

ELECTRICAL DEMOLITION NOTES

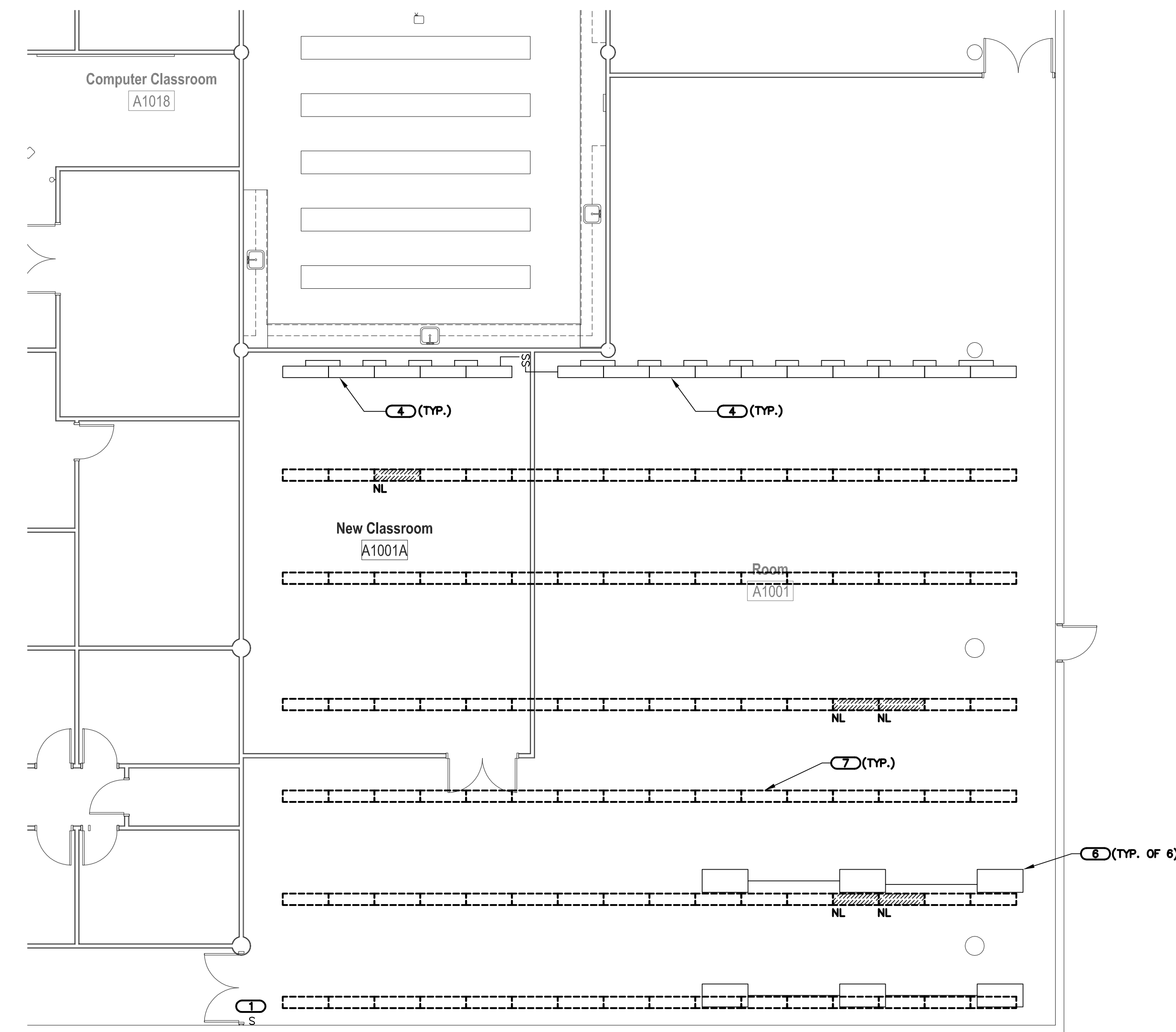
- THE ELECTRICAL DRAWINGS INDICATE EXISTING ELECTRICAL ITEMS TO BE REMOVED. THE DRAWINGS ARE INTENDED TO INDICATE THE SCOPE OF WORK REQUIRED AND DO NOT INDICATE EVERY BOX, CONDUIT, OR WIRE THAT MUST BE REMOVED. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND VERIFY EXISTING CONDITIONS.
- ELECTRICAL ITEMS (i.e., LIGHTING FIXTURES, SWITCHES, ETC.) REMOVED AND NOT RELOCATED REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF MATERIAL. THE OWNER DOES NOT WANT TO REUSE OR RETAIN (i.e., FOR MAINTENANCE PURPOSES).
- THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE OWNER BEFORE TURNING OFF POWER TO CIRCUITS, FEEDERS, PANELS, ETC. COORDINATE ALL OUTAGES WITH OWNER. CONDUIT CONCEALED IN WALL CONSTRUCTION MAY BE ABANDONED IN PLACE IF NOT AFFECTED BY OTHER CONSTRUCTION.
- WHERE LIGHTS, SWITCHES, ETC., ARE BEING REMOVED ALL ASSOCIATED CONDUIT AND WIRE BACK TO THE PANELBOARD OR FEEDER JUNCTION BOX SERVING THE DEVICE SHALL ALSO BE REMOVED.
- WHERE CONDUIT IS IN THE CONCRETE SLAB, OUT OFF FLUSH, PULL OUT WIRE, AND PLUG. WHERE CONDUIT IS RUN EXPOSED, ALL ASSOCIATED CLAMPS, SUPPORTS, HANGERS, ETC. SHALL ALSO BE REMOVED.
- THIS CONTRACTOR SHALL COORDINATE ALL HIS WORK WITH THE OWNER BEFORE REMOVING EXISTING ELECTRICAL AND INSTALLING NEW ITEMS.
- EXISTING CONDUIT MAY NOT BE REUSED.
- EQUIPMENT REMOVAL IN CERTAIN LOCATIONS MAY REQUIRE THE INSTALLATION OF A JUNCTION BOX TO RECONNECT CIRCUITS THAT REMAIN IN OPERATION. EXISTING CONDUIT AND WIRING AS REQUIRED TO MAINTAIN POWER TO REMAINING EQUIPMENT.
- CONTRACTOR SHALL REMOVE AND INSTALL ALL GYP BOARD CEILING AND CEILING TILES AS REQUIRED FOR THE EXECUTION OF ELECTRICAL WORK THAT IS OUTSIDE THE CONTRACT LIMITS OF CONSTRUCTION. CONTRACTOR SHALL REPLACE GYP BOARD CEILING AND CEILING TILES WITH IDENTICAL MATERIAL WHERE DAMAGED BY THIS CONTRACTOR.
- BALLASTS MANUFACTURED PRIOR TO 1980 CONTAIN PCBs AND SHALL BE DISPOSED OF BY A FEDERAL OR STATE E.P.A. APPROVED METHOD AND IN ACCORDANCE WITH SPECIFICATIONS.
- FLUORESCENT LAMPS CONTAIN MERCURY AND SHALL BE DISPOSED OF BY A FEDERAL OR STATE E.P.A. APPROVED METHOD AND IN ACCORDANCE WITH SPECIFICATIONS.
- REMOVE ALL SUPPORTS FOR EXISTING LIGHTING TO BE REMOVED.

KEYNOTES

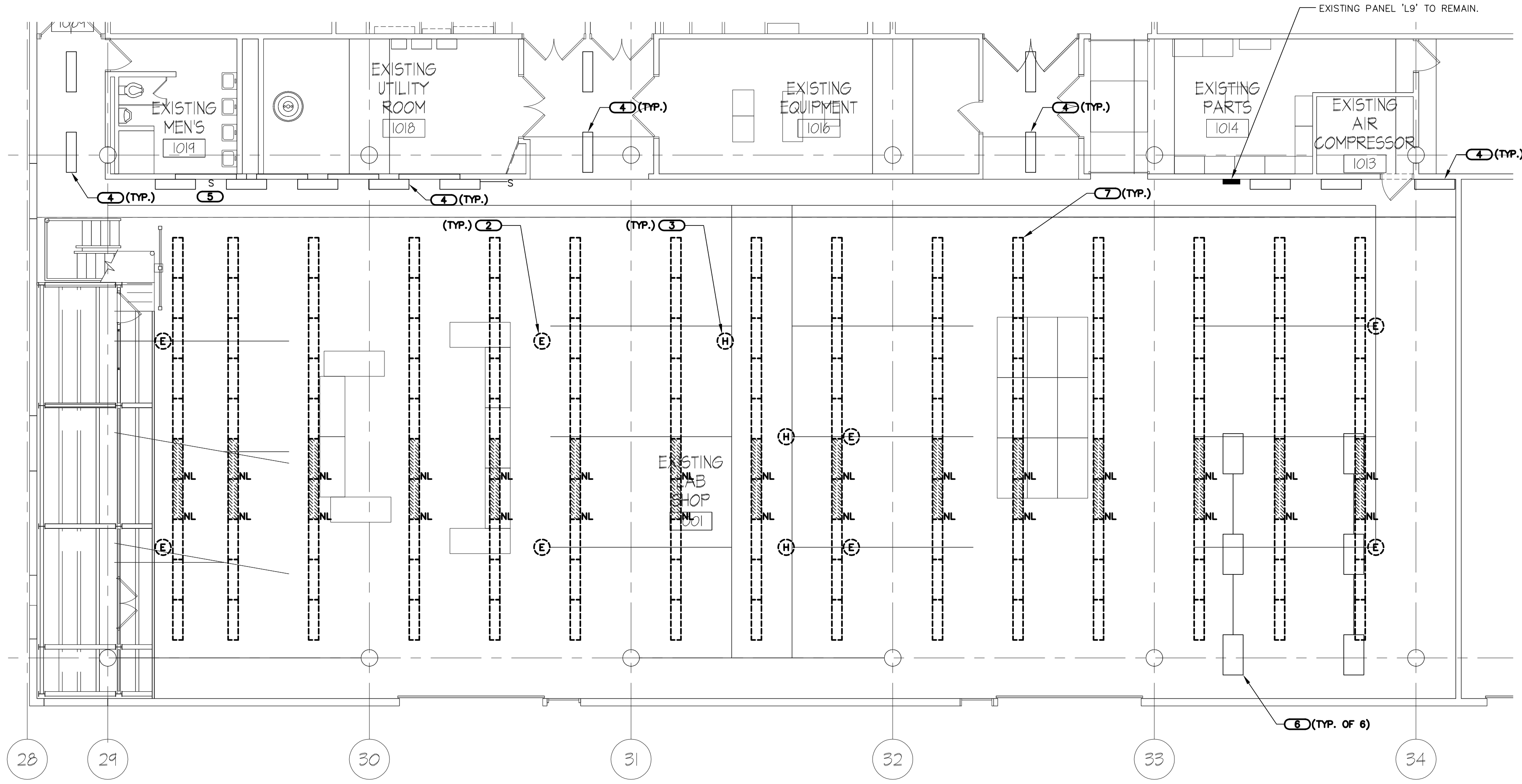
- EXISTING SWITCH TO REMAIN FOR RE-USE. THE EXISTING SWITCH CONTROLS ALL LUMINAIRES VIA A CONTRACTOR FEEDING PANEL 'K' LOCATED IN THE SECOND FLOOR MECHANICAL ROOM IN BUILDING 'A'. LUMINAIRES ARE FED FROM PANEL 'K'.
- EXISTING DROP CORD AND RECEPTACLE TO BE REMOVED AND RELOCATED AS REQUIRED TO COORDINATE WITH NEW LUMINAIRES. REFER TO SHEET E-100 FOR NEW LUMINAIRE LOCATIONS.
- EXISTING HOSE REEL TO BE REMOVED AND RELOCATED AS REQUIRED TO COORDINATE WITH NEW LUMINAIRES. REFER TO SHEET E-100 FOR NEW LUMINAIRE LOCATIONS.
- EXISTING LUMINAIRES MOUNTED TO THE WALL/SOFFIT TO REMAIN. RETAIN ALL SWITCHING, CONDUIT, AND CONDUCTORS TO ENSURE OPERATION OF LUMINAIRES REMAINS UNCHANGED.
- EXISTING SWITCH TO REMAIN FOR RE-USE. THE EXISTING SWITCH CONTROLS ALL LUMINAIRES VIA A CONTRACTOR FEEDING PANEL 'G' LOCATED IN THE SECOND FLOOR MECHANICAL ROOM 2013 IN BUILDING 'C'. LUMINAIRES ARE FED FROM PANEL 'G'.
- EXISTING PENDANT MOUNTED MOCK-UP FIXTURES AND ASSOCIATED CONDUIT, CONDUCTOR, SUPPORTS, ETC. TO REMAIN. SERVING LUMINAIRES TO BE REMOVED SHALL BE REMOVED BACK TO JUNCTION BOX IN A LOCATION SUITABLE TO EXTEND CONDUITS AND CONDUCTORS TO NEW LUMINAIRE LOCATIONS. REFER TO SHEET E-100 FOR NEW WORK REQUIRED.

ELECTRICAL DEMOLITION SYMBOL LIST

SYMBOL	DESCRIPTION
---	INDICATES EXISTING TO REMAIN
- - - - -	INDICATES EXISTING TO BE REMOVED.
---	1'x4' LUMINAIRE, WALL/CEILING MOUNTED
---	2'x4' MOCK-UP LUMINAIRE, PENDANT MOUNTED,
S	SWITCH
---	SURFACE MOUNTED PANELBOARD
⊕	ELECTRICAL CONNECTION, CEILING MOUNTED
⊖	HOSE REEL



1 FIRST FLOOR PLAN - AG. SHOP - ELECTRICAL DEMOLITION
 SCALE: 1/8"=1'-0"

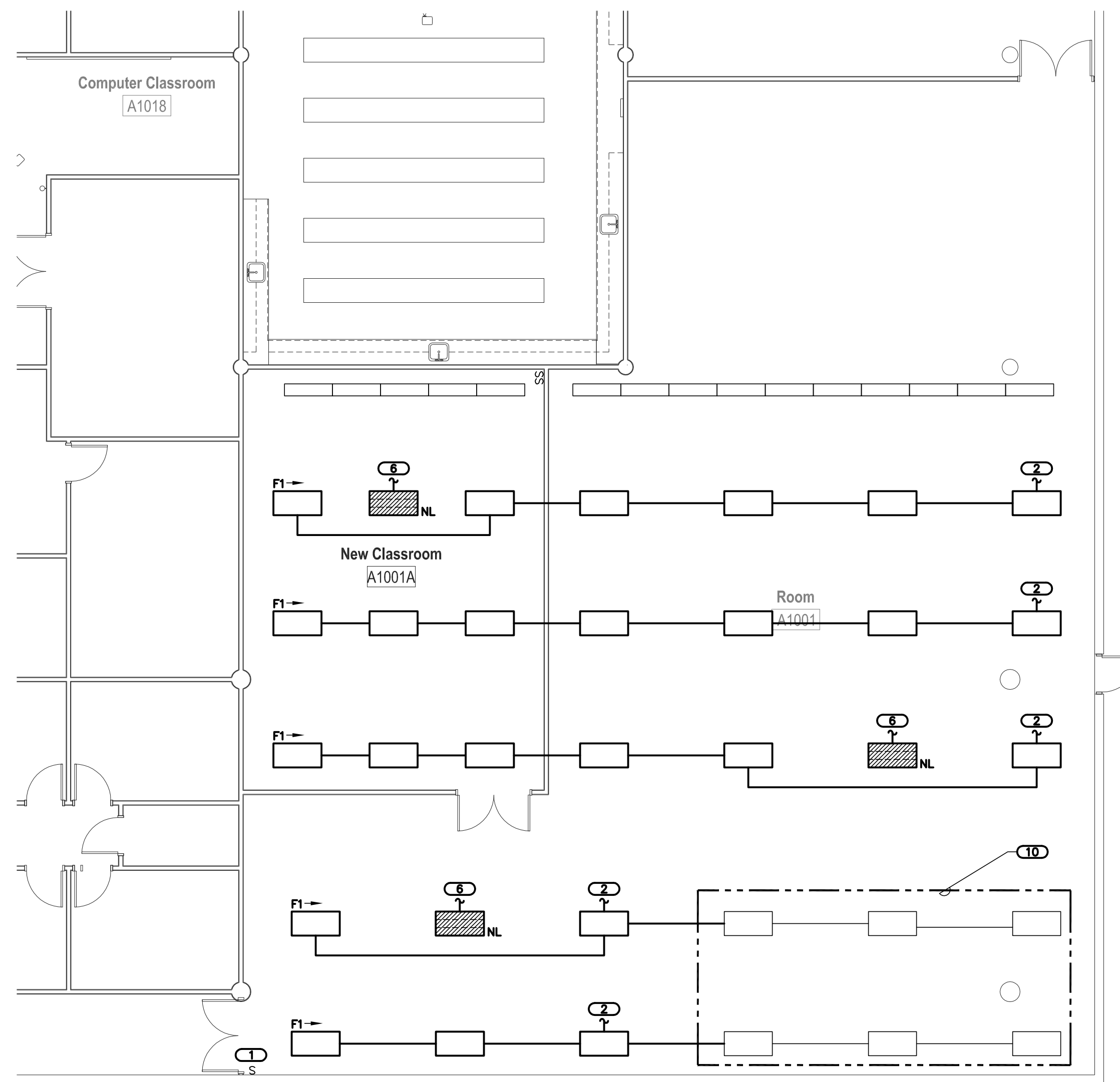


1 FIRST FLOOR PLAN - AUTO SHOP - ELECTRICAL DEMOLITION
 SCALE: 1/8"=1'-0"

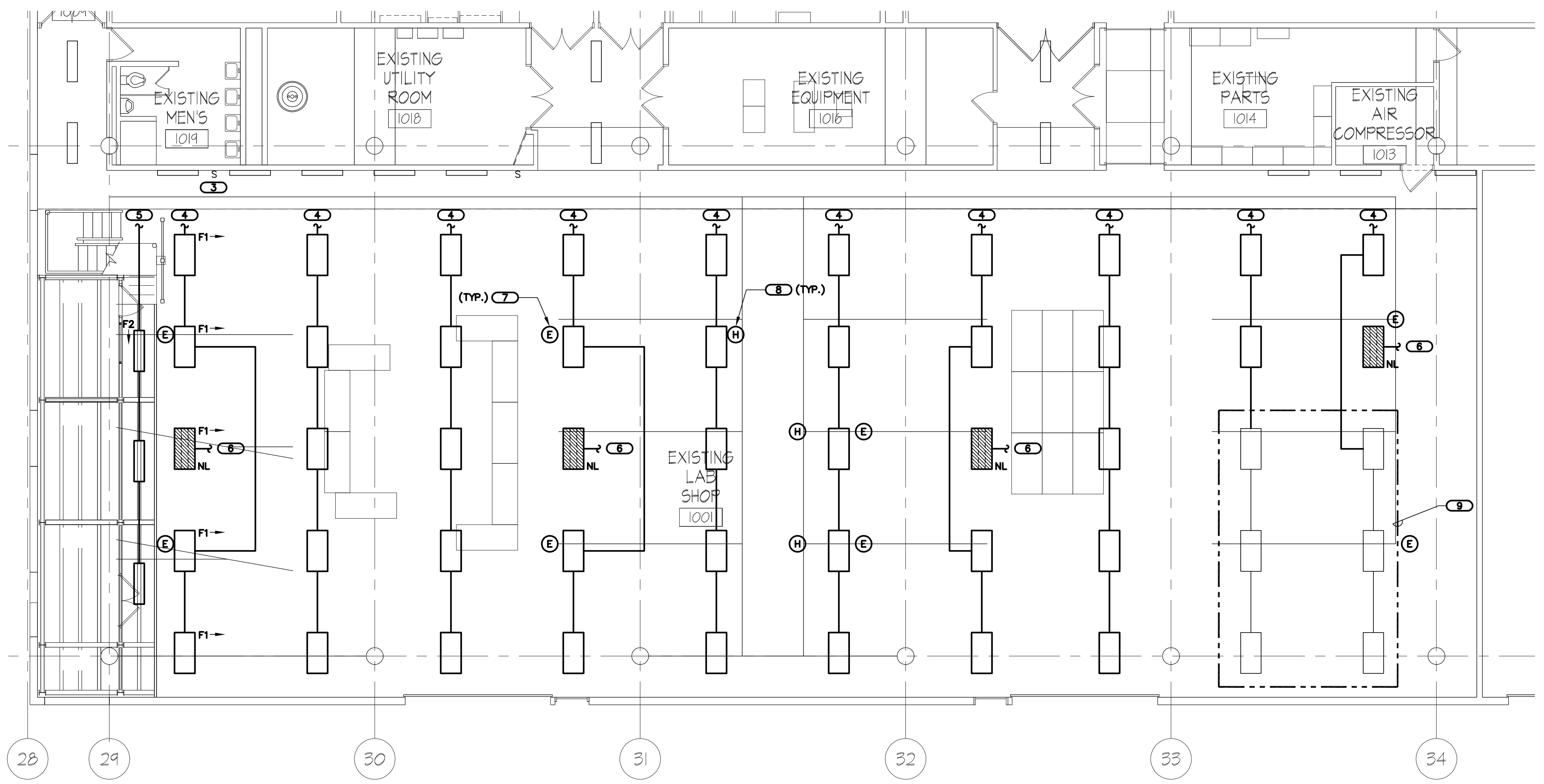
**JJC AUTO SHOP AND AG. SHOP
 JJC LIGHTING UPGRADE
 JOLIET, IL**

DESIGNED BY	DRAWN BY	CHECKED BY
ANTVAN	CHAFOR	MIKDAL
PROJECT NUMBER	DATE	
10.0464.00	09/22/2010	
SHEET DESCRIPTION		
ELECTRICAL DEMOLITION		
SHEET NUMBER		
ED-100		

K:\10\10.046.00\10.046.00\10.046.00.dwg 1/8" = 1'-0" Tuesday, September 21, 2010 11:01am By: vovanenaj



1 FIRST FLOOR PLAN - AG. SHOP - ELECTRICAL
SCALE: 1/8"=1'-0"



1 FIRST FLOOR PLAN - AUTO SHOP - ELECTRICAL
SCALE: 1/8"=1'-0"

GENERAL SHEET NOTES

- REFER TO SHEET E-200 FOR LUMINAIRE SCHEDULE, GENERAL ELECTRICAL NOTES AND ELECTRICAL INSTALLATION NOTES.
- EXISTING SWITCH TO CONTROL ALL ROOM LIGHTING VIA THE EXISTING CONTACTOR FEEDING PANEL 'K' LOCATED IN THE SECOND FLOOR MECHANICAL ROOM IN BUILDING 'A'.
 - EAST-WEST ROWS OF LUMINAIRES SHALL BE MOUNTED TO A COMMON PIECE OF UNISTRUT. UNISTRUT SHALL BE SUPPORTED FROM AIRCRAFT CABLES DESIGNED TO SUPPORT THE WEIGHT OF THE FIXTURES, CONDUITS, CONDUCTORS, MOUNTING HARDWARE, UNISTRUT, AND ALL OTHER REQUIRED EQUIPMENT PLUS AN ADDITIONAL 300 LBS. EXTEND CONDUIT AND CONDUCTORS FROM EXISTING JUNCTION BOX TO A JUNCTION BOX MOUNTED TO THE CEILING ABOVE THE ROW OF LUMINAIRES. NEW CONDUIT AND CONDUCTOR TO MATCH EXISTING CONDUCTORS (PHASE, NEUTRAL, GROUND) SHALL BE A MINIMUM SIZE OF #10 AND CONDUIT SHALL BE A MINIMUM SIZE OF 3/4". ROUTE THREE CONDUCTOR SPOW TYPE CABLE FROM CEILING MOUNTED JUNCTION BOX TO JUNCTION BOX LOCATED ON UNISTRUT. SPOW CABLE CONDUCTOR SIZE TO MATCH EXISTING CIRCUIT CONDUCTORS (MINIMUM OF #10). ROUTE CONDUIT AND CONDUCTOR FROM JUNCTION BOX MOUNTED ON UNISTRUT TO LUMINAIRE. CONDUIT AND CONDUCTOR TO MATCH EXISTING CONDUCTORS (PHASE, NEUTRAL, GROUND) SHALL BE A MINIMUM SIZE OF #10 AND CONDUIT SHALL BE A MINIMUM SIZE OF 3/4". LUMINAIRES SHALL BE MOUNTED SO THE BOTTOM OF THE LUMINAIRE IS FLUSH WITH THE TOP OF THE EXISTING CEILING DOOR ON THE EAST WALL, APPROXIMATELY 20'-0" ABOVE THE FINISHED FLOOR. NEW LUMINAIRE SHALL BE CONTROLLED BY THE EXISTING CONTACTOR FEEDING PANEL 'K' LOCATED IN THE SECOND FLOOR MECHANICAL ROOM IN BUILDING 'A' AND CONTROLLED BY THE SWITCH IN THE ROOM.
- EXISTING SWITCH TO CONTROL ALL ROOM LIGHTING VIA THE EXISTING CONTACTOR FEEDING PANEL 'G' LOCATED IN THE SECOND FLOOR MECHANICAL ROOM 2013 IN BUILDING 'C'. LUMINAIRES ARE FED FROM PANEL 'G'.
 - NORTH-SOUTH ROWS OF LUMINAIRES SHALL BE MOUNTED TO A COMMON PIECE OF UNISTRUT. UNISTRUT SHALL BE SUPPORTED FROM AIRCRAFT CABLES DESIGNED TO SUPPORT THE WEIGHT OF THE FIXTURES, CONDUITS, CONDUCTORS, MOUNTING HARDWARE, UNISTRUT, AND ALL OTHER REQUIRED EQUIPMENT PLUS AN ADDITIONAL 300 LBS. EXTEND CONDUIT AND CONDUCTORS FROM EXISTING JUNCTION BOX TO A JUNCTION BOX MOUNTED TO THE CEILING ABOVE THE ROW OF LUMINAIRES. NEW CONDUIT AND CONDUCTOR TO MATCH EXISTING CONDUCTORS (PHASE, NEUTRAL, GROUND) SHALL BE A MINIMUM SIZE OF #10 AND CONDUIT SHALL BE A MINIMUM SIZE OF 3/4". ROUTE THREE CONDUCTOR SPOW TYPE CABLE FROM CEILING MOUNTED JUNCTION BOX TO JUNCTION BOX LOCATED ON UNISTRUT. SPOW CABLE CONDUCTOR SIZE TO MATCH EXISTING CIRCUIT CONDUCTORS (MINIMUM OF #10). ROUTE CONDUIT AND CONDUCTOR FROM JUNCTION BOX MOUNTED ON UNISTRUT TO LUMINAIRE. CONDUIT AND CONDUCTOR TO MATCH EXISTING CONDUCTORS (PHASE, NEUTRAL, GROUND) SHALL BE A MINIMUM SIZE OF #10 AND CONDUIT SHALL BE A MINIMUM SIZE OF 3/4". LUMINAIRES SHALL BE MOUNTED SO THE BOTTOM OF THE LUMINAIRE IS 17'-0" ABOVE THE FINISHED FLOOR. NEW LUMINAIRE SHALL BE CONTROLLED BY THE EXISTING CONTACTOR FEEDING PANEL 'G' LOCATED IN THE SECOND FLOOR MECHANICAL ROOM 2013 IN BUILDING 'C' AND CONTROLLED BY SWITCH IN THE ROOM.
- EXTEND CONDUIT AND CONDUCTORS FROM EXISTING JUNCTION BOX TO LUMINAIRE. CONDUCTORS (PHASE, NEUTRAL, GROUND) SHALL BE A MINIMUM SIZE OF #10 AND CONDUIT SHALL BE A MINIMUM SIZE OF 3/4". COORDINATE LUMINAIRE LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- EXTEND CONDUIT AND CONDUCTORS FROM EXISTING JUNCTION BOX TO LUMINAIRE. CONDUCTORS (PHASE, NEUTRAL, GROUND) SHALL BE A MINIMUM SIZE OF #10 AND CONDUIT SHALL BE A MINIMUM SIZE OF 3/4". COORDINATE LUMINAIRE LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- EXISTING DROP CORD AND RECEPTACLE SHALL BE RELOCATED AS NECESSARY TO COORDINATE WITH NEW LUMINAIRE LOCATIONS. NEW CONDUIT AND CONDUCTOR TO MATCH EXISTING CONDUCTORS (PHASE, NEUTRAL, GROUND) SHALL BE A MINIMUM SIZE OF #10 AND CONDUIT SHALL BE A MINIMUM SIZE OF 3/4". COORDINATE REVISED LOCATION WITH OWNER.
- EXISTING HOSE REEL SHALL BE RELOCATED AS NECESSARY TO COORDINATE WITH NEW LUMINAIRE LOCATIONS. EXTEND A MINIMUM OF 1" COPPER COMPRESSED AIR PIPING TO NEW LOCATION. NEW COMPRESSED AIR PIPING TO MATCH EXISTING. COORDINATE REVISED LOCATION WITH OWNER.
- EXISTING 'F1' TYPE LUMINAIRES AND ASSOCIATED WIRING INSTALLED BY OWNER AS PART OF A MOCK-UP, E.C. SHALL EXTEND CONDUIT, CONDUCTORS, UNISTRUT, ETC. AS REQUIRED TO INSTALL ADDITIONAL FIXTURE. E.C. SHALL REVISE CIRCUITING TO EXISTING MOCK-UP FIXTURES AS REQUIRED FOR FIXTURE INSTALLATION/CONTROLS TO BE CONSISTENT WITH OTHER ROWS OF AUTO SHOP LIGHTING.
- EXISTING 'F1' TYPE LUMINAIRES AND ASSOCIATED WIRING INSTALLED BY OWNER AS PART OF A MOCK-UP, E.C. SHALL EXTEND CONDUIT, CONDUCTORS, UNISTRUT, ETC. AS REQUIRED TO INSTALL ADDITIONAL FIXTURE. E.C. SHALL REVISE CIRCUITING TO EXISTING MOCK-UP FIXTURES AS REQUIRED FOR FIXTURE INSTALLATION/CONTROLS TO BE CONSISTENT WITH OTHER ROWS OF AG. SHOP LIGHTING.

ALTERNATE BID

- UNDER ALTERNATE BID 1 PROVIDE LED 'F1-ALT' LUMINAIRES IN PLACE OF EXISTING AUTO SHOP MOCK-UP. E.C. SHALL REMOVE EXISTING FLUORESCENT FIXTURE AND INSTALL NEW LED FIXTURES IN THERE. PLACE NEW MOCK-UP FIXTURES TO HAVE THE SAME CONTROLS AS THE EXISTING MOCK-UP FIXTURES. EXISTING FLUORESCENT MOCK-UP FIXTURES SHALL BE RE-USED FOR THE LIGHTING IN THE AG. SHOP.
- UNDER ALTERNATE BID 2 PROVIDE LED 'F1-ALT' LUMINAIRES FOR THE REMAINDER OF THE FLUORESCENT 'F1' LUMINAIRES IN THE AUTO SHOP. LIGHTING CONTROLS AND ROUTING OF CONDUIT AND CONDUCTORS SHALL REMAIN CONSISTENT BETWEEN BASE BID AND ALTERNATE BID.
- UNDER ALTERNATE BID 3 PROVIDE LED 'F1-ALT' LUMINAIRES FOR THE FLUORESCENT 'F1' LUMINAIRES IN THE AG. SHOP. LIGHTING CONTROLS AND ROUTING OF CONDUIT AND CONDUCTORS SHALL REMAIN CONSISTENT BETWEEN BASE BID AND ALTERNATE BID.

BIDDING NOTES

- CONTRACTOR IS TO INCLUDE AN ALLOWANCE OF \$5,000 IN THEIR BASE BID. THIS ALLOWANCE IS FOR JIC DISCRETIONARY USE FOR UNFORESEEN CONDITIONS. THE CONTRACTOR SHALL NOT CHARGE AGAINST THIS ALLOWANCE UNTIL RECEIPT OF A BUDGET EXPENSE AUTHORIZATION IS RECEIVED FROM JIC. THE CONTRACTOR SHALL ONLY INVOICE FOR MATERIAL AND LABOR AGAINST THIS ALLOWANCE AS ALL OVERTIME AND PROFIT IS CONSIDERED INCLUDED IN THEIR BASE BID.
- CONSTRUCTION SHALL BEGIN DECEMBER 20, 2010 AND BE COMPLETED NO LATER THAN JANUARY 7, 2011.

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**JJC AUTO SHOP AND AG. SHOP
JJC LIGHTING UPGRADE
JOLIET, IL**

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REFERENCE SCALE IN INCHES		

DESIGNED BY	DRAWN BY	CHECKED BY
ANTVAN	CHAFOR	MIKDAL
PROJECT NUMBER	DATE	
10.0464.00	09/22/2010	
SHEET DESCRIPTION		
ELECTRICAL LIGHTING PLAN		

SHEET NUMBER
E-100

