ISSUE 06.28.21  
DRAWN BY AB/RJ  
CHECKED BY JJ

FIRST FLOOR  
REFLECTED CEILING  
PLAN

AC101  
ISSUED FOR BIDDING

1 FIRST FLOOR REFLECTED CEILING PLAN  
1/8" = 1'-0"





ARCHITECTURAL PLAN NOTES	
NOTE	DESCRIPTION
N001	FULLY RECESSED FEC
N002	WALL MOUNTED MONITOR, PROVIDE ELECTRICAL AND IN WALL BACKING
N003	HIGH LOW DRINKING FOUNTAIN
N004A	FULLY RECESSED HAND GUN LOCKERS - 4 COUNT - PROVIDED BY OWNER
N004B	FULLY RECESSED HAND GUN LOCKERS - 6 COUNT - PROVIDED BY OWNER
N005	STOREFRONT SYSTEM WITH GLAZING FILM
N006	PREMANUFACTURED SINGLE TIER LOCKERS - SEE SPECS
N007	PREMANUFACTURED DOUBLE TIER LOCKERS - SEE SPECS
N008	BENCH OVER DRAWER SYSTEM
N009	ACCESSIBLE BENCH - REFER TO SPEC.
N010	FREESTANDING BENCH
N011	PAPER TOWEL DISPENSER
N012	SHOWER CURTAIN
N013	2'X4' MIRROR
N015	COUNTERTOP WITH 4" BACKSPLASH
N016	GUN BELT HOOK - PROVIDE BLOCKING AS NECESSARY
N017	WASHING MACHINE - PROVIDED BY OWNER
N018	DRYER - PROVIDED BY OWNER
N019	CARD READER
N020	PANIC BUTTON
N022	FULLY RECESSED AED CABINET
N023	FOLDING UTILITY SHELF - SHELF SURFACE TO BE 48" ABOVE F.F. WHEN IN USE. PROVIDE BLOCKING AS NECESSARY.
N024	WHITE BOARD SURFACE WITH ALUMINIUM TRIM
N025	PASS-THROUGH EVIDENCE LOCKER - SEE SPECIFICATIONS. PROVIDE OPENING IN WALL TO ACCOMMODATE.
N026	CEILING MOUNTED PROJECTOR - SEE ELECTRICAL DRAWINGS.
N027	TACK SURFACE WITH ALUMINIUM TRIM
N028	PROVIDE NEW GYPSUM
N029	SCHEDULED BASE - SEE SHEETS AF101 AND AF101A
N030	ROOF LADDER - SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
N031	ICE MACHINE BY OWNER
N032	SERVICE SINK
N033	WHEELCHAIR LIFT

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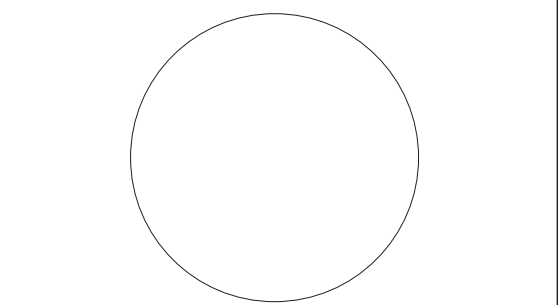
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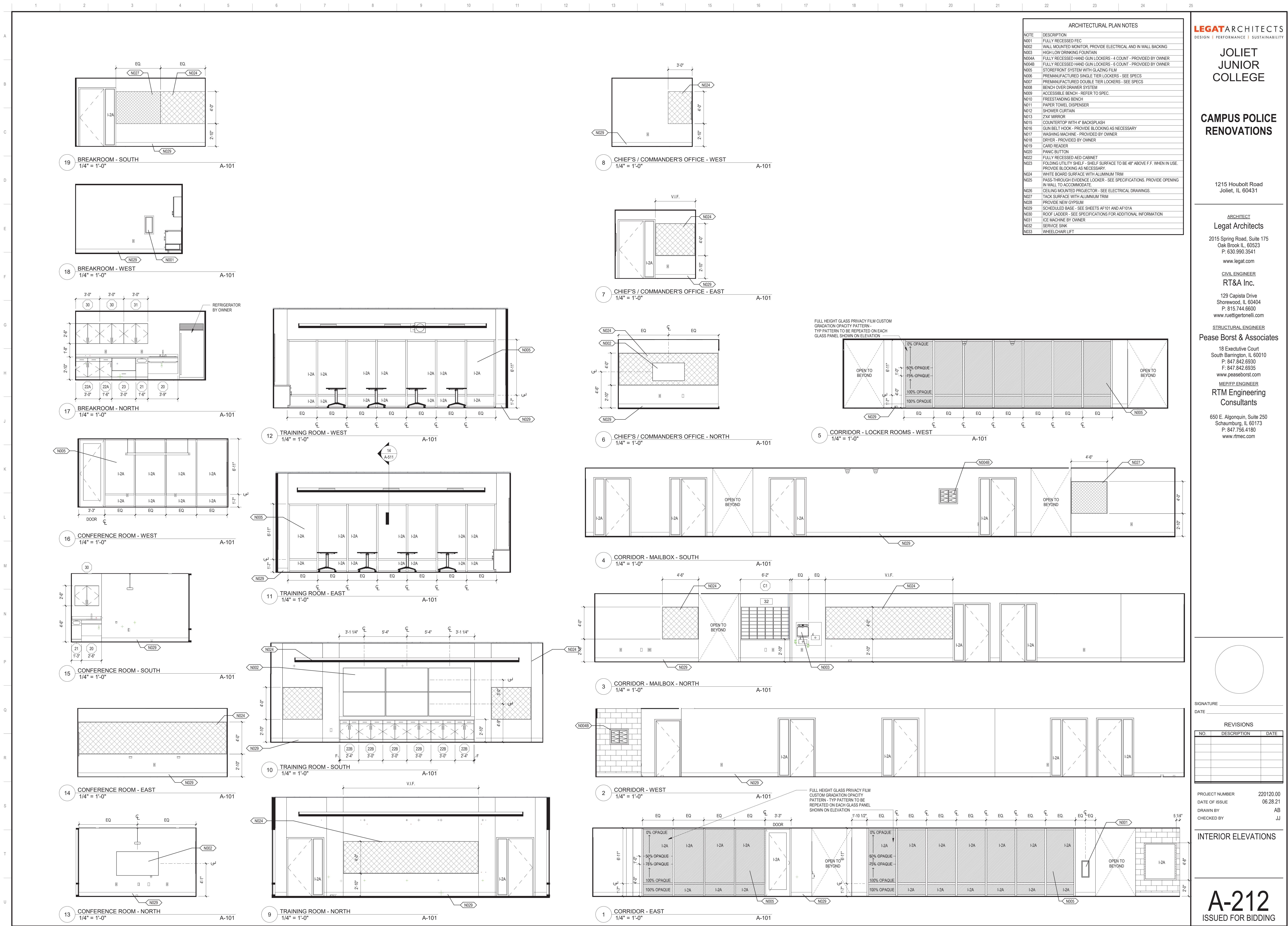
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INTERIOR ELEVATIONS





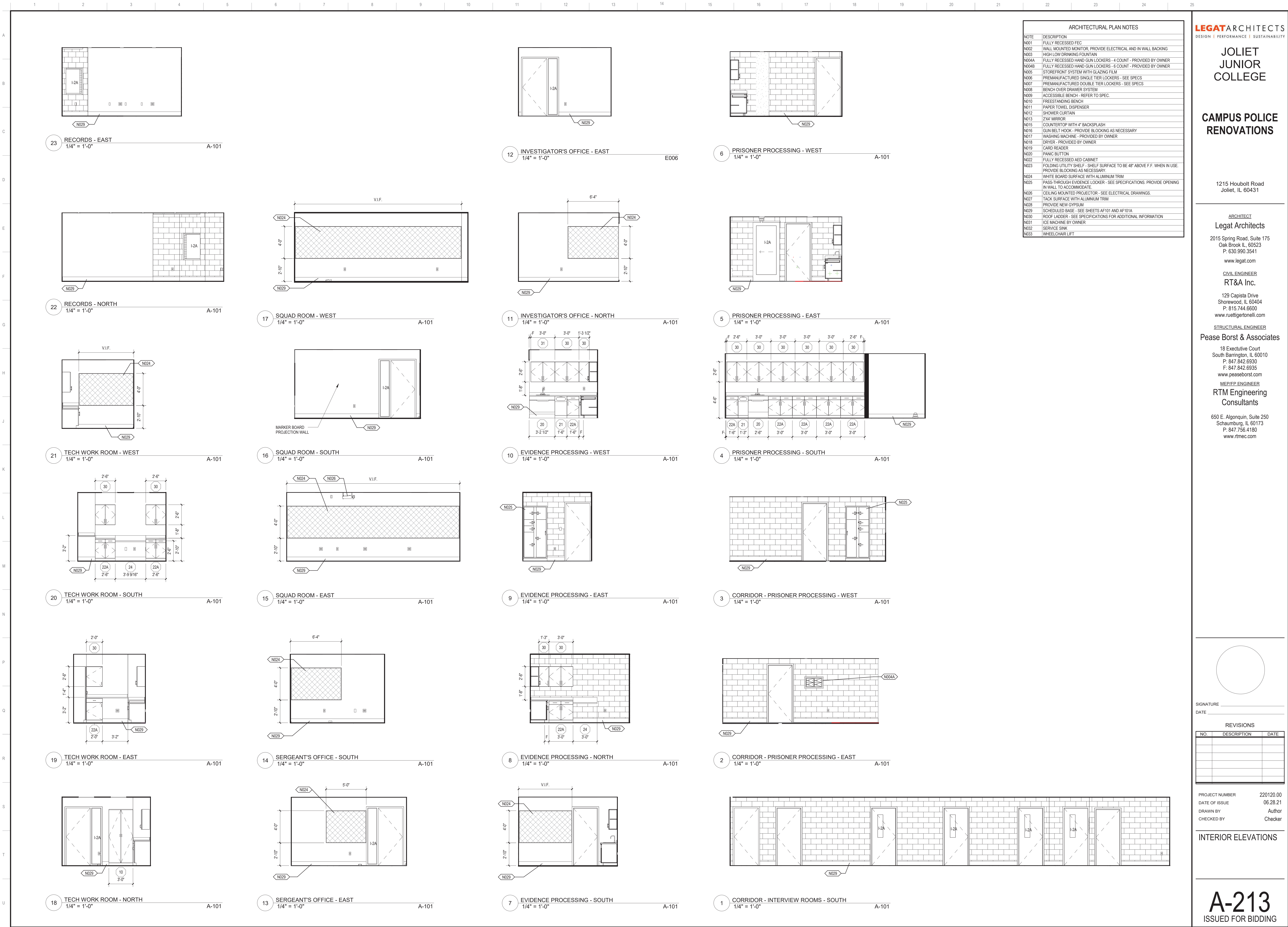
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INTERIOR ELEVATIONS

**A-212**  
ISSUED FOR BIDDING





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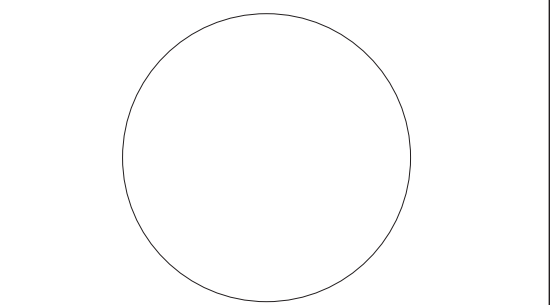
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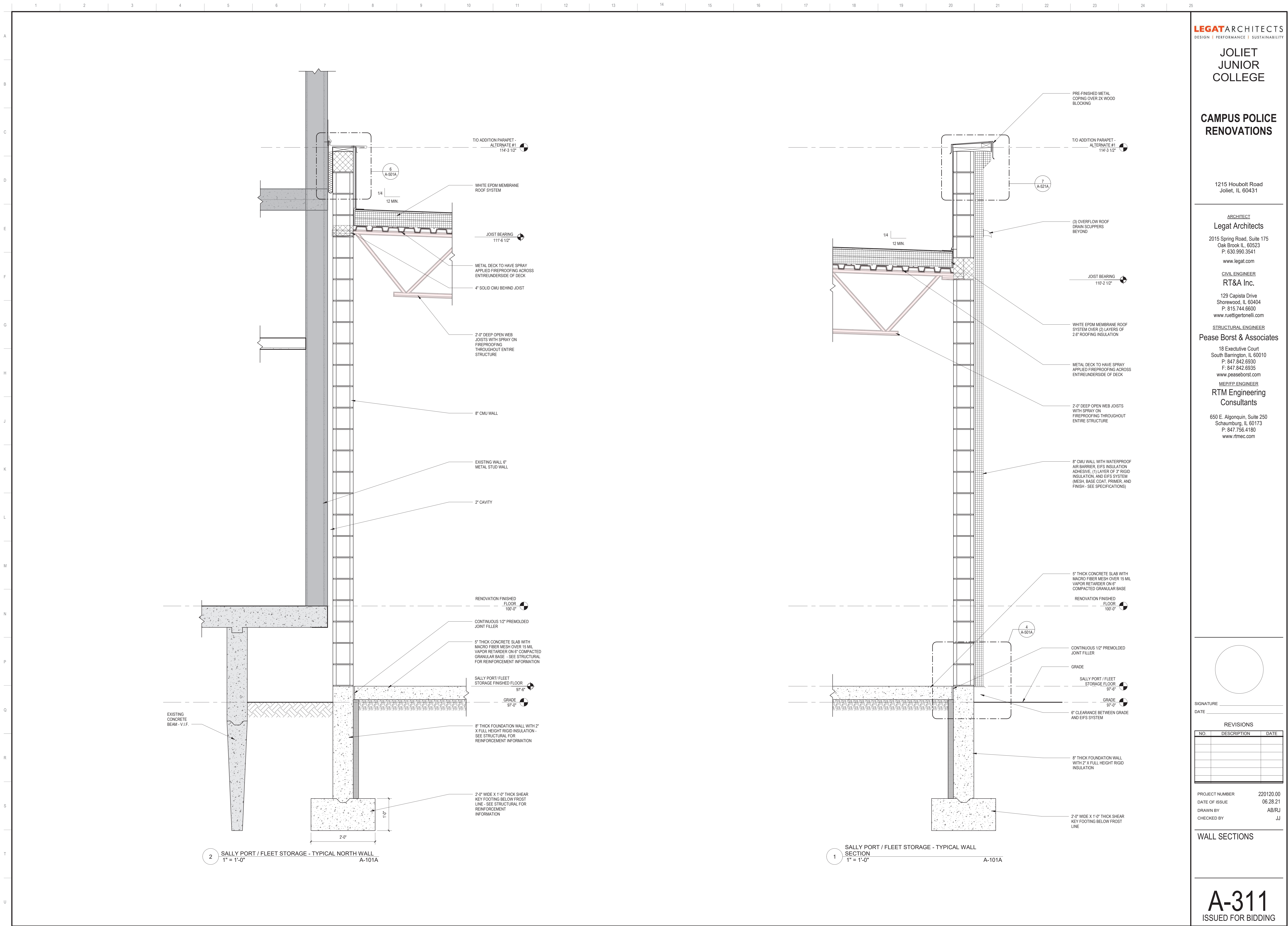
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INTERIOR ELEVATIONS

A-213  
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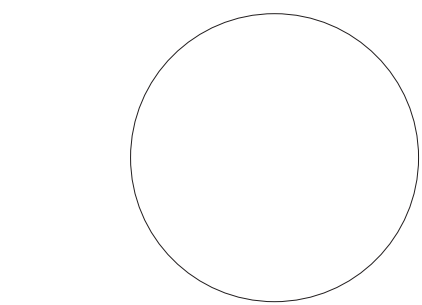
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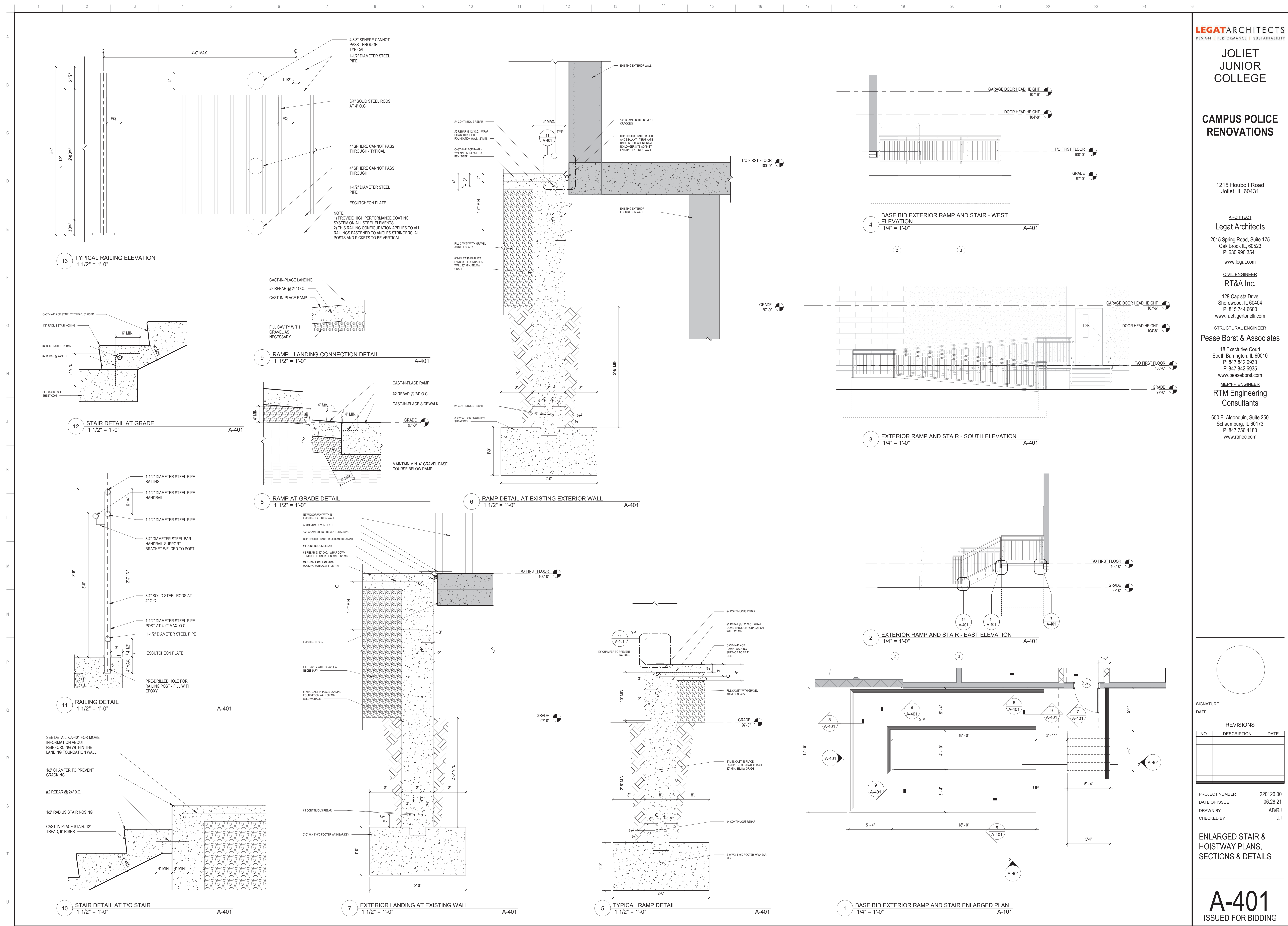
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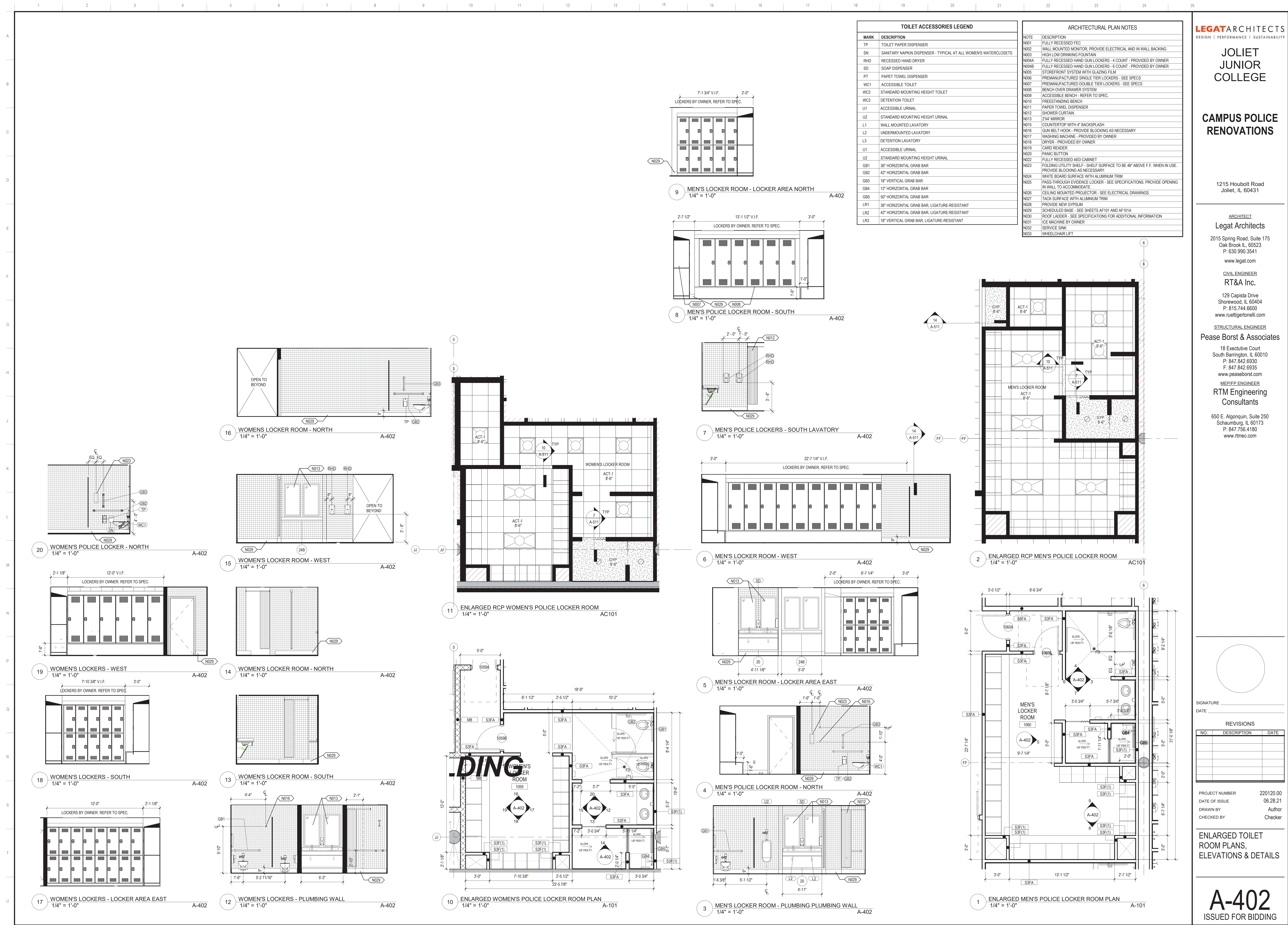
WALL SECTIONS

A-311  
ISSUED FOR BIDDING









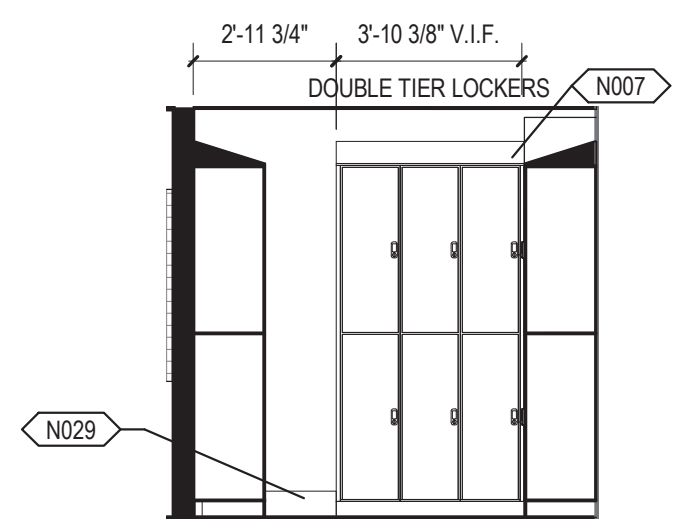
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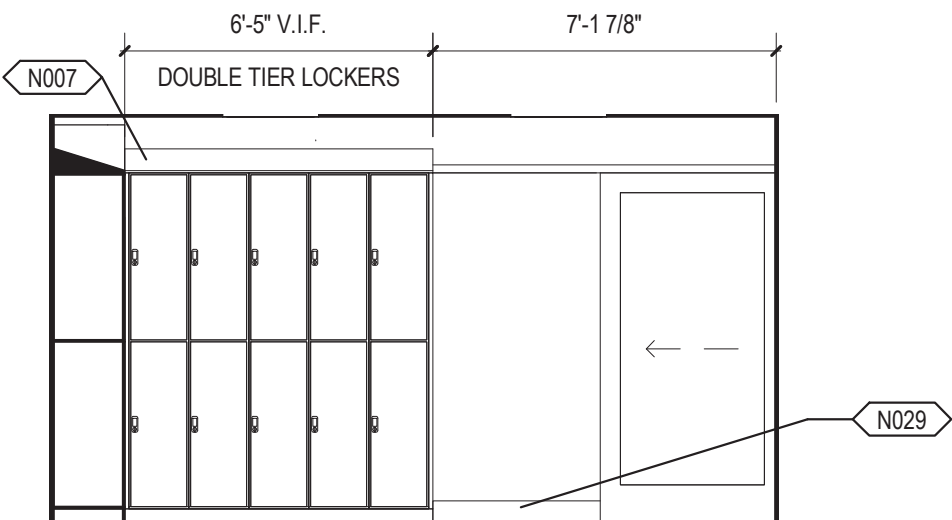
ENLARGED TOILET  
ROOM PLANS,  
ELEVATIONS & DETAILS



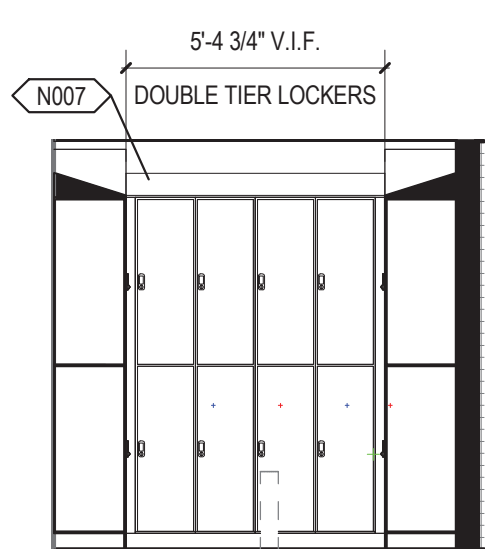
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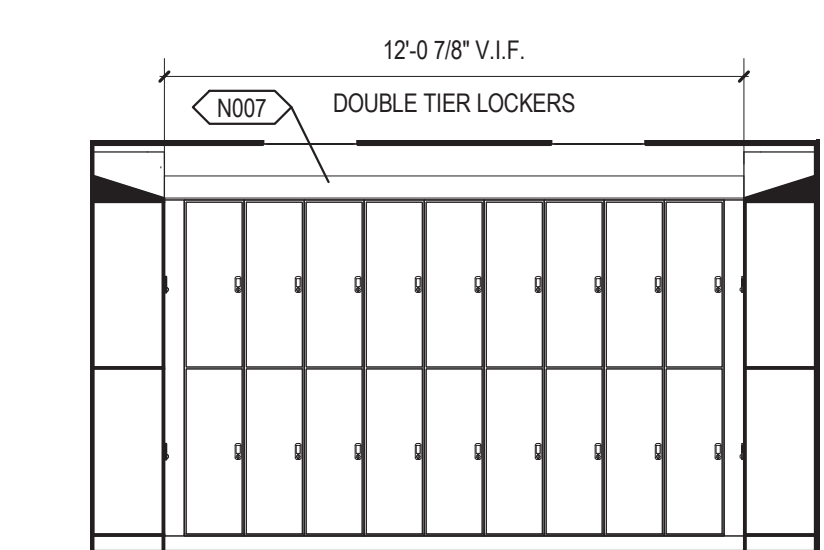
24 WRESTLING LOCKERS - EAST  
1/4" = 1'-0" A-403



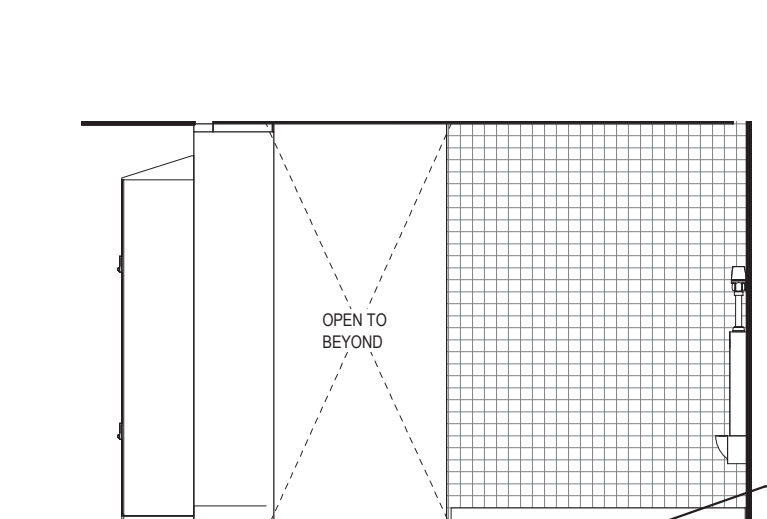
23 WRESTLING LOCKERS - NORTH  
1/4" = 1'-0" A-403



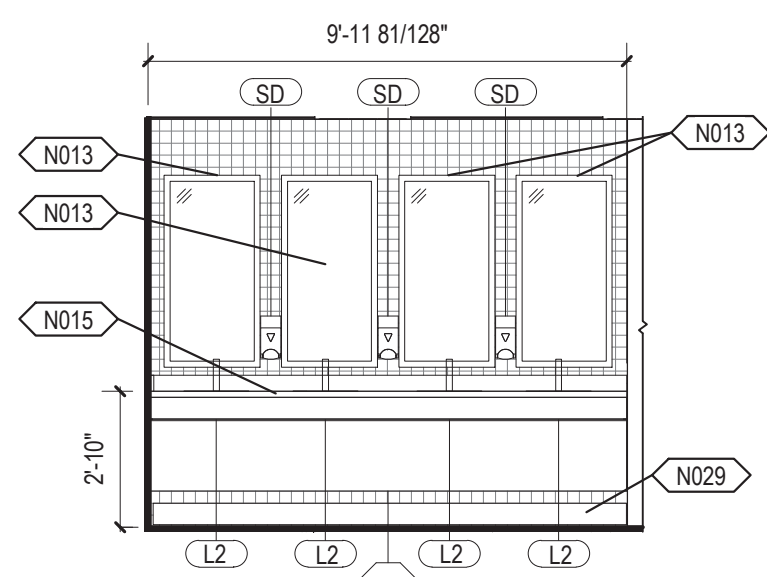
22 WRESTLING LOCKERS - WEST  
1/4" = 1'-0" A-403



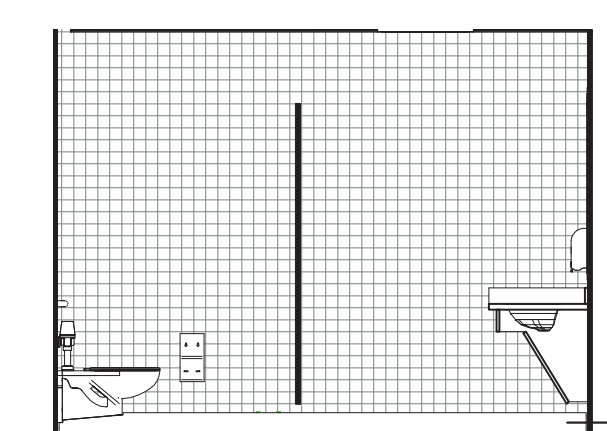
21 WRESTLING LOCKERS - SOUTH  
1/4" = 1'-0" A-403



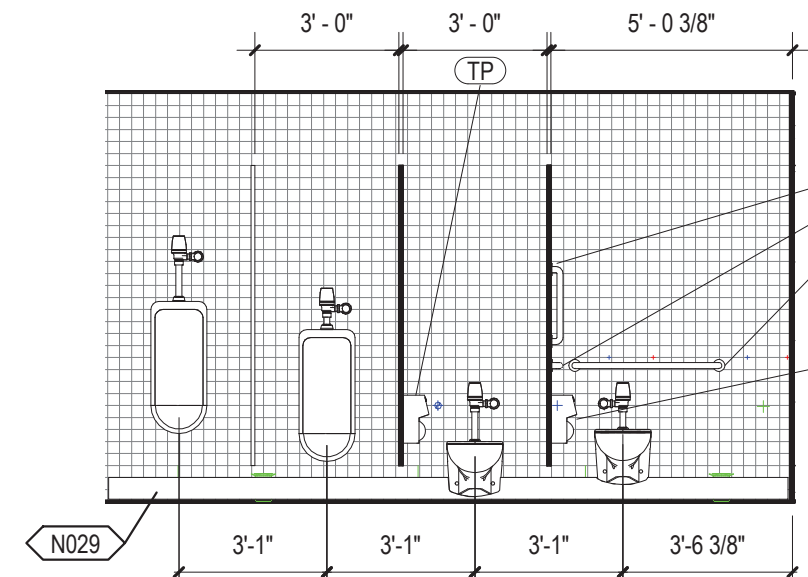
20 MEN'S ATHLETIC TOILET AREA - SOUTH  
1/4" = 1'-0" A-402



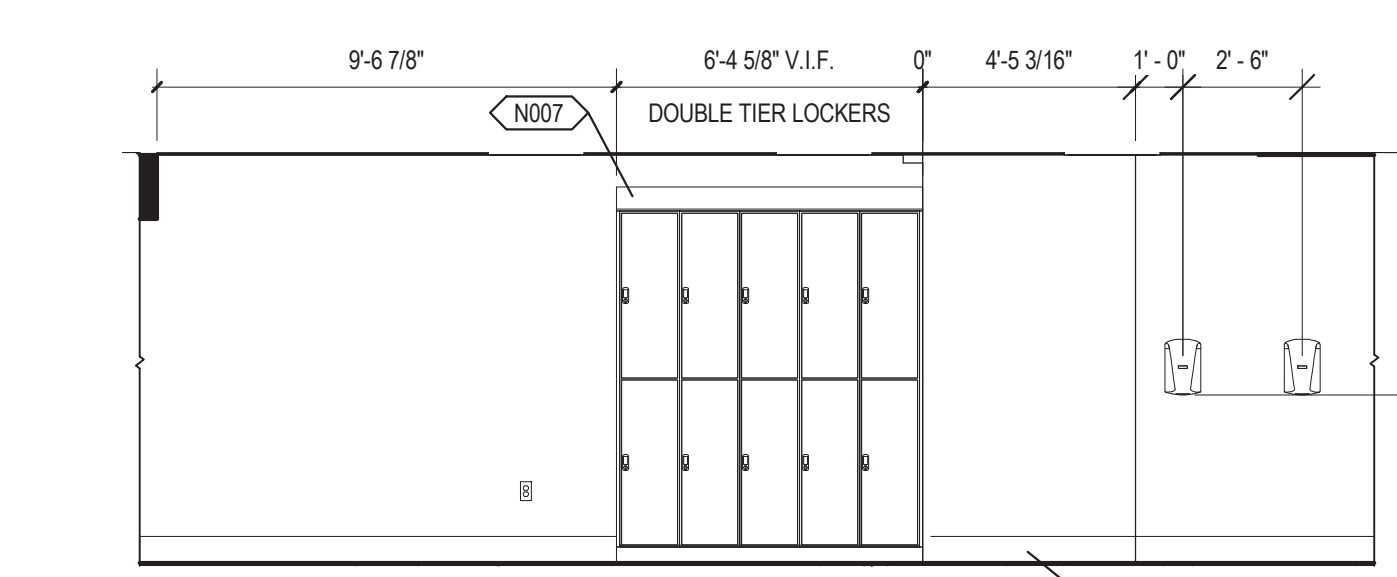
19 MEN'S ATHLETIC TOILET AREA - EAST  
1/4" = 1'-0" A-403



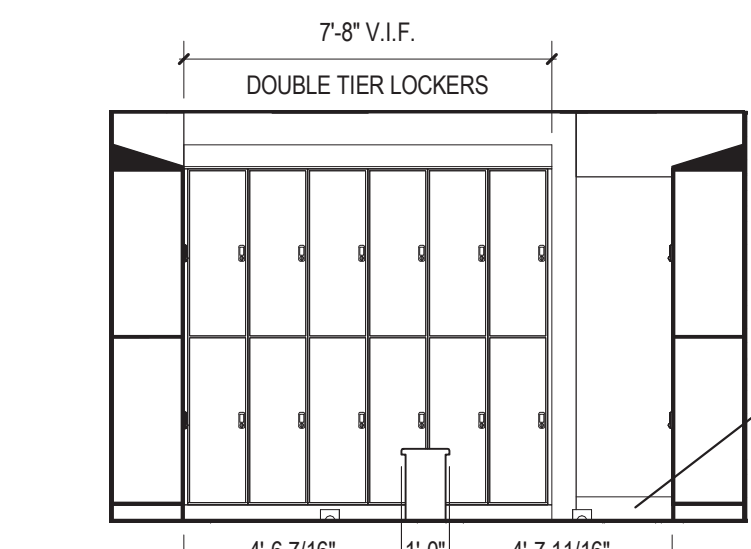
18 MEN'S ATHLETIC TOILET AREA - NORTH  
1/4" = 1'-0" A-402



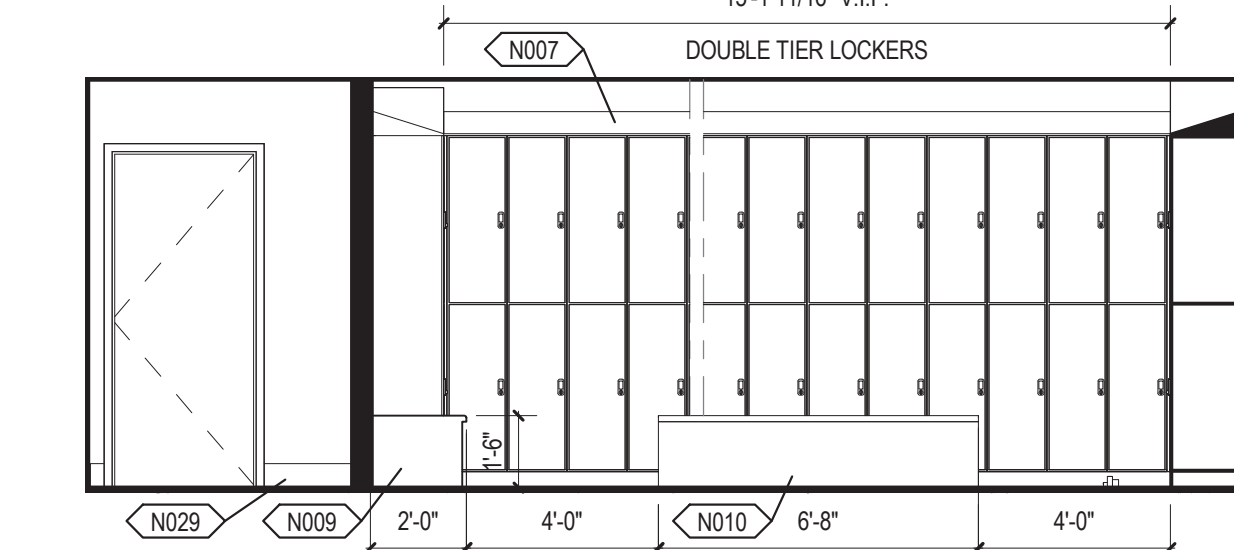
17 MEN'S ATHLETIC TOILET AREA - WEST  
1/4" = 1'-0" A-403



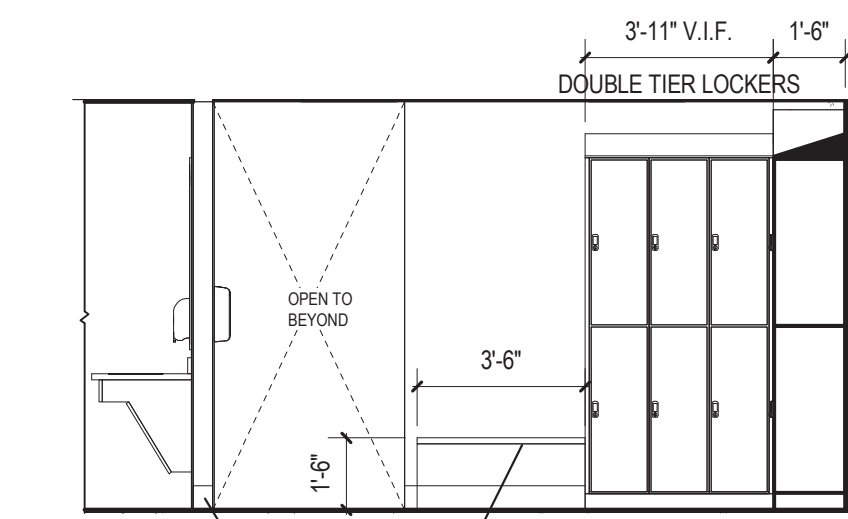
16 MEN'S ATHLETIC LOCKERS - WEST  
1/4" = 1'-0" A-403



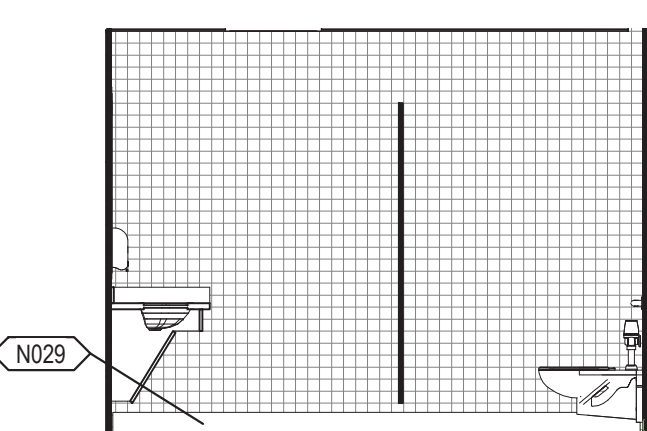
15 MEN'S ATHLETIC LOCKERS - SOUTH  
1/4" = 1'-0" A-403



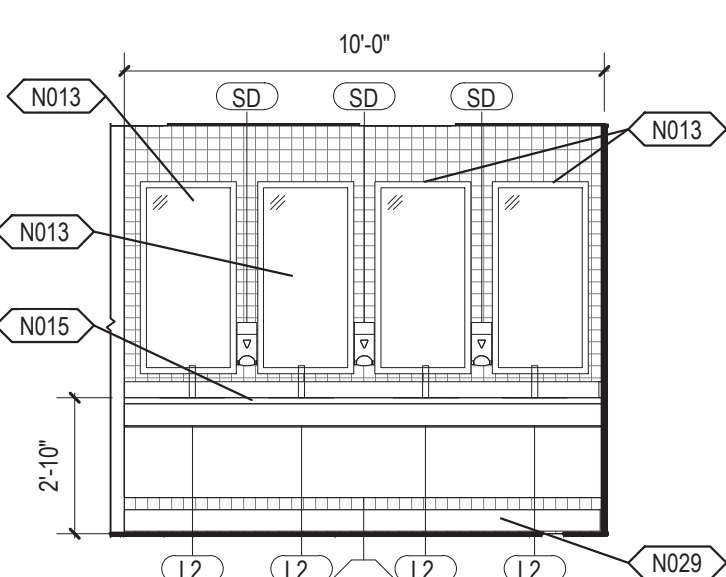
14 MEN'S ATHLETIC LOCKERS - EAST  
1/4" = 1'-0" A-403



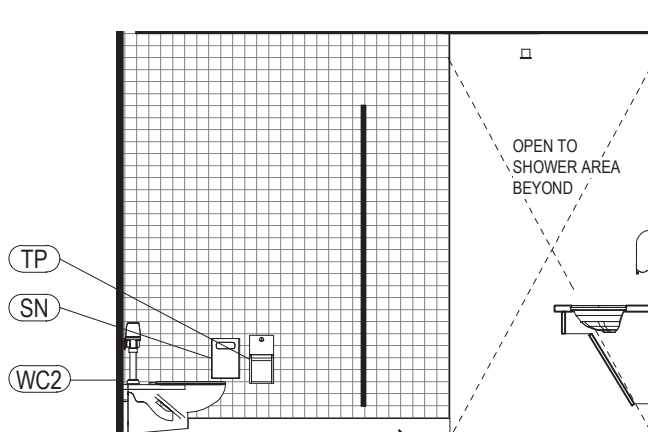
13 MEN'S ATHLETIC LOCKERS - NORTH  
1/4" = 1'-0" A-403



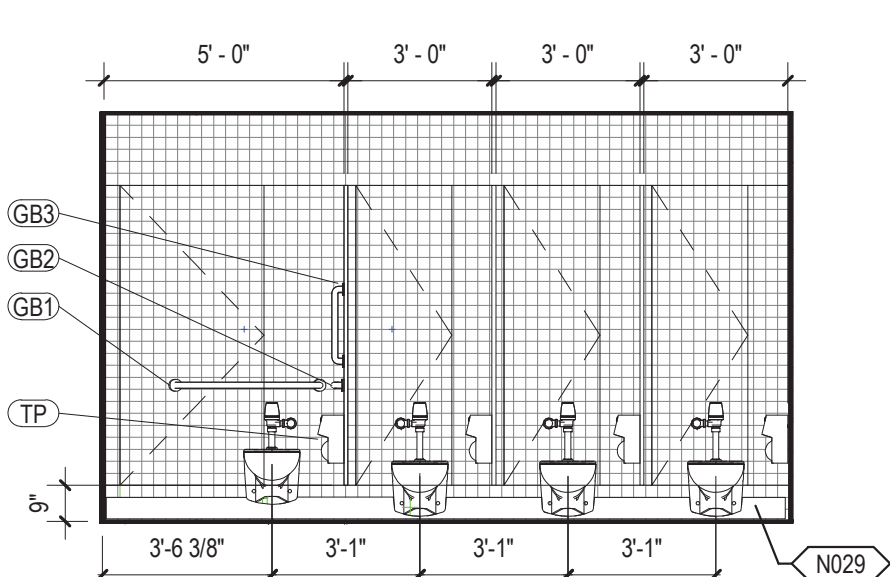
12 WOMEN'S ATHLETIC TOILET AREA - SOUTH  
1/4" = 1'-0" A-402



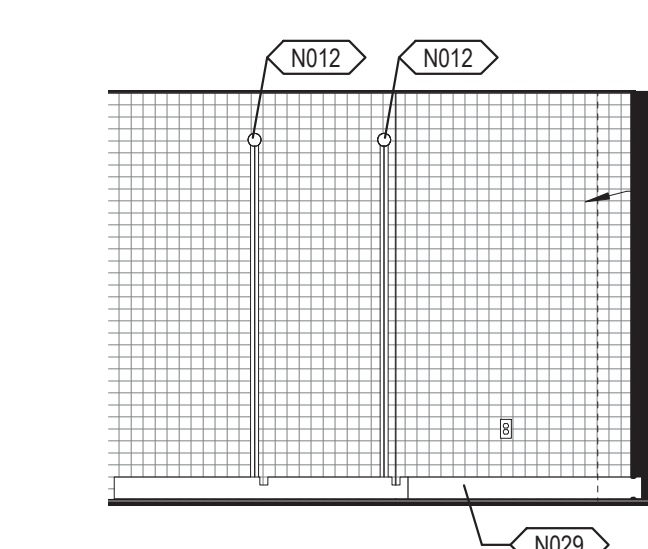
11 WOMEN'S ATHLETIC TOILET AREA - EAST  
1/4" = 1'-0" A-403



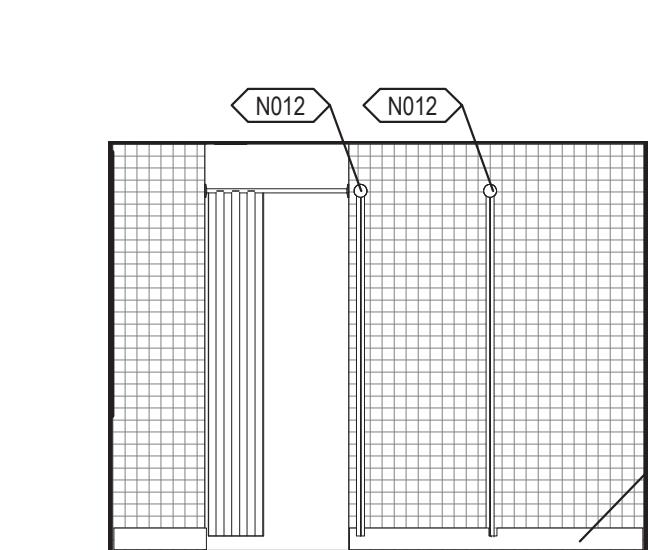
10 WOMEN'S ATHLETIC TOILET AREA - NORTH  
1/4" = 1'-0" A-402



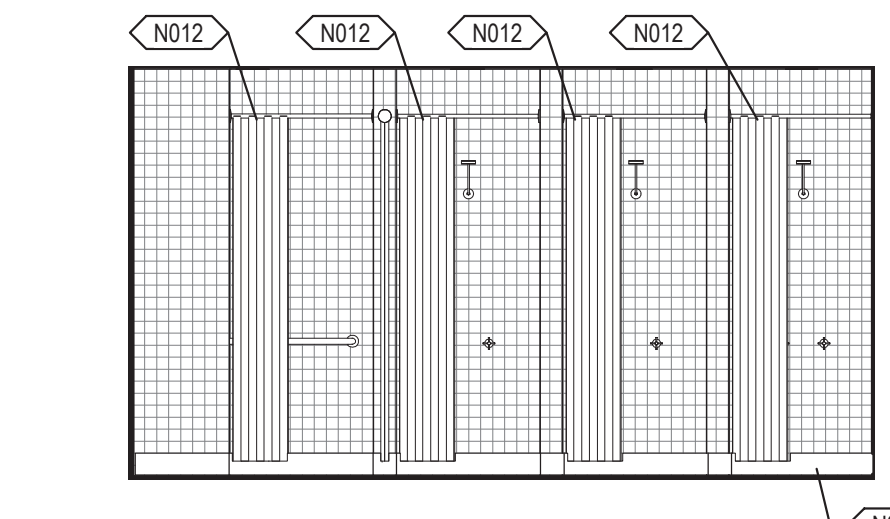
9 WOMEN'S ATHLETIC TOILET AREA - WEST  
1/4" = 1'-0" A-403



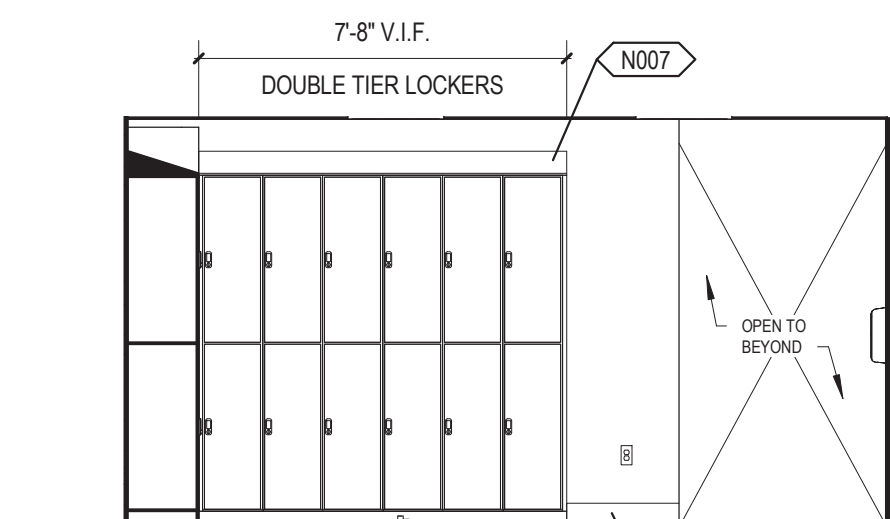
8 ATHLETIC SHOWERS - ACCESSIBLE SHOWER STALL  
1/4" = 1'-0" A-403



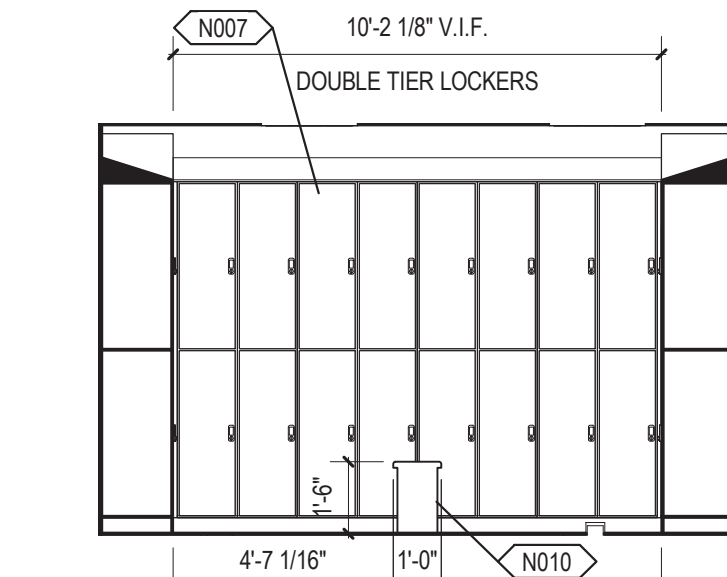
7 ATHLETIC SHOWERS - TYPICAL SHOWER STALL  
1/4" = 1'-0" A-403



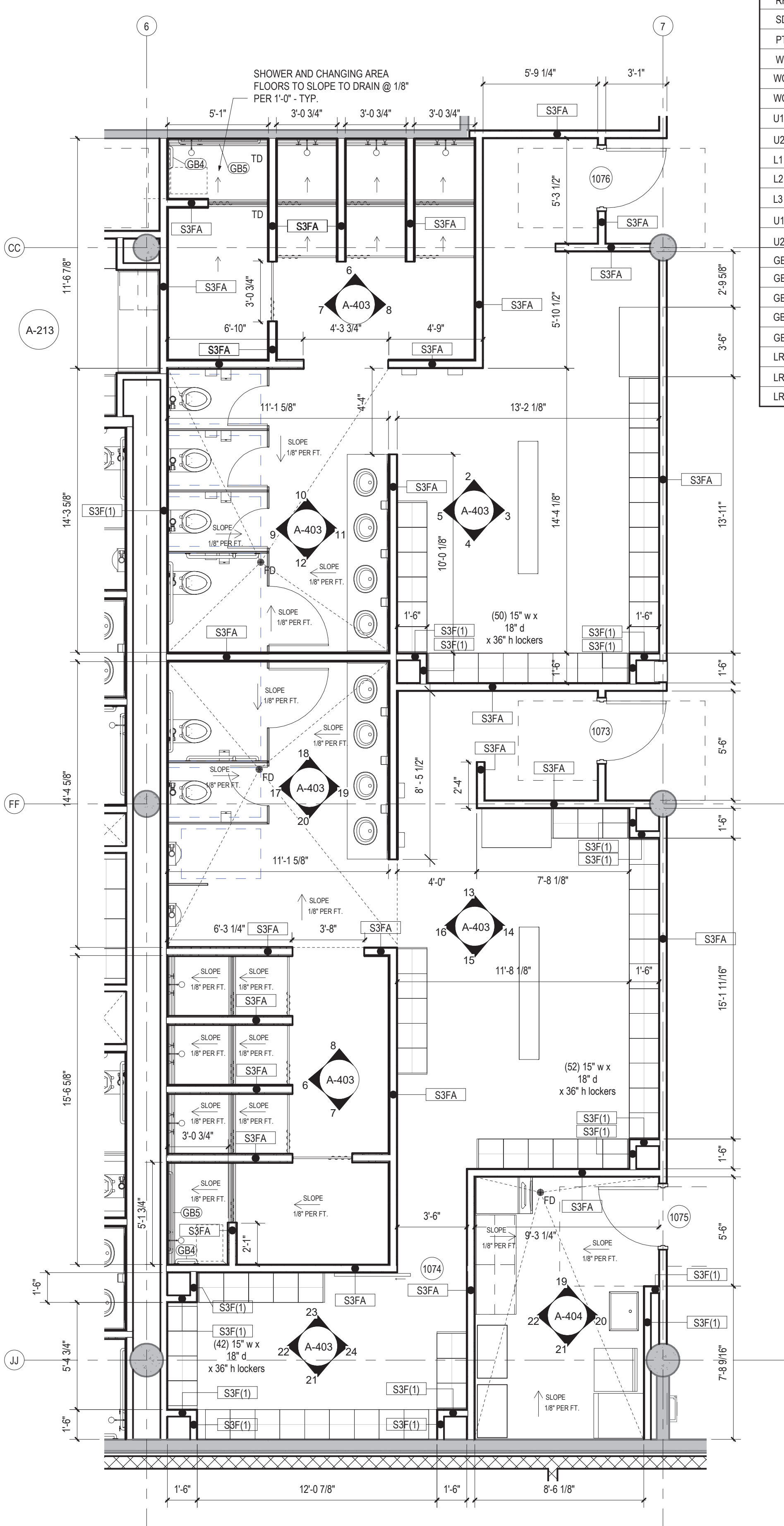
6 ATHLETIC SHOWERS - SHOWER WALL  
1/4" = 1'-0" A-403



5 WOMEN'S ATHLETIC LOCKERS - WEST  
1/4" = 1'-0" A-403



4 WOMEN'S ATHLETIC LOCKERS - SOUTH  
1/4" = 1'-0" A-403



1 01 FIRST FLOOR Architectural - ATHLETICS LOCKERS  
1/4" = 1'-0" A-101

ARCHITECTURAL PLAN NOTES

NOTE	DESCRIPTION
N001	FULLY RECESSED FEC
N002	WALL MOUNTED MONITOR, PROVIDE ELECTRICAL AND IN WALL BACKING
N003	HIGH LOW DRINKING FOUNTAIN
N004A	FULLY RECESSED HAND GUN LOCKERS - 4 COUNT - PROVIDED BY OWNER
N004B	FULLY RECESSED HAND GUN LOCKERS - 6 COUNT - PROVIDED BY OWNER
N005	STOREFRONT SYSTEM WITH GLAZING FILM
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N015	COUNTERTOP WITH 4" BACKSPLASH
N016	GUN BELT HOOK - PROVIDE BLOCKING AS NECESSARY
N017	WASHING MACHINE - PROVIDED BY OWNER
N018	DRYER - PROVIDED BY OWNER
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N020	PANIC BUTTON
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N023	FOLDING UTILITY SHELF - SHELF SURFACE TO BE 48" ABOVE F.F. WHEN IN USE. PROVIDE BLOCKING AS NECESSARY.
N024	WHITE BOARD SURFACE WITH ALUMINUM TRIM
N025	PASS-THROUGH EVIDENCE LOCKER - SEE SPECIFICATIONS. PROVIDE OPENING IN WALL TO ACCOMMODATE.
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N027	TACK SURFACE WITH ALUMINUM TRIM
N028	PROVIDE NEW GYPSUM
N029	SCHEDULED BASE - SEE SHEETS AF101 AND AF101A
N030	ROOF LADDER - SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
N031	ICE MACHINE BY OWNER
N032	SERVICE SINK
N033	WHEELCHAIR LIFT

TOILET ACCESSORIES LEGEND

MARK	DESCRIPTION
TP	TOILET PAPER DISPENSER
SN	SANITARY NAPKIN DISPENSER - TYPICAL AT ALL WOMEN'S WATERCLOSETS
RHD	RECESSED HAND DRYER
SD	SOAP DISPENSER
PT	PAPE TOWEL DISPENSER
WC1	ACCESSIBLE TOILET
WC2	STANDARD MOUNTING HEIGHT TOILET
WC3	DETENTION TOILET
U1	ACCESSIBLE URINAL
U2	STANDARD MOUNTING HEIGHT URINAL
L1	WALL MOUNTED LAVATORY
L2	UNDERMOUNTED LAVATORY
L3	DETENTION LAVATORY
U1	ACCESSIBLE URINAL
U2	STANDARD MOUNTING HEIGHT URINAL
GB1	36" HORIZONTAL GRAB BAR
GB2	42" HORIZONTAL GRAB BAR
GB3	18" VERTICAL GRAB BAR
GB4	12" HORIZONTAL GRAB BAR
GB5	50" HORIZONTAL GRAB BAR
LR1	36" HORIZONTAL GRAB BAR, LIGATURE-RESISTANT
LR2	42" HORIZONTAL GRAB BAR, LIGATURE-RESISTANT
LR3	18" VERTICAL GRAB BAR, LIGATURE-RESISTANT

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ENLARGED TOILET  
ROOM PLANS,  
ELEVATIONS & DETAILS

A-403  
ISSUED FOR BIDDING



18 UNISEX TOILET - SOUTH  
1/4" = 1'-0" A-404

12 DETENTION TOILET - WEST  
1/4" = 1'-0" A-404

6 DISPTACH TOILET ROOM - NORTH  
1/4" = 1'-0" A-404

17 UNISEX TOILET - EAST  
1/4" = 1'-0" A-404

11 DETENTION TOILET- NORTH  
1/4" = 1'-0" A-404

5 DISPATCH TOILET ROOM - WEST  
1/4" = 1'-0" A-404

22 LAUNDRY - WEST  
1/4" = 1'-0" A-403

16 UNISEX TOILET - WEST  
1/4" = 1'-0" A-404

10 DETENTION TOILET - SOUTH  
1/4" = 1'-0" A-404

4 DISPATCH TOILET ROOM - EAST  
1/4" = 1'-0" A-404

21 LAUNDRY - SOUTH  
1/4" = 1'-0" A-403

15 UNISEX TOILET - NORTH 7  
1/4" = 1'-0" A-404

9 DETENTION TOILET - EAST 1/4" = 1'-0" 5 A-404

3 DISPATCH TOILET ROOM - SOUTH  
1/4" = 1'-0" A-404

20 LAUNDRY - EAST  
1/4" = 1' 0" A 403

14 UNISEX TOILET REFLECTED CEILING PLAN  
1/4" = 1' 0" AC101

8 DETENTION TOILET REFLECTED CEILING PLAN  
1/4" = 1' 0" AC101

2 DISPATCH TOILET ROOM REFLECTED CEILING PLAN  
1/4" = 1' 0" AC101

19 LAUNDRY - NORTH

13 ENLARGED UNISEX TOILET PLAN

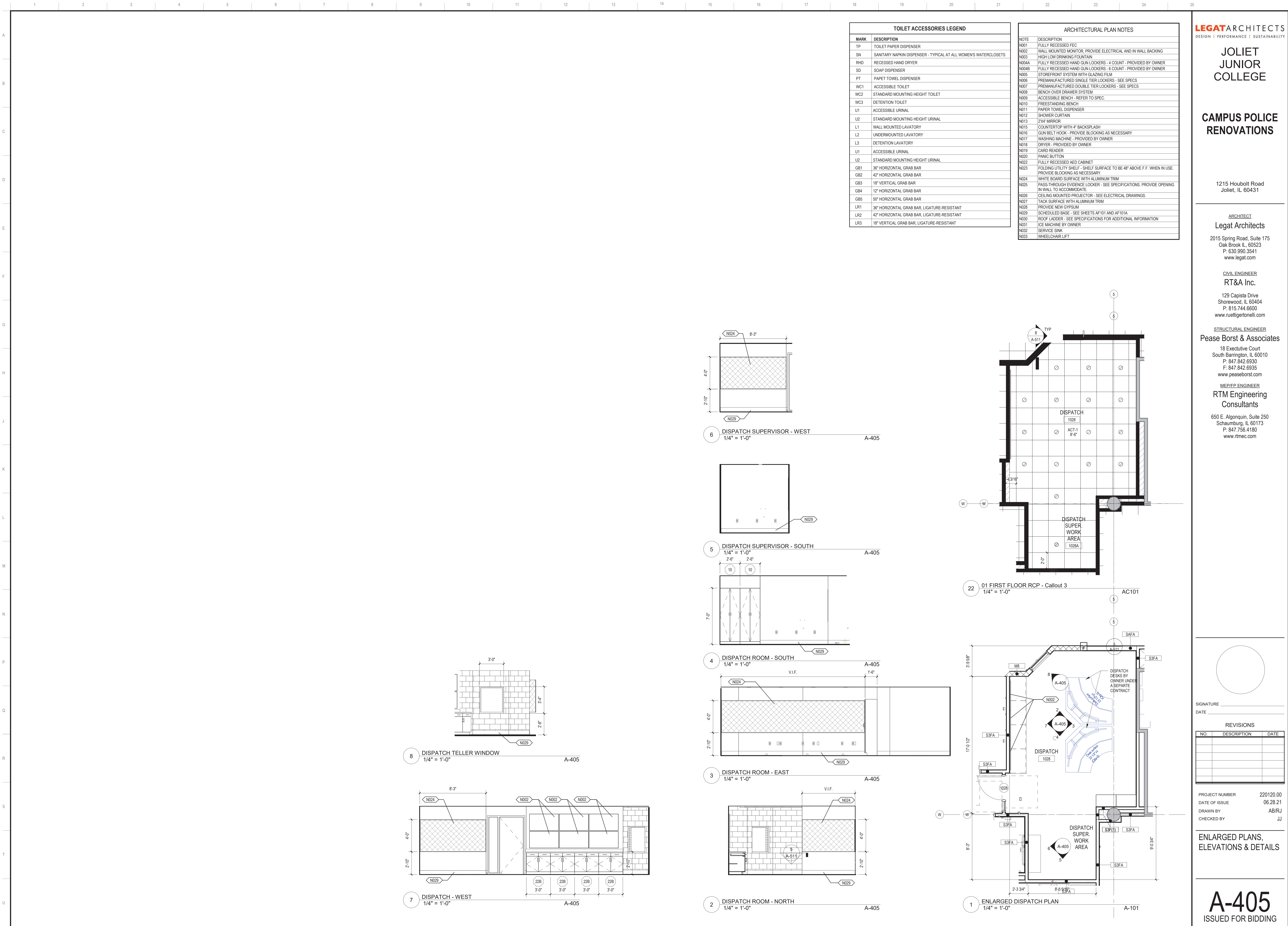
7 ENLARGED DETENTION TOILET PLAN

1	ENLARGED DISPATCH TOILET ROOM	11'-0" x 11'-0"	11'-0"
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ARCHITECTURAL PLAN NOTES	
N001E	DESCRIPTION
N002	FULLY RECESSED FEC
N003	WALL MOUNTED MONITOR, PROVIDE ELECTRICAL AND IN WALL BACKING
N004	HIGH LOW DRINKING FOUNTAIN
N004B	FULLY RECESSED HAND GUN LOCKERS - 4 COUNT - PROVIDED BY OWNER
N004B	FULLY RECESSED HAND GUN LOCKERS - 6 COUNT - PROVIDED BY OWNER
N005	STOREFRONT SYSTEM WITH GLAZING FILM
N006	BENCH/STANDING SINGLE TIER LOCKERS - SEE SPECS
N007	MANUFACTURED DOUBLE TIER LOCKERS - SEE SPECS
N008	BENCH OVER DRAWER SYSTEM
N009	ACCESSIBLE BENCH - REF. TO SPEC
N010	FREESTANDING BENCH
N011	PAPER TOWEL DISPENSER
N012	SHOWER CURTAIN
N013	2X4 MIRROR
N015	COUNTERTOP WITH 4 BACKSLASH
N016	GUN BELT HOOK - PROVIDE BACKING AS NECESSARY
N017	WASHING MACHINE - PROVIDED BY OWNER
N018	DRYER - PROVIDED BY OWNER
N019	CARD READER
N020	PANIC BUTTON
N022	FULLY RECESSED AED CABINET
N023	FOLDING UTILITY SHELF - SHELF SURFACE TO BE 48" ABOVE F.F. WHEN IN USE. PROVIDE BUCKING AS NECESSARY
N024	WHITE BOARD SURFACE WITH ALUMINUM TRIM
N025	PASS-THROUGH EVIDENCE LOCKER - SEE SPECIFICATIONS. PROVIDE OPENING TO ACCOMMODATE
N026	CEILING MOUNTED PROJECTOR - SEE ELECTRICAL DRAWINGS
N027	TACK SURFACE WITH ALUMINUM TRIM
N028	PROVIDE NEW GYPSUM
N029	SCHEDULED BASE - SEE SHEETS AF101 AND AF101A
N030	4X4 LOCKER - SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
N031	ICE MACHINE BY OWNER
N032	SERVICE SINK
N033	WHEELCHAIR LIFT

TOILET ACCESSORIES LEGEND	
MARK	DESCRIPTION
TP	TOILET PAPER DISPENSER
SN	SANITARY NAPKIN DISPENSER - TYPICAL AT ALL WOMEN'S WATERCLOSETS
RHD	RECESSED HAND DRYER
SD	SOAP DISPENSER
PT	PAPET TOWEL DISPENSER
WC1	ACCESSIBLE TOILET
WC2	STANDARD MOUNTING HEIGHT TOILET
WC3	DETENTION TOILET
U1	ACCESSIBLE URINAL
U2	STANDARD MOUNTING HEIGHT URINAL
L1	WALL MOUNTED LAVATORY
L2	UNDERMOUNTED LAVATORY
L3	DETENTION LAVATORY
U1	ACCESSIBLE URINAL
U2	STANDARD MOUNTING HEIGHT URINAL
GB1	36" HORIZONTAL GRAB BAR
GB2	42" HORIZONTAL GRAB BAR
GB3	18" VERTICAL GRAB BAR
GB4	12" HORIZONTAL GRAB BAR
GB5	50" HORIZONTAL GRAB BAR
LR1	36" HORIZONTAL GRAB BAR, LIGATURE-RESISTANT
LR2	42" HORIZONTAL GRAB BAR, LIGATURE-RESISTANT
LR3	18" VERTICAL GRAB BAR, LIGATURE-RESISTANT





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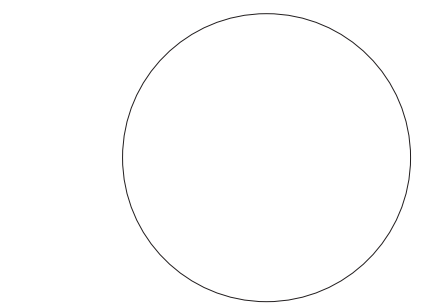
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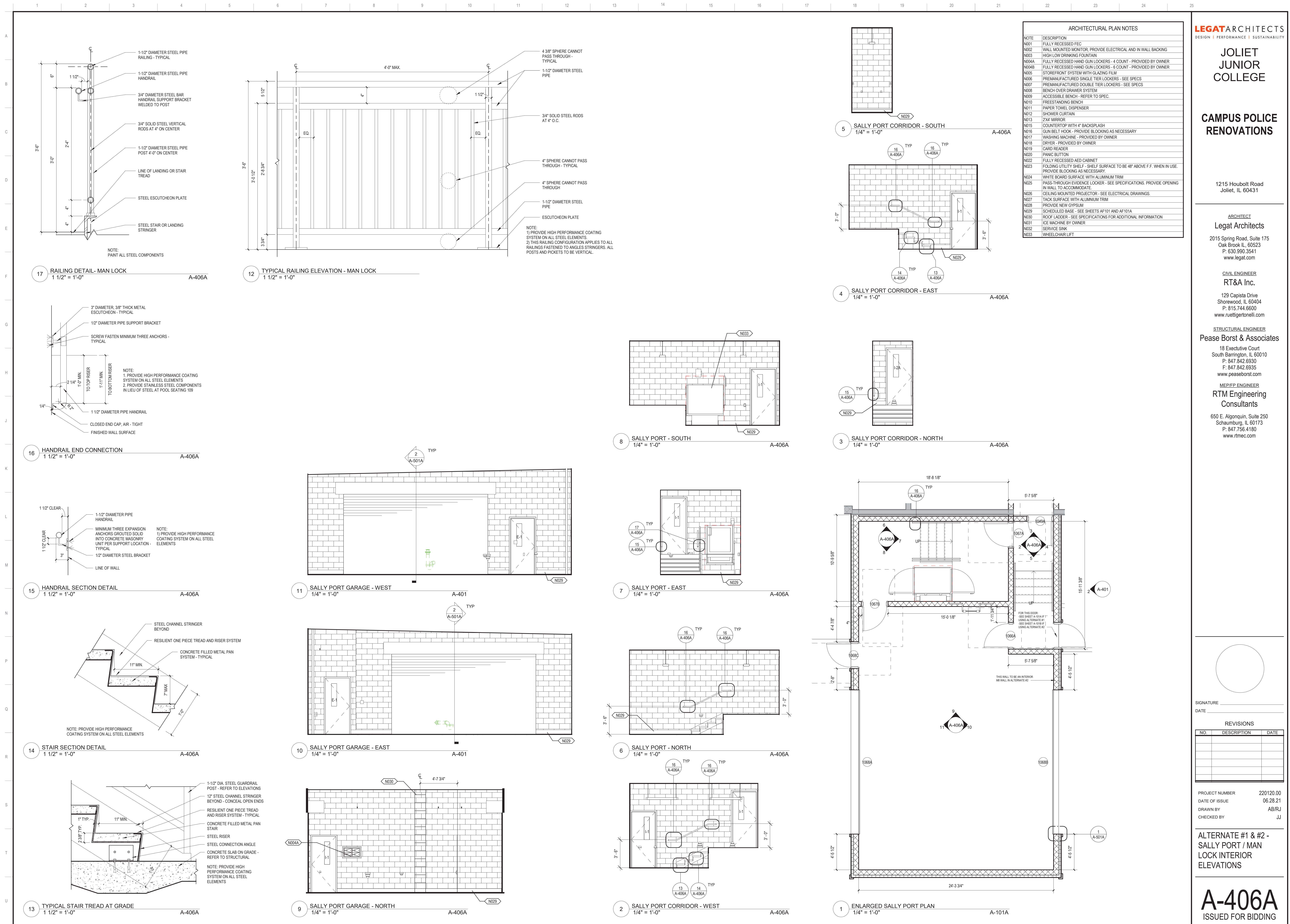
NO.	DESCRIPTION	DATE

PROJECT NUMBER 220120.00  
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ENLARGED PLANS,  
ELEVATIONS & DETAILS

A-405  
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ARCHITECTURAL PLAN NOTES	
NOTE	DESCRIPTION
N001	FULLY RECESSED FEC
N002	WALL MOUNTED MONITOR, PROVIDE ELECTRICAL AND IN WALL BACKING
N003	HIGH LOW DRINKING FOUNTAIN
N004A	FULLY RECESSED HAND GUN LOCKERS - 4 COUNT - PROVIDED BY OWNER
N004B	FULLY RECESSED HAND GUN LOCKERS - 6 COUNT - PROVIDED BY OWNER
N005	STOREFRONT SYSTEM WITH GLAZING FILM
N006	PREMANUFACTURED SINGLE TIER LOCKERS - SEE SPECS
N007	PREMANUFACTURED DOUBLE TIER LOCKERS - SEE SPECS
N008	BENCH OVER DRAWER SYSTEM
N009	ACCESSIBLE BENCH - REFER TO SPEC.
N010	FREESTANDING BENCH
N011	PAPER TOWEL DISPENSER
N012	SHOWER CURTAIN
N013	2'x4' MIRROR
N015	COUNTERTOP WITH 4" BACKSPLASH
N016	GUN BELT HOOK - PROVIDE BLOCKING AS NECESSARY
N017	WASHING MACHINE - PROVIDED BY OWNER
N018	DRYER - PROVIDED BY OWNER
N019	CARD READER
N020	PANIC BUTTON
N022	FULLY RECESSED AED CABINET
N023	FOLDING UTILITY SHELF - SHELF SURFACE TO BE 48" ABOVE F.F. WHEN IN USE. PROVIDE BLOCKING AS NECESSARY.
N024	WHITE BOARD SURFACE WITH ALUMINUM TRIM
N025	PASS-THROUGH EVIDENCE LOCKER - SEE SPECIFICATIONS. PROVIDE OPENING IN WALL TO ACCOMMODATE.
N026	CEILING MOUNTED PROJECTOR - SEE ELECTRICAL DRAWINGS.
N027	TACK SURFACE WITH ALUMINUM TRIM
N028	PROVIDE NEW GYPSUM
N029	SCHEDULED BASE - SEE SHEETS AF101 AND AF101A
N030	ROOF LADDER - SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
N031	ICE MACHINE BY OWNER
N032	SERVICE SINK
N033	WHEELCHAIR LIFT

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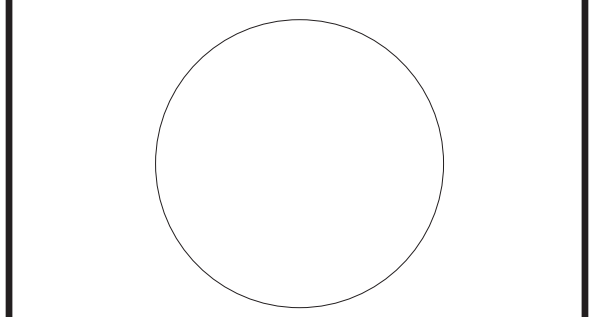
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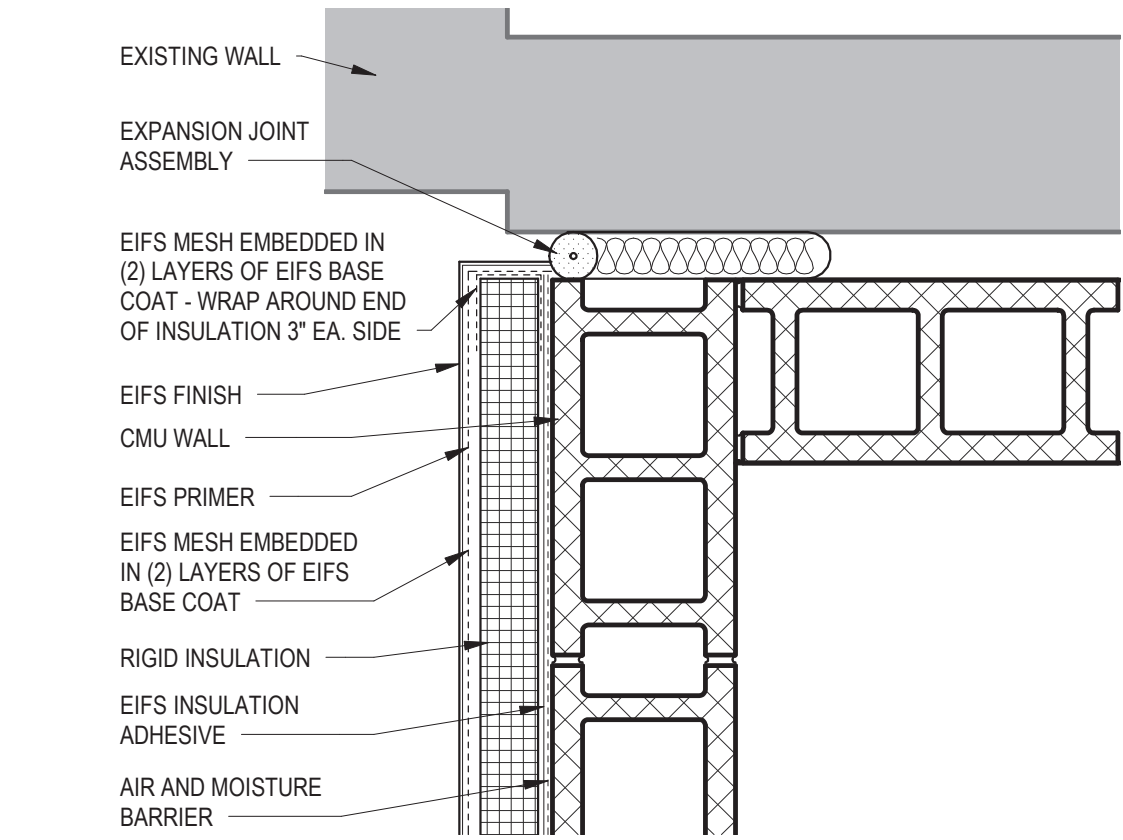
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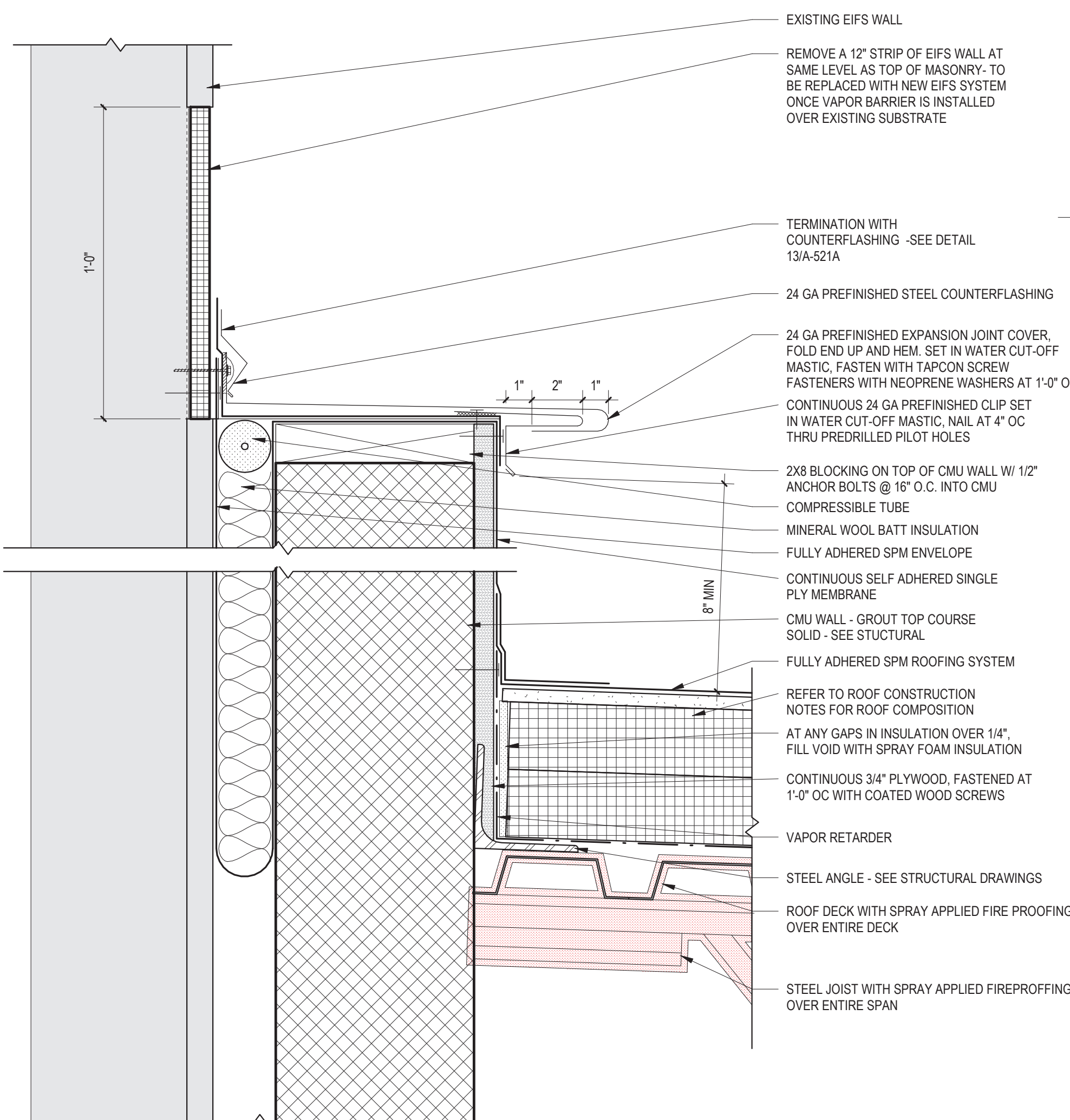
ALTERNATE #1 & #2 -  
SALLY PORT / MAN  
LOCK INTERIOR  
ELEVATIONS

A-406A  
ISSUED FOR BIDDING

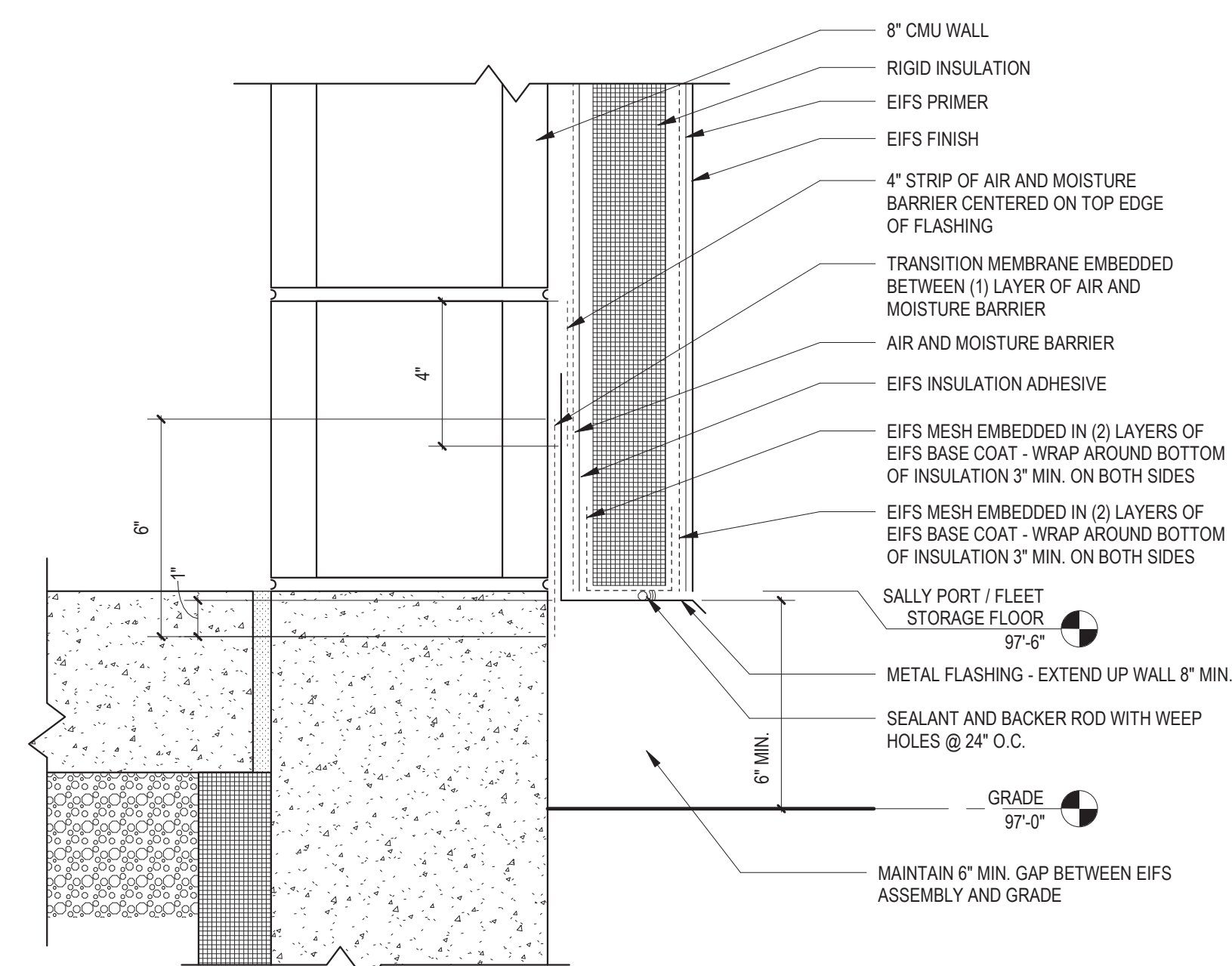




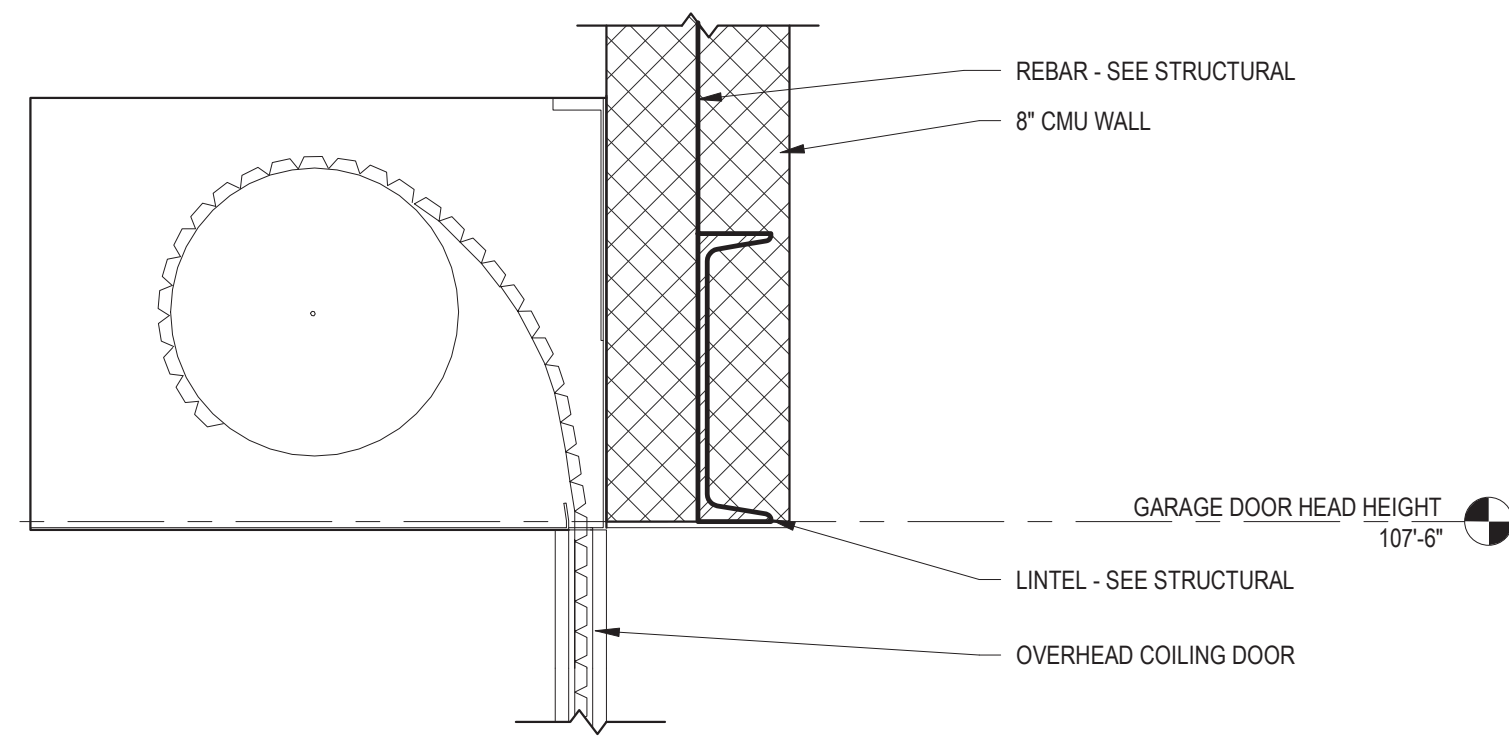
7 ALTERNATE CORNER ASSEMBLY  
1 1/2" = 1'-0" A-101A



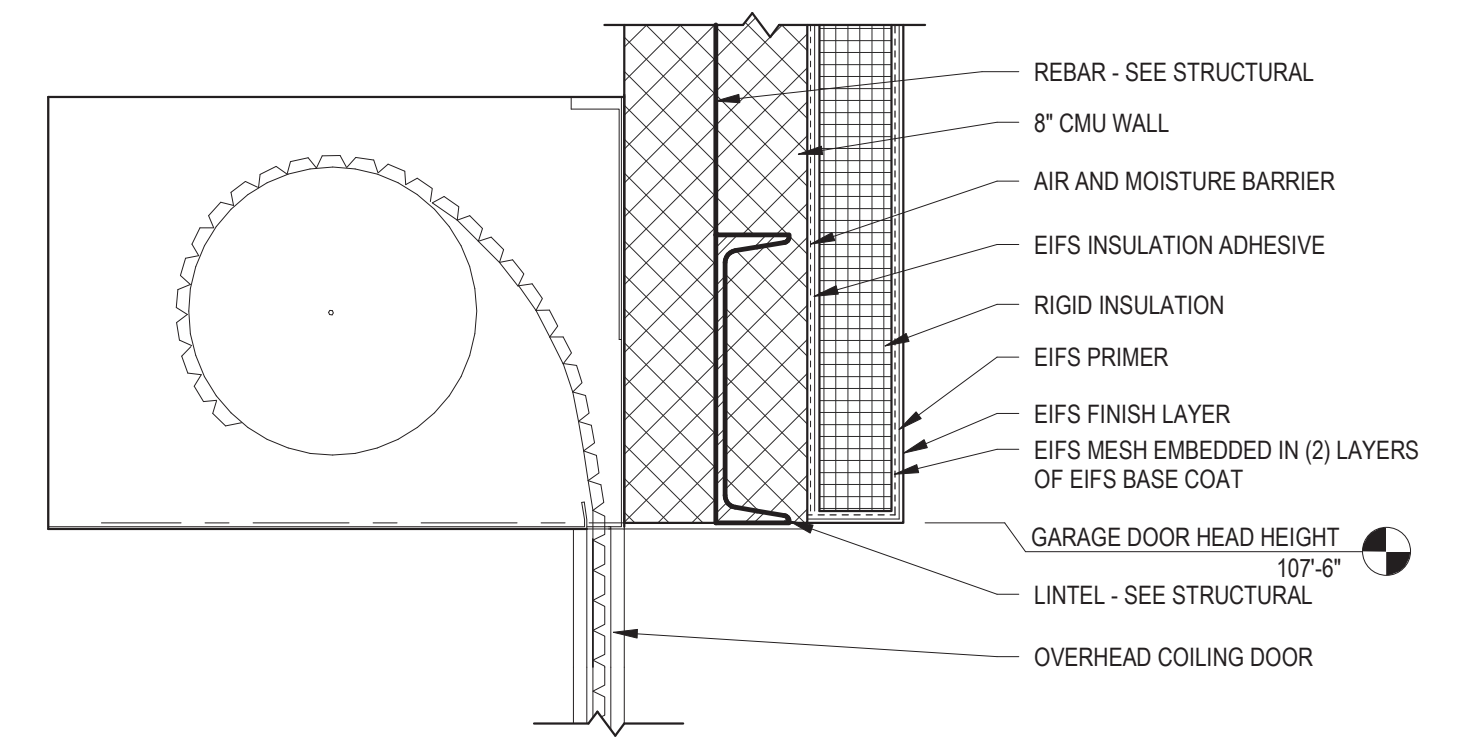
6 EXPANSION JOINT - EXPANSION COVER  
3" = 1'-0" A-101A



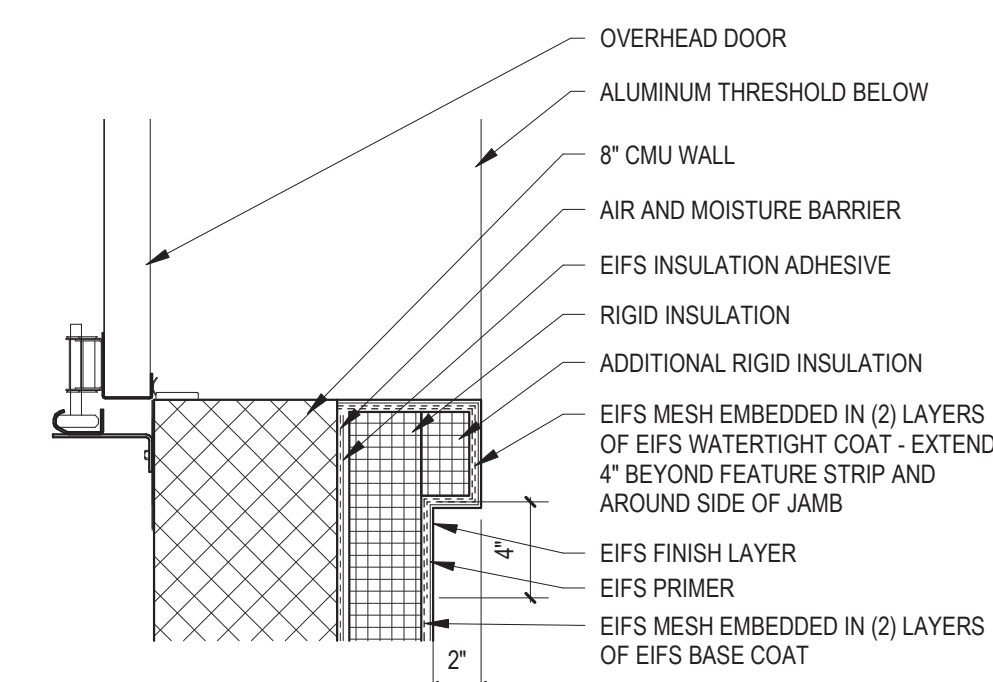
4 EIFS TERMINATION AT GRADE  
3" = 1'-0" A-311



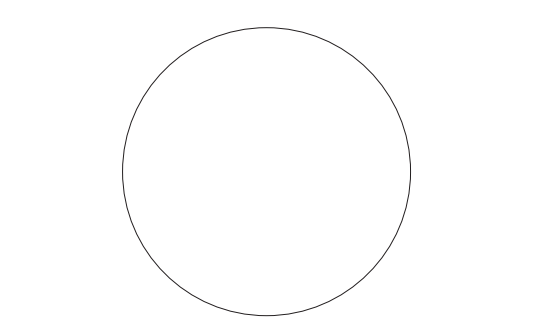
3 GARAGE DOOR - INTERIOR ENTRY DETAIL  
1 1/2" = 1'-0" A-101B



2 GARAGE DOOR - EXTERIOR ENTRY DETAIL  
1 1/2" = 1'-0" A-101A



1 GARAGE DOOR JAMB  
1 1/2" = 1'-0" A-101A



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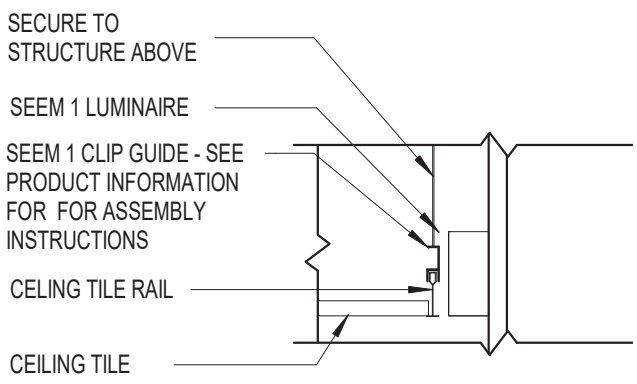
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NO.	DESCRIPTION	DATE

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EXTERIOR DETAILS -  
ALTERNATE #1 &  
ALTERNATE #2

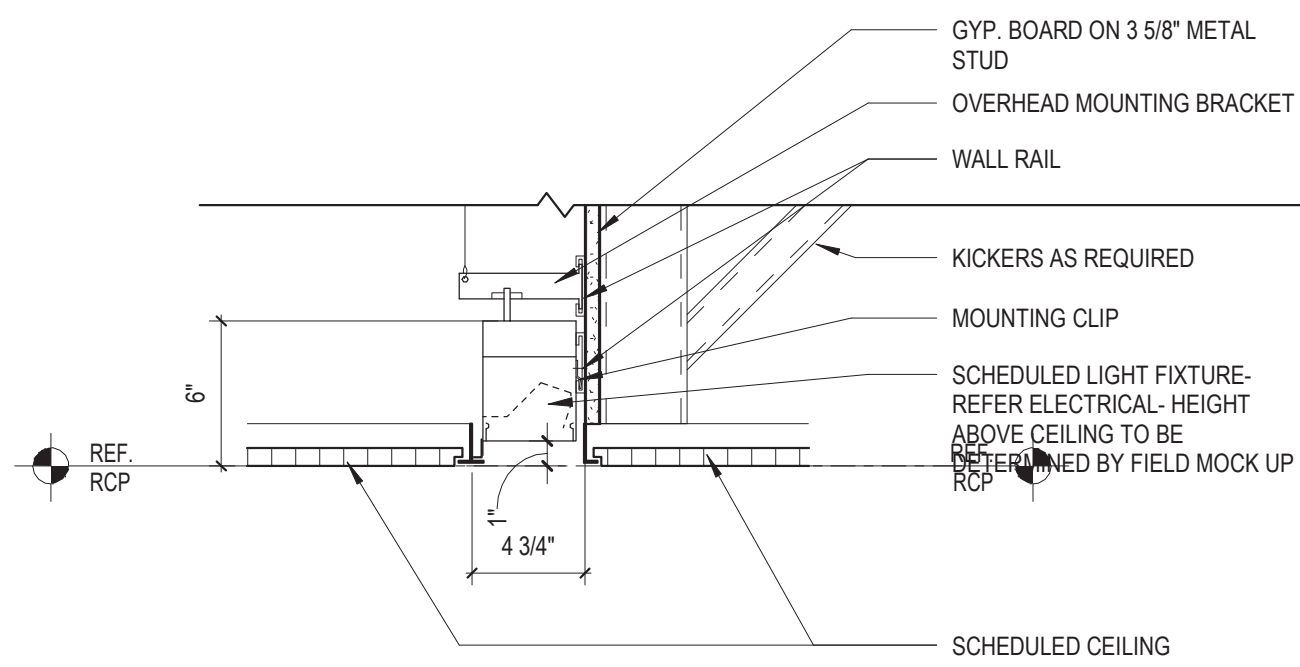
A-501A  
ISSUED FOR BIDDING





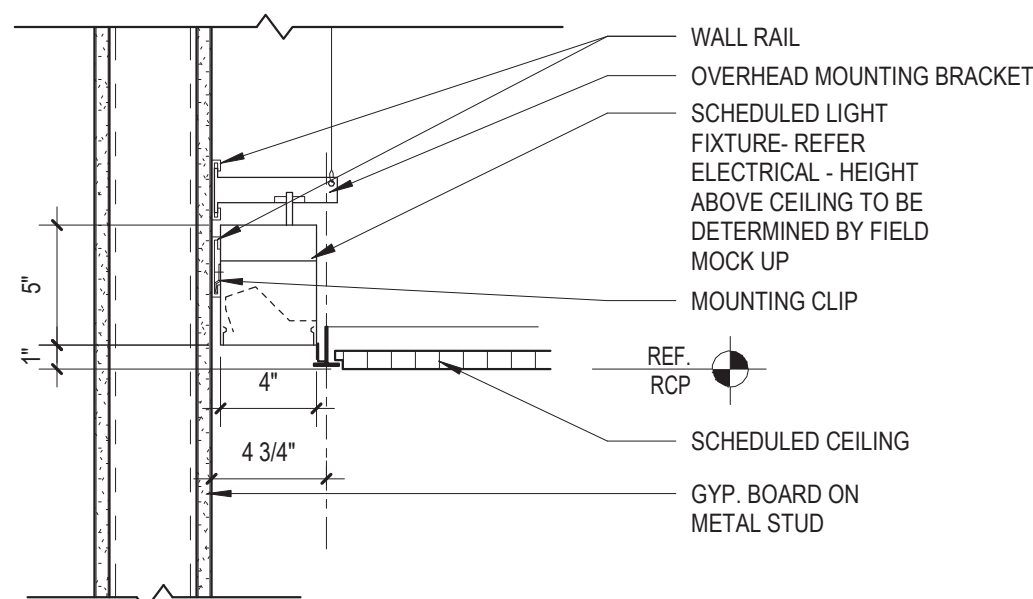
13 SEEM LIGHT - CEILING  
1 1/2" = 1'-0"

AC101



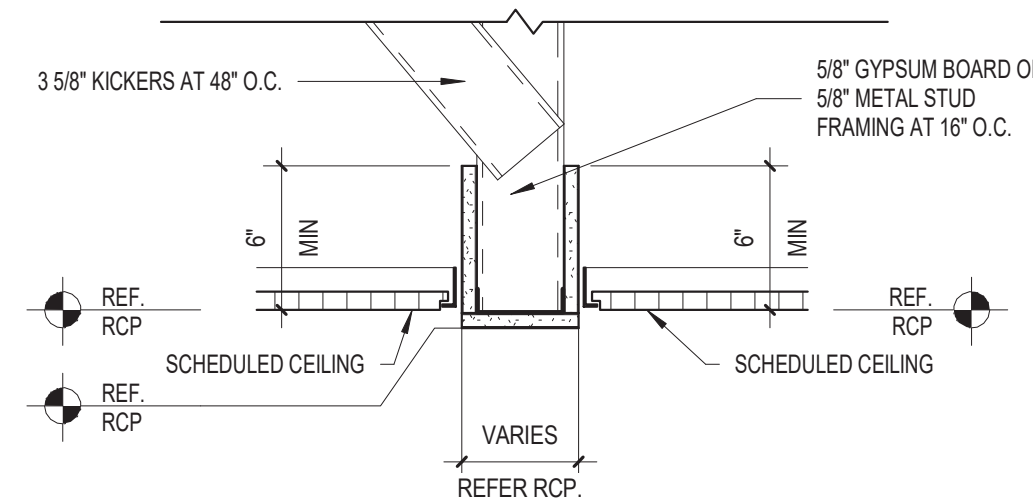
12 SECTION DETAIL  
1 1/2" = 1'-0"

A-101A



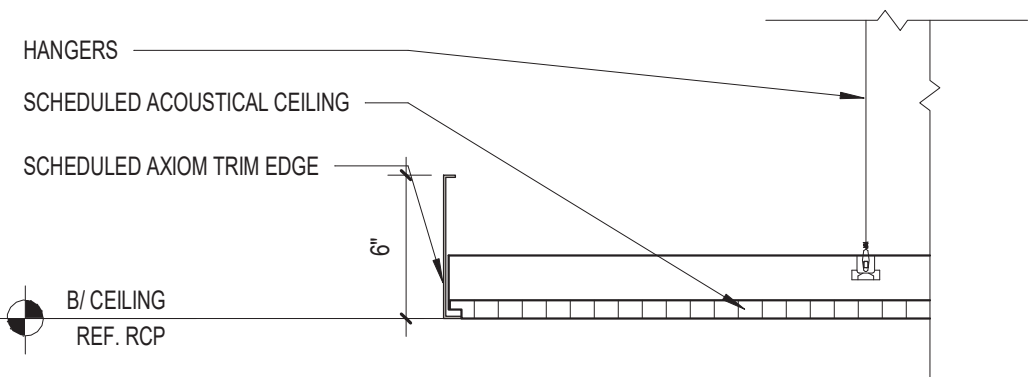
11 SECTION DETAIL  
1 1/2" = 1'-0"

A-101A



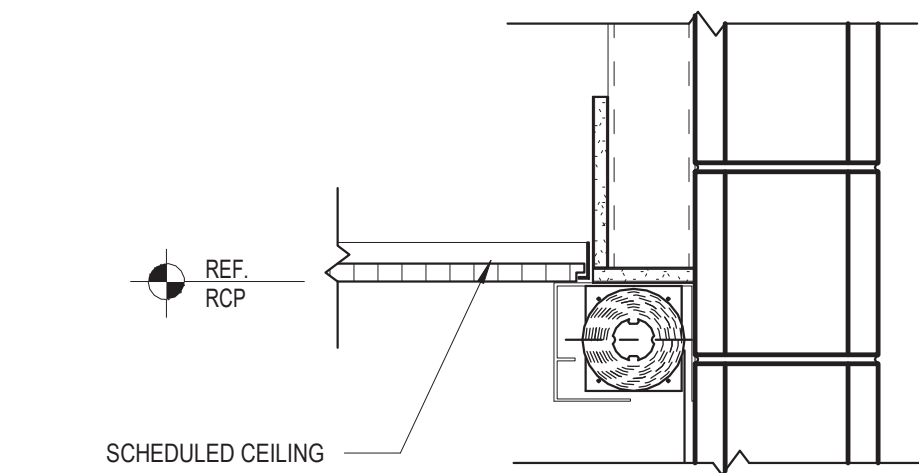
10 TYPICAL CEILING SOFFIT DETAIL  
1 1/2" = 1'-0"

A-101A



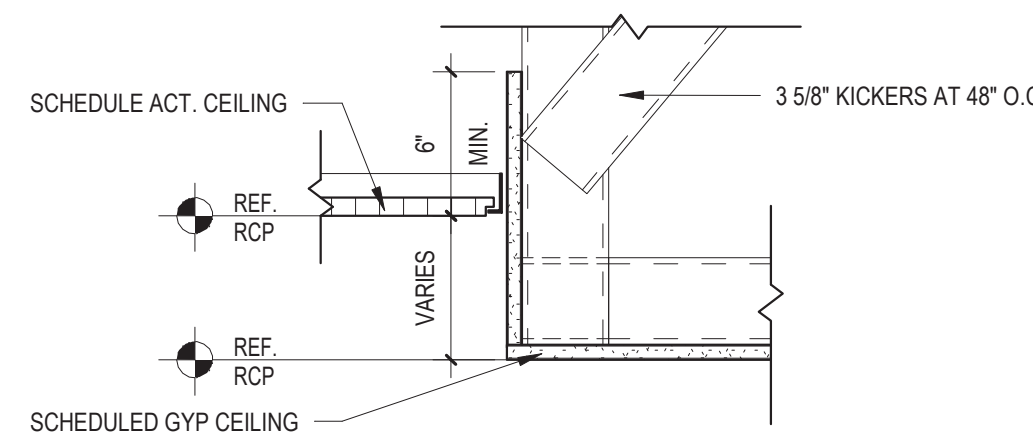
9 TYPICAL ACT TRIM DETAIL  
1 1/2" = 1'-0"

A-101A



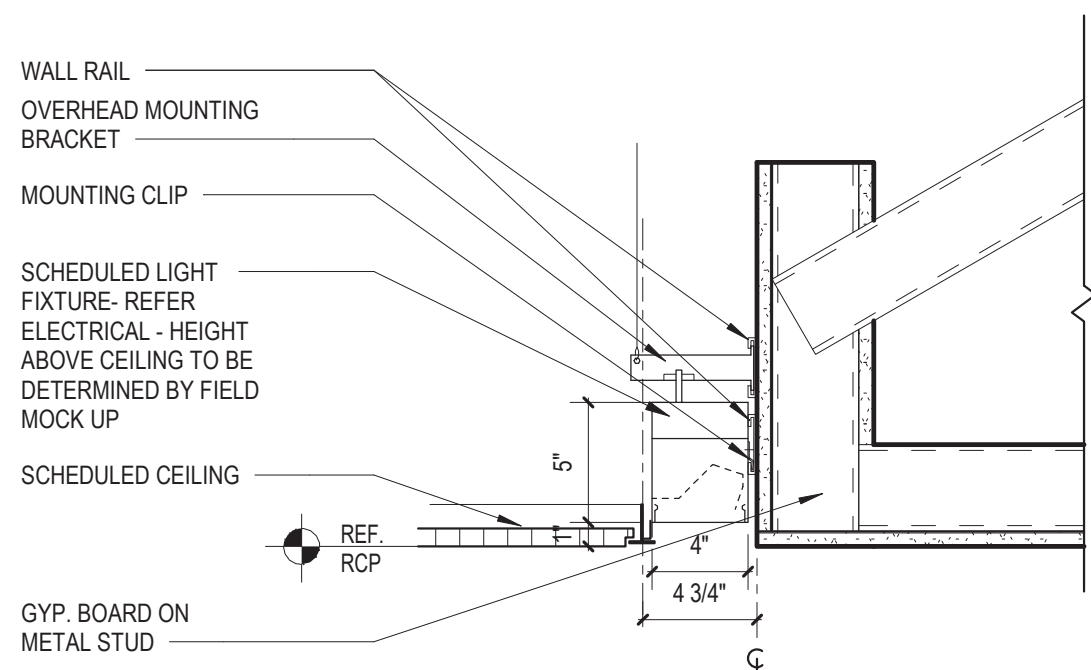
8 MECO SHADE DETAIL  
1 1/2" = 1'-0"

A-101A



7 GYP TO ACT  
1 1/2" = 1'-0"

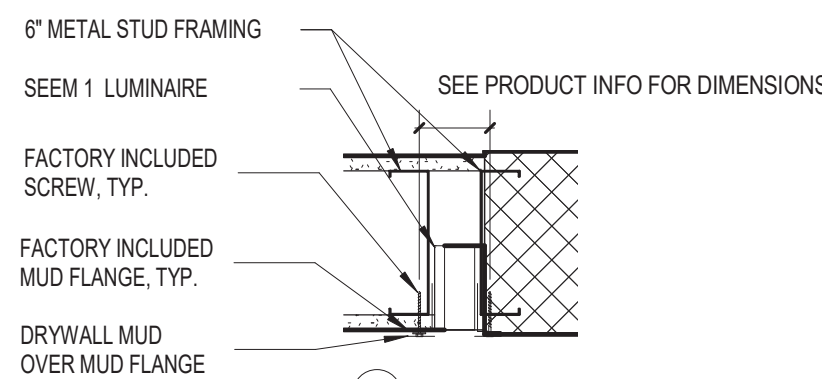
A-101A



14 SECTION DETAIL  
1 1/2" = 1'-0"

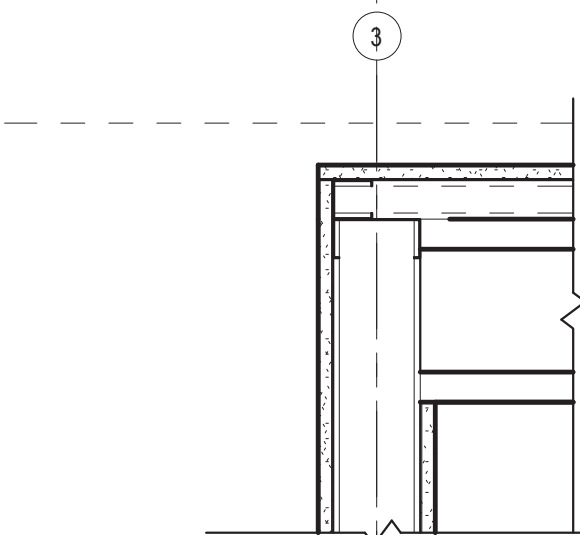
A-212

- GENERAL NOTES: THRESHOLDS**
1. ALL ALUMINUM THRESHOLDS TO BE FIRE RATED (FR) & CONFORM TO UL 10C.
  2. USE ALUMINUM THRESHOLD UNDER ALL RATED DOORS (UNLESS FLOOR IS EXPOSED CONCRETE).
  3. ALL ALUMINUM THRESHOLDS TO BE ANCHORED TO CONCRETE WITH FLAT HEAD METAL (FINISH TO MATCH ALUMINUM) EXPANSION ANCHORS.
  4. RESILIENT FLOORING = VCT OR RUBBER OR LINOLEUM FLOORING
  5. CARPET = CARPET OR CARPET TILE
  6. TILE = PORCELAIN OR CERAMIC OR MOSAIC TILE



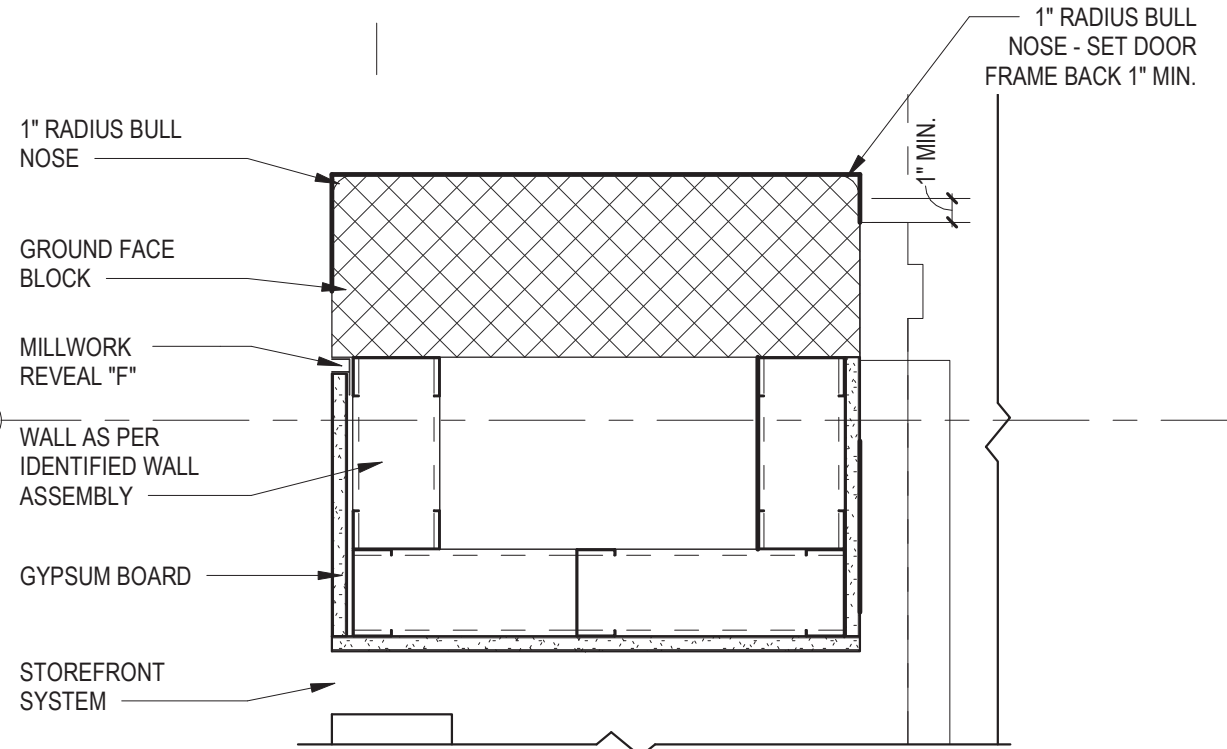
5 SEEM LIGHT - WALL  
1 1/2" = 1'-0"

A-211



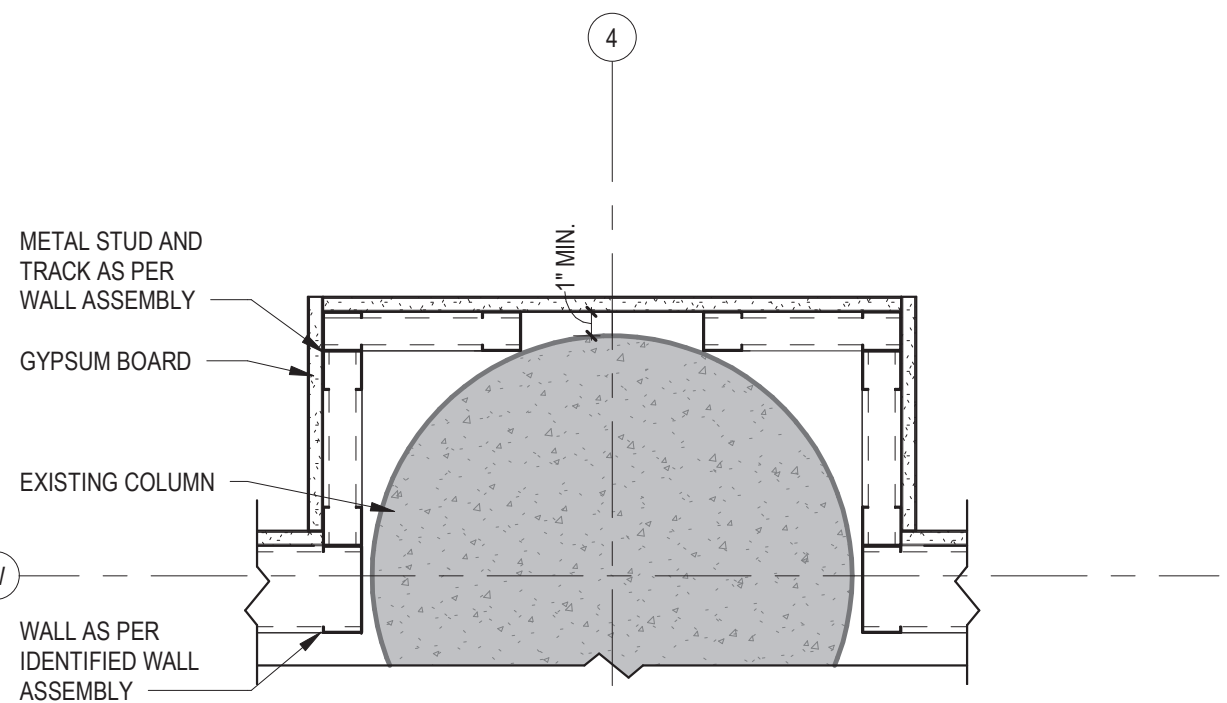
4 GROUND FACE BLOCK / GYPSUM TRANSITION DETAIL  
1 1/2" = 1'-0"

A-101



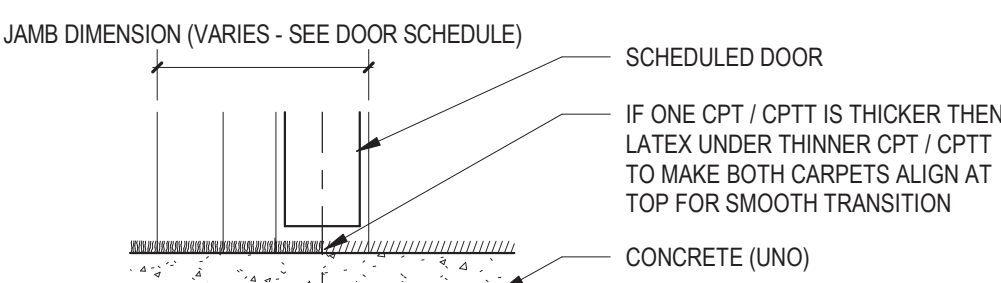
3 GROUND FACE BLOCK / GYPSUM TRANSITION DETAIL  
1 1/2" = 1'-0"

A-101



2 TYPICAL COLUMN FURRING PLAN  
1 1/2" = 1'-0"

A-101



1 CARPET / CARPET TRANSITION  
3\"/>

**LEGAT** ARCHITECTS  
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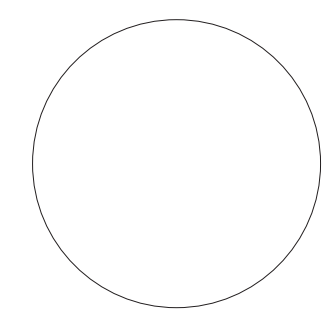
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**INTERIOR DETAILS**

**A-511**  
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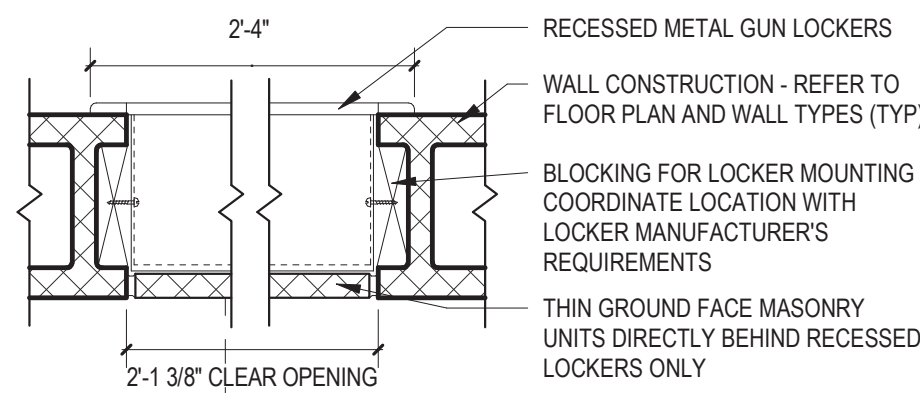
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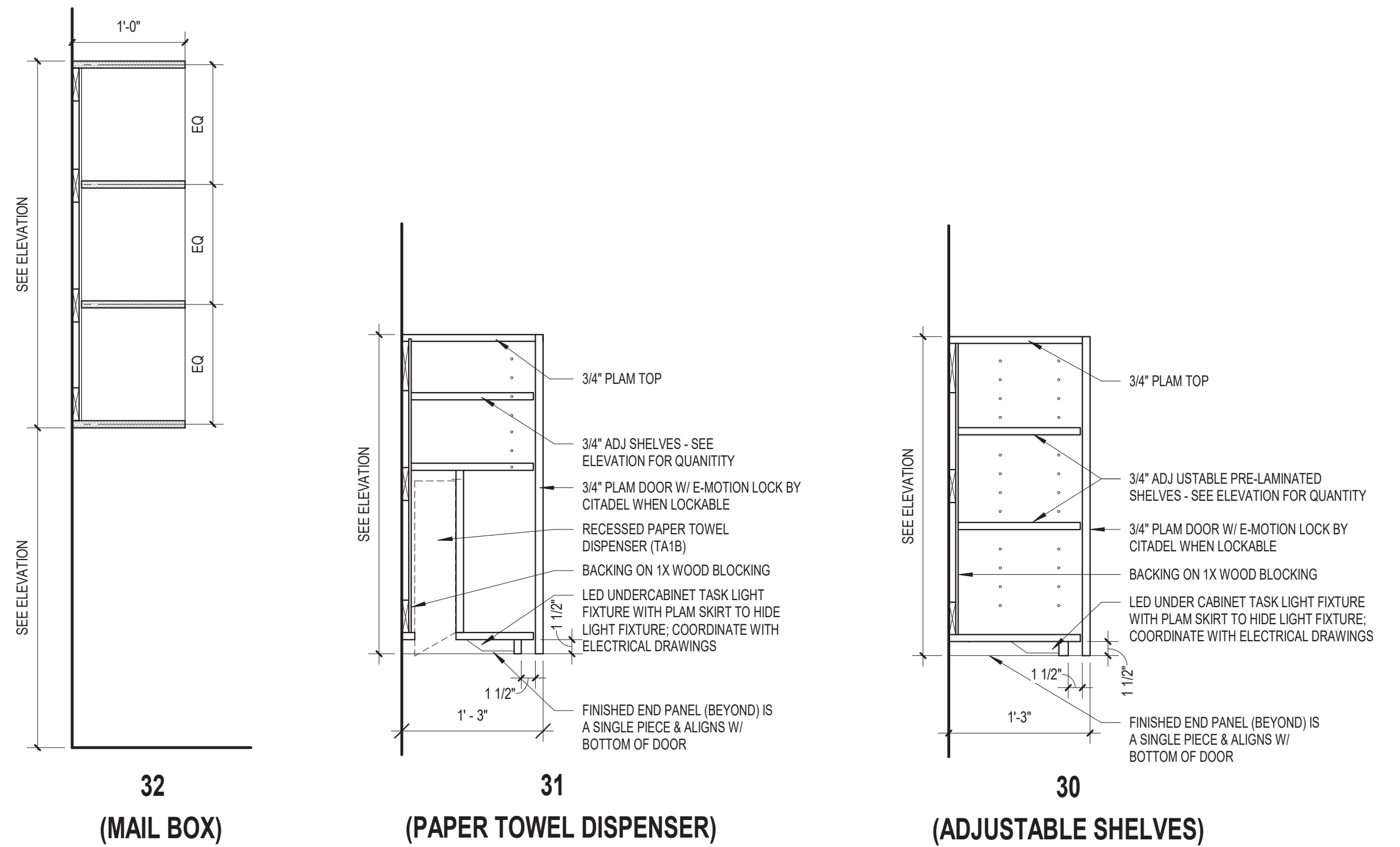
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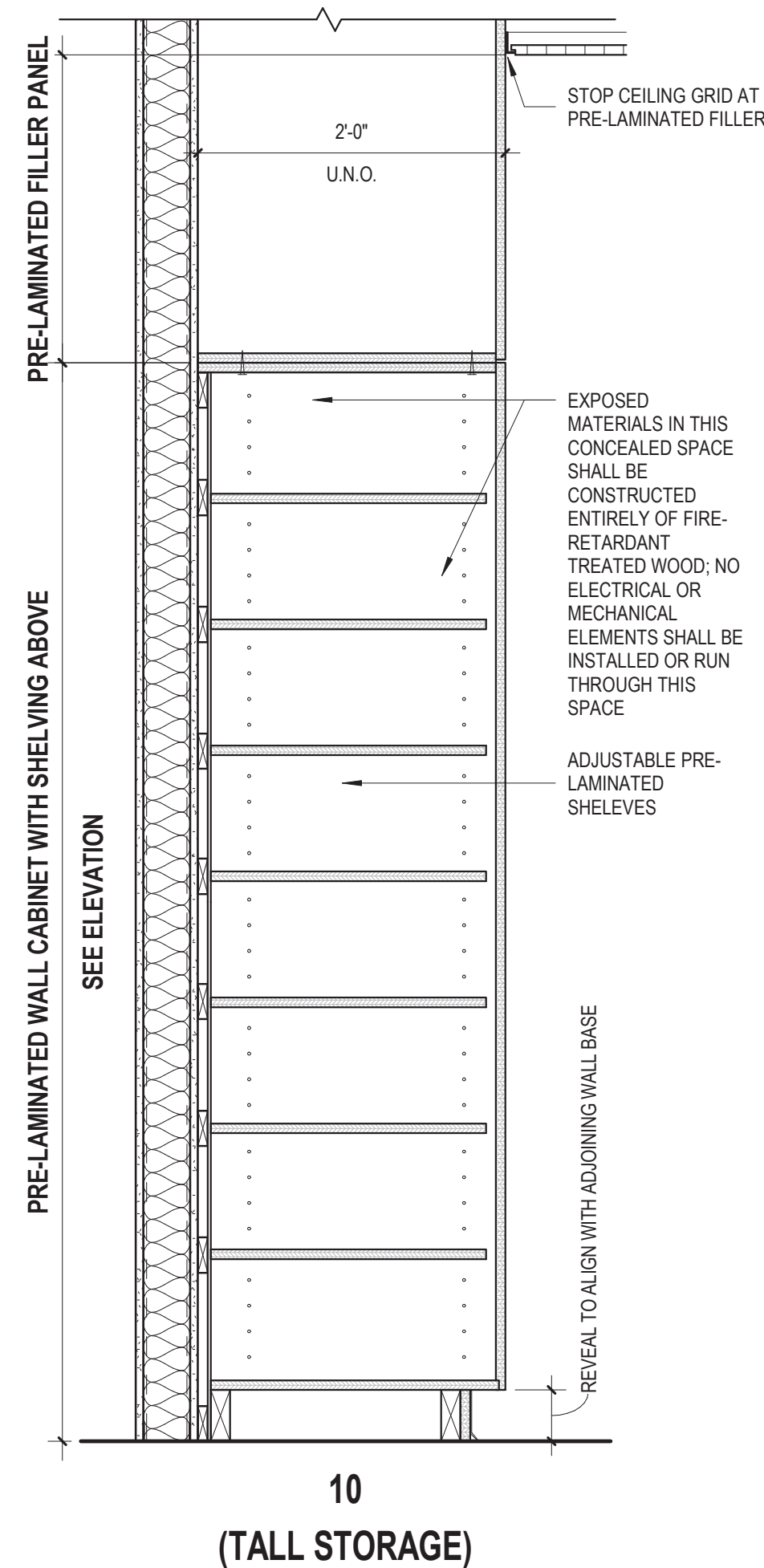
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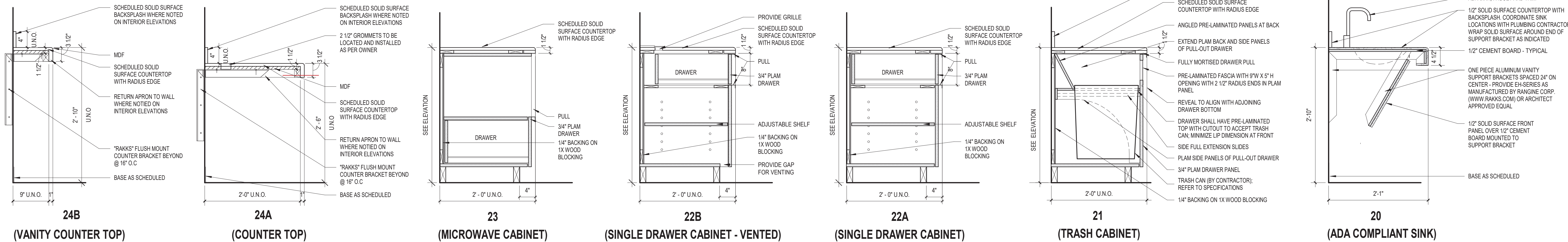
2 RECESSED GUN LOCKER DETAIL  
1 1/2" = 1'-0"



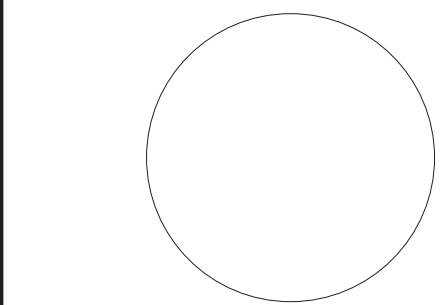
SCALE: 1"=1'-0"  
TYPICAL WALL CABINETS



10  
(TALL STORAGE)



SCALE: 1"=1'-0"  
TYPICAL BASE CABINETS



SIGNATURE \_\_\_\_\_  
DATE \_\_\_\_\_

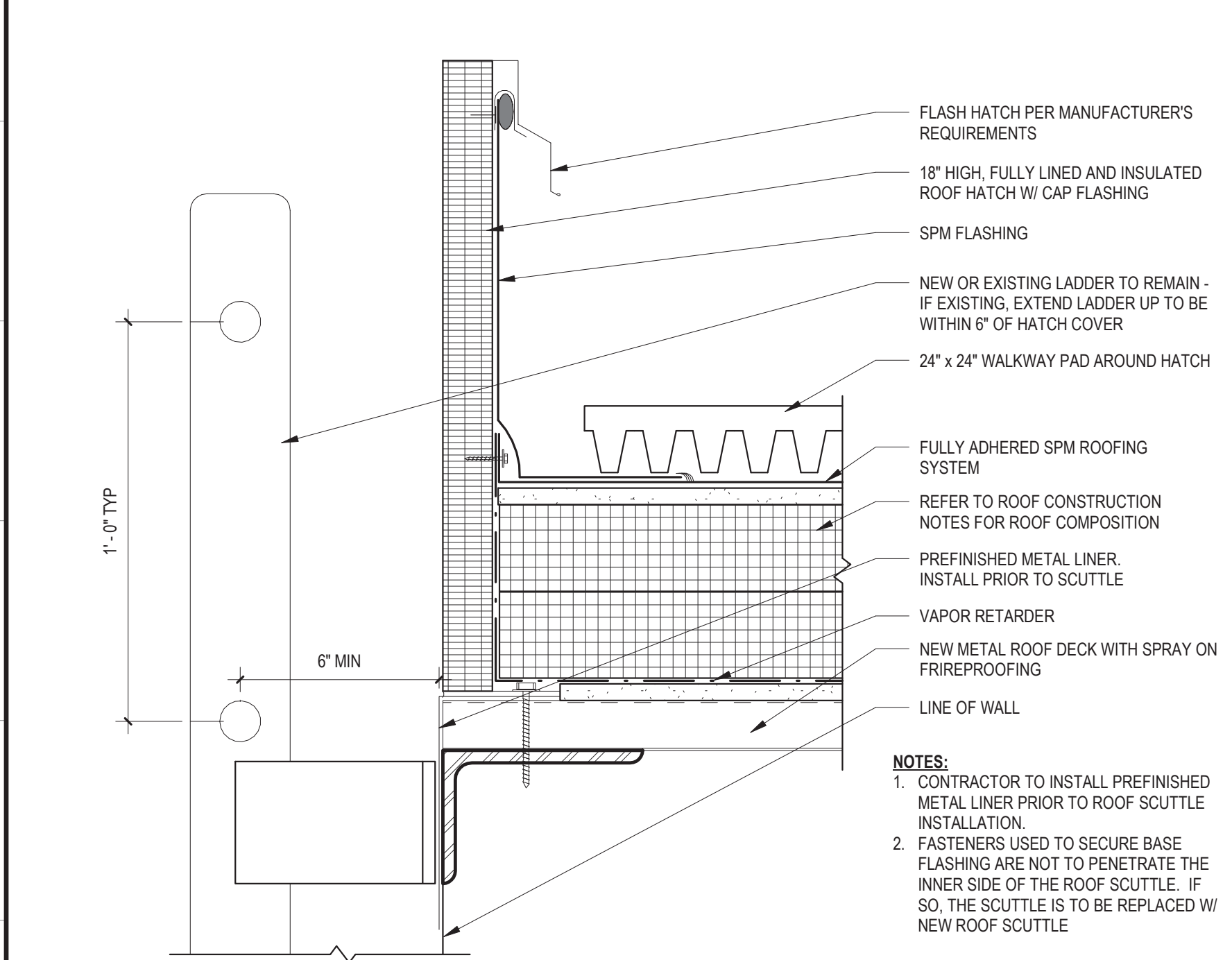
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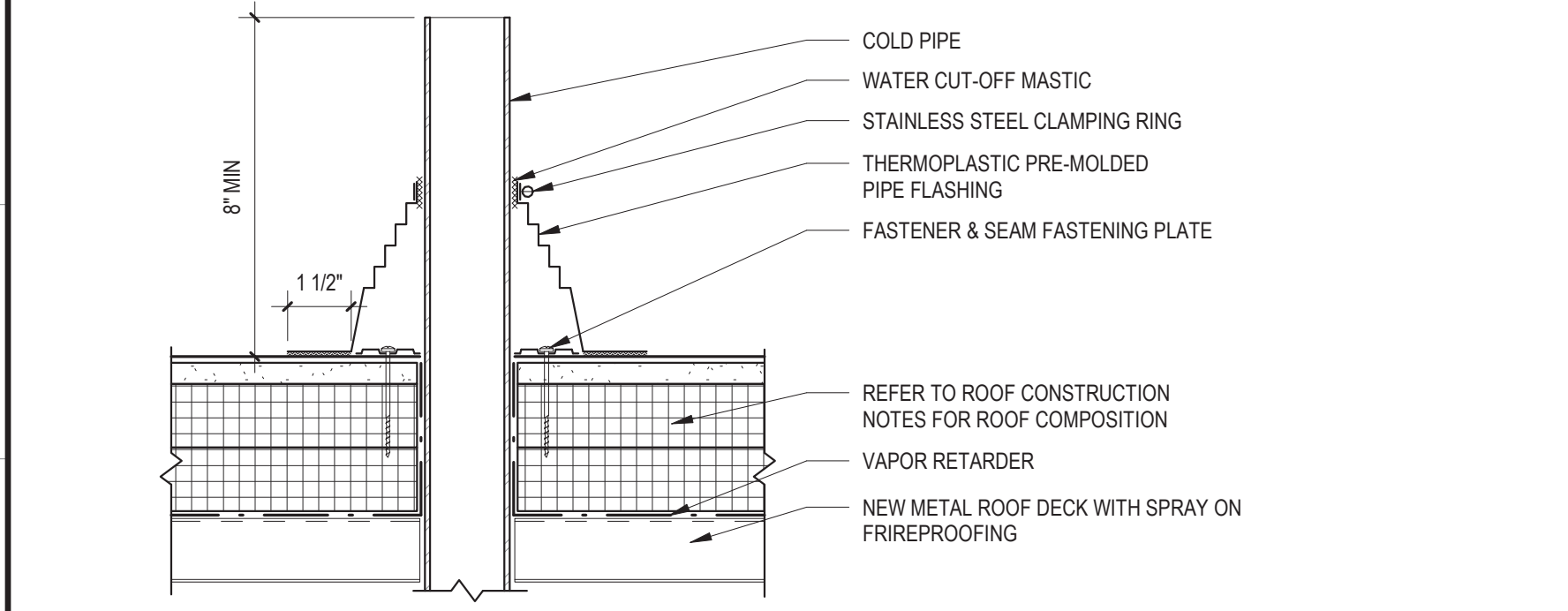
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INTERIOR DETAILS

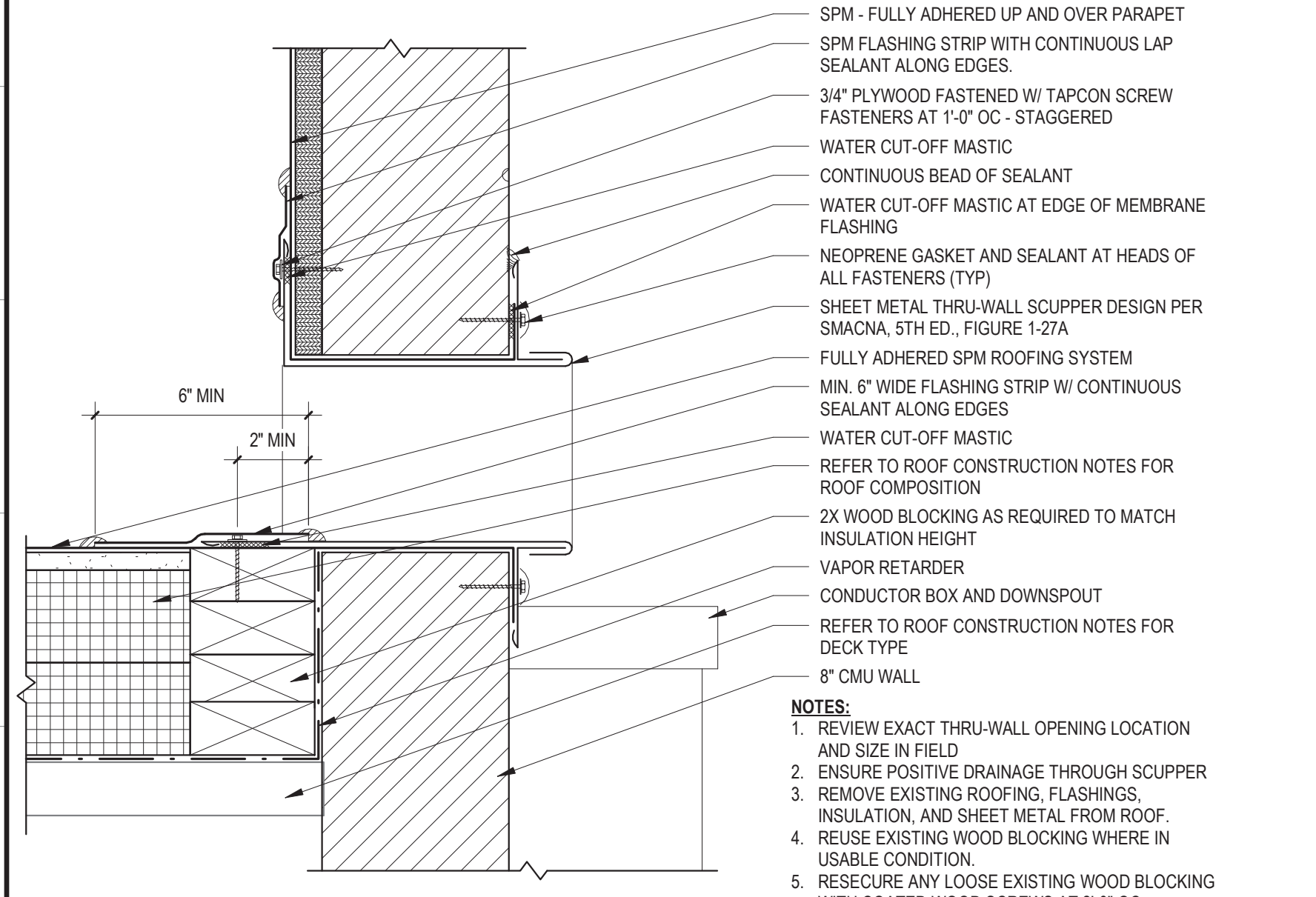




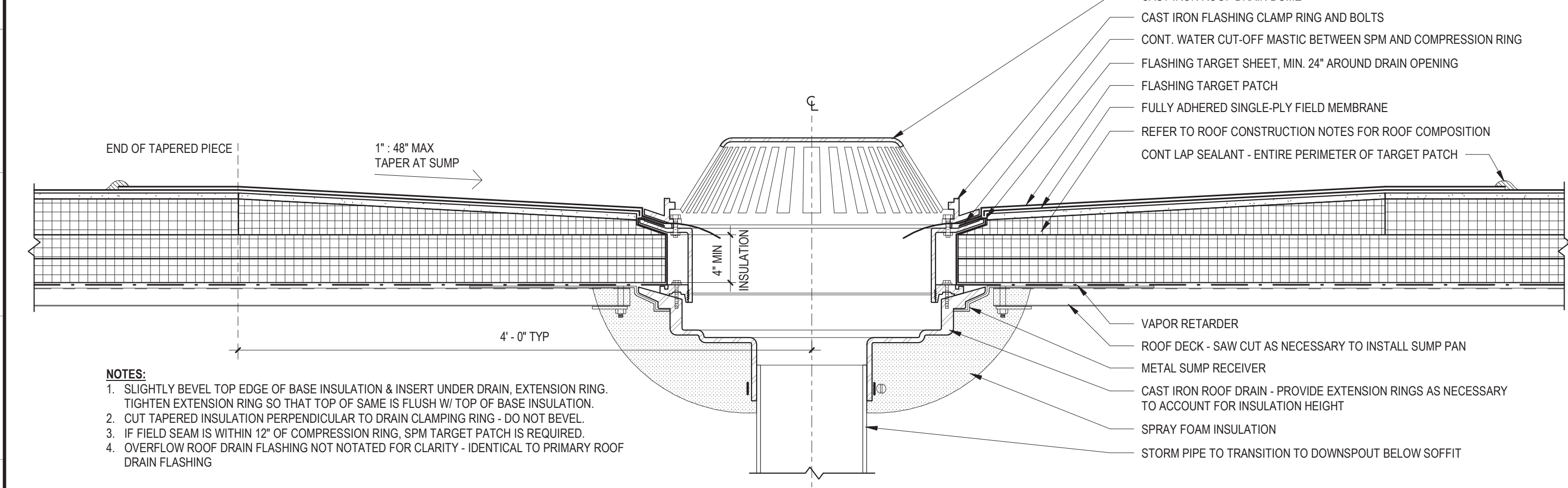
17 CURB - ROOF HATCH  
3' = 1'-0"



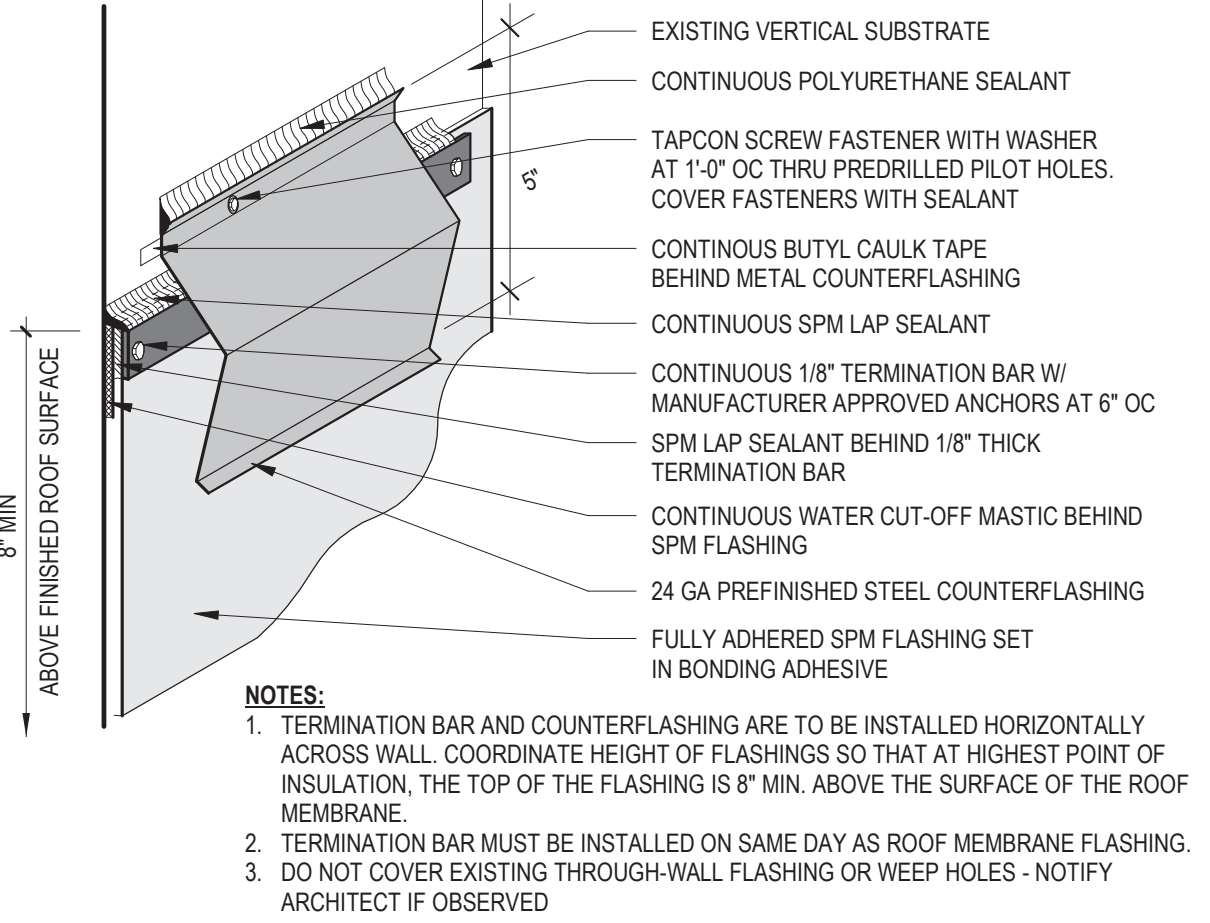
16 COLD PIPE FLASHING - PRE-MOLDED  
3' = 1'-0"



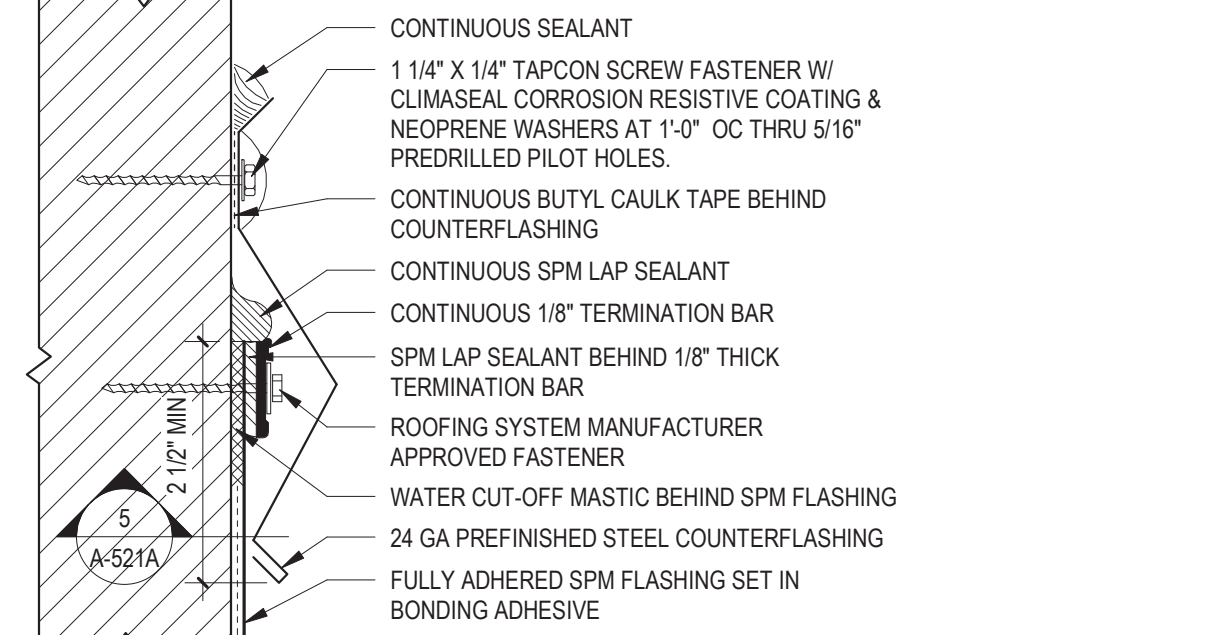
15 SHEET METAL SCUPPER  
3' = 1'-0"



11 ROOF PENETRATION - ROOF DRAIN  
1 1/2" = 1'-0"

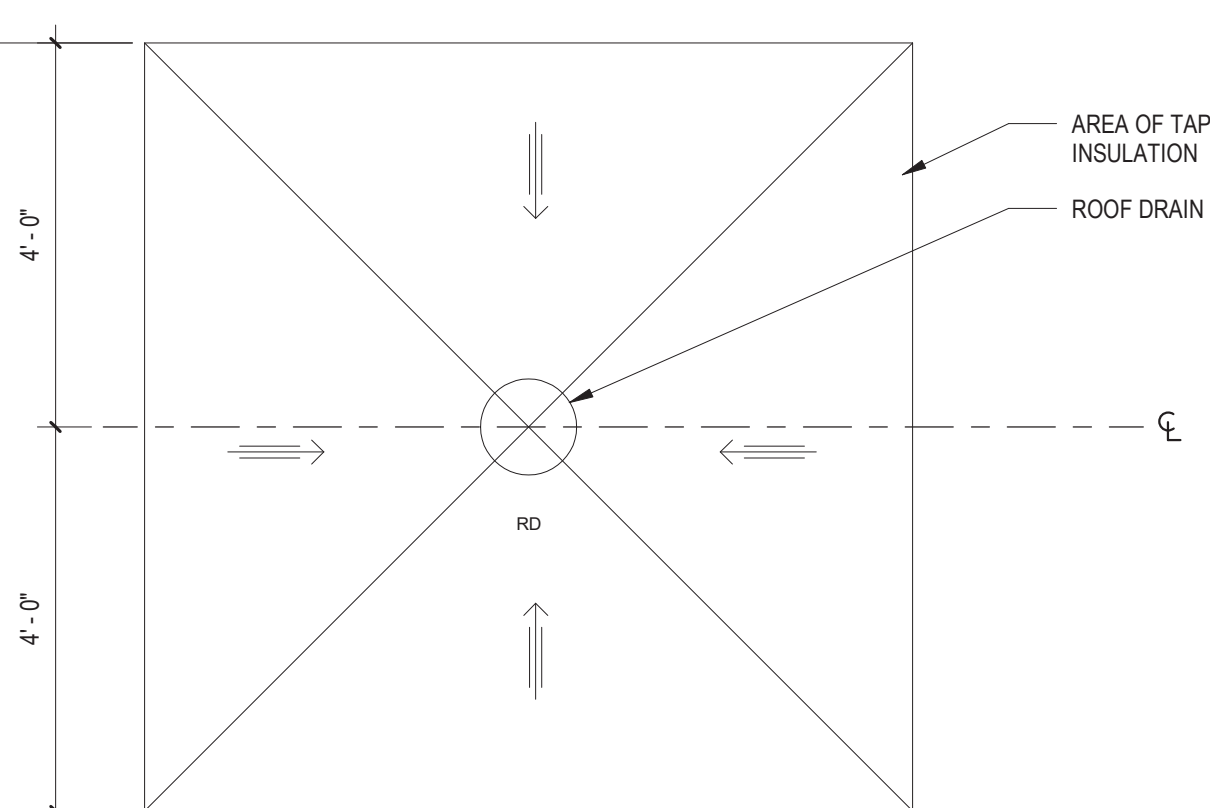


14 TERMINATION W/ COUNTERFLASHING AXON  
3' = 1'-0"

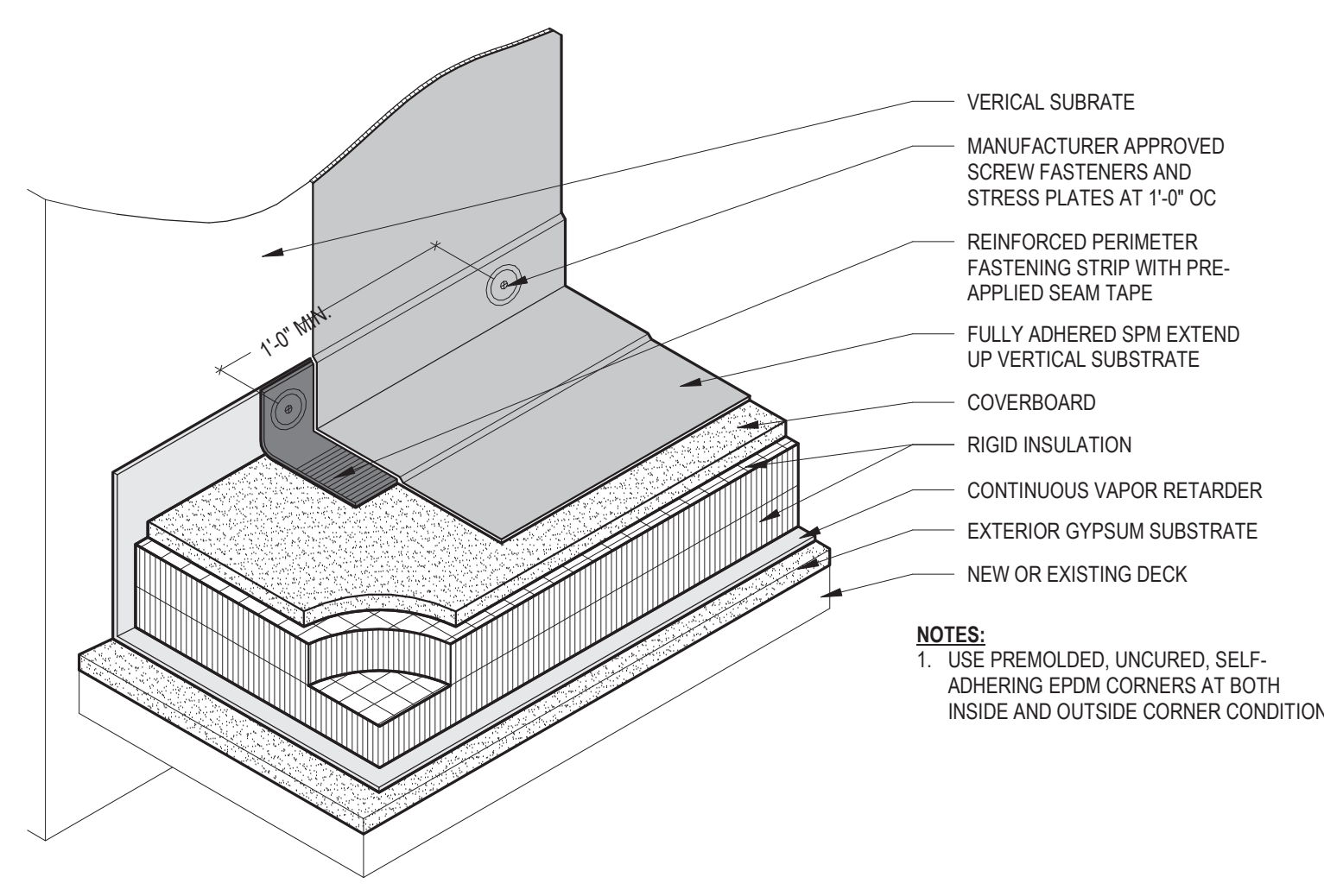


13 TERMINATION W/ COUNTERFLASHING  
6' = 1'-0"

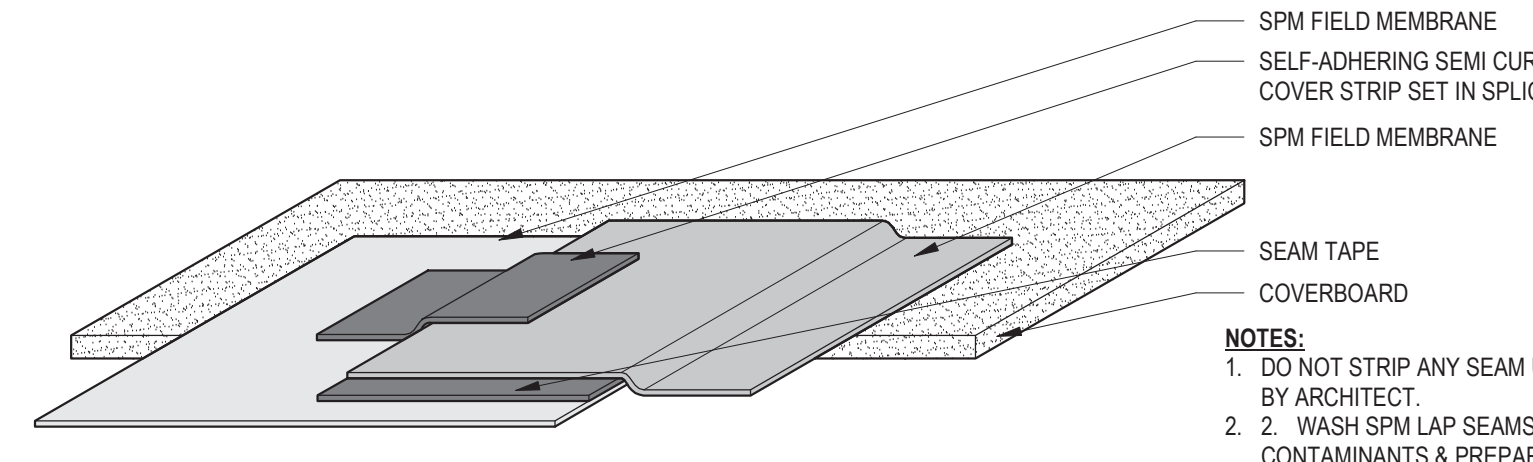
12 ROOF PENETRATION - ROOF DRAIN PAN  
1/2" = 1'-0"



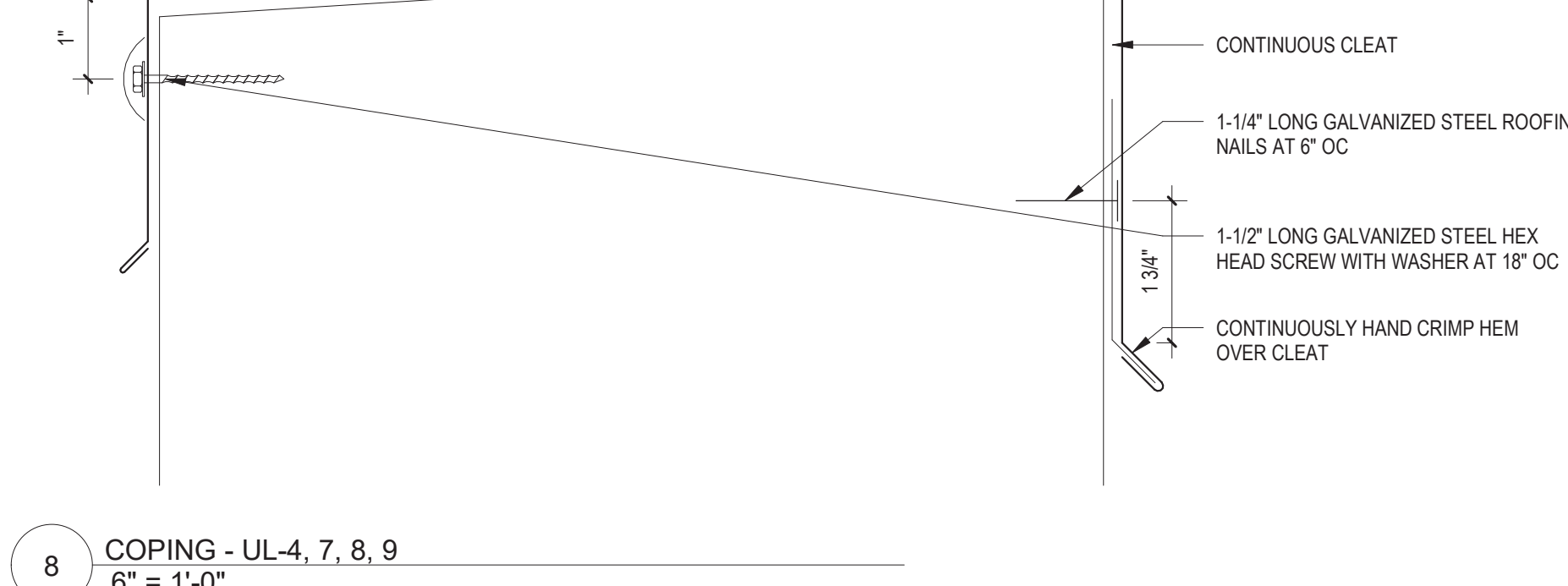
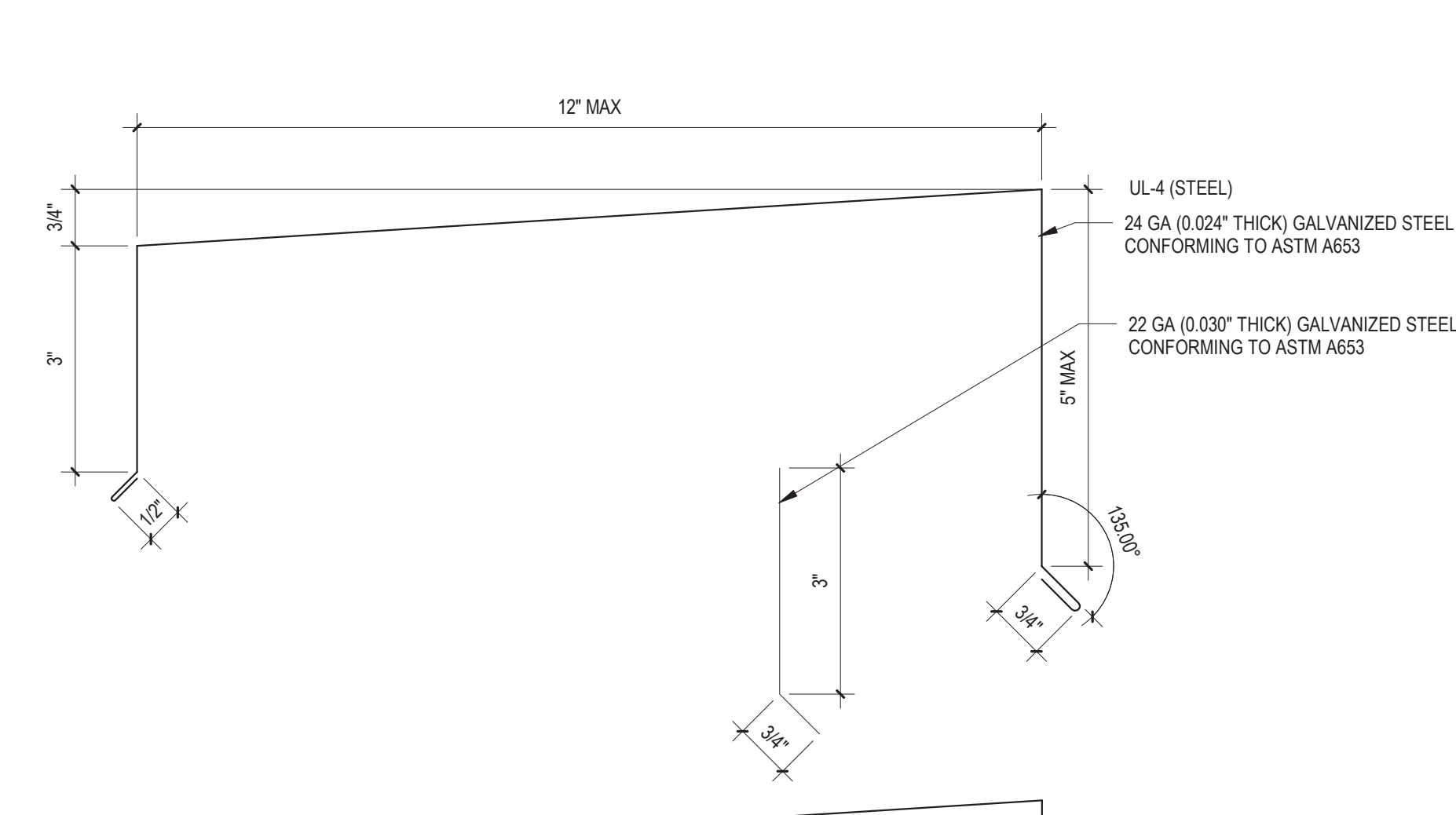
12 ROOF PENETRATION - ROOF DRAIN PAN  
1/2" = 1'-0"



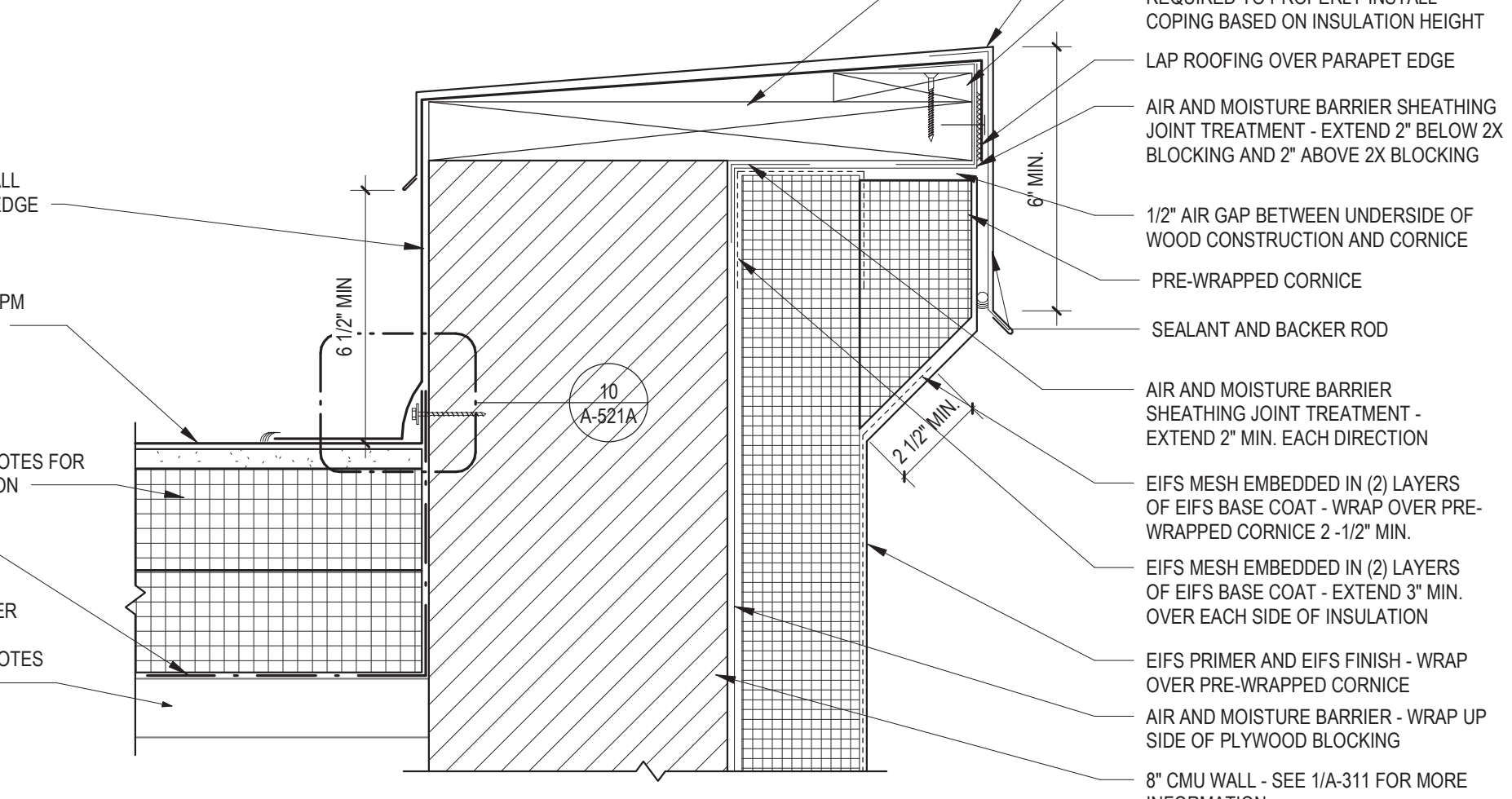
10 EPDM BASE FLASHING AXON  
1 1/2" = 1'-0"



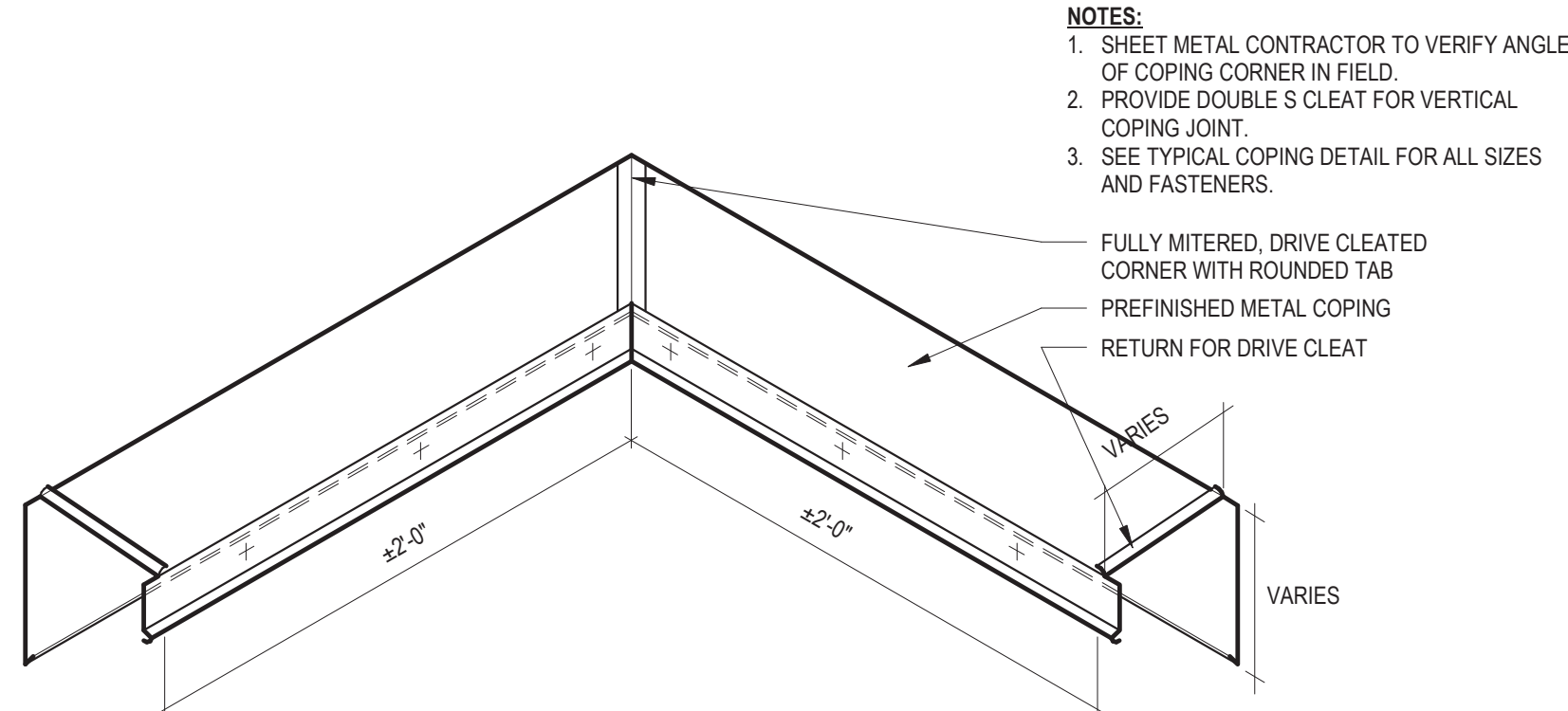
9 EPDM LAP SEAM W/ COVER STRIP  
1 1/2" = 1'-0"



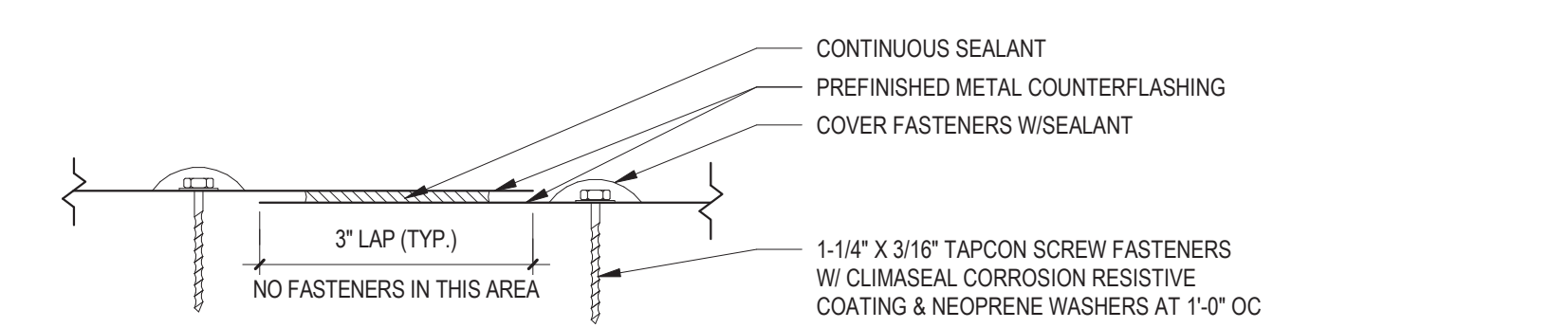
8 COPING - UL-4, 7, 8, 9  
6' = 1'-0"



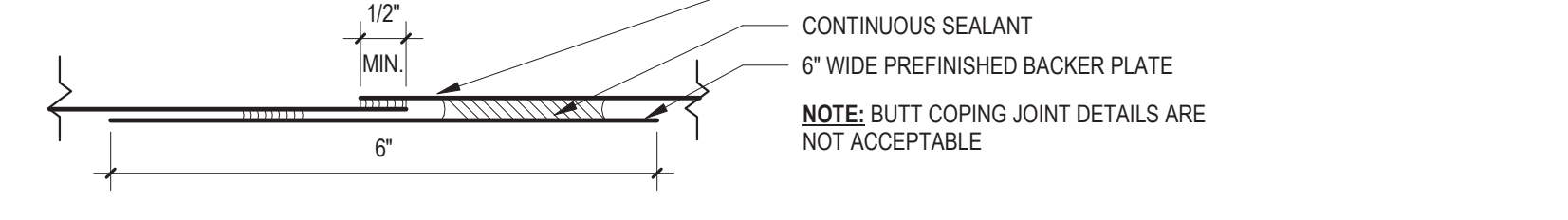
7 PARAPET DETAIL  
3' = 1'-0"



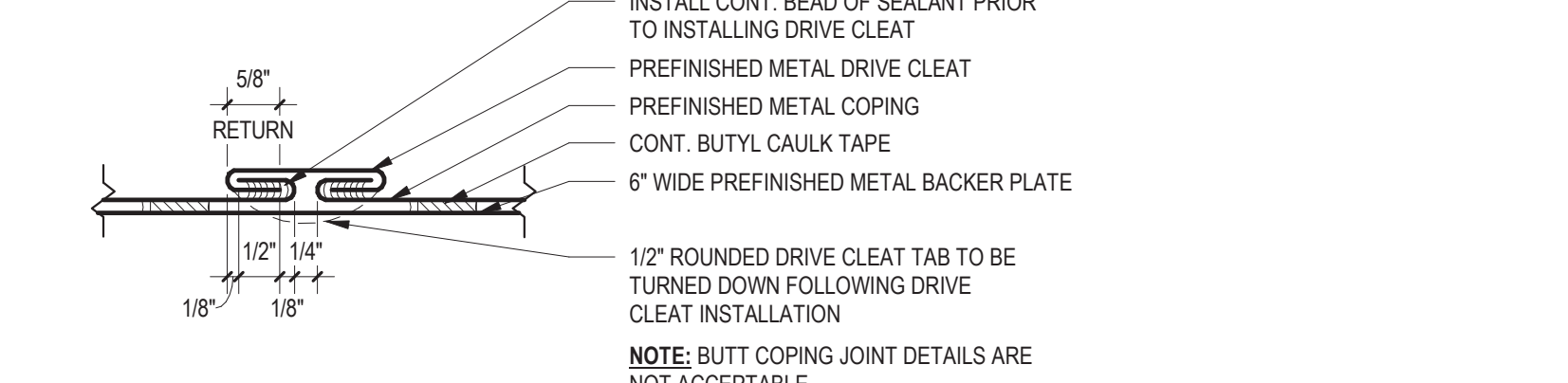
6 OUTSIDE COPING CORNER DETAIL  
1 1/2" = 1'-0"



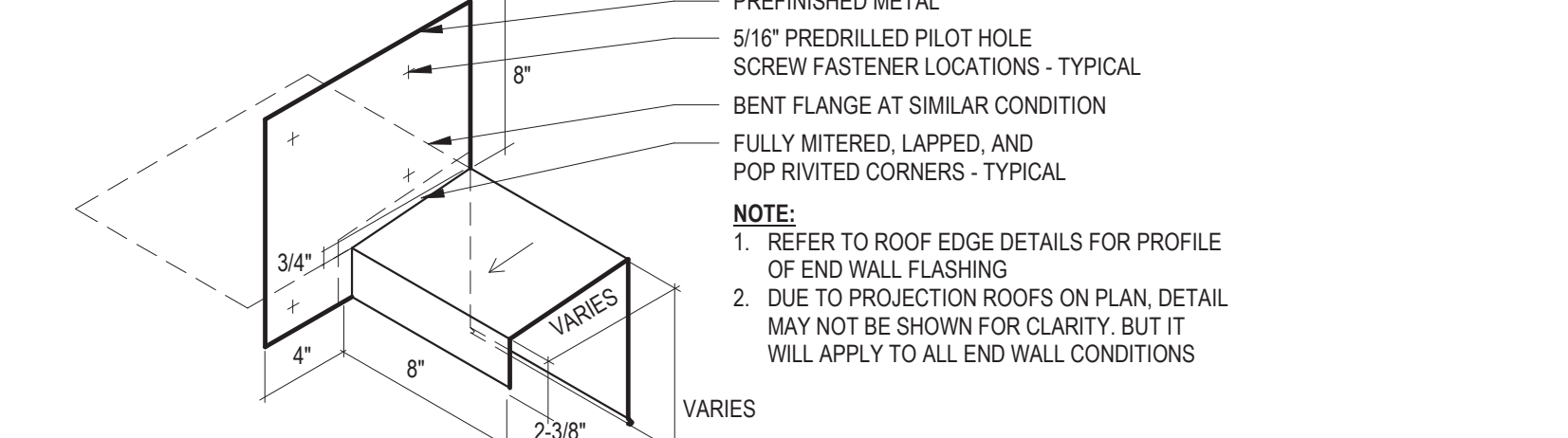
5 TYPICAL COUNTERFLASHING LAP JOINT  
6" = 1'-0"



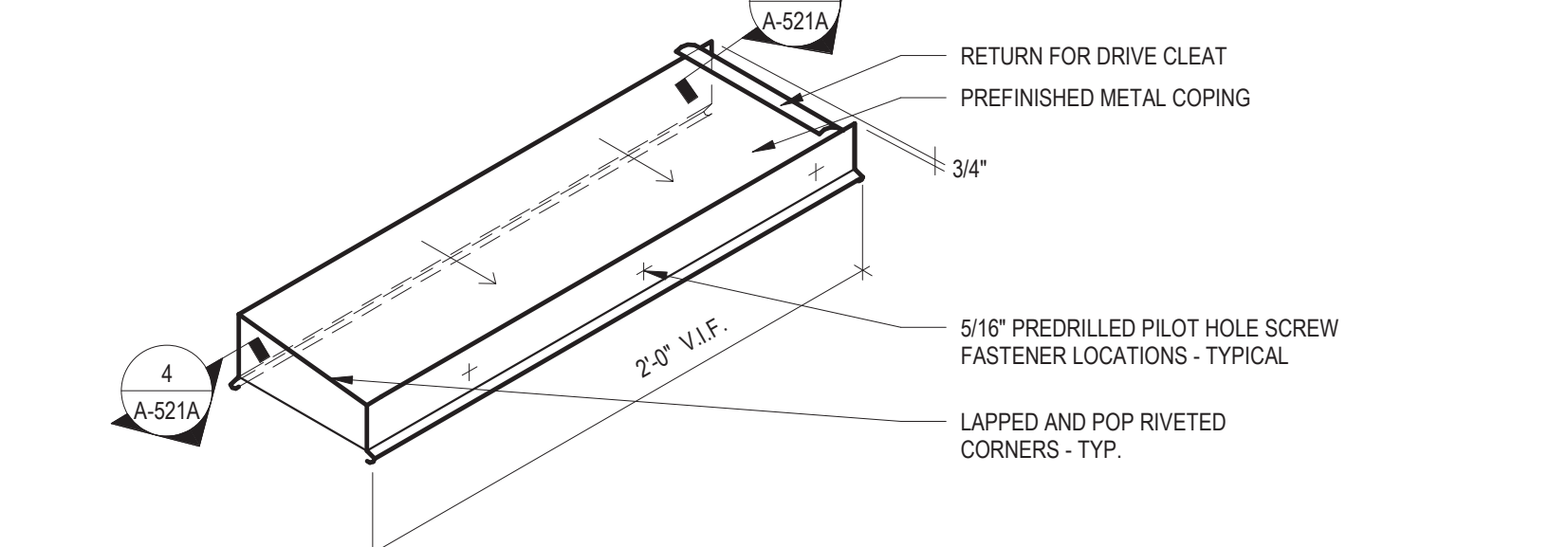
4 VERTICAL COPING CLEAT JOINT DETAIL  
6" = 1'-0"



3 HORIZONTAL COPING CLEAT JOINT DETAIL  
6" = 1'-0"



2 END WALL FLASHING DETAIL  
1 1/2" = 1'-0"



1 COPING END PIECE  
1 1/2" = 1'-0"

JOLIET  
JUNIOR  
COLLEGE

CAMPUS POLICE  
RENOVATIONS

1215 Houbolt Road  
Joliet, IL 60431

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Legat Architects

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Oak Brook, IL, 60523  
P: 630.990.3541  
www.legat.com

CIVIL ENGINEER  
RT&A Inc.

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Shorewood, IL 60404  
P: 815.744.5600  
www.ruettigertonnelli.com

STRUCTURAL ENGINEER  
Pease Borst & Associates

18 Executive Court  
South Barrington, IL 60010  
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F: 847.842.6935  
www.peaseborst.com

ME/P E P ENGINEER  
RTM Engineering Consultants

650 E. Algonquin, Suite 250  
Schaumburg, IL 60173  
P: 847.756.4180  
www.rtmec.com

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DATE

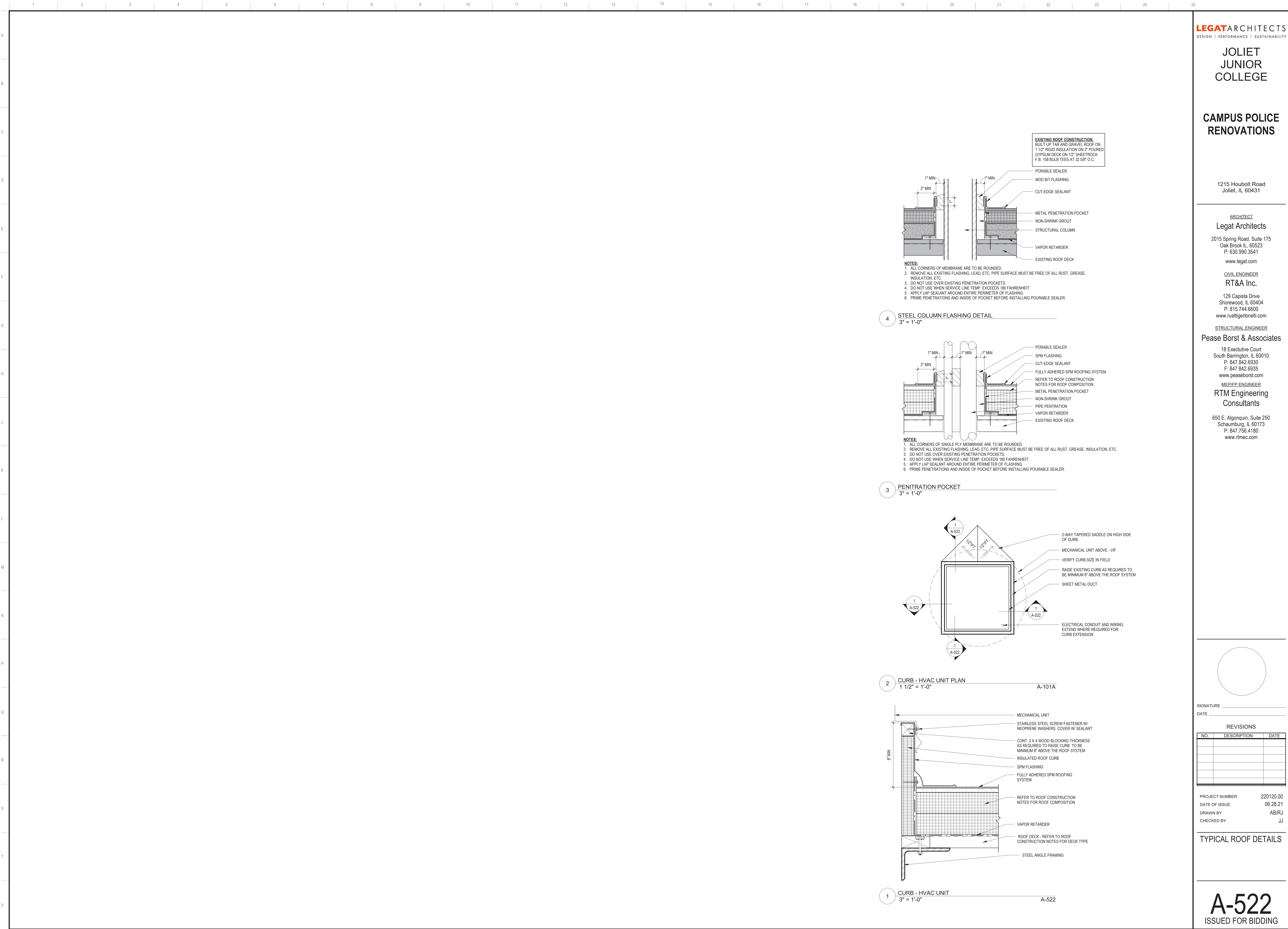
REVISIONS		
NO.	DESCRIPTION	DATE

PROJECT NUMBER 220120.00  
DATE OF ISSUE 06.28.21  
DRAWN BY AB/RJ  
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TYPICAL ROOF DETAILS  
- ALTERNATES #1 & #2

A-521A  
ISSUED FOR BIDDING





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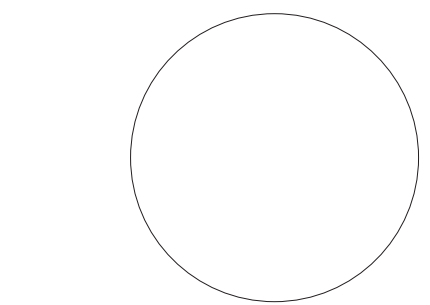
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DATE

REVISIONS		
NO.	DESCRIPTION	DATE

PROJECT NUMBER 220120.00  
DATE OF ISSUE 06.28.21  
DRAWN BY AB/RJ  
CHECKED BY JJ

TYPICAL ROOF DETAILS

A-522  
ISSUED FOR BIDDING



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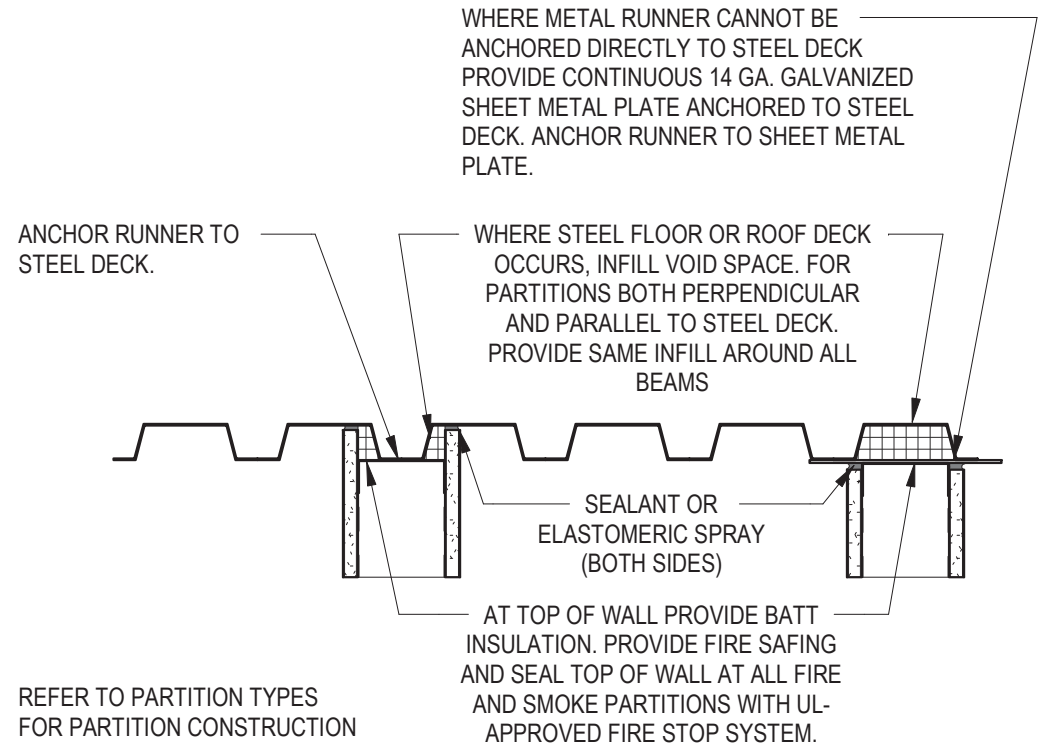
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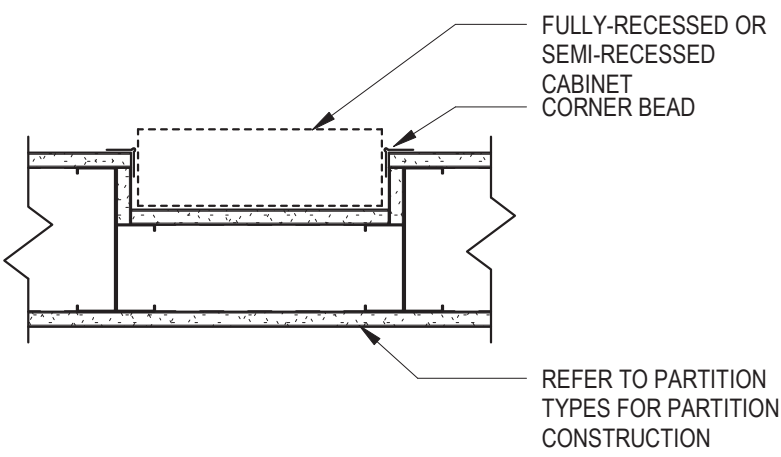
DOOR AND FRAME SCHEDULE																	
DOOR #	FROM ROOM	TO ROOM	DOOR					FRAME			FIRE RATING (MINS)	FRAME DETAILS				REFERENCED NOTES	
			TYPE	MATERIAL	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	DEPTH		HEAD	JAMB	JAMB	SILL		
1003A	FITNESS CENTER		F	WD	6'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	02		11A-601	11A-601	11A-601	-	
1003B	CORRIDOR	FITNESS CENTER	F	WD	6'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	02		11A-601	11A-601	11A-601	11A-601	
1005	CORRIDOR	CORRIDOR	F	WD	3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"	14	60	11A-601	11A-601	2A-601	-	CARD READER
1013	CORRIDOR	FACILITY OFFICE	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	09	20	11A-601	11A-601	11A-601	-	CARD READER
1014	CORRIDOR	UNISEX TOILET ROOM	F	WD	3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"	05	20	11A-601	11A-601	11A-601	-	
1015	CORRIDOR	I.D.F. / LEED / DR. CONTROL ROOM	F	WD	3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"			11A-601	11A-601	2A-601	-	CARD READER
1020	CORRIDOR	POWER TESTING OFFICE	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	09	20	11A-601	11A-601	11A-601	-	CARD READER
1021	POWER RECEPTION / PROCESSING	CORRIDOR	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	09	20	11A-601	11A-601	11A-601	-	CARD READER
1022	WHEEL CHAIR STORAGE	CORRIDOR	F	WD	6'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	13		11A-601	11A-601	11A-601	-	CARD READER
1024	SECURE ENTRY	CORRIDOR	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	14	20	11A-601	11A-601	11A-601	-	CARD READER
1025	SECURE ENTRY	SOFT INTERVIEW	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	09	20	11A-601	11A-601	11A-601	-	CARD READER
1026	SECURE ENTRY	SECURE ENTRY	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	14	20	11A-601	11A-601	11A-601	-	CARD READER
1027	RECORDS	CORRIDOR	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	09	20	11A-601	11A-601	11A-601	-	CARD READER
1028	DISPATCH	CORRIDOR	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	09	20	11A-601	2A-601	2A-601	-	CARD READER
1029	CORRIDOR	TOILET ROOM	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	04	20	11A-601	11A-601	2A-601	-	
1031	SERGEANT'S OFFICE	CORRIDOR	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	09	20	11A-601	11A-601	2A-601	-	CARD READER
1032	CORRIDOR	INVESTIGATOR'S OFFICE	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	09	20	11A-601	11A-601	2A-601	-	CARD READER
1033	CORRIDOR	ROLL CALL / CONF.	FG	AL	3'-0"	8'-4"	1 3/4"	-	-	-	09	-	-	-	-	-	CARD READER
1036	BREAK ROOM	CORRIDOR	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	09	20	11A-601	11A-601	2A-601	-	CARD READER
1037	CORRIDOR	SQUAD ROOM	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	09	20	11A-601	11A-601	2A-601	-	CARD READER
1038A	EXISTING MECH.	CORRIDOR	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	09	20	11A-601	11A-601	2A-601	-	
1039	ELEC.	CORRIDOR	F	WD	3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"	08	20	11A-601	11A-601	2A-601	-	CARD READER
1040	CORRIDOR	TECH. WORK ROOM	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	09	20	11A-601	11A-601	2A-601	-	CARD READER
1041	CORRIDOR	C.S.O. / STUDENT OFFICE	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	09	20	11A-601	11A-601	2A-601	-	CARD READER
1042A	TRAINING CLASSROOM	CORRIDOR	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	06	20	11A-601	2A-601	4A-601	-	
1042B	TRAINING CLASSROOM	CORRIDOR	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	06	20	11A-601	2A-601	4A-601	-	
1043	CORRIDOR	CHIEF'S OFFICE	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	09	20	11A-601	11A-601	2A-601	-	CARD READER
1044	COMMANDER'S OFFICE	CORRIDOR	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	09	20	11A-601	11A-601	2A-601	-	CARD READER
1045	GENERAL STORAGE	CORRIDOR	F	WD	3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"	09	20	11A-601	11A-601	2A-601	-	CARD READER
1046	CORRIDOR	GENERAL STORAGE	F	WD	3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"	09	20	1A-601	5A-601	4A-601	-	CARD READER
1047	EVIDENCE PROCESSING	CORRIDOR	F	HM	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	18	20	1A-601	5A-601	4A-601	-	CARD READER
1048	EVIDENCE ROOM	EVIDENCE PROCESSING	F	HM	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	18		11A-601	11A-601	11A-601	-	CARD READER
1049A	CORRIDOR	VESTIBULE	N-R	HM	3'-0"	7'-0"	1 3/4"	DF	HM	8 5/8"	20	90	11A-601	11A-601	2A-601	-	
1049B	CORRIDOR	CORRIDOR	N	HM	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	14		1A-601	5A-601	4A-601	-	CARD READER
1050	CORRIDOR	PRISONER PROCESSING	F	HM	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	10	120	1A-601	5A-601	4A-601	-	CARD READER
1051	PRISONER PROCESSING	DETENTION TOILET	F	HM	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	03		1A-601	5A-601	4A-601	-	
1052	PRISONER PROCESSING	HOLDING CELL	F	WD	3'-0"	7'-2"	1 3/4"	B	HM	2 1/4"	16		-	-	-	-	
1053	LINEUP INTERVIEW	CORRIDOR	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	10	45	1A-601	5A-601	4A-601	-	CARD READER
1054	SECURE INTERVIEW	CORRIDOR	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	10	45	1A-601	5A-601	4A-601	-	CARD READER
1055	JUVENILE INTERVIEW	CORRIDOR	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	10	45	1A-601	5A-601	4A-601	-	CARD READER
1056	CORRIDOR	ARMORY	F	HM	3'-0"	7'-2"	1 3/4"	DF	HM	8 5/8"	11	20	1A-601	5A-601	4A-601	-	CARD READER, HAND SCANNER
1059A	VEST	CORRIDOR	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	07	20	11A-601	5A-601	4A-601	-	
1059B	WOMEN'S LOCKER ROOM	VEST.	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	01		11A-601	11A-601	2A-601	-	
1060A	CORRIDOR	VEST.	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	07	20	11A-601	11A-601	2A-601	-	
1060B	MEN'S LOCKER ROOM	VEST.	F	WD	3'-0"	7'-2"	1 3/4"	DF	HM	5 3/4"	01		11A-601	11A-601	2A-601	-	
1066A	FLEET STORAGE ADDITION	FLEET STORAGE ADDITION	N	HM	3'-0"	7'-0"	1 3/4"	DF	HM	8 5/8"	12		1A-601	5A-601	4A-601	-	CARD READER
1066B	FLEET STORAGE ADDITION	VESTIBULE	N	HM	3'-0"	7'-0"	1 3/4"	DF	HM	1'-0 5/8"	12		1A-601	5A-601	4A-601	-	
1066C	FLEET STORAGE ADDITION	VESTIBULE	N	HM	3'-0"	7'-0"	1 3/4"	DF	HM	8 5/8"	12		1A-601	5A-601	4A-601	-	
1067A	VESTIBULE	MAN LOCK	N	HM	3'-0"	7'-0"	1 3/4"	DF	HM	8 5/8"	19		1A-601	5A-601	4A-601	-	
1067B	SALLY PORT ADDITION	MAN LOCK	N	HM	3'-0"	7'-0"	1 3/4"	DF	HM	8 5/8"	20		1A-601	5A-601	4A-601	-	CARD READER
1068A	SALLY PORT ADDITION	SALLY PORT ADDITION	OH		18'-0"	10'-0"	1 1/2"				17		2A-503	1A-503	1A-503	2A-503	PROX. CARD READER PEDESTAL
1068B	FLEET STORAGE ADDITION	SALLY PORT ADDITION	OH		18'-0"	10'-0"	1 1/2"				17		2, 3A-503	1A-503	1A-503	2, 3A-503	PROX. CARD READER PEDESTAL
1068C	SALLY PORT ADDITION	SALLY PORT ADDITION	N	HM	3'-0"	7'-0"	1 3/4"	DF	HM	1'-0 5/8"	12		1A-601	4A-601	4A-601	-	CARD READER
1070	FLEET STORAGE ADDITION	FLEET STORAGE ADDITION	N	HM	3'-0"	7'-0"	1 3/4"	DF	HM	1'-0 5/8"	12		1A-601	4A-601	4A-601	-	CARD READER
1071	FLEET STORAGE ADDITION	STORAGE	F	WD	3'-0"	7'-2"	1 3/4"	B	HM	2 1/4"	16		-	-	-	-	
1072	WATER SERVICE	FLEET STORAGE ADDITION	F	HM	3'-0"	7'-2"	1 3/4"	DF	HM	6 5/8"	08		1A-601	5A-601	4A-601	-	
1073	MEN'S LOCKER ROOM	CORRIDOR	F	WD	3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"	07	20	11A-601	11A-601	2A-601	-	
1074	MEN'S LOCKER ROOM	WRESTLING LOCKERS	F	WD	3'-0"	7'-2"	1 3/4"	B	HM	2 1/4"	16		-	-	-	-	
1075	LAUNDRY	CORRIDOR	F	WD	3'-0"	7'-0"	1 3/4"	DF	HM	8 5/8"	09	20	11A-601	11A-601	2A-601	-	CARD READER
1076	WOMEN'S LOCKER ROOM	CORRIDOR	F	WD	3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"	07	20	11A-601	11A-601	2A-601	-	
1077	FLEET STORAGE ADDITION		OH		18'-0"	10'-0"	1 1/2"				17		2A-503	1A-503	1A-503	2A-503	PROX. CARD READER PEDESTAL
1078	VESTIBULE	CORRIDOR	N	HM	3'-0"	7'-0"	1 3/4"	DF	HM	9 1/8"	17		11A-601	11A-601	2A-601	-	

GENERAL NOTES	
<b>GENERAL:</b>	
1. DOOR AND FRAME TYPES ARE SHOWN AS EXTERIOR VIEW.	
2. FRAME WIDTHS ARE INDICATED ON THE FLOOR PLANS. FRAME HEIGHTS ARE INDICATED ON THE FRAME TYPES. DOOR DIMENSIONS ARE INDICATED ON THE DOOR AND FRAME SCHEDULE.	
3. DIMENSIONS ARE INDICATED FOR BIDDING PURPOSES ONLY AND SHALL BE FIELD VERIFIED PRIOR TO PREPARATION OF SHOP DRAWINGS AND FABRICATION.	
4. THE MANUFACTURER(S) SHALL BE RESPONSIBLE FOR THE ENGINEERING AND STRUCTURAL INTEGRITY OF THEIR FRAME SYSTEMS.	
5. ALL FRAMES IN MASONRY OPENINGS REQUIRE A UNTELF. REFER TO DOOR AND FRAME SCHEDULE AND/OR STRUCTURAL DRAWINGS.	
6. ALL OPENINGS IN FRAMES REQUIRE GLAZING PANELS OR INFILL PANELS EXCEPT FOR DOOR OPENINGS. GLAZING TYPES FOR EXTERIOR FRAMES ARE INDICATED ON THE FRAME TYPES. GLAZING TYPES FOR INTERIOR FRAMES ARE INDICATED ON THE DOOR AND FRAME SCHEDULE OR HEREIN.	
7. ALL OPENINGS IN DOORS REQUIRE GLAZING PANELS UNLESS NOTED OTHERWISE. GLAZING TYPES FOR DOORS ARE INDICATED ON THE DOOR AND FRAME SCHEDULE OR HEREIN.	
8. HARDWARE SETS AND GLAZING TYPES ARE SPECIFIED IN THE PROJECT MANUAL. FRAMES SHALL BE DESIGNED, CUT, AND FABRICATED TO MINIMIZE JOINTS.	
9. JOINTS IN HOLLOW METAL FRAMES SHALL RECEIVE METAL FILLER, BE GROUND SMOOTH AND SHORFIELD PRIMED PRIOR TO FINISH PAINT.	
10. JOINTS IN EXTERIOR ALUMINUM FRAMES SHALL BE AIR AND WATER TIGHT IN ACCORDANCE WITH THE REQUIREMENTS IDENTIFIED IN THE PROJECT MANUAL, LAP AND SEAL ALL JOINTS. ALLOW FOR EXPANSION IN THE TRIM AND AT JOINTS AND INTERSECTIONS OF ADJACENT FRAMES.	
<b>ALUMINUM FRAMING SYSTEMS:</b>	
11. ALUMINUM STOREFRONT AND INTERIOR ALUMINUM FRAMES SHALL HAVE THE FOLLOWING CHARACTERISTICS UNLESS NOTED OTHERWISE:	
A. FACE WIDTH "2"	
B. FRAME DEPTH 4'-1 1/4"	
12. ALUMINUM CURTAIN WALL FRAMES SHALL HAVE THE FOLLOWING CHARACTERISTICS (UNO.):	
A. FACE WIDTH 2'-2 1/2"	
B. FRAME DEPTH 5'-10 1/2", 7'-1 1/2", 5'-10 1/2"	
13. ANCHORAGE AT ALUMINUM STOREFRONT AND WINDOW SYSTEMS:	
A. PROVIDE ANCHORS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS TO MEET THE REQUIRED DESIGN LOADS BUT NOT LESS THAN THREE (3) ANCHORS PER JAMB LOCATION.	
B. FRAMES SHALL BE FASTENED TO CONCRETE WITH ANCHORLESS STAINLESS STEEL FASTENERS OR OTHER FASTENER TYPES WARRANTED BY THE SYSTEM MANUFACTURER TO BE NON-CORROSIVE, NON-CORRODIBLE, AND COMPATIBLE WITH OTHER BUILDING COMPONENTS.	
C. PROVIDE REINFORCEMENT WHERE FASTENERS ARE SCREWED INTO ALUMINUM COMPONENTS LESS THAN 1/8" THICK.	
D. DO NOT USE EXPOSED FASTENERS AT BUILDING EXTERIOR. AT BUILDING INTERIOR FASTENERS ARE TO MATCH THE FINISH OF THE FRAME.	
E. UNFINISHED REINFORCE CROWD MILLIONS AS REQUIRED TO MEET SPANS AS INDICATED IN THE DRAWINGS AND PROJECT MANUAL.	
F. NO EXPOSED FASTENERS.	
<b>HOLLOW METAL DOORS AND FRAMES:</b>	
13. ALL HOLLOW METAL FRAMES SHALL HAVE THE FOLLOWING CHARACTERISTICS UNO:	
A. FACE WIDTH "2"	
B. FRAME DEPTH 5'-3 1/4" UNO	
C. THROAT: 4'-7 1/8"	
D. RETURN: 7'-10"	
14. ANCHORAGE AT HOLLOW METAL FRAMES:	
A. PROVIDE FASTENERS AT 16" ON CENTER AND MINIMALLY THREE (3) ANCHORS PER JAMB.	
B. IF FRAMES INSTALLED PRIOR TO MASONRY INSTALLATION PROVIDE GALVANIZED STEEL "T" ANCHORS.	
C. AT FRAMES INSTALLED AFTER MASONRY INSTALLATION OR AT EXISTING ANCHOR OPENINGS PROVIDE GALVANIZED STEEL SPACER BRACKETS. ANCHOR SLAVES WELDED TO THE INTERIOR OF THE FRAME, AND COUNTERSUNK 3/8" FLATHEAD EXPANSION ANCHORS COVER HEAD OF FASTENERS WITH METAL PLATE ENDING OUTSIDE OF THE FRAME.	
D. AT FRAMES INSTALLED IN STUD PARTITIONS PROVIDE GALVANIZED STEEL Z-TYPE SPACER BRACKETS.	
15. JAMBS IF FRAMES INSTALLED IN EXTERIOR WALLS AND WHERE INDICATED SHALL BE GROUDED SLOOT AND GROUP OVER HOLES WITH METAL FILLER, GROUND SMOOTH, PRIME AND FINISH PAINT.	
<b>GLAZING:</b>	
16. GLAZING AT INTERIOR DOORS AND FRAMES SHALL BE TYPE I-1 UNO.	
17. GLAZING AT FIRE RATED INTERIOR DOORS AND FRAMES SHALL BE TYPE II-2 UNO.	
<b>GLAZING TYPES</b>	
<b>EXTERIOR:</b>	
E-1 "1" INSTALLED CLEAR GLAZING UNO.	
<b>INTERIOR:</b>	
I-1	TEMPERED GLAZING UNIT
I-2A	FIRE RATED GLASS - 45 MINUTES
I-2B	FIRE RATED GLASS - 90 MINUTES
<b>GENERAL NOTES</b>	
1. REFER TO ALUMINUM FRAME TYPES FOR ADDITIONAL INFORMATION. ALUMINUM STOREFRONT AND CURTAIN WALL ELEVATION TAGS ARE SHOWN ON FLOOR PLANS.	
2. DOOR ASSEMBLY TO MEET FULL RATING.	

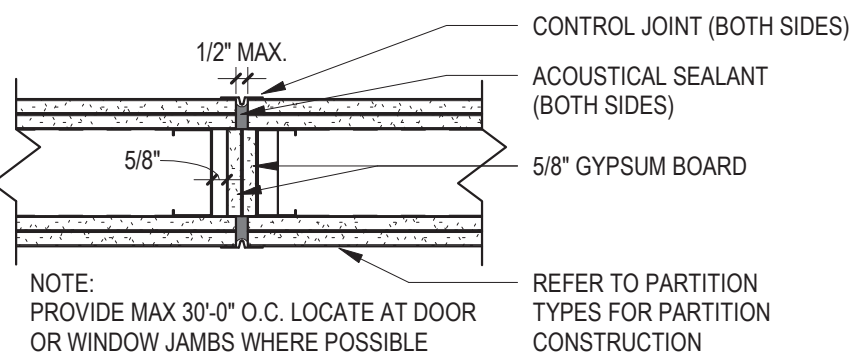




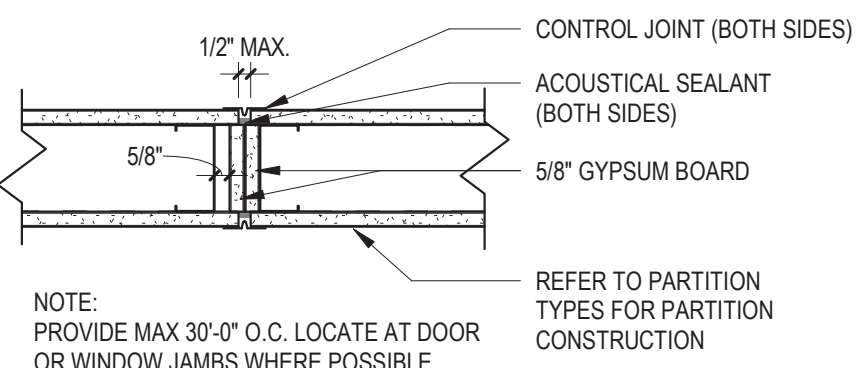
11 STUD TO STEEL DETAIL  
1 1/2" = 1'-0"



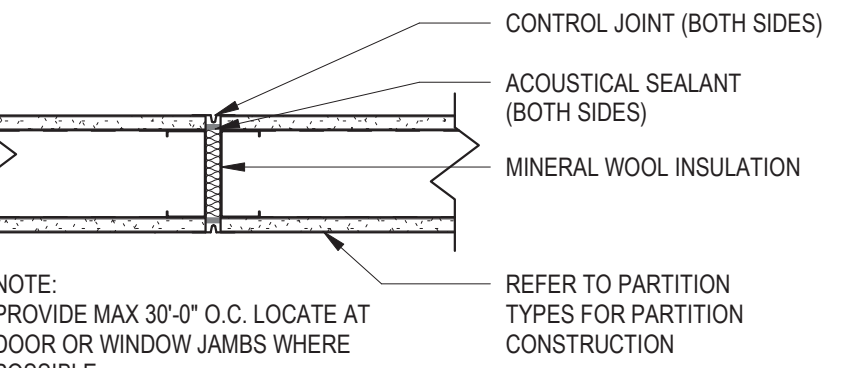
10 RECESSED POCKET  
1 1/2" = 1'-0"



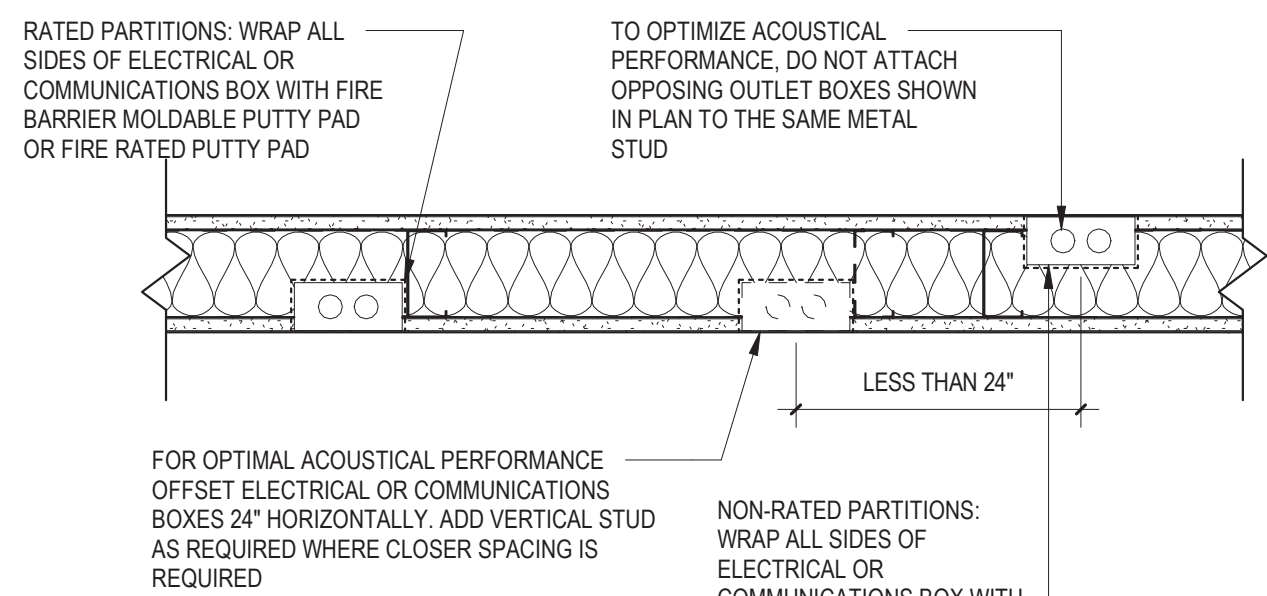
9 WALL CONTROL JOINT (2 HR RATING)  
1 1/2" = 1'-0"



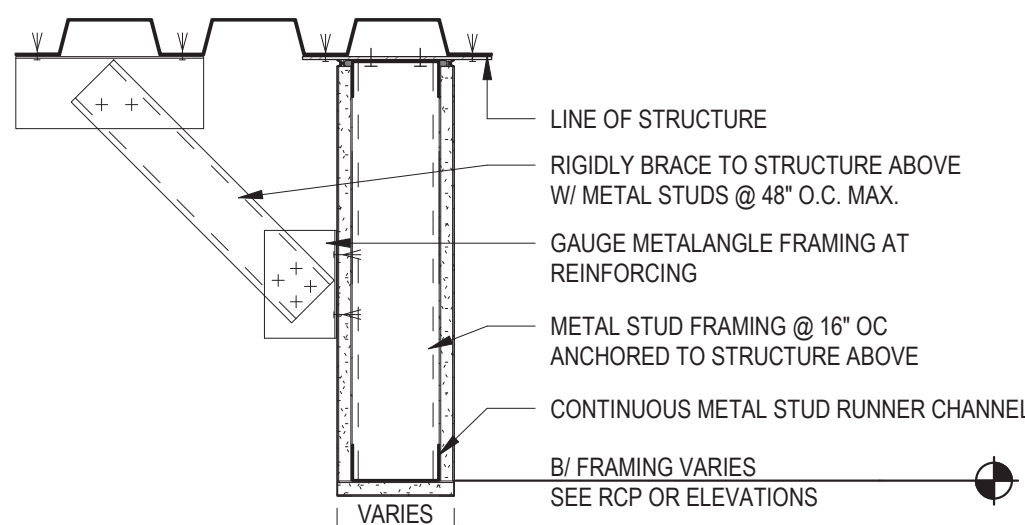
8 WALL CONTROL JOINT (1 HR RATING)  
1 1/2" = 1'-0"



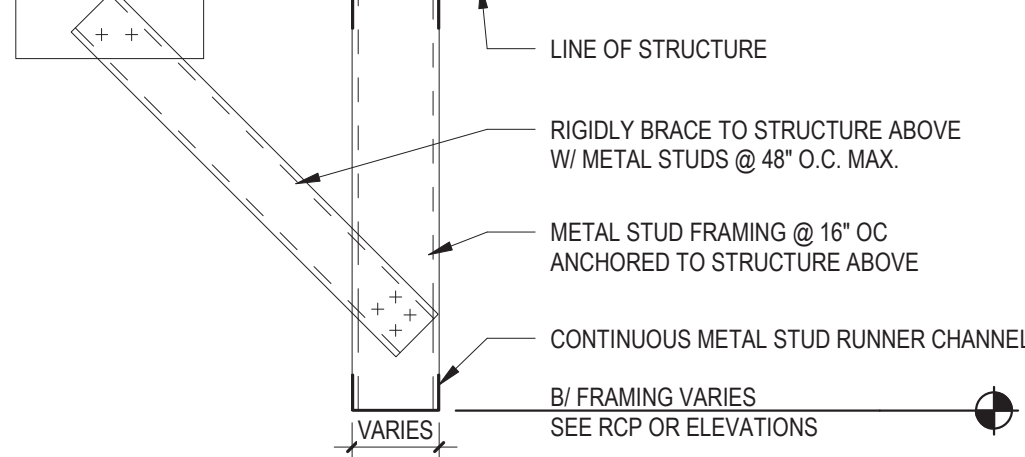
7 WALL CONTROL JOINT (1 HR) - INSULATION  
1 1/2" = 1'-0"



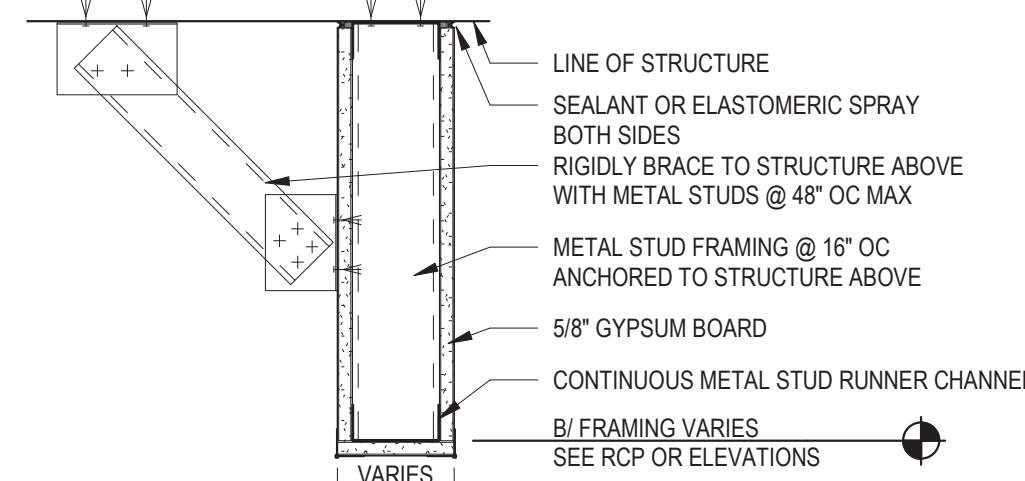
5 PLAN AT ALL ELECTRICAL OR COMMUNICATIONS BOXES  
1 1/2" = 1'-0"



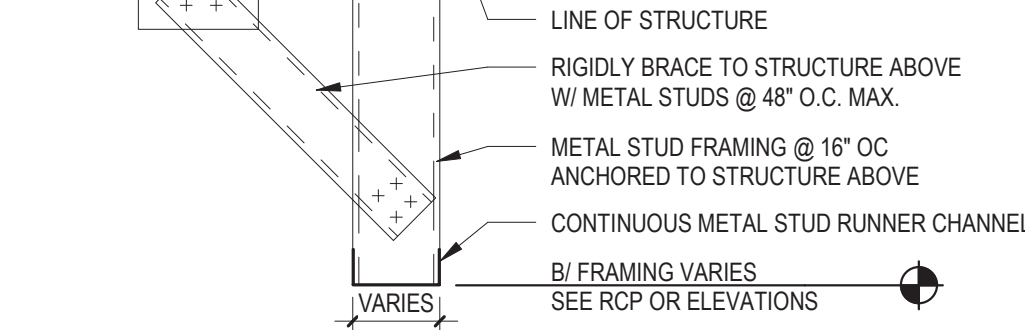
4 KICKER TO METAL DECK W/ GYP BD  
1 1/2" = 1'-0"



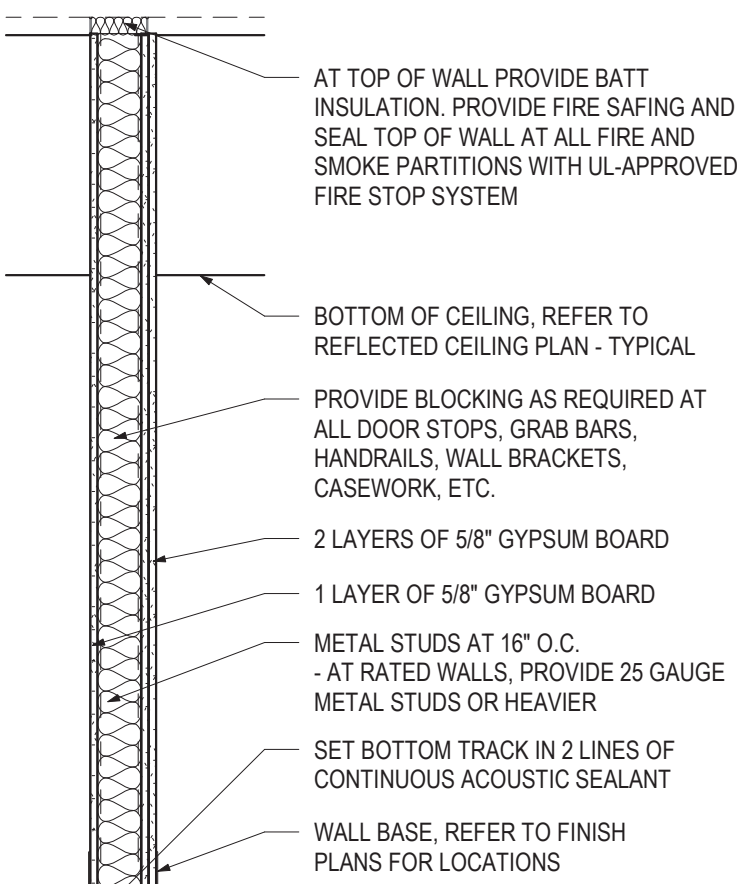
3 KICKER TO METAL DECK  
1 1/2" = 1'-0"



2 KICKER TO FLAT STRUCTURE W/ GYP BD  
1 1/2" = 1'-0"



1 KICKER TO FLAT STRUCTURE  
1 1/2" = 1'-0"



UL: U419 (1HR) OR ARCHITECT APPROVED EQUAL. REFER TO SAFETY REFERENCE PLANS FOR LOCATIONS OF RATED PARTITIONS  
STC: 44 BASED ON 3-5/8" STUD

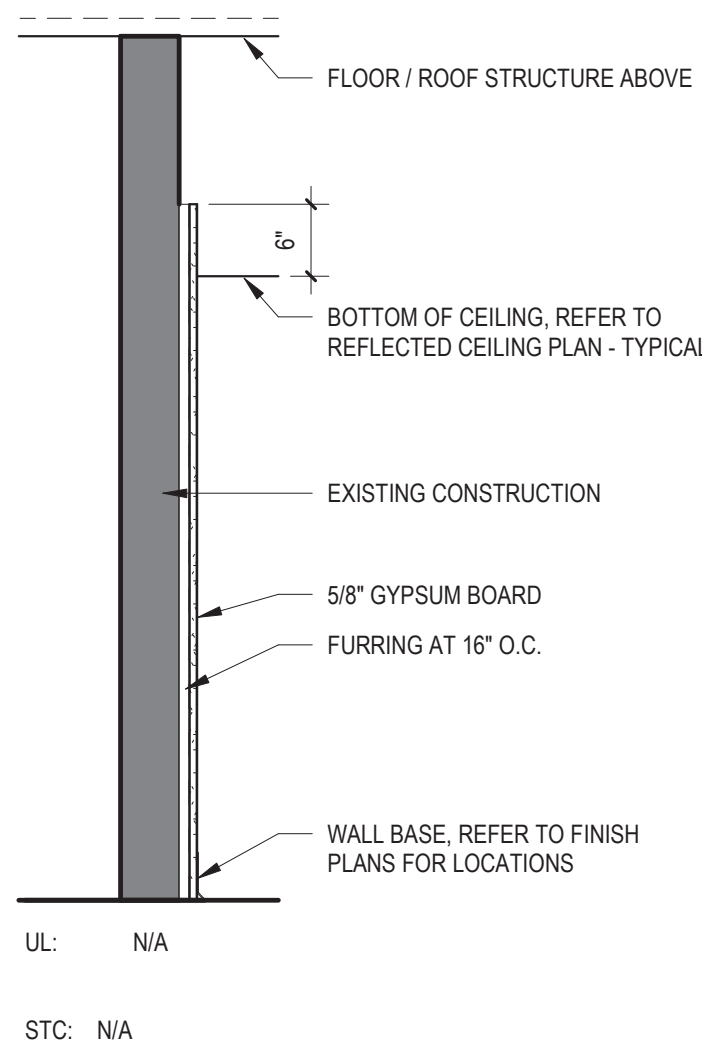
**STUD PARTITION**  
DENOTES FRAMING DEPTH  
LETTER MODIFIER(S) (REFER TO BELOW)  
LAYER MODIFIER(S)  
INDICATES LAYERS OF GYPSUM BOARD  
**SC # X (#)**

FRAMING DEPTH "F"  
SC 3 3 5/8" STUD DEPTH  
SC 6 6" STUD DEPTH

LETTER MODIFIERS "X"  
SC # F FRAMING AND GYPSUM BOARD FULL HEIGHT TO STRUCTURE ABOVE  
SC # A MINERAL FIBER SOUND ATTENUATION BLANKETS FULL DEPTH OF STUD  
SC # R RATED PARTITION

LAYER MODIFIERS "M"  
SC # X TWO (2) LAYERS OF GYPSUM BOARD ONE (1) ON EACH SIDE  
SC # X (3) THREE (3) LAYERS OF GYPSUM BOARD ONE (1) ON ONE SIDE, TWO (2) ON THE OTHER SIDE - REFER TO DRAWINGS

NOTES  
1. IMPACT-RESISTANT / ABUSE-RESISTANT GYPSUM BOARD REQUIRES 20 GA MINIMUM STUDS.



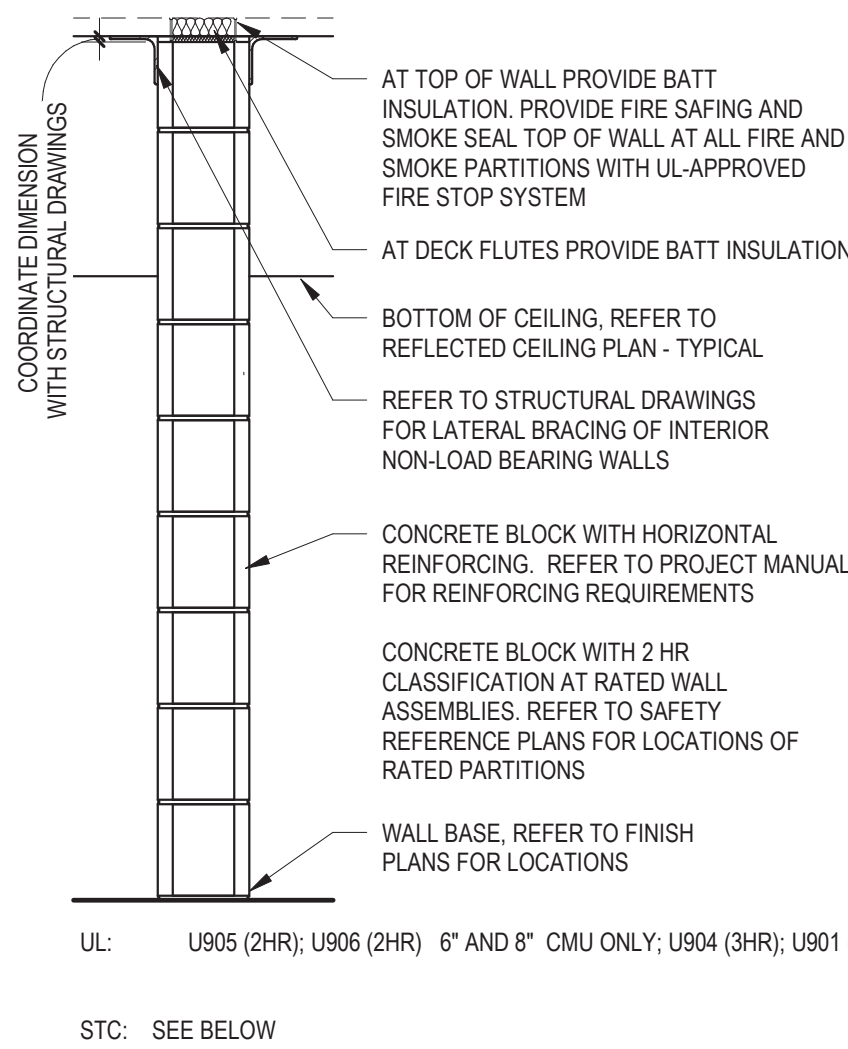
**FURRING PARTITION**  
DENOTES FRAMING DEPTH  
LETTER MODIFIER(S) (REFER TO BELOW)  
**F # X**

FRAMING DEPTH "F"  
F 5 1/2" FURRING DEPTH  
F 9 7/8" FURRING DEPTH  
F 1 1" FURRING DEPTH  
F 1.5 1 1/2" FURRING DEPTH  
F 2 2" FURRING DEPTH

LETTER MODIFIERS "X"  
F # Z Z-FURRING CHANNEL  
F # H HAT FURRING CHANNEL  
F # R RESILIENT CHANNEL

LAYER MODIFIERS "M"  
N/A

NOTES  
1. REFER TO FLOOR PLANS FOR BASE PARTITION ASSEMBLY.  
2. IMPACT-RESISTANT / ABUSE-RESISTANT GYPSUM BOARD REQUIRES 20 GA MINIMUM STUDS.



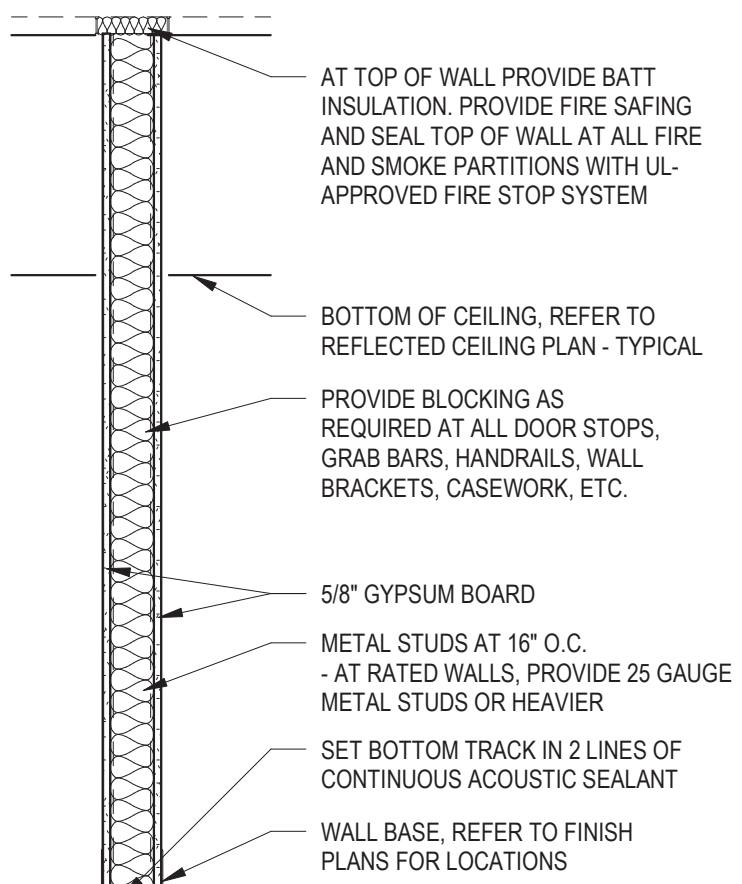
**CMU PARTITION**  
DENOTES CMU DEPTH  
LETTER MODIFIER(S) (REFER TO BELOW)  
LAYER MODIFIER(S)  
FURRING OR VENEER APPLICATION  
**M # X (#)**

CMU DEPTH "M"  
M 4 4" CMU (STC: 40)  
M 6 6" CMU (STC: 42)  
M 8 8" CMU (STC: 44)  
M 10 10" CMU (STC: 46)  
M 12 12" CMU (STC: 48)

LETTER MODIFIERS "X"  
M # STANDARD CMU  
M # G GROUND FACE  
M # L SPLIT FACE  
M # C FLUTED ACOUSTIC  
M # F FLUTED  
M # T GLAZED  
M # S SMOKE RATED

LAYER MODIFIERS "M"  
REFER TO FURRING PARTITION  
M # X (1) FURRING OR VENEER ON ONE (1) SIDE - REFER TO DRAWINGS  
M # X (2) FURRING OR VENEER ON BOTH SIDES

NOTES  
1. STC VARIES BASED ON DENSITY AND TYPE OF CMU, AND TYPE OF FILL WHERE REQUIRED.  
2. REFER TO STRUCTURAL DRAWINGS FOR TOP OF WALL CONDITION AT LOAD BEARING CMU PARTITIONS.



**STUD PARTITION**  
DENOTES FRAMING DEPTH  
LETTER MODIFIER(S) (REFER TO BELOW)  
LAYER MODIFIER(S)  
INDICATES LAYERS OF GYPSUM BOARD  
**S # X (#)**

FRAMING DEPTH "F"  
S 1 1 5/8" STUD DEPTH  
S 2 2 1/2" STUD DEPTH  
S 3 3 5/8" STUD DEPTH  
S 6 6" STUD DEPTH

LETTER MODIFIERS "X"  
S # FRAMING FULL HEIGHT TO STRUCTURE ABOVE AND GYPSUM BOARD TO 6" ABOVE CEILING  
S # F FRAMING AND GYPSUM BOARD FULL HEIGHT TO STRUCTURE ABOVE (STC: 40-48)  
S # A MINERAL FIBER SOUND ATTENUATION BLANKETS FULL DEPTH OF STUD (STC: 49-56)  
S # R RATED PARTITION

LAYER MODIFIERS "M"  
S # X TWO (2) LAYERS OF GYPSUM BOARD, ONE (1) ON EACH SIDE (1HR)  
S # X (1) ONE (1) LAYER OF GYPSUM BOARD, REFER TO DRAWINGS  
S # X (3) THREE (3) LAYERS OF GYPSUM BOARD, ONE (1) ON ONE SIDE, TWO (2) ON THE OTHER SIDE - REFER TO DRAWINGS (STC: 54)  
S # X (4) FOUR (4) LAYERS OF GYPSUM BOARD, TWO (2) ON EACH SIDE (2HR) (STC: 48, OR 56)

NOTES  
1. IMPACT-RESISTANT / ABUSE-RESISTANT GYPSUM BOARD REQUIRES 20 GA MINIMUM STUDS.

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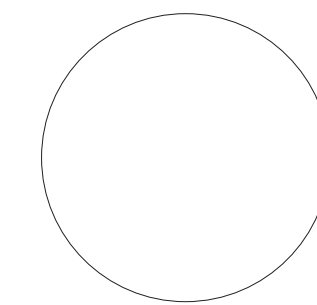
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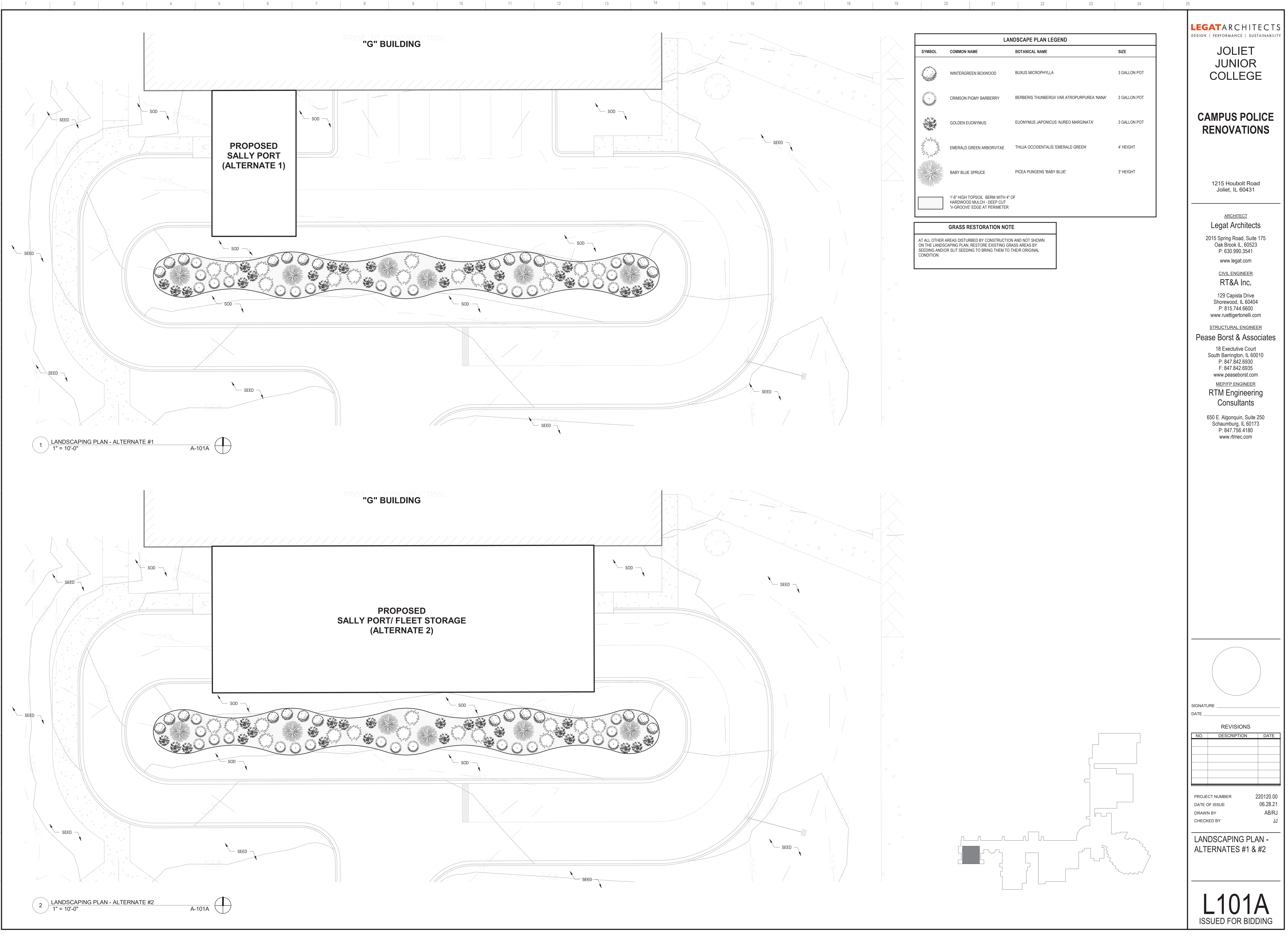
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PARTITION TYPES &  
DETAILS

A-611  
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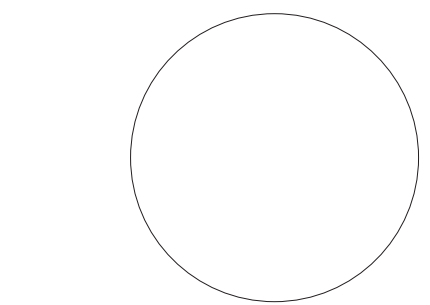
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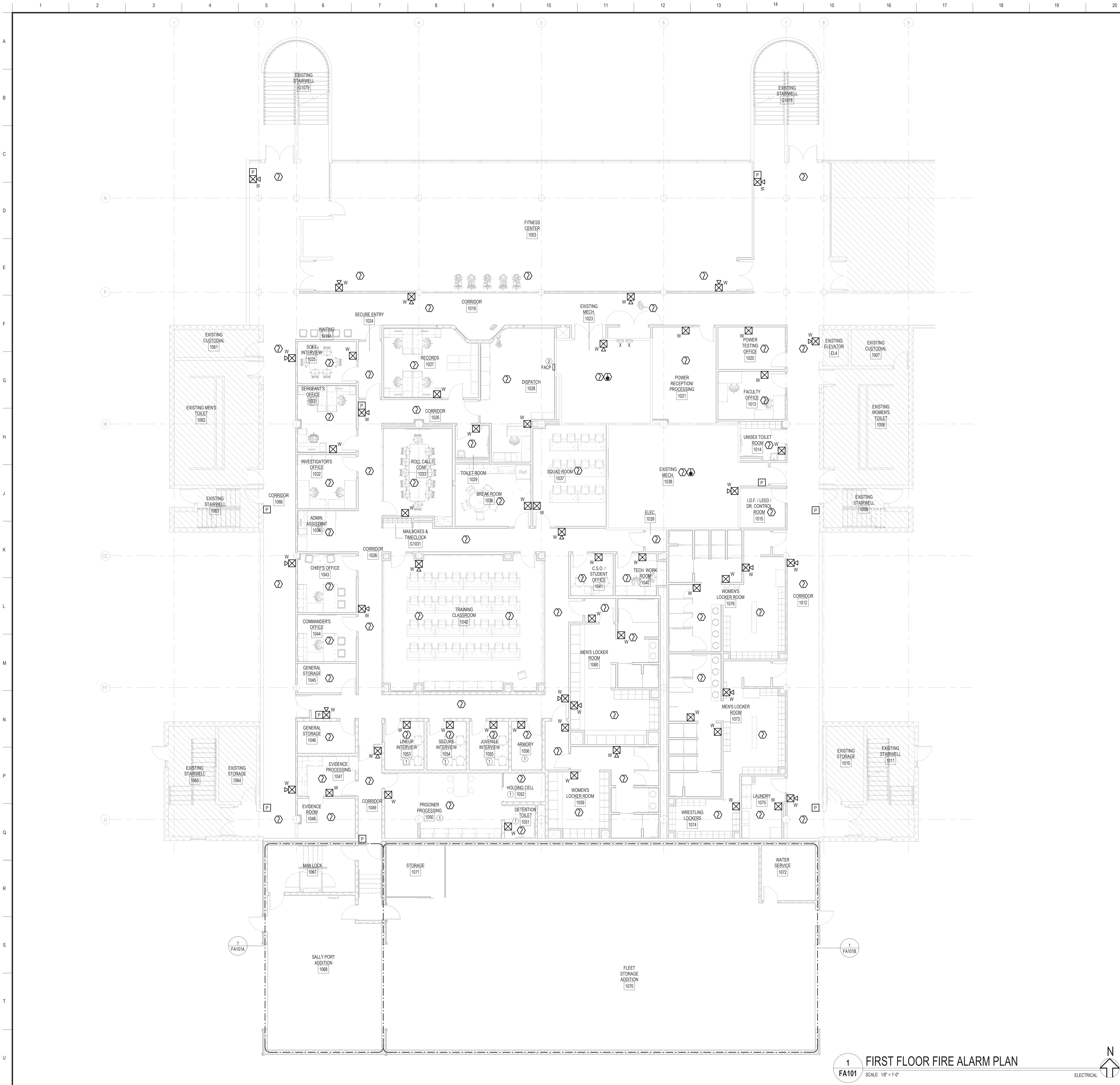
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LANDSCAPING PLAN -  
ALTERNATES #1 & #2

L101A  
ISSUED FOR BIDDING





**GENERAL NOTES:**

1. REFER TO ELECTRICAL LEGEND ON SHEET E-000 FOR DEVICE SYMBOLS AND ABBREVIATIONS.
2. REFER TO FIRE ALARM NOTES ON SHEETS E-000.
3. ALL CEILING MOUNTED DEVICES SHALL BE CENTERED AND BETWEEN ARCHITECTURAL ELEMENTS IN DRYWALL. SOFFITS/CEILING. ALL CEILING MOUNTED DEVICES SHALL BE INSTALLED AT MID OR QUARTER POINTS OF ACOUSTIC CEILING PANELS UNLESS NOTED OTHERWISE.

**KEYNOTES:**

- (1) ALL FIXTURES AND DEVICES IN THESE ROOMS SHALL BE TAMPER RESISTANT AND PRISON-GRADE.
- (2) EXISTING FACP SHALL BE RELOCATED TO NEW DISPATCH. FIRE ALARM CONTROL PANEL SERVES ENTIRE CAMPUS. COORDINATE WITH OWNER TO ELIMINATE DOWNTIME. EXTEND ALL CONDUIT AND WIRING AS NECESSARY TO NEW LOCATION.

CONSTRUCTION AND DEMOLITION TO BE DONE IN PHASES SO THAT EXISTING DISPATCH CENTER REMAINS OPERATIONAL UNTIL SWITCHOVER TO FULLY FUNCTIONAL NEW DISPATCH CENTER CAN BE COMPLETED. IF NECESSARY, PROVIDE TEMPORARY POWER TO EXISTING DISPATCH AREA TO ENSURE DISPATCH IS OPERATIONAL DURING ANY SHUTDOWNS. ALL SHUTDOWNS WILL NEED STRICT APPROVAL BY CAMPUS POLICE.

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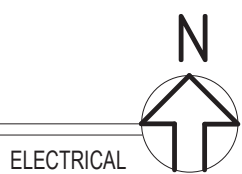
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**FIRST FLOOR FIRE ALARM PLAN**

**FA101**  
ISSUED FOR BID



ELECTRICAL



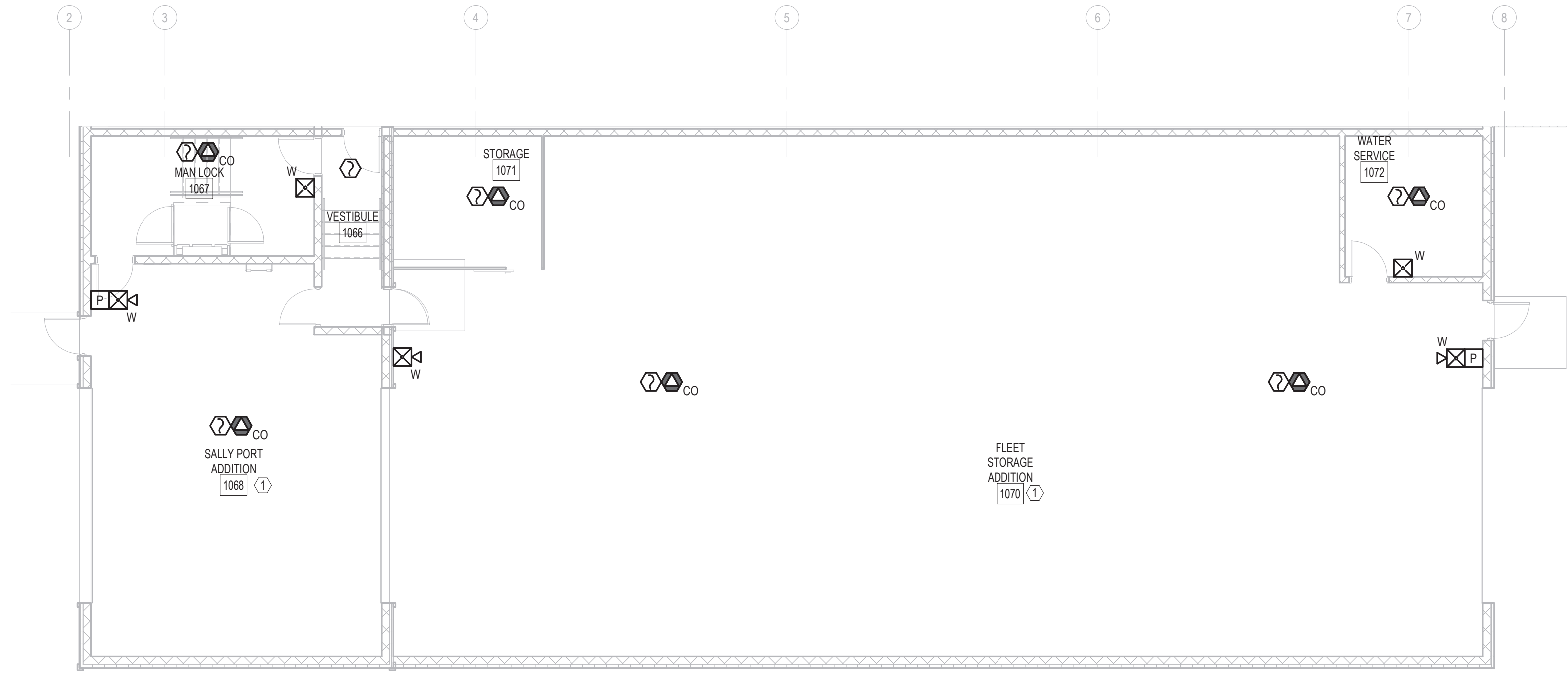


CONSTRUCTION AND DEMOLITION TO BE DONE IN PHASES SO THAT EXISTING DISPATCH CENTER REMAINS OPERATIONAL UNTIL SWITCHOVER TO FULLY FUNCTIONAL NEW DISPATCH CENTER CAN BE COMPLETED. IF NECESSARY, PROVIDE TEMPORARY POWER TO EXISTING DISPATCH AREA TO ENSURE DISPATCH IS OPERATIONAL DURING ANY SHUTDOWNS. ALL SHUTDOWNS WILL NEED STRICT APPROVAL BY CAMPUS POLICE.



**FA101A**  
ISSUED FOR BID





1  
FA101B  
SCALE: 1/8" = 1'-0"  
ELECTRICAL

**ELECTRICAL - ALTERNATE 2  
SALLY PORT & FLEET STORAGE - FIRE ALARM  
PLAN**

- GENERAL NOTES:**
1. REFER TO ELECTRICAL LEGEND ON SHEET E-000 FOR DEVICE SYMBOLS AND ABBREVIATIONS.
  2. REFER TO FIRE ALARM NOTES ON SHEETS E-000.
  3. ALL CEILING MOUNTED DEVICES SHALL BE CENTERED AND BETWEEN ARCHITECTURAL ELEMENTS IN DRYWALL SOFFITS/CEILING. ALL CEILING MOUNTED DEVICES SHALL BE INSTALLED AT MID OR QUARTER POINTS OF ACOUSTIC CEILING PANELS UNLESS NOTED OTHERWISE.
- KEYNOTES:**
- ① PROVIDE POWER AND ALL NECESSARY CONNECTIONS FOR VEHICLE EXHAUST AND TOXALERT SYSTEMS. REFER TO MECHANICAL PLANS FOR ADDITIONAL INFORMATION.

CONSTRUCTION AND DEMOLITION TO BE DONE IN PHASES SO THAT EXISTING DISPATCH CENTER REMAINS OPERATIONAL UNTIL SWITCHOVER TO FULLY FUNCTIONAL NEW DISPATCH CENTER CAN BE COMPLETED. IF NECESSARY, PROVIDE TEMPORARY POWER TO EXISTING DISPATCH AREA TO ENSURE DISPATCH IS OPERATIONAL DURING ANY SHUTDOWNS. ALL SHUTDOWNS WILL NEED STRICT APPROVAL BY CAMPUS POLICE.

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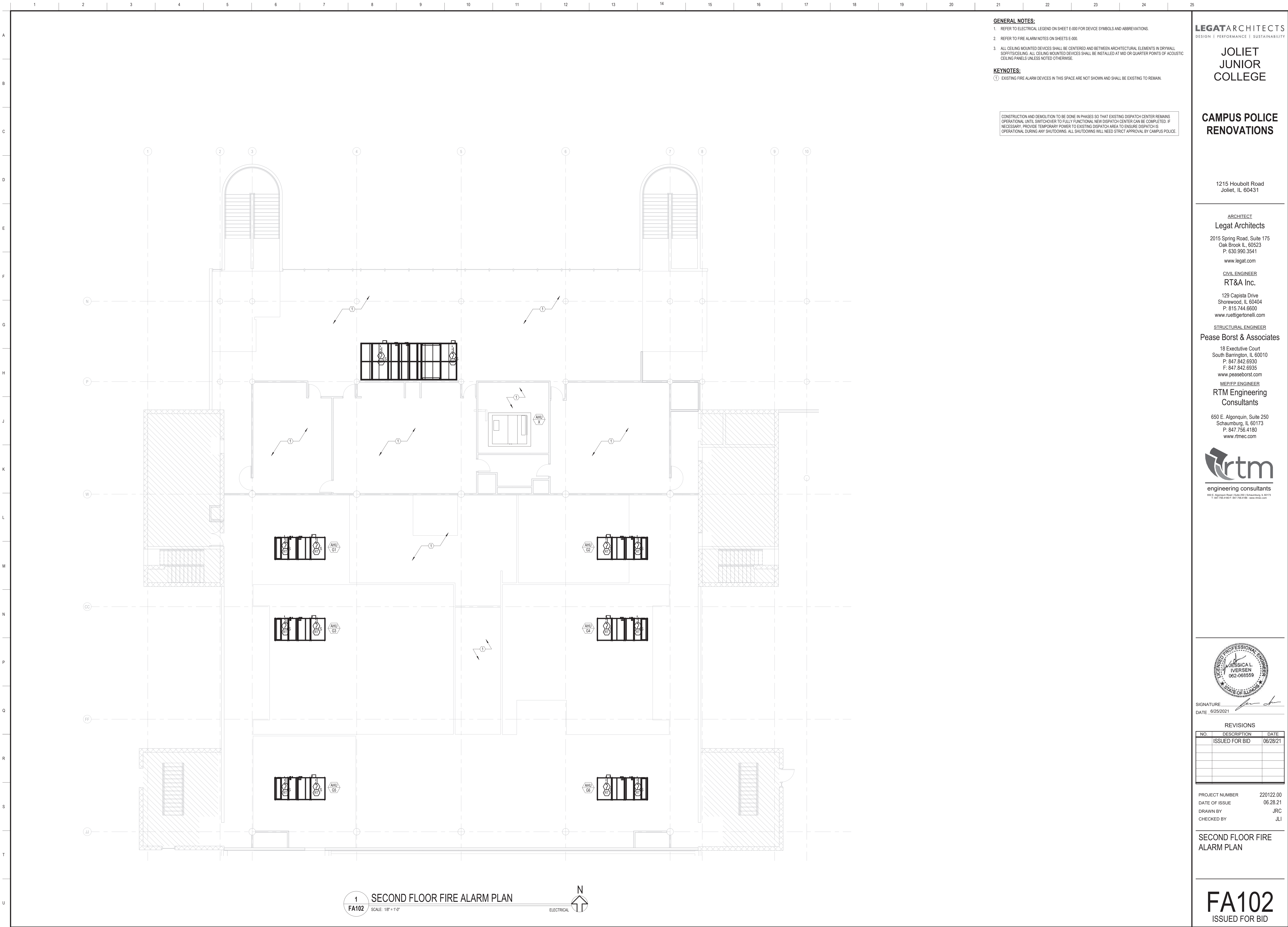
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**ALTERNATE #2 -  
ELECTRICAL FIRE  
ALARM PLAN**

**FA101B**  
ISSUED FOR BID





**GENERAL NOTES:**

1. REFER TO ELECTRICAL LEGEND ON SHEET E-000 FOR DEVICE SYMBOLS AND ABBREVIATIONS.
2. REFER TO FIRE ALARM NOTES ON SHEETS E-000.
3. ALL CEILING MOUNTED DEVICES SHALL BE CENTERED AND BETWEEN ARCHITECTURAL ELEMENTS IN DRYWALL, SOFFITS/CEILING. ALL CEILING MOUNTED DEVICES SHALL BE INSTALLED AT MID OR QUARTER POINTS OF ACOUSTIC CEILING PANELS UNLESS NOTED OTHERWISE.

**KEYNOTES:**

① EXISTING FIRE ALARM DEVICES IN THIS SPACE ARE NOT SHOWN AND SHALL BE EXISTING TO REMAIN.

CONSTRUCTION AND DEMOLITION TO BE DONE IN PHASES SO THAT EXISTING DISPATCH CENTER REMAINS OPERATIONAL UNTIL SWITCHOVER TO FULLY FUNCTIONAL NEW DISPATCH CENTER CAN BE COMPLETED. IF NECESSARY, PROVIDE TEMPORARY POWER TO EXISTING DISPATCH AREA TO ENSURE DISPATCH IS OPERATIONAL DURING ANY SHUTDOWNS. ALL SHUTDOWNS WILL NEED STRICT APPROVAL BY CAMPUS POLICE.

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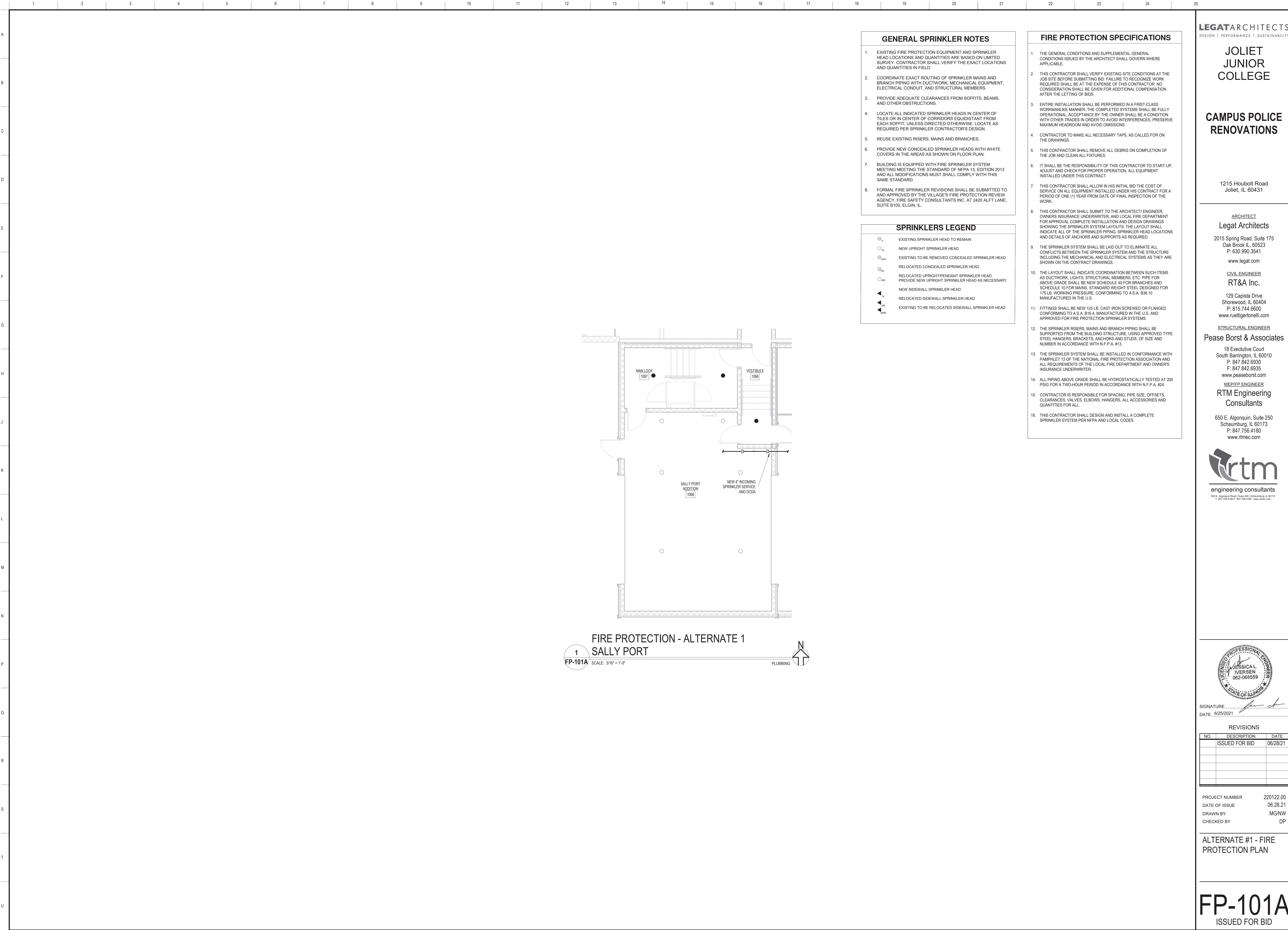
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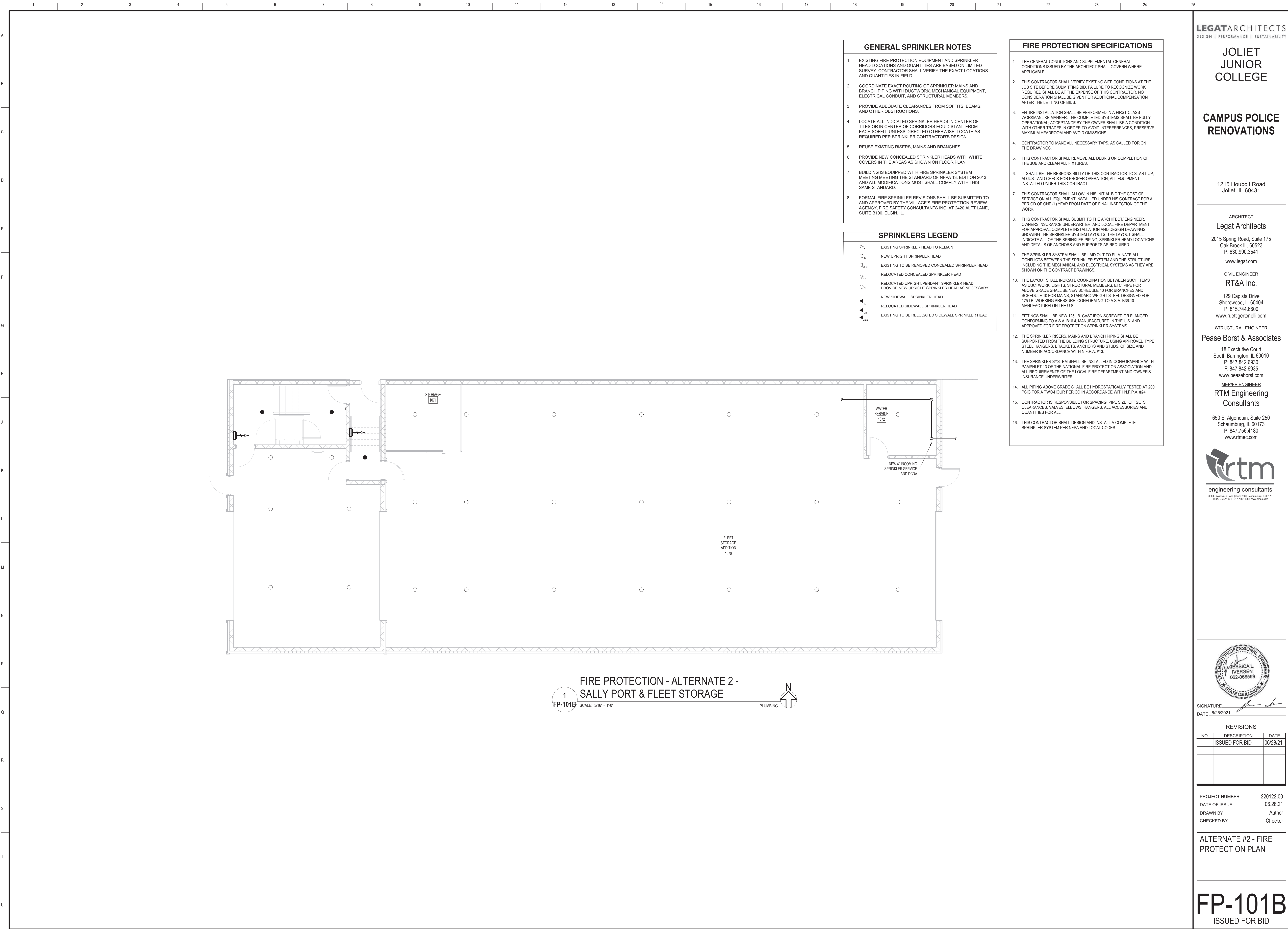
**SECOND FLOOR FIRE  
ALARM PLAN**

**FA102**  
ISSUED FOR BID









- GENERAL SPRINKLER NOTES**
- EXISTING FIRE PROTECTION EQUIPMENT AND SPRINKLER HEAD LOCATIONS AND QUANTITIES ARE BASED ON LIMITED SURVEY. CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS AND QUANTITIES IN FIELD.
  - COORDINATE EXACT ROUTING OF SPRINKLER MAINS AND BRANCH PIPING WITH DUCTWORK, MECHANICAL EQUIPMENT, ELECTRICAL CONDUIT, AND STRUCTURAL MEMBERS.
  - PROVIDE ADEQUATE CLEARANCES FROM SOFFITS, BEAMS, AND OTHER OBSTRUCTIONS.
  - LOCATE ALL INDICATED SPRINKLER HEADS IN CENTER OF TILES OR IN CENTER OF CORRIDORS EQUIDISTANT FROM EACH SOFFIT, UNLESS DIRECTED OTHERWISE. LOCATE AS REQUIRED PER SPRINKLER CONTRACTOR'S DESIGN.
  - REUSE EXISTING RISERS, MAINS AND BRANCHES.
  - PROVIDE NEW CONCEALED SPRINKLER HEADS WITH WHITE COVERS IN THE AREAS AS SHOWN ON FLOOR PLAN.
  - BUILDING IS EQUIPPED WITH FIRE SPRINKLER SYSTEM MEETING MEETING THE STANDARD OF NFPA 13, EDITION 2013 AND ALL MODIFICATIONS MUST SHALL COMPLY WITH THIS SAME STANDARD.
  - FORMAL FIRE SPRINKLER REVISIONS SHALL BE SUBMITTED TO AND APPROVED BY THE VILLAGE'S FIRE PROTECTION REVIEW AGENCY, FIRE SAFETY CONSULTANTS INC. AT 2420 ALFT LANE, SUITE B100, ELGIN, IL.

- SPRINKLERS LEGEND**
- ⊙<sub>x</sub> EXISTING SPRINKLER HEAD TO REMAIN
  - <sub>N</sub> NEW UPRIGHT SPRINKLER HEAD
  - ⊙<sub>rem</sub> EXISTING TO BE REMOVED CONCEALED SPRINKLER HEAD
  - ⊙<sub>sr</sub> RELOCATED CONCEALED SPRINKLER HEAD
  - <sub>sr</sub> RELOCATED UPRIGHT/PENDANT SPRINKLER HEAD, PROVIDE NEW UPRIGHT SPRINKLER HEAD AS NECESSARY.
  - ◀<sub>N</sub> NEW SIDEWALL SPRINKLER HEAD
  - ◀<sub>sr</sub> RELOCATED SIDEWALL SPRINKLER HEAD
  - ◀<sub>rem</sub> EXISTING TO BE RELOCATED SIDEWALL SPRINKLER HEAD

- FIRE PROTECTION SPECIFICATIONS**
- THE GENERAL CONDITIONS AND SUPPLEMENTAL GENERAL CONDITIONS ISSUED BY THE ARCHITECT SHALL GOVERN WHERE APPLICABLE.
  - THIS CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS AT THE JOB SITE BEFORE SUBMITTING BID. FAILURE TO RECOGNIZE WORK REQUIRED SHALL BE AT THE EXPENSE OF THIS CONTRACTOR. NO CONSIDERATION SHALL BE GIVEN FOR ADDITIONAL COMPENSATION AFTER THE LETTING OF BIDS.
  - ENTIRE INSTALLATION SHALL BE PERFORMED IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEMS SHALL BE FULLY OPERATIONAL; ACCEPTANCE BY THE OWNER SHALL BE A CONDITION WITH OTHER TRADES IN ORDER TO AVOID INTERFERENCES. PRESERVE MAXIMUM HEADROOM AND AVOID OMISSIONS.
  - CONTRACTOR TO MAKE ALL NECESSARY TAPS, AS CALLED FOR ON THE DRAWINGS.
  - THIS CONTRACTOR SHALL REMOVE ALL DEBRIS ON COMPLETION OF THE JOB AND CLEAN ALL FIXTURES.
  - IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO START-UP, ADJUST AND CHECK FOR PROPER OPERATION, ALL EQUIPMENT INSTALLED UNDER THIS CONTRACT.
  - THIS CONTRACTOR SHALL ALLOW IN HIS INITIAL BID THE COST OF SERVICE ON ALL EQUIPMENT INSTALLED UNDER HIS CONTRACT FOR A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL INSPECTION OF THE WORK.
  - THIS CONTRACTOR SHALL SUBMIT TO THE ARCHITECT/ ENGINEER, OWNERS INSURANCE UNDERWRITER, AND LOCAL FIRE DEPARTMENT FOR APPROVAL COMPLETE INSTALLATION AND DESIGN DRAWINGS SHOWING THE SPRINKLER SYSTEM LAYOUTS. THE LAYOUT SHALL INDICATE ALL OF THE SPRINKLER PIPING, SPRINKLER HEAD LOCATIONS AND DETAILS OF ANCHORS AND SUPPORTS AS REQUIRED.
  - THE SPRINKLER SYSTEM SHALL BE LAID OUT TO ELIMINATE ALL CONFLICTS BETWEEN THE SPRINKLER SYSTEM AND THE STRUCTURE INCLUDING THE MECHANICAL AND ELECTRICAL SYSTEMS AS THEY ARE SHOWN ON THE CONTRACT DRAWINGS.
  - THE LAYOUT SHALL INDICATE COORDINATION BETWEEN SUCH ITEMS AS DUCTWORK, LIGHTS, STRUCTURAL MEMBERS, ETC. PIPE FOR ABOVE GRADE SHALL BE NEW SCHEDULE 40 FOR BRANCHES AND SCHEDULE 10 FOR MAINS, STANDARD WEIGHT STEEL DESIGNED FOR 175 LB. WORKING PRESSURE, CONFORMING TO A.S.A. B36.10 MANUFACTURED IN THE U.S.
  - FITTINGS SHALL BE NEW 125 LB. CAST IRON SCREWED OR FLANGED CONFORMING TO A.S.A. B16.4, MANUFACTURED IN THE U.S. AND APPROVED FOR FIRE PROTECTION SPRINKLER SYSTEMS.
  - THE SPRINKLER RISERS, MAINS AND BRANCH PIPING SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE, USING APPROVED TYPE STEEL HANGERS, BRACKETS, ANCHORS AND STUDS, OF SIZE AND NUMBER IN ACCORDANCE WITH N.F.P.A. #13.
  - THE SPRINKLER SYSTEM SHALL BE INSTALLED IN CONFORMANCE WITH PAMPHLET 13 OF THE NATIONAL FIRE PROTECTION ASSOCIATION AND ALL REQUIREMENTS OF THE LOCAL FIRE DEPARTMENT AND OWNER'S INSURANCE UNDERWRITER.
  - ALL PIPING ABOVE GRADE SHALL BE HYDROSTATICALLY TESTED AT 200 PSIG FOR A TWO-HOUR PERIOD IN ACCORDANCE WITH N.F.P.A. #24.
  - CONTRACTOR IS RESPONSIBLE FOR SPACING, PIPE SIZE, OFFSETS, CLEARANCES, VALVES, ELBOWS, HANGERS, ALL ACCESSORIES AND QUANTITIES FOR ALL.
  - THIS CONTRACTOR SHALL DESIGN AND INSTALL A COMPLETE SPRINKLER SYSTEM PER NFPA AND LOCAL CODES

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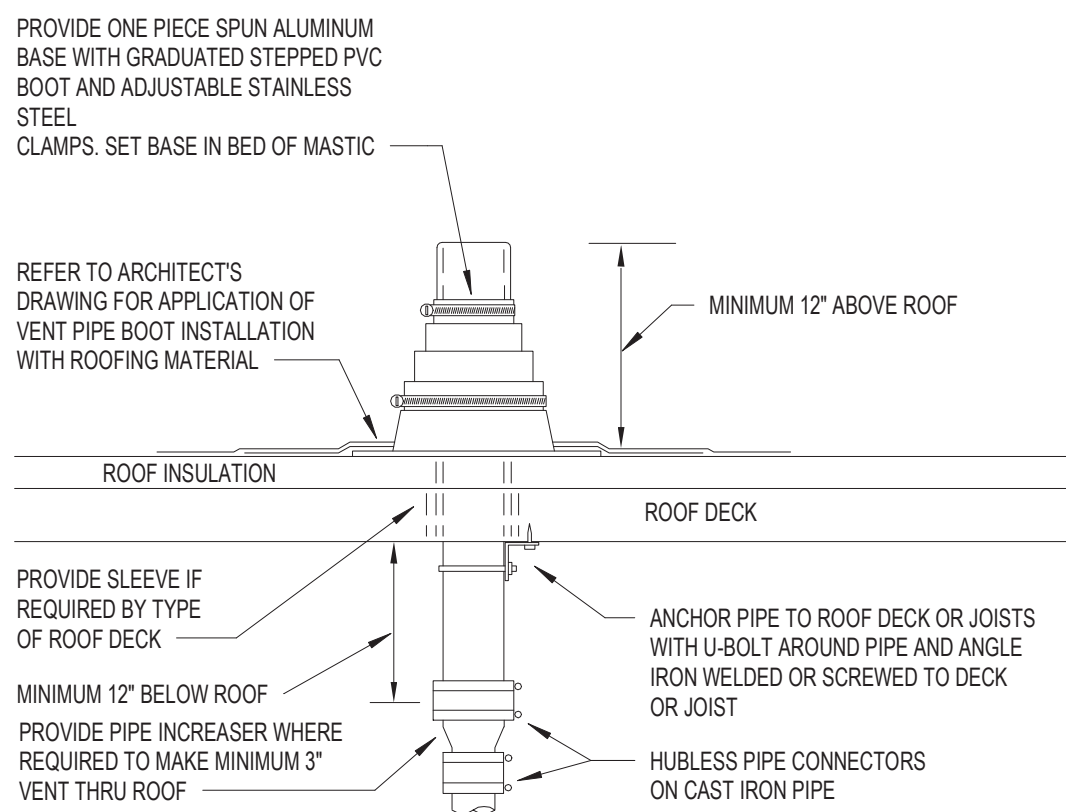
REVISIONS		
NO.	DESCRIPTION	DATE
	ISSUED FOR BID	06/28/21

PROJECT NUMBER 220122.00  
DATE OF ISSUE 06.28.21  
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**ALTERNATE #2 - FIRE  
PROTECTION PLAN**

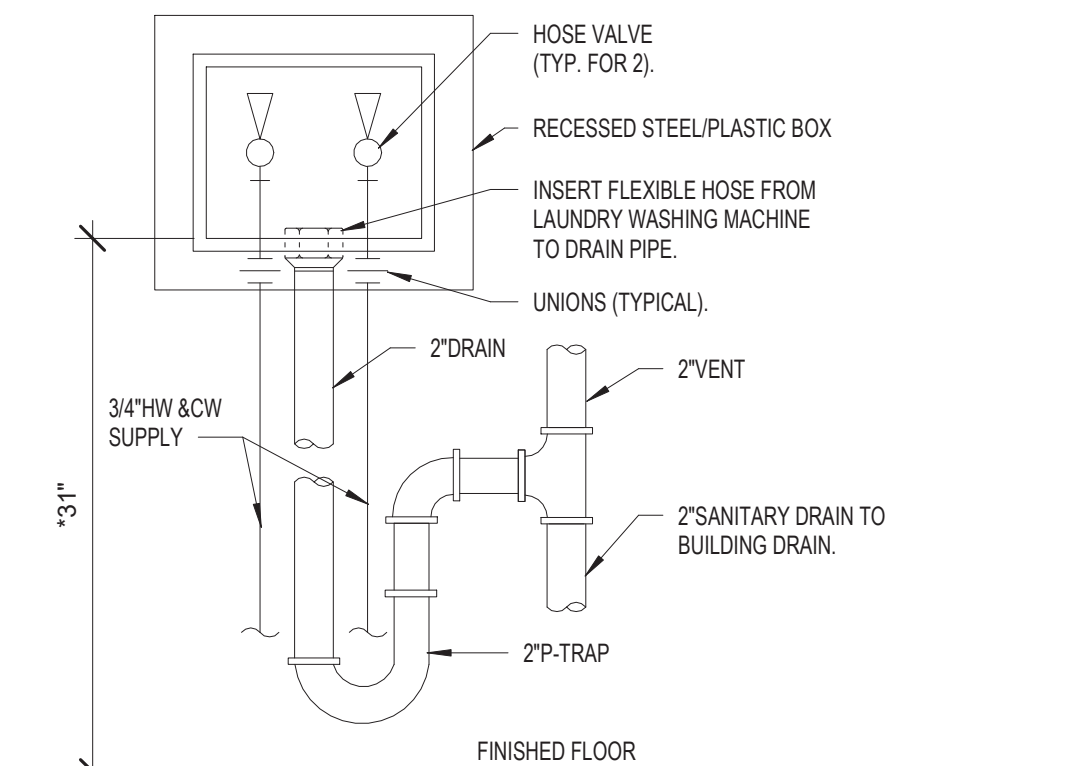
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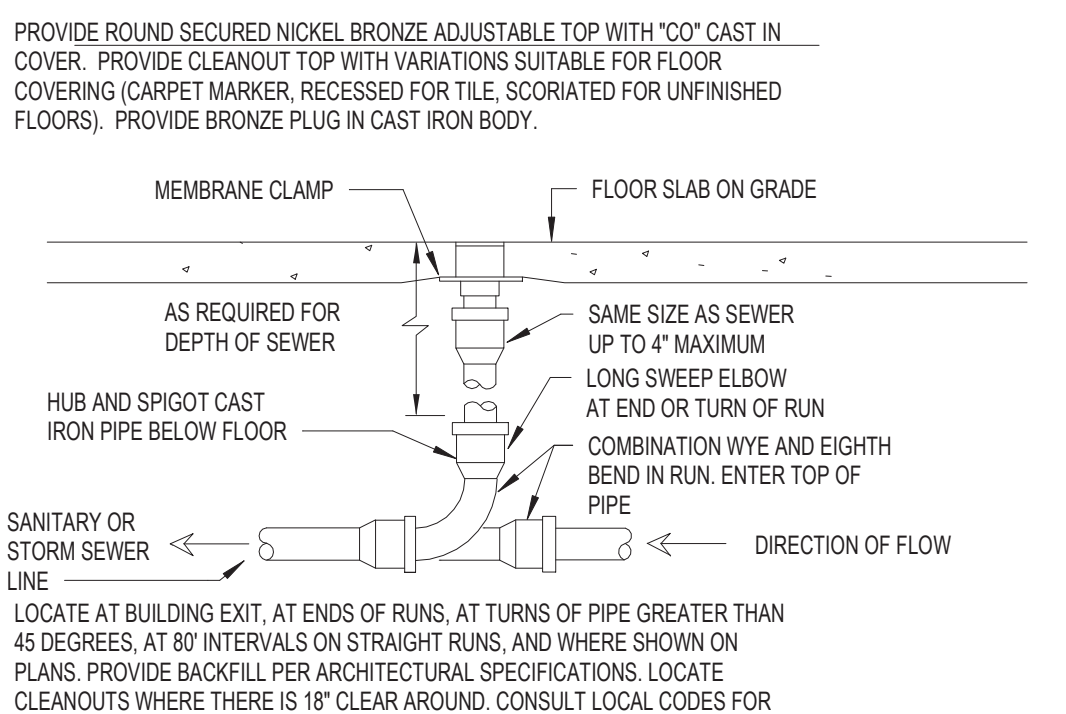
## VENT THRU ROOF (VTR)

# 1 VENT THRU ROOF (VTR)



## LAUNDRY CONNECTION

2 LAUNDRY CONNECTION  
P-000 NO SCALE PLUMBING



## FLOOR CLEANOUT

# 3 FLOOR CLEANOUT

SUPPLY AND SANITARY DRAINAGE FIXTURE UNIT SCHEDULE												
ILLIONIS				WATER SUPPLY FIXTURE UNITS							DRAINAGE FIXTURE UNITS	
TAG	PLUMBING FIXTURE	OCCUPANCY	SUPPLY CONTROL	QUANTITY	WSFU	TOTAL	COLD WATER		HOT WATER			
							FIXTURE	TOTAL	FIXTURE	TOTAL	DFU	TOTAL
WC-1	WATER CLOSET	PUBLIC	VALVE	5	10.00	50.00	10.00	50.00	0.00	0.00	8.00	40.00
WC-2	WATER CLOSET	PUBLIC	VALVE	6	10.00	60.00	10.00	60.00	0.00	0.00	8.00	48.00
WC-3	WATER CLOSET	PUBLIC	VALVE	1	10.00	10.00	10.00	10.00	0.00	0.00	8.00	8.00
LAV-1	LAVATORY	PUBLIC	FAUCET	12	2.00	24.00	1.00	12.00	1.00	12.00	2.00	24.00
LAV-2	LAVATORY	PUBLIC	FAUCET	2	2.00	4.00	1.00	2.00	1.00	2.00	2.00	4.00
LAV-3	LAVATORY	PUBLIC	FAUCET	1	2.00	2.00	1.00	1.00	1.00	1.00	2.00	2.00
UR-1	URINAL	PUBLIC	VALVE	3	10.00	30.00	10.00	30.00	0.00	0.00	8.00	24.00
SH-1	SHOWER	PUBLIC	VALVE	6	3.00	18.00	2.00	12.00	2.00	12.00	2.00	12.00
SH-2	SHOWER	PUBLIC	VALVE	4	3.00	12.00	2.00	8.00	2.00	8.00	2.00	8.00
SK-1	SINK	PUBLIC	FAUCET	3	3.00	9.00	2.00	6.00	2.00	6.00	3.00	9.00
SK-2	SINK	PUBLIC	FAUCET	1	3.00	3.00	2.00	2.00	2.00	2.00	3.00	3.00
EW-1	DRINKING FOUNTAIN	PUBLIC	FAUCET	2	0.25	0.50	0.25	0.50	0.00	0.00	0.50	1.00
LT-1	LAUNDRY TUB	PUBLIC	FAUCET	1	3.00	3.00	2.00	2.00	2.00	2.00	2.00	2.00
IM-1	ICE MAKER	PUBLIC	VALVE	1	0.25	0.25	0.25	0.25	0.00	0.00	0.00	0.00
IM-2	ICE MAKER	PUBLIC	VALVE	1	0.25	0.25	0.25	0.25	0.00	0.00	0.00	0.00
WB-1	WASHER BOX	PUBLIC	VALVE	1	0.50	0.50	0.25	0.25	0.25	0.25	0.50	0.50
FD-1	FLOOR DRAIN	PUBLIC	-	7	0.00	0.00	0.00	0.00	0.00	0.00	6.00	42.00
FD-2	FLOOR DRAIN	PUBLIC	-	1	0.00	0.00	0.00	0.00	0.00	0.00	6.00	6.00
FD-3	FLOOR DRAIN	PUBLIC	-	1	0.00	0.00	0.00	0.00	0.00	0.00	6.00	6.00
				TOTAL	227		196		45		240	
				SIZE	2-1/2"		2-1/2"		1"		6"	
				METER	2"							

				PLUMBING FIXTURE SCHEDULE				
TAG	FIXTURE	MANUFACTURER	MODEL NUMBER	ROUGH-IN CONNECTION				NOTES
				W	V	CW	HW	
LAV-1	FAUCET	ZURN	ZURN ZB913	1-1/2	1-1/4	1/2	1/2	ADA COMPLIANT. SOLID SURFACE INTEGRAL BOWL, MAX DEPTH OF 6-1/2". FAUCET TO BE ZURN ZB913-CWB-CP4 HARDWIRED. PROVIDE FAUCET WITH ASSE APPROVED TMV.
LAV-2	FAUCET	ZURN	Z5344	1-1/2	1-1/4	1/2	1/2	ADA COMPLIANT. WALL MOUNT, VITREOUS CHINA, MAX DEPTH OF 6-1/2". FAUCET TO BE ZURN ZB913-CWB-CP4 HARDWIRED. PROVIDE FAUCET WITH ASSE APPROVED TMV.
LAV-3	FAUCET	SECURE-CARE	LR1652	1-1/4	1-1/4	1/2	1/2	LIGATURE RESISTANCE. WALL MOUNT, OVAL BOWL, ADA COMPLIANT. PROVIDE WITH AIR-CONTROL PNEUMATICALLY OPERATED, METERING, NON-HOLD OPEN VALVE WITH HEMISPHERICAL PUSHBUTTON, SINGLE TEMP. PROVIDE WITH ASSE APPROVED TMV
WC-1	TOILET	ZURN	Z5615	4	2	1-1/4	-	WALL MOUNTED, VITREOUS CHINA. FLUSH VALVE TO BE ZURN ZEMS6000, AUTOMATIC HARD WIRED, FINISH TO BE CHROME, 1.28 GPF. SEAT TO BE ZURN ZS955SS-EL FINISH TO BE WHITE, ELONGATED WITH OPEN FRONT.
WC-2	TOILET	ZURN	Z5615	4	2	1-1/4	-	WALL MOUNTED, VITREOUS CHINA, ADA COMPLIANT. MOUNT AT ADA HEIGHT. FLUSH VALVE TO BE ZURN ZEMS6000, AUTOMATIC HARD WIRED, FINISH TO BE CHROME, 1.28 GPF. SEAT TO BE ZURN ZS955SS-EL FINISH TO BE WHITE, ELONGATED WITH OPEN FRONT.
WC-3	TOILET	DURA-WARE	2100	4	2	1-1/4	-	WALL MOUNTED, TYPE 304 STAINLESS STEEL, 1.28 GPF FLUSH VALVE, ADA LEVER HANDLE, WALL SUPPLY. HIGH POLISH INTEGRAL SEAT.
SH-1	SHOWER	DELTA	RP38357	2	1-1/4	1/2	1/2	SHOWER HEAD TO BE DELTA RP38357. SHOWER HEAD TO BE PROVIDED WITH VALVE. VALVE TO BE ASSE APPROVED TMV SHOWER VALVE TO BE DELTA T140335.
SH-2	SHOWER	DELTA	75605D	2	1-1/4	1/2	1/2	SHOWER HEAD TO BE PROVIDED WITH ADA COMPLIANT VALVE. VALVE TO BE ASSE APPROVED TMV. VALVE TO BE DELTA T140335.
EWC-1	ELECTRIC WATER COOLER	ELKAY	LZSTL8WSLP	1-1/4	1-1/4	1/2	-	ADA COMPLIANT. WALL MOUNT, BI-LEVEL, FILTERED BOTTLE FILLER STATION. LIGHT GRAY FINISH, PUSH BUTTON OPERATED STAINLESS STEEL VALVES WITH FRONT-ACCESSIBLE CARTRIDGE AND FLOW ADJUSTMENT VANDAL RESISTANT BUBBLER HEADS WITH ANTI-SQUIRT FLOW, ELECTRICAL INFORMATION: (115V/60HZ, GFCI, DEDICATED, 20A MOC) PROVIDE REQUIRED HANGER.
SK-1	SINK	DAYTON	DSESR127	1-1/4	1-1/4	3/8	3/8	ADA COMPLIANT. DROP-IN, STAINLESS STEEL, SINGLE BOWL, MAX DEPTH OF 6-1/2". FAUCET TO BE MOEN 8244. PROVIDE WITH AERATOR FOR 1.5 GPM. PROVIDE WITH ASSE APPROVED TMV.
SK-2	SINK	ELKAY	LRAD372260	1-1/4	1-1/4	3/8	3/8	ADA COMPLIANT. DROP-IN, STAINLESS STEEL, DOUBLE BOWL, MAX DEPTH OF 6-1/2". FAUCET TO BE MOEN 7864EVC, CHROME FINISH, 1.5 GPM. PROVIDE WITH ASSE APPROVED TMV. PROVIDE WITH AC ADAPTER WITH POWER SPLITTER FOR HARDWIRED APPLICATION.
UR-1	URINAL	ZURN	Z5789	2	1-1/2	3/4	-	WALL MOUNTED, VITREOUS CHINA, ADA COMPLIANT. FLUSH VALVE TO BE ZURN ZEMS6203PEV-EW5S-IS SENSOR OPERATED HARDWIRED, 0.5 GPF.
TD-1	TRENCH DRAIN	ZURN	Z886	4	2	-	-	3' LONG, 6" WIDE MODULAR HIGH DENSITY POLYETHYLENE TRENCH WITH 6" WIDE RECEDUCTION IRON SLATED GRATE.
WB-1	WASHER BOX	SIOUX CHIEF	696-2313MF	2	1-1/2	1/2	1/2	PLASTIC, RECESSED CONNECTION BOXES WITH ASSE 1010 CERTIFIED WATER HAMMER ARRESTORS, QUARTER TURN SHUT-OFF VALVES & 1/2" FEMALE SWEAT CONNECTIONS. UNIT SHALL INCLUDE SEPARATE SUPPLY BOX, SEPARATE DRAIN BOX WITH 5/8" TESTABLE NIPPLE ON KNOCKOUT, FRAME, MOUNTING BRACKET, DEBRIS COVER AND SHALL ALLOW FOR SUPPLIES COMING FROM ABOVE OR BELOW.
FD-1	FLOOR DRAIN	SIOUX CHIEF	832	4	2	-	-	CAST IRON, ADJUSTABLE , CAULK RIM TO ADJACENT FLOOR MATERIAL.
FD-2	FLOOR DRAIN	SIOUX CHIEF	832	4	2	-	-	CAST IRON, ADJUSTABLE , CAULK RIM TO ADJACENT FLOOR MATERIAL. VANDAL-RESISTANT STRAINER SCREWS.
FD-3	FLOOR DRAIN	SIOUX CHIEF	832	4	2	-	-	CAST IRON, ADJUSTABLE , CAULK RIM TO ADJACENT FLOOR MATERIAL. PROVIDE WITH FUNNEL FOR INDIRECT DRAINAGE.
IM-1	ICE MAKER BOX	OATEY	39114	-	-	1/2	-	ICE MAKER BOX, PEX CONNECTION, NAILS PROVIDED, RECESSED IN WALL WITH FACE PLATE.
IM-2	ICE MACHINE	COORDINATE WITH ARCHITECT	-	-	-	1/2	-	COORDINATE WITH ARCHITECTURAL DRAWINGS FOR MORE DETAIL. PROVIDE INDIRECT DRAIN TO NEAREST FLOOR DRAIN
LT-1	LAUNDRY TUB	MUSTEE	14CP	1-1/2	1-1/4	1/2	1/2	COMBO LAUNDRY TUB, ONE PIECE MOLDED CONSTRUCTION, 20 GAL, 13" DEEP. PROVIDE WITH 6" SWING SPOUT FAUCET WITH AERATOR AND HOSE END, FLEXIBLE SUPPLY LINES, 1-1/2" PVC P-TRAP WITH 12" TAILPIECE, DRAIN STOPPER.
ALTERNATE FIXTURES								
AD-1	AREA DRAIN	SIOUX CHIEF	860	4	2	-	-	CAST IRON BODY, CAST IRON EXTRA HEAVY DUTY STRAINER, CONCRETE ANCHORS. PROVIDE WITH REMOVABLE BASKET FOR CATCHING DEBRIS.
RD-1	ROOF DRAIN	JR SMITH	1010	4	-	-	-	CAST IRON BODY AND DOME













## PLUMBING ABBREVIATIONS

AV	ACID WASTE	IE	INVERT ELLEVATION
AV	ACID VENT	KS	KITCHEN SINK
BF	ABOVE FINISH FLOOR	L	LAVATORY
BT	BATHTUB	LAV	LAVATORY
BFP	BACKFLOW PREVENTER	MB	MOP BASIN
CC	CLEANOUT	NTS	NOT TO SCALE
CW	COLD WATER	PC	PLUMBING CONTRACTOR
DF	DRAINING FOUNTAIN	PS	SANITARY
DS	DOWNSPOUT	SH	SHOWER
DW	DISH WASHER	SP	SUMP PUMP
EW	ELECTRIC WATER COOLER	ST	STORM
EVH	ELECTRIC WATER HEATER	SS	SERVICE SINK
FC	FLOOR CLEANOUT	SK	SINK
FW	FIRE PROTECTION	TW	THERMOSTATIC MIXING VALVE
GG	GAS WATER HEATER	TP	TEMPERED WATER
GW	GREASE WASTE	WH	WALL HYDRANT
HB	HOSE BIBB	WC	WATER CLOSET
HS	HAND SINK	V	VENT
HW	HOT WATER	VTR	VENT THROUGH ROOF
HWR	HOT WATER RETURN	UG	UNDERGROUND
HW140	HOT WATER 140°	UR	URINAL
HW140	HOT WATER RETURN 140°	DT	DRAIN TROUGH
		UG	UNDERGROUND

## PLUMBING GENERAL NOTES

- CONTRACTOR SHALL EXAMINE ALL DRAWINGS AND VISIT THE SITE TO DETERMINE THE FULL EXTENT OF THE WORK AND FACILITY LOCATIONS. CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF LOCAL GOVERNING BODIES. THE SUBMISSION OF A BID SHALL BE CONSTRUCTED AS CONCLUSIVE EVIDENCE THAT THE BIDDER
2. CONTRACTOR TO VERIFY FINAL TYPE, MODEL, AND QUANTITY OF ALL PLUMBING EQUIPMENT PRIOR TO BID.
3. WORK SCHEDULE WILL BE COORDINATED WITH OWNER AND FACILITY REPRESENTATIVES PRIOR TO COMMENCEMENT.
4. NEW WORK AND MATERIAL SHALL CONFORM TO LOCAL CODES.
5. ALL PERMITS, LICENSES, APPROVALS AND OTHER ARRANGEMENTS FOR WORK SHALL BE OBTAINED BY THE PLUMBING CONTRACTOR AT HIS OWN EXPENSE.
6. THE INTENT OF THE DRAWINGS IS TO FURNISH THE OWNER A PLUMBING INSTALLATION READY FOR USE AND COMPLETE IN EVERY ASPECT.
7. CONTRACTOR SHALL PROVIDE AND INSTALL ALL PLUMBING FIXTURES AND EQUIPMENT AS NOTED. REFER TO SPECIFICATION FOR APPROVED FIXTURES. CONTRACTOR SHALL RECEIVE, STORE, AND INSTALL OWNER FURNISHED FIXTURES.
8. TOILETS ARE TO BE INSTALLED 18" FROM THE NEARBY WALL ON CENTERLINE FOR ALL ACCESSIBLE TYPE RESIDENTIAL, COMMERCIAL AND OFFICE UNITS, UNLESS NOTED OTHERWISE ON DRAWINGS.
9. FURNISH AND INSTALL A COMPLETE AND OPERABLE SYSTEM OF DOMESTIC HOT AND COLD WATER TO EACH AND EVERY PLUMBING FIXTURE. APPLANCE AND OUTLET WITH THE FINAL CONNECTIONS, DIRECT CONNECTION TO WATER SERVICES, PIPE FITTINGS, VALVES, AIR CHAMBERS, INSULATION, ELECTRIC UNIONS, HANGERS, AND SUPPORT MEMBERS SHALL BE PROVIDED.
10. FURNISH AND INSTALL A COMPLETE AND OPERABLE SANITARY, WASTE, AND VENT SYSTEMS INCLUDING CONNECTIONS TO EACH AND EVERY PLUMBING FIXTURE, APPLANCE, DRAIN, AND OUTLET WITH FINAL CONNECTIONS THERETO AS WELL AS CONNECTIONS TO THE SOIL, WASTE, AND VENT STACKS.
11. FURNISH AND INSTALL ALL PLUMBING FIXTURES, COMPLETE WITH TRAPS, SUPPLIES, STOPS, HANGERS, CARRIERS, AND OTHER RELATED ITEMS HEREINAFTER SPECIFIED.
12. PROVIDE AIR CHAMBERS, FULL SIZE, 12" LONG FOR EACH HOT AND/OR COLD WATER SUPPLY AT EACH FIXTURE.
13. ALL PIPING SHALL BE SUSPENDED FROM STRUCTURAL MEMBERS OF THE BUILDING, OR AS APPROVED BY THE ARCHITECT AND THE OWNER'S REPRESENTATIVE FOR PIPES 1-INCH IN DIAMETER OR LESS, UTILIZE CLIPPING OR SPLITTING TO BE HANGERS. FOR LARGER PIPES, UTILIZE A STANDARD WEIGHT CLEMS TYPE HANGER. ALL HANGERS SHALL BE A MAXIMUM OF 8'-0" ON CENTER.
14. PROVIDE POLISHED CHROME PLATED ESCUTCHEONS WHERE PIPES PASS THROUGH WALLS AT FIXTURES, WHERE OTHER EXPOSED PIPES PASS THROUGH WALLS, FLOORS, CEILINGS, AND PARTITIONS. PROVIDE POLISHED CUL CHROME PLATED CAST BRASS SET SCREW FLANGES.
15. ALL CUTTING AND PATCHING FOR PLUMBING TRADES WORK SHALL BE BY THE PLUMBING CONTRACTOR OR BY OTHERS AS DIRECTED BY THE GENERAL CONTRACTOR.
16. PRIOR TO FINAL ACCEPTANCE BY THE OWNER, CONTRACTOR SHALL CLEAN ALL FIXTURES AND REMOVE ALL LABELS.
17. ALL FIXTURES SHALL HAVE NEW SHUT-OFF VALVES INSTALLED.
18. CONTRACTOR SHALL GUARANTEE ALL WORK, MATERIAL, EQUIPMENT, ETC., FURNISHED BY HIM FOR A PERIOD OF TWO (2) YEAR AFTER FINAL ACCEPTANCE AND TRANSFER OF THE BUILDING.
19. CONTRACTOR TO PROVIDE BACKFLOW PREVENTION DEVICE (CHECK VALVE) FOR DISHWASHERS, REFRIGERATORS, COFFEE MAKERS, ICE MAKERS, AND TRAP PRIMERS AS REQUIRED BY CODE.
20. THE CONTRACTOR SHALL INSULATE PIPES IN ALL REMOVABLE AND OPEN SINK COUNTERS.
21. CONTRACTOR TO INSTALL SHUT-OFF VALVE IN EACH UNIT AT COLD WATER ENTRY TO UTILITY CLOSET OR FIRST POINT OF ACCESS PER UNIT.
22. THE CONTRACTOR SHALL KEEP THE SITE AND AREAS UNDER CONSTRUCTION IN AN ORDERLY CONDITION AT ALL TIMES AND FREE OF ANY ACCUMULATION OF RUBBISH, DEBRIS, AND WASTE. CARE SHOULD BE TAKEN TO PROTECT AND FINISH SURFACES AND INSTALLATIONS. ALL EFFORTS SHALL BE MADE TO ENSURE CONSTRUCTION ACTIVITIES DO NOT EXPOSE AIR CONDITIONING SYSTEMS OR OCCUPIED SPACES TO ANY CONSTRUCTION DUST, DEBRIS, AND/OR CHEMICAL ODORS. CONTRACTOR SHALL SEAL ALL PLUMBING AND MECHANICAL RISERS AND OPENINGS AROUND WORK AREAS TO ACHIEVE THIS. IF THE CONTRACTOR FAILS TO CONTAIN CONSTRUCTION DUST, THE CONTRACTOR WILL BE RESPONSIBLE FOR ROUTINE CLEAN-UP OF MERCHANDISE AND FIXTURES. CONTRACTOR WOULD ALSO BE RESPONSIBLE FOR ROUTINE FLOOR PATCHES DURING CONSTRUCTION.
23. ALL INVERT ELEVATIONS SHALL BE VERIFIED BEFORE ANY PIPING IS INSTALLED.
24. UNDERGROUND COMBINATION WATER SERVICE LINE TO BE DUCTILE IRON WATER PIPE ASTM A 377 A.
25. ALL BACKFLOW DEVICES SHALL BE TESTED AND APPROVED BY A CROSS CONNECTION CONTROL DEVICE INSPECTOR (CCDI) BEFORE INITIAL OPERATION.
26. ALL DRAINAGE PIPE AND THE VENT SYSTEM SHALL BE PRESSURE TESTED WITH WATER OR AIR.
27. ALL ACCESSIBLE SHOWER AND SHOWER-BATH COMBINATIONS VALVES SHALL COMPLY WITH ASSE 1016, ASSE 1017 OR ASSE 1070 ADJUSTED TO A MAXIMUM SETTING OF ONE HUNDRED AND FIFTY (150) DEGREES FARENHEIT AT THE TIME OF INSTALLATION.
28. THERE SHALL NOT BE TWENTY (20) DRAINAGE FIXTURE UNITS (D.F.U.) SHALL BE INSTALLED ON EACH UNIT (27) VENT LINE.
29. DRY VENTS SHALL BE VERTICALLY NOT MORE THAN FORTY-FIVE (45) DEGREES BEFORE OFFSETTING HORIZONTALLY OR BEFORE CONNECTING TO THE BRANCH VENT AT LEAST SIX INCHES (6") ABOVE THE FLOOD LEVEL RIM. WET VENTS AND FLOOR DRAINS ARE EXEMPT FROM THIS REQUIREMENT.
30. THE DOMESTIC WATER SERVICE PIPE SHALL HAVE AN APPROVED REDUCED PRESSURE BACKFLOW PREVENTED (RP2) INSTALLED IN LINE OF EQUAL PIPE DIAMETER OF THE WATER SERVICE AND SHALL BE LOCATED NO MORE THAN FIVE FEET (5') ABOVE THE FLOOR.
31. THE PLUMBING INSPECTOR SHALL FIELD VERIFY A REDUCED PRESSURE BACKFLOW PREVENTED (RP2) SHALL BE INSTALLED ON THE SUPPLY LINE FEEDING THE FIRE SPRINKLER STORAGE TANK.
32. NO ROOF PENETRATIONS TO BE LOCATED IN A HIGH RIB OF THE STANDING SEAM ROOF.

## PLUMBING SYMBOLS LEGEND

ABBREVIATIONS:		LINE TYPES:	
AFFIAG	ABOVE FINISHED FLOOR/GRADE	— — — — —	PLUMBING VENT (V) - BELOW SLAB/GRADE
BFP	BACKFLOW PREVENTER	— — — — —	SANITARY WASTE (SAN) - BELOW SLAB/GRADE
CO	CLEANOUT	— — — — —	STORM LINE (ST) - ABOVE SLAB/GRADE
FCIC	FURNISHED BY CONTRACTOR INSTALLED BY CONTRACTOR	— — ST — —	STORM LINE (ST) - BELOW SLAB/GRADE
FFCOFGCO	FLUSH FLOOR/GRADE CLEANOUT	— — ST — —	OVERFLOW STORM LINE (OST) - ABOVE SLAB/GRADE
IW	INDIRECT WASTE	— — OST — —	OVERFLOW STORM LINE (OST) - BELOW SLAB/GRADE
PC	PLUMBING CONTRACTOR		
RI	ROUGH-IN		
TYP	TYPICAL		
UNO	UNLESS NOTED OTHERWISE		
VTR	VENT THRU ROOF		
WCO	WALL CLEANOUT		
(E)	EXISTING		
LINE TYPES:		GENERAL REFERENCES/NOTATIONS:	
— — — — —	WATER LINE BELOW SLAB/GRADE		CONNECT TO EXISTING
— — — — —	COLD WATER (CW)		PLAN NOTE DESIGNATION
— — — — —	HOT WATER (HW) 120"		CIRCLE NOTE DESIGNATION
— — F — —	FIRE PROTECTION (F) (SPRINKLER/STANDPIPE)		FIXTURE DESIGNATION
— — CA — —	COMPRESS AIR (CA)		FIRE PROTECTION NOTE DESIGNATION
— — G — —	GAS LINE (G)		REVISION DESIGNATION
— — D — —	CONDENSATE LINE (D)		EQUIPMENT DESIGNATION
— — OD — —	OVERFLOW CONDENSATE LINE (OD)		
— — — — —	PLUMBING VENT (V)		
		PIPE SYMBOLS:	
			PIPE TURNING UP/DOWN
			TEE TURNING UP/DOWN
			SHUTOFF VALVE (BALL TYPE)
			CHECK VALVE
			END CAP

**SYMBOLS LEGEND NOTES:**  
REFER TO SPECIFICATIONS AND PLAN NOTES FOR DETAILED DESCRIPTION OF ALL DEVICES SHOWN IN THIS SCHEDULE, PROVIDED BY THIS CONTRACTOR.

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JUNIOR  
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## PLUMBING NOTES & SCHEDULES

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DESIGN | PERFORMANCE | SUSTAINABILITY

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DATE: 6/25/2021

REVISIONS

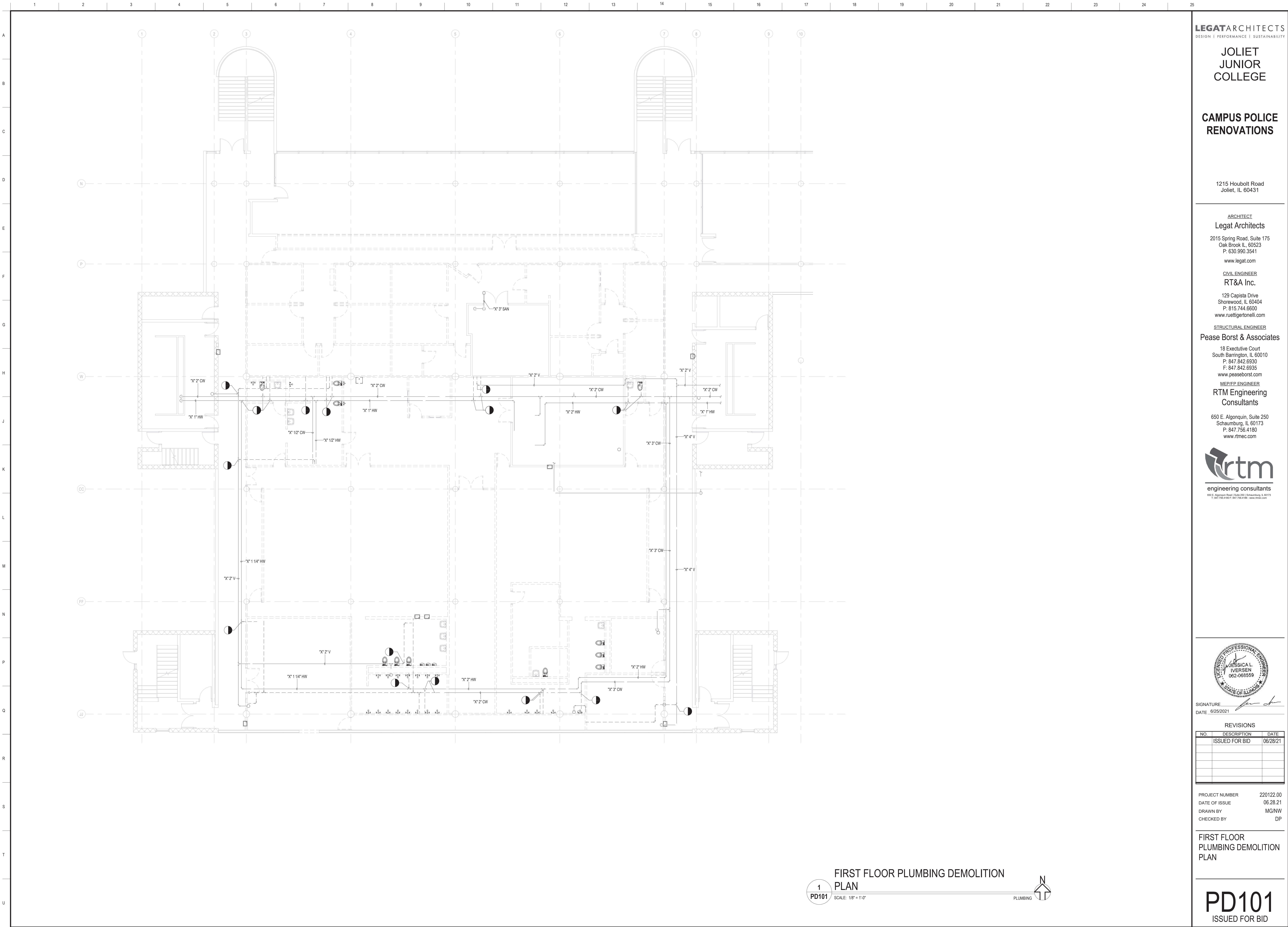
NO.	DESCRIPTION	DATE
1	ISSUED FOR BID	06/28/21

PROJECT NUMBER 220122.00  
DATE OF ISSUE 06.28.21  
DRAWN BY MGNW  
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UNDERGROUND  
PLUMBING DEMOLITION  
PLAN

PD100  
ISSUED FOR BID





LEGATARCHITECTS  
DESIGN | PERFORMANCE | SUSTAINABILITY

JOLIET  
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COLLEGE

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STRUCTURAL ENGINEER

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RTM Engineering  
Consultants

650 E. Algonquin, Suite 250  
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P: 847.756.4180  
www.rtmec.com



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FIRST FLOOR  
PLUMBING DEMOLITION  
PLAN

PD101  
ISSUED FOR BID





PLUMBING_KEYNOTES	
Key Value	Keynote Text
1	EXISTING 4" STORM PIPING TO REMAIN

1  
PD102

SCALE: 1/8" = 1'-0"

PLUMBING

N

SECOND FLOOR PLUMBING DEMOLITION  
PLAN

LEGATARCHITECTS  
DESIGN | PERFORMANCE | SUSTAINABILITY

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JESSICA L. IVERSEN  
062-068559  
STATE OF ILLINOIS

SIGNATURE  
DATE: 6/25/2021

REVISIONS

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220122.00  
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MGNW  
DP

SECOND FLOOR  
PLUMBING DEMOLITION  
PLAN

PD102  
ISSUED FOR BID