

NOTES

1. ALL EXPOSED RACEWAYS ARE TO BE INSTALLED PARALLEL OR PERPENDICULAR TO WALLS OR STRUCTURAL MEMBERS SUCH THAT THEY FOLLOW STRUCTURAL SURFACE CONTOURS AND SHALL BE INSTALLED SUCH THAT THEY DO NOT OBSTRUCT PASSAGeways OR ACCESS TO EQUIPMENT. MULTIPLE RACEWAYS SHOULD BE INSTALLED GROUPEd TOGETHER. THE LOCATION OF PUBLICLY VISIBLE RACEWAYS SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION. (EXTRA TIME SHOULD BE ALLOWED FOR THIS REVIEW AND APPROVAL.)

2. THE DISCONNECT MEANS FOR ALL MECHANICAL EQUIPMENT SHALL BE ACCESSIBLE AND HAVE THE CLEARANCE IN FRONT AS REQUIRED BY NEC AMENDMENTS.

3. ALL CEILING ATTACHED OBJECTS AND FLOOR ATTACHED EQUIPMENT INCLUDING BUT NOT LIMITED TO PENDANT LIGHTING FIXTURES, GENERAL LIGHTING, MULTIPLE RACEWAYS, GENERATOR, TRANSFORMER ELECTRICAL SWITCHGEAR, AND SWITCHBOARDS SHALL BE INSTALLED IN ACCORDANCE WITH SUPPORTING OBJECTS FOR SEISMIC ZONE AS REQUIRED BY STATE AND LOCAL CODES.

4. ALL SWITCHGEAR, SWITCHBOARDS AND TRANSFORMERS SHALL HAVE A 4 INCH HOUSE KEEPING PAD, UNDER NO CONDITION SHALL THE HIGHEST SWITCH OR BREAKER EXCEED 6'-6" AFF.

5. DATA GIVEN ON THE DRAWINGS IS AS EXACT AS COULD BE SECURED. ABSOLUTE ACCURACY IS NOT GUARANTEED AND THE CONTRACTOR SHALL OBTAIN AND VERIFY EXACT LOCATIONS, MEASUREMENTS, LEVELS, SPACE REQUIREMENTS, POTENTIAL CONFLICTS WITH OTHER TRADES, ETC., AT THE SITE AND SHALL SATISFACTORILY ADAPT THEIR WORK TO ACTUAL CONDITIONS AT THE BUILDINGS. THE DRAWINGS ARE DIAGRAMMATICAL IN NATURE AND SHALL NOT BE SCALED. HOWEVER THIS DOES NOT RELIEVE ANY SUB-CONTRACTOR FROM COORDINATING THEIR WORK WITH ALL OTHER TRADES AND FROM ADJUSTING THEIR WORK AS REQUIRED BY THE ACTUAL CONDITIONS OF THE PROJECT. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING COSTS TO BECOME THOROUGHLY FAMILIAR WITH THE ACTUAL CONDITIONS OF THE PROJECT.

6. COORDINATE AND ADJUST ALL WORK BETWEEN TRADES AND EXISTING CONDITIONS IN ORDER TO ACCOMPLISH A NEAT, INTEGRATED AND EFFICIENT INSTALLATION WHICH INCLUDE BUT ARE NOT LIMITED TO:

a. EXAMINE THE CONTRACT DOCUMENTS OF ALL TRADES (IE. THE ARCHITECTURAL, REFLECTED CEILING PLAN, MECHANICAL HVAC DRAWINGS, ELECTRICAL LIGHTING PLAN, FIRE PROTECTION PLAN, ETC.).

b. COORDINATE NECESSARY EQUIPMENT, FIXTURES, ETC. SO THAT THE FINAL INSTALLATION IS COMPATIBLE WITH THE MATERIALS AND EQUIPMENT OF THE OTHER TRADES.

c. THIS CONTRACTOR SHALL ASSIST THE DIVISION 23 CONTRACTOR IN PREPARING SHOP DRAWINGS FOR COORDINATING INSTALLATION OF ALL WORK (IE. LOCATING ALL LIGHTING FIXTURES IN CEILING WITH CEILING CLEARANCES, RACEWAYS, PIPING, EQUIPMENT FOR CLEARANCE THROUGHOUT).

d. THE ELECTRICAL DRAWINGS INDICATE THE ELECTRICAL REQUIREMENTS FOR A SIGNIFICANT PORTION OF THE MECHANICAL AND PLUMBING SYSTEMS. ADDITIONAL MECHANICAL AND PLUMBING EQUIPMENT IS INDICATED ON THE DIVISION 23 DRAWINGS. REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. PROVIDE COMPLETE WIRING AND FUSIBLE DISCONNECTING MEANS FOR ALL MECHANICAL AND PLUMBING EQUIPMENT.

7. DEFINITIONS:

a. "FURNISH" MEANS TO "SUPPLY" AND USUALLY REFERS TO AN ITEM OF EQUIPMENT.

b. "INSTALL" MEANS TO "SET IN PLACE, CONNECT AND PLACE IN FULL OPERATIONAL ORDER".

c. "PROVIDE" MEANS TO "FURNISH AND INSTALL".

d. "EQUIVALENT" MEANS "MEETS THE SPECIFICATIONS OF THE REFERENCE PRODUCT OR ITEM IN ALL SIGNIFICANT ASPECTS." SIGNIFICANT ASPECTS SHALL BE DETERMINED BY THE ENGINEER.

e. "RE- DIVISION", AND SIMILAR EXPRESSIONS MEANS WORK TO BE PERFORMED UNDER THE CONTRACT DOCUMENTS, BUT NOT NECESSARILY UNDER THE DIVISION OR SECTION OF THE WORK ON WHICH THE NOTE APPEARS. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO COORDINATE THE WORK OF THE CONTRACT BETWEEN THEIR SUPPLIERS, SUBCONTRACTORS, AND EMPLOYEES. IF CLARIFICATION IS REQUIRED, CONSULT ARCHITECT.

8. "FIRESSTOPPING" REQUIREMENT. ALL PENETRATIONS THROUGH RATED WALLS AND FLOORS SHALL BE SEALED WITH MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASSES WHEN SUBJECTED TO THE REQUIREMENTS OF THE TEST STANDARD SPECIFIC FOR FIRE STOPS ASTM-E-814. ALL PENETRATIONS SHALL MEET F AND T RATINGS AS REQUIRED BY THE BUILDING CODE.

9. WHERE DISCONNECTS ARE INDICATED ON DRAWINGS CONTRACTOR SHALL PROVIDE FINAL CONNECTION FROM DISCONNECT TO EQUIPMENT BEING SERVED.

10. CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS SUPPORTS AS REQUIRED FOR A COMPLETE OPERABLE ELECTRICAL INSTALLATION INCLUDING MISCELLANEOUS STEEL, UNI-STRUT, ALL-THREAD, AIRCRAFT CABLE, ETC.

11. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR ALL SINGLE PHASE CIRCUITS. A SHARED NEUTRAL CONDUCTOR IS NOT ACCEPTABLE ON SINGLE PHASE CIRCUITS.

12. EQUIPMENT INTERRUPTING RATINGS INDICATED ON THE DRAWINGS ARE BASED ON PRELIMINARY INFORMATION AND ARE SHOWN FOR BIDDING PURPOSES ONLY. VERIFY EQUIPMENT INTERRUPTING CAPACITY REQUIREMENTS PRIOR TO ORDERING ANY RELATED ELECTRICAL DISTRIBUTION EQUIPMENT.

13. PROVIDE NEW TYPE WRITTEN DIRECTORIES FOR ALL PANELBOARDS INSTALLED OR MODIFIED UNDER THIS CONTRACT.

14. ALL CIRCUIT BREAKER LUGS SHALL BE RATED FOR A MINIMUM OF 75 DEGREES CELSIUS.

15. ALL MATERIALS IN CEILING PLENUMS NOT ENCLOSED IN METALLIC CONDUIT SHALL HAVE CLASS, FLAME READ AND SMOKE DEVELOP INDEX RATINGS AS REQUIRED FOR USE IN OPEN PLENUMS.

16. VOLTAGE DROP: THE ELECTRICAL CONTRACTOR SHALL ENSURE THAT VOLTAGE DROP FOR FEEDERS TO DISTRIBUTION EQUIPMENT DOES NOT EXCEED 2% AND VOLTAGE DROP IN BRANCH CIRCUITS DOES NOT EXCEED 3% FOR OVERALL VOLTAGE DROP OF 5% (MAXIMUM). FEEDERS LISTED ON SCHEDULES AND THE ELECTRICAL ONE-LINE DIAGRAM ARE A BASE FEEDER/BRANCH CIRCUIT SIZE AND SHALL BE ADJUSTED AS NEEDED BASED ON ACTUAL LENGTH OF CONDUCTORS.

17. REFER TO GENERAL NOTES FOR NUMBER OF PANEL SECTIONS AND QUANTITY OF CIRCUIT BREAKERS PANEL SCHEDULES SUPERSEDE ALL NOTES

18. REFER TO SPECIFICATIONS FOR ADDITIONAL PROJECT REQUIREMENTS.

TYPICAL DEVICE MOUNTING HEIGHTS

THE ENTIRE LENSE NOT LESS THAN 8" AND NOT GREATER THAN 36" AFF

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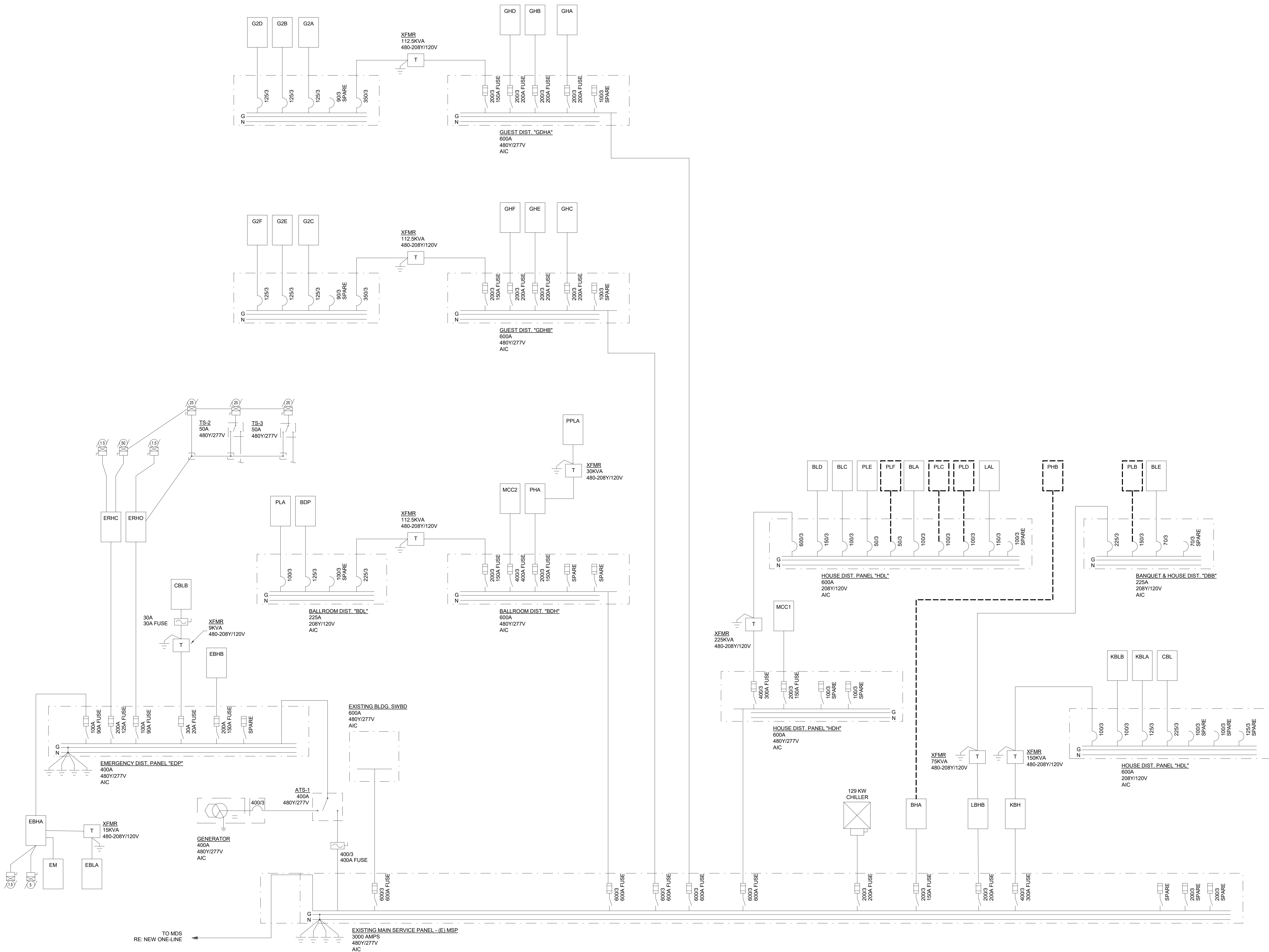
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DEMOLITION KEY:

— THIN SOLID LINES ARE EXISTING TO REMAIN SCOPE  
----- THICK DASHED LINES IS SCOPE TO BE DEMOLISHED



GENERAL NOTES:

1. ALL FEEDERS AND TERMINATIONS SHALL BE COPPER 75 DEGREE RATED.
2. FEEDER LENGTHS ARE INDICATED FOR CALCULATION PURPOSES ONLY. THIS DRAWING IS NOT TO SCALE. FEEDERS LENGTHS MUST BE CONFIRMED WITH THE CONTRACTOR.
3. ALL CONDUIT RUNS SHALL BE RAN PERPENDICULAR AND PARALLEL TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT RUNS SHALL BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION.
4. FOR CALCULATION PURPOSES THE FOLLOWING TRANSFORMER (2016 DOE) IMPEDANCES AND MAXIMUM SHORT CIRCUIT VALUES WERE USED 15 KVA-3.1 %Z, ISC=1,343A, 30 KVA-2.5 %Z, ISC=1,865A, 45 KVA-3.2 %Z, ISC=3,903A, 75 KVA-2.8 %Z, ISC=7,330A, 112.5 KVA-3.4 %Z, ISC=8,184A, 150 KVA-3.0 %Z, ISC=13,787A, 225 KVA-3.5 %Z, ISC=17,844A, 300 KVA-3.5 %Z, ISC=23,929A, 500 KVA-4.8 %Z, ISC=30,171A.
5. PROVIDE FULL BUSSING FOR ALL SPACES INDICATED ON PANEL BOARDS AND DISTRIBUTION BOARDS.
6. CONNECT ALL TRANSFORMER GROUNDING ELECTRODES TO GROUND BUS RISER, COLD WATER PIPE, CONCRETE ENCASED ELECTRODE AND BUILDING GROUND LOOP.
7. ALL 208/120V PANELS SHALL BE TWO SECTION, WITH 60 CIRCUIT BREAKERS IN EACH SECTION, UNLESS OTHERWISE NOTED.
8. ALL 480/277V PANELS SHALL BE ONE SECTION WITH 42 CIRCUIT BREAKERS IN THE SECTION, UNLESS OTHERWISE NOTED.
9. REFER TO FEEDER TABLE FOR FEEDER SIZE CORRESPONDING TO OVERCURRENT PROTECTION DEVICE (BREAKER OR FUSE) SHOWN ON ONE-LINE.
10. ALL EQUIPMENT TO BE FULLY RATED FOR THE AVAILABLE AMPS. 65,000 ASSUME FAULT. AVAILABLE AT THE MAIN SERVICE.
11. REFER TO SHEET E6-00 FOR GROUND BUS BAR DETAIL.
12. REFER TO SHEET E6-00 FOR PANELBOARD AND SWITCHBOARD NAMEPLATE DETAILS.

KEY NOTES:

**Steamboat**  
ALTERRA east west partners  
MOUNTAIN COMPANY

[SET PROJECT ADDRESS PARAMETER & ENERGY SETTINGS IF APPLICABLE]

Gensler

1225 17th Street  
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△	Date	Description
-	2021.06.04	BP4C - KVC INTERIORS - ISSUE FOR PERMIT AND CONSTRUCTION

Seal / Signature



Project Name  
Steamboat Base Village  
Redevelopment

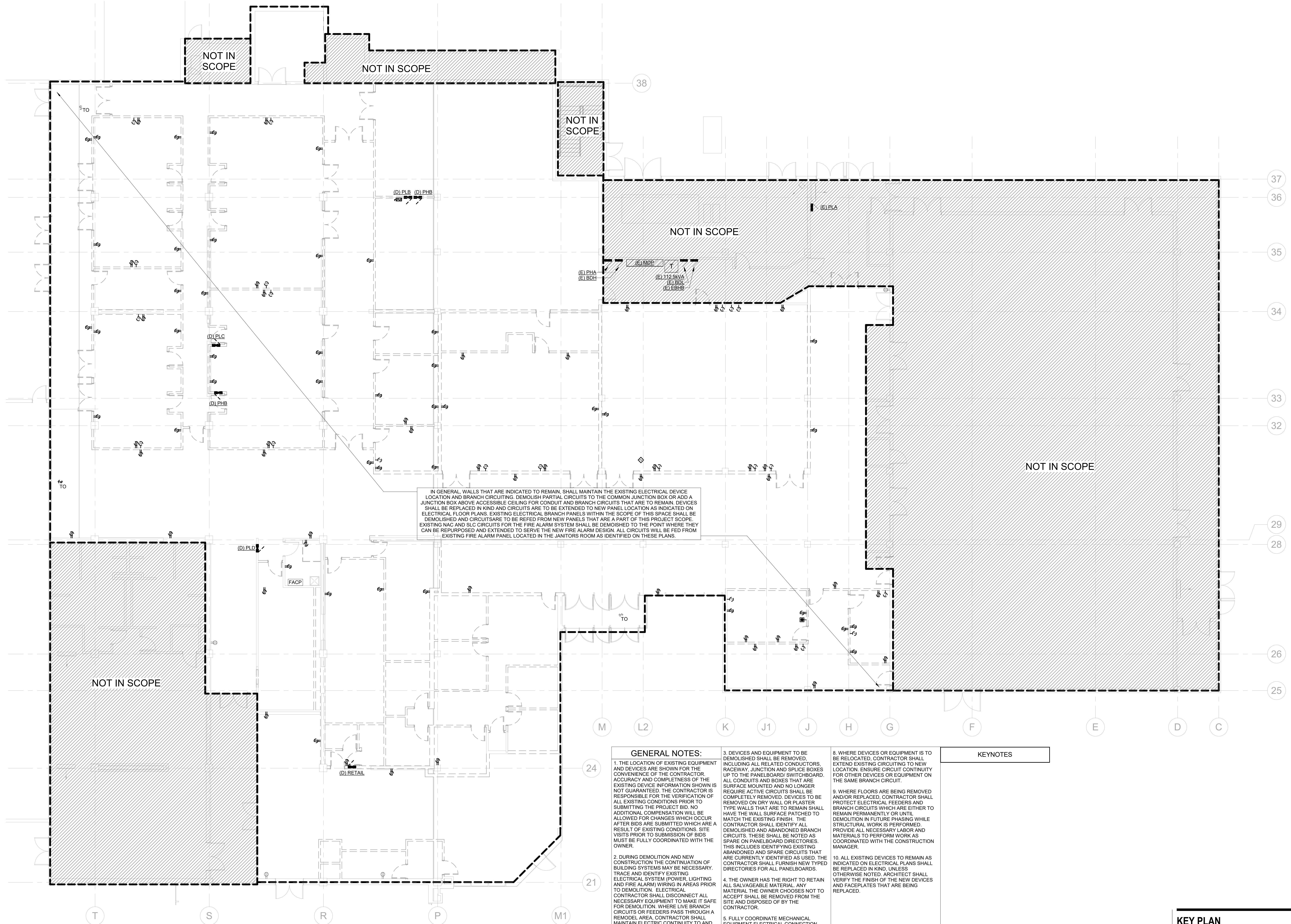
Project Number  
003.7835.000

Description  
ELECTRICAL DEMO ONE-LINES

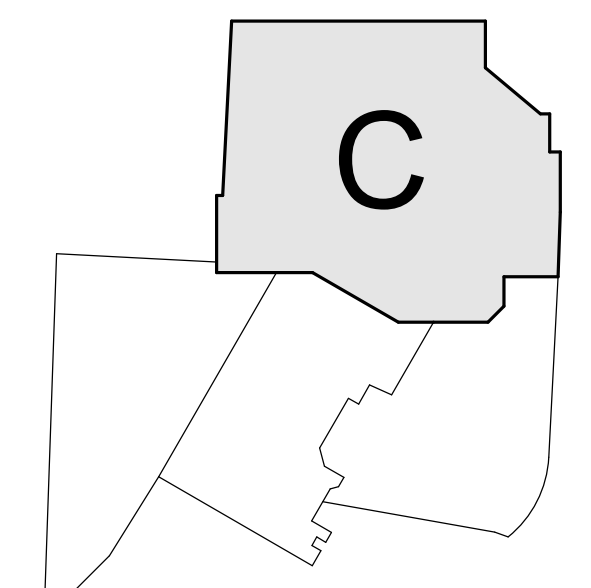
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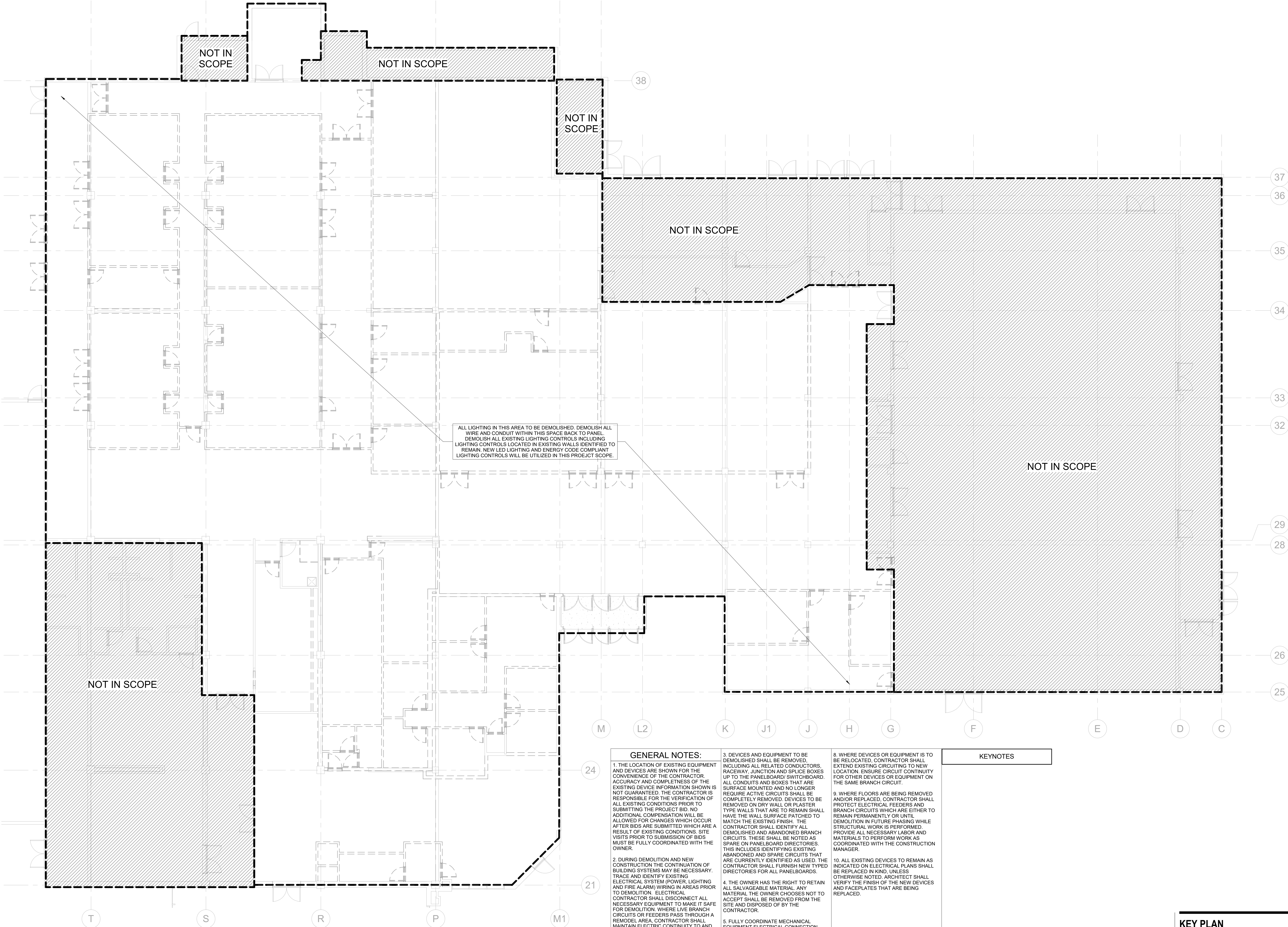
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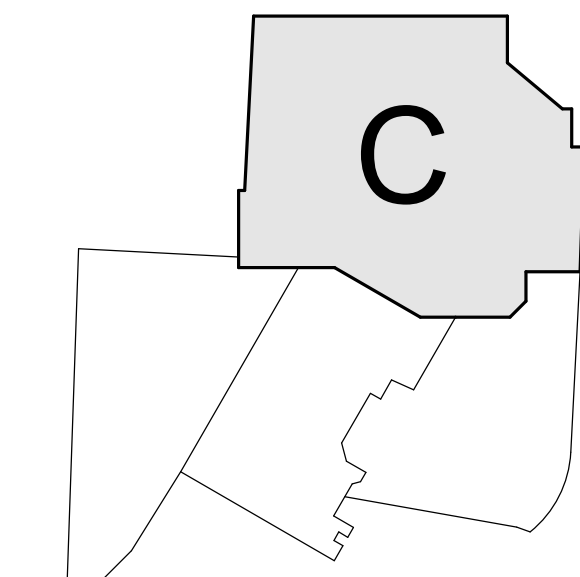


## KEY PLAN





KEY PLAN



GENERAL NOTES:

1. THE LOCATION OF EXISTING EQUIPMENT AND DEVICES ARE SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR. ACCURACY AND COMPLETENESS OF THE EXISTING DEVICE INFORMATION SHOWN IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO SUBMITTING THE PROJECT BID. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CHANGES WHICH OCCUR AFTER BIDS ARE SUBMITTED WHICH ARE A RESULT OF EXISTING CONDITIONS. SITE VISITS PRIOR TO SUBMISSION OF BIDS MUST BE FULLY COORDINATED WITH THE OWNER.
2. DURING DEMOLITION AND NEW CONSTRUCTION THE CONTINUATION OF BUILDING SYSTEMS MAY BE NECESSARY. TRACE AND IDENTIFY EXISTING ELECTRICAL SYSTEM (POWER, LIGHTING AND FIRE ALARM) WIRING IN AREAS PRIOR TO DEMOLITION. ELECTRICAL CONTRACTOR SHALL DISCONNECT ALL NECESSARY EQUIPMENT TO MAKE IT SAFE FOR DEMOLITION. WHERE LIVE BRANCH CIRCUITS OR FEEDERS PASS THROUGH A REMODEL AREA, CONTRACTOR SHALL MAINTAIN ELECTRIC CONTINUITY TO AND PROTECT BRANCH CIRCUITS AND/OR FEEDERS PASSING THROUGH. WHERE FEEDERS AND/OR BRANCH CIRCUITS FEED BOTH LOADS IN A REMODELED AREA AND OUTSIDE OF A REMODELED AREA, CONTRACTOR SHALL DISCONNECT AND REMOVE PORTIONS OF THE ELECTRICAL BRANCH CIRCUITS AND/OR FEEDERS WITHIN THE REMODELED AREA AND REWORK BRANCH CIRCUITS AND/OR FEEDERS TO MAINTAIN ELECTRICAL CONTINUITY TO LOADS OUTSIDE OF THE REMODELED AREA.

3. DEVICES AND EQUIPMENT TO BE DEMOLISHED SHALL BE REMOVED, INCLUDING ALL RELATED CONDUCTORS, RACEWAY, JUNCTION AND SPLICE BOXES UP TO THE PANELBOARD/ SWITCHBOARD. ALL CONDUITS AND BOXES THAT ARE SURFACE MOUNTED AND NO LONGER REQUIRE ACTIVE CIRCUITS SHALL BE COMPLETELY REMOVED. DEVICES TO BE REMOVED ON DRY WALL OR PLASTER TYPE WALLS THAT ARE TO REMAIN SHALL HAVE THE WALL SURFACE PATCHED TO MATCH THE EXISTING FINISH. THE CONTRACTOR SHALL IDENTIFY ALL DEMOLISHED AND ABANDONED BRANCH CIRCUITS. THESE SHALL BE NOTED AS SPARE ON PANELBOARD DIRECTORIES. THIS INCLUDES IDENTIFYING EXISTING ABANDONED AND SPARE CIRCUITS THAT ARE CURRENTLY IDENTIFIED AS USED. THE CONTRACTOR SHALL FURNISH NEW TYPED DIRECTORIES FOR ALL PANELBOARDS.
4. THE OWNER HAS THE RIGHT TO RETAIN ALL SALVAGEABLE MATERIAL. ANY MATERIAL THE OWNER CHOOSES NOT TO ACCEPT SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR.
5. FULLY COORDINATE MECHANICAL EQUIPMENT ELECTRICAL CONNECTION REMOVAL AND RELOCATION WITH THE MECHANICAL CONTRACTOR.
6. REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING DEMOLITION DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.

8. WHERE DEVICES OR EQUIPMENT IS TO BE RELOCATED, CONTRACTOR SHALL EXTEND EXISTING CIRCUITING TO NEW LOCATION. ENSURE CIRCUIT CONTINUITY FOR OTHER DEVICES OR EQUIPMENT ON THE SAME BRANCH CIRCUIT.
9. WHERE FLOORS ARE BEING REMOVED AND/OR REPLACED, CONTRACTOR SHALL PROTECT ELECTRICAL FEEDERS AND BRANCH CIRCUITS WHICH ARE EITHER TO REMAIN PERMANENTLY OR UNTIL DEMOLITION IN FUTURE PHASING WHILE STRUCTURAL WORK IS PERFORMED. PROVIDE ALL NECESSARY LABOR AND MATERIALS TO PERFORM WORK AS COORDINATED WITH THE CONSTRUCTION MANAGER.
10. ALL EXISTING DEVICES TO REMAIN AS INDICATED ON ELECTRICAL PLANS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED. ARCHITECT SHALL VERIFY THE FINISH OF THE NEW DEVICES AND FACEPLATES THAT ARE BEING REPLACED.

KEYNOTES

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Project Number

003.7835.000

Description

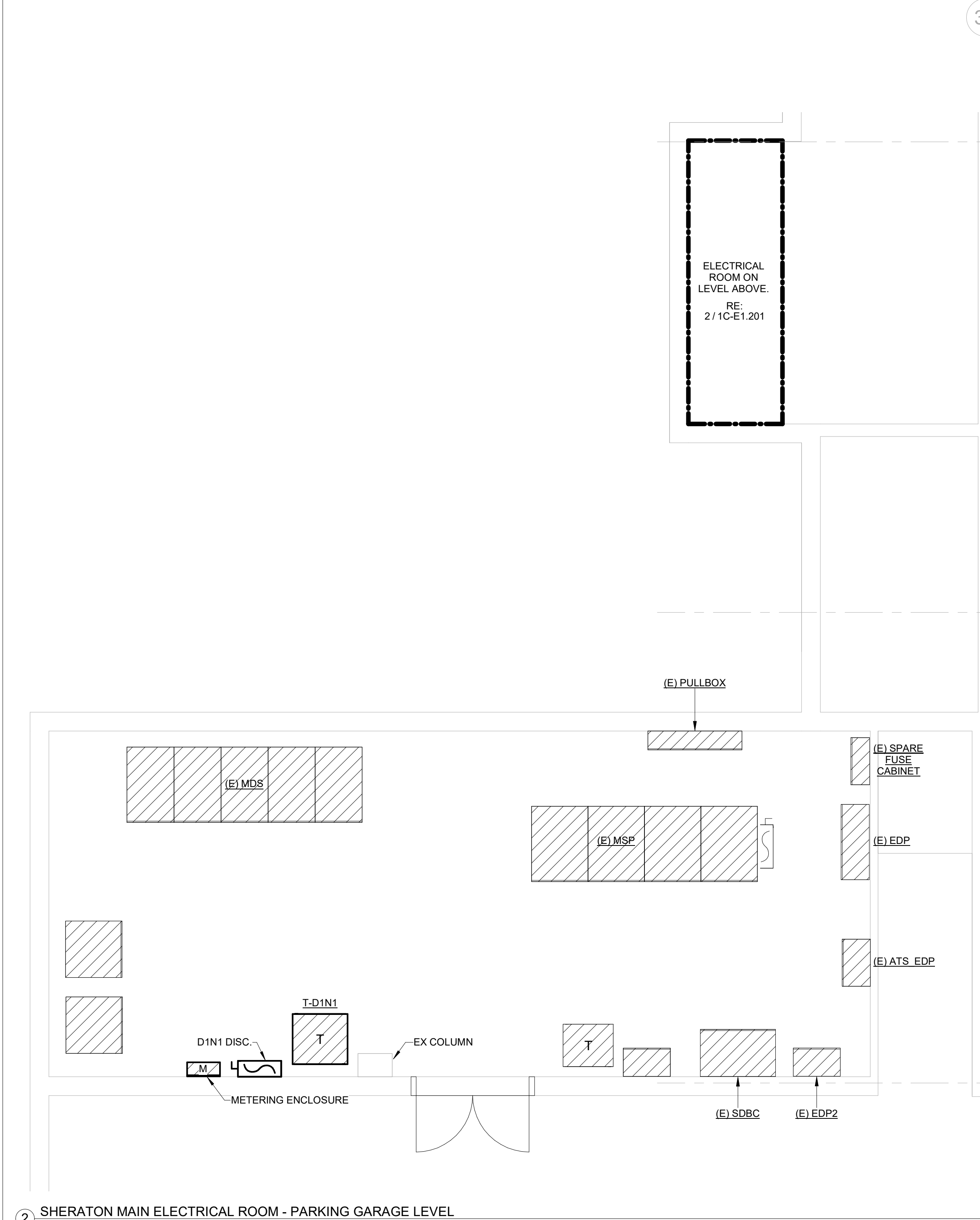
LIGHTING DEMOLITION PLAN - LEVEL  
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Scale

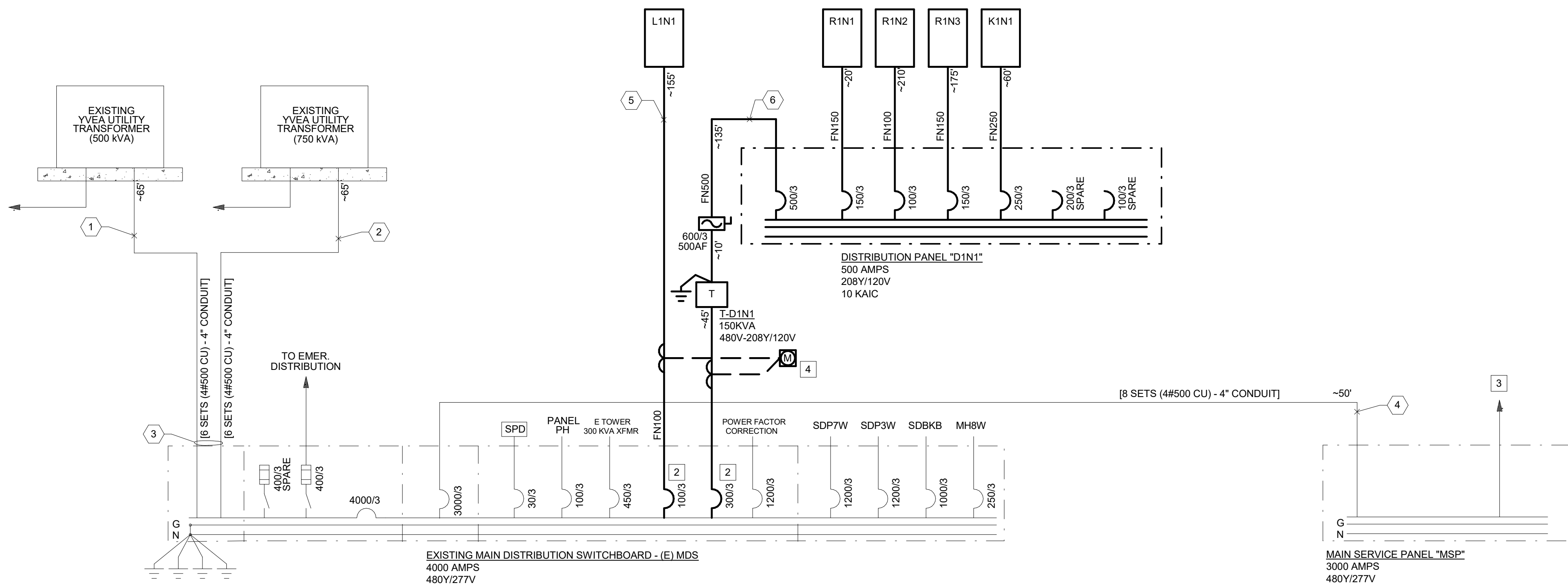
1/8" = 1'-0"

**1C-DE1.102**





2 SHERATON MAIN ELECTRICAL ROOM - PARKING GARAGE LEVEL  
1/4" = 1'-0"



A SHERATON BUILDING - EXISTING + NEW ELECTRICAL ONE-LINE DIAGRAM  
NO SCALE

TRANSFORMER TABLE - 480V PRIMARY - 208Y/120V SECONDARY							
KVA	FL AMPS	BKR SIZE	FDR	TRANSFORMER GROUNDING ELECTRODE	FL AMPS	BKR SIZE	FDR
3PH	480V	(1)	(2)	(WIRING PIPE)	208V	(1)	(2)
15	18	30	F30	(#8 CU) 3/4"	42	50	FN100A
30	36	50	F50	(#6 CU) 3/4"	83	100	FN150
45	54	70	F70	(#6 CU) 3/4"	126	150	FN150
75	90	125	F125	(#6 CU) 3/4"	208	250	FN250A
112.5	135	175	F175	(#10 CU) 1"	312	400	FN400A
150	180	225	F225	(#10 CU) 1"	416	500	FN500A
225	271	350	F350	(#10 CU) 1"	636	800	FN800A
300	361	450	F450	(#10 CU) 1"	833	1000	FN1000A
500	601	800	F800	(#250 KCMIL) 1"	1388	1600	FN1600A

NOTES:  
1. USE DEVICE TYPES INDICATED ON SINGLE LINE DIAGRAM.  
2. REFERENCE FEEDER TABLE FOR FEEDER SIZE.

#### KVC SHORT CIRCUIT STUDY

ALL EQUIPMENT MUST BE FULLY RATED FOR...  
CIRCUIT / FAULT VALUES SHOWN BELOW. SERIES  
RATING NOT PERMITTED.

KEY	AVAILABLE AMPS
1	25,800
2	17,300
3	41,552
4	29,032
5	7,449
6	7,987

ME FEEDER TABLE												
BKR/OC/PD	TAG	SETS	COPPER		ALUMINUM		TAG	SETS	COPPER		ALUMINUM	
			FEEDER/PIPE [3W]		FEEDER/PIPE [3W]				FEEDER/PIPE [4W]		FEEDER/PIPE [4W]	
20	F20	1	(3#12.5/10G) 3/4"	-	-	-	FN20	1	(4#12.5/10G) 3/4"	-	-	-
30	F30	1	(3#10.5/10G) 3/4"	-	-	-	FN30	1	(4#10.5/10G) 3/4"	-	-	-
40	F40	1	(3#8.5/10G) 3/4"	-	-	-	FN40	1	(4#8.5/10G) 3/4"	-	-	-
50	F50	1	(3#8.5/10G) 3/4"	-	-	-	FN50	1	(4#8.5/10G) 3/4"	-	-	-
50	-	-	-	-	-	-	FN50A	1	(4#8.5/10G) 3/4"	-	-	-
50	-	-	-	-	-	-	FD50A	1	(5#8.5/10G) 3/4"	-	-	-
60	F60	1	(3#6.8/8G) 1"	-	-	-	FN60	1	(4#6.8/8G) 1"	-	-	-
70	F70	1	(3#4.8/8G) 1-1/4"	-	-	-	FN70	1	(4#4.8/8G) 1-1/4"	-	-	-
80	F80	1	(3#4.8/8G) 1-1/4"	-	-	-	FN80	1	(4#4.8/8G) 1-1/4"	-	-	-
90	F90	1	(3#3.8/8G) 1-1/4"	-	-	-	FN90	1	(4#3.8/8G) 1-1/4"	-	-	-
100	F100	1	(3#3.8/8G) 1-1/4"	-	-	-	FN100	1	(4#3.8/8G) 1-1/2"	-	-	-
100	-	-	-	-	-	-	FN100A	1	(4#3.8/8G) 1-1/2"	-	-	-
100	-	-	-	-	-	-	FD100A	1	(5#3.8/8G) 1-1/2"	-	-	-
110	F110	1	(3#2.8/8G) 1-1/2"	-	-	-	-	-	-	-	-	-
125	F125	1	(3#1.8/8G) 1-1/2"	-	-	-	FN125	1	(4#1.8/8G) 2"	-	-	-
150	F150	1	(3#1.8/8G) 1-1/2"	-	-	-	FN150	1	(4#1.8/8G) 2"	-	-	-
175	F175	1	(3#2.0/8G) 2"	-	-	-	FN175	1	(4#2.0/8G) 2"	-	-	-
200	F200	1	(3#2.0/8G) 2"	-	-	(3#250.0/6G) 2-1/2"	FN200	1	(4#2.0/8G) 2-1/2"	-	-	(4#250.0/6G) 3-1/2"
225	F225	1	(3#4.0/8G) 2-1/2"	-	-	(3#300.0/4G) 2-1/2"	FN225	1	(4#4.0/8G) 2-1/2"	-	-	(4#300.0/4G) 3-1/2"
250	F250	1	(3#250.0/4G) 2-1/2"	-	-	(3#350.0/4G) 2-1/2"	FN250	1	(4#250.0/4G) 3"	-	-	(4#350.0/4G) 3"
250	-	-	-	-	-	-	FN250A	1	(4#250.0/4G) 3"	-	-	(4#350.0/4G) 3"
250	-	-	-	-	-	-	FD250A	1	(5#250.0/4G) 3"	-	-	(5#350.0/4G) 3"
300	F300	1	(3#350.0/4G) 3"	-	-	(3#500.0/4G) 3"	FN300	1	(4#350.0/4G) 3"	-	-	(4#500.0/4G) 3"
350	F350	1	(3#500.0/3G) 3"	-	-	(3#700.0/3G) 3-1/2"	FN350	1	(4#500.0/3G) 3-1/2"	-	-	(4#700.0/3G) 3-1/2"
400	F400	2	(3#300.0/3G) 2"	-	-	(3#250.0/3G) 2-1/2"	FN400	2	(4#300.0/3G) 2-1/2"	-	-	(4#250.0/3G) 2-1/2"
400	-	-	-	-	-	-	FN400A	2	(4#300.0/3G) 2-1/2"	-	-	(4#250.0/3G) 2-1/2"
400	F400B	1	(3#800.0/3G) 4"	-	-	-	FN400B	1	(4#800.0/3G) 4"	-	-	-
450	-	-	-	-	-	-	FD400B	2	(5#300.0/10G) 2-1/2"	-	-	(5#250.0/10G) 2-1/2"
450	F450	2	(3#400.0/2G) 2-1/2"	-	-	(3#300.0/2G) 2-1/2"	FN450	2	(4#400.0/2G) 2-1/2"	-	-	(4#300.0/2G) 2-1/2"
500	F500	2	(3#250.0/2G) 2-1/2"	-	-	(3#350.0/2G) 2-1/2"	FN500	2	(4#250.0/2G) 3"	-	-	(4#350.0/2G) 3"
500	-	-	-	-	-	-	FN500A	2	(4#250.0/10G) 3"	-	-	(4#350.0/10G) 3"
500	-	-	-	-	-	-	FD500A	2	(5#250.0/10G) 3"	-	-	(5#350.0/10G) 3"
600	F600	2	(3#350.0/1G) 3"	-	-	(3#500.0/1G) 3"	FN600	2	(4#350.0/1G) 3"	-	-	(4#500.0/1G) 3"
700	F700	2	(3#500.0/10G) 3"	-	-	(3#700.0/10G) 3-1/2"	FN700	2	(4#500.0/10G) 3-1/2"	-	-	(4#700.0/10G) 3-1/2"
750	F750	2	(3#500.0/10G) 3"	-	-	(3#700.0/10G) 3-1/2"	-	-	-	-	-	-
800	F800	3	(3#300.0/10G) 3"	-	-	(3#400.0/10G) 3"	FN800	3	(4#300.0/10G) 3"	-	-	(4#400.0/10G) 3"
800	-	-	-	-	-	-	FN800A	3	(4#300.0/20G) 3"	-	-	(4#400.0/20G) 3"
800	F800B	2	(3#500.0/10G) 3-1/2"	-	-	-	FN800B	2	(4#500.0/10G) 4"	-	-	-
800	-	-	-	-	-	-	FD800A	3	(5#300.0/20G) 3"	-	-	(5#400.0/20G) 3"
NOTES:												
ALL CONDUCTORS ARE WITH THINWIRE WIRE WITH 75DEG TERMINATIONS.												
ALL ALUMINUM FEEDERS SHALL INCLUDE COPPER EQUIPMENT GROUND CONDUCTORS.												
ALL ALUMINUM FEEDERS TO UTILIZE COMPRESSION TERMINATIONS.												
ALL FEEDERS AND BRANCH CIRCS TO MECHANICAL AND VIBRATING EQUIPMENT SHALL BE COPPER CONDUCTORS												
ALL EMERGENCY FEEDERS TO BE COPPER CONDUCTORS.												
FEEDERS STARTING WITH "FD" CONTAIN DOUBLE NEUTRAL.												

NOTES:  
ALL CONDUCTORS ARE WITH THIRTYTHIN WIRE WITH 75DEG TERMINATIONS.  
ALL ALUMINUM FEEDERS SHALL INCLUDE COPPER EQUIPMENT GROUND CONDUCTORS.  
ALL ALUMINUM FEEDERS TO UTILIZE COMPRESSION TERMINATIONS.  
ALL FEEDERS AND BRANCH CIRCUITS TO MECHANICAL AND VIBRATING EQUIPMENT SHALL BE COPPER CONDUCTORS.  
ALL EMERGENCY FEEDERS TO BE COPPER CONDUCTORS.  
FEEDERS STARTING WITH "FD" CONTAIN DOUBLE NEUTRAL.

#### NEW SCOPE KEY:

- THIN SOLID LINES ARE EXISTING TO REMAIN SCOPE
- THICK SOLID LINES IS NEW SCOPE FOR THIS PROJECT

#### GENERAL NOTES:

- ALL FEEDERS AND TERMINATIONS SHALL BE COPPER 75 DEGREE RATED.
- FEEDER LENGTHS ARE INDICATED FOR CALCULATION PURPOSES ONLY. THIS DRAWING IS NOT TO SCALE. FEEDER LENGTHS MUST BE CONFIRMED WITH THE CONTRACTOR.
- ALL CONDUIT RUNS SHALL BE RAN PERPENDICULAR AND PARALLEL TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT RUNS SHALL BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION.
- FOR CALCULATION PURPOSES THE FOLLOWING TRANSFORMER (2016 DOE) IMPEDANCES AND MAXIMUM SHORT CIRCUIT VALUES WERE USED: 15 KVA-3.1 %Z, ISC=1,343A, 30 KVA-2.5 %Z, ISC=1,855A, 45 KVA-3.2 %Z, ISC=3,903A, 75 KVA-2.8 %Z, ISC=7,330A, 112.5 KVA-3.4 %Z, ISC=9,184A, 150 KVA-3.0 %Z, ISC=13,787A, 225 KVA-3.5 %Z, ISC=17,844A, 300 KVA-3.5 %Z, ISC=23,529A, 500 KVA-4.6 %Z, ISC=30,171A.
- PROVIDE FULL BUSSING FOR ALL SPACES INDICATED ON PANEL BOARDS AND DISTRIBUTION BOARDS.
- CONNECT ALL TRANSFORMER GROUNDING ELECTRODES TO GROUND BUS RISER, COLD WATER PIPE, CONCRETE ENCASED ELECTRODE AND BUILDING GROUND LOOP.
- ALL EQUIPMENT TO BE FULLY RATED FOR THE AVAILABLE AMPS.
- REFER TO SHEET E8.000 FOR GROUND BUS BAR DETAIL.
- REFER TO SHEET E8.000 FOR PANELBOARD AND SWITCHBOARD NAMEPLATE DETAILS.
- ALL NEW PANELS INDICATED HERE SHALL HAVE INTEGRAL SURGE PROTECTION DEVICES LOCATED INTERNAL TO PANEL. SURGE PROTECTION DEVICE TO HAVE ALL MODES OF PROTECTION.

#### KEY NOTES:

- NOT USED.
- PROVIDE NEW BREAKER IN EXISTING SPACE WITHIN EXISTING SERVICE SWITCHBOARD. EXACT BREAKER TYPE TO BE VERIFIED BY EXISTING GEAR MANUFACTURER AND THE RESULTS OF THE SHORT CIRCUIT COORDINATION STUDY.
- RE: DEMO ONE-LINE FOR DOWN STREAM DISTRIBUTION. NONE OF THE EXISTING DISTRIBUTION HAS BEEN METERED OTHER THAN THE SERVICE ENTRANCE SWITCHBOARD WHICH HAS BEEN OBTAINED FROM THE UTILITY.
- PROVIDE E-GAUGE CORE METERING (OR APPROVED EQUAL) FACTORY TRAINING AND MONITORING SOFTWARE TO BE INCLUDED.

**Steamboat**  
ALTRERRA east west partners  
MOUNTAIN COMPANY

[SET PROJECT ADDRESS PARAMETER & ENERGY SETTINGS IF APPLICABLE]

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Seal / Signature



Project Name

Steamboat Base Village  
Redevelopment

Project Number

003.7835.000

Description

ELECTRICAL ONE-LINES

Scale

As indicated

# 1C-E0.001



[SET PROJECT ADDRESS PARAMETER & ENERGY SETTINGS IF APPLICABLE]

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△	Date	Description
-	2021.06.04	BP4C - KVC INTERIORS - ISSUE FOR PERMIT AND CONSTRUCTION

ELECTRICAL EQUIPMENT CONNECTION SCHEDULE												
<b>GENERAL NOTES:</b> 1. THIS SCHEDULE IS FOR ELECTRICAL EQUIPMENT CONNECTIONS ONLY. EQUIPMENT BY OTHERS. 2. PROVIDE A DEDICATED CIRCUIT WITH A DEDICATED NEAUTRAL FOR ALL EQUIPMENT UNLESS OTHERWISE NOTED. 3. CONFIRM ALL EQUIPMENT LOCATIONS AND ELEVATIONS PRIOR TO ROUGH-IN. 4. CONFIRM ALL EQUIPMENT FEEDER, DISCONNECT AND FUSING WITH SUBMITTED/PURCHASED EQUIPMENT PRIOR TO ROUGH-IN.						<b>REMARK NOTES:</b> A. PROVIDE GFCI CIRCUIT BREAKER. B. PROVIDE GFCI RECEPTACLE IF WITHIN 6' OF A SINK. C. COORDINATE EXACT RECEPTALCE TYPE WITH ARCHITECT, OWNER AND EQUIPMENT PRIOR TO ROUGH-IN.						
EQ #	EQUIPMENT DESCRIPTION	HP	LOAD (VA)	VOLTAGE	PHASE	FLA	DISCONNECT	FUSE	FEEDER	CONDUIT	REMARKS	
1	DRINKING FOUNTAIN	-	600	120 V	1	5 A	-	-	2 #12 & #12 GND	3/4"	A	
2	GARBAGE DISPOSAL	-	1200	120 V	1	10 A	-	-	2 #12 & #12 GND	3/4"	A	
3	RESIDENTIAL WASHING MACHINE	-	1320	120 V	1	11 A	-	-	2 #12 & #12 GND	3/4"	A	
4	RESIDENTIAL DRYER	-	4784	208 V	1	23 A	-	-	3 #10 & #10 GND	3/4"	C	
5	REFRIGERATOR	-	720	120 V	1	6 A	-	-	2 #12 & #12 GND	3/4"	A	
6	COFFEE MAKER	-	1920	120 V	1	16 A	-	-	2 #12 & #12 GND	3/4"	B	
7	MICROWAVE	-	840	120 V	1	7 A	-	-	2 #12 & #12 GND	3/4"	B	
8	UC REFRIGERATOR	-	480	120 V	1	4 A	-	-	2 #12 & #12 GND	3/4"	A	
9	BOOT DRYER (DOUBLE CONNECTION)	-	480	120 V	1	4 A	-	-	2 #12 & #12 GND	3/4"	A	
9A	BOOT DRYER (WALL CONNECTION)	-	240	120 V	1	2 A	-	-	2 #12 & #12 GND	3/4"	A	
10	ICEWATER DISPENSER	-	1920	120 V	1	16 A	-	-	2 #12 & #12 GND	3/4"	B	
11	RESIDENTIAL DISHWASHER	-	1920	120 V	1	16 A	-	-	2 #12 & #12 GND	3/4"	A	
12	BOTTLE WARMER	-	1200	120 V	1	10 A	-	-	2 #12 & #12 GND	3/4"		

LED													
Type	Lamp	Description	Finish	Voltage	Mounting	Manufacturer	Catalog Number	Alternate 1	Alternate 2	Control	Location	Comments	
L1	21W LED, 3000 LUMENS PER 4 FEET OF FIXTURE, 3500K, 80+ CRI, 50,000+ HOURS	LED STRIPLIGHT WITH DIFFUSE LENS, PROVIDE SURFACE OR PENDANT MOUNT SUPPORTS PER MOUNTING HEIGHT	WHITE		PENDANT TO 10 FT. AFF		CLXKL45-3000LM-SEF-RDL	DAYBRITE F55 LED SERIES	APPROVED ALTERNATE	ON/OFF	MEP STORAGE, JANITOR	PROVIDE ADDITIONAL QUANTITY OF COMPLETE LIGHT FIXTURE, WITH A QTY OF 0.25% OF TOTAL QTY AND A MIN. QTY OF 2 FIXTURES.	
L3	23 WATT LED, 3107 LUMENS, 80 CRI, 3500K, 50000+ HOURS	RECESSED 2X4 TROFFER LIGHT FOR LAY-IN CEILINGS. FIXTURE SHALL HAVE CENTRAL LENSING OPTICS FOR LIGHT DISTRIBUTION. CONTRACTOR TO VERIFY THE APPROVED CEILING TYPE IS COMPATIBLE WITH TRIM OPTION.	WHITE	MVOLT	RECESSED	LITHONIA	2BLT4-30LHE-ADP-MVOLT-G210-LP835	APPROVED ALTERNATE	APPROVED ALTERNATE	0-10V DIMMING	OFFICES	PROVIDE ADDITIONAL QUANTITY OF COMPLETE LIGHT FIXTURE, WITH A QTY OF 0.25% OF TOTAL QTY AND A MIN. QTY OF 2 FIXTURES.	
L3A	15 WATT LED, 1048 LUMENS, 80 CRI, 3500K, 50000+ HOURS	SAME AS L3 EXCEPT RECESSED 2X2.	WHITE	MVOLT	RECESSED	LITHONIA	2BLT2-20LHE-ADP-MVOLT-G210-LP835	APPROVED ALTERNATE	APPROVED ALTERNATE	0-10V DIMMING	OFFICES	PROVIDE ADDITIONAL QUANTITY OF COMPLETE LIGHT FIXTURE, WITH A QTY OF 0.25% OF TOTAL QTY AND A MIN. QTY OF 2 FIXTURES.	
L3B	32W LED, 4060 LUMENS, 3500K, 80+ CRI, 50000 HOURS	RECESSED 2X4 UV STABILIZED ACRYLIC DIFFUSER, MINIMUM THICKNESS OF 0.150". FLUSH ALUMINIUM DOOR, INTEGRAL DRIVER, *CONTRACTOR TO VERIFY APPROVED CEILING TYPE COMPATIBLE WITH TRIM.	WHITE	MVOLT	RECESSED	LITHONIA	2TL4-40L-FW-A19-G210-LP835-*	APPROVED ALTERNATE	APPROVED ALTERNATE	0-10V DIMMING	KITCHEN	PROVIDE ADDITIONAL QUANTITY OF COMPLETE LIGHT FIXTURE, WITH A QTY OF 0.25% OF TOTAL QTY AND A MIN. QTY OF 2 FIXTURES.	
L3C	29W LED, 3300 LUMENS, 3500K, 80+ CRI, 50000 HOURS	SAME AS L3B EXCEPT RECESSED 2X2.	WHITE	MVOLT	RECESSED	LITHONIA	2TL4-33L-FW-A19-G210-LP835-*	APPROVED ALTERNATE	APPROVED ALTERNATE	0-10V DIMMING	KITCHEN	PROVIDE ADDITIONAL QUANTITY OF COMPLETE LIGHT FIXTURE, WITH A QTY OF 0.25% OF TOTAL QTY AND A MIN. QTY OF 2 FIXTURES.	
L4	20W LED, 2000 LUMEN, 3500K, 80+ CRI, 50000+ HOURS	6" DIAMETER RECESSED FIXED DOWNLIGHT, MEDIUM WIDE BEAM DISTRIBUTION, MATTE-DIFFUSE REFLECTOR, NEW CONSTRUCTION HOUSING, INTEGRAL DRIVER.	CLEAR	MVOLT	RECESSED	GOTHAM	EV06-3520-AR-MWD-LD-MVOLT-G210	APPROVED ALTERNATE	APPROVED ALTERNATE	0-10V DIMMING	CORRIDORS	PROVIDE ADDITIONAL QUANTITY OF COMPLETE LIGHT FIXTURE, WITH A QTY OF 0.25% OF TOTAL QTY AND A MIN. QTY OF 2 FIXTURES.	
L4B	20W LED, 2000 LUMEN, 3500K, 80+ CRI, 50000+ HOURS	SIMILAR TO TYPE L4, EXCEPT WET LISTED AND GASKETED WITH REGRESSED LENS.	WHITE, TO BE CONFIRMED WITH ARCHITECT	MVOLT	RECESSED	GOTHAM	EV06SH-3520-DFR-SQL-MVOLT-G210	APPROVED ALTERNATE	APPROVED ALTERNATE	0-10V DIMMING	SHOWERS	PROVIDE ADDITIONAL QUANTITY OF COMPLETE LIGHT FIXTURE, WITH A QTY OF 0.25% OF TOTAL QTY AND A MIN. QTY OF 2 FIXTURES.	
L5	20W, 2000 LUMENS, 3500K, 85 CRI, 50,000 HOURS	4" DIAMETER CYLINDRICAL PENDANT LUMINAIRE, 9" TALL, NEW CONSTRUCTION HOUSING, INTEGRAL DRIVER.	WHITE (VERIFY WITH ARCHITECT)	MVOLT	SURFACE	GOTHAM	EV04CC-3520-AR-LD-MVOLT-G210	COOPER PORTFOLIO SERIES	SIGNIFY CALCULITE SERIES	0-10V DIMMING	CONFERENCE, CORRIDORS		
L6	6W/FT LED, 840 LUMENS PER FOOT, 3500K, 80+ CRI, 50,000+ HOURS	RECTANGULAR LINEAR SUSPENDED LED LUMINAIRE WITH DIFFUSE LENS AND DIRECT ONLY OPTICS. PROVIDE SURFACE OR PENDANT MOUNT SUPPORTS PER MOUNTING HEIGHT. LENGTH PER PLAN TO BE FIELD VERIFIED.	WHITE (VERIFY WITH ARCHITECT)	MVOLT	SUSPENDED	PRUDENTIAL	BPR04-LIN-FLSH-LED35-MO-8-TMW-AWL-NL-SQ-UNL-1-DM01	MARK ARCHITECTURAL LIGHTING	FOCAL POINT	0-10V DIMMING	STAIRS/LOCKERS		
L7	11 W/FT LED, 964 UP / 510 DOWN LUMENS/FT, 3500K, 80+ CRI	LINEAR DIRECT/INDIRECT SUSPENDED FIXTURE WITH HOLLOW CENTER AND HIDDEN LED SOURCE. 60% UP/40% DOWN BEAM DISTRIBUTION. LENGTH PER PLAN SEAMLESS TRANSITIONS.	WHITE	MVOLT	SUSPENDED	PEERLESS	OPM4-LCB-(PER PLAN)-80CRI-30K-(840LMF-510LMF-DARK 120-277 DCT 24F DM1	APPROVED ALTERNATE	APPROVED ALTERNATE	0-10V DUAL CIRCUIT DIMMING	OPEN OFFICE	VERIFY SUSPENSION FROM CEILING ACCORDING TO CEILING HEIGHTS	
L8	4W/FT, 200+ LUMENS/FT, 3500K, 80+CRI, 50000+ HOURS	THIN LOW PROFILE UNDERCOUNTER LED WITH FROSTED LENS AND EXTRUDED ALUMINIUM MOUNTING CHANNEL. LENGTH PER PLAN	STANDARD SILVER	MVOLT	SURFACE FIXED ANGLE	KELVIX	502-I-(PER PLAN)-DL-35K-WH-PI-SV-A-LV	APPROVED ALTERNATE	APPROVED ALTERNATE	ON/OFF	UNDER COUNTER BREAK ROOMS	VERIFY NO DOTTING FROM DIODES	
L10	6W/FT, 600 LUMENS/FT, 3500K, 80CRI, 50000+ HOURS	4" WIDE LINEAR LED (LENGTH PER PLAN), FLUSH PERIMETER MOUNT, 5" WIDE X 8 3/4" DEEP OVERALL FIXTURE DIMENSIONS	STANDARD WHITE	MVOLT	RECESSED	PRUDENTIAL	P43-REG-L-LED35-MO-(PER PLAN)-TMW-AWL-D18-WTW-SC-UNV-DM01 D514	AXIS LIGHTING BEAM 4	LUMENWERX VIA PERIMETER	0-10V DIMMING	ABOVE COUNTER		
L12	150W MAX, 3500K, SCREW IN LED	14 INCH DIAMETER REFLECTOR WITH WOODEN TOP AND METALLIC SUSPENSION SYSTEM. PROVIDE LED SCREW BASE TYPE REPLACEMENT BULB PHILIPS 046877556891 (OR APPROVED EQUAL) IN LIEU OF INCANDESCENT.	BLACK (ARCH TO CONFIRM)	120	PENDANT	BASELITE		APPROVED ALTERNATE	APPROVED ALTERNATE	ELV DIMMING	BREAK ROOM	PROVIDE SAMPLE OF THIS FIXTURE FOR REVIEW PRIOR TO APPROVAL.	
L15	1350 LUMENS (407) / 2650 LUMENS(647), 21W (407) / 35W (647)	LINEAR SUSPENDED LUMINAIRE WITH WOOD FINISH REFLECTOR AND FROSTED SCRYLIC LENSING	WALNUT	MVOLT	SUSPENDED	CERNO	07-185-4084-B-O-W-35-P1P2	APPROVED ALTERNATE	APPROVED ALTERNATE	0-10V DIMMING	CONFERENCE ROOMS	LENGTH AND VOLTAGE PER PLAN.	
L18	A19 SCREW IN LED MEDIUM BASE E26 SOCKET	EXPOSED A19 SCREW IN LED MEDIUM BASE E26 SOCKET WITH 5" DIAMETER STEEL PAINTED BACKPLATE	PER ARCHITECT	120	WALL	DUTTON BROWN	60125	APPROVED ALTERNATE	APPROVED ALTERNATE	ELV DIMMING	RESTROOM		

EMERGENCY													
Type	Lamp	Description	Finish	Voltage	Mounting	Manufacturer	Catalog Number	Alternate 1	Alternate 2	Control	Location	Comments	
X1	5W LED GREEN/RED	EDGE LIT EXIT SIGN, PROVIDE WHITE OR MIRROR BACKING BETWEEN PANELS - TBD, MOUNTING AND ARROWS, SINGLE OR DOUBLE FACE, WITH UNIVERSAL MOUNTING FOR ALL CONDITIONS PER PLAN DRAWINGS	BRUSHED ALUMINIUM	MVOLT	UNIVERSAL	LITHONIA	EDGR SERIES	APPROVED ALTERNATE	APPROVED ALTERNATE		PREMIUM AREAS	PROVIDE 60 MINUTE BATTERY BACKUP UPON NORMAL POWER LOSS. VERIFY LETTER & BACKGROUND COLOR WITH LOCAL AHJ	

Seal / Signature



Project Name  
Steamboat Base Village Redevelopment  
Project Number  
003.7835.000  
Description  
ELECTRICAL CONNECTION AND LIGHT FIXTURE SCHEDULES

Scale  
1/8" = 1'-0"

1C-E0.004



Date	Description
2021.06.04	BPAC - KVC INTERIORS - ISSUE FOR PERMIT AND CONSTRUCTION

Seal / Signature



Project Name

Steamboat Base Village  
Redevelopment

Project Number

003.7835.000

Description

ELECTRICAL PLAN - LEVEL 01

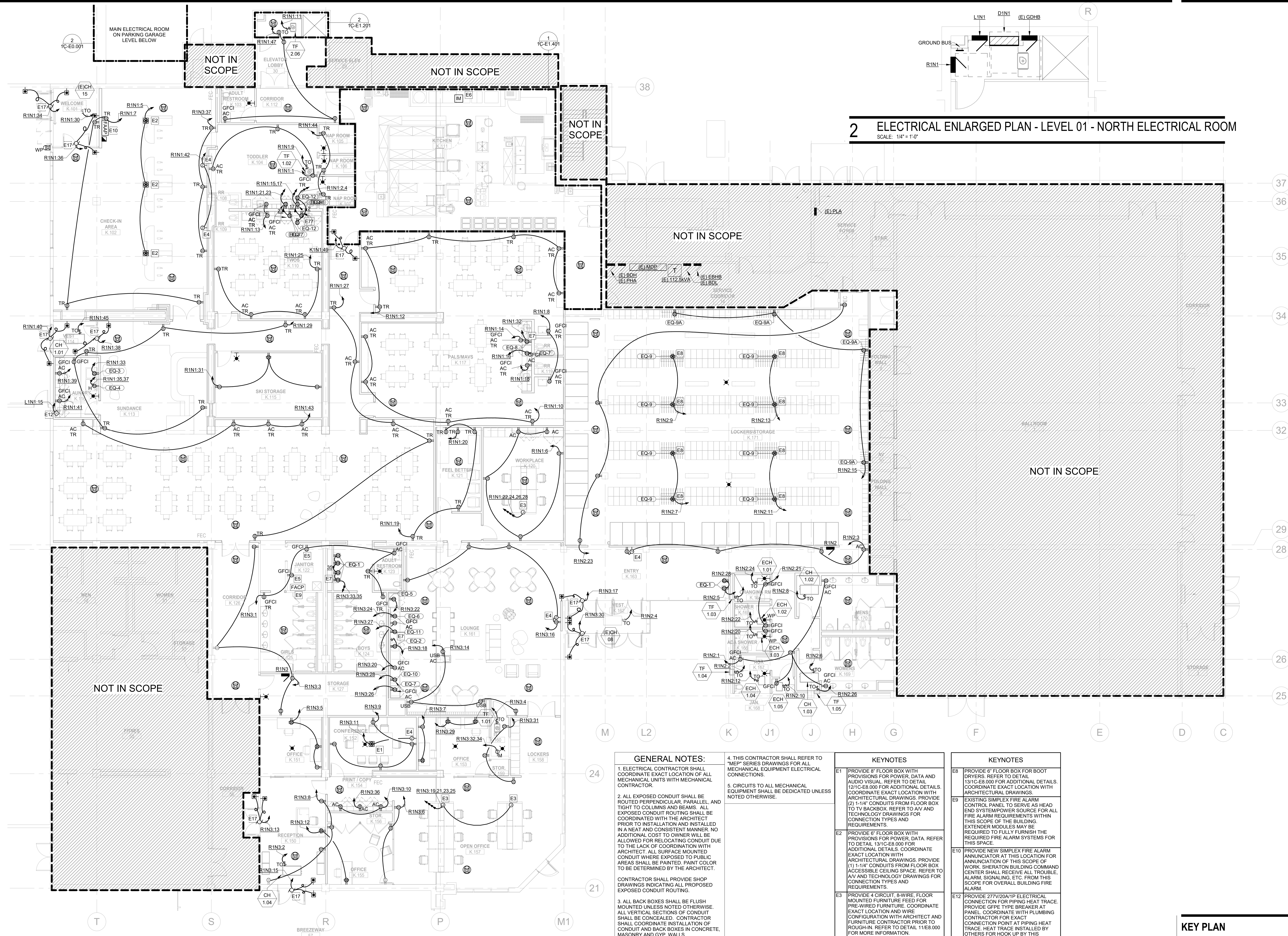
Scale

As indicated

1C-E1.201

2 ELECTRICAL ENLARGED PLAN - LEVEL 01 - NORTH ELECTRICAL ROOM

SCALE: 1/4" = 1'-0"



GENERAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR.
2. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION AND INSTALLED IN A NEAT AND CONSISTENT MANNER. NO ADDITIONAL COST TO OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO THE LACK OF COORDINATION WITH ARCHITECT. ALL SURFACE MOUNTED CONDUIT WHERE EXPOSED TO PUBLIC AREAS SHALL BE PAINTED. PAINT COLOR TO BE DETERMINED BY THE ARCHITECT.
3. ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS NOTED OTHERWISE. ALL VERTICAL SECTIONS OF CONDUIT SHALL BE CONCEALED. CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND BACK BOXES IN CONCRETE, MASONRY AND GYP. WALLS.

CONTRACTOR SHALL PROVIDE SHOP DRAWINGS INDICATING ALL PROPOSED EXPOSED CONDUIT ROUTING.

4. THIS CONTRACTOR SHALL REFER TO "MEP" SERIES DRAWINGS FOR ALL MECHANICAL EQUIPMENT ELECTRICAL CONNECTIONS.
5. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.

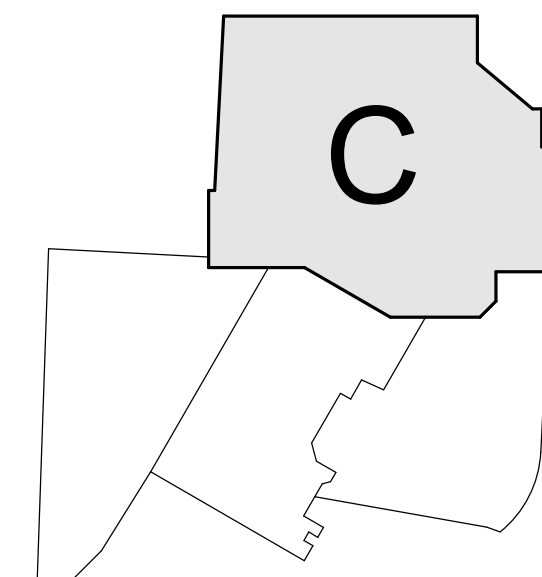
KEYNOTES

- E1 PROVIDE 8" FLOOR BOX WITH PROVISIONS FOR POWER, DATA AND AUDIO VISUAL. REFER TO DETAIL 131C-E8.000 FOR ADDITIONAL DETAILS. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS. PROVIDE (2) 1-1/4" CONDUITS FROM FLOOR BOX TO TV BACKBOX. REFER TO AV AND TECHNOLOGY DRAWINGS FOR CONNECTION TYPES AND REQUIREMENTS.
- E2 PROVIDE 6" FLOOR BOX WITH PROVISIONS FOR POWER, DATA. REFER TO DETAIL 131C-E8.000 FOR ADDITIONAL DETAILS. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS. PROVIDE (1) 1-1/4" CONDUITS FROM FLOOR BOX ACCESSIBLE CEILING SPACE. REFER TO AV AND TECHNOLOGY DRAWINGS FOR CONNECTION TYPES AND REQUIREMENTS.
- E3 PROVIDE 4 CIRCUIT, 8-WIRE, FLOOR MOUNTED FURNITURE FEED FOR PRE-WIRED FURNITURE. COORDINATE EXACT LOCATION AND WIRE CONFIGURATION WITH ARCHITECT AND FURNITURE CONTRACTOR PRIOR TO ROUGH-IN. REFER TO DETAIL 11E8.000 FOR MORE INFORMATION.
- E4 PROVIDE DUPLEX RECEPTACLE LOCATED WITHIN TV BACKBOX. COORDINATE EXACT REQUIREMENTS WITH TECHNOLOGY AND AV DRAWINGS AND INSTALLER.
- E5 REPLACE EXISTING DEVICE WITH NEW GFCI RECEPTACLE. UTILIZE EXISTING CIRCUITING.
- E6 PROVIDE FIRE ALARM INPUT MODULE FOR INTERFACE WITH KITCHEN HOOD AND ASSOCIATED ANSUL FIRE PROTECTION SYSTEM.
- E7 PROVIDE GFCI TYPE BREAKER AT PANEL.

KEYNOTES

- E8 PROVIDE 6" FLOOR BOX FOR BOOT DRYERS. REFER TO DETAIL 131C-E8.000 FOR ADDITIONAL DETAILS. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS.
- E9 EXISTING SIMPLEX FIRE ALARM ANNUNCIATOR AT THIS LOCATION FOR ALL FIRE ALARM REQUIREMENTS WITHIN THIS SCOPE OF THE BUILDING. EXTENDER MODULES MAY BE REQUIRED TO FULLY FURNISH THE REQUIRED FIRE ALARM SYSTEMS FOR THIS SPACE.
- E10 PROVIDE NEW SIMPLEX FIRE ALARM ANNUNCIATOR AT THIS LOCATION FOR ANNUNCIATION OF THIS SCOPE OF WORK. SHERATON BUILDING COMMAND CENTER SHALL RECEIVE ALL TROUBLE, ALARM, SIGNALING, ETC. FROM THIS SCOPE FOR OVERALL BUILDING FIRE ALARM.
- E12 PROVIDE 277V/20A/1P ELECTRICAL CONNECTION FOR PIPING HEAT TRACE. PROVIDE GFCI TYPE BREAKER AT PANEL. COORDINATE WITH PLUMBING CONTRACTOR FOR EXACT CONNECTION POINT AT PIPING HEAT TRACE. HEAT TRACE INSTALLED BY OTHERS FOR HOOK UP BY THIS CONTRACTOR.
- E17 PROVIDE 120V/1P ELECTRICAL CONNECTION FOR ADA DOOR OPERATOR. PROVIDE ALL ASSOCIATED WIRING BETWEEN OPERATOR AND ACTUATORS. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT ACTUATOR LOCATION PER ADA REQUIREMENTS.

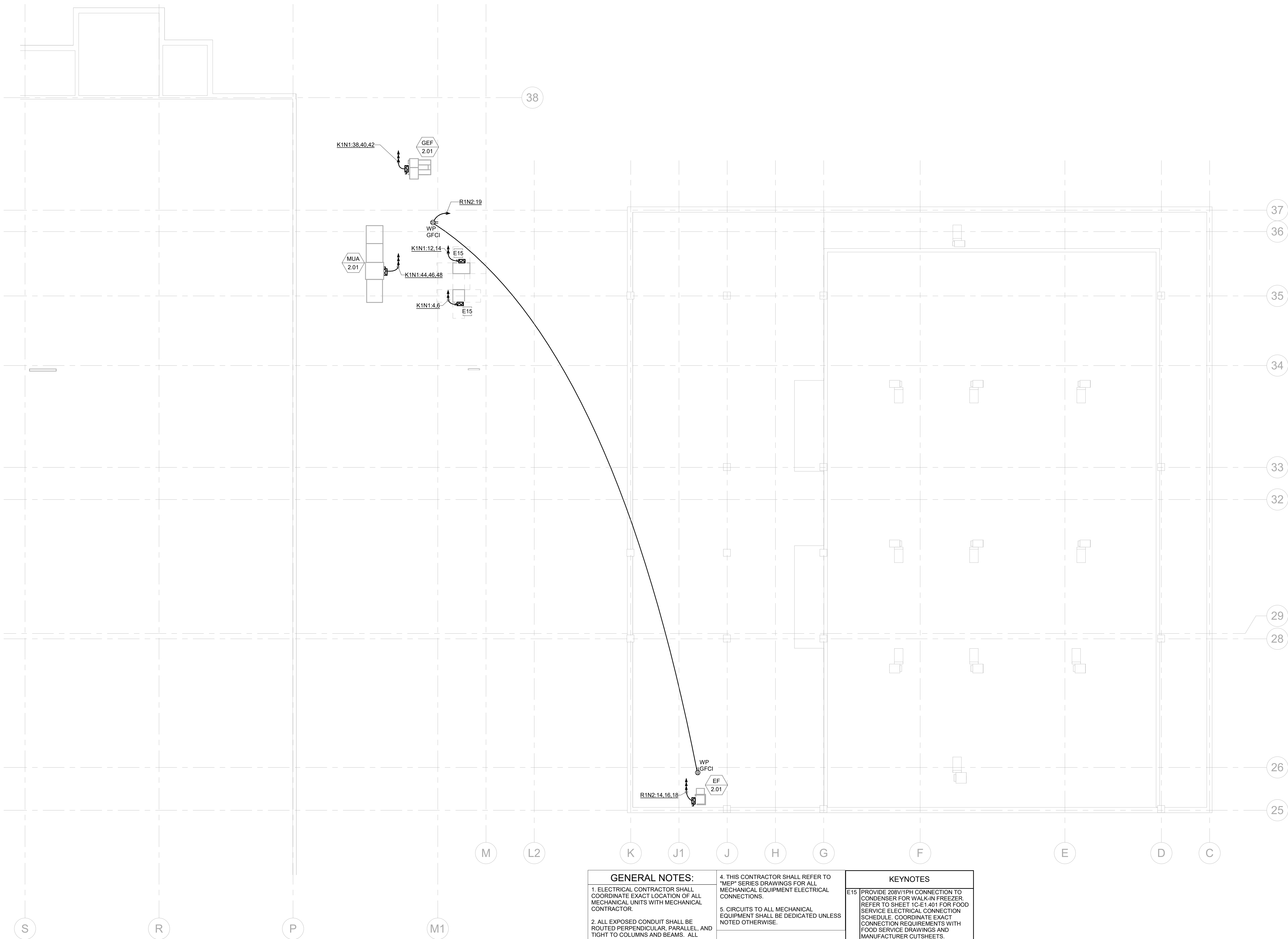
KEY PLAN



1 ELECTRICAL PLAN - LEVEL 01

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





**GENERAL NOTES:**

1. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR.

2. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION AND INSTALLED IN A NEAT AND CONSISTENT MANNER. NO ADDITIONAL COST TO OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO THE LACK OF COORDINATION WITH ARCHITECT. ALL SURFACE MOUNTED CONDUIT WHERE EXPOSED TO PUBLIC AREAS SHALL BE PAINTED. PAINT COLOR TO BE DETERMINED BY THE ARCHITECT.

CONTRACTOR SHALL PROVIDE SHOP DRAWINGS INDICATING ALL PROPOSED EXPOSED CONDUIT ROUTING.

3. ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS NOTED OTHERWISE. ALL VERTICAL SECTIONS OF CONDUIT SHALL BE CONCEALED. CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND BACK BOXES IN CONCRETE, MASONRY AND GYP. WALLS.

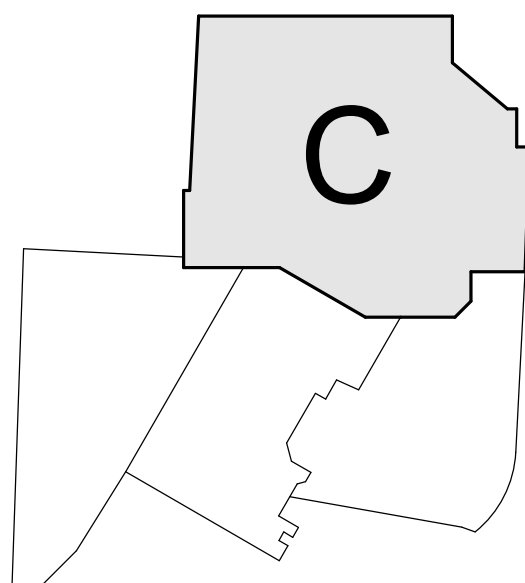
4. THIS CONTRACTOR SHALL REFER TO "MEP" SERIES DRAWINGS FOR ALL MECHANICAL EQUIPMENT ELECTRICAL CONNECTIONS.

5. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.

**KEYNOTES**

ET5: PROVIDE 208V/1PH CONNECTION TO CONDENSER FOR WALK-IN FREEZER. REFER TO SHEET 1C-E1.401 FOR FOOD SERVICE ELECTRICAL CONNECTION SCHEDULE. COORDINATE EXACT CONNECTION REQUIREMENTS WITH FOOD SERVICE DRAWINGS AND MANUFACTURER CUTSHEETS.

KEY PLAN



△ Date	Description
- 2021.06.04	BP4C - KVC INTERIORS - ISSUE FOR PERMIT AND CONSTRUCTION

Seal / Signature



Project Name

Steamboat Base Village  
Redevelopment

Project Number

003.7835.000

Description

ELECTRICAL PLAN - LEVEL 02

Scale

1/8" = 1'-0"

1C-E1.202

Date	Description
2021.06.04	BP4C - KVC INTERIORS - ISSUE FOR PERMIT AND CONSTRUCTION

Seal / Signature



Project Name

Steamboat Base Village  
Redevelopment

Project Number

003.7835.000

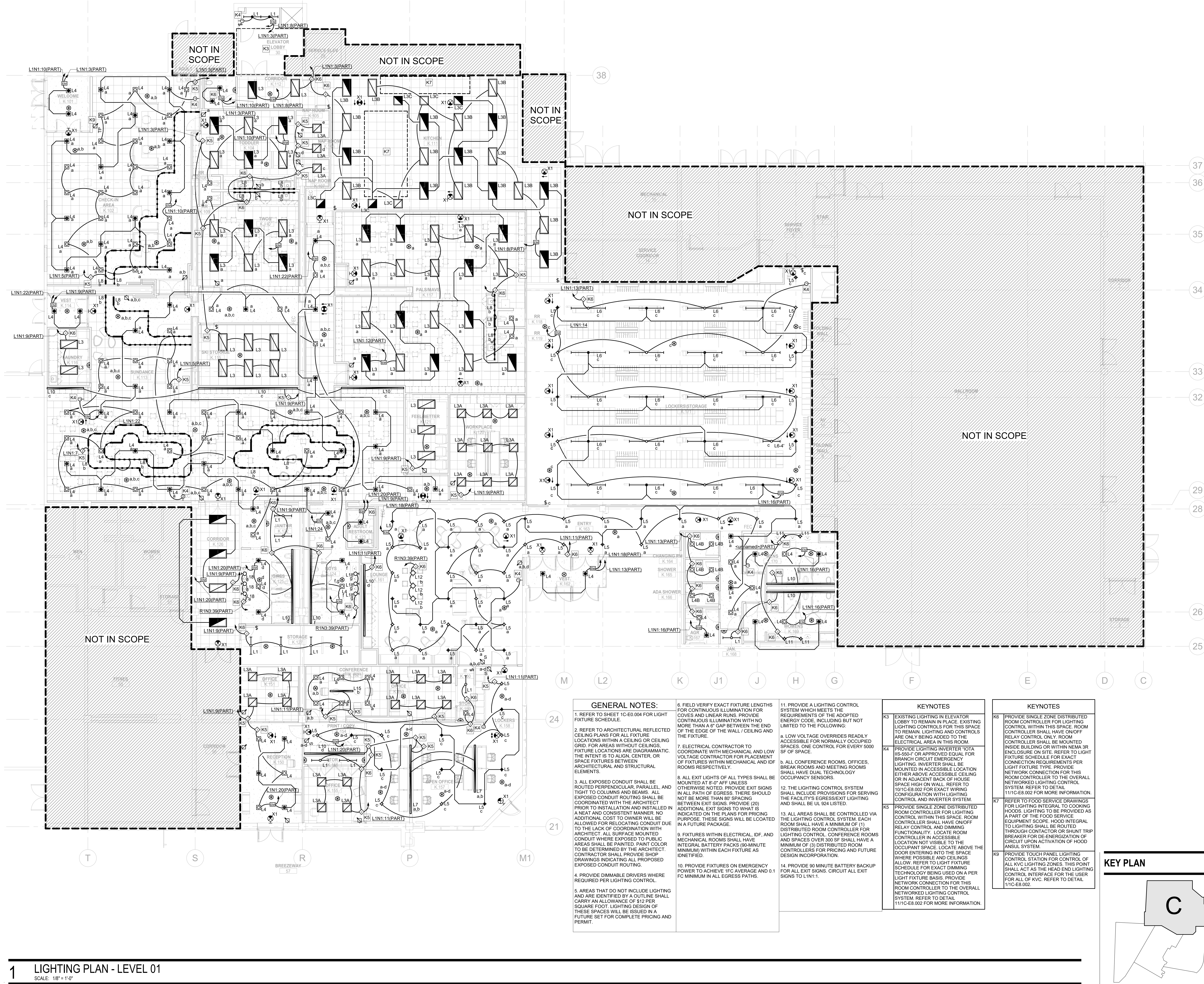
Description

LIGHTING PLAN - LEVEL 01

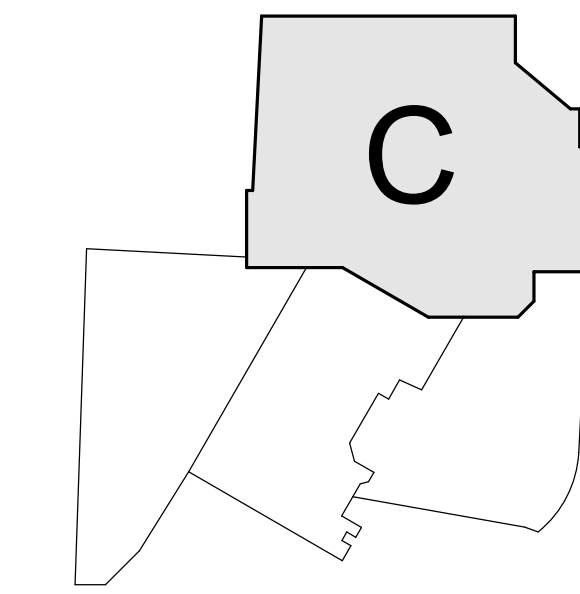
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1/8" = 1'-0"

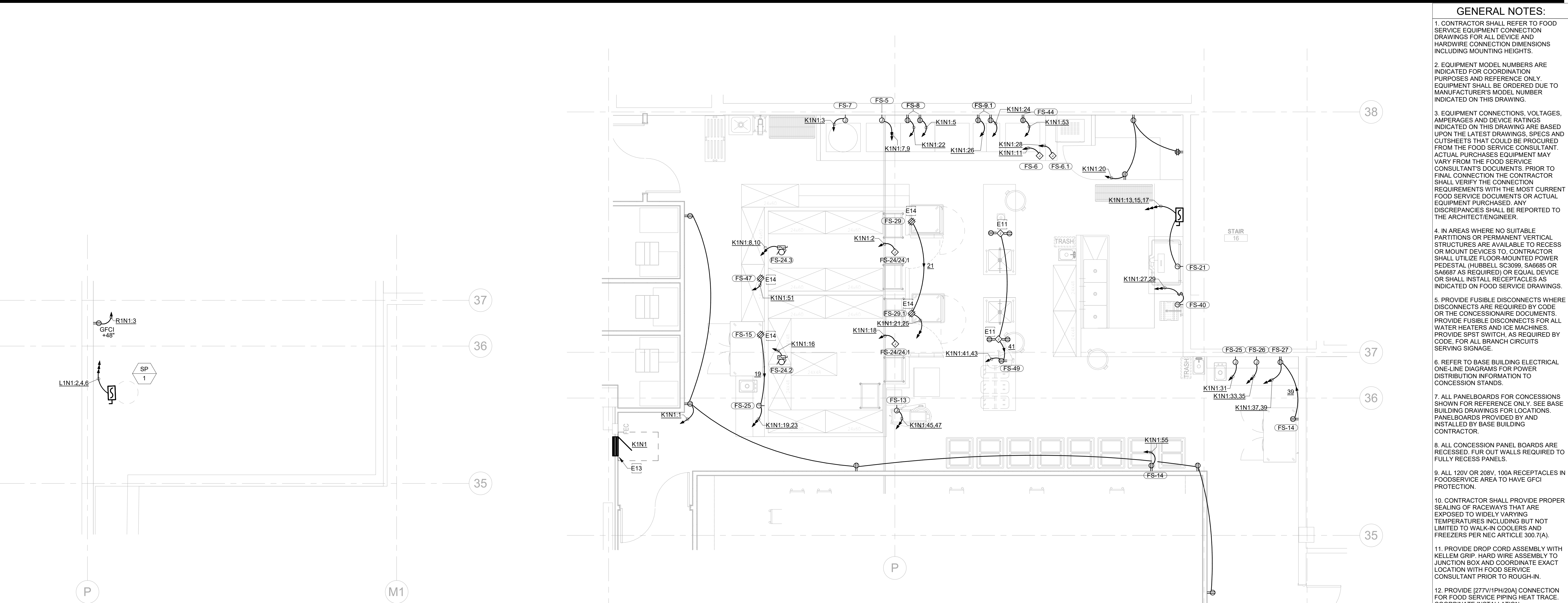
**1C-E1.301**



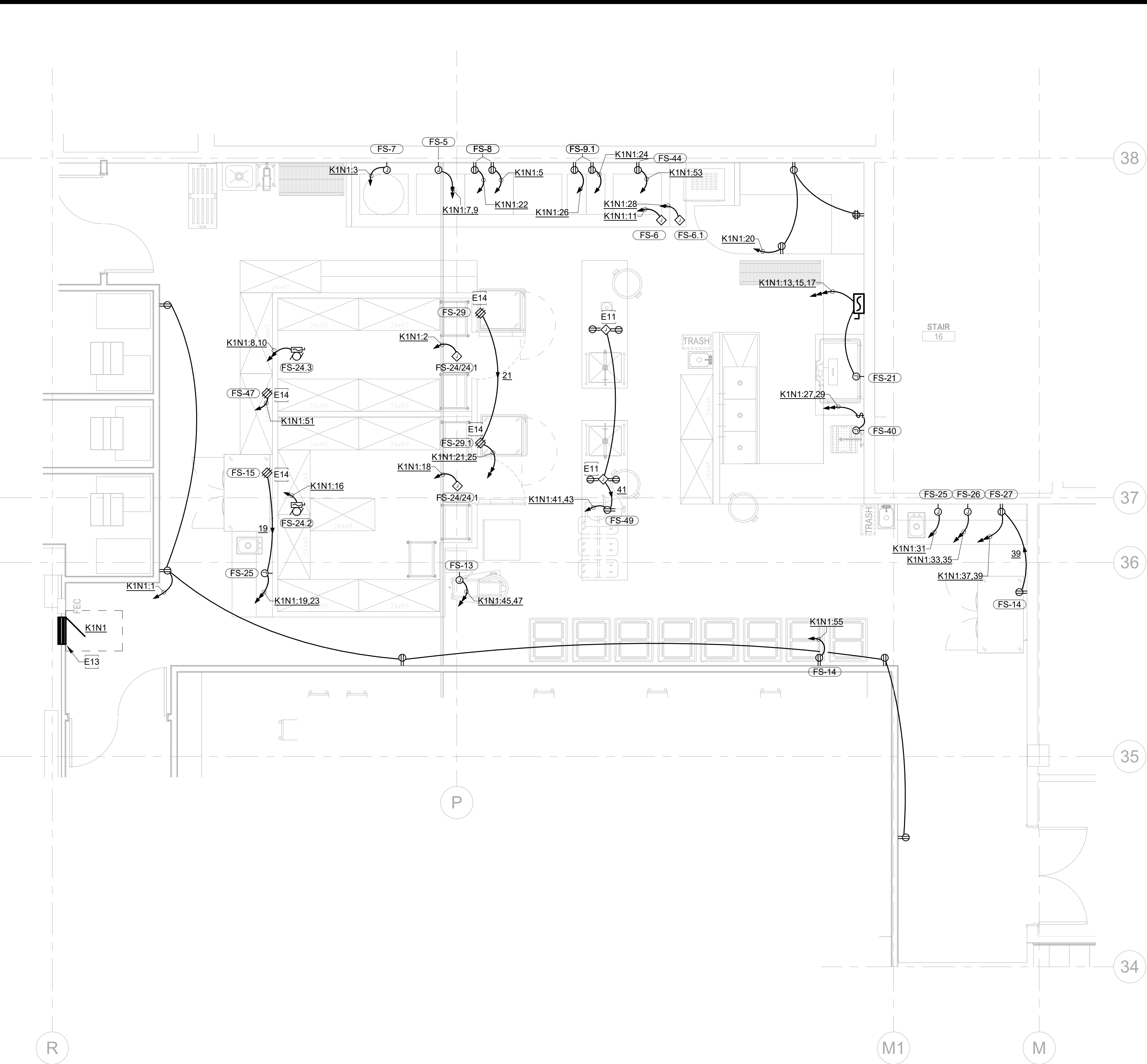
**KEY PLAN**







2 LOWER GARAGE MECHANICAL ROOM ELECTRICAL ENLARGED PLAN  
SCALE: 1/4" = 1'-0"



1 ELECTRICAL ENLARGED PLAN - LEVEL 01 - KITCHEN  
SCALE: 1/4" = 1'-0"

STEAMBOAT RESORT - KIDS VACATION CLUB (KVC) KITCHEN												
ITEM NO.	DESCRIPTION	VOLTS	W /S /L	AMPS	HP	KW	DIRE	NEMA	FUSE	DISC	FEEDER	COMMENTS
5	COMBI OVEN, GAS	208	1	4.3		0.9	X	-	-	-	(3#12, 1#12G) 3/4"C	LOCKABLE CB
6	EXHAUST HOOD	120	1	16.0			X	-	-	-	(2#12, 1#12G) 3/4"C	
6.1	FIRE SUPPRESSION SYSTEM	120	1	16.0			X	-	-	-	(2#12, 1#12G) 3/4"C	
7	KETTLE, GAS, TILTING	120	1	1.0			X	-	-	-	(2#12, 1#12G) 3/4"C	LOCKABLE CB
8	CONVECTION OVEN, GAS	120	1	8.0	0.5		-	5-20R	-	-	(2#12, 1#12G) 3/4"C	LOCKABLE CB
9.1	FRYER	120	1	6.3			-	5-20R	-	-	(2#12, 1#12G) 3/4"C	
13	ICE MAKER, CUBE STYLE	208	1	12.5			X	-	20A FRN-R	30A/3P	(3#12, 1#12G) 3/4"C	
14	REACH-IN REFRIGERATOR	120	1	2.1			-	5-20R	-	C&P	(2#12, 1#12G) 3/4"C	
15	REACH-IN REFRIGERATOR	120	1	6.0			-	5-20R	-	C&P	(2#12, 1#12G) 3/4"C	
17	FOOD PROCESSING MACHINE	120	1	7.0			-	5-20R	-	C&P	(2#12, 1#12G) 3/4"C	
21	DISHWASHER, CONVEYOR TYPE	208	3	55.0	1		X	-	70A FRN-R	80A/3P	(4#4, 1#6G) 1-1/4"C	POWER FROM DROP CORD ABOVE.
24/24.1	WALK-IN COMBINATION...	120	1	16.0			X	-	-	-	(2#12, 1#12G) 3/4"C	LOCKABLE CB
24.2	COOLER EVAPORATOR COIL	120	1	3.2			X	-	-	-	(2#12, 1#12G) 3/4"C	LOCKABLE CB
24.3	FREEZER EVAPORATOR COIL	208	1	11.8			X	-	15A FRN-R	30A/3P	(3#12, 1#12G) 3/4"C	
	COOLER CONDENSING UNIT	208	1	16.0			X	-	20A FRN-R	30A/3P	(3#12, 1#12G) 3/4"C	EQUIPMENT LOCATED ON ROOF...
	FREEZER CONDENSING UNIT	208	1	26.0			X	-	45A FRN-R	60A/3P	(3#8, 1#10G) 3/4"C	EQUIPMENT LOCATED ON ROOF...
25	SODA & ICE BEVERAGE DISPENSER	120	1	3.5			X	-	-	-	(2#12, 1#12G) 3/4"C	LOCKABLE CB
26	COFFEE BREWER	208	1	16.0			X	-	-	-	(3#12, 1#12G) 3/4"C	LOCKABLE CB
27	BEVERAGE DISPENSER (HOT)	120	1	15.0			-	5-20R	-	C&P	(2#12, 1#12G) 3/4"C	
29	MOBILE HEATED CABINET	120	1	16.0			-	5-20R	-	C&P	(2#10, 1#10G) 3/4"C	
29.1	HEATED HOLDING PROOFING CABINET	120	1	16.0			-	5-20R	-	C&P	(2#10, 1#10G) 3/4"C	
40	DISPOSER	208	1	10.2			X	-	-	-	(3#12, 1#12G) 3/4"C	PROVIDE ON/OFF SWITCH
44	GRIDDLE	120	1	5.0			-	5-20R	-	C&P	(2#10, 1#10G) 3/4"C	
47	SODA CO2 DISPENSER	120	1	5.0			-	5-20R	-	C&P	(2#12, 1#12G) 3/4"C	
49	FOOD SLICER, ELECTRIC	120	1	3.0			-	5-20R	-	C&P	(2#12, 1#12G) 3/4"C	

- GENERAL NOTES**
- DIRECT CONNECTIONS REQUIRE EITHER A LOCKABLE CIRCUIT BREAKER OR A DISCONNECT WITHIN SIGHT OF EQUIPMENT.
  - THIS SCHEDULE IS FOR ELECTRICAL EQUIPMENT CONNECTIONS ONLY. EQUIPMENT BY OTHERS.
  - ALL CIRCUITS ARE DEDICATED UNLESS NOTED OTHERWISE.
  - ALL FEEDER SIZES SHOWN ON THIS SCHEDULE FOR COPPER FEEDERS ONLY.
  - PROVIDE 24-HOUR UNINTERRUPTED SERVICE FOR FIRE SYSTEM.
  - REFER TO HOOD MANUFACTURERS DRAWINGS, INCLUDED AS PART OF THE FOOD SERVICE DRAWINGS FOR SCHEMATICS INDICATING ADDITIONAL ELECTRICAL CONNECTIONS REQUIRED FOR HOOD CONTROLS.
  - AUTO SHUTOFF - POWER TO EQUIPMENT BELOW THE HOOD, INCLUDING LIGHTING, TO BE DISCONNECTED UPON ACTIVATION OF LOCAL GREASE COOKING FIRE SUPPRESSION SYSTEM. PROVIDE CONTACTORS / RELAYS / SHUNTAGES / MICRORELAYS, ETC. AS REQUIRED TO ACCOMMODATE SHUTDOWN SEQUENCE.
  - PROVIDE FIRE ALARM SYSTEM RELAY TO NOTIFY BUILDING FIRE ALARM SYSTEM WHEN LOCAL GREASE COOKING FIRE SUPPRESSION SYSTEM IS ACTIVATED.
  - PROVIDE 120V CONNECTION, ROUTED VIA SHUTOFF RELAY, FOR NATURAL GAS SOLENOID VALVE.
  - PROVIDE MANUAL ON FOR GREASE HOOD.
  - ALL RECEPTACLES SERVING FOOD SERVICE EQUIPMENT SHALL BE GFCI PROTECTED. PROVIDE GFCI BREAKERS FOR EQUIPMENT PER NEC 210.8(B).
  - ALL EQUIPMENT SHALL HAVE DEDICATED NEUTRALS.
  - ALL FOOD SERVICE EQUIPMENT UTILIZING CORD AND PLUG CONNECTIONS (INCLUDING COMPRESSORS AND ICE MAKERS) SHALL HAVE LESS THAN 5 MILLIAMP LEAKAGE TO GROUND TO ENSURE INTERFACE WITH GFCI PROTECTION REQUIRED BY CODE.

GENERAL NOTES:

- CONTRACTOR SHALL REFER TO FOOD SERVICE EQUIPMENT CONNECTION DRAWINGS FOR ALL DEVICE AND HARDWARE CONNECTION DIMENSIONS INCLUDING MOUNTING HEIGHTS.
- EQUIPMENT MODEL NUMBERS ARE INDICATED FOR COORDINATION PURPOSES AND REFERENCE ONLY. EQUIPMENT SHALL BE ORDERED DUE TO MANUFACTURERS MODEL NUMBER INDICATED ON THIS DRAWING.
- EQUIPMENT CONNECTIONS, VOLTAGES, AMPERAGES AND DEVICE RATINGS INDICATED ON THIS DRAWING ARE BASED UPON THE LATEST DRAWINGS, SPECS AND CUTSHEETS THAT COULD BE PROCURED FROM THE FOOD SERVICE CONSULTANT. ACTUAL PURCHASES EQUIPMENT MAY VARY FROM THE FOOD SERVICE CONSULTANT'S DOCUMENTS. PRIOR TO FINAL CONNECTION THE CONTRACTOR SHALL VERIFY THE CONNECTION REQUIREMENTS WITH THE MOST CURRENT FOOD SERVICE DOCUMENTS OR ACTUAL EQUIPMENT PURCHASED. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT/ENGINEER.
- IN AREAS WHERE NO SUITABLE PARTITIONS OR PERMANENT VERTICAL STRUCTURES ARE AVAILABLE TO RECESS OR MOUNT DEVICES TO, CONTRACTOR SHALL UTILIZE FLOOR-MOUNTED POWER PEDESTAL (HUBBELL SC3099, SA6685 OR SA6887 AS REQUIRED) OR EQUAL DEVICE OR SHALL INSTALL RECEPTACLES AS INDICATED ON FOOD SERVICE DRAWINGS.
- PROVIDE FUSIBLE DISCONNECTS WHERE DISCONNECTS ARE REQUIRED BY CODE OR THE CONCESSIONAIRE DOCUMENTS. PROVIDE FUSIBLE DISCONNECTS FOR ALL WATER HEATERS AND ICE MACHINES. PROVIDE SPST SWITCH, AS REQUIRED BY CODE, FOR ALL BRANCH CIRCUITS SERVING SIGNAGE.
- REFER TO BASE BUILDING ELECTRICAL ONE-LINE DIAGRAMS FOR POWER DISTRIBUTION INFORMATION TO CONCESSION STANDS.
- ALL PANELBOARDS FOR CONCESSIONS SHOWN FOR REFERENCE ONLY. SEE BASE BUILDING DRAWINGS FOR LOCATIONS. PANELBOARDS PROVIDED BY AND INSTALLED BY BASE BUILDING CONTRACTOR.
- ALL CONCESSION PANEL BOARDS ARE RECESSED. FUR OUT WALLS REQUIRED TO FULLY RECESS PANELS.
- ALL 120V OR 208V, 100A RECEPTACLES IN FOODSERVICE AREA TO HAVE GFCI PROTECTION.
- CONTRACTOR SHALL PROVIDE PROPER SEALING OF RACEWAYS THAT ARE EXPOSED TO WIDELY VARYING TEMPERATURES INCLUDING BUT NOT LIMITED TO WALK-IN COOLERS AND FREEZERS PER NEC ARTICLE 300.7(A).
- PROVIDE DROP CORD ASSEMBLY WITH KELLEM GRIP. HARD WIRE ASSEMBLY TO JUNCTION BOX AND COORDINATE EXACT LOCATION WITH FOOD SERVICE CONSULTANT PRIOR TO ROUGH-IN.
- PROVIDE [277V/1PH/20A] CONNECTION FOR FOOD SERVICE PIPING HEAT TRACE. COORDINATE INSTALLATION REQUIREMENTS AND EXACT LOCATION WITH EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
- PROVIDE A SHUNT TRIP CIRCUIT BREAKER TO SERVE KITCHEN EQUIPMENT LOCATED UNDER NON-GREASE TYPE VENTILATION HOODS.
- PROVIDE (3) 3/4" CONDUITS WITH PULL STRING STUBBED TO ACCESSIBLE CEILING SPACE FOR EACH RECESSED PANEL SECTION.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AUTOMATIC SHUTOFF TO ALL EQUIPMENT LOCATED UNDER COOKING HOOD BY UTILIZING MECHANICALLY HELD CONTACTOR OR SHUNT TRIP CIRCUIT BREAKER(S). REFER TO COOKING HOOD SHUNT DETAIL [X] ON SHEET [XXX][ENGINEER TO CONFIRM] FOR ADDITIONAL INFORMATION.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL INTERCONNECTIONS BETWEEN WALK-IN COOLER COMPONENTS. REFER TO FOOD SERVICE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- PROVIDE 120V/1PH/20A CONNECTION TO EXHAUST HOOD LIGHTS AND CONTROLS. COORDINATE EXACT LOCATION WITH SYSTEM INSTALLER PRIOR TO ROUGH-IN.

KEYNOTES

- E11 PROVIDE RETRACTABLE CORD REEL SUSPENDED FROM CEILING. REFER TO DETAIL 11C-E8.001 FOR MORE INFORMATION. RECEPTACLE TO BE GFCI PROTECTED AT CORD REEL.
- E13 PROVIDE (3) 2" CONDUITS IN WALL TO ABOVE ACCESSIBLE CEILING FOR FUTURE CONNECTIONS IN ADDITION TO ALL CONNECTIONS IDENTIFIED ON THE FOOD SERVICE DRAWINGS.
- E14 PROVIDE NON-RETRACTABLE CORD REEL SUSPENDED FROM CEILING. REFER TO DETAIL 51C-E8.001 FOR MORE INFORMATION. RECEPTACLE TO BE GFCI PROTECTED.



ALTERRA east west partners  
MOUNTAIN COMPANY

[SET PROJECT ADDRESS PARAMETER & ENERGY SETTINGS IF APPLICABLE]

Gensler

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Suite 300  
Golden, CO  
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MARTIN/MARTIN  
ARCHITECTS

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Lakewood, CO 80215  
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△	Date	Description
-	2021.06.04	BP4C - KVC INTERIORS - ISSUE FOR PERMIT AND CONSTRUCTION

Seal / Signature



Project Name

Steamboat Base Village  
Redevelopment

Project Number

003.7835.000

Description

ELECTRICAL ENLARGED PLANS

Scale

1/4" = 1'-0"

1C-E1.401

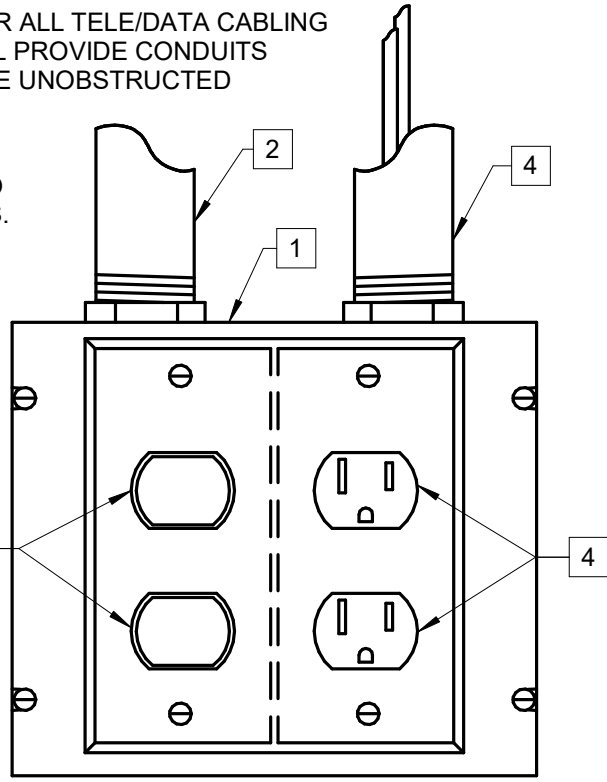
### GENERAL NOTES:

- CONTRACTOR SHALL PROVIDE DEDICATED J-HOOKS AT 48" ON CENTER FOR ALL TELE/DATA CABLING NOT RUN IN CONDUIT OR CABLE TRAY. ADDITIONALLY, CONTRACTOR SHALL PROVIDE CONDUITS THROUGH WALLS AND ACROSS INACCESSIBLE CEILING SPACES TO ENSURE UNOBSTRUCTED PATHWAY BACK TO NEAREST COMM ROOM OR CABLE TRAY.
- CONTRACTOR SHALL PROVIDE WEATHER PROOF COVER FOR ALL DEVICES WITH "WP" INDICATED AS PART OF SYMBOL ON PLAN DRAWINGS. REFER TO WEATHER PROOF DETAIL ON THIS SHEET FOR ADDITIONAL REQUIREMENTS.

### KEYNOTES:

- BACK-BOX:**  
PROVIDE SHARED 4"x4"x2-1/8" FLUSH MOUNTED BOX FOR POWER AND LOW VOLTAGE.
- CONDUIT:**  
PROVIDE (1) 1" CONDUIT ROUTED TO NEAREST COMMUNICATIONS ROOM OR CABLE TRAY.
- FACE PLATE:**  
PROVIDE QUAD-OUTLET STYLE FACEPLATE WITH BLANK 106-STYLE MODULE TO FILL LOW VOLTAGE SIDE.
- POWER:**  
POWER RECEPTACLES AND CONDUIT SHOWN FOR REFERENCE ONLY

SYMBOLS =  OR 



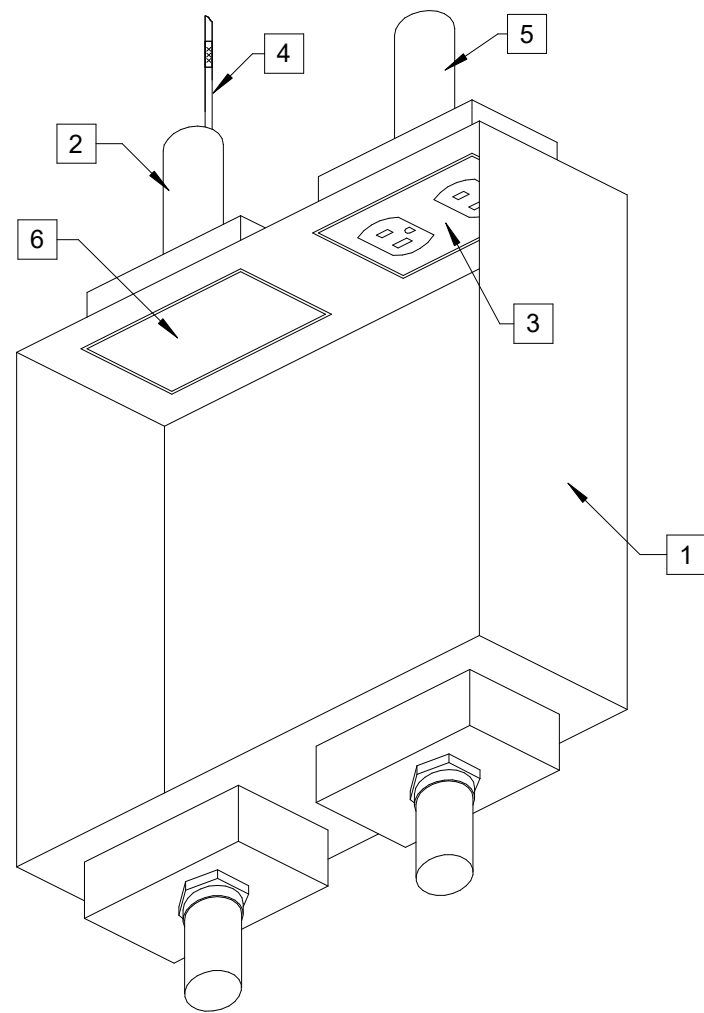
14 TV DEVICE BACK-BOX  
NO SCALE

### GENERAL NOTES:

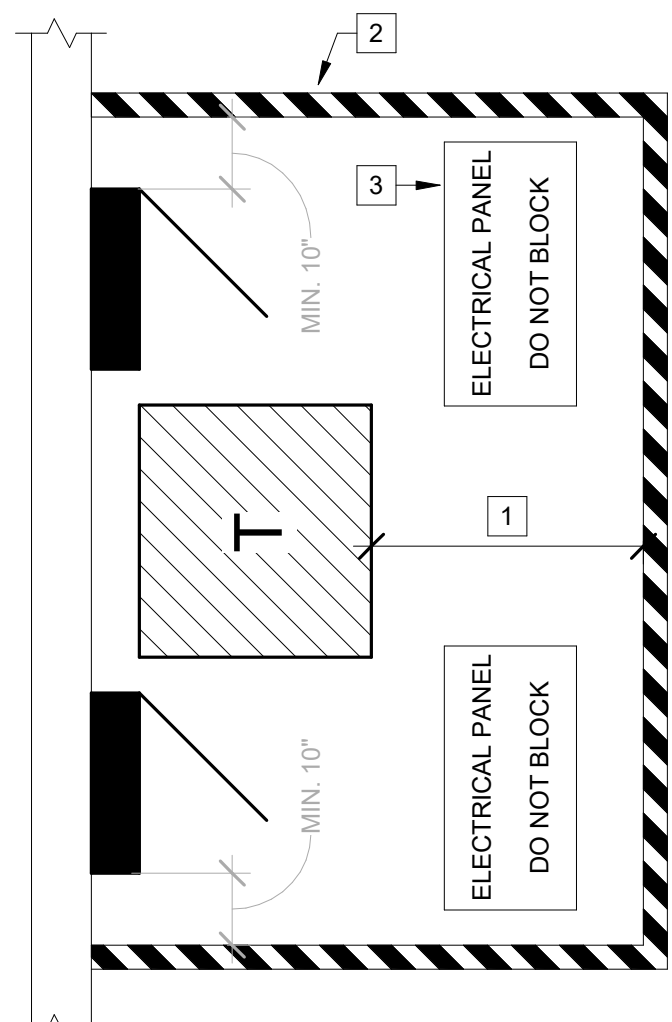
- REFER TO AV AND TECHNOLOGY DRAWINGS FOR ADDITIONAL REQUIREMENTS RELATIVE TO TV / VIDEO MONITOR INFRASTRUCTURE.
- REFER TO ARCHITECTURAL AND/OR AV DOCUMENTS FOR MOUNTING HEIGHTS AND/OR SPECIAL CONDITIONS.

### KEYNOTES:

- BACK-BOX:** PROVIDE LARGE FLAT PANEL BACK-BOX AT SELECT LOCATIONS AS INDICATED IN AV DOCUMENTS. PROVIDE STANDARD 4 X 4 BACK-BOX FOR ALL OTHER TV / VIDEO MONITOR LOCATIONS.
- TECH CONDUIT:** SHOWN FOR REFERENCE ONLY REFER TO TECHNOLOGY AND AV PLANS.
- POWER:** PROVIDE (1) 120V, 20A DUPLEX RECEPTACLE.
- DATA CABLE:** SHOWN FOR REFERENCE ONLY. REFER TO TECHNOLOGY AND AV PLANS.
- POWER CONDUIT:** PROVIDE MINIMUM 3/4" CONDUIT ROUTED TO PANEL THAT TV IS CIRCUITED TO.
- DATA DEVICE:** SHOWN FOR REFERENCE ONLY REFER TO TECHNOLOGY AND AV PLANS.



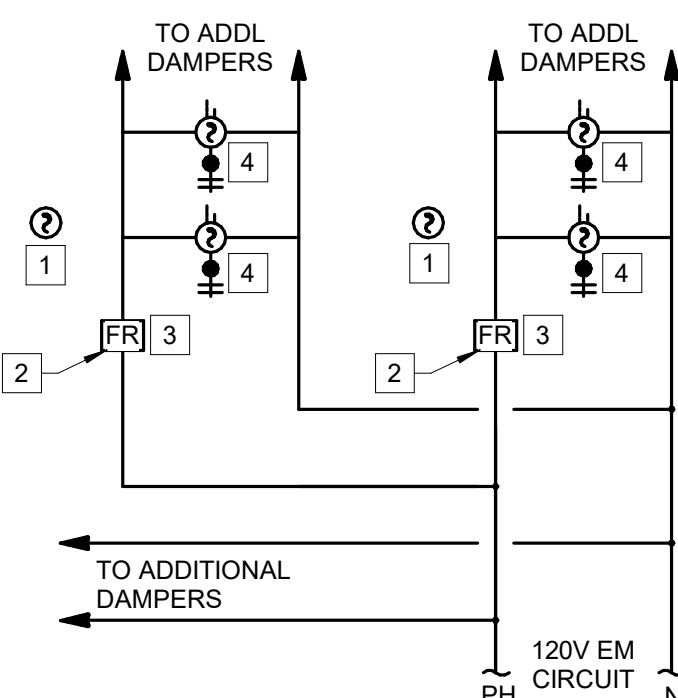
15 TV RECESSED BOX DETAIL  
NO SCALE



### KEYNOTES:

- REFER TO NEC TABLE 110.26(A)(1) AND OSHA TABLE S-1, FOR WORKING CLEARANCE DISTANCE REQUIREMENTS. MINIMUM 30" FROM DEADFRONT FACE OF ELECTRICAL EQUIPMENT.
- 3" STRIPED, BLACK AND YELLOW FLOOR MARKING HAZARD TAPE. 3M MODEL 5702 OR APPROVED EQUIVALENT.
- PERMANENT, WATER RESISTANT "ELECTRICAL PANEL DO NOT BLOCK" VINYL FLOOR LABEL WITH NFPA 770 PANEL SYMBOL. QUANTITY AND SPACING TO BE DETERMINED BY EOR.

16 ELECTRICAL EQUIPMENT CLEARANCE MARKINGS  
NO SCALE



### SEQUENCE OF OPERATION:

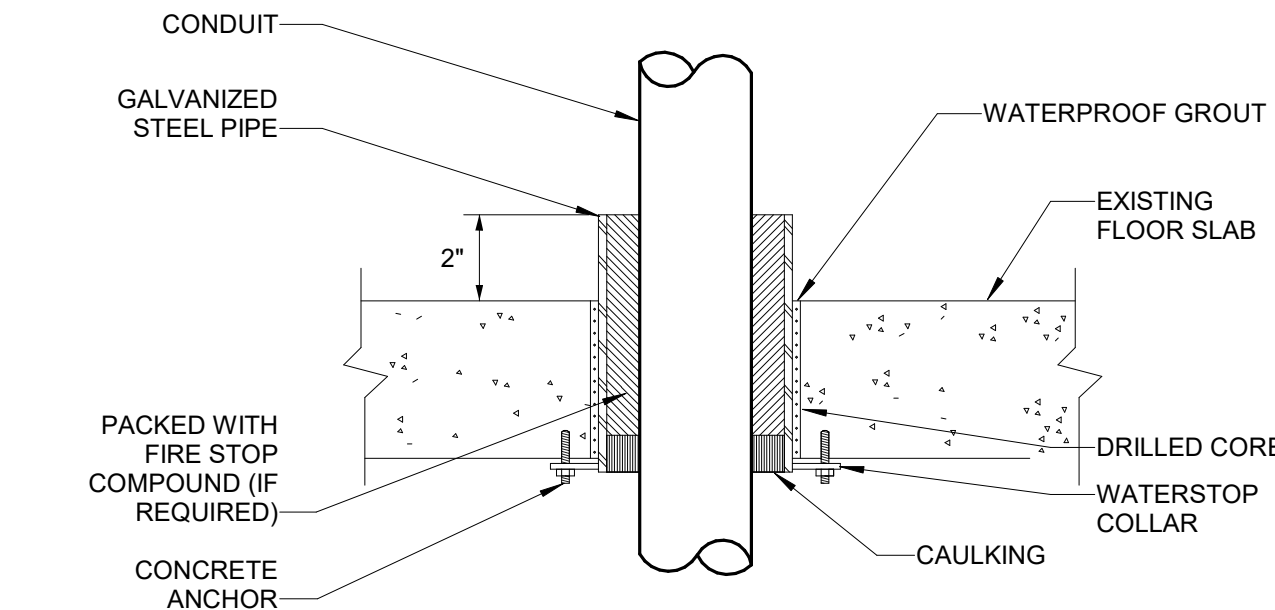
UPON ACTIVATION OF A DUCT DETECTOR AT A HVAC UNIT, A DUCT DETECTOR ASSOCIATED WITH A DAMPER, CORRIDOR DETECTOR, OR TOTAL COVERAGE SMOKE DETECTOR:

- THE FIRE ALARM RELAY ASSOCIATED WITH THE HVAC UNIT WILL OPEN CAUSING THE UNIT TO SHUT DOWN.
- THE FIRE ALARM RELAY AT THE DAMPER POWER CIRCUIT WILL OPEN CAUSING THE DAMPERS TO CLOSE (FAIL-SAFE DAMPERS).

17 FIRE/SMOKE DAMPER  
NO SCALE

### KEYNOTES:

- CORRIDOR DETECTOR OR TOTAL COVERAGE SMOKE DETECTOR SYSTEM IF INSTALLED. REFER TO IBC 717.3.3.2 (6) AND (5).
- ASSOCIATED HVAC UNIT MOTOR STARTER OR VFD. PROVIDE WITH EXTERNAL CONTACT CLOSURE INPUT TO ALLOW FOR SHUTDOWN OF UNIT FROM FIRE ALARM RELAY.
- NORMALLY CLOSED FIRE ALARM RELAY.
- DAMPER AND ASSOCIATED SMOKE DETECTOR. INSTALL DETECTOR WITHIN 5FT OF DAMPER PER IBC 717.3.3.2.



**NOTE:**  
1. ALL CONDUIT PENETRATIONS THROUGH HORIZONTAL OR VERTICAL EXISTING STRUCTURAL MEMBER (WALL, FLOOR, CEILING, ETC.) SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. PROVIDE DRAWINGS FOR APPROVAL.

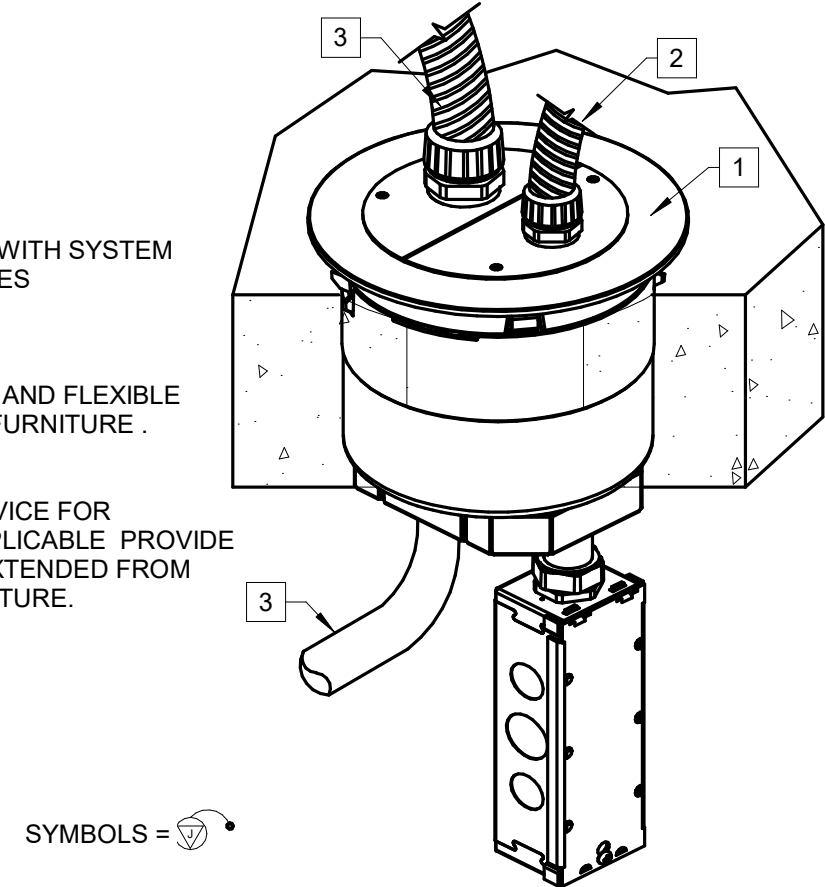
10 CONDUIT PENETRATION (CORE DRILLED)  
NO SCALE

### GENERAL NOTES:

- COMBINATION POKE-THROUGH DEVICE FOR ROUTING POWER AND COMMUNICATIONS CABLES TO MODULAR FURNITURE. REFER TO DIV 26 WIRING DEVICES SPECIFICATION SECTION FOR ADDITIONAL REQUIREMENTS.
- ALL DATA CONDUITS SHALL BE ROUTED TO NEAREST COMM ROOM OR CABLE TRAY, U.N.O. REFER TO DEVICE SYMBOL NOTES ON TECHNOLOGY LEGEND TO CONFIRM IF CONDUIT SHALL STOP AT ACCESSIBLE CEILING SPACE.

### KEYNOTES:

- FLOOR-BOX:**  
PROVIDE POKE-THROUGH DEVICE WITH SYSTEM DIVIDER. PER DIV 26 WIRING DEVICES SPECIFICATION.
- POWER CONDUIT:**  
PROVIDE (1) 3/4" POWER CONDUIT AND FLEXIBLE WHIP CONNECTING TO MODULAR FURNITURE.
- DATA CONDUIT:**  
PROVIDE (1) 1-1/4" CONDUIT TO DEVICE FOR LOW VOLTAGE CABLE. WHERE APPLICABLE PROVIDE 2-INCH FLEXIBLE CONDUIT WHIP EXTENDED FROM COVER PLATE TO MODULAR FURNITURE.



SYMBOLS = 

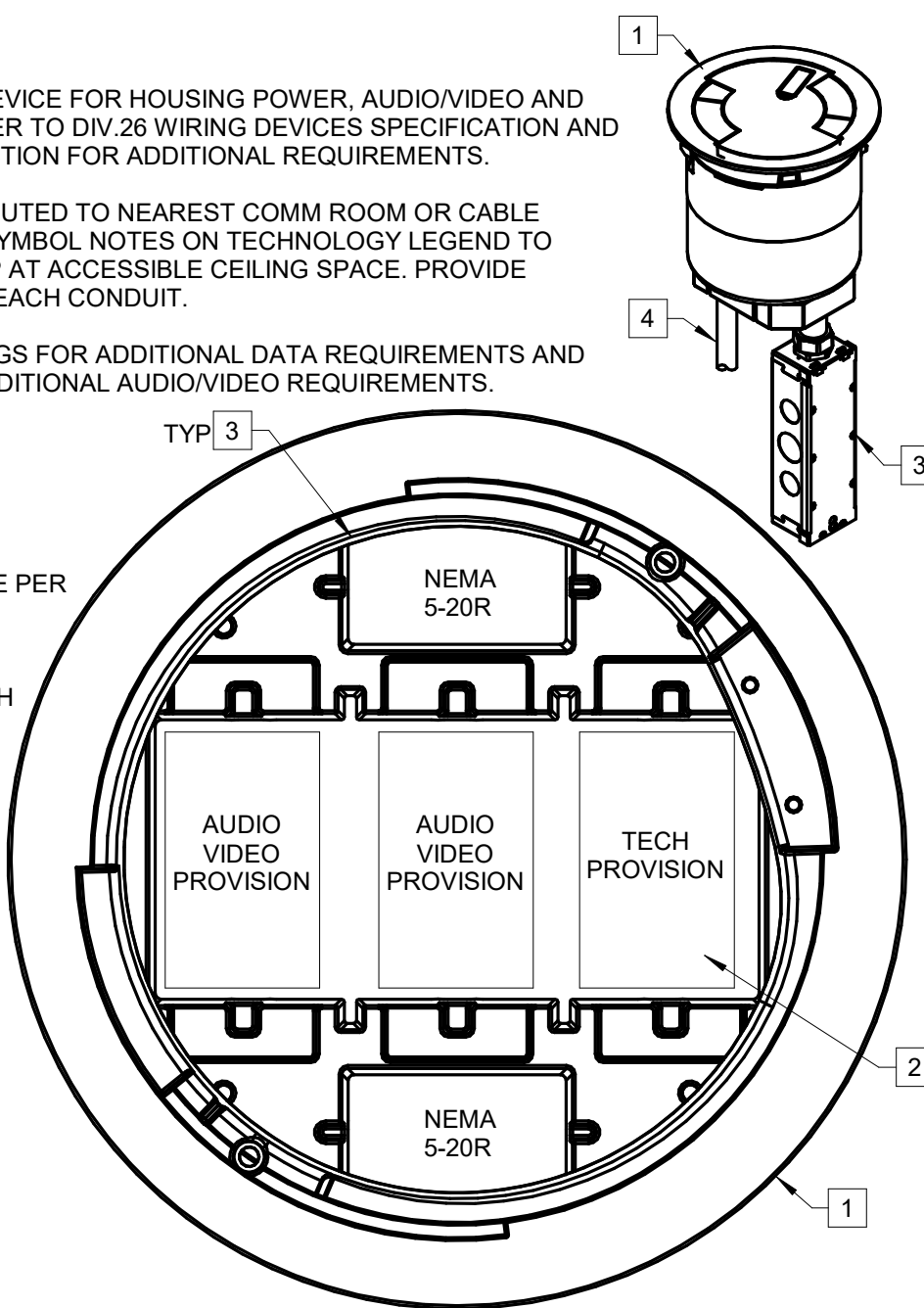
11 FURNITURE FEED POKE-THROUGH DEVICE  
NO SCALE

### GENERAL NOTES:

- COMBINATION POKE-THROUGH DEVICE FOR HOUSING POWER, AUDIO/VIDEO AND COMMUNICATIONS DEVICES. REFER TO DIV 26 WIRING DEVICES SPECIFICATION AND SUBMITTED SHOP DRAWINGS SECTION FOR ADDITIONAL REQUIREMENTS.
- ALL DATA CONDUITS SHALL BE ROUTED TO NEAREST COMM ROOM OR CABLE TRAY, U.N.O. REFER TO DEVICE SYMBOL NOTES ON TECHNOLOGY LEGEND TO CONFIRM IF CONDUIT SHALL STOP AT ACCESSIBLE CEILING SPACE. PROVIDE NYLON BUSHING ON THE END OF EACH CONDUIT.
- REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL DATA REQUIREMENTS AND AUDIO VISUAL DRAWINGS FOR ADDITIONAL AUDIO/VIDEO REQUIREMENTS.

### KEYNOTES:

- FLOOR BOX:**  
PROVIDE POKE-THROUGH DEVICE PER DIV 26 WIRING DEVICES.
- MOUNTING PLATE:**  
PROVIDE MOUNTING PLATES WITH STYLE-LINE (DECORA) FRAME OPENING FOR DATA AND AUDIO VIDEO AS DETAILED.
- POWER:**  
RECEPTACLES AND CONDUIT SHOWN FOR REFERENCE.
- LOW VOLTAGE CONDUIT:**  
PROVIDE (1) 1-1/4" CONDUIT FOR DATA CABLING AND (1) 1-1/4" CONDUIT FOR AV CABLING EACH WITH A PULL STRING AT APPLICABLE DEVICE LOCATIONS.





12 STANDARD POKE-THROUGH DEVICE 8-INCH  
NO SCALE

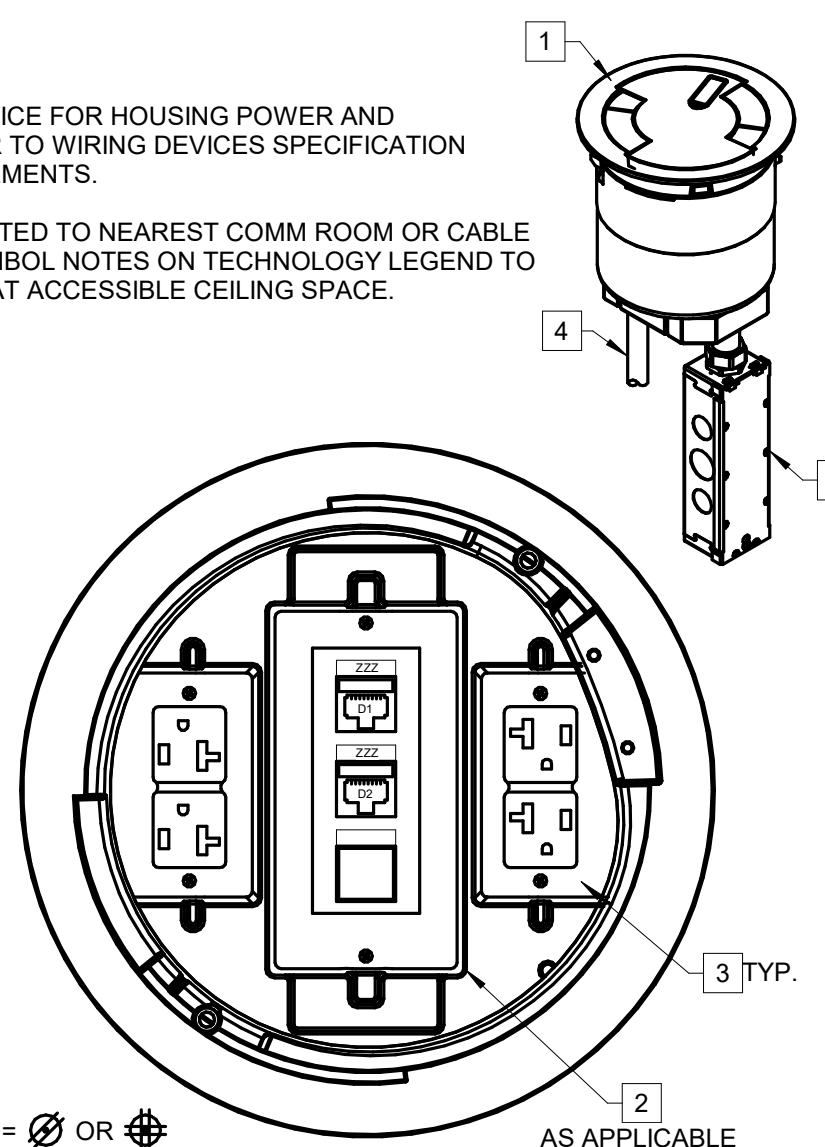
### GENERAL NOTES:

- COMBINATION POKE-THROUGH DEVICE FOR HOUSING POWER AND COMMUNICATIONS DEVICES. REFER TO WIRING DEVICES SPECIFICATION SECTION FOR ADDITIONAL REQUIREMENTS.
- ALL DATA CONDUITS SHALL BE ROUTED TO NEAREST COMM ROOM OR CABLE TRAY, U.N.O. REFER TO DEVICE SYMBOL NOTES ON TECHNOLOGY LEGEND TO CONFIRM IF CONDUIT SHALL STOP AT ACCESSIBLE CEILING SPACE.

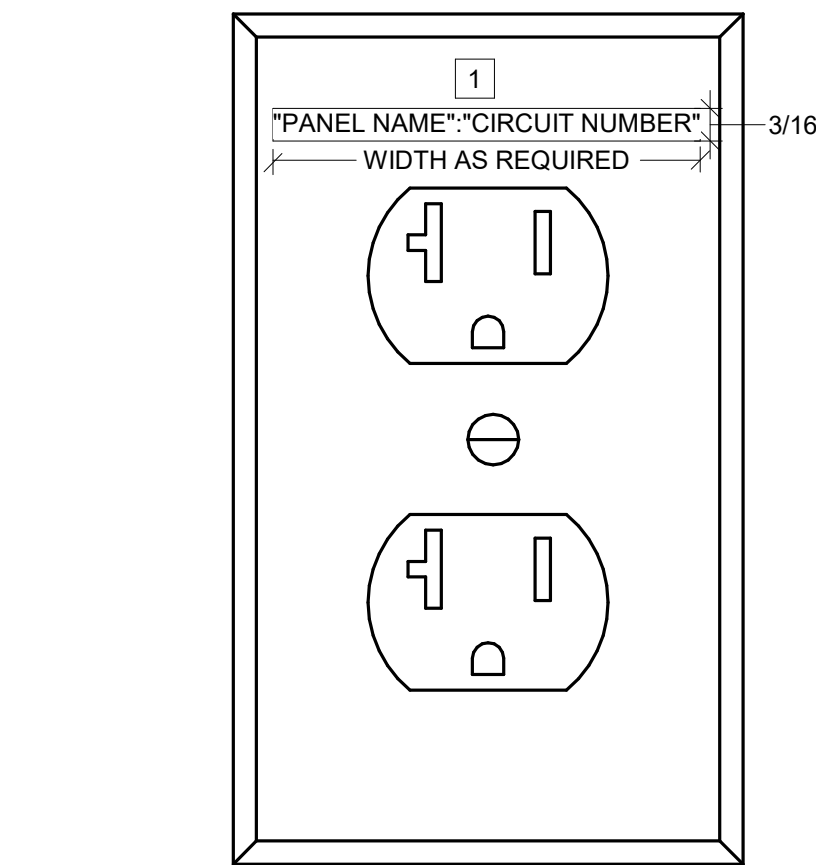
### KEYNOTES:

- FLOOR BOX:**  
PROVIDE POKE-THROUGH DEVICE PER DIV 26 WIRING DEVICES SPECIFICATION.
- MOUNTING PLATE:**  
PROVIDE MOUNTING PLATE WITH STYLE-LINE (DECORA) FRAME OPENING IN CENTER FOR LOW VOLTAGE CONNECTORS. PROVIDE BLANK DECORA COVER FOR POWER ONLY FLOOR BOXES.
- POWER:**  
TAMPER RESISTANT RECEPTACLES AND CONDUIT/HOUSING SHOWN FOR REFERENCE.
- DATA CONDUIT:**  
PROVIDE (1) 1-1/4" CONDUIT FOR LOW VOLTAGE CABLING AT EACH APPLICABLE POKE-THROUGH DEVICE.

SYMBOLS =  OR 



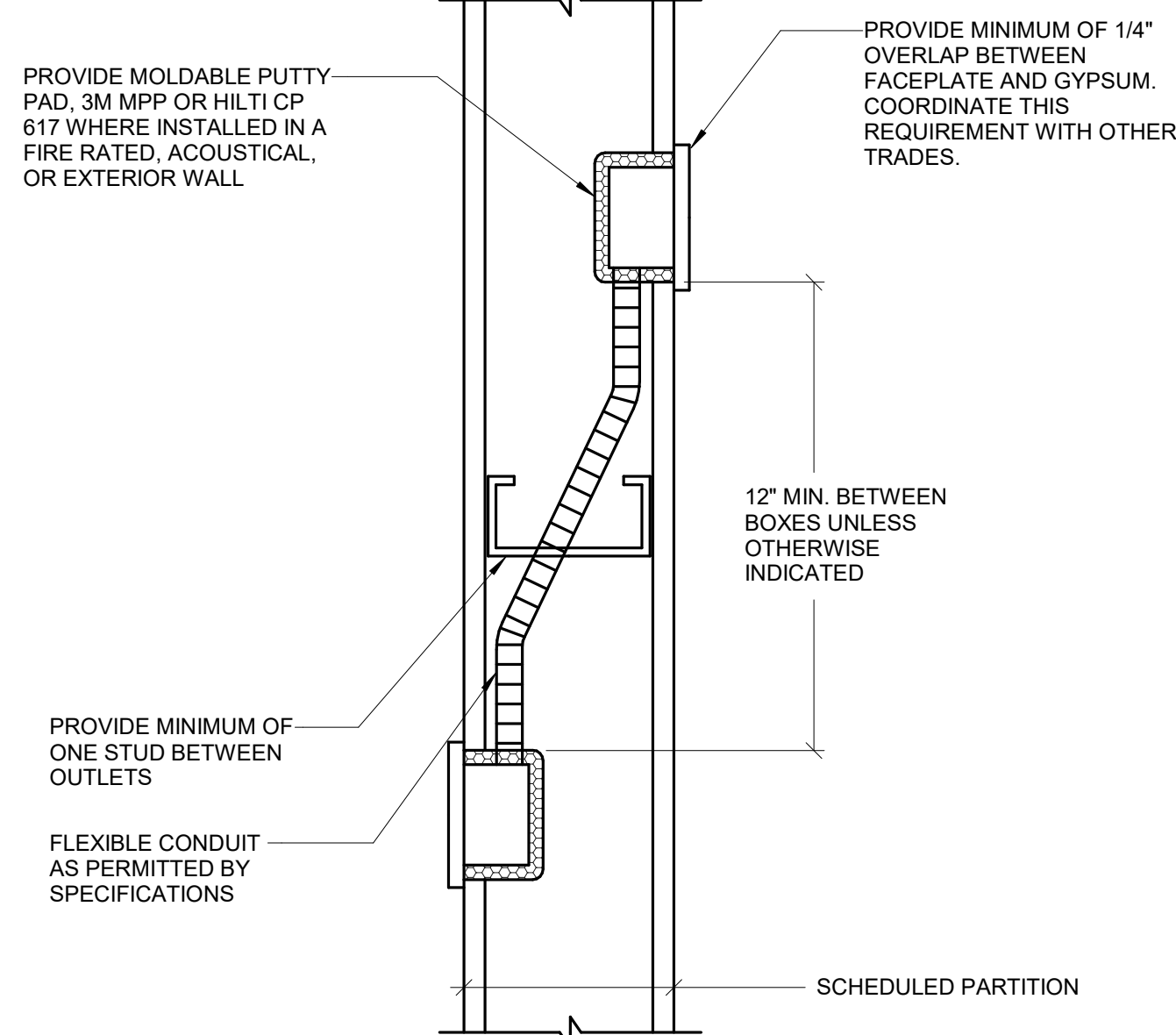
13 STANDARD POKE-THROUGH DEVICE 6-INCH  
NO SCALE



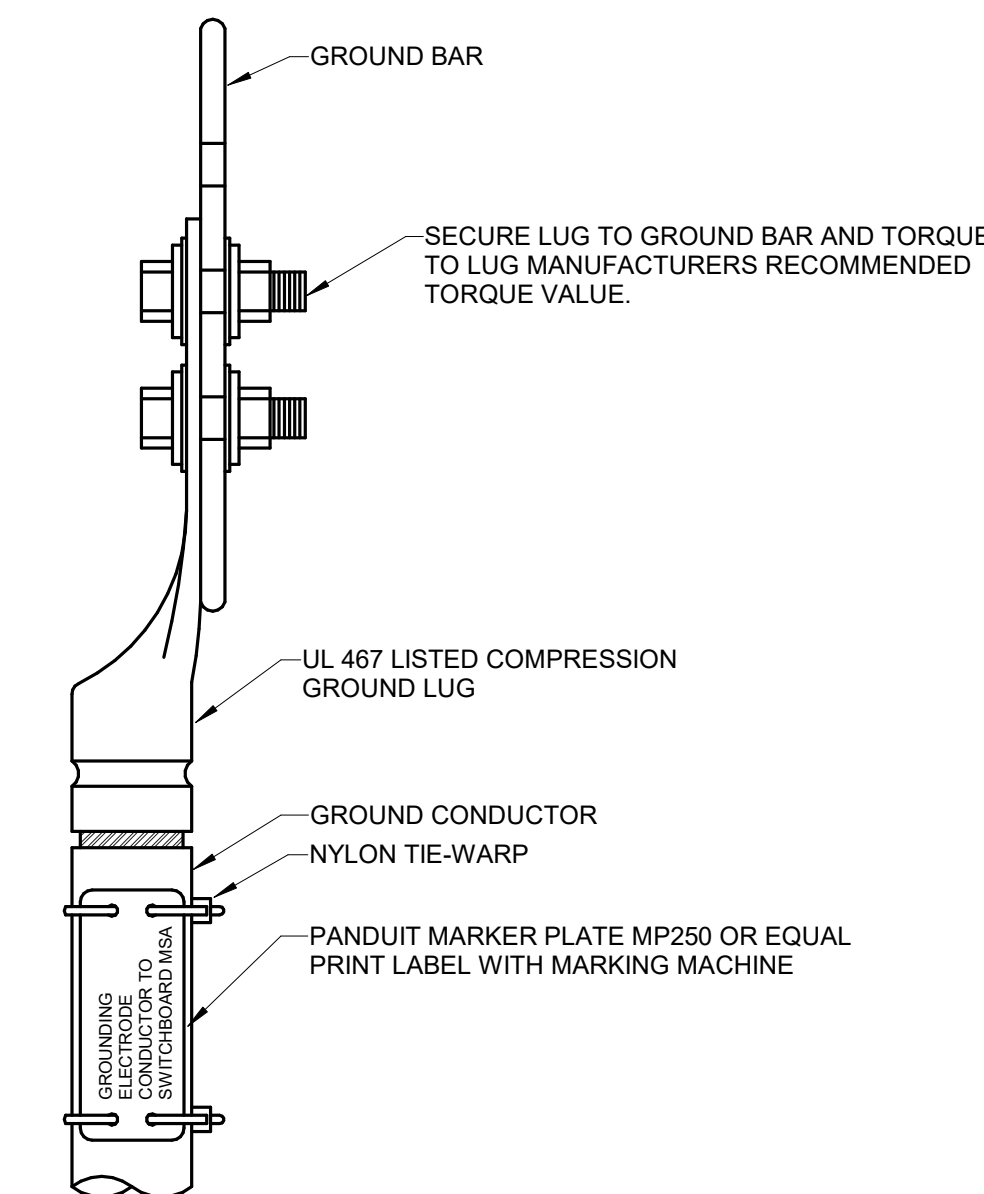
### KEYNOTES:

- PROVIDE BLACK LETTERING ON CLEAR LABEL FOR NORMAL CIRCUITS AND RED LETTERING ON CLEAR LABEL FOR EMERGENCY/STANDBY CIRCUITS.

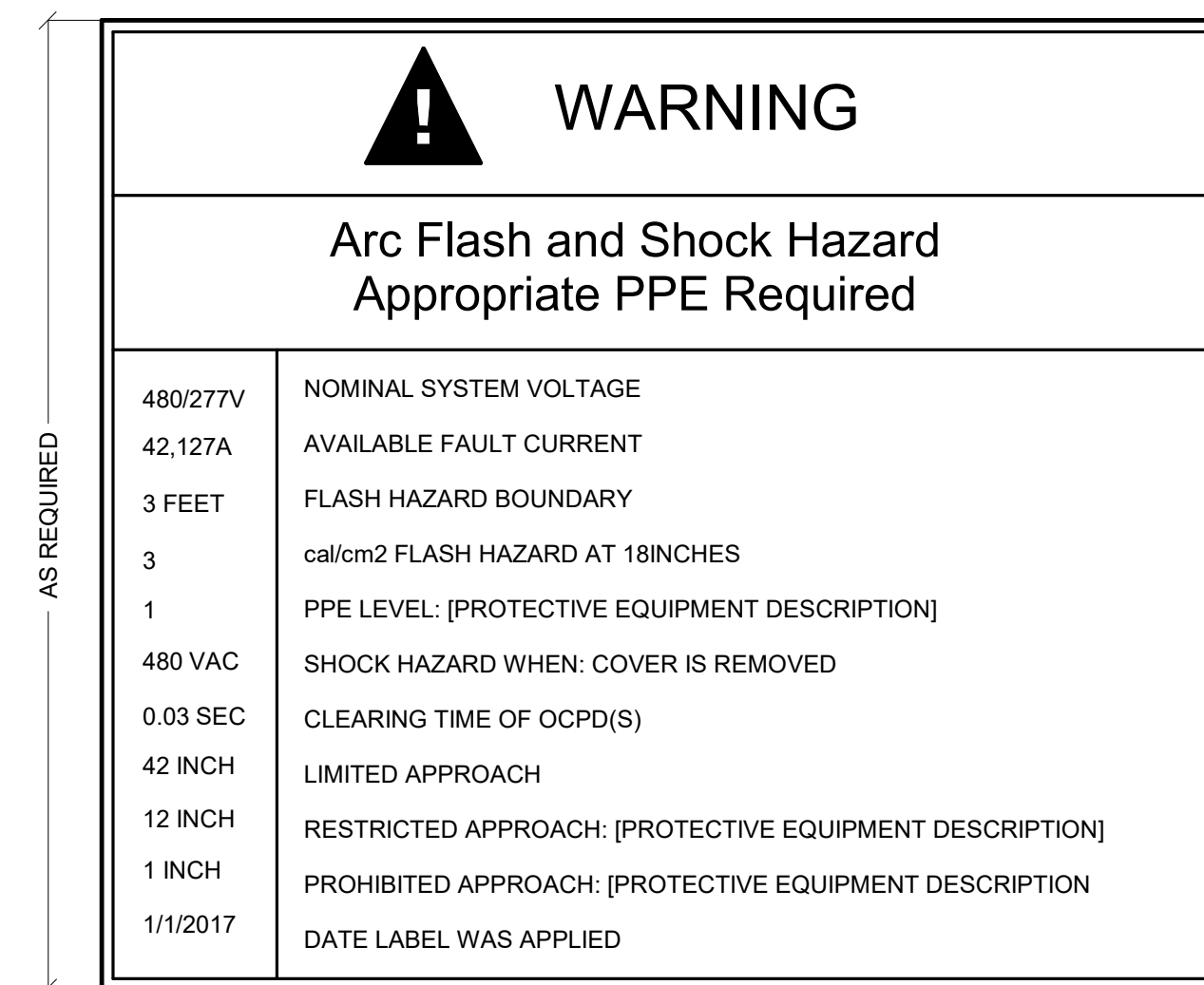
7 RECEPTACLE IDENTIFICATION  
NO SCALE



8 BACK TO BACK BOXES ARRANGEMENT-NOISE/FIRE RATING  
NO SCALE

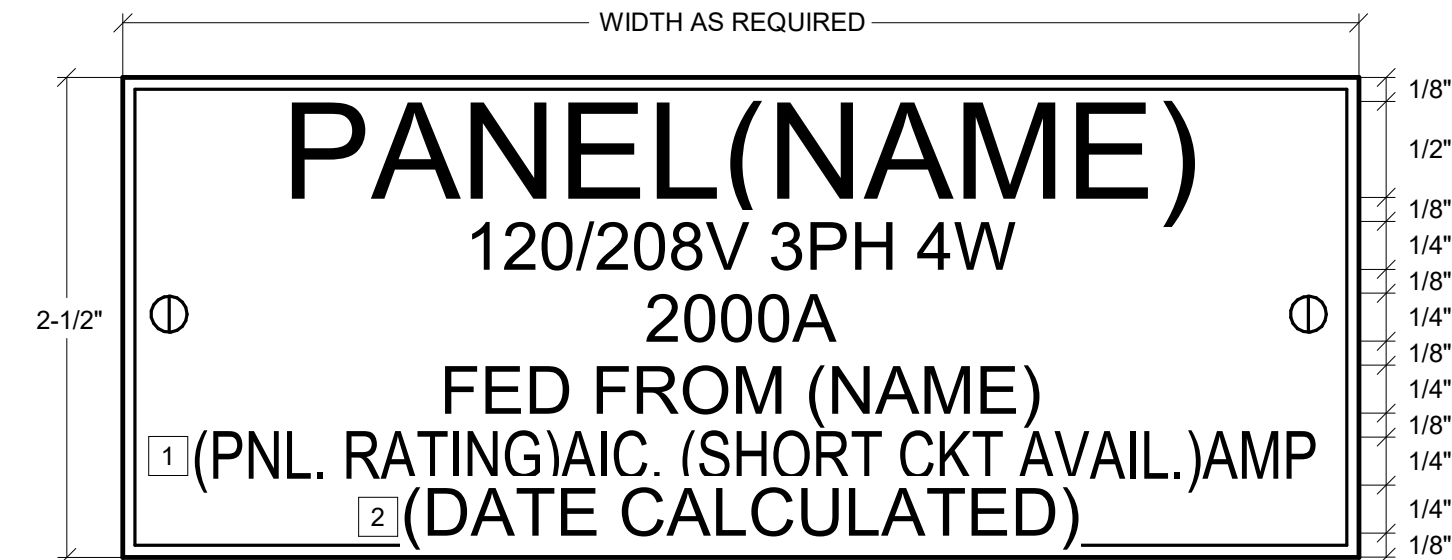


9 TYPICAL COMPRESSION GROUND CONNECTOR DETAIL  
NO SCALE



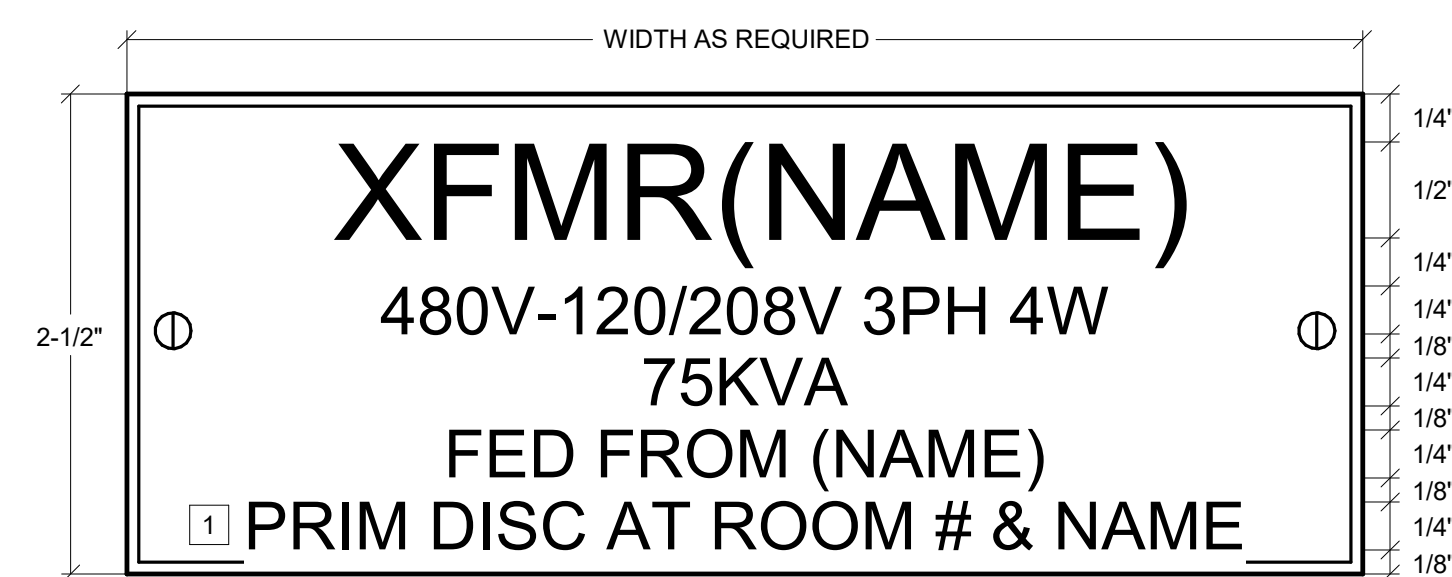
**NOTE:**  
1. SEE SPECIFICATIONS FOR ADDITIONAL NAMEPLATE INFORMATION.

1 ARC FLASH LABEL  
NO SCALE



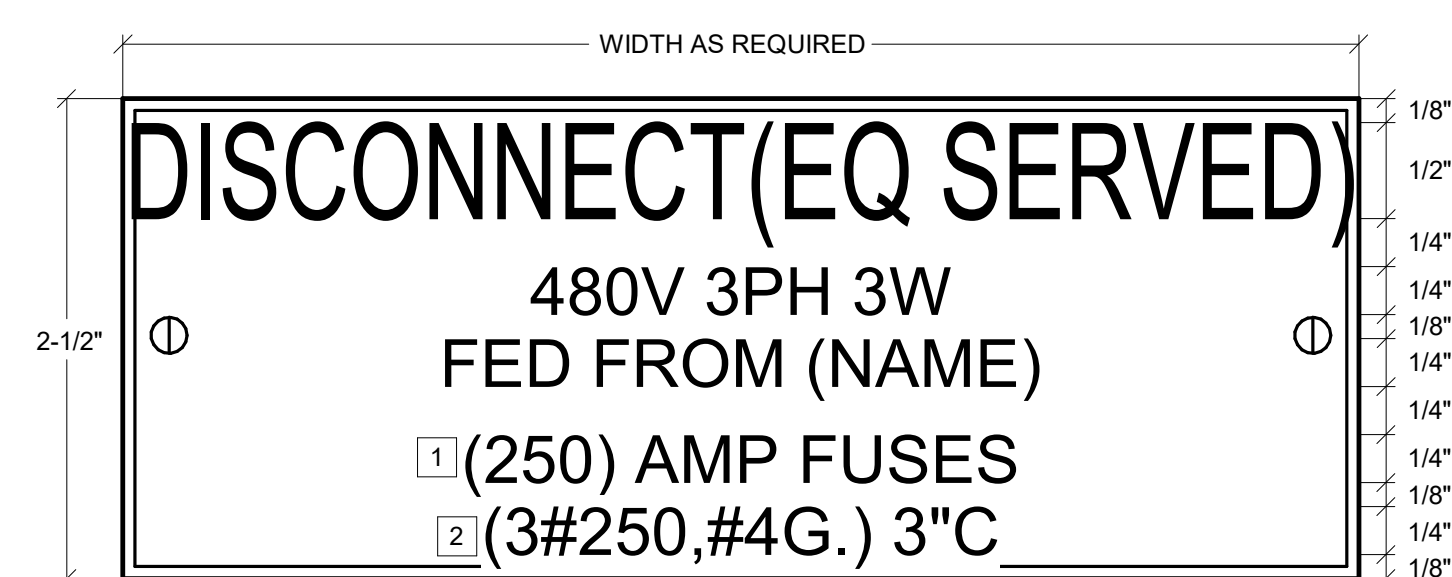
**NOTE:**  
1. SEE SPECIFICATIONS FOR ADDITIONAL NAMEPLATE INFORMATION.  
1 INDICATE BUS BRACING VALUE AND AVAILABLE FAULT CURRENT.  
2 PROVIDE AND INDICATE DATE OF CALCULATION.

2 SUB DIST. CENTER & BRANCH PANEL NAME PLATE  
NO SCALE



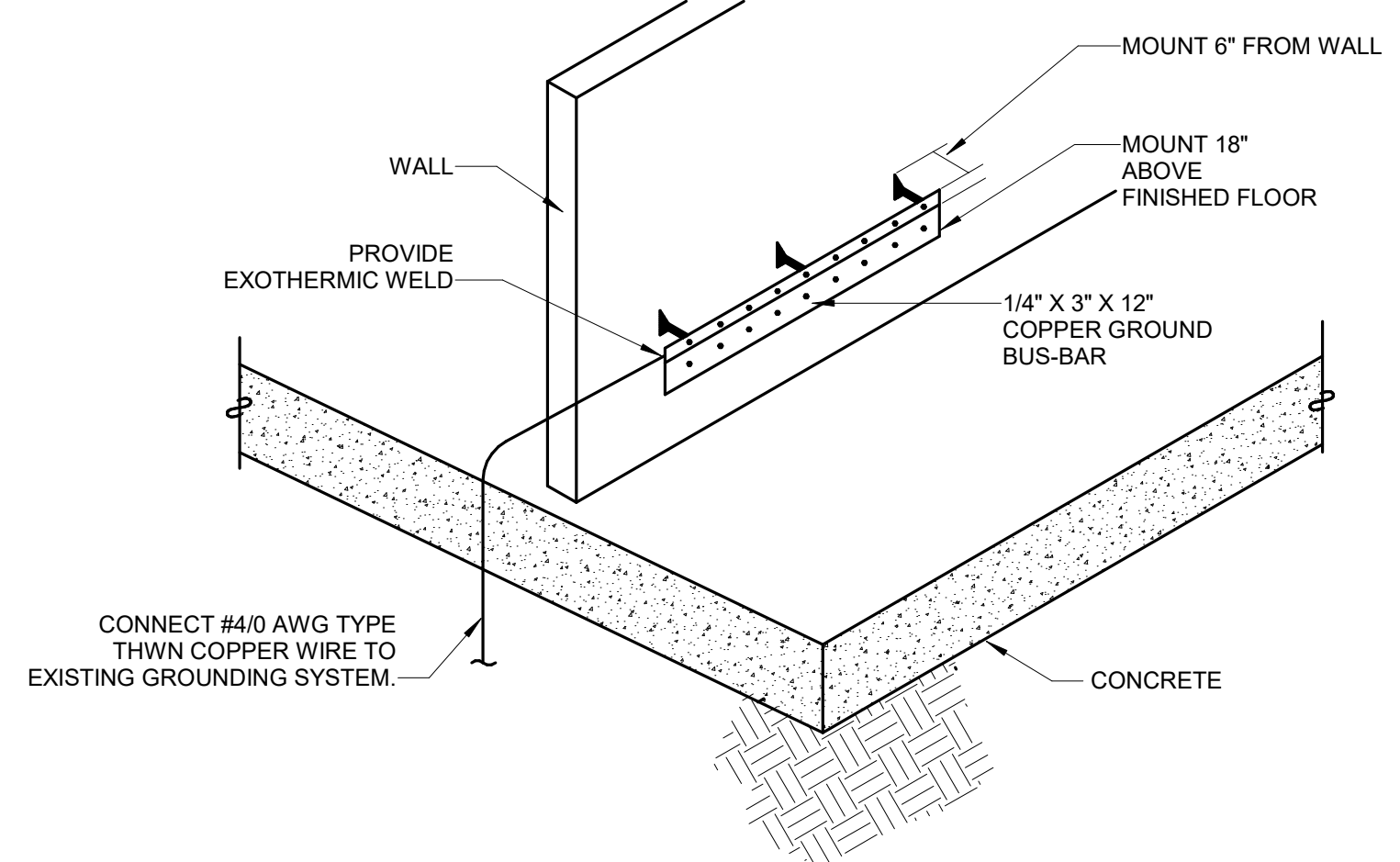
**NOTE:**  
1. SEE SPECIFICATIONS FOR ADDITIONAL NAMEPLATE INFORMATION.  
1 INDICATE LOCATION OF PRIMARY DISCONNECT

3 TRANSFORMER NAMEPLATE  
NO SCALE



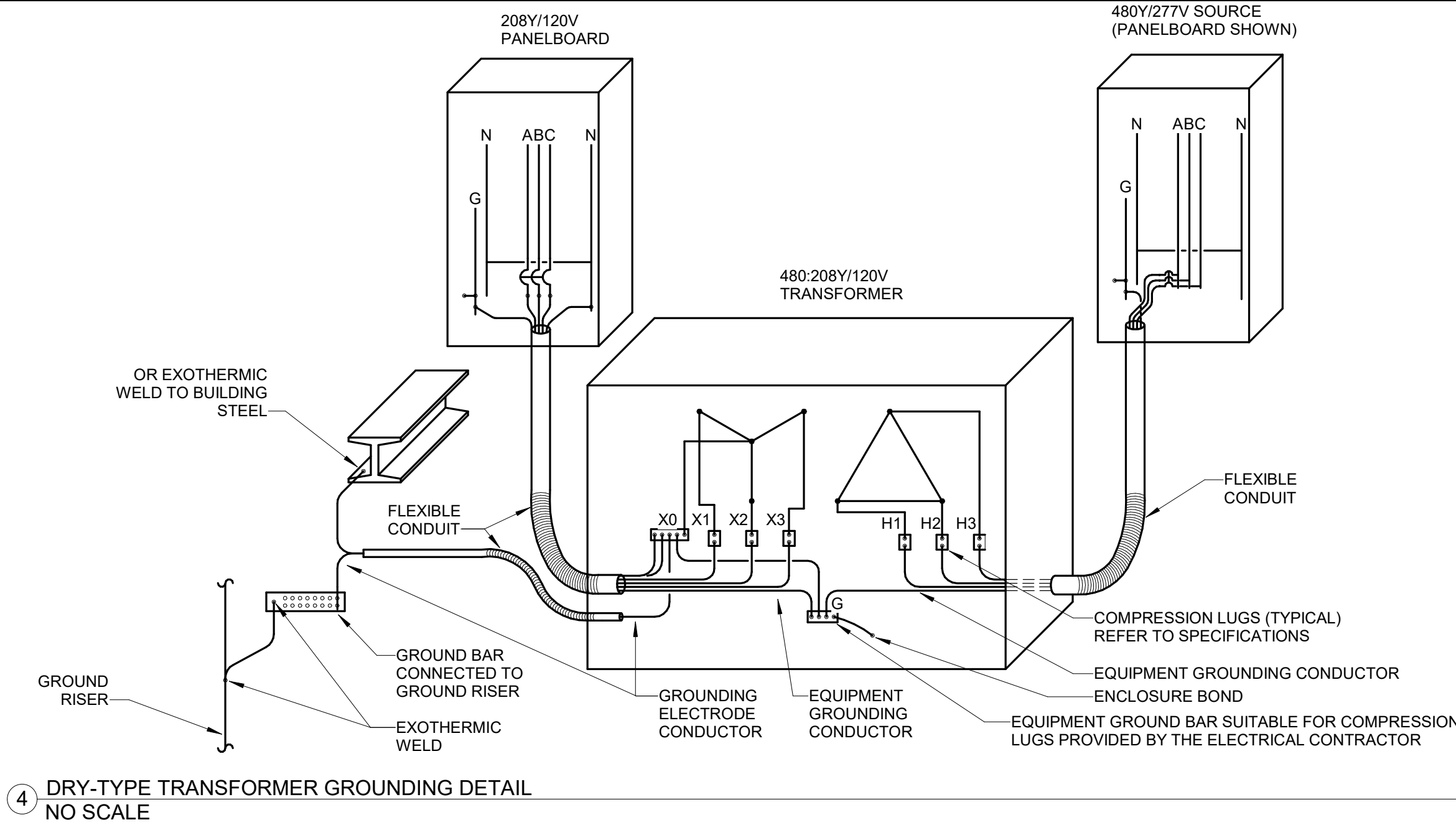
**NOTE:**  
1. SEE SPECIFICATIONS FOR ADDITIONAL NAMEPLATE INFORMATION.  
1 INDICATE FUSE SIZE, IF APPLICABLE  
2 INDICATE BRANCH CIRCUIT WIRE SIZE

4 DISCONNECT NAMEPLATE  
NO SCALE

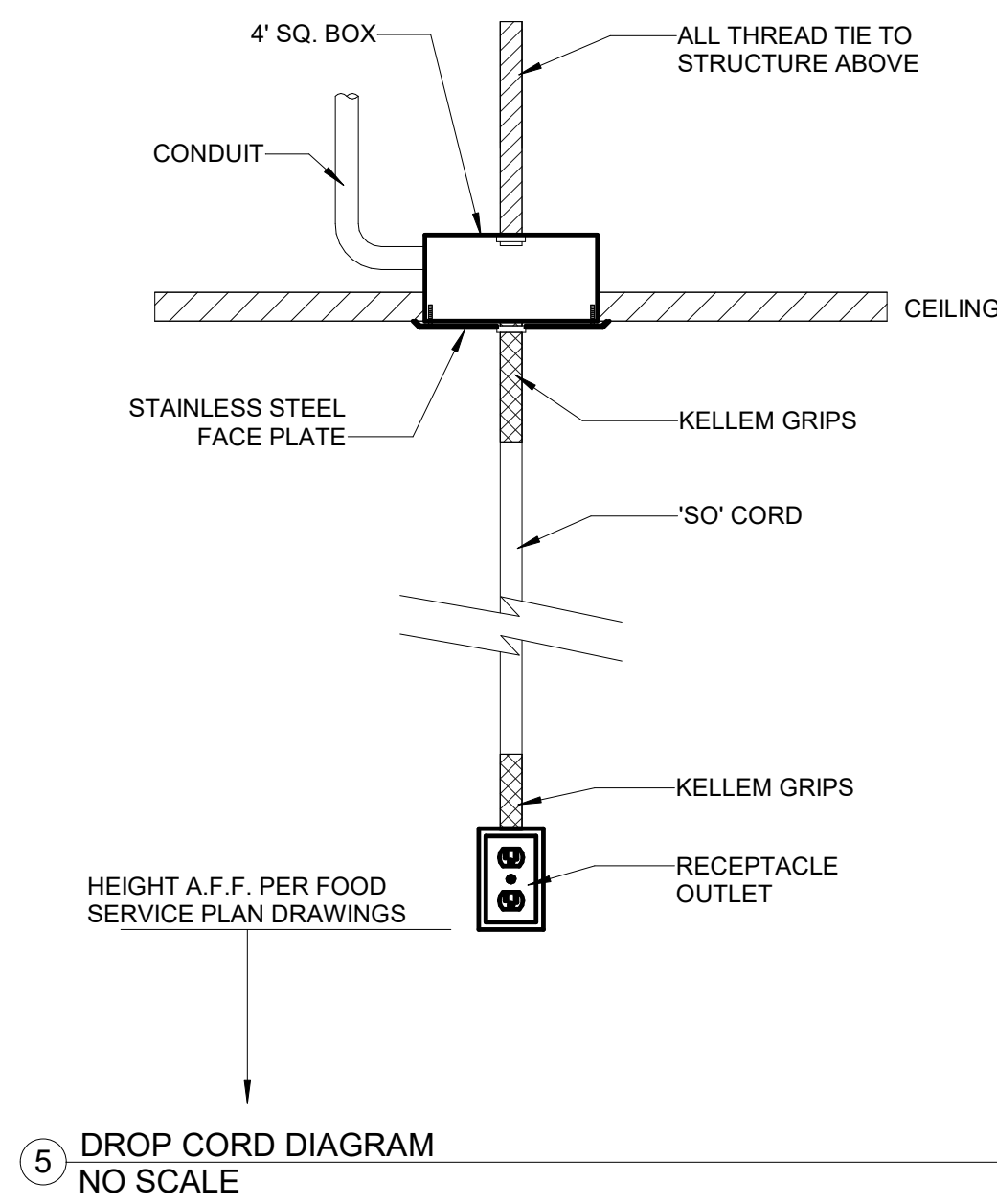


5 ELECTRICAL RISER ROOM GROUND BUS BAR  
NO SCALE

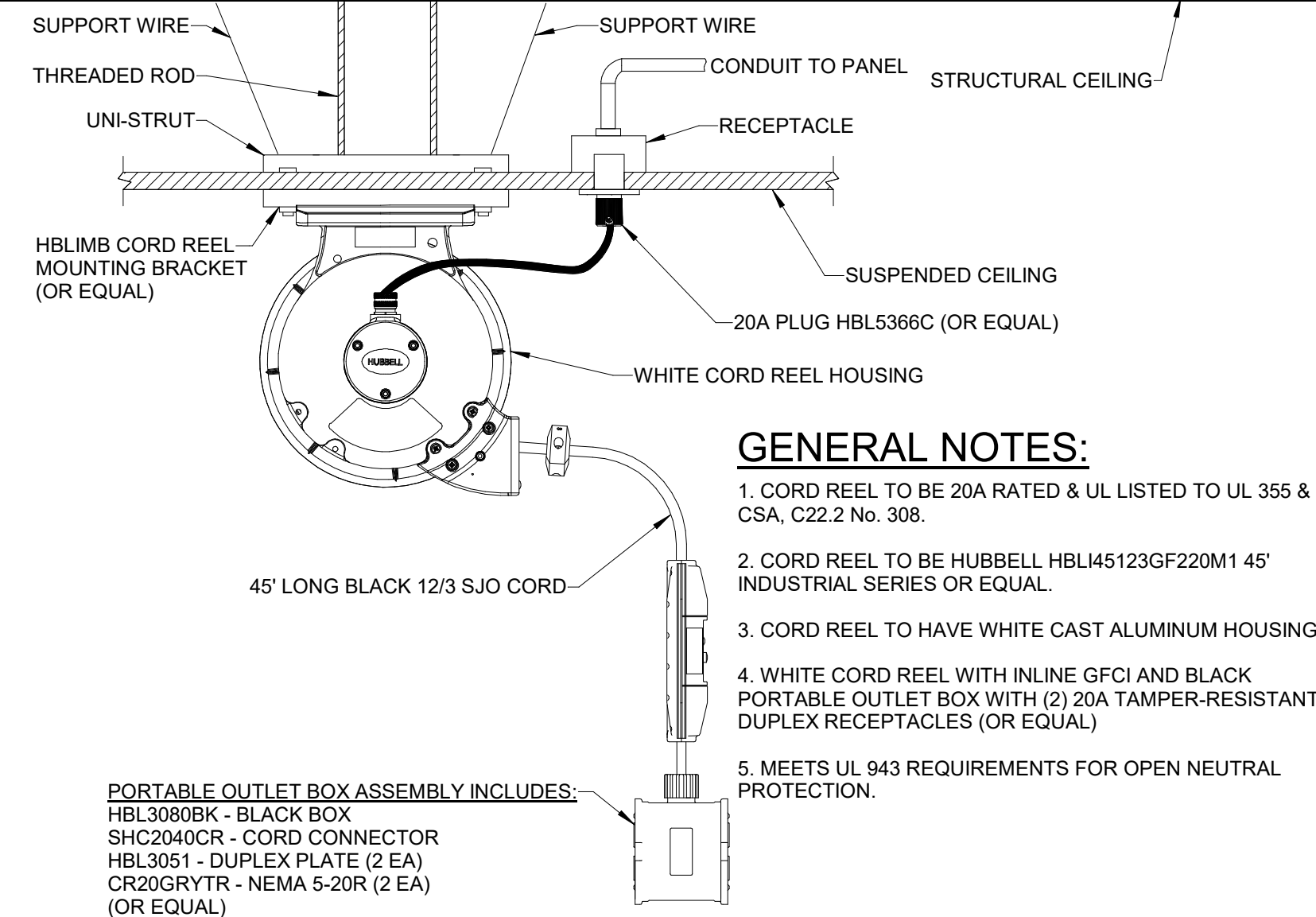




4 DRY-TYPE TRANSFORMER GROUNDING DETAIL  
NO SCALE



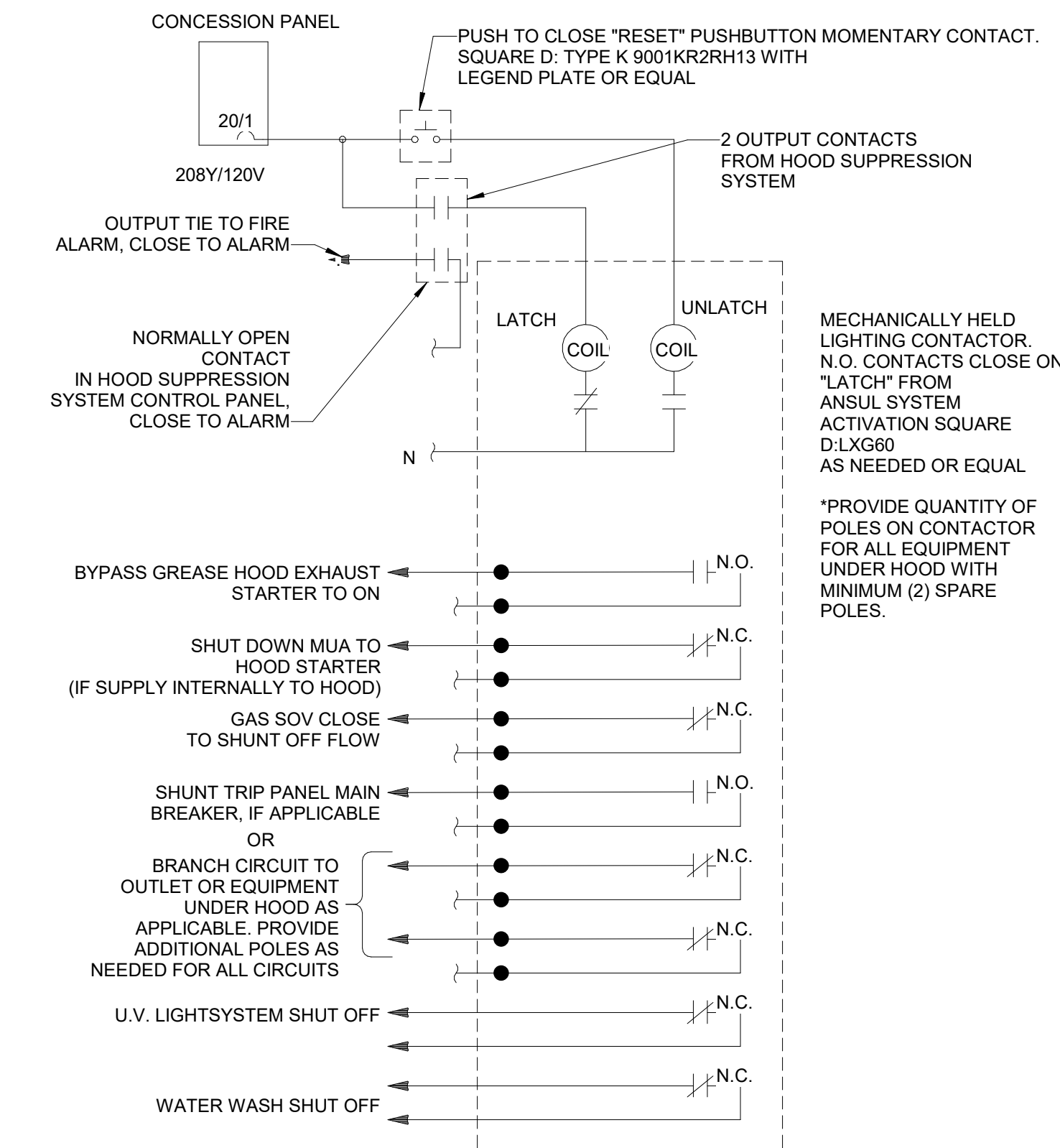
5 DROP CORD DIAGRAM  
NO SCALE



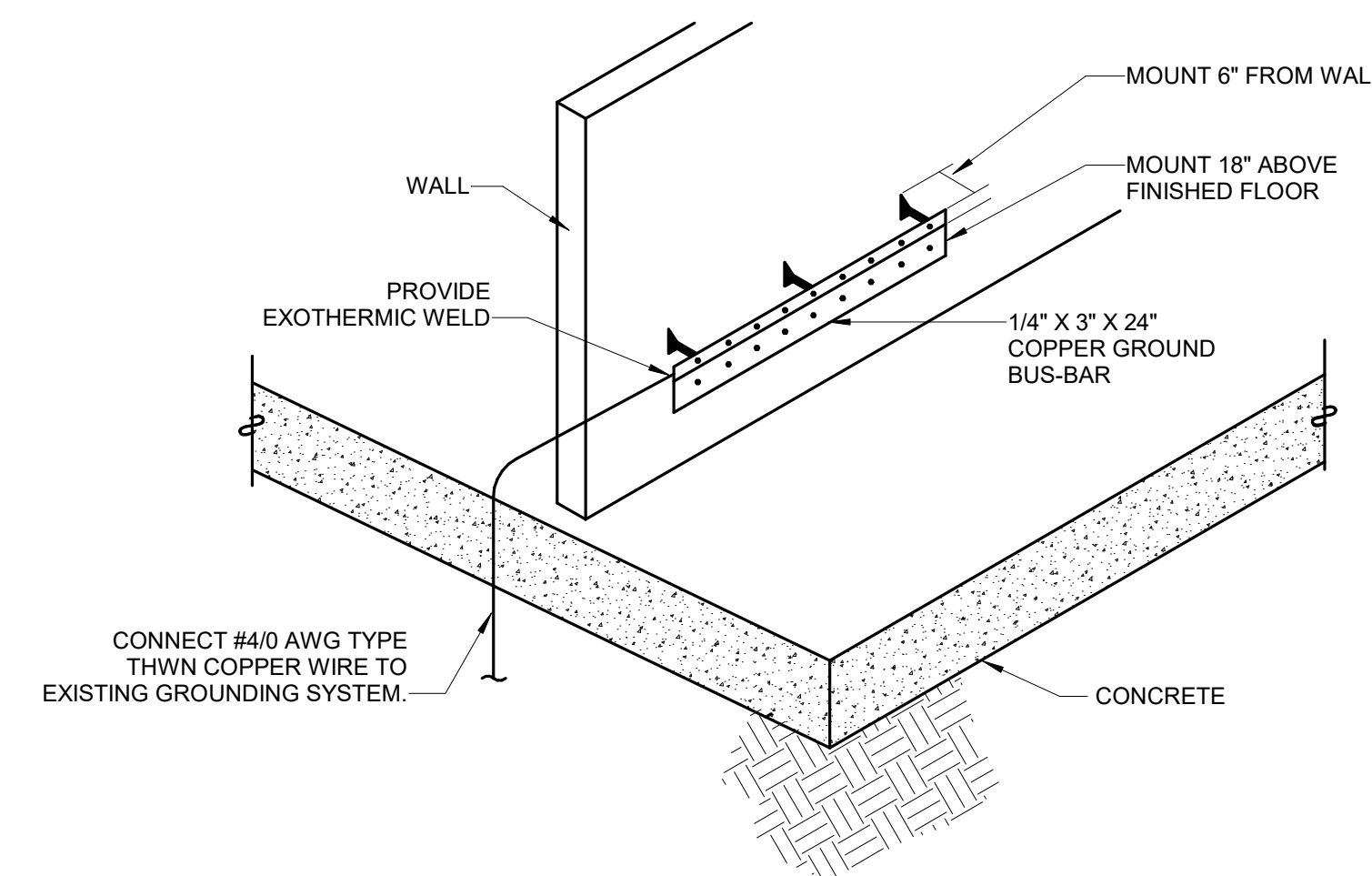
- GENERAL NOTES:**
1. CORD REEL TO BE 20A RATED & UL LISTED TO UL 355 & CSA, C22.2 No. 308.
  2. CORD REEL TO BE HUBBELL HBL45123GF220M1 45' INDUSTRIAL SERIES OR EQUAL.
  3. CORD REEL TO HAVE WHITE CAST ALUMINUM HOUSING.
  4. WHITE CORD REEL WITH INLINE GFCI AND BLACK PORTABLE OUTLET BOX WITH (2) 20A TAMPER-RESISTANT DUPLEX RECEPTACLES (OR EQUAL).
  5. MEETS UL 943 REQUIREMENTS FOR OPEN NEUTRAL PROTECTION.

PORTABLE OUTLET BOX ASSEMBLY INCLUDES:  
HBL3080BK - BLACK BOX  
SHC2040CR - CORD CONNECTOR  
HBL3051 - DUPLEX PLATE (2 EA)  
CR20GRVTR - NEMA 5-20R (2 EA)  
(OR EQUAL)

1 SUSPENDED/ACT CEILING MOUNTED CORD REEL DETAIL  
NO SCALE



2 KITCHEN HOOD SHUNT TRIP PANEL  
NO SCALE



3 MAIN ELECTRICAL ROOM GROUND BUS BAR  
NO SCALE

## Gensler

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**MARTIN/MARTIN**  
ARCHITECTS & ENGINEERS

12499 West Colfax Ave.  
Lakewood, CO 80215  
United States  
Tel 303.431.6100

Date	Description
2021.06.04	BP4C - KVC INTERIORS - ISSUE FOR PERMIT AND CONSTRUCTION

Seal / Signature



Project Name

Steamboat Base Village  
Redevelopment

Project Number

003.7835.000

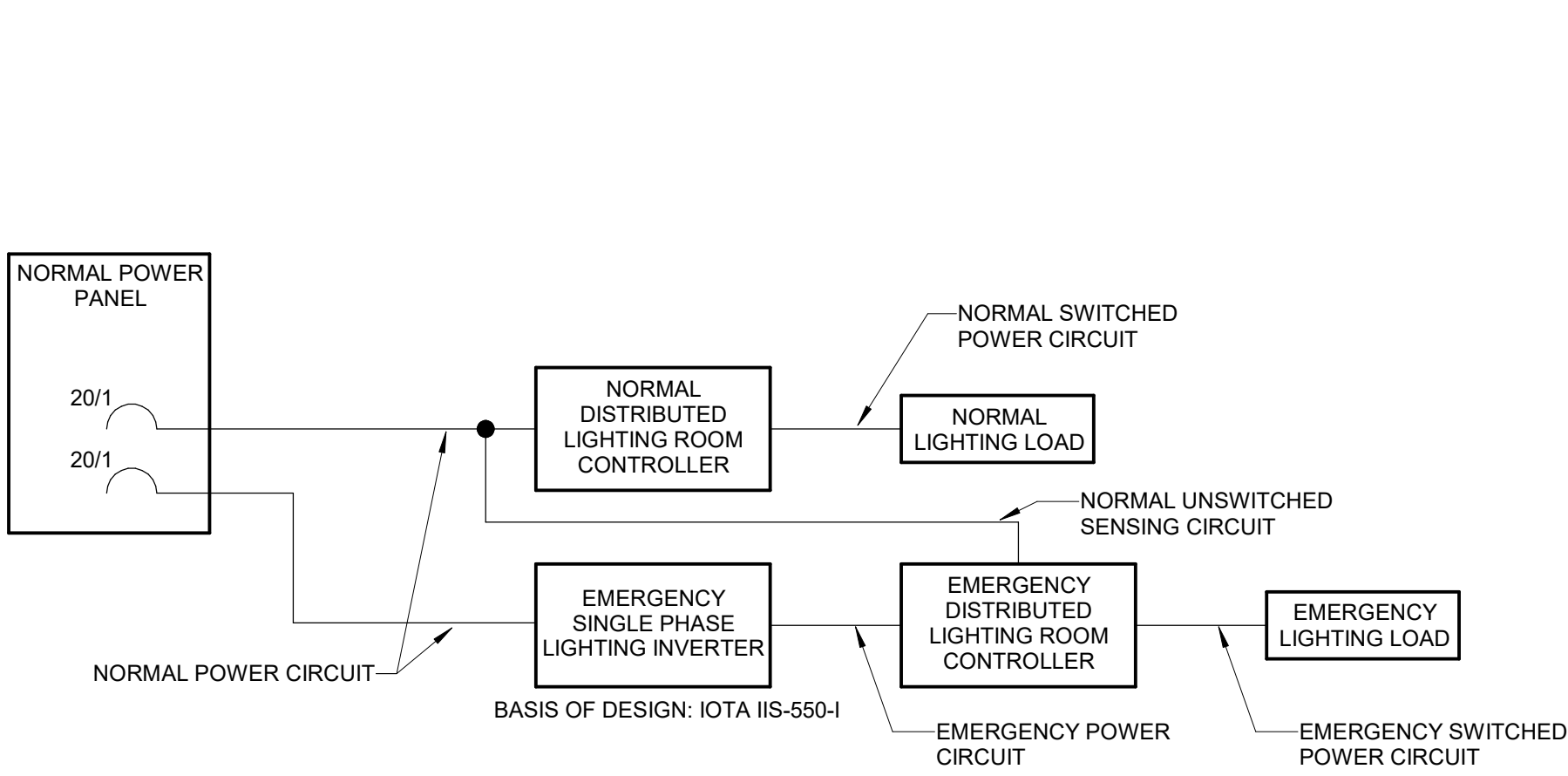
Description

ELECTRICAL DETAILS

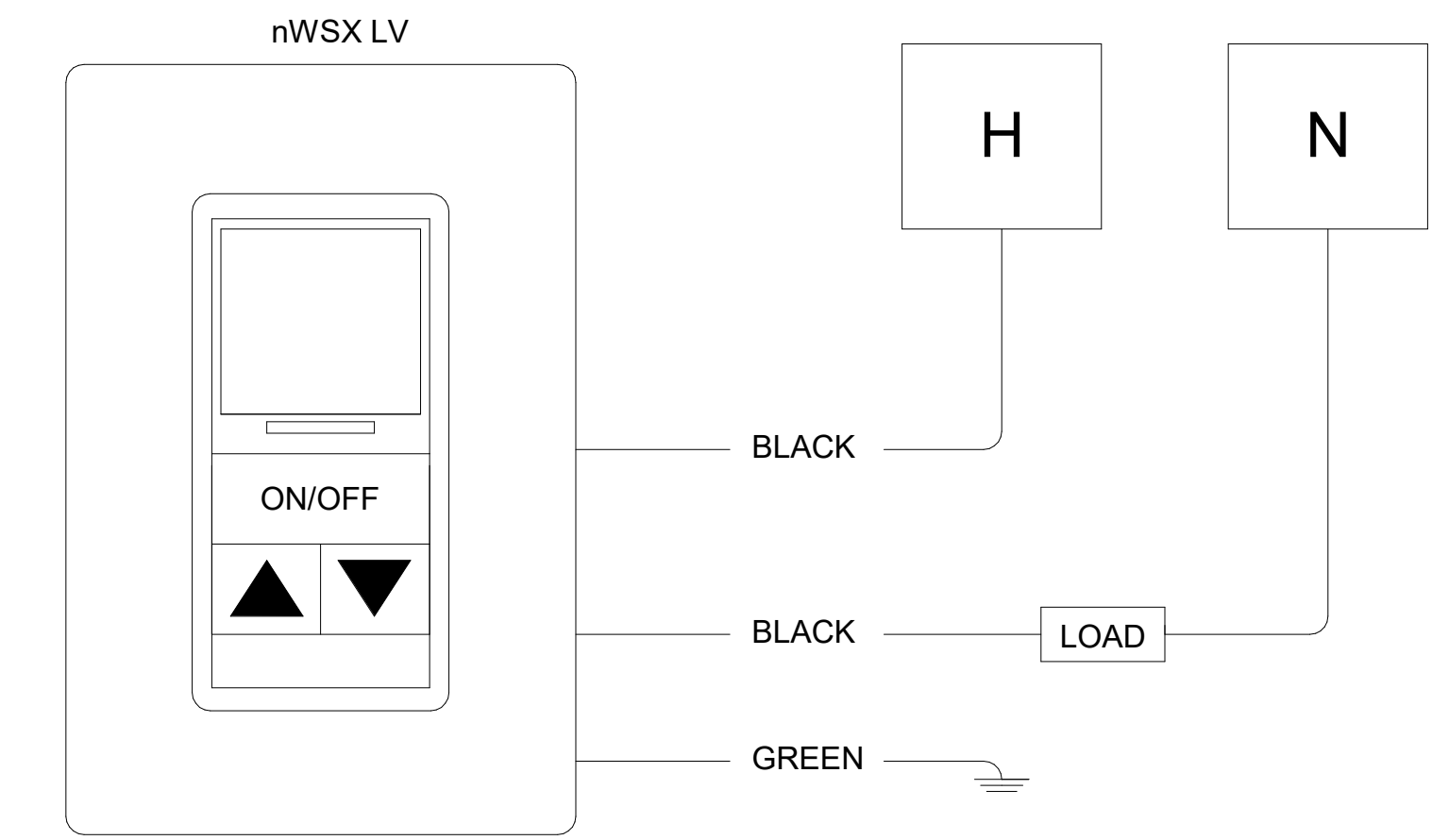
Scale

NO SCALE

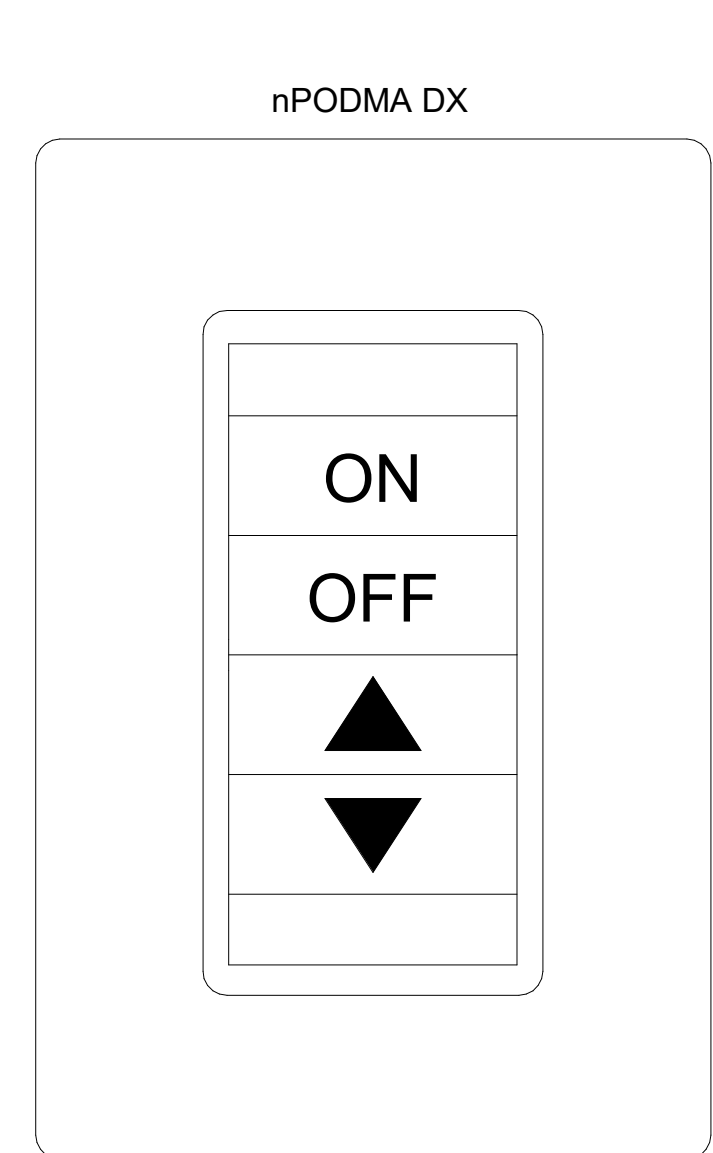
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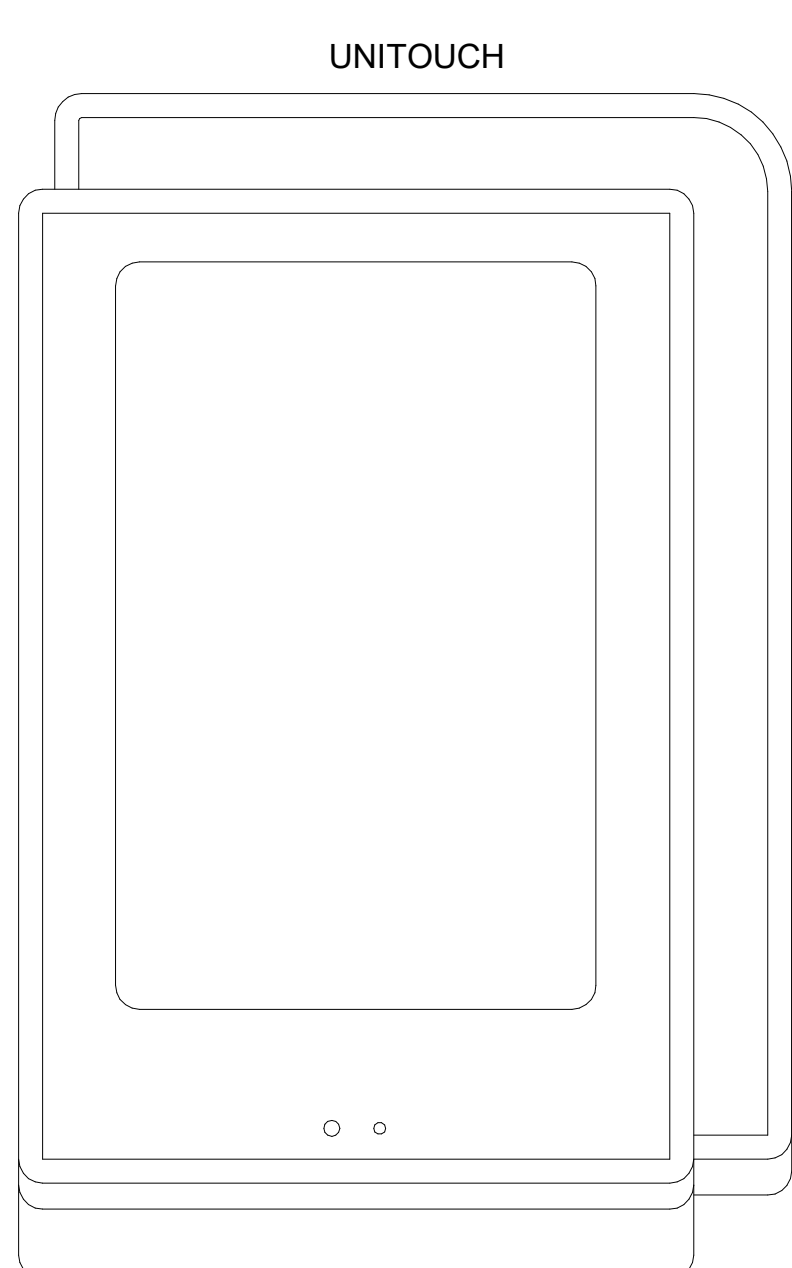
10 EMERGENCY LIGHTING INVERTER WIRING DIAGRAM  
NO SCALE



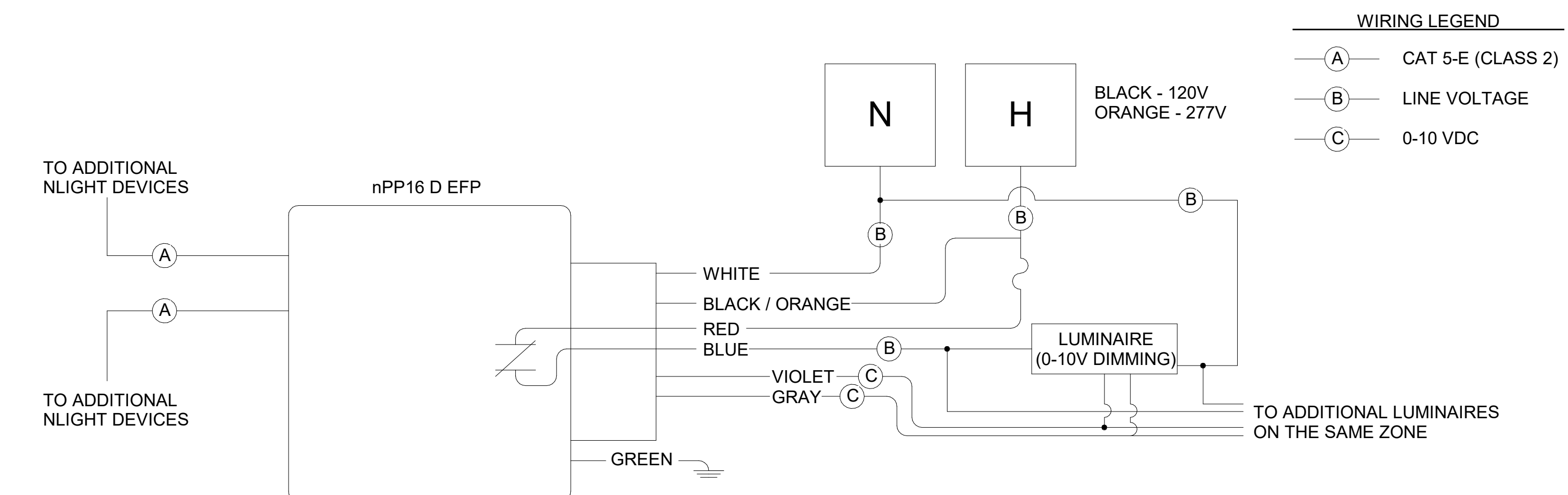
9 WALL SWITCH - 1 POLE, AUTO ON/OFF  
NO SCALE



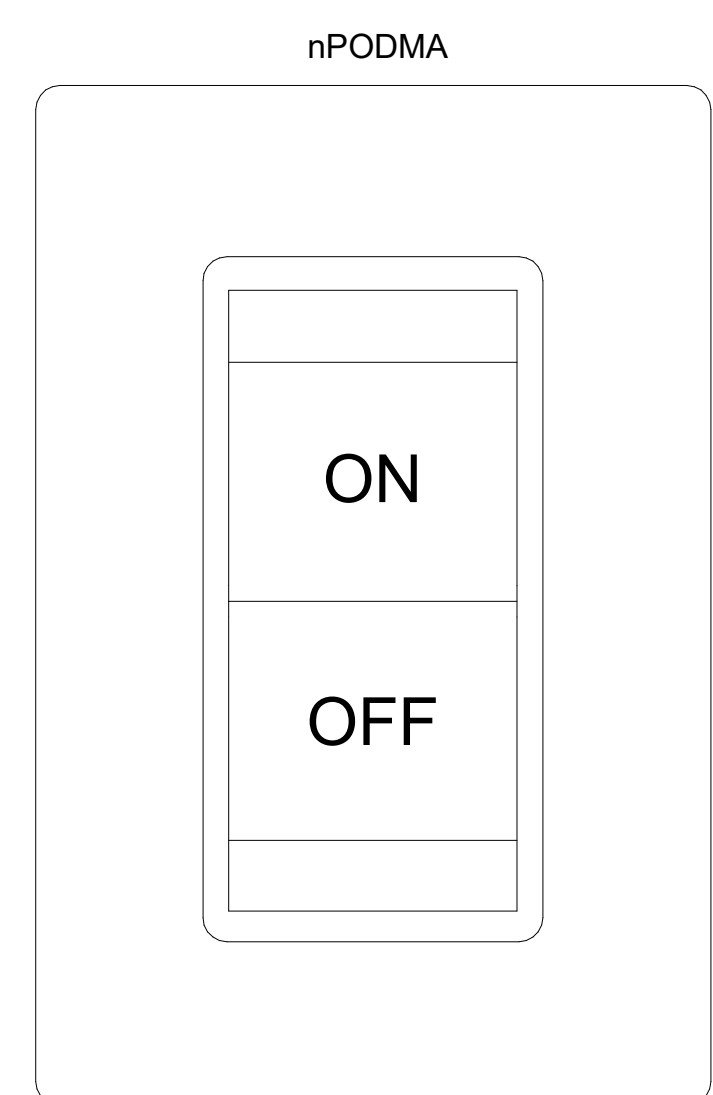
5 SINGLE ZONE DIMMER  
NO SCALE



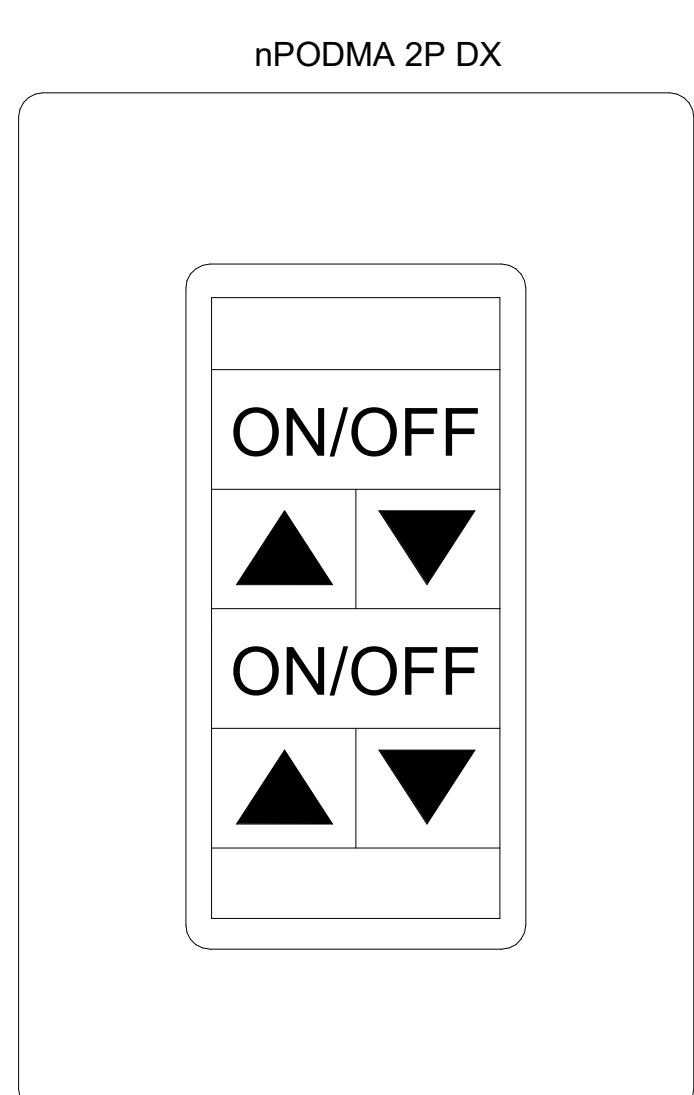
1 3.5" TOUCHSCREEN  
NO SCALE



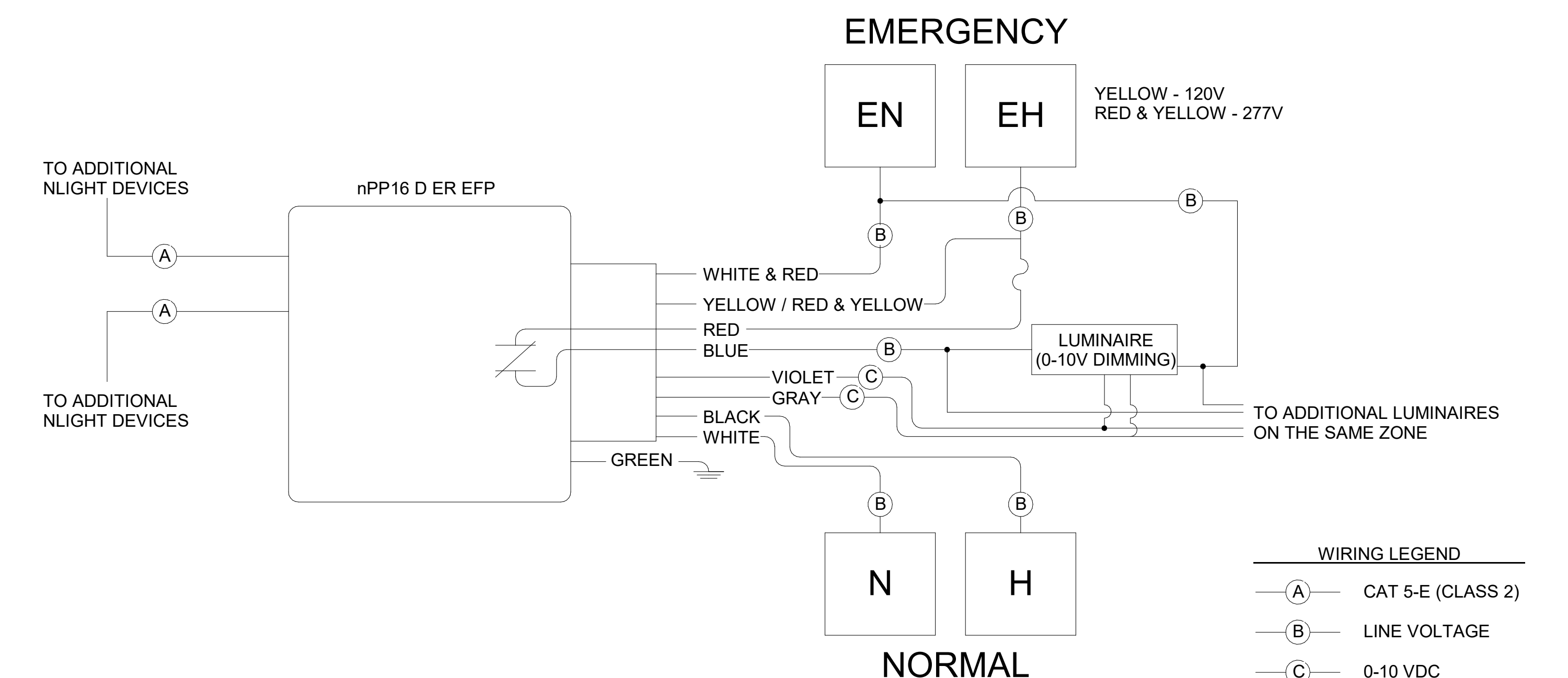
11 TYPICAL WIRING DIAGRAM: NPP16 D EFP  
NO SCALE



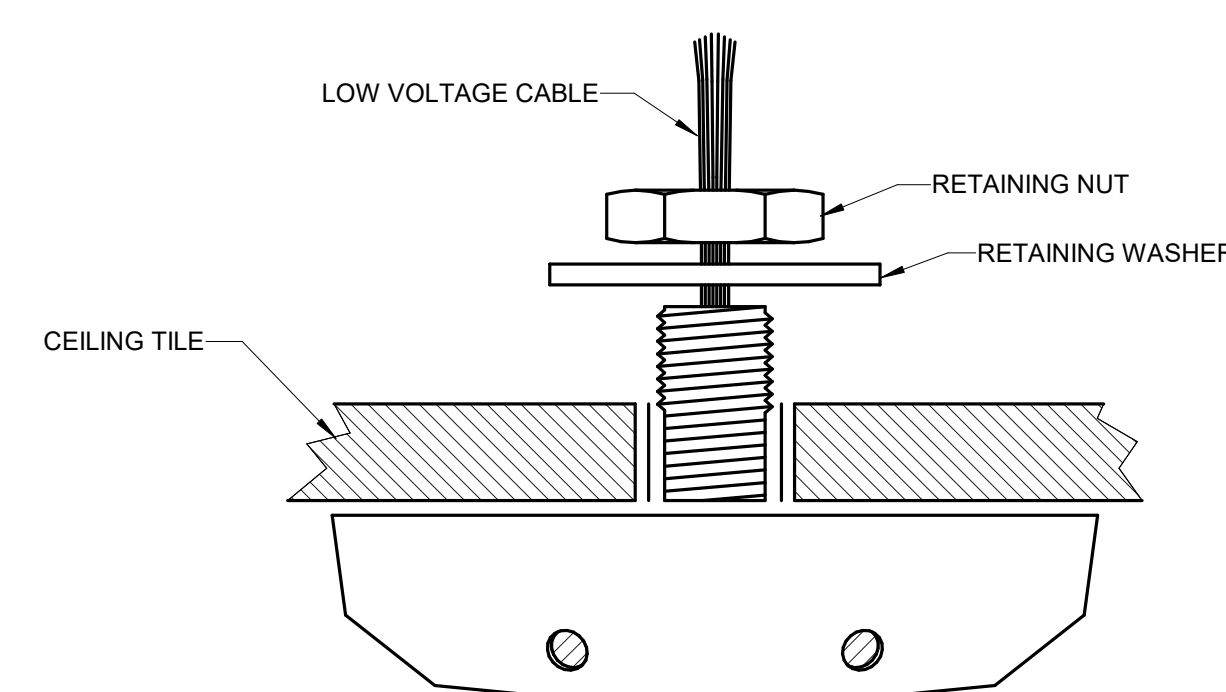
6 SINGLE ZONE SWITCH  
NO SCALE



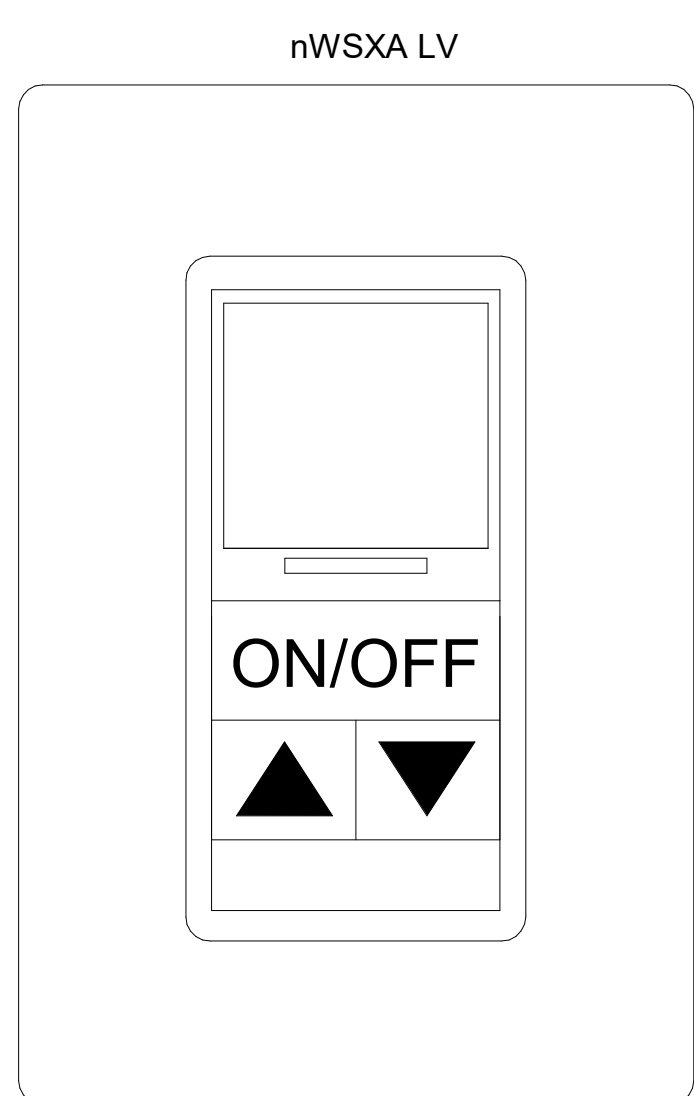
2 MULTI-ZONE DIMMER  
NO SCALE



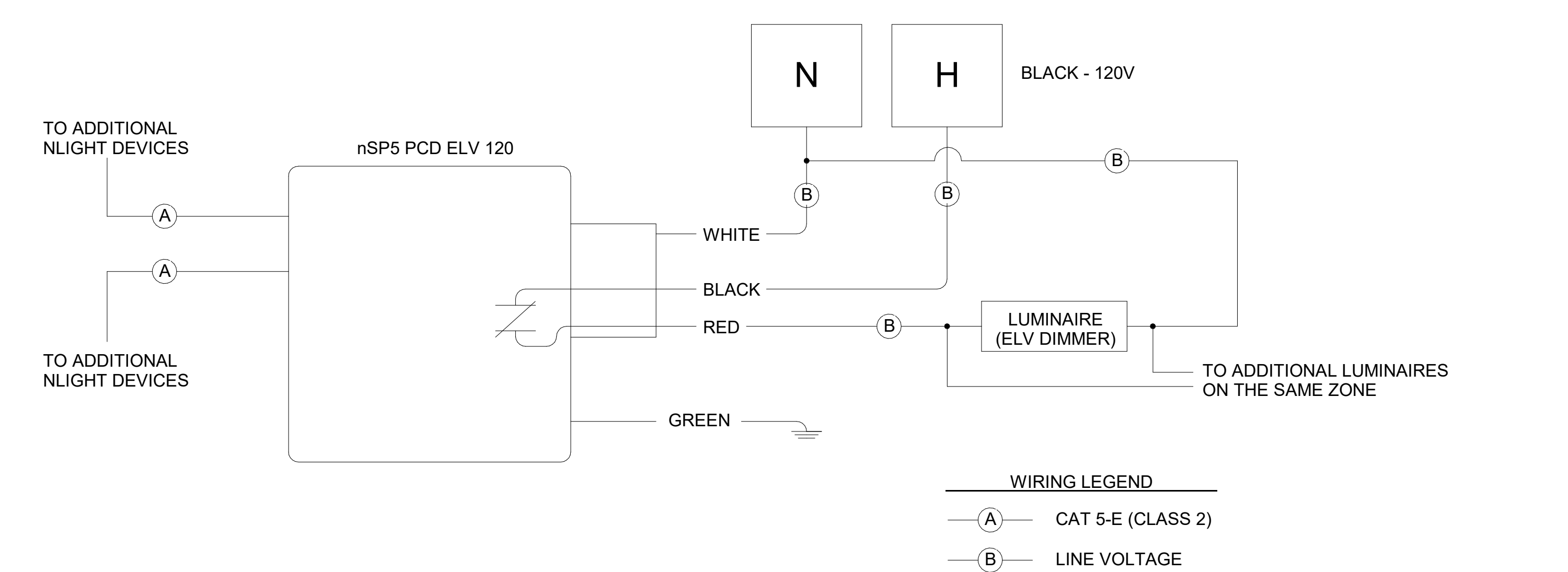
12 TYPICAL WIRING DIAGRAM: NPP16 D ER EFP  
NO SCALE



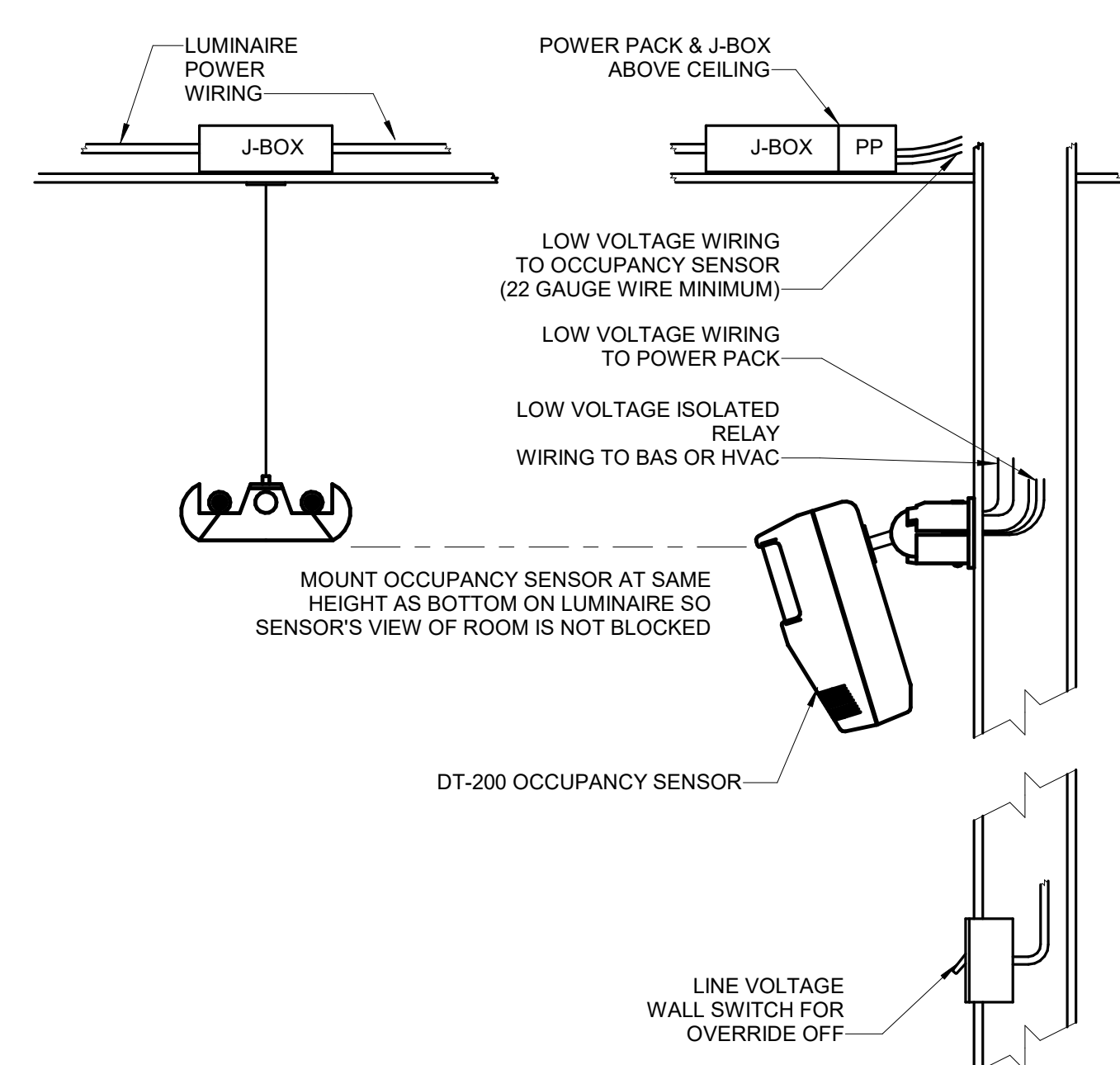
8 SENSOR - CEILING MOUNTED  
NO SCALE



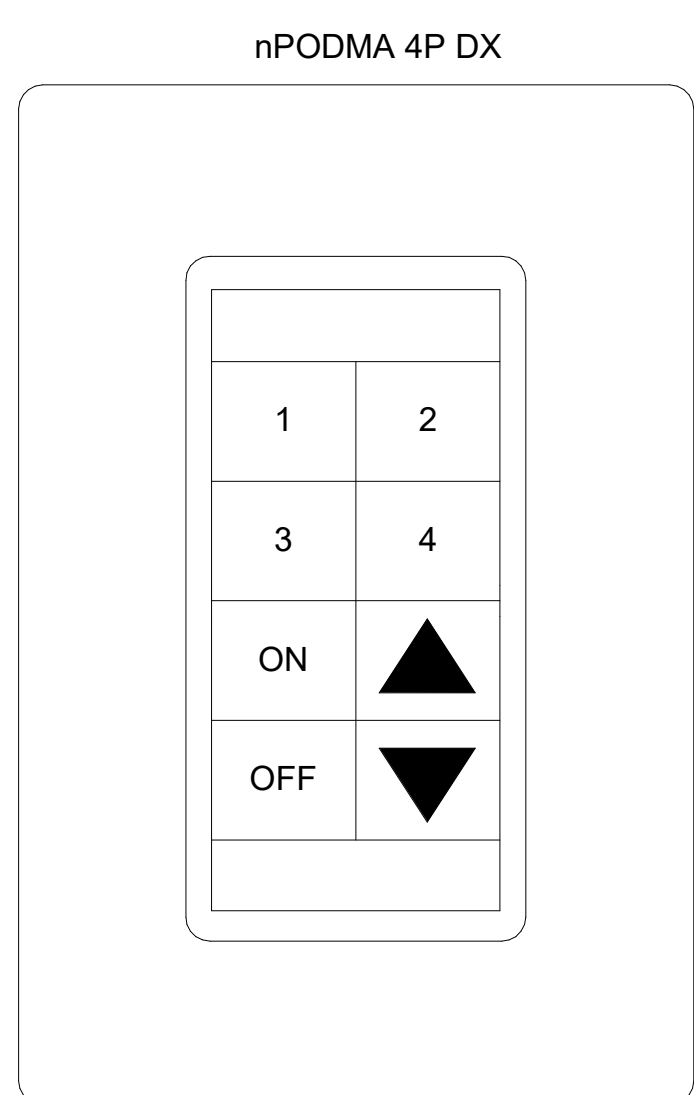
3 OCCUPANCY SENSOR & DIMMER  
NO SCALE



13 TYPICAL WIRING DIAGRAM: NSP5 PCD ELV 120  
NO SCALE



7 SENSOR - WALL MOUNTING  
NO SCALE



4 SCENE SELECTOR & DIMMER  
NO SCALE

Date	Description
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Seal / Signature



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Description  
**ELECTRICAL DETAILS**

Scale  
As indicated