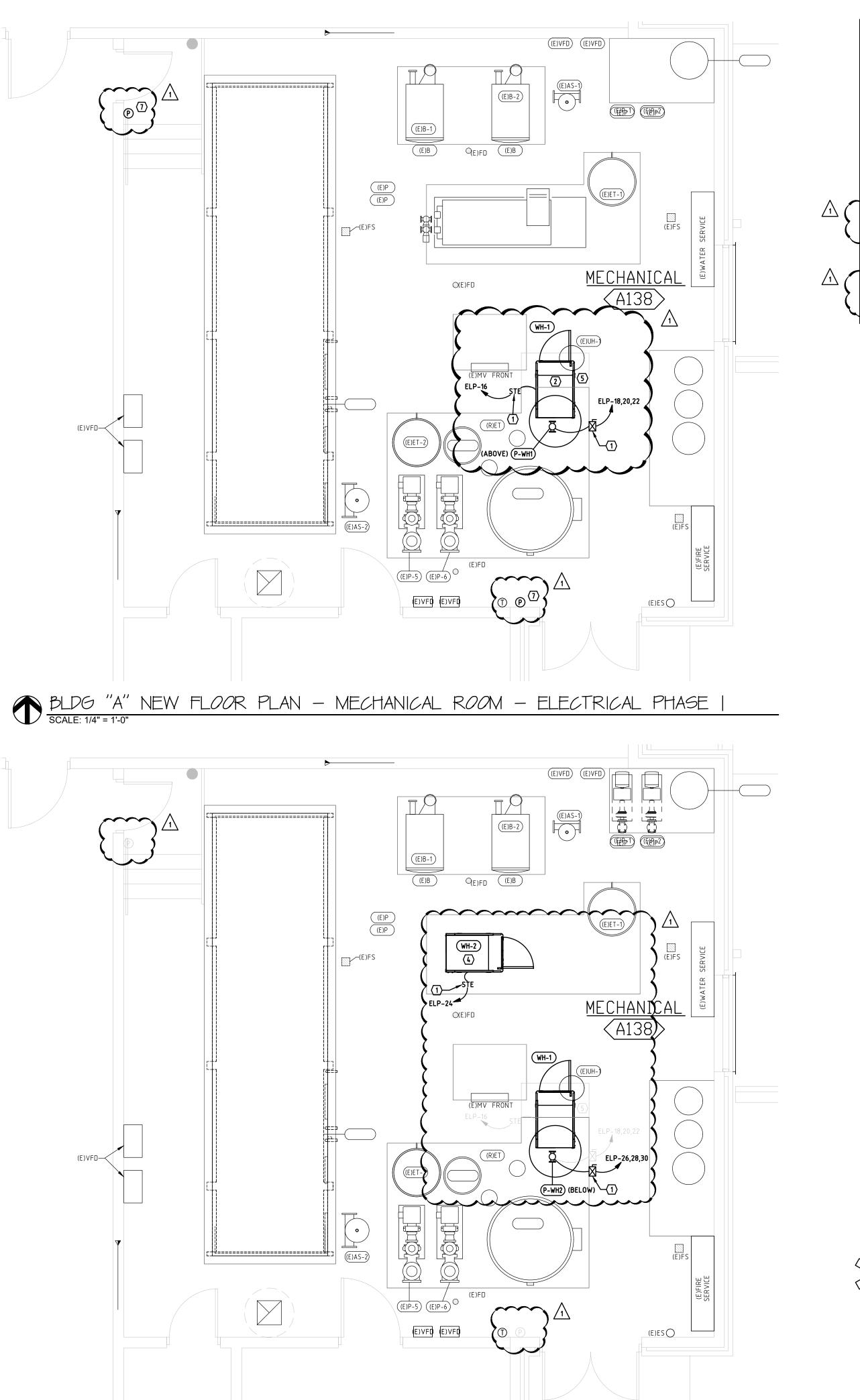


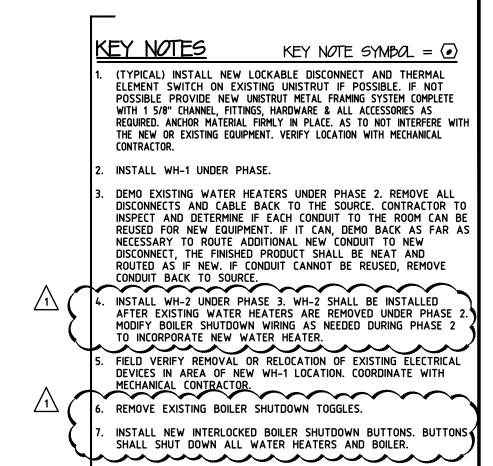
BLDG "A" DEMO FLOOR PLAN — MECHANICAL ROOM — ELECTRICAL PHASE 2

SCALE: 1/4" = 1'-0"



BLDG "A" NEW FLOOR PLAN - MECHANICAL ROOM - ELECTRICAL PHASE 3

SCALE: 1/4" = 1'-0"





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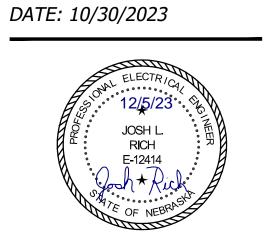
ADVANCED ENGINEERING SYSTEMS

PROJECT #: 23-095

NEBRASKA CORRECTIONAL CENTER
NOMEN - BUILDING A WATER HEATER
NORTH HALL BOILER REPLACEMENT

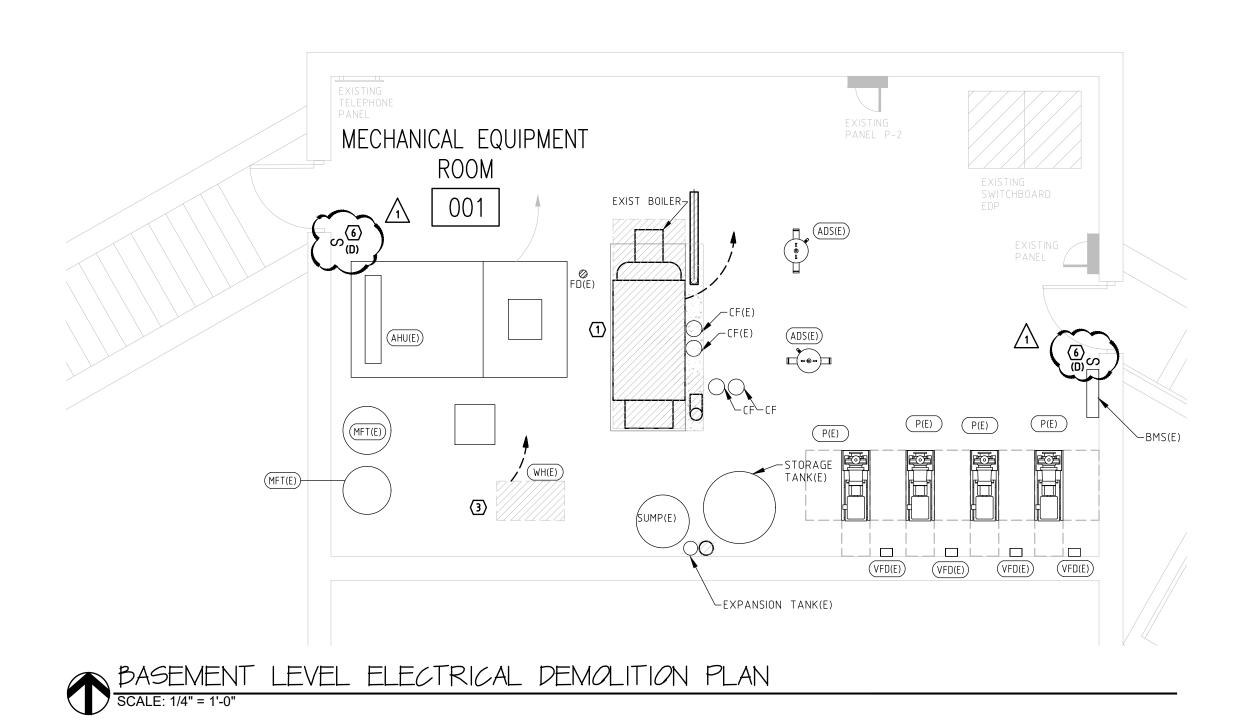
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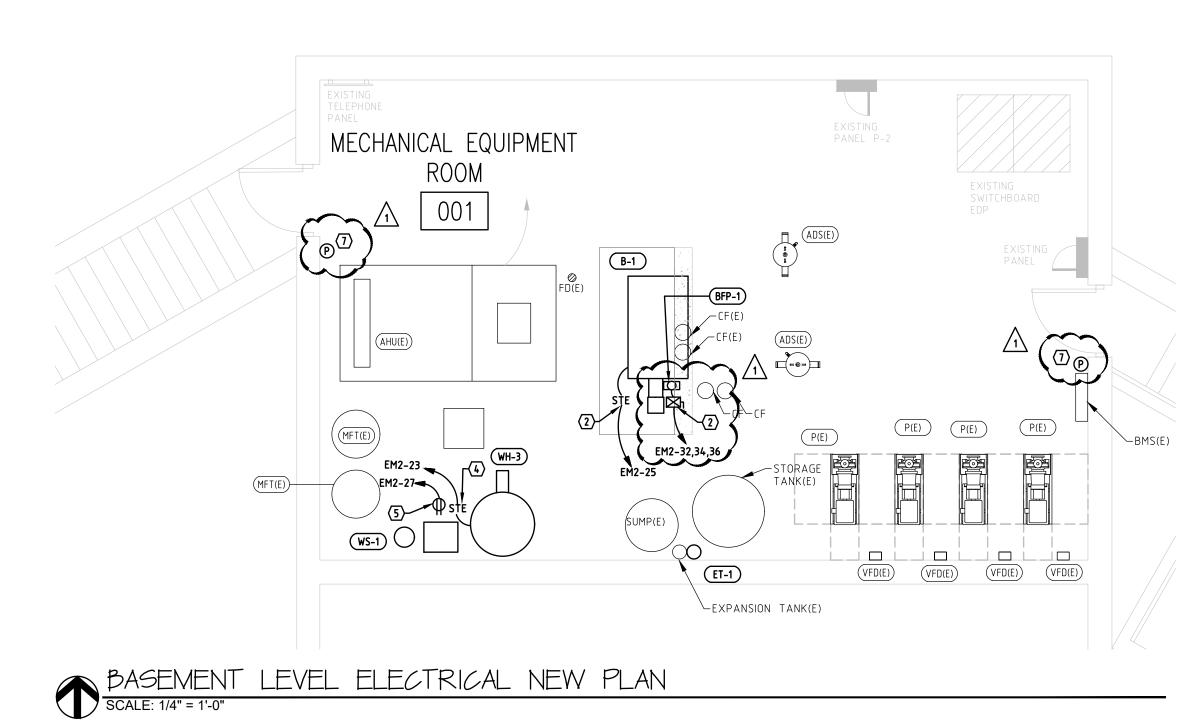
1 ADDENDUM #1 12-5-23



BLDG "A" NEW AND DEMOLITION FLOOR PLANS ELECTRICAL -MECHANICAL ROOM

E1.1





KEY NOT

KEY NOTE SYMBOL = 🕢

1. REMOVE EXISTING BOILER AND PUMP DISCONNECTS AND CABLE BACK TO THE SOURCE. CONTRACTOR TO INSPECT AND DETERMINE IF EACH CONDUIT TO THE ROOM CAN BE REUSED FOR NEW EQUIPMENT. IF IT CAN, DEMO BACK AS FAR AS NECESSARY TO ROUTE ADDITIONAL NEW CONDUIT TO NEW DISCONNECT, THE FINISH PRODUCT SHALL BE NEAT AND ROUTED AS IF NEW. IF CONDUIT CANNOT BE REUSED, REMOVE CONDUIT BACK TO SOURCE.

. (TYPICAL) INSTALL NEW LOCKABLE DISCONNECT AND THERMAL ELEMENT SWITCH ON EXISTING UNISTRUT IF POSSIBLE. IF NOT POSSIBLE PROVIDE NEW UNISTRUT AS TO NOT INTERFERE WITH THE EXISTING AND NEW EQUIPMENT. VERIFY LOCATION WITH MECHANICAL CONTRACTOR.

B. UNDER ALTERNATE #1 REMOVE EXISTING WATER HEATER DISCONNECTS AND CABLE BACK TO THE SOURCE. CONTRACTOR TO INSPECT AND DETERMINE IF EACH CONDUIT TO THE ROOM CAN BE REUSED FOR NEW EQUIPMENT. IF IT CAN, DEMO BACK AS FAR AS NECESSARY TO ROUTE ADDITIONAL NEW CONDUIT TO NEW THERMAL ELEMENT SWITCH. THE FINISH PRODUCT SHALL BE NEAT AND ROUTED AS IF NEW. IF CONDUIT CANNOT BE REUSED, REMOVE CONDUIT BACK TO SOURCE.

4. UNDER ALTERNATE ≠1 INSTALL NEW THERMAL ELEMENT SWITCH FOR WH-3 ON NEW UNISTRUT AS TO NOT INTERFERE WITH THE NEW OR EXISTING EQUIPMENT. VERIFY LOCATION WITH MECHANICAL CONTRACTOR.

5. UNDER ALTERNATE #2 INSTALL NEW RECEPTACLE FOR WATER SOFTENER ON NEW UNISTRUT METAL FRAMING SYSTEM COMPLETE WITH 1 5/8" CHANNEL, FITTINGS, HARDWARE & ALL ACCESSORIES AS REQUIRED. ANCHOR MATERIAL FIRMLY IN PLACE. AS TO NOT INTERFERE WITH THE NEW OR EXISTING EQUIPMENT. VERIFY LOCATION WITH MECHANICAL CONTRACTOR.

6. REMOVE EXISTING BOILER SHUTDOWN TOGGLES.

. INSTALL NEW INTERLOCKED BOILER SHUTDOWN BUTTONS.
BUTTONS SHALL SHUT DOWN ALL WATER HEATERS AND 9
BOILER.

BOILER.

FOR WOMEN - BUILDING A WATER HEAT!

& NORTH HALL BOILER REPLACEMENT

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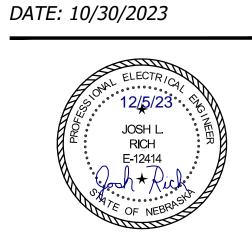
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(C) ADVANCED ENGINEERING SYSTEMS

PROJECT #: 23-095

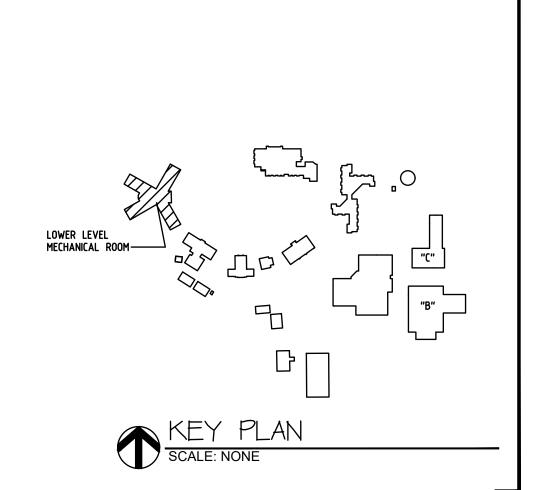
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NORTH HALL NEW AND DEMOLITION FLOOR PLANS ELECTRICAL -MECHANICAL ROOM

E1.2

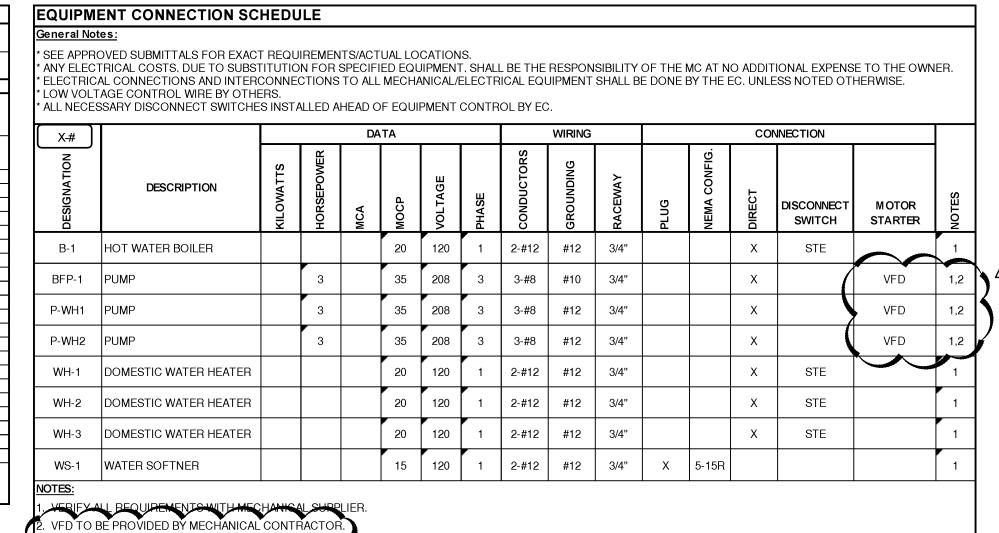


Main Rating 125		Interior		Voltage				Phase				Wire	KAIC	Mounting		
			MLO	120/208 3								4	22	SURFACE		
	al Notes PPER BU		RATED COPP	ER NEUTRAL												
NOICE	LTS	RCPT	M/LM/E/A/S	Circuit Description	AMP	Pole	СКТ	Phase	СКТ	Pole	AMP	Circuit Description	M/LM/E/A/S	RCPT	LTS	No.
	218			EXIST EMN LTS - AREA A	20	1	1	Α	2	1		EXIST FIRE/SMOKE DAMPER		1200		
		360		EXIST EM RECEPT - RM A143	20	1	3	В	4	1	20	EXIST FIRE/SMOKE DAMPER		1200		
		180		EXIST EM RECEPT - RM A139	20	1	5	С	6	1		EXIST SECURITY ELECTRONI		1200		
		1000		EXIST EM RECEPT - RM A140	20	1	7	Α	8	1	20	EXIST SECURITY ELECTRONI		1200		
		360		EXIST EM RECEPT - RM A140	20	1	9	В	10	1	20	EXIST SECURITY ELECTRONI		1200		
		360		EXIST EM RECEPT - RM A140	20	1	11	С	12	1	20	EXIST SECURITY ELECTRONI		1200		
		180		EXIST EM RECEPT - RM A153	20	1	13	Α	14	1	20	EXIST SECURITY ELECTRONI		1200		
		180		EXIST EM RECEPT - RM A156	20	1	15	В	16							
		500		EXIST RECEPT - RM A134 - RE		1	17	С	18							
		500		EXIST RECEPT - RM A106 - RE	20	1	19	Α	20							
		180		EXIST EM RECEPT - RMA116	20		21	В	22							
				EXIST B-1	20		23	С	24							
			E 1728	EXIST B-2	20		25	Α	26							
		900		EXIST EM RECEPT - RM A113,	20		27	В	28							
					20		29	С	30							
					20		31	A	32							
					20		33	В	34							
							35	C	36 38							
							37	A								
							39 41	B C	40 42							
tes:							41		42							

Main Rating 125		Interior MLO		Voltage				Phase				Wire	KAIC	Mounting				
				120/208				3				4	22	SURFACE				
COF	PER BU	JS/100%	RATED COPP	ER NEUTRAL												_		
Notes	LTS	RCPT	M/LM/E/A/S	Circuit Description	AMP	Pole	скт	Phase	СКТ	Pole	AMP	Circuit Description	M/LM/E/A/S	RCPT	LTS			
1	218			EXIST EMN LTS - AREA A	20	1	1	Α	2	1	20	EXIST FIRE/SMOKE DAMPER		1200				
1		360		EXIST EM RECEPT - RM A143	20	1	3	В	4	1	20	EXIST FIRE/SMOKE DAMPER		1200				
1		180		EXIST EM RECEPT - RM A139	20	1	5	С	6	1	20	EXIST SECURITY ELECTRONI		1200				
1		1000		EXIST EM RECEPT - RM A140	20	1	7	Α	8	1		EXIST SECURITY ELECTRONI		1200				
1		360		EXIST EM RECEPT - RM A140	20	1	9	В	10	1	20	EXIST SECURITY ELECTRONI		1200		Γ		
1		360		EXIST EM RECEPT - RM A140	20	1	11	С	12	1	20	EXIST SECURITY ELECTRONI		1200		Γ		
1		180		EXIST EM RECEPT - RM A153	20	1	13	Α	14	1	20	EXIST SECURITY ELECTRONI		1200		Γ		
1		180		EXIST EM RECEPT - RM A156	20	1	15	В	16	1	20	NEW WH-1	E 500			Γ		
1		500		EXIST RECEPT - RM A134 - RE	20	1	17	С	18	3	20	NEW P-WH-1	E 300			Г		
1		500		EXIST RECEPT - RM A106 - RE	20	1	19	Α	20				E 300			Γ		
1		180		EXIST EM RECEPT - RMA116	20		21	В	22				E 300			Г		
1			E 1728	EXIST B-1	20		23	С	24	1	20	NEW WH-2	E 500			Γ		
1			E 1728	EXIST B-2	20		25	Α	26	3	20	NEW P-WH-2	E 300			Τ		
1		900		EXIST EM RECEPT - RM A113,	20		27	В	28				E 300			Γ		
					20		29	С	30				E 300			Γ		
					20		31	Α	32							Γ		
					20		33	В	34							Γ		
							35	С	36							Γ		
							37	Α	38							ſ		
							39	В	40									
							41	С	42							\prod		

Main Rating 225		Interior MLO		Voltage				Phase				Wire	KAIC	Mounting SURFACE		
				120/208				3				4	22			
	I l Notes PER BU		RATED COPP	ER NEUTRAL												
Notes	LTS	RCPT	M/LM/E/A/S	Circuit Description		Pole	СКТ	Phase	СКТ	Pole		-	M/LM/E/A/S	RCPT	LTS	Notes
				EXIST. FCU RMS. 16-18	20	1_	1	A	2	3	35	EXIST. PUMP #1				
				EXIST. FCU RMS. 13-15	20	1	3	В	4							
				EXIST. MECH. RM. EM LTS	20	1	5 7	C	6 8		0.5	EVIOT DUMP III				
				EXIST. FCU RMS. 18-22 EXIST. FCU RMS. 23-25	20 20	1	9	B	10	3	35	EXIST. PUMP #2				
				EXIST. FCU RMS 7-9	20	1	11	C	12							
				EXIST. FOO TIME 7-9	20	1	13	A	14	3	35	EXIST. PUMP#3				
				EXIST. FCU RMS 10-12	20	1	15	В	16		- 00	EXICT. I GIVIII I/G				
				EXIST. FCU RMS. 4-6	20	1	17	С	18							
					20	1	19	Α	20	3	35	EXIST. PUMP#4				
				EXIST. FCU OFFICE/RMS. 1-3	20		21	В	22							
					20		23	С	24							
					20		25	A	26	30	1	EXIST. BOILER PUMP				
					20		27 29	B	28 30	20	1	EXIST. GLYCOL TANKS				
					20 20		31	A	32	20 20	1	EXIST. RECEPT CONTROL ST				
					20		33	B	34	20	1					
					20		35	C	36	20	<u> </u>					
					20		37	Α	38	20	1					
					20		39	В	40	20	1					
					20		41	С	42	20	1					

Main I	Rating	ı	nterior	Voltage				Phase				Wire	KAIC	N	<i>l</i> lountir
22	25		MLO	120/208				3				4	22	5	SURFAC
	Al Notes PPER BU		RATED COPP	ER NEUTRAL											
Notes	LTS	RCPT	M/LM/E/A/S	Circuit Description	AMP	Pole	СКТ	Phase		Pole	АМР	Circuit Description	M/LM/E/A/S	RCPT	LTS
				EXIST. FCU RMS. 16-18	20	1	1	A	2	3	35	EXIST. PUMP #1			
				EXIST. FCU RMS. 13-15	20	1	3	В	4						
				EXIST. MECH. RM. EM LTS	20	1	5 7	C	6 8	_	0.5	EVIOT DUBAD 40			
				EXIST. FCU RMS. 18-22 EXIST. FCU RMS. 23-25	20 20	1	9	B	10	3	35	EXIST. PUMP #2			
				EXIST. FCU RMS 7-9	20	 	11	C	12						
				EXIST: 1 OO TIMO 1-9	20	1	13	A	14	3	35	EXIST. PUMP#3			
				EXIST. FCU RMS 10-12	20	1	15	В	16	Ť		LATER TOWN WE			
				EXIST. FCU RMS. 4-6	20	1	17	С	18						
					20	1	19	Α	20	3	35	EXIST. PUMP#4			
				EXIST. FCU OFFICE/RMS. 1-3		1	21	В	22						
1				NEW WH-3	20	1	23	С	24						
1				NEW B-05PT, WO 4	20	1 1	25 27	A B	26 28	30	1	SPARE TANKS			
1				NEW RECEPT. WS-1	15 20	l	29	C	30	20 20	1	EXIST. GLYCOL TANKS EXIST. RECEPT CONTROL ST			
					20		31	A	32	35	3	NEW BFP-1			
					20		33	В	34	00	–	NEW BIT T			
					20		35	С	36						
					20		37	Α	38	20	1				
					20		39	В	40	20	1				
					20		41	С	42	20	1				



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CERTIFICATE OF AUTHORIZATION #CA1800

PROJECT #: 23-095

NAL CENTER WATER HEATER EPLACEMENT

No. Issued For Date 1 ADDENDUM #1 12-5-2

ELECTRICAL SCHEDULES

E2.1