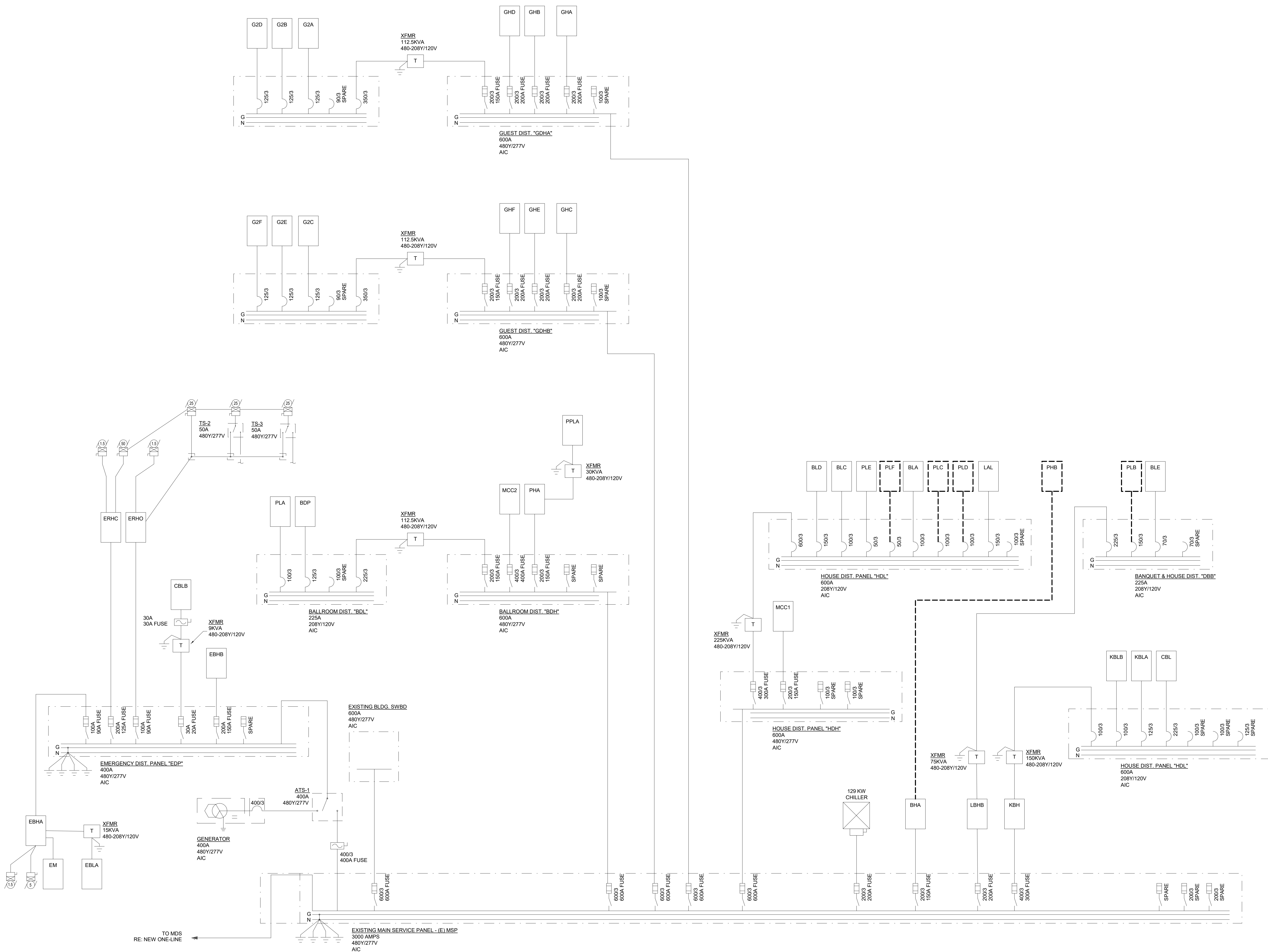


DEMOLITION KEY:
— THIN SOLID LINES ARE EXISTING TO REMAIN SCOPE
----- THICK DASHED LINES IS SCOPE TO BE DEMOLISHED



- 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]

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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 DEMO ONE-LINES

RCRBD
Record Set
Electrical
07/01/2021

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United States
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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

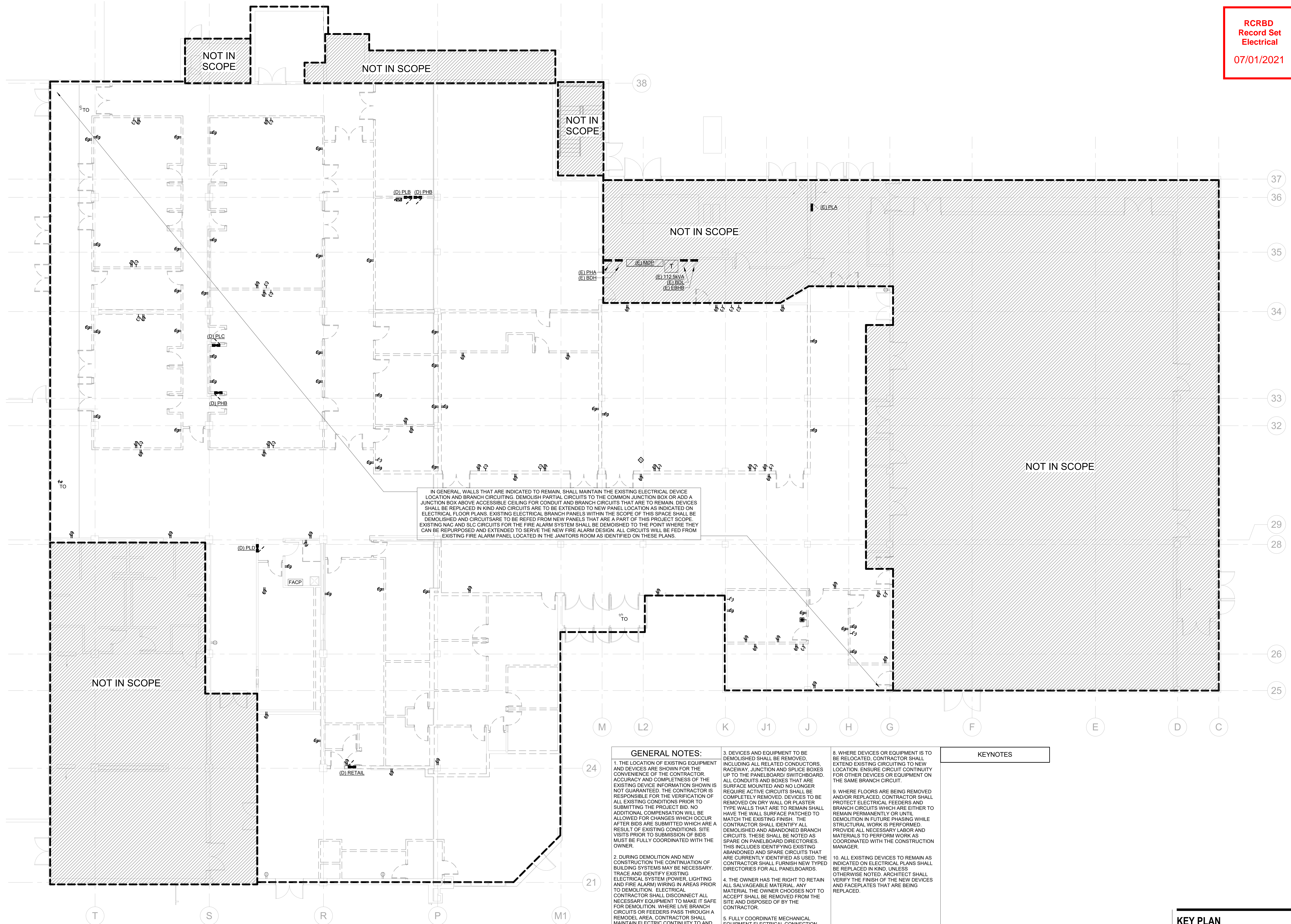
Description
ELECTRICAL DEMOLITION PLAN - LEVEL 01

Scale

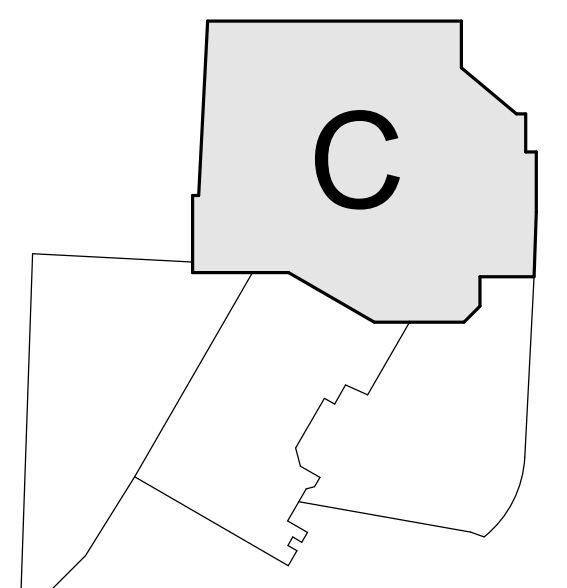
$$1/8'' = 1'-0''$$

1C-DE1.101

© 2018 Gensler

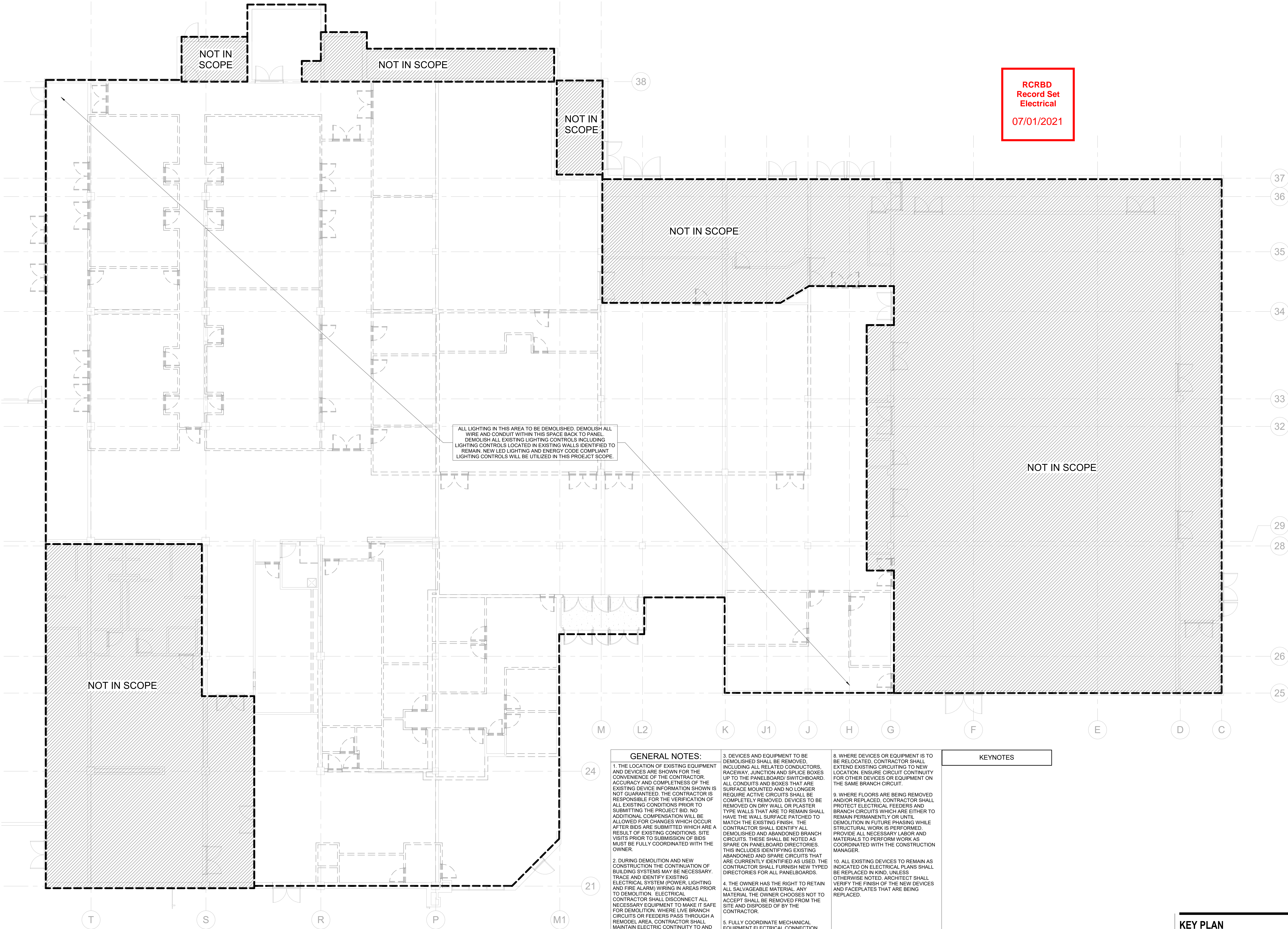


KEY PLAN



1 ELECTRICAL DEMOLITION PLAN - LEVEL 01

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



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 TO DEMOLITION. 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.

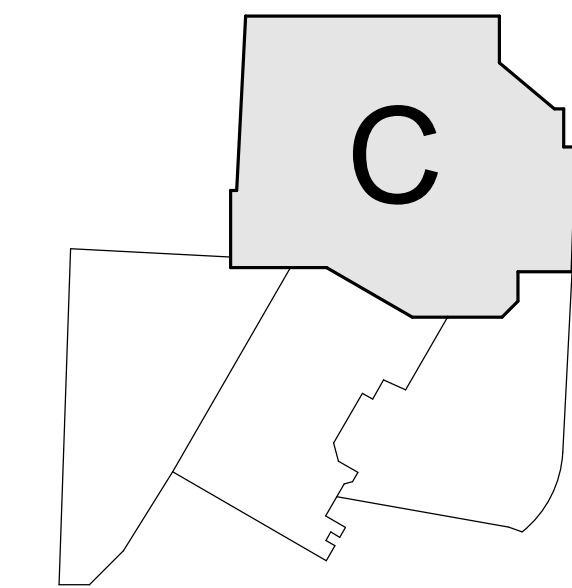
8. WHERE DEVICES OR EQUIPMENT IS TO BE RELOCATED, CONTRACTOR SHALL EXTEND EXISTING CIRCUITING TO NEW LOCATION. ENSURE CIRCUIT CONTINUITY FOR OTHER DEVICES OR EQUIPMENT ON THE SAME BRANCH CIRCUIT.

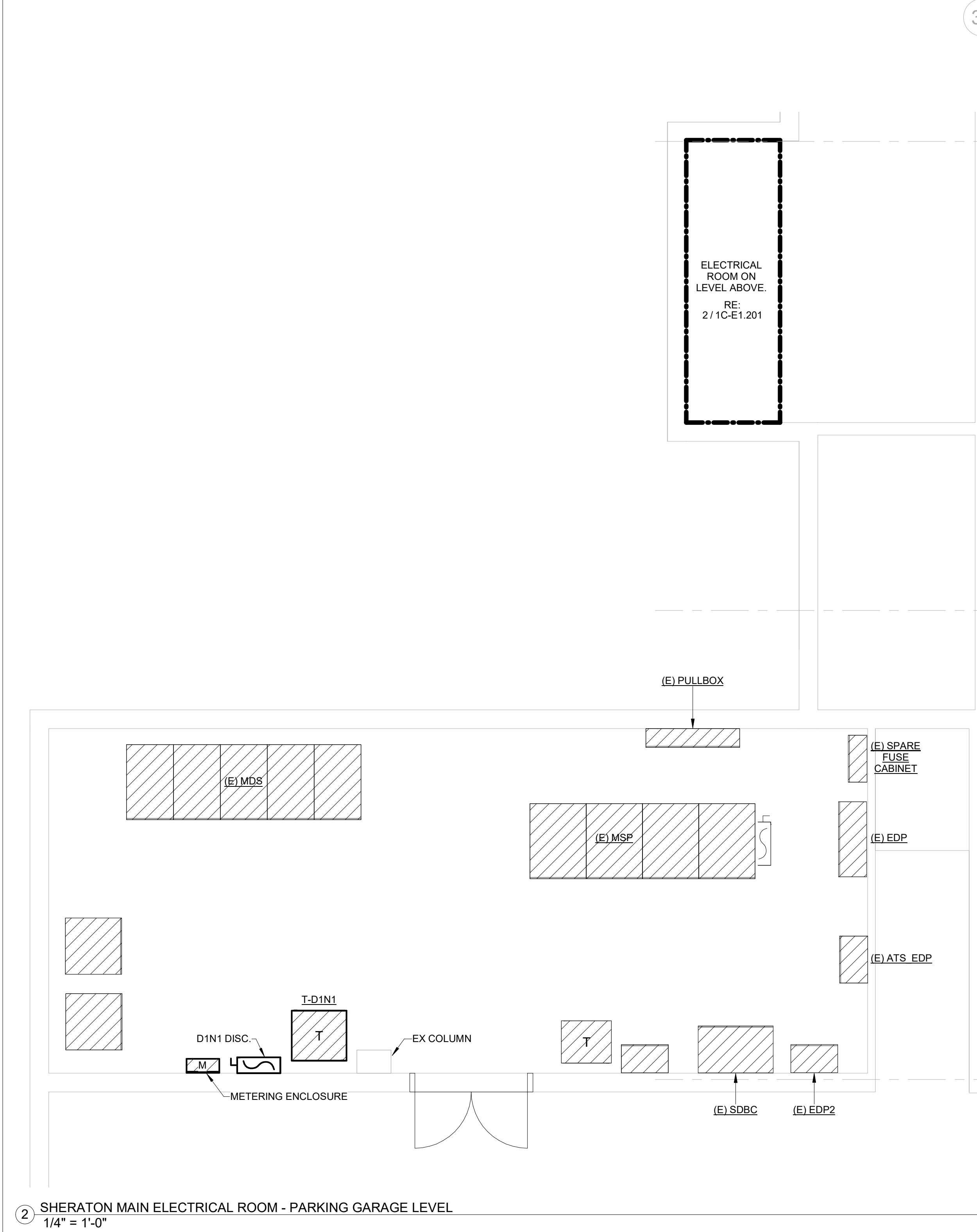
9. WHERE FLOORS ARE BEING REMOVED AND/OR REPLACED, CONTRACTOR SHALL PROTECT ELECTRICAL FEEDERS AND BRANCH CIRCUITS WHICH ARE EITHER TO REMAIN PERMANENTLY OR UNTIL DEMOLITION IN FUTURE PHASING WHILE STRUCTURAL WORK IS PERFORMED. PROVIDE ALL NECESSARY LABOR AND MATERIALS TO PERFORM WORK AS COORDINATED 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

KEY PLAN





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	(#6 CU) 3/4"	42	50	FN50A		
30	36	50	F50	(#6 CU) 3/4"	83	100	FN100A		
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"	608	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#10.5/10G) 1-1/2"	-	-	-	FN150	1	(4#10.5/10G) 2"	-	-	-
175	F175	1	(3#20.5/6G) 2"	-	-	-	FN175	1	(4#20.5/6G) 2"	-	-	-
200	F200	1	(3#30.5/6G) 2-1/2"	-	-	(3#250.5/6G) 2-1/2"	FN200	1	(4#30.5/6G) 2-1/2"	-	-	(4#250.5/6G) 3-1/2"
225	F225	1	(3#40.5/4G) 2-1/2"	-	-	(3#300.5/4G) 2-1/2"	FN225	1	(4#40.5/4G) 2-1/2"	-	-	(4#300.5/4G) 3-1/2"
250	F250	1	(3#250.5/4G) 2-1/2"	-	-	(3#350.5/4G) 2-1/2"	FN250	1	(4#250.5/4G) 3"	-	-	(4#350.5/4G) 3"
250	-	-	-	-	-	-	FN250A	1	(4#250.5/4G) 3"	-	-	(4#350.5/4G) 3"
250	-	-	-	-	-	-	FD250A	1	(5#250.5/4G) 3"	-	-	(5#350.5/4G) 3"
300	F300	1	(3#350.5/4G) 3"	-	-	(3#500.5/4G) 3"	FN300	1	(4#350.5/4G) 3"	-	-	(4#500.5/4G) 3"
350	F350	1	(3#500.5/3G) 3"	-	-	(3#700.5/3G) 3-1/2"	FN350	1	(4#500.5/3G) 3-1/2"	-	-	(4#700.5/3G) 3-1/2"
400	F400	2	(3#30.5/3G) 2"	-	-	(3#250.5/3G) 2-1/2"	FN400	2	(4#30.5/3G) 2-1/2"	-	-	(4#250.5/3G) 2-1/2"
400	-	-	-	-	-	-	FN400A	2	(4#30.5/10G) 2-1/2"	-	-	(4#250.5/10G) 2-1/2"
400	F400B	1	(3#800.5/3G) 4"	-	-	-	FN400B	1	(4#800.5/3G) 4"	-	-	-
450	-	-	-	-	-	-	FD400B	2	(5#30.5/10G) 2-1/2"	-	-	(5#250.5/10G) 2-1/2"
450	F450	2	(3#40.5/2G) 2-1/2"	-	-	(3#300.5/2G) 2-1/2"	FN450	2	(4#40.5/2G) 2-1/2"	-	-	(4#300.5/2G) 2-1/2"
500	F500	2	(3#250.5/2G) 2-1/2"	-	-	(3#350.5/2G) 2-1/2"	FN500	2	(4#250.5/2G) 3"	-	-	(4#350.5/2G) 3"
500	-	-	-	-	-	-	FN500A	2	(4#250.5/10G) 3"	-	-	(4#350.5/10G) 3"
500	-	-	-	-	-	-	FD500A	2	(5#250.5/10G) 3"	-	-	(5#350.5/10G) 3"
600	F600	2	(3#350.5/1G) 3"	-	-	(3#500.5/1G) 3"	FN600	2	(4#350.5/1G) 3"	-	-	(4#500.5/1G) 3"
700	F700	2	(3#500.5/10G) 3"	-	-	(3#700.5/10G) 3-1/2"	FN700	2	(4#500.5/10G) 3-1/2"	-	-	(4#700.5/10G) 3-1/2"
750	F750	2	(3#500.5/10G) 3"	-	-	(3#700.5/10G) 3-1/2"	-	-	-	-	-	-
800	F800	3	(3#300.5/10G) 3"	-	-	(3#400.5/10G) 3"	FN800	3	(4#300.5/10G) 3"	-	-	(4#400.5/10G) 3"
800	-	-	-	-	-	-	FN800A	3	(4#300.5/20G) 3"	-	-	(4#400.5/20G) 3"
800	F800B	2	(3#600.5/10G) 3-1/2"	-	-	-	FN800B	2	(4#600.5/10G) 4"	-	-	-
800	-	-	-	-	-	-	FD800A	3	(5#300.5/20G) 3"	-	-	(5#400.5/20G) 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.												

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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:

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- PROVIDE FULL BUSSING FOR ALL SPACES INDICATED ON PANEL BOARDS AND DISTRIBUTION BOARDS.
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- 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.



[SET PROJECT ADDRESS PARAMETER & ENERGY SETTINGS IF APPLICABLE]

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ARCHITECTS

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

Seal / Signature



Project Name

Steamboat Base Village
Redevelopment

Project Number

003.7835.000

Description

ELECTRICAL ONE-LINES

Scale

As indicated

1C-E0.001

(E) MDS									
LOCATION: SUPPLY FROM:		VOLTAGE: 480/277 Wye SCCR:				BUS: 4000 A MAIN: 4000 A - MCB			
LOADS SUMMARY	EXIST	LTG	RECPT	MOTOR	MISC.	KITCHEN	ELECTRIC HEAT	EV CHARGE	Load
BP4C: EXISTING LOADS									
EXISTING METERED PEAK LOAD	672101								672101 VA 808 A
BP4C: NEW LOADS									
L1N1		387	34540	27379	15000	73951	8455		159712 VA 192 A
		11320	13136	900					25356 VA 30 A
CONNECTED TOTALS (V-A)	672101	11707	34540	40515	15000	73951	8455		857169 VA 1031 A
DIVERSITY FACTORS	125%	100%	64%	108%	100%	65%	100%		--
DEMAND TOTAL (V-A)	840126	11707	22270	43799	15900	48068	8455		990325 VA 1191 A

D1N1									
LOCATION: ELEVATOR LOBBY 30 SUPPLY FROM: T-D1N1		VOLTAGE: 120/208 Wye SCCR: RE-ONE-LINE				BUS: 500 A MAIN: 500 A - MCB			
LOADS SUMMARY	LTG	RECPT	MOTOR	MISC.	KITCHEN	ELECTRIC HEAT	EV CHARGE	Load	
R1N1			15260	8872	2400	3960	750		31242 VA 87 A
R1N2			3620	5813	6000		7620		23053 VA 64 A
R1N3			14040	3728	6800	7320	85		32160 VA 89 A
K1N1			1620	8966		62671			73257 VA 203 A
CONNECTED TOTALS (V-A)	387	34540	27379	15000	73951	8455		159712 VA 443 A	
DIVERSITY FACTORS	100%	64%	105%	100%	65%	100%		--	--
DEMAND TOTAL (V-A)	387	22270	28802	15000	48068	8455		122982 VA 341 A	

Steamboat Base Village Redevelopment										ME Engineers Inc.										PANEL:		L1N1																	
480/277 Wye 3 Phase, 4 Wire + Gnd. 60Hz. SCCR: RE-ONE-LINE					BUS: 100 A MAINS: MLO GROUND BAR: Copper					OPTIONS:					ENCLOSURE: MOUNTING: FED FROM: LEVEL: LOCATION: ISSUE DATE:					Type 1 Surface (E) MDS LEVEL 2.8 - SHERATON LEVEL 01 ELEVATOR LOBBY 30 [SET PROJECT ISSUE DATE]																			
NOTES: 1. PROVIDE GFPE TYPE CIRCUIT BREAKER.																				REFER TO DETAILS AND SPECIFICATION SECTION FOR PANELBOARD LAMINATED PLAQUE REQUIREMENTS.																			
N	ID	DESCRIPTION				P	OCF	OKT	A	B	C	OKT	OCF	P	DESCRIPTION				ID	N																			
L		KVC EXT. SIGNAGE				1	20	1	215	4379			2	20	3	SP-1				M	--																		
L		KITCHEN & TODDLER NM LTG				1	20	3		1141	4379			4	--					--	--																		
L		CHECK-IN AND SUNDANCE NM LTG				1	20	5			1429	4379	6	--					--	--																			
L		SUNDANCE COVE NM LTG				1	20	7	1855	469			8	20	1	EM LTG - KITCHEN, CORRIDOR, & ELEC				L	--																		
L		SUNDANCE PER LTG. BOH & OFFICES NM LTG				1	20	9		1042	458			10	20	1	EM LTG - CHECK-IN, TODDLER, TWOS ROOMS				L	--																	
L		OFFICES LOUNGE & 161 ENTRY K. 163 NM LTG				1	20	11			1549	207	12	20	1	EM LTG - PALSMAYS & SERVICE CORR./FOYER				L	--																		
L		LOCKER STORAGE & RESTROOMS NM LTG				1	20	13	947	348				14	20	1	EM LTG - LOCKER/STORAGE				L	--																	
1	X	LAUNDRY K. 116 HEAT TRACE				1	20	15		900	332			16	20	1	EM LTG - LOCKER/STORAGE & RR				L	--																	
--	--	SPARE				1	20	17				0	380	18	20	1	EM LTG - LOUNGE & ENTRY				L	--																	
--	--	SPARE				1	20	19	0	389				20	20	1	EM LTG - OFFICES & GIRLS & BOYS RR				L	--																	
--	--	SPARE				1	20	21			0	320			22	20	1	EM LTG - SUNDANCE				L	--																
--	--	SPARE				1	20	23					0	240	24	20	1	EM LTG - SUNDANCE				L	--																
--	--	SPARE				1	20	25	0	0								SPARE				--	--																
--	--	SPARE				1	20	27			0	0			28	20	1	SPARE				--	--																
--	--	SPARE				1	20	29					0	0	30	20	1	SPARE				--	--																
--	--	SPARE				3	20	31	0	0					32	20	1	SPARE				--	--																
--	--	SPARE				--	--	--	33						34	20	1	SPARE				--	--																
--	--	SPARE				--	--	--	35				0	0	36	20	1	SPARE				--	--																
--	--	SPARE				3	20	37	0	0					38	20	1	SPARE				--	--																
--	--	SPARE				--	--	--	39						40	20	1	SPARE				--	--																
--	--	SPARE				--	--	--	41					0	0	42	20	1	SPARE				--	--															
PER PHASE VA WITH DOWNSTREAM LOADS										LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED																													
PHASE		A		B		C		TOTALS		CATEGORY		CONNECTED		FACTOR		CALC. V-A		AMPS @ 480/277 Wye																					
CALC		9716		9861		9243		28640		LIGHTING		11320		100%		11320		14																					
CMCTD		8602		8571		8183		25356		RECEPTACLE																													
DOWNSTREAM FEED THROUGH LUG PANELS										MOTOR		13136		125%		16420		20																					
										MISCELLANEOUS		900		100%		900		1																					
CONDUCTOR COLORS (EC TO LABEL IN PANEL)										ELECTRIC HEAT																													
208Y/120										480Y/277										EV CHARGING																			
BLACK										BROWN										EXISTING LOAD																			
RED										ORANGE																													
BLUE										YELLOW																													
WHITE										WHITE/GRAY STRIPE																													
GREEN										GREEN																													
TOTAL										25356										28640										34									

Steamboat Base Village Redevelopment							ME Engineers Inc.				PANEL:		K1N1			
120/208 Wye							BUS: 250 A				ENCLOSURE		Type 1			
3 Phase, 4 Wire + Gnd. 60Hz.							MAINS: MLO				MOUNTING		Type 1			
SCCR: RE-ONE-LINE							GROUND BAR: Copper				FED FROM:		D1N1			
OPTIONS:											LEVEL:		LEVEL 2.8 - SHERATON LEVEL 01			
NOTES:											LOCATION:		IT 44			
1. PROVIDE GFCI TYPE BREAKER											ISSUE DATE:		[SET PROJECT ISSUE DATE]			
2. PROVIDE LOCKABLE TYPE BREAKER											REFER TO DETAILS AND SPECIFICATION SECTION FOR PANELBOARD LAMINATED PLAQUE REQUIREMENTS.					
N	ID	DESCRIPTION	P	OCF	CKT	A	B	C	CKT	OCF	P	DESCRIPTION	ID	N		
1	R	KITCHEN CONV RECS	1	20	1	900	1920		2	20	1	FS-24/24.1 WALK-IN COOLER/FREEZER	K	2		
2	K	FS-7 KETTLE, GAS, TILTING	1	20	3		120	2063		4	45	2	ROOFTOP - WALK-IN FREEZER CONDENSOR	K	2	
2	K	FS-8 CONVECTION OVEN, GAS	1	20	5			960	2063	6	20	2	FS-24.3 WALK-IN FREEZER EVAPORATOR	K	--	
2	K	FS-6 COMBI OVEN, GAS	2	20	7	450	1435			8	20	2	FS-24.3 WALK-IN FREEZER EVAPORATOR	K	--	
--	--	--	--	--	9			450	1435	10	--	--	--	--	--	
2	K	FS-6/6.1 - EXHAUST HOOD	1	20	11			1920	1598	12	20	2	ROOFTOP - WALK-IN REFRIGERATOR CONDENSOR	K	2	
2	K	FS-21 DISHWASHER	3	80	13	6600	1598			14	--	--	--	--	--	
--	--	--	--	--	15			6500	384	16	20	1	FS-24.2 WALK-IN REFRIGERATOR EVAPORATOR	K	2	
--	--	--	--	--	17			6600	1920	18	20	1	FS-24/24.1 WALK-IN COOLER/FREEZER	K	--	
1	K	FS-15 REACH-IN REFRIGERATOR	1	20	19	720	720			20	20	1	KITCHEN OFFICE RECS	K	2	
1	K	FS-25 MOBILE HEATED CABINET	1	20	21			1920	960	22	20	1	FS-8 CONVECTION OVEN, GAS	K	1	
2	K	FS-25 SODA & ICE BEVERAGE DISPENSER	1	20	23					24	20	1	FS-8.1 - FRYER	K	1	
1	K	FS-29.1 HEATED HOLDING PROOFING CABINET	1	20	25	1920	756			26	20	1	FS-9.1 - FRYER	K	1	
2	K	FS-40 GARBAGE DISPOSAL	2	20	27			1061	1920	28	20	1	FS-6/6.1 - EXHAUST HOOD	K	--	
--	--	--	--	--	29					30	20	2	SPARE	K	--	
2	K	FS-25 SODA & ICE BEVERAGE DISPENSER	1	20	31	420	0			32	--	--	--	--	--	
2	K	FS-26 COFFEE BREWER	2	20	33			1768	0	34	20	2	SPARE	K	--	
--	--	--	--	--	35					36	--	--	--	--	--	
1	K	FS-27 BEVERAGE DISPENSER (HOT)	1	20	37	1800	1897			38	30	3	GEF 2.01	M	--	
1	K	FS-14 REACH-IN REFRIGERATOR	1	20	39			252	1897	40	--	--	--	--	--	
1	K	RETRACTABLE DROP CORD TABLETOP RECS	1	20	41					42	1440	1897	42	CH-1.02 - JAN K. 168	E	--
1	K	FS-40 FOOD SLICER, ELECTRIC	1	20	43	360	925			44	24	30	3	MJUA 2.01	M	--
2	K	FS-13 ICE MAKER	2	20	45			1300	925	46	--	--	--	--	--	
--	--	--	--	--	47					48	--	--	--	--	--	
--	--	--	--	--	49					50	20	1	SPARE	--	--	
1	M	ADA OPERATOR KITCHEN K.111	1	20	49	500	0			52	20	1	SPARE	--	1	
1	K	FS-47 - SODA CO2 DISPENSER	1	20	51			600	0	52	20	1	SPARE	--	1	
1	K	FS-44 - GRIDDLE	1	20	53				600	0	54	20	1	SPARE	--	1
1	K	FS-14 REACH-IN REFRIGERATOR	1	20	55	255	0			56	20	1	SPARE	--	1	
--	--	--	--	--	57					58	20	1	SPARE	--	1	
--	--	--	--	--	59					60	20	1	SPARE	--	1	
PER PHASE VA WITH DOWNSTREAM LOADS			LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED													
PHASE	A	B	C	TOTALS	CATEGORY	CONNECTED	FACTOR	CALC. V-A	AMPS @ 120/208 Wye							
CALC	16686	17463	18556	52745	LIGHTING	1620	100%	1620	4							
CMCTD	23176	24254	25827	73257	RECEPTACLE	9866	116%	10389	29							
DOWNSTREAM FEED THROUGH LUG PANELS																

Steamboat Base Village Redevelopment										ME Engineers Inc.										PANEL: R1N1					
120/208 Wye 3 Phase, 4 Wire + Gnd. 60Hz. SCCR: RE-ONE-LINE										BUS: 150 A MAINS: MLO GROUND BSB: Copper										ENCLOSURE: MOUNTING: FED FROM: LEVEL: TYPE 1 Surface					
NOTES: 1) PROVIDE GFI TYPE BREAKER 2) PROVIDE BREAKER 16K FOR PREWIRED OFFICE FURNITURE FEED										OPTIONS: REFER TO DETAILS AND SPECIFICATION SECTOR FOR PANELBOARD LAMINATED PLAQUE REQUIREMENTS										LEVEL: LEVEL 28 - SHERATON LEVEL 01 LOCATION: ELEVATOR LOBBY 30 ISSUE DATE: [SET PROJECT ISSUE DATE]					
N		ID		DESCRIPTION		P		OCT		A		B		C		OCT		P		DESCRIPTION		ID		N	
R		CORRIDOR K 112 & TODDLER K 104 RCPT		1		20		1		540		1200				2		20		E12 BOTTLE WARMER TODDLER K 104		X		R	
R		LOWER GARDEN BED ROOM RCPT		1		20		3						190		1200		4		E12 BOTTLE WARMER TWOS K 110		X		R	
R		CHECK IN K 102 FLOOR BONES		1		20		5						1080		900		6		E12 BOTTLE WARMER TWOS K 110		X		R	
R		CHECK IN K 102 REC RECEPTALS		1		20		7		720		360						8		E12 PALMSAWS K 117 MOP SINK RCPTS		X		R	
M		TF-102		1		20		9						240		720		10		E12 PALMSAWS K 117 RCPTS		X		R	
M		TF-106		1		20		11						528		1080		12		E12 PALMSAWS K 117 DEC AC RCPT		X		R	
R		TODDLER K 104 & TWOS K 116 AC RCPT		1		20		13		360		180						14		E12 PALMSAWS K 117 DEC AC RCPT		X		R	
K		E4-UC REF TODDLER K 104		1		20		15				480		480		840		16		E12 MCHWAVE PALMSAWS K 117		X		K	
K		E4-UC REF TWOS K 110		1		20		17						480		180		18		E12 PALMSAWS K 117 DEC AC RCPT		X		R	
R		FEEB BETTER K 121 RCPTS		1		20		19				180						20		E12 FEEB BETTER K 121 DEC. RCPT		X		R	
R		EEL MICROWAVE TODDLER K 104		1		20		21				840		400				22		E12 WORKPLACE K 120 FURNITURE FEED		X		R	
R		E37 MICROWAVE TWOS K 110		1		20		23						840		500		24		E12 WORKPLACE K 120 FURNITURE FEED		X		R	
R		TWOS K 110 RECEPTALS		1		20		25		720		500						26		E12 WORKPLACE K 120 FURNITURE FEED		X		R	
R		SUNDANCE K 113 RECEPTALS		1		20		27				900		500				28		E12 WORKPLACE K 120 FURNITURE FEED		X		R	
R		SUNDANCE K 113 LAUNDRY RCPTS		1		20		29								1080		30		E12 CH-15		X		R	
R		SKI STORAGE K 115 RCPTS		1		20		31		720		480						32		E12-8 UC OPER K PALMSAWS K 117		X		K	
M		LAUNDRY WASHER		1		20		33				1320		500				34		E12 ADA OPERATOR K 101		X		M	
M		LAUNDRY DRYER		1		20		35						2382		500		36		E12 ADA OPERATOR K 101		X		M	
--		--		1		20		37		2382		500						38		E12 ADA OPERATOR VEST K 114		X		--	
R		LAUNDRY K 116 GFCI AC RCPT		1		20		39				180		500				40		E12 ADA OPERATOR VEST K 114		X		R	
R		LAUNDRY K 116 GFCI AC RCPT		1		20		41						180		400		42		E12 WORKCHECK-IN K102 TV		X		R	
R		SUNDANCE AC TR RCPTS		1		20		43		720		540						44		E12 NAP ROOM RECEPTS K 105K-107		X		R	
E		CH-1 01		1		20		45				85		0		0		46		E12 --		X		--	
R		ELEC RM, CORRIDOR, NAP RM RCPTS		1		20		47						720		0		48		E12 --		X		R	
--		SPARE		1		20		49		0		0		0		0		50		E12 --		X		--	
--		SPARE		1		20		51		0		0		0		0		52		E12 --		X		--	
--		SPARE		1		20		53										54		E12 --		X		--	
--		SPARE		1		20		55		0		0		0		0		56		E12 --		X		--	
--		SPARE		1		20		57										58		E12 --		X		--	
--		SPARE		1		20		59										60		E12 --		X		--	
PER PHASE VA WITH DOWNSTREAM LOADS										LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDING															
PHASE		A		B		C		TOTALS		CATEGORY		CONNECTED		FACTOR		CALC. V.A.		AMPS @ 120/208 VWS							
CALC		9854		8983		10485		28422		LIGHTING		15290		83%		12630		35							
CONC'D		10832		8985		11925		28422		RECEPTOR		8872		113%		10068		28							
--		--		--		--		--		MISCELLANEOUS		2400		100%		2400		7							
--		--		--		--		--		ITCHEN		3960		65%		2574		7							
--		--		--		--		--		ELECTRIC HEAT		750		100%		750		2							
CONDUCTOR COLORS (EC TO LABEL IN PANEL)										EVS CHARGING															
208V/120V		208V/120V		208V/120V		208V/120V		208V/120V		EXISTING LOAD															
A		BLACK		BROWN		BROWN		BROWN																	
B		RED		RED		RED		RED																	
C		BLUE		YELLOW		YELLOW		YELLOW																	
N		WHITE		WHITE		WHITE		WHITE																	
G		GREEN		GREEN		GREEN		GREEN		TOTAL		31242		28422		28422		79							

ELECTRICAL EQUIPMENT CONNECTION SCHEDULE												
GENERAL NOTES: 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.						REMARK NOTES: 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"		

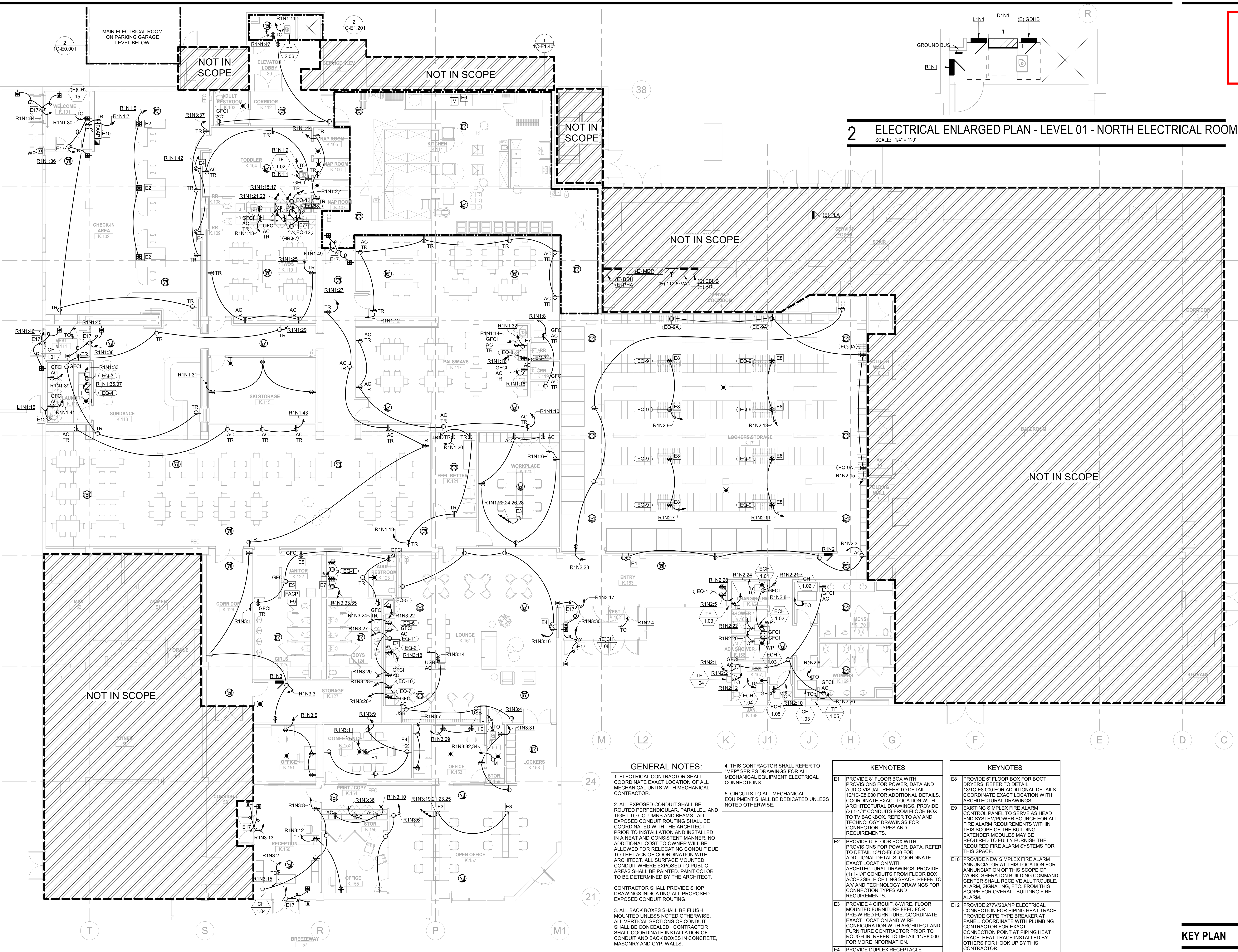
LED													
Type	Lamp	Description	Finish	Voltage	Mounting	Manufacturer	Catalog Number	Alternate 1	Alternate 2	Control	Location	Comments	
L1	21W LED, 3000 LUMENS PER 4 FEET OF FIXTURE, 3500K, 80+ CRI, 50,000+ HOURS	LED STRIPLIGHT WITH DIFFUSE LENS, PROVIDE SURFACE OR PENDANT MOUNT SUPPORTS PER MOUNTING 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-(B46LMP-510LMP-DARK 120-277 DCT 24F CD41	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-SV4-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-SQ-UNV-DM01 D514	AXIS LIGHTING BEAM 4 PERIMETER	LUMENWERX VIA PERIMETER	0-10V DIMMING	ABOVE COUNTER		
L12	150W MAX, 3500K, SCREW IN LED	14 INCH DIAMETER REFLECTOR WITH WOODEN TOP AND METALIC 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
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	

RCRBD
Record Set
Electrical

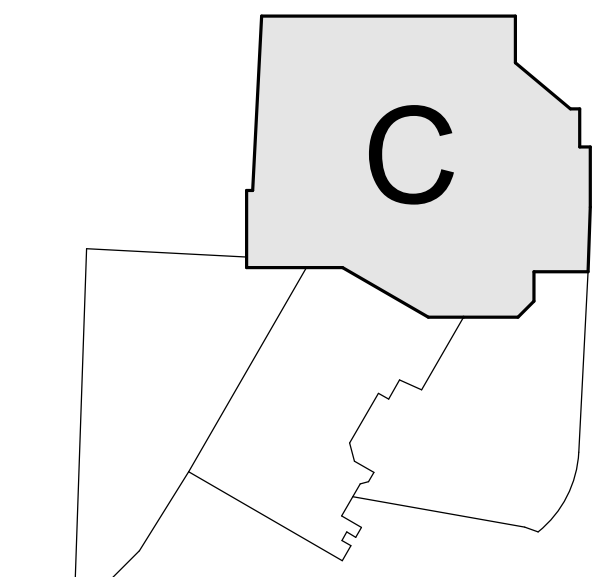
07/01/2021

1 ELECTRICAL PLAN - LEVEL 01
SCALE: 1/8" = 1'-0"



GENERAL NOTES:		KEYNOTES	
1. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR.		E1	PROVIDE 8" FLOOR BOX WITH PROVISIONS FOR POWER, DATA AND AUDIO VISUAL. REFER TO DETAIL 1211C-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.
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.		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.
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.		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.
4. THIS CONTRACTOR SHALL REFER TO "MEP" SERIES DRAWINGS FOR ALL MECHANICAL EQUIPMENT ELECTRICAL CONNECTIONS.		E4	PROVIDE DUPLEX RECEPTACLE LOCATED WITHIN TV BACKBOX. COORDINATE EXACT REQUIREMENTS WITH TECHNOLOGY AND AV DRAWINGS AND INSTALLER.
5. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.		E5	REPLACE EXISTING DEVICE WITH NEW GFCI RECEPTACLE. UTILIZE EXISTING CIRCUITING.
CONTRACTOR SHALL PROVIDE SHOP DRAWINGS INDICATING ALL PROPOSED EXPOSED CONDUIT ROUTING.		E6	PROVIDE FIRE ALARM INPUT MODULE FOR INTERFACE WITH KITCHEN HOOD AND ASSOCIATED ANSUL FIRE PROTECTION SYSTEM.
		E7	PROVIDE GFCI TYPE BREAKER AT PANEL.

KEY PLAN



RCRBD
Record Set
Electrical
07/01/2021

Steamboat
ALTRRA east west partners
MOUNTAIN COMPANY
[SET PROJECT ADDRESS PARAMETER & ENERGY SETTINGS IF APPLICABLE]

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

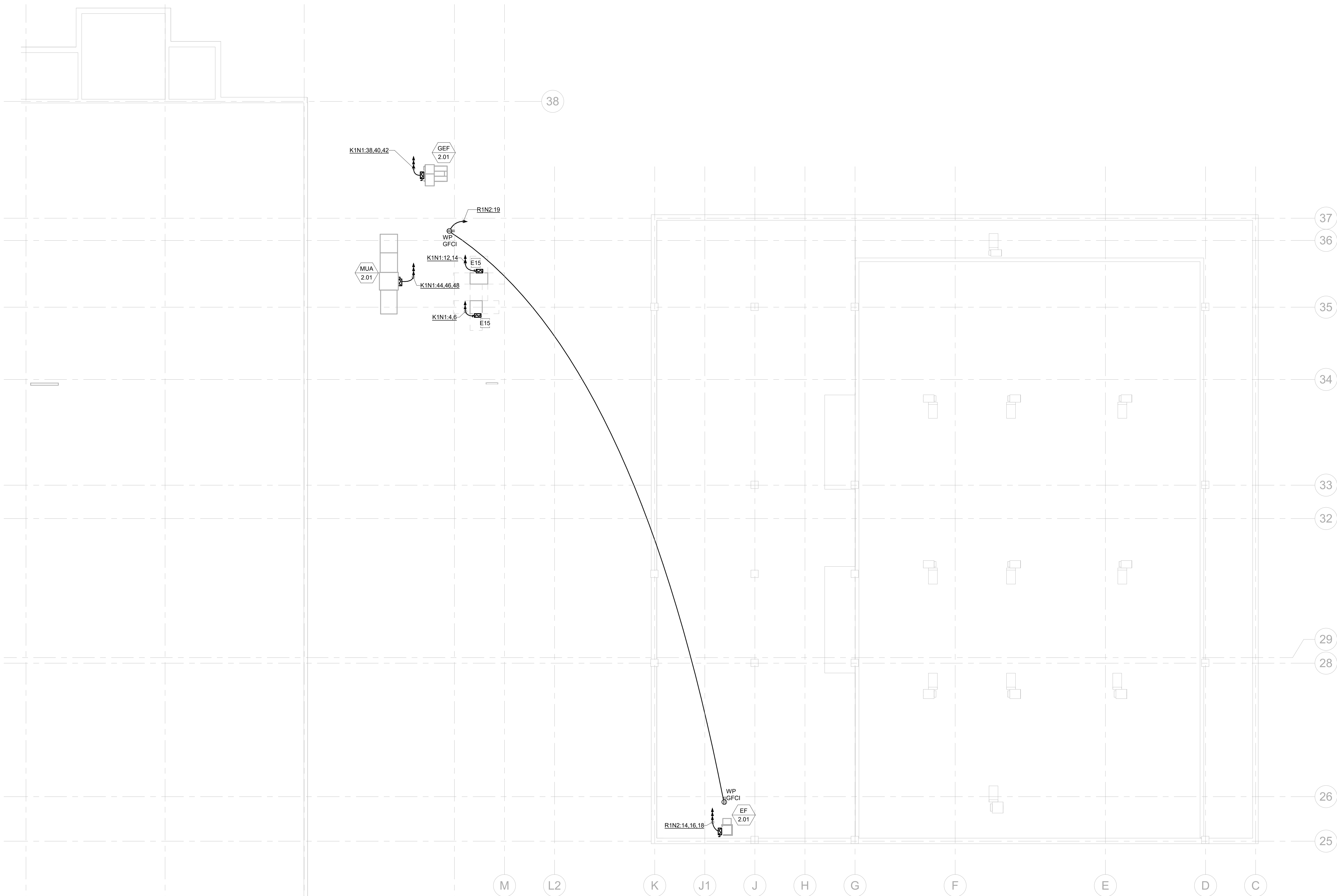
Seal / Signature



Project Name
**Steamboat Base Village
Redevelopment**
Project Number
003.7835.000
Description
ELECTRICAL PLAN - LEVEL 01

Scale
As indicated

1C-E1.201



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.

RCRBD
Record Set
Electrical
07/01/2021

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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

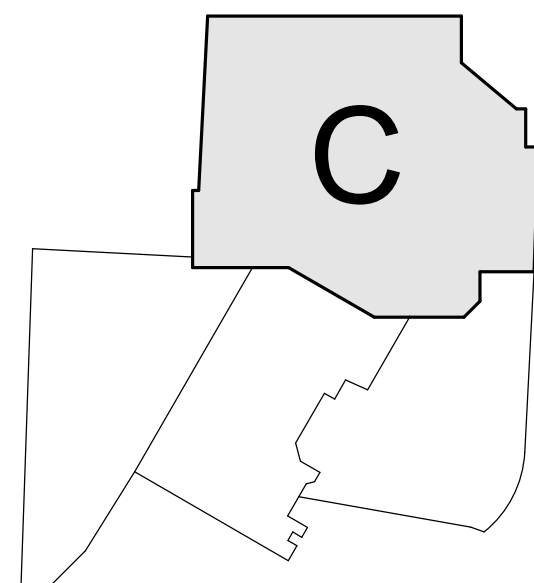
Project Number
003.7835.000

Description
ELECTRICAL PLAN - LEVEL 02

Scale
1/8" = 1'-0"

1C-E1.202

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

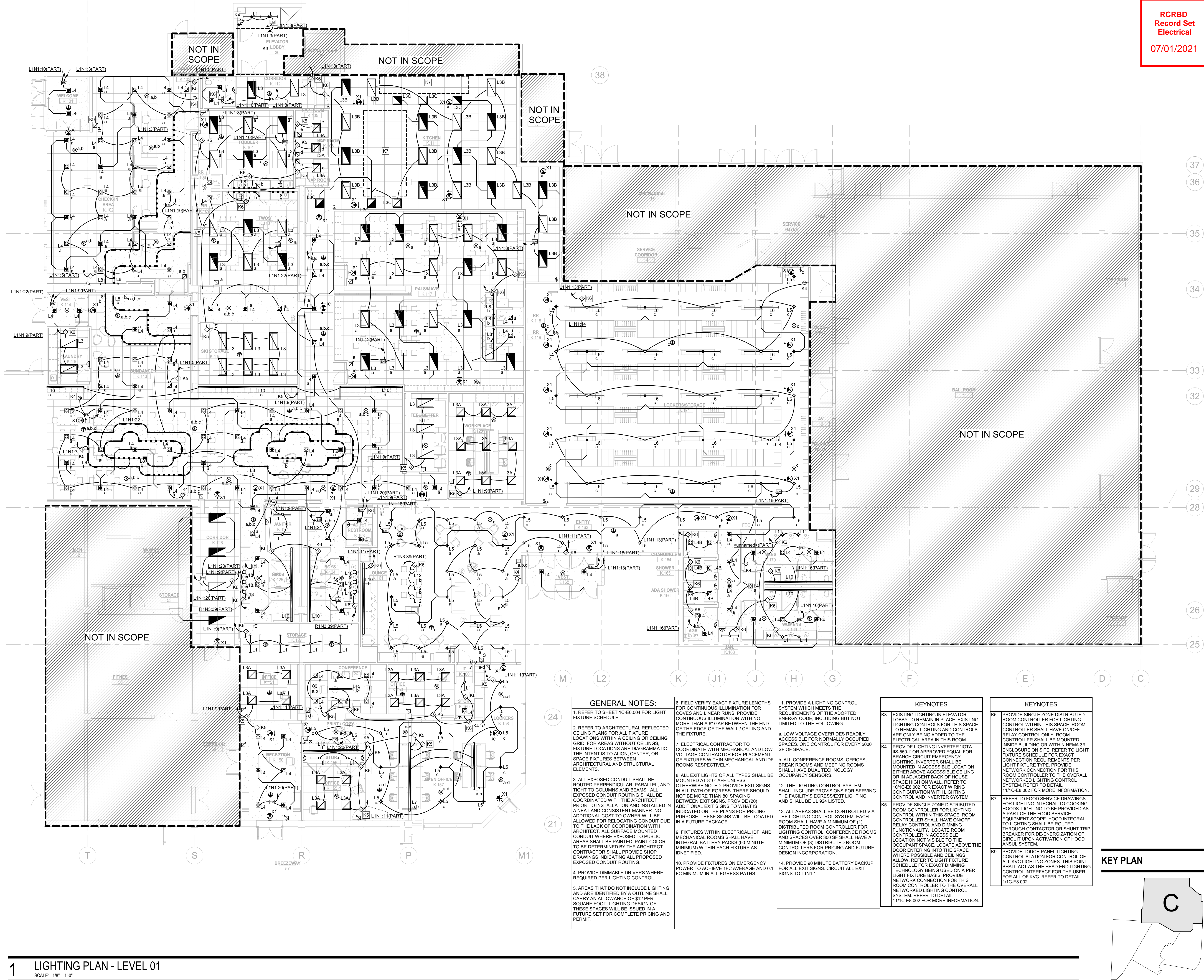
Description

LIGHTING PLAN - LEVEL 01

Scale

1/8" = 1'-0"

1C-E1.301



GENERAL NOTES:

1. REFER TO SHEET 1C-E0.004 FOR LIGHT FIXTURE SCHEDULE.
2. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ALL FIXTURE LOCATIONS WITHIN A CEILING OR CEILING GRID. FOR AREAS WITHOUT CEILINGS, FIXTURE LOCATIONS ARE DIAGRAMMATIC. THE INTENT IS TO ALIGN, CENTER, OR SPACE FIXTURES BETWEEN ARCHITECTURAL AND STRUCTURAL ELEMENTS.
3. 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.
4. PROVIDE DIMMABLE DRIVERS WHERE REQUIRED PER LIGHTING CONTROL.
5. AREAS THAT DO NOT INCLUDE LIGHTING AND ARE IDENTIFIED BY A OUTLINE SHALL CARRY AN ALLOWANCE OF \$12 PER SQUARE FOOT. LIGHTING DESIGN OF THESE SPACES WILL BE ISSUED IN A FUTURE SET FOR COMPLETE PRICING AND PERMIT.

6. FIELD VERIFY EXACT FIXTURE LENGTHS FOR CONTINUOUS ILLUMINATION FOR COVES AND LINEAR RUNS. PROVIDE CONTINUOUS ILLUMINATION WITH NO MORE THAN A 6" GAP BETWEEN THE END OF THE EDGE OF THE WALL / CEILING AND THE FIXTURE.
7. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL AND LOW VOLTAGE CONTRACTOR FOR PLACEMENT OF FIXTURES WITHIN MECHANICAL AND IDF ROOMS RESPECTIVELY.
8. ALL EXIT LIGHTS OF ALL TYPES SHALL BE MOUNTED AT 8'-0" AFF UNLESS OTHERWISE NOTED. PROVIDE EXIT SIGNS IN ALL PATH OF EGRESS. THERE SHOULD NOT BE MORE THAN 80' SPACING BETWEEN EXIT SIGNS. PROVIDE (20) ADDITIONAL EXIT SIGNS TO WHAT IS INDICATED ON THE PLANS FOR PRICING PURPOSE. THESE SIGNS WILL BE LOCATED IN A FUTURE PACKAGE.
9. FIXTURES WITHIN ELECTRICAL IDF AND MECHANICAL ROOMS SHALL HAVE INTEGRAL BATTERY PACKS (90-MINUTE MINIMUM) WITHIN EACH FIXTURE AS IDENTIFIED.
10. PROVIDE FIXTURES ON EMERGENCY POWER TO ACHIEVE 1FC AVERAGE AND 0.1 FC MINIMUM IN ALL EGRESS PATHS.

11. PROVIDE A LIGHTING CONTROL SYSTEM WHICH MEETS THE REQUIREMENTS OF THE ADOPTED ENERGY CODE, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
a. LOW VOLTAGE OVERRIDES READILY ACCESSIBLE FOR NORMALLY OCCUPIED SPACES. ONE CONTROL FOR EVERY 5000 SF OF SPACE.
b. ALL CONFERENCE ROOMS, OFFICES, BREAK ROOMS AND MEETING ROOMS SHALL HAVE DUAL TECHNOLOGY OCCUPANCY SENSORS.
12. THE LIGHTING CONTROL SYSTEM SHALL INCLUDE PROVISIONS FOR SERVING THE FACILITY'S EGRESS/EXIT LIGHTING AND SHALL BE UL 924 LISTED.
13. ALL AREAS SHALL BE CONTROLLED VIA THE LIGHTING CONTROL SYSTEM. EACH ROOM SHALL HAVE A MINIMUM OF (1) DISTRIBUTED ROOM CONTROLLER FOR LIGHTING CONTROL. CONFERENCE ROOMS AND SPACES OVER 300 SF SHALL HAVE A MINIMUM OF (3) DISTRIBUTED ROOM CONTROLLERS FOR PRICING AND FUTURE DESIGN INCORPORATION.
14. PROVIDE 90 MINUTE BATTERY BACKUP FOR ALL EXIT SIGNS. CIRCUIT ALL EXIT SIGNS TO L1N1.1.

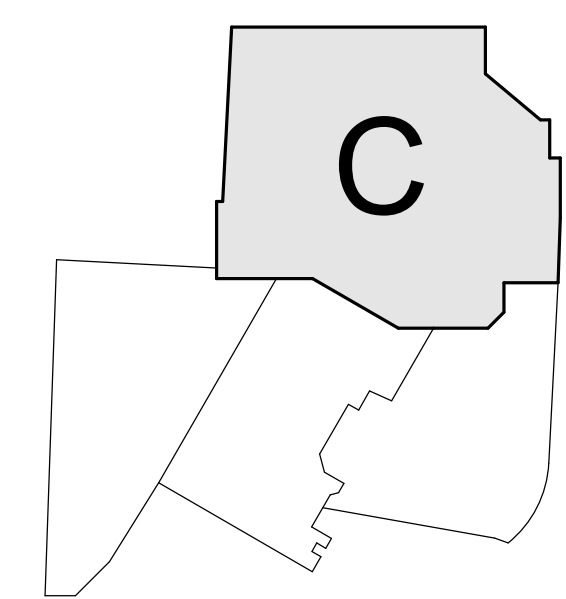
KEYNOTES

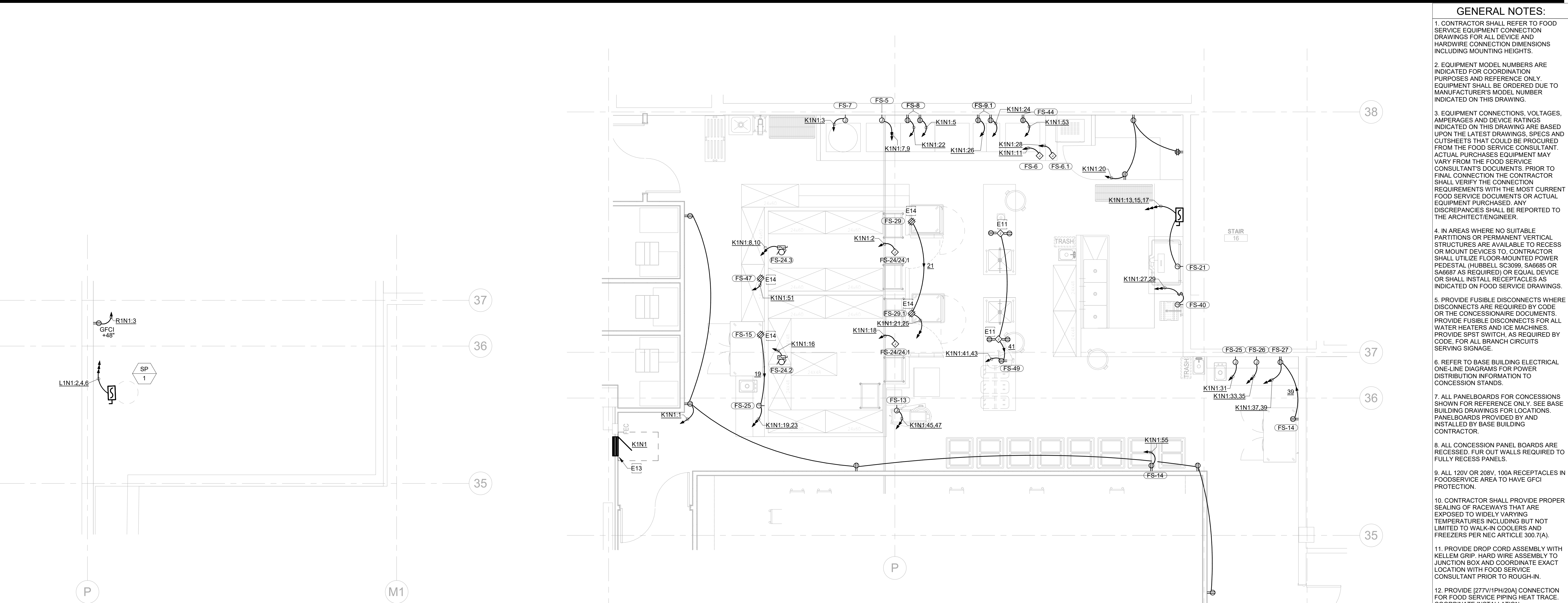
- K3 EXISTING LIGHTING IN ELEVATOR LOBBY TO REMAIN IN PLACE. EXISTING LIGHTING CONTROLS FOR THIS SPACE TO REMAIN. LIGHTING AND CONTROLS ARE ONLY BEING ADDED TO THE ELECTRICAL AREA IN THIS ROOM.
- K4 PROVIDE LIGHTING INVERTER (TOTA LIS-550-1" OR APPROVED EQUAL FOR BRANCH CIRCUIT EMERGENCY LIGHTING. INVERTER SHALL BE MOUNTED IN ACCESSIBLE LOCATION EITHER ABOVE ACCESSIBLE CEILING OR IN ADJACENT BACK OF HOUSE SPACE HIGH ON WALL. REFER TO 10/1C-E8.002 FOR EXACT WIRING CONFIGURATION WITH LIGHTING CONTROL AND INVERTER SYSTEM.
- K5 PROVIDE SINGLE ZONE DISTRIBUTED ROOM CONTROLLER FOR LIGHTING CONTROL WITHIN THIS SPACE. ROOM CONTROLLER SHALL HAVE ON/OFF RELAY CONTROL AND DIMMING FUNCTIONALITY. LOCATE ROOM CONTROLLER IN ACCESSIBLE LOCATION NOT VISIBLE TO THE OCCUPANT SPACE. LOCATE ABOVE THE DOOR ENTERING INTO THE SPACE WHERE POSSIBLE AND CEILING IS ALLOW. REFER TO LIGHT FIXTURE SCHEDULE FOR EXACT DIMMING TECHNOLOGY BEING USED ON A PER LIGHT FIXTURE BASIS. PROVIDE NETWORK CONNECTION FOR THIS ROOM CONTROLLER TO THE OVERALL NETWORKED LIGHTING CONTROL SYSTEM. REFER TO DETAIL 11/1C-E8.002 FOR MORE INFORMATION.

KEYNOTES

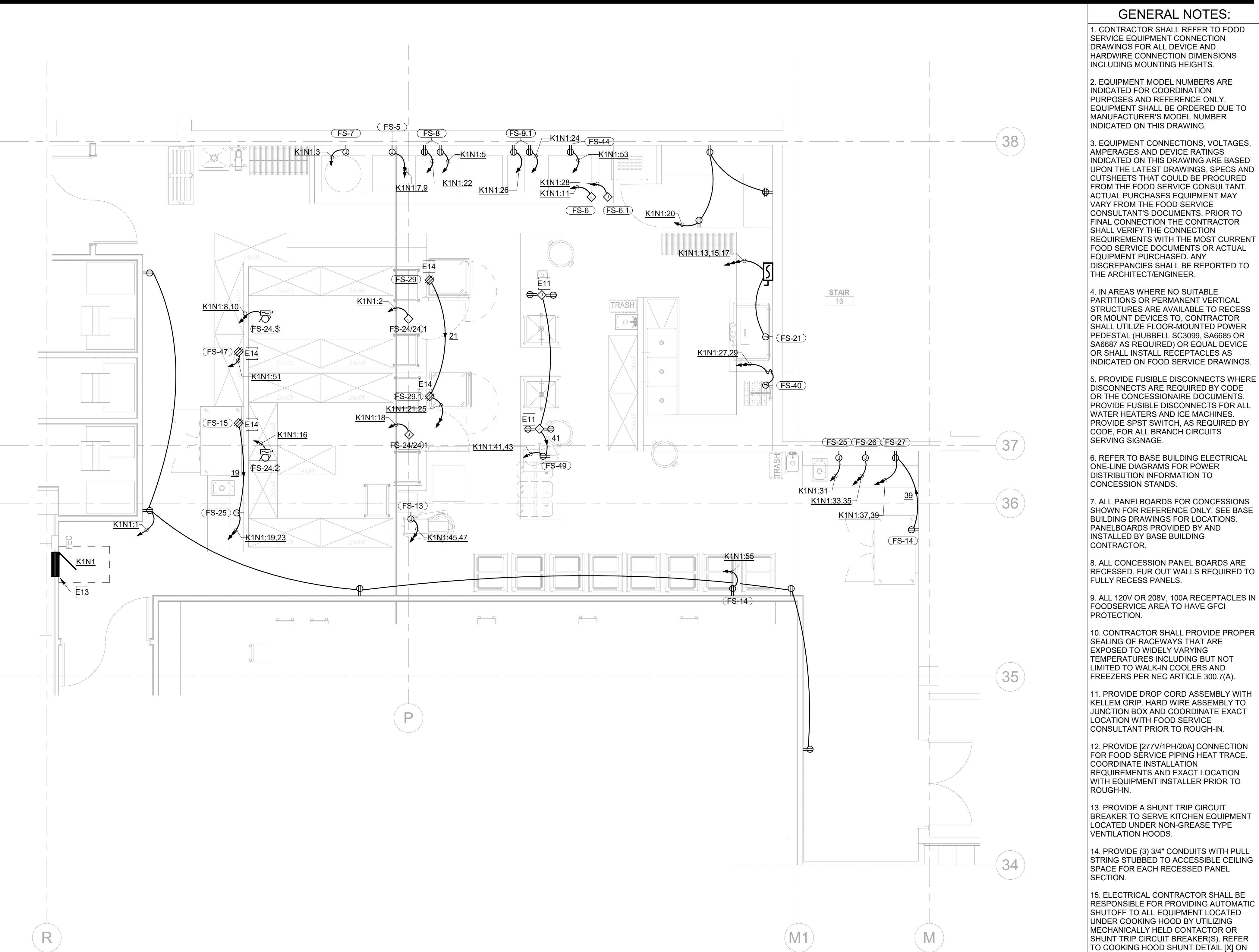
- K6 PROVIDE SINGLE ZONE DISTRIBUTED ROOM CONTROLLER FOR LIGHTING CONTROL WITHIN THIS SPACE. ROOM CONTROLLER SHALL HAVE ON/OFF RELAY CONTROL ONLY. ROOM CONTROLLER SHALL BE MOUNTED INSIDE BUILDING OR WITHIN NEMA 3R ENCLOSURE ON SITE. REFER TO LIGHT FIXTURE SCHEDULE FOR EXACT CONNECTION REQUIREMENTS PER LIGHT FIXTURE TYPE. PROVIDE NETWORK CONNECTION FOR THIS ROOM CONTROLLER TO THE OVERALL NETWORKED LIGHTING CONTROL SYSTEM. REFER TO DETAIL 11/1C-E8.002 FOR MORE INFORMATION.
- K7 REFER TO FOOD SERVICE DRAWINGS FOR LIGHTING INTEGRAL TO COOKING HOODS. LIGHTING TO BE PROVIDED AS A PART OF THE FOOD SERVICE EQUIPMENT SCOPE. HOOD INTEGRAL TO LIGHTING SHALL BE ROUTED THROUGH CONTACTOR OR SHUNT TRIP BREAKER FOR DE-ENERGIZATION OF CIRCUIT UPON ACTIVATION OF HOOD ANSUL SYSTEM.
- K9 PROVIDE TOUCH PANEL LIGHTING CONTROL STATION FOR CONTROL OF ALL KVC LIGHTING ZONES. THIS POINT SHALL ACT AS THE HEAD END LIGHTING CONTROL INTERFACE FOR THE USER FOR ALL OF KVC. REFER TO DETAIL 11/1C-E8.002.

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 /F	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			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.
- 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 FULL 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.



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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

**RCRBD
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Electrical
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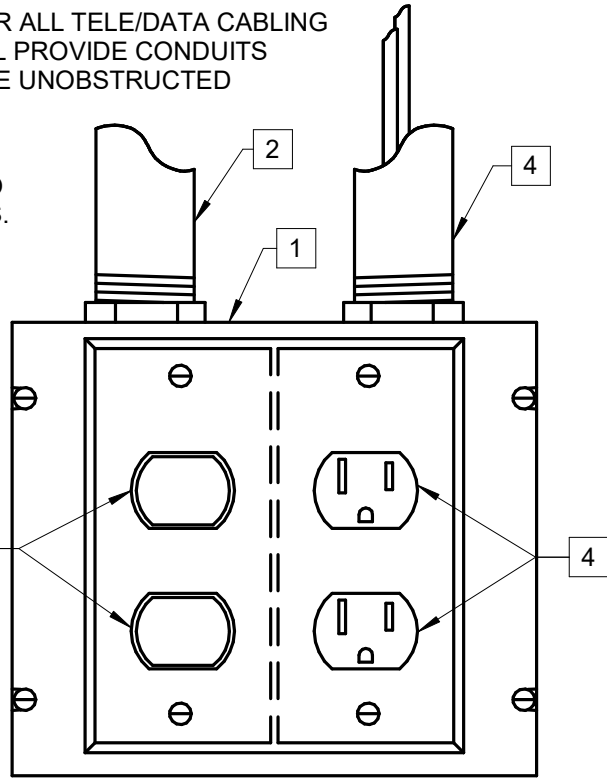
GENERAL NOTES:

- 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 



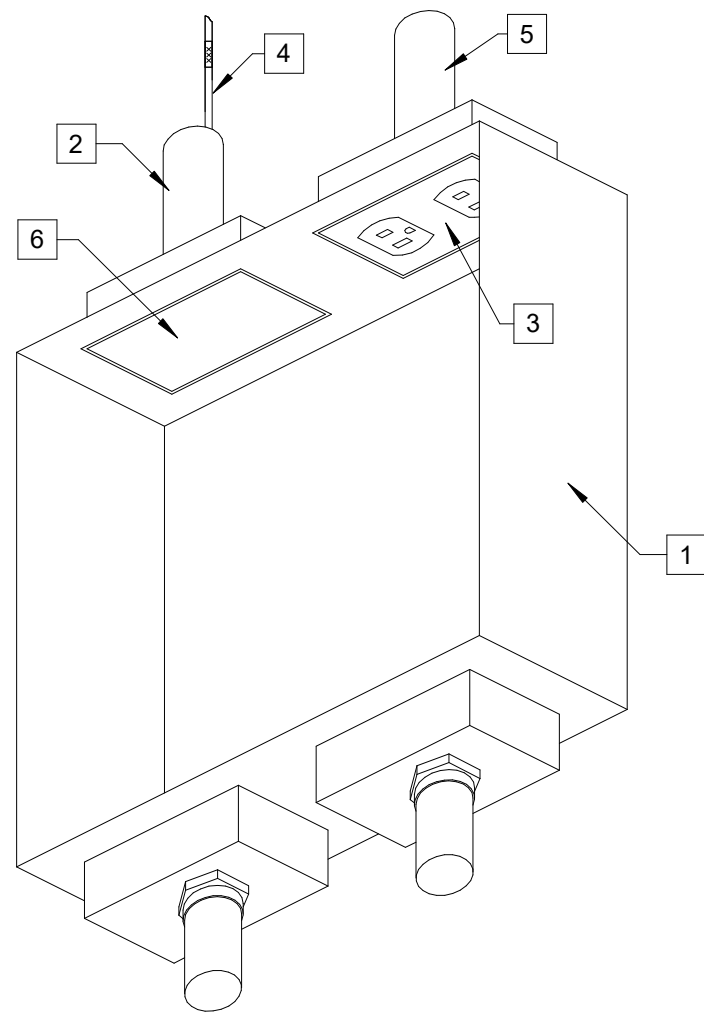
14 TV DEVICE BACK-BOX
NO SCALE

GENERAL NOTES:

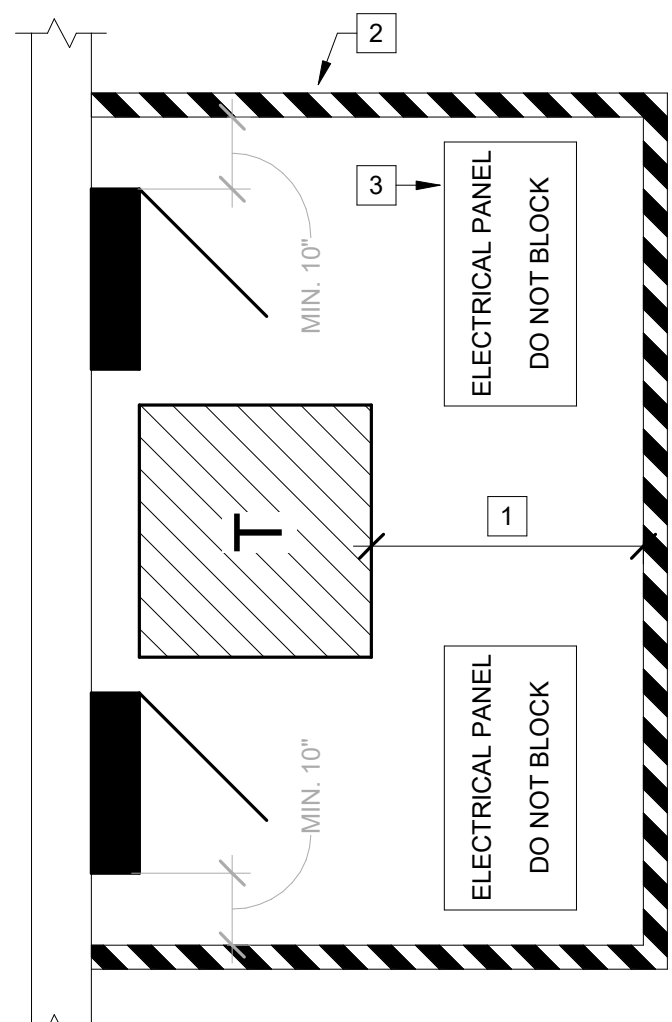
- REFER TO AV AND TECHNOLOGY DRAWINGS FOR ADDITIONAL REQUIREMENTS RELATIVE TO TV / VIDEO MONITOR INFRASTRUCTURE.
- REFER TO ARCHITECTURAL AND/OR AV DOCUMENTS FOR MOUNTING HEIGHTS AND/OR SPECIAL CONDITIONS.

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.



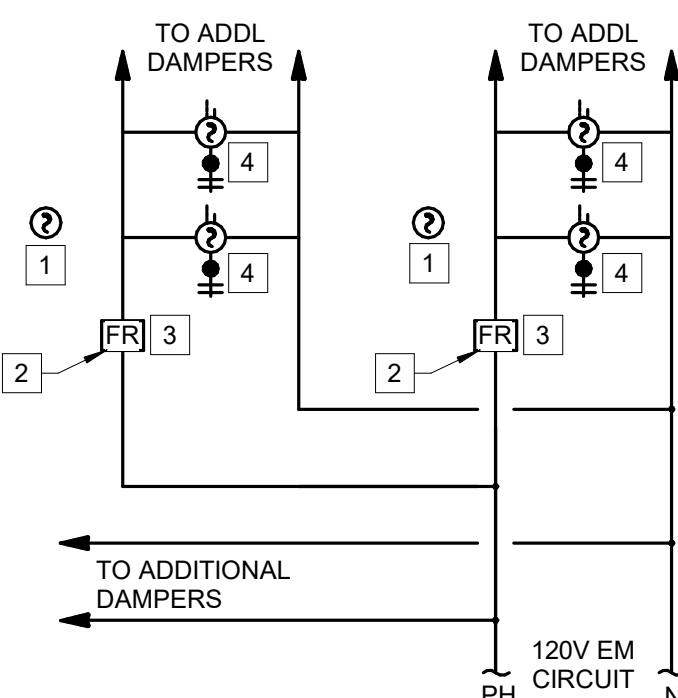
15 TV RECESSED BOX DETAIL
NO SCALE



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:

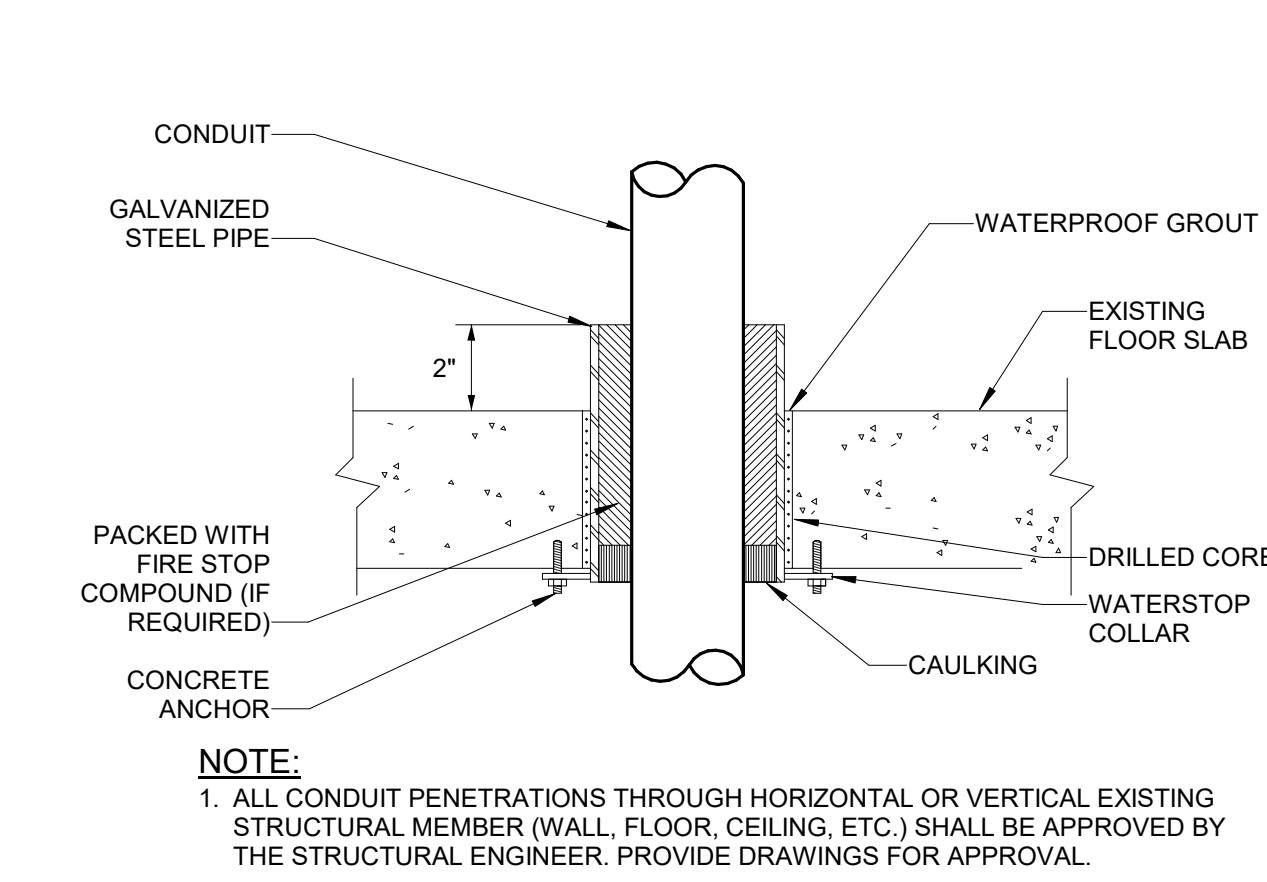
UPON ACTIVATION OF A DUCT DETECTOR AT A HVAC UNIT, A DUCT DETECTOR ASSOCIATED WITH A DAMPER, CORRIDOR DETECTOR, OR TOTAL COVERAGE SMOKE DETECTOR SYSTEM:

- 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.



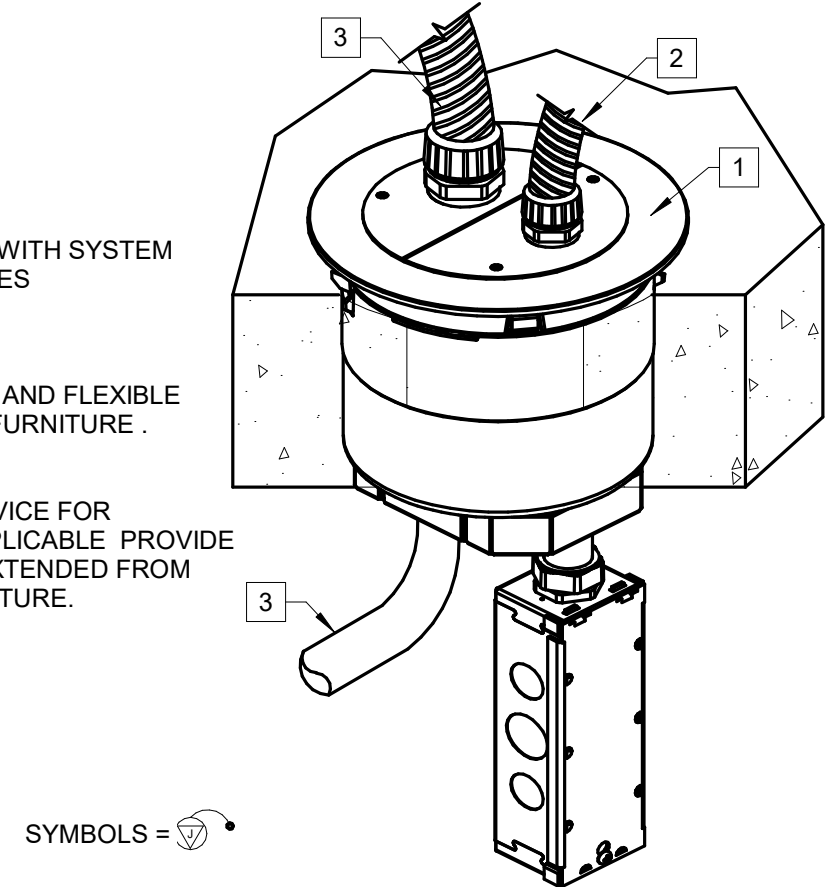
10 CONDUIT PENETRATION (CORE DRILLED)
NO SCALE


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 = 

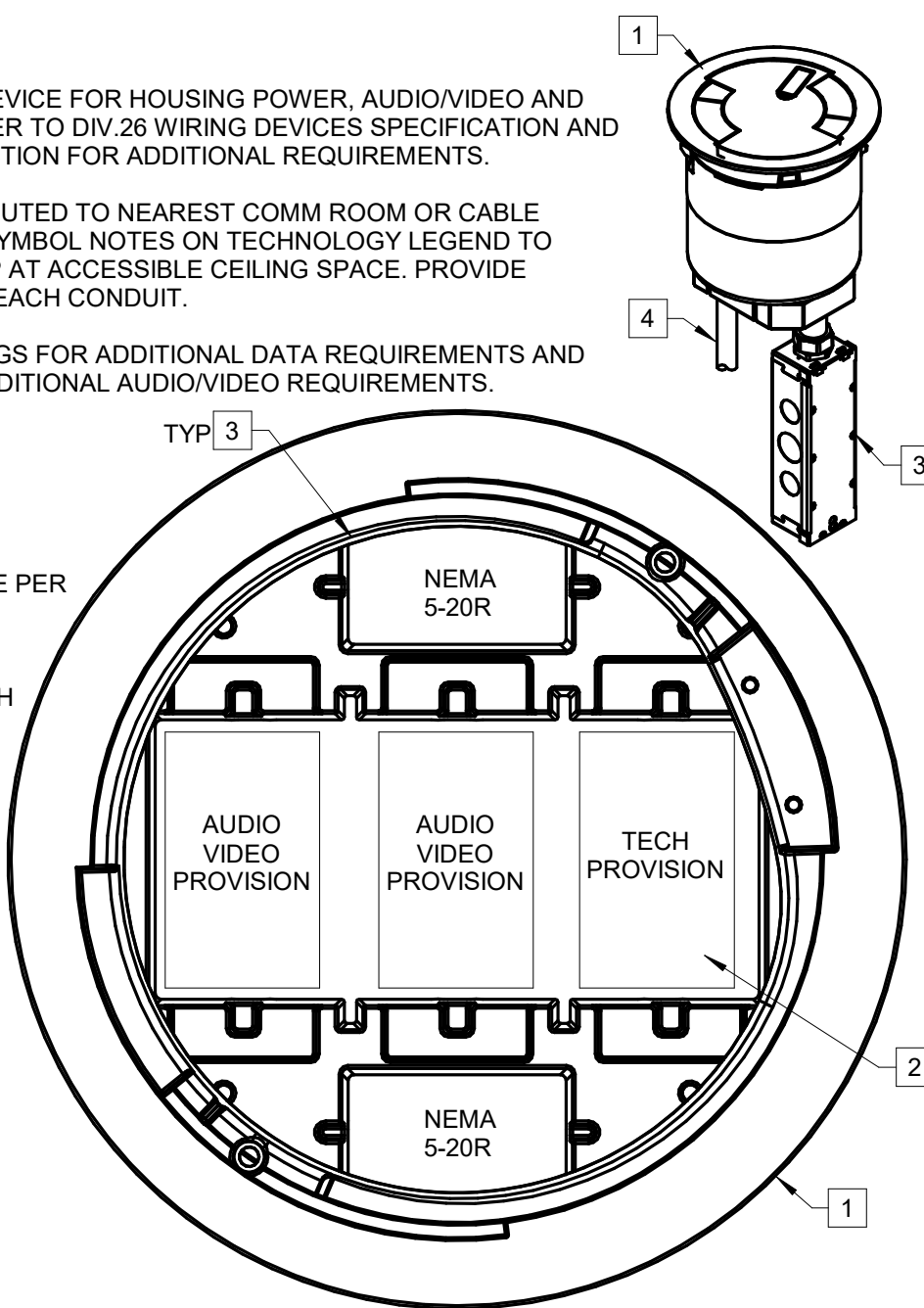
11 FURNITURE FEED POKE-THROUGH DEVICE
NO SCALE

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

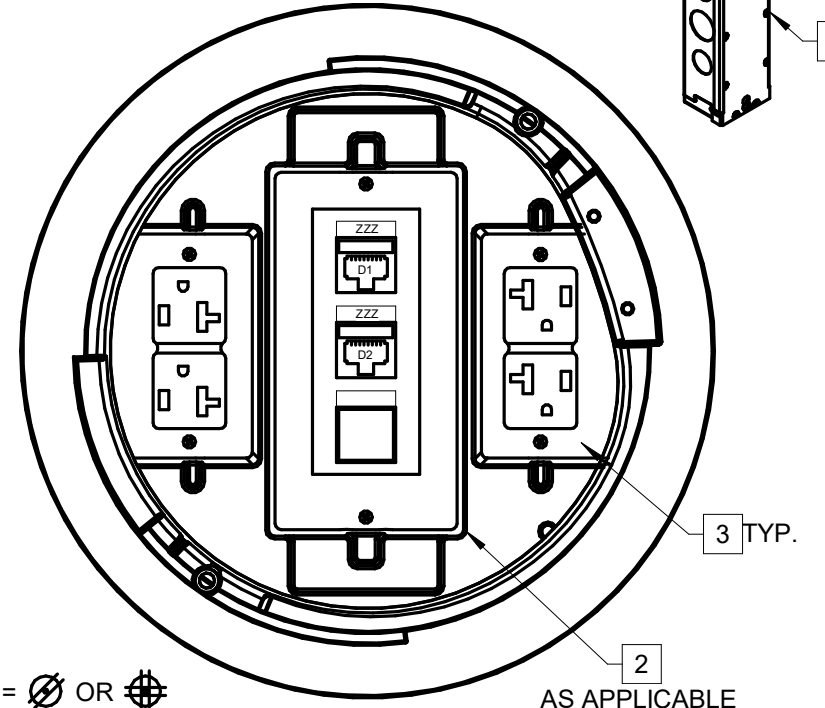
GENERAL NOTES:

- 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.

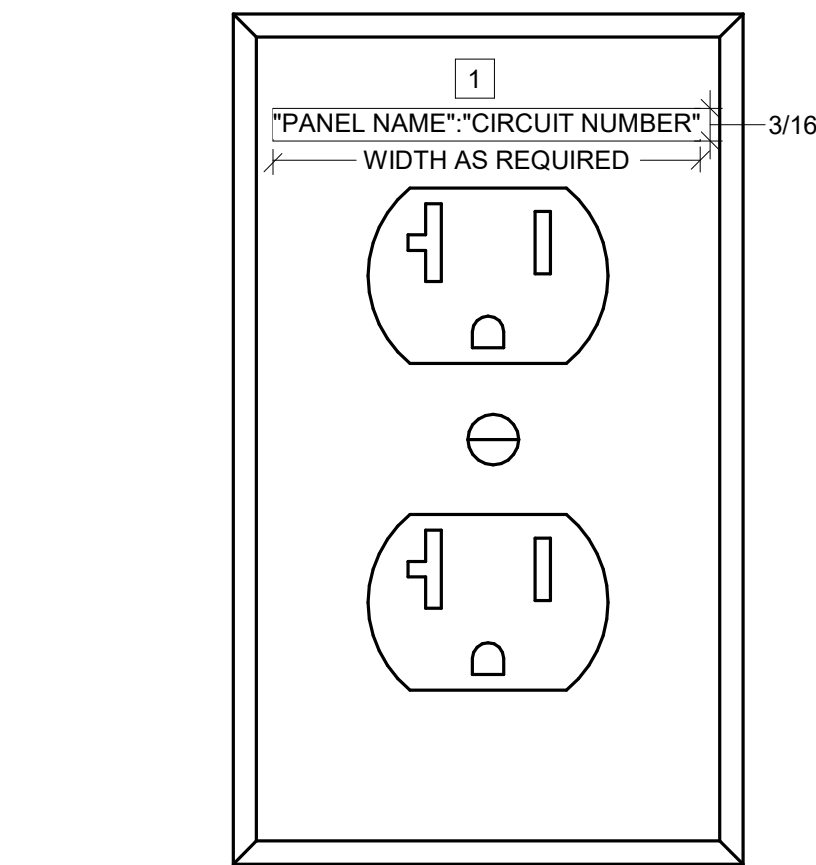
KEYNOTES:

- 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 



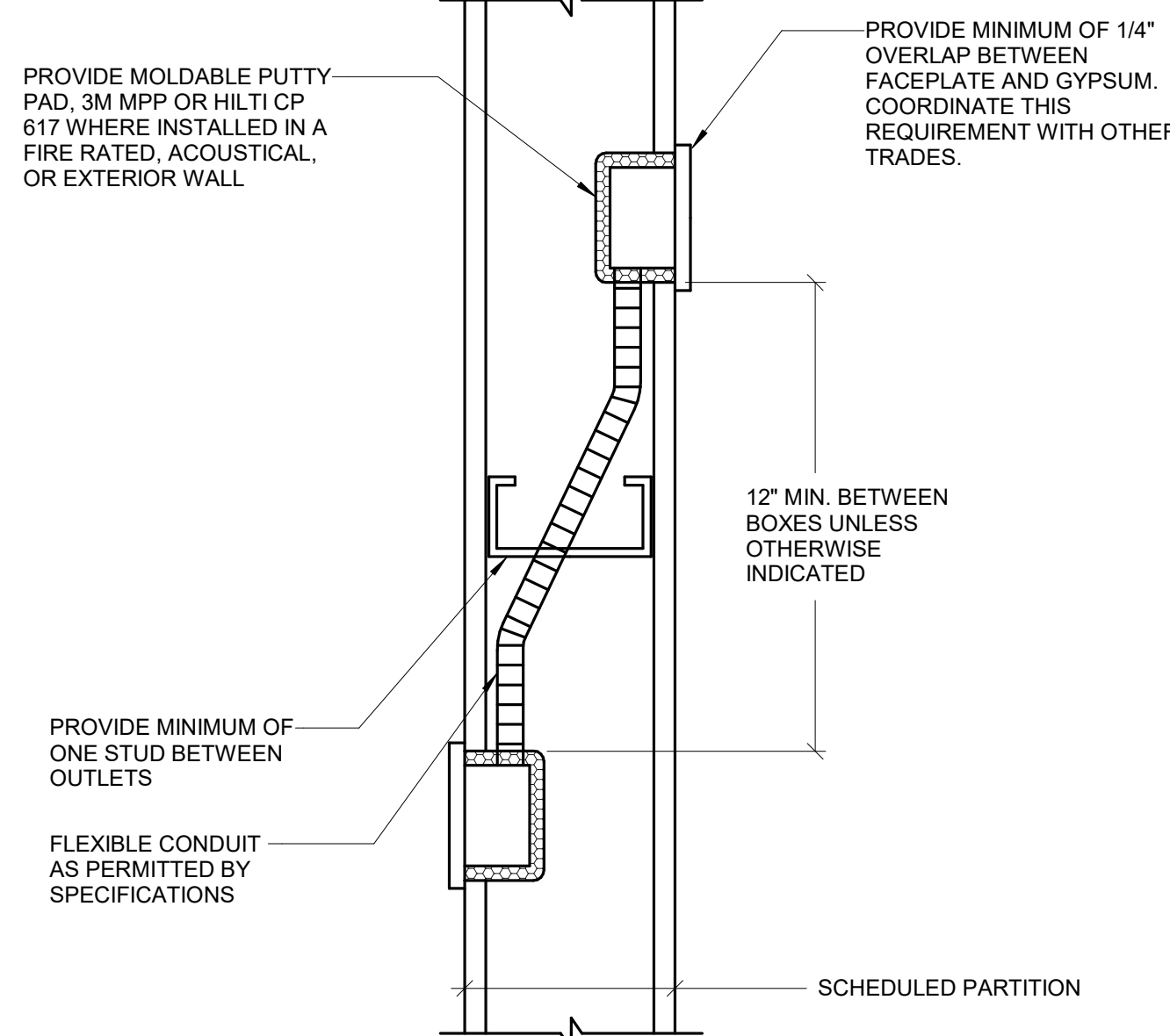
13 STANDARD POKE-THROUGH DEVICE 6-INCH
NO SCALE



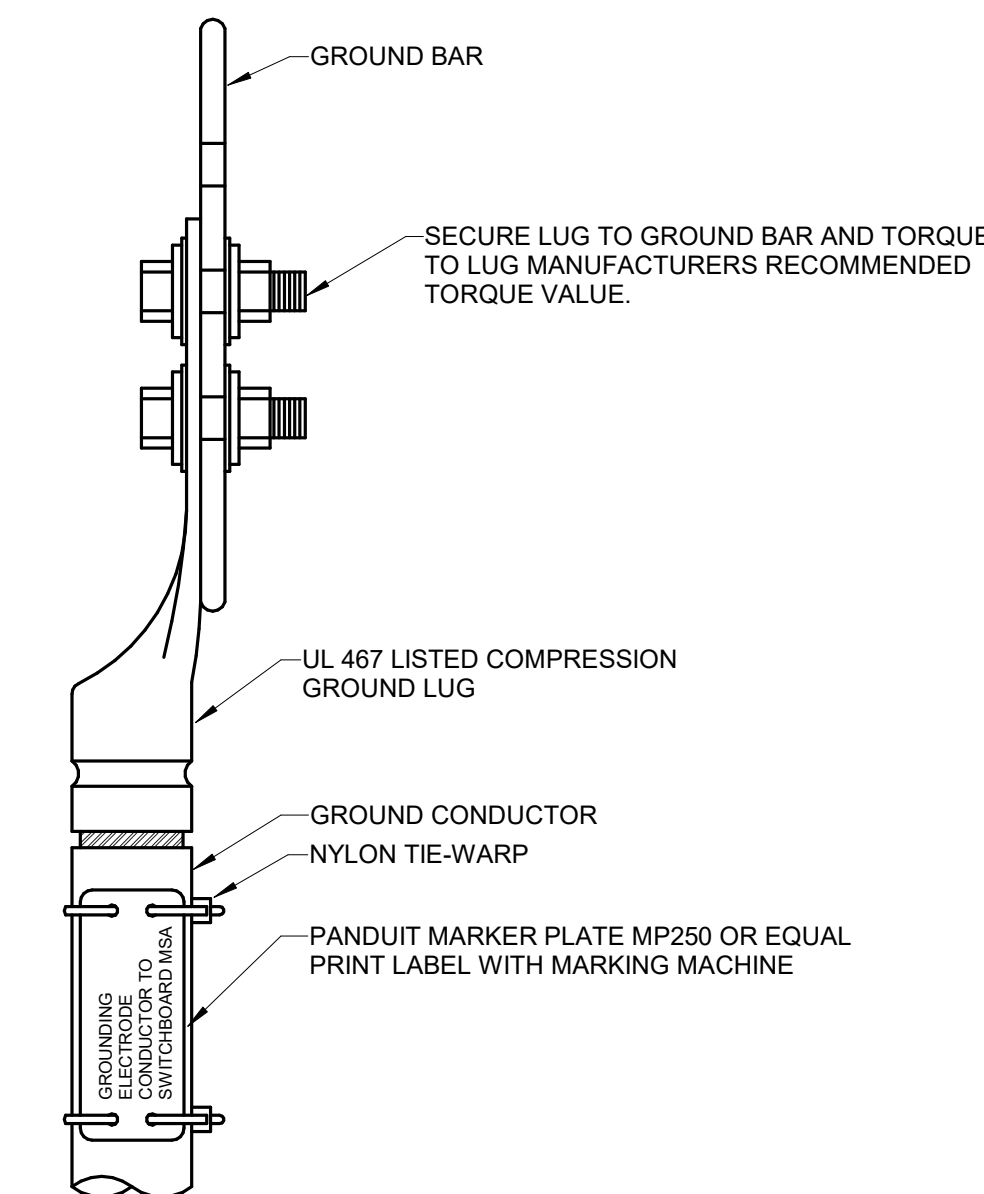
KEYNOTES:

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

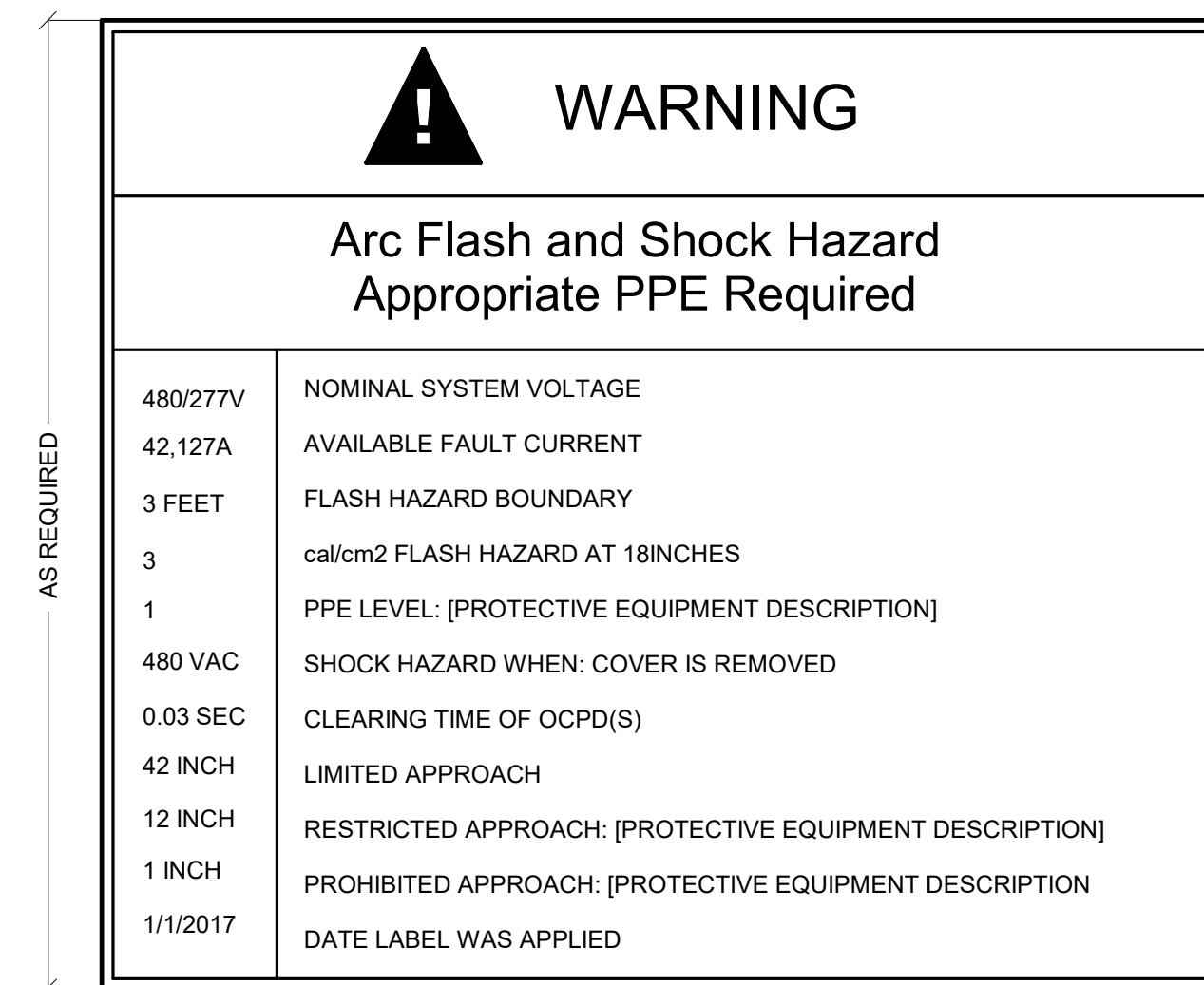
7 RECEPTACLE IDENTIFICATION
NO SCALE



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

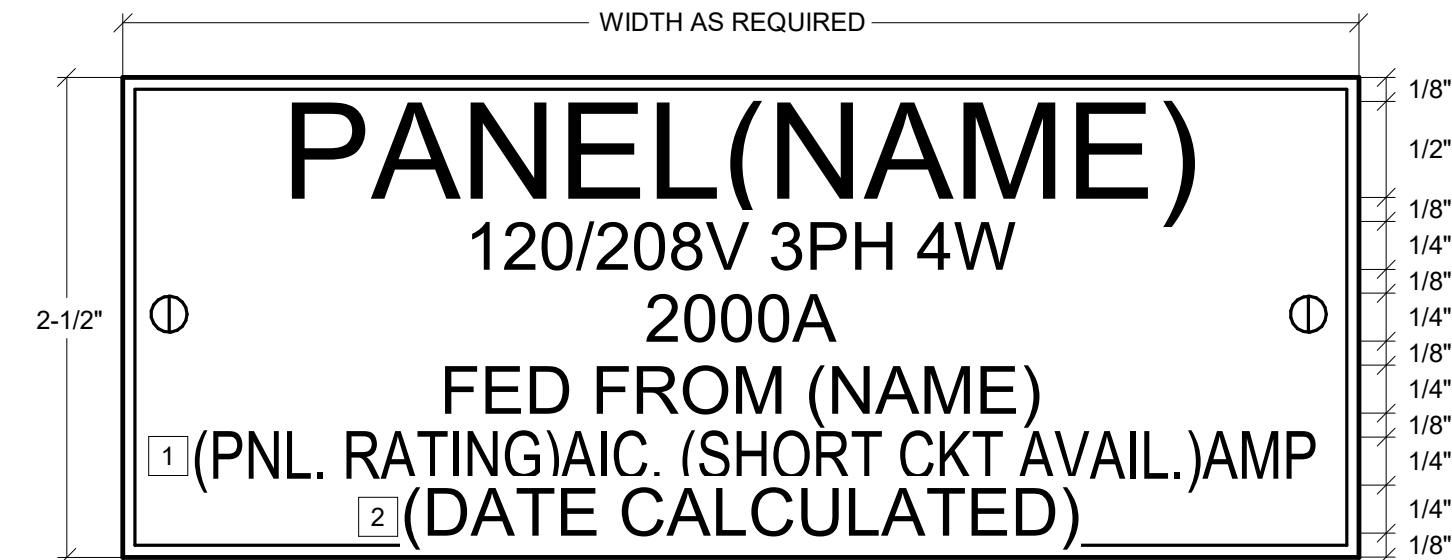


9 TYPICAL COMPRESSION GROUND CONNECTOR DETAIL
NO SCALE



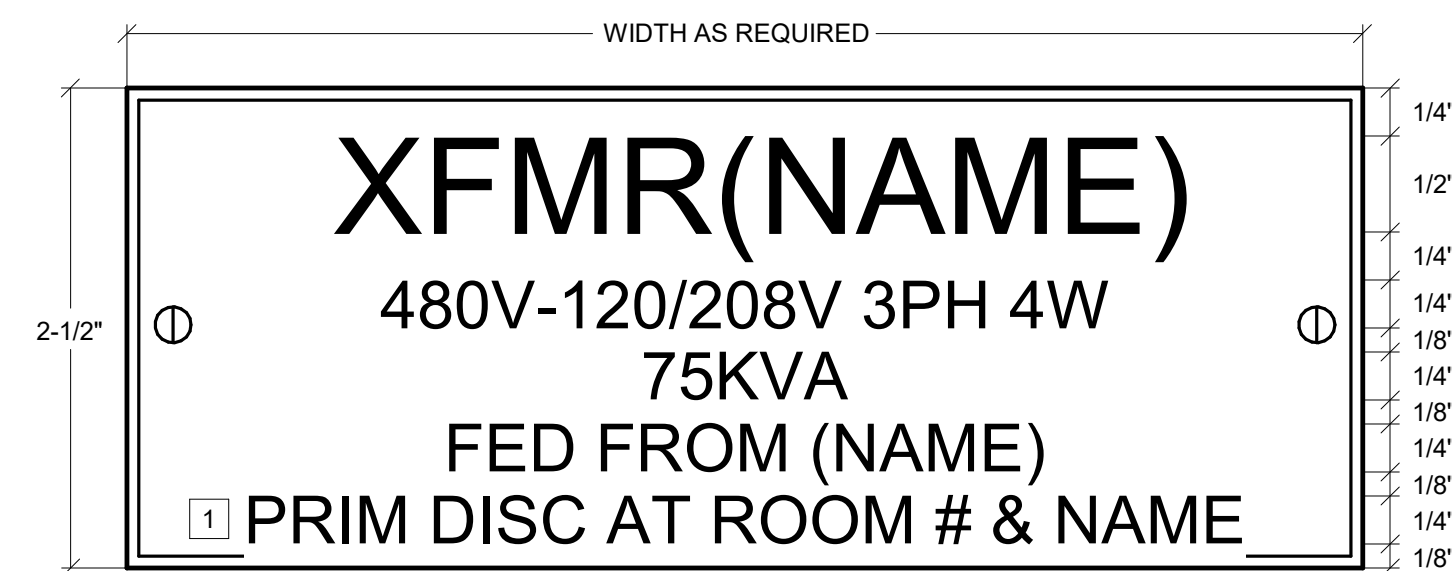
NOTE:
1. SEE SPECIFICATIONS FOR ADDITIONAL NAMEPLATE INFORMATION.

1 ARC FLASH LABEL
NO SCALE



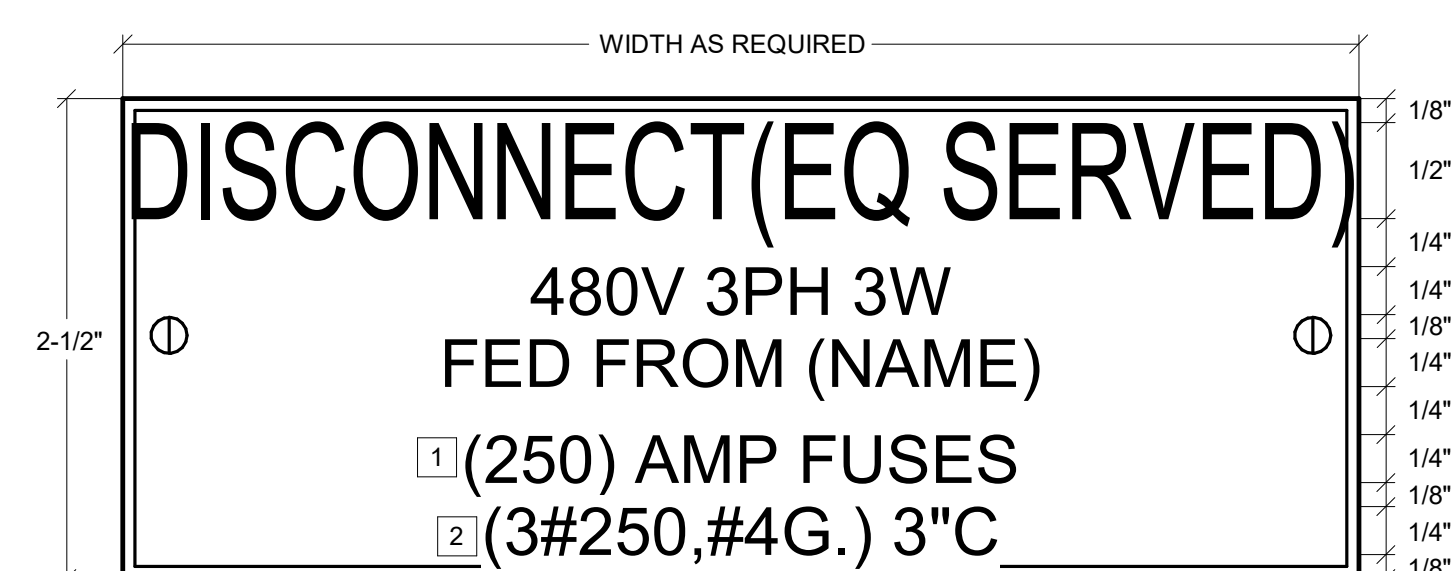
NOTE:
1. SEE SPECIFICATIONS FOR ADDITIONAL NAMEPLATE INFORMATION.
1 INDICATE BUS BRACING VALUE AND AVAILABLE FAULT CURRENT.
2 PROVIDE AND INDICATE DATE OF CALCULATION.

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



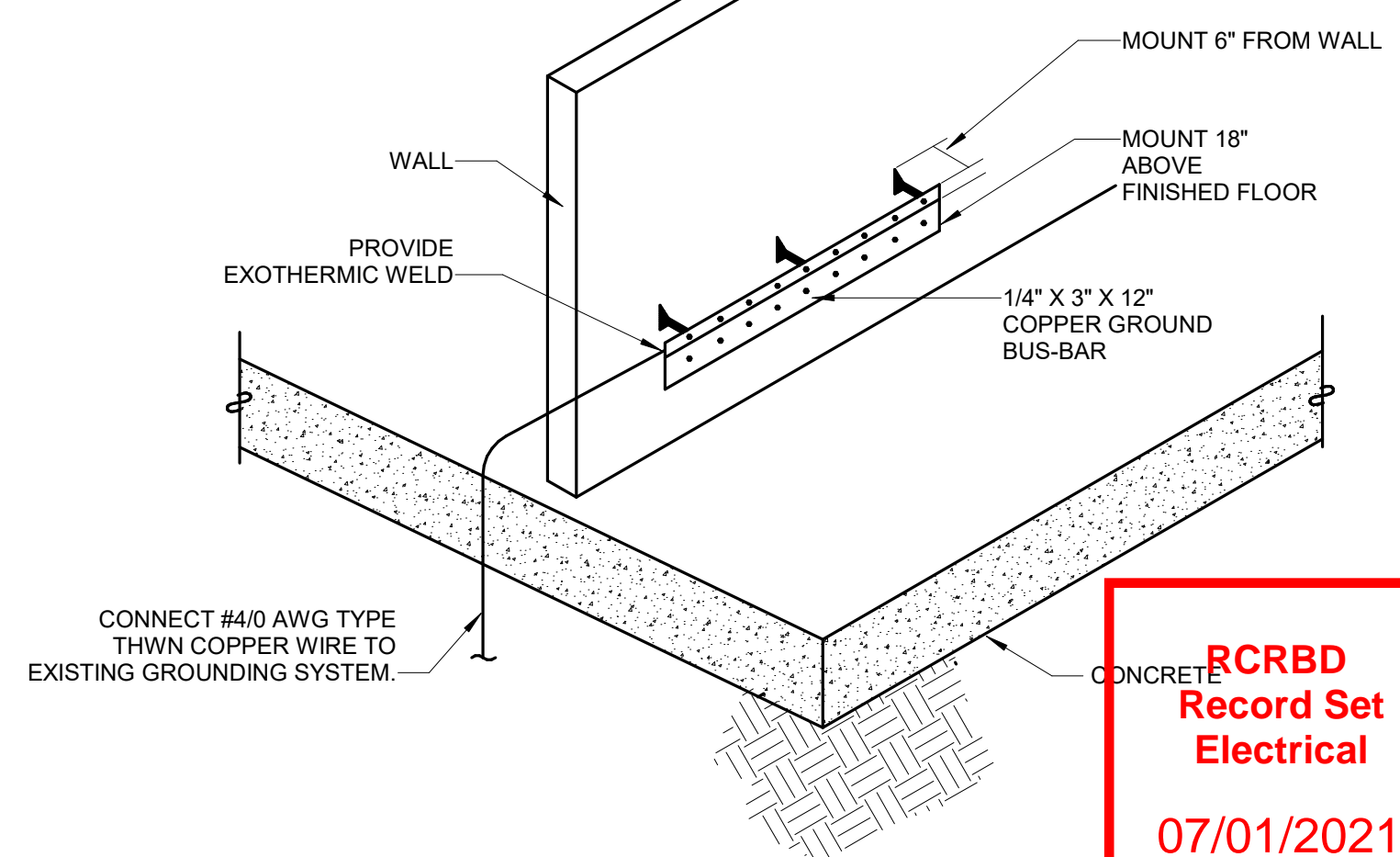
NOTE:
1. SEE SPECIFICATIONS FOR ADDITIONAL NAMEPLATE INFORMATION.
1 INDICATE LOCATION OF PRIMARY DISCONNECT

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

Steamboat

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MOUNTAIN COMPANY

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

Seal / Signature



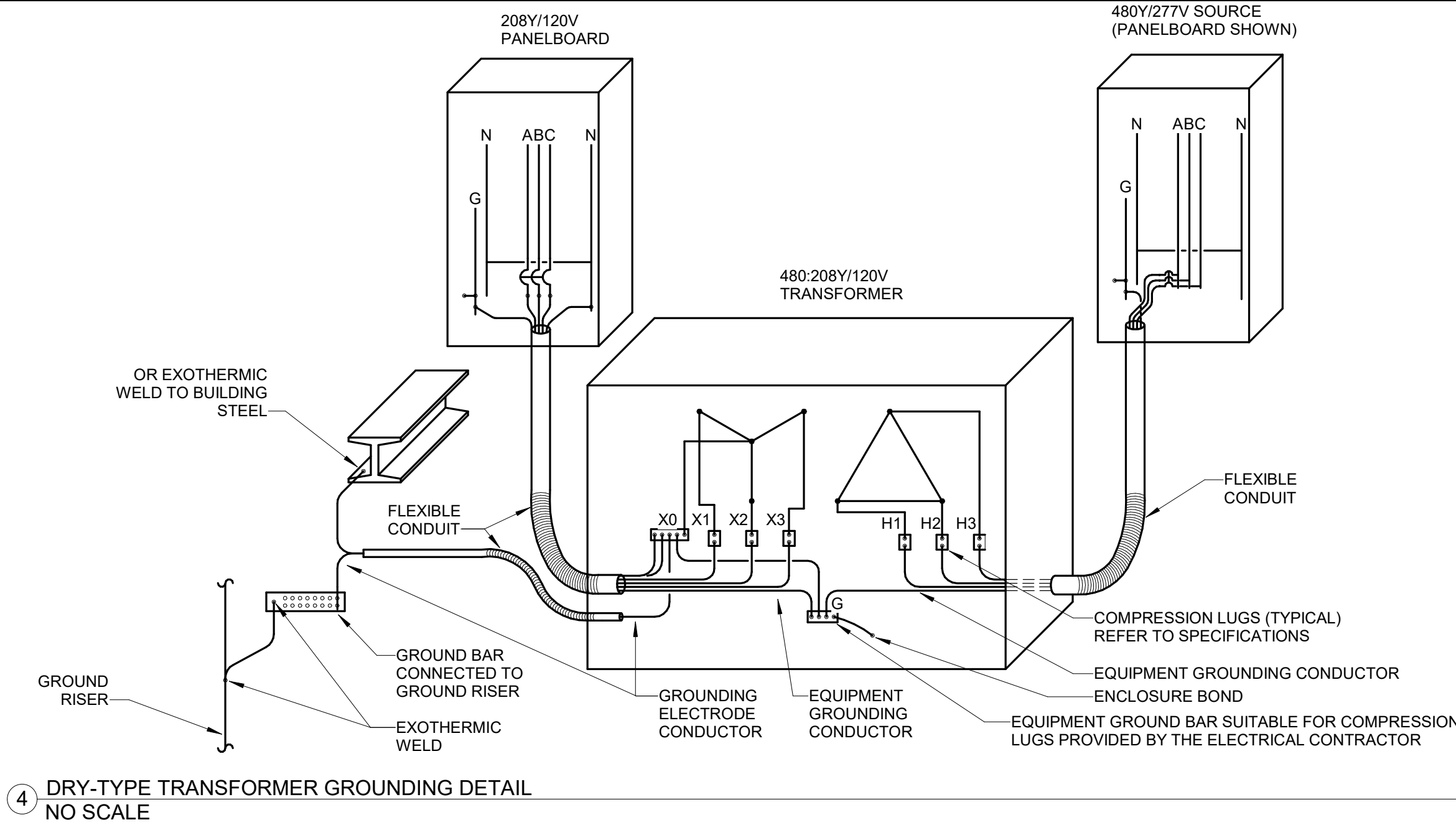
Project Name
**Steamboat Base Village
Redevelopment**

Project Number
003.7835.000

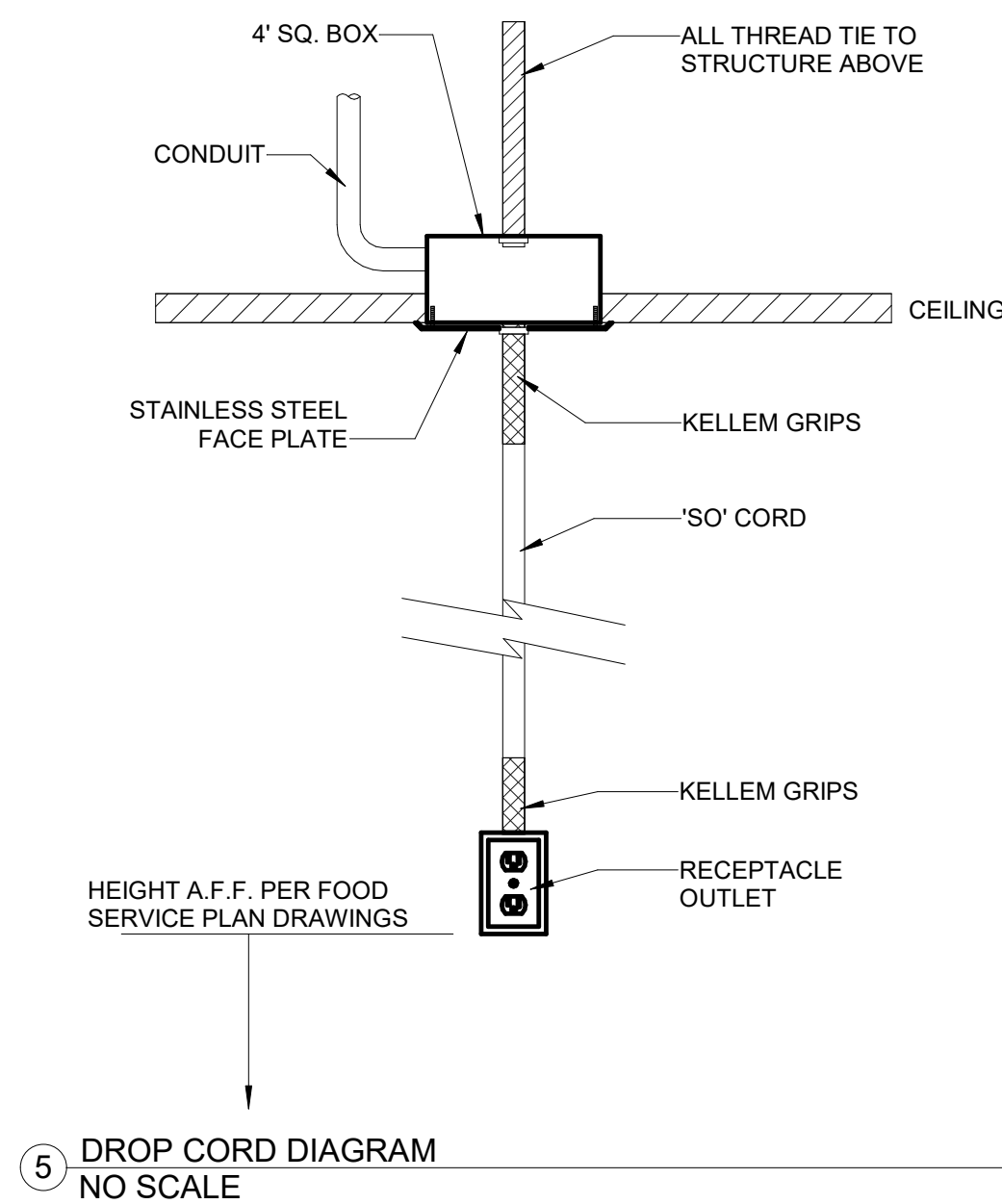
Description
ELECTRICAL DETAILS

Scale
NO SCALE

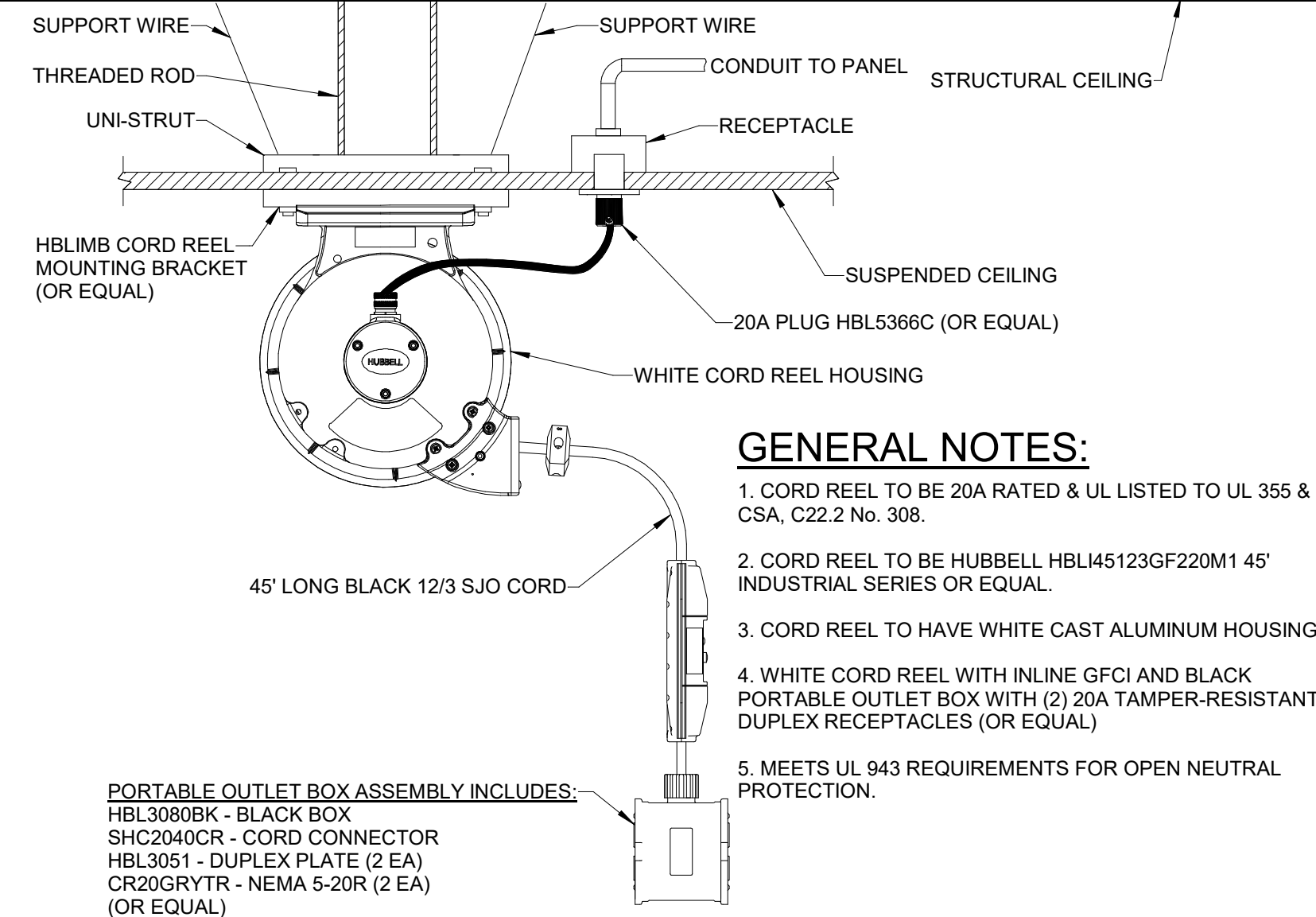
1C-E8.000



4 DRY-TYPE TRANSFORMER GROUNDING DETAIL
NO SCALE



5 DROP CORD DIAGRAM
NO SCALE

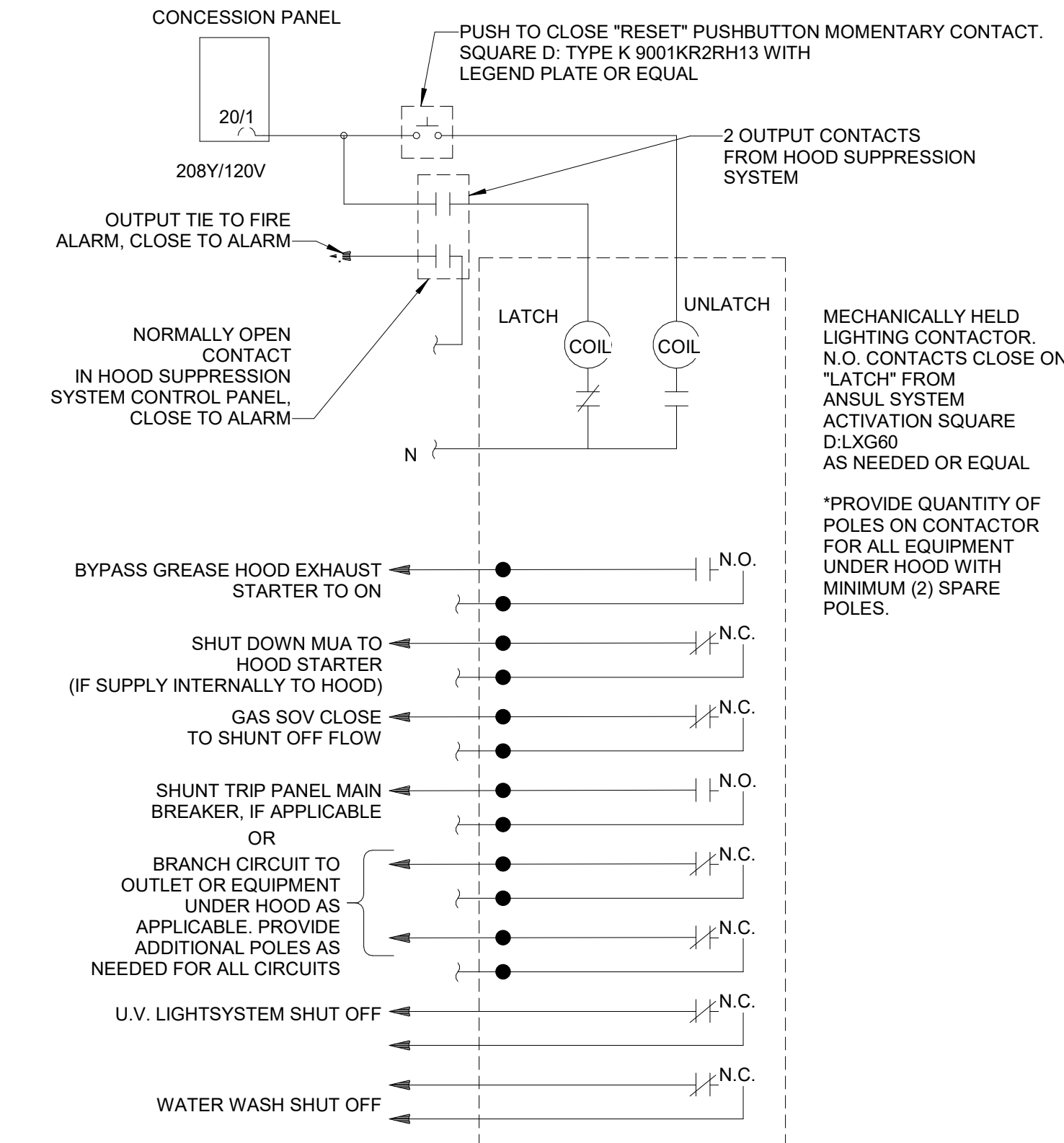


PORTABLE OUTLET BOX ASSEMBLY INCLUDES:
HBL3000BK - BLACK BOX
SHC2040CR - CORD CONNECTOR
HBL3051 - DUPLEX PLATE (2 EA)
CR203RYTR - NEMA 5-20R (2 EA)
(OR EQUAL)

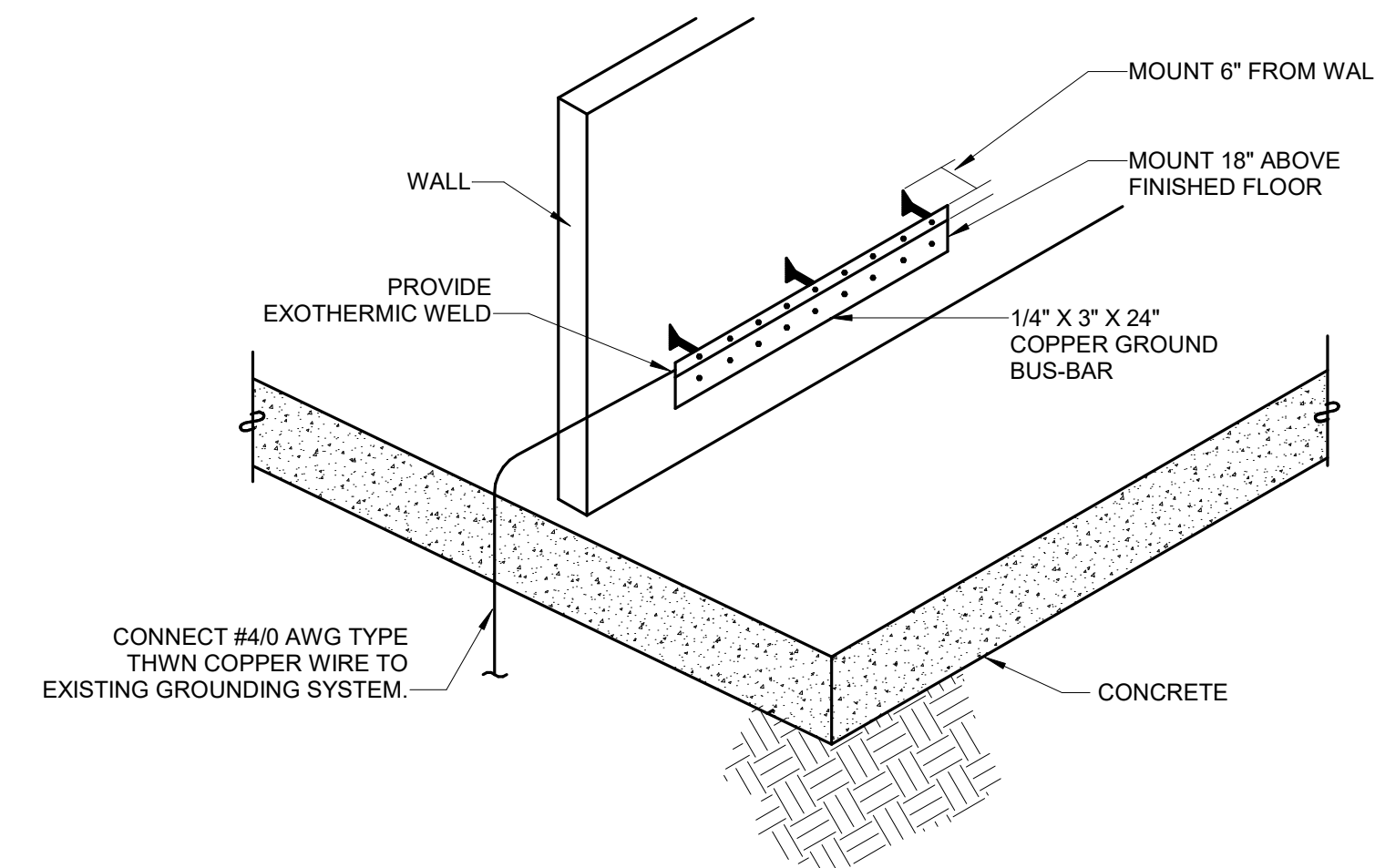
GENERAL NOTES:

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.

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

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Project Name

Steamboat Base Village
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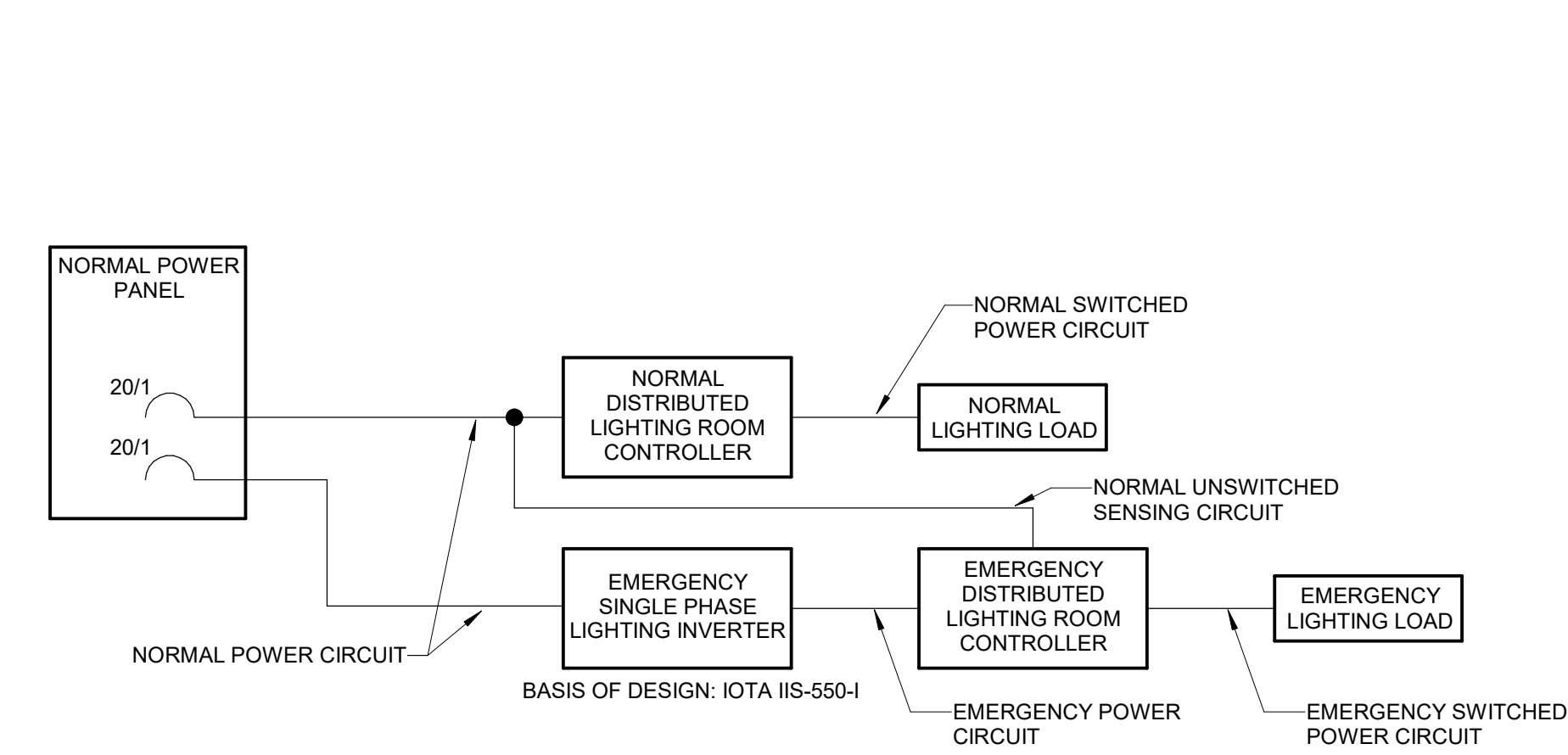
ELECTRICAL DETAILS

Scale

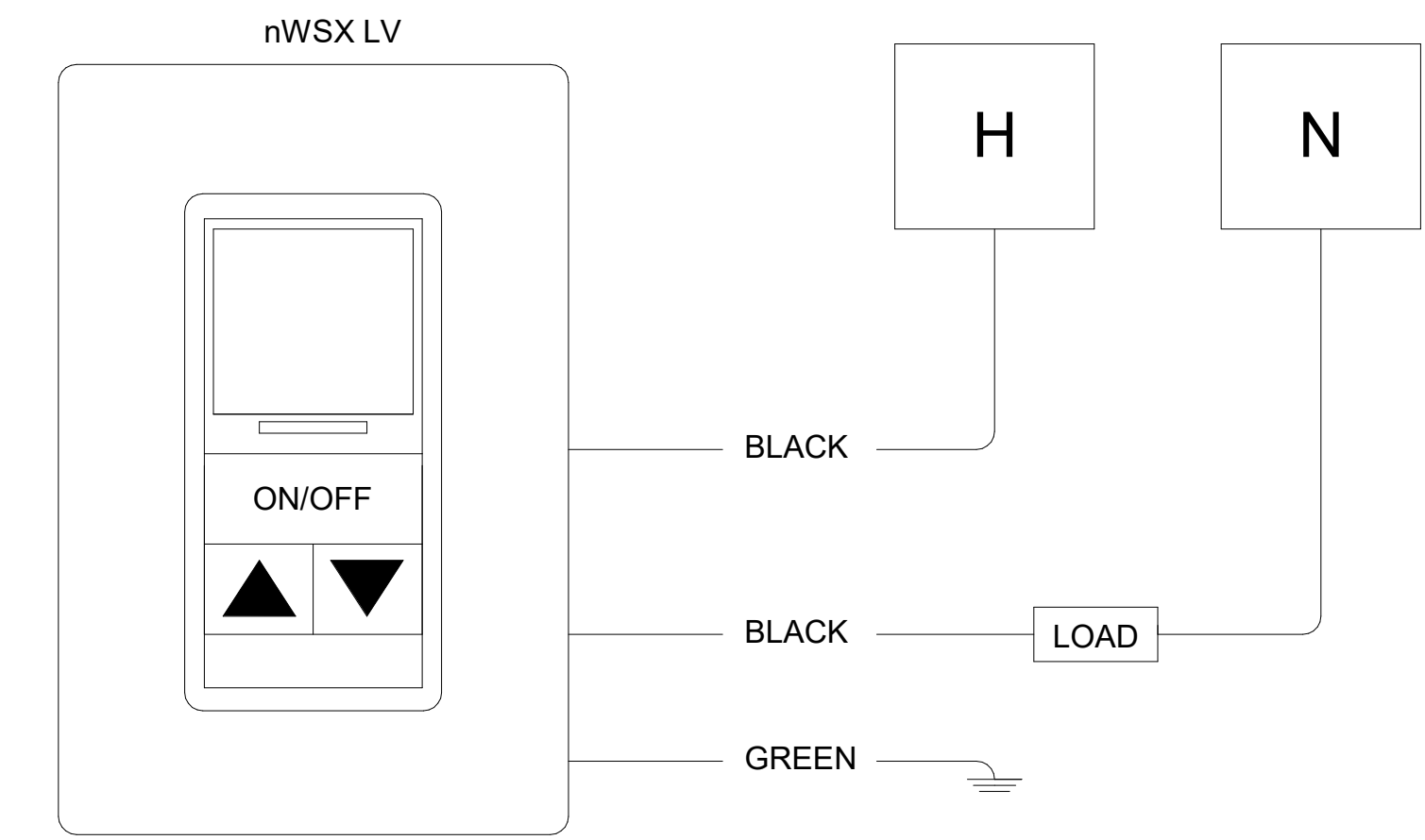
NO SCALE

1C-E8.001

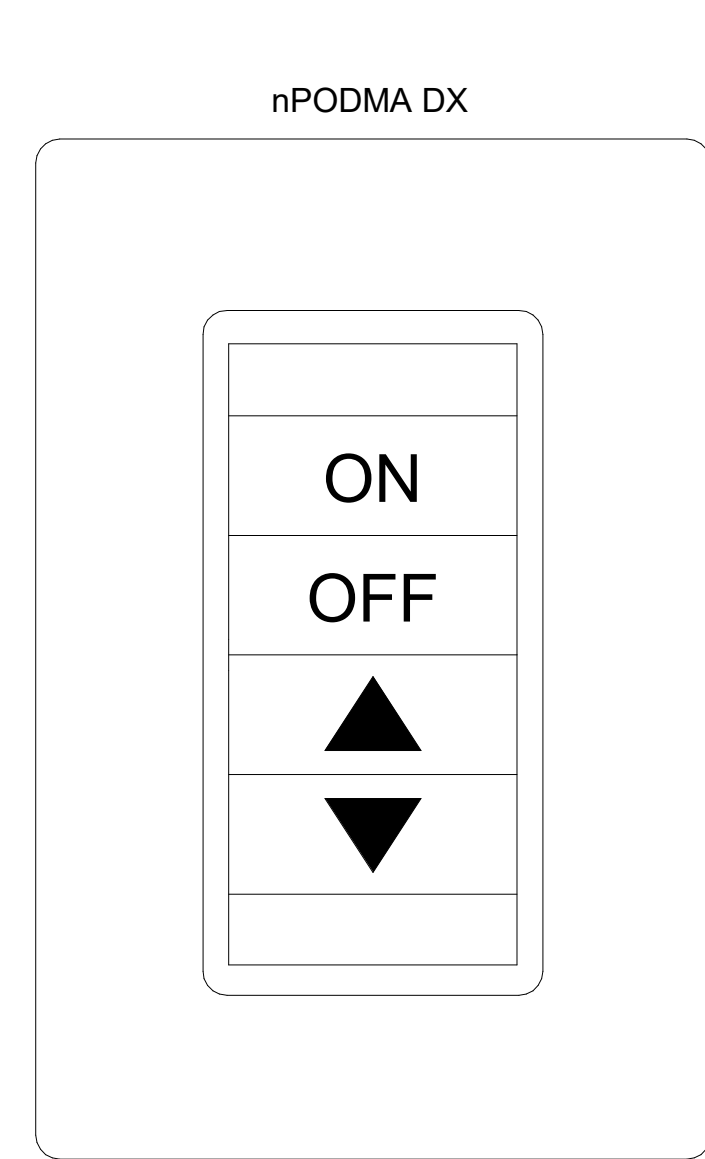
RCRBD
Record Set
Electrical
07/01/2021



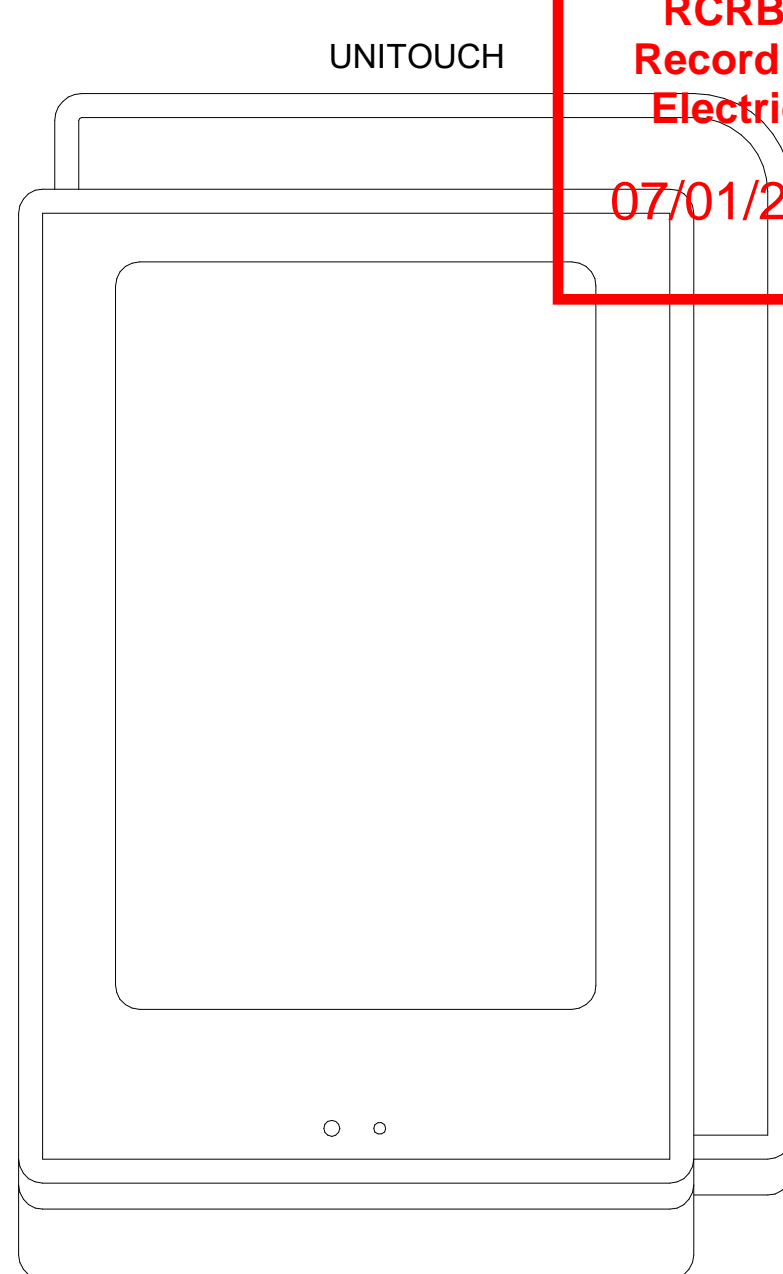
10 EMERGENCY LIGHTING INVERTER WIRING DIAGRAM
NO SCALE



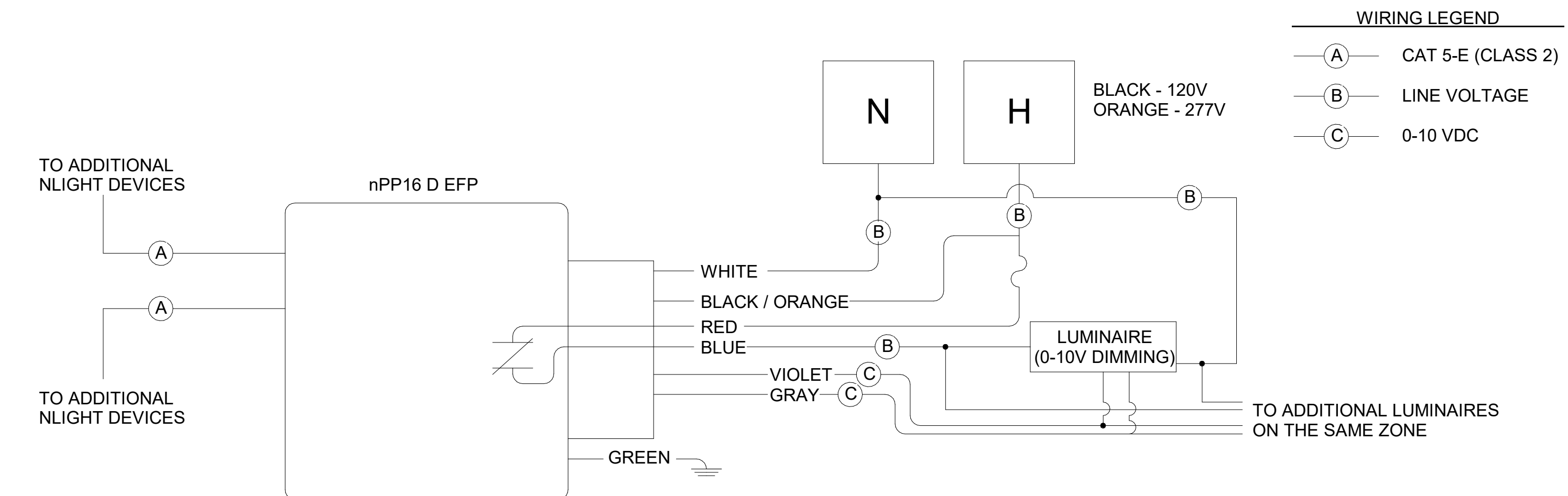
9 WALL SWITCH - 1 POLE, AUTO ON/OFF
NO SCALE



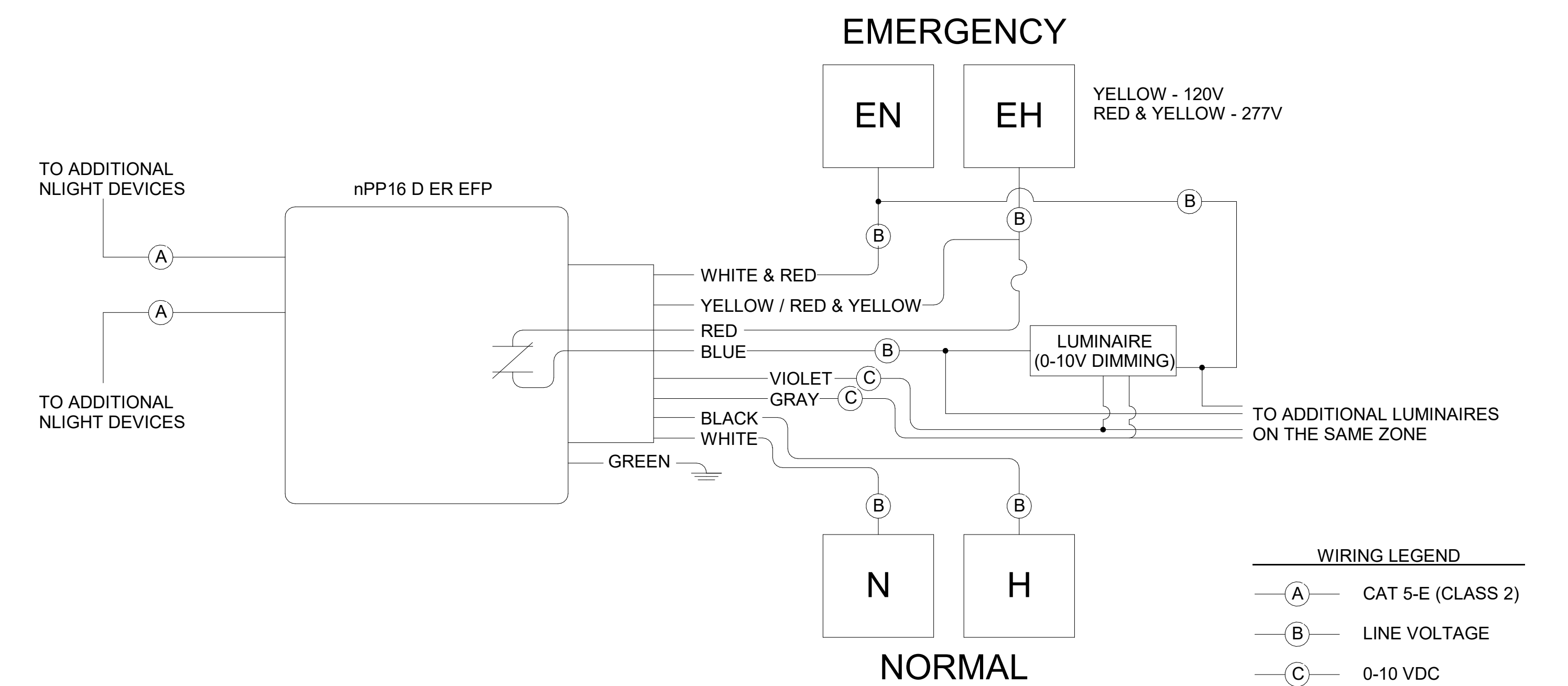
5 SINGLE ZONE DIMMER
NO SCALE



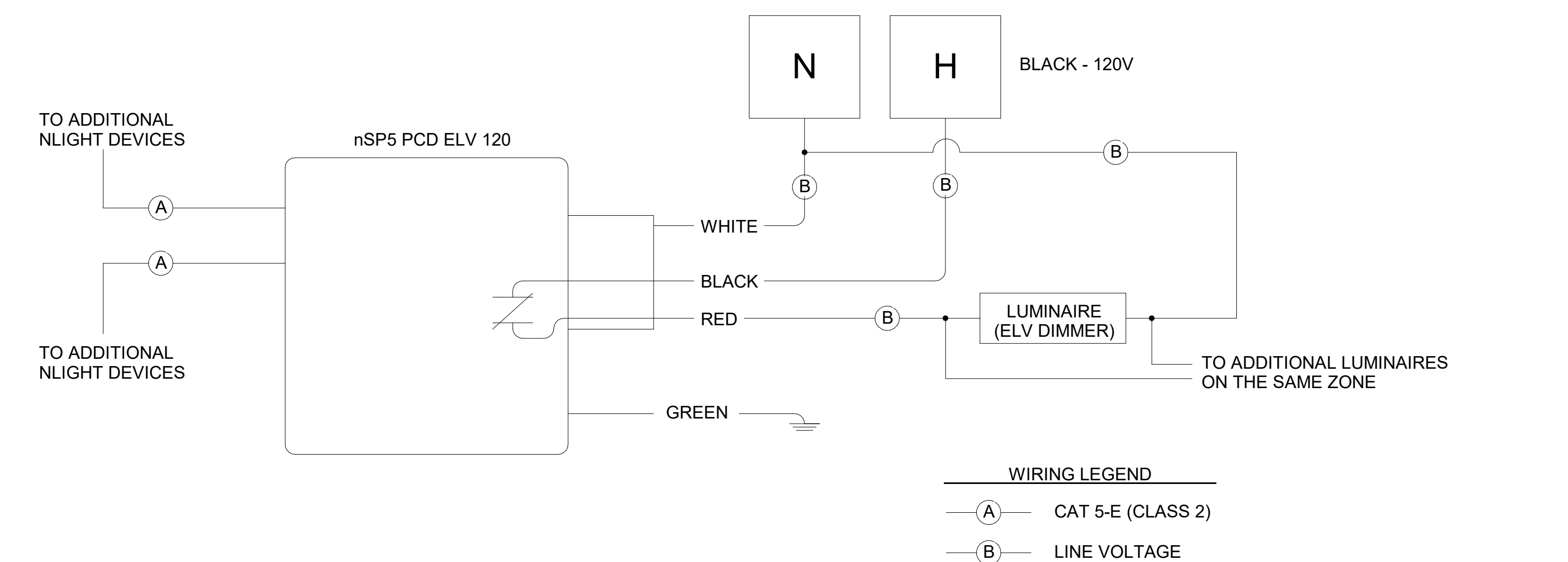
1 3.5" TOUCHSCREEN
NO SCALE



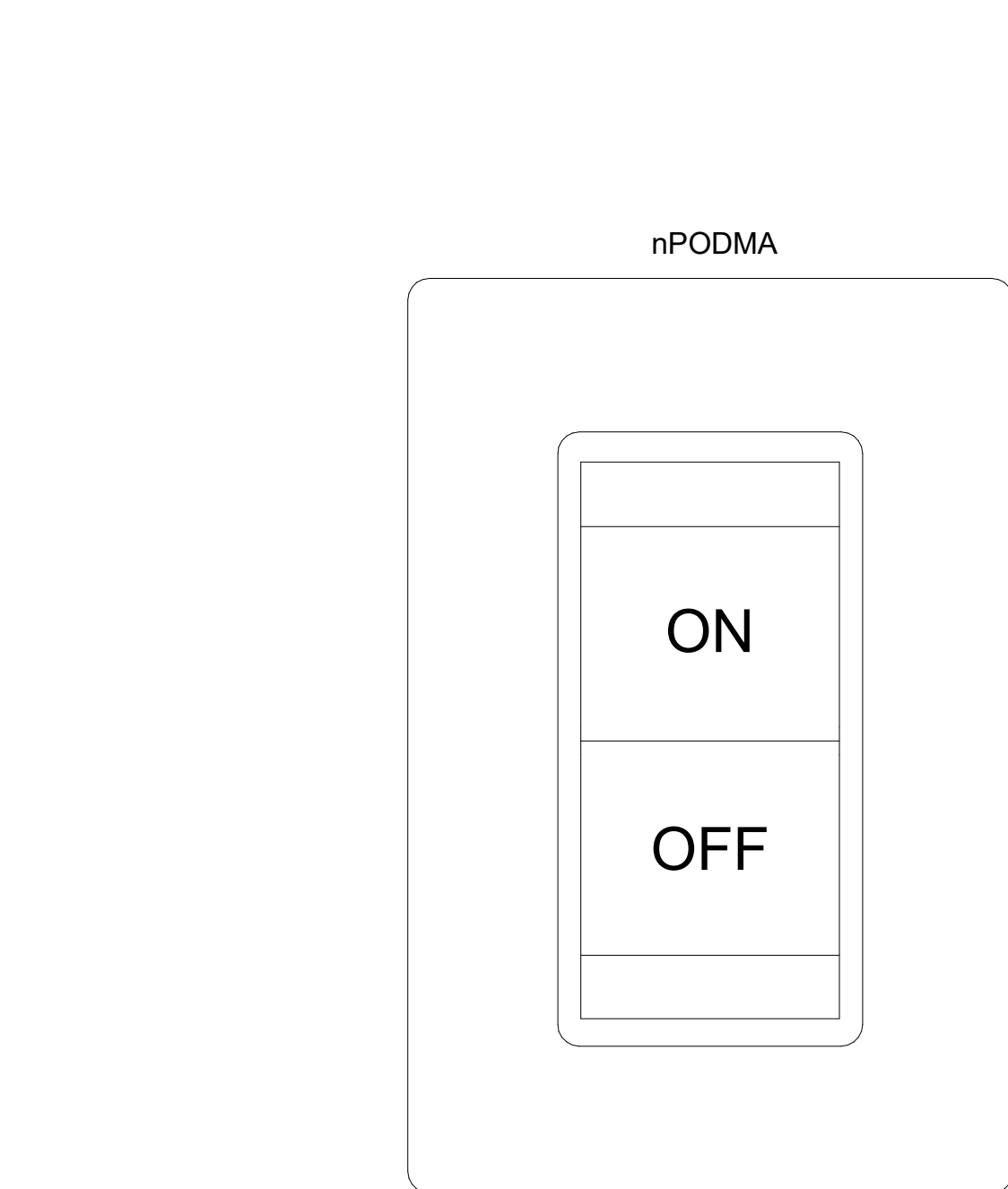
11 TYPICAL WIRING DIAGRAM: NPP16 D EFP
NO SCALE



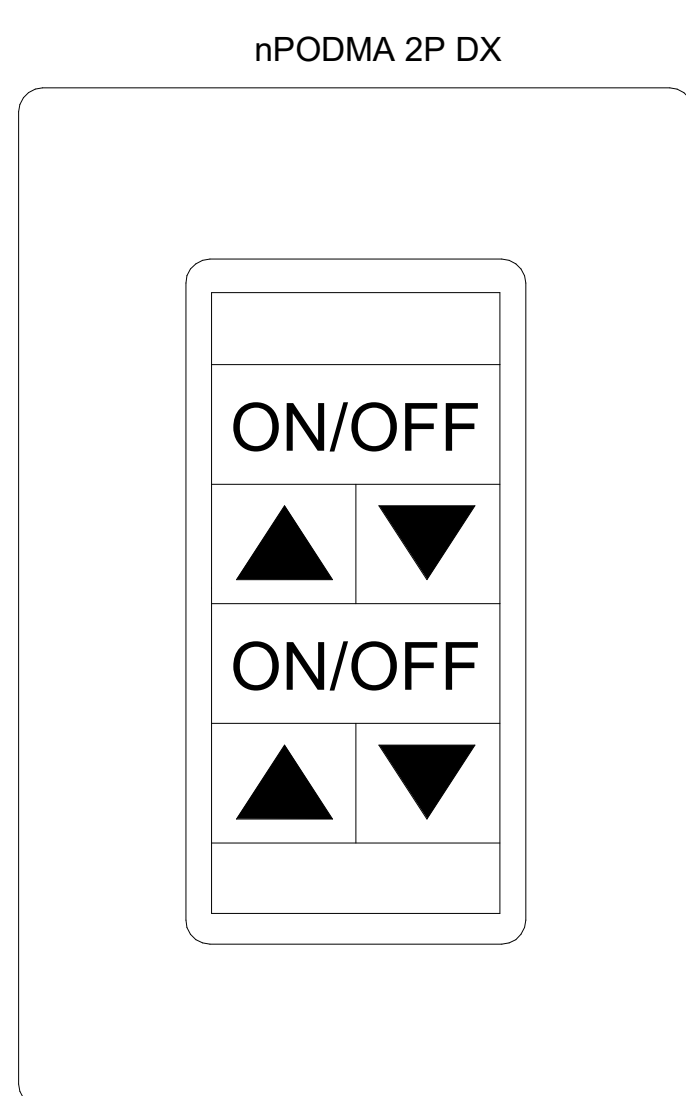
12 TYPICAL WIRING DIAGRAM: NPP16 D ER EFP
NO SCALE



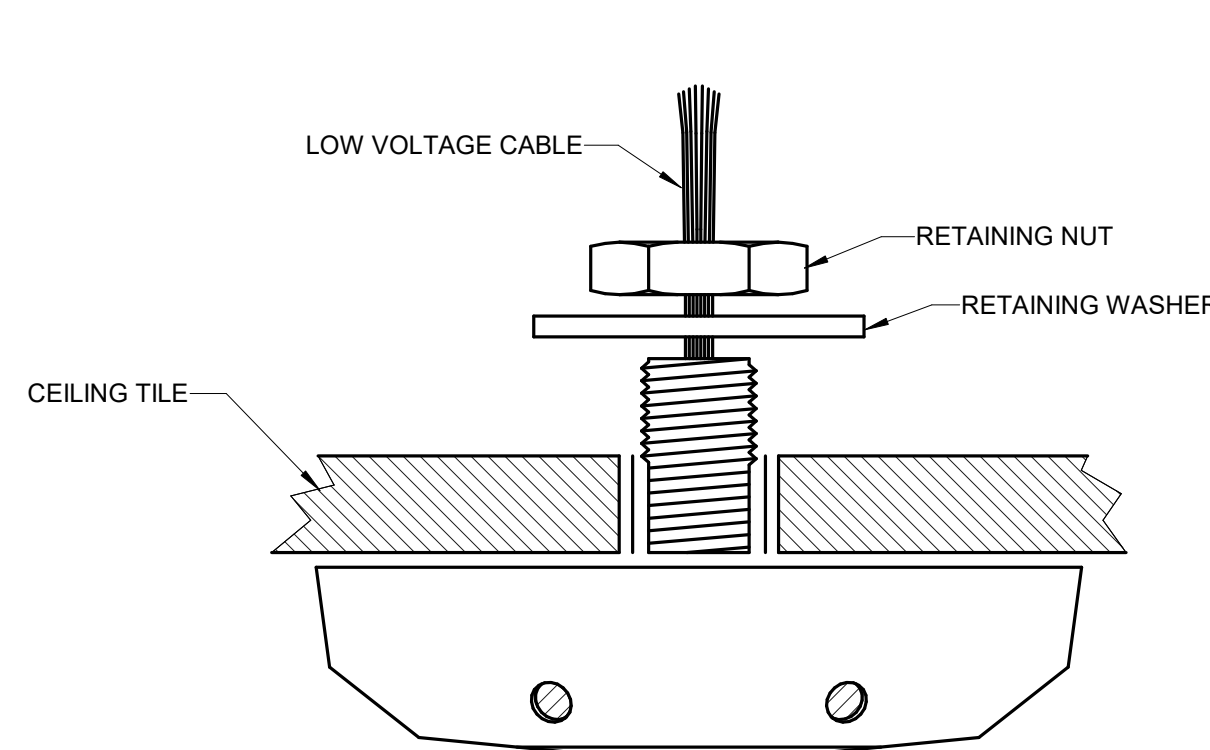
13 TYPICAL WIRING DIAGRAM: NSP5 PCD ELV 120
NO SCALE



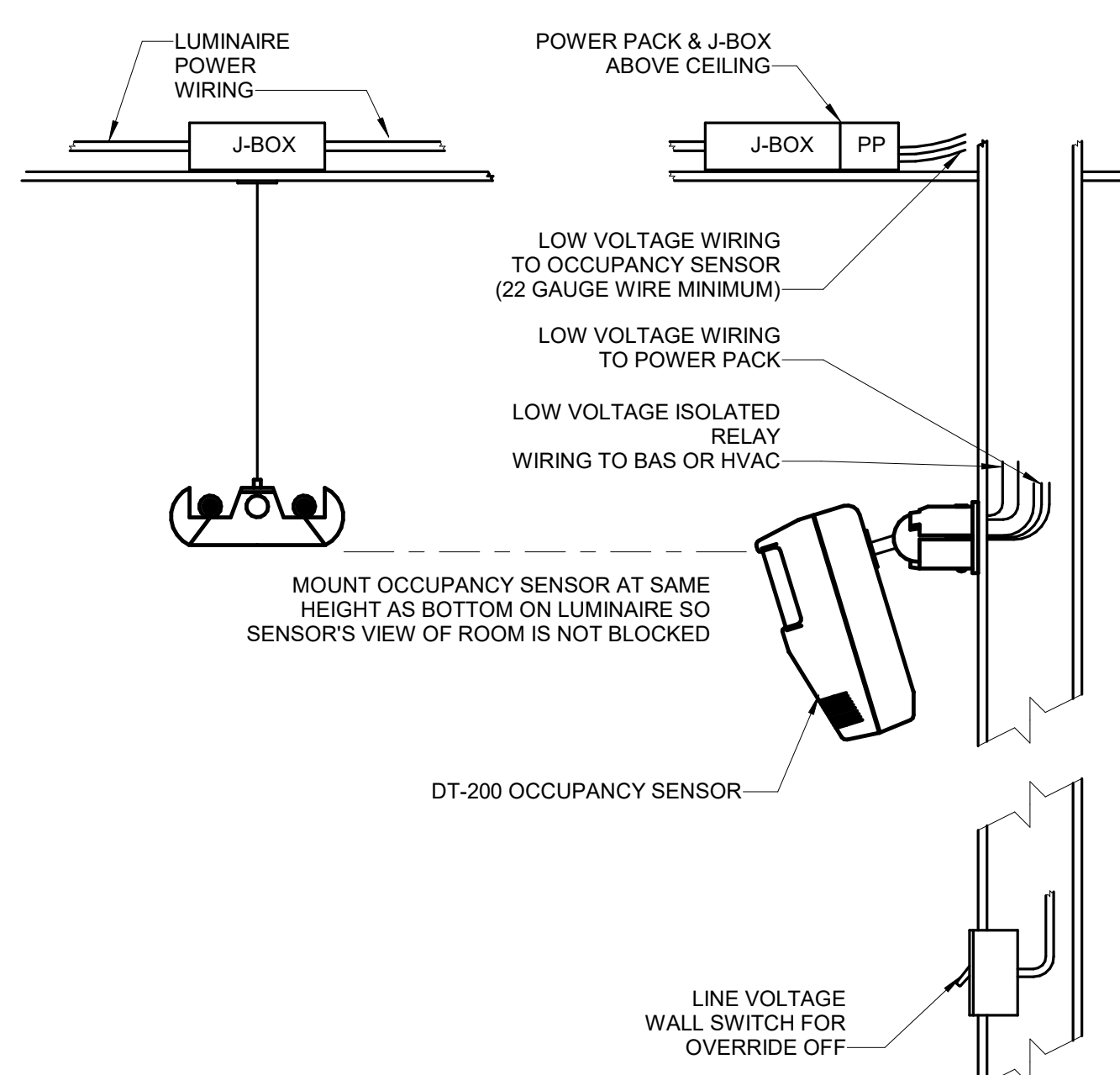
6 SINGLE ZONE SWITCH
NO SCALE



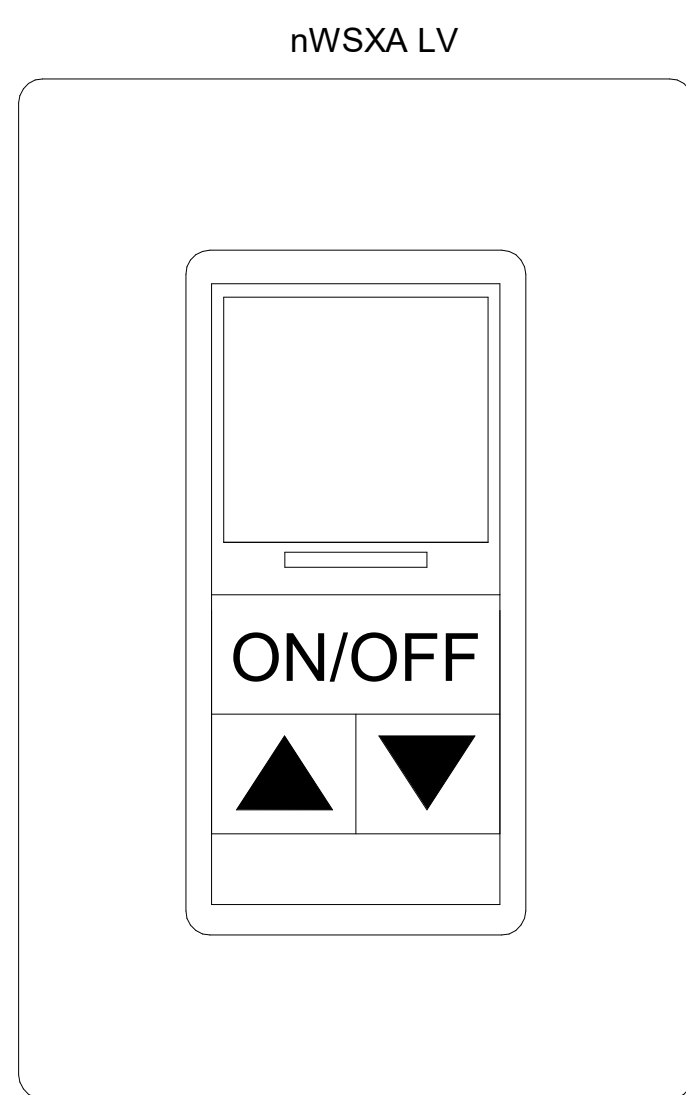
2 MULTI-ZONE DIMMER
NO SCALE



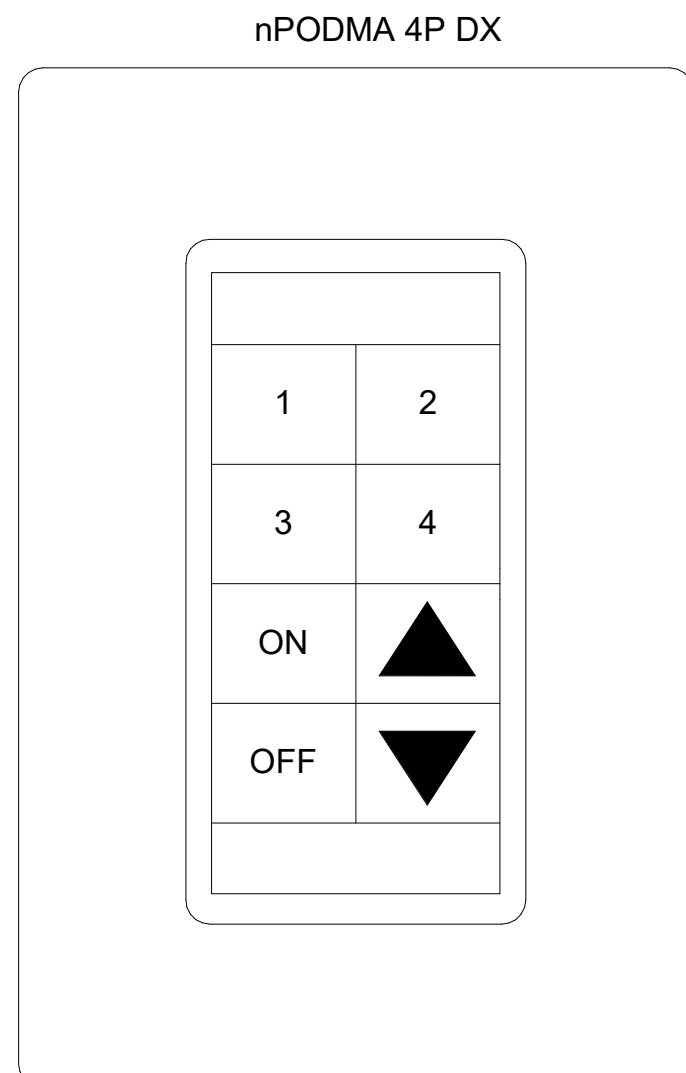
8 SENSOR - CEILING MOUNTED
NO SCALE



7 SENSOR - WALL MOUNTING
NO SCALE



3 OCCUPANCY SENSOR & DIMMER
NO SCALE



4 SCENE SELECTOR & DIMMER
NO SCALE

RCRBD
Record Set
Electrical
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Steamboat

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Project Name

Steamboat Base Village
Redevelopment

Project Number

003.7835.000

Description

ELECTRICAL DETAILS

Scale

As indicated

1C-E8.002