

Plan View
Scale: 1" = 20'

reynoldsburg with walk lights on

Rev	Date	By	Check	Description
1				PIA
2				PIB
3				PIC
4				PI
5				PI

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Drive	+	19.6	43.6	0.7	61.1	2.71
Drop Off	+	28.6	47.6	13.6	36.1	2.21
parking	+	19.6	49.6	0.9	38.1	3.61
work	+	28.6	42.6	19.6	2.21	1.51

REVISION SCHEDULE		
#	DATE	REVISION DESCRIPTION

PROJECT NAME:

CML REYNOLDSBURG
1402 BRICE ROAD
REYNOLDSBURG, OHIO 43068

100% CONSTRUCTION DOCUMENTS
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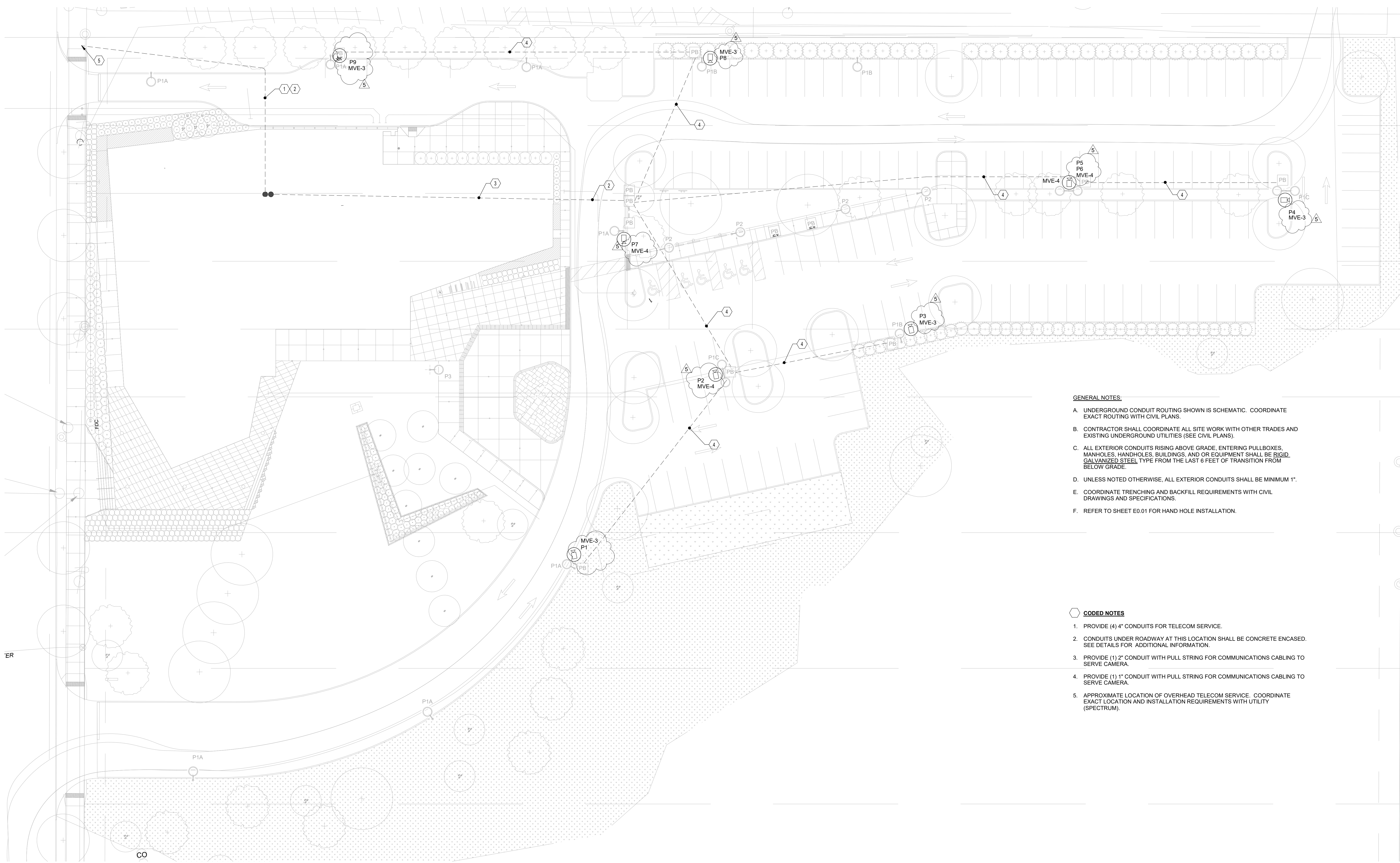
ISSUE DATE: 06/10/22



Designer
Date: 12/16/2021
Scale:
Not to Scale
Drawing No.
Summary

SITE PLAN - ELECTRICAL CALC

E0.01a



- GENERAL NOTES:**
- UNDERGROUND CONDUIT ROUTING SHOWN IS SCHEMATIC. COORDINATE EXACT ROUTING WITH CIVIL PLANS.
 - CONTRACTOR SHALL COORDINATE ALL SITE WORK WITH OTHER TRADES AND EXISTING UNDERGROUND UTILITIES (SEE CIVIL PLANS).
 - ALL EXTERIOR CONDUITS RISING ABOVE GRADE, ENTERING PULLBOXES, MANHOLES, HANDHOLES, BUILDINGS, AND/OR EQUIPMENT SHALL BE RIGID GALVANIZED STEEL TYPE FROM THE LAST 6 FEET OF TRANSITION FROM BELOW GRADE.
 - UNLESS NOTED OTHERWISE, ALL EXTERIOR CONDUITS SHALL BE MINIMUM 1".
 - COORDINATE TRENCHING AND BACKFILL REQUIREMENTS WITH CIVIL DRAWINGS AND SPECIFICATIONS.
 - REFER TO SHEET E0.01 FOR HAND HOLE INSTALLATION.

- CODED NOTES**
- PROVIDE (4) 4" CONDUITS FOR TELECOM SERVICE.
 - CONDUITS UNDER ROADWAY AT THIS LOCATION SHALL BE CONCRETE ENCASED. SEE DETAILS FOR ADDITIONAL INFORMATION.
 - PROVIDE (1) 2" CONDUIT WITH PULL STRING FOR COMMUNICATIONS CABLING TO SERVE CAMERA.
 - PROVIDE (1) 1" CONDUIT WITH PULL STRING FOR COMMUNICATIONS CABLING TO SERVE CAMERA.
 - APPROXIMATE LOCATION OF OVERHEAD TELECOM SERVICE. COORDINATE EXACT LOCATION AND INSTALLATION REQUIREMENTS WITH UTILITY (SPECTRUM).

1 SITE PLAN - TELECOMMUNICATIONS
1" = 20'-0"



REVISION SCHEDULE		
#	DATE	REVISION DESCRIPTION
5	10.25.22	Bulletin 05

PROJECT NAME :

CML REYNOLDSBURG
1402 BRICE ROAD
REYNOLDSBURG, OHIO 43068

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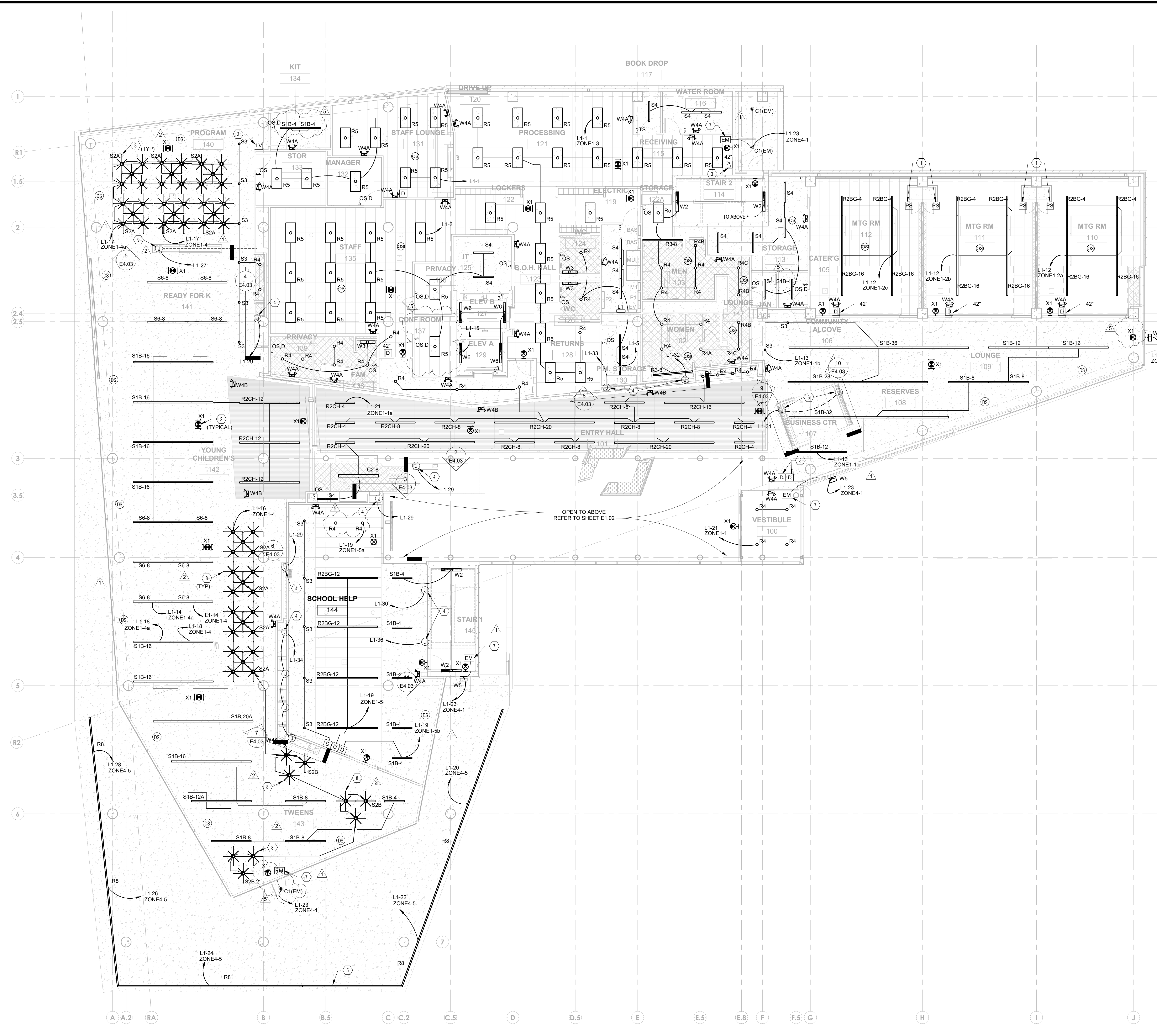
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Mechanical | Electrical | Plumbing | Fire Protection
1400 Dublin Road, Suite 614 | 43068-4778
Columbus, Ohio 43215 | Fax: (614) 486-4082



SITE PLAN - TELECOMMUNICATIONS

E0.02

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- GENERAL NOTES:**
- COORDINATE EXACT LOCATIONS OF DEVICE AND LUMINAIRE WITH ARCHITECTURAL REFLECTED CEILING PLAN AND HVAC PLANS PRIOR TO ROUGH-IN TO AVOID CONFLICTS.
 - EMERGENCY EGRESS LIGHTING AND EXIT SIGNS SHALL BE CONNECTED TO LOCAL LIGHTING CIRCUIT AHEAD OF ANY SWITCHING OR CONTROLS WITH A MINIMUM OF #12 AWG CONDUCTORS.
 - PROVIDE ALL MOUNTING HARDWARE PER MANUFACTURER'S WRITTEN INSTRUCTIONS TO SUPPORT LUMINAIRE. CONTRACTOR TO VERIFY MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN. LUMINAIRE SHALL NOT BE SUPPORTED BY CEILING.
 - POWER PACKS AND SLAVE PACKS SHALL BE LOCATED WITHIN EACH ROOM ABOVE CEILING ADJACENT TO THE ENTRY DOOR.
 - NO SHARED NEUTRALS - EACH CIRCUIT SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR.
 - STRAIGHT LINES INDICATE LUMINAIRE CIRCUITED TO COMMON CONTROL AND CIRCUIT. ARC LINES INDICATE A COMMON BRANCH BUT SEPARATE CONTROLS CIRCUIT.
 - REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - UNLESS NOTED OTHERWISE, LUMINAIRE WITH 0-10V DIMMING DRIVERS SHALL HAVE 0-10V DIMMING CONTROLS WIRED TO LIGHTING CONTROL DEVICE. JUNCTION BOX OR POWER PACK, REGARDLESS OF CONTROLS (DIM OR NONDIM) DEFINED.
 - UNLESS NOTED OTHERWISE, LIGHTING CONTROLS SHALL SERVE LUMINAIRE IN THE SAME SPACE.
 - COORDINATE INSTALLATION OF SUSPENDED LUMINAIRE WITH ACOUSTIC PANELS. REFER TO ARCHITECTURAL PLANS, PROVIDE BLOCKING/JUNCTION BOXES AS REQUIRED TO MOUNT LUMINAIRE AND CEILING DEVICES.
 - FIELD COORDINATE ALL SUSPENDED LUMINAIRE MOUNTING WITH CML AND ARCHITECT PRIOR TO ROUGH-IN.
 - EC TO PROVIDE BAFFLES BAF AS SHOWN ON A1.11.

- CODED NOTES**
- PARTITION SENSOR, TIE INTO BAS LIGHTING CONTROLLER.
 - STEM MOUNT DEVICE (WHERE APPLICABLE). ALL EMERGENCY LIGHTS AND EXIT SIGN SHALL BE SUSPENDED AT EQUAL HEIGHT.
 - PROVIDE LOW VOLTAGE OVERRIDE SWITCH FOR AFTER HOURS OF LIGHTING.
 - POWER CONNECTION FOR BOOKCASE/ILLUMINATED DISPLAY LIGHTING. REFER TO E4.03 AND ARCHITECTURAL DETAILS FOR ADDITIONAL INFORMATION.
 - CONCRETE RECESSED CONTINUOUS LUMINAIRE. COORDINATE MOUNTING AND POWER CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.
 - IN SLAB JUNCTION BOX FOR ILLUMINATED DISPLAY/BOOKCASE LIGHTING. REFER TO DETAILS.
 - PROVIDE 30 WATT EMERGENCY BATTERY. IOTA ILBPL CP30 HE SD HV OR EQUAL. LOCATE WITHIN 25' FIXTURE ABOVE ACCESSIBLE CEILING IN ACCESSIBLE LOCATION. LOCATE TEST SWITCH IN ACCESSIBLE LOCATION.
 - LUMINAIRE WITH MULTIPLE CLUSTERS. PROVIDE POWER CONNECTION TO EACH UNIT.
 - IN SLAB JUNCTION BOX FOR ILLUMINATED DISPLAY/BOOKCASE LIGHTING. EXTEND CONDUIT TO ACCESS PANEL AT TOP OF DISPLAY.

REVISION SCHEDULE		
#	DATE	REVISION DESCRIPTION
1	07.05.22	Addendum 01
2	07.11.22	Addendum 03
3	09.16.22	Bulletin 03
5	10.25.22	Bulletin 05

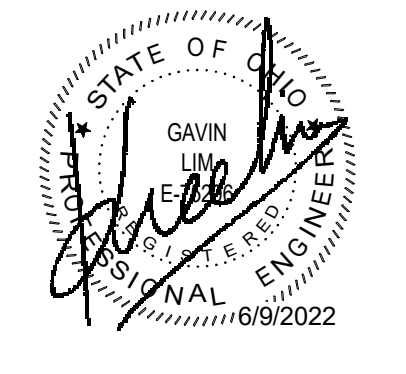
PROJECT NAME :

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 1402 BRICE ROAD
 REYNOLDSBURG, OHIO 43068

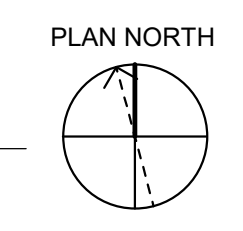
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1 FIRST FLOOR CEILING PLAN - LIGHTING
 1/8" = 1'-0"



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Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
BOH HALL 123	+	31.7 fc	46.2 fc	7.7 fc	6.0:1	4.1:1
Childrens Program Tween	+	31.5 fc	216.3 fc	4.5 fc	48.1:1	7.0:1
Lobby	+	26.4 fc	36.9 fc	12.1 fc	3.0:1	2.2:1
Manager 132	+	21.5 fc	29.3 fc	16.3 fc	1.8:1	1.3:1
Meeting 112	+	38.5 fc	53.5 fc	17.8 fc	3.0:1	2.2:1
PROCESS 121 Recieving 115	+	44.7 fc	57.4 fc	18.7 fc	3.1:1	2.4:1
Reserves 108	+	33.6 fc	48.4 fc	12.4 fc	3.9:1	2.7:1
School Help 144	+	47.6 fc	162.9 fc	12.6 fc	12.9:1	3.8:1
Staff 135	+	46.2 fc	70.4 fc	7.0 fc	10.1:1	6.6:1
Staff Lounge	+	44.5 fc	55.0 fc	29.1 fc	1.9:1	1.5:1
Stor 133	+	37.5 fc	49.9 fc	25.9 fc	1.9:1	1.4:1
Women 102	+	35.7 fc	48.3 fc	0.0 fc	N/A	N/A

REVISION SCHEDULE

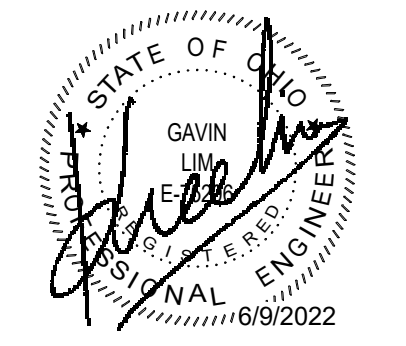
PROJECT NAME:

CML REYNOLDSBURG

1402 BRICE ROAD
REYNOLDSBURG, OHIO 43068

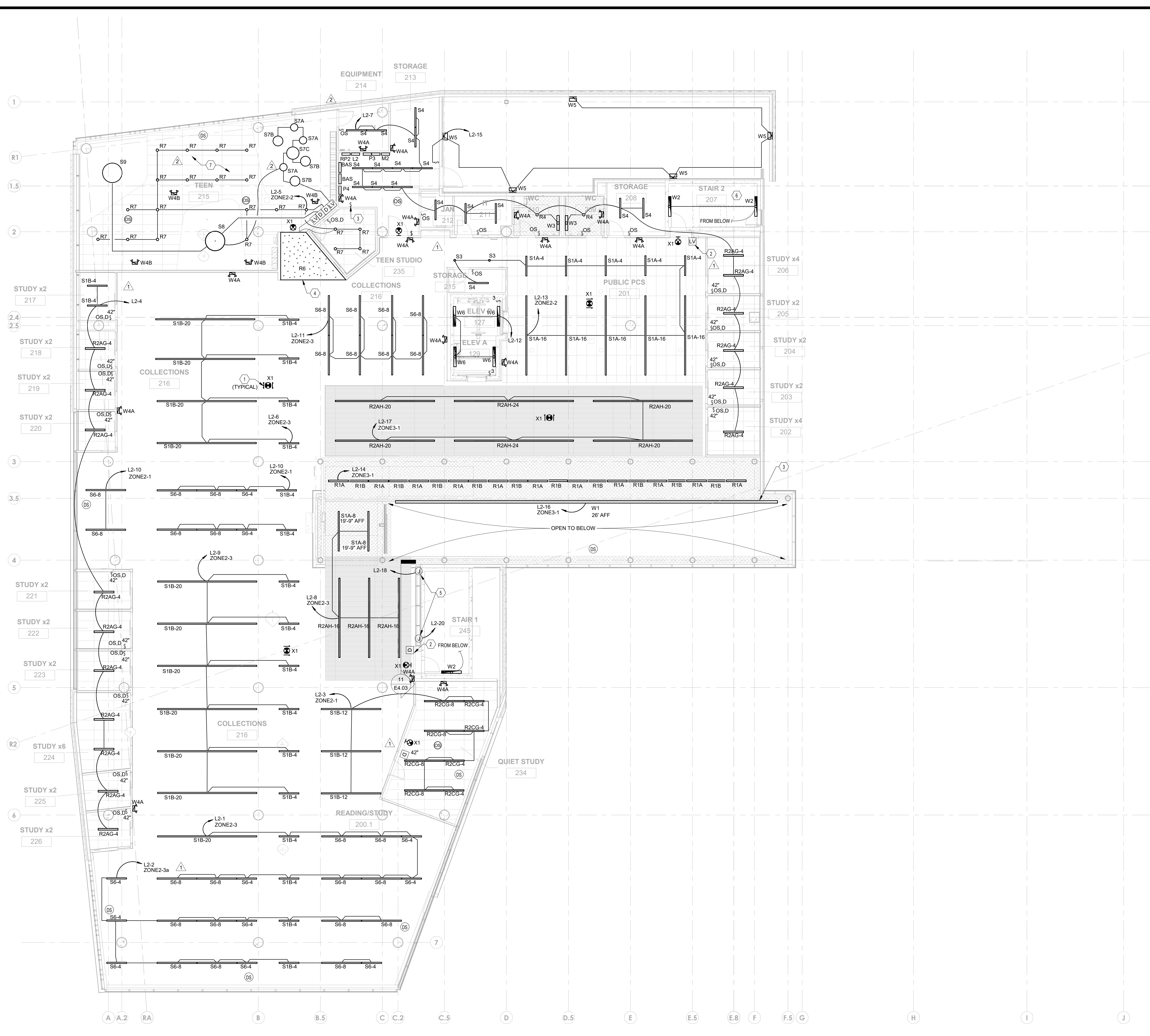
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ISSUE DATE: 06/10/22



LEVEL 1 LIGHTING PLAN CALC

E1.01a



- GENERAL NOTES:**
- COORDINATE EXACT LOCATIONS OF DEVICE AND LUMINAIRES WITH ARCHITECTURAL REFLECTED CEILING PLAN AND HVAC PLANS PRIOR TO ROUGH-IN TO AVOID CONFLICTS.
 - EMERGENCY EGRESS LIGHTING AND EXIT SIGNS SHALL BE CONNECTED TO LOCAL LIGHTING CIRCUIT AHEAD OF ANY SWITCHING OR CONTROLS WITH A MINIMUM OF #12 AWG CONDUCTORS.
 - PROVIDE ALL MOUNTING HARDWARE PER MANUFACTURER'S WRITTEN INSTRUCTIONS TO SUPPORT LUMINAIRE. CONTRACTOR TO VERIFY MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN. LUMINAIRES SHALL NOT BE SUPPORTED BY CEILING.
 - POWER PACKS AND SLAVE PACKS SHALL BE LOCATED WITHIN EACH ROOM ABOVE CEILING ADJACENT TO THE ENTRY DOOR.
 - NO SHARED NEUTRALS - EACH CIRCUIT SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR.
 - STRAIGHT LINES INDICATE LUMINAIRES CIRCUITED TO COMMON CONTROL AND CIRCUIT. ARC LINES INDICATE A COMMON BRANCH BUT SEPARATE CONTROLS CIRCUIT.
 - REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - UNLESS NOTED OTHERWISE, LUMINAIRES WITH 0-10V DIMMING DRIVERS SHALL HAVE 0-10V DIMMING CONTROLS WIRED TO LIGHTING CONTROL DEVICE, JUNCTION BOX OR POWER PACK, REGARDLESS OF CONTROLS (DIM OR NONDIM) DEFINED.
 - UNLESS NOTED OTHERWISE, LIGHTING CONTROLS SHALL SERVE LUMINAIRES IN THE SAME SPACE.
 - REFER TO SPECIFICATION SECTION 265600 "LIGHTING SYSTEM" FOR LUMINAIRE SCHEDULE.
 - COORDINATE INSTALLATION OF SUSPENDED LUMINAIRES WITH ACOUSTIC PANELS. REFER TO ARCHITECTURAL PLANS, PROVIDE BLOCKING/JUNCTION BOXES AS REQUIRED TO MOUNT LUMINAIRES AND CEILING DEVICES.
 - REFER TO SHEET E601 FOR LIGHTING CONTROL SCHEDULE.
 - COORDINATE ALL MOUNTING LOCATIONS AND HEIGHTS WITH ARCHITECT AND LIGHTING DESIGNER PRIOR TO ROUGH-IN.
 - EC TO PROVIDE BAFFLES BAF AS SHOWN ON A1.12.

- CODED NOTES**
- STEM MOUNT DEVICE (WHERE APPLICABLE), ALL EMERGENCY LIGHTS AND EXIT SIGN SHALL BE SUSPENDED AT EQUAL HEIGHT.
 - PROVIDE LOW VOLTAGE OVERRIDE SWITCH FOR AFTER HOURS OF LIGHTING.
 - COORDINATE REMOTE DRIVER LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
 - FIBER OPTIC FIXTURE "RF" LIGHTING IN THIS AREA. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION. COORDINATE RGB CONTROLLER LOCATION WITH ARCHITECT/OWNER.
 - POWER CONNECTION FOR BOOKCASE/ILLUMINATED DISPLAY LIGHTING. REFER TO E4.03 AND ARCHITECTURAL DETAILS FOR ADDITIONAL INFORMATION.
 - PROVIDE STAIR LIGHT AT MID LANDING. REFER TO ARCHITECTURAL ELEVATIONS.
 - IN THIS ROOM DEVICES AND WALL PLATE FINISHES SHALL BE SELECTED BY ARCHITECT.

REVISION SCHEDULE		
#	DATE	REVISION DESCRIPTION
1	07.05.22	Addendum 01
2	07.11.22	Addendum 03
3	09.16.22	Bulletin 03

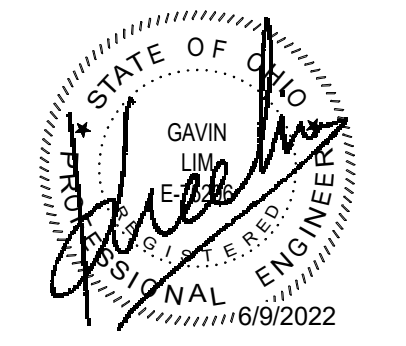
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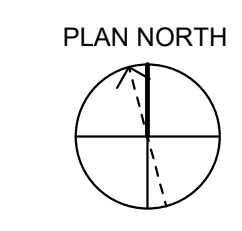
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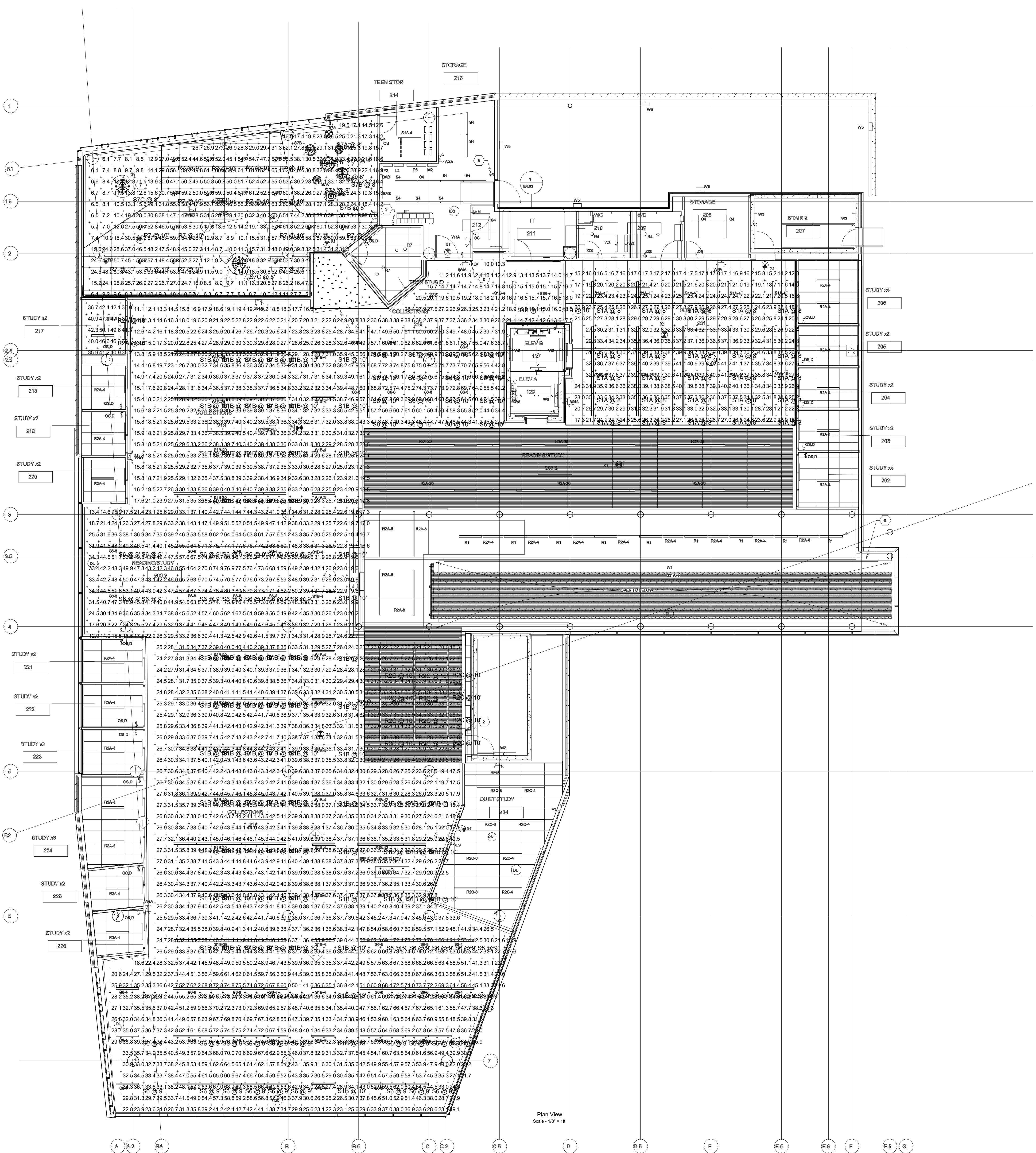
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1 SECOND FLOOR CEILING PLAN - LIGHTING
 1/8" = 1'-0"



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Symbol	Level	Image	Quantity	Manufacturer	Color/Number	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage	Fix
	R2A		2	Acuity Brands	IC-DM-LD-G1-40W-FT	Recessed dual air forced aluminum housing. Troffer (accessory)	1	4077	0.9	3726	Max: 14330
	R2B		8	Acuity Brands	IC-DM-LD-G1-40W-FT	Recessed dual air forced aluminum housing. Troffer (accessory)	1	2629	0.9	2328	Max: 8760
	R2C		12	Acuity Brands	IC-DM-LD-G1-40W-FT	Recessed dual air forced aluminum housing. Troffer (accessory)	1	1123	0.9	1011	Max: 3735
○	R7		17	Acuity Brands	30-DE-SPT-30-30W-36-40D	30° BEAM FLOOD TROFFER DOWN LIGHT WITH ANODIZED ALUMINUM REFLECTOR	1	2629	0.9	2328	Max: 3400
	S1A		25	Acuity Brands	IC-DM-LD-G1-40W-FT	NA	2	1600	0.9	362	Max: 12750
	S1B		40	Acuity Brands	IC-DM-LD-G1-40W-FT	NA	2	1600	0.9	3726	Max: 12750
○	SA		0	Acuity Brands	IC-DM-LD-G1-40W-FT	42LED 11.75\"/>					
○	SA2		0	Acuity Brands	IC-DM-LD-G1-40W-FT	42LED 11.75\"/>					
○	SA3		0	Acuity Brands	IC-DM-LD-G1-40W-FT	42LED 11.75\"/>					
	S4		0	Acuity Brands	IC-DM-LD-G1-40W-FT	42LED 11.75\"/>					
	S6		65	Acuity Brands	IC-DM-LD-G1-40W-FT	ADJUSTABLE STATIC HL DOWN ONLY	112	23	0.9	18888	Max: 12000
⊙	STA		3	Acuity Brands	IC-DM-LD-G1-40W-FT	ADJUSTABLE STATIC HL DOWN ONLY	112	23	0.9	18888	Max: 12000
⊙	STB		3	Acuity Brands	IC-DM-LD-G1-40W-FT	ADJUSTABLE STATIC HL DOWN ONLY	112	23	0.9	18888	Max: 12000
⊙	STC		3	Acuity Brands	IC-DM-LD-G1-40W-FT	ADJUSTABLE STATIC HL DOWN ONLY	112	23	0.9	18888	Max: 12000

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Public PCS 201	+	29.4 fc	41.3 fc	12.3 fc	3.4:1	2.4:1
Study x2	+	42.1 fc	50.1 fc	35.2 fc	1.4:1	1.2:1
COLLECTIONS	+	39.6 fc	81.3 fc	10.0 fc	8.1:1	4.0:1
TEEN 215	+	31.6 fc	65.1 fc	5.1 fc	12.8:1	6.2:1

REVISION SCHEDULE

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1402 BRICE ROAD
REYNOLDSBURG, OHIO 43068

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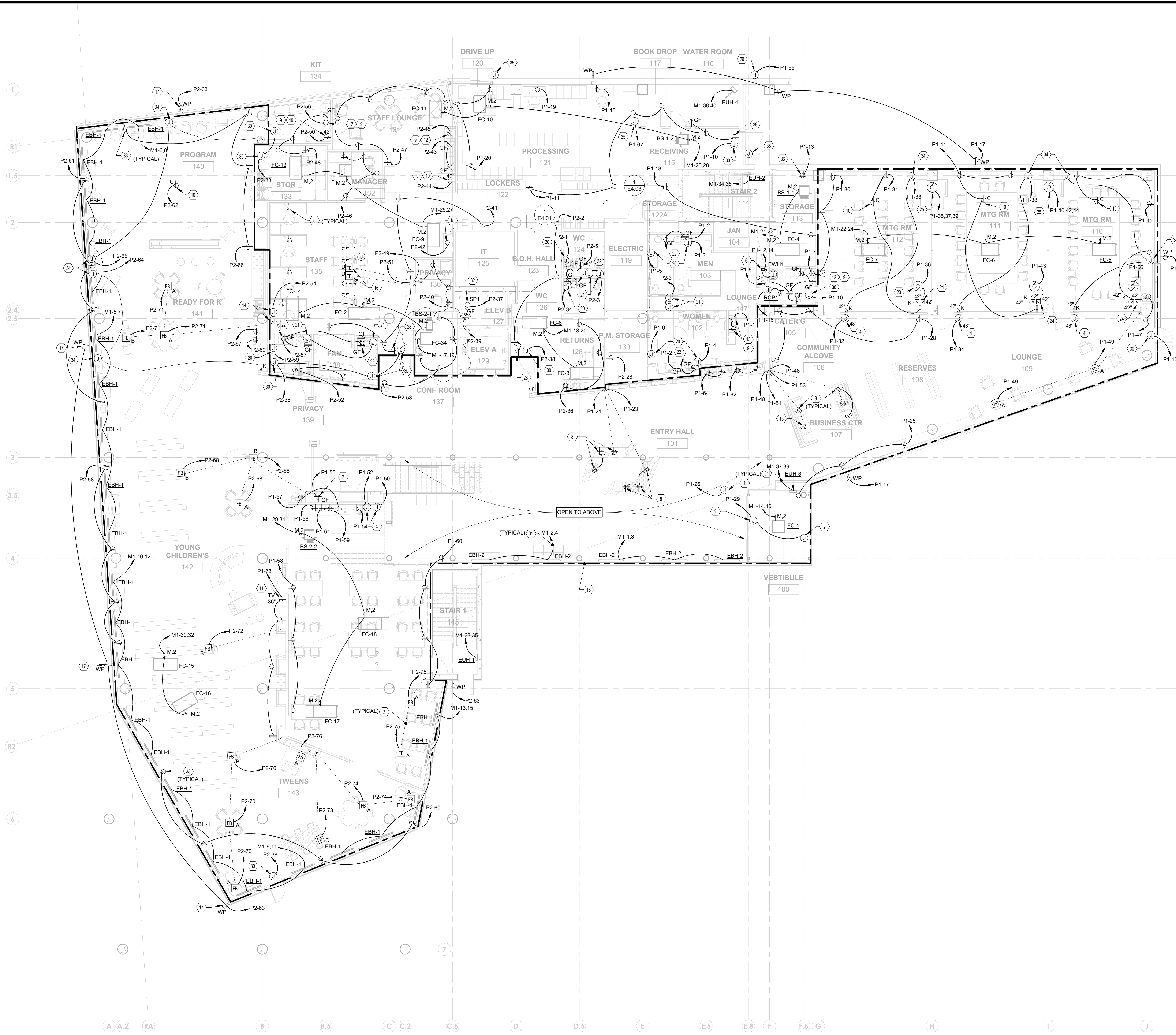
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Professional Engineer Seal
STATE OF OHIO
GAVIN LUM
LICENSED PROFESSIONAL ENGINEER
NO. 10850
EXPIRES 06/30/2022

LEVEL 2 LIGHTING PLAN CALC

E1.02a



- GENERAL NOTES:**
- A. FIELD VERIFY EXACT LOCATIONS OF ALL RECEPTACLES AND EQUIPMENT. REFER TO DRAWINGS AND SPECIFICATIONS OF OTHER CONSTRUCTION WORK TRADES FOR ADDITIONAL ELECTRICAL WORK INCLUDED IN DIVISION 26.
 - B. COORDINATE ALL ROUGH-IN REQUIREMENTS OF DEVICES AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
 - C. UNLESS NOTED OTHERWISE, ALL CABLING SHALL BE IN CONDUIT ROUTED PARALLEL AND TIGHT TO BUILDING STRUCTURE.
 - D. PROVIDE FINAL CONNECTIONS AS SHOWN TO ALL EQUIPMENT SHOWN PER MANUFACTURER'S PUBLISHED INSTRUCTION.
 - E. COORDINATE DEVICE COLOR SELECTIONS WITH ARCHITECT AND OWNER.
 - F. REFER TO MECHANICAL SCHEDULE SHEETS M6.01 AND M6.02 FOR ADDITIONAL INFORMATION.
 - G. COORDINATE FINAL FLOOR BOX LOCATION WITH ARCHITECTURAL FURNITURE PLANS.
 - H. PROVIDE ELECTRICAL SHOCK WARNING LABEL FOR MECHANICAL FC UNITS. "WARNING, LIVE ELECTRICAL PARTS WITHIN". REFER TO SPECIFICATIONS.

- CODED NOTES:**
1. PROVIDE POWER CONNECTION FOR BOOK SECURITY SYSTEM. ROUTE HOMERUN IN SLAB TO NEAREST WALL.
 2. PROVIDE POWER CONNECTION TO AUTOMATIC DOOR OPERATOR. MAKE FINAL CONNECTIONS TO PUSH BUTTONS.
 3. INSTALL CONDUIT PATHWAY IN SLAB TO NEARBY WALL AS SHOWN FOR HOMERUN. INSTALL 1" CONDUIT FOR POWER AND 1-1/4" CONDUIT FOR LOW VOLTAGE OR FUTURE USE ALONG EACH PATH.
 4. JUNCTION BOX FOR POWER CONNECTION TO ROOM SCHEDULER. PROVIDE 1/2" CONDUIT STUBBED UP 3" ABOVE ACCESSIBLE CEILING.
 5. RECEPTACLES SHOWN DASHED ARE INTEGRAL WITH FURNITURE AND SHOWN FOR REFERENCE ONLY.
 6. EWH1: ELECTRIC WATER HEATER (208V, 1PH). PROVIDE 60A/2P NON-FUSED DISCONNECT SWITCH.
 7. PROVIDE RECEPTACLE FOR AQUARIUM.
 8. MOUNT RECEPTACLES CONCEALED INSIDE CASEWORK. PROVIDE IN-SLAB CONDUIT FOR HOMERUN.
 9. CIRCUIT TO GFCI BREAKER AND LABEL RECEPTACLE "GFCI PROTECTED".
 10. PROVIDE CEILING MOUNTED RECEPTACLE FOR CEILING PROJECTOR.
 11. RECEPTACLE FOR LED MEDIA DISPLAY.
 12. RECEPTACLE FOR MICROWAVE.
 13. RECEPTACLE FOR ELECTRIC WATER COOLER.
 14. PROVIDE 4" X 4" X 2-5/8" DEEP JUNCTION BOX IN WALL FOR POWER AND DATA CONNECTIONS TO SYSTEM FURNITURE. MAKE FINAL CONNECTIONS VIA LIQUDTIGHT FLEXIBLE CONDUIT. COORDINATE QUANTITY AND LOCATION WITH CML PRIOR TO ROUGH-IN. RECEPTACLES SHOWN DASHED ARE INTEGRAL WITH FURNITURE AND SHOWN FOR REFERENCE ONLY.
 15. RECEPTACLE FOR COPIER.
 16. PROVIDE FLOORBOX FOR POWER AND DATA CONNECTIONS TO SYSTEM FURNITURE.
 17. MOUNT RECEPTACLE HORIZONTALLY 3" BELOW WINDOW SILL.
 18. ALL RECEPTACLES IN THIS AREA SHALL BE TAMPER RESISTANT TYPE.
 19. RECEPTACLE FOR REFRIGERATOR.
 20. JUNCTION BOX FOR POWER CONNECTION TO HAND DRYER.
 21. JUNCTION BOX FOR POWER CONNECTION TO LOW VOLTAGE FLUSH VALVE TRANSFORMER.
 22. RECEPTACLE BELOW SINK FOR AUTOMATIC FAUCET POWER.
 23. OVERHEAD DOOR OPERATOR. SIDE MOUNT ON WALL AT 120" A.F.F.. PROVIDE LOW VOLTAGE CABLE WITH #24 AWG MINIMUM IN 1/2" CONDUIT TO SAFETY SENSORS AT LOWER EDGES OF DOOR. REFER TO ARCHITECTURAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 24. WALL MOUNTED OVERHEAD DOOR CONTROLLER PROVIDED BY DOOR SUPPLIER AND INSTALLED BY E.C. MAKE FINAL CONNECTIONS TO DOOR OPERATOR.
 25. PROVIDE POWER CONNECTION TO MOTORIZED MOVABLE PARTITION (208V, 3PH) AND CONTROLS. MAKE FINAL CONNECTIONS TO CONTROLS AS INDICATED IN CODED NOTES 26 AND 27. FIELD VERIFY EXACT REQUIREMENTS WITH VENDOR PRIOR TO ROUGH-IN.
 26. PUSH BUTTON SWITCH FOR MOTORIZED MOVABLE PARTITION FOR SAFETY OPERATIONS.
 27. KEY SWITCH FOR MOTORIZED MOVABLE PARTITION TO ACTIVATE THE SYSTEM. MOUNT AT 42" A.F.F. NEXT TO PUSH BUTTON SWITCH AS INDICATED IN CODED NOTE 26.
 28. JUNCTION BOX FOR SECURITY MONITOR. MOUNT RECEPTACLE ABOVE DOOR.
 29. JUNCTION BOX FOR POWER CONNECTION TO SPRINKLER ALARM BELL.
 30. JUNCTION BOX FOR POWER CONNECTION TO DOOR HARDWARE POWER SUPPLY.
 31. PROVIDE POWER CONNECTION THROUGH INTEGRAL DISCONNECT SWITCH.
 32. RECEPTACLE FOR SUMP PUMP "SP1"(120V, 1PH).
 33. DEVICES ON THIS WALL SHALL BE MOUNTED HORIZONTALLY 3" BELOW WINDOW SILL.
 34. PROVIDE POWER CONNECTION TO MOTORIZED SHADE AND WIRE TO SWITCH (BY SHADE MANUFACTURER). PROVIDE #18 AWG TWISTED PAIR CONDUCTORS TO BAS PANEL SYSTEM.
 35. PROVIDE DOORBELL BUTTONS. FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN. BASIS OF DESIGN IS ZENTH SL-27102.
 36. RECEPTACLE FOR AV RACK. MOUNT AT 42" AFF. FIELD COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.

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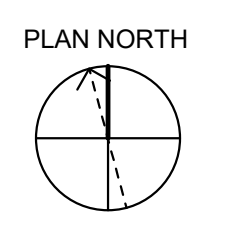
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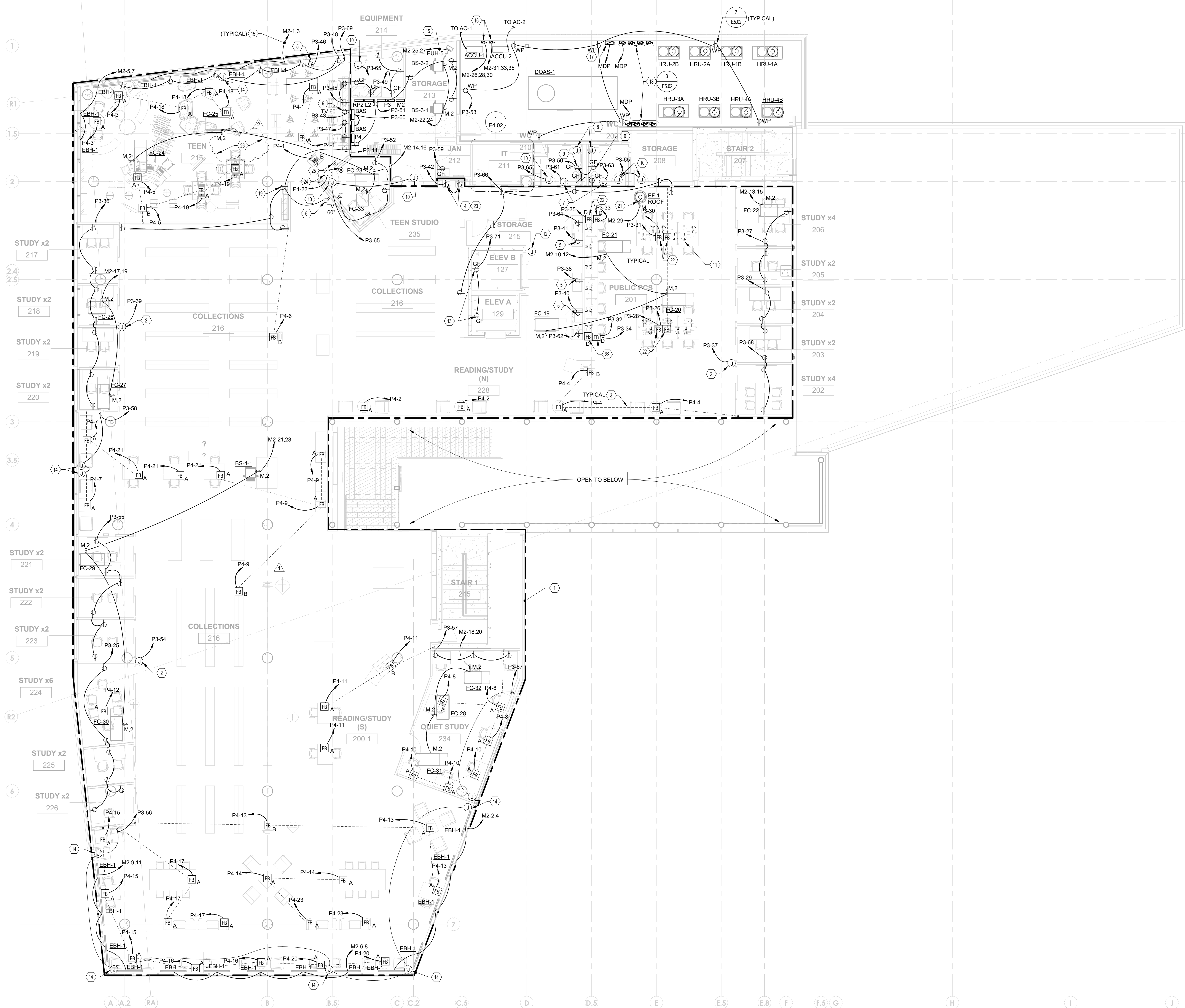
LEVEL 1 POWER PLAN

E2.01

1 FIRST FLOOR PLAN - POWER
 1/8" = 1'-0"



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- GENERAL NOTES:**
- FIELD VERIFY EXACT LOCATIONS OF ALL RECEPTACLES AND EQUIPMENT. REFER TO DRAWINGS AND SPECIFICATIONS OF OTHER CONSTRUCTION WORK TRADES FOR ADDITIONAL ELECTRICAL WORK INCLUDED IN DIVISION 26.
 - COORDINATE ALL ROUGH-IN REQUIREMENTS OF DEVICES AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
 - UNLESS NOTED OTHERWISE, ALL CABLING SHALL BE IN CONDUIT ROUTED PARALLEL AND TIGHT TO BUILDING STRUCTURE.
 - PROVIDE FINAL CONNECTIONS AS SHOWN TO ALL EQUIPMENT SHOWN PER MANUFACTURER'S PUBLISHED INSTRUCTION.
 - ALL EXTERIOR CONNECTIONS AND DEVICES SHALL LISTED WEATHER-RESISTANT AND WATERTIGHT.
 - REFER TO ONE-LINE DIAGRAM ON SHEET E701 FOR ADDITIONAL REQUIREMENTS.
 - COORDINATE DEVICE COLOR SELECTIONS WITH ARCHITECT AND OWNER.
 - REFER TO MECHANICAL SCHEDULE SHEETS M6.01 AND M6.02 FOR ADDITIONAL INFORMATION.
 - COORDINATE FINAL FLOOR BOX LOCATION WITH ARCHITECTURAL FURNITURE PLANS.
 - PROVIDE ELECTRICAL SHOCK WARNING LABEL FOR MECHANICAL FC UNITS. "WARNING, LIVE ELECTRICAL PARTS WITHIN". REFER TO SPECIFICATIONS.

- CODED NOTES:**
- ALL RECEPTACLES IN THIS AREA SHALL BE TAMPER RESISTANT TYPE.
 - JUNCTION BOX FOR POWER CONNECTION TO ROOM SCHEDULER. PROVIDE 1/2" CONDUIT STUBBED UP 3" ABOVE ACCESSIBLE CEILING.
 - PROVIDE 1" CONDUIT FOR POWER AND 1-1/4" CONDUIT FOR LOW VOLTAGE OR FUTURE USE.
 - RECEPTACLE FOR ELECTRIC WATER COOLER.
 - RECEPTACLE FOR COPIER.
 - RECEPTACLE FOR DISPLAY MONITOR.
 - JUNCTION BOX FOR POWER CONNECTION TO HAND DRYER.
 - RECEPTACLE BELOW SINK FOR AUTOMATIC FAUCET POWER.
 - JUNCTION BOX FOR POWER CONNECTION TO DOOR HARDWARE POWER SUPPLY.
 - RECEPTACLES SHOWN DASHED ARE INTEGRAL WITH FURNITURE AND ARE SHOWN FOR REFERENCE ONLY.
 - JUNCTION BOX FOR POWER CONNECTION TO ELEVATOR CARD READER POWER SUPPLY.
 - PROVIDE RECEPTACLE LOCATED ON TOP OF ELEVATOR CAB. COORDINATE LOCATION WITH ELEVATOR VENDOR.
 - PROVIDE POWER CONNECTION TO MOTORIZED SHADE AND WIRE TO SWITCH (BY SHADE MANUFACTURER). PROVIDE #18 AWG TWISTED PAIR CONDUCTORS TO BAS PANEL SYSTEM. FIELD VERIFY EXACT LOCATION WITH ARCHITECT AND REQUIREMENTS PRIOR TO ROUGH-IN.
 - PROVIDE POWER CONNECTION THROUGH INTEGRAL DISCONNECT SWITCH.
 - ACCU-1 AND ACCU-2 (208V, 1PH) PROVIDE 30/20/2P FUSIBLE SWITCH SERVING THE UNIT. E.G. TO MAKE FINAL CONNECTIONS TO AC UNIT LOCATED IN IT ROOMS 125 AND 211.
 - FUSIBLE DISCONNECT FOR DOAS-1. REFER TO SHEET E7.01 FOR ADDITIONAL INFORMATION.
 - FUSIBLE DISCONNECTS FOR VRF OUTDOOR UNITS. REFER TO SHEET E7.01 FOR ADDITIONAL INFORMATION.
 - RECEPTACLE FOR CATALOG PC.
 - RECEPTACLE FOR PRINTER.
 - EF-1 (120V, 1PH). PROVIDE POWER CONNECTION THROUGH INTEGRAL DISCONNECT SWITCH.
 - PROVIDE 4" x 4" x 2-5/8" DEEP JUNCTION BOX IN FLOOR FOR POWER AND DATA CONNECTIONS TO SYSTEM FURNITURE. MAKE FINAL CONNECTIONS VIA LIQUIDTIGHT FLEXIBLE CONDUIT. COORDINATE QUANTITY AND LOCATION WITH CML PRIOR TO ROUGH-IN. RECEPTACLES SHOWN DASHED ARE INTEGRAL WITH FURNITURE AND ARE SHOWN FOR REFERENCE ONLY.
 - CIRCUIT TO GFCI BREAKER AND LABEL RECEPTACLE "GFCI PROTECTED".
 - PROVIDE POWER CONNECTION TO AUTOMATIC DOOR OPERATOR. MAKE FINAL CONNECTIONS TO PUSH BUTTONS.
 - PROVIDE CONNECTION FROM DOOR OPERATORS TO HANDICAP BUTTONS.
 - IN THIS ROOM DEVICE AND WALL PLATE FINISHES SHALL BE SELECTED BY ARCHITECT.

REVISION SCHEDULE		
#	DATE	REVISION DESCRIPTION
1	07.05.22	Addendum 01
2	07.11.22	Addendum 03

PROJECT NAME:

CML REYNOLDSBURG
 1402 BRICE ROAD
 REYNOLDSBURG, OHIO 43068

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ISSUE DATE: 06/10/22

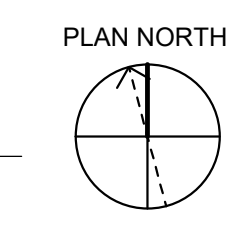
AEC ADVANCED
 ENGINEERING
 CONSULTANTS
 Mechanical | Electrical | Plumbing | Fire Protection
 1405 Dublin Road, Suite: (614) 486-4778
 Columbus, Ohio 43215 Fax: (614) 486-4082



LEVEL 2 POWER PLAN

E2.02

1 SECOND FLOOR PLAN - POWER
 1/8" = 1'-0"



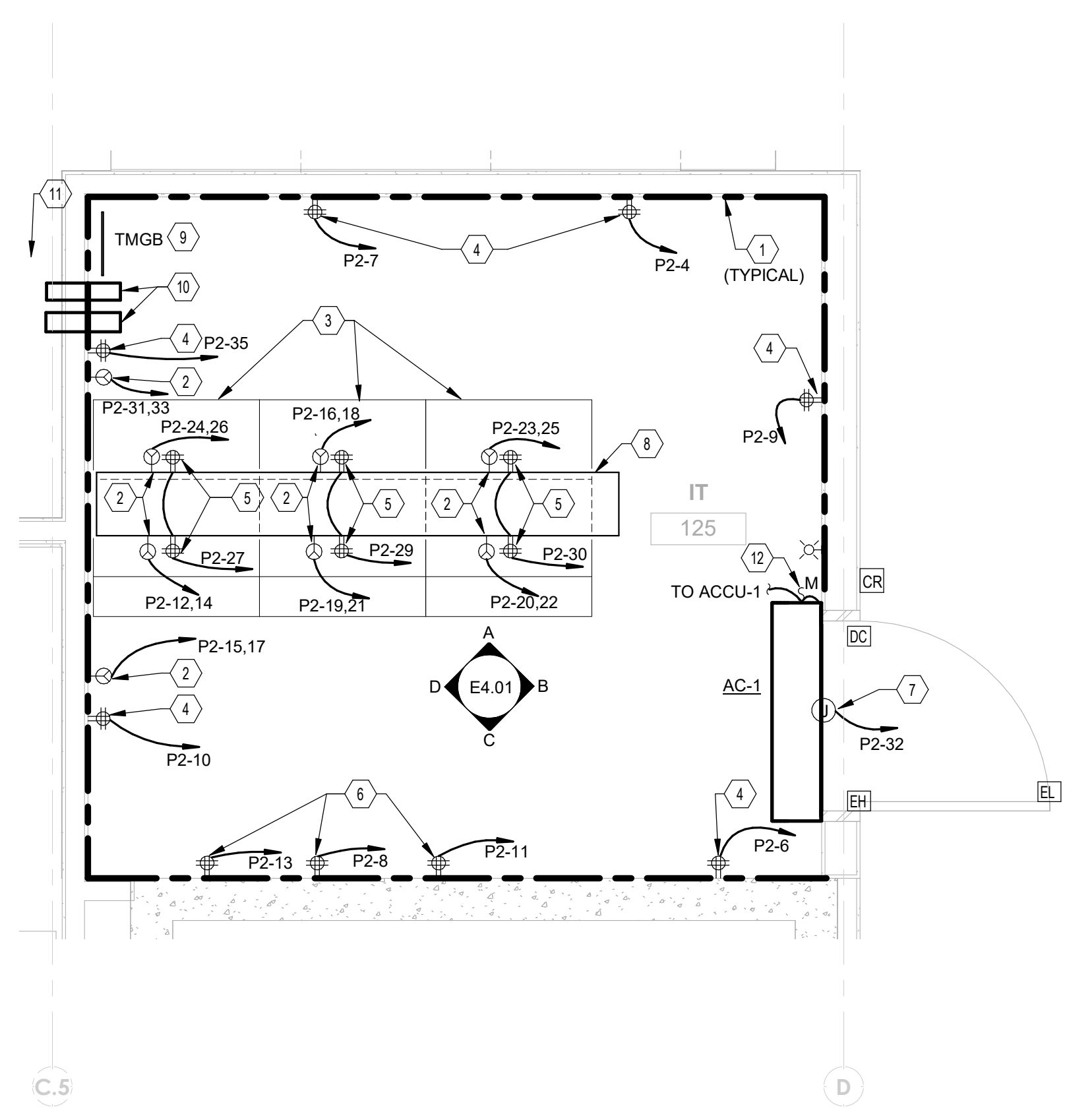
7/11/2022 2:49:38 PM © 2017 JONATHAN BARNES ARCHITECTURE & DESIGN, LTD.

GENERAL NOTES:

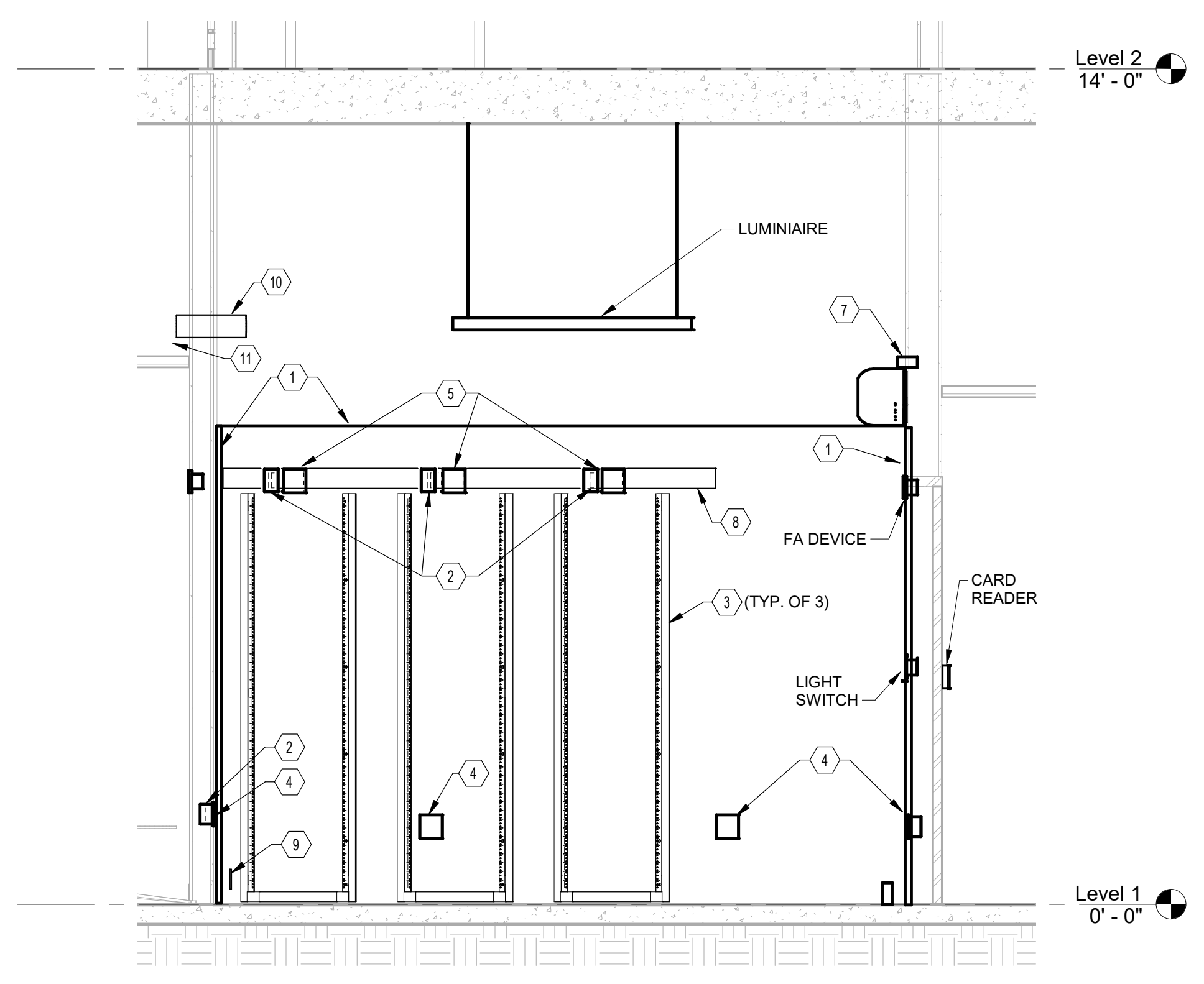
- A. COORDINATE ALL REQUIREMENTS OF WALL AND CEILING DEVICES WITH OTHER TRADE DRAWINGS AND SPECIFICATIONS PRIOR TO ROUGH-IN.
- B. REFER TO DRAWINGS AND SPECIFICATIONS OF OTHER CONSTRUCTION TRADES FOR ADDITIONAL ELECTRICAL WORK INCLUDED IN DIVISION 26, 27 AND 28.
- C. PROVIDE FINAL CONNECTIONS AS SHOWN TO ALL EQUIPMENT SHOWN PER MANUFACTURER'S PUBLISHED INSTRUCTION.
- D. REFER TO MECHANICAL SCHEDULE SHEETS M6.01 AND M6.02 FOR ADDITIONAL INFORMATION.

CODED NOTES:

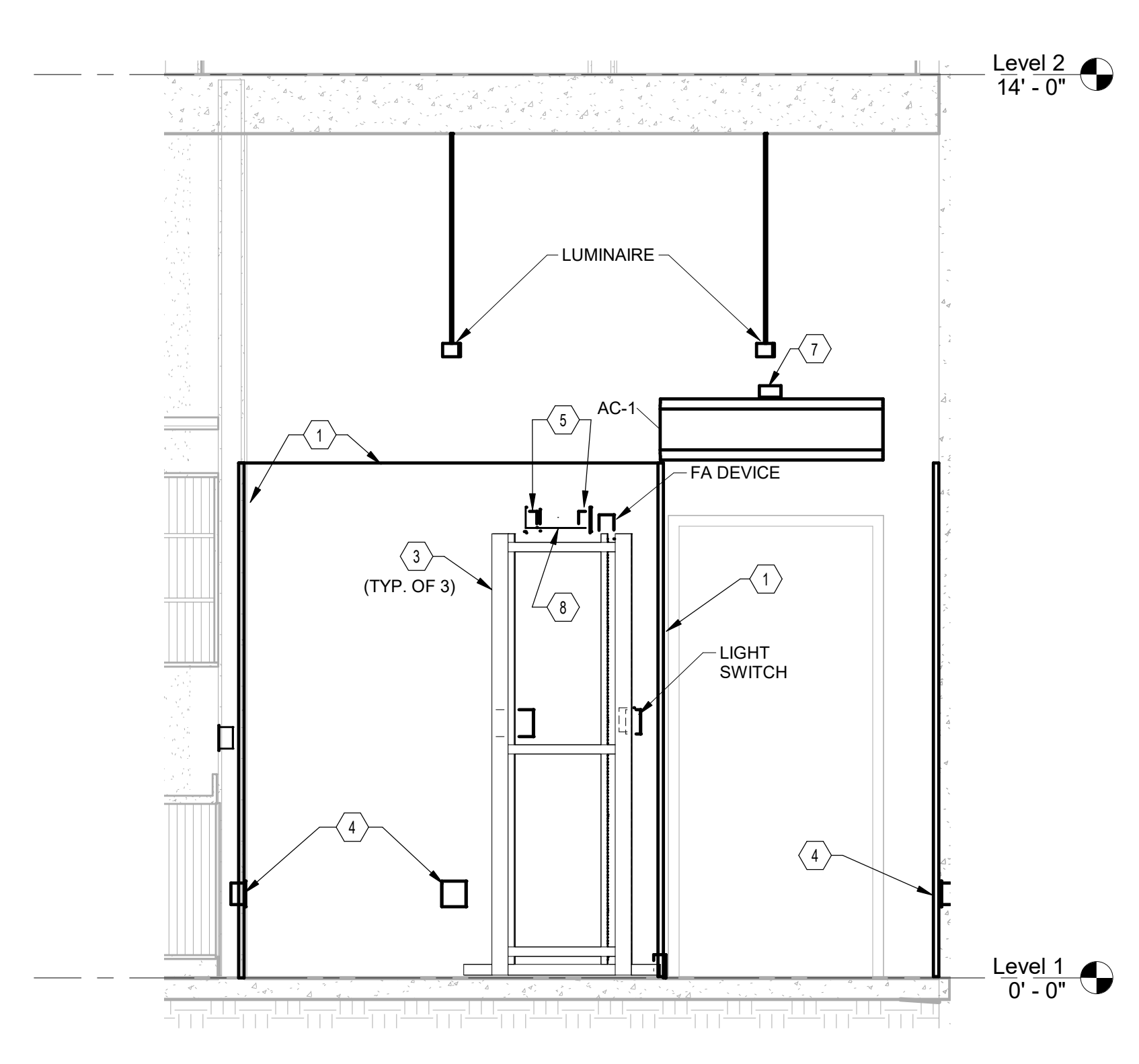
- 1. 4' X 8' X 3/4" PLYWOOD BACKBOARD AROUND THE ENTIRE ROOM FOR DATA AND COMMUNICATION EQUIPMENT. PAINT WITH GRAY FIRE RETARDANT MARINE PAINT.
- 2. L5-30R RECEPTACLE (208V, 1PH). COORDINATE EXACT LOCATION WITH OWNER.
- 3. 4-POST FLOOR OPEN FRAME, 24" X 24" DATA RACK WITH 6" VERTICAL CABLE MANAGERS. REFER TO DETAIL 4/TS.01
- 4. RECEPTACLE FOR DATA AND COMMUNICATION EQUIPMENT.
- 5. RECEPTACLE MOUNTED ON SIDE OF CABLE TRAY TO SERVE RACK EQUIPMENT.
- 6. RECEPTACLE FOR ACCESS CONTROL SYSTEM EQUIPMENT. FIELD COORDINATE EXACT LOCATION OF EQUIPMENT PRIOR TO ROUGH-IN.
- 7. JUNCTION BOX FOR POWER CONNECTION FOR DOOR HARDWARE POWER SUPPLY (120V, 1PH). REFER TO DETAIL 1/TS.01 FOR ADDITIONAL CONNECTIONS.
- 8. 12" WIDE CABLE TRAY INSTALLED ABOVE RACK TO SERVE CABLING.
- 9. PROVIDE TMGB. REFER TO DETAIL 6/E5.01 AND SPECIFICATION SECTION 27 05 26.
- 10. (2) 4" CONDUIT SLEEVES.
- 11. CABLE TRAY TO SERVE DATA CABLING. REFER TO SHEET T1.01 FOR ADDITIONAL INFORMATION.
- 12. AC-1: PROVIDE 30/2P MANUAL MOTOR SWITCH. MAKE FINAL CONNECTION TO CONDENSING UNIT (ACCU-1) LOCATED ON THE ROOF.



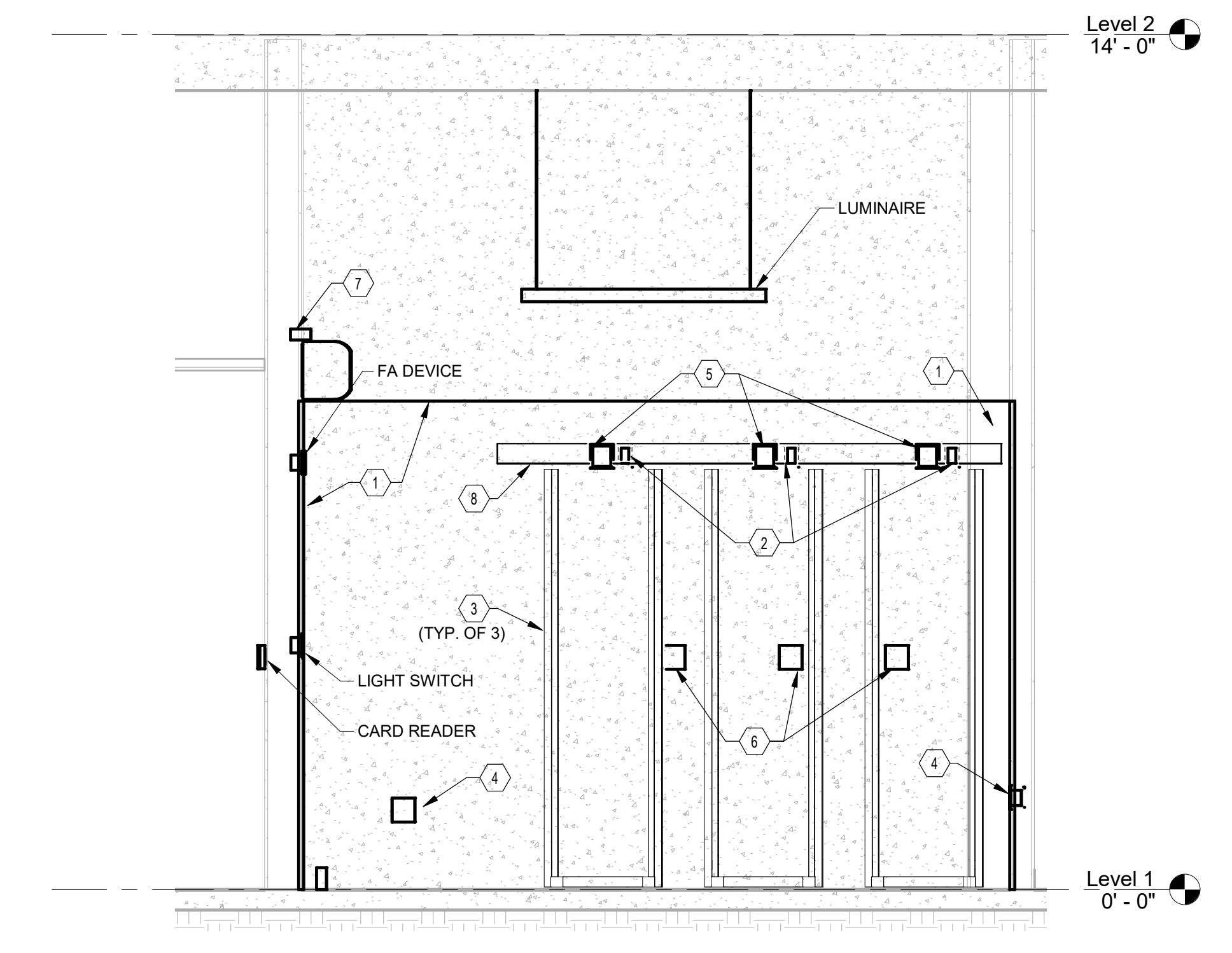
1 ENLARGED PLAN - ELECTRICAL - IT ROOM 125
1/2" = 1'-0"



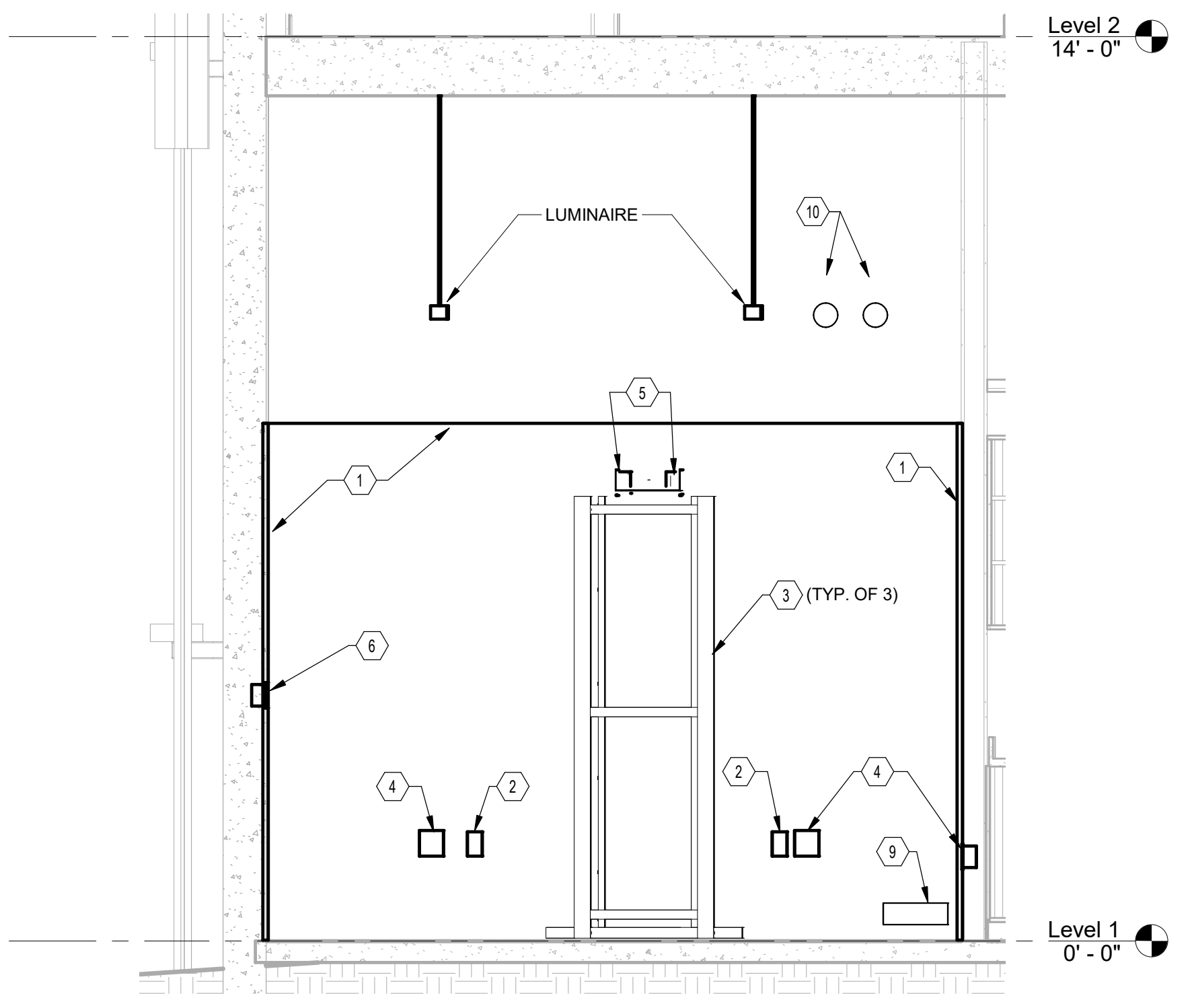
A ELEVATION A - ELECTRICAL - IT ROOM 125
1/2" = 1'-0"



B ELEVATION B - ELECTRICAL - IT ROOM 125
1/2" = 1'-0"



C ELEVATION C - ELECTRICAL - IT ROOM 125
1/2" = 1'-0"



D ELEVATION D - ELECTRICAL - IT ROOM 125
1/2" = 1'-0"

REVISION SCHEDULE		
#	DATE	REVISION DESCRIPTION

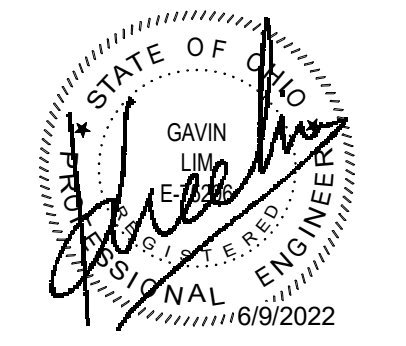
PROJECT NAME :

CML REYNOLDSBURG
1402 BRICE ROAD
REYNOLDSBURG, OHIO 43068

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ISSUE DATE : 06/10/22

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1405 Dublin Road, Suite: (614) 486-4775
Columbus, Ohio 43215 Fax: (614) 486-4082



ENLARGED PLANS - IT ROOM 125 -
POWER AND SYSTEMS

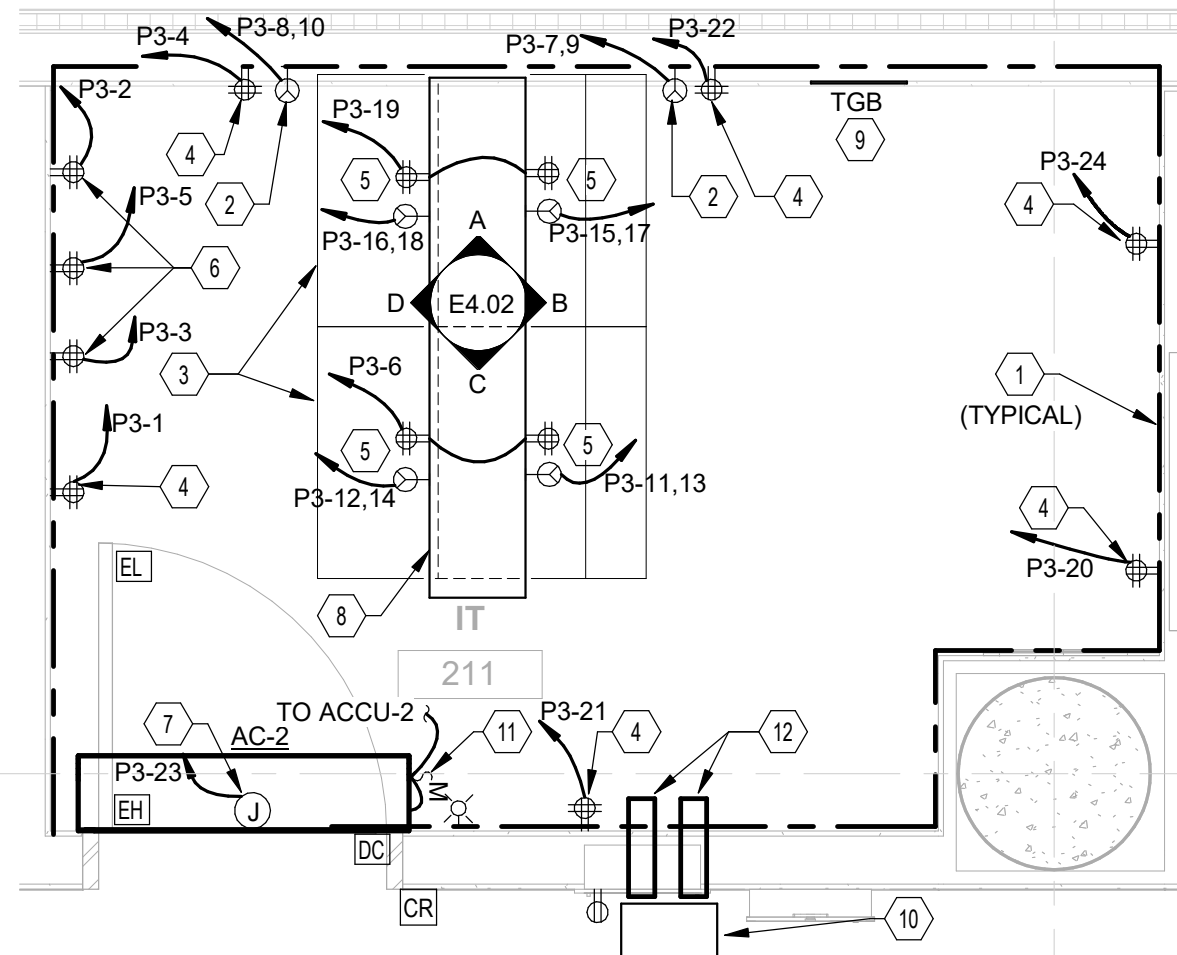
E4.01

GENERAL NOTES:

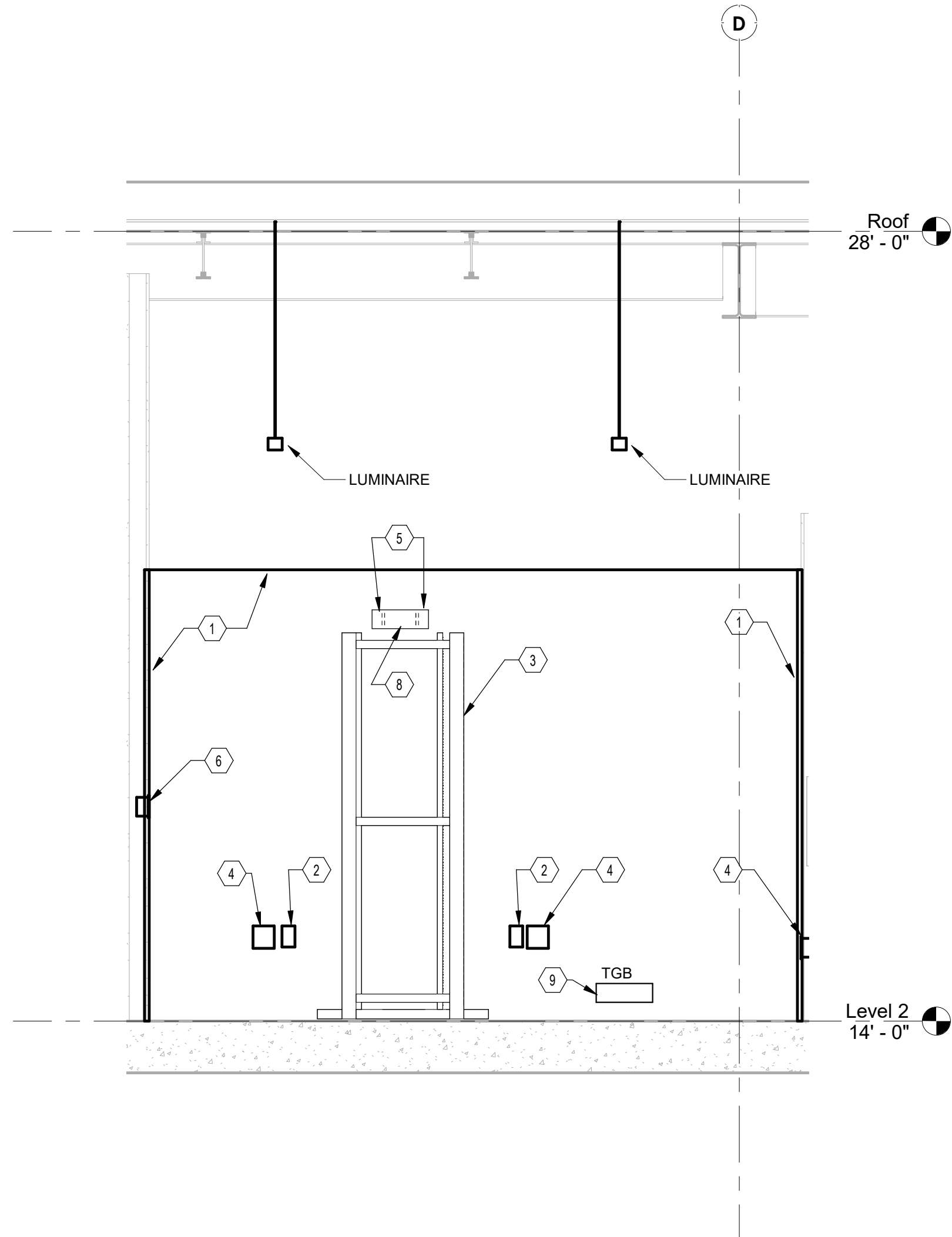
- A. COORDINATE ALL REQUIREMENTS OF WALL AND CEILING DEVICES WITH OTHER DISCIPLINE DRAWINGS AND SPECIFICATIONS PRIOR TO ROUGH-IN.
- B. REFER TO DRAWINGS AND SPECIFICATIONS OF OTHER CONSTRUCTION TRADES FOR ADDITIONAL ELECTRICAL WORK INCLUDED IN DIVISION 26, 27 AND 28.
- C. PROVIDE FINAL CONNECTIONS AS SHOWN TO ALL EQUIPMENT SHOWN PER MANUFACTURERS PUBLISHED INSTRUCTION.
- D. REFER TO MECHANICAL SCHEDULE SHEETS M6.01 AND M6.02 FOR ADDITIONAL INFORMATION.

CODED NOTES:

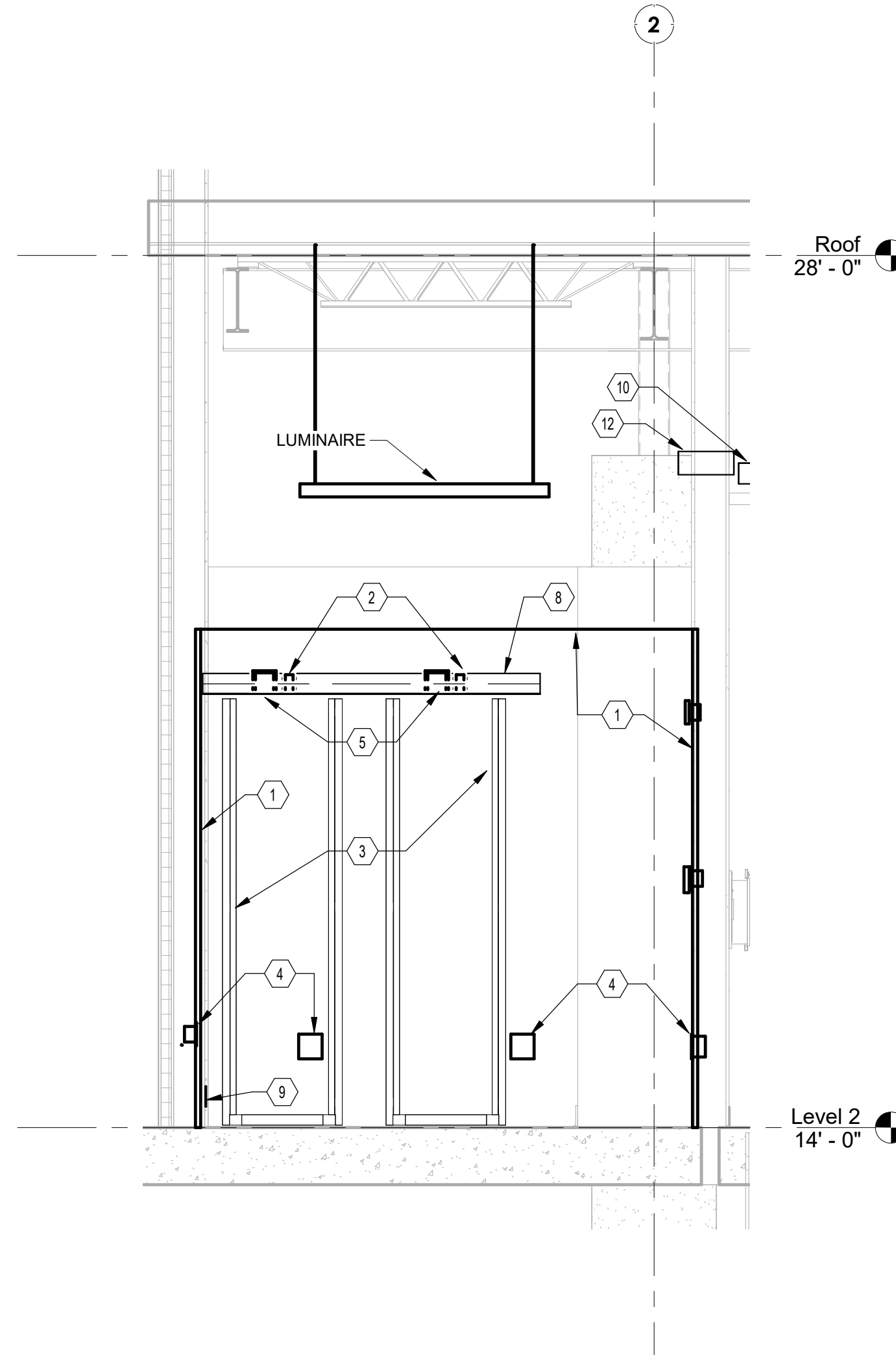
- 1. 4" X 8" X 3/4" PLYWOOD BACKBOARD AROUND THE ENTIRE ROOM FOR DATA AND COMMUNICATION EQUIPMENT. PAINT WITH GRAY FIRE RETARDANT MARINE PAINT.
- 2. LS-30R RECEPTACLE (208V, 1PH), COORDINATE EXACT LOCATION WITH OWNER.
- 3. 4-POST FLOOR OPEN FRAME, 24" X 24" DATA RACK WITH 6" VERTICAL CABLE MANAGERS. REFER TO DETAIL 4/15.01
- 4. RECEPTACLE FOR DATA AND COMMUNICATION EQUIPMENT.
- 5. RECEPTACLE MOUNTED ON SIDE OF CABLE TRAY TO SERVE RACK EQUIPMENT.
- 6. RECEPTACLE FOR ACCESS CONTROL SYSTEM EQUIPMENT. FIELD COORDINATE EXACT LOCATION OF EQUIPMENT PRIOR TO ROUGH-IN.
- 7. JUNCTION BOX FOR POWER CONNECTION FOR DOOR HARDWARE POWER SUPPLY (120V, 1PH). REFER TO DETAIL 2/15.01 FOR ADDITIONAL CONNECTIONS.
- 8. 12" WIDE CABLE TRAY INSTALLED ABOVE RACK TO SERVE CABLING.
- 9. PROVIDE TGB. REFER TO DETAIL 2/15.01 AND SPECIFICATION SECTION 27 05 26.
- 10. CABLE TRAY TO SERVE DATA CABLING. REFER TO SHEET T1.02 FOR ADDITIONAL INFORMATION.
- 11. AC-2: PROVIDE 30/2P MANUAL MOTOR SWITCH. MAKE FINAL CONNECTION TO CONDENSING UNIT (ACCU-2) LOCATED ON THE ROOF.
- 12. (2) 4" CONDUIT SLEEVES



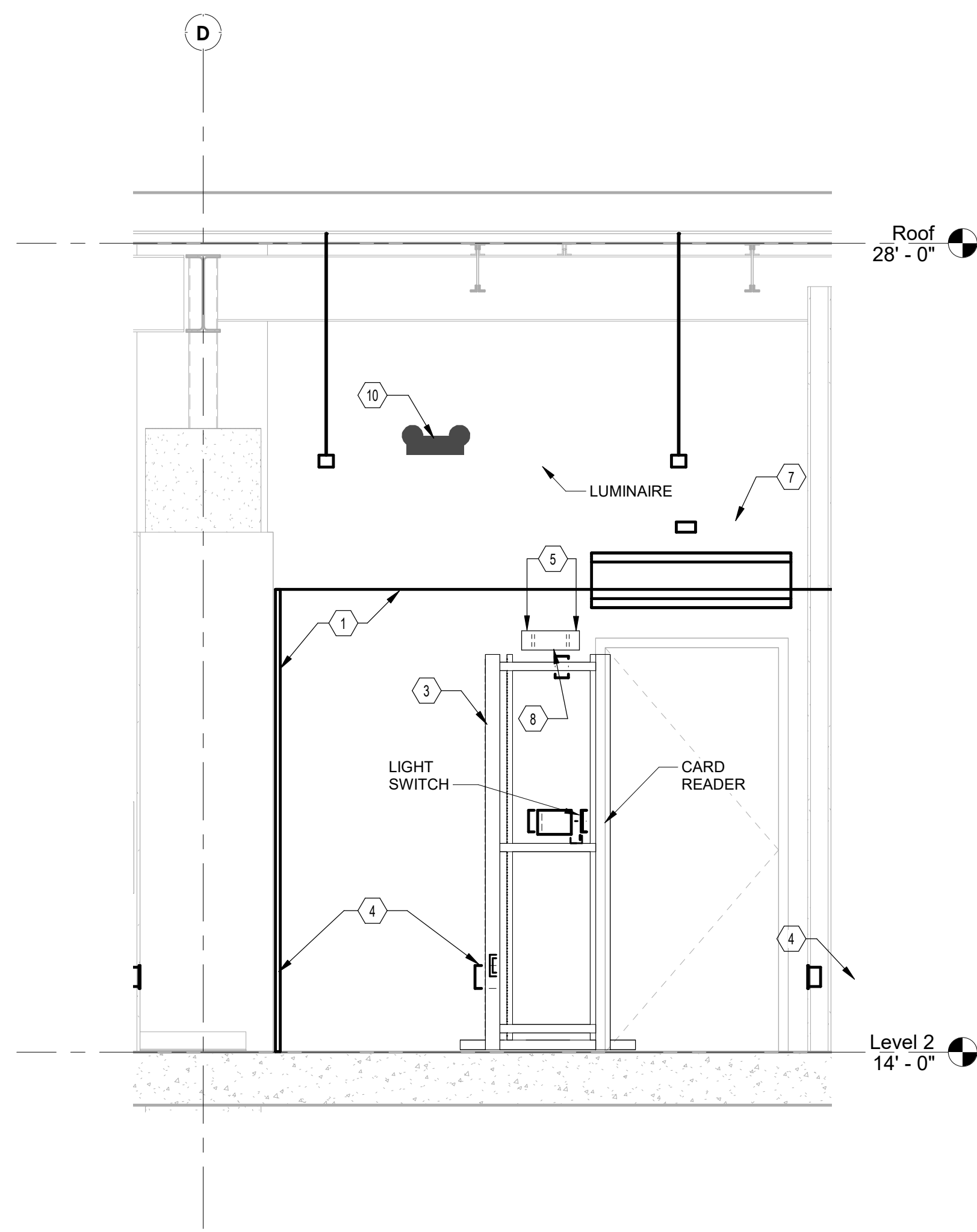
1 ENLARGED PLAN - ELECTRICAL - IT ROOM 211
1/2" = 1'-0"



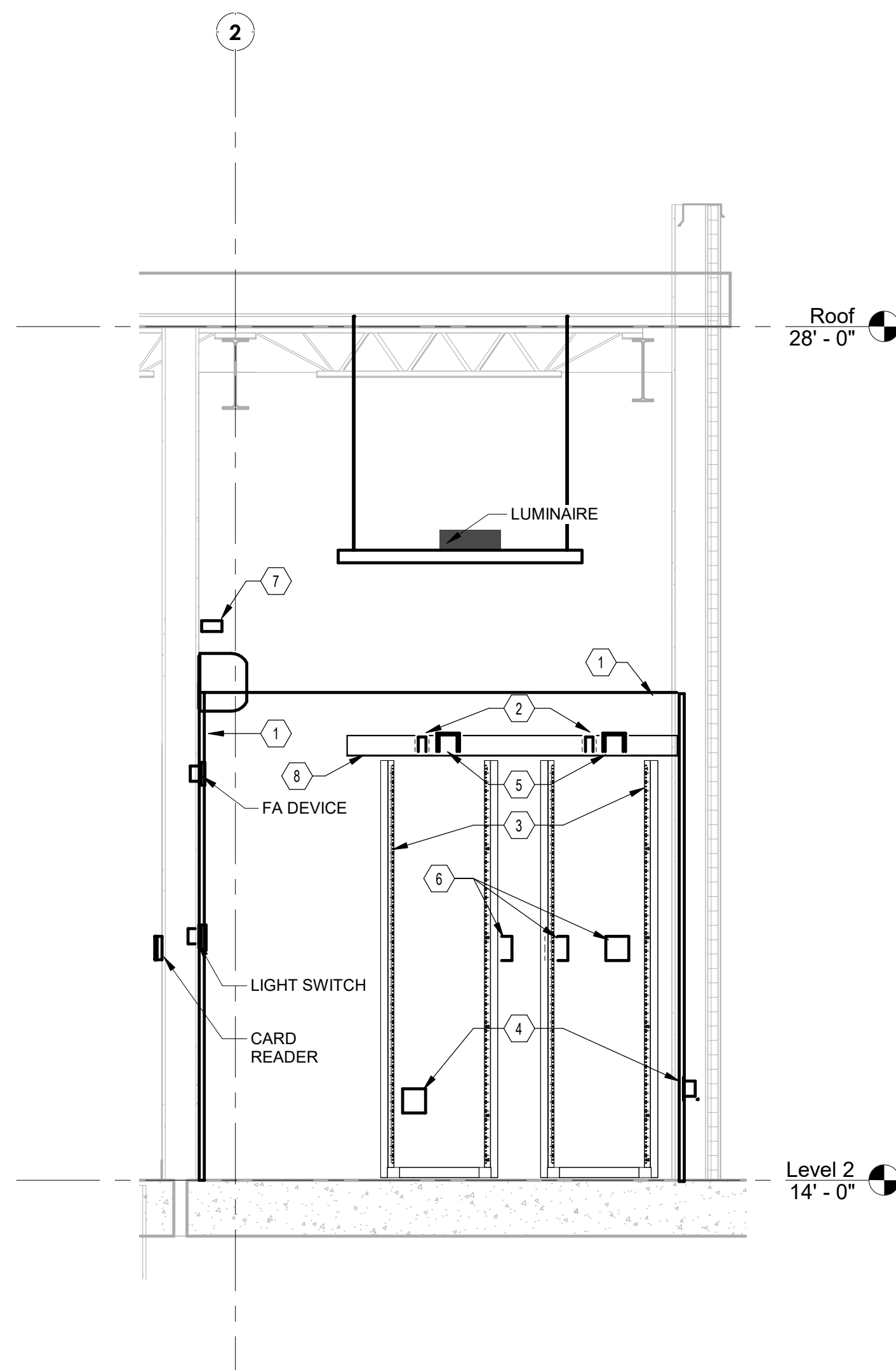
A ELEVATION A - ELECTRICAL - IT ROOM 211
1/2" = 1'-0"



B ELEVATION B - ELECTRICAL - IT ROOM 211
1/2" = 1'-0"



C ELEVATION C - ELECTRICAL - IT ROOM 211
1/2" = 1'-0"



D ELEVATION D - ELECTRICAL - IT ROOM 211
1/2" = 1'-0"

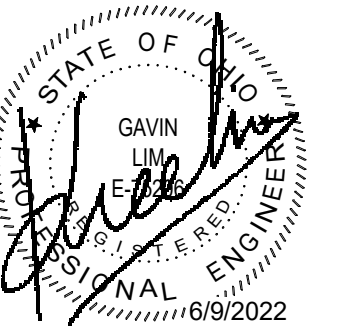
REVISION SCHEDULE		
#	DATE	REVISION DESCRIPTION

PROJECT NAME :

CML REYNOLDSBURG
1402 BRICE ROAD
REYNOLDSBURG, OHIO 43068

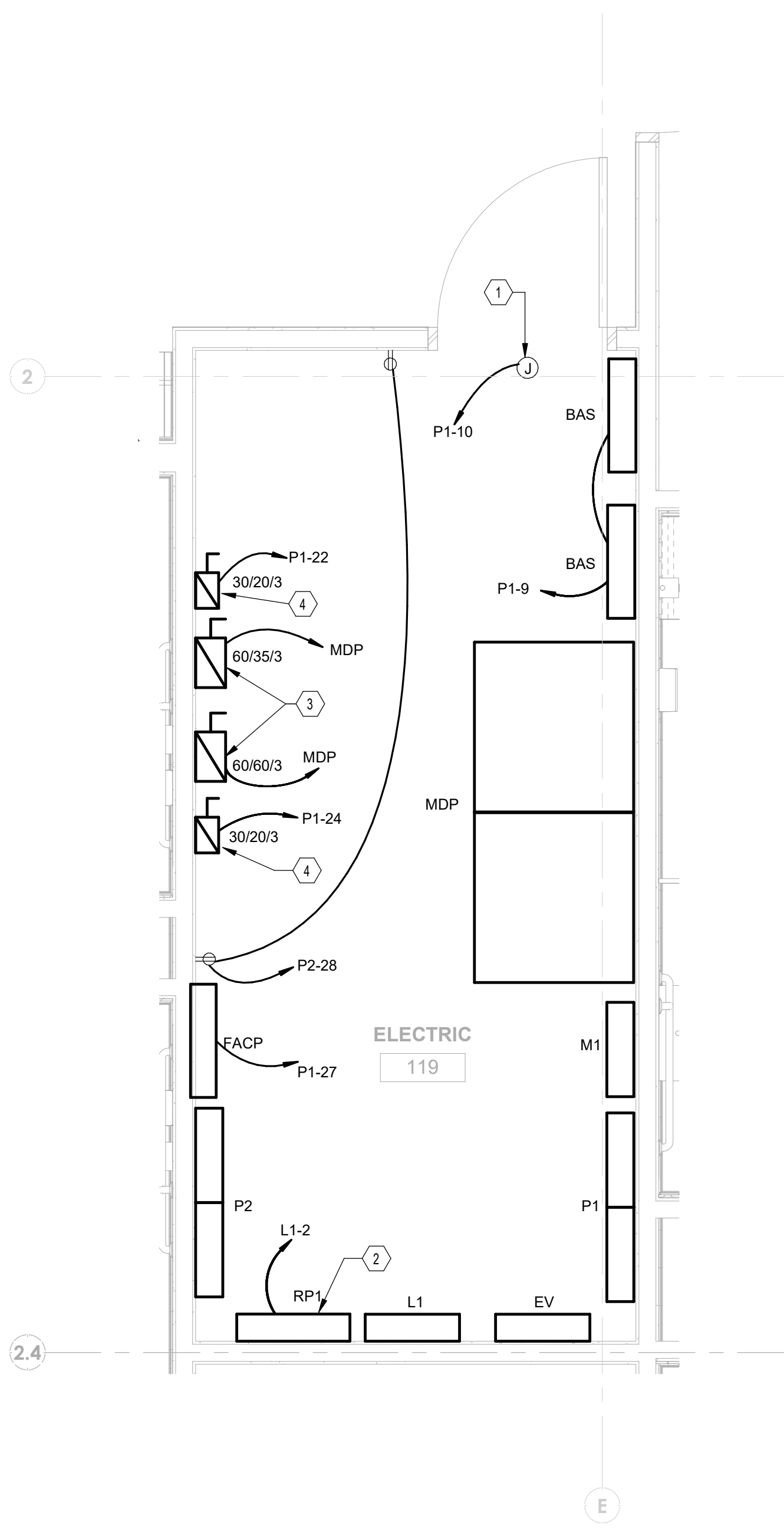
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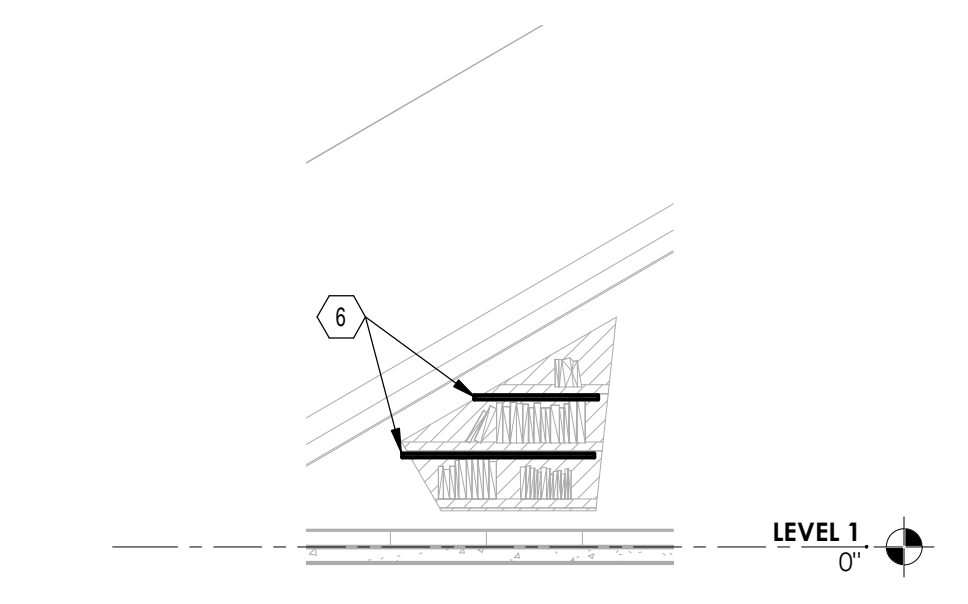


ENLARGED PLANS - IT ROOM 211 -
POWER AND SYSTEMS

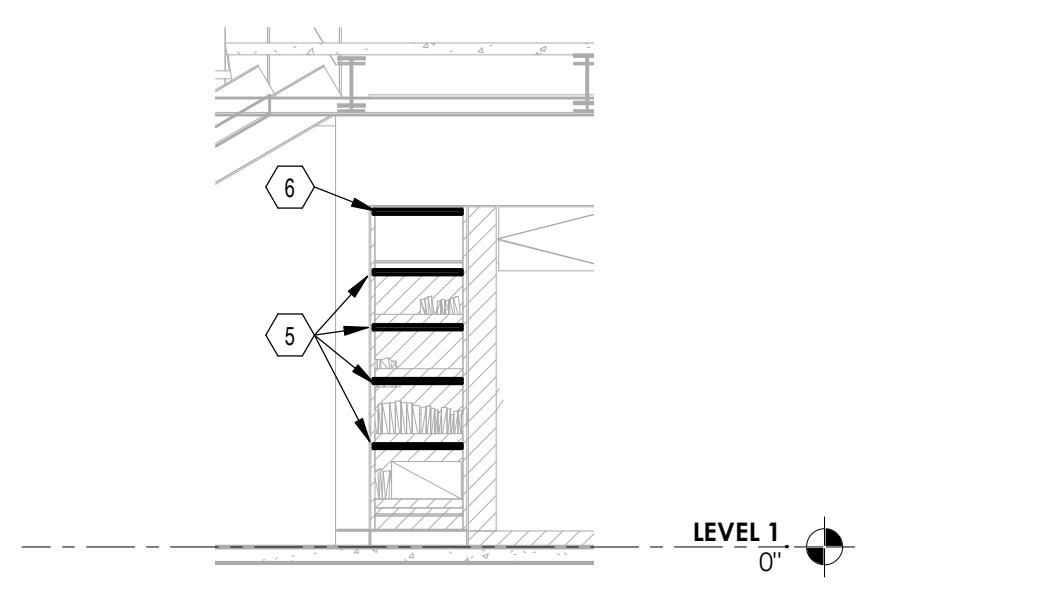
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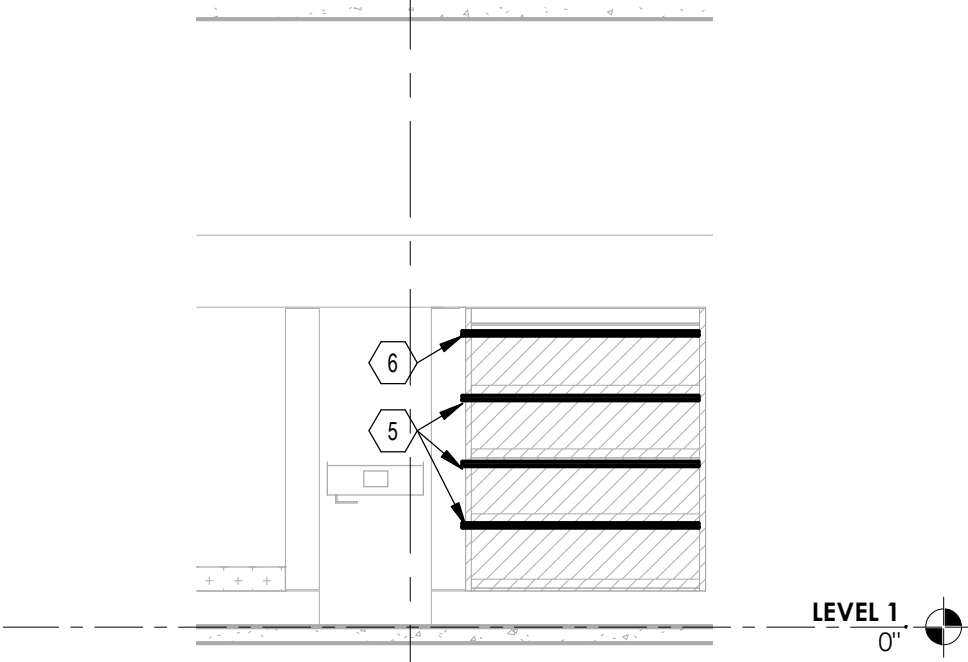
1 ENLARGED PLAN - ELECTRICAL ROOM 119 - POWER
1/2" = 1'-0"



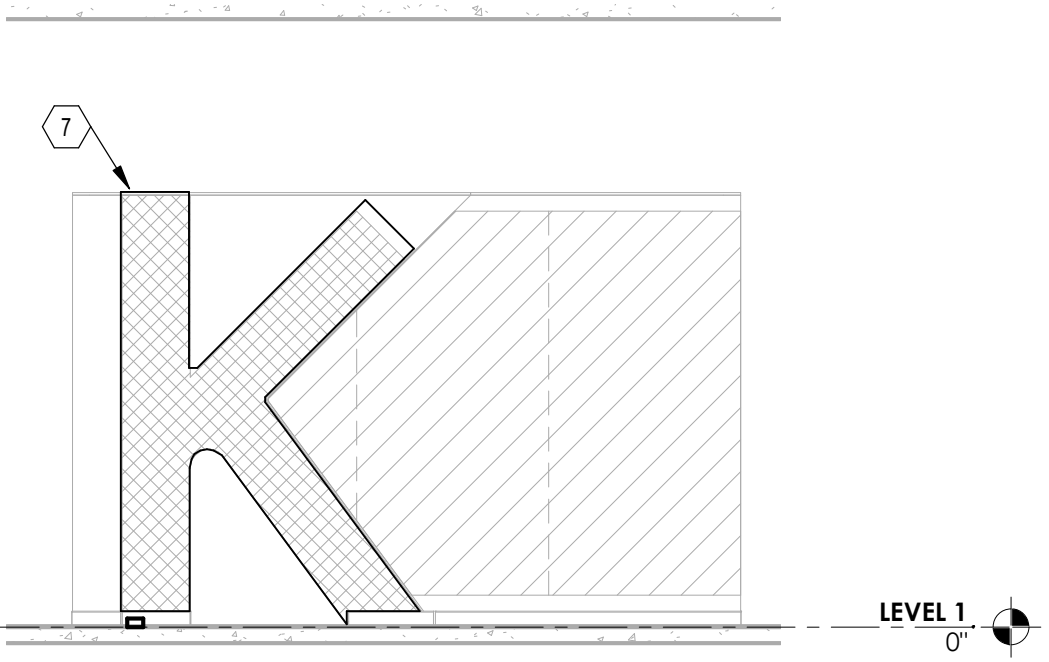
2 ENTRY HALL BOOKCASE LTG 1
1/4" = 1'-0"



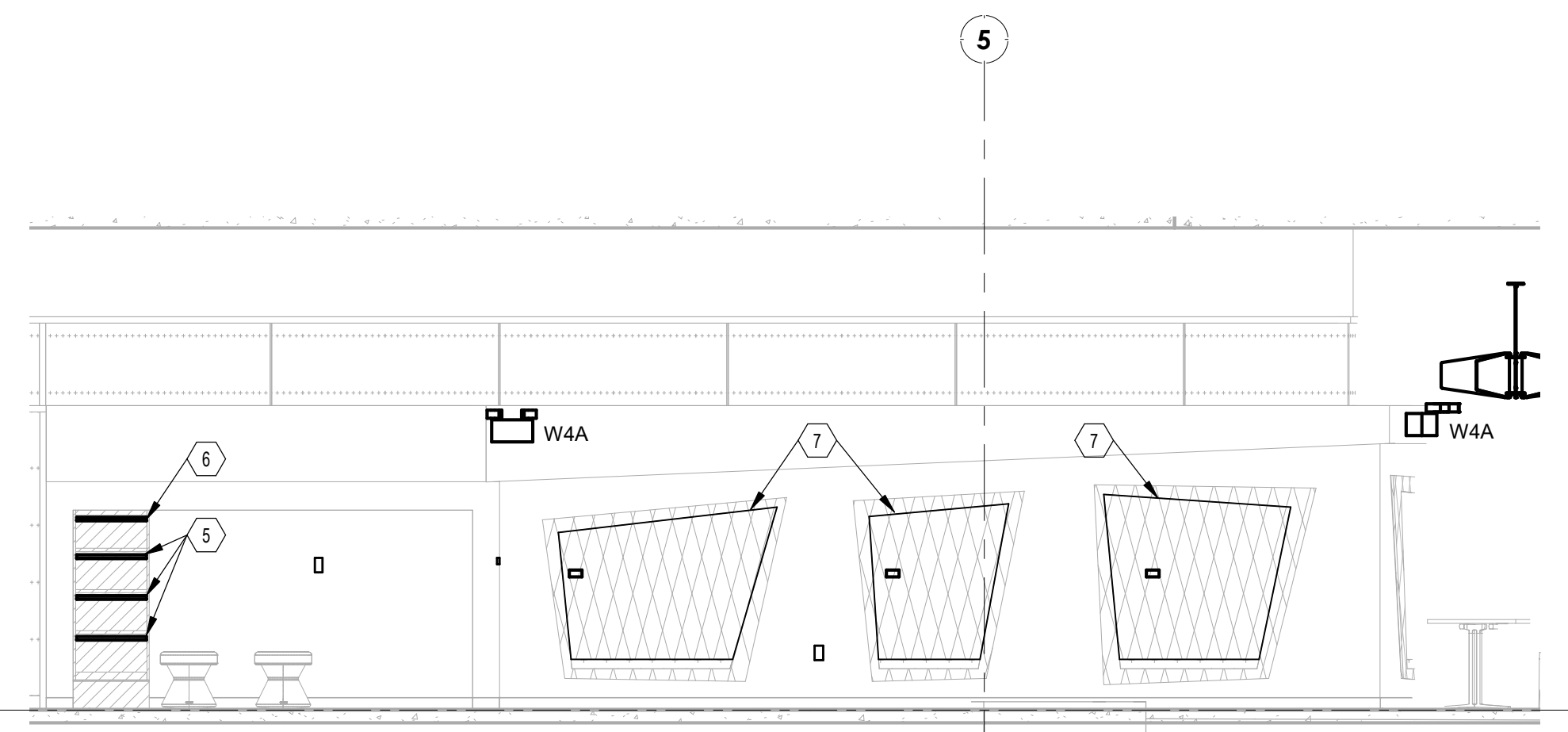
3 ENTRY HALL BOOKCASE LTG 2
1/4" = 1'-0"



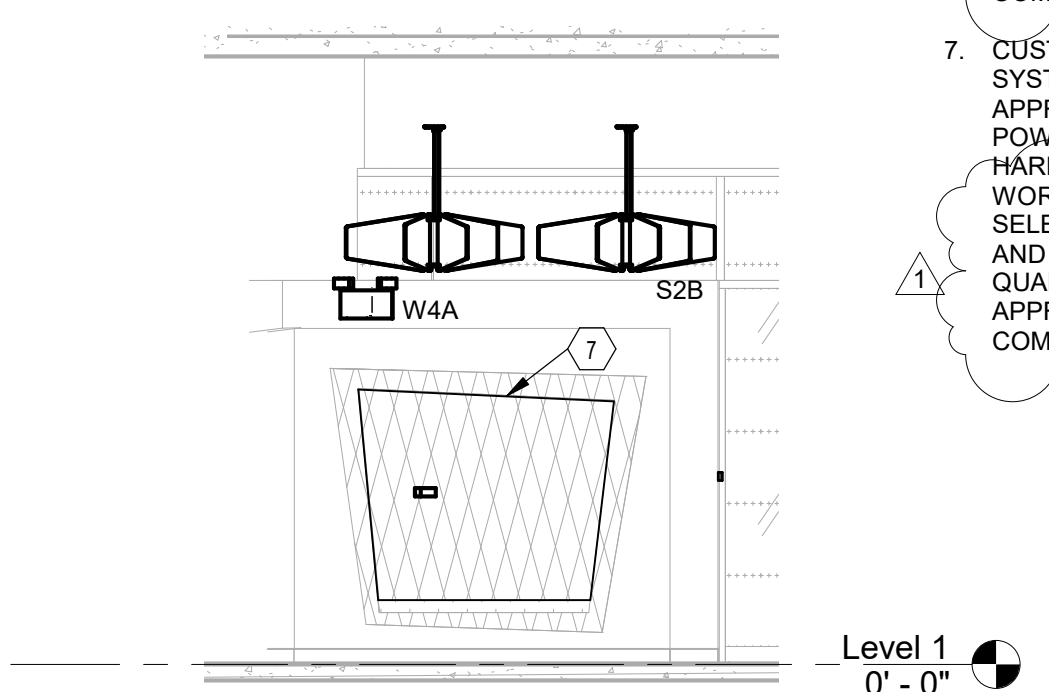
4 READY FOR K BOOKCASE LTG
1/4" = 1'-0"



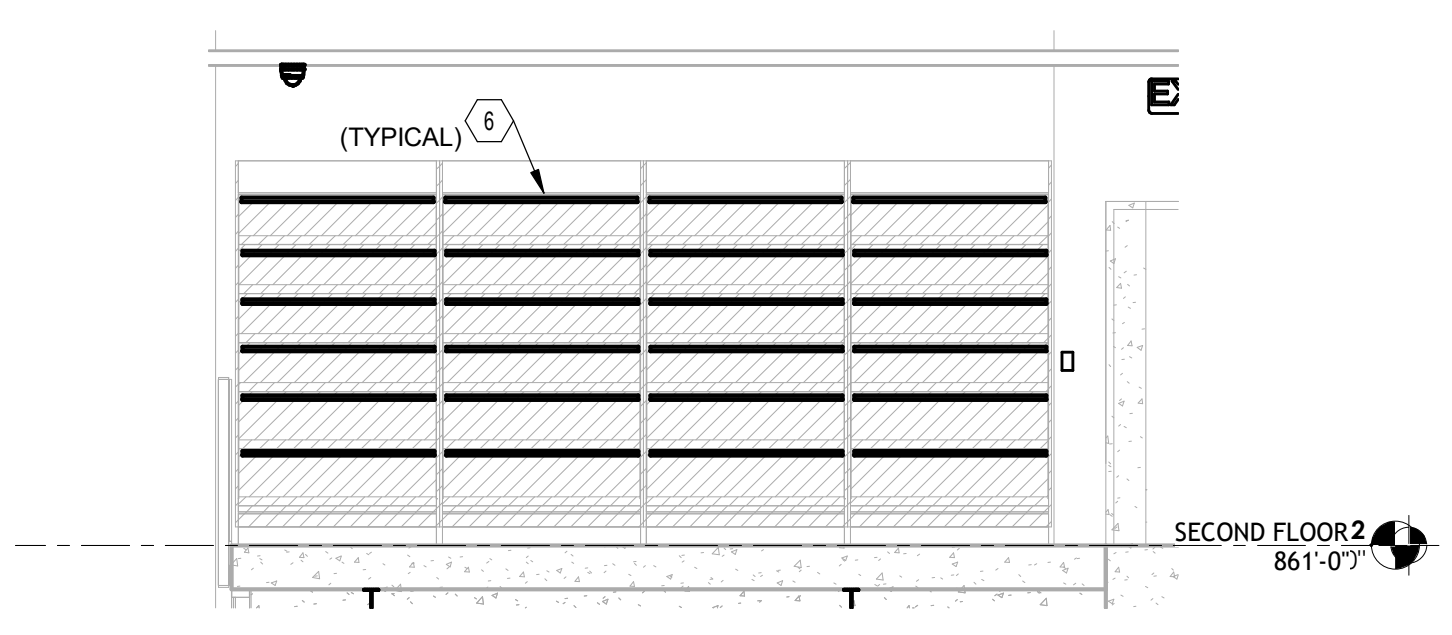
5 READY FOR K SIGN
1/4" = 1'-0"



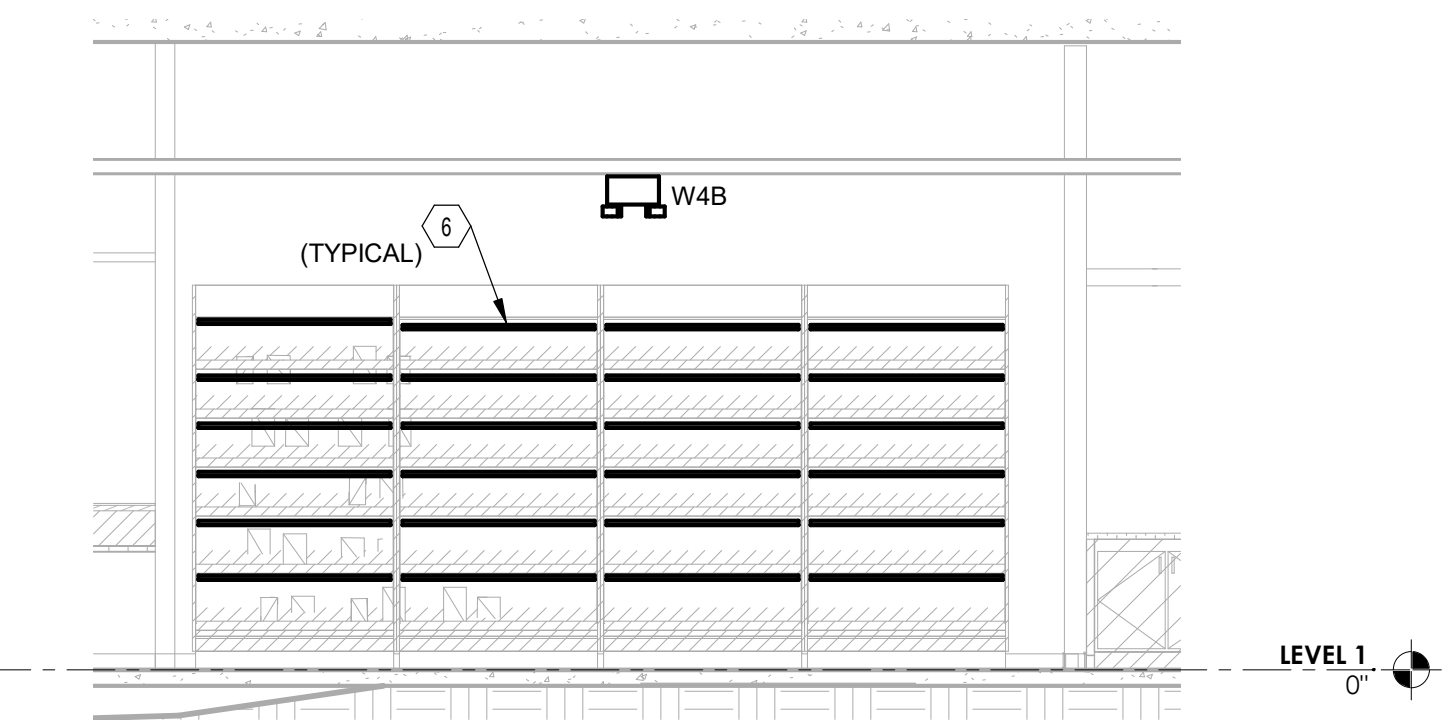
6 YOUNG CHILDRENS BOOKCASE LTG
1/4" = 1'-0"



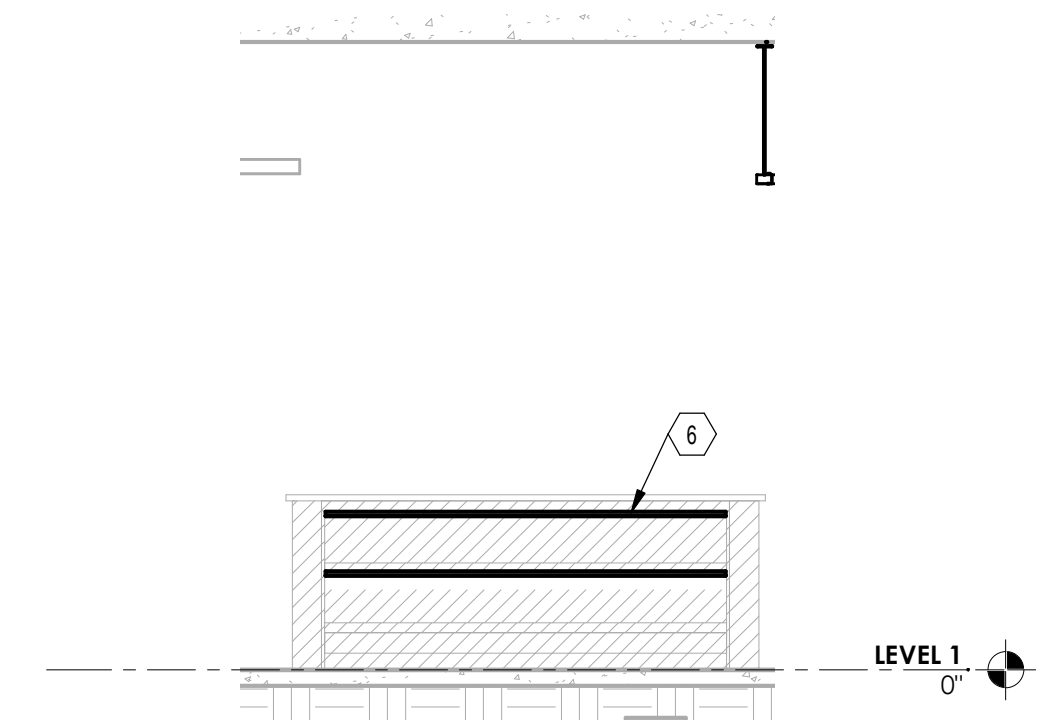
7 TWEENS BOOKCASE LTG
1/4" = 1'-0"



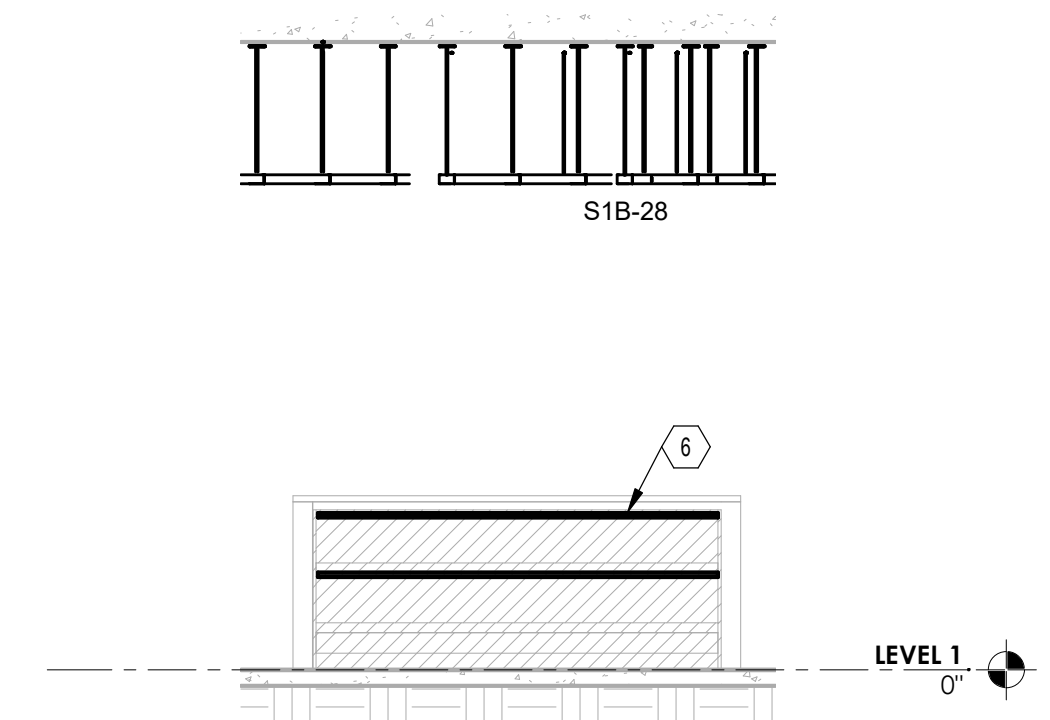
11 READING/STUDY 200.1 BOOKCASE LTG
1/4" = 1'-0"



8 ENTRY HALL BOOKCASE LTG
1/4" = 1'-0"



9 BUSINESS CENTER BOOKCASE LTG
1/4" = 1'-0"



10 BUSINESS CENTER BOOKCASE LTG1
1/4" = 1'-0"

- GENERAL NOTES:**
- FIELD VERIFY EXACT LOCATIONS OF ALL RECEPTACLES AND EQUIPMENT. REFER TO DRAWINGS AND SPECIFICATIONS OF OTHER CONSTRUCTION WORK TRADES FOR ADDITIONAL ELECTRICAL WORK INCLUDED IN DIVISION 26.
 - COORDINATE ALL ROUGH-IN REQUIREMENTS OF DEVICES IN CASEWORK, FURNITURE AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
 - UNLESS NOTED OTHERWISE, ALL CABLING SHALL BE EMT CONDUIT (MINIMUM 3/4") AND ROUTE PARALLEL AND TIGHT TO BUILDING STRUCTURE.
 - PROVIDE FINAL CONNECTIONS AS SHOWN TO ALL EQUIPMENT SHOWN PER MANUFACTURER'S PUBLISHED INSTRUCTION.
 - COORDINATE DEVICE COLOR SELECTIONS WITH ARCHITECT AND OWNER.
 - REFER TO SHEET E0.00 FOR ADDITIONAL INFORMATION ON FLOORBOX TYPE.
 - REFER TO MECHANICAL SCHEDULE SHEETS M6.01 AND M6.02 FOR ADDITIONAL INFORMATION.
 - COORDINATE FINAL FLOOR BOX LOCATION WITH ARCHITECTURAL FURNITURE PLANS.

- CODED NOTES:**
- PROVIDE JUNCTION BOX FOR POWER CONNECTION TO DOOR HARDWARE POWER SUPPLY.
 - LIGHTING CONTROL PANEL BY BAS VENDOR.
 - PROVIDE DISCONNECT SWITCH WITH SPD FOR ELEVATOR CONTROLLER. REFER TO SPECIFICATION 26 28 17 AND ELEVATOR SHOP DRAWINGS FOR ADDITIONAL INFORMATION.
 - PROVIDE DISCONNECT SWITCH FOR ELEVATOR CAB LIGHTING AND RECEPTACLE. REFER TO ELEVATOR SHOP DRAWINGS FOR ADDITIONAL INFORMATION.
 - BOOK DISPLAY LIGHTING. CORNER MOUNT LUMINAIRE WITH FROSTED LENS IN FRONT CORNER OF ANGLED SHELF (LED800-CMC OR EQUAL). PROVIDE POWER SUPPLIES, CONNECTORS, MOUNTING CLIPS, ETC TO MAKE A COMPLETE WORKING SYSTEM. REFER TO ELEVATION PLANS AND ARCHITECTURAL DETAILS FOR ADDITIONAL INFORMATION. LOCATE REMOTB DRIVER IN ACCESSIBLE LOCATION. BUILD MOCKUPS TO VERIFY SELECTIONS MADE UNDER SAMPLE SUBMITTALS AND TO DEMONSTRATE AESTHETIC EFFECTS AND QUALITIES OF MATERIALS AND EXECUTION. APPROVED MOCKUPS MAY BECOME PART OF THE COMPLETED WORK.
 - BOOK DISPLAY LIGHTING. RECESSED STRIP AT TOP FLAT SHELF (LED8000-LMC OR APPROVED EQUAL). PROVIDE POWER SUPPLIES, CONNECTORS, MOUNTING CLIPS, ETC TO MAKE A COMPLETE WORKING SYSTEM. REFER TO ELEVATION PLANS AND ARCHITECTURAL DETAILS FOR ADDITIONAL INFORMATION. LOCATE REMOTB DRIVER IN ACCESSIBLE LOCATION. BUILD MOCKUPS TO VERIFY SELECTIONS MADE UNDER SAMPLE SUBMITTALS AND TO DEMONSTRATE AESTHETIC EFFECTS AND QUALITIES OF MATERIALS AND EXECUTION. APPROVED MOCKUPS MAY BECOME PART OF THE COMPLETED WORK.
 - CUSTOM ILLUMINATED BACKLIT RGB MODULE SYSTEM. ALANSON SKYLINE ACLW-RGB3 40 OR APPROVED EQUAL. PROVIDE RGB CONTROLLER, POWER SUPPLIES, CONNECTORS, MOUNTING HARDWARE ETC. TO MAKE A COMPLETE WORKING SYSTEM. BUILD MOCKUPS TO VERIFY SELECTIONS MADE UNDER SAMPLE SUBMITTALS AND TO DEMONSTRATE AESTHETIC EFFECTS AND QUALITIES OF MATERIALS AND EXECUTION. APPROVED MOCKUPS MAY BECOME PART OF THE COMPLETED WORK.

REVISION SCHEDULE		
#	DATE	REVISION DESCRIPTION
1	07.05.22	Addendum 01

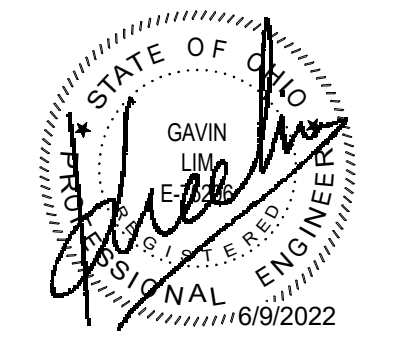
PROJECT NAME :

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1402 BRICE ROAD
REYNOLDSBURG, OHIO 43068

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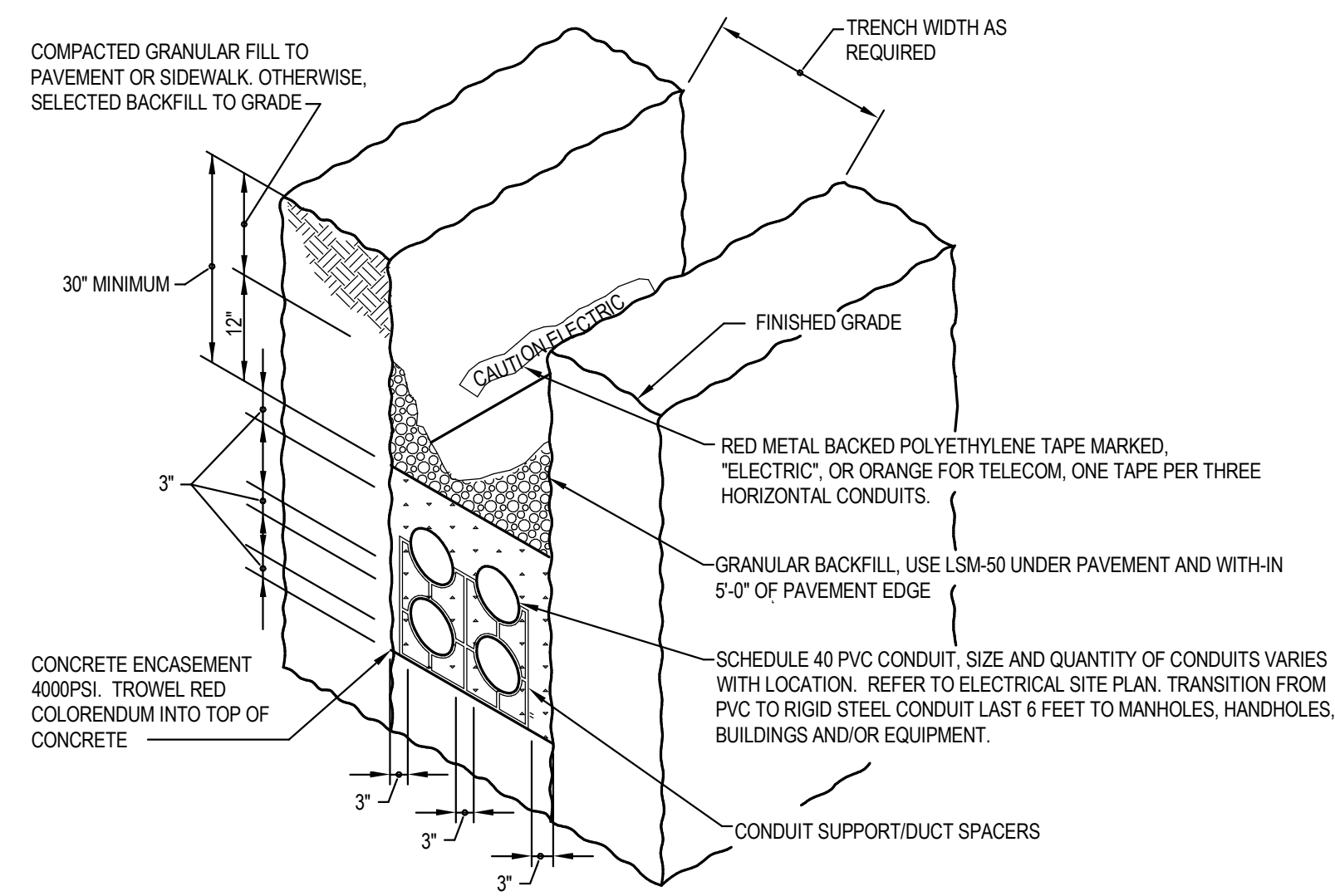
AEC ADVANCED ENGINEERING CONSULTANTS
Mechanical | Electrical | Plumbing | Fire Protection
1405 Dublin Road, Suite 614 | 43068-4778
Columbus, Ohio 43215 | Fax: (614) 486-4082



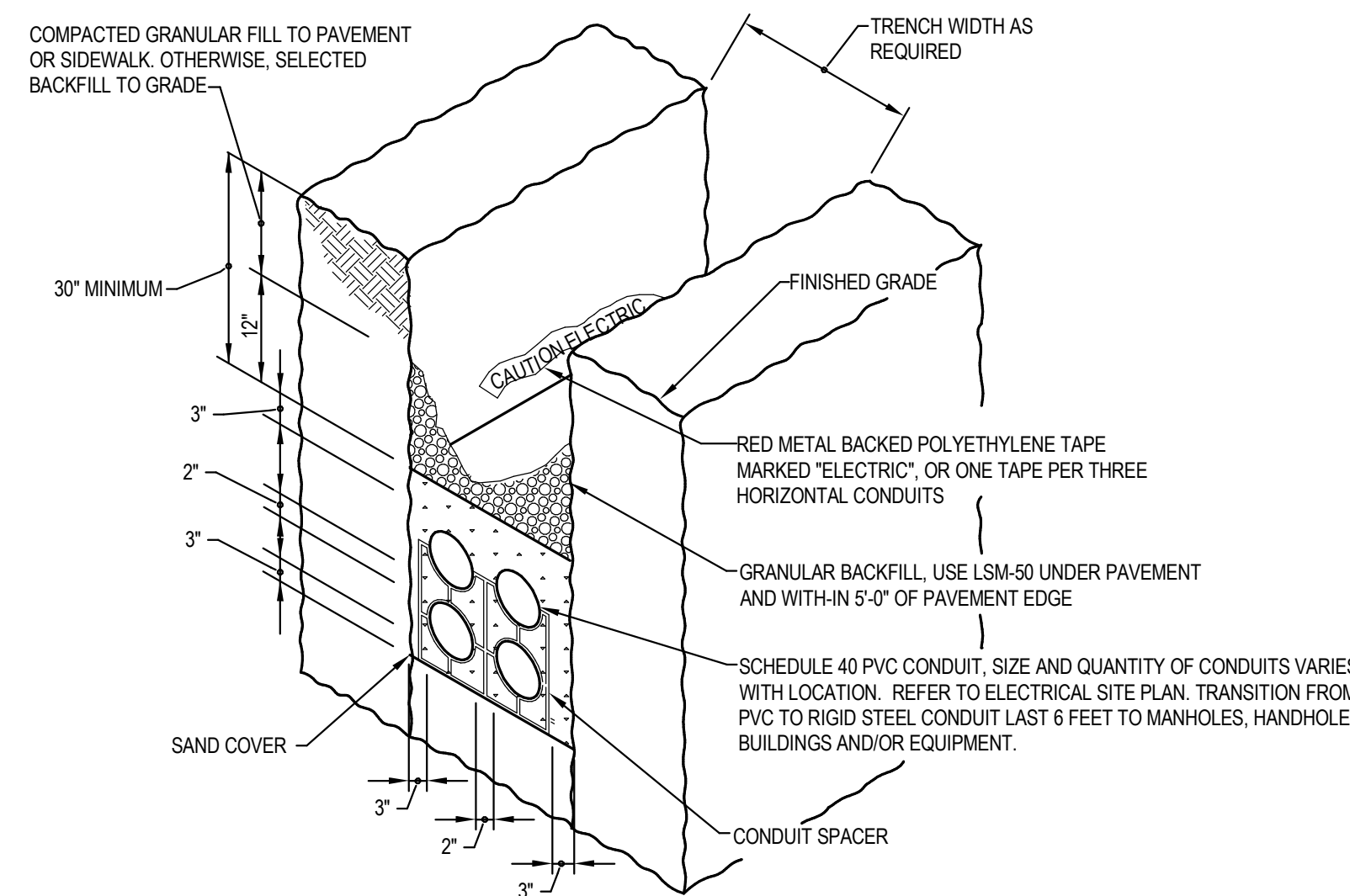
ENLARGED PLANS - SECTIONS

E4.03

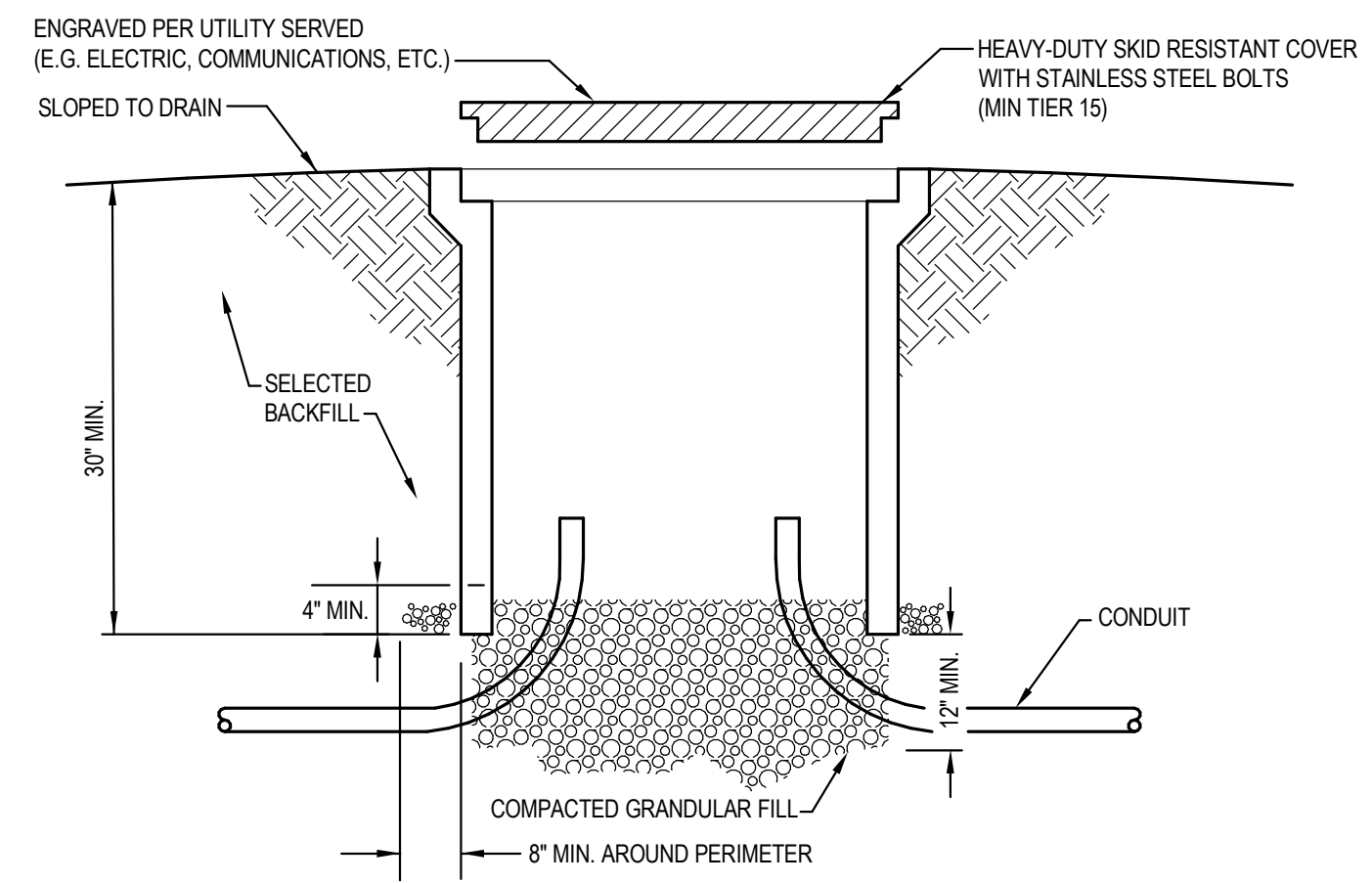
7/1/2022 9:15:29 AM © 2017 JONATHAN BARNES ARCHITECTURE & DESIGN, LTD.



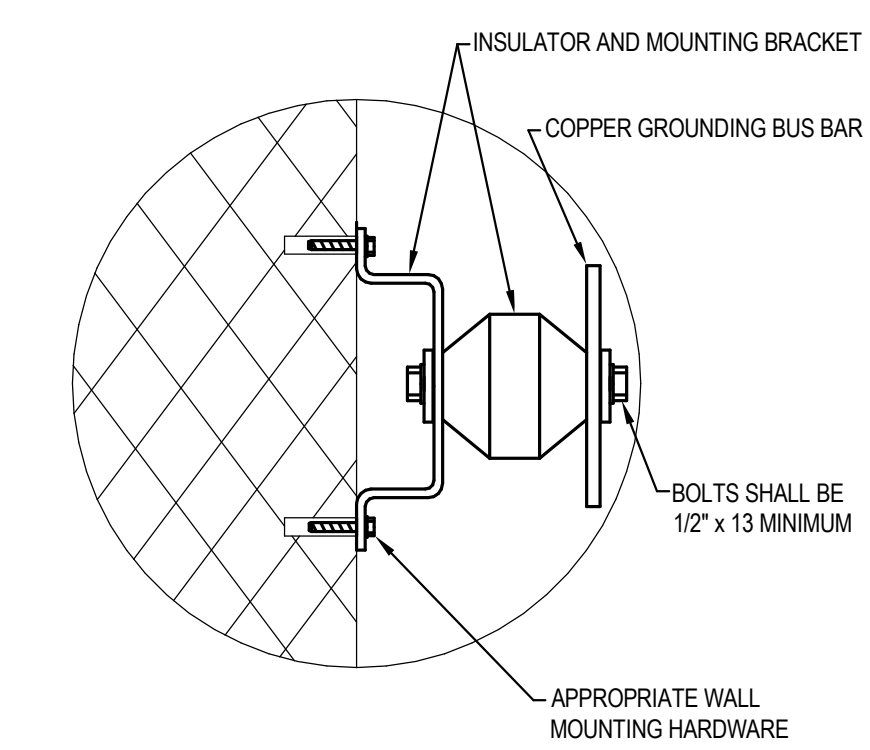
1 DETAIL - CONCRETE ENCASED DUCTBANK
NTS



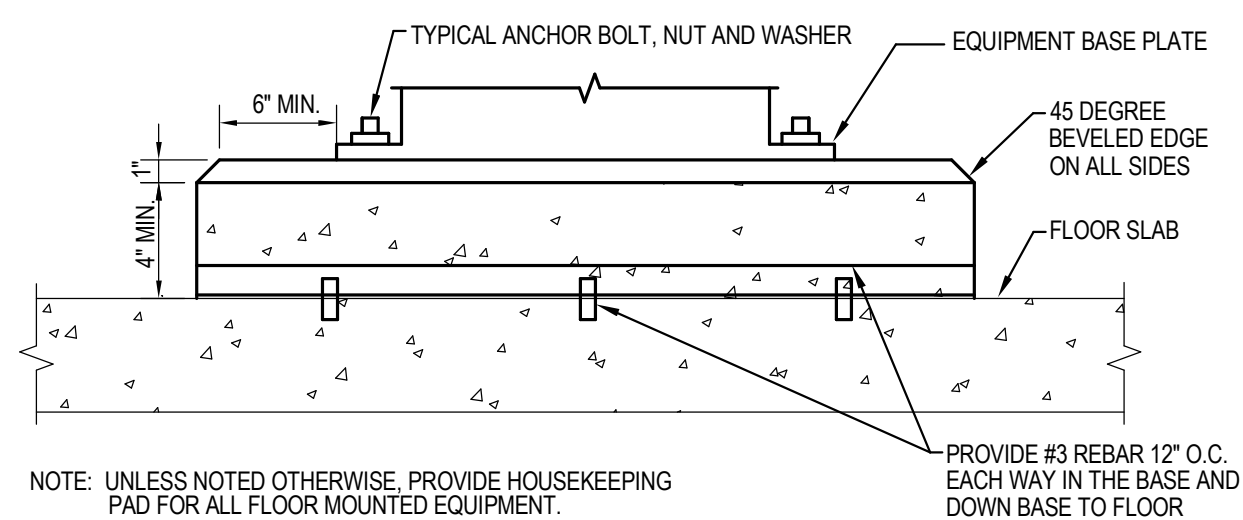
2 DETAIL - DIRECT BURIED CONDUIT
NTS



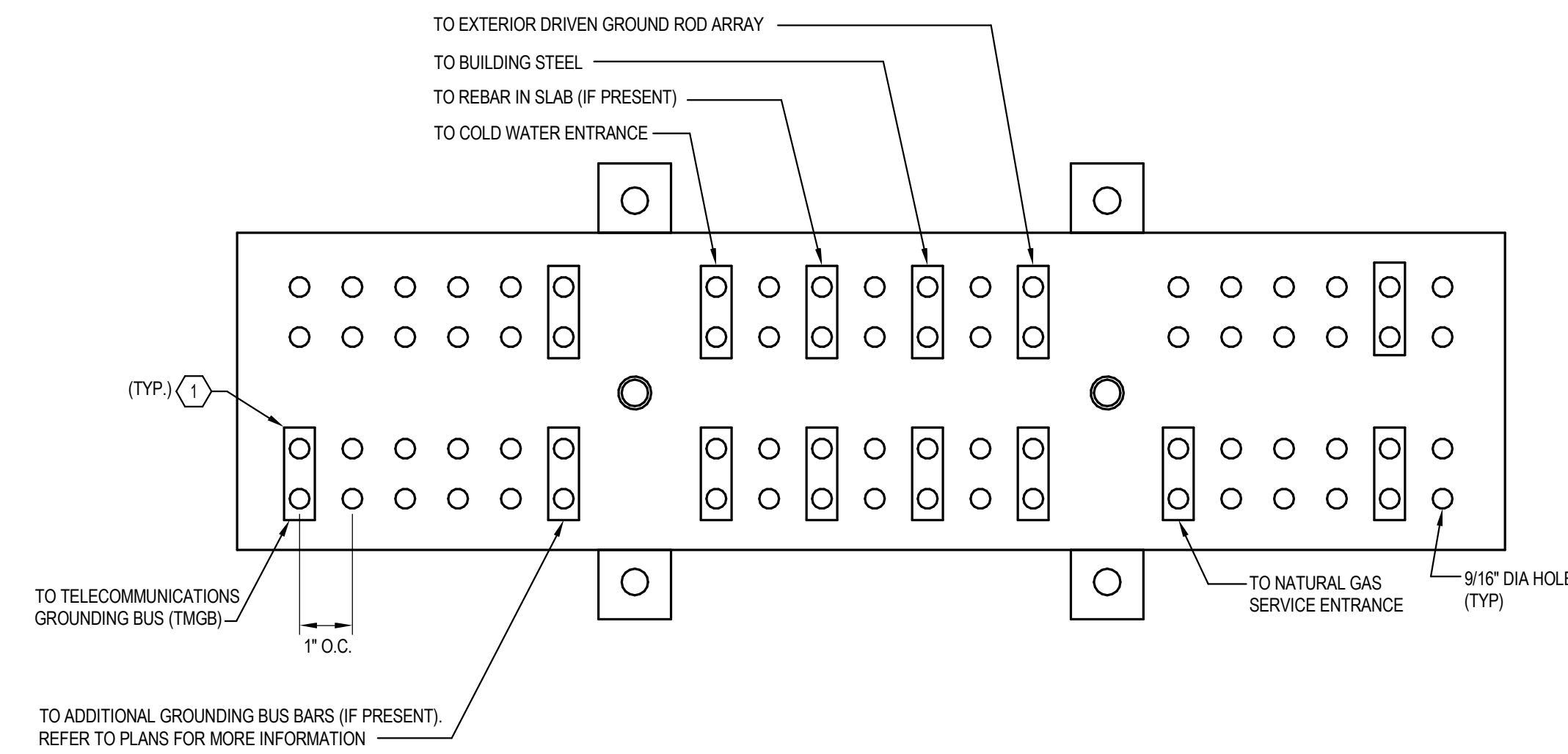
3 DETAIL - TYPICAL PULLBOX
NTS



4 DETAIL - BUS BAR MOUNTING
NTS



5 DETAIL - INTERIOR EQUIPMENT HOUSKEEPING PAD
NTS

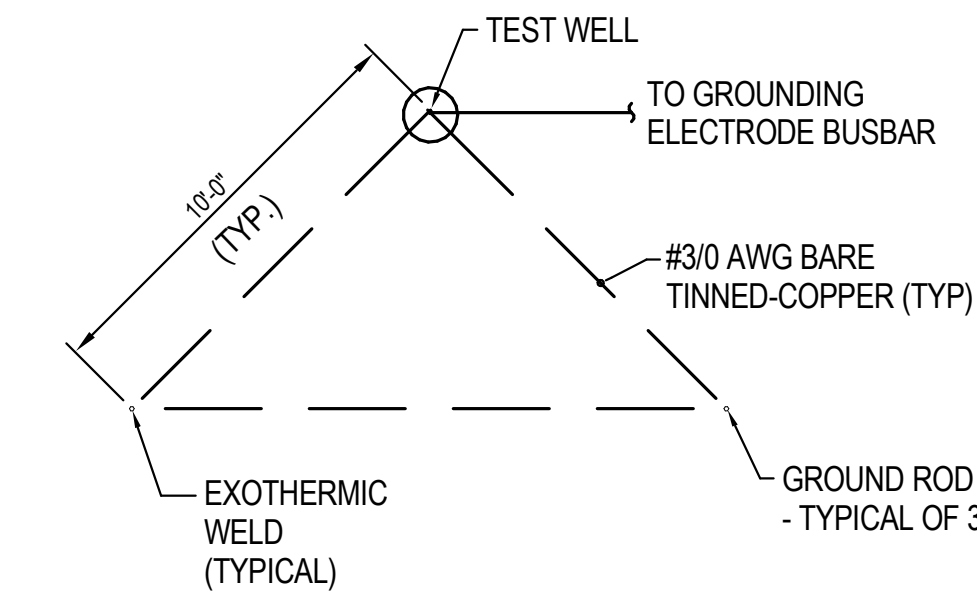


DETAIL GENERAL NOTES:

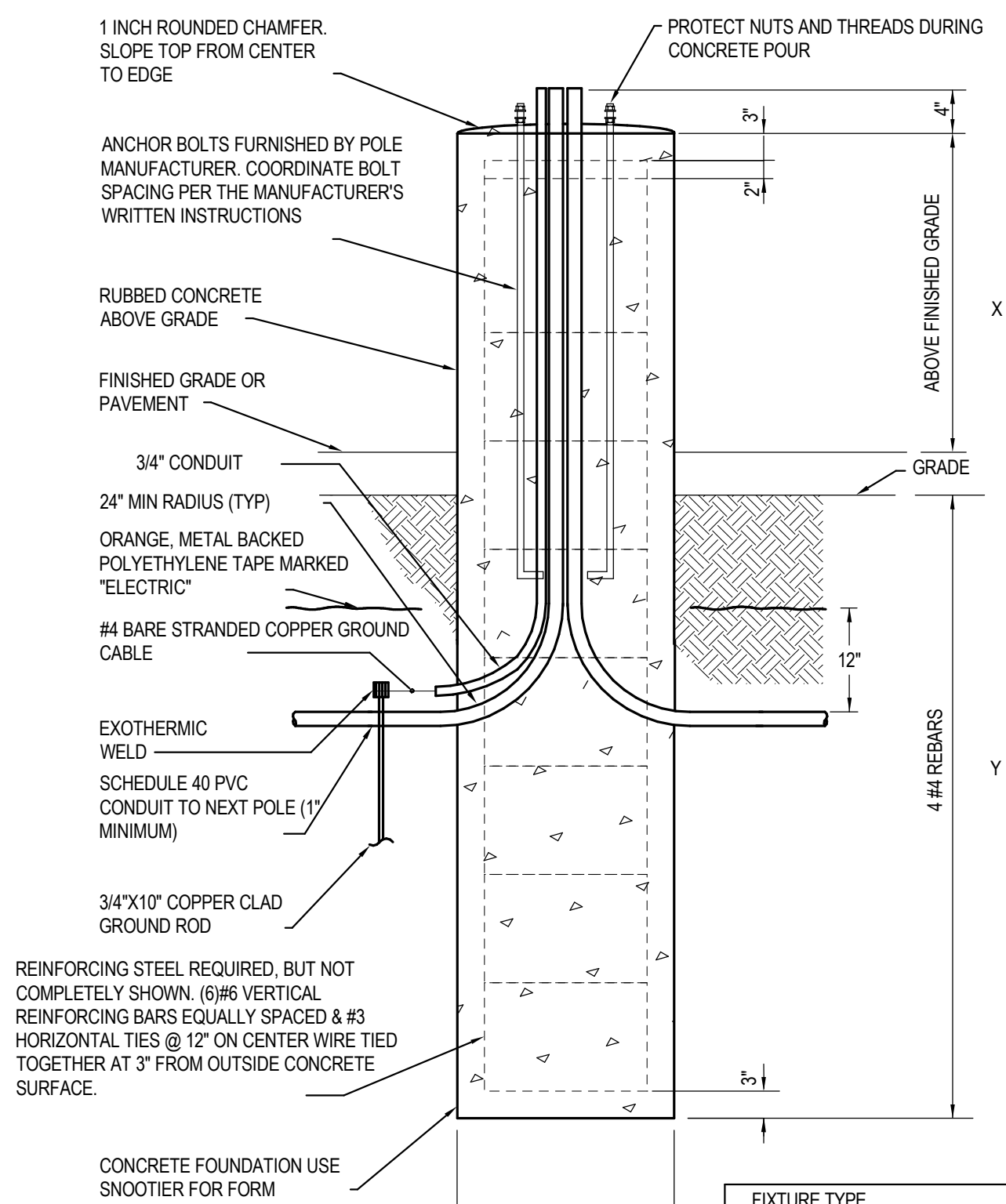
- A. MINIMUM REQUIRED SIZE OF BUS SHALL BE 6"x24"x0.25\"/>
- B. GROUND BAR SHALL BE SOLID COPPER.
- C. ALL CONNECTIONS TO GROUND BAR WILL BE WITH 2-HOLE LUGS, 1/2-INCH BOLTS WITH LOCK WASHERS ON THE BACK, AND BELLVILLE WASHERS ON THE FRONT SIDE.

DETAIL CODED NOTES:

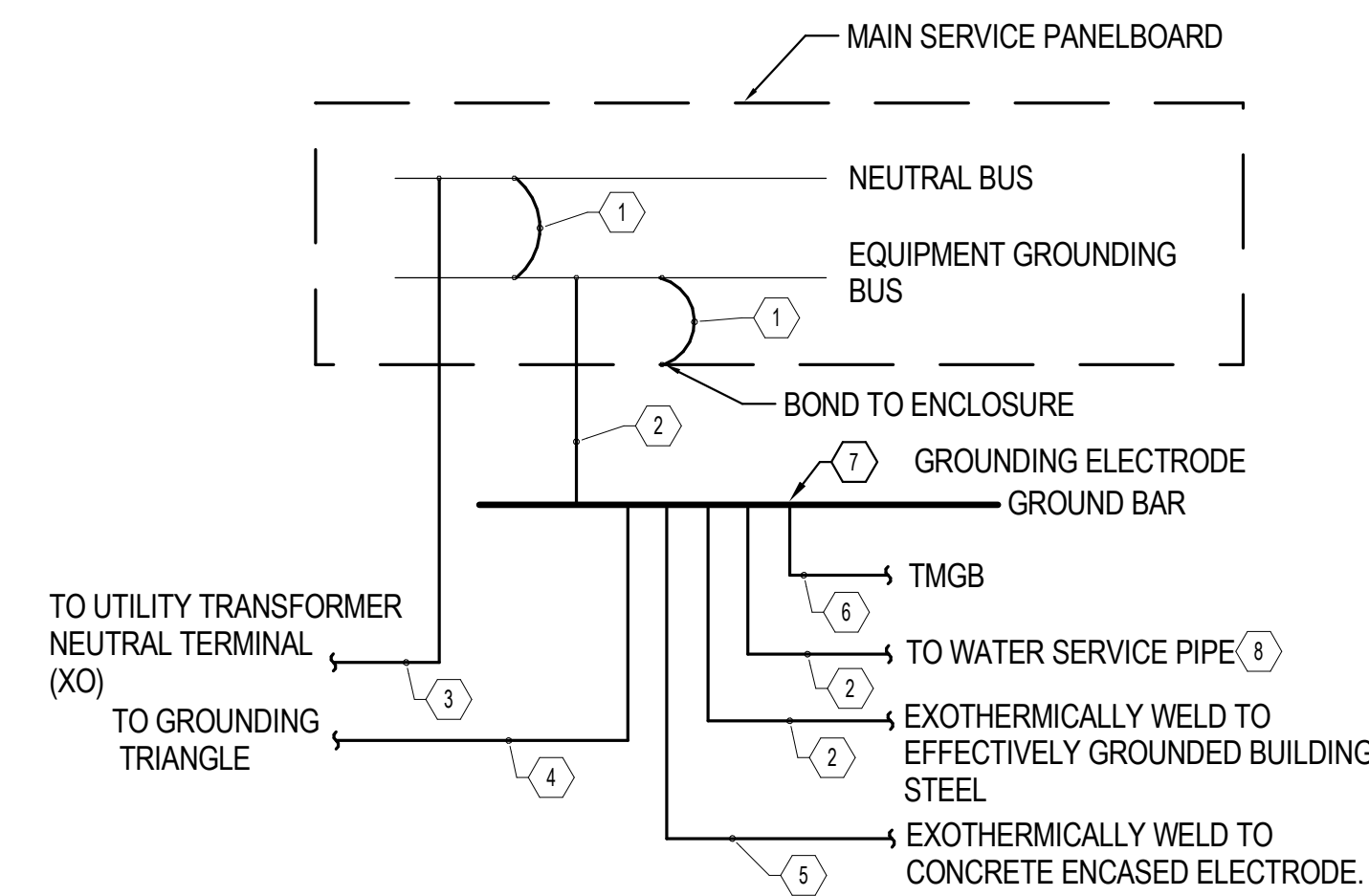
- 1. ALL GROUND WIRING CONNECTING TO GROUNDING BUS BAR SHALL BE MINIMUM #3/0 AWG UNLESS NOTED OTHERWISE.



7 DETAIL - GROUND TRIANGLE
NTS



8 DETAIL - POLE BASE
NTS



9 DETAIL - SYSTEM GROUNDING
NTS

CODED NOTES:

- 1. MAIN BONDING JUMPER: PROVIDED AS PART OF LISTED AND LABELED SERVICE EQUIPMENT.
- 2. GROUNDING ELECTRODE CONDUCTOR: #3/0 AWG COPPER.
- 3. GROUNDED (NEUTRAL) CONDUCTOR: (REFER TO DISTRIBUTION ONE-LINE FOR SIZE).
- 4. SUPPLEMENTAL GROUNDING ELECTRODE BONDING JUMPER CONDUCTOR: #3/0 AWG COPPER.
- 5. GROUND ELECTRODE SYSTEM BONDING JUMPER CONDUCTOR: #3/0 AWG COPPER.
- 6. BONDING CONDUCTOR FOR TELECOMMUNICATIONS: 3/0 AWG STRANDED COPPER WITH GREEN INSULATION.
- 7. PROVIDE UL 467 LISTED CONNECTIONS (TYPICAL).
- 8. PROVIDE #3/0 BOND ACROSS WATER METER.

REVISION SCHEDULE	
#	REVISION DESCRIPTION

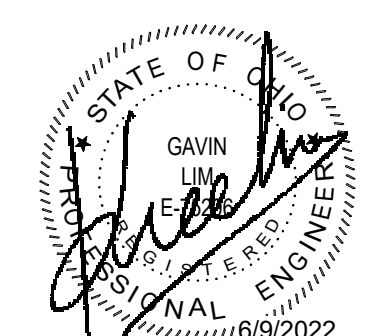
PROJECT NAME :

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1402 BRICE ROAD
REYNOLDSBURG, OHIO 43068

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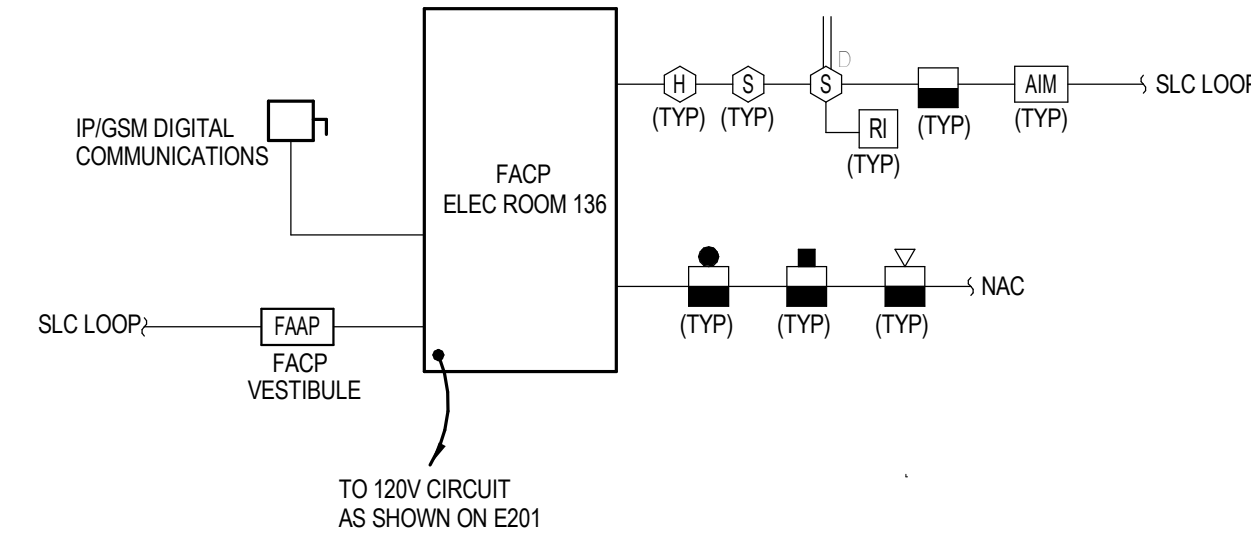
ISSUE DATE : 06/10/22

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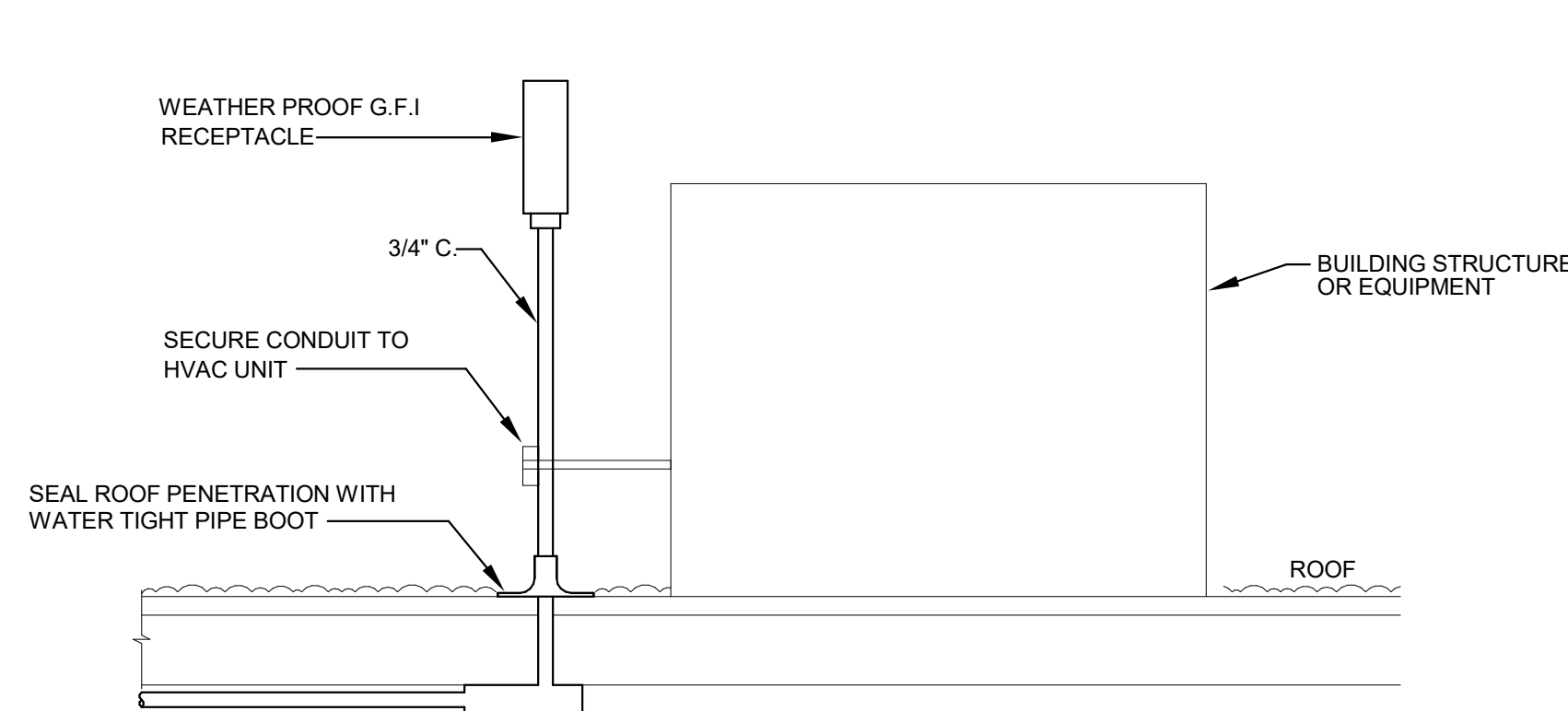


DETAILS - ELECTRICAL

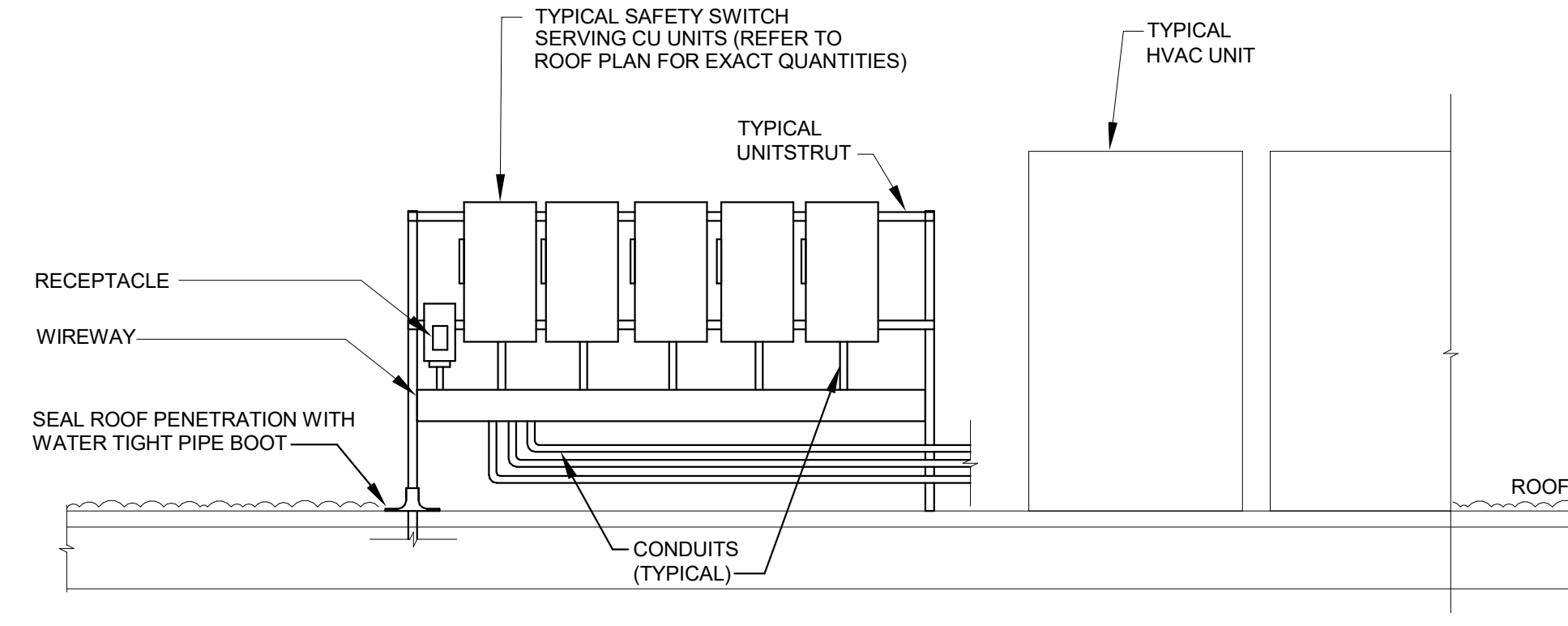
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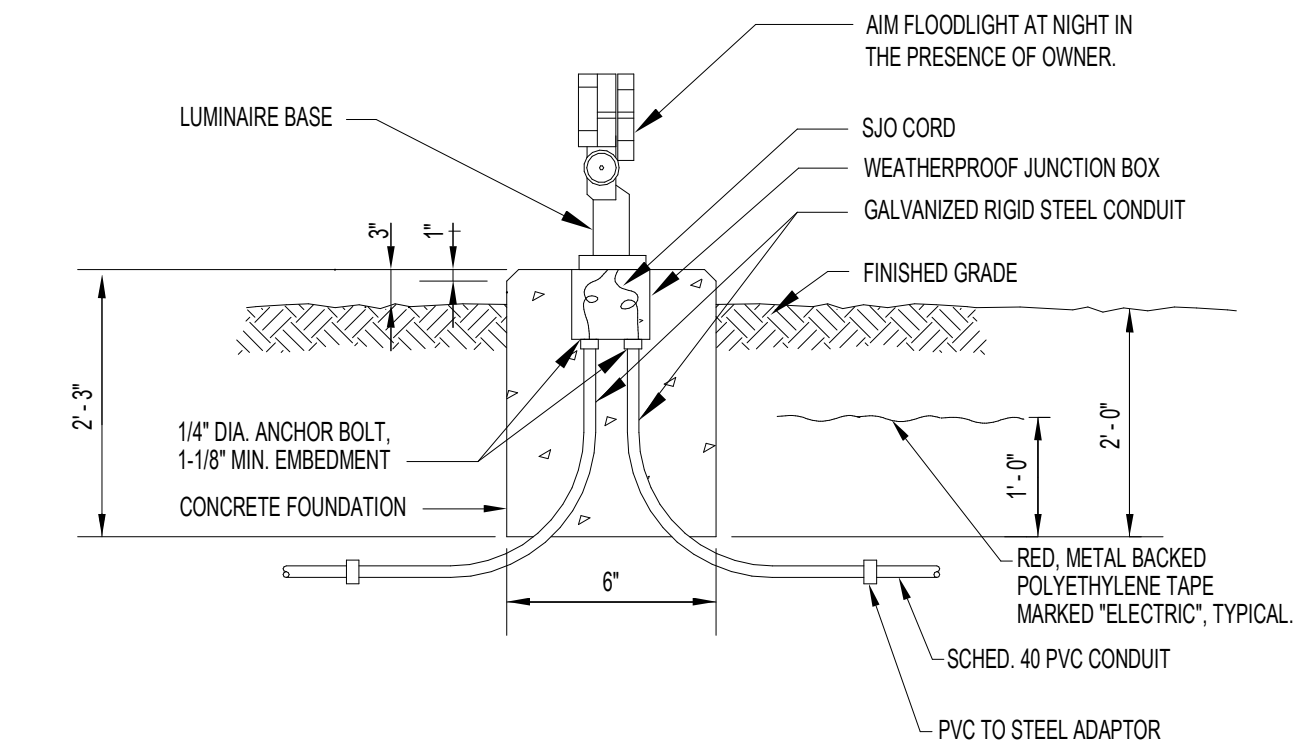
1 DETAIL - FIRE ALARM RISER SYSTEM SCHEMATIC
NTS



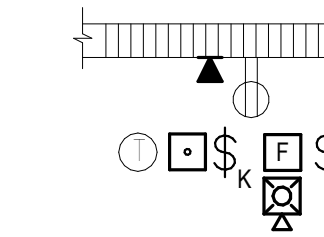
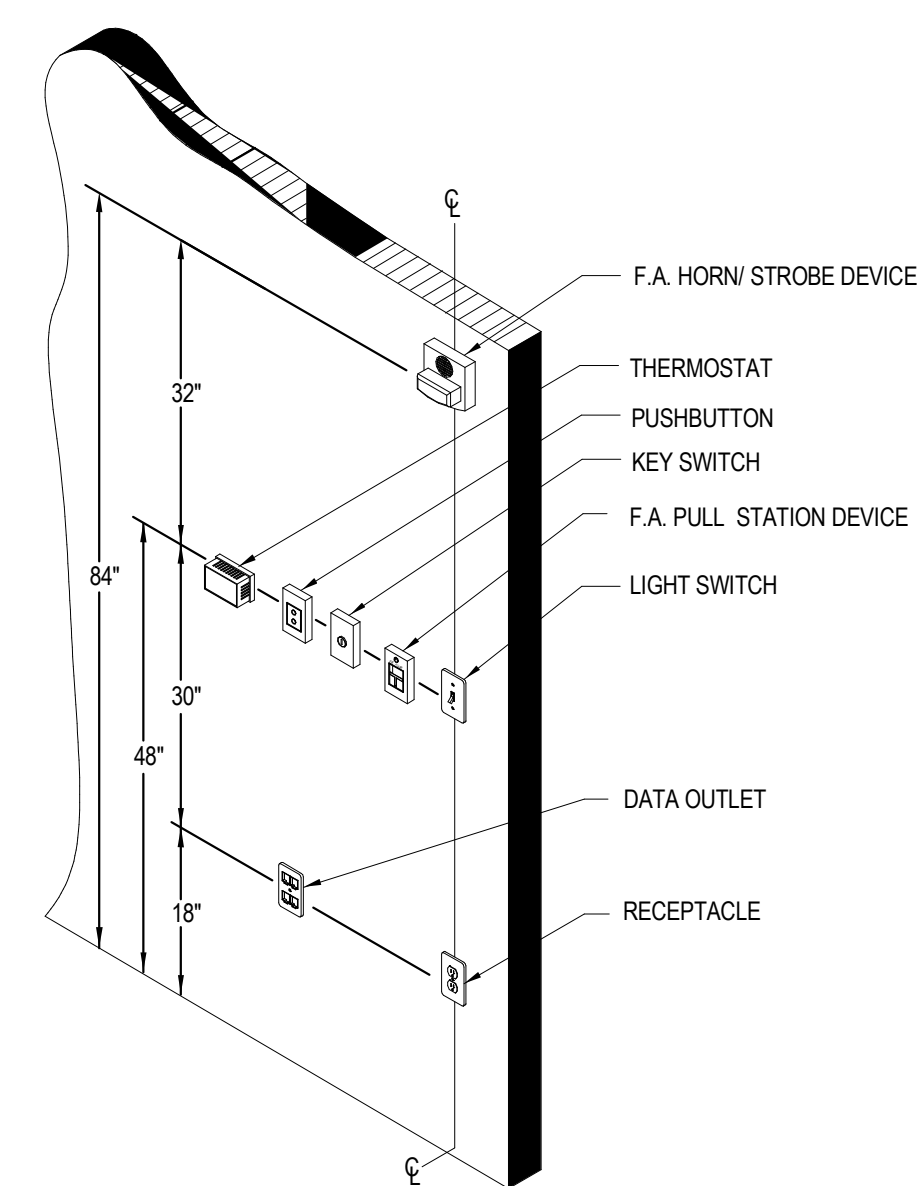
2 DETAIL - ROOFTOP EQUIPMENT LIGHT AND RECEPTACLE
NTS



3 DETAIL - TYPICAL SAFETY SWITCH MOUNTING
NTS



4 DETAIL - FLOOD LIGHTING MOUNT
NTS



- NOTES:
1. DEVICES SHOWN STACKED ALONG WALLS FALL IN THE ORDER OF LOWEST (CLOSEST TO WALL) TO HIGHEST (FURTHEST FROM WALL)
 2. HEIGHTS SHOWN ARE TYPICAL UNLESS OTHERWISE NOTED ELSEWHERE ON DRAWINGS, SPECS OR IDENTIFIED IN APPLICABLE CODES.
 3. VERTICAL DIMENSIONS ARE TO CENTER OF DEVICE.

5 DETAIL - WALL DEVICE ORIENTATION
NTS

REVISION SCHEDULE		
#	DATE	REVISION DESCRIPTION

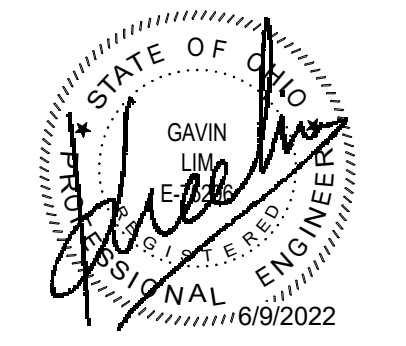
PROJECT NAME :

CML REYNOLDSBURG
1402 BRICE ROAD
REYNOLDSBURG, OHIO 43068

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DETAILS - ELECTRICAL

E5.02

LIGHTING ROOM CONTROLS

ROOM NO.	DESCRIPTION	TARGET-FOOTCANDLE	TARGET HEIGHT	AVG/MIN	CONTROL SOURCE	CONTROL TYPE	CONTROL ZONE	REMARKS
100	VESTIBULE	15	0"	2:1	BAS	TC	ZONE 1-1	TIME CONTROL FOR "ON" DURING OPERATION HOURS
101	LOBBY/ENTRY HALL	50	30"	2:1	BAS	TC/LS	ZONE 1-1a	TIME CONTROL WITH ON/OFF SWITCH FOR AFTER HOURS OVERRIDE
102 & 103	MEN & WOMEN	15	30"	2:1	LOCAL	OS-DT	LOCAL	AUTO ON/AUTO OFF
104	JANITOR	10	0"	3:1	LOCAL	OS	LOCAL	MANUAL ON/AUTO OFF
105	CATERING	50	36"	3:1	LOCAL	OS/DM	LOCAL	AUTO 50% ON/AUTO OFF
106	COMMUNITY ALCOVE	30	30"	2:1	BAS	TC/LS	ZONE 1-1b	TIME CONTROL WITH ON/OFF SWITCH FOR AFTER HOURS OVERRIDE
107	BUSINESS CENTER	30	30"	2:1	BAS	TC/LS	ZONE 1-1b	TIME CONTROL WITH ON/OFF SWITCH FOR AFTER HOURS OVERRIDE
108	RESERVES	30	30"	2:1	BAS	TC/LS/DS	ZONE 1-1b,c	b:TIME CONTROL WITH ON/OFF SWITCH FOR AFTER HOURS OVERRIDE c:TIME CONTROL WITH ON/OFF SWITCH FOR AFTER HOURS OVERRIDE/DAYLIGHT HARVESTING (DAYLIGHT MIN 20% TRIM)
109	LOUNGE	30	30"	2:1	BAS	TC/LS/DS	ZONE 1-1b,c	b:TIME CONTROL WITH ON/OFF SWITCH FOR AFTER HOURS OVERRIDE c:TIME CONTROL WITH ON/OFF SWITCH FOR AFTER HOURS OVERRIDE/DAYLIGHT HARVESTING (DAYLIGHT MIN 20% TRIM)
110	MEETING ROOM	30	30"	3:1	BAS	OS/DM/PS/LS	ZONE 1-2a	COMMON CONTROLS WHEN ROOMS ARE OPENED TO EACH OTHER/AUTO 50% ON/AUTO OFF/TIME CONTROL WITH ON/OFF SWITCH FOR AFTER HOURS OVERRIDE
111	MEETING ROOM	30	30"	3:1	BAS	OS/DM/PS/LS	ZONE 1-2b	COMMON CONTROLS WHEN ROOMS ARE OPENED TO EACH OTHER/AUTO 50% ON/AUTO OFF/TIME CONTROL WITH ON/OFF SWITCH FOR AFTER HOURS OVERRIDE
112	MEETING ROOM	30	30"	3:1	BAS	OS/DM/PS/LS	ZONE 1-2c	COMMON CONTROLS WHEN ROOMS ARE OPENED TO EACH OTHER/AUTO 50% ON/AUTO OFF/TIME CONTROL WITH ON/OFF SWITCH FOR AFTER HOURS OVERRIDE
113	STORAGE	10	0"	3:1	LOCAL	OS	LOCAL	MANUAL ON/AUTO OFF
114	STAIRS 2	5	0"	2:1	LOCAL	OS-DT/DM	LOCAL	DIM TO 30% WHEN OCCUPIED
115	RECEIVING	30	30"	2:1	BAS	TC/LS	ZONE 1-3	TIME CONTROL WITH ON/OFF SWITCH FOR AFTER HOURS OVERRIDE
116	WATER ROOM	20	36"	3:1	LOCAL	LS	LOCAL	MANUAL ON/MANUAL OFF
117	BOOK DROP	15	30"	2:1	LOCAL	TS	LOCAL	MANUAL ON/AUTO OFF
118	TBD							
119	ELECTRIC ROOM	20	36"	3:1	LOCAL	LS	LOCAL	MANUAL ON/MANUAL OFF
120								
121	PROCESSING	30	30"	2:1	BAS	TC/LS	ZONE 1-3	TIME CONTROL WITH ON/OFF SWITCH FOR AFTER HOURS OVERRIDE
122	LOCKERS	30	0"	2:1	BAS	TC/LS	ZONE 1-3	TIME CONTROL WITH ON/OFF SWITCH FOR AFTER HOURS OVERRIDE
123	B.O.H. HALL 123	10	0"	2:1	BAS	TC/LS	ZONE 1-3	TIME CONTROL WITH ON/OFF SWITCH FOR AFTER HOURS OVERRIDE
124	WC - STAFF RR	15	30"	2:1	LOCAL	OS-DT	LOCAL	AUTO ON/AUTO OFF
125	IT	50	36"	3:1	LOCAL	LS	LOCAL	MANUAL ON/AUTO OFF
126	WC - STAFF RR	15	30"	2:1	LOCAL	OS-DT	LOCAL	AUTO ON/AUTO OFF
127	ELEVATOR	20	0"	2:1	LOCAL	LS	LOCAL	IN ELEVATOR PIT
128	RETURNS	30	30"	3:1	BAS	TC/LS	ZONE 1-3	AUTO 50% ON/AUTO OFF
129	ELEVATOR	20	0"	2:1	LOCAL	LS	LOCAL	IN ELEVATOR PIT
130	PM STORAGE	10	0"	3:1	LOCAL	OS	LOCAL	MANUAL ON/AUTO OFF
131	STAFF LOUNGE	15	30"	3:1	LOCAL	OS/DM	LOCAL	AUTO 50% ON/AUTO OFF
132	MANAGER'S OFFICE	30	30"	3:1	LOCAL	OS/DM	LOCAL	AUTO 50% ON/AUTO OFF
133	STORAGE	10	0"	3:1	LOCAL	OS	LOCAL	MANUAL ON/AUTO OFF
134	KITCHEN	50	36"	3:1	LOCAL	OS/DM	LOCAL	AUTO 50% ON/AUTO OFF
135	STAFF 135	20	0"	3:1	LOCAL	OS/DM	LOCAL	LOCAL DIMMER FOR DIMMING DOWN TO 30%
136	PRIVACY	30	30"	3:1	LOCAL	OS/DM	LOCAL	AUTO 50% ON/AUTO OFF
137	STORAGE/OFFICE	30	30"	3:1	LOCAL	OS	LOCAL	MANUAL ON/AUTO OFF
138	PRIVACY	15	30"	2:1	LOCAL	OS/DM	LOCAL	AUTO 50% ON/AUTO OFF
139	FAMILY RR	15	30"	2:1	LOCAL	OS-DT	LOCAL	AUTO ON/AUTO OFF
140	PROGRAM SPACE	30	30"	3:1	BAS	TC/LS/DS	ZONE 1-4	TIME CONTROL WITH ON/OFF SWITCH FOR AFTER HOURS OVERRIDE/DAYLIGHT HARVESTING (DAYLIGHT MIN 20% TRIM)
141	READ FOR K	50	0"	3:1	BAS	TC/LS/DS	ZONE 1-4.4a	TIME CONTROL WITH ON/OFF SWITCH FOR AFTER HOURS OVERRIDE a:TIME CONTROL WITH ON/OFF SWITCH FOR AFTER HOURS OVERRIDE/DAYLIGHT HARVESTING (DAYLIGHT MIN 20% TRIM)
142	YOUNG CHILDRENS	50	0"	3:1	BAS	TC/LS/DS	ZONE 1-4.4a	TIME CONTROL WITH ON/OFF SWITCH FOR AFTER HOURS OVERRIDE a:TIME CONTROL WITH ON/OFF SWITCH FOR AFTER HOURS OVERRIDE/DAYLIGHT HARVESTING (DAYLIGHT MIN 20% TRIM)
143	TWEENS	50	0"	3:1	BAS	TC/LS/DS	ZONE 1-4	TIME CONTROL WITH ON/OFF SWITCH FOR AFTER HOURS OVERRIDE/DAYLIGHT HARVESTING (DAYLIGHT MIN 20% TRIM)
144	SCHOOL HELP	30	30"	3:1	BAS	TC/DM/DS	ZONE 1-5	TIME CONTROL WITH LOCAL DIMMER FOR DIMMING DOWN TO 30%/DAYLIGHT HARVESTING (DAYLIGHT MIN 20% TRIM)
144	SCHOOL HELP	30	30"	3:1	BAS	TC/DM/DS	ZONE 1-5a,b	a:TIME CONTROL WITH LOCAL DIMMER FOR DIMMING DOWN TO 30% b:TIME CONTROL WITH LOCAL DIMMER FOR DIMMING DOWN TO 30%/DAYLIGHT HARVESTING (DAYLIGHT MIN 20% TRIM)
145, 245	STAIRS 1	5	0"	2:1	LOCAL	OS-DT/DM	LOCAL	DIM TO 30% WHEN OCCUPIED
200.1, 200.2, 200.3	READING/STUDY AREA	50	30"	3:1	BAS	TC/LS	ZONE 2-1	TIME CONTROL WITH ON/OFF SWITCH FOR AFTER HOURS OVERRIDE
201	PUBLIC PCS	30	30"	2:1	BAS	TC/LS	ZONE 2-2	TIME CONTROL WITH ON/OFF SWITCH FOR AFTER HOURS OVERRIDE
202	STUDY ROOM	50	30"	3:1	LOCAL	OS-DT/DM	LOCAL	AUTO 50% ON/AUTO OFF
203	STUDY ROOM	50	30"	3:1	LOCAL	OS-DT/DM	LOCAL	AUTO 50% ON/AUTO OFF
204	STUDY ROOM	50	30"	3:1	LOCAL	OS-DT/DM	LOCAL	AUTO 50% ON/AUTO OFF
205	STUDY ROOM	50	30"	3:1	LOCAL	OS-DT/DM	LOCAL	AUTO 50% ON/AUTO OFF
206	STUDY ROOM	50	30"	3:1	LOCAL	OS-DT/DM	LOCAL	AUTO 50% ON/AUTO OFF
207	STAIRS 2	5	0"	2:1	LOCAL	OS-DT/DM	LOCAL	DIM TO 30% WHEN OCCUPIED
208	STORAGE	10	0"	3:1	LOCAL	OS	LOCAL	MANUAL ON/AUTO OFF
209	RESTROOM	15	30"	2:1	LOCAL	OS-DT	LOCAL	AUTO ON/AUTO OFF
210	RESTROOM	15	30"	2:1	LOCAL	OS-DT	LOCAL	AUTO ON/AUTO OFF
211	IT	50	36"	3:1	LOCAL	LS	LOCAL	MANUAL ON/AUTO OFF
212	JANITOR	10	0"	3:1	LOCAL	OS	LOCAL	MANUAL ON/MANUAL OFF
213	STORAGE	10	0"	3:1	LOCAL	OS	LOCAL	MANUAL ON/AUTO OFF
214	TEENS STORAGE	10	0"	3:1	LOCAL	OS	LOCAL	MANUAL ON/AUTO OFF
215	TEENS	50	30"	3:1	BAS	TC/LS/OS/DM/DS	ZONES 2-2	DAYLIGHT HARVESTING
216	COLLECTIONS	50	0"	3:1	BAS	TC/LS /DS	ZONES 2-3,3a	TIME CONTROL WITH ON/OFF SWITCH FOR AFTER HOURS OVERRIDE a:TIME CONTROL WITH ON/OFF SWITCH FOR AFTER HOURS OVERRIDE/DAYLIGHT HARVESTING (DAYLIGHT MIN 20% TRIM)
217	STUDY ROOM	50	30"	3:1	LOCAL	OS-DT/DM	LOCAL	AUTO 50% ON/AUTO OFF
218	STUDY ROOM	50	30"	3:1	LOCAL	OS-DT/DM	LOCAL	AUTO 50% ON/AUTO OFF
219	STUDY ROOM	50	30"	3:1	LOCAL	OS-DT/DM	LOCAL	AUTO 50% ON/AUTO OFF
220	STUDY ROOM	50	30"	3:1	LOCAL	OS-DT/DM	LOCAL	AUTO 50% ON/AUTO OFF
221	STUDY ROOM	50	30"	3:1	LOCAL	OS-DT/DM	LOCAL	AUTO 50% ON/AUTO OFF
222	STUDY ROOM	50	30"	3:1	LOCAL	OS-DT/DM	LOCAL	AUTO 50% ON/AUTO OFF
223	STUDY ROOM	50	30"	3:1	LOCAL	OS-DT/DM	LOCAL	AUTO 50% ON/AUTO OFF
224	STUDY ROOM	50	30"	3:1	LOCAL	OS-DT/DM	LOCAL	AUTO 50% ON/AUTO OFF
225	STUDY ROOM	50	30"	3:1	LOCAL	OS-DT/DM	LOCAL	AUTO 50% ON/AUTO OFF
226								
234	QUIET STUDY	50	30"	2:1	LOCAL	LS/OS/DM	LOCAL	AT ELEVATOR DOOR AND TOP OF ELEVATOR SHAFT
227	ELEVATOR	20	0"					
229	ELEVATOR	20	0"	2:1	LOCAL	LS	LOCAL	AT ELEVATOR DOOR AND TOP OF ELEVATOR SHAFT
114, 207	STAIRS 2	5	0"	2:1	LOCAL	OS-DT/DM	LOCAL	DIM TO 30% WHEN OCCUPIED
2ND FLR	ENTRY HALL	10	0"	2:1	BAS	TC/LS	ZONE 1-3	TIME CONTROL WITH ON/OFF SWITCH FOR AFTER HOURS OVERRIDE
EXTERIOR	ENTRANCE CANOPY	5	0"	2:1	BAS	TC	ZONES 4-1	ON FROM DUSK TIL DAWN
EXTERIOR	PARKING LOT	1.5	0"	3:1	BAS	TC/OC	ZONES 4-2	ON FROM DUSK TO DAWN/DIM TO 30% WHEN UN-OCCUPIED
EXTERIOR	PARKING LOT RECEPTACLES				BAS		ZONES 4-3	TIME CONTROL ON/OFF
EXTERIOR	GROUND LIGHTS				BAS	TC/OC	ZONES 4-4	ON FROM DUSK TO DAWN
EXTERIOR	CANOPY				BAS	TC/OC	ZONES 4-5	ON FROM DUSK TO DAWN

AFTER HOURS OVERRIDE - MAXIMUM OF 2HRS; FLASH LIGHTS 10 MINUTES PRIOR TO AUTO OFF.
TIME CLOCK CONTROLS - COORDINATE WITH CML FOR ON AND OFF TIMES FOR EACH "TC" ZONE

TC	Time Clock On/Off/Dim (Dusk to Dawn)
LS	Local Switch
OS	Occupancy Sensor (PIR)
OS-DT	Occupancy Sensor (Dual Tech)
DS	Photocell (Daylight Harvesting)
PC	Photocell (Lighting Relay Panel)
DM	Dimmer
PS	Partition Sensor
TS	Timer Switch

REVISION SCHEDULE		
#	DATE	REVISION DESCRIPTION
1	07.05.22	Addendum 01

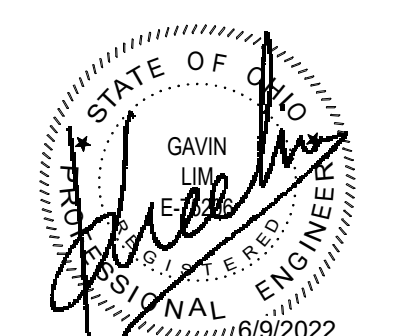
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Columbus, Ohio 43215 | Fax: (614) 486-4082



SCHEDULES - ELECTRICAL

E6.02

Branch Panel: L1

Location: ELECTRIC 119
Supply From: MDP
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MLO
Mains Rating: 100 A

Notes:

Table with 18 columns: CKT, Wire Size, Circuit Description, Trip, Brkr Opt, A, B, C, Brkr Opt, Trip, Circuit Description, Wire Size, CKT. Lists various circuit descriptions and their ratings.

Legend:

Load Classification table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals.

Branch Panel: L2

Location: STORAGE 213
Supply From: MDP
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000
Mains Type: MCB
Mains Rating: 100 A

Notes:

Table with 18 columns: CKT, Wire Size, Circuit Description, Trip, Brkr Opt, A, B, C, Brkr Opt, Trip, Circuit Description, Wire Size, CKT. Lists various circuit descriptions and their ratings.

Legend:

Load Classification table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals.

Branch Panel: EV

Location: ELECTRIC 119
Supply From: MDP
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MLO
Mains Rating: 225 A

Notes:

Table with 18 columns: CKT, Wire Size, Circuit Description, Trip, Brkr Opt, A, B, C, Brkr Opt, Trip, Circuit Description, Wire Size, CKT. Lists various circuit descriptions and their ratings.

Legend:

Load Classification table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals.

Branch Panel: M1

Location: ELECTRIC 119
Supply From: MDP
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MLO
Mains Rating: 225 A

Notes:

Table with 18 columns: CKT, Wire Size, Circuit Description, Trip, Brkr Opt, A, B, C, Brkr Opt, Trip, Circuit Description, Wire Size, CKT. Lists various circuit descriptions and their ratings.

Legend:

Load Classification table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals.

Branch Panel: M2

Location:
Supply From: MDP
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 225 A

Notes:

Table with 18 columns: CKT, Wire Size, Circuit Description, Trip, Brkr Opt, A, B, C, Brkr Opt, Trip, Circuit Description, Wire Size, CKT. Lists various circuit descriptions and their ratings.

Legend:

Load Classification table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals.

REVISION SCHEDULE table with columns: #, DATE, REVISION DESCRIPTION.

PROJECT NAME:

CML REYNOLDSBURG

1402 BRICE ROAD
REYNOLDSBURG, OHIO 43068

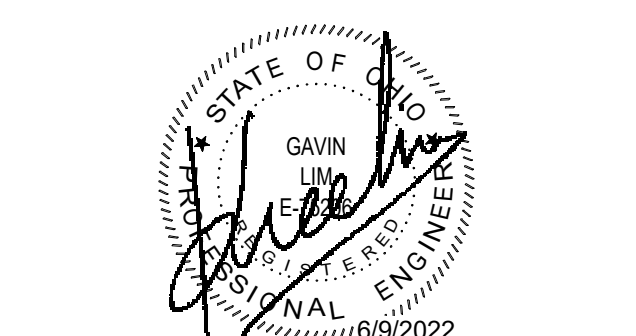
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SCHEDULES - ELECTRICAL

E6.03

Branch Panel: P1

Location: ELECTRIC 119
Supply From: MDP
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MLO
Mains Rating: 225 A

Notes:

Table with columns: CKT, Wire Size, Circuit Description, Trip, Brkr Opt, A, B, C, Brkr Opt, Trip, Circuit Description, Wire Size, CKT. Lists various electrical loads and their characteristics.

Total Load: 12.60 kVA, 14.70 kVA, 16.58 kVA
Total Amps: 105 A, 125 A, 141 A

Legend:

Table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Summarizes load data.

Branch Panel: P2

Location: ELECTRIC 119
Supply From: MDP
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MLO
Mains Rating: 225 A

Notes:

Table with columns: CKT, Wire Size, Circuit Description, Trip, Brkr Opt, A, B, C, Brkr Opt, Trip, Circuit Description, Wire Size, CKT. Lists various electrical loads and their characteristics.

Total Load: 13.34 kVA, 14.53 kVA, 14.41 kVA
Total Amps: 111 A, 122 A, 121 A

Legend:

Table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Summarizes load data.

Branch Panel: P3

Location: ELECTRIC 119
Supply From: MDP
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 225 A

Notes:

Table with columns: CKT, Wire Size, Circuit Description, Trip, Brkr Opt, A, B, C, Brkr Opt, Trip, Circuit Description, Wire Size, CKT. Lists various electrical loads and their characteristics.

Total Load: 12.78 kVA, 10.62 kVA, 11.74 kVA
Total Amps: 108 A, 89 A, 99 A

Legend:

Table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Summarizes load data.

Branch Panel: P4

Location: ELECTRIC 119
Supply From: MDP
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 225 A

Notes:

Table with columns: CKT, Wire Size, Circuit Description, Trip, Brkr Opt, A, B, C, Brkr Opt, Trip, Circuit Description, Wire Size, CKT. Lists various electrical loads and their characteristics.

Total Load: 6.84 kVA, 7.34 kVA, 5.40 kVA
Total Amps: 59 A, 63 A, 45 A

Legend:

Table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Summarizes load data.

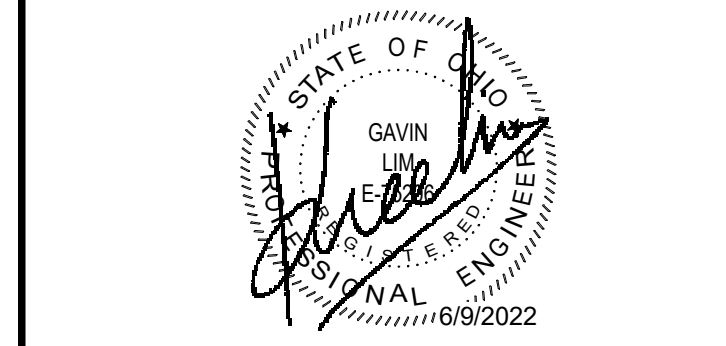
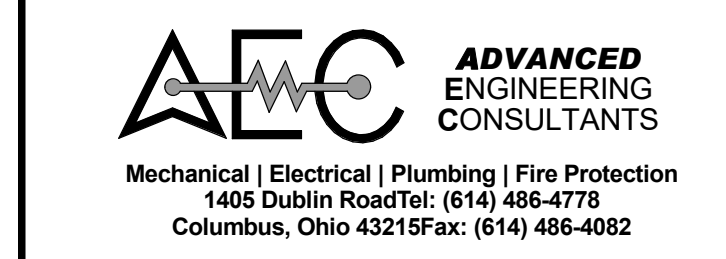
REVISION SCHEDULE table with columns: #, DATE, REVISION DESCRIPTION.

PROJECT NAME:

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SCHEDULES - ELECTRICAL

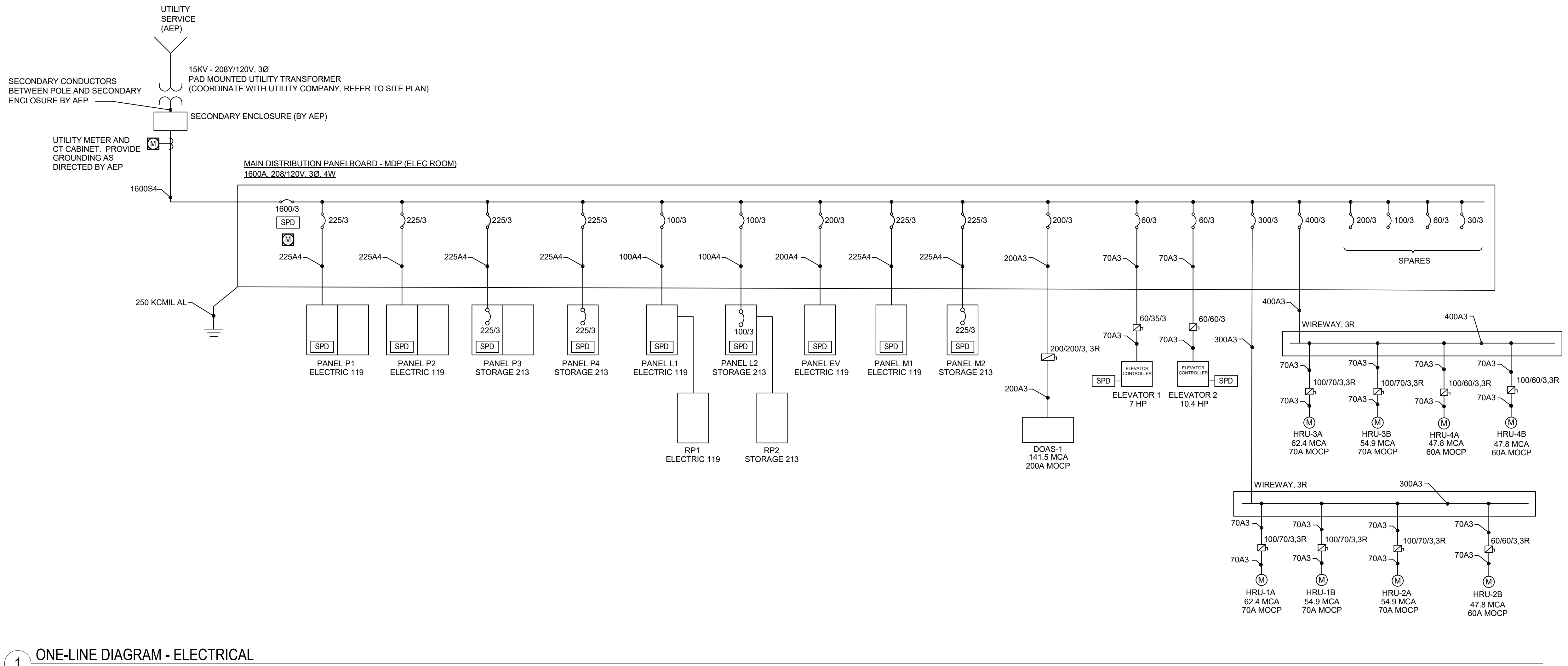
E6.04

COPPER FEEDER SCHEDULES							
TAG	# OF SETS	PHASE WIRES QUANTITY - SIZE	NEUTRAL WIRE QUANTITY - SIZE	GROUND SIZE	CONDUIT SIZE PER SET	PURPOSE	NOTES
20A3	1	3-12 AWG	-	12 AWG	3/4"	3 PHASE EQUIPMENT AND MOTOR FEEDERS	
30A3	1	3-10 AWG	-	10 AWG	3/4"		
40A3	1	3-8 AWG	-	10 AWG	3/4"		
50A3	1	3-6 AWG	-	10 AWG	3/4"		
70A3	1	3-4 AWG	-	8 AWG	1"		
90A3	1	3-2 AWG	-	8 AWG	1-1/4"		
110A3	1	3-1 AWG	-	6 AWG	1-1/4"		
150A3	1	3-1/0 AWG	-	6 AWG	1-1/2"		
175A3	1	3-2/0 AWG	-	6 AWG	1-1/2"		
200A3	1	3-3/0 AWG	-	6 AWG	2"		
300A3	1	3-350 KCMIL	-	4 AWG	2"-1/2"		
400A3	1	3-600 KCMIL	-	3 AWG	3"		

- COPPER FEEDER GENERAL NOTES:
- IF CONDUIT OR CONDUCTOR SIZE ARE NOT INDICATED, SELECT FROM THE FEEDER SCHEDULE TABLE ABOVE
 - NOT ALL SIZES SHOWN ARE USED
 - CONDUIT SIZES SHOWN ARE BASED ON EMT TYPE, AND CONDUCTORS WITH THHN, THWN, OR XHHW INSULATION. CONTRACT SHALL COMPLY WITH NEC FILL RATIOS IF ANY OTHER TYPE COMBINATIONS ARE USED.
 - AMPACITY SHOWN IS THE NOMINAL REQUIRED FOR CONDUCTORS INDICATED. CONDUCTORS WITH HIGHER CURRENT RATINGS MAY BE SHOWN ON THE DRAWINGS TO ACCOUNT FOR VOLTAGE DROP OR FOR FUTURE EXPANSION.

ALUMINUM FEEDER SCHEDULES							
TAG	# OF SETS	PHASE WIRES QUANTITY - SIZE	NEUTRAL WIRE QUANTITY - SIZE	GROUND SIZE	CONDUIT SIZE PER SET	PURPOSE	NOTES
100A4	1	3-1 AWG	1-1 AWG	8 AWG	1-1/2"	POWER PANELS, DISTRIBUTION PANELBOARDS, AND SWITCHBOARDS	
150A4	1	3-4/0 AWG	1-4/0 AWG	4 AWG	2-1/2"		
200A4	1	3-250 KCMIL	1-250 KCMIL	4 AWG	2-1/2"		
225A4	1	3-300 KCMIL	1-300 KCMIL	2 AWG	3"		
250A4	1	3-350 KCMIL	1-350 KCMIL	2 AWG	3"		
300A4	1	3-500 KCMIL	1-500 KCMIL	2 AWG	3-1/2"		
350A4	2	3-4/0 AWG	1-4/0 AWG	1 AWG	2-1/2"		
400A4	2	3-250 KCMIL	1-250 KCMIL	1 AWG	2-1/2"		
500A4	2	3-350 KCMIL	1-350 KCMIL	1/0 AWG	3"		
600A4	2	3-500 KCMIL	1-500 KCMIL	2/0 AWG	3-1/2"		
800A4	3	3-400 KCMIL	1-400 KCMIL	3/0 AWG	3"		
1000A4	3	3-600 KCMIL	1-600 KCMIL	4/0 AWG	3-1/2"		
1200A4	4	3-500 KCMIL	1-500 KCMIL	250 KCMIL	3-1/2"		
1600A4	5	3-600 KCMIL	1-600 KCMIL	350 KCMIL	4"		
2000A4	6	3-600 KCMIL	1-600 KCMIL	400 KCMIL	4"		
2500A4	8	3-600 KCMIL	1-600 KCMIL	600 KCMIL	4"		
3000A4	9	3-600 KCMIL	1-600 KCMIL	600 KCMIL	4"		
4000A4	12	3-600 KCMIL	1-600 KCMIL	750 KCMIL	4"		
100A5	1	3-1/0 AWG	2-1/0 AWG	8 AWG	2"	POWER PANELS, DISTRIBUTION PANELBOARDS, AND SWITCHBOARDS W/ 200% NEUTRAL	
200A5	1	3-350 KCMIL	2-350 KCMIL	4 AWG	3"		
225A5	1	3-500 KCMIL	2-500 KCMIL	2 AWG	3-1/2"		
250A5	1	3-600 KCMIL	2-600 KCMIL	2 AWG	4"		
400A5	2	3-350 KCMIL	2-350 KCMIL	1 AWG	3"		
600A5	3	3-350 KCMIL	2-350 KCMIL	2/0 AWG	3"		
800A5	3	3-600 KCMIL	2-600 KCMIL	3/0 AWG	4"		
1000A5	4	3-600 KCMIL	2-600 KCMIL	4/0 AWG	4"		
1200A5	5	3-500 KCMIL	2-500 KCMIL	250 KCMIL	4"		
1600A5	6	3-600 KCMIL	2-600 KCMIL	350 KCMIL	4"		
2000A5	8	3-600 KCMIL	2-600 KCMIL	400 KCMIL	4"		
100L4	1	3-1/0 AWG	1-1/0 AWG	8 AWG	2"	LIGHTING PANELS AND OTHER LOADS WITH CURRENT CARRYING NEUTRAL	
200L4	1	3-350 KCMIL	1-350 KCMIL	4 AWG	3"		
225L4	1	3-500 KCMIL	1-500 KCMIL	2 AWG	3-1/2"		
400L4	2	3-350 KCMIL	1-350 KCMIL	1 AWG	3"		
600L4	3	3-350 KCMIL	1-350 KCMIL	2/0 AWG	3"		
800L4	3	3-600 KCMIL	1-600 KCMIL	3/0 AWG	4"		
600S4	2	3-500 KCMIL	1-500 KCMIL	-	4"	3P,4W SERVICE FEEDERS	
1600S4	6	3-600 KCMIL	1-600 KCMIL	-	4"		
3000S4	9	3-600 KCMIL	1-600 KCMIL	-	5"		

- ALUMINUM FEEDER GENERAL NOTES:
- IF CONDUIT OR CONDUCTOR SIZE ARE NOT INDICATED, SELECT FROM THE FEEDER SCHEDULE TABLE ABOVE
 - NOT ALL SIZES SHOWN ARE USED
 - CONDUIT SIZES SHOWN ARE BASED ON SCHEDULE 40 PVC TYPE, AND CONDUCTORS WITH THHN, THWN, OR XHHW INSULATION. CONTRACT SHALL COMPLY WITH NEC FILL RATIOS IF ANY OTHER TYPE COMBINATIONS ARE USED.
 - AMPACITY SHOWN IS THE NOMINAL REQUIRED FOR CONDUCTORS INDICATED. CONDUCTORS WITH HIGHER CURRENT RATINGS MAY BE SHOWN ON THE DRAWINGS TO ACCOUNT FOR VOLTAGE DROP OR FOR FUTURE EXPANSION.



1 ONE-LINE DIAGRAM - ELECTRICAL
NTS

EQUIPMENT SHORT-CIRCUIT (AIC) SCHEDULE			
EQUIPMENT TAG	AVAILABLE SHORT-CIRCUIT CURRENT (AMPS)	MINIMUM EQUIPMENT AIC RATING	REMARKS
MDP	23,792	65k	
PANEL P1	12,895	22k	
PANEL P2	12,895	22k	
PANEL P3	10,025	22k	
PANEL P4	10,025	22k	
PANEL L1	6,355	22k	
PANEL L2	4,359	22k	
PANEL EV	11,757	22k	
PANEL M1	12,895	22k	
PANEL M2	10,025	22k	

Switchboard: MDP				
Location: ELECTRIC 119		Volts: 120/208 Wye	A.I.C. Rating: 65,000	
Supply From: Utility		Phas... 3	Mains Type: M.C.B.	
Mounting: Surface		Wires: 4	Mains Rating: 1600 A	
Enclosure: Type 1		MCB Rating: 1600 A		
CKT	Circuit Description	# of Poles	Load	Remarks
1	M1 - ELECTRIC 119	3	31.8 kVA	
2	M2 - STORAGE 213	3	37.5 kVA	
3	P1 - ELECTRIC 119	3	43.9 kVA	
4	P2 - ELECTRIC 119	3	42.3 kVA	
5	P3 - STORAGE 213	3	35.1 kVA	
6	P4 - STORAGE 213	3	19.6 kVA	
7	L1 - ELECTRIC 119	3	23.9 kVA	
8	L2 - STORAGE 213	3	14.4 kVA	
9	EV - ELECTRIC 119	3	0.0 kVA	
10	DOAS - ROOF	3	35.2 kVA	
11	ELEVATOR CONTROLLER - ELEV 1 129	3	13.7 kVA	
12	ELEVATOR CONTROLLER - ELEV 2 127	3	19.4 kVA	
13	HRU-1A, HRU-1B, HRU-2A, HRU-2A - ROOF	3	79.2 kVA	
14	HRU-3A, HRU-3B, HRU-4A, HRU-4B - ROOF	3	76.6 kVA	
15	SPARE	3	0.0 kVA	
16	SPARE	3	0.0 kVA	
17	SPARE	3	0.0 kVA	
18	SPARE	3	0.0 kVA	
19	SPARE	3	0.0 kVA	
20	SPARE	3	0.0 kVA	
			470.4 kVA	
			1306 A	
Conn. Load	Demand Load	Demand Current		
470.4 kVA	432.3 kVA	1200 A		

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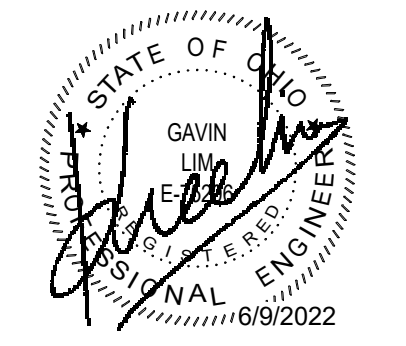
PROJECT NAME :

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1402 BRICE ROAD
REYNOLDSBURG, OHIO 43068

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ONE-LINE DIAGRAM - ELECTRICAL

E7.01

ABBREVIATIONS	
NOTE: NOT ALL ABBREVIATIONS MAY BE USED.	
A	COMPRESSED AIR (SHOP AIR)
AFF	ABOVE FINISHED FLOOR
AMP	AMPERE
APPROX	APPROXIMATE
ARCH	ARCHITECT
AUTO	AUTOMATIC
BLDG	BUILDING
CAP	CAPACITY
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CONN	CONNECTION OR CONNECT
CONT	CONTINUATION
CU FT	CUBIC FEET
CU IN	CUBIC INCH
D	DRAIN
DIA	DIAMETER
DS	DOWNSPOUT
DWG	DRAWING
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXP	EXPANSION
EXIST	EXISTING
°F	DEGREES FAHRENHEIT
FD	FLOOR DRAIN
FIN FL EL	FINISHED FLOOR ELEVATION
FT	FOOT OR FEET
GA	GAUGE
GAL	GALLONS
GPF	GALLONS PER FLUSH
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
HZ	HERTZ
IN	INCHES
INV EL	INVERT ELEVATION
KW	KILOWATT
L	LAVATORY
LB	POUNDS
MAX	MAXIMUM
MECH	MECHANICAL
MFG	MANUFACTURER
MIN	MINIMUM
MS	MOP SINK
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NO.	NUMBER
NTS	NOT TO SCALE
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OS&Y	OUTSIDE STEM AND YOKE VALVE
PD	PUMPED DISCHARGE
PLBG	PLUMBING
PRESS	PRESSURE
PS	FUEL POLISH SUPPLY
PSI	POUNDS PER SQUARE INCH
PSIG	PSI GAUGE
RCP	RECIRCULATING PUMP
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RPM	REVOLUTIONS PER MINUTE
S	SINK
SH	SHOWER
SHT	SHEET
SPEC	SPECIFICATION
SRD	SECONDARY ROOF DRAIN
TEMP	TEMPERATURE
TF	TRUCK FILL
TMV	THERMOSTATIC MIXING VALVE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
V	VOLT
VB	VACUUM BREAKER
VTR	VENT THRU ROOF
W	WATER
WC	WATER CLOSET

DESCRIPTION	2D SYMBOL	3D SYMBOL	
		PLAN VIEW	SECTION VIEW
DROP			
RISE			
TEE			
CAP			
GLOBE VALVE			
PLUG VALVE			
SOLENOID VALVE			
GAS PRESSURE REGULATOR			
PRESSURE REDUCING VALVE			
OUTSIDE STEM & YOKE VALVE			
BUTTERFLY VALVE			
BALL VALVE			
CHECK VALVE			
BALANCE VALVE			
STRAINER			
UNION			
TEMPERATURE & PRESSURE RELIEF VALVE			
METER			
AQUASTAT			
THERMOMETER			
PRESSURE GAUGE WITH STOPCOCK			
REDUCED PRESSURE BACKFLOW PREVENTER			
PUMP			
WALL HYDRANT			
HOSE BIBB			
CLEANOUT			
CLEANOUT AT FLOOR OR AT GRADE			
FLOOR OR AREA DRAIN			
ROOF DRAIN			
DOWNSPOUT NOZZLE			

SYMBOLS LIST	
PIPING	
DOMESTIC HOT WATER	— HW ————
DOMESTIC COLD WATER	— CW ————
DOMESTIC HOT WATER RETURN	— HWR ————
SANITARY	— SAN ————
VENT	— V ————
PUMP DISCHARGE	— PD ————
NATURAL GAS	— G ————
STORM	— ST ————
SECONDARY STORM	— SS ————
FIRE PROTECTION	— F ————
NOTATIONS	
DOMESTIC WATER RISER	
SANITARY STACK	

GENERAL NOTES:

- PROVIDE NEW DOMESTIC WATER, SANITARY WASTE, STORM DRAINAGE, NATURAL GAS FOR THIS BUILDING. PROVIDE ALL NECESSARY COMPONENTS FOR FULLY OPERATIONAL SYSTEM. INSTALL SYSTEMS IN ACCORDANCE WITH STATE REQUIREMENTS AND LOCAL AUTHORITY HAVING JURISDICTION. COORDINATE THE LOCATION OF ALL UTILITY CONNECTION POINTS, FLOOR DRAINS AND HUB DRAINS FOR EQUIPMENT WITH OTHER TRADES.
- ALL FLOOR PENETRATIONS TO BE SEALED WATER TIGHT AND COMPLETELY PACKED WITH FIRE STOP MATERIAL BY TRADE CONTRACTORS.
- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO SHOW THE EXACT LOCATIONS OF COMPONENTS, NOR SHOW ALL SYSTEM COMPONENTS. CONTRACTOR SHALL PROVIDE ADDITIONAL OFFSETS OR FITTINGS REQUIRED FOR PROPER INSTALLATION. COORDINATION WITH OTHER TRADES, AND/OR TO MAINTAIN PROPER CLEARANCES.
- DRAWINGS ARE NOT TO BE SCALED. DIMENSIONS SHALL GOVERN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE CONCERNING EXISTING AND NEW WORK BEFORE PROCEEDING WITH EITHER FABRICATION OR INSTALLATION IN MECHANICAL AREAS WITH NUMEROUS OBSTRUCTIONS INCLUDING DUCTWORK, EQUIPMENT AND PIPING. THIS WILL REQUIRE ON SITE CUTTING AND VERIFICATION.
- ANY INFORMATION CONFLICTS BETWEEN THE SPECIFICATIONS AND DRAWINGS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION. THE CONTRACTOR(S) SHALL NOT PROCEED WITH ANY WORK, EXCEPT AT THEIR OWN RISK, UNTIL CLARIFICATIONS OF THE CONFLICTS ARE ISSUED TO THE CONTRACTOR(S) BY THE ENGINEER.
- THE TERM "PROVIDE" SHALL MEAN THE CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT FOR COMPLETE AND OPERATIONAL SYSTEM.
- ALL MATERIAL AND LABOR SHALL BE UNDER WARRANTY FOR ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER. ANY NEW DEVICES OR EQUIPMENT FOUND FAULTY SHALL BE REPLACED AS PART OF THE WARRANTY.
- A SET OF APPROVED DRAWINGS SHALL BE MAINTAINED ON SITE AND ALL FIELD CHANGES SHALL BE RED LINED ON THE DRAWINGS. CONTRACTOR SHALL PREPARE "AS-BUILT" DRAWINGS IN ELECTRONIC (AUTOCAD) FORMAT, REFLECTING ACCURATE FIELD CONDITIONS.
- ALL PENETRATIONS THROUGH FIRE RESISTANCE RATED CONSTRUCTION SHALL BE PROVIDED A UL LISTED THROUGH PENETRATION FIRESTOP ASSEMBLY. THE RATINGS OF ALL FIRESTOP ASSEMBLIES SHALL BE GREATER THAN OR EQUAL TO THE RATING OF THE PENETRATED BARRIER.
- CORE DRILL PENETRATIONS IN CONCRETE FLOORS OR WALLS 1/2 INCHES LARGER THAN THE PIPE DIAMETER OF THE PENETRATING PIPE.
- DUCTWORK, PIPING, MECHANICAL EQUIPMENT AND CEILINGS SHALL NOT BE UTILIZED AS LADDERS, SCAFFOLDING OR WORK PLATFORMS.
- NO STRUCTURAL MEMBERS SHALL BE CUT, DRILLED, OR BURNED WITHOUT THE KNOWLEDGE AND WRITTEN APPROVAL OF THE OWNER.
- EQUIPMENT, MATERIALS, INSTALLATION WORKMANSHIP EXAMINATION AND TESTING SHALL BE IN ACCORDANCE WITH CURRENT PLUMBING CODE. INSTALL PIPING STRAIGHT AND TRUE TO BEAR EVENLY ON HANGARS AND SUPPORTS. PIPE SHALL NOT INTERFERE WITH OTHER EQUIPMENT AND CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING ALL CONFLICTS WITH LIGHTING FIXTURES, DIFFUSERS, GRILLS, DUCTS, STRUCTURAL MEMBERS, MECHANICAL EQUIPMENT AND PIPES.
- NO FABRICATION OR INSTALLATION IS ALLOWED WITHOUT APPROVED SHOP DRAWING SUBMITTALS.
- CONTRACTOR SHALL SUBMIT SYSTEM CATALOG PRODUCT DATA SHEETS OF ALL COMPONENTS PROPOSED FOR USE PRIOR TO INSTALLATION FOR APPROVAL. SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL.
- ALL MATERIALS AND EQUIPMENT SHALL BE NEW.
- PIPING SHALL NOT SHARE SUPPORTS WITH OTHER BUILDING SYSTEMS. IN MECHANICAL AREAS, PIPING SHALL NOT BE ATTACHED TO THE DUCT WORK. STANCHIONS SHALL BE USED WHERE PIPING IS UNABLE TO BE HUNG FROM ABOVE.
- PIPING IN AREAS WITH FINISHED CEILINGS SHALL BE INSTALLED ABOVE FINISHED CEILINGS.
- CONTRACTOR SHALL PROVIDE LABELS (WITH FLOW ARROWS) FOR ALL PIPING.
- PIPING SHALL NOT BE INSTALLED PASSING THROUGH ELECTRICAL ROOMS OR OVER ELECTRICAL PANELS. EQUIPMENT WHICH SERVES OTHER AREAS. COORDINATE THE LOCATION OF ALL PIPING WITH ELECTRICAL EQUIPMENT AND OTHER TRADES AND ADJUST AS NECESSARY.
- MAKE REASONABLE AND NECESSARY MODIFICATIONS IN LAYOUTS AND COMPONENTS NEEDED TO PREVENT CONFLICTS WITH WORK OF OTHER TRADES AND TO COORDINATE IN ACCORDANCE WITH SPECIFICATIONS.
- MAINTAIN MAXIMUM HEADROOM AT ALL LOCATIONS. ALL PIPING TO BE AS TIGHT TO THE UNDERSIDE OF DECK AS POSSIBLE. ALL EXPOSED PIPING SHALL BE APPROVED BY ARCHITECT AND SHALL MAINTAIN REQUIRED CLEARANCES. ALL EXPOSED PIPING SHALL BE PAINTED WHITE.

REVISION SCHEDULE		
#	DATE	REVISION DESCRIPTION

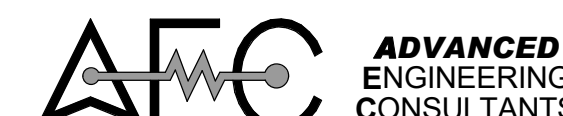
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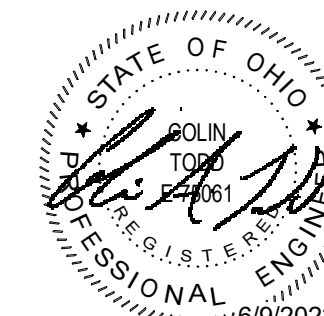
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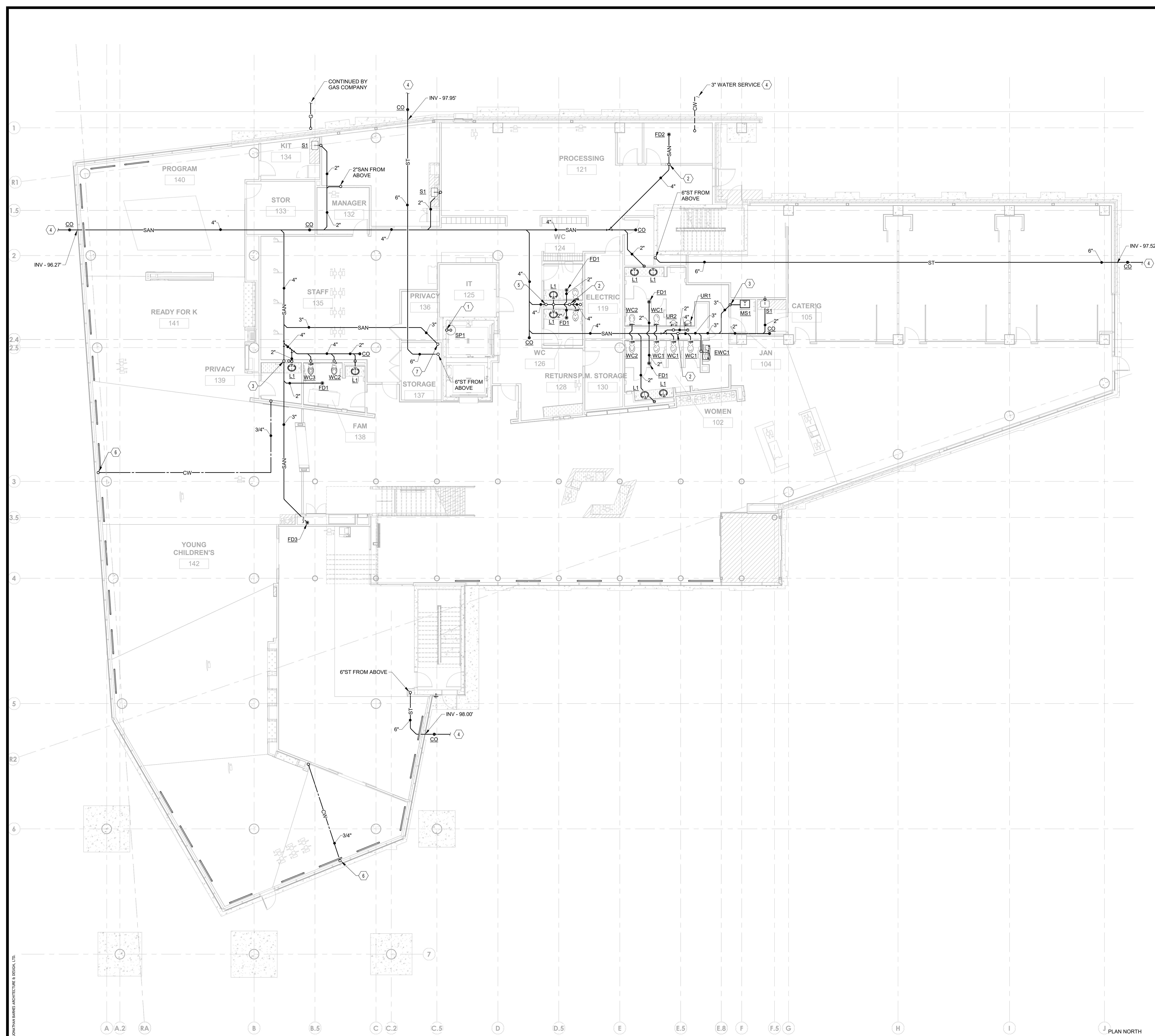


GENERAL INFORMATION - PLUMBING

PO.00

GENERAL NOTES
 A. FINISH FLOOR ELEVATION = 100.00'.
 B. SEE SHEET P0.00 FOR GENERAL NOTES.

CODED NOTES
 1. 2" PUMP DISCHARGE PIPING UP ON WALL OF ELEVATOR SHAFT.
 2. 2" VENT UP.
 3. 1-1/2" VENT UP.
 4. CONTINUED BY SITE CONTRACTOR.
 5. 4" SANITARY FROM ABOVE WITH CLEANOUT AT BASE.
 6. 3/4" CW UP IN INTERIOR WALL FOR WH1.
 7. 3" SANITARY FROM ABOVE WITH CLEANOUT AT BASE.



1 UNDERFLOOR PLAN - PLUMBING
 1/8" = 1'-0"

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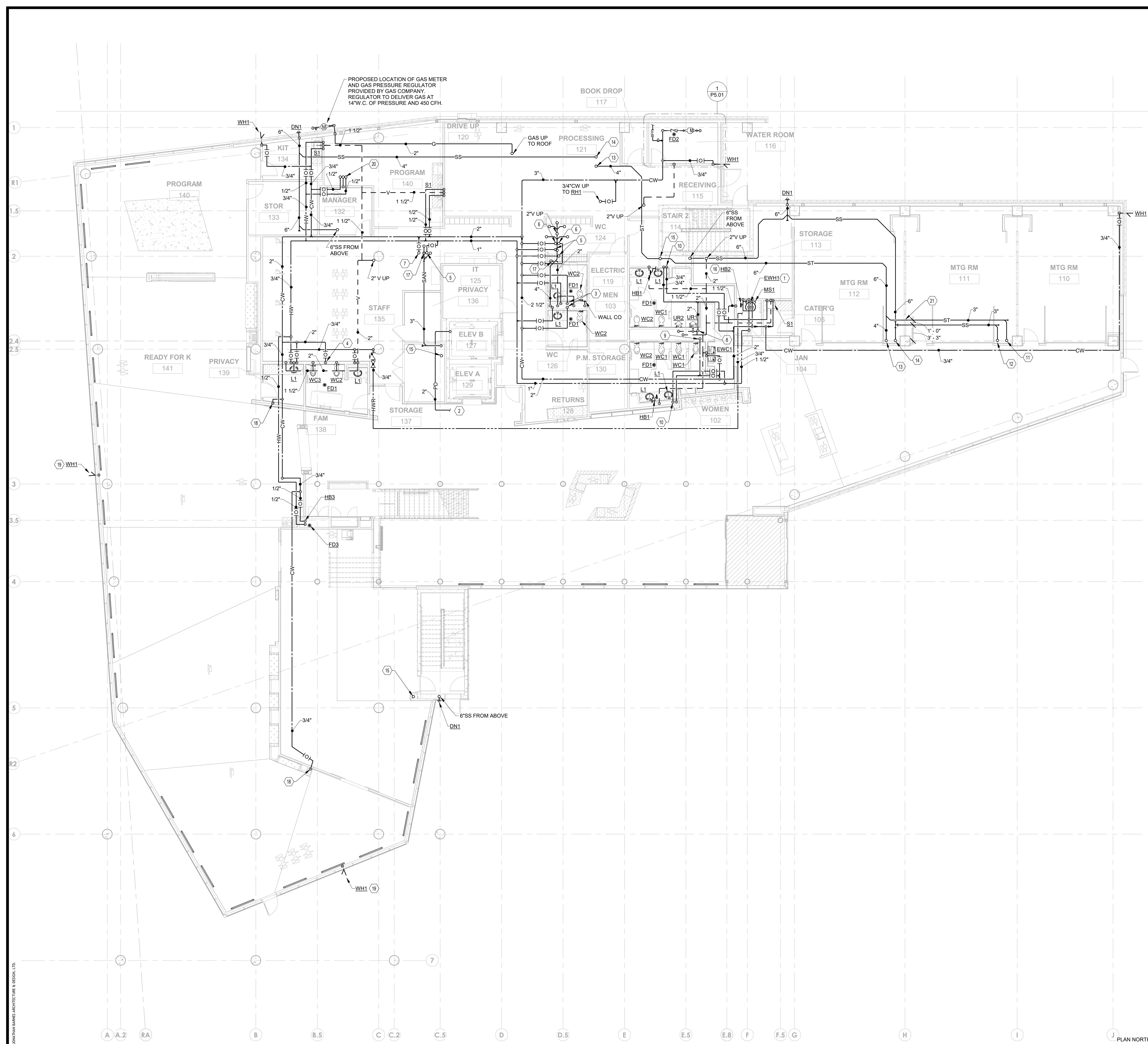
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UNDERFLOOR PLAN - PLUMBING

P1.00

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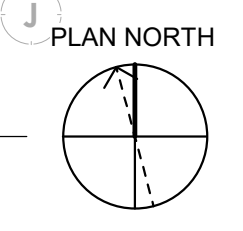
GENERAL NOTES

A. SEE SHEET P0.00 FOR GENERAL NOTES.

CODED NOTES

1. WATER HEATER MOUNTED ON WALL ABOVE MS1. PROVIDE PLATFORM WITH WALL BRACKET AND GALVANIZED DRAIN PAN. EXTEND 1/2" CW AND HW DOWN IN WALL AND CONNECT TO MS1. EXTEND DRAIN LINES TO MS1.
2. EXTEND 2" PUMP DISCHARGE PIPING TO NEAREST MOP SINK AND DISCHARGE WITH APPROVED AIR GAP. SEE DETAIL ON SHEET P5.01.
3. 1-1/2" CW DOWN IN CHASE. RUN FULL SIZE IN CHASE AND CONNECT 1" CW TO THE WATER CLOSET AND 1/2" CW TO THE LAVATORY.
4. 2" CW DOWN IN WALL. EXTEND FULL SIZE AND CONNECT 1" CW TO EACH WATER CLOSET AND 1/2" CW TO THE LAVATORY.
5. 1/2" HW UP TO FLOOR ABOVE.
6. 1-1/2" CW UP TO RESTROOM ABOVE.
7. 3/4" CW UP TO FLOOR ABOVE.
8. 2" CW DOWN IN CHASE. RUN FULL SIZE IN CHASE AND CONNECT 1" CW TO EACH WATER CLOSET AND 3/4" CW TO EACH URINAL.
9. 2" CW DOWN IN CHASE. RUN FULL SIZE IN CHASE AND CONNECT 1" CW TO EACH WATER CLOSET.
10. 3/4" CW AND HW DOWN IN WALL. EXTEND AND CONNECT 1/2" CW AND HW TO EACH LAVATORY AND 1/2" CW TO HOSE BIBB HB1 UNDER COUNTER.
11. 3" ST FROM ROOF DRAIN ABOVE.
12. 3" SS FROM SECONDARY ROOF DRAIN ABOVE.
13. 4" ST FROM ROOF DRAIN ABOVE.
14. 4" SS FROM SECONDARY ROOF DRAIN ABOVE.
15. 6" ST UP AND DOWN.
16. HOSE BIBB AT 24" AFF.
17. 1-1/2" V UP.
18. 3/4" CW DOWN IN WALL TO BELOW SLAB FOR WH1 ON WEST WALL. SEE SHEET P1.00 FOR CONTINUATION.
19. WALL HYDRANT SUPPLIED FROM BELOW SLAB. SEE SHEET P1.00 FOR CONTINUATION.
20. 1/2" CW AND HW AND 2" SAN UP TO SINK ON SECOND LEVEL.
21. ST AND SS PIPES TO PENETRATE BEAM AT THIS LOCATION. COORDINATE EXACT LOCATION AND ELEVATION WITH STRUCTURAL CONTRACTOR.

1 FIRST FLOOR PLAN - PLUMBING
1/8" = 1'-0"



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LEVEL 1 PLUMBING PLAN

P1.01

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