GENERAL NOTES:

- 1. THE ELECTRICAL CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE DRAWINGS OF ALL OTHER TRADES ON THE PROJECT. ELECTRICAL OR SYSTEMS CONNECTIONS INDICATED ON ARCHITECTURAL, MECHANICAL, CIVIL, STRUCTURAL, KITCHEN AND ALL OTHER DRAWINGS WHICH ARE PART OF THIS PROJECT, SHALL BE CONSIDERED A PART OF THIS CONTRACT AND SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR AT NO EXTRA COST TO THE OWNER.
- 2. THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE AND AS SUCH SHALL NOT BE SCALED. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DEVICES AND EQUIPMENT AND DIMENSIONAL INFORMATION PRIOR TO ROUGH-IN. COORDINATE LOCATIONS OF MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN OF SERVICE EQUIPMENT AND WIRING.
- 3. COORDINATE MOUNTING HEIGHTS OF ALL DEVICES WITH ARCHITECTURAL PLANS, SECTIONS, ELEVATIONS AND CASEWORK DRAWINGS.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT ROUTING OF WIRING AND CONDUITS AND SHALL BE RESPONSIBLE FOR SIZING ALL BRANCH CIRCUIT WIRING TO LIMIT VOLTAGE DROP TO 3%. CONTRACTOR SHALL SIZE CONDUIT TO ACCOMMODATE WIRING PER NEC. 20 AMPERE CIRCUITS SHALL BE SIZED AS FOLLOWS:

	20	AMPERE CIRCUI	TS	
120 VOL	.Т	277 VOL	Т	MINIMUM
WIRING LENGTH	WIRE SIZE	WIRING LENGTH	WIRE SIZE	CONDUIT SIZE
0' – 60'	#12	0' - 130'	#12	3/4"
60' – 100'	#10	130' – 210'	# 10	3/4"
100' – 150'	#8	210' - 340'	#8	3/4"
150' – 240'	#6	340' - 540'	#6	3/4"
OVER 240'	#4	OVER 540'	#4	1"
NOTES:				

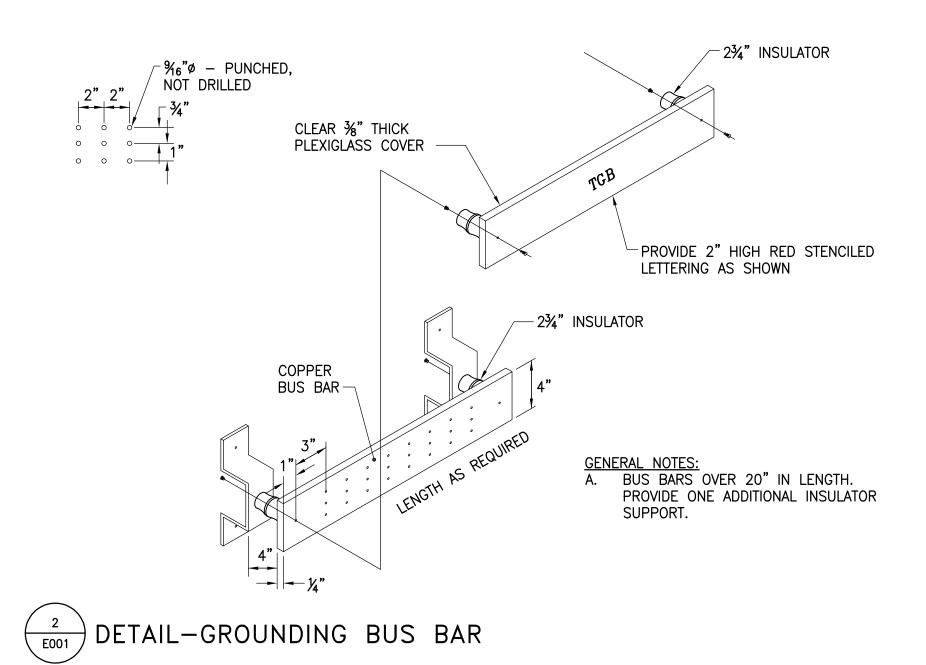
BRANCH CIRCUITS IN PANELBOARDS WITH 200% RATED NEUTRAL BUS AND ALL DIMMED LIGHTING CIRCUITS & ECM MOTORS SHALL HAVE DEDICATED NEUTRAL CONDUCTORS.

WIRING AND CONDUIT SIZES INDICATED IN PANEL SCHEDULES ARE MINIMUM ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT WIRING AND CONDUIT SIZES. CONTRACTOR SHALL PROVIDE SPLICE BLOCKS AND REDUCING PINS AS REQUIRED TO TERMINATE WIRING AND MAKE FINAL CONNECTIONS.

- 5. ELECTRICAL BOXES IN FIRE RATED PARTITIONS SHALL NOT EXCEED 16 SQUARE INCHES IN AREA (IF 4"x4"), SHALL BE MADE OF STEEL, AND SHALL BE SUCH THAT THE CUMULATIVE AREA OF BOX "CUTOUTS" IN THE FIREWALL DOES NOT EXCEED 100 SQUARE INCHES PER 100 SQUARE FEET OF WALL AREA. ELECTRICAL BOXES ON OPPOSITE SIDES OF THE SAME FIREWALL SHALL BE SEPARATED BY A HORIZONTAL AND VERTICAL DISTANCE OF NOT LESS THAN 24 INCHES. THE ELECTRICAL CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS, AS NECESSARY, TO ELECTRICAL BOX LOCATIONS TO ENSURE COMPLIANCE WITH THIS REQUIREMENT SINCE BOX LOCATIONS ARE TYPICALLY NOT DIMENSIONED ON THE DRAWINGS. CONSULT ARCHITECT IF CLARIFICATION IS REQUIRED.
- 6. NEW WALLS ARE SHADED ON THE FLOOR PLANS, EXISTING WALLS ARE NOT SHADED. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING MOUNTING OF DEVICES WITH WALL TYPE.

DEMOLITION NOTES:

- 1. DEMOLITION DRAWINGS ARE DIAGRAMMATIC IN NATURE; NO ATTEMPT HAS BEEN MADE TO SHOW ALL EXISTING ELECTRICAL WORK IN AREAS INDICATED TO BE RENOVATED. ALL EXISTING ELECTRICAL WORK IS TO REMOVED UNLESS OTHERWISE NOTED. WHEN AN ITEM TO BE REMOVED, REMOVE ALL ASSOCIATED ELECTRICAL WORK BACK TO POINT-OF-SOURCE.
- 2. WHERE WORK PASSES THROUGH THE RENOVATION AREA TO SERVE OTHER PORTIONS OF THE BUILDING, OR WORK IN THE RENOVATION AREA INDICATED TO BE REMAIN, IT SHALL BE SUITABLY RELOCATED AND THE SYSTEMS RESTORED TO NORMAL COORDINATE ANY OUTAGES WITH OWNER 7 DAYS IN ADVANCE.
- 3. WORK INDICATED TO REMAIN SHALL BE SUITABLY PROTECTED AGAINST DAMAGE.
- 4. TURN OVER ALL CIRCUIT BREAKERS, LIGHTING AND APPLIANCE PANELBOARD COVERS, CONTACTORS, MOTOR STARTERS, TIME CLOCKS, BATTERY PACKS, CLOCKS, SPEAKERS, ETC THAT ARE IN GOOD CONDITION TO OWNER. CONTACT OWNER FOR VERIFICATION IF ITEMS ARE IN QUESTIONABLE CONDITION.
- 5. COORDINATE ALL DEMOLITION AND CONSTRUCTION ACTIVITIES WITH THE OWNER TO MINIMIZE DISRUPTION OF THE NORMAL DAILY FUNCTIONING OF THE OWNERS OCCUPIED AREAS.
- 6. REMOVE AND REINSTALL ALL EXISTING CEILING MOUNTED DEVICES INDICATED TO REMAIN AS REQUIRED TO SUIT NEW CEILING INSTALLATION.
- 7. ALL REMOVED DEVICE WALL PENETRATIONS SHALL BE PATCHED AND PAINTED TO MATCH EXISTING WALL COLOR OR WALL COLOR PER ARCHITECT'S DIRECTION.



ELECTRICAL LEGEND: (MOUNTING HEIGHTS ARE TO CENTERLINE OF DEVICE UON)

<u>CONDUIT</u> HOMERUN TO PANELBOARD; REFER TO PANEL SCHEDULES FOR MINIMUM WIRE AND CONDUIT SIZES BRANCH CIRCUIT CONDUIT AND WIRING CONCEALED IN CEILING OR WALL SPACE, OR SURFACE MOUNTED WHERE NO CEILING OR WALL SPACE EXISTS; REFER TO PANEL SCHEDULES FOR MINIMUM WIRE AND CONDUIT SIZES BRANCH CIRCUIT CONDUIT AND WIRING IN SLAB, UNDER FLOOR OR UNDERGROUND; REFER TO PANEL SCHEDULES FOR MINIMUM WIRE AND CONDUIT SIZES <u>POWER</u> 36" 36" DISTRIBUTION PANELBOARD, SURFACE MOUNTED AT 6'-6" AFF TO TOP OF PANEL. PANELBOARD; RECESSED, SURFACE MOUNTED; MOUNT AT 6'-6" 36" 36" AFF TO TOP OF PANEL. PANELBOARD; RECESSED, SURFACE MOUNTED; MOUNT AT 5-6" 36" 36" AFF TO TOP OF PANEL. PANELBOARD; RECESSED, SURFACE MOUNTED; MOUNT AT 5-6" AFF TO TOP OF PANEL. S™ SINGLE POLE MANUAL MOTOR STARTING SWITCH WITH HOA SWITCH; MOUNT AT 48" AFF IN NEMA 1 ENCLOSURE UON \mathcal{N} MOTOR; AS NOTED ß UNIT HEATER SAFETY DISCONNECT SWITCH; FUSED, NONFUSED IN NEMA 1 Ш ENCLOSURE UON; MOUNT AT 48" AFF UON; RATING AND FUSING AS NOTED ENCLOSED CIRCUIT BREAKER IN NEMA 1 ENCLOSURE UON; MOUNT Ч AT 5'-6" TO TOP AFF UON; SIZE AS NOTED COMBINATION TYPE MOTOR STARTER; FVNR WITH CONTROL XFMR, RED AND GREEN INDICATING LIGHTS, HOA SELECTOR SWITCH AND CIRCUIT BREAKER DISCONNECT SWITCH IN NEMA 1 ENCLOSURE UON; MOUNT AT 5'-6" TO TOP AFF UON **U I UNCTION BOX; CEILING, WALL MOUNTED** TO GROUND EPO PUSHBUTTON, UON; MOUNT 48" AFF AS INDICATED M ELECTRICAL METER SPD SURGE PROTECTION DEVICE VSD VARIABLE FREQUENCY DRIVE FURNISHED UNDER DIVISION 15, INSTALLED UNDER DIVISION 16 T TRANSFORMER

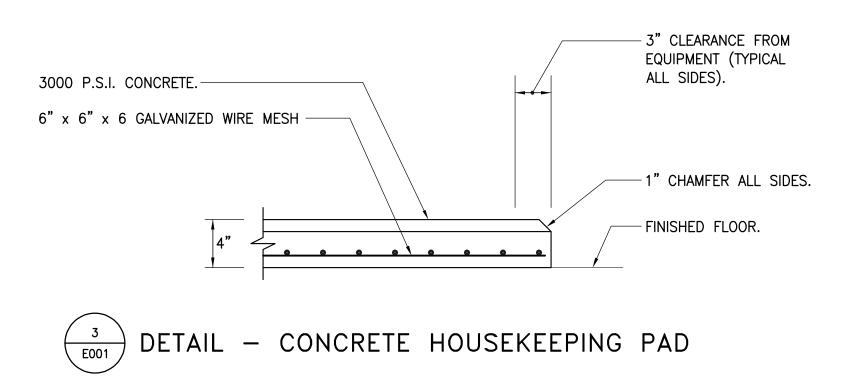
MISCELLANEOUS

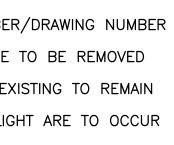
#/	(1 ′E#.) #
	0	
	0	
	0	

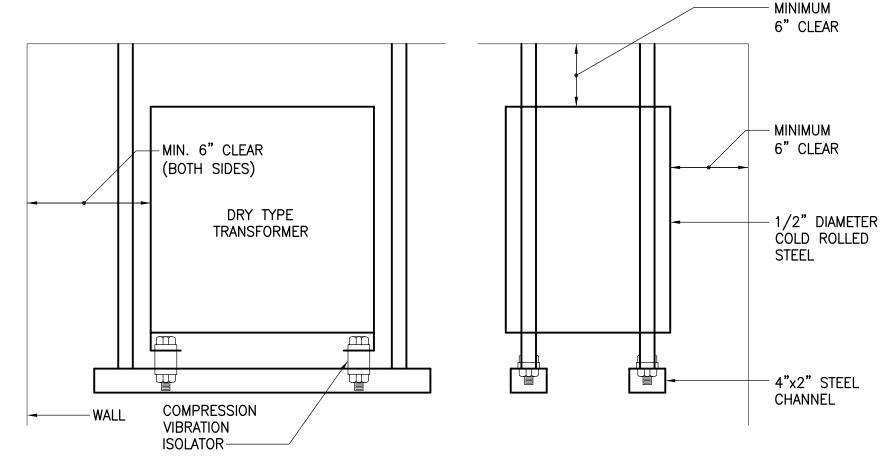
REFERENCE TO DRAWING NOTE DETAIL REFERENCE: DETAIL NUMBER/DRAWING NUMBER ITEMS SHOWN DASHED/HEAVY ARE TO BE REMOVED ITEMS SHOWN SOLID/LIGHT ARE EXISTING TO REMAIN ITEMS SHOWN DASHED-DOTTED/LIGHT ARE TO OCCUR IN FUTURE PHASES

ABBREVIATIONS:

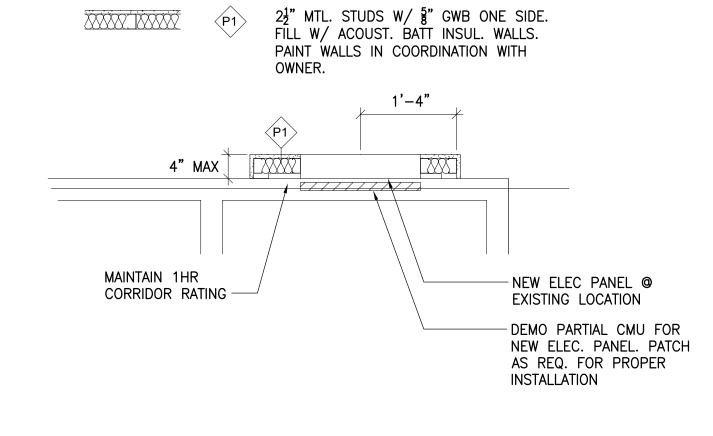
A FFUC SGUE END E	CONDUIT CIRCUIT BREAKER DRAWING ENCLOSED CIRCUIT BREAKER EXHAUST FAN EMERGENCY POWER OFF EXISTING TO REMAIN ELECTRIC WATER COOLER EXISTING FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM CONTROL PANEL FULL LOAD AMPERES FUSED SAFETY SWITCH GROUND FAULT EQUIPMENT PROTECTION GROUND FAULT EQUIPMENT HOT WATER HEATER GENERATOR INTERMEDIATE DISTRIBUTION FRAME INTERMEDIATE METAL CONDUIT THOUSAND CIRCULAR MILS KILOVOLT-AMPERES MINIMUM CIRCUIT AMPERES MAIN CIRCUIT BREAKER MAIN DISTRIBUTION FRAME MAIN LUGS ONLY MAIN POINT OF PRESENCE MAIN SWITCHBOARD MOUNTED MOUNTED MOUNTED MOUNTED MOUNTING HEIGHT/MANHOLE NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION NONFUSED SAFETY SWITCH NUMBER ON CENTERS POLE, POLES PHASE PANEL POLYVINYL CHLORIDE RETURN AIR FAN RIGID GALVANIZED STEEL REMOVE EXISTING TYPICAL TRANSIENT VOLTAGE SURGE SUPPRESSOR
RGS RX TYP	RIGID GALVANIZED STEEL REMOVE EXISTING TYPICAL TRANSIENT VOLTAGE SURGE SUPPRESSOR UNIT HEATER VOLT, VOLTS VANDALL RESISTANT WEATHERPROOF WATTS, WIRE, WIRES TRANSFORMER TELEPHONE TERMINAL BOARD
UON	UNLESS OTHERWISE NOTED



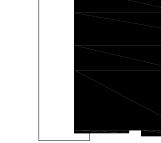


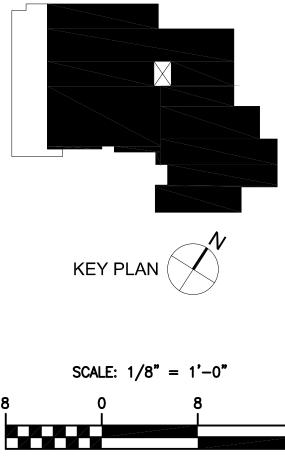






 $\begin{pmatrix} 4 \\ E001 \end{pmatrix}$ DETAIL – ELECTRICAL PANEL CHASE





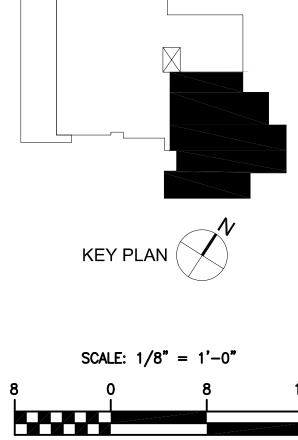
	DESIG	E ELECTRICAL LEGEND. CONVENTIONS.		"PROFESSIONAL CERTIFICATION. I		"THIS DRAWING AND THE DESIGN			REVISIONS
	NER			HEREBY CERTIFY THAT THESE DOCUMENTS WERF PREPARED OR		AND CONSIRUCIION FEAIURES DISCIOSED ARE PROPRIFIARY TO	Z	NO. DATE	DESCRIPTION
BID		AND ADDREVIATIONS		APPROVED BY ME, AND THAT I AM	_ (ALBAN ENGINEERING, INC. AND			
SET 3-202	B	S	303 INTERNATIONAL CIRCLE,	A UULT LICENSEU PROFESSIONAL ENGINEER UNDER THE LAWS OF		N WHOLE OR IN PART WITHOUT			
-	SF		SUITE 450 HUNT VALLEY, MD 21030	THE STATE OF MARYLAND, LICENSE No. 51986,		THE EXPRESS WRITTEN PERMISSION OF ALBAN ENGINEERING, INC.			
		JANUT JPRING, MU ZUDOU	www.albanengineering.com 410.842.6411	EXPIRATION DATE: 12–13–2023"	,	Copyright © 2022"			



e Federal Pacific)\09—Drawings\CAD Drawings\Elec\Sherwood Plans.dwg 04/07/2



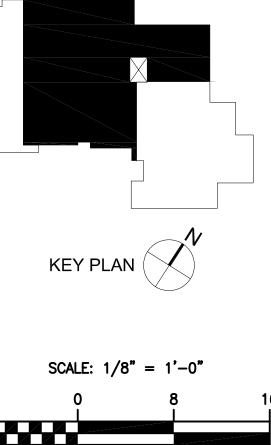


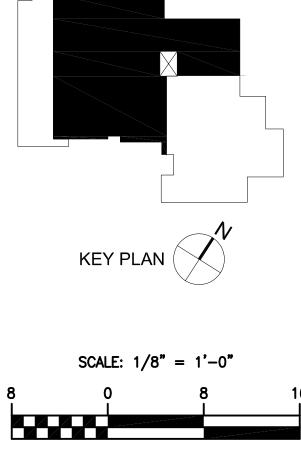


•	
SIZES, ANSFOR	LOCATIONS

PROJE MANAC DESIG	₹ FIRST FLOOR PLAN NORTH -		"PROFESSIONAL CERTIFICATION. I	"THIS DRAWING AND THE DESIGN		REVISIONS
GER NER	DEMOL		HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY MF AND THAT I AM	AND CONSTRUCTION FEATURES DISCLOSED ARE PROPRIETARY TO ALRAN FNGINFERING INC AND	NO. DATE	DESCRIPTION
	SHFRWOOL	ENGINEERING, INC 303 INTERNATIONAL CIRCLE,	A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF	SHALL NOT BE ALTERED OR REUSED IN WHOLE OR IN PART WITHOUT		
	SANDY SPRING, MD 20860	NITE 450 HUNT VALLEY, MD 21030 www.albanengineering.com 410.842.6411	THE STATE OF MARYLAND, LICENSE No. 51986, EXPIRATION DATE: 12–13–2023"	THE EXPRESS WRITTEN PERMISSION OF ALBAN ENGINEERING, INC. Copyright © 2022"		

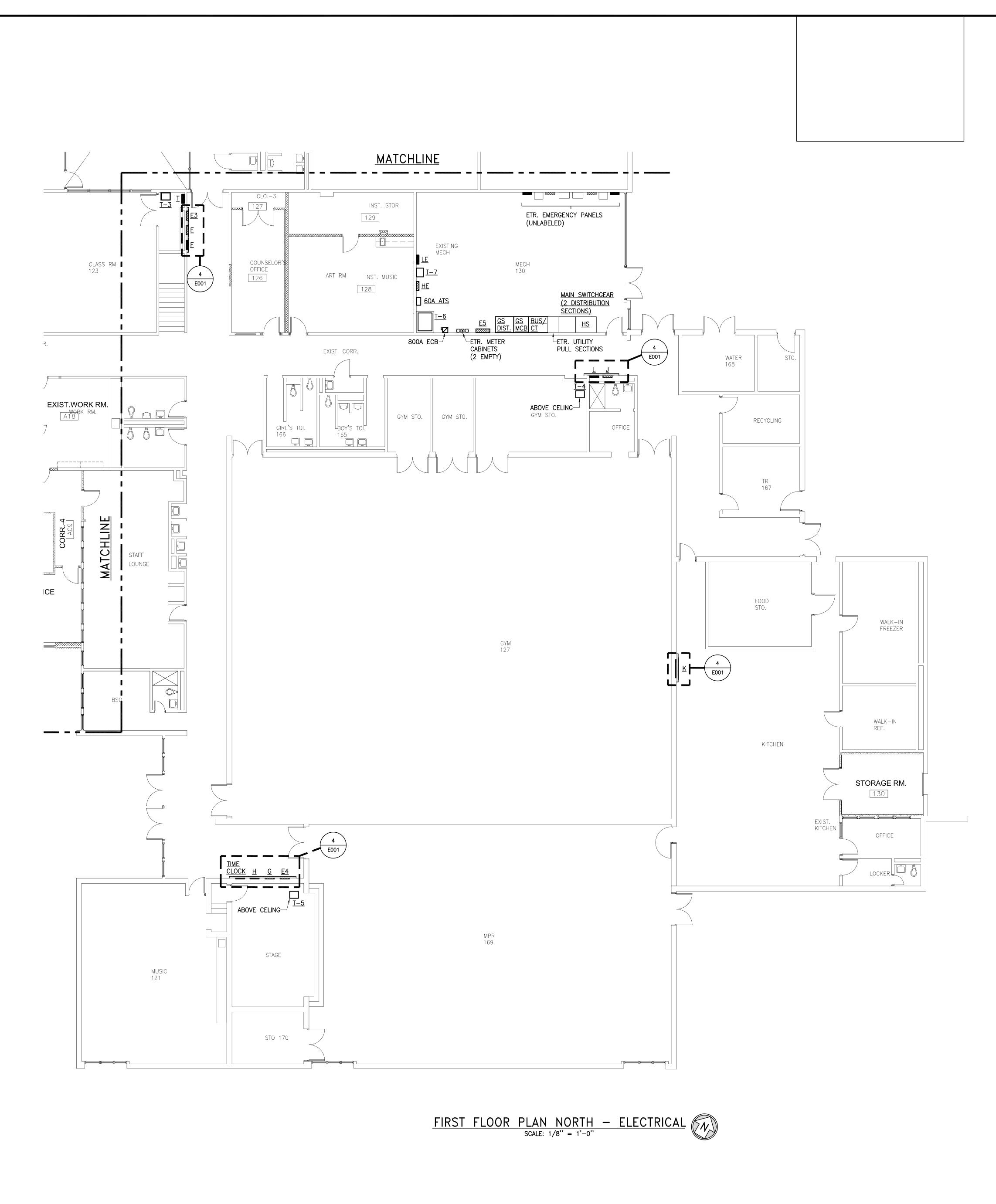






•	
SIZES, ANSFOR	LOCATIONS

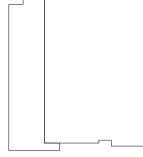
E	MANA	FIRST FLOOR PLAN SOUTH -		"PROFESSIONAL CERTIFICATION. I	"THIS DRAWING AND THE DESIGN	ESIGN		REVISIONS
				Hereby Cerlify ihal ihese docliments were prepared or	AND CONSTRUCTION FEATURES DISCLOSED ARE PROPRIFTARY TO	KES RY TO	NO. DATE	DESCRIPTION
BID				APPROVED BY ME, AND THAT I AM	ALBAN ENGINEERING, INC. AND	AND		
1 SET 3-202			303 INTERNATIONAL CIRCLE,	A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF	SHALL NOT BE ALTERED OR REU IN WHOLE OR IN PART WITHOUT	R REUSED HOUT		
	SF		SUITE 450 HUNT VALLEY, MD 21030	THE STATE OF MARYLAND, LICENSE No. 51986,	THE EXPRESS WRITTEN PERMISSION OF ALBAN ENGINEERING, INC.	RMISSION C.		
2		DAINUT DERING, MU ZUODU	www.albanengineering.com 410.842.6411	EXPIRATION DATE: 12–13–2023"	Copyright © 2022"			



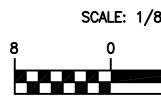
erwood ES Elec Upgrade (Replace Federal Pacific)\09—Drawings\CAD Drawings\Elec\Sherwood Plans.dwg 04/07/20

GENERAL NOTES:

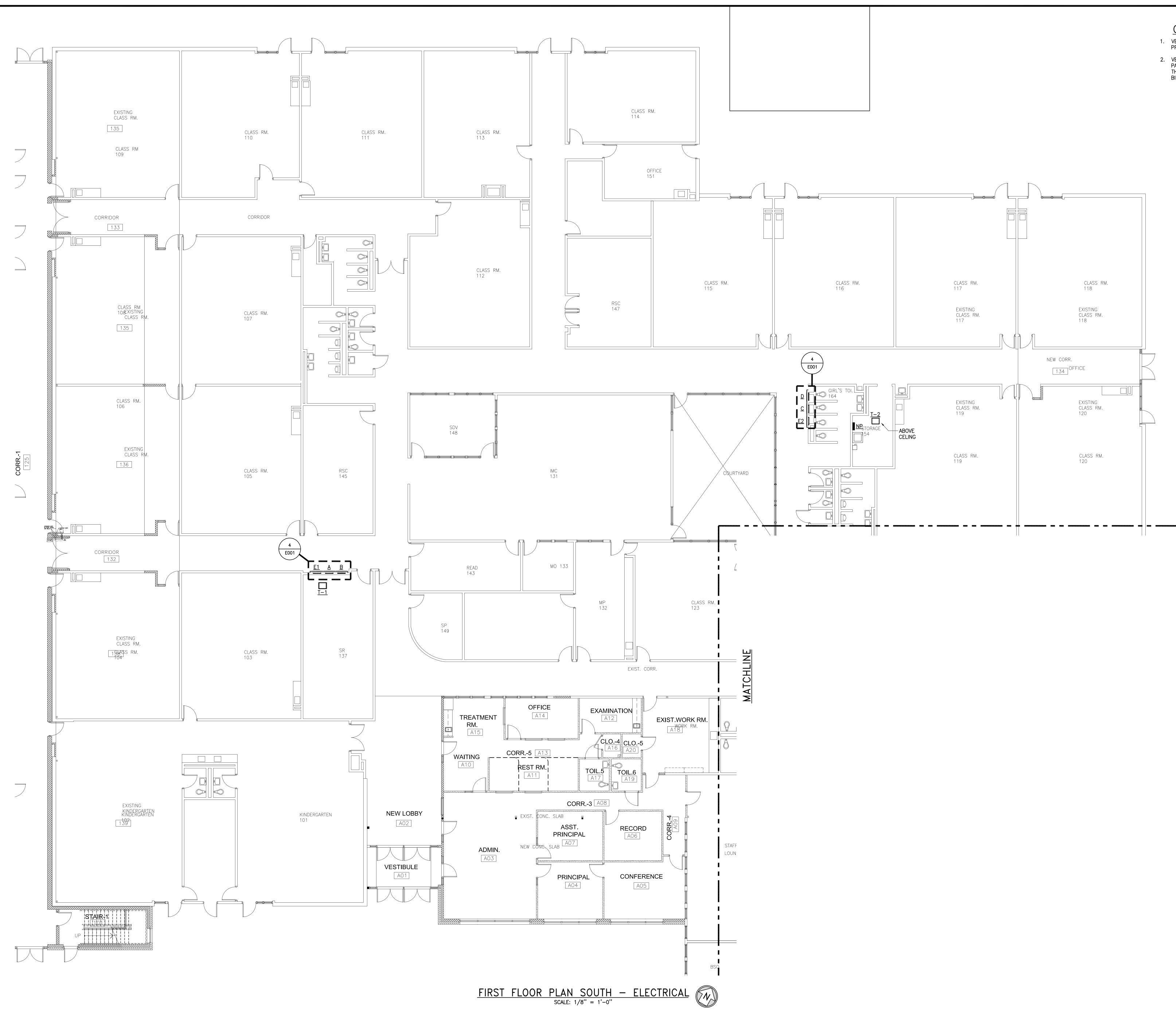
 VERIFY TRANSFORMER MOUNTING, S PRIOR TO PURCHASE OF NEW TRAN
VERIFY IF NEW PANEL WILL FIT IN PANEL CAN FIT IN EXISTING SPACE THE WALL, ELECTRICAL PANEL CHAS BID PRICING SHALL INCLUDE ALL IN



KEY PLAN



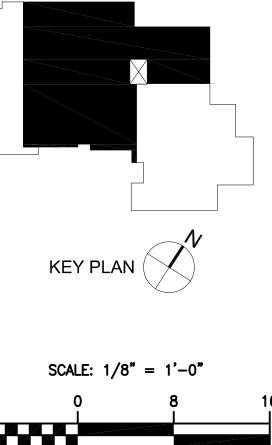
SIZES, AND LOCATIONS RANSFORMERS. IN EXISTING SPACE. IF NEW CE AND BE FLUSH WITH	REVISIONS DESCRIPTION
AND BE FLOSH WITH HASE IS NOT REQUIRED. INDICATED LOCATIONS.	. DATE
	Q
	"THIS DRAWING AND THE DESIGN AND CONSTRUCTION FEATURES DISCLOSED ARE PROPRIETARY TO ALBAN ENGINEERING, INC. AND SHALL NOT BE ALTERED OR REUSED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ALBAN ENGINEERING, INC. Copyright © 2022"
	A A A A
	"PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE No. 51986, EXPIRATION DATE: 12–13–2023"
	PULBAN ENGINERING 303 INTERNATIONAL CIRCLE, SUITE 450 HUNT VALLEY, MD 21030 www.albanengineering.com
	Image: Marking Lange First Floor Plan North - Image: Marking Lange Plan North - Image: Marking Lange Plan North - Image: Marking Lange Plan North - Image: Marking Lange Plan North - Image: Marking Lange Plan North - Image: Marking Lange Plan North - Image: Marking Lange Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan North - Image: Marking Plan N
/8" = 1'-0" 8 16	BSF E101 BID SET 04-08-2022

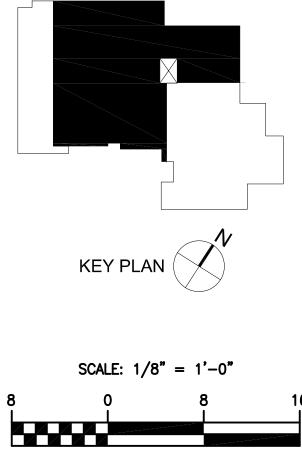


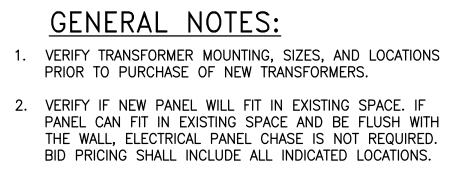
erwood ES Elec Upgrade (Replace Federal Pacific)\09—Drawings\CAD Drawings\Elec\Sherwood Plans.dwg 04/07/2022

GENERAL NOTES:

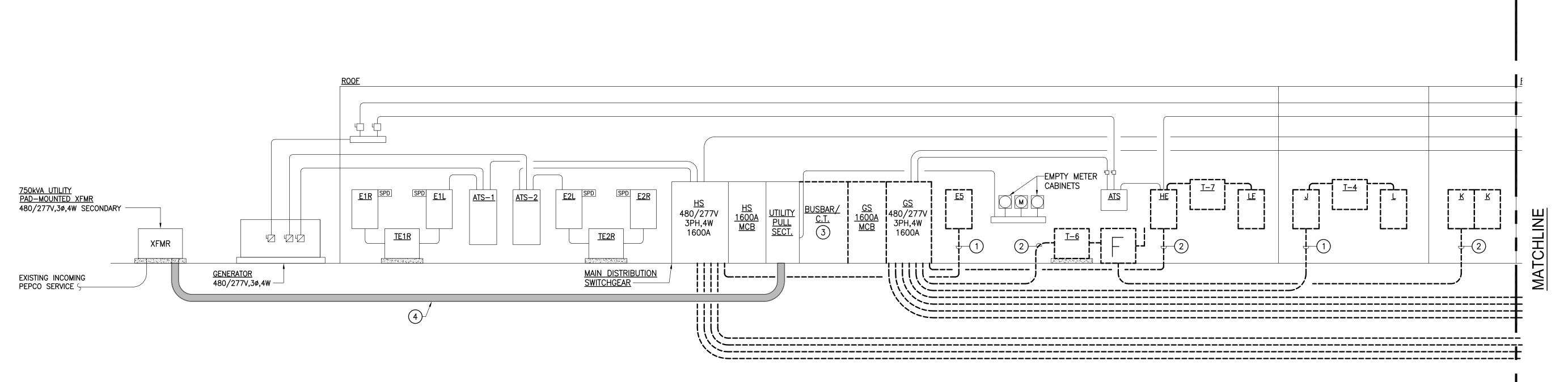
2. VERIFY IF NEW PANEL WILL FIT IN EXISTING SPACE. IF PANEL CAN FIT IN EXISTING SPACE AND BE FLUSH WITH THE WALL, ELECTRICAL PANEL CHASE IS NOT REQUIRED. BID PRICING SHALL INCLUDE ALL INDICATED LOCATIONS.

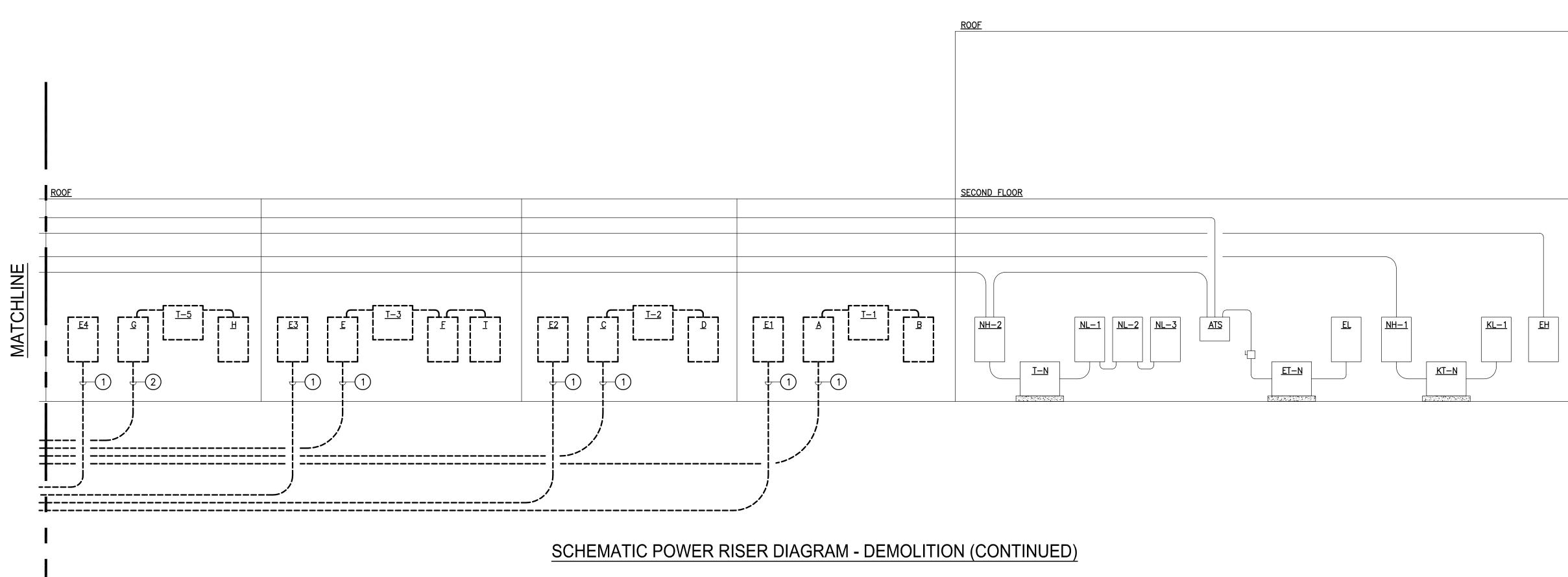






	DESIG	SZ Z FIRST FLOOR PLAN SOUTH -		"PROFESSIONAL CERTIFICATION. I	"THIS DRAWING AND THE DESIGN		REVISIONS
				HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR	AND CONSIRUCTION FEATURES DISCLOSED ARE PROPRIETARY TO	NO. DATE	E DESCRIPTION
BID				APPROVED BY ME, AND THAT I AM	ALBAN ENGINEERING, INC. AND		
Ŭ			303 INTERNATIONAL CIRCLE,	A DULT LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF	IN WHOLE OR IN PART WITHOUT		
2	SF		HUNT VALLEY, MD	THE STATE OF MARYLAND, LICENSE No. 51986,	THE EXPRESS WRITTEN PERMISSION OF ALBAN ENGINEERING, INC.		
		JAINUT JERIING, MIU ZUODU	www.albanengineering.com 410.842.6411	EXPIRATION DATE: 12–13–2023"	Copyright © 2022"		





SCHEMATIC POWER RISER DIAGRAM - DEMOLITION

22/22021 - Sherwood ES Elec Upgrade (Replace Federal Pacific)/09-Drawings/CAD Drawings/Elec/Sherwood ES - E-500 - Schematic Power Riser Diagram.dwg 04/07/2022 4:03:29 PM

GENERAL NOTES:

TRANSFORMER SCHEDULE.

AT THE MAIN SERVICE.

- 1. REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION. 2. PROVIDE TRANSFORMER PRIMARY DISCONNECTS, WHERE INDICATED, SIZED TO MATCH (OR EXCEED) THE RATING OF THE PRIMARY CB INDICATED ON THE DRY TYPE
- 3. CONTRACTOR SHALL REDUCE FEEDER SIZE (IF REQUIRED) WITHIN 5'-O OF EQUIPMENT TO ACCOMMODATE LUG SIZES.
- 4. PROVIDE PLACARD POSTING THE AVAILABLE FAULT CURRENT
- 5. PROVIDE POWER RISER DIAGRAM, LAMINATED AND FRAMED 30" x 42" ON MYLAR AND COORDINATE LOCATION WITH OWNER IN MAIN ELECTRICAL ROOM.
- 6. ALL PANELBOARDS WITH 84–POLES OR LESS SHALL BE IN A SINGLE INTERIOR BACKBOX.

DRAWING NOTES:

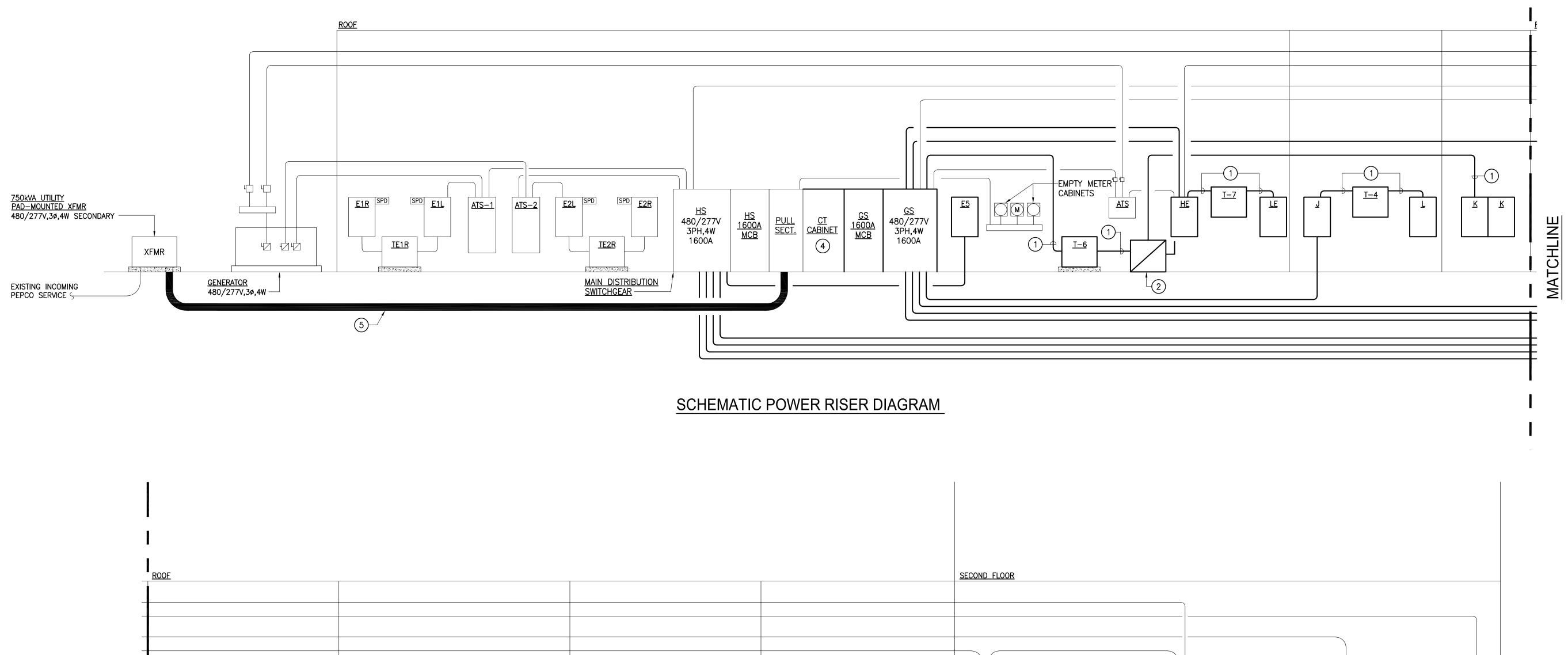
REUSE. (2) REMOVE FEEDERS AND CAP CONDUIT.

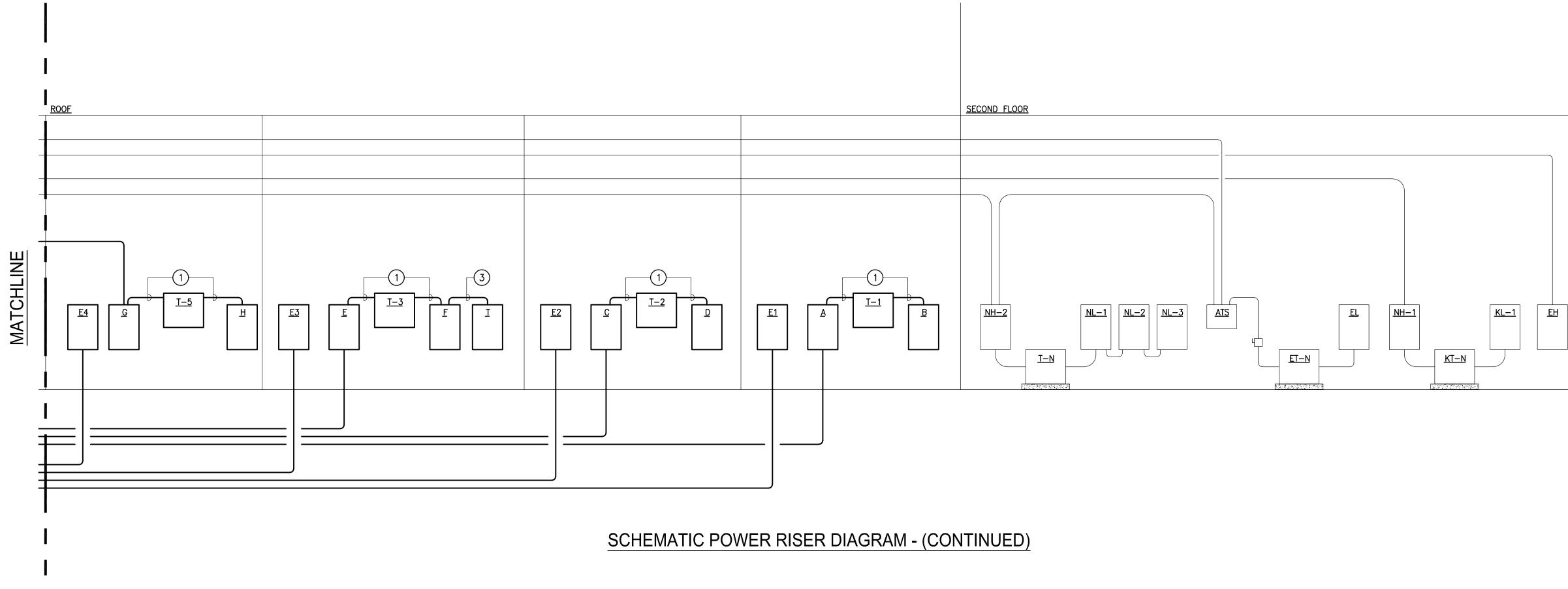
(1) REMOVE FEEDERS AND MAINTAIN

- 3 COORDINATE CT REMOVAL WITH UTILITY. MAINTAIN CONDUIT AND CABLING OF UTILITY METER FOR RECONNECTION.
- SECONDARY FEEDERS TO BE REMOVED BY UTILITY COMPANY. COORDINATE BUILDING SHUTDOWN WITH (4) OWNER AND UTILITY COMPANY (PEPCO).

CONDUIT	FOR
CONDON	1.01

-	DESIG	SCHEMATIC POWER RISER DIAGRAM -		"PROFESSIONAL CERTIFICATION. I	"THIS DRAWING AND THE DESIGN		REVISIONS	
	GER			HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR	AND CONSIRUCIION FEAIURES DISCLOSED ARE PROPRIETARY TO	NO.	DATE DESCRIPTION	TION
BID				APPROVED BY ME, AND THAT I AM	ALBAN ENGINEERING, INC. AND			
0 SET -202			303 INTERNATIONAL CIRCLE,	A DULT LICENSED FROFESSIONAL ENGINEER UNDER THE LAWS OF	IN WHOLE OR IN PART WITHOUT			
0	SF		LEY, MD	THE STATE OF MARYLAND, LICENSE No. 51986,	THE EXPRESS WRITTEN PERMISSION OF ALBAN ENGINEERING, INC.			
		JANUT JERING, MU 2000U	www.albanengineering.com 410.842.6411	EXPIRATION DATE: 12–13–2023"	Copyright © 2022"			





	ΙΤΡΙ											
XFMR	KVA	PRIM	ARY	,	PRIMARY WIRING	SECONDARY WIRING	SECO	NDA	RY	NEUTRAL/CASE	REMARKS	MOUNTING DISCRIPTION
	NVA	VOLTAGE	ø	СВ	FRIMART WIRING	SECONDART WIRING	VOLTAGE	ø	СВ	GND	REWIARRS	
T-1	30	480	3	50	3#4+#10GW-1"C	4#1+#8GW-1 1/2"C	208/120	3	100	#6		FLOOR
T-2	45	480	3	90	3#2+#8GW-1 1/4"C	4#3/0+#6GW-2"C	208/120	3	200	#6		SUSPENDED
Т-3	75	480	3	125	3#1/0+#6GW-2"C	4#350KCMIL+#4GW-2 1/2"C	208/120	3	300	#2		SUSPENDED
T-4	15	480	3	30	3#10+#10GW-3/4"C	4#4+#10GW-1 1/4"C	208/120	3	60	#8		SUSPENDED
T-5	25	480	3	50	3#4+#10GW-1"C	4#1+#8GW-1 1/2"C	208/120	3	100	#6		SUSPENDED
T-6	225	480	3	350	2 SETS(3#3/0+#3GW-2"C)	3 SETS (4-300KCMIL+#1/0GW-2 1/2"C)	208/120	3	800	#2/0		FLOOR
T-7	15	480	3	30	3#10+#10GW-3/4"C	4#4+#10GW-1 1/4"C	208/120	3	50	#8		SUSPENDED

-1,2022/22021 - Sherwood ES Elec Upgrade (Replace Federal Pacific)/09-Drawings/CAD Drawings/Elec/Sherwood ES - E-500 - Schematic Power Riser Diagram.dwg 04/07/2022 4:03:04 PM bfam

SCHEMATIC POWER RISER DIAGRAM - ((CONTINUED)

GENERAL NOTES:

- 1. REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION. 2. PROVIDE TRANSFORMER PRIMARY DISCONNECTS, WHERE INDICATED, SIZED TO MATCH (OR EXCEED) THE RATING OF THE PRIMARY CB INDICATED ON THE DRY TYPE TRANSFORMER SCHEDULE.
- 3. PROVIDE TRANSFORMER SECONDARY ENCLOSED CIRCUIT BREAKERS, WHERE INDICATED, SIZED TO MATCH (OR EXCEED) THE RATING OF THE PRIMARY CB INDICATED ON THE DRY TYPE TRANSFORMER SCHEDULE.
- 4. CONTRACTOR SHALL REDUCE FEEDER SIZE (IF REQUIRED) WITHIN 5'-0 OF EQUIPMENT TO ACCOMMODATE LUG SIZÉS.
- 5. PROVIDE PLACARD POSTING THE AVAILABLE FAULT CURRENT AT THE MAIN SERVICE.
- PROVIDE POWER RISER DIAGRAM, LAMINATED AND FRAMED 30" x 42" ON MYLAR AND COORDINATE LOCATION WITH OWNER IN MAIN ELECTRICAL ROOM.
- 7. ALL PANELBOARDS WITH 84–POLES OR LESS SHALL BE IN A SINGLE INTERIOR BACKBOX.
- 8. PROVIDE PLACARD AT EACH NEW TRANSFORMER INDICATING WHERE IT IS FED FROM. BREAKER SERVING TRANSFORMERS SHALL BE LOCKABLE.



- WIRE SIZES. (2) 800A, 3ø, 4W ENCLOSED C
- (3) (4)#1 + #8GW 1¹/₂"C.
- (4) COORDINATE REINSTALLATION UTILITY COMPANY.
- 5 NEW SECONDARY FEEDERS T EXISTING CONDUIT BY UTILITY TRANSFORMER TO MAIN SWIT NEW FEEDER INSTALLATION

(PEPCO).

	E501
	DESIGNER BSF
	PN# 22021 PROJECT SE
	SCHEMATIC POWER RISER DIAGRAM NEW WORK SHERWOOD ES – FEDERAL PACIFIC GEAR REPLACEMENT SANDY SPRING, MD 20860
	Image: Construction of the state of the
	"PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE No. 51986, LICENSE No. 51986,
	"THIS DRAWING AND AND CONSTRUCTION DISCLOSED ARE PR DISCLOSED ARE PR ALBAN ENGINEERING SHALL NOT BE ALTI IN WHOLE OR IN P. THE EXPRESS WRIT OF ALBAN ENGINEEI Copyright © 2022"
	"THIS DRAWING AND THE DESIGN AND CONSTRUCTION FEATURES DISCLOSED ARE PROPRIETARY TO ALBAN ENGINEERING, INC. AND SHALL NOT BE ALTERED OR REUSED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ALBAN ENGINEERING, INC. Copyright © 2022"
	ON I
N OF CT AND METER WITH TO BE PULLED IN ITY FROM EXISTING /ITCHGEAR. COORDINATE WITH UTILITY COMPANY	. DATE
<u>ES:</u> sformer schedule for circuit breaker.	DESCRIPTION

MOUN	TING: FREE STANDING		A.I.C. RA	ATING:	65,000					LOCATION: MAIN ELEC RM	
VOLT	AGE: 480/277V, 3ø, 4 WIRE		1600 AM	PERE N	IAIN BU	S				1600 AMPERE MAIN CIRCUIT BREA	KER
			DISTRI	BUTIC	N SEC	СТІС	DN				
FDR		CIR		EAKER			WIRING				CON
NO	SERVES	Ρ	FRAME	TRIP	SETS	NO	SIZE	GND	С	REMARKS	KVA
1	HEATER IN AHU-1	3	100	100							
2	AHU-1	3	300	300							
3	PANEL E1	3	150	150	1	4	#1/0	6	EX.	REUSE EXISTING CONDUIT	
4	PANEL E4	3	150	150	1	4	#1/0	6	EX.	REUSE EXISTING CONDUIT	
5	MECH ROOM PANEL (PANEL E5)	3	350	350	1	4	500KCMIL	3	EX.	REUSE EXISTING CONDUIT	
6	HV-2 KITCHEN	3	350	350							
7	CHILLER	3	300	300							
8	PANEL E3	3	150	150	1	4	#1/0	6	EX.	REUSE EXISTING CONDUIT	
9	PANEL E2	3	150	150	1	4	#1/0	6	EX.	REUSE EXISTING CONDUIT	
10	OFFICE A/C DX FOR AHU-5	3	100	100							
11	OLD ELECTRIC SHED FEED (SPARE)	3	175	175							
12	DUCT HEATER GYM	3	150	150							
13	EXISTING CIRCUIT	3	150	150							
14	EXISTING CIRCUIT	3	225	225							
15	EXISTING CIRCUIT (ATS)	3	150	150							
16	EXISTING CIRCUIT (ATS)	3	150	150							
17	SPD	3	100	60	1	4	4	10	1-1/4''		
18											
19											
20											
21											
22											1
23											
24											1

0

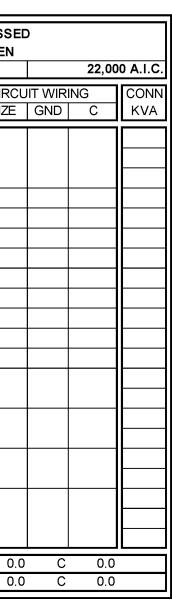
NOUN	TING: FREE STANDING		A.I.C. RA	TING:	65,000					LOCATION: MAIN ELEC RM	
VOLT	AGE: 480/277V, 3ø, 4 WIRE		2000 AM	PERE M	IAIN BU	S				1600 AMPERE MAIN CIRCUIT BRE	AKER
			DISTRI	BUTIC	N SEC	CITC	N				
FDR		CIR	CUIT BRE	AKER			WIRING				CON
NO	SERVES	Р	FRAME	TRIP	SETS	NO	SIZE	GND	С	REMARKS	KVA
1	PANELS A & B	3	125	125							Т
2	SPACE	3									
3	PANELS C & D	3	200	200	1	4	3/0	6	EX.	REUSE EXISTING CONDUIT	
4	PANEL NH2 - NEW ADDITION	3	300	300							
5	PANELS G & H	3	100	100	1	4	1	8	1-1/2"		
6	SPACE	3									
7	PANELS L & J	3	150	150	1	4	#1/0	6	EX.	REUSE EXISTING CONDUIT	
8	SPD	3	100	60	1	4	4	10	1-1/4"		
9	PANEL K	3	350	350	RE	FER	TO XFMR	SCHED	ULE		
10	SPARE (PANEL HE)	3	100	100	1	4	1	8	1-1/4"		
11	PANELS E & F	3	200	200	1	4	#3/0	6	EX.	REUSE EXISTING CONDUIT	
12	SPARE	3	125	125							
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											

PANE VOLTA		208/120V,3ø,4W	то	P FEED		(SECTIO	ON I)								D		
800		ERE BUS			MLO)				100% RATI	ED NE	EUTRAL	BUS			22,0	00 A.I.C.
CONN			BR	EAKER		CIRCU	IT WIR	ING			BR	EAKER		CIRCL	JIT WIRI	ING	CONN
KVA	СКТ	DESCRIPTION	Ρ	AMPS	NO	SIZE	GND	С	СКТ	DESCRIPTION	Ρ	AMPS	NO	SIZE	GND	С	KVA
	1	EXISTING CIRCUIT	1	20					2	EXISTING CIRCUIT	1	15					
	3	EXISTING CIRCUIT	1	20					4	EXISTING CIRCUIT	1	20					
	5	EXISTING CIRCUIT	1	20					6	EXISTING CIRCUIT	1	20					
	7								8	EXISTING CIRCUIT	1	20					
	9	EXISTING CIRCUIT	3	20					10	EXISTING CIRCUIT	1	20					
	11								12	EXISTING CIRCUIT	1	20					
	13								14	EXISTING CIRCUIT	1	20					
	15	EXISTING CIRCUIT	3	30					16	EXISTING CIRCUIT	3	15					
	17								18		Ľ						
	19								20								
	21	EXISTING CIRCUIT	3	30					22	EXISTING CIRCUIT	3	20					
	23								24								
	25								26								
	27	EXISTING CIRCUIT	3	30					28	EXISTING CIRCUIT	3	40					
	29								30								
	31	EXISTING CIRCUIT	2	20					32								
	33								34	EXISTING CIRCUIT	3	80					
	35	EXISTING CIRCUIT	1	50					36								
	37								38								
	39	EXISTING CIRCUIT	3	80					40	EXISTING CIRCUIT	3	80					
	41								42								
CONNE	CTEL	D LOAD (SECTION I)		0.0	KVA					KVA PER PHASE:	A	0.0	В	0.0) C	0.0)
				0.0	11.071							0.0		0.0		0.0	,

	GE: 2	208/120V,3ø,4W	то	P FEED		(SECTI	ON II)			4000/ 242	LO		: KIT	CHEN
<u> </u>		ERE BUS			AM					100% RA				
CONN				EAKER			JIT WIRI	-				EAKER		CIRC
KVA	СКТ	DESCRIPTION	P	AMPS	NO	SIZE	GND	С	СКТ	DESCRIPTION	P	AMPS	NO	SIZE
	43	EXISTING CIRCUIT	1	20					44					
	45	EXISTING CIRCUIT	1	20					46	EXISTING CIRCUIT	3	30		
	47	EXISTING CIRCUIT	1	20					48					
	49	EXISTING CIRCUIT	1	20					50	EXISTING CIRCUIT	1	20		
	51	EXISTING CIRCUIT	1	20					52	EXISTING CIRCUIT	1	20		
	53	EXISTING CIRCUIT	1	20					54	EXISTING CIRCUIT	1	20		
	55	EXISTING CIRCUIT	1	20					56	EXISTING CIRCUIT	1	20		
	57	EXISTING CIRCUIT	2	20					58	EXISTING CIRCUIT	1	20		
	59		2	20					60	EXISTING CIRCUIT	1	20		
	61	EXISTING CIRCUIT	1	20					62	EXISTING CIRCUIT	1	20		
	63	EXISTING CIRCUIT	1	20					64	EXISTING CIRCUIT	1	20		
	65	EXISTING CIRCUIT	1	20					66	EXISTING CIRCUIT	1	20		
	67								68			40		
	69	EXISTING CIRCUIT	3	60					70	EXISTING CIRCUIT	2	40		
	71								72					
	73								74		2	20		
	75	EXISTING CIRCUIT	3	60					76			40		
	77								78	EXISTING CIRCUIT	2	40		
	79			40					80					
	81	EXISTING CIRCUIT	2	40					82	EXISTING CIRCUIT	3	40		
	83	EXISTING CIRCUIT							84					
	CTE	D LOAD (SECTION II)		0.0	KVA					KVA PER PHASE:		. 0.0	B	0
					KVA					KVA PER PHASE:	A			0

Sherwood ES Elec Upgrade (Replace Federal Pacific)\09-Drawings\CAD Drawings\Elec\Sherwood Plans.dwg 04/07/2022 2:54:58 P

Ö



PANE	L E4	4									MC	UNTING	: RE(CESSE)		
VOLTA	GE: 4	l80/277V,3ø,4W	BO.	TTOM F	EED						LO	CATION	: COF	RRIDOR	2		
225		ERE BUS		150	A M	СВ				100% RATE	d ne	UTRAL	BUS			42,00	00 A.I.C.
CONN			BR	EAKER		CIRCL	JIT WIR	ING			BR	EAKER		CIRCL	JIT WIRI	NG	CONN
KVA	СКТ	DESCRIPTION	Ρ	AMPS	NO	SIZE	GND	С	Скт	DESCRIPTION	Ρ	AMPS	NO	SIZE	GND	С	KVA
	1								2								
	3								4								
	5								6								
	7								8								
	9	CUST OFFICE HEAT	1	20					10	SPARE (OFF)	1	30					
	11	LOBBY 105 HEAT	1	20					12	SPARE (OFF)	1	30					
	13	SPARE	1	20					14	MULTIROOM HEAT (OFF)	1	20					
	15	SPARE	1	20					16	MUSIC ROOM HEAT	1	20					
	17	SPARE	1	20					18	MUSIC ROOM HEAT	1	20					
	19								20								
	21	EXISTING CIRCUIT	3	20					22	A-P ROOM FAN-22	3	100					
	23								24								
TOTAL	CON	NECTED LOAD		0.0	KVA					KVA PER PHASE:	A	0.0	В	0.0	С	0.0	

PANE	LG										MC	OUNTING	: RE	CESSE)
VOLTA	GE: 4	l80/277V,3ø,4W	то	P FEED							LO	CATION	: CO	RRIDOR	l
100		ERE BUS		90	AM	СВ				100% RATE	d ne	EUTRAL	BUS		
CONN			BR	EAKER		CIRCL	JIT WIRI	NG			BR	EAKER		CIRCL	
KVA	скт	DESCRIPTION	Р	AMPS	NO	SIZE	GND	С	Скт	DESCRIPTION	Ρ	AMPS	NO	SIZE	GND
	1	SPARE	1	20					2	LIGHTS - MULTIPURPOSE	1	20			
	3	LIGHTS - HALL/LOBBY	1	20					4	LIGHTS - MULTIPURPOSE	1	20			
	5	LIGHTS - MUSIC RM	1	20					6	LIGHTS - MULTIPURPOSE	1	20			
	7	SPARE	1	20					8						то м
	9	SPARE	1	20					10	PANEL H (VIA XFMR T-5)	3	50		REFER	
	11								12					0011	LDOL
	13								14						
	15								16						
	17								18						
	19								20						
	21								22						
	23								24						
TOTAL	CON	NECTED LOAD		0.0	KVA					KVA PER PHASE:	A	0.0	В	0.0	(

PANE	LH										MC	UNTING	: RE	CESSE)
VOLTA	GE: 2	08/120V,3ø,4W	то	P FEED							LO	CATION	: COI	RRIDOR	2
		ERE BUS		100	AM	СВ				100% RATE) NE	UTRAL	BUS		
CONN			BRI	EAKER		CIRCL	IT WIR	ING			BR	EAKER		CIRCL	JIT WI
KVA	скт	DESCRIPTION	Ρ	AMPS	NO	SIZE	GND	С	СК	T DESCRIPTION		AMPS	NO	SIZE	GND
	1	EXISTING CIRCUIT	1	20					2	LIGHTS - MULTIPURPOSE	1	20			
	3	EXISTING CIRCUIT	1	20					4	LIGHTS - MULTIPURPOSE	1	20			
	5	CLOCK - MULTIPURPOSE	1	20					6	REC - MULTIPURPOSE	1	20			
	7	LIGHTS - MULTIPURPOSE	1	20					8	REC - STAGE	1	20			
	9	LIGHTS - MULTIPURPOSE	1	20					10	REC - MUSIC ROOM	1	20			
	11	REC - LOBBY 105	1	20					12	OUTSIDE REC - LOBBY 105	1	20			
	13	REC - CUSTODIAN 75	1	20					14	REC - UNDER DIMMER	1	20			
	15	LIGHTS - STAGE	1	20					16		2	20			
	17	STAGE SCREEN	1	20					18		2	20			
	19	LIGHTS - STAGE	1	20					20		2	20			
	21	TIME CLOCK - OUTSIDE	1	20					22		2	20			
	23	LIGHTS - STAGE TRACK	1	20					24		2	20			
	25	REC - STAFF LOUNGE	1	20					26			20			
	27	LIGHTS - STAGE TRACK	1	20					28		2	20			
	29	LIGHTS - STAGE TRACK	1	20					30		2	20			
	31	OUTSIDE 50A REC	2	50					32	NEW SODA MACHINE	1	20			
	33		-						34	NEW SODA MACHINE	1	20			
	35	EXHAUST - STAFF LOUNGE	1	20					36		1	20			
	37								38						
	39								40						
	41								42						
TOTAL	CON	NECTED LOAD		0.0	KVA					KVA PER PHASE:	A	0.0	В	0.0	(

		E 180/277V,3ø,4W	то	P FEED											
		ERE BUS			AM	СВ				100% RATE					
CONN			BR	EAKER		CIRCL	JIT WIRI	NG			BR	EAKER		CIRCU	
KVA	скт	DESCRIPTION	Р	AMPS	NO	SIZE	GND	С	СКТ	DESCRIPTION	Ρ	AMPS	NO	SIZE	GND
	1								2						
	3								4						
	5	PANEL EH	3	30					6						
	7								8						
	9								10						
	11								12						
	13								14						
	15	EMERGENCY LIGHTS	1	20					16	EMERGENCY LIGHTS (OFF)	1	20			
	17	SPARE (OFF)	1	20					18	EMERGENCY LIGHTS (OFF)	1	20			
	19	SPARE (OFF)	1	20					20					REFER	
	21	SPARE (OFF)	1	20					22	PANEL LE (VIA XFMR T-7)	3	30			
	23	SPARE (OFF)	1	20					24					0.011	
TOTAL	CON	NECTED LOAD		0.0	KVA					KVA PER PHASE:	Α	0.0	В	0.0	(

PANE	EL E	5				(SECTIO	ON I)				МС	OUNTING	: SU	RFACE	
VOLTA	GE: 4	80/277V,3ø,4W	во	TTOM F	EED						LO	CATION	: MA		TRICA
400	AMPI	ERE BUS		400	AM	СВ				100% RA	TED N	EUTRAL	BUS		
CONN			BR	EAKER		CIRCL	JIT WIR	ING	1		BR	EAKER		CIRCL	JIT WIR
KVA	СКТ	DESCRIPTION	Р	AMPS	NO	SIZE	GND	С	СКТ	DESCRIPTION	Ρ	AMPS	NO	SIZE	GND
	1								2						
	3	CUH-3	3	30					4	CU-4	3	40			
	5								6						
	7	CUH-2	1	40					8						
	9								10	CU-2	3	60			
	11								12						
CONNE	CTEL	D LOAD (SECTION I)		0.0	KVA	\				KVA PER PHASE:	A	0.0	В	0.0	С

	GE: 4	80/277V,3ø,4W	во	TTOM F	EED	(SECTIO	ON II)				LO		: MAI			
400	AMP	ERE BUS		400	A MI	LO				100% RATE	D NE	EUTRAL	BUS			-
CONN				EAKER								EAKER	NO			
KVA	СКТ	DESCRIPTION	P	AMPS	NO	SIZE	GND	С	СКТ	DESCRIPTION	P	AMPS	NO	SIZE	GND	l
	13								14							ſ
	15	H&U #1 IN GYM FAN	3	30					16	CU-1	3	30				
	17								18							
	19								20							
	21	CHILLED WATER #2	3	30					22		3	30				
	23								24							ļ
	25	A&U #2 OVER KITCHEN							26							
	27	FAN	3	15					28	CU-5	3	50				
	29								30							ļ
	31								32							
	33	KITCHEN HOOD FAN	3	15					34	CU-6	3	60				
	35								36							ļ
	37								38			1.5				
		AIR COMPRESSOR (OFF)	3	-						PRV-6 MECH ROOM	3	15				
	41								42							ļ
	43										1	20				ļ
	45	EXISTING CIRCUIT	3	15							1	20				ļ
	47										1	20				ļ
		EXISTING CIRCUIT (OFF)	1	20							1	20				ļ
	51								52							ļ
	53								54							
		D LOAD (SECTION II)			KVA					KVA PER PHASE:	Α			0.0		
TOTAL	CON	NECTED LOAD		0.0	KVA					KVA PER PHASE:	A	0.0	В	0.0	С	

PANE	EL J										MC	UNTING	: REC	CESSED)
VOLTA	GE: 4	480/277V,3ø,4W	во	TTOM F	EED						LO	CATION	: COF	RRIDOR	
225	AMP	ERE BUS		150	AM	СВ				100% RATE	d ne	UTRAL	BUS		
CONN			BR	EAKER		CIRCL	JIT WIRI	NG	1		BR	EAKER		CIRCL	IT WIRI
KVA	скт	DESCRIPTION	Р	AMPS	NO	SIZE	GND	С	Скт	DESCRIPTION	Р	AMPS	NO	SIZE	GND
	1								2						
	3								4						
	5								6	LIGHTS - CORRIDOR 83	1	20			
	7	LIGHTS - GYM	1	20					8	LIGHTS - WATER METER	1	20			
	9	LIGHTS - VEST. 88	1	20					10	LIGHTS - STORAGE RMS	1	20			
	11	LIGHTS - GYM	1	20					12	SPARE	1	20			
	13	LIGHTS - GYM	1	20					14	LIGHTS - GYM STORAGE	1	20			
	15	LIGHTS - GYM	1	20					16	SPARE	1	20			
	17	LIGHTS - GYM OFFICE	1	20					18	SPARE	1	20			
	19								20						TO XFM
	21	SPARE	3	15					22	PANEL L (VIA XFMR T-4)	3	30			
	23]							24					0011	
TOTAL	CON	INECTED LOAD		0.0	KVA					KVA PER PHASE:	A	0.0	В	0.0	С

PANE	LL										МС	OUNTING	: RE	CESSE)
VOLTA	GE: 2	208/120V,3ø,4W	то	P FEED							LO	CATION	: CO	RRIDOR	ł
100	AMP	ERE BUS		60	AM	СВ				100% RATE) NI	EUTRAL	BUS		
CONN			BR	EAKER		CIRCL	JIT WIR	ING	1		BR	EAKER		CIRCL	JIT WIR
KVA	СКТ	DESCRIPTION	Ρ	AMPS	NO	SIZE	GND	С	СКТ	DESCRIPTION	Ρ	AMPS	NO	SIZE	GND
	1	REC - GYM	1	20					2	REC - CORRIDOR 83	1	20			
	3	REC - GYM	1	20					4	REC - CORRIDOR 83	1	20			
	5	PRV-7,8,9	1	20					6	LIGHTS - MECH ROOM	1	20			
	7	REC - TRASH COMPACT.	1	20					8	LIGHTS - MECH ROOM	1	20			
	9	REC - GYM OFFICE	1	20					10	EXISTING CIRCUIT	1	20			
	11	REC - GYM STORAGE	1	20					12	CONTROL - GYM/KITCHEN	1	20			
	13								14	LIGHTS	1	20			
	15	TRASH ROLLING DOOR	1	20					16	LIGHTS	1	20			
	17	TRASH ROLLING DOOR	1	20					18						
	19	TRASH ROLLING DOOR	1	20					20						
	21								22						
	23								24						

PANE VOLTA		= 208/120V,3ø,4W	то	P FEED											١L	
50	AMP	ERE BUS		50	AM	СВ				100% RATE	D NI	EUTRAL	BUS			_
CONN			BR	EAKER		CIRCL	JIT WIR	ING			BR	EAKER		CIRCL		۲I
KVA	СКТ	DESCRIPTION	Ρ	AMPS	NO	SIZE	GND	С	СКТ	DESCRIPTION	Ρ	AMPS	NO	SIZE	GND	Ι
	1	EMERGENCY LIGHTS GYM	1	20					2	SPARE (OFF)	1	20				Ī
	3	EMERGENCY LIGHTS	1	20					4	HVAC CONTROL	1	20				
	5	EMERGENCY LIGHTS	1	20					6	SMOKE DETECTORS	1	20				
	7	EMERGENCY LIGHTS	1	20					8	FIRE ALARM PANELS	1	20				Ι
	9	EMERGENCY LIGHTS	1	20					10	FIRE ALARM PANELS	1	20				T
	11	ELEC. METER 110V	1	20					12	MECH RM E. LIGHTS/TEL	1	20				Ī
	13	EXISTING CIRCUIT	1	20					14	E. GEN WATER HEATER	1	20				Ī
	15 17								16 18	EXISTING CIRCUIT	2	20				Ī
	19								20							t
	21								22							Ť
	23								24							T

42,00	0 A.I.C.
١G	CONN KVA
С	KVA
IR	
0.0	
	IG C

0 A.I.C.
CONN
KVA

A	L ROOM 42,00	0 A.I.C.
R)	ING C	CONN KVA
FI E	MR	
С	0.0	

<u>•.•</u> E601

PANE	LE	3									МО	UNTING	: RE	CESSED
VOLTA	GE: 4	80/277V,3ø,4W	во	TTOM F	EED						LO	CATION	: COI	RRIDOR
225		ERE BUS		150	A M	СВ				100% RATE) NE	UTRAL	BUS	
CONN			BR	EAKER		CIRCL	JIT WIR	ING			BR	EAKER		CIRCU
KVA	СКТ	DESCRIPTION	Ρ	AMPS	NO	SIZE	GND	С	СКТ	DESCRIPTION	Ρ	AMPS	NO	SIZE
	1	HEAT - ASSIST PRIN.	1	20					2	SPARE	1	20		
	3	HEAT - COMM. CENTER	1	20					4	SPARE	1	20		
	5	HEAT - CONF. ROOM	1	20					6	UH-6 ART ROOM 53	1	20		
	7	HEAT - PRIN. OFFICE	1	20					8	UH-8 IN GEN OFFICE	1	20		
	9	UH-9	1	20					10	SPARE (OFF)	1	20		
	11	HEAT - TEACHER LOUNGE'	1	50					12	SPARE (OFF)	1	20		
	13 15 17	CONVECTORS ART	3	15					14 16 18	AIR HANDLER ROOM EXHAUST FAN (OFF)	3	15		
	17 19 21 23	AIR CAMP IN AIR HANDLER ROOM	3	15					20 22 24	COOLING TOWER (OFF)	3	20		
	25 27 29	UH-11 AIR HANDLER ROOM	3	20					26 28 30	AC FAN COIL MOTOR ON ROOF (OFF)	3	20		
	31 33 35	CONVECTORS LIBRARY	3	20					32 34 36	RETURN AIR FAN IN AIR HANDLER ROOM (OFF)	3	30		
	37 39 41	CONVECTORS LIBRARY	3	20					38 40 42	-CONVECTORS -READING/SPEECH	3	20		
TOTAL	CON	NECTED LOAD		0.0	KVA					KVA PER PHASE:	A	0.0	В	0.0

0

PANE VOLTA		l80/277V,3ø,4W	во	TTOM F	EED	PROVIE	DE 125A	A SUBFI	EED T	O PANEL F (VIA XFMR T-3)							
225		ERE BUS		200	AMO	СВ				100% RATE	ED NI	EUTRAL	BUS			42,0	00 A.I.
CONN			BR	EAKER		CIRCL	JIT WIRI	ING			BR	EAKER		CIRCL	JIT WIRI	NG	CON
KVA	СКТ	DESCRIPTION	Ρ	AMPS	NO	SIZE	GND	С	СКТ	DESCRIPTION	Ρ	AMPS	NO	SIZE	GND	С	KV/
	1	LIGHTS - RM 61,66,70	1	20					2	LIGHTS - RM 48,49	1	20					
	3	LIGHTS - RM 62,63,64	1	20					4	LIGHTS - COM. UNIT	1	20					
	5	SPARE	1	20					6	LIGHTS - ART ROOM	1	20					
	7	LIGHTS - CORR 38	1	20					8	SPARE	1	20					
	9	LIGHTS - FAC. LOUNGE	1	20					10	SPARE	1	20					
	11	SPARE	1	20					12	SPARE	1	20					
	13	SPARE	1	20					14								
	15								16								
	17								18								
TOTAL	CON	NECTED LOAD		0.0	KVA		1			KVA PER PHASE:	A	0.0	В	0.0	С	0.0	<u></u>)

PANE VOLTA		08/120V,3ø,4W	то	P FEED	PRO	VIDE 10	IOA SUI	BFEED	το ρα	NEL T							
300		ERE BUS		300	A M	СВ				100% RATE	d ne	UTRAL	BUS			10,0	00 A.I.C.
CONN				EAKER			IT WIR				-	EAKER			IT WIR		CONN
KVA	СКТ	DESCRIPTION	P	AMPS	NO	SIZE	GND	С	СКТ	DESCRIPTION	Ρ	AMPS	NO	SIZE	GND	С	KVA
	1	EXISTING CIRCUIT	1	20					2	EXISTING CIRCUIT	1	20					
	3	EXISTING CIRCUIT	1	20					4	EXISTING CIRCUIT	1	20					
	5	EXISTING CIRCUIT	1	20					6	EXISTING CIRCUIT	1	20					
	7	EXISTING CIRCUIT	1	20					8	EXISTING CIRCUIT	1	20					
	9	EXISTING CIRCUIT	1	20					10	EXISTING CIRCUIT	1	20					1
	11	EXISTING CIRCUIT	1	20					12	EXISTING CIRCUIT	1	20					1
	13	EXISTING CIRCUIT	1	20					14	EXISTING CIRCUIT	1	20					1
	15	EXISTING CIRCUIT	1	20					16	EXISTING CIRCUIT	1	20					1
	17	EXISTING CIRCUIT	1	20					18	EXISTING CIRCUIT	1	20					1
	19	EXISTING CIRCUIT	1	20					20	EXISTING CIRCUIT	1	20					1
	21	EXISTING CIRCUIT	1	20					22	EXISTING CIRCUIT	1	20					1
	23	EXISTING CIRCUIT	1	20					24	EXISTING CIRCUIT	1	20					1
	25	EXISTING CIRCUIT	1	20					26		'	20					
	27	EXISTING CIRCUIT	1	20					28	EXISTING CIRCUIT	2	20					1
	29	EXISTING CIRCUIT	1	20					30		2	20					
	31	EXISTING CIRCUIT	1	20					32	EXISTING CIRCUIT	1	20					1
	33								34	EXISTING CIRCUIT	1	20					1
	35	EXISTING CIRCUIT	1	20					36	EXISTING CIRCUIT	2	20					1
	37	EXISTING CIRCUIT	1	20					38			20					
	39	EXISTING CIRCUIT	1	20					40	EXISTING CIRCUIT	1	20					1
	41					_			42	EXISTING CIRCUIT	1	20					
	CON			0.0	KVA					KVA PER PHASE:	A	0.0	В	0.0	С	0.0	

PANE												UNTING					
		208/120V,3ø,4W ERE BUS		P FEED	A MO					100% RAT	-					10.0	00 A.I.C
	_								1							•	
ONN				EAKER			IT WIR					EAKER	<u> </u>		IT WIR		
<va< th=""><th>СКТ</th><th>DESCRIPTION</th><th>P</th><th>AMPS</th><th>NO</th><th>SIZE</th><th>GND</th><th>С</th><th>СКТ</th><th>DESCRIPTION</th><th>P</th><th>AMPS</th><th>NO</th><th>SIZE</th><th>GND</th><th>С</th><th>KV,</th></va<>	СКТ	DESCRIPTION	P	AMPS	NO	SIZE	GND	С	СКТ	DESCRIPTION	P	AMPS	NO	SIZE	GND	С	KV,
	1	EXISTING CIRCUIT	1	20					2	EXISTING CIRCUIT	1	20]
	3	EXISTING CIRCUIT	1	20					4	EXISTING CIRCUIT	1	20					
	5	EXISTING CIRCUIT	1	20					6	EXISTING CIRCUIT	1	20					
	7	EXISTING CIRCUIT	1	20					8	EXISTING CIRCUIT	1	20					
	9	EXISTING CIRCUIT	1	20					10	EXISTING CIRCUIT	1	20					
	11	EXISTING CIRCUIT	1	20					12	EXISTING CIRCUIT	1	20					
	13	EXISTING CIRCUIT	1	20					14	EXISTING CIRCUIT	1	20					
	15	EXISTING CIRCUIT	1	20					16	EXISTING CIRCUIT	1	20					
	17	EXISTING CIRCUIT	1	20					18	EXISTING CIRCUIT	1	20					
	19	EXISTING CIRCUIT	1	20					20	EXISTING CIRCUIT	1	20					
	21	EXISTING CIRCUIT	1	20					22	EXISTING CIRCUIT	1	20					
	23	EXISTING CIRCUIT	1	20					24	EXISTING CIRCUIT	1	20					
	25	EXISTING CIRCUIT	1	20					26	EXISTING CIRCUIT	1	20					
	27	EXISTING CIRCUIT	1	20					28	EXISTING CIRCUIT	1	20					
	29	EXISTING CIRCUIT	1	20					30	EXISTING CIRCUIT	1	20					
	31	EXISTING CIRCUIT	1	20					32	EXISTING CIRCUIT	1	20					
	33	EXISTING CIRCUIT	1	20					34	EXISTING CIRCUIT	1	20					
	35	EXISTING CIRCUIT	1	20					36	EXISTING CIRCUIT	1	20					
	37								38								
	39								40								1
	41								42								

iood ES Elec Upgrade (Replace Federal Pacific)\09—Drawings\CAD Drawings\Elec\Sherwood Plans.dwg 04/07/2022 2:55:04 P

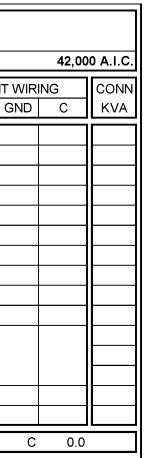
EC DR)		
JR		42,00	0 A.I.C.
CU			CONN
-	GND	С	KVA
			\mid
			\mid
			$\left - \right $
			\vdash
0.0	С	0.0	

PANE		_										UNTING			
		l80/277V,3ø,4W	BO	TTOM F						1		CATION			<u>د</u>
225	AMP	ERE BUS		150	A M	СВ				100% RA	TED NE	UTRAL	BUS		
CONN			BR	EAKER		CIRCU	JIT WIR	ING			BR	EAKER		CIRCL	י דונ
KVA	СКТ	DESCRIPTION	Р	AMPS	NO	SIZE	GND	С	СКТ	DESCRIPTION	Р	AMPS	NO	SIZE	G
	1	SPECIAL ED RM 14	1	30					2	IMC HEATER	1	20			
	3	SPECIAL ED RM 13	1	20					4	HEATER ROOM 15	1	30		,	
	5	HEATER ROOM 17	1	30					6	HEATER ROOM 18	1	30			
	7	UNIT HEATER #4	1	20					8	HEATER ROOM 16	1	30			
	9	CLASSROOM #42	1	20					10	SPARE	1	20			
	11	UH-7	1	20					12	UH-5	1	20			
	13	SHOP ROOM #7	1	20					14	HEATER T.P.C. 26	1	20			
	15	HALL HEATER	1	30					16	UNIT HEATER	1	40			
	17	HALL HEATER	1	40					18	SPARE	1	30			
	19	SPARE	1	50					20	SPARE	1	60			
	21								22						
	23	CONVECTORS	3	20					24	CONVECTORS	3	20			
	25								26						
	27								28						
	29								30						
	CON		•	. 0.0	KVA				4	KVA PER PHASE:		. 0.0	B	0.0	

PANE VOLTA		80/277V,3ø,4W	вс	TTOM F	EED										-		
225		ERE BUS		200	A MO	СВ				100% RATE	DN	EUTRAL	BUS			42,0	00 A.I.C
CONN			BR	EAKER		CIRCL	IT WIR	ING			BR	EAKER		CIRCL	JIT WIRI	NG	CONN
KVA	СКТ	DESCRIPTION	Ρ	AMPS	NO	SIZE	GND	С	СКТ	DESCRIPTION	Ρ	AMPS	NO	SIZE	GND	С	KVA
	1	LIGHTS - SPEC. ED	1	20					2	EXISTING CIRCUIT	1	20					
	3	LIGHTS - CLASSRM 10	1	20					4	LIGHTS - CLASSRM 15	1	20					
	5	LIGHTS - CLASSRM 17	1	20					6	LIGHTS - CORRIDOR 13	1	20					
	7	LIGHTS - CLASSRM 18	1	20					8	HEATER - ROOM 20	1	20					
	9	LIGHTS - CLASSRM 16	1	20					10	LIGHTS - CORRIDOR 25	1	20					
	11								12	LIGHTS - IMC ROOM	1	20					
	13	PANEL NP (VIA XFMR)	3	50					14	LIGHTS - IMC ROOM	1	20					
	15								16	LIGHTS - IMC ROOM	1	20					
	17								18	LIGHTS - CLASSRM 42	1	20					
	19	PANEL D (VIA XFMR T-2)	3	90					20	SPARE	1	20					
	21								22	LIGHTS - CLASSRM 40A	1	20					1
	23								24	SPARE	1	20					
TOTAL	CON	NECTED LOAD		0.0	KVA					KVA PER PHASE:	A	0.0	В	0.0	С	0.0)

		008/1201/12 ~ 1/1/	то	P FEED											
		208/120V,3ø,4W ERE BUS			AM	CB				100% RATE	_		_	-	Ť
	_								1		_				_
CONN		DESCRIPTION		EAKER AMPS		SIZE	JIT WIR GND				BR	EAKER AMPS		CIRCI SIZE	
KVA	СКТ	DESCRIPTION		AIMPS		SIZE	GND	С	СКТ					SIZE	1
	1	PLUGS	1	20					2	PLUGS	1	20			
	3	PLUGS	1	20					4	PLUGS	1	20			
	5	PLUGS	1	20					6	PLUGS	1	20			
	7	PLUGS	1	20					8	PLUGS	1	20			
	9	PLUGS	1	20					10	PLUGS	1	20			
	11	PLUGS	1	20					12	DISHWASHER	1	20			
	13	PLUG - SEC RECPT	1	20					14	COURTYARD LIGHT	1	20			
	15	PLUGS	1	20					16	SPARE	1	20			
	17	PLUGS	1	20					18	PLUGS	1	20			
	19	EXISTING CIRCUIT	1	20					20	WASHING MACHINE	1	20			
	21	WASHING MACHINE	1	20					22	RM 132 PROMET. BOARD	1	20			
	23	REFRIGERATOR	1	20					24	PLUGS	1	20			
	25	RECPT - CLASS NEW WALLS	1	20					26	PLUGS	1	20			
	27	SPARE	1	20					28	RM 132 TEACHER DROP	1	20			
	29	PLUGS	1	20					30	SPARE	1	20			
	31	PLUGS	1	20					32	RM 17,18 - PLUGS	1	20			
	33	HEATER RESOURCE RM	1	20					34	RM 17,18 - PLUGS	1	20			
	35	HEATER RESOURCE RM	1	20					36	CLOTHES DRYER	2	30			
	37	SPARE	1	20					38						Ι
	39	RM132 BATH GFCI	1	20					40	RANGE	2	50			Ι
	41	RM132 REGRIGERATOR	1	20					42		2	50			T

GENERAL NOTES 1. MAINTAIN ALL BRANCH CIRCUITS PANELS. MODIFY/EXTEND BRANCH ACCOMMODATE NEW PANEL.



	42,00	0 A.I.C.
WIRI	NG	CONN
GND	С	KVA
С	0.0	

KVA CKT DESCRIPTION P AMPS NO SIZE GND C CKT DESCRIPTION P AMPS NO S 1 1 TPC - 43 1 30 2 1 30 30 1 30 1 30 1 30 1 30 1 30 1 30 1 30 1 30 1 30 1 30 1 30 1 30 1 40 1 30 1 40 1 30 1 40 1 40 1 40 1 40 1 40 1 40 1 40 1 40 1 40 1 40 1 40 1 40 1 40 1 40 1 40 1 40 1 40 1 40 1 40 1	PANE		1 I80/277∨,3ø,4W	во	TTOM F	EED										
KVA CKT DESCRIPTION P AMPS NO SIZE GND C CKT DESCRIPTION P AMPS NO S 1 1 TPC - 43 1 30 2 1 30 30 1 30 1 30 1 30 1 30 1 30 1 30 1 30 1 30 1 30 1 30 1 30 1 30 1 30 1 40 1 30 1 40 1 30 1 40 1 40 1 40 1 40 1 40 1 40 1 40 1 40 1 40 1 40 1 40 1 40 1 40 1 40 1 40 1 40 1 40 1 40 1 40 1 <th>225</th> <th>AMP</th> <th>ERE BUS</th> <th></th> <th>150</th> <th>AM</th> <th>СВ</th> <th></th> <th></th> <th></th> <th>100% RA</th> <th></th> <th>EUTRAL</th> <th>BUS</th> <th></th> <th></th>	225	AMP	ERE BUS		150	AM	СВ				100% RA		EUTRAL	BUS		
1 TPC - 43 1 30 2 1 30 30 3 CLASSRM #1 (ROOM 9) 1 30 4 LIGHTS - CLASSRM 45 1 30 40 5 CLASSRM #2 (ROOM 10) 1 30 6 LIGHTS - CLASSRM 20 1 40 40 7 CLASSRM #3 (ROOM 11) 1 30 6 LIGHTS - CLASSRM 19 1 30 1 9 CLASSRM #44 (ROOM 4) 1 30 10 8 LIGHTS - CLASSRM 19 1 30 1 11 UNIT HEAT #1, CLASS 20 1 20 12 CORRIDOR LIGHTS 1 30 1 13 UNIT HEAT #3, CLASS 45 1 20 14 CORRIDOR LIGHTS 1 20 1 15 CONVECTORS (10-11-13-1 1 20 16 22 22 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1	CONN			BR	EAKER		CIRCL	JIT WIR	NG	1		BR	EAKER		CIRCL	ע דור
3 CLASSRM #1 (ROOM 9) 1 30 4 LIGHTS - CLASSRM 45 1 30 5 5 CLASSRM #2 (ROOM 10) 1 30 6 LIGHTS - CLASSRM 20 1 40 6 7 CLASSRM #3 (ROOM 11) 1 30 8 LIGHTS - CLASSRM 20 1 40 7 9 CLASSRM #3 (ROOM 11) 1 30 7 10 EXISTING CIRCUIT 1 40 7 11 UNIT HEAT #1, CLASS 20 1 20 11 12 CORRIDOR LIGHTS 1 30 7 13 UNIT HEAT #3, CLASS 45 1 20 14 CORRIDOR LIGHTS 1 20 7 15 CONVECTORS (10-11-13- 14) 1 20 16 18 CONVECTORS (4-6-8-9) 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20	KVA	скт	DESCRIPTION	Р	AMPS	NO	SIZE	GND	С	Скт	DESCRIPTION	Р	AMPS	NO	SIZE	GN
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		1	TPC - 43	1	30					2		1	30			Γ
7 CLASSRM #3 (ROOM 11) 1 30 8 LIGHTS - CLASSRM 19 1 30 1 9 CLASSRM #44 (ROOM 4) 1 30 10 EXISTING CIRCUIT 1 40 1 11 UNIT HEAT #1, CLASS 20 1 20 12 CORRIDOR LIGHTS 1 30 1 13 UNIT HEAT #3, CLASS 45 1 20 14 CORRIDOR LIGHTS 1 20 1 15 CONVECTORS (10-11-13- 14) 1 20 16 1 20 16 19 19 20 12 CONVECTORS (4-6-8-9) 1 20 1		3	CLASSRM #1 (ROOM 9)	1	30					4	LIGHTS - CLASSRM 45	1	30			
9 CLASSRM #44 (ROOM 4) 1 30 10 EXISTING CIRCUIT 1 40 1 11 UNIT HEAT #1, CLASS 20 1 20 12 CORRIDOR LIGHTS 1 30 1 13 UNIT HEAT #3, CLASS 45 1 20 14 CORRIDOR LIGHTS 1 20 1 15 CONVECTORS (10-11-13-14) 1 20 16 18 CONVECTORS (4-6-8-9) 1 20		5	CLASSRM #2 (ROOM 10)	1	30					6	LIGHTS - CLASSRM 20	1	40			
11 UNIT HEAT #1, CLASS 20 1 20 12 CORRIDOR LIGHTS 1 30 1 13 UNIT HEAT #3, CLASS 45 1 20 14 CORRIDOR LIGHTS 1 20 1 15 CONVECTORS (10-11-13-14) 1 20 16 18 CONVECTORS (4-6-8-9) 1 20		7	CLASSRM #3 (ROOM 11)	1	30					8	LIGHTS - CLASSRM 19	1	30			
13 UNIT HEAT #3, CLASS 45 1 20 14 CORRIDOR LIGHTS 1 20 15 CONVECTORS (10-11-13- 14) 1 20 16 18 CONVECTORS (4-6-8-9) 1 20 1 19 20 20 22 22 22 22 22 22 23 20 23 25 25 26 28 28 28 28 20 20 20		9	CLASSRM #44 (ROOM 4)	1	30					10	EXISTING CIRCUIT	1	40			
15 CONVECTORS (10-11-13-14) 1 20 16 18 CONVECTORS (4-6-8-9) 1 20 19 19 20 22 22 22 20		11	UNIT HEAT #1, CLASS 20	1	20					12	CORRIDOR LIGHTS	1	30			
17 CONVECTORS (10-11-13- 14) 1 20 18 CONVECTORS (4-6-8-9) 1 20 19 19 20		13	UNIT HEAT #3, CLASS 45	1	20					14	CORRIDOR LIGHTS	1	20			
21 23 CONVECTORS (1-2-3-5-7) 1 20 22 24 24 24 24 26 26 26 26 26 28 28 28 28 28 28 28 28 28 27 28 20 <t< td=""><td></td><td>17</td><td></td><td>1</td><td>20</td><td></td><td></td><td></td><td></td><td>18</td><td>CONVECTORS (4-6-8-9)</td><td>1</td><td>20</td><td></td><td></td><td></td></t<>		17		1	20					18	CONVECTORS (4-6-8-9)	1	20			
25 26 2 27 28 2																+
27 28 28 28		23	CONVECTORS (1-2-3-5-7)	1	20					24						
		25								26						
		27								28						
29 30		29								30						

PANE	EL A										МС	OUNTING	G: SU	RFACE	
VOLTA	GE: 4	180/277V,3ø,4W	BO	TTOM F	EED						LO	CATION	I: ELE	ECTRIC	AL RO
225	AMPI	ERE BUS		125	AM	СВ				100% RATE	ED NI	EUTRAL	BUS		
CONN			BR	EAKER		CIRCL	JIT WIRI	NG			BR	EAKER		CIRCL	JIT W
KVA	СКТ	DESCRIPTION	Р	AMPS	NO	SIZE	GND	С	Скт	DESCRIPTION	Р	AMPS	NO	SIZE	GN
	1	LIGHTS - CLASSRM 56	1	20					2						Τ
	3	LIGHTS - CLASSRM 59	1	20					4	LIGHTS - CLASSRM 45	1	20			
	5	LIGHTS - CLASSRM 27	1	20					6	LIGHTS - CLASSRM 20	1	20			
	7	LIGHTS - CLASSRM 28	1	20					8	LIGHTS - CLASSRM 19	1	20			
	9	LIGHTS - CLASSRM 3	1	20					10	EXISTING CIRCUIT	1	20			
	11	LIGHTS - CLASSRM 2	1	20					12	CORRIDOR LIGHTS	1	20			
	13	LIGHTS - CLASSRM 1	1	20					14	CORRIDOR LIGHTS	1	20			
	15	EXISTING CIRCUIT	1	20					16						
	17	BASEBOARD HEATER	1	20					18	PANEL B (VIA XFMR T-1)	1	50			
	19	EXISTING CIRCUIT	1	20					20						
	21	EXISTING CIRCUIT	1	20					22	LIGHTS - CLASSRM 44	1	20			
	23								24	EXISTING CIRCUIT	1	20			
	25								26						
	27								28						
	29								30						1
ΤΟΤΑΙ	CON		•	. 0 0	KVA		• •			KVA PER PHASE:	Ā	. 0.0	B	0.0	<u> </u>

		208/120V,3ø,4W	то	P FEED	FED	ERAL P	ACIFIC	TYPE N	IBLP						
		ERE BUS			AM	СВ				100% RATE	-		_		Ì
CONN			BR	EAKER		CIRCL	JIT WIRI	NG			BR	EAKER		CIRCL	
	скт	DESCRIPTION	P	AMPS		SIZE	GND	С	СКТ	DESCRIPTION		AMPS		SIZE	G
	1	PLUGS RM K59	1	20					2	PLUGS RM 28 (OFF)	1	20			Т
	3	PLUGS RM K55	1	20					4	SPARE	1	20			
	5	PLUGS RM 45	1	20					6	EXISTING CIRCUIT	1	20			
	7	PLUGS RM 44	1	20					8	PLUGS RM 27&43	1	20			
	9	PLUGS RM 5,7,&8	1	20					10	PLUGS RM 29 (PRIM RES)	1	20			
	11	PLUGS TPC 8 (3RD GRADE)	1	20					12	PLUGS RM 1	1	20			
	13	PLUGS RM 13	1	20					14	PLUGS RM 3	1	20			
	15	PLUGS LOBBY 60	1	20					16	PLUGS RM 2	1	20			
	17	PLUGS CORRIDOR 31	1	20					18	S.A. RECEPTS	1	20			
	19	SPARE	1	20					20	SPARE	1	20			
	21	REFRIGERATOR RM 55	1	20					22	EXISTING CIRCUIT	1	20			
	23	REFRIGERATOR RM 59	1	20					24	DEVIDER PANEL PLUGS	1	20			
	25	WATER COOLER	1	20					26	DEVIDER PANEL PLUGS	1	20			
	27	PLUGS RM 48,49	1	20					28	SPECIAL PLUG RM 52	1	20			
	29	PLUGS R, 47	1	20					30	SPECIAL PLUG RM 52	1	20			
	31	PLUGS RM 46	1	20					32	SPECIAL PLUG RM 52	1	20			
	33	EXISTING CIRCUIT	1	20					34	EXISTING CIRCUIT	1	20			
	35	UNDERCOUNTER LIGHTS	1	20					36	EXISTING CIRCUIT	2	30			
	37	EXISTING CIRCUIT	1	20					38		-				
		MASTER CLOCK OFFICE	1	20					40	EXISTING CIRCUIT	1	20			
	41	EXISTING CIRCUIT	1	20					42	EXISTING CIRCUIT	1	20			
TOTAL	CON	NECTED LOAD		0.0	KVA					KVA PER PHASE:	Α	0.0	В	0.0)

-	PROJE MANAG DESIG	PANEL SCHEDULES		"PROFESSIONAL CERTIFICATION. I	SIHL"	THIS DRAWING AND THE DESIGN		REVISIONS
	GER			HEREBY CERTIFY THAT THESE doctiments were dredared or		AND CONSTRUCTION FEATURES	NO. DATE	DESCRIPTION
Ŭ				APPROVED BY ME, AND THAT I AM	ALBAN	I ENGINEERING, INC. AND		
SET		28 SHFRWOOD FS - FEDERAL PACIFIC CFAR RFPI ACFMENT	303 INTERNATIONAL CIRCLE,	A UULT LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF	DU WH	N WHOLE OR IN PART WITHOUT		
2	SE SF		SUITE 450 HUNT VALLEY, MD 21030	THE STATE OF MARYLAND, LICENSE No. 51986,	THE E OF AL	THE EXPRESS WRITTEN PERMISSION DF ALBAN ENGINEERING, INC.		
		JANUY JPRING, MU ZUQOU	www.albanengineering.com 410.842.6411	EXPIRATION DATE: 12–13–2023"	Copyri	Copyright © 2022"		
0								



0



MAIN SWITCHGEAR SCALE: NONE

Pacific)\09-Drawings\CAD_Drawings\Flec\Sherwood_Plans.dwg_04/07/20



PANELS HE & LE SCALE: NONE



PANEL L SCALE: NONE

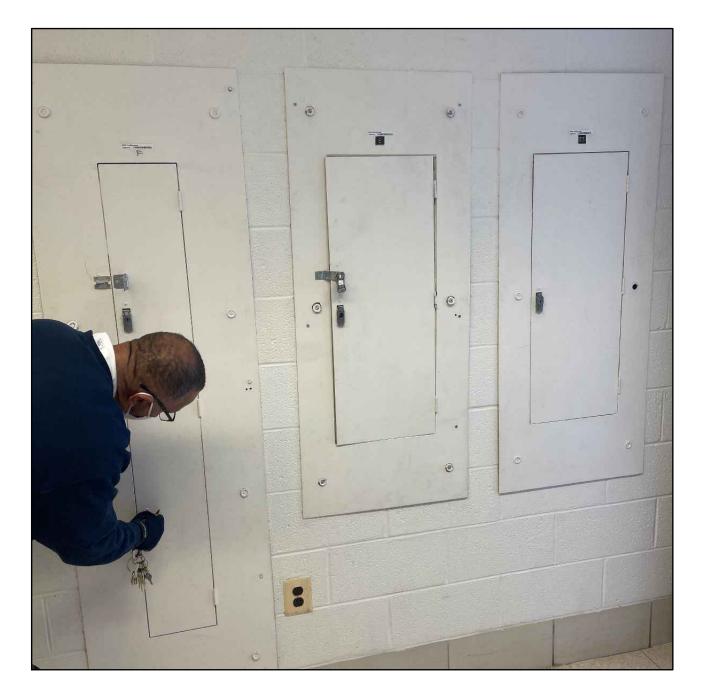
PANEL K SCALE: NONE



XFMR T-6 SCALE: NONE



PANEL J SCALE: NONE



PANELS E3, E, & F SCALE: NONE



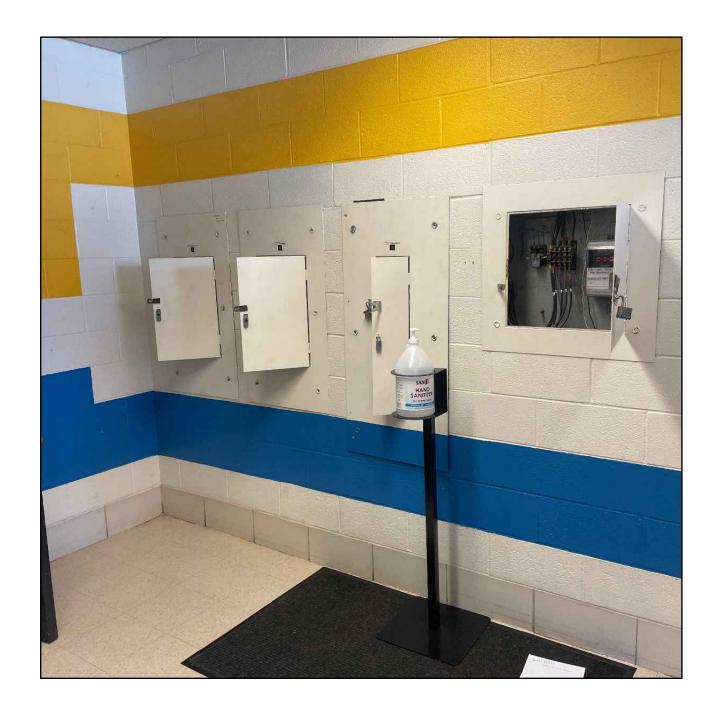


PANELS E2, C, & D SCALE: NONE

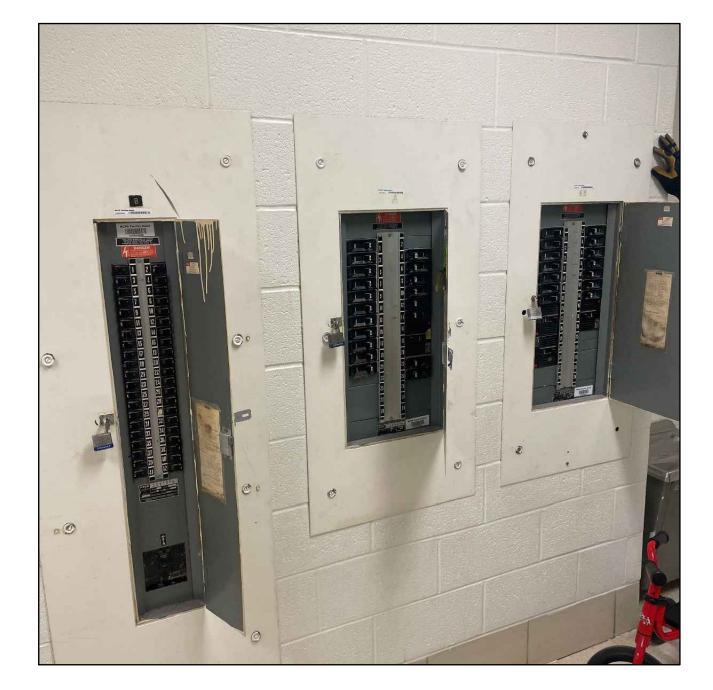


OLD SHED EQUIPMENT SCALE: NONE

PANEL E5 SCALE: NONE



PANELS E4, G, & H SCALE: NONE



PANELS E1, A, & B SCALE: NONE



REVISIONS	DESCRIPTION			
	NO. DATE			
"THIS DRAWING AND THE DESIGN	AND CONSTRUCTION FEATURES DISCLOSED ARE PROPRIETARY TO ALBAN ENGINEERING, INC. AND	SHALL NOT BE ALIERED OR REUSED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION	OF ALBAN ENGINEERING, INC. Copyright © 2022"	
"PROFESSIONAL CERTIFICATION. I	HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM	A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND,	LICENSE No. 51986, EXPIRATION DATE: 12–13–2023"	
		203 INTERNATIONAL CIRCLE, 303 INTERNATIONAL CIRCLE, SUITE 450 HINAT VALLEY AND 31020	ineering.com 410.842.6411	
			www.albanengineering.com	
TING PANEL PICTURES		OD ES - FEDERAL PACIFIC GEAR REPLACEMENT	SPRING, MD 20860	
NILSIXE PROJE MANA	ECT	CIOOMAJAK 2202 SE	SANDY	
DESIG		BSF		
-	BID	SET 3-2022	J	0