

6790 N. West Avenue Fresno, California 93711 Tel: 559.448.8051 Fax: 559.446.1765

www.dardenarchitects.com

ADDENDUM NO. 2

DATE: 03/22/23

PROJECT:

McKinley/ Fowler Elementary School- Increment 2- Electrical Rebid Fresno, CA CUSD Bid No.: 2932

OWNER:

Clovis Unified School District 1450 E. Herndon Ave. Clovis, CA 93611

ARCHITECT:

DARDEN ARCHITECTS, INC. Attention: Andrew Corral/ Mike Fennacy 6790 N. West Avenue Fresno, California 93711

- T. (559) 448-8051
- F. (559) 446-1765

DARDEN PROJECT NO. 2116 DSA File Nos. 10-48 DSA APPL. NO. 02-120543

It will be the responsibility of the General Contractor to submit the information contained in this addendum to all its subcontractors and suppliers. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

The following additions, deletions, and revisions to the SHEETS and Project Manual are hereby made and do become a part of these Contract Documents.

A R C H I T E C T U R E P L A N N I N G I N T E R I O R S

Robert L. Petithomme ^{Ala LEED' AP} Antonio J. Avila ^{Ala LEED' AP BD+C} DeDe Darnell ^{ASID BDA LEED' AP} Grant E. Dodson AIA Michael K. Fennacy AIA Andrew Corral AIA LEED AP Leslie Rau^{IIDA LIED' AP} Matthew Heiss ^{AIA} William Brandle ^{AIA} Martin A. Ilić Sean P. Mendoza ^{Ala} Michael J. Nelson Gerardo Padron

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INDEX OF ADDENDA TRANSMITTED HEREWITH

SHEETS:

CHANGES TO SHEETS:	
ELECTRICAL	AD2-E01 THRU AD2-E20

ATTACHMENTS:

SHEETS:

ELECTRICAL AD2-EX01 thru AD2-EX20.

SHEETS:

CHANGES TO SHEETS:

ELECTRICAL:

AD2-E01	 Refer to Sheet X/E201 – LIGHTING SYSTEMS- FIXTURE SCHEDULE, DETAILS: 1. Remove and Replace X/E201 – LIGHTING SYSTEMS- FIXTURE SCHEDULE, DETAILS with the attached Sheet AD2-EX01.
AD2-E02	 Refer to Sheet X/E202 – LIGHTING SYSTEMS- DETAILS: 1. Remove and Replace X/E202 – LIGHTING SYSTEMS- DETAILS with the attached Sheet AD2-EX02.
AD2-E03	 Refer to Sheet X/E302 – POWER SYSTEMS- PANEL SCHEDULES, DETAILS: 1. Remove and Replace X/E302 – POWER SYSTEMS- PANEL SCHEDULES, DETAILS with the attached Sheet AD2-EX03.
AD2-E04	 Refer to Sheet X/E401 – LOW VOLTAGE SYSTEMS- DETAILS AND DIAGRAMS: 1. Remove and Replace X/E401 – LOW VOLTAGE SYSTEMS- DETAILS AND DIAGRAMS with the attached Sheet AD2-EX04.
AD2-E05	Refer to Sheet X/E501 – FIRE ALARM SYSTEM- SYMBOL, SITE PLAN, NOTES, AND DETAILS: 1. Remove and Replace X/E501 – FIRE ALARM SYSTEM- SYMBOL, SITE PLAN, NOTES, AND DETAILS with the attached Sheet AD2-EX05.

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AD2-E06	Refer to Sheet X/E502 – FIRE ALARM SYSTEM- SINGLE LINE DIAGRAM: 1. Remove and Replace X/E502 – FIRE ALARM SYSTEM- SINGLE LINE DIAGRAM with the attached Sheet AD2-EX06.
AD2-E07	Refer to Sheet A/E101- BUILDING A- LIGHTING PLAN: 1. Remove and Replace A/E101- BUILDING A- LIGHTING PLAN with the attached Sheet AD2-EX07.
AD2-E08	Refer to Sheet A/E201- BUILDING A- POWER PLAN: 1. Remove and Replace A/E201- BUILDING A- POWER PLAN with the attached Sheet AD2-EX08.
AD2-E09	Refer to Sheet A/E401- BUILDING A- LOW VOLTAGE PLAN: 1. Remove and Replace A/E401- BUILDING A- LOW VOLTAGE PLAN with the attached Sheet AD2-EX09.
AD2-E10	Refer to Sheet A/E501- BUILDING A- FIRE ALARM PLAN: 1. Remove and Replace A/E501- BUILDING A- FIRE ALARM PLAN with the attached Sheet AD2-EX10.
AD2-E11	Refer to Sheet B/E201- BUILDING B- POWER PLAN: 1. Remove and Replace B/E201- BUILDING B- POWER PLAN with the attached Sheet AD2-EX11.
AD2-E12	Refer to Sheet C/E201- BUILDING C- POWER PLAN: 1. Remove and Replace C/E201- BUILDING C- POWER PLAN with the attached Sheet AD2-EX12.
AD2-E13	Refer to Sheet D/E201- BUILDING D- POWER PLAN: 1. Remove and Replace D/E201- BUILDING D- POWER PLAN with the attached Sheet AD2-EX13.
AD2-E14	Refer to Sheet E/E101- BUILDING D- LIGHTING PLAN: 1. Remove and Replace E/E101- BUILDING E- LIGHTING PLAN with the attached Sheet AD2-EX14.
AD2-E15	Refer to Sheet E/E201- BUILDING E- POWER PLAN: 1. Remove and Replace E/E201- BUILDING E- POWER PLAN with the attached Sheet AD2-EX15.

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AD2-E16 Refer to Sheet E/E501- BUILDING E- FIRE ALARM PLAN:

1. Remove and Replace E/E501- BUILDING E- FIRE ALARM PLAN with the attached Sheet AD2-EX16.

AD2-E17 Refer to Sheet K/E101- BUILDING K- LIGHTING PLAN:

1. Remove and Replace K/E101- BUILDING K- LIGHTING PLAN with the attached Sheet AD2-EX17.

AD2-E18 Refer to Sheet K/E201- BUILDING K- POWER PLAN:

1. Remove and Replace K/E201- BUILDING K- POWER PLAN with the attached Sheet AD2-EX18.

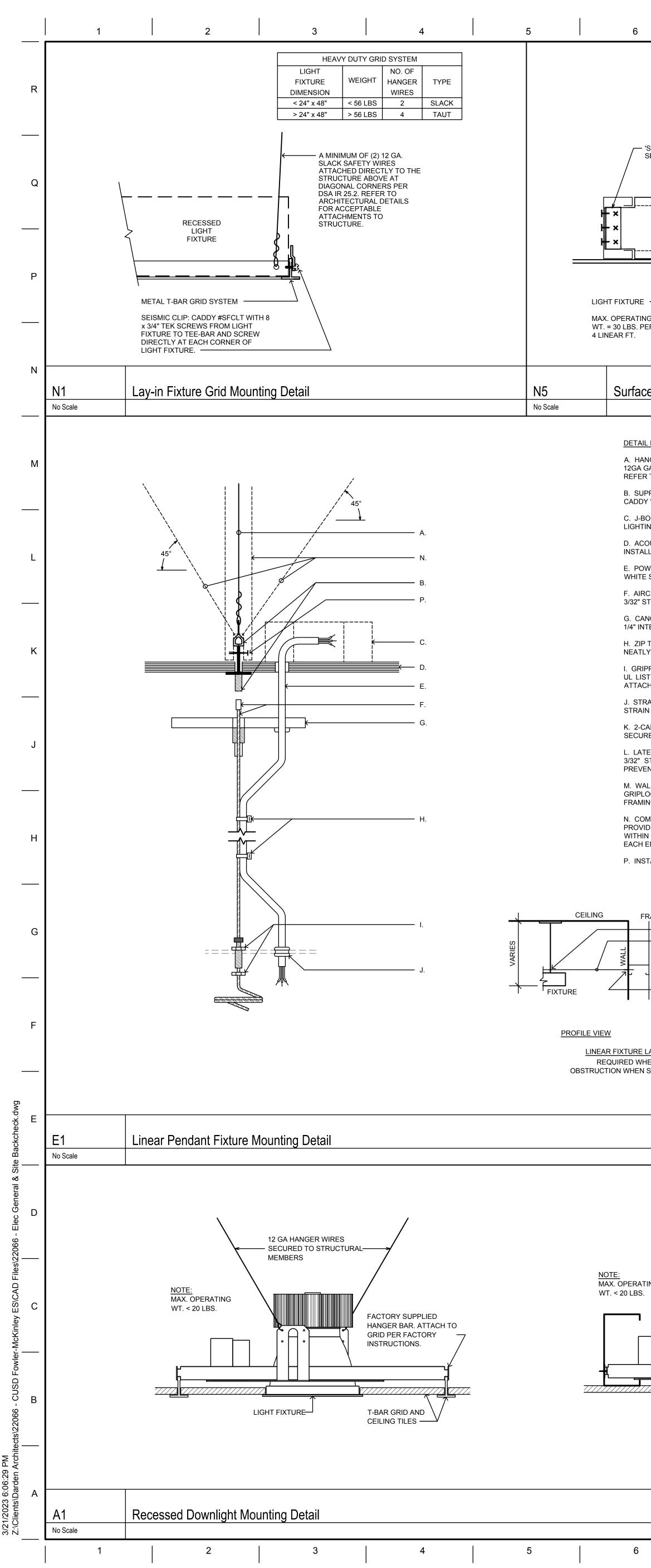
AD2-E19 Refer to Sheet K/E401- BUILDING K- LOW VOLTAGE PLAN:

1. Remove and Replace K/E401- BUILDING K- LOW VOLTAGE PLAN with the attached Sheet AD2-EX19.

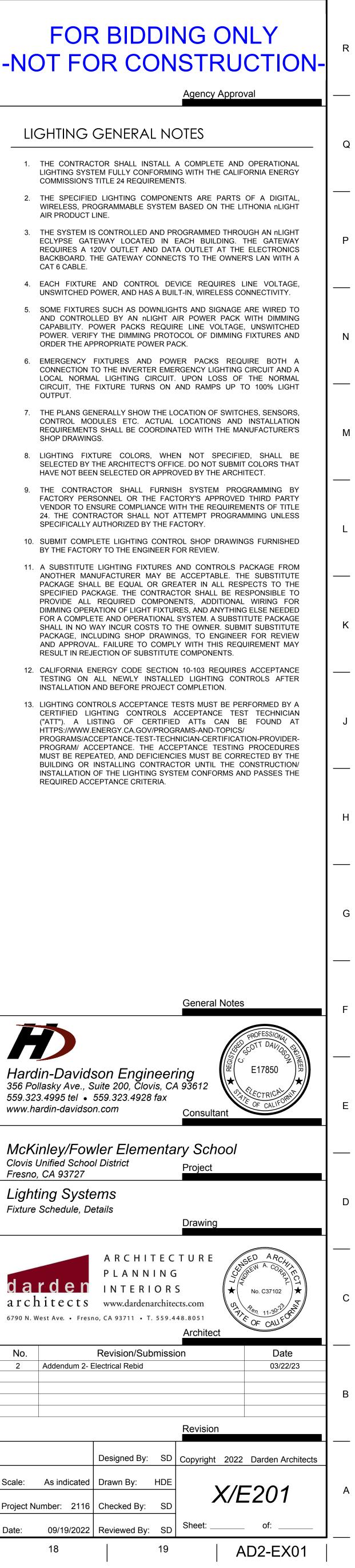
AD2-E20 Refer to Sheet P/E101- BUILDING P- ELECTRICAL PLAND AND FIRE ALARM PLAN:

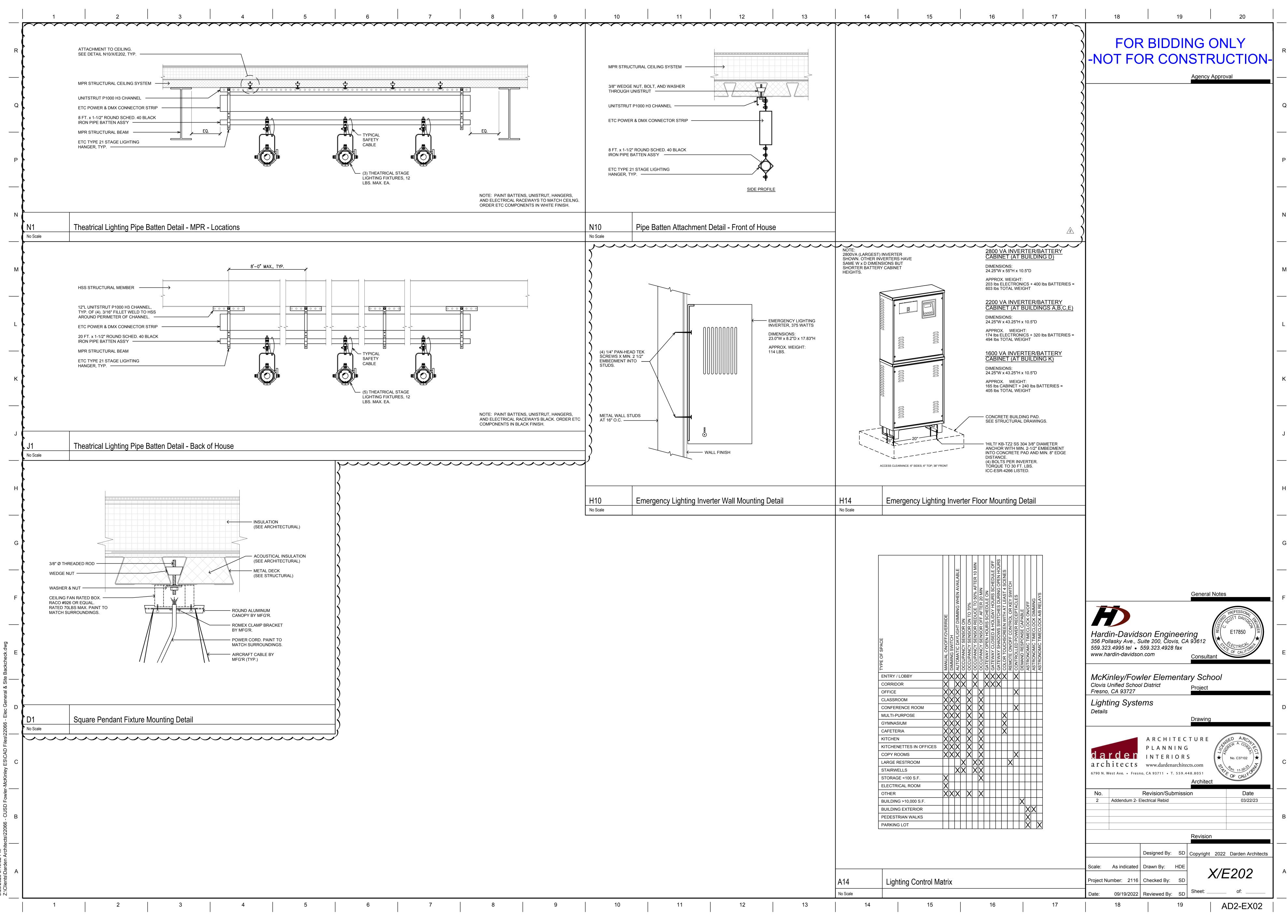
1. Remove and Replace P/E101- BUILDING P- ELECTRICAL PLAND AND FIRE ALARM PLAN with the attached Sheet AD2-EX20.

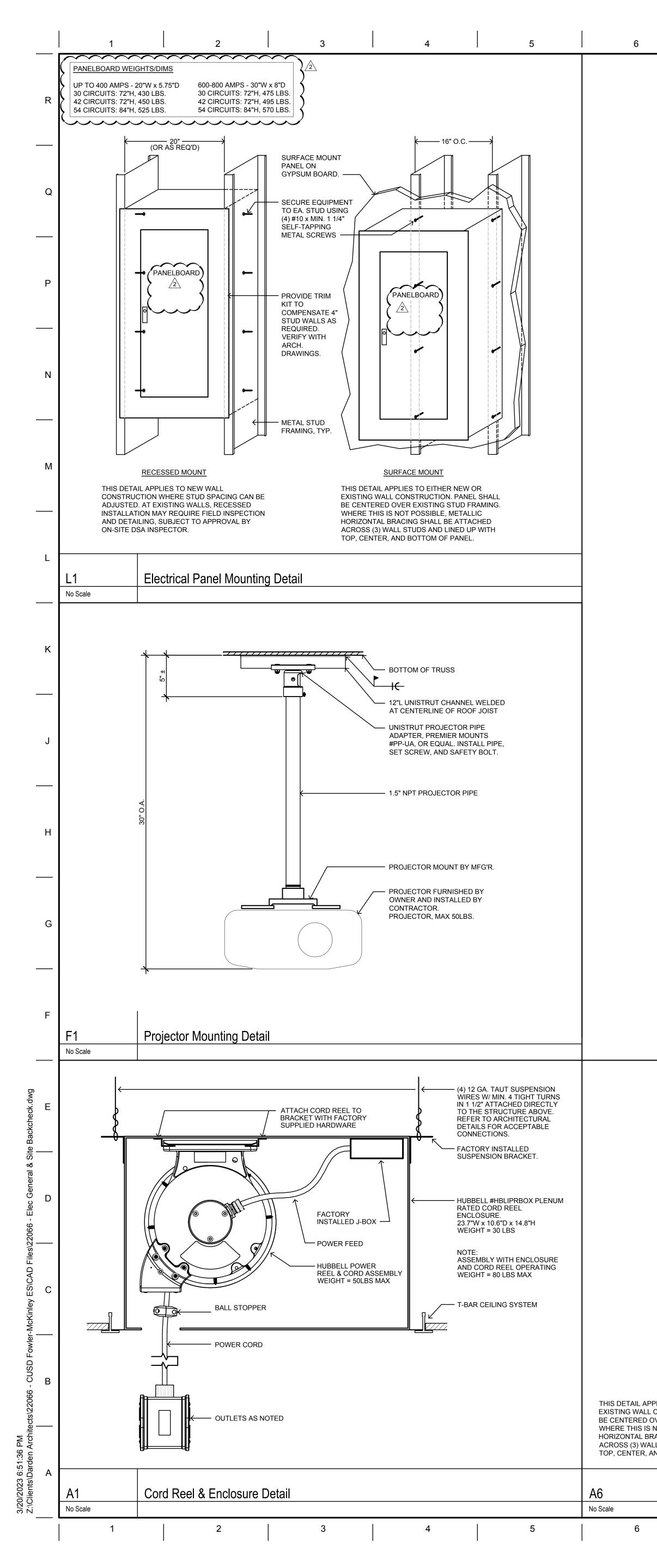
END OF ADDENDUM NO. 2



6 7 8 9	10	0	11	12		13		14		15		16		17	18	
		<u>IANUFACTUF</u> THONIA	<u>RER</u> <u>CATALOG NO.</u> 2BLT2 40LHE ADSM EZ1 LP835 NI						VOLTAGE MOUNTING	<u>DETAIL</u> RI N1/X/E201N	EMARK					
		THONIA	2BLT2 40LHE ADSM EZ1 LP835 N				LED LED		120-277 REC GRID		LTAIRZ	L OCC/DL SENSOR	ł		FOR E	31
	ASE LIT	THONIA	2BLT2 40LHE ADSM EZ1 LP835 NI	LTAIR2 RES7PDTEM			LED	30.8	120-277 REC GRID		LTAIR2 / INTEGRAL			IXTURE	-NOT FOR	
	B LIT	THONIA	2BLT4 60LHE ADSM EZ1 LP835 NI	LTAIR2 RIO			LED	43.6	120-277 REC GRID	N1/X/E201 N	LTAIR2					
		THONIA	2BLT4 60LHE ADSM EZ1 LP835 NI				LED		120-277 REC GRID		LTAIR2 / INTEGRAL		R			
/— 'SIMPSON' L50 OR EQ. AND (3)-#10 X 1" SELF-DRILLING SCREW EACH LEG. (TYP.)		THONIA THONIA	2BLT4 60LHE ADSM EZ1 LP835 NI 2BLT4 60LHE ADSM EZ1 LP835 NI				LED		120-277 REC GRID 120-277 REC GRID		LTAIR2 / EMERGEN LTAIR2 / INTEGRAL		R / EMERGENCY EI			
MIN. 20 GA METAL STUD BLOCKING, TWO PER EACH 4'-0" LIGHT FIXTURE.		JMINAIRE	VPF8 4FT MIN10 NLTAIR2 50W 3		RIO		LED		120-277 SURF CLG	N1/X/E201 N		,	,		LIGHTING GEN	√E
	CE LU	JMINAIRE	VPF8 4FT MIN10 NLTAIR2 50W 3	5K MVOLT OP WHT F	RIO		LED	53.3	120-277 SURF CLG	N1/X/E201 N	LTAIR2 / EMERGEN	NCY FIXTURE			1. THE CONTRACTOR S	
		JMINAIRE	VPF8 4FT MIN10 NLTAIR2 50W 3				LED		120-277 SURF CLG		LTAIR2 / INTEGRAL				LIGHTING SYSTEM FU COMMISSION'S TITLE :	
		JMINAIRE JMINAIRE	VPF8 4FT MIN10 NLTAIR2 50W 3 VPF8 2FT MIN10 NLTAIR2 25W 3				LED		120-277 SURF CLG 120-277 SURF CLG	N1/X/E201 N N1/X/E201 N	LTAIR2 / INTEGRAL	L OCC/DL SENSOR	R / EMERGENCY FI	IXTURE	2. THE SPECIFIED LIGH WIRELESS, PROGRAM	
		JMINAIRE	VPF8 2FT MIN10 NLTAIR2 25W 3				LED		120-277 SURF CLG			L OCC/DL SENSOR	R / EMERGENCY FI	IXTURE	AIR PRODUCT LINE. 3. THE SYSTEM IS CONT	TRO
	D4 PR	RUDENTIAL	BPRO5 LIN LED35 HO HO 4' [C] Y	BK BTW HCW ADC DO	C UNV CA96 X3 ECO	NLIGHT-AIR	LED	84.0	120-277 SUSPENDED	E1/X/E201					ECLYPSE GATEWAY REQUIRES A 120V OI	LC UTL
JRE	D4E PR	RUDENTIAL	BPRO5 LIN LED35 HO HO 4' [C] Y	BK BTW HCW ADC D	C UNV CA96 X3 ECO	NLIGHT-AIR EMC	LED	84.0	120-277 SUSPENDED	0 E1/X/E201 E	MERGENCY FIXTUR	RE (4-FOOT SECTIO	ON)		BACKBOARD. THE GA CAT 6 CABLE.	'LEA
ATING BLOCKING.			BPRO5 LIN LED35 HO HO 8' [C] Y						120-277 SUSPENDED						4. EACH FIXTURE AND UNSWITCHED POWER	
Γ.	D8SE PR	RODENTIAL	BPRO5 LIN LED35 HO HO 8' [C] Y NLT-AIR-RESPD				LED	108.0	120-277 SUSPENDED	, E1/7/2201 EI	VIENGENCI FIXTON	(4-FOOT SECTIC	JN)		5. SOME FIXTURES SUC AND CONTROLLED B	
	D12E PR		BPRO5 LIN LED35 HO HO 12' [C]						120-277 SUSPENDED						CAPABILITY. POWER POWER. VERIFY THE	R PA
face Fixture Mounting Detail	D12SE PR	RUDENTIAL	BPRO5 LIN LED35 HO HO 12' [C] NLT-AIR-RESPD	YBK BTW HCW ADC [OC UNV CA96 X3 ECC	O NLIGHT-AIR EMC	LED	252.0	120-277 SUSPENDED) E1/X/E201 E	MERGENCY FIXTUR	RE (4-FOOT SECTIC	ON)		ORDER THE APPROPR 6. EMERGENCY FIXTUR	
	D16E PR	RUDENTIAL	BPRO5 LIN LED35 HO HO 16' [C]	YBK BTW HCW ADC [DC UNV CA96 X3 ECC	O NLIGHT-AIR EMC	LED	336.0	120-277 SUSPENDED	0 E1/X/E201 E	MERGENCY FIXTUR	RE (4-FOOT SECTIC	DN)		6. EMERGENCY FIXTOR CONNECTION TO THE LOCAL NORMAL LIG	E IN\
	D20S PR	RUDENTIAL	BPRO5 LIN LED35 HO HO 20' [C] NLT-AIR-RESPD	YBK BTW HCW ADC [DC UNV CA96 X3 ECC	O NLIGHT-AIR	LED	420.0	120-277 SUSPENDED	E1/X/E201					CIRCUIT, THE FIXTUR OUTPUT.	
TAIL KEY NOTES:	D20SE PR	RUDENTIAL	BPRO5 LIN LED35 HO HO 20' [C]	YBK BTW HCW ADC [DC UNV CA96 X3 ECC	O NLIGHT-AIR EMC	LED	420.0	120-277 SUSPENDED	0 E1/X/E201 E	MERGENCY FIXTUR	RE (4-FOOT SECTIC	ON)		7. THE PLANS GENERAL CONTROL MODULES	
HANGER WIRE: GA GALV. HANGER WIRES FROM SUPPORT CLIP TO ROOF STRUCTURE PER DSA IR 25-2.			NLT-AIR-RESPD							!-					REQUIREMENTS SHAL SHOP DRAWINGS.	
FER TO ARCHITECTURAL DETAILS FOR ACCEPTABLE HANGER WIRE CONNECTIONS.		THONIA THONIA	ZL1D L48 5000LM FST MVOLT 351 ZL1D L48 5000LM FST MVOLT 351						120-277 CHAIN 120-277 CHAIN	MFG'R <2	20 LBS. 20 LBS. / EMERGEN				8. LIGHTING FIXTURE SELECTED BY THE AR	
ADDY "INDEPENDENT SUPPORT CLIP" W/ 1/4-20 STUD. ATTACHES OVER T-BAR RUNNER.		THONIA	TYPE "C2" FIXTURE MOUNTED H		ALL ABOVE DOOR				120-277 WALL	N5/X/E201					HAVE NOT BEEN SELE	
J-BOX: GHTING CIRCUIT J-BOX (AT POWER FEED END OF FIXTURE ONLY).	H4 GC	OTHAM	EVO4 35/15 AR MD LSS MVOLT O	GZ1			LED	13.7	120-277 RECESSED	A1/X/E201					9. THE CONTRACTOR FACTORY PERSONNE	EL C
ACOUSTIC CEILING TILE: STALLED IN T-BAR GRID SYSTEM. SEE ARCH. PLANS.	H6 GC	OTHAM	EVO6 35/30 AR MD LSS MVOLT C	GZ1			LED	29.5	120-277 RECESSED	A1/X/E201					VENDOR TO ENSURE 24. THE CONTRACTO SPECIFICALLY AUTHO	DR S
POWER FEED:		ΟΤΗΑΜ	EVO6 35/30 AR MD LSS MVOLT C								MERGENCY FIXTUR	RE			10. SUBMIT COMPLETE L	LIGH
HITE SO CORD, 18/3 OR 18/4, AS REQUIRED. AIRCRAFT CABLE:		THONIA THONIA	2BLT2 40LHE ADSM EZ1 LP835 NI 2BLT2 40LHE ADSM EZ1 LP835 NI				LED LED		120-277 SURF CLG 120-277 SURF CLG		LTAIR2 LTAIR2 / INTEGRAL	I OCC/DI SENSOR	R / EMERGENCY EI		BY THE FACTORY TO T 11. A SUBSTITUTE LIGHT	
32" STAINLESS STEEL AIRCRAFT CABLE W/ BARREL TERMINAL AT ONE END.		JMINAIRE	VPF12 4FT MIN10 NLTAIR2 80W						120-277 SURF CLG						ANOTHER MANUFACT PACKAGE SHALL BE	TUR
CANOPY: " INTERNAL THREAD CEILING COUPLER, AND BARREL TERMINAL CAPTURE; BY MFG'R	KS LU	JMINAIRE	VPF12 4FT MIN10 NLTAIR2 80W	35K MVOLT OP WHT	RES7PDTEM		LED	82.0	120-277 SURF CLG	N5/X/E201 N	LTAIR2 / INTEGRAL	L OCC/DL SENSOR	R		SPECIFIED PACKAGE. PROVIDE ALL REQU	JIRE
ZIP TIE: ATLY ZIP TIE POWER FEED TO AIRCRAFT CABLE AT 6" CENTERS W/ WHITE ZIP TIES.	KSE LU	JMINAIRE	VPF12 4FT MIN10 NLTAIR2 80W	35K MVOLT OP WHT	RES7PDTEM		LED	82.0	120-277 SURF CLG	N5/X/E201 N	LTAIR2 / INTEGRAL	L OCC/DL SENSOR	R / EMERGENCY FI	IXTURE	DIMMING OPERATION FOR A COMPLETE ANI SHALL IN NO WAY ING	ID O
			EPANL 2X4 6800LMHE 80CRI 35K				LED		120-277 RECESSED						PACKAGE, INCLUDING AND APPROVAL. FAIL	G S LUR
. LISTED AIRCRAFT CABLE GRIPPER W/ KNURLED LOCK NUT. 1/4-20" THREADED BODY & NUT TACHES TO FIXTURE.		THONIA THONIA	EPANL 2X4 6800LMHE 80CRI 35K EPANL 2X4 6800LMHE 80CRI 35K			1	LED				LTAIR2 / INTEGRAL LTAIR2 / INTEGRAL			IXTURE	RESULT IN REJECTION 12. CALIFORNIA ENERGY	
STRAIN RELIEF: RAIN RELIEF BUSHING AT FIXTURE.		THONIA	EPANL 2X2 3400LMHE 80CRI 35K						120-277 RECESSED			,	,		TESTING ON ALL N INSTALLATION AND BE	NEW
2-CABLE CLAMP: CURE TO EACH HANGER CABLE WITHIN 4" OF FIXTURE ATTACHMENT POINT.	L2SE LIT	THONIA	EPANL 2X2 3400LMHE 80CRI 35K	MIN 10 EZT MVOLT N	ILTAIR2 RES7PDTEN	1	LED	27.0	120-277 RECESSED	N1/X/E201 N	LTAIR2 / INTEGRAL	L OCC/DL SENSOR	R / EMERGENCY FI	IXTURE	13. LIGHTING CONTROLS CERTIFIED LIGHTING	
LATERAL BRACING CABLE:		RUDENTIAL	ZES-PRO 44 LED35 HO SAL CC SC						120-277 SUSPENDED	\ <					("ATT"). A LISTING HTTPS://WWW.ENERG	0
32" STAINLESS STEEL AIRCRAFT CABLE INSTALLED LONGITUDINALLY ACROSS FIXTURE TO REVENT SWAYING.		RUDENTIAL	ZES-PRO 44 LED35 HO SAL CC SC ZES-PRO 44 LED35 MO SAL CC SC				LED		120-277 SUSPENDED 120-277 SUSPENDED	X 1	٨	RE			PROGRAMS/ACCEPTA PROGRAM/ ACCEPTA	ANCE
WALL CABLE ANCHOR: RIPLOCK #25Z-M13-1420-SL SECURED WITH #12 SHEET METAL SCREW TO WALL		RUDENTIAL	ZES-PRO 44 LED35 MO SAL CC SC				LED		120-277 SUSPENDED	()		RE			MUST BE REPEATED, BUILDING OR INSTAL INSTALLATION OF THE	LLIN
AMING/BLOCKING AT EACH END OF FIXTURE.	N6 GC	OTHAM	EVO6CC 35/15 AR MD LSS MVOL	T EZ1 SGB CCAN45 C	120 90CRI [C]		LED	14.7	120-277 SUSPENDED	A1/X/E201 <2	20 LBS.				REQUIRED ACCEPTAN	
COMPRESSION STRUT: ROVIDE COMPRESSION STRUT AND (4) SPLAY WIRES THROUGH MAIN RUNNER PER DSA IR 25-2. ITHIN 6" OF EACH SUPPORT CLIP, SUPPORT CLIPS TO BE SPACED MAX. 8' O.C. & WITHIN 6" OF	P1 LIT	THONIA	EVO6VR 40/15 AR MD PCL MVO	LT EZ10 DNA			LED	14.7	120-277 RECESSED	A1/X/E201 <2	20 LBS.					
CH END. SEE ARCH. DETAILS FOR INSTALLATION REQUIREMENTS.		THONIA	EVO6VR 40/15 AR MD PCL MVO				LED				20 LBS. / EMERGEN	ICY FIXTURE				
INSTALL #10 S.M.S. THROUGH CLIP AND MAIN RUNNER.		JMINAIRE JMINAIRE	VPF4 2FT MIN1 20W 40K MVOLT VPF4 2FT MIN1 20W 40K MVOLT				LED I FD		120-277 SURFACE 120-277 SURFACE	MFG'R <2 MEG'R <2	20 LBS. 20 LBS. / EMERGEN	ICY FIXTURE				
		THONIA	WDGE2 LED P2 40K 80CRI T3M N				LED		120-277 WALL	MFG'R <2						
	P3E LIT	THONIA	WDGE2 LED P2 40K 80CRI T3M N	1VOLT [C]			LED	19.0	120-277 WALL	MFG'R <2	20 LBS. / EMERGEN	ICY FIXTURE				
		THONIA	LVP58 LPL MIN1 10W 40K MVOL				LED		120-277 WALL	MFG'R <2						
Ц. М. Ц. Р		THONIA THONIA	ARV13 MIN1 15W 40K MVOLT O ZL1D L24/48/96 1500/3000/6000		OCRI		LED		120-277 SURFACE 120-277 SURFACE		20 LBS. UTILIZE 1/2'					
		THONIA	ZL1D L24/48/96 1500/3000/6000					-	120-277 SURFACE							
	S4 LIT	THONIA	DSX1 LED P7 T4M MVOLT RPA PI	IRH SF [C] / 25' RSS P	OLE		LED	183.0	277 25' POLE	A10/X/E201						
	S5 LIT	THONIA	RADPT LED P4 40K SYM MVOLT F	PT4 PIR SF [C] / 12' RS	SS POLE		LED	86.0	277 12' POLE	A14/X/E201						
PLAN VIEW		YDREL	PLACER A P1 90CRI 30K 120 40DE	EG FLC WMC S12 L3 C	1 [COLOR]		LED	11.0	120 WALL	MFG'R <2						
IRE LATERAL SEISMIC BRACING WHEN FIXTURE CONTACTS		JMINAIRE	TLE*G				LED	1.0	120-277 UNIVERSAL		20 LBS. / EMERGEN SEE PLANS FOR 1 C				Ð	
HEN SWINGING 45° FROM VERTICAL.	XN BE	EGHELLI	TSL 1 G 10 GRY U				N/A	N/A	N/A UNIVERSAL	MFG'R <	20 LBS. / SELF LUM	1INOUS TRITIUM E	EMERGENY FIXTU	IRE	_	_
															Hardin-Davidson 356 Pollasky Ave., Suite 2	
	F10 No Scale		ght Fixture Schedule												559.323.4995 tel • 559.3 www.hardin-davidson.com	
								<u> </u>								
						ONE, TWO, OR				<			ST TOP LIGHT FIX	YTURE	McKinley/Fowler	ΕI
					THREE, PER FIXT	URE SCHEDULE	17"	:						KTOKE.	Clovis Unified School Disti Fresno, CA 93727	
					- 16 FT. LIGHT POL	E GROUND LUG AT	k	\					T. LIGHT POLE		Lighting Systems	
	16'				INTERIOR	SKOUND LUG AT	AX. HT.						ERIOR	JUND LUG AT	Fixture Schedule, Details	
	8'-6" M/				- BOLT-DOWN BAS		5'-11" M 12'-0"	2		-			T-DOWN BASE C			
				1" CHAMFER	GROUT AFTER LI	eveling nuts. Eveling.					1" CHAMFI	CPC	AGONAL LEVE		AF	РC
RATING					— (6) #4 VERTICAL								#4 VERTICAL ROI		P L	LA
.BS. FACTORY SUPPLIED HANGER BAR.	2'6				— (3) #4 HORIZ. RE WITHIN 6" OF TO	EINFORCING TIES P OF BASE	2'-6						#4 HORIZ. REINF HIN 6" OF TOP O		darden IN	
					FINISH GRADE			\				T	SH GRADE		architects www 6790 N. West Ave. • Fresno, CA 9	
	MO	'SQ. x 4"D. C W STRIP IN			- (4) 3/4" x 36" H RODS WITH 2" VERIFY LENGTH	MIN. WASHERS.		MOW	0. x 4"D. CONC. STRIP IN			RÓE	3/4" x 36" HEAI DS WITH 2" MII RIFY LENGTH, B(IN. WASHERS.		
		NDSCAPE AI			WITH MFG'R.				SCAPE AREAS/			WIT	H MFG'R.		No. Revis	
	6-0-				#4 HORIZONTA TIES AT 9" O.C.	L REINFORCING	"0-'9						HORIZONTAL S AT 9" O.C.	REINFORCING	2 Addendum 2- Electrica	<u> </u>
		NCRETE BA			- CONDUIT W/ GR PLANS FOR QUA	S ELBOW UP. SEE NTITY & SIZE.			RETE BAS E				NDUIT W/ GRS EL NS FOR QUANTI			
FINISH OR STUCCO EXTERIOR FINISH										╡ ╴╹ ╺╴╾╋╾╺┪						
					- CONC. ENCASI REQUIRED.			L			·		NC. ENCASEME QUIRED.	LINI, WHEKE	ļ	
			24" DIA.		NOTE: MAINTAIN GRADE FOR	R CONDUITS				24" DIA.	_	GRA		CONDUITS	Desig	gne
	DSA REVIEW IS	NOT REQUIR	ED FOR LIGHT POLES UP TO 35 FEET IN F	HEIGHT.	ENTERING LIGH SHOWN)	n rules (NUI	DSA REV	VIEW IS NO	DT REQUIRED FOR LIGHT	FPOLES UP TO 35	FEET IN HEIGHT.		ERING LIGHT DWN)	I ULEO (INUT	Scale: As indicated Draw	vn E
	A10	 П	arking Area Light Pole D	etail			A14		Pedastria	n Light Pol	e Netail				Project Number: 2116 Chec	cke
	No Scale						No Scale)	เ เนธอแเส						Date: 09/19/2022 Revie	

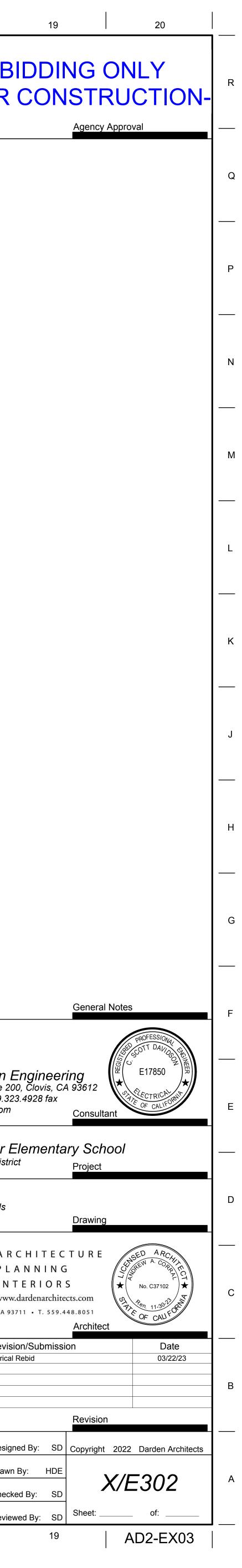


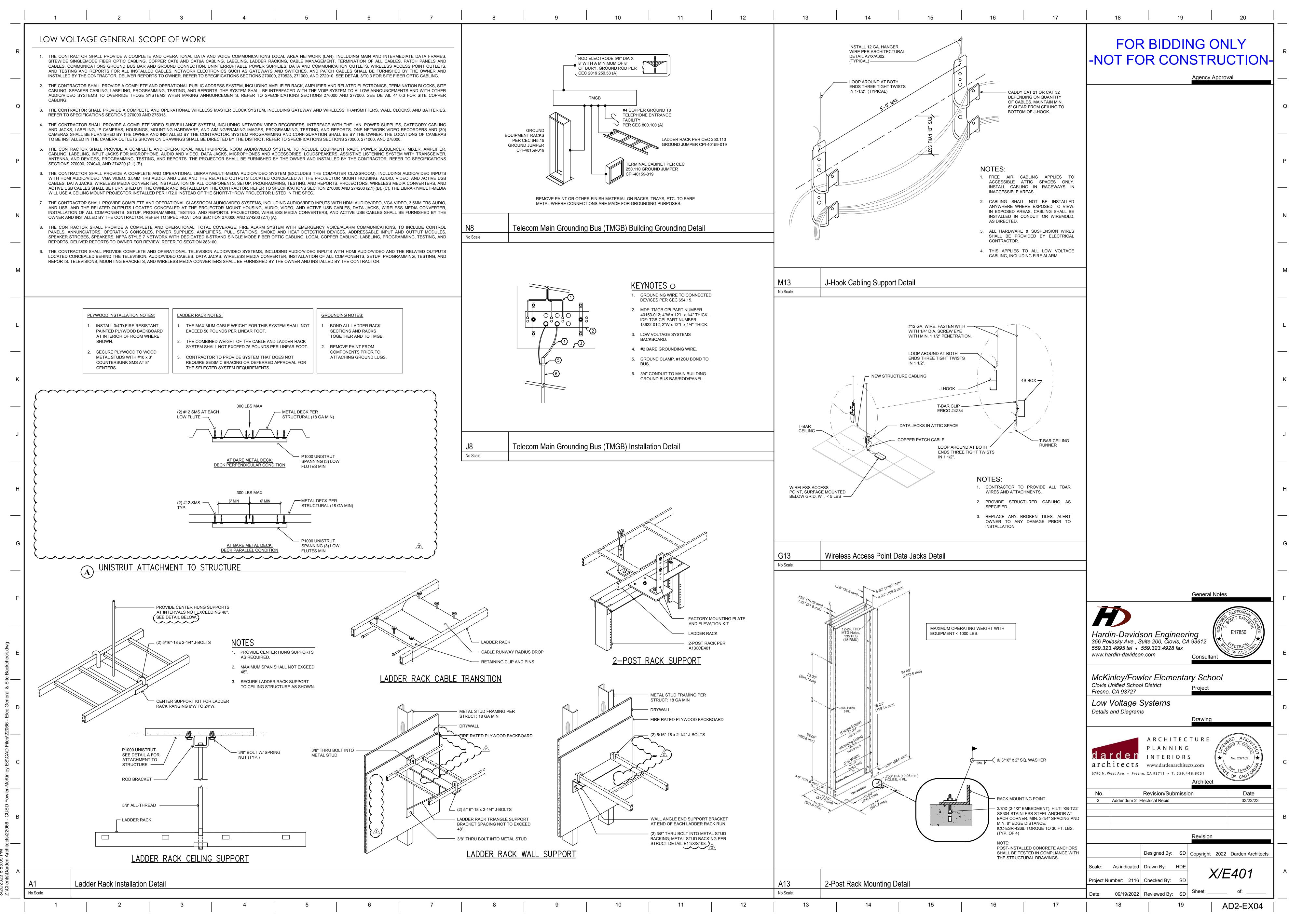


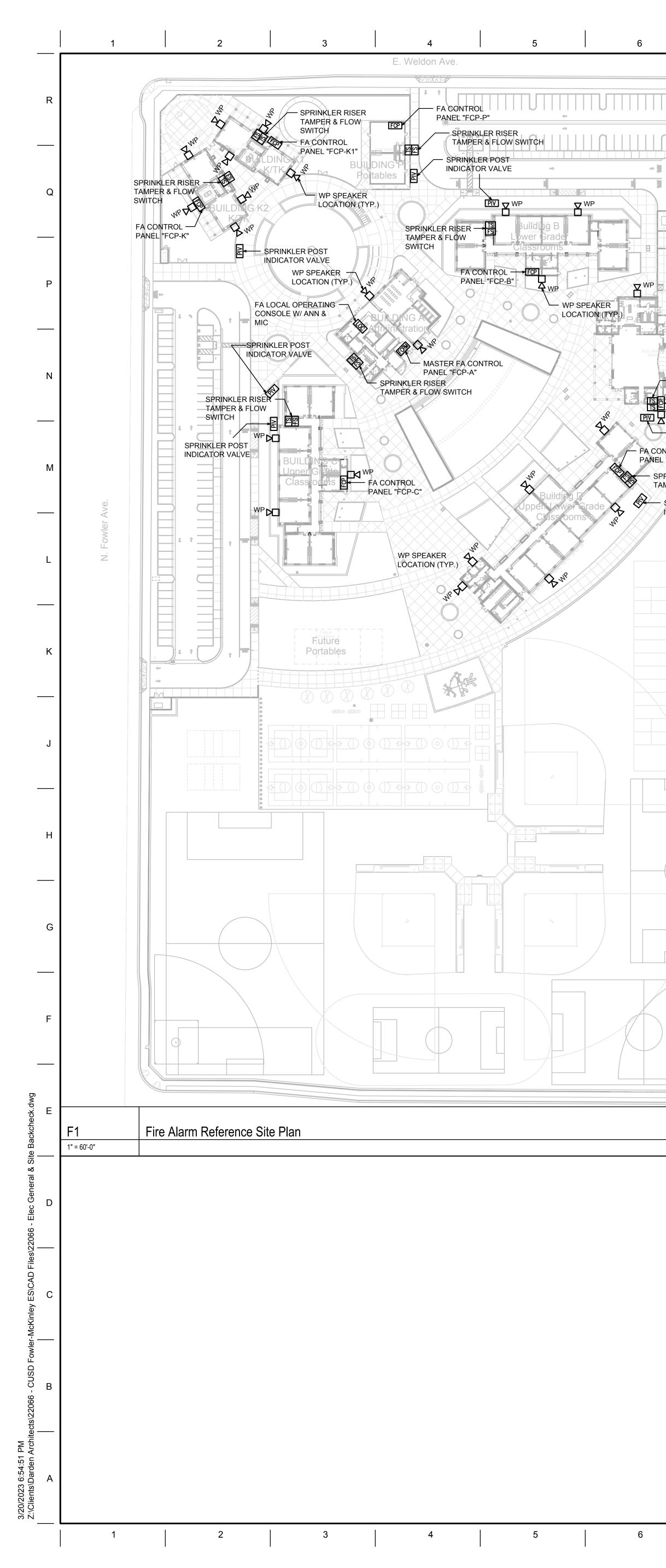


7 8 9 10 11	12 13	14	15 16	17	18
PANEL "AH" SCHEDULE 277/480V 3Ф 4W 42kAIC INDOOR / SURFACE CKT. DESCRIPTION BREAKER V/A BREAKER DESCRIPTION CKT.	PANEL "BH" SCHEDUL	BREAKER	INDOOR / SURFACE	CKT.	FOR B
NO. DESCRIPTION AMPS POLE(S) VA Φ VA Φ VA AMPS POLE(S) DESCRIPTION NO. 1 HVAC UNIT HC-A1 30 3 5457 A 1600 15 1 LIGHTS 2	OKTDESCRIPTIONNO.11HVAC UNIT HC-B1	AMPS POLE(S) VA Φ VA AM 35 3 5235 A 1527 1	IPS POLE(S) DESCRIPTION I 5 1 LIGHTS	NO. 2	-NOT FOR
3 5457 B 887 15 1 LIGHTS 4 5 5457 C 2220 15 1 LIGHTS 6 7 HVAC UNIT HC-A2 35 3 5235 A 1550 15 1 LIGHTS 8 9 5235 B 688 15 1 PEDESTRIAN POLE LIGHTS 8	3 5 7 HVAC UNIT HC-B2 9	5235 C 1920 1 35 3 5235 A 1012 1	5 1 LIGHTS 5 1 LIGHTS	4 6 8 10	
J J	11 13 HVAC UNIT HC-B3 15	5235 C 516 1 35 3 5235 A 549 1	51PEDESTRIAN LIGHTS51PARKING LOT LIGHTS	12 14 16	
17 4986 C SPACE ONLY 18 19 HVAC UNIT ERV-1 15 3 1302 A SPACE ONLY 20 21 1302 B SPACE ONLY 22	17 19 HVAC UNIT HC-B4 21		0 1 SPARE SPACE ONLY	18 20 22	
23 1302 C SPACE ONLY 24 25 SPACE ONLY A 18576 125 3 XFMR "TAL" / PANEL "AL" 26 27 SPACE ONLY B 15582 28	23 25 HVAC UNIT HC-B5 27	5235 C 35 3 5235 A 5235 B	SPACE ONLY SPACE ONLY	24 26 28	
29 SPACE ONLY C 14085 30 LOAD SUMMARY: Φ A 38706 VA BUSING: 250A 4	29 31 HVAC UNIT HC-B6 33	5235 C 35 3 5235 A 5235 B	SPACE ONLY SPACE ONLY	30 32 34	
Φ C 33285 VA CONNECTED LOAD: 106.1 kVA MAX CURRENT: 140 A	35 37 HVAC UNIT HC-B7 39	5235 C 35 3 5235 A 5235 B	SPACE ONLY SPACE ONLY	36 38 40	
PANEL "AL" SCHEDULE 120/208V 3Ф 4W 22kAIC INDOOR / SURFACE	41 43 HVAC UNIT HC-B8 45 47	5235 C 35 3 5235 A 5235 B 5235 C	SPACE ONLY SPACE ONLY	42 44 46 48	
CKT. DESCRIPTION BREAKER VA POLE(S) BREAKER DESCRIPTION CKT. NO. AMPS POLE(S) VA POLE(S) AMPS POLE(S) DESCRIPTION CKT. NO. 1 OUTLETS - MAIN OFFICE 100 20 1 720 A 720 20 1 OUTLETS - LIBRARY OPEN AREA 113 2	47 49 HVAC UNIT HC-B9 51 53		75 3 XFMR "TBL" / PANEL "BL" -	48 50 52 54	
3 OUTLETS - MAIN OFFICE 100 20 1 720 B 900 20 1 OUTLETS - LIBRARY OPEN AREA 113 4 5 OUTLETS - MAIN OFFICE 100 20 1 540 C 900 20 1 OUTLETS - LIBRARY OPEN AREA 113 6 7 OUTLETS - MAIN OFFICE 100 20 1 900 A 720 20 1 OUTLETS - LIBRARY OPEN AREA 113 8	LOAD SUMMARY:	Φ Α 72919 VA BU Φ Β 71628 VA ΜΑ	SING: 400A AIN: 400A		
9 OUTLETS - OFFICE 101 20 1 900 B 720 20 1 OUTLETS - LIBRARY CLASSRM 114 10 11 OUTLETS - OFFICE 102 20 1 900 C 720 20 1 OUTLETS - LIBRARY CLASSRM 114 12 13 OUTLETS - CONF. 103 20 1 540 A 900 20 1 OUTLETS - LIBRARY CLASSRM 114, STOR 115 14	CONNECTED LOAD: MAX CURRENT:	Φ C 65575 VA 210.1 kVA 263 A			
15 OUTLETS - CONF. 103 20 1 540 B 900 20 1 OUTLETS - LIBRARY CLASSRM 114, STOR 115 16 17 OUTLETS - PRINCIPAL'S OFFICE 105 20 1 1080 C 720 20 1 PROJECTOR & SCREEN - LIBRARY OPEN 113 18 19 OUTLETS - WORKROOM 110 20 1 900 A 20 1 SPARE 20	PANEL "BL" SCHEDULI		INDOOR / SURFACE		
21 REFRIGERATOR - WORKROOM 110 20 1 1000 B 20 1 SPARE 22 23 COPIER - WORKROOM 110 20 1 500 C 20 1 SPARE 24 25 OUTLETS - GIS OFFICE 111 20 1 900 A SPACE ONLY 26	CKT. DESCRIPTION NO. 1 1 OUTLETS - CLASSROOM 100	AMPS POLE(S) VA Φ VA AM 20 1 720 A 720 2	DESCRIPTION APS POLE(S) 20 1 OUTLETS - TELE 111, CORR. 108, CP-1	CKT. NO. 2	
27 OUTLETS - NURSE 112 20 1 720 B SPACE ONLY 28 29 OUTLETS - NURSE 112, TOILET 112A 20 1 900 C SPACE ONLY 30 31 OUTLETS - ELEC. RM 120, HALLWAY 116 20 1 900 A 1250 20 2 WATER HEATER WH-1 32 32 DDIMUNIC FOUNDATION - MALLWAY 146 30 1 600 D 1250 20 2 WATER HEATER WH-1 32	 3 OUTLETS - CLASSROOM 100 5 OUTLETS - CLASSROOM 100 7 CHARGING STAT CLASSROOM 100 9 OUTLETS - CLASSROOM 101 	20 1 900 B 540 2 20 1 720 C 2000 2 20 1 720 A 2000 2 20 1 720 A 2000 2	1HAND DRYER - STUDENT R.R. 1091HAND DRYER - STUDENT R.R. 109	4 6 8	
33 DRINKING FOUNTAIN - HALLWAY 116 20 1 600 B 1250 34 35 OUTLETS - CUST 107, RR 106,108, STOR 109 20 1 900 C 93 15 1 EXHAUST FAN EF-A1 36 37 OUTLETS - HALLWAY 117, 118 20 1 900 A 931 25 2 HVAC ODU/IDU-A1 38 39 OUTLET - ELEC. RM 120 20 1 360 B 931 40	 9 OUTLETS - CLASSROOM 101 11 OUTLETS - CLASSROOM 101 13 OUTLETS - CLASSROOM 101 15 CHARGING STAT CLASSROOM 101 	20 1 720 B 2000 2 20 1 900 C 2000 2 20 1 720 A 720 2 20 1 720 B 360 2	1 HAND DRYER - STUDENT R.R. 110 0 1 OUTLETS - ELEC 112	10 12 14 16	
39 OUTLET - ELEC. RM 120 20 1 360 B 931 40 41 AUTO DOOR OPERATOR - MAIN OFFICE 100 20 1 180 C 1115 20 2 HVAC VRF IDU 1-1A, 7A, 8A, & BCC 42 43 SPARE 20 1 A 1115 44 45 SPARE 20 1 B 1321 20 2 HVAC VRF IDU 1-2A to 4A, 5A, 6A 46	15CHARGING STAT CLASSROOM 10117OUTLETS - CLASSROOM 10219OUTLETS - CLASSROOM 10221OUTLETS - CLASSROOM 102	20 1 720 C 600 2 20 1 900 A 2	1EXTERIOR DOORS ACCESS CONTROL1SPARE	18 20 22	
43 SFARE 20 1 0 1521 20 2 1100012200042, 54, 54, 54 40 47 SPARE 20 1 C 1277 48 49 EXTERIOR DOORS ACCESS CONTROL 20 1 600 A 6580 125 3 PANEL "AL-IT" 50 51 OUTLETS - ROOF 20 1 540 B 4180 52	 21 OUTLETS - CLASSROOM 102 23 CHARGING STAT CLASSROOM 102 25 OUTLETS - CLASSROOM 103 27 OUTLETS - CLASSROOM 103 	20 1 720 C 2	1 SPARE 1 SPARE	24 26 28	
53 FA SPRINKLER RISER BELL* 20 1 180 C 4080 54 LOAD SUMMARY: Φ A 18576 VA BUSING: 250A 54	29 OUTLETS - CLASSROOM 103 31 CHARGING STAT CLASSROOM 103 33 SPARE	20 1 720 C 1250 -	 00 3 PANEL"BL1"	30 32 34	
Φ B 15582 VA MAIN: 250A Φ C 14085 VA CONNECTED LOAD: 48.2 kVA MAX CURRENT: 155 A	35 SPARE37 IRRIGATION CONTROL - SITE39 OUTLETS - ROOF	20 1 C 4686 - 20 1 180 A 4080 1 20 1 1260 B 4080 -		36 38 40	
PANEL "ALIT" SCHEDULE 120/208V 30 4W 22kAIC INDOOR / SURFACE	41 FA SPRINKLER RISER BELL * LOAD SUMMARY:	ΦΑ 18807 VA BU	 ISING: 400A AIN: 400A	42	
CKT. DESCRIPTION BREAKER VA Φ VA BREAKER DESCRIPTION CKT. NO. AMPS POLE(S) VA Φ VA $AMPS$ POLE(S) DESCRIPTION NO. 1 SERVER RACK OUTLETS 20 1 360 A 2500 30 2 SERVER RACK UPS OUTLET 2	CONNECTED LOAD: MAX CURRENT:	ΦC 15816 VA 53.9 kVA 161 A * P	ROVIDE RED HANDLE C.B. W/ INTEGRAL LOCK-ON DEVICE		
3 SERVER RACK OUTLETS 20 1 360 B 2500 4 5 CONVENIENCE OUTLETS 20 1 360 C 2500 30 2 SERVER RACK UPS OUTLET 6 7 CONVENIENCE OUTLETS 20 1 360 A 2500 6	PANEL "BL1" SCHEDU	LE 120/208V 3Φ 4W 22kAIC	INDOOR / SURFACE		
9 CONVENIENCE OUTLETS 20 1 360 B 500 20 1 EMS PANEL 10 11 CONVENIENCE OUTLETS 20 1 360 C 500 20 1 SECURITY PANEL 12 13 CONVENIENCE OUTLETS 20 1 360 A 500 20 1 FA ALARM PANEL* 14	CKT. DESCRIPTION NO. 1 OUTLETS - CLASSROOM 104	AMPS POLE(S) VA Φ VA AM		CKT. NO. 2	
15 CONVENIENCE OUTLETS 20 1 360 B 100 20 1 LIGHTING GATEWAY 16 17 AT&T MPOE OUTLETS 20 1 360 C 20 1 SPARE 18 19 SPARE 20 1 A 20 1 SPARE 20	 3 OUTLETS - CLASSROOM 104 5 OUTLETS - CLASSROOM 104 7 CHARGING STAT CLASSROOM 104 	20 1 900 B 931 - 20 1 720 C 93 1 20 1 720 A 1176 1	5 1 EXHAUST FAN EF-B1	4 6 8	
21 SPARE 20 1 B 20 1 SPARE 22 23 SPARE 20 1 C 20 1 SPARE 24 25 SPARE 20 1 A SURGE PROTECTIVE DEVICE 26	 9 OUTLETS - CLASSROOM 105 11 OUTLETS - CLASSROOM 105 13 OUTLETS - CLASSROOM 105 	20 1 720 B 37 1 20 1 900 C 93 1 20 1 720 A 2	5 1 EXHAUST FAN EF-B4	10 12 14	
27 SPARE 20 1 B 28 29 SPARE 20 1 C 30 LOAD SUMMARY: Φ A 6580 VA BUSING: 125A	 15 CHARGING STAT CLASSROOM 105 17 OUTLETS - CLASSROOM 106 19 OUTLETS - CLASSROOM 106 	20 1 720 C 2		16 18 20	
Φ B 4180 VA MAIN: 125A Φ C 4080 VA 14.8 kVA 14.8 kVA	 21 OUTLETS - CLASSROOM 106 23 CHARGING STAT CLASSROOM 106 25 OUTLETS - CLASSROOM 107 			22 24 26	
MAX CURRENT: 55 A * PROVIDE RED HANDLE C.B. W/ INTEGRAL LOCK-ON DEVICE	 27 OUTLETS - CLASSROOM 107 29 OUTLETS - CLASSROOM 107 31 CHARGING STAT CLASSROOM 107 	20 1 900 B 20 1 720 C 20 1 720 A		28 30 32	H
	33 OUTLETS - ELEC 112, CORR 108, R.R. 106A 35 OUTLETS - CORR 108, R.R. 110 37 SPARE	20 1 900 B 20 1 720 C 20 1 A	FUTURE EV CHARGER	34 36 38	Hardin-Davidson E 356 Pollasky Ave., Suite 200
METAL STUDS FRAMING. (TYP.)	39 SPARE 41 SPARE LOAD SUMMARY:	20 1 B 20 1 C ΦA 6607 VA BU	FUTURE EV CHARGER SING: 200A	40 42	559.323.4995 tel • 559.323 www.hardin-davidson.com
SURFACE MOUNT FA CABINET ON GYPSUM BOARD.	CONNECTED LOAD:	Φ C 4686 VA 17.1 kVA	AIN: 200A		McKinley/Fowler El
SECURE CABINET TO EACH STUD USING (3) #10 x MIN. 1 1/4" EMBEDMENT	PANEL "BLIT" SCHEDU	55 A 120/208V 3Ф 4W 22kAIC	INDOOR / SURFACE		Fresno, CA 93727 Power Systems
SELF-TAPPING METAL SCREWS.	CKT. DESCRIPTION	BREAKER VA Ø VA B	REAKER	CKT. NO.	Panel Schedules, Details
FIRE ALARM CONTROL PANEL W/ EVAC	1SERVER RACK OUTLETS3CONVENIENCE OUTLETS5CONVENIENCE OUTLETS	20 1 360 A 2500 3 20 1 360 B 2500 - 20 1 360 C 500 2		2 4 6	ARC
19.4"W x 30"H x 4.5"D WT. = 32 LBS	 7 CONVENIENCE OUTLETS 9 CONVENIENCE OUTLETS 11 CONVENIENCE OUTLETS 	20 1 360 A 500 2 20 1 360 B 500 2	0 1 SECURITY PANEL 0 1 FA ALARM PANEL *	8 10 12	darden architects www.d
	13CONVENIENCE OUTLETS15CONVENIENCE OUTLETS17SPARE	20 1 360 A	SPACE ONLY SPACE ONLY SPACE ONLY	14 16 18	6790 N. West Ave. • Fresno, CA 937
	19SPARE21SPARE23SPARE	20 1 A 20 1 B 20 1 C	SPACE ONLY SPACE ONLY	20 22 24	No. Revision 2 Addendum 2- Electrical R
	25SPACE ONLY27SPACE ONLY29SPACE ONLY			26 28 30	
PPLIES TO EITHER NEW OR L CONSTRUCTION. PANEL SHALL OVER EXISTING STUD FRAMING. S NOT POSSIBLE, METALLIC	LOAD SUMMARY:	Φ Β 4080 VA MA Φ C 1320 VA	SING: 100A AIN: 100A		
ALL STUDS AND LINED UP WITH AND BOTTOM OF PANEL.	CONNECTED LOAD: MAX CURRENT:	9.5 kVA	ROVIDE RED HANDLE C.B. W/ INTEGRAL LOCK-ON DEVICE		Scale: As indicated Drawn E
Fire Alarm Control Panel Mounting Detail					Project Number: 2116 Checker
7 8 9 10 11	12 13	14	15 16	17	Date: 09/19/2022 Reviewer 18
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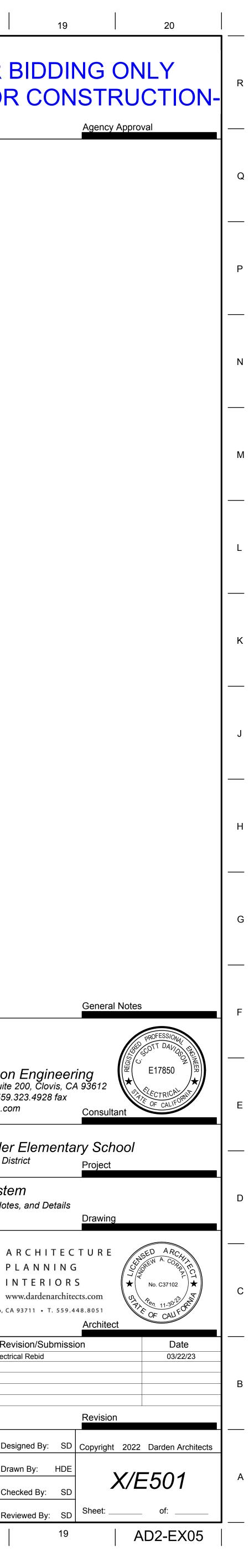
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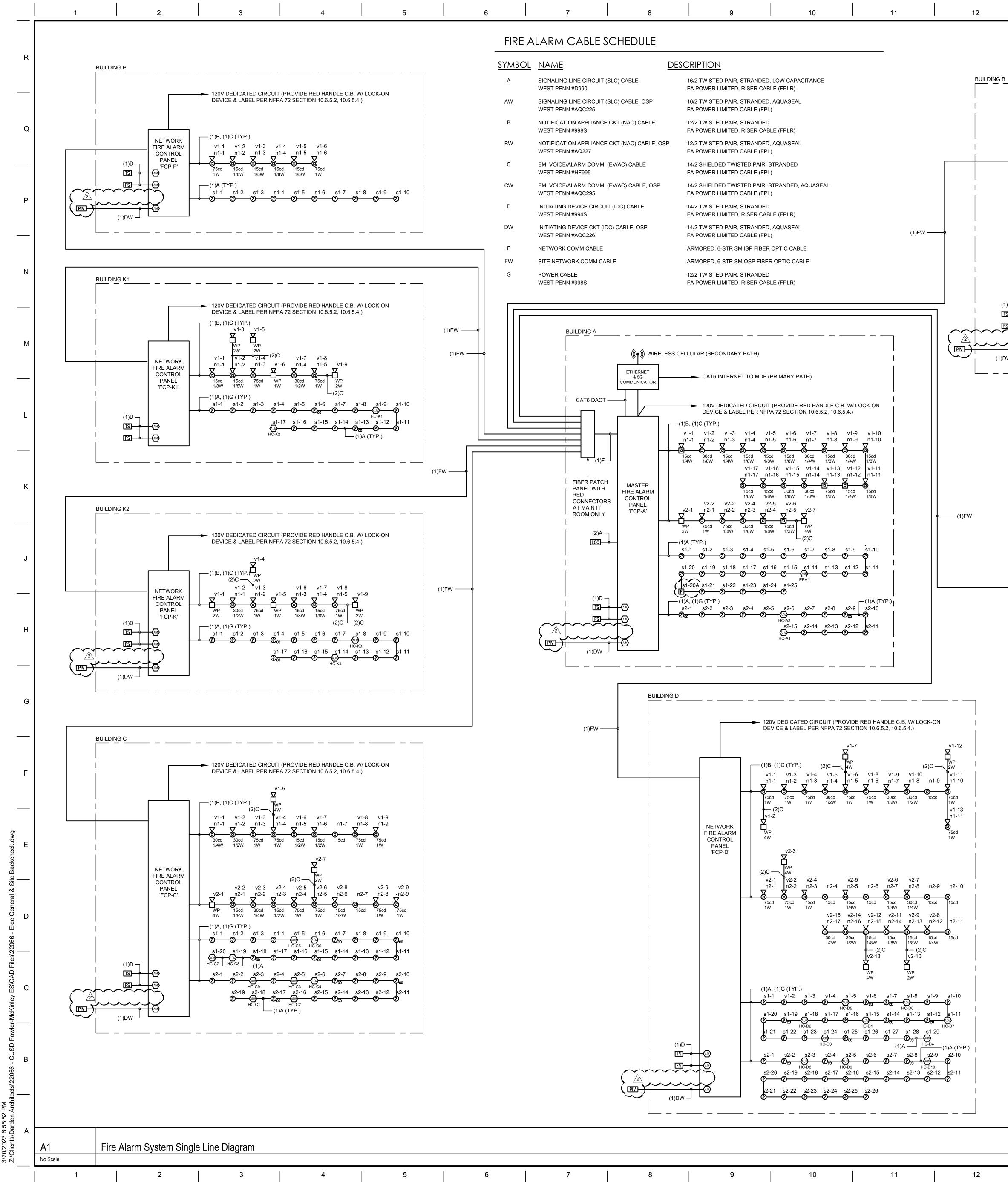






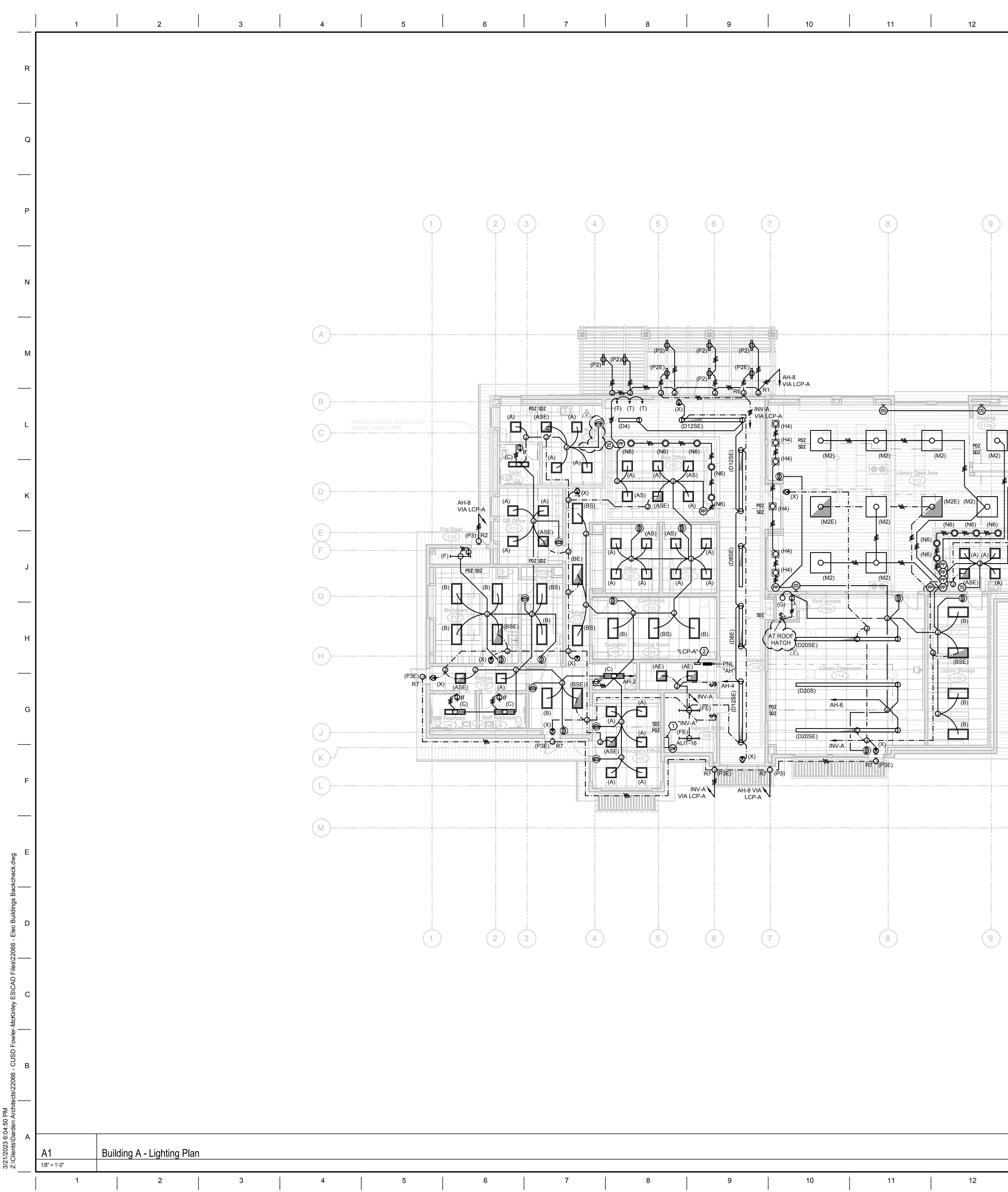
1 1	8 9 10 11 12	13 14 15 16 17	
	FIRE ALARM GENERAL NOTES	FIRE ALARM SYMBOL SCHEDULE	FOR B
→	 FIRE ALARM SYSTEM: ADDRESSABLE, CLASS B, AUTOMATIC WITH EMERGENCY VOICE/ALARM COMMUNICATION (EVAC). ALL WORK SHALL CONFORM TO THE 2016 EDITION OF NFPA 72, AND THE 2019 EDITION OF CBC, CEC, AND CFC. 	<u>SYMBOL</u> <u>DESCRIPTION</u> <u>EQUIPMENT</u> <u>CSFM</u>	-NOT FOR
	3. INSTALLATION OF THE FIRE ALARM SYSTEM (FAS) SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATIONS, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAS BEEN	FCPM MASTER FIRE ALARM CONTROL PANEL GAMEWELL-FCI E3 SERIES, FOCAL POINT INTEGRATED, 7165-1703:0125 W/ EMERGENCY VOICE/ALARM W/ ILI-MB-E3, RPT-E3-UTP, FSL-E3, ASM-16, INI-VGC, PM-9, COMMUNICATION LCD-E3, AM-50-70, DACT-E3;	
	 APPROVED BY DSA. 4. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR. (THE LOCAL FIRE AUTHORITY MAY WITNESS THE TEST). 	TELULAR "TELGUARD" TG-7FS INTERNET/5G COMMUNICATOR 7300-1402:0504 LOCAL OPERATING CONSOLE GAMEWELL-FCI E3-LOC W/ NGA, ASM-16, INI-VGC, 7165-1703:0125	
	 A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR THE INSTALLATION. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE 	W/ ANNUNCIATOR & PAGING MICROPHONE INCC-MIC FCP NETWORK FIRE ALARM CONTROL PANEL GAMEWELL-FCI E3 SERIES W/ ILI-MB-E3, RPT-E3-UTP, 7165-1703:0125 W/ EMERGENCY VOICE/ALARM FSL-E3, INI-VGC, PM-9, LCD-E3, AM-50-70 7165-1703:0125	
d Ave.	ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT. 7. DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND/OR	Image: Communication For Ed, introduct, for index	
Willar	TESTING. 8. ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7, UL, OR OTHER LAB TESTING CRITERIA. APPROVED TYPE OF MATERIALS SHALL	DETECTOR BASE GAMEWELL-FCI #B501 7300-1653:0109 Image: Detector base GAMEWELL-FCI #ATD-L2F 7270-1703:0115	
	BE IDENTIFIED WITHIN THE SPECIFICATION WITHIN THE FIRE ALARM SECTION. 9. MICROPHONE ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE,	DETECTOR BASE GAMEWELL-FCI #B501 7300-1653:0109 	
	INSTALLED IN COMPLIANCE WITH CBC SECTIONS 11B-305 AND 11B-308. 10. WALL MOUNTED VISUAL NOTIFICATION DEVICES SHALL HAVE THEIR ENTIRE LENS WITHIN AT 80" MINIMUM AND 96" MAXIMUM FROM FINISHED FLOOR.	SOUNDER BASE GAMEWELL-FCI #B200S 7135-1653:0213 LOCATE ADJACENT TO THE SUPPLY AIR REGISTER NEAREST TO THE SERVING HVAC UNIT. 7135-1653:0213 Image: Comparison of the supply and t	
	11. WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THAN 6" TO A HORIZONTAL STRUCTURE.	MONITOR MODULE GAMEWELL-FCI #AMM-2F 7300-1703:0102	7
SPRINKLER RISER	12. AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBELS (dBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5 dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY SPACE WITHIN A BUILDING THAT MAY BE OCCUPIED AND BE INTELLIGIBLE.	RELAY MODULE GAMEWELL-FCI #AOM-2SF 7300-1703:0102 YISIBLE NAC DEVICE, CEILING MT'D EATON/WHEELOCK #ELSTWC 7135-0785:0504 (cd INDICATED ON PLANS) EATON/WHEELOCK #ELSTWC 7135-0785:0504	
EA CONTROL PANEL "FCP-E"	13. AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN, PRIOR TO "EVAC" ANNOUNCEMENT. THE CARBON MONOXIDE SIGNAL SHALL SOUND A FOUR-PULSE TEMPORAL PATTERN PER NFPA 720, 5.8.6.5.1.	SPEAKER/VISIBLE NAC DEVICE, CEILING MT'D EATON/WHEELOCK #ELSPSTWC 7320-0785:0505 (WATTS & cd INDICATED ON PLANS)	
SPRINKLER POST INDICATOR VALVE	 14. THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS. 15. VISUAL DEVICES SHALL NOT EXCEED 2 FLASHES PER SECOND AND SHALL NOT BE SLOWER THAN 1 FLASH PER SECOND. THE DEVICE 	SPEAKER/VISIBLE NAC DEVICE, WALL MT'D EATON/WHEELOCK #ELSPSTR 7320-0785:0505 (WATTS & cd INDICATED ON PLANS)	
EL "FCP-D" SPRINKLER RISER	SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELA. VISUAL DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED. 16. UNDERGROUND AND EXTERIOR CONDUITS SHALL HAVE WATERTIGHT FITTINGS AND WIRE APPROVED FOR WET LOCATIONS.	EXTERIOR SPEAKER, WP, WALL MT'D EATON/WHEELOCK #ET-1010-R 7320-0785:0105 (WATTS INDICATED ON PLANS)	
TAMPER & FLOW SWITCH	17. ALL FIRE ALARM WIRING SHALL BE FLP OR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE THHN OR THWN.	PIV SPRINKLER POST INDICATOR VALVE SPECIFIED BY FIRE PROTECTION ENG. IS SPRINKLER RISER TAMPER SWITCH SPECIFIED BY FIRE PROTECTION ENG.	
INDICATOR VALVE	18. PER CEC STANDARDS, ALL WIRING SHALL BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE WIRE. ANY CONNECTION SHALL BE BY LUG CONNECTION AT A DEVICE OR AT A FATC TERMINAL BLOCK ONLY. ALL BOXES TO BE SIZED PER CEC.	Image: Sprinkler Riser Flow Switch Specified by fire protection eng.	
	19. SMOKE DETECTORS SHALL NOT BE CLOSER THAN 12" FROM FIRE SPRINKLERS NOR 36" FROM SUPPLY AIR DIFFUSERS. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION, NEWLY INSTALLED FIRE ALARM DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.	SPRINKLER RISER BELL SPECIFIED BY FIRE PROTECTION ENG.	
	20. ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY, OR OPEN RUN ABOVE CEILINGS, UNDER FLOORS, AND IN WALLS IN A NEAT AND PROTECTED MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN		
	NOTED AS EXPOSED ON DESIGN DOCUMENTS. OWNER STANDARDS MAY BE MORE STRINGENT. 21. FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS' SPECIFICATIONS. ANY SINGLE DEVICE SHALL NOT EXCEED THE WEIGHT OF 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.		
	22. A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A LOCKING DEVICE WITH RED MARKING PER NFPA 72. SECTION 10.6.5.4 AND 10.6.5.2.3 TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL		
	23. THE INSTALLING CONTRACTOR SHALL PROVIDE A RECORD OF COMPLETION IN COMPLIANCE WITH NFPA 72, SECTION 7.5.6.		
	24. CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48". 25. THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC 901.6.2.		
	26. SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTIONS WITH FINAL TEST. FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72. THE SUPERVISING STATIONS SHALL BE LISTED AS EITHER UUFX (CENTRAL STATION) OR UUJS (REMOTE AND PROPRIETARY) BY UNDERWRITERS LABORATORY (UL) OR SHALL COMPLY WITH THE REQUIREMENTS OF STANDARD FM		
	3011. A COPY OF ALL DEVICES REPORTED TO THE CENTRAL STATION SHALL BE PROVIDED TO THE OWNER'S ELECTRONICS DEPARTMENT. 27. OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.		
	 27. OWNER SHALE BE RESPONSIBLE FOR ESTABLISHING A FIRE STSTEM MONITORING CONTRACTOR FROMSIONS. 28. ALL WIRING IS SHOWN DIAGRAMMATICALLY. SUBJECT TO DSA APPROVAL, CONTRACTOR MAY VARY SEQUENCE OF CIRCUITRY; HOWEVER, ALL CIRCUITS SHALL BE CONTINUOUS AND SUPERVISED. 		
	29. ALL CONNECTIONS SHALL BE PROPERLY LABELED BY CONDUCTOR AND SHALL HAVE STA-KON LUG CONNECTORS. PANDUIT TAG (TIE WRAP) SEPARATELY.		-
	30. FIRE ALARM TERMINAL CABINETS SHALL HAVE SUFFICIENT SPACE, TERMINAL BOARDS AND SCREW TERMINAL CONNECTORS TO ALLOW CONNECTION OF ALL CONDUCTORS SHOWN. PROVIDE BARRIER TO SEPARATE FIRE ALARM SYSTEM WHEN TERMINAL CABINET IS SHARED WITH NON-FIRE ALARM SYSTEMS. CONTRACTOR SHALL BE REQUIRED TO SUBMIT WITH HIS OTHER SHOP DRAWINGS DETAILED DRAWINGS OF HIS PROPOSED CONNECTIONS AT EACH FIRE ALARM TERMINAL CABINET PRIOR TO COMMENCING ANY WORK.	INITIATION CONDITON FIRE SPRINKLER TAMPER SWITCH, POST INDICATOR VALVE CARBON- MONOXIDE (CO) DETECTOR ALARM FIRE SPRINKER FLOW SWITCH GROUND FAULT	
	 ALL NAC CIRCUIT CONDUCTORS SHALL BE #12 AWG, STRANDED (19 STRANDS OR LESS) COPPER, UNLESS OTHERWISE NOTED. SET END-OF-LINE RESISTORS IN DISTRIBUTION TERMINAL CABINETS. 	ANNUNCIATE TROUBLE • ANNUNCIATE ALARM • ANNUNCIATE CO ALARM • ANNUNCIATE SUPERVISORY •	
	 33. BATTERIES SHALL BE STAMPED WITH DATE OF MANUFACTURE. 34. INSTALLATION OF FAS EQUIPMENT SHALL BE BY AN AUTHORIZED ENGINEERED SYSTEM DISTRIBUTOR FOR THE EQUIPMENT SPECIFIED BY THE MANUFACTURER FOR SALES, SERVICE, INSTALLATION AND MAINTENANCE. PROVIDE CERTIFICATIONS WITH 	INITIATE NOTIFICATION APPLICANCES INITIATE EV/AC APPLICANCES INITIATE EV/AC APPLICANCES INITIATE EV/AC APPLICANCES TRANSMIT TO CENTRAL STATION Image: Contral station	
	EQUIPMENT SUBMITTALS. SUBMITTALS BY FIRMS NOT FULFILLING THIS REQUIREMENT WILL BE AUTOMATICALLY REJECTED. 35. THE FAS INSTALLER SHALL BE NICET LEVEL 2 CERTIFIED.	CLOSE FIRE/SMOKE DAMPER • • SHUTDOWN HVAC UNITS • • DOOR RELEASE • • ACCESS CONTROL OVERRIDE • •	
	36. THE FAS INSTALLER SHALL PROVIDE ALL FACTORY WARRANTIES TO THE OWNER AT THE CLOSE UP OF THE PROJECT. 37. THE FAS INSTALLER SHALL PROVIDE WRITTEN CERTIFICATION USING NFPA 72 INSPECTION AND TESTING FORMS AND SHALL CERTIFY		_
	THAT THE INSTALLATION, TESTING, AND OPERATION CONFORM IN ALL RESPECTS TO THE REQUIREMENTS AS SET FORTH IN TITLE 19 OF THE CALIFORNIA CODE OF REGULATIONS AND PART 3, ARTICLE 760 OF TITLE 24 OF THE C.C.R. AND C.B.C. SECTION 907. THE CONTRACTOR SHALL SUBMIT THE COMPLETED FAS CERTIFICATION AND DESCRIPTION FORM TO DIVISION OF STATE ARCHITECT.	F13 Fire Alarm Sequence of Operations Matrix	
	38. INCLUDE ALL DEMOLITION OF EXISTING FIRE ALARM SYSTEM WHETHER SPECIFICALLY SHOWN OR NOT. REMOVE ALL CABLING & UNUSED EXPOSED RACEWAY & OUTLETS. BLANK OFF ALL UNUSED WALL & HARD CEILING OUTLETS. REMOVE ALL UNUSED OUTLETS IN TEE-BAR CEILING & REPLACE ACOUSTIC TILES. RETURN ALL DEVICES, APPLIANCES, & CONTROL PANELS TO OWNER IF	No Scale	Hardin-Davidson B
	REQUESTED BY OWNER DURING CONSTRUCTION. 39. WHEN FIRE ALARM WORK WILL DISABLE PORTIONS OF THE EXISTING FAS, PROVIDE ALL REQUIRED OVERTIME AND FIRE WATCH IN SCOPE OF WORK.		356 Pollasky Ave., Suite 20 559.323.4995 tel • 559.32
	40. WHERE FIRE ALARM DEVICES ARE BEING INSTALLED IN OTHERWISE INACCESSIBLE AREAS, PROVIDE AN ALLOWANCE FOR THE INSTALLATION OF ACCESS PANELS AND ALL WORK ASSOCIATED WITH THE INSTALLATION. THE CONTRACTOR SHALL CUT ALL THE OPENINGS. THE SIZE OF THE ACCESS PANEL SHALL BE DETERMINED BY THE MAN ACCESS REQUIREMENTS. PROVIDE PAINT GRADE	AUDIBLE DEVICES: WHERE CEILING HEIGHTS PERMIT	www.hardin-davidson.com
	41. FIRE ALARM SYSTEM INSPECTION, TESTING, AND MAINTENANCE SHALL COMPLY WITH NFPA 72, CHAPTER 14.	WALL-MOUNTED APPLIANCES SHALL HAVE THEIR TOPS AT HEIGHTS ABOVE FINISHED FLOORS OF NOT LESS THAN 90" (2.30 M) AND BELOW THE FINISHED CEILINGS OF NOT LESS THAN 6" (0.15m).	McKinley/Fowler E
	42. PROVIDE FIRE ALARM RECORD DOCUMENTS CABINET NFPA 72, 7.7.2 - EVERY NEW FIRE ALARM SYSTEM SHALL PROVIDE A DOCUMENTATION CABINET, INSTALLED AT THE SYSTEM CONTROL PANEL OR		Fresno, CA 93727 Fire Alarm System
	OTHER APPROVED LOCATION. - THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED, "FIRE ALARM SYSTEM RECORD DOCUMENTS". - ALL RECORD AND TESTING DOCUMENTATION SHALL BE STORED IN THE CABINET. - CONTENTS SHALL BE ACCESSIBLE BY AUTHORIZED PERSONNEL ONLY.		Symbols, Site Plan, Notes,
	- WHERE CABINET IS INSTALLED IN A LOCATION OTHER THAN THE SYSTEM CONTROL UNIT, ITS LOCATION SHALL BE IDENTIFIED AT THE SYSTEM CONTROL UNIT.	WALL MOUNTED APPLIANCES SHALL HAVE THEIR BOTTOMS AT HEIGHTS ABOVE THE FINISHED FLOOR OF NOT LESS THAN 80" (2m), AND TOPS NO GREATER THAN 96" (2.4m).	AR
	PROVIDE SYSTEM DOCUMENTS AS APPLICABLE: - RECORD DRAWINGS/AS-BUILTS - EQUIPMENT CUT SHEETS & CA SFM LISTINGS		darden IN
	- ALTERNATIVE MEANS AND METHODS - PERFORMANCE BASED DESIGN DOCUMENTATION (NFPA 72, 7.3.7) - SYSTEM RECORD OF COMPLETION & ANY SUPPLEMENTAL INSPECTION AND TESTING DOCUMENTATION (NFPA 72, 7.8.2) - EMERGENCY RESPONSE PLAN (NFPA 72, 7.3.8)		architects www 6790 N. West Ave. • Fresno, CA 93
	- EVALUATION DOCUMENTATION (NFPA 72, 7.3.9) - RISK ANALYSIS DOCUMENTATION (NFPA 72, 7.3.6) - SOFTWARE & FIRMWARE CONTROL DOCUMENTATION (NFPA 72, 23.2.2)		No. Revis
	FIRE ALARM CABLING INSTALLATION NOTES	LOCAL OPERATING CONSOLE WITH ANNUNCIATOR & MICROPHONE ANNUNCIATOR & MICROPHONE ANNUNCIATOR & MICROPHONE ANNUNCIATOR & MICROPHONE ANNUNCIATOR & MICROPHONE ANNUNCIATOR & MICROPHONE ANNUNCIATOR & MICROPHONE	2 Addendum 2- Electrical
	1. FIRE ALARM CABLING SHALL BE INSTALLED IN A RACEWAY SYSTEM, EXCEPT AS NOTED BELOW.		
	 IT SHALL BE ACCEPTABLE TO INSTALL FIRE ALARM CABLING FOR SLC, NAC, EV/AC, AND FA NETWORK OPEN AIR IN ATTIC SPACES ABOVE T-BAR CEILINGS. FIRE ALARM CABLING SHALL BE INSTALLED ON DEDICATED J-HOOKS, SEPARATE FROM OTHER SYSTEMS, PER DETAIL M13/X/E401. 		
	 WHEREVER A HARD LID CEILING SYSTEM IS PRESENT, THE FIRE ALARM CABLING SHALL BE INSTALLED IN CONDUIT IN THE ATTIC SPACE ABOVE THE CEILING. 		Scale: As indicated Drawn
	4. FA FIBER OPTIC NETWORK CABLING SHALL BE RUN DIRECTLY FROM FCP NODE TO FCP NODE (NOT PATCHED IN FROM MDF/IDF) IN A STYLE 7 CONFIGURATION WITH ARMORED, 6-STR SINGLEMODE FIBER OPTIC CABLE. PROVIDE A 1 1/2" CONDUIT STUB FROM THE TOP OF EACH CONTROL PANEL TO THE HORIZONTAL LADDER RACK ABOVE FOR BRINGING THE FO CABLE INTO THE CABINET. TERMINATE	A13 Fire Alarm Wall Mounted Devices Elevation	Project Number: 2116 Check
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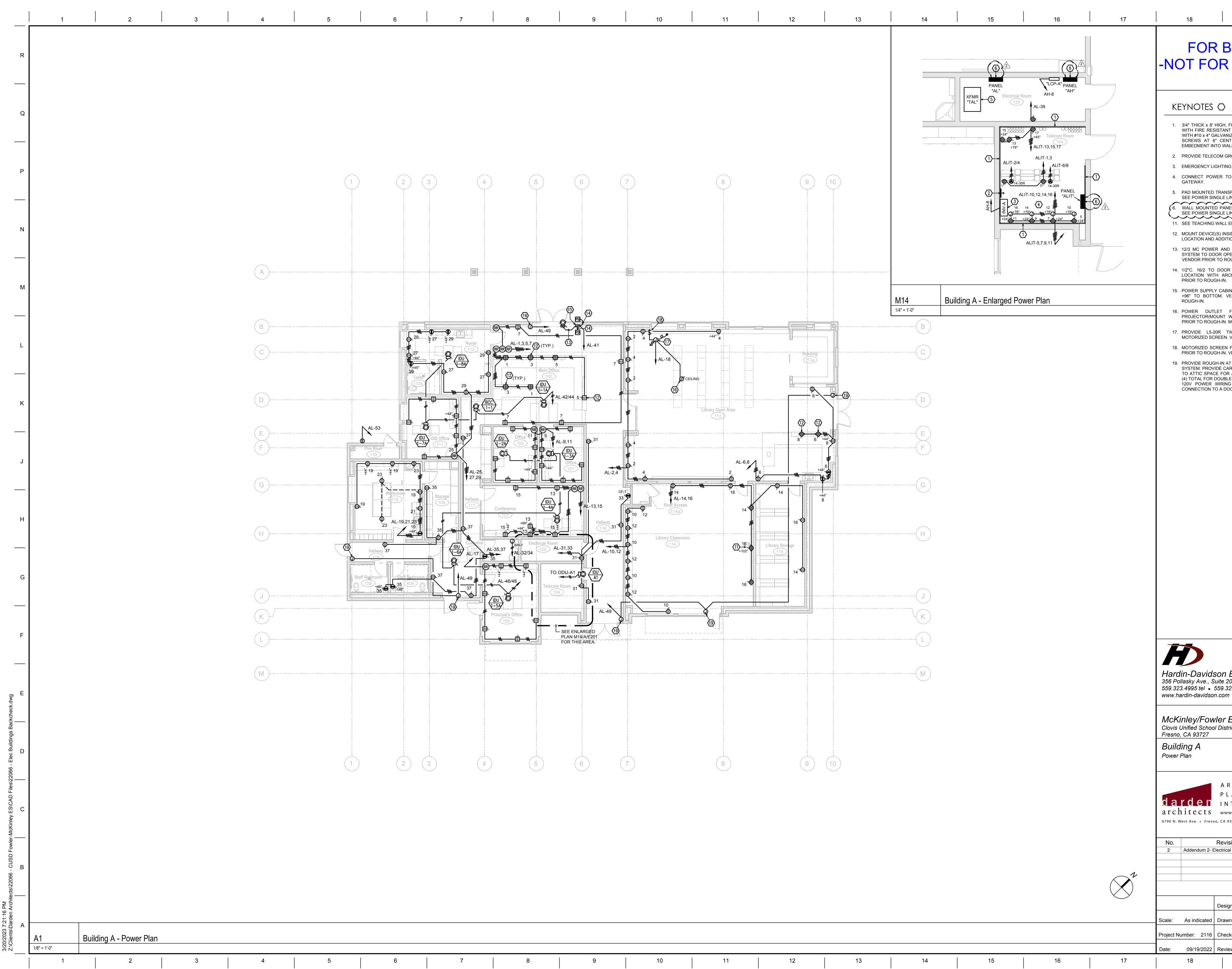
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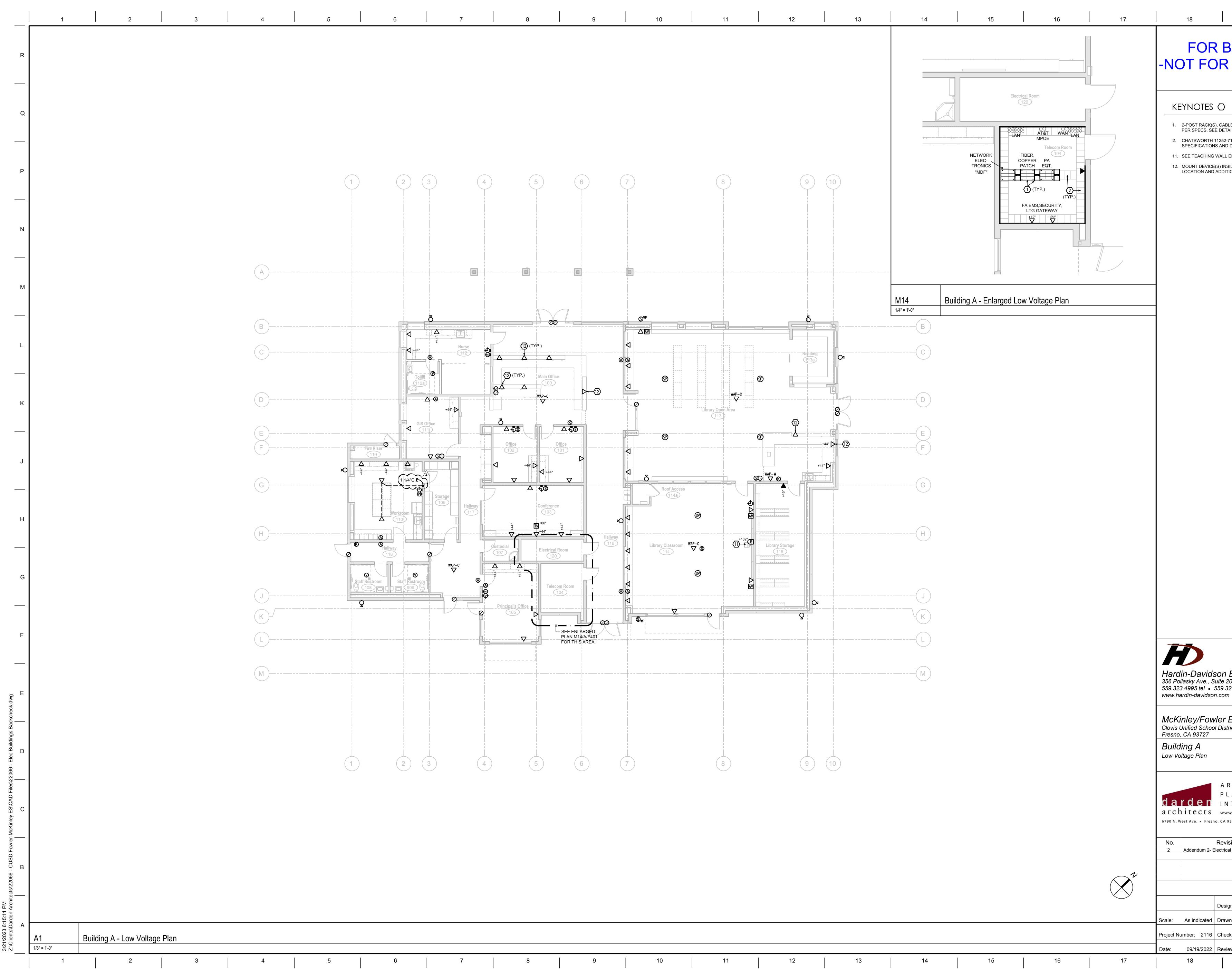
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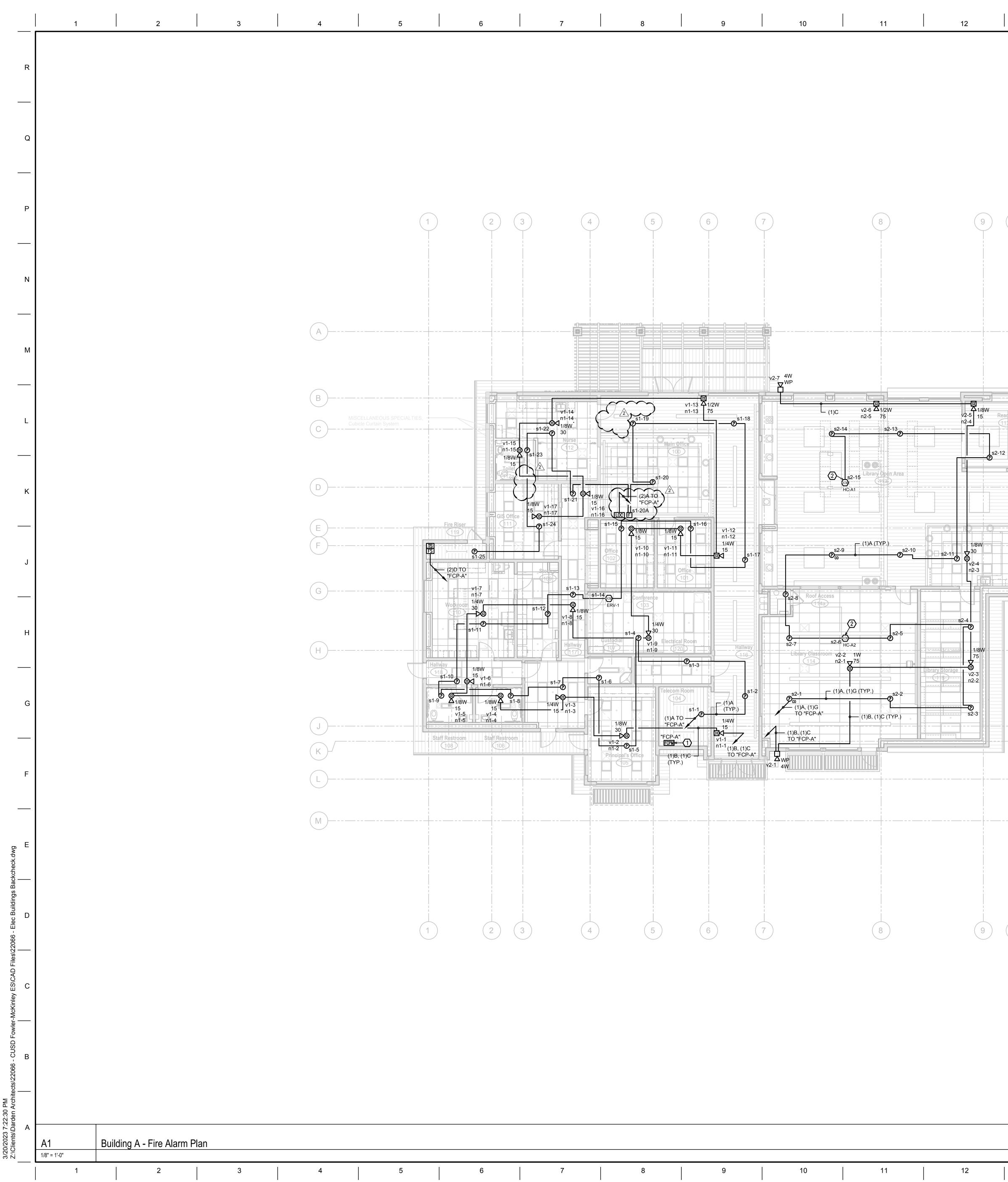
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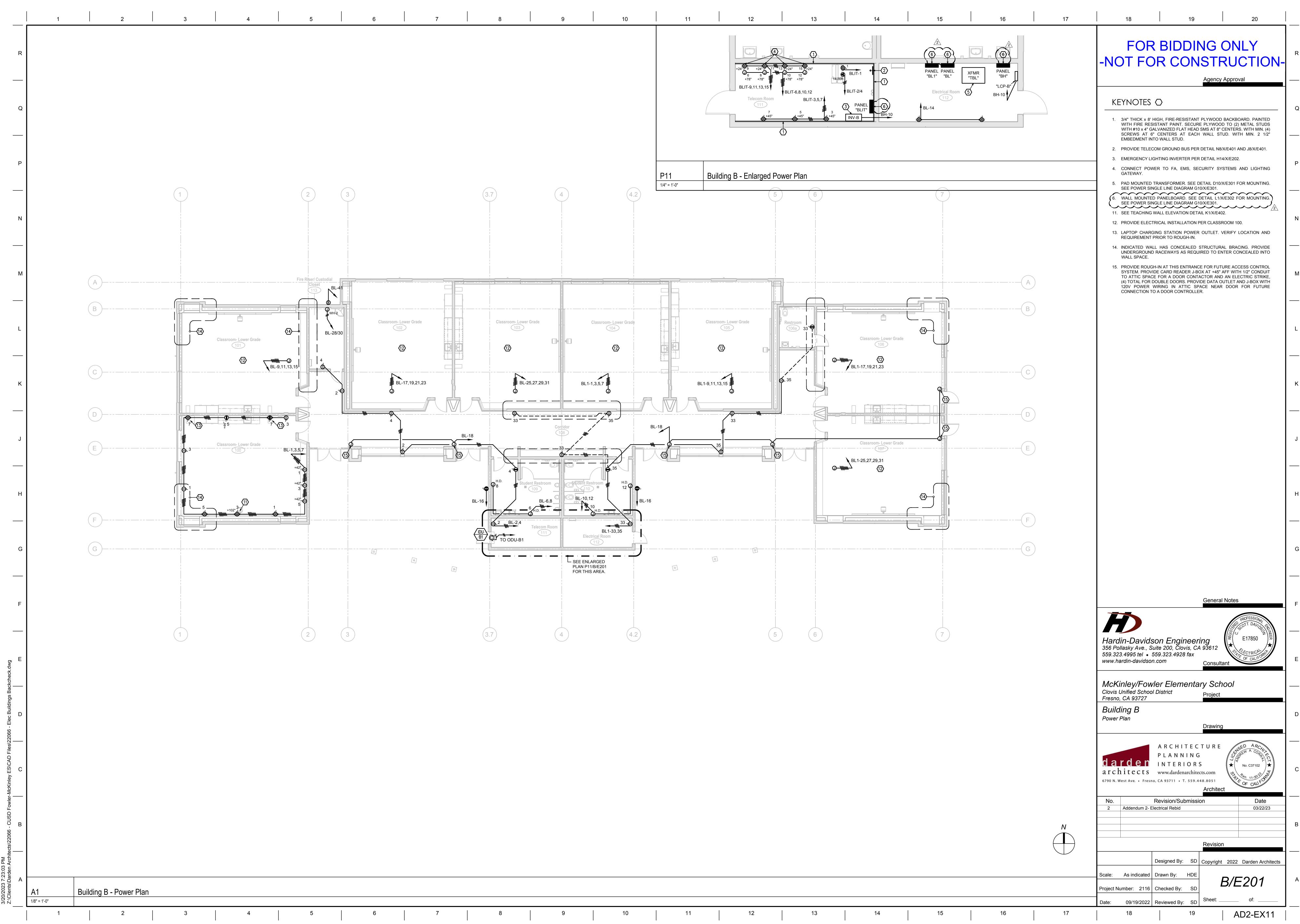


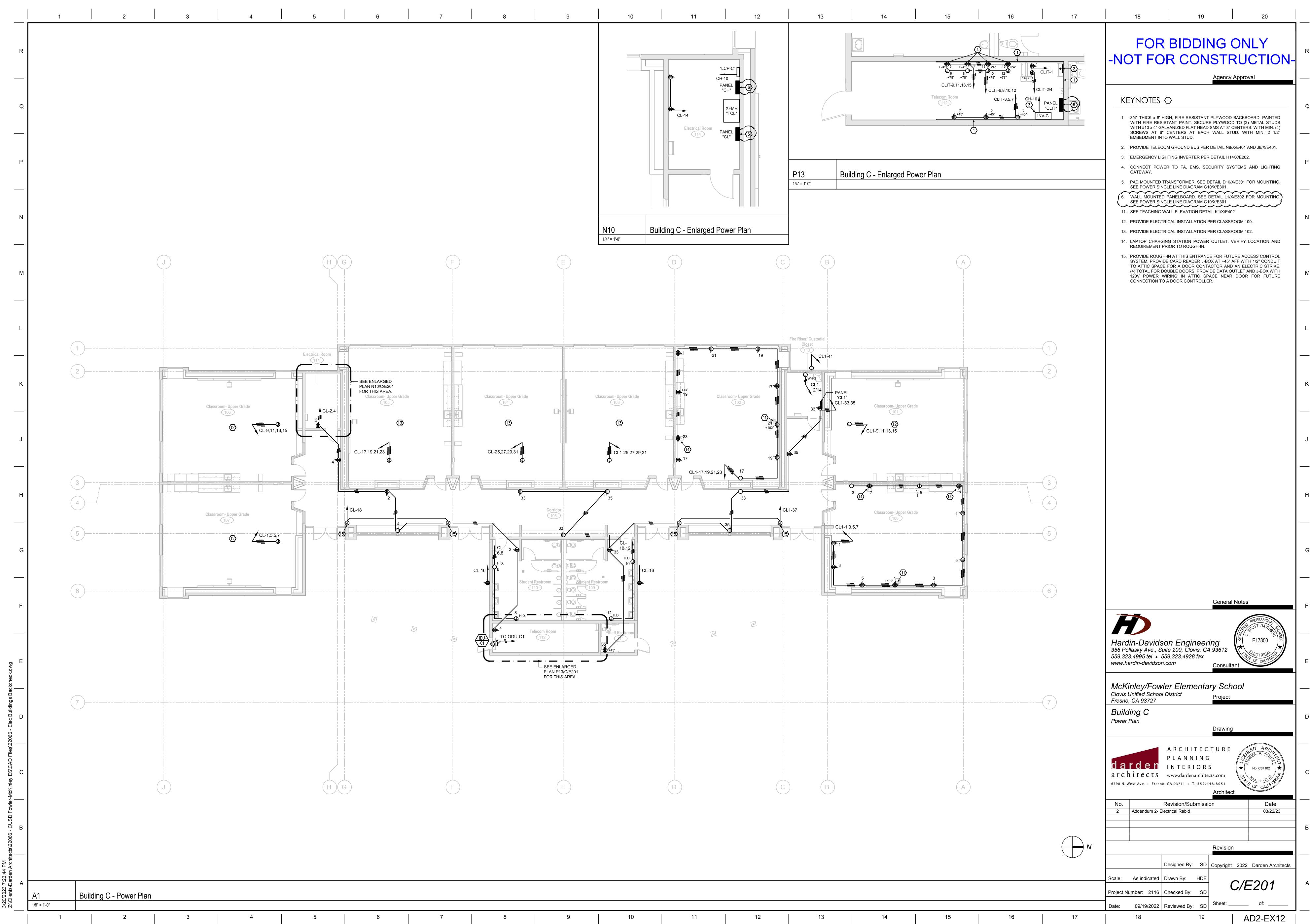
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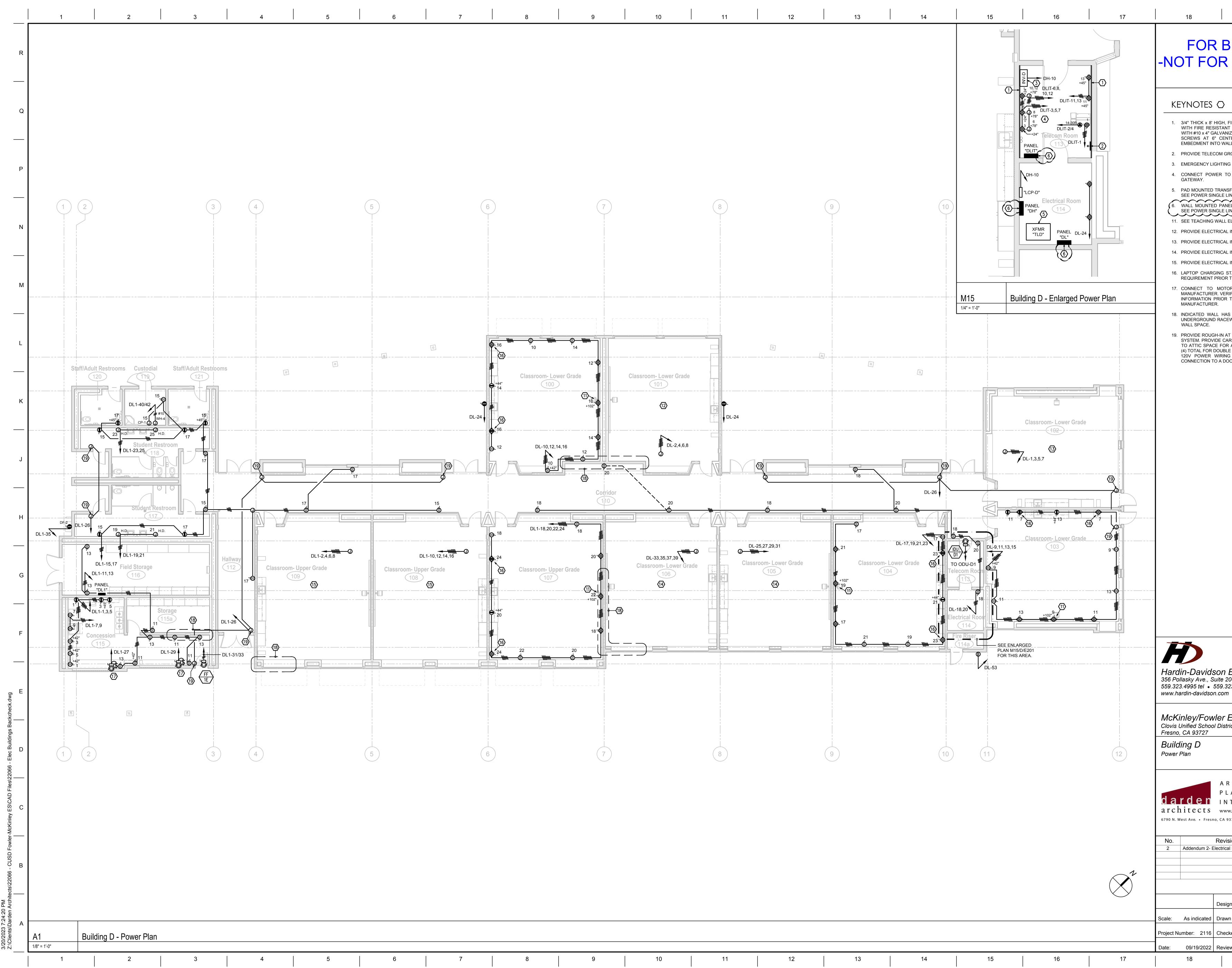


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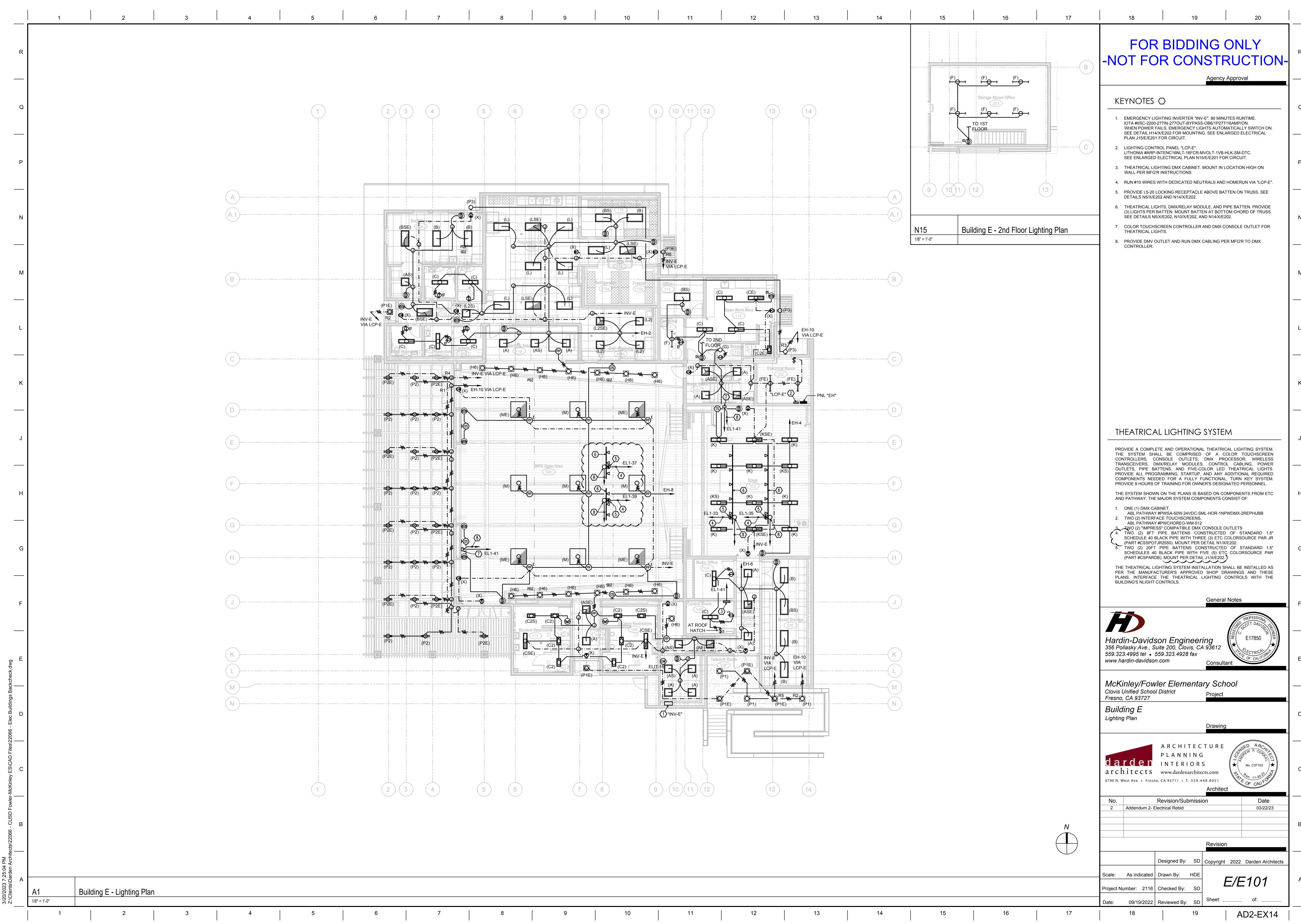


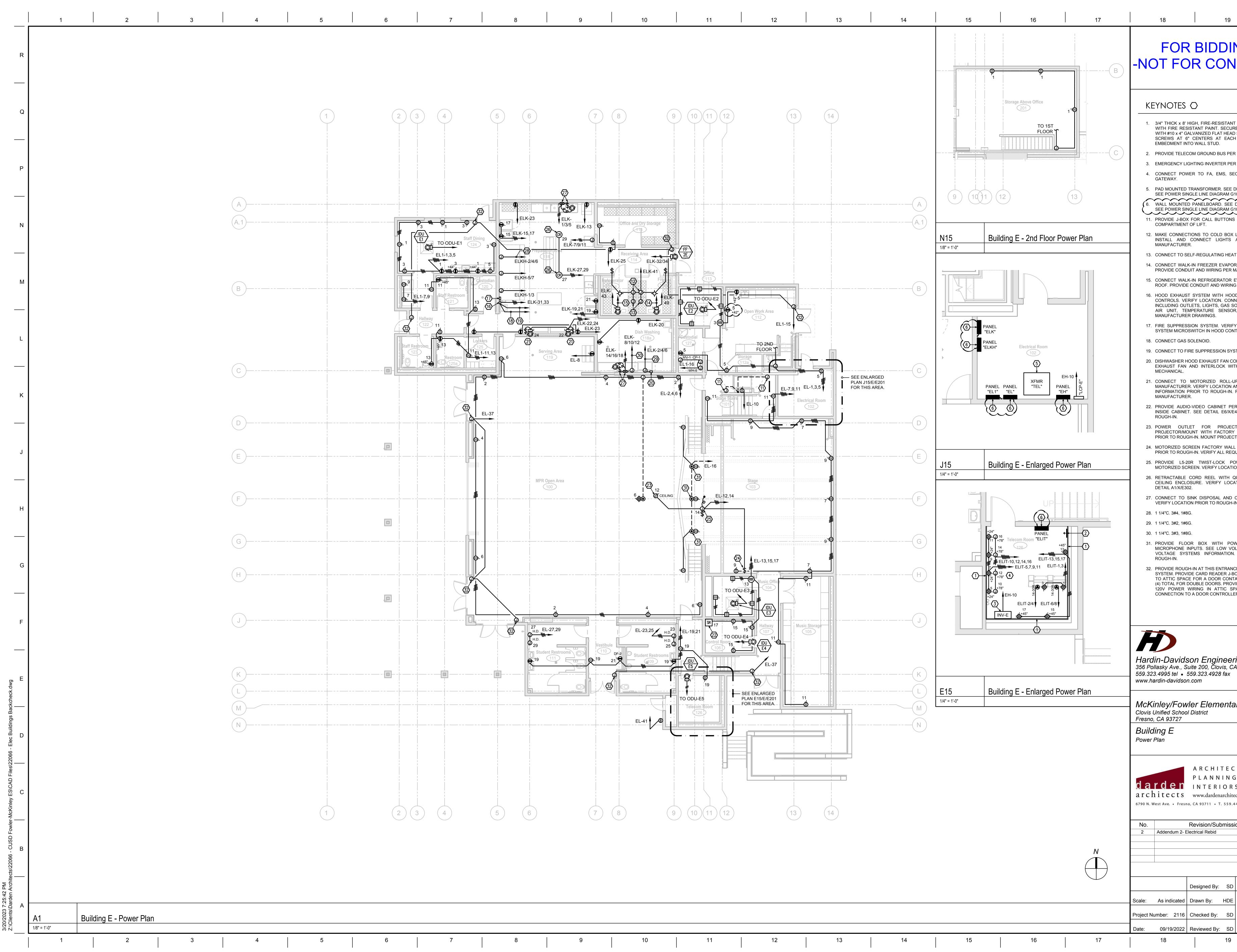




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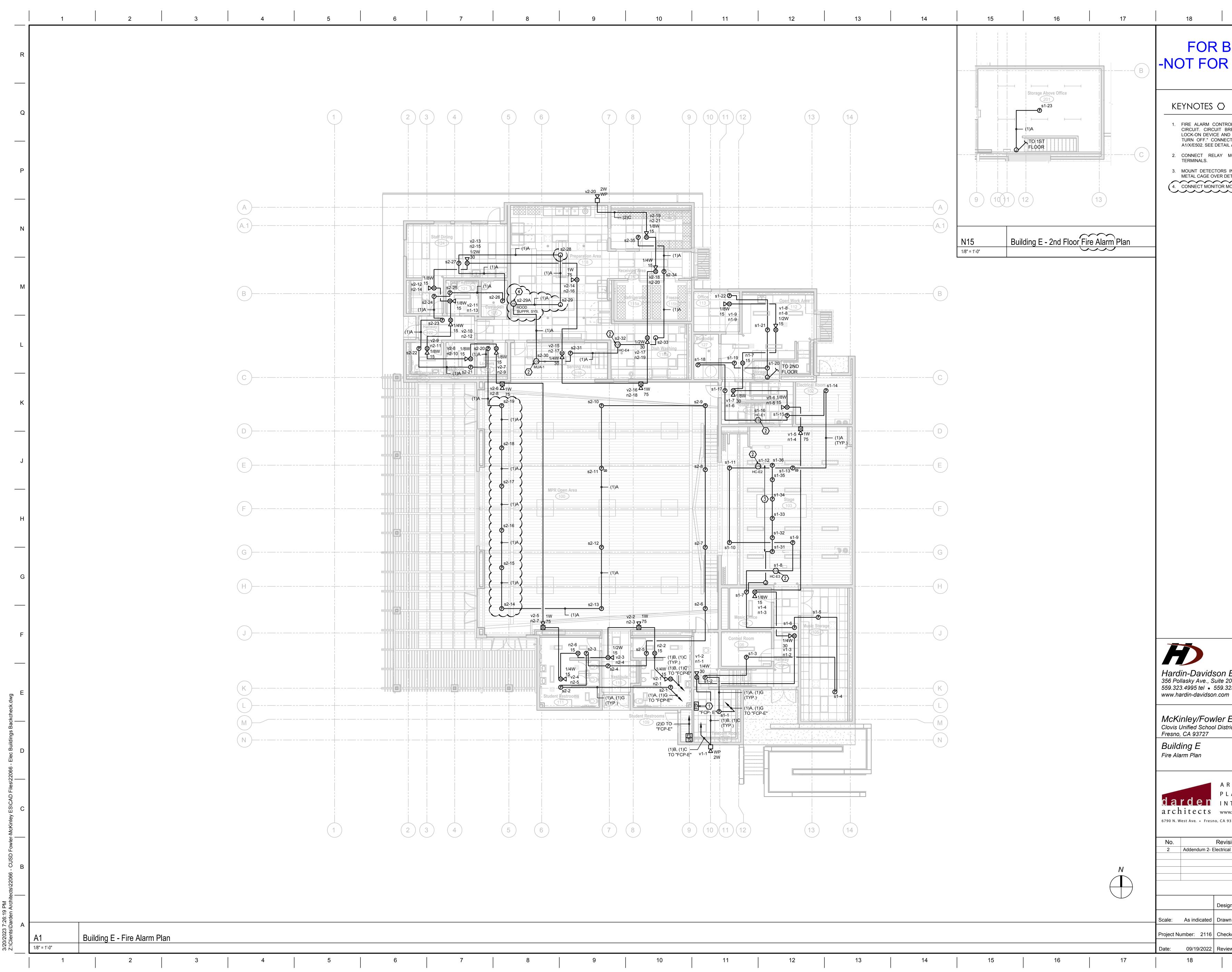
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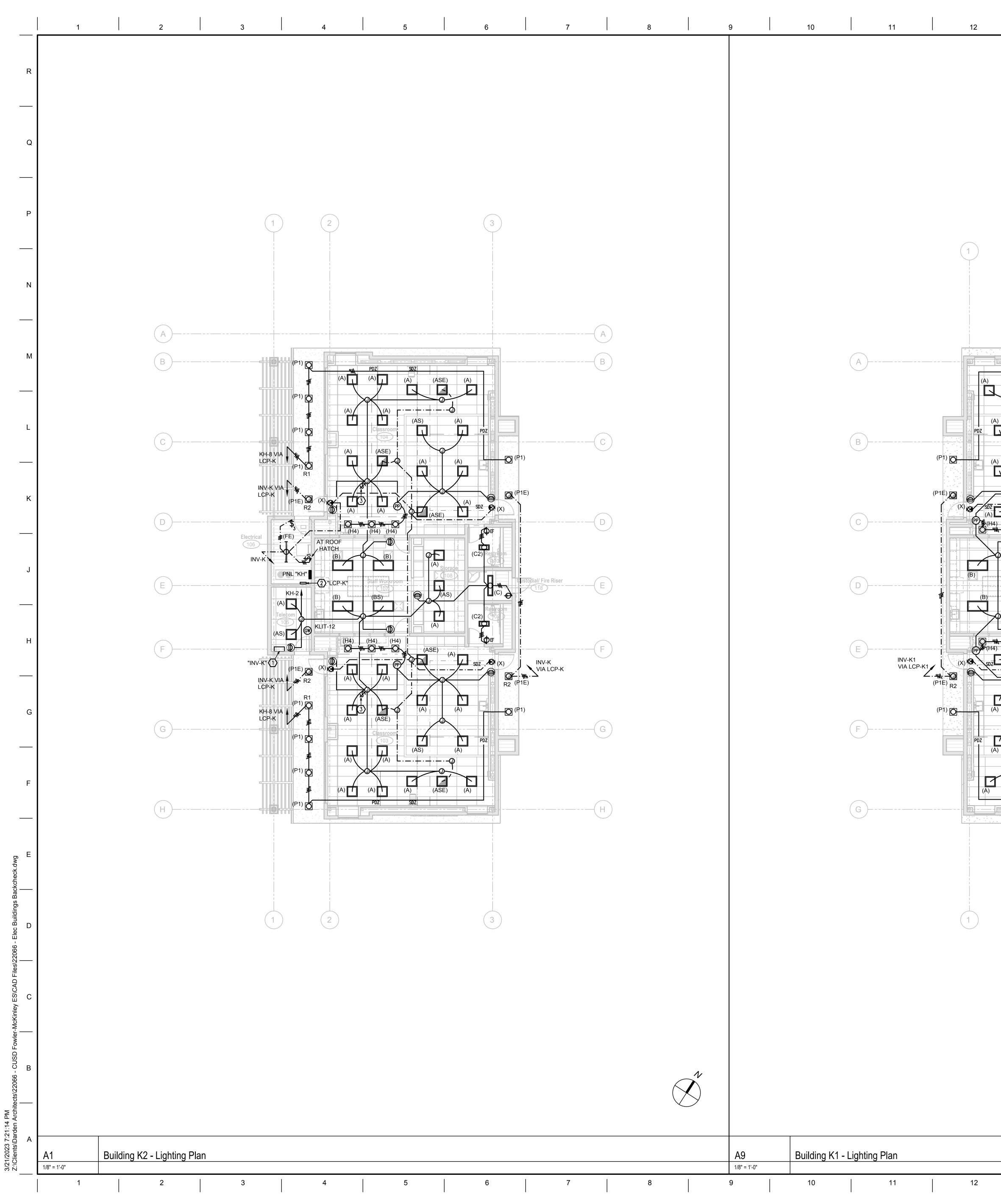


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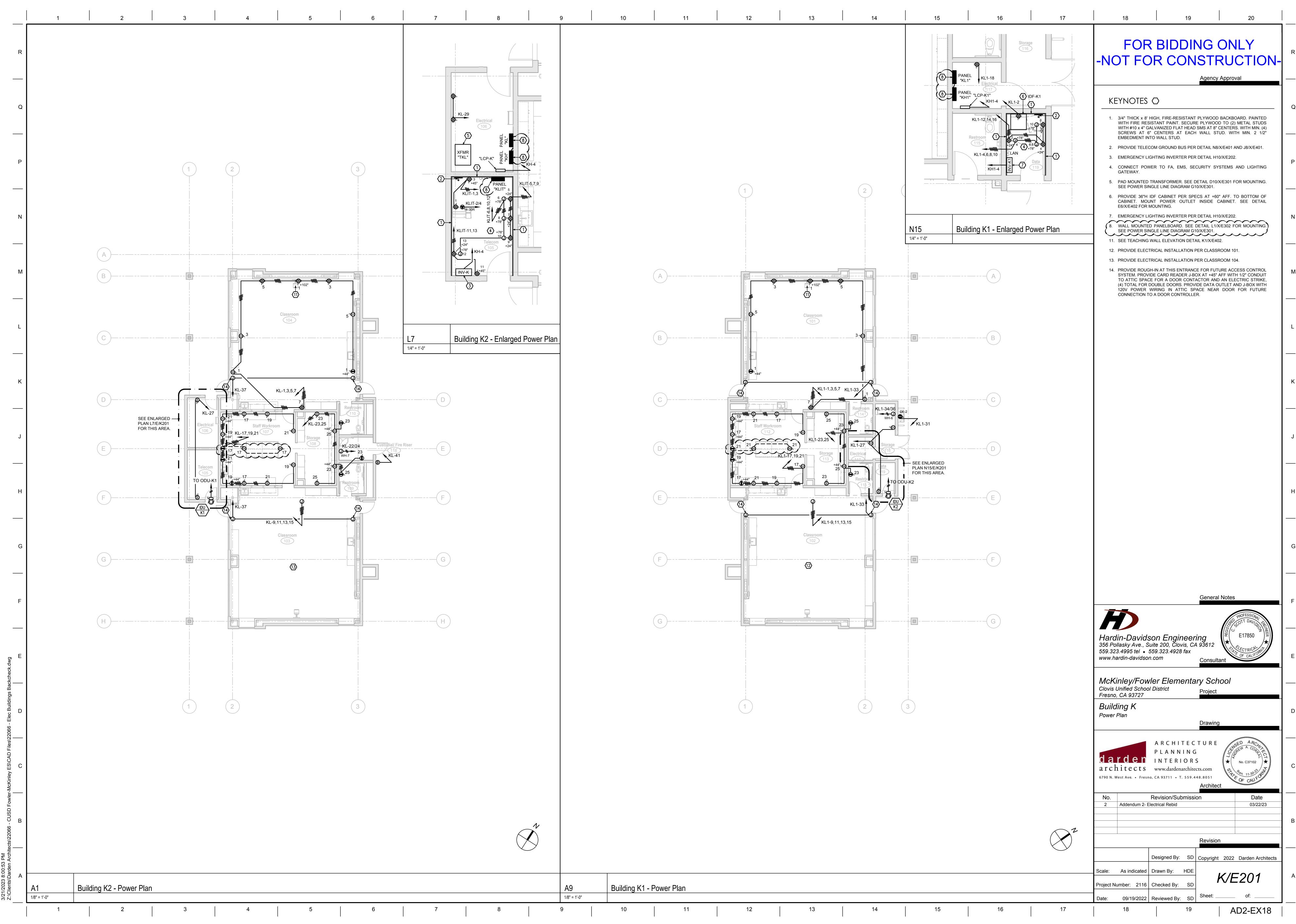


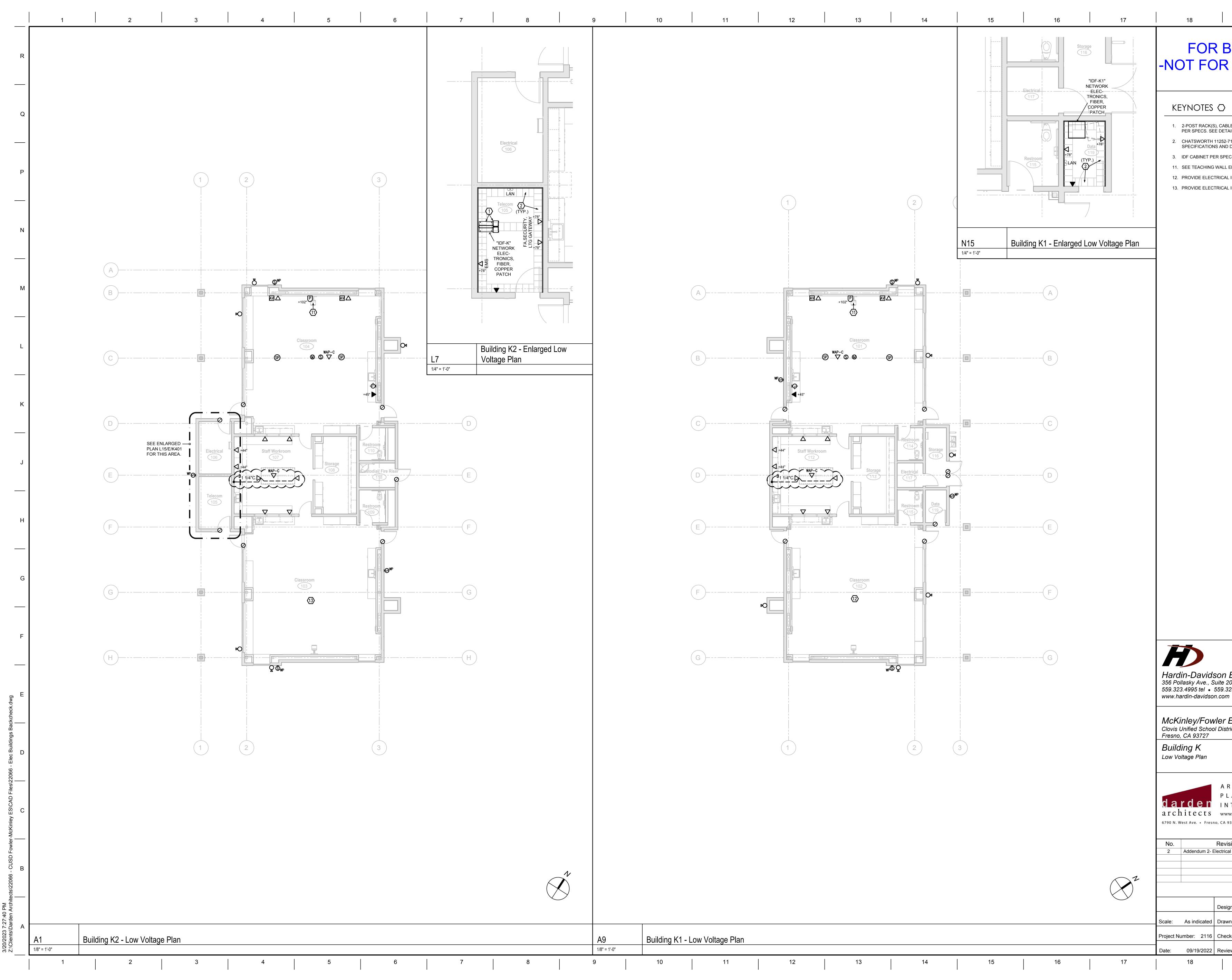
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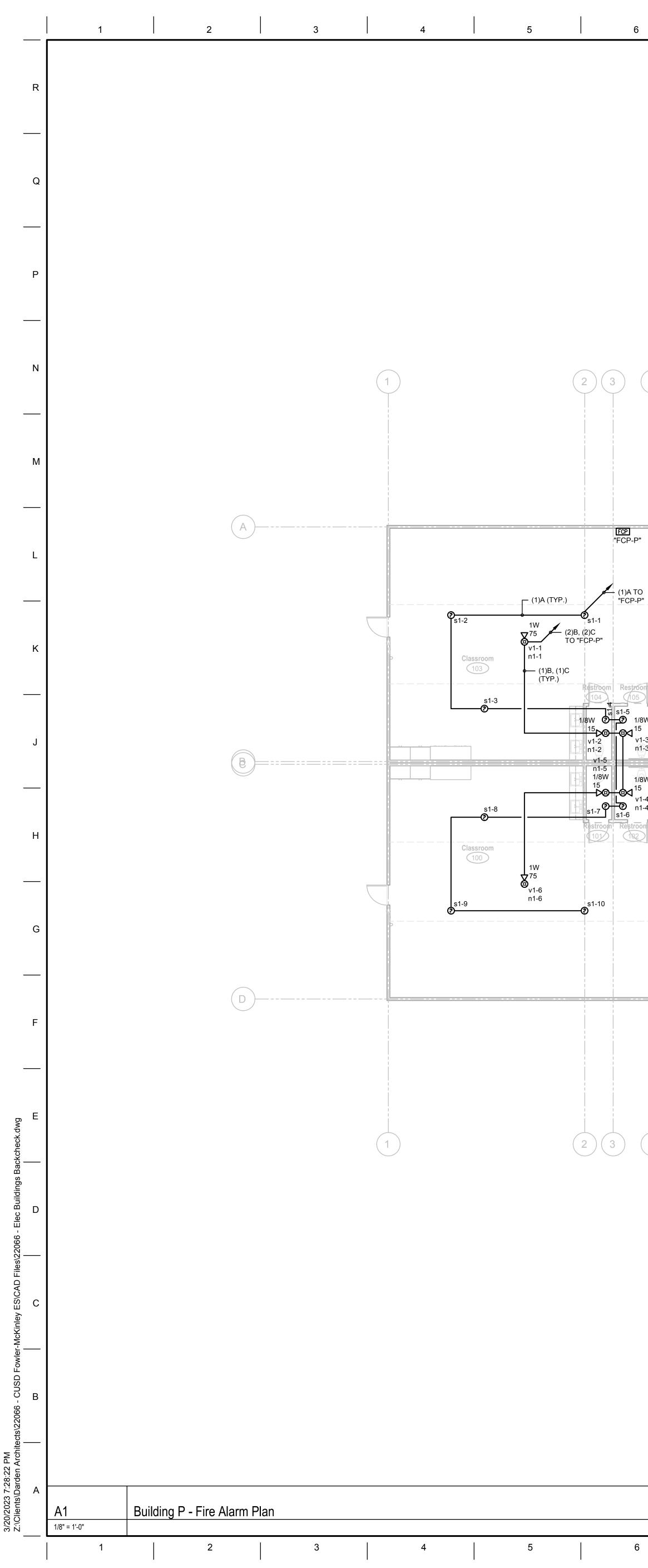
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NG INVERTER "INV-K". 90 MINUTES RUNTIME. HEN POWER FAILS, EMERGENCY LIGHTS 'ITCH ON. SEE DETAIL H10/X/E202 FOR MOUNTING	Q 3.
CTRICAL PLAN L7/K/E201 FOR CIRCUIT. PANEL "LCP-K". NC8NLT-4FCR-MVOLT-1VB-HLK-SM-DTC. CTRICAL PLAN L7/K/E201 FOR CIRCUIT. NCE SWITCH IN ATTIC SPACE FOR LIGHTS. NG INVERTER "INV-K1". 90 MINUTES RUNTIME. HEN POWER FAILS, EMERGENCY LIGHTS (ITCH ON. SEE DETAIL H10/X/E202 FOR MOUNTING)	P
NN15/K/E201 FOR CIRCUIT. PANEL "LCP-K1". LITHONIA FCR-MVOLT-1VB-HLK-SM-DTC. SEE ENLARGED 15/K/E201 FOR CIRCUIT.	з. N
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											 ASSEMBLE PORTABLE SYSTEMS SEPARATED F IDF CABINET PER DE OUTLET AT INTERIOR A BUILDING PANELBOARD
4							$\begin{array}{c} 2 \\ 3 \\ \end{array}$	4			 FIRE ALARM CONTROL 1-POLE CIRCUIT BREA BUILDING PANELBOARE DETAIL M10/X/E403 FOR PROVIDE INDICATED J/ AND CONNECT TO IDF. PROVIDE INDICATED J.
											 PROVIDE INDICATED J PER DETAIL G13/X/E401 8. PROVIDE INDICATED JA 6 FT. EXTRA CABLE WIT 9. PROVIDE WALL MOUN PRE-INSTALL BOX BY BL
P-P" NEMR 3R BLDG.	A			(A)		₩Δ₩ +102"		Ź」 ∅ — <i>_</i> ∕	A		 PROVIDE ELECTRICAL II PROVIDE INDICATED PROJECTOR SYSTEM K1/X/E402. INSTALL PRO HOMERUN TO 120V PANELBOARD.
SIGNAL T.C.					<€						 WEATHERPROOF GFI OF HOMERUN TO PEDEST ELECTRICAL PLAN A1/S DIAGRAM G10/X/E301. 2"C. FIBER, 2"C. SIGNAL CABINET. SEE SITE E
					⊘ ⊲€		$\nabla = 8$ W_{WAP-C} $\nabla = 0$				16. SPRINKLER RISER BELL IN BUILDING PANELBOA
05 1/8W (2)D TO "FCP-P" v1-3 n1-3						, € ↓	Restroor 104 105				
1/8W 1 ¹⁵ v1-4 n1-4						6	Restroor 101 102	e(4)	(B)		 ALL WORK SHALL BE PROVIDE COMPLETE DISCREPANCIES MUST F NOTIFY ENGINEER C INSTALLATIONS AS SHO CUSD REQUIRES CONC DEVICES IN WALLS. WH APPROVAL FROM DISC
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											Hardin-Davidson E 356 Pollasky Ave., Suite 20 559.323.4995 tel • 559.323
4							2 3	4			www.hardin-davidson.com McKinley/Fowler E Clovis Unified School Distric Fresno, CA 93727
											Building P Electrical Plan and Fire Alar
											A R P L A P L A I N T architects 6790 N. West Ave. • Fresno, CA 93
										κ./	No. Revision 2 Addendum 2- Electrical
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		A9 1/8" = 1'-0"	Building P - Ele	ectrical Plan							Scale: As indicated Drawn Project Number: 2116 Checker Date: 09/19/2022 Review
6	7 8	9	10	11	12	13	14	15	16	17	18

20 19 **BIDDING ONLY** R CONSTRUCTION-Agency Approval Q ING PANEL PRE-INSTALLED BY MANUFACTURER. AND GROUND PER DETAIL A15/X/E304 AND A10/X/E304. G MODULES TOGETHER PER DETAIL D15/X/E304. G SIGNAL TERMINAL CABINET. NEMA 3R HINGED AND SURE AT +66" TO TOP. INSTALL WIRE GUTTER AT H (2) 2"C. & (1) 1"C. EXTERIOR RISERS AND NIPPLES ATTIC, PAINT TO MATCH BUILDING. INSTALL PATCH TERMINATIONS AT INTERIOR. SEE DETAIL H14/X/403. ABLE BUILDING. RECONNECT POWER AND LIGHTING TED PRIOR TO TRANSPORT. R DETAIL M14/X/403 AND SPECIFICATIONS. INSTALL OR AND CONNECT TO DEDICATED 120V 20A CIRCUIT IN ARD. ITROL PANEL. CONNECT TO DEDICATED 120V 20A BREAKER WITH RED HANDLE LOCK-ON DEVICE IN OARD. CONNECT FA. SEE FIRE ALARM SHEETS. SEE 3 FOR MOUNTING. ED JACKS AT PRE-INSTALLED BOX BY BLDG. MFG'R IDF ED JACKS FOR WIRELESS ACCESS POINT. INSTALL 401. JACKS FOR FUTURE CEILING PROJECTOR. COIL UP E WITH JACK ATTACHED AND SECURE IN ATTIC SPACE. MOUNTED VOICE JACK FOR VOIP HANDSET AT BY BLDG. MFG'R, ADJACENT TO DOOR. CAL IMPROVEMENTS AS SHOWN. TED JACKS AND DEVICES FOR WALL MOUNTED STEM SEE TEACHING WALL ELEVATION DETAIL PROJECTOR MOUNT PER DETAIL E1/X/E402. 20V 20A 1-POLE CIRCUIT BREAKER IN BUILDING GFI OUTLET PRE-INSTALLED BY MANUFACTURER. EDESTAL MOUNTED PANELBOARD "RNL". SEE SITE A1/SD/E201 (INCREMENT 1) AND POWER SINGLE LINE GNAL, AND 1"C FA TO PEDESTAL MOUNTED TERMINAL E ELECTRICAL PLAN A1/SD/E201 (INCREMENT 1). AND CONNECTION PER SITE CABLE LINE DIAGRAMS 11/X/E402. CONNECT FA PER FIRE ALARM SHEETS. R BELL. CONNECT TO DEDICATED FIRE ALARM CIRCUIT ELBOARD.

DTES

L BE IN ACCORDANCE WITH CUSD SPECIFICATIONS. IPLETE AND OPERATIONAL SYSTEMS. ANY MUST BE ADDRESSED BY RFI PRIOR TO BID. ER OF ANY CONDITIONS THAT MAY PREVENT S SHOWN IN THIS DRAWING.

CONCEALED RACEWAYS AND FLUSH INSTALLATION OF 3. WHERE THIS IS PARTICULARY DIFFICULT, AND WITH DISTRICT, THE CONTRACTOR MAY BE SURFACE

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General Notes	F							
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¹⁹ AD2-EX20								