

SITE ELECTRICAL PLAN

SCALE: 1" = 30'-0"

GENERAL NOTES

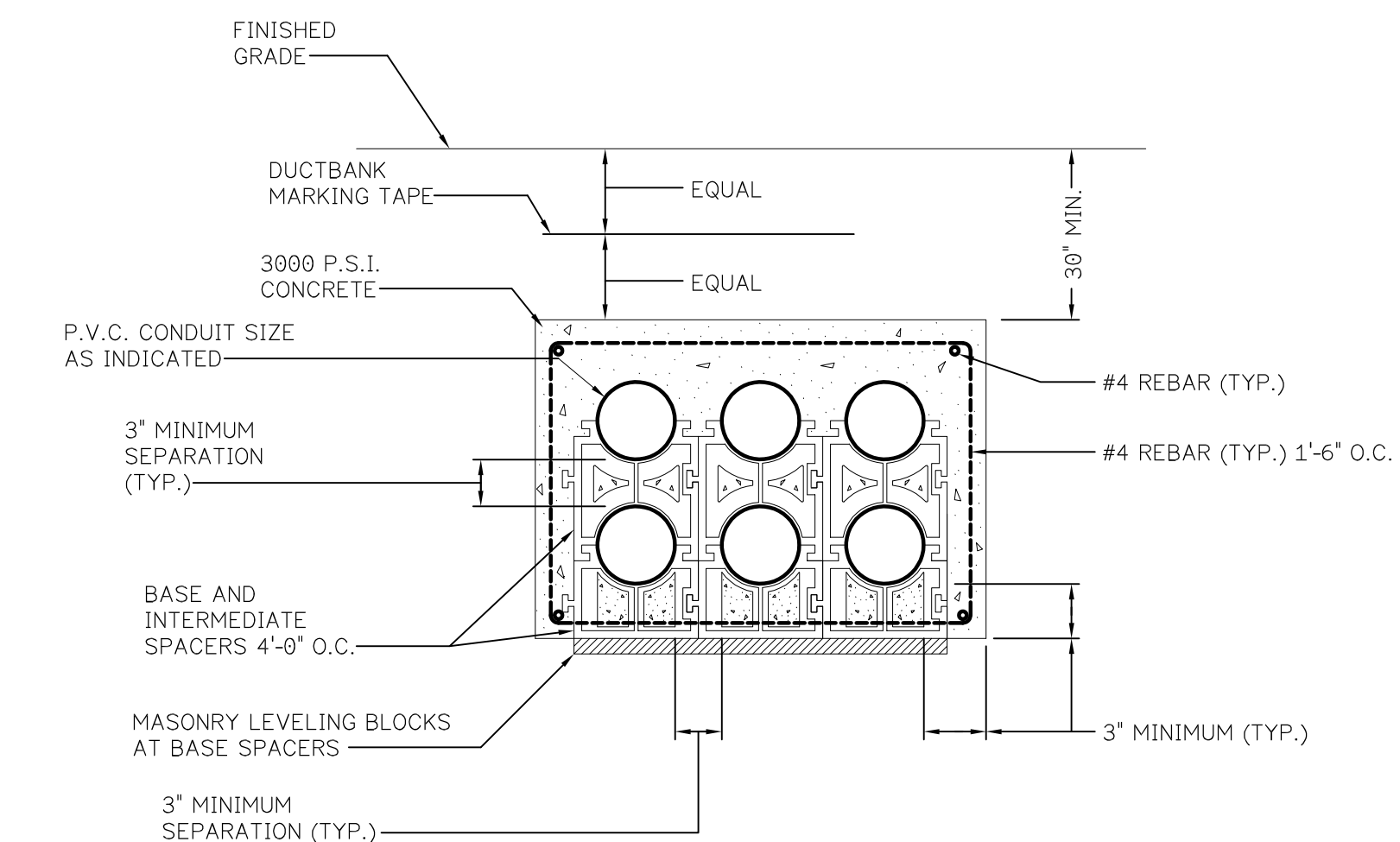
- A. COORDINATE EXACT MOUNTING LOCATION OF ALL PROPOSED NEW AND FUTURE ELECTRIC VEHICLE CHARGING STATIONS WITH ARCHITECT AND OWNERS REPRESENTATIVE PRIOR TO START OF WORK.

DRAWING NOTES ①-⑨

1. PROPOSED LOCATION OF UTILITY COMPANY TRANSFORMER. COORDINATE EXACT TRANSFORMER MOUNTING LOCATION, PAD SIZE, AND INSTALLATION REQUIREMENTS WITH UTILITY COMPANY PRIOR TO START OF WORK.
2. PROPOSED 6-WAY, CONCRETE ENCASED SERVICE DUCT BANK FROM UTILITY TRANSFORMER SECONDARY TO MAIN SERVICE DISTRIBUTION EQUIPMENT ON BUILDING EXTERIOR; CONTRACTOR SHALL COORDINATE EXACT DUCT BANK ROUTING AND TERMINATION LOCATION IN THE FIELD. REFER TO POWER RISER, SHEET E-601 FOR ADDITIONAL INFORMATION. REFER TO DUCT BANK DETAIL, THIS SHEET FOR ADDITIONAL INFORMATION.
3. PROPOSED LOCATION OF NEW ELECTRICAL DISTRIBUTION EQUIPMENT, SHOWN ON THIS SHEET FOR REFERENCE ONLY. REFER TO POWER PART PLAN - MAIN ELECTRIC & AIR/OIL ROOM, AND POWER RISER, SHEET E-601 FOR ADDITIONAL INFORMATION.
4. PROVIDE 120V ELECTRICAL CONNECTION FOR PYLON SIGNAGE. COORDINATE EXACT TERMINATION LOCATION, CONNECTION REQUIREMENTS, ETC. IN THE FIELD. CIRCUIT AS INDICATED ON PLANS.
5. PROPOSED LOCATION OF OWNER PROVIDED PEDESTAL MOUNTED DUAL HEAD (2), LEVEL TWO STYLE VEHICLE CHARGING KIOSK (CHARGE POINT MODEL #CTE6000 - 208V, 1Ø, 80A MAX INPUT AMPERAGE/HEAD, 100A LOCK-OFF STYLE MOCP/HEAD - 19.0 KW MAX OUTPUT/HEAD @240V/1Ø), CONTRACTOR SHALL EXTEND TWO (2) SETS (2 #2 + #8 GRD - 3" CDT-MINIMUM) BELOW GRADE TO BUILDING INTERIOR NEAREST FULL HEIGHT WALL AND EXTEND TO CIRCUIT AS INDICATED ON PLANS. COORDINATE EXACT MOUNTING LOCATION, CONDUIT ROUTING, AND TERMINATION LOCATION IN THE FIELD. INSTALLATION OF CAR CHARGING STATIONS, EQUIPMENT, WIRING, AND ASSOCIATED GROUNDING SHALL COMPLY WITH NEC ARTICLE 625.
6. PROPOSED LOCATION OF OWNER PROVIDED FREE STANDING SINGLE HEAD (1), LEVEL THREE VEHICLE CHARGING KIOSK (CHARGE POINT MODEL #CPE250 - 480V, 3Ø, 80A MAX INPUT AMPERAGE, 100A LOCK-OFF STYLE MOCP - 62.5 KW MAX OUTPUT @480V/3Ø). CONTRACTOR SHALL EXTEND (4 #2 + #8 GRD - 3" CDT-MINIMUM) BELOW GRADE TO CIRCUIT AS INDICATED ON PLANS. COORDINATE EXACT MOUNTING LOCATION, CONDUIT ROUTING, AND TERMINATION LOCATION IN THE FIELD. INSTALLATION OF CAR CHARGING STATIONS, EQUIPMENT, WIRING, AND ASSOCIATED GROUNDING SHALL COMPLY WITH NEC ARTICLE 625.
7. CONTRACTOR SHALL EXTEND ONE (1) 3" CONDUIT WITH PULL-STRING BELOW GRADE FROM CONTRACTOR PROVIDED AND INSTALLED WATERPROOF RATED, BELOW GRADE, QUAZITE BOX (OR APPROVED EQUAL), TO BUILDING INTERIOR NEAREST FULL HEIGHT WALL; CONTRACTOR SHALL EXTEND CONDUIT TO CEILING SPACE ABOVE PANELBOARD LOCATION AS INDICATED ON PLANS. CAP FOR FUTURE USE. COORDINATE EXACT MOUNTING LOCATION AND CONDUIT ROUTING WITH OWNERS REPRESENTATIVE IN THE FIELD.
8. EXTEND ONE (1) 3" CONDUIT BELOW GRADE TO CONNECT ADJACENT LEVEL 3 DC CHARGER SYSTEM FOR SHARED POWER CONFIGURATION. COORDINATE EXACT CONDUIT ROUTING AND TERMINATION LOCATION IN THE FIELD.
9. EXTEND ONE (1) 3/4" CONDUIT TO CONNECT ADJACENT LEVEL 3 CHARGER FOR LOW VOLTAGE CABLING BY OTHERS. COORDINATE EXACT CONDUIT ROUTING AND TERMINATION LOCATION IN THE FIELD.

EXTERIOR LIGHTING FIXTURE SCHEDULE				
TYPE	LAMPS	MOUNTING	DESCRIPTION/VOLTAGE	CATALOG NO.
FL	21W LED 5000°K	SURFACE GRADE /DISPLAY	GRADE MOUNTED FLOOD LIGHT STYLE LED FIXTURE WITH STANDARD DRIVER, FLOOD OPTICS, INTEGRAL PHOTO SENSOR, BRONZE FINISH AND 2,000 LUMEN OUTPUT/FIXTURE. 277 VOLTS	LSI LIGHTING TFSLLED-2L-UNV-DIM-5 0-BZA-C208 -120

- * ALL FIXTURES SHALL BE EQUIPPED WITH FULL CUT OFF IN ACCORDANCE WITH DARK SKY REGULATIONS.
- * COORDINATE FIXTURE FINISH WITH ARCHITECT PRIOR TO PURCHASE.



TYPICAL CONCRETE ENCASED DUCTBANK - 6 WAY
NO SCALE

CMA HYUNDAI WINCHESTER RENOVATION
3951 VALLEY PIKE WINCHESTER VA, CMA008a

CMA

3985 VALLEY PIKE
WINCHESTER, VA
23602

Professional Certification:

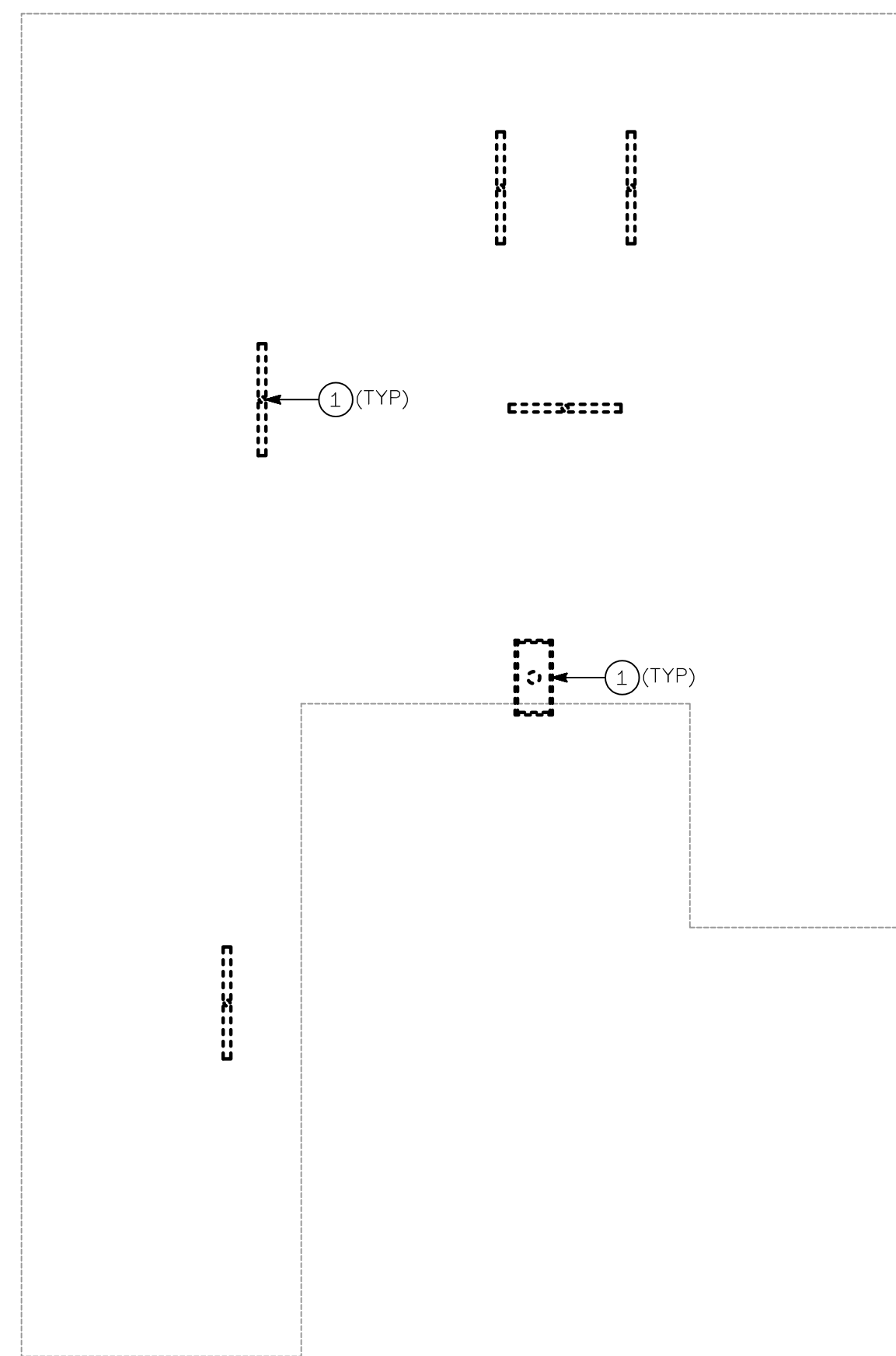
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No. / Issue / Revision	Date
MRB	
Checked By:	GWB
Plot Date:	

Sheet Number
E-100
Sheet Title
SITE ELECTRICAL PLAN

Project Number
IDC #23-010

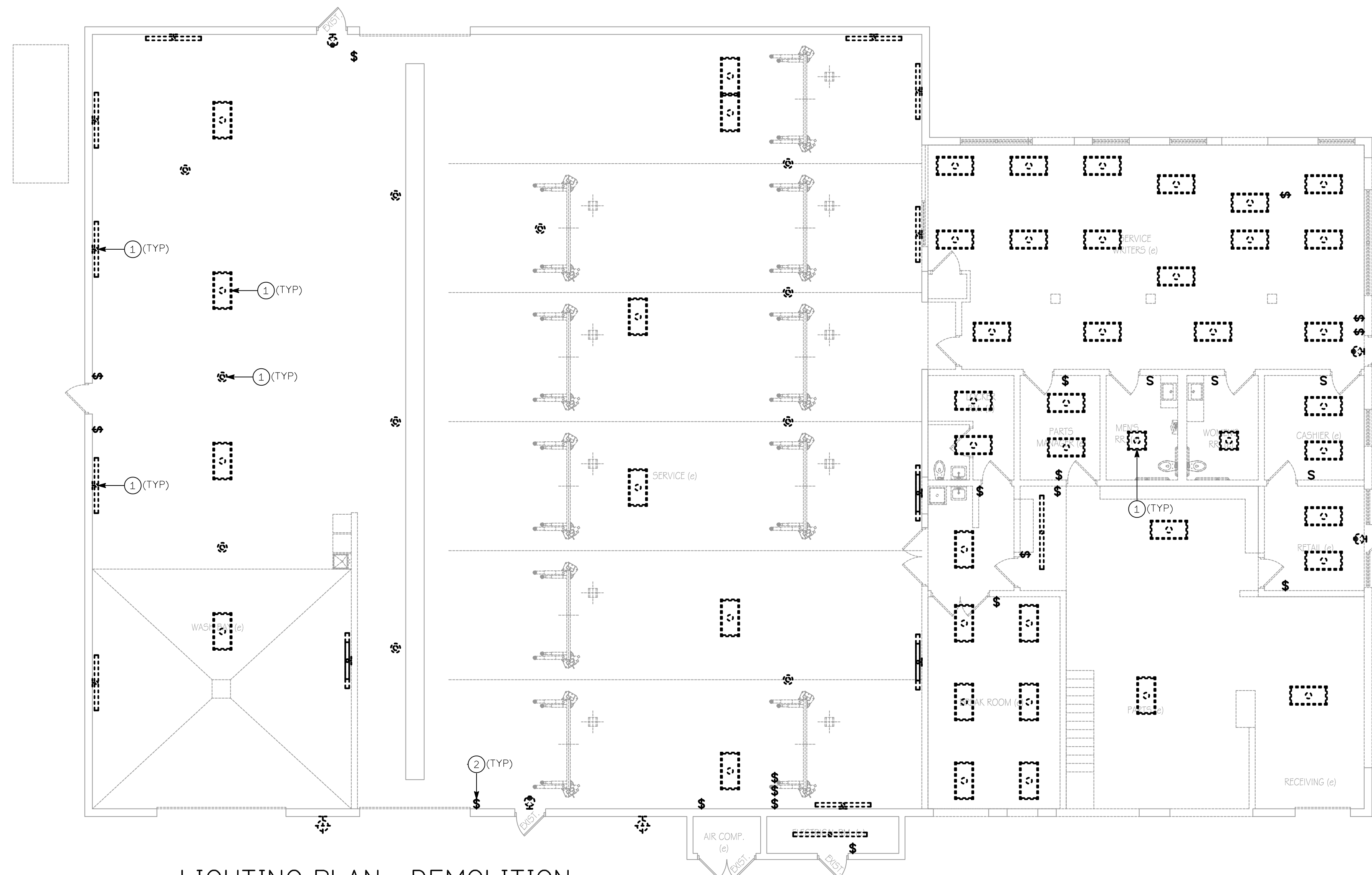
File Name





LIGHTING PLAN MEZZANINE - DEMOLITION

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



LIGHTING PLAN - DEMOLITION

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

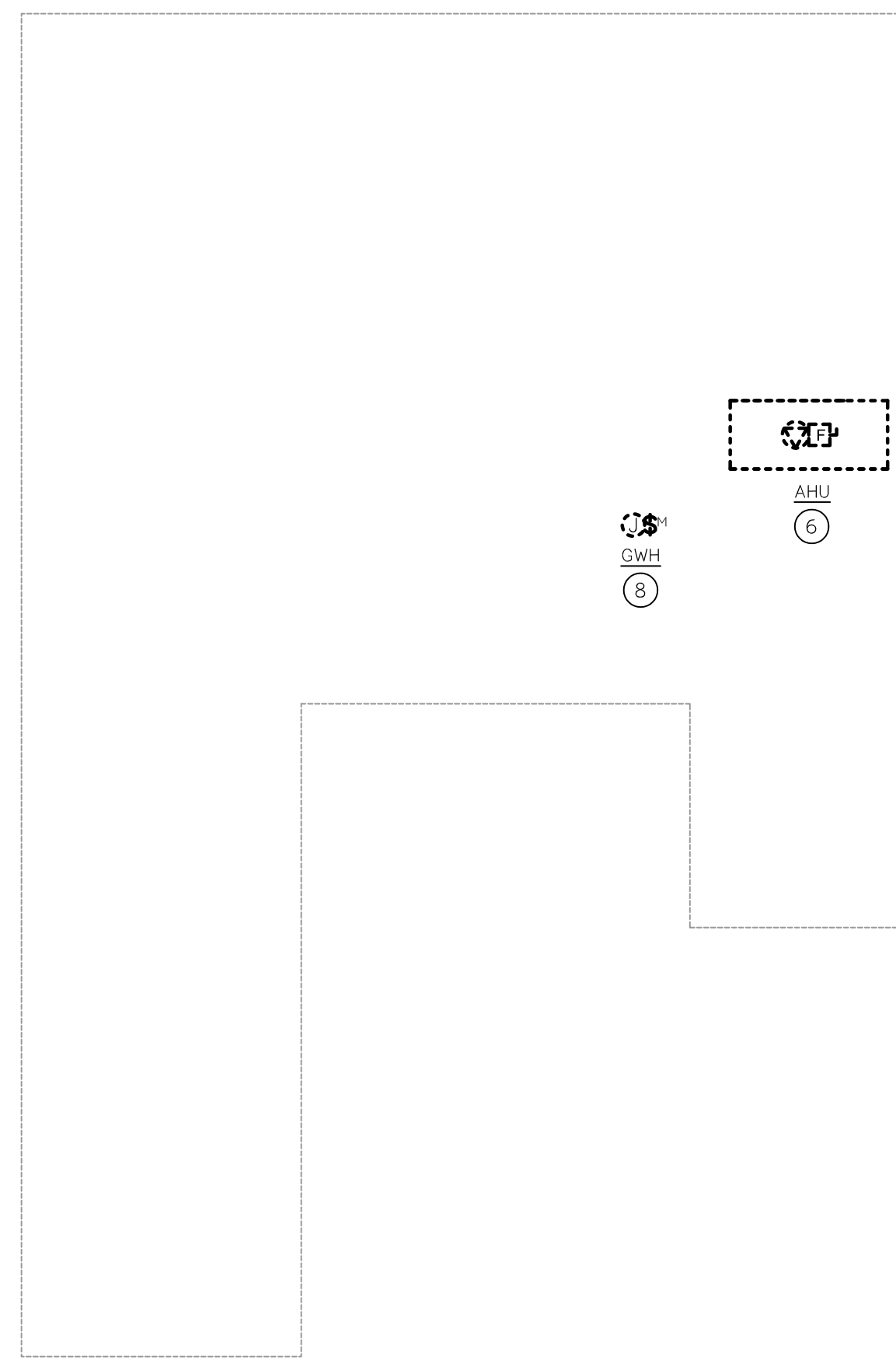
**DEMOLITION LIGHTING
GENERAL NOTES**

- A. ALL ACCESSIBLE ITEMS OF LIGHTING FIXTURES, CONDUIT, WIRING, ASSOCIATED CONTROLS, ETC. AFFECTED BY THE RENOVATION WORK AND NOT REQUIRED IN THE COMPLETED WORK SHALL BE CAREFULLY REMOVED. DAMAGED WALLS, FLOORS, CEILINGS, ETC. SHALL BE PATCHED AND FINISHED TO MATCH THE EXISTING ADJACENT SURFACES. REMOVED ITEMS SHALL BE PROPERLY DISPOSED OF OFF SITE AND NOT REUSED EXCEPT AS NOTED. TURN OVER ALL EXISTING EQUIPMENT DESIRED BY BUILDING OWNER.
- B. REMOVAL OF EXISTING CIRCUITS IN PANELBOARDS NOT REQUIRED FOR COMPLETED WORK. UTILIZE EXISTING BREAKERS FOR NEW WORK SHOWN. PROVIDE NEW BREAKERS AS REQUIRED TO SERVE NEW CIRCUITS. LABEL ALL BREAKERS NOT USED AS SPARE.
- C. RECONNECT CIRCUITS AS REQUIRED TO MAINTAIN CONTINUITY TO EXISTING LIGHTING DEVICES, FIXTURES, AND CONTROLS NOTED TO REMAIN, AS WELL AS ADJACENT AREAS WHICH ARE NOT IN CONTRACT.
- D. ALL EXISTING LIGHTING FIXTURES AND ASSOCIATED CONTROLS ARE SHOWN LIGHT AND SOLID WITH AN 'EX' SUBSCRIPT. ALL DEVICES, FIXTURES, ETC. TO BE REMOVED ARE SHOWN HEAVY AND DASHED.
- E. CONTRACTOR SHALL MARK ALL CIRCUITS MADE AVAILABLE DURING DEMOLITION AS SPARE FOR REUSE DURING NEW WORK PHASE.

LIGHTING NOTES

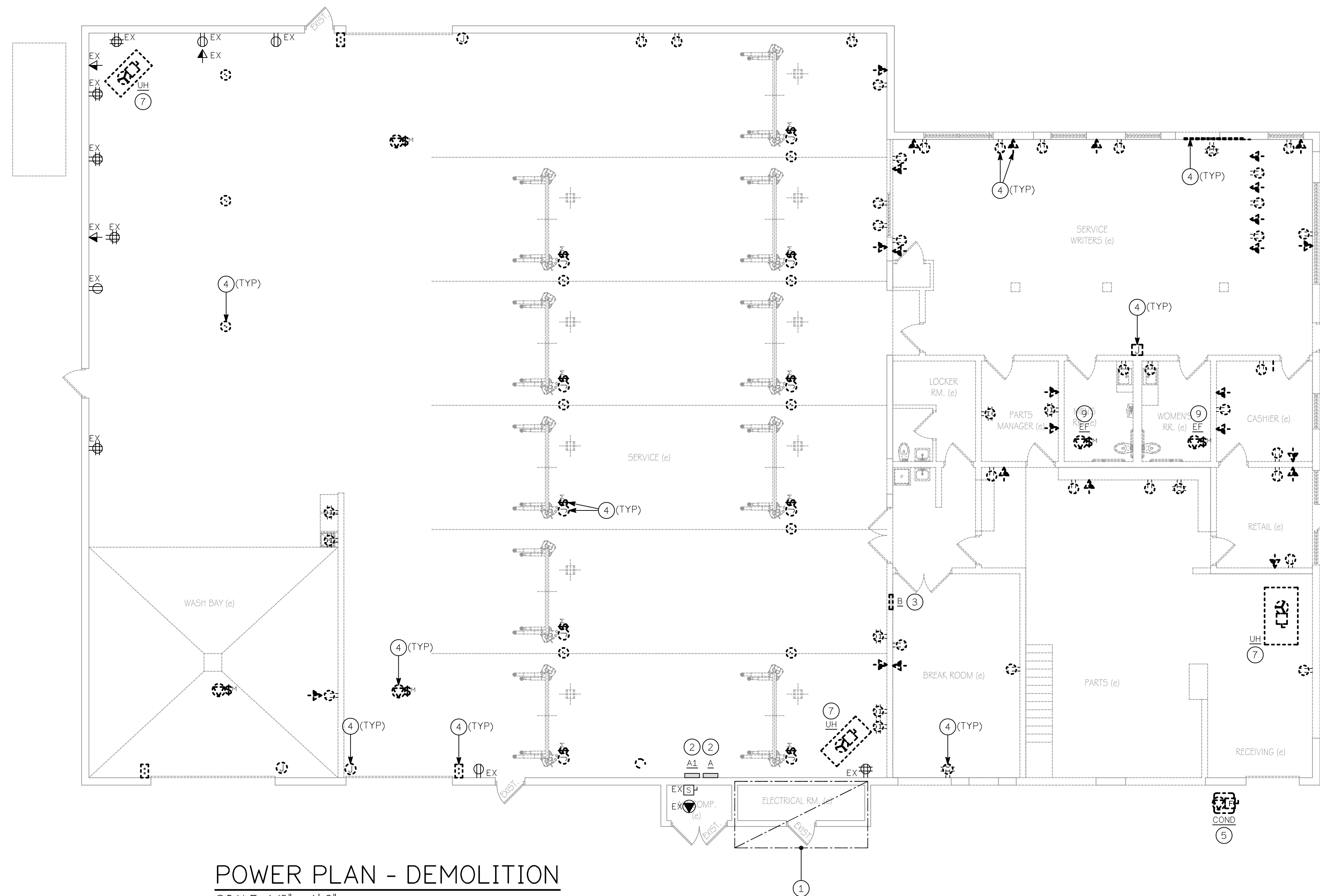
1. REMOVE ALL EXISTING LIGHTING FIXTURE AND ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE, COORDINATE EXTENT OF DEMOLITION IN THE FIELD.
2. REMOVE ALL EXISTING WALL SWITCHES AND ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE, COORDINATE EXTENT OF DEMOLITION IN THE FIELD.
3. REMOVE ALL EXISTING EMERGENCY EGRESS FIXTURES, EXIT SIGNS, ETC., AND ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE, COORDINATE EXTENT OF DEMOLITION IN THE FIELD.





POWER PART PLAN - MEZZANINE - DEMOLITION

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



POWER PLAN - DEMOLITION

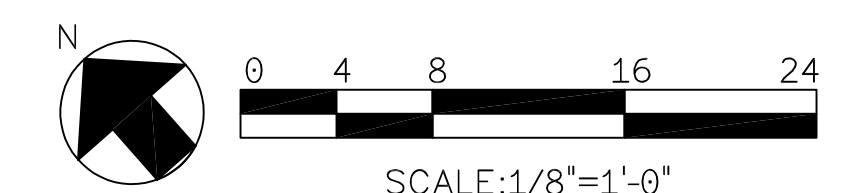
SCALE: 1/8" = 1'-0"

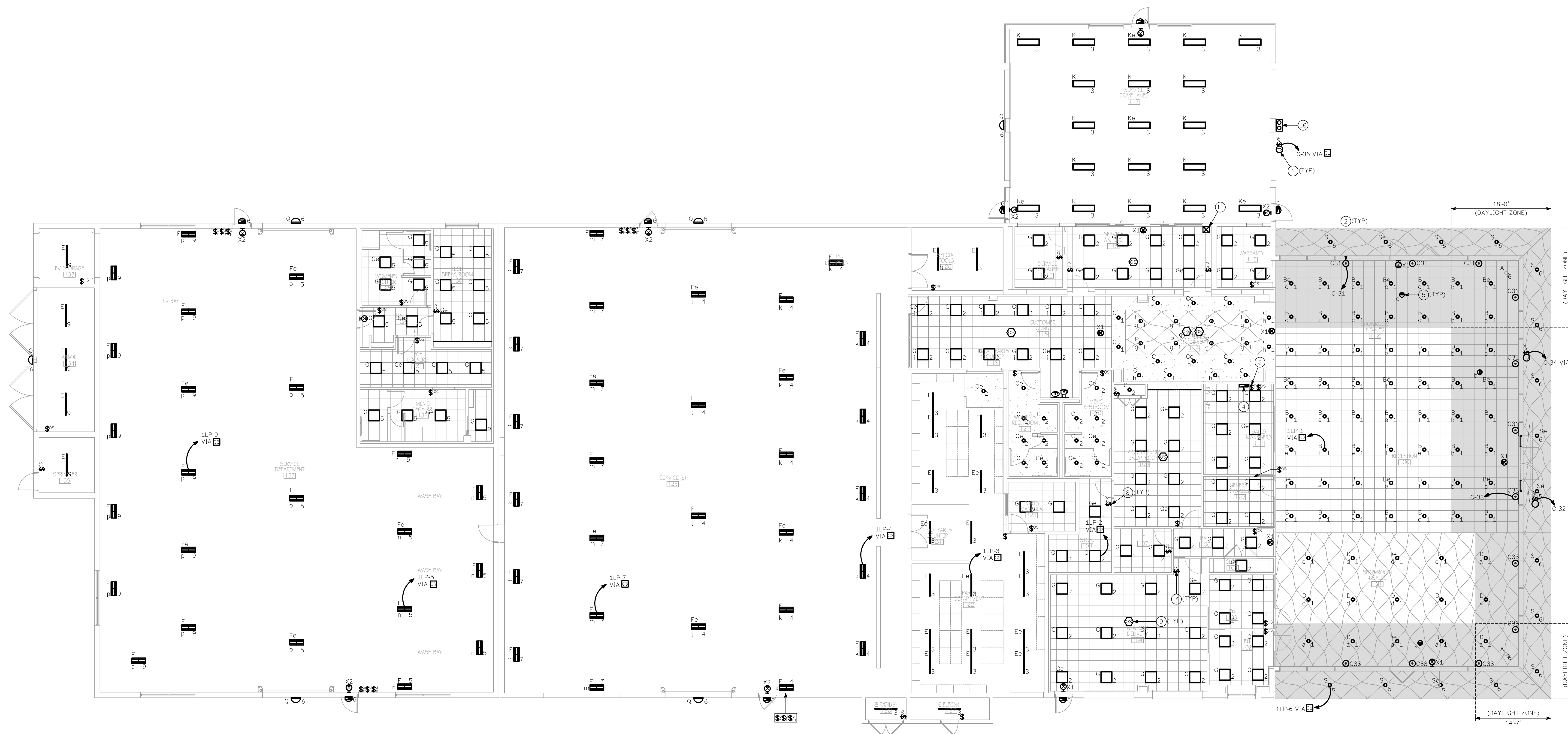
DEMOLITION POWER GENERAL NOTES

- A. ALL ACCESSIBLE ITEMS OF ELECTRICAL EQUIPMENT, RECEPTACLES, DEVICES, CONDUITS, WIRING, ETC. AFFECTED BY THE RENOVATION WORK AND NOT REQUIRED IN THE COMPLETED WORK SHALL BE CAREFULLY REMOVED. DAMAGED WALLS, FLOORS, CEILINGS, ETC. SHALL BE PATCHED AND FINISHED TO MATCH THE EXISTING ADJACENT SURFACES. REMOVED ITEMS SHALL BE PROPERLY DISPOSED OF OFF SITE AND NOT REUSED EXCEPT AS NOTED. TURN OVER ALL EXISTING EQUIPMENT DESIRED BY BUILDING OWNER.
- B. REMOVE ALL EXISTING CIRCUITS IN PANEL BOARDS NOT REQUIRED FOR COMPLETED WORK. UTILIZE EXISTING BREAKERS FOR NEW WORK SHOWN. PROVIDE NEW BREAKERS AS REQUIRED TO SERVE NEW CIRCUITS. LABEL ALL BREAKERS NOT USED AS SPARE.
- C. RECONNECT CIRCUITS AS REQUIRED TO MAINTAIN CONTINUITY TO EXISTING DEVICES AND EQUIPMENT NOTED TO REMAIN AS WELL AS ADJACENT AREAS WHICH ARE NOT IN CONTRACT.
- D. ALL EXISTING DEVICES (RECEPTACLES, TELEPHONE/DATA OUTLETS, ETC) ARE SHOWN LIGHT AND SOLID WITH AN "EX" SUBSCRIPT. ALL DEVICES TO BE REMOVED ARE SHOWN HEAVY AND DASHED.
- E. CONTRACTOR SHALL MARK ALL CIRCUITS MADE AVAILABLE DURING DEMOLITION AS SPARE FOR REUSE DURING NEW WORK PHASE.
- F. CONTRACTOR SHALL REMOVE ALL EXISTING DEVICES AND ASSOCIATED WIRING BACK TO SOURCE UNLESS OTHERWISE NOTED. COORDINATE EXTENT OF DEMOLITION IN THE FIELD.

POWER NOTES 1#

1. REFER TO POWER PART PLAN - MAIN ELECTRICAL ROOM, SHEET E-601 FOR ADDITIONAL INFORMATION ON THIS AREA.
2. EXISTING PANELBOARD TO REMAIN. REFER TO POWER RISER, SHEET E-601 FOR ADDITIONAL INFORMATION.
3. REMOVE EXISTING PANELBOARD AND ALL ASSOCIATED WIRING BACK TO SOURCE. CONTRACTOR SHALL MAINTAIN PANELBOARD FOR REUSE DURING NEW WORK PHASE. REFER TO POWER RISER, SHEET E-601 FOR ADDITIONAL INFORMATION.
4. REMOVE EXISTING DEVICE (RECEPTACLE, SPECIALTY RECEPTACLE, DATA/TELEPHONE OUTLET, ETC.), ELECTRICAL CONNECTION TO EQUIPMENT, ETC. AND ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE, COORDINATE EXTENT OF DEMOLITION IN THE FIELD.
5. DISCONNECT EXISTING CONDENSING UNIT (COND) AND REMOVE ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE, COORDINATE EXTENT OF DEMOLITION IN THE FIELD.
6. DISCONNECT EXISTING AIR HANDLING UNIT (AHU) AND REMOVE ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE, COORDINATE EXTENT OF DEMOLITION IN THE FIELD.
7. DISCONNECT EXISTING GAS/ELECTRIC UNIT HEATER (UH) AND REMOVE ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE, COORDINATE EXTENT OF DEMOLITION IN THE FIELD.
8. DISCONNECT EXISTING GAS WATER HEATER (GWH) AND REMOVE ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE, COORDINATE EXTENT OF DEMOLITION IN THE FIELD.
9. DISCONNECT EXISTING EXHAUST FAN (EF) AND REMOVE ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE, COORDINATE EXTENT OF DEMOLITION IN THE FIELD.





LIGHTING PLAN - NEW WORK

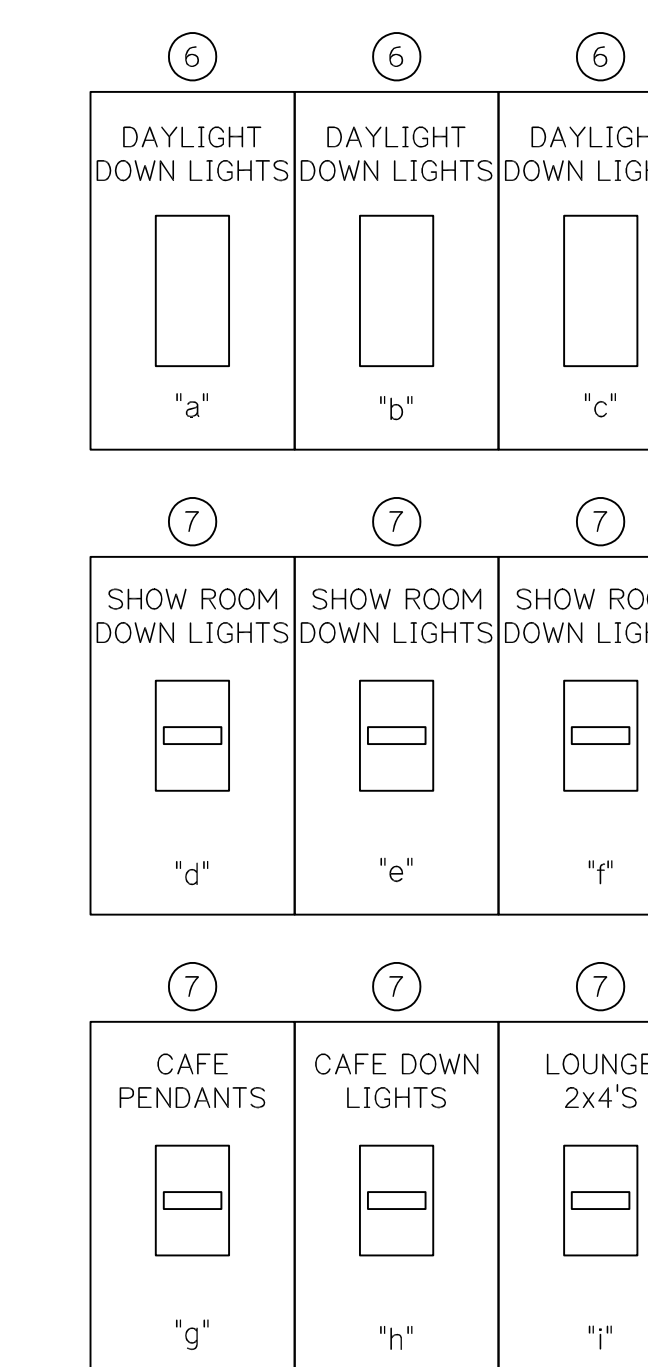
SCALE: 1/8" = 1'-0"

GENERAL NOTES

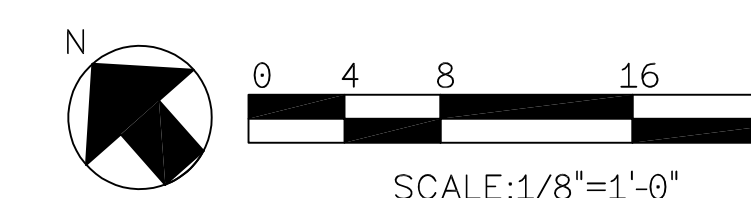
- A. ALL LIGHTING FIXTURES AND ASSOCIATED CONTROLS ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED. CONTRACTOR SHALL REWIRE EQUIPMENT AS REQUIRED TO ACCOMMODATE PROPOSED NEW ELECTRICAL DISTRIBUTION CONFIGURATION.
- B. ALL EMERGENCY EXIT LIGHTING FIXTURES, BATTERY BACK-UP FIXTURES, ASSOCIATED CONDUIT, AND WIRING ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED. CONTRACTOR SHALL REWIRE EQUIPMENT AS REQUIRED TO ACCOMMODATE PROPOSED NEW ELECTRICAL DISTRIBUTION CONFIGURATION.
- C. CONTRACTOR SHALL COORDINATE ALL WORK WITH OWNERS STANDARDS PRIOR TO START OF WORK. COORDINATE WITH OWNERS REPRESENTATIVE IN THE FIELD.
- D. CONNECT EXIT SIGNS, AND EMERGENCY FIXTURES, AND NIGHT LIGHT FIXTURES TO THE UN-SWITCHED PORTION OF LIGHTING CIRCUIT SERVING AREA.
- E. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR GRID COORDINATION AND EXACT LOCATION OF LIGHT FIXTURES.
- F. THE CONTRACTOR SHALL NOTE BRANCH CIRCUIT WIRING IS NOT SHOWN; HOWEVER, CIRCUIT NUMBERS ARE SHOWN ADJACENT TO FIXTURES IN SUBSCRIPTS. ALL OCCUPANCY SENSORS AND SWITCHES SHALL CONTROL FIXTURE WITHIN SPACE SHOWN OR AS DESIGNATED WITH SUBSCRIPTS. PROVIDE BRANCH CIRCUIT WIRING AS REQUIRED TO ACCOMMODATE BOTH BRANCH CIRCUIT CONFIGURATION AND SWITCHING SCHEME AS INDICATED. LOWER CASE SUBSCRIPTS ARE TO DESIGNATE CONTROL SCHEME. CONTRACTOR SHALL COORDINATE WIRING REQUIREMENTS WITH PROPOSED LIGHTING CONTROL PANELS PRIOR TO START OF WORK.
- G. ALL LIGHTING CIRCUITS NOT CONTROLLED BY OCCUPANCY SENSORS SHALL BE EXTEND VIA MECHANICALLY HELD CONTACTOR CONTROLLED BY TIME CLOCK FOR AUTOMATIC SHUT-OFF PER IECC REQUIREMENTS. CONTRACTOR SHALL UTILIZE EXISTING LIGHTING CONTACTOR AND ASSOCIATED TIME CLOCK MADE AVAILABLE DURING DEMOLITION AS REQUIRED.
- H. ALL LIGHTING FIXTURES EQUIPPED WITH AN EMERGENCY BATTERY BACK-UP BALLAST SHALL HAVE THE EMERGENCY BATTERY CONNECTED TO THE UN-SWITCHED PORTION OF THE LIGHTING CIRCUIT SERVING FIXTURE. IF THE FIXTURE IS MARKED TO BE A NIGHT LIGHT THE ENTIRE FIXTURE SHALL BE CONNECTED TO AN UN-SWITCHED LIGHTING CIRCUIT. IF THE FIXTURE IS TO BE SWITCHED THE CONTRACTOR SHALL PROVIDE BOTH SWITCHED AND UN-SWITCHED LIGHTING CIRCUIT LEGS AS REQUIRED. COORDINATE WIRING REQUIREMENTS WITH MANUFACTURER'S RECOMMENDATIONS.
- I. CONTRACTOR SHALL COORDINATE EXACT WALL SWITCH AND OCCUPANCY SENSOR MOUNTING LOCATION WITH OWNER'S REPRESENTATIVE IN THE FIELD PRIOR TO ROUGH-IN.
- J. IN AREAS/OFFICES SHOWN WITH CEILING MOUNTED OCCUPANCY AND/OR DAYLIGHT SENSORS AND IN-WALL MOUNTED SWITCHES, DIMMER SWITCHES, ETC. THE WALL MOUNTED SWITCHES SHALL BE FOR MANUAL OVERRIDE OF CEILING MOUNTED OCCUPANCY SENSOR. CONTRACTOR SHALL EXTEND BRANCH CIRCUIT WIRING FROM OCCUPANCY SENSOR TO SWITCH THEN TO FIXTURES CONTROLLED PER SWITCHING SCHEME REQUIREMENTS. COORDINATE EXACT WIRING REQUIREMENTS IN THE FIELD.

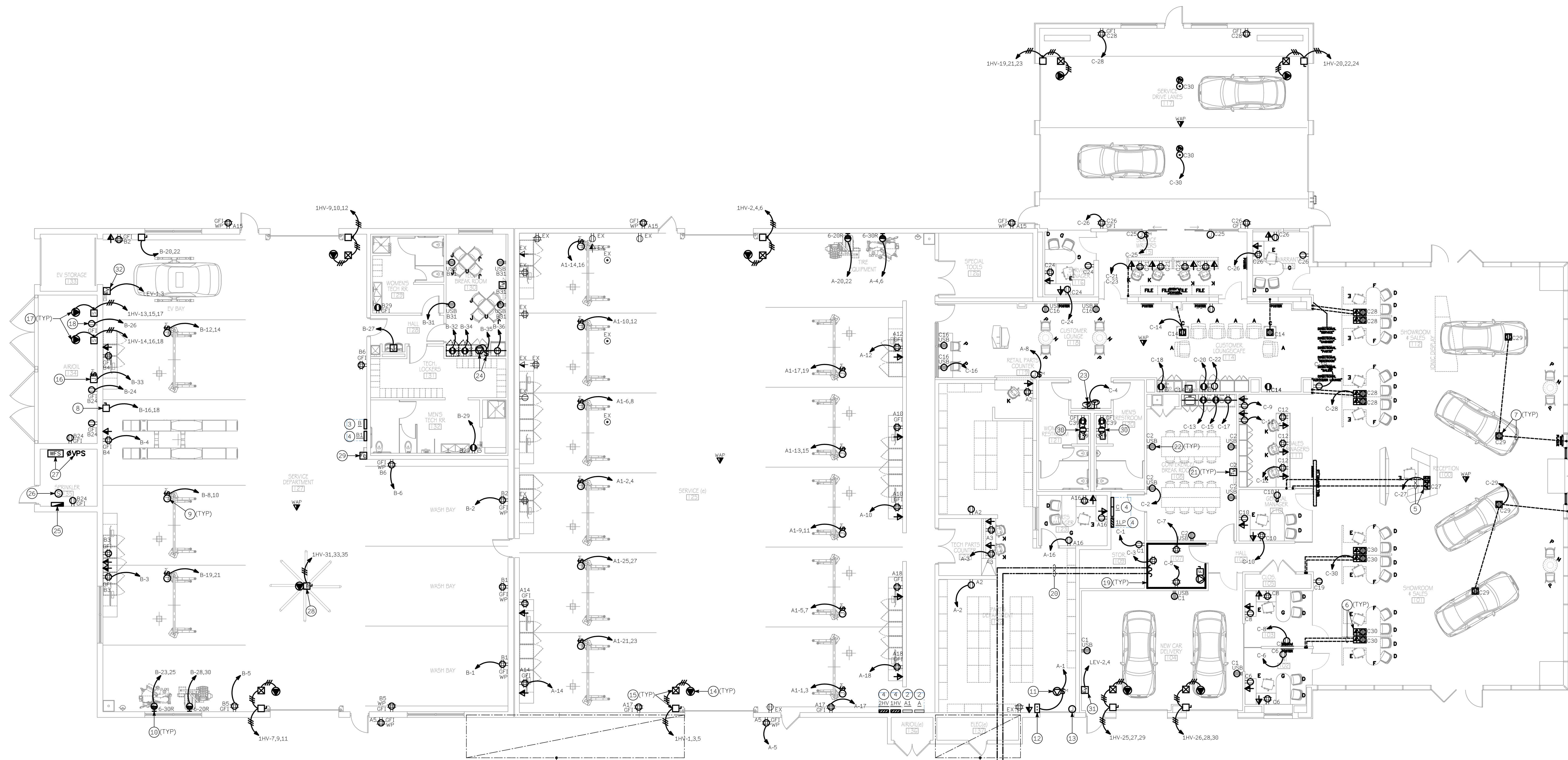
DRAWING NOTES

1. PROVIDE AND INSTALL NEW WEATHERPROOF JUNCTION BOX AND ASSOCIATED SNAP SWITCH FOR OWNER PROVIDED SIGNAGE. COORDINATE EXACT MOUNTING LOCATION IN THE FIELD.
2. PROVIDE CEILING MOUNTED DUPLEX RECEPTACLE FOR SHOW WINDOW LIGHTING PER N.E.C. REQUIREMENTS. COORDINATE EXACT MOUNTING LOCATION IN THE FIELD.
3. CONTRACTOR SHALL PROVIDE TIMER STYLE TWO HOUR OVER RIDE SWITCH FOR AFTER HOURS SERVICE. COORDINATE EXACT MOUNTING LOCATION IN THE FIELD. REFER TO OVER-RIDE DETAIL, SHEET E-501 FOR ADDITIONAL INFORMATION.
4. PROPOSED LIGHTING SWITCHBANK FOR CONTROL OF SHOW ROOM AND LOUNGE AREA LIGHT FIXTURES. COORDINATE EXACT MOUNTING LOCATION WITH OWNER'S REPRESENTATIVE IN THE FIELD. REFER TO SWITCHBANK DETAIL, THIS SHEET FOR ADDITIONAL INFORMATION, LAYOUT SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL COORDINATE SWITCH DE-RATING REQUIREMENTS WITH MANUFACTURER RECOMMENDATIONS PRIOR TO SWITCHBANK ROUGH-IN.
5. PROVIDE LUTRON WIRELESS DAYLIGHT SENSOR TO CONTROL SWITCH LEGS AS INDICATED. DAYLIGHT SENSOR SHALL OVERRIDE SWITCH CONTROL AND DIM TO PRESET LEVEL.
6. PROVIDE LUTRON MAESTRO WIRELESS DIMMER SWITCH. SWITCH SHALL INTERFACE WITH WIRELESS DAY LIGHT SENSOR AND/OR WIRELESS OCCUPANCY SENSOR AS REQUIRED. COORDINATE EXACT MODEL NUMBER WITH FIXTURE STYLE AND DIMMING REQUIREMENTS.
7. PROVIDE DIMMER SWITCH (LUTRON DIVA STYLE DIMMER OR APPROVED EQUAL) FOR CONTROL OF ZONE CONTROL AS INDICATED WITH LOWER-CASE SUBSCRIPTS. PROVIDE DIMMER CONTROL STYLE PER FIXTURE REQUIREMENTS.
8. PROVIDE WALL BOX MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR (LUTRON MODEL #MS-B102-WH OR APPROVED EQUAL). COORDINATE EXACT MOUNTING LOCATION IN THE FIELD.
9. PROVIDE CEILING MOUNTED, HARD-WIRED, DUAL TECHNOLOGY OCCUPANCY SENSOR (LUTRON #LOS-CDT-2000 AND UV-PP POWER PACK OR APPROVED EQUAL). COORDINATE EXACT MOUNTING LOCATION IN THE FIELD.
10. PROVIDE SIX (6) SWITCH TOGGLE CONTROL FOR LANE CONTROL SIGNALS. CONTRACTOR SHALL EXTEND BRANCH CIRCUIT/CONTROL WIRING FROM CONTROL SWITCH TO DIRECTIONAL SIGNAL AS REQUIRED. CIRCUIT #G-35
11. PROVIDE DIRECTIONAL SIGNAL MOUNTED ABOVE SERVICE DRIVE DOOR (COORDINATE EXACT STYLE AND MODEL NUMBER WITH OWNER'S REPRESENTATIVE). COORDINATE EXACT MOUNTING LOCATION IN THE FIELD.



SWITCHBANK DETAIL
NO SCALE





POWER PLAN - NEW WORK
SCALE: 1/8" = 1'-0"

GENERAL NOTES

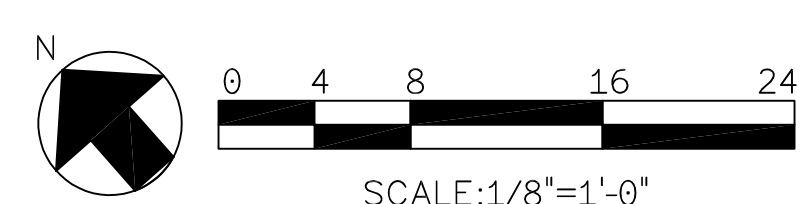
- A. ALL EXISTING DEVICES (RECEPTACLES, TELEPHONE/DATA OUTLETS, ETC) ARE SHOWN LIGHT AND SOLID WITH AN "EX" SUBSCRIPT. ALL NEW DEVICES ARE SHOWN HEAVY AND SOLID.
- B. ALL BRANCH CIRCUIT WIRING IS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL UTILIZE EXISTING SPARE CIRCUITS AND CIRCUITS MADE AVAILABLE DURING DEMOLITION. COORDINATE EXACT CIRCUIT REQUIREMENTS IN THE FIELD. IN THE EVENT WHERE ADDITIONAL CIRCUITS ARE REQUIRED THE CONTRACTOR SHALL PROVIDE SUB PANEL AS REQUIRED.
- C. THE CONTRACTOR SHALL NOTE BRANCH CIRCUIT WIRING IS NOT SHOWN; HOWEVER, CIRCUIT NUMBERS ARE SHOWN ADJACENT TO DEVICES IN SUBSCRIPTS. NUMERICAL SUBSCRIPT INDICATES BRANCH CIRCUIT BREAKER NUMBER. ALL WIRING SHALL BE PROVIDED TO INDICATED PANELBOARD OR HOMERUN DESIGNATION.
- D. ALL DEVICES ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED. CONTRACTOR SHALL REWIRE EQUIPMENT AS REQUIRED TO ACCOMMODATE PROPOSED NEW ELECTRICAL DISTRIBUTION CONFIGURATION. COORDINATE EXTENT OF DEMOLITION IN THE FIELD.
- E. ALL MECHANICAL EQUIPMENT IS EXISTING TO REMAIN UNLESS OTHERWISE NOTED. CONTRACTOR SHALL REWIRE EQUIPMENT AS REQUIRED TO ACCOMMODATE PROPOSED NEW ELECTRICAL DISTRIBUTION CONFIGURATION. COORDINATE EXTENT OF DEMOLITION IN THE FIELD.
- F. COORDINATE FINAL LOCATIONS OF EQUIPMENT PRIOR TO ROUGH-IN. CONTRACTOR SHALL COORDINATE ALL EQUIPMENT ELECTRICAL CONNECTION REQUIREMENTS WITH OWNER PROVIDED EQUIPMENT, EQUIPMENT VENDOR, AND GENERAL CONTRACTOR PRIOR TO START OF WORK.
- G. COORDINATE DEVICE LOCATIONS IN MILLWORK AND/OR FIXTURE WITH ARCHITECTS PLANS PRIOR TO ROUGH-IN.
- H. CONTRACTOR SHALL COORDINATE ALL WORK WITH OWNERS STANDARDS PRIOR TO START OF WORK. COORDINATE WITH OWNERS REPRESENTATIVE IN THE FIELD.
- I. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS OF ALL MECHANICAL EQUIPMENT IN THE FIELD.
- J. CONTRACTOR SHALL COORDINATE ALL DEVICE LOCATIONS, MOUNTING HEIGHTS, AND STYLES WITH EQUIPMENT VENDOR AND OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.
- K. CONTRACTOR SHALL COORDINATE ALL NEW HVAC EQUIPMENT LOCATIONS PRIOR TO START OF WORK. COORDINATE ALL ELECTRICAL CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR IN THE FIELD.
- L. HVAC ROOFTOP UNITS (RTU) ARE PROVIDED WITH INTEGRAL POWERED GFI PROTECTED WEATHERPROOF SERVICE RECEPTACLES PER N.E.C. REQUIREMENTS. REVIEWER SHALL NOTE THAT SERVICE RECEPTACLE IS POWERED THROUGH AN INTEGRAL TRANSFORMER ON THE LINE SIDE OF THE SERVICE DISCONNECT.
- M. SPRINKLER MONITORING EQUIPMENT SHOWN FOR PERFORMANCE SPECIFICATION ONLY. FINAL SPRINKLER MONITORING DESIGN, SHOP DRAWINGS, AND CALCULATIONS SHALL BE PROVIDED AND CERTIFIED BY LICENSED FIRE PROTECTION ENGINEER.

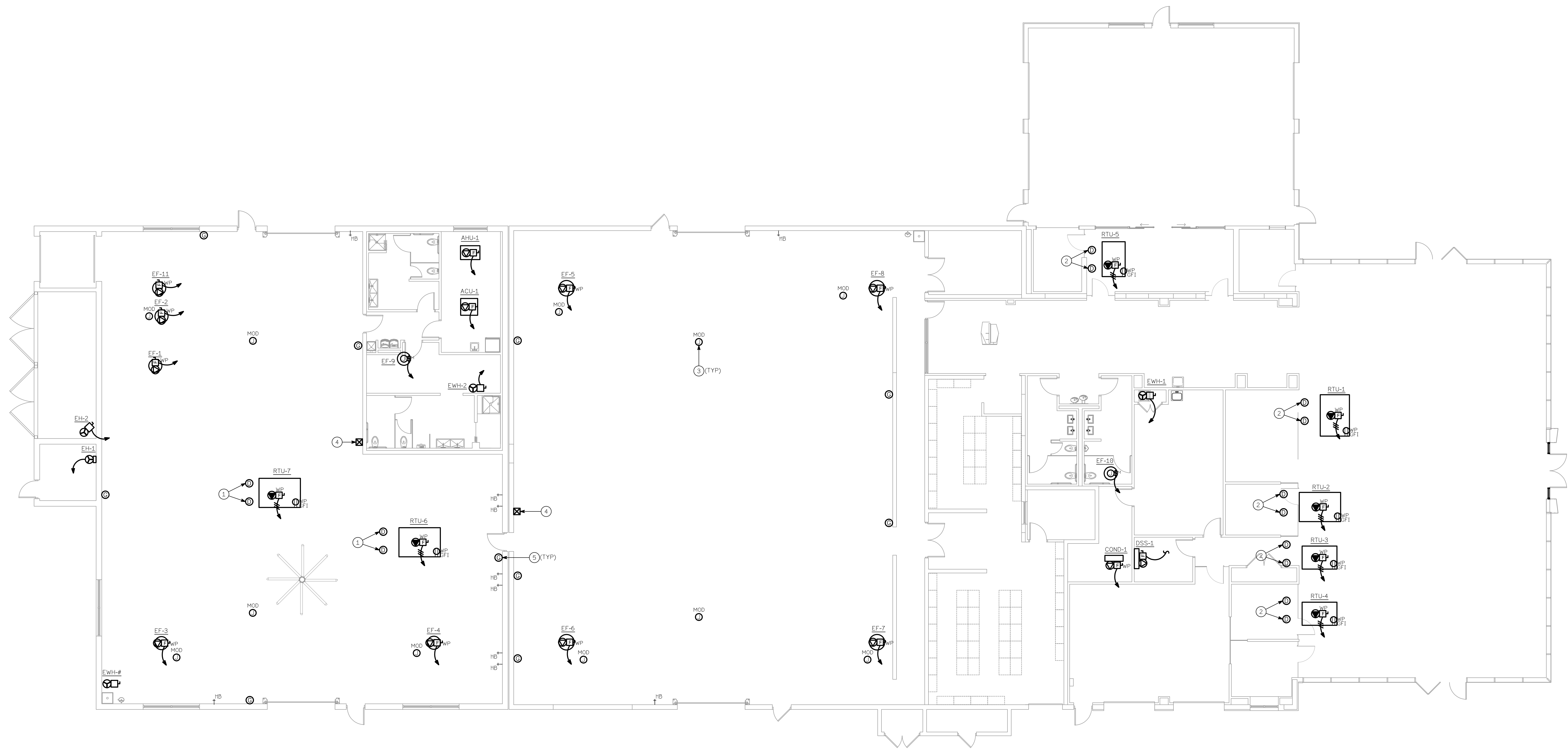
NOTE:
ALL WIRING, PANELBOARD, AND DEVICES IN SERVICE SHOP AREAS SHALL BE INSTALLED IN ACCORDANCE WITH N.E.C. ARTICLE 511. ALL 15 AND 20 AMP RECEPTACLES LOCATED IN THE SERVICE AREA SHALL BE GFI PROTECTED.

NOTE:
ALL EQUIPMENT CONNECTIONS, RECEPTACLES, AND TELEPHONE/DATA DEVICES IN SERVICE AREA SHALL BE MOUNTED A MINIMUM OF 24" ABOVE FINISHED FLOOR. CONTRACTOR SHALL COORDINATE EXACT MOUNTING LOCATION AND HEIGHT WITH AMSI STANDARDS, AND OWNER'S REPRESENTATIVE IN THE FIELD. ALL DEVICES, ROUGH-INS, CONDUITS, ETC. SHALL BE RECESSED WITHIN WALLS UNLESS OTHERWISE REQUIRED BY EQUIPMENT MANUFACTURER.

DRAWING NOTES

1. REFER TO POWER PART PLAN - MAIN ELECTRICAL ROOM, SHEET E-601 FOR ADDITIONAL INFORMATION ON THIS AREA.
2. EXISTING PANELBOARD TO REMAIN. REFER TO POWER RISER, SHEET E-601 FOR ADDITIONAL INFORMATION.
3. PROPOSED LOCATION OF RELOCATED PANELBOARD MADE AVAILABLE DURING DEMOLITION. COORDINATE EXACT MOUNTING LOCATION IN THE FIELD. REFER TO POWER RISER, SHEET E-601 FOR ADDITIONAL INFORMATION.
4. PROPOSED LOCATION OF NEW PANELBOARD, REFER TO POWER RISER, SHEET E-601 FOR ADDITIONAL INFORMATION.
5. PROVIDE IN-FLOOR DOUBLE DUPLEX RECEPTACLE AND DOUBLE TELEPHONE/DATA OUTLET. DEVICES SHALL BE FLUSH TO FLOOR IN RECESSED FLOOR BOX (WIREMOLD RFB4R25-0G SERIES OR APPROVED EQUAL) WITH A BRUSHED ALUMINUM COVER PLATE. CONTRACTOR SHALL EXTEND TWO (2) 2" CONDUITS TO NEAREST FULL HEIGHT WALL. EXTEND TO CEILING SPACE FOR CABLING. PROVIDE PULL STRING IN LOW VOLTAGE CONDUIT FOR TELEPHONE/DATA CABLING BY OTHERS. CONTRACTOR SHALL SAW CUT FLOOR SLAB (IF INSTALLED AFTER FLOOR INSTALLATION) AND PATCH TO MATCH EXISTING SURFACE AFTER CONDUIT ROUTING IS COMPLETE. COORDINATE EXACT DEVICE LOCATION AND CONDUIT ROUTING WITH ARCHITECT IN THE FIELD.
6. PROVIDE IN-FLOOR DUPLEX RECEPTACLE AND TELEPHONE/DATA OUTLET. DEVICES SHALL BE FLUSH TO FLOOR IN RECESSED FLOOR BOX (WIREMOLD RFB2R25-0G SERIES OR APPROVED EQUAL) WITH A BRUSHED ALUMINUM COVER PLATE. CONTRACTOR SHALL EXTEND TWO (2) 2" CONDUITS TO NEAREST FULL HEIGHT WALL. EXTEND TO CEILING SPACE FOR CABLING. PROVIDE PULL STRING IN LOW VOLTAGE CONDUIT FOR TELEPHONE/DATA CABLING BY OTHERS. CONTRACTOR SHALL SAW CUT FLOOR SLAB (IF INSTALLED AFTER FLOOR INSTALLATION) AND PATCH TO MATCH EXISTING SURFACE AFTER CONDUIT ROUTING IS COMPLETE. COORDINATE EXACT DEVICE LOCATION AND CONDUIT ROUTING WITH ARCHITECT IN THE FIELD.
7. PROVIDE FLUSH IN-FLOOR STYLE DUPLEX RECEPTACLE. DEVICES SHALL BE FLUSH TO FLOOR IN RECESSED FLOOR BOX (WIREMOLD RFB2R25-0G SERIES OR APPROVED EQUAL) WITH A BRUSHED ALUMINUM COVER PLATE. CONTRACTOR SHALL EXTEND ONE (1) 1-1/4" CONDUIT TO NEAREST FULL HEIGHT WALL. EXTEND TO CEILING SPACE FOR CABLING. CONTRACTOR SHALL SAW CUT FLOOR SLAB (IF INSTALLED AFTER FLOOR INSTALLATION) AND PATCH TO MATCH EXISTING SURFACE AFTER CONDUIT ROUTING IS COMPLETE. COORDINATE EXACT DEVICE LOCATION AND CONDUIT ROUTING WITH ARCHITECT IN THE FIELD.
8. PROVIDE 240V RATED, 2P30A SAFETY DISCONNECT SWITCH FOR CONNECTION TO ALIGNMENT LIFT. EXTEND 2#10-#16GRD-3/4" CDT TO CIRCUIT AS INDICATED. COORDINATE FINAL LIFT CONNECTION REQUIREMENTS AND LOCATION WITH LIFT MANUFACTURER'S REPRESENTATIVE IN THE FIELD. CONTRACTOR SHALL MAKE FINAL CONNECTIONS AS REQUIRED.
9. PROVIDE 240V RATED, 2P25A WHIP STYLE ELECTRICAL CONNECTION TO ABOVE GROUND SERVICE LIFT. EXTEND 2#10-#16GRD-3/4" CDT TO CIRCUIT AS INDICATED. COORDINATE FINAL LIFT CONNECTION REQUIREMENTS AND LOCATION WITH LIFT MANUFACTURER'S REPRESENTATIVE IN THE FIELD. CONTRACTOR SHALL MAKE FINAL CONNECTIONS AS REQUIRED.
10. CONTRACTOR SHALL PROVIDE SPECIALTY RECEPTACLE FOR OWNER PROVIDED SERVICE EQUIPMENT. COORDINATE EXACT RECEPTACLE MODEL WITH MANUFACTURER RECOMMENDATIONS AND EQUIPMENT VENDOR PRIOR TO ROUGH-IN. CIRCUIT AS INDICATED ON PLANS.
11. PROVIDE 120V CONNECTION TO POWERED GARAGE DOOR (120V, 1Ø, 1/2 HP). COORDINATE EXACT CONNECTION REQUIREMENTS AND LOCATION IN THE FIELD.
12. PROVIDE PUSH BUTTON CONTROL FOR NEW ROLL-UP GARAGE DOORS. COORDINATE EXACT MOUNTING LOCATION WITH OWNER'S REPRESENTATIVE IN THE FIELD. CONTRACTOR SHALL PROVIDE ALL REQUIRED CIRCUIT WIRING.
13. PROVIDE JUNCTION BOX FOR ROLL-UP DOOR SAFETY SENSOR. MOUNT JUNCTION BOX 24" A.F.F. CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS WITH DOOR MANUFACTURER PRIOR TO ROUGH-IN.
14. CONTRACTOR SHALL MAKE ALL CONNECTIONS TO HIGH SPEED DOOR (480V, 3Ø, 2 HP). COORDINATE EXACT CONNECTION REQUIREMENTS WITH DOOR MANUFACTURER IN THE FIELD.
15. PROPOSED GARAGE DOOR CONTROL PANEL PROVIDED WITH GARAGE DOOR. PROVIDE 600V RATED, 3P30A SAFETY DISCONNECT SWITCH AS REQUIRED. COORDINATE EXACT MOUNTING LOCATION AND ALL WIRING AND CONNECTION REQUIREMENTS WITH EQUIPMENT VENDOR IN THE FIELD.
16. PROVIDE 120V CONNECTION FOR VENDOR PROVIDED AIR DRYER. COORDINATE EXACT MOUNTING LOCATION AND CONNECTION REQUIREMENTS WITH EQUIPMENT VENDOR IN THE FIELD. CIRCUIT AS INDICATED ON PLANS.
17. PROPOSED LOCATION OF NEW DUPLEX AIR COMPRESSOR (TWO (2) - 480V, 3Ø, 15 HP MOTORS). CONTRACTOR SHALL PROVIDE NEW 600V RATED 3P60A DISCONNECT SWITCHES FUSED @ 30 AMPS FOR MOTOR OVER-CURRENT PROTECTION. COORDINATE EXACT MOUNTING LOCATION AND WIRING REQUIREMENTS WITH EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
18. PROVIDE GFI PROTECT DUPLEX RECEPTACLE TO VENDOR PROVIDED ELECTRIC DRAIN. COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS WITH EQUIPMENT VENDOR PRIOR TO ROUGH-IN. CIRCUIT AS INDICATED ON PLANS.
19. PROPOSED LOCATION OF NEW FLOOR TO CEILING, FIRE TREATED, 3/4" THICK PLYWOOD BACKBOARD FOR PROPOSED I.T. EQUIPMENT. CONTRACTOR SHALL PAINT BACKBOARD TO MATCH ADJACENT FINISH. COORDINATE EXTENT OF BACKBOARD COVERAGE WITH OWNER'S REPRESENTATIVE IN THE FIELD.
20. EXTEND TWO (2) 4" CONDUITS BELOW GRADE TO 5'-0" BEYOND BUILDING EXTERIOR OF WORK WALL FOR INCOMING TELEPHONE SERVICE CABLING. COORDINATE EXACT CONDUIT ROUTING AND TERMINATION LOCATION WITH OWNER I.T. REPRESENTATIVE IN THE FIELD PRIOR TO ROUGH-IN.
21. PROVIDE WALL MOUNTED COMBINATION DUPLEX RECEPTACLE AND HDMI/COAX OUTLET FOR OWNER PROVIDED T.V. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH OWNER'S REPRESENTATIVE IN THE FIELD. REFER TO DETAIL, SHEET E-601 FOR ADDITIONAL INFORMATION.
22. CONTRACTOR SHALL PROVIDE AND INSTALL NEW DUPLEX RECEPTACLE WITH COMBINATION USB-A/USB-C OUTLETS (HUBBELL MODEL #USB20AC5WWR OR APPROVED EQUAL). COORDINATE EXACT MOUNTING LOCATION IN THE FIELD.
23. PROVIDE GFCI PROTECTED 120V CIRCUIT TO PROPOSED WATER FOUNTAIN. CONTRACTOR SHALL COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS WITH MANUFACTURER RECOMMENDATIONS IN THE FIELD PRIOR TO ROUGH-IN. CIRCUIT AS INDICATED ON PLANS.
24. PROVIDE GFCI PROTECTED 120V CIRCUIT WITH LOCAL WALL SWITCH STYLE DISCONNECTING MEANT TO PROPOSED GARBAGE DISPOSAL. CONTRACTOR SHALL COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS WITH MANUFACTURER RECOMMENDATIONS IN THE FIELD PRIOR TO ROUGH-IN. CIRCUIT AS INDICATED ON PLANS.
25. PROPOSED LOCATION OF SPRINKLER MONITORING PANEL. CONTRACTOR SHALL PROVIDE ALL ASSOCIATED WIRING, DEVICE, AND EQUIPMENT REQUIRED TO INSTALL A FULLY FUNCTIONAL SYSTEM. REFER TO SPRINKLER MONITORING RISER, SHEET E-601 FOR ADDITIONAL INFORMATION. CIRCUIT #B-31.
26. PROVIDE CEILING MOUNTED SMOKE DETECTOR MOUNTED ABOVE SPRINKLER CONTROL PANEL. COORDINATE EXACT MOUNTING LOCATION IN THE FIELD.
27. PROPOSED LOCATION OF SPRINKLER WATER FLOW AND TAMPER SWITCHES. CONTRACTOR SHALL PROVIDE ALL MONITORING CONNECTIONS AS REQUIRED.
28. CONTRACTOR SHALL PROVIDE 480V/3Ø, 15A ELECTRICAL CONNECTION TO PROPOSED AIR CIRCULATION FAN. COORDINATE EXACT WIRING REQUIREMENTS, CONTROLS, ETC. WITH MANUFACTURER PRIOR TO ROUGH-IN. CIRCUIT AS INDICATED ON PLANS.
29. PROPOSED LOCATION OF AIR CIRCULATION FAN WALL CONTROL. COORDINATE EXACT MOUNTING LOCATION WITH OWNER AND EXACT WIRING REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY MATERIAL FOR A COMPLETE AND FUNCTIONAL INSTALLATION. COORDINATE EXTENT OF WORK IN THE FIELD.
30. CONTRACTOR SHALL PROVIDE DUPLEX RECEPTACLE FOR OWNER PROVIDED SOAP DISPENSER. COORDINATE EXACT MOUNTING LOCATION AND WIRING REQUIREMENTS WITH MANUFACTURER RECOMMENDATIONS IN THE FIELD.
31. PROPOSED LOCATION OF OWNER PROVIDED SINGLE HEAD (4), WALL MOUNTED, LEVEL TWO STYLE VEHICLE CHARGING KIOSK (CHARGE POINT MODEL #CPH50 - 208V, 1Ø, 50A MCA, 80A LOCK OFF STYLE MOCF - 12.0 KW OUTPUT @240V/1Ø). CONTRACTOR SHALL EXTEND (3 #3 + #8 GRD - 2" CDT-MINIMUM) TO CIRCUIT AS INDICATED ON PLANS. COORDINATE EXACT MOUNTING LOCATION, CONDUIT ROUTING, AND TERMINATION LOCATION IN THE FIELD. INSTALLATION OF CAR CHARGING STATIONS, EQUIPMENT, WIRING, AND ASSOCIATED GROUNDING SHALL COMPLY WITH NEC ARTICLE 625.
32. PROPOSED LOCATION OF OWNER PROVIDED SINGLE HEAD (4), WALL MOUNTED, LEVEL TWO STYLE VEHICLE CHARGING KIOSK (CHARGE POINT MODEL #CPH50 - 208V, 1Ø, 50A MCA, 80A LOCK OFF STYLE MOCF - 12.0 KW OUTPUT @240V/1Ø). CONTRACTOR SHALL EXTEND (3 #3 + #8 GRD - 2" CDT-MINIMUM) TO CIRCUIT AS INDICATED ON PLANS. COORDINATE EXACT MOUNTING LOCATION, CONDUIT ROUTING, AND TERMINATION LOCATION IN THE FIELD. INSTALLATION OF CAR CHARGING STATIONS, EQUIPMENT, WIRING, AND ASSOCIATED GROUNDING SHALL COMPLY WITH NEC ARTICLE 625.





POWER PLAN - MECHANICAL - NEW WORK

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

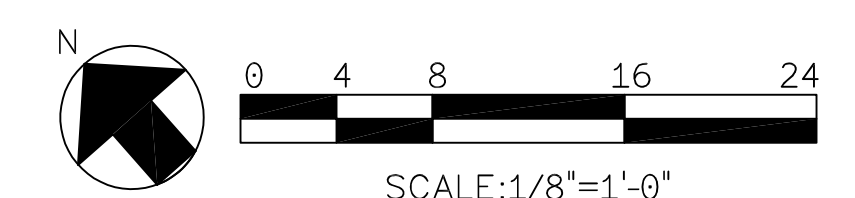
UNIT	UNIT MCA	UNIT MOCP	UNIT VOLTS/Ø	CONDUCTORS	CIRCUIT NUMBER	NOTES
RTU-1	22.8	25	480V 3Ø	3#10+Ø10 GRD IN 3/4" CDT	2HW-1,3,5	7.5 TON
RTU-2	18.8	25	480V 3Ø	3#10+Ø10 GRD IN 3/4" CDT	2HW-2,4,6	6.0 TON
RTU-3	23.9	30	480V 3Ø	3#10+Ø10 GRD IN 3/4" CDT	2HW-7,9,11	3.0 TON
RTU-4	12.9	15	480V 3Ø	3#12+Ø12 GRD IN 3/4" CDT	2HW-8,10,12	3.0 TON
RTU-5	16.5	20	480V 3Ø	3#12+Ø12 GRD IN 3/4" CDT	2HW-1,3,15,17	5.0 TON
RTU-6	27.8	30	480V 3Ø	3#10+Ø10 GRD IN 3/4" CDT	2HW-14,16,18	10.0 TON
RTU-7	23.5	25	480V 3Ø	3#10+Ø10 GRD IN 3/4" CDT	2HW-19,21,23	8.5 TON
AHU-1	1.0	15	208V 1Ø	2#12+Ø12 GRD IN 1/2" CDT	B1-6,8	ABV CLING
ACU-1	17.0	25	208V 1Ø	2#10+Ø10 GRD IN 3/4" CDT	B1-10,12	ON ROOF
DSS-1	-	-	208V 1Ø	2#10+Ø10 GRD IN 3/4" CDT	FROM COND-1	INDOOR
COND-1	11.0	25	208V 1Ø	2#10+Ø10 GRD IN 3/4" CDT	A-24,26	ON ROOF
EF-1	4.4	20	120V 1Ø	2#12+Ø12 GRD IN 1/2" CDT	B1-1	1/6 HP
EF-2	5.3	20	120V 1Ø	2#12+Ø12 GRD IN 1/2" CDT	B1-2	1/4 HP
EF-3	5.3	20	120V 1Ø	2#12+Ø12 GRD IN 1/2" CDT	B1-3	1/4 HP
EF-4	5.3	20	120V 1Ø	2#12+Ø12 GRD IN 1/2" CDT	B1-4	1/4 HP
EF-5	5.3	20	120V 1Ø	2#12+Ø12 GRD IN 1/2" CDT	A-27	1/4 HP
EF-6	5.3	20	120V 1Ø	2#12+Ø12 GRD IN 1/2" CDT	A-29	1/4 HP
EF-7	5.3	20	120V 1Ø	2#12+Ø12 GRD IN 1/2" CDT	A-31	1/4 HP
EF-8	5.3	20	120V 1Ø	2#12+Ø12 GRD IN 1/2" CDT	A-33	1/4 HP
EF-9	4.4	20	120V 1Ø	2#12+Ø12 GRD IN 1/2" CDT	B1-5	1/6 HP
EF-10	4.4	20	120V 1Ø	2#12+Ø12 GRD IN 1/2" CDT	C-40	1/6 HP
EF-11	4.4	20	120V 1Ø	2#12+Ø12 GRD IN 1/2" CDT	C-42	1/6 HP
EH-1	17.3	25	277V 1Ø	2#10+Ø10 GRD IN 1/2" CDT	IHW-32	4.8 KW
EH-2	18.0	25	277V 1Ø	2#10+Ø10 GRD IN 1/2" CDT	IHW-34	5.0 KW
EWH-1	16.3	25	277V 1Ø	2#10+Ø10 GRD IN 1/2" CDT	IHW-36	4.5 KW
EWH-2	16.3	25	277V 1Ø	2#10+Ø10 GRD IN 1/2" CDT	IHW-38	4.5 KW

DRAWING NOTES ①#

- PROVIDE 120V CONNECTION TO DUCT MOUNTED SMOKE DETECTOR PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. COORDINATE EXACT MOUNTING LOCATION AND CONNECTION REQUIREMENTS IN THE FIELD. CIRCUIT #A-19.
- PROVIDE 120V CONNECTION TO DUCT MOUNTED SMOKE DETECTOR PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. COORDINATE EXACT MOUNTING LOCATION AND CONNECTION REQUIREMENTS IN THE FIELD. CIRCUIT #C-37.
- PROVIDE 120V CONNECTION TO MOTOR OPERATED DAMPERS PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. COORDINATE EXACT MOUNTING LOCATION AND CONNECTION REQUIREMENTS IN THE FIELD. CIRCUIT #A-21.
- GAS DETECTION SENSOR CONTROL PANEL. PROVIDE 120V ELECTRICAL CONNECTION TO CONTROL PANEL AS REQUIRED. COORDINATE EXACT MOUNTING LOCATION AND CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR. CIRCUIT #A-23.
- PROVIDE ELECTRICAL CONNECTION TO WALL MOUNTED GAS DETECTION SENSORS (G). CONTRACTOR SHALL PROVIDE DEVICE AS REQUIRED. COORDINATE EXACT MOUNTING LOCATION IN THE FIELD. CIRCUIT #A-25.

NOTE:
ALL WIRING, PANELBOARD, AND DEVICES IN SERVICE SHOP AREAS SHALL BE INSTALLED IN ACCORDANCE WITH N.E.C. ARTICLE 511. ALL 15 AND 20 AMP RECEPTACLES LOCATED IN THE SERVICE AREA SHALL BE GFI PROTECTED.

NOTE:
ALL EQUIPMENT CONNECTIONS, RECEPTACLES, AND TELEPHONE/DATA DEVICES IN SERVICE AREA SHALL BE MOUNTED A MINIMUM OF 24" ABOVE FINISHED FLOOR. CONTRACTOR SHALL COORDINATE EXACT MOUNTING LOCATION AND HEIGHT WITH AMSI STANDARDS, AND OWNER'S REPRESENTATIVE IN THE FIELD. ALL DEVICES, ROUGH-INS, CONDUITS, ETC. SHALL BE RECESSED WITHIN WALLS UNLESS OTHERWISE REQUIRED BY EQUIPMENT MANUFACTURER.



COMcheck Software Version COMcheckWeb
Interior Lighting Compliance Certificate

Project Information
 Energy Code: 2018 IECC
 Project Title: CMA Hyundai
 Project Type: Alteration
 Owner/Agent: CMA Hyundai
 Designer/Contractor:

Construction Site: 3951 VALLEY PIKE WINCHESTER, Virginia
 Owner/Agent: CMA Hyundai
 Designer/Contractor:

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts
1-Retail	23992	1.06	25432
		Total Allowed Watts = 25432	

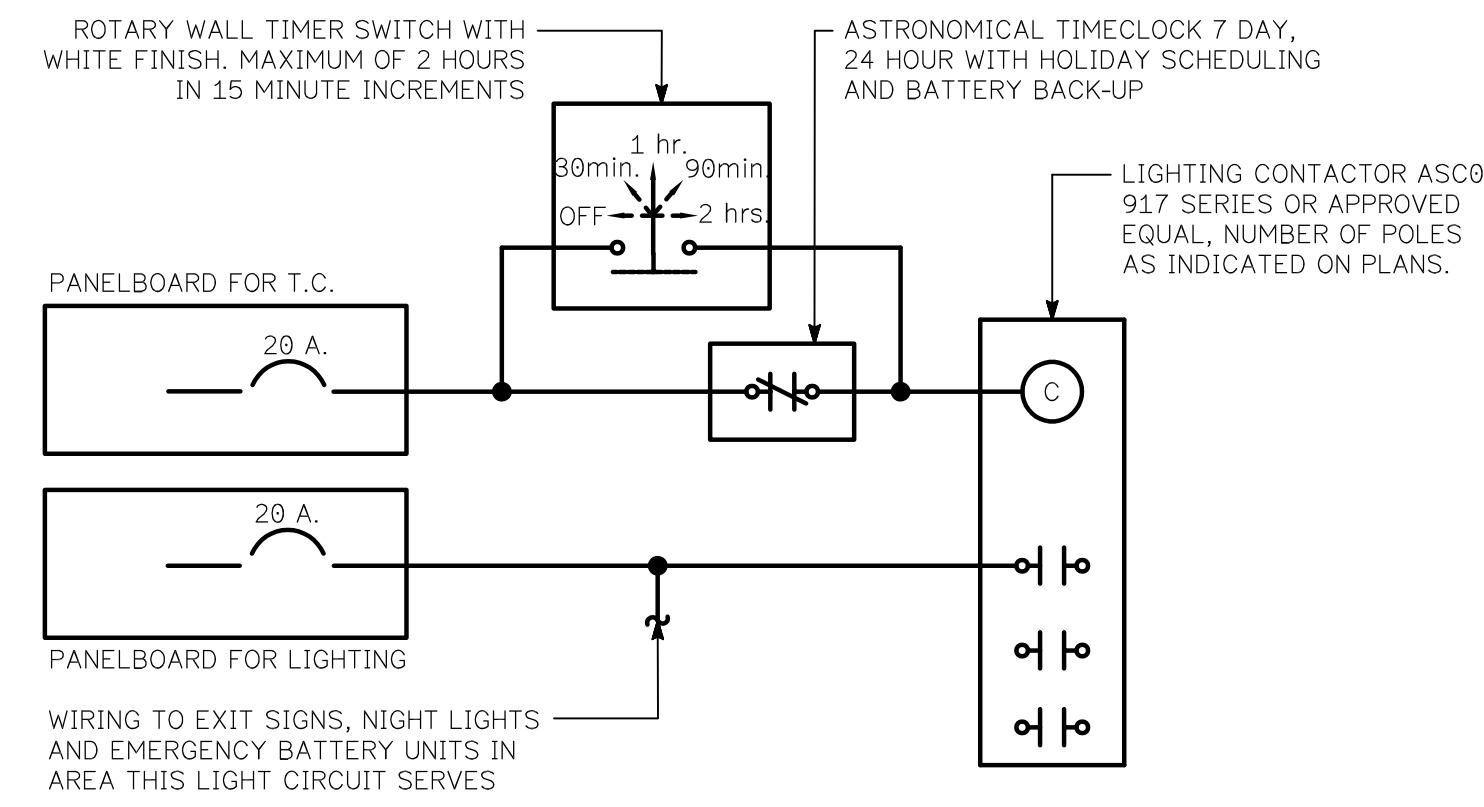
Proposed Interior Lighting Power

Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Watt. (C X D)	E
Retail (23992 sq.ft.)				
A: Other:	1	2	22	44
B: Other:	1	56	42	2352
C: Other:	1	26	25	650
D: Other:	1	15	42	630
E: Other:	1	24	36	864
F: Other:	1	52	213	11076
G: Other:	1	96	36	3456
H: Other:	1	19	89	1691
I: Other:	1	8	14	112
		Total Proposed Watts =		20875

Interior Lighting PASSES
Interior Lighting Compliance Statement
 Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Matt Bayer
 Name - Title: *Matt Bayer* Signature Date: 2023.06.07

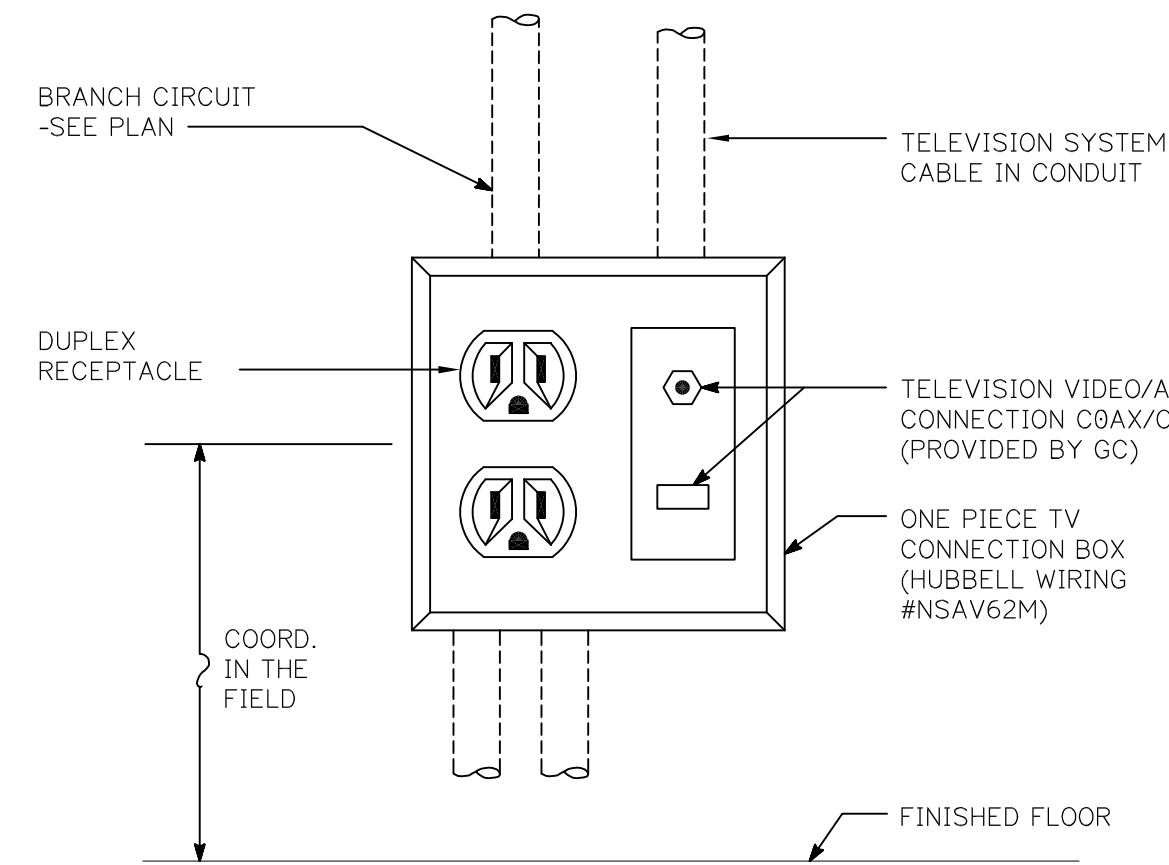
Project Title: CMA Hyundai
 Data filename: Report date: 06/07/23
 Page 1 of 5



NOTE: FURNISH AND INSTALL PER INTERNATIONAL ENERGY CONSERVATION CODE

CONTRACTOR NOTE: DETAIL LAYOUT IS SHOWN AS A TYPICAL LIGHTING CONTACTOR AND ASSOCIATED OVER-RIDE PER IECC REQUIREMENTS. THE NUMBER OF CIRCUITS, CONTACTOR POLES, ETC. SHALL BE CLOSELY COORDINATED WITH THE DESIGN DRAWINGS.

LIGHTING CONTROL DIAGRAM
 NO SCALE



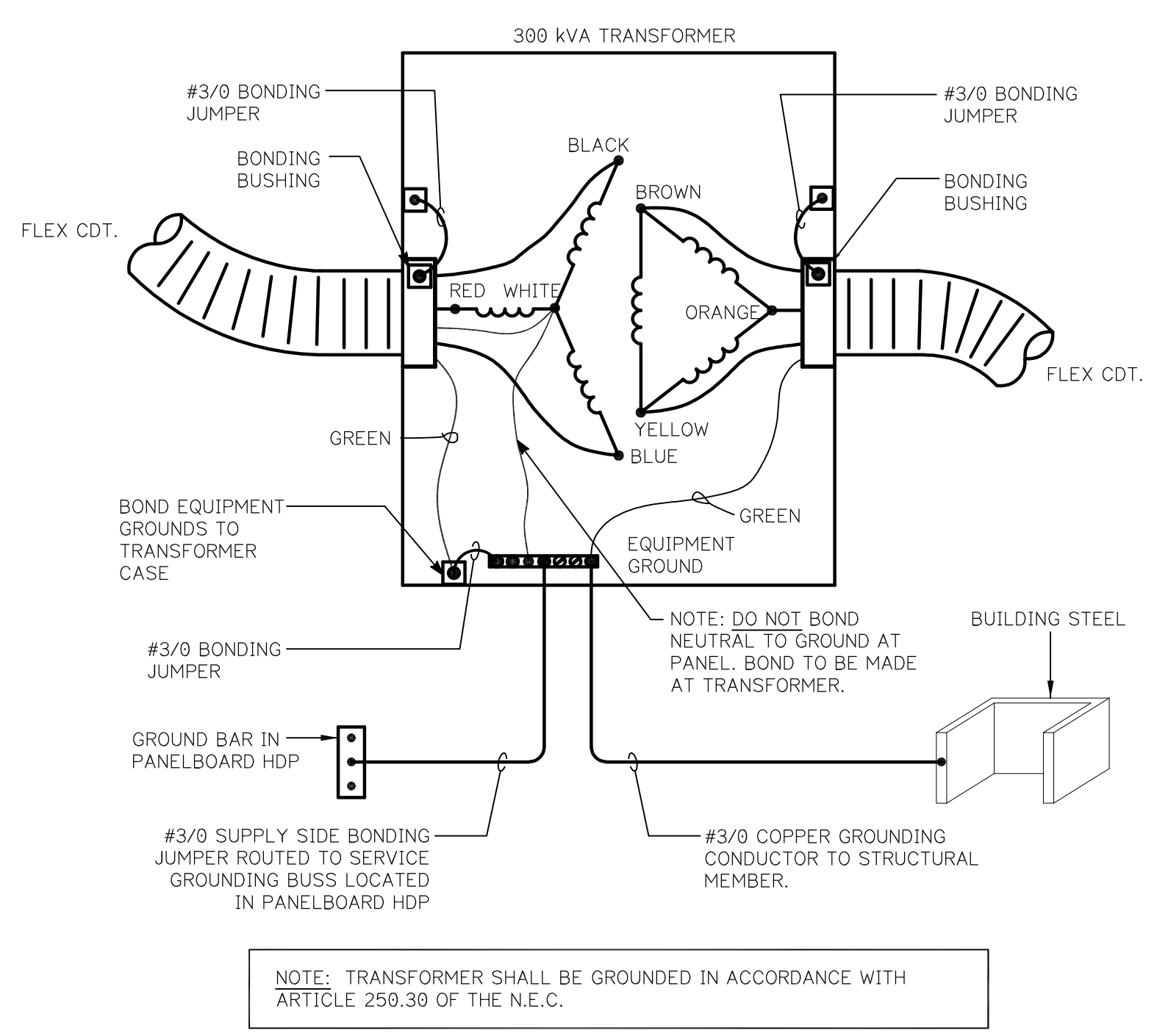
COMBINATION OUTLET
 NO SCALE

TYPE	LAMPS	MOUNTING	DESCRIPTION/VOLTAGE	CATALOG NO.
A	22w LED 3500°K	RECESSED /IN-GROUND	4'Ø IN-GROUND UP LIGHT STYLE LED FIXTURE WITH STANDARD DRIVER, 1,445 LUMEN OUTPUT, AND 10° OPTICS. 277 VOLTS	LSI LIGHTING LIG6-LED-19-350-WW-UE-SP10-INGROUND
B	42w LED 4000°K	RECESSED	6'Ø ROUND DOWN LIGHT STYLE LED FIXTURE WITH STANDARD DRIVER, 4,123 LUMEN OUTPUT, FLOOD OPTICS, AND HAZE SEMI-DIFFUSE LENS. 277 VOLTS	LSI LIGHTING LAD6-41-LED-40-FL /TR6R-HAZ
Bø	42w LED 4000°K	RECESSED	6'Ø ROUND DOWN LIGHT STYLE LED FIXTURE WITH STANDARD DRIVER, 4,123 LUMEN OUTPUT, FLOOD OPTICS, HAZE SEMI-DIFFUSE LENS, AND EMERGENCY BATTERY BACKUP. 277 VOLTS	LSI LIGHTING LAD6-41-LED-40-FL /TR6R-HAZ VEM
C	25w LED 4000°K	RECESSED	6'Ø ROUND DOWN LIGHT STYLE LED FIXTURE WITH STANDARD DRIVER, 2,569 LUMEN OUTPUT, FLOOD OPTICS, AND HAZE SEMI-DIFFUSE LENS. 277 VOLTS	LSI LIGHTING LAD6-25-LED-40-FL /TR6R-HAZ
Cø	25w LED 4000°K	RECESSED	6'Ø ROUND DOWN LIGHT STYLE LED FIXTURE WITH STANDARD DRIVER, 2,569 LUMEN OUTPUT, FLOOD OPTICS, HAZE SEMI-DIFFUSE LENS, AND EMERGENCY BATTERY BACKUP. 277 VOLTS	LSI LIGHTING LAD6-25-LED-40-FL /TR6R-HAZ VEM
D	42w LED 4000°K	RECESSED	6'Ø ROUND DOWN LIGHT STYLE LED FIXTURE WITH STANDARD DRIVER, 4,123 LUMEN OUTPUT, FLOOD OPTICS, AND HAZE SEMI-DIFFUSE LENS. 277 VOLTS	LSI LIGHTING LAD6-41-LED-40-FL /TR6R-HAZ
Dø	42w LED 4000°K	RECESSED	6'Ø ROUND DOWN LIGHT STYLE LED FIXTURE WITH STANDARD DRIVER, 4,123 LUMEN OUTPUT, FLOOD OPTICS, HAZE SEMI-DIFFUSE LENS, AND EMERGENCY BATTERY BACKUP. 277 VOLTS	LSI LIGHTING LAD6-41-LED-40-FL /TR6R-HAZ VEM
E	36w LED 4000°K	RECESSED	4' LINEAR STYLE LED FIXTURE WITH STANDARD DRIVER AND 3,083 LUMEN OUTPUT. 277 VOLTS	COLUMBIA LIGHTING MPS4-40LW-CW-EU
Eø	36w LED 4000°K	RECESSED	4' LINEAR STYLE LED FIXTURE WITH STANDARD DRIVER, 3,083 LUMEN OUTPUT, AND EMERGENCY BATTERY BACKUP. 277 VOLTS	COLUMBIA LIGHTING MPS4-40LW-CW-EU-ELL14
F	213w LED 5000°K	SUSPENDED @14'AFF	4' LONG HIGH BAY STYLE LED FIXTURE WITH STANDARD DRIVER, 28,807 LUMEN OUTPUT, AND SYMMETRIC DISTRIBUTION. 277 VOLTS	LSI LIGHTING LH11-LED-30L-S-50 (14' MH)
G	36w LED 4000°K	RECESSED	2x2' EDGE LIT TROFFER STYLE LED FIXTURE WITH STANDARD DRIVER AND 3,083 LUMEN OUTPUT. 277 VOLTS	LSI LIGHTING SL122-LED-HO-NW-UE
Gø	36w LED 4000°K	RECESSED	2x2' EDGE LIT TROFFER STYLE LED FIXTURE WITH STANDARD DRIVER, 3,083 LUMEN OUTPUT, AND EMERGENCY BATTERY BACKUP. 277 VOLTS	LSI LIGHTING SL122-LED-HO-NW -UE-EM
K	89w LED 5000°K	SUSPENDED @12'AFF	4' LONG HIGH BAY STYLE LED FIXTURE WITH STANDARD DRIVER, 12,969 LUMEN OUTPUT, AND SYMMETRIC DISTRIBUTION. 277 VOLTS	LSI LIGHTING LH11-LED-12L-S-50 (14' MH)
Kø	89w LED 5000°K	SUSPENDED @12'AFF	4' LONG HIGH BAY STYLE LED FIXTURE WITH STANDARD DRIVER, 12,969 LUMEN OUTPUT, AND EMERGENCY BATTERY BACKUP. 277 VOLTS	LSI LIGHTING LH11-LED-12L-S-50 -EM(14' MH)
S	32w LED 3000°K	RECESSED	6'Ø ROUND DOWN LIGHT STYLE LED FIXTURE WITH STANDARD DRIVER, 3,382 LUMEN OUTPUT, AND DAMP LOCATION RATED. 277 VOLTS	LSI LIGHTING LAD6-32-LED-30-SP /TR6R-HAZ
P	14w LED 4000°K	PENDANT	DECORATIVE PENDANT STYLE LED FIXTURE WITH STANDARD DRIVER AND 14-WATT MAXIMUM ALLOWANCE. 277 VOLTS	COORDINATE WITH ARCHITECT
Q	102w LED 5000°K	WALL SEE PLANS FOR MGT. HT.	SURFACE MOUNTED WALL PACK STYLE LED FIXTURE WITH STANDARD DRIVER, FORWARD THROW OPTICS, INTEGRAL MOTION/PHOTO SENSOR, AND 12,000 LUMEN OUTPUT/FIXTURE. 277 VOLTS	LSI LIGHTING WW4-F-LED-12L-50 -UE-BRZ-ALBCS2
⊕	LED	UNIVERSAL SURFACE	EMERGENCY EXIT SIGN WITH WHITE HOUSING. COORDINATE LETTERING COLOR WITH LOCAL JURISDICTION. 120 VOLTS.	EXITRONIX S900 EDGE-LIT SERIES
🔋	INCLUDED	UNIVERSAL SURFACE	EMERGENCY BATTERY PACK FIXTURE WITH BLACK HOUSING AND INTEGRAL BATTERY CHARGER. 120 VOLTS.	EXITRONIX LED 99 SERIES
🔋	INCLUDED	UNIVERSAL SURFACE	EMERGENCY LINEAR EGRESS FIXTURE WITH INTEGRAL BATTERY CHARGER, BLACK HOUSING, AND WET LOCATION RATED. 120/277 VOLTS	SIGNTEX MUE-BB-20-B-T-**

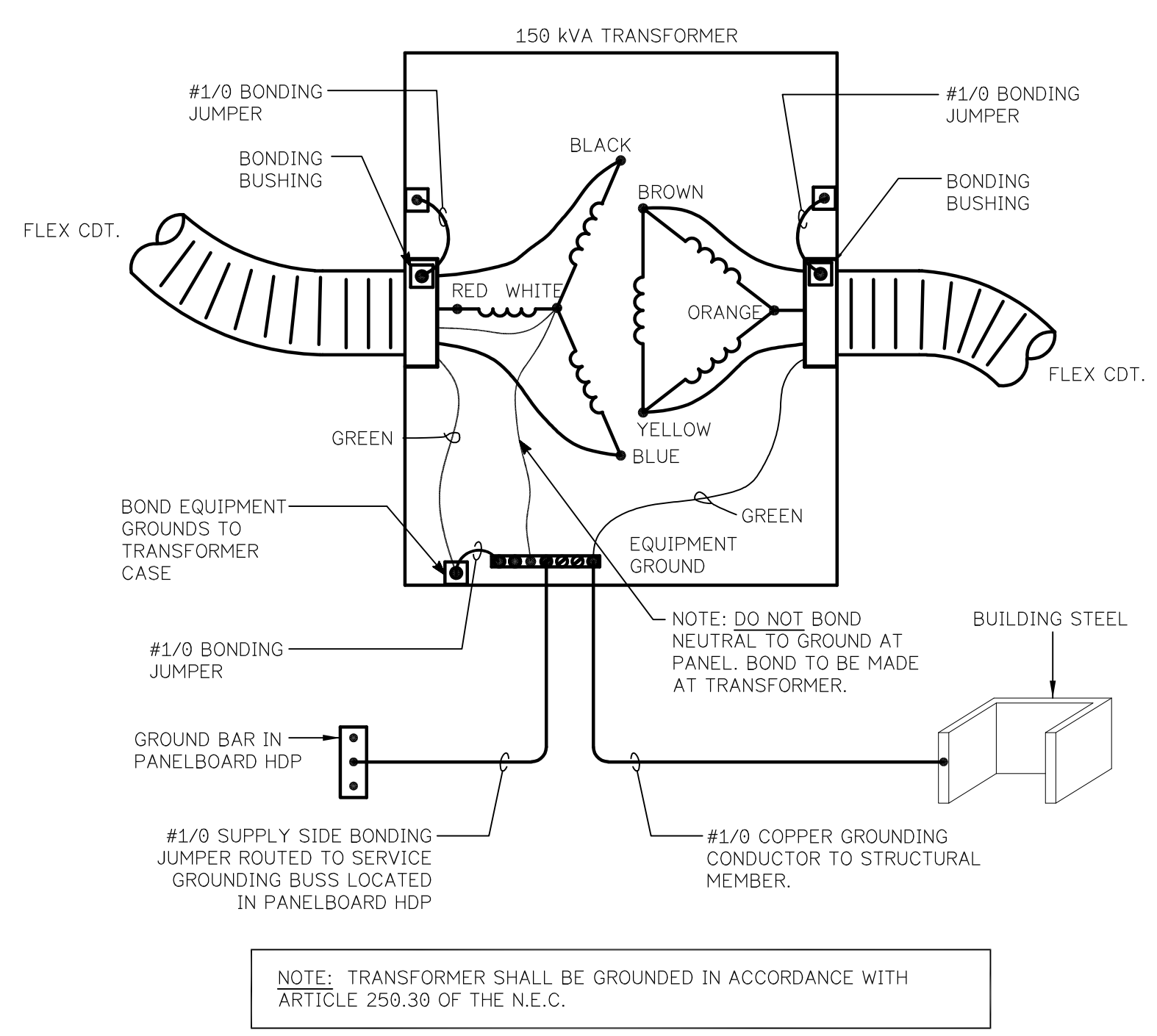
* CONTRACTOR SHALL COORDINATE ALL FIXTURE FINISHES, COLORS, AND LAMP COLOR TEMPERATURE WITH OWNER'S REPRESENTATIVE AND ARCHITECT PRIOR TO PURCHASE.

DRAWING NOTES ①

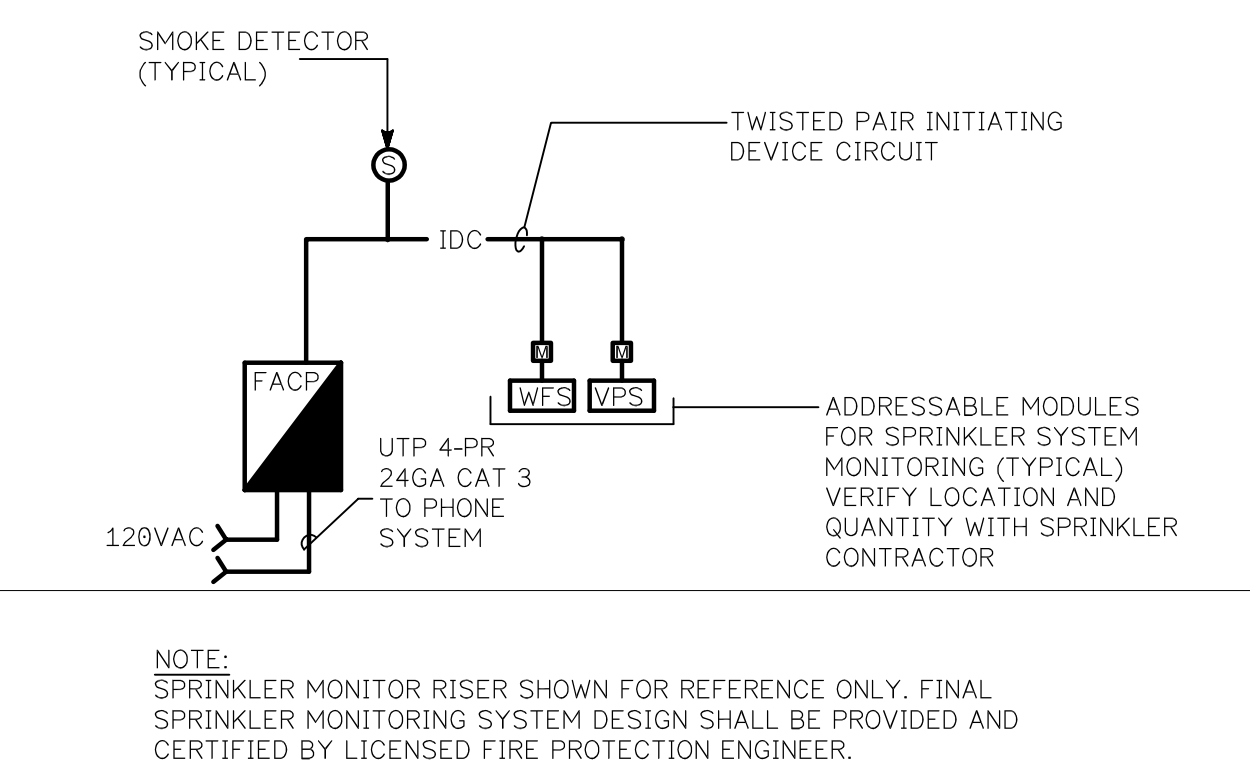
- PROPOSED INCOMING UTILITY COMPANY PRIMARY CABLING AND ASSOCIATED CONDUIT.
- PROPOSED GRADE MOUNTED UTILITY COMPANY TRANSFORMER. CONTRACTOR SHALL COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS WITH LOCAL UTILITY COMPANY REPRESENTATIVE IN THE FIELD.
- PROVIDE AND INSTALL NEW 6-WAY, CONCRETE ENCASED DUCT BANK WITH 4" PVC CONDUITS FOR PROPOSED INCOMING UTILITY COMPANY SERVICE SECONDARY. CONTRACTOR SHALL PROVIDE FOUR (4) SETS (4 #350 KCMIL(CU)) IN DUCT BANK AS REQUIRED. REFER TO DUCT BANK DETAIL, SHEET E-106 FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL PROVIDE PULL STRING IN EMPTY CONDUITS FOR FUTURE USE.
- PROVIDE AND INSTALL NEW WEATHER PROOF RATED, LOCAL UTILITY COMPANY APPROVED C/T CABINET AND ASSOCIATED METER SOCKET MOUNTED ON BUILDING EXTERIOR WALL. CONTRACTOR SHALL EXTEND ONE (1) 1 1/2" CDT. BETWEEN METER AND C/T CABINET AS REQUIRED. COORDINATE EXACT MOUNTING LOCATION IN THE FIELD. COORDINATE EXACT METERING REQUIREMENTS AND TERMINATION EQUIPMENT WITH LOCAL UTILITY COMPANY IN THE FIELD.
- EXTEND FOUR (4) SETS (4 #350 KCMIL(CU)) IN 12"x12"xLENGTH REQUIRED, IN WEATHERPROOF RATED AND SEALED WIRE-TROUGH AS INDICATED ON PLANS.
- PROVIDE AND INSTALL NEW WEATHERPROOF RATED (NEMA 3R OR APPROVED EQUAL) 277/480V, GROUND FAULT PROTECTED, DISTRIBUTION STYLE PANELBOARD WITH SERVICE ENTRANCE RATED 1,200A MAIN CIRCUIT BREAKER FOR SERVICE MAIN DISCONNECTING MEANS PER N.E.C. CONTRACTOR SHALL COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS IN THE FIELD. CONTRACTOR SHALL GROUND SERVICE PER N.E.C. ARTICLE 250 REQUIREMENTS, REFER TO SERVICE GROUNDING DETAIL, THIS SHEET FOR ADDITIONAL INFORMATION. REFER TO PANEL SCHEDULE, SHEET E-602 FOR ADDITIONAL INFORMATION.
- PROVIDE AND INSTALL NEW WEATHERPROOF RATED (NEMA 3R OR APPROVED EQUAL) 480V DELTA PRIMARY - 120/208V, WYE SECONDARY, 300 KVA TRANSFORMER (T1) MOUNTED ON 4" CONCRETE HOUSE KEEPING PAD. COORDINATE EXACT MOUNTING LOCATION IN THE FIELD. REFER TO TRANSFORMER GROUNDING DETAIL, THIS SHEET FOR ADDITIONAL INFORMATION.
- EXTEND FOUR (4) SETS (4 #350 KCMIL + #3/0 GRD. - 3" CDT.) FOR TRANSFORMER SECONDARY WIRING.
- PROVIDE AND INSTALL NEW WEATHERPROOF RATED (NEMA 3R OR APPROVED EQUAL) 240V RATED, 1,200A DISCONNECT FUSED @1,200A FOR SEPARATELY DERIVED SERVICE DISCONNECTING MEANS PER N.E.C. REQUIREMENTS. CONTRACTOR SHALL COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS IN THE FIELD.
- EXISTING PANELBOARD AND ALL ASSOCIATED CONDUIT AND WIRING TO REMAIN UNLESS OTHERWISE NOTED, REFER TO PANEL SCHEDULE, SHEET E-602/E-603 FOR ADDITIONAL INFORMATION.
- PROVIDE AND INSTALL NEW 277/480V BRANCH CIRCUIT STYLE PANEL BOARD. REFER TO PANEL SCHEDULE, SHEET E-602 FOR ADDITIONAL INFORMATION.
- PROVIDE AND INSTALL NEW 120/208V BRANCH CIRCUIT STYLE PANEL BOARD. REFER TO PANEL SCHEDULE, SHEET E-603 FOR ADDITIONAL INFORMATION.
- PROVIDE 8 POLE, MECHANICALLY HELD LIGHTING CONTACTOR 'C1' FOR CONTROL OF EXTERIOR Pylon/BUILDING SIGNAGE LIGHTING CIRCUITS. COORDINATE EXACT MOUNTING LOCATION AND POLE CONFIGURATION REQUIREMENTS IN THE FIELD.
- PROVIDE 24 HOUR/DAY, 7 DAY/WEEK, DIGITAL TIME CLOCK FOR CONTROL OF NEW EXTERIOR SIGNAGE CONTACTOR 'C1', COORDINATE EXACT MOUNTING LOCATION IN THE FIELD. CIRCUIT #C-38
- PROVIDE 4 POLE, MECHANICALLY HELD LIGHTING CONTACTOR 'C2' FOR CONTROL OF FRONT OF HOUSE INTERIOR LIGHTING CIRCUITS. COORDINATE EXACT MOUNTING LOCATION AND POLE CONFIGURATION REQUIREMENTS IN THE FIELD.
- PROVIDE 24 HOUR/DAY, 7 DAY/WEEK, ASTRONOMICAL TIME CLOCK WITH BATTERY BACK-UP AND HOLIDAY SCHEDULING FOR CONTROL OF FRONT OF HOUSE INTERIOR LIGHTING CONTACTOR 'C2' FOR AUTOMATIC LIGHTING SHUT-OFF PER IECC REQUIREMENTS. CONTRACTOR SHALL PROVIDE OVERRIDE SWITCHING AS INDICATED IN DETAIL, SHEET E-501. CIRCUIT #C-38
- PROVIDE 4 POLE, MECHANICALLY HELD LIGHTING CONTACTOR 'C3' FOR CONTROL OF BACK OF HOUSE INTERIOR LIGHTING CIRCUITS. COORDINATE EXACT MOUNTING LOCATION AND POLE CONFIGURATION REQUIREMENTS IN THE FIELD.
- PROVIDE 24 HOUR/DAY, 7 DAY/WEEK, ASTRONOMICAL TIME CLOCK WITH BATTERY BACK-UP AND HOLIDAY SCHEDULING FOR CONTROL OF BACK OF HOUSE INTERIOR LIGHTING CONTACTOR 'C2' FOR AUTOMATIC LIGHTING SHUT-OFF PER IECC REQUIREMENTS. CONTRACTOR SHALL PROVIDE OVERRIDE SWITCHING AS INDICATED IN DETAIL, SHEET E-501. CIRCUIT #C-38
- CONTRACTOR SHALL REMOVE EXISTING PANELBOARD AND STORE FOR REUSE DURING NEW WORK PHASE. CONTRACTOR SHALL REMOVE ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE.
- PROPOSED NEW LOCATION OF PANELBOARD MADE AVAILABLE DURING DEMOLITION, COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS IN THE FIELD. REFER TO PANEL SCHEDULE, SHEET E-603 FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL REMOVE EXISTING INCOMING UTILITY SERVICE FEED BACK TO SOURCE. CONTRACTOR SHALL CUT CONDUIT BACK TO GRADE, CAP, AND ABANDON. CONTRACTOR SHALL COORDINATE EXACT TIMING OF ALL SERVICE WORK WITH OWNER AND LOCAL UTILITY COMPANY REPRESENTATIVE IN THE FIELD.
- CONTRACTOR SHALL REMOVE EXISTING UTILITY COMPANY C/T CABINET, METER SOCKET, AND ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE. CONTRACTOR SHALL COORDINATE EXACT TIMING OF ALL SERVICE WORK WITH OWNER AND LOCAL UTILITY COMPANY REPRESENTATIVE IN THE FIELD.
- EXISTING LIGHTING CONTACTOR AND ALL ASSOCIATED CONDUIT AND WIRING TO REMAIN UNLESS OTHERWISE NOTED, SHOWN FOR REFERENCE ONLY.
- CONTRACTOR SHALL PROVIDE AND INSTALL 12"x12"x CUSTOM LENGTH WEATHERPROOF RATED, SEALED, WIRE TROUGH FOR FUTURE SERVICE DISTRIBUTION BREAK OUT AS REQUIRED BY OWNER. COORDINATE EXACT MOUNTING LOCATION AND WIRE REQUIREMENTS IN THE FIELD.
- PROPOSED LOCATION OF FUTURE UTILITY COMPANY STYLE C/T CABINET AND ASSOCIATED METER SOCKET. CONTRACTOR SHALL LEAVE SPACE CLEAR OF ALL OBSTRUCTIONS FOR FUTURE MOUNTING USE OF PROPOSED EQUIPMENT.
- CONTRACTOR SHALL PROVIDE AND INSTALL NEW 277/480V SERVICE ENTRANCE AND WEATHERPROOF (NEMA 3R OR APPROVED EQUAL) RATED PANELBOARD, WITH 600A MAIN CIRCUIT BREAKER. COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS IN THE FIELD. CONTRACTOR SHALL REFER TO PANEL SCHEDULE, SHEET E-602 FOR ADDITIONAL INFORMATION.
- EXTEND SETS (3 #4/0 + #4 GRD. - 2" CDT.) FOR TRANSFORMER PRIMARY WIRING.
- PROVIDE AND INSTALL NEW WEATHERPROOF RATED (NEMA 3R OR APPROVED EQUAL) 480V DELTA PRIMARY - 120/208V, WYE SECONDARY, 150 KVA TRANSFORMER (T2) MOUNTED ON 4" CONCRETE HOUSE KEEPING PAD. COORDINATE EXACT MOUNTING LOCATION IN THE FIELD. REFER TO TRANSFORMER GROUNDING DETAIL, THIS SHEET FOR ADDITIONAL INFORMATION.
- EXTEND TWO (2) SETS (4 #350 KCMIL + #2/0 GRD. IN TWO(2) - 3" CDT.) FOR TRANSFORMER SECONDARY WIRING.
- EXTEND 4 #1 + #8 GRD - 1 1/4" CDT



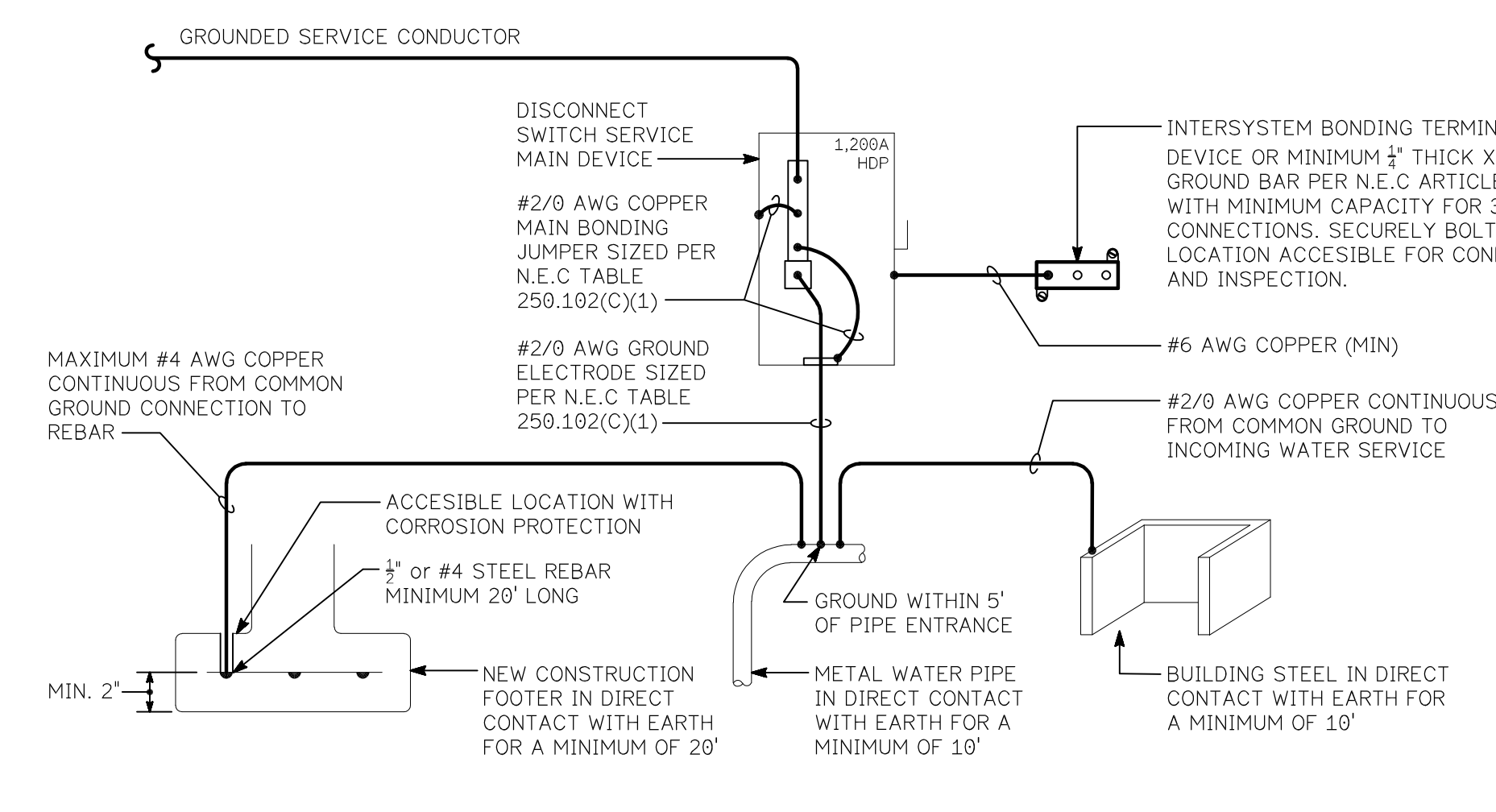
300 kVA TRANSFORMER GROUNDING DETAIL
NO SCALE



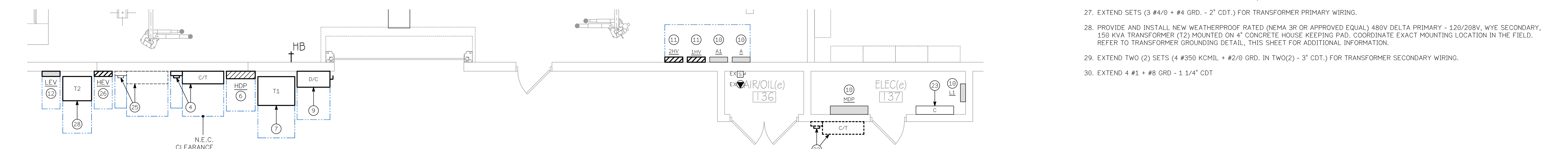
150 kVA TRANSFORMER GROUNDING DETAIL
NO SCALE



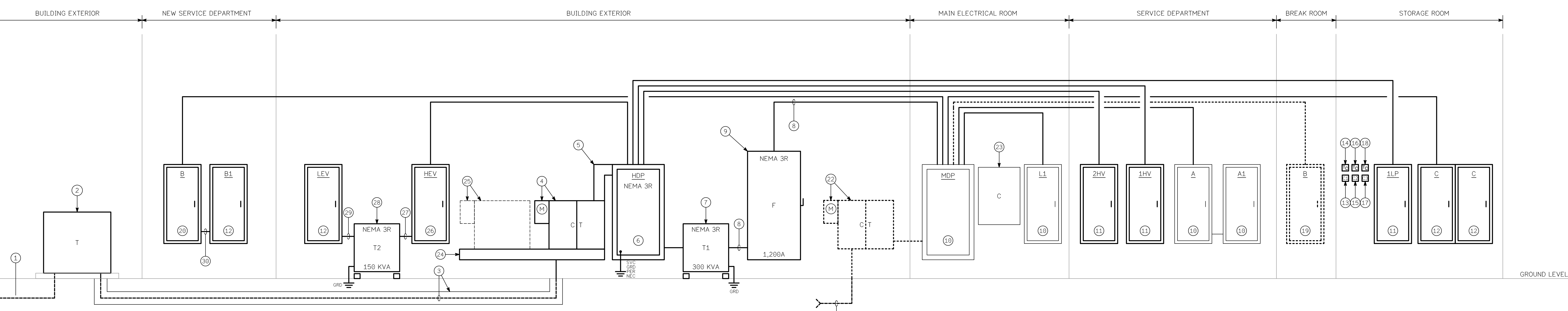
SPRINKLER MONITOR RISER
NO SCALE



SERVICE GROUNDING DETAIL
NO SCALE

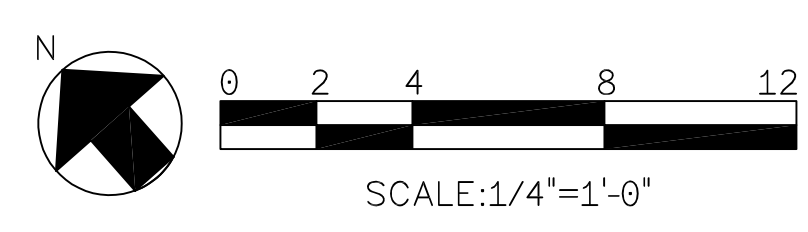


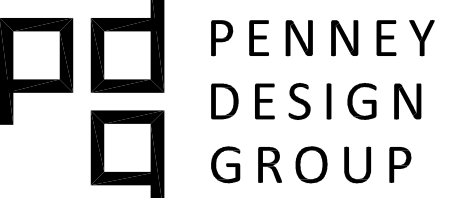
POWER PART PLAN - SERVICE DISTRIBUTION
SCALE: 1/4" = 1'-0"



POWER RISER
NOT TO SCALE

NOTE:
CONTRACTOR SHALL NOTE, ALL WIRE SIZES SERVING PANELBOARDS FROM DISTRIBUTION STYLE PANELBOARDS ARE LISTED IN ASSOCIATED DISTRIBUTION PANELBOARD SCHEDULES, SHEET E-602/E-603.





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Professional Certification:

100% Bid Set 2023.07.27 No. Issue / Revision Date Drawn By: MRB Checked By: GWB Plot Date:

Sheet Number

E-603 Sheet Title

PANEL SCHEDULES - LOW VOLTAGE

Project Number ID# 23-010 File Name

Table: NEW PANEL - LEV (NEMA 3R). Includes columns for CT, TRIP, POLE, DESCRIPTION, VOLTAGE, PHASE, WIRE, MOUNTING, SURFACE, AIC, EX. Includes summary rows for lighting, receptacle, motor, hvac, continuous, kitchen, and miscellaneous loads.

DEMAND LOAD INFORMATION: LIGHTING LOAD CALCULATED @ 125% PER N.E.C. ARTICLE 210.20 (CONTINUOUS LOAD) RECEPTACLE LOAD - 1ST 10.0 KVA @ 100% REMAINING LOAD @ 50% PER N.E.C. ARTICLE 220.44 LARGEST MOTOR LOAD @ 125% PER N.E.C. ARTICLE 430.24

Table: EXISTING PANEL - L1. Includes columns for CT, TRIP, POLE, DESCRIPTION, VOLTAGE, PHASE, WIRE, MOUNTING, SURFACE, AIC, EX. Includes summary rows for lighting, receptacle, motor, hvac, continuous, kitchen, and miscellaneous loads.

DEMAND LOAD INFORMATION: LIGHTING LOAD CALCULATED @ 125% PER N.E.C. ARTICLE 210.20 (CONTINUOUS LOAD) RECEPTACLE LOAD - 1ST 10.0 KVA @ 100% REMAINING LOAD @ 50% PER N.E.C. ARTICLE 220.44 LARGEST MOTOR LOAD @ 125% PER N.E.C. ARTICLE 430.24

Table: EXISTING PANEL - LDP. Includes columns for CT, TRIP, POLE, DESCRIPTION, VOLTAGE, PHASE, WIRE, MOUNTING, SURFACE, AIC, EX. Includes summary rows for lighting, receptacle, motor, hvac, continuous, kitchen, and miscellaneous loads.

DEMAND LOAD INFORMATION: LARGEST MOTOR LOAD @ 125% PER N.E.C. ARTICLE 430.24 CONTINUOUS LOAD @ 125% PER N.E.C. ARTICLE 424.3(B)(ELECTRIC HEATERS) AND ARTICLE 625 (EV CHARGERS) KITCHEN EQUIPMENT - OVER 6 PIECES OF EQUIPMENT LOAD @ 65% PER N.E.C. ARTICLE 220.56 MISCELLANEOUS LOAD @ 100%

Table: NEW PANEL - C. Includes columns for CT, TRIP, POLE, DESCRIPTION, VOLTAGE, PHASE, WIRE, MOUNTING, SURFACE, AIC, EX. Includes summary rows for lighting, receptacle, motor, hvac, continuous, kitchen, and miscellaneous loads.

DEMAND LOAD INFORMATION: LIGHTING LOAD CALCULATED @ 125% PER N.E.C. ARTICLE 210.20 (CONTINUOUS LOAD) RECEPTACLE LOAD - 1ST 10.0 KVA @ 100% REMAINING LOAD @ 50% PER N.E.C. ARTICLE 220.44 LARGEST MOTOR LOAD @ 125% PER N.E.C. ARTICLE 430.24

Table: RELOCATED PANEL - B. Includes columns for CT, TRIP, POLE, DESCRIPTION, VOLTAGE, PHASE, WIRE, MOUNTING, SURFACE, AIC, EX. Includes summary rows for lighting, receptacle, motor, hvac, continuous, kitchen, and miscellaneous loads.

DEMAND LOAD INFORMATION: LIGHTING LOAD CALCULATED @ 125% PER N.E.C. ARTICLE 210.20 (CONTINUOUS LOAD) RECEPTACLE LOAD - 1ST 10.0 KVA @ 100% REMAINING LOAD @ 50% PER N.E.C. ARTICLE 220.44 LARGEST MOTOR LOAD @ 125% PER N.E.C. ARTICLE 430.24

Table: EXISTING PANEL - A. Includes columns for CT, TRIP, POLE, DESCRIPTION, VOLTAGE, PHASE, WIRE, MOUNTING, SURFACE, AIC, EX. Includes summary rows for lighting, receptacle, motor, hvac, continuous, kitchen, and miscellaneous loads.

DEMAND LOAD INFORMATION: LIGHTING LOAD CALCULATED @ 125% PER N.E.C. ARTICLE 210.20 (CONTINUOUS LOAD) RECEPTACLE LOAD - 1ST 10.0 KVA @ 100% REMAINING LOAD @ 50% PER N.E.C. ARTICLE 220.44 LARGEST MOTOR LOAD @ 125% PER N.E.C. ARTICLE 430.24

Table: NEW PANEL - B1. Includes columns for CT, TRIP, POLE, DESCRIPTION, VOLTAGE, PHASE, WIRE, MOUNTING, SURFACE, AIC, EX. Includes summary rows for lighting, receptacle, motor, hvac, continuous, kitchen, and miscellaneous loads.

DEMAND LOAD INFORMATION: LIGHTING LOAD CALCULATED @ 125% PER N.E.C. ARTICLE 210.20 (CONTINUOUS LOAD) RECEPTACLE LOAD - 1ST 10.0 KVA @ 100% REMAINING LOAD @ 50% PER N.E.C. ARTICLE 220.44 LARGEST MOTOR LOAD @ 125% PER N.E.C. ARTICLE 430.24

Table: EXISTING PANEL - A1. Includes columns for CT, TRIP, POLE, DESCRIPTION, VOLTAGE, PHASE, WIRE, MOUNTING, SURFACE, AIC, EX. Includes summary rows for lighting, receptacle, motor, hvac, continuous, kitchen, and miscellaneous loads.

DEMAND LOAD INFORMATION: LIGHTING LOAD CALCULATED @ 125% PER N.E.C. ARTICLE 210.20 (CONTINUOUS LOAD) RECEPTACLE LOAD - 1ST 10.0 KVA @ 100% REMAINING LOAD @ 50% PER N.E.C. ARTICLE 220.44 LARGEST MOTOR LOAD @ 125% PER N.E.C. ARTICLE 430.24

