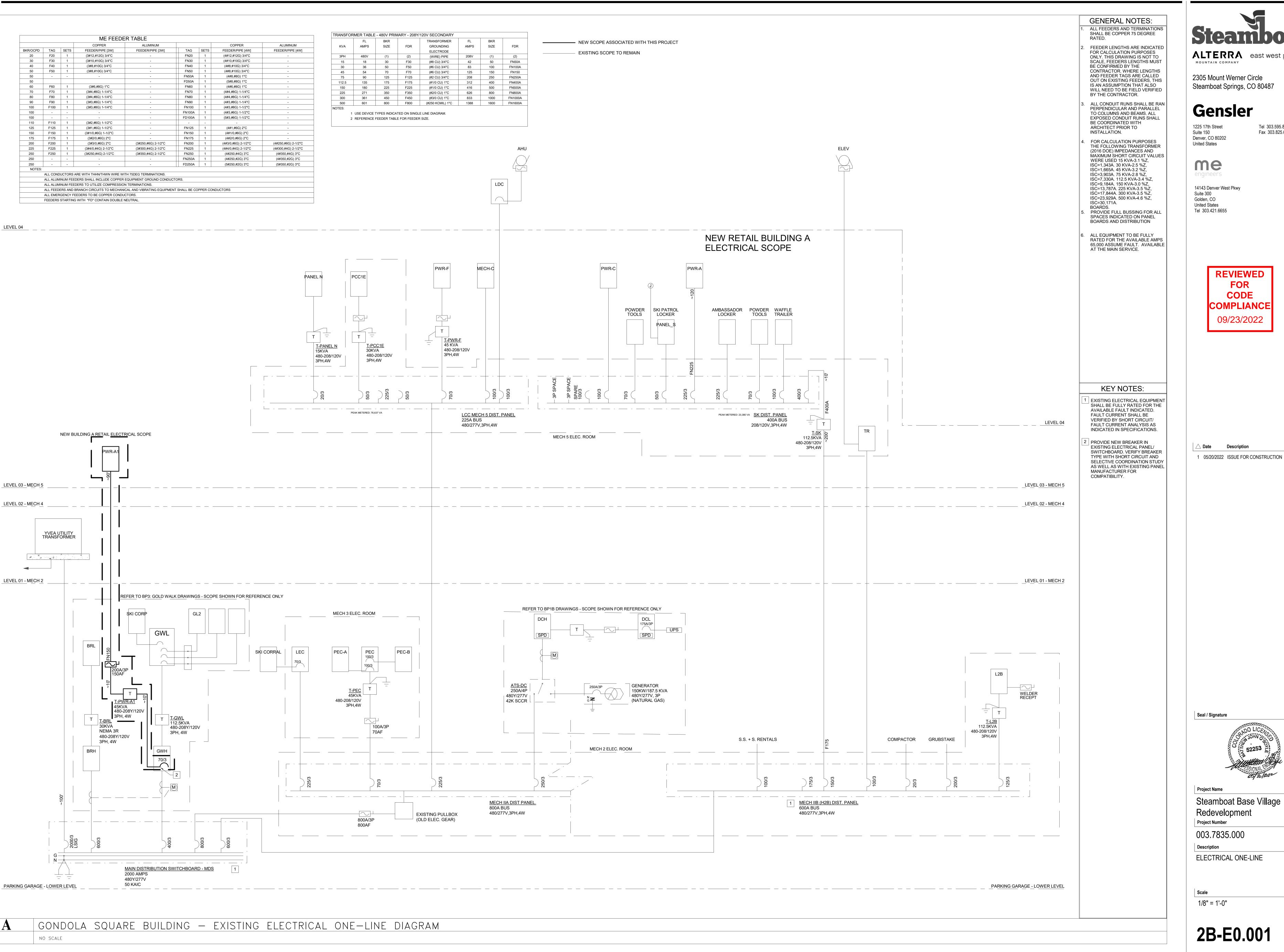


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↑LTERR ♦ east west partners

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Gensler

14143 Denver West Pkwy

COMPLIANCE



Redevelopment

003.7835.000

ELECTRICAL ONE-LINE

1/8" = 1'-0"

2B-E0.001

				MDS										
LOCATION:			VOL	TAGE: 480/2	277 Wye	BUS: 2000 A								
SUPPLY FROM: UTIL	ER	;	SCCR: RE:C	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	63203	2120		23820		174353 VA	210 A				
CONNECTED TOTALS (V-A)	355672	19803	63600	396090	59950	13512	60881		972068 VA	1169 A				
DIVERSITY FACTORS	125%	100%	58%	107%	100%	65%	100%							
DEMAND TOTAL (V-A)	444590	19803	36800	422277	59950	8783	60881		1055644 VA	1270 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 ADDITINOAL LOAD IS BEING ADDED OTHER THAN THAT SHOWN ON GWH (RIGHT).

St	oam	hoat Bas	e Village Re	develonn	nant				ME	Fnai	neers	s Inc					PANEL:	GWH		\neg
J	can	DOGL Das	480/277 Wys		Herit					400 A	illeel s	iiic.								\dashv
ŀ		2.5	460/277 vvye Phase, 4 Wire + Gi						MAINS:		MCD						ENCLOSURE:	Type 1 Surface		\longrightarrow
		3 F	rnase, 4 wire + Gi SCCR:	10. 60HZ.				CDOLIN									MOUNTING:	MDS		
NIO			SCCR:					GROUI	ND BAR:								FED FROM:			
	TES:	NG BREAKER.								OPTIO	NS:						LEVEL:	PLAZA - LEVEL 01 ELECTRICAL 14		
			CIATED WITH THIS	S PROJECT SCO	OPF												LOCATION:	ELECTRICAL 14		\longrightarrow
		12711121171000	0# (1 <u>2</u> 5	7110020100	O. L.										-		ISSUE DATE:			\dashv
												I				٠ ٠	REFER TO DETAILS AND SPE PANELBOARD LAMINATED F	PLAQUE REQUIREMENTS.)K 	\perp
N	LC		DESCRIPTION		P	OCP	СКТ		Α	ı	В	(СКТ	ОСР	Р	DESCRI	PTION	LC	N
1	М		ESCALATOR #	1	3	30	1	4157	321					2	20	1	GOLD WALK SITE LIGHTIN	IG (ZONES G.S.2 - G.S.5)	L; R	1
							3			4157	779			4	20	1	STAIR AND ESCAL		Ĺ	1
							5					4157	1920	6	20	1	ESCALATOR CANO		X	1
1	М		ESCALATOR #2	2	3	30	7	4157	656					8	20	1	ART WALL & BRANI		L	1
							9			4157	0			10	20	1	SPAF			1
							11					4157	0	12	20	1	SPAF	RE		1
1			SPARE		1	20	13	0	0					14	20	1	SPAF	RE		1
1			SPARE		1	20	15			0	0			16	20	1	SPAF	RE		1
1			SPARE		1	20	17					0	0	18	20	1	SPAF	RE		1
1	М		ESP-1		3	20	19	942	0					20	20	1	SPAF	RE		1
							21			942	0			22	20	1	SPAF	RE		1
							23					942	0	24	20	1	SPAF	RE		1
1			SPARE		1	20	25	0	0					26	20	1	SPAF	RE		1
1			SPARE		1	20	27			0	0			28	20	1	SPAF	RE		1
1			SPARE		1	20	29					0	0	30	20	1	SPAF	RE		1
1			SPARE		1	20	31	0	14022					32	70	3	T-PWF	R-A1	L;	. 2
1			SPARE		1	20	33			0	9112			34						
1			SPARE		1	20	35					0	11923	36						
1			SPARE		1	20	37	0	34970					38	225	3	T-GV	VL	L;	. 1
1			SPARE		1	20	39			0	36940			40						
1			SPARE		1	20	41					0	35944	42						
PE	R PHA	SE VA WITH DO	WNSTREAM LOA	DS	•		LOAI	D SUM	MARY W		VNSTRE		DS INC	LUDE	D					
	PHASE	_	<u>B</u>	<u>c</u>	TOT	ALS		CATEG	ORY	CO	NNECTE	D	FACT			CA	LC. V-A A	MPS @ 480/277 Wye		
	CALC	63742	60365	63547	1876	654	LIGH				12158		1009	%			12158	15		
	NNCT		56086	59042	1743	353		EPTAC	LE		17320		79%				13660	16		
DO	NNST	REAM FEED TH	IROUGH LUG PAN	ELS			MOT				63203		1059	%		- 6	66321	80		
								ELLAN	IEOUS		2120		1009	%			2120	3		
							KITC													
co	NDUC.	•	EC TO LABEL IN F	•				CTRIC H			23820		100	%		2	23820	29		
		_	208Y/120	480Y				HARGI	NG											
	<u>A</u>		BLACK	BRO			EXIS	TING			55372		125	%		(69215	83		
	<u>A</u> <u>B</u> <u>C</u>		RED	ORA																
	<u>C</u>		BLUE	YELL																
	<u>N</u>		WHITE	WHITE/GRA		PE														
	<u>G</u>		GREEN	GRE	EN		TOT	AL			174353					1	87654	226		

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'.

St	eamb	ooat Base Villa	age Rec	levelopm	ent				ME	Enai	ineers	Inc.					PANEL:	PWR-A1	
			20/208 Wye							150 A							ENCLOSURE:	Type 1	
			Wire + Gnd	. 60Hz.						150 A -	MCB						MOUNTING:	Surface	
		SCO						GROUN		Copper							FED FROM:	T-PWR-A1	
NO	TES:									OPTIO							LEVEL:	LEVEL 03	
		RED FIRE ALARM BR	REAKER WIT	H LOCKOUT F	PROVIS	ION.											LOCATION:	NEW RETAIL 1	7
																	ISSUE DATE:		
																REFER TO D PANELBOA	ETAILS AND SPEC RD LAMINATED PL	CIFICATION SECTION F LAQUE REQUIREMENT	OR
N	LC	DES	CRIPTION		Р	ОСР	СКТ		A	ı	В	(СКТ	ОСР	Р	DESCRIP	TION	
	R	GENERAL RECE	EPTS TENAN	NT 2B.301	1	20	1	1080	1921					2	20	3	EDH 2.0	01	\exists
	R	SHOW WINDO	OW RECEPT	ACLES	1	20	3			360	1921			4					
		MOTORIZED DAM	IPERS BLDG	. A RETAIL	1	20	5					360	1921	6					\Box
	М	S	SF 2-01		1	20	7	372	1921					8	20	3	CU 2-0)2	
	R	GENERAL RECE	EPTS TENAN	NT 2B.301	1	20	9			900	1921			10					
	R	SHOW WINDO	OW RECEPT	ACLES	1	20	11					540	1921	12					
1	X	FIRE ALARM TR	RANSPONDE	R PANEL	1	20	13	200	1921					14	20	3	CU 2-0)1	
	L	EM LTG - L20	MONOPOIN	IT LTG	1	20	15			120	1921			16					
	L	NM LTG - STORAGE			1		17					81	1921	18					_
	L		LTG - ZONE		1	20	19	1200	228					20	20	2	FCU 2-	02	\perp
	L		LTG - ZONE		1	20	21			1200	228			22					
	L		LTG - ZONE		1	20	23					1200	228	24		2	FCU 2-	01	_
	L		LTG - ZONE		1	20	25	1200	228	000				26		-			\dashv
<u> </u>	ست	STORAGE RO		ECEPT	مرتب	20	27			360		0750		28	00	4	ODADI		
	E	EVVH-	-1 (BLDG A)		2		29	3750	0			3750	0	30	20	1	SPARI SPARI		+
	 M	EE 2 C	 01 (BLDG A)			20	31	3730	0	180	0			34	20	1	SPARI		+
ب	اليّ		SPARE			20	35			100	0	0	0	36	20	1	SPARI		-
			SPARE		1	20	37	0	0					38	20	1	SPARI		+
			SPARE		1		39			0	0			40	20	1	SPARI		+
			SPARE		1		41					0	0	42		1	SPARI		+
PEI	R PHASE	E VA WITH DOWNSTR	REAM LOADS	3			LOAI	SUMN	MARY W	TH DOV	VNSTRE	AM LOA	DS INC						_
	PHASE	<u>A</u>	<u>B</u>	<u>c</u>	TOTA	LS		CATEG	ORY	CO	NNECTE	D	FACT	OR		CALC. V-A	AN	IPS @ 120/208 Wye	
	CALC		9487	12413	3649	98	LIGH	ITING			5001		100	%		5001		14	
С	NNCTD	14022	9112	11923	350	57	RECI	EPTACI	LE		3240		100	%		3240		9	
DO'	WNSTRI	EAM FEED THROUGH	LUG PANEL	.S			МОТ				18756		108			20197		56	
							_	ELLAN	IEOUS		200		100	%		200		1	
							KITC												
CO	NDUCTO	OR COLORS (EC TO L		•				CTRIC H			7500		100	%		7500		21	
	_	208Y/120	<u>l</u>	480Y/				HARGI	NG										
	<u>A</u>	BLACK		BROV			EXIS	TING											
	<u>B</u>	RED		ORAN															
	<u>В</u> С <u>N</u>	BLUE		YELLO		-									-				
	<u>N</u>	WHITE		WHITE/GRA		'E	TOT	••			05057					00400		404	
	<u>G</u>	GREEN		GREI	ΕΝ		TOT	4L			35057					36498		101	

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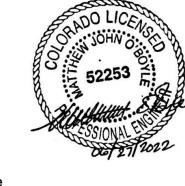
REVIEWED CODE COMPLIANCE 09/23/2022

1 05/20/2022 ISSUE FOR CONSTRUCTION 2 06/27/2022 BULLETIN 1

Type	Lamp Description	Finish	Voltage	Mounting	Manufacturer	Catalog Number	Alternate 1	Alternate 2	Control	Location	Comments
L3A	27 WATT LED, 3300 LUMENS, 80 RECESSED 2X2 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	120	RECESSED	LITHONIA	2BLT2-33L-ADP-MVOI T- GZ10-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.
L4	20W LED, 2000 LUMEN, 3500K, 80+ CRI, 50000+ HOURS 6" DIAMETER RECESSED FIXED DOWNLIGHT, MEDIUM WIDE BEAM DISTRIBUTION, MATTE-DIFFUS REFLECTOR, NEW CONSTRUCTION HOUSING, INTEGRAL DRIVER.	SE CLEAR	120	RECESSED	GOTHAM	EVO6-35/20-AR-MWD LD-MVOLT-GZ10	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.
L19	1 3/8" X 13/16" DUAL ZONE LINE VOLTAGE TRACK. SEEMLESS LENGTHS	PER ARCHITECT	120	SURFACE	LUMENTURE	JT	APPROVED ALTERNATE	APPROVED ALTERNATE	ELV DIMMING	RETAIL	PROVIDE CURRENT LIMITER
L19A	22W, 2000 LUMENS, 3500K, 90+ 3 1/8 INCH DIAMETER X 5 INCH DEEP CYLINDRICAL TRACK HEAD WITH 40 DEGREE BEAM SPREAI AND FULL 360 DEGREE ROTATION AND 90 DEGREE TILT	PER ARCHITECT	120	TRACK	LUMENTURE	T80 35H 2000 40 J	APPROVED ALTERNATE	APPROVED ALTERNATE	ELV	RETAIL	
L20	22W, 2000 LUMENS, 3500K, 90+ SIMILAR TO L19A EXCEPT MONOPOINT, CANOPY MOUNT CRI	PER ARCHITECT	120	SURFACE, J-BOX	LUMENTURE	T80 35H 2000 40 JA- 18-COVER	APPROVED ALTERNATE	APPROVED ALTERNATE	ELV	RETAIL	PROVIDE DEEP CANOPY COVER TO COVER SURFACE MOUNT J-BOX

MERGENCY													
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	BRUSHED ALUMINUM	120	UNIVERSAL	LITHONIA	EDGR SERIES	APPROVED	APPROVED ALTE	RNATÉ 	PREMIUM AREAS	VERIFY LETTER & BACKGROUND COLOR LOCAL AHJ		
	PLAN DRAWINGS - PROVIDE 90 MINLITE BATTERY BACKLIP AT FULL OUTPUT												

Seal / Signature

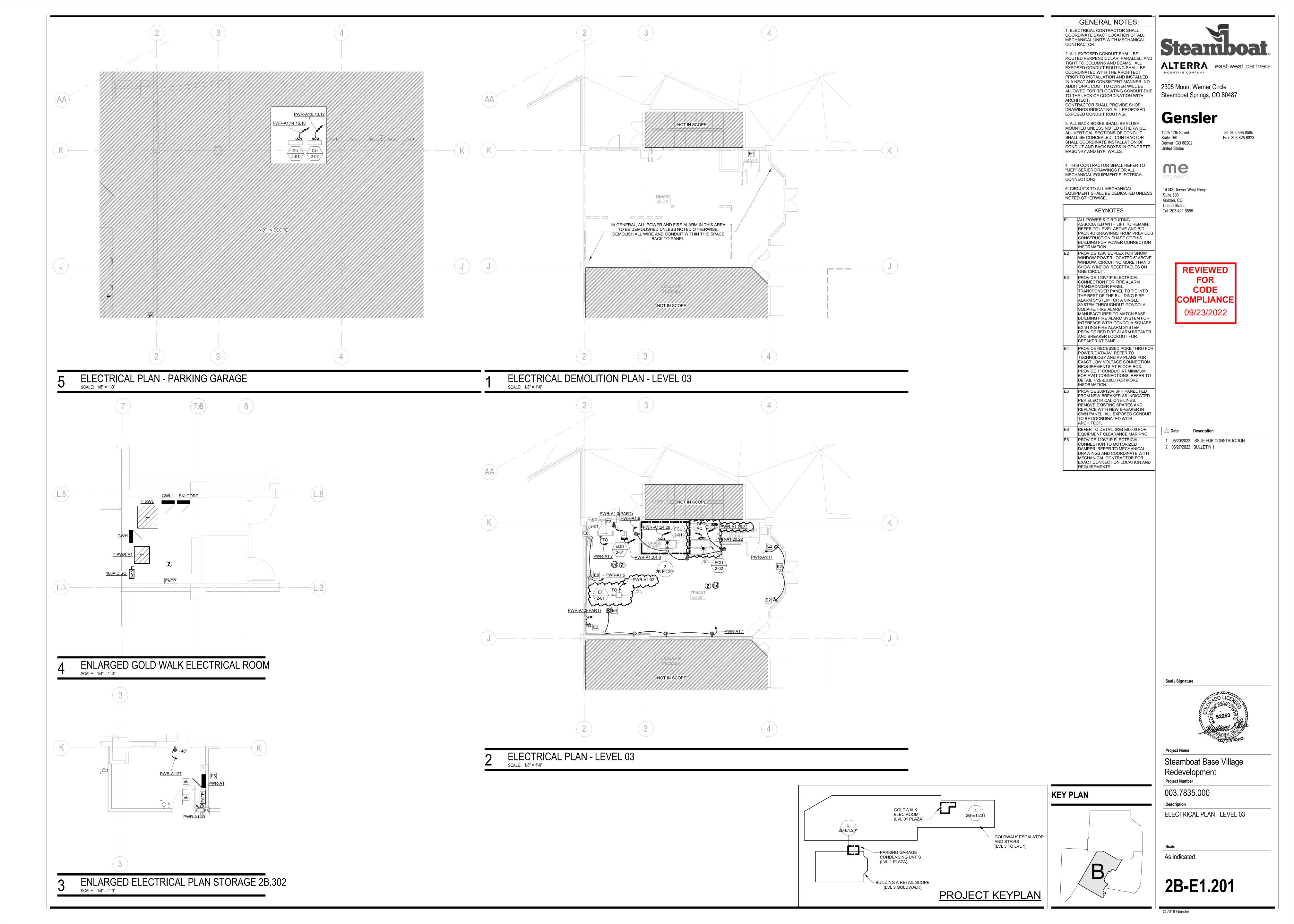


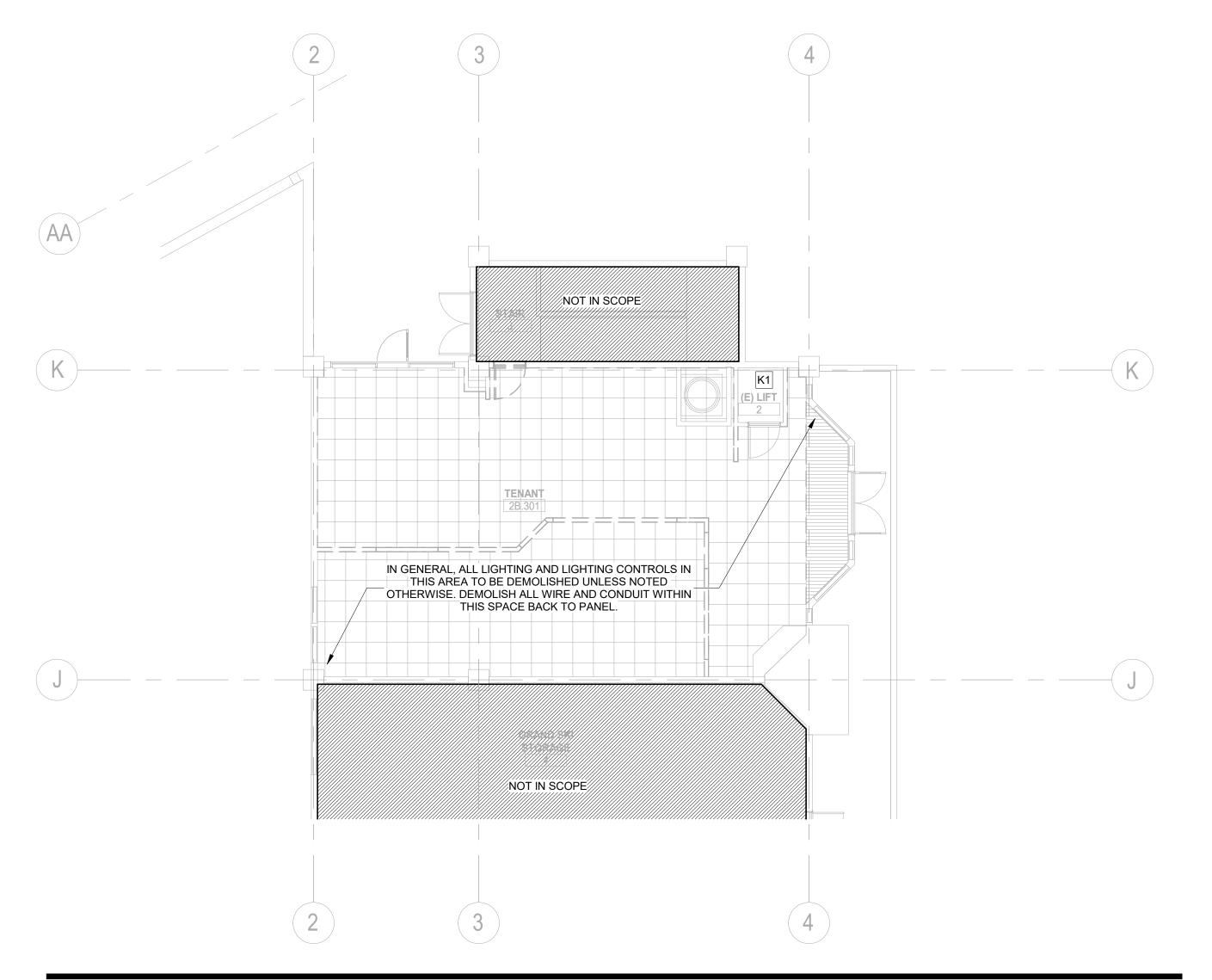
Redevelopment Project Number

003.7835.000

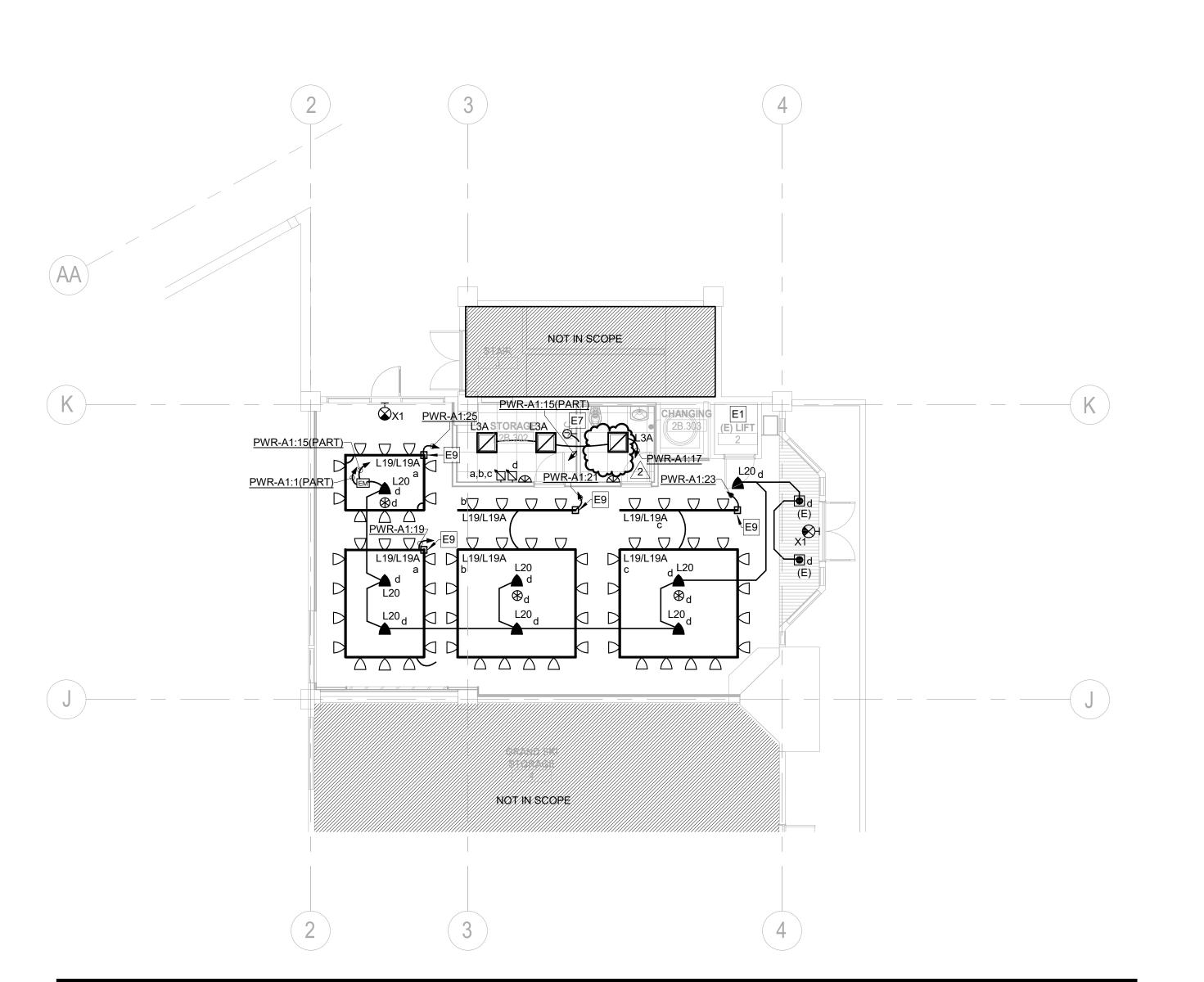
ELECTRICAL SCHEDULES

2B-E0.002





LIGHTING DEMOLITION PLAN - LEVEL 03



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

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.

TO BE DETERMINED BY THE ARCHITECT.

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

3. ELECTRICAL CONTRACTOR TO

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

5. PROVIDE 90 MINUTE BATTERY BACKUF 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.

PROVIDE LIGHTING INVERTER "IOTA IIS-550-I" 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 8/2B-E8.000 FOR EXACT WIRING CONFIGURATION WITH LIGHTING CONTROL AND INVERTER SYSTEM.

E9 PROVIDE TCLF11 (OR APPROVED EQUAL) CURRENT LIMITING FEED PROTECTED BY TCLCB-10A (OR APPROVED EQUAL) 10-AMP CURRENT LIMITING CIRCUIT BREAKER FOR TRACK LIGHTING SECTIONS AS INDICATED PER PLAN.

K1 ALL LIGHTING AND CONTROLS

ALL LIGHTING AND CONTROLS
CIRCUITING ASSOCIATED WITH LIFT
TO REMAIN. REFER TO LEVEL ABOVE
FOR MORE INFORMATION.

Steamboat.

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> REVIEWED FOR CODE COMPLIANCE 09/23/2022

∑ Date Description

1 05/20/2022 ISSUE FOR CONSTRUCTION 2 06/27/2022 BULLETIN 1

Seal / Signature



Project Name

KEY PLAN

Steamboat Base Village Redevelopment

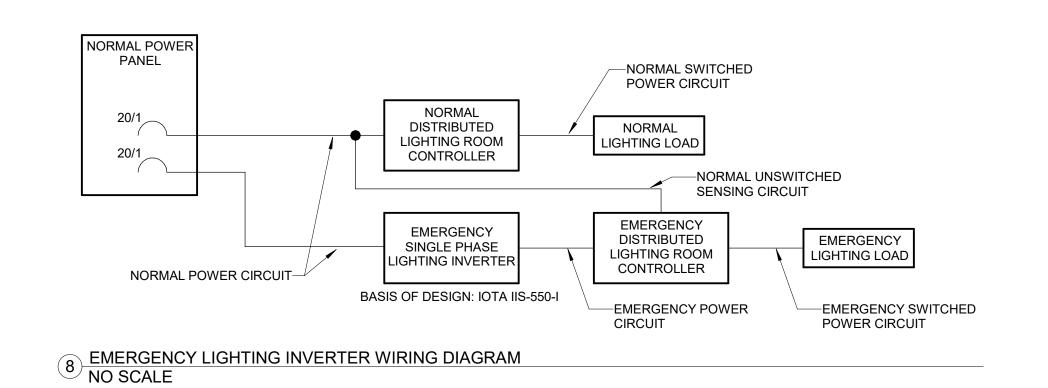
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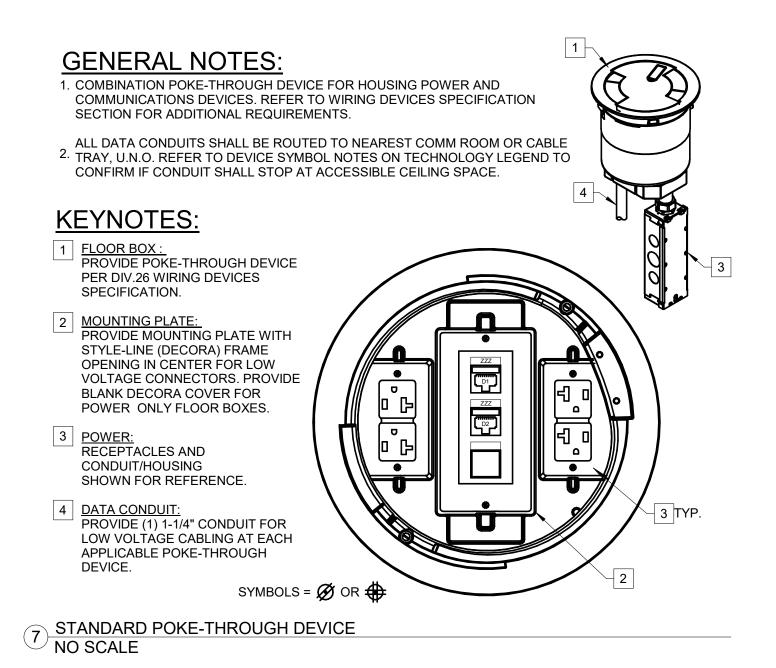
LIGHTING PLAN - LEVEL 03

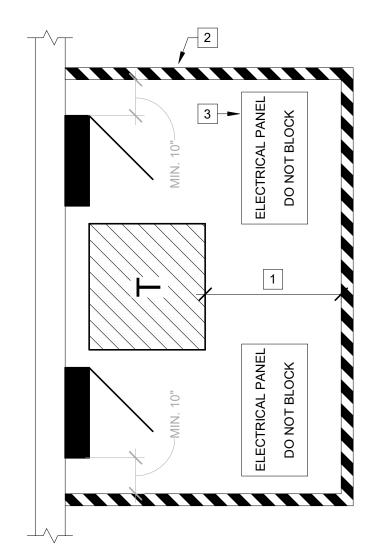
Scale 1/8" = 1'-0"

2B-E1.301

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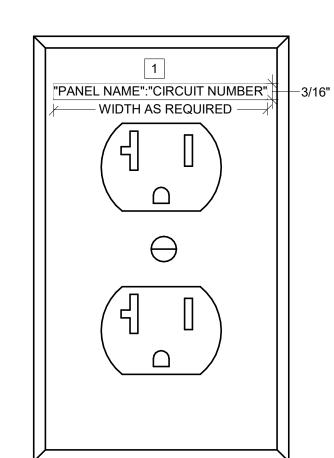




KEYNOTES:

- 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.
- PERMANENT, WATER RESISTANT "ELECTRICAL PANEL DO NOT BLOCK" VINYL FLOOR LABEL WITH NFPA 170 PANEL SYMBOL. QUANTITY AND SPACING TO BE DETERMINED BY EOR.

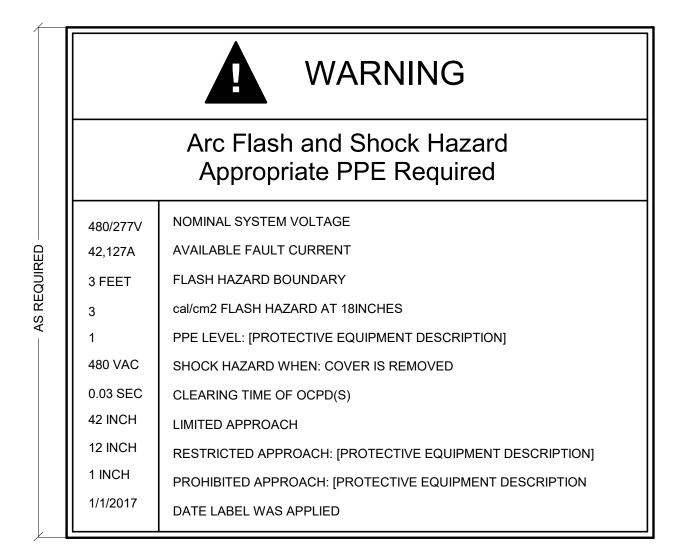
6 ELECTRICAL EQUIPMENT CLEARANCE MARKINGS NO SCALE



KEYNOTES:

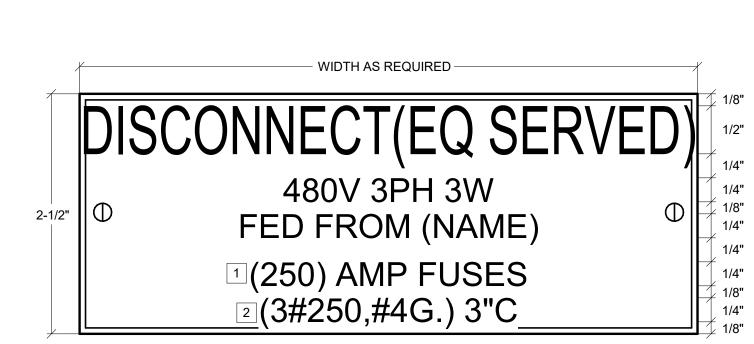
PROVIDE BLACK LETTERING ON CLEAR LABEL FOR NORMAL CIRCUITS AND RED LETTERING ON CLEAR LABEL FOR EMERGENCY/STANDBY CIRCUITS.

5 RECEPTACLE IDENTIFICATION NO SCALE



1. SEE SPECIFICATIONS FOR ADDITIONAL NAMEPLATE INFORMATION

4 ARC FLASH LABEL NO SCALE



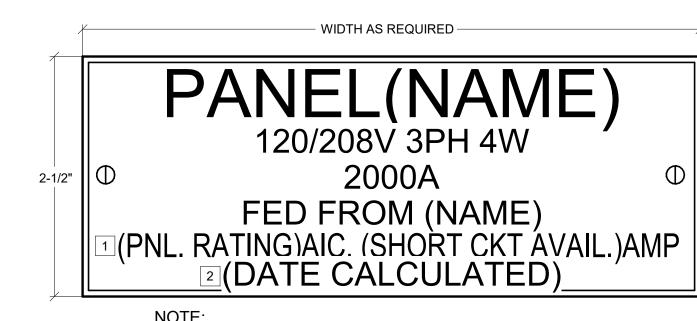
NOTE:

1. SEE SPECIFICATIONS FOR ADDITIONAL NAMEPLATE INFORMATION.

1 | INDICATE FUSE SIZE, IF APPLICABLE

2 INDICATE BRANCH CIRCUIT WIRESIZE

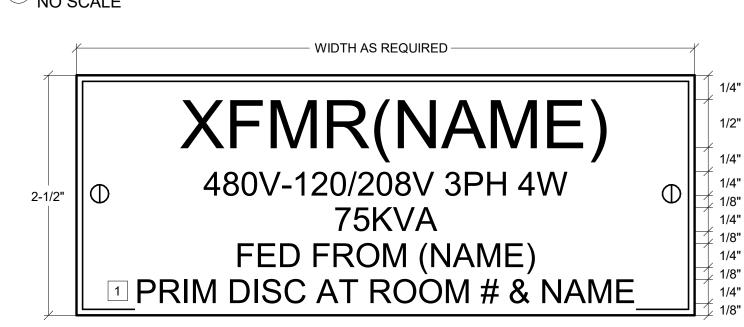
3 DISCONNECT NAMEPLATE NO SCALE



NOTE:

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

SUB DIST. CENTER & BRANCH PANEL NAME PLATE



1. SEE SPECIFICATIONS FOR ADDITIONAL NAMEPLATE INFORMATION.

1 INDICATE LOCATION OF PRIMARY DISCONNECT

1 TRANSFORMER NAMEPLATE NO SCALE

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∆ Date Description

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Seal / Signature



Steamboat Base Village Redevelopment

003.7835.000

Project Number

Description

ELECTRICAL DETAILS

As indicated

2B-E8.000

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