

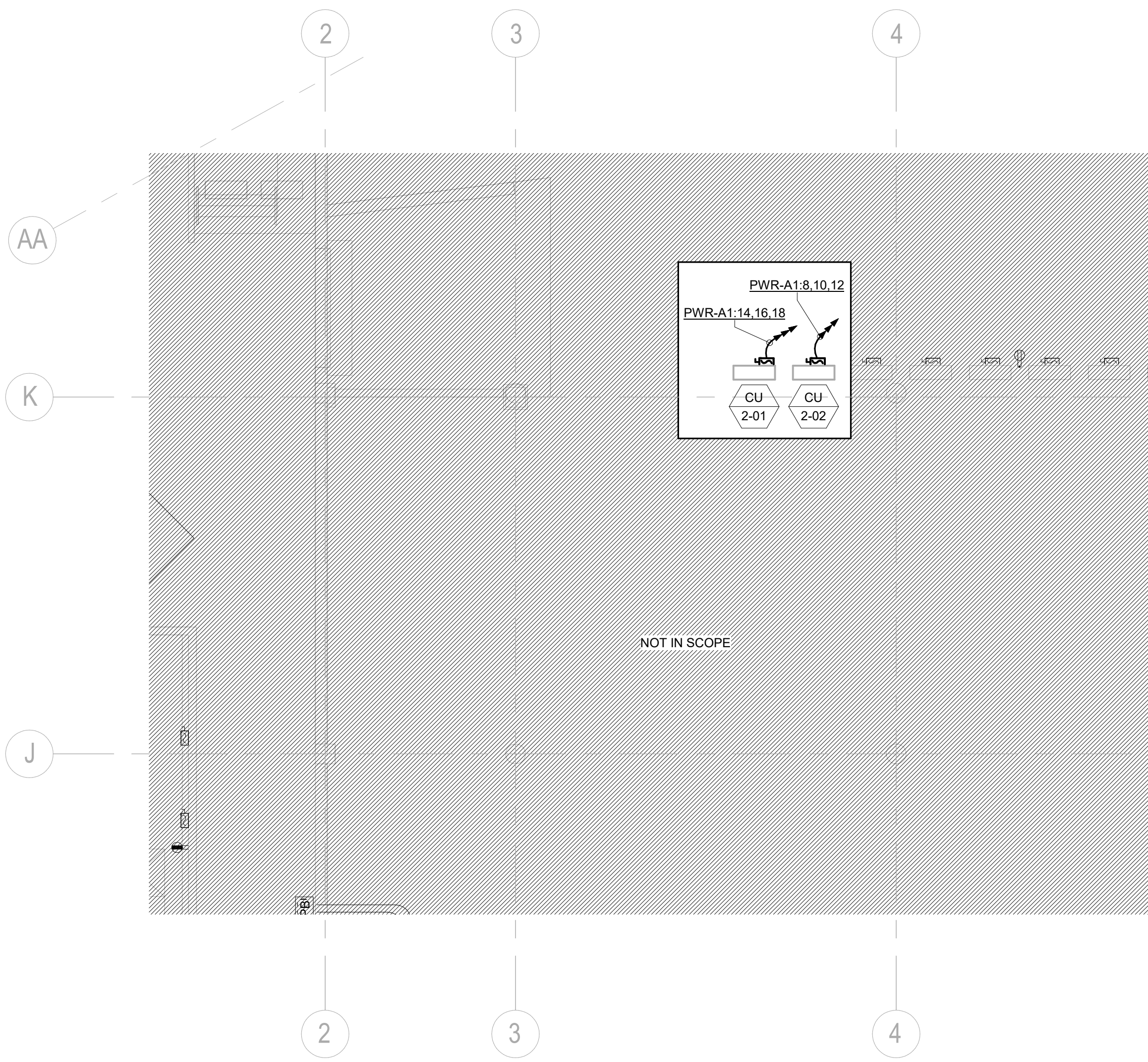
MDS									
LOCATION:			VOLTAGE: 480/277 Wye				BUS: 2000 A		
SUPPLY FROM: UTILITY TRANSFORMER			SCCR: RE:ONE-LINE				MAIN: 2000 A - MCB		
LOADS SUMMARY	EXIST	LTG	RECPT	MOTOR	MISC.	KITCHEN	ELECTRIC HEAT	EV CHARGE	Load
(EX) MECH IIA	207845	1074	9380	110494	42660	2688	8182		382323 VA 460 A
(EX) MECH IIB	92455	6193	35820	8865	13420	10824	8094		177870 VA 214 A
(EX) BRH		378	1080	213528	1750		20785		237521 VA 286 A
GWH	55372	12158	17320	63023	2120		16320		166673 VA 200 A
CONNECTED TOTALS (V-A)	355672	19803	63600	395910	59660	13512	53381		964388 VA 1160 A
DIVERSITY FACTORS	125%	100%	58%	107%	55%	100%			
DEMAND TOTAL (V-A)	444590	19803	36800	422097	59950	8783	53381		1047964 VA 1261 A

NOTE:
THE EXISTING PANEL 'GWH' (ABOVE) IS INDICATED ABOVE TO JUSTIFY LOAD FOR NEW SCOPE ASSOCIATED WITH THIS PROJECT. THIS PANEL IS EXISTING, AND NO ADDITIOAL LOAD IS BEING ADDED OTHER THAN THAT SHOWN ON GWH (RIGHT).

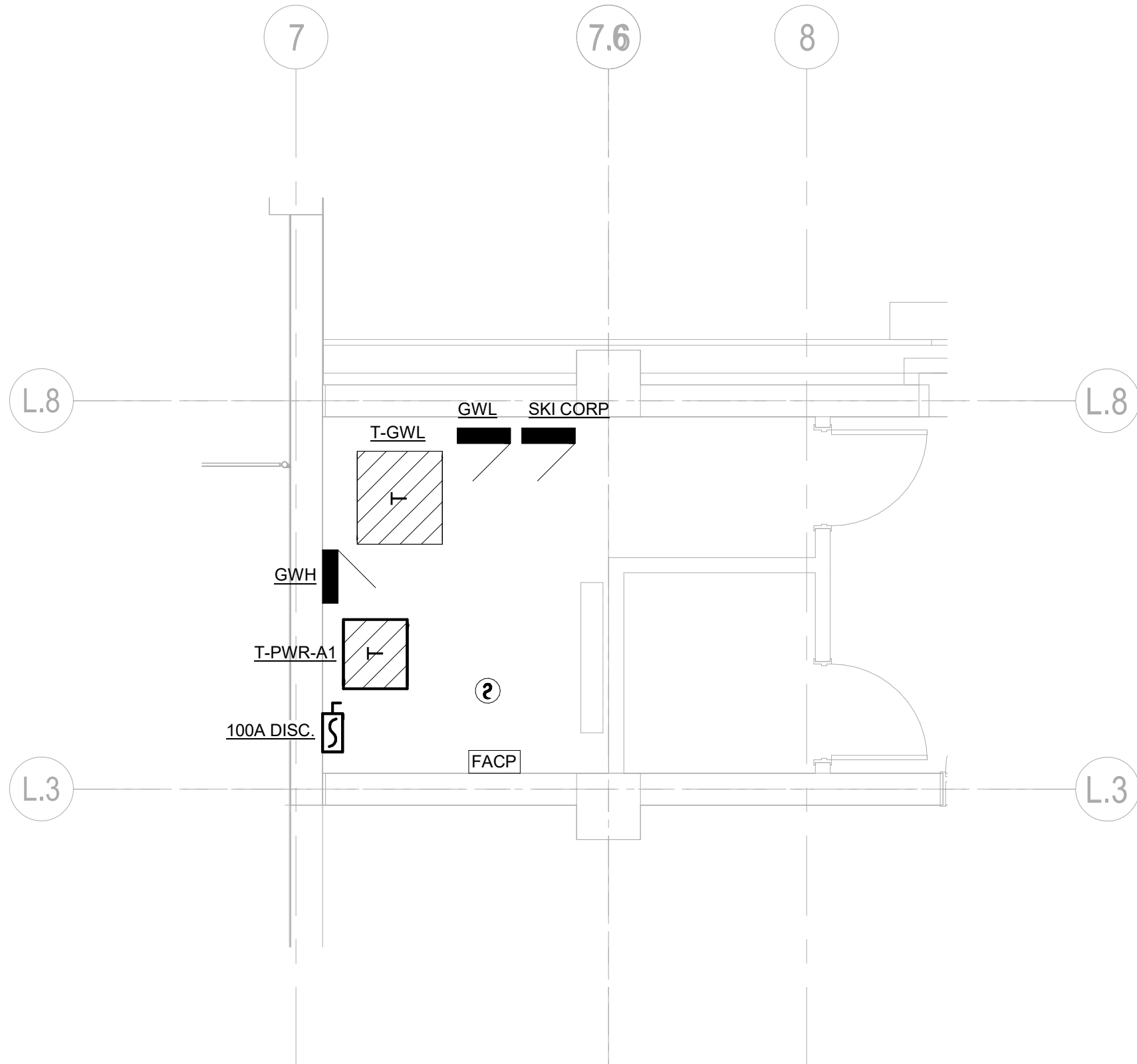
Steamboat Base Village Redevelopment										ME Engineers Inc.										PANEL		GWH					
480/277 Wye										BUS: 400 A										ENCLOSURE:		Type 1					
3 Phase, 4 Wire + Gnd. 60Hz.										MAINS: 400 A - MCB										MOUNTING:		Surface					
SCCR:										GROUND BUS: Copper										FED FROM:		MDS					
NOTES:										OPTIONS:										LEVEL:		PLAZA - LEVEL 01					
1. EXISTING BREAKER																				LOCATION:		ELECTRICAL 14					
2. NEW BREAKER ASSOCIATED WITH THIS PROJECT SCOPE.																				ISSUE DATE:							
REFER TO DETAILS AND SPECIFICATION SECTION FOR PANELBOARD LAMINATED PLAQUE REQUIREMENTS.																											
N	LC	DESCRIPTION								P	OC	CKT	A	B	C	CKT	OC	P	DESCRIPTION	LC	N						
1	M	ESCALATOR #1								3	30	1	4157	321			2	20	1	GOLD WALK SITE LIGHTING (ZONES G.S.2 - G.S.5)	L	R					
--	--	--								--	--	--	3	--	4157	779		4	20	1	STAR AND ESCALATOR LIGHTING	L	1				
--	--	--								--	--	--	5	--			4157	1920	6	20	1	ESCALATOR CANOPY HEAT TRACE	X	1			
1	M	ESCALATOR #2								3	30	7	4157	656			8	20	1	ART WALL & BRAND WALL DMX LTG	L	1					
--	--	--								--	--	--	9	--	4157	0		10	20	1	SPARE	--	1				
--	--	--								--	--	--	11	--			4157	0	12	20	1	SPARE	--	1			
1	--	SPARE								1	20	13	0	0			14	20	1	SPARE	--	1					
1	--	SPARE								1	20	15		0	0	0	16	20	1	SPARE	--	1					
1	--	SPARE								1	20	17			0	0	18	20	1	SPARE	--	1					
1	M	ESP-1								3	20	19	942	0			20	20	1	SPARE	--	1					
--	--	--								--	--	--	21	--	942	0		22	20	1	SPARE	--	1				
--	--	--								--	--	--	23	--		942	0	24	20	1	SPARE	--	1				
1	--	SPARE								1	20	25	0	0			26	20	1	SPARE	--	1					
1	--	SPARE								1	20	27		0	0		28	20	1	SPARE	--	1					
1	--	SPARE								1	20	29			0	0	30	20	1	SPARE	--	1					
1	--	SPARE								1	20	31	0	10272			32	70	3	T-PWR-A1	L	2					
1	--	SPARE								1	20	33		0	8932		34	--	--	--	--	--					
1	--	SPARE								1	20	35			0	8173	36	--	--	--	--	--					
1	--	SPARE								1	20	37	0	34970			38	225	3	T-GWL	L	1					
1	--	SPARE								1	20	39		0	36940		40	--	--	--	--	--					
1	--	SPARE								1	20	41			0	35944	42	--	--	--	--	--					
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		59801		60388		59705		179974		LIGHTING		12158		100%		12158		15									
CNCTD		55474		55909		52302		166673		RECEPTACLE		17320		75%		13060		16									
										MOTOR		63023		105%		66141		80									
										MISCELLANEOUS		2120		100%		2120		3									
										KITCHEN																	
										ELECTRIC HEAT										16320		16320		20			
										EV CHARGING																	
										EXISTING										55372		125%		69215		83	

NOTE:
THE EXISTING PANEL 'GWH' (ABOVE) IS INDICATED ABOVE TO JUSTIFY LOAD FOR NEW SCOPE ASSOCIATED WITH THIS PROJECT. THIS PANEL IS EXISTING, AND THE ONLY NEW SCOPE ASSOCIATED WITH THIS PANEL IS THE 3-POLE BREAKER FEEDING TRANSFORMER 'T-PWR-A1'.

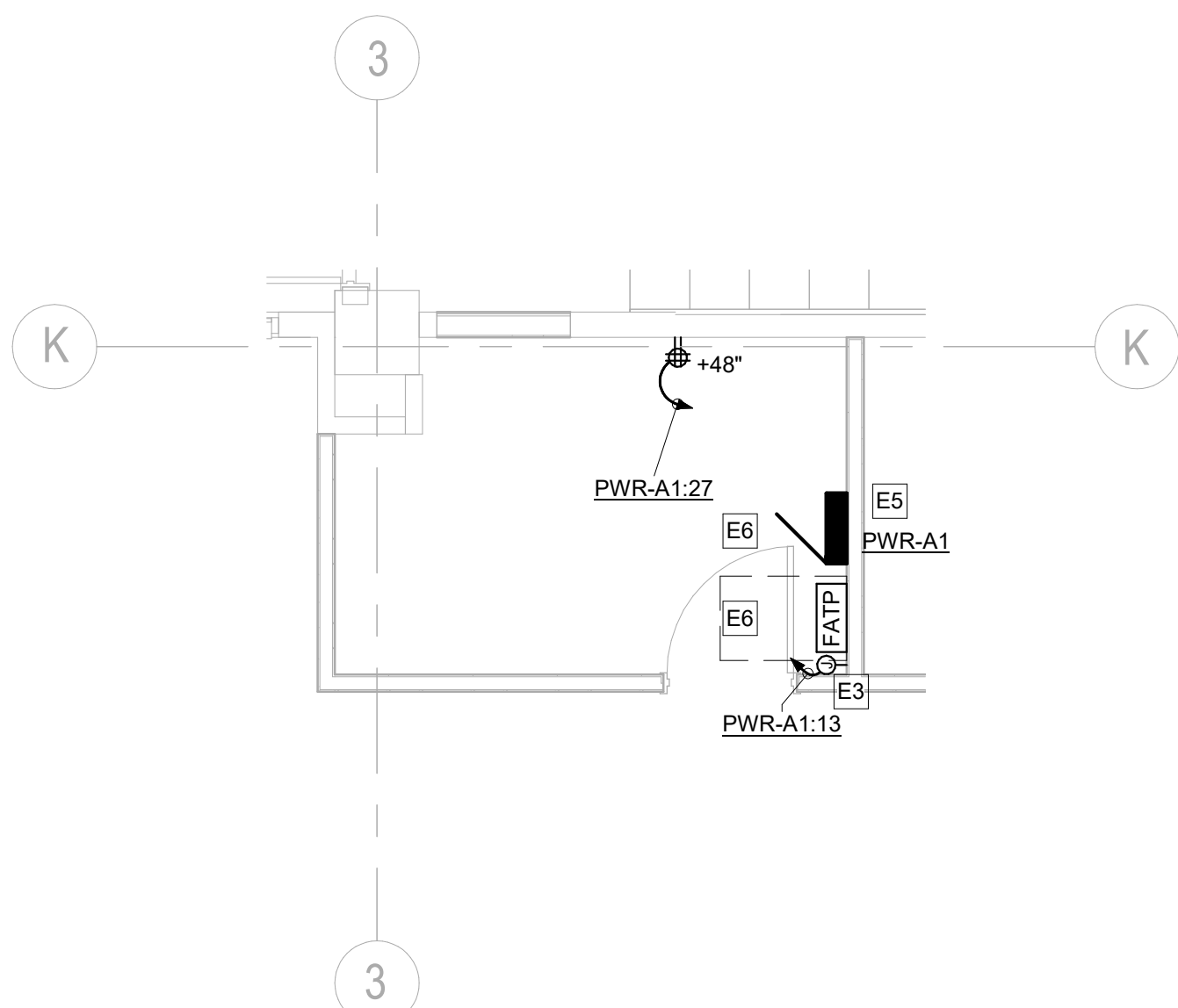
Steamboat Base Village Redevelopment										ME Engineers Inc.					PANEL		PWR-A1				
120/208 Wye										BUS: 150 A					Type 1		Surface				
3 Phase, 4 Wire + Gnd. 60Hz.										MAINS: 150 A - MCB					ENCLOSURE:		MOUNTING:				
SCCR:										GROUND BAR: Copper					FED FROM:		T-PWR-A1				
NOTES:										OPTIONS:					LEVEL:		LEVEL 03				
1. PROVIDE RED FIRE ALARM BREAKER WITH LOCKOUT PROVISION.															LOCATION:		NEW RETAIL 17				
															ISSUE DATE:						
REFER TO DETAILS AND SPECIFICATION SECTION FOR PANELBOARD LAMINATED PLAQUE REQUIREMENTS.																					
N	LC	DESCRIPTION				P	OC	CKT	A	B	C	CKT	OC	P	DESCRIPTION	LC	N				
R		GENERAL RECEP'TS TENANT 2B.301				1	20	1	1080	1921			2	20	3	EDH 2-01	M	--			
R		SHOW WINDOW RECEPTACLES				1	20	3		360	1921		4	--	--	--	--	--			
		MOTORIZED DAMPERS BLDG. A RETAIL				1	20	5			360	1921	6	--	--	--	--	--			
M		SF 2-01				1	20	7	372	1921			8	20	3	CU 2-02	M	--			
R		GENERAL RECEP'TS TENANT 2B.301				1	20	9		900	1921		10	--	--	--	--	--			
R		SHOW WINDOW RECEPTACLES				1	20	11			540	1921	12	--	--	--	--	--			
1	X	FIRE ALARM TRANSDUCER PANEL				1	20	13	200	1921			14	20	3	CU 2-01	M	--			
L		EM LTG - L20 MONOPOINT LTG				1	20	15		120	1921		16	--	--	--	--	--			
L		NM LTG - STORAGE & CHANGING ROOM LTG				1	20	17			81	1921	18	--	--	--	--	--			
L		TRACK LTG - ZONE A				1	20	19	1200	228			20	20	2	FCU 2-02	M	--			
L		TRACK LTG - ZONE B				1	20	21		1200	228		22	--	--	--	--	--			
L		TRACK LTG - ZONE C				1	20	23			1200	228	24	--	--	--	--	--			
L		TRACK LTG - ZONE A				1	20	25	1200	228			26	--	--	--	--	--			
R		STORAGE ROOM QUAD RECEPT				1	20	27		360	0		28	20	1	SPARE	--	--			
--		SPARE				1	20	29			0	0	30	20	1	SPARE	--	--			
--		SPARE				1	20	31	0	0			32	20	1	SPARE	--	--			
--		SPARE				1	20	33		0	0	0	34	20	1	SPARE	--	--			
--		SPARE				1	20	35			0	0	36	20	1	SPARE	--	--			
--		SPARE				1	20	37	0	0			38	20	1	SPARE	--	--			
--		SPARE				1	20	39			0	0	40	20	1	SPARE	--	--			
--		SPARE				1	20	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 @ 120/208 Wye												
CALC	10613	9402	8603	28818	LIGHTING	5001	100%	5001	14												
CNCTD	10072	8932	8173	27377	RECEPTACLE	3240	100%	3240	9												
DOWNSTREAM FEED THROUGH LGD PANELS										MOTOR	18576	106%	20017	56							
										MISCELLANEOUS	200	100%	200	1							
CONDUCTOR COLORS (EC TO LABEL IN PANEL)										KITCHEN											
										ELECTRIC HEAT											
										EV CHARGING											
										EXISTING											
A	28817/126				480/277																
B	BLACK				BROWN																
C	RED				ORANGE																
D	BLUE				YELLOW																
E	WHITE				WHITE GRAY STRIP																
N	GREEN																				
G	GREEN																				
TOTAL										27377	28818		80								



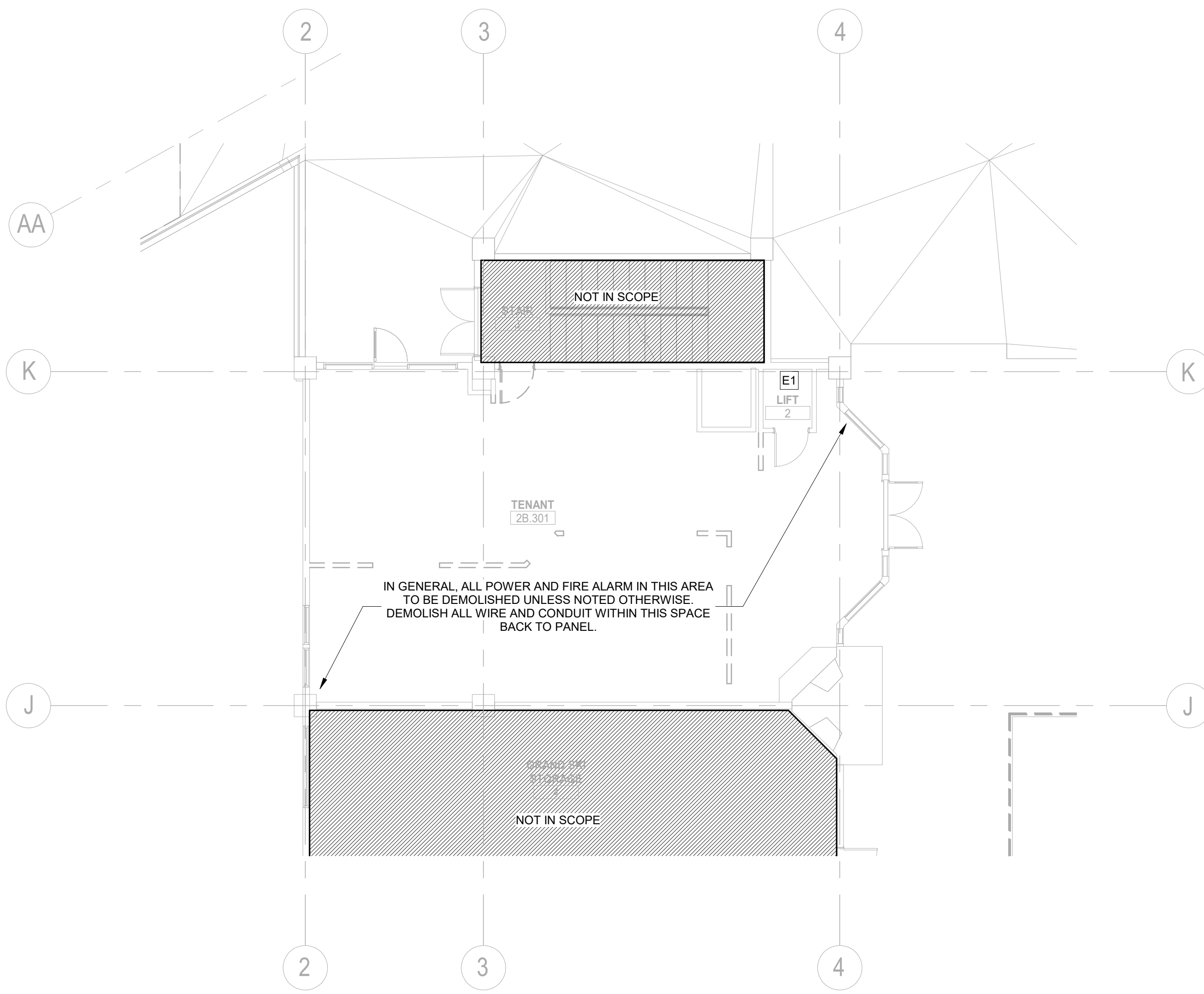
5 ELECTRICAL PLAN - PARKING GARAGE
SCALE: 1/8" = 1'-0"



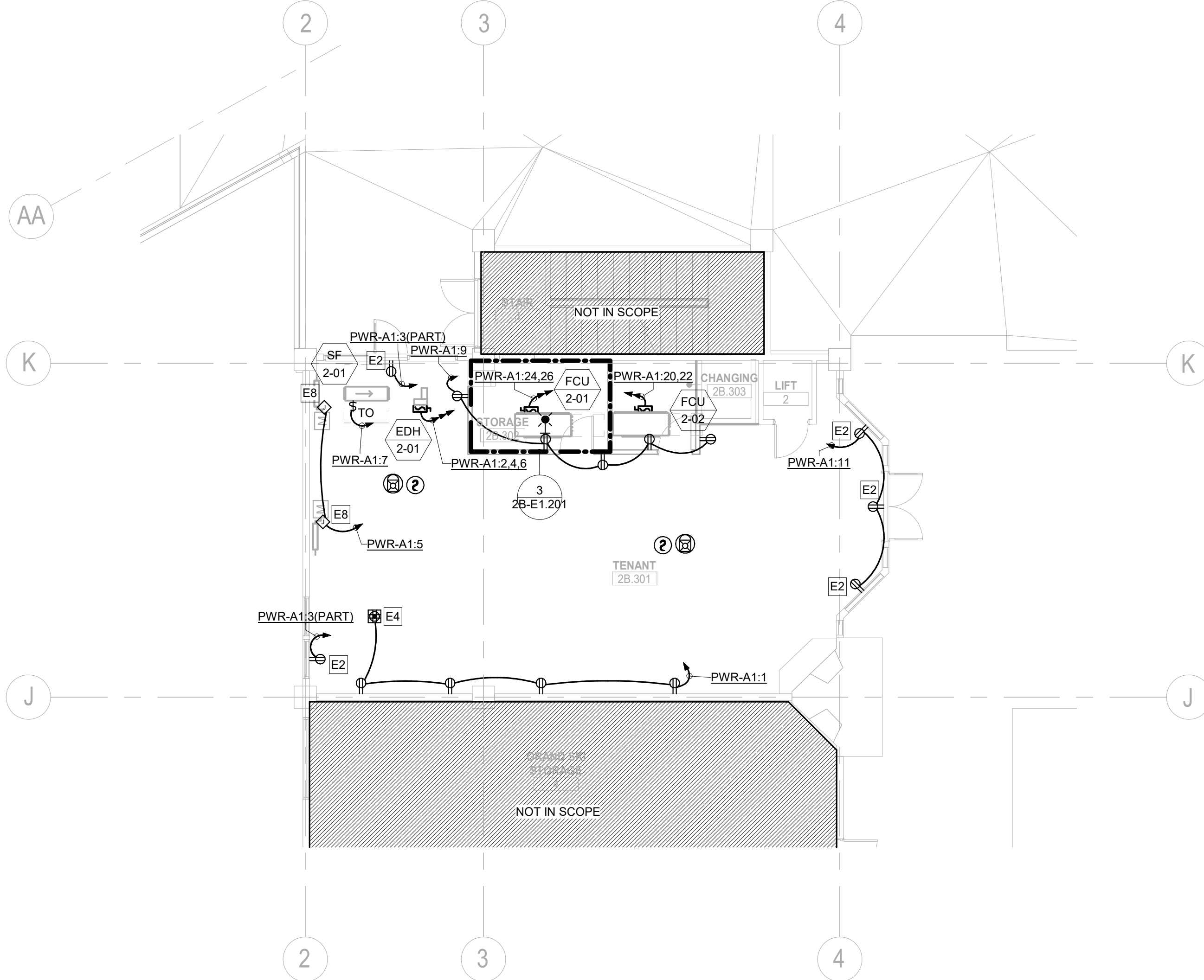
4 ENLARGED GOLD WALK ELECTRICAL ROOM
SCALE: 1/4" = 1'-0"



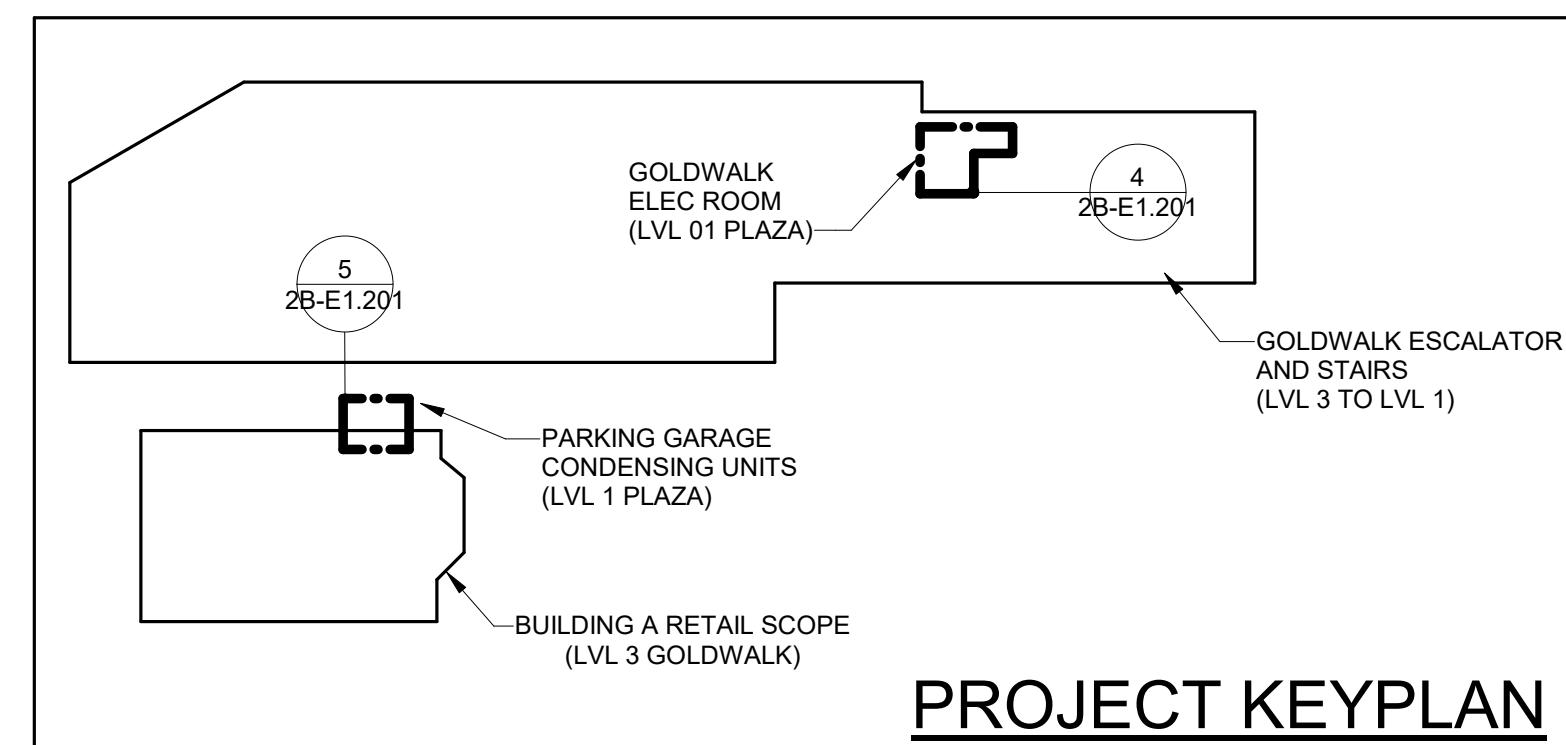
3 ENLARGED ELECTRICAL PLAN STORAGE 2B.302
SCALE: 1/4" = 1'-0"



1 ELECTRICAL DEMOLITION PLAN - LEVEL 03
SCALE: 1/8" = 1'-0"



2 ELECTRICAL PLAN - LEVEL 03
SCALE: 1/8" = 1'-0"



PROJECT KEYPLAN

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. 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

E1	ALL POWER & CIRCUITING ASSOCIATED WITH LIFT TO REMAIN. REFER TO LEVEL ABOVE AND BID PACK 4D DRAWINGS FROM PREVIOUS CONSTRUCTION PHASE OF THIS BUILDING FOR POWER CONNECTION INFORMATION.
E2	PROVIDE 120V DUPLEX FOR SHOW WINDOW POWER LOCATED 8' ABOVE WINDOW. CIRCUIT NO MORE THAN 3 SHOW WINDOW RECEPTACLES ON ONE CIRCUIT.
E3	PROVIDE 120V/1P ELECTRICAL CONNECTION FOR FIRE ALARM TRANSponder PANEL. TRANSponder PANEL TO TIE INTO THE REST OF THE BUILDING FIRE ALARM SYSTEM FOR A SINGLE SYSTEM THROUGHOUT GONDOLA SQUARE. FIRE ALARM MANUFACTURER TO MATCH BASE BUILDING FIRE ALARM SYSTEM FOR INTERFACE WITH GONDOLA SQUARE EXISTING FIRE ALARM SYSTEM. PROVIDE RED FIRE ALARM BREAKER AND BREAKER LOCKOUT FOR BREAKER AT PANEL.
E4	PROVIDE RECESSED POKE THRU FOR POWER/DATA/AV. REFER TO TECHNOLOGY AND AV PLANS FOR EXACT LOW VOLTAGE CONNECTION REQUIREMENTS AT FLOOR BOX. PROVIDE 1" CONDUIT AT MINIMUM FOR AV/IT CONNECTIONS. REFER TO DETAIL 7/2B-E8.000 FOR MORE INFORMATION.
E5	PROVIDE 208/120V/3PH PANEL FED FROM NEW BREAKER AS INDICATED PER ELECTRICAL ONE LINES. REMOVE EXISTING SPARES AND REPLACE WITH NEW BREAKER IN GWH PANEL. ALL EXPOSED CONDUIT TO BE COORDINATED WITH ARCHITECT.
E6	REFER TO DETAIL 6/2B-E8.000 FOR EQUIPMENT CLEARANCE MARKING.
E8	PROVIDE 120V/1P ELECTRICAL CONNECTION TO MOTORIZED DAMPER. REFER TO MECHANICAL DRAWINGS AND COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT CONNECTION LOCATION AND REQUIREMENTS.

Steamboat.
ALTRERRA east west partners
MOUNTAIN COMPANY

2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street Suite 150
Denver, CO 80202
United States
Tel 303.595.8585 Fax 303.825.6823

me
engineers

14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6555

Date	Description
1 05/20/2022	ISSUE FOR CONSTRUCTION

Seal / Signature



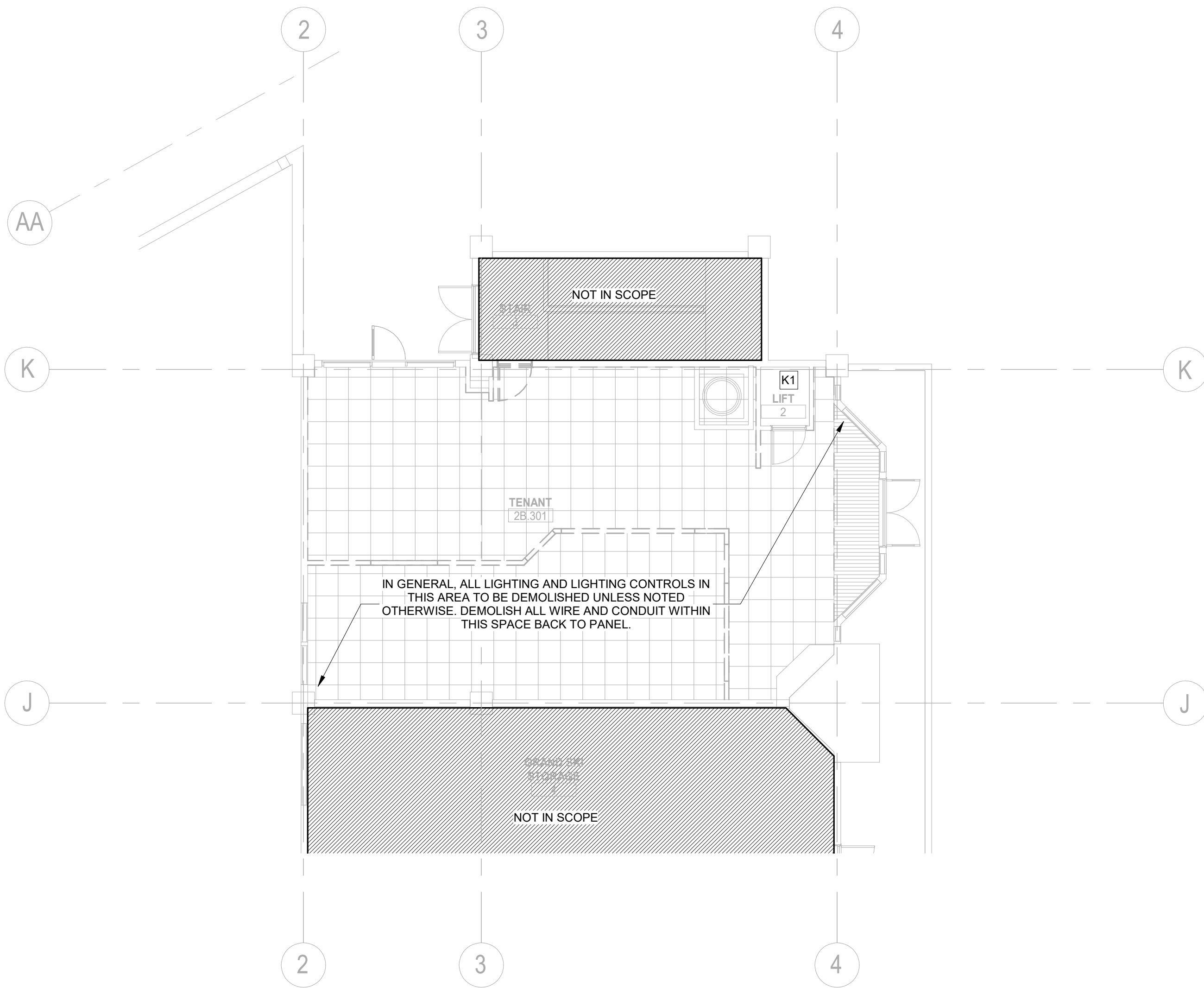
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

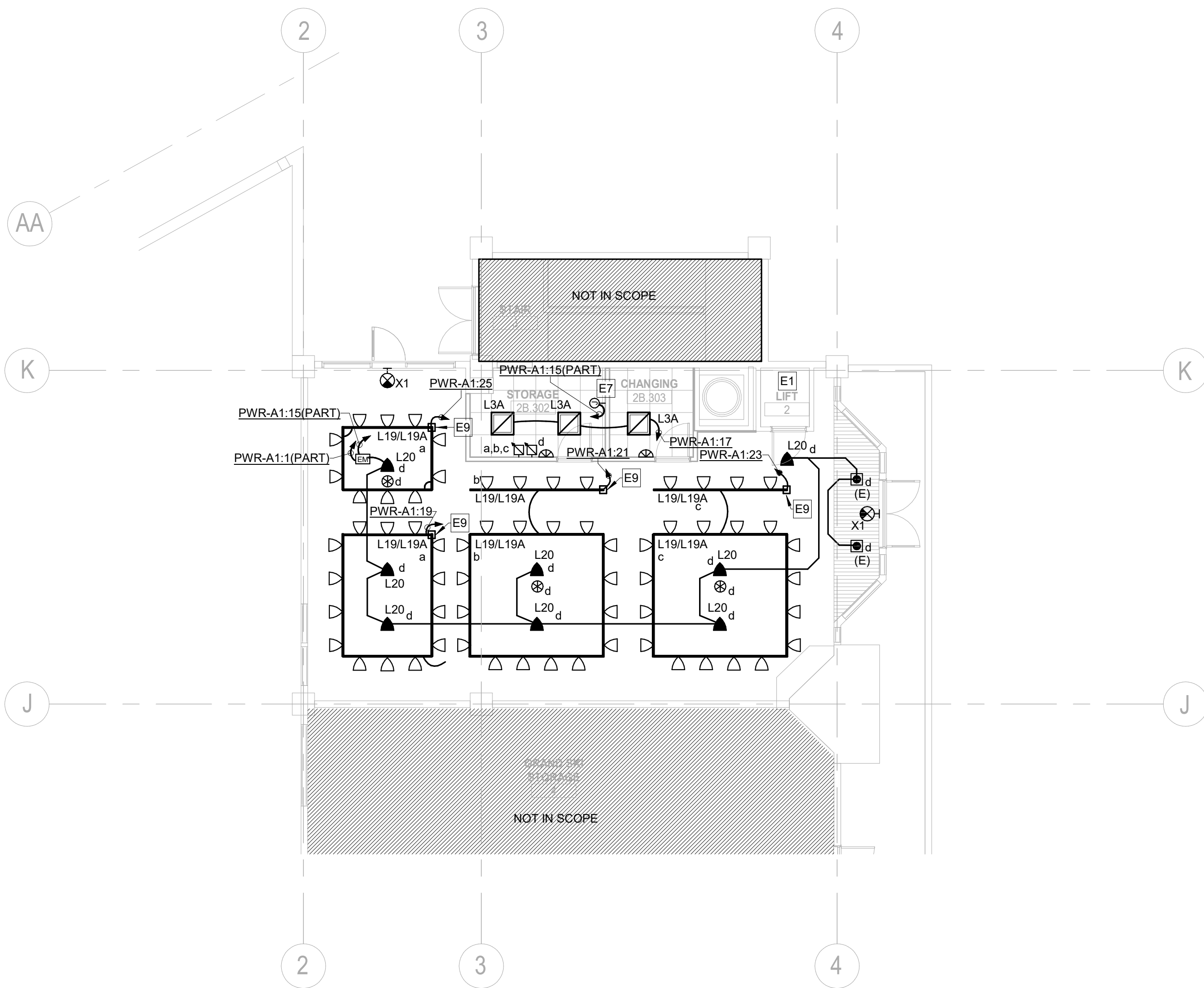
Description
ELECTRICAL PLAN - LEVEL 03

Scale
As indicated

2B-E1.201



1 LIGHTING DEMOLITION PLAN - LEVEL 03
SCALE: 1/8" = 1'-0"



2 LIGHTING PLAN - LEVEL 03
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. 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.

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

3. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR AND CABLETRAY/IT CONTRACTOR FOR PLACEMENT OF FIXTURES WITHIN ROOMS.

4. ALL LIGHT FIXTURES CALLED OUT FOR DEMOLITION SHALL BE SALVAGED AND TURNED OVER TO THE OWNER FOR EVALUATION AND RETAINAGE. IF OWNER DOES NOT ELECT TO RETAIN LIGHT FIXTURES, CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF ALL LIGHT FIXTURES (INCLUDING FLUORESCENT LIGHT FIXTURES).

5. PROVIDE 90 MINUTE BATTERY BACKUP FOR ALL EXIT SIGNS. CIRCUIT ALL EXIT SIGNS AS FOLLOWS:
BUILDING A - PWR-A-98
BUILDING C & F - PWR-C-19

KEYNOTES	
E1	ALL POWER & CIRCUITING ASSOCIATED WITH LIFT TO REMAIN. REFER TO LEVEL ABOVE AND BID PACK 4D DRAWINGS FROM PREVIOUS CONSTRUCTION PHASE OF THIS BUILDING FOR POWER CONNECTION INFORMATION.
E7	PROVIDE LIGHTING INVERTER TOTAL 115-550-1" 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 8/25-EA-000 FOR EXACT WIRING CONFIGURATION WITH LIGHTING CONTROL AND INVERTER SYSTEM.
E9	PROVIDE TOLP11 (OR APPROVED EQUAL) CURRENT LIMITING FEED PROTECTED BY TOLCB-10A (OR APPROVED EQUAL) 10-AMP CURRENT LIMITING CIRCUIT BREAKER FOR TRACK LIGHTING SECTIONS AS INDICATED PER PLAN.
K1	ALL LIGHTING AND CONTROLS CIRCUITING ASSOCIATED WITH LIFT TO REMAIN. REFER TO LEVEL ABOVE FOR MORE INFORMATION.



ALTRERRA east west partners
MOUNTAIN COMPANY

2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
Denver, CO 80202
United States

Tel 303.595.8585
Fax 303.825.6823

me
engineers

14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6555

△	Date	Description
1	05/20/2022	ISSUE FOR CONSTRUCTION

Seal / Signature



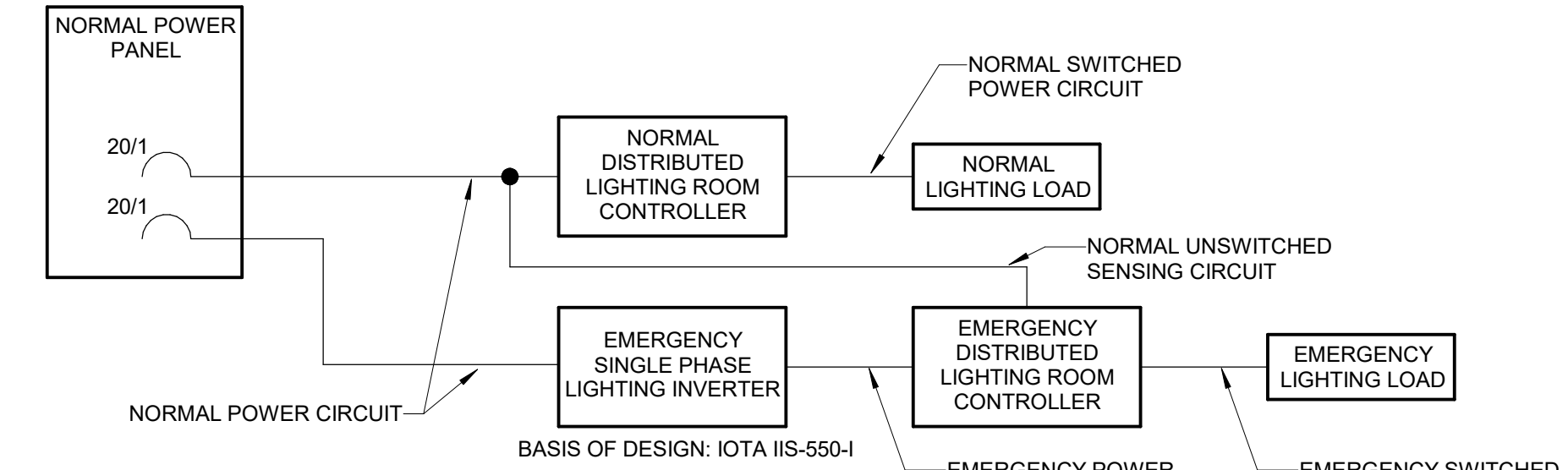
Project Name
Steamboat Base Village
Redevelopment

Project Number
003.7835.000

Description
LIGHTING PLAN - LEVEL 03

Scale
1/8" = 1'-0"

2B-E1.301



8 EMERGENCY LIGHTING INVERTER WIRING DIAGRAM
NO SCALE

GENERAL NOTES:

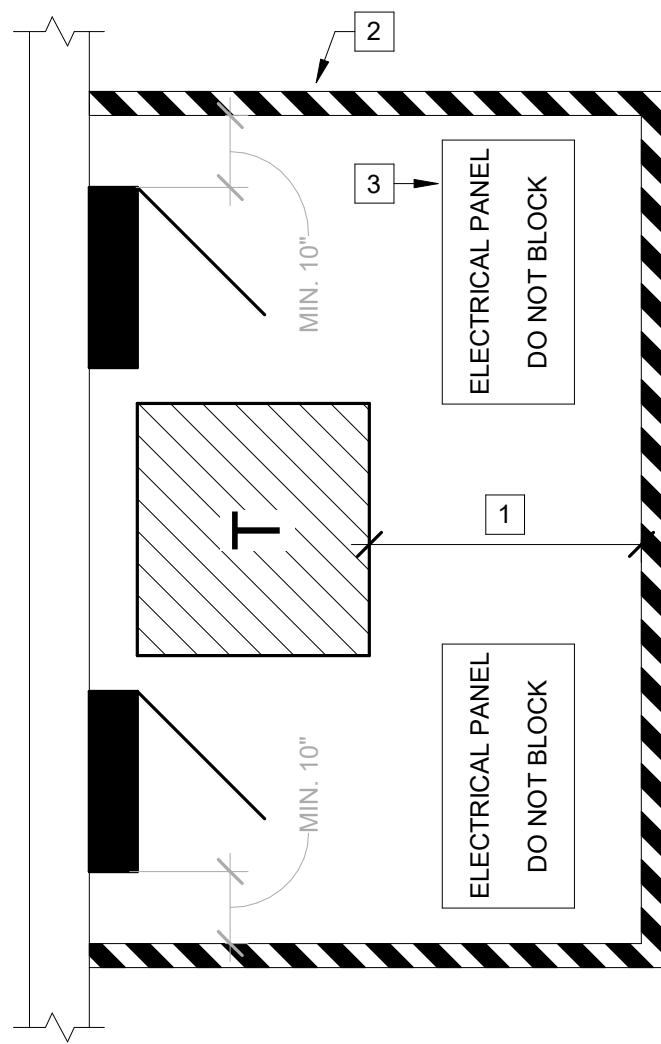
1. COMBINATION POKE-THROUGH DEVICE FOR HOUSING POWER AND COMMUNICATIONS DEVICES. REFER TO WIRING DEVICES SPECIFICATION SECTION FOR ADDITIONAL REQUIREMENTS.
2. ALL DATA CONDUITS SHALL BE ROUTED TO NEAREST COMM ROOM OR CABLE TRAY, U.N.O. REFER TO DEVICE SYMBOL NOTES ON TECHNOLOGY LEGEND TO CONFIRM IF CONDUIT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

KEYNOTES:

- 1 FLOOR BOX:
PROVIDE POKE-THROUGH DEVICE PER DIV 28 WIRING DEVICES SPECIFICATION.
- 2 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.
- 3 POWER:
RECEPTACLES AND CONDUIT/HOUSING SHOWN FOR REFERENCE.
- 4 DATA CONDUIT:
PROVIDE (1) 1-1/4" CONDUIT FOR LOW VOLTAGE CABLING AT EACH APPLICABLE POKE-THROUGH DEVICE.

SYMBOLS = Ø OR ⚡

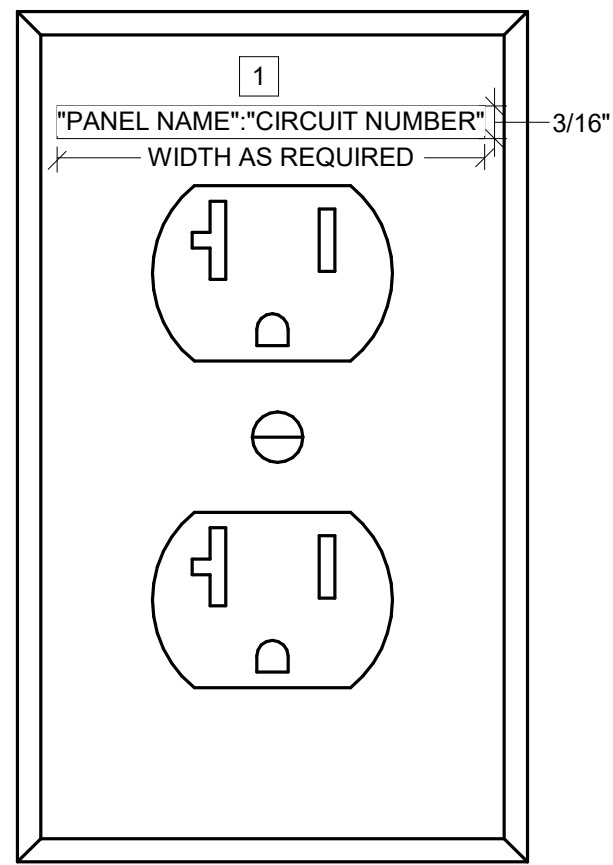
7 STANDARD POKE-THROUGH DEVICE
NO SCALE



KEYNOTES:

- 1 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.
- 2 3" STRIPED, BLACK AND YELLOW FLOOR MARKING HAZARD TAPE. 3M MODEL 5702 OR APPROVED EQUIVALENT.
- 3 PERMANENT, WATER RESISTANT "ELECTRICAL PANEL DO NOT BLOCK" VINYL FLOOR LABEL WITH NFPA 170 PANEL SYMBOL. QUANTITY AND SPACING TO BE DETERMINED BY EOR.

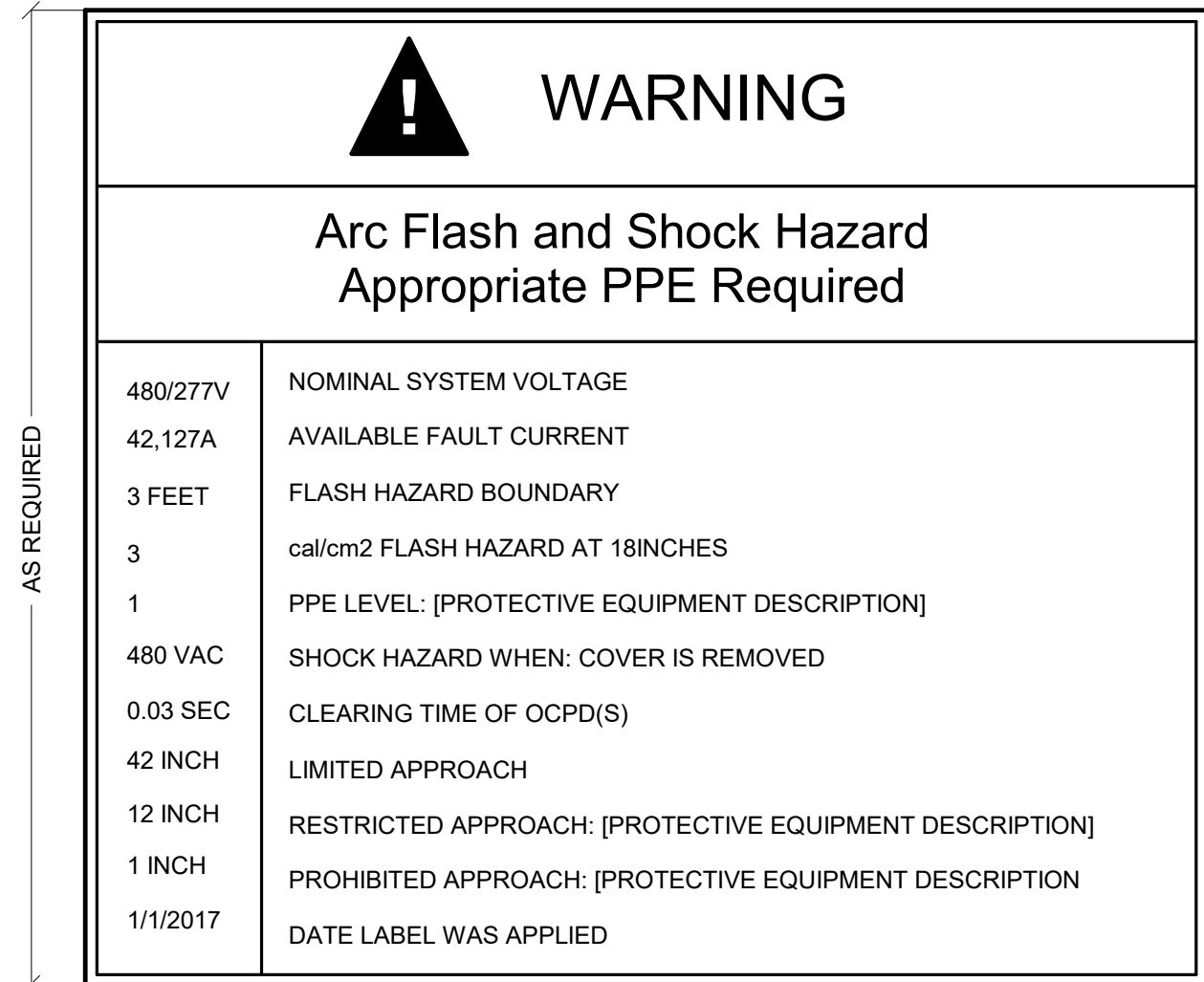
6 ELECTRICAL EQUIPMENT CLEARANCE MARKINGS
NO SCALE



KEYNOTES:

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

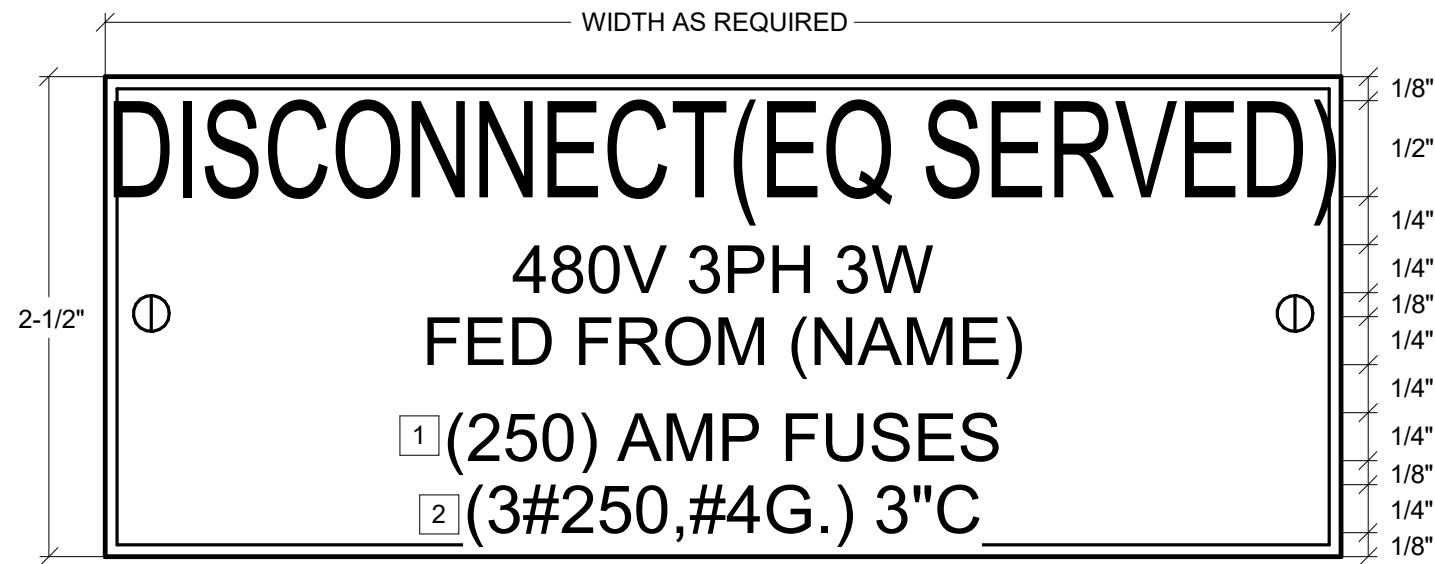
5 RECEPTACLE IDENTIFICATION
NO SCALE



NOTE:

1. SEE SPECIFICATIONS FOR ADDITIONAL NAMEPLATE INFORMATION.

4 ARC FLASH LABEL
NO SCALE

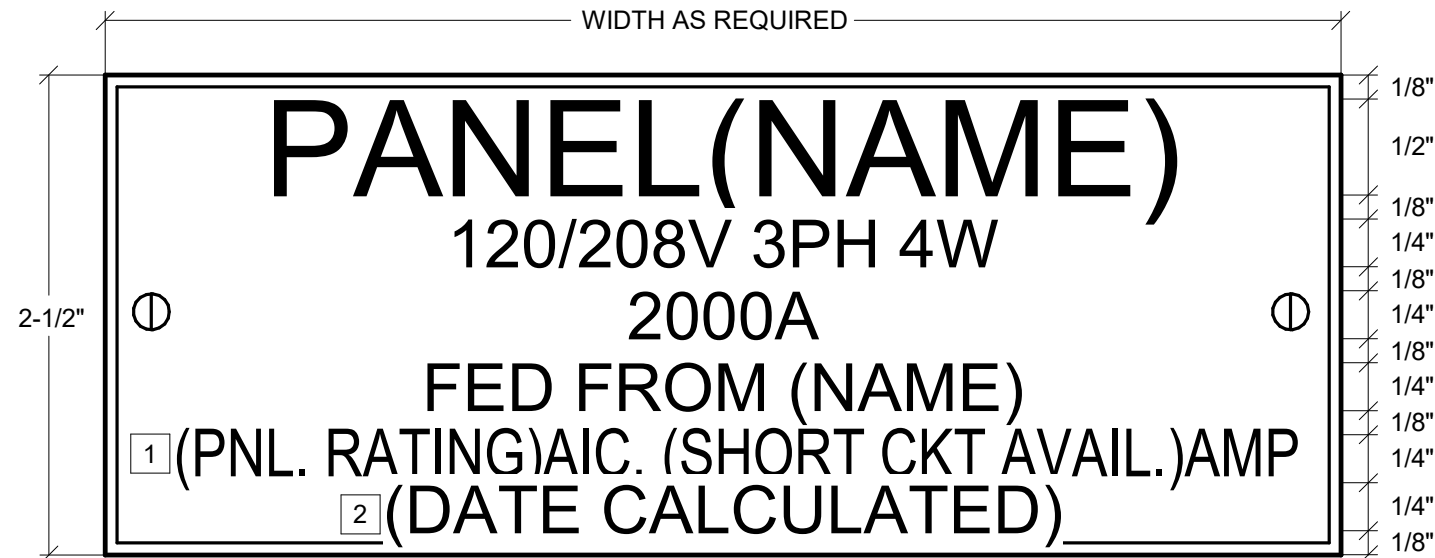


NOTE:

1. SEE SPECIFICATIONS FOR ADDITIONAL NAMEPLATE INFORMATION.

- 1 INDICATE FUSE SIZE, IF APPLICABLE
- 2 INDICATE BRANCH CIRCUIT WIRESIZE

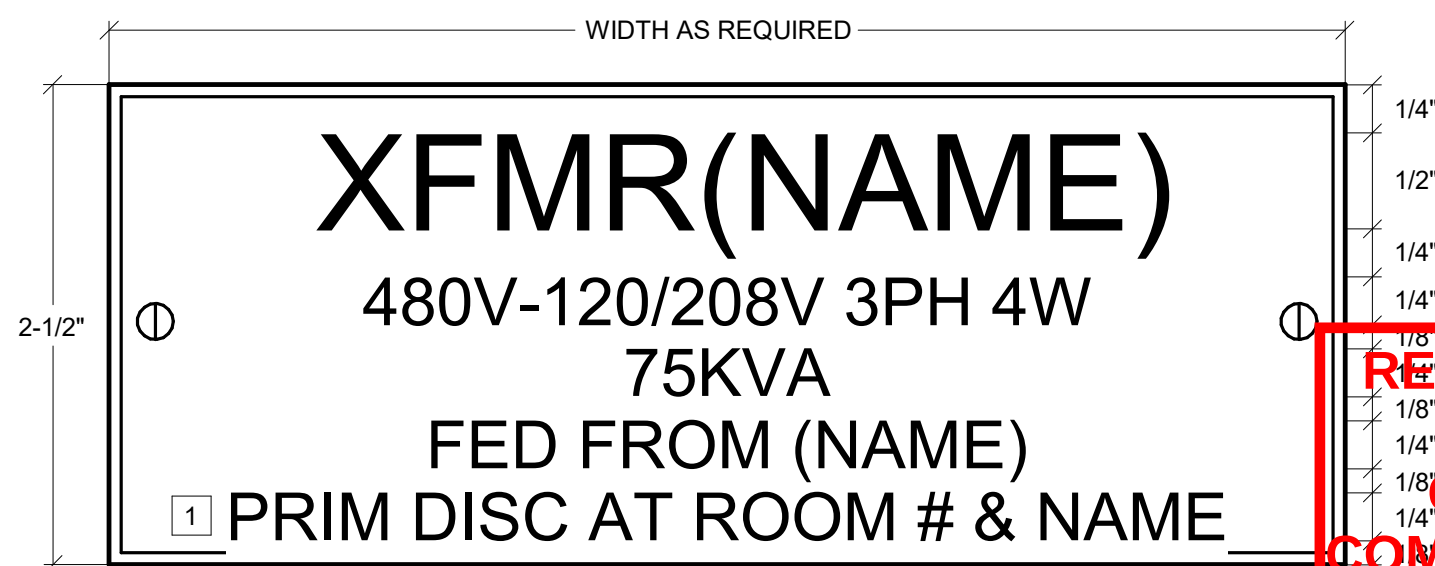
3 DISCONNECT NAMEPLATE
NO SCALE



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

1 TRANSFORMER NAMEPLATE
NO SCALE

REVIEWED
FOR
CODE
COMPLIANCE
06/17/2022

△	Date	Description
1	05/20/2022	ISSUE FOR CONSTRUCTION

Seal / Signature



Project Name
Steamboat Base Village
Redevelopment
Project Number
003.7835.000
Description
ELECTRICAL DETAILS

Scale
As indicated

2B-E8.000