MECHANICAL HEATING & AIR CONDITIONING -PROJECT-

AREA OF CONSTRUCTION

INDEX OF DRAWINGS

M-1	MECHANICAL PIPING 1ST FLOOR	
M-2	MECHANICAL PIPING 2ND FLOOR	
M-3	LEGEND AND DETAILS	
E-1	ELECTRICAL 1st & 2nd FLOOR	
E-2	ELECTRICAL DETAILS	
P-1	PLUMBING 1st & 2nd Floor	

- MAINE FOREST SERVICE -

AUGUSTA REGIONAL HEADQUARTERS AUGUST, ME



GOOGLE MAP IMAGE

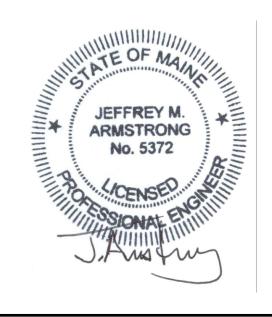
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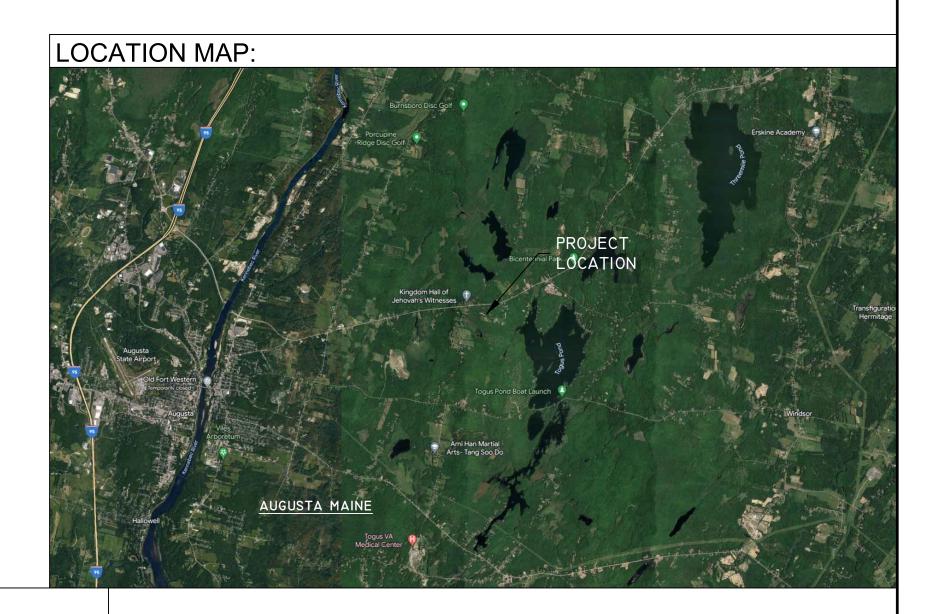


Armstrong Engineering

Mechanical Electrical Design Consultants 94 Presque Isle Street, Fort Fairfield, Maine 04742 Phone: (207) 473-7117 Fax: (207) 476-5621

ENGINEER OF RECORD:





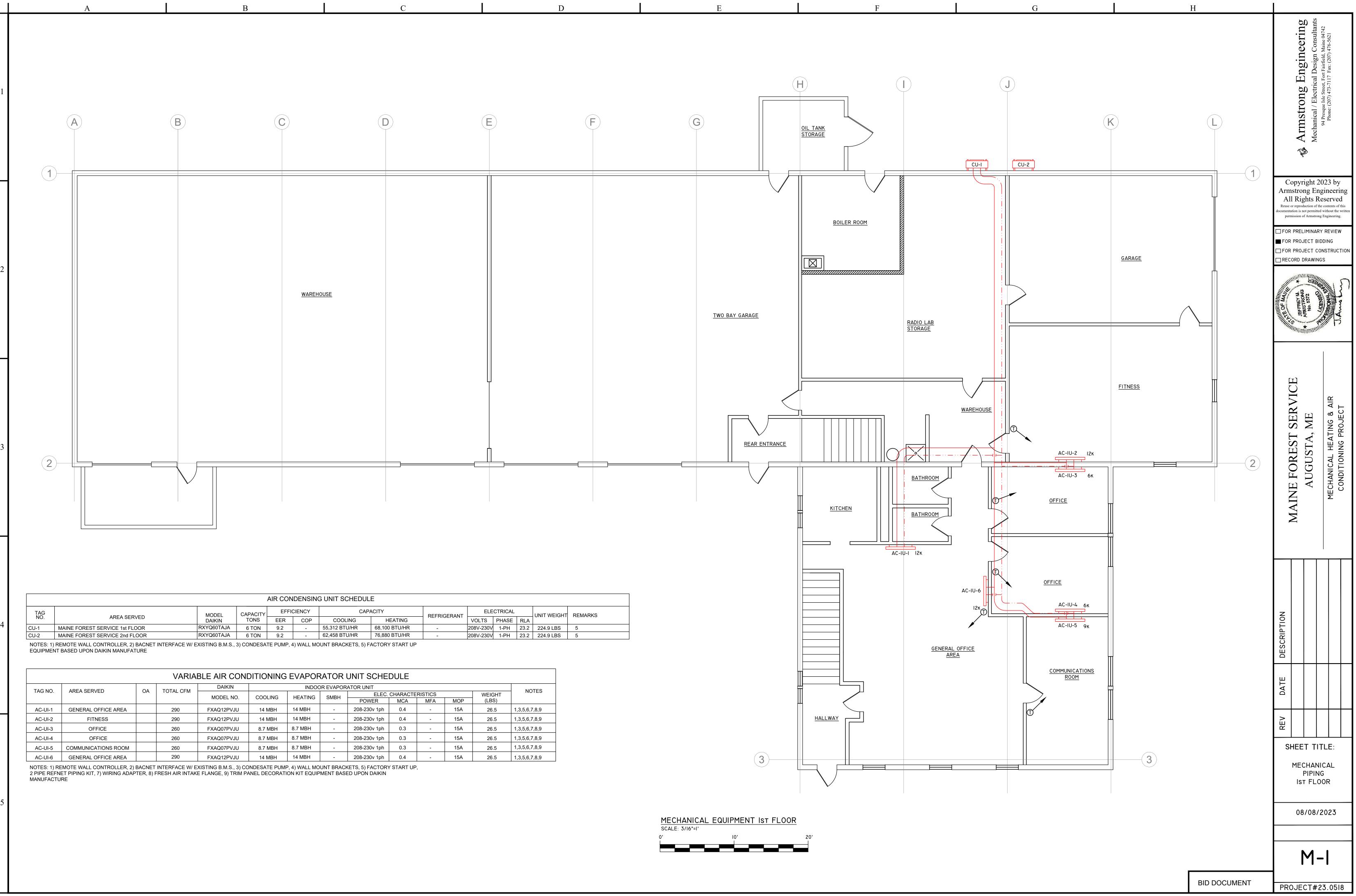
For Project Bidding

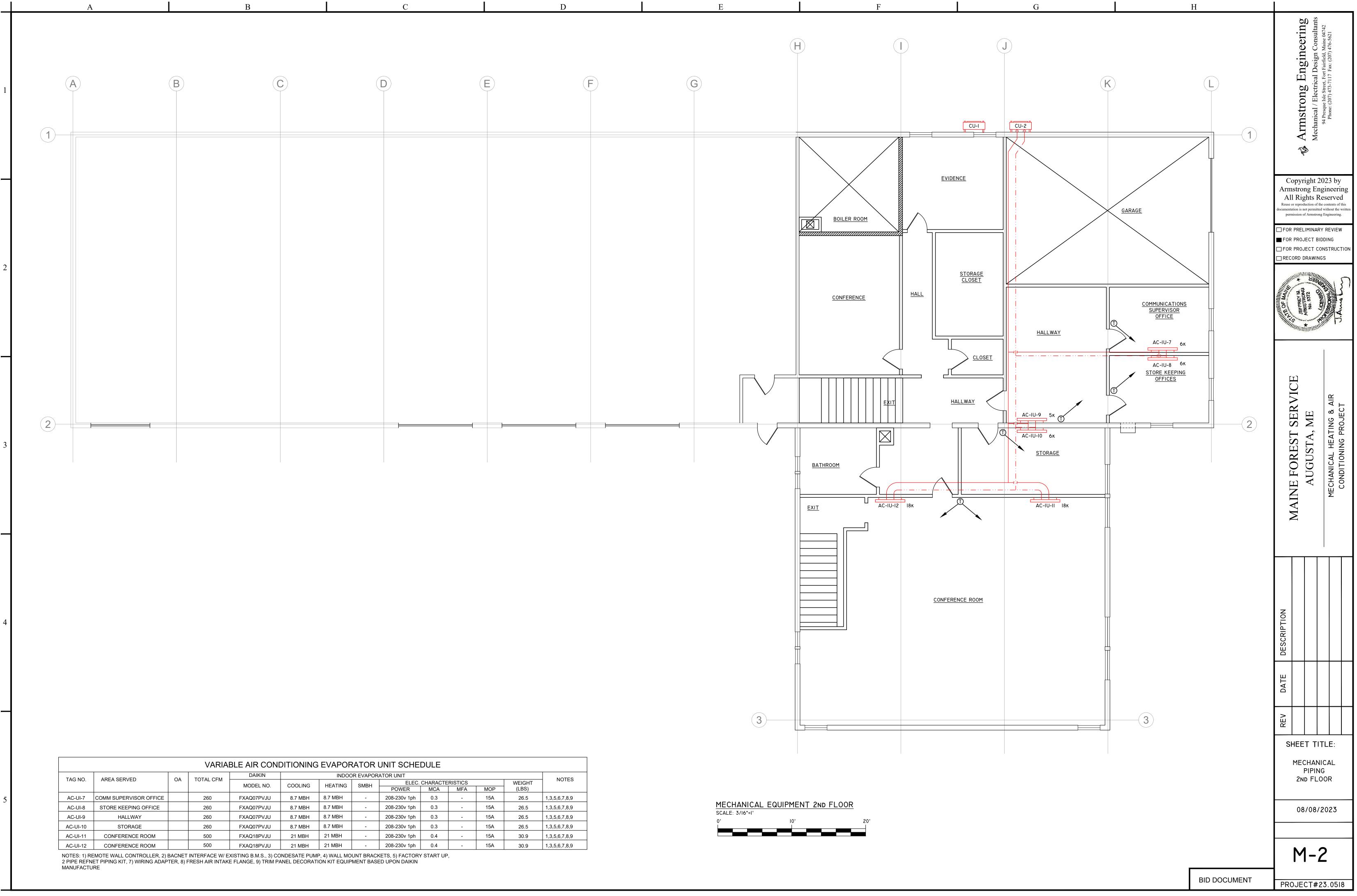
DATE: 08/08/2023

OWNER:

STATE OF MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION, FORESTRY

A.E. PROJECT: # 23.05.18 B.S.A. PROJECT: # BGS 3614





INDOOR EVAPORATOR UNIT						DAIKIN						
ELEC. CHARACTERISTIC			SMBH	HEATING	COOLING	MODEL NO.	TOTAL CFM	OA	AREA SERVED	TAG NO.		
MF	MCA	POWER		HEATING	COCEINO	MODEL NO.						
	0.3	208-230v 1ph	-	8.7 MBH	8.7 MBH	FXAQ07PVJU	260		COMM SUPERVISOR OFFICE	AC-UI-7		
	0.3	208-230v 1ph	-	8.7 MBH	8.7 MBH	FXAQ07PVJU	260		STORE KEEPING OFFICE	AC-UI-8		
-	0.3	208-230v 1ph	-	8.7 MBH	8.7 MBH	FXAQ07PVJU	260		HALLWAY	AC-UI-9		
	0.3	208-230v 1ph	-	8.7 MBH	8.7 MBH	FXAQ07PVJU	260		STORAGE	AC-UI-10		
-	0.4	208-230v 1ph	-	21 MBH	21 MBH	FXAQ18PVJU	500		CONFERENCE ROOM	AC-UI-11		
-	0.4	208-230v 1ph	-	21 MBH	21 MBH	FXAQ18PVJU	500		CONFERENCE ROOM	AC-UI-12		

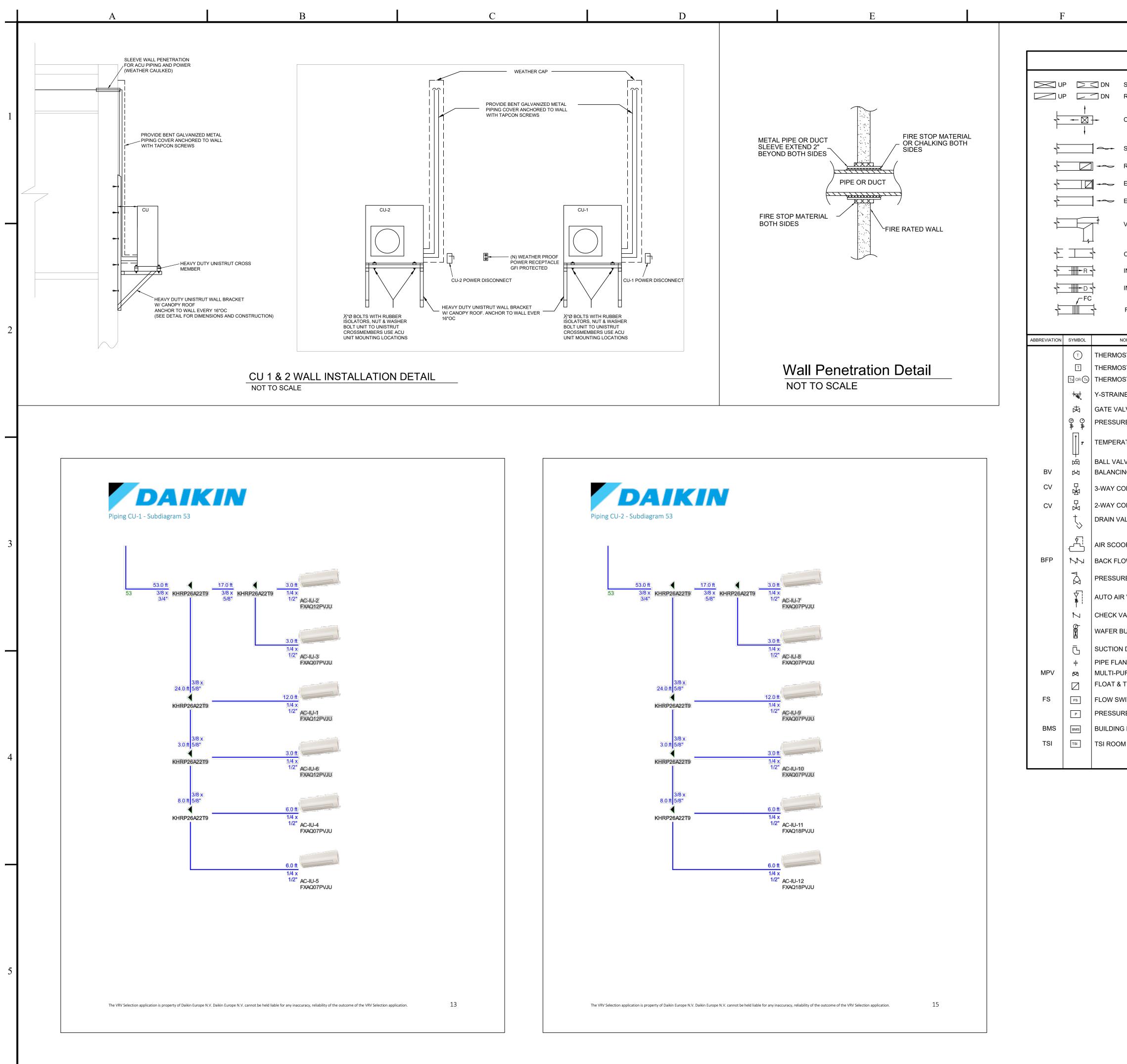


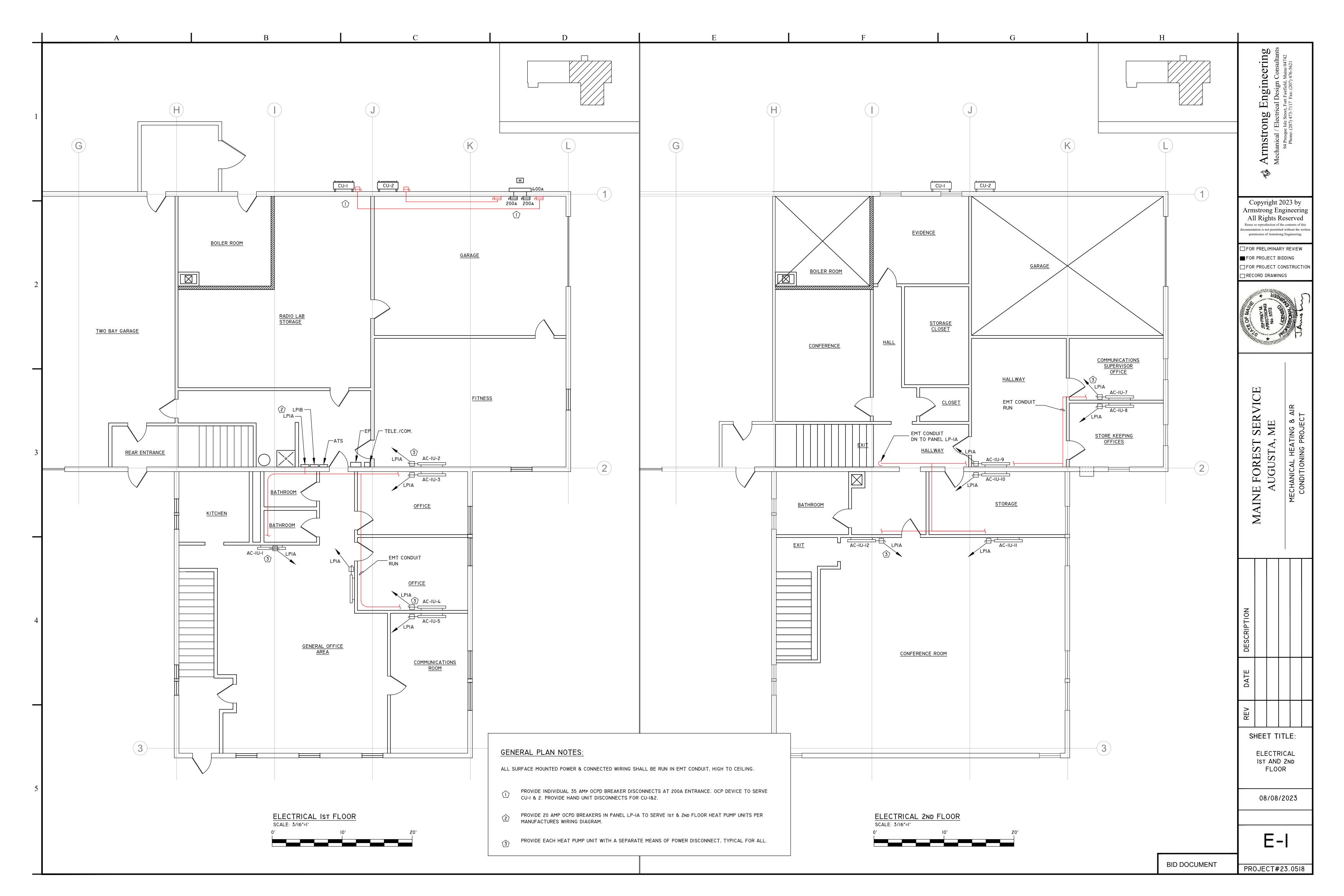
		Image: Supply Duct (UP & DOWN) Image: DN RETURN OR EXHAUST DUCT (UP Image: DN RETURN OR EXHAUST DUCT (UP Image: DN CEILING DIFFUSERS Image: DN SUPPLY TOP REGISTER OR GRIL Image: DN RETURN OR EXHAUST CEILING F Image: DN EXHAUST BOTTOM REGISTER OF Image: DN EXHAUST OR RETURN TOP OF R Image: DN VANE TURN ELBOW & AIR SPLIT	& DOWN) L (WALL TY REGISTER O R GRILL (WA EGISTER GI	PE)		NEW DUCT - WIDTH X DEPTH EXISTING DUCT TO REMAIN EXISTING DUCT TO BE REMOVED LOUVER ACOUSTICAL DUCT LINING MANUAL VOLUME DAMPER FIRE DAMPER SMOKE DAMPER	Armstrong	Mechanical / Electrical Design Consultants 94 Presque Isle Street, Fort Fairfield, Maine 04742 Phone: (207) 473-7117 Fax: (207) 476-5621
		CONNECT NEW DUCT TO EXISTIN	F AIR FLOW		WS WITH VA	NES EVEN IF SYMBOL IS MISSING) SHORT RADIUS)	Reuse or reproduc ocumentation is not permission of A FOR PRELIN FOR PROJE	tion of the contents of this permitted without the written Armstrong Engineering. INARY REVIEW CT BIDDING CT CONSTRUCTION
ABBREVIATION	SYMBOL T T S OR T S T S C T S C S S C S S C S S C S S C S S C S S C S S C S S C S S C S S C S S S S S S S S S S S S S	Y-STRAINER W/DRAIN VALVE & CAP GATE VALVE	ABBREVIATION FD MOD EF EA EG ACU AHU	NOMENCLATURE FIRE DAMPER MOTOR OPERATED DAMPER EXHAUST FAN EXHAUST AIR EXHAUST GRILL AIR CONDENSING UNIT AIR HANDLING UNIT	ABBREVIATION DHWR HWS HWR NO NC RT CWG	NOMENCLATURE DOMESTIC HOT WATER RETURN HOT WATER SUPPLY HOT WATER RETURN NORMALLY OPEN NORMALLY CLOSED RETENTION TANK CHILLED WATER GENERATOR	 LEFTREVIL	
BV CV CV BFP MPV FS		PRESSURE GAUGE W/SHUT COCK TEMPERATURE GAUGE BALL VALVE BALANCING VALVE BALANCING VALVE 3-WAY CONTROL VALVE 2-WAY CONTROL VALVE DRAIN VALVE AIR SCOOP W/ AIR VENT BACK FLOW PREVENTER PRESSURE REGULATOR AUTO AIR VENT W/ SHUT COCK CHECK VALVE WAFER BUTTERFLY VALVE SUCTION DIFFUSER PIPE FLANGE CONNECTION MULTI-PURPOSE VALVE FLOAT & THERMOSTATIC STEAM TRAP FLOW SWITCH PRESSURE SWITCH	HRU RTU CUH (E) (N) VAV SG SA RA RG RF FD SW V LAV UR WC EWC UCWH SK HB CO DHW DCW HUM WDB DCW	HEAT RECOVERY UNIT ROOF TOP UNIT CABINET UNIT HEATER EXISTING NEW VARIABLE AIR VOLUME BOX SUPPLY GRILL SUPPLY AIR RETURN AIR RETURN GRILL RETURN FAN FLOOR DRAIN SANITARY WASTE VENT LAVATORY URINAL WATER CLOSET ELECTRIC WATER COOLER UNDER COUNTER WATER HEATER SINK HOSE BIB CLEAN OUT DOMESTIC HOT WATER HUMIDIFIER WATER DRAIN BASIN DOMESTIC COLD WATER	CP ET BLR A.F.F. USWJ FOR FOS TYP GPM CFM CWS CWR VD UH COND INV AD CW-CP EEP MDP VFD ATC A.L. O.W.S.J. AC CU MD	CIRCULATOR PUMP EXPANSION TANK BOILER ABOVE FINISHED FLOOR UNDER STEEL WEB JOIST FUEL OIL RETURN FUEL OIL SUPPLY TYPICAL GALLONS PER MINUTE CUBIC FEET PER MINUTE CHILLED WATER SUPPLY CHILLED WATER RETURN VOLUME DAMPER UNIT HEATER CONDENSATE INVERT ACCESS DOOR CHILLED WATER CIRCULATING pump EMERGENCY POWER PANEL MAIN DISTRIBUTION PANEL VARIABLE FREQUENCY DRIVE AUTOMATIC TEMPERATURE CONTROL ACOUSTICAL DUCT LINER OPEN WEB STEEL JOIST AIR CONDITIONING EVAPORATOR AIR CONDENSING UNIT MOTION DETECTOR		AUGUDIA, ME MECHANICAL HEATING & AIR CONDITIONING PROJECT
BMS TSI	BMS TSI	BUILDING MANAGEMENT SYSTEM					DESCRIPTION	
							DATE	
							MECH P DIA AND I	TITLE: HANICAL IPING GRAMS LEGENDS 08/2023
						BID DOCUMENT		-3 T#23.0518

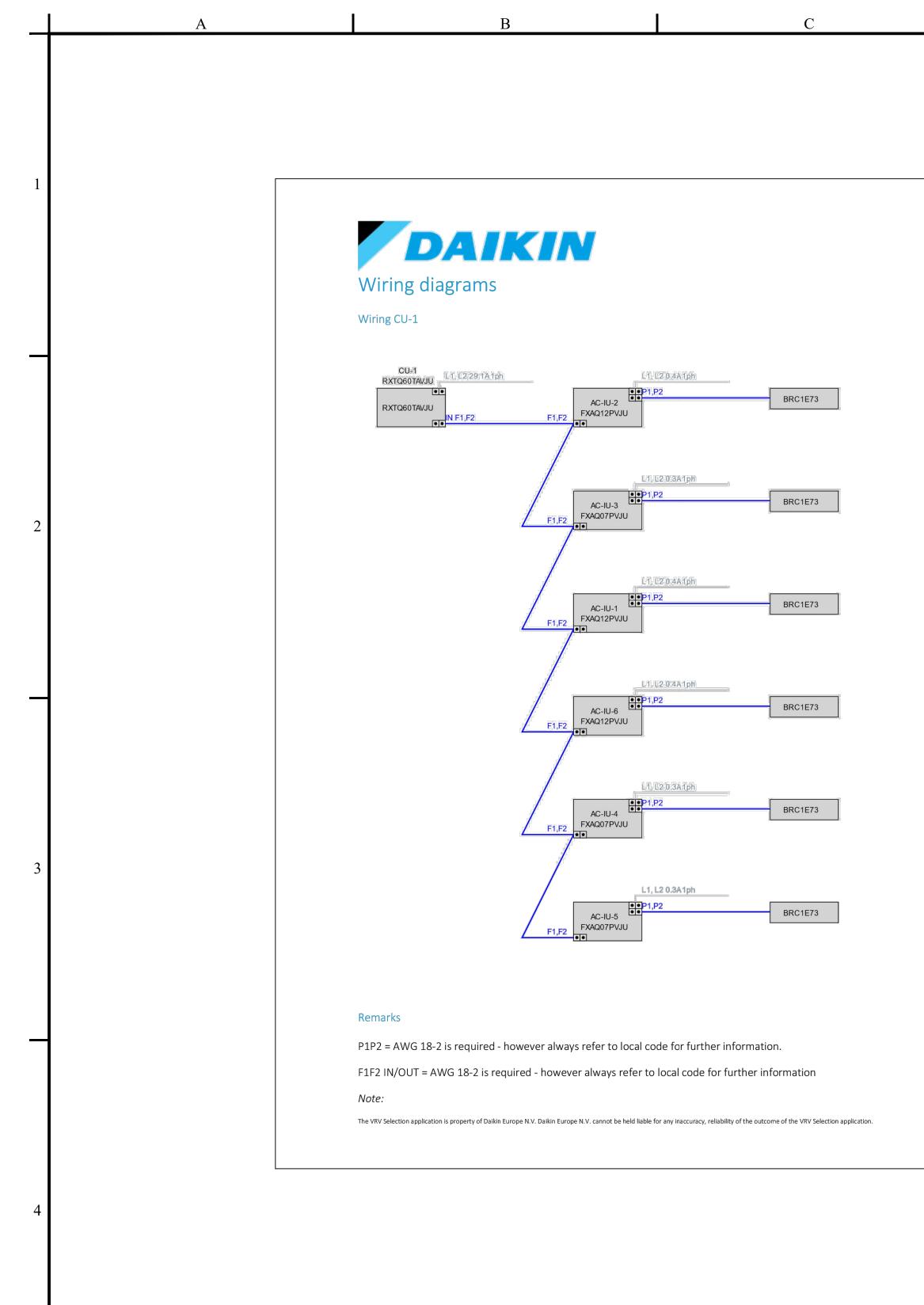
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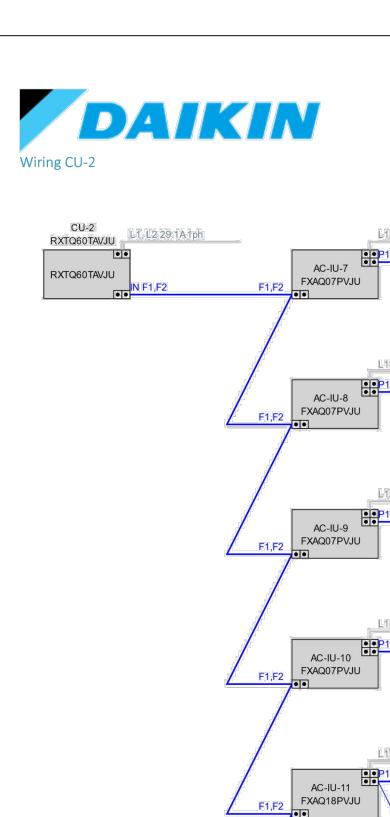
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PROJECT#23.0518









Remarks

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Intermediation Intermediation Intermediation Intermedia	Wiring CU-2					
Image: Section Control Contro Control Control Conteneeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee	RXTQ60TAVJU RXTQ60TAVJU IN F1,F2 F1,F	AC-IU-7 FXAQ07PVJU •• AC-IU-7 FXAQ07PVJU •• AC-IU-8 FXAQ07PVJU •• E1,P2 AC-IU-8 FXAQ07PVJU ••				Armstrong Engineering All Rights Reserved Reuse or reproduction of the contents of this documentation is not permitted without the written permission of Armstrong Engineering.
Production Productio Productio Productio Productio Productio		2 FXAQ07PVJU ■ L1,E2:0:3A1ph L1,E2:0:3A1ph AC-IU-10 FXAQ07PVJU ■ E1,E2 E1,E2 ■ E1,E2	BRC1E73			CE
	F1,F	AC-IU-12 FXAQ18PVJU				E FOREST SER AUGUSTA, ME chanical heating & conditioning project
H H H H H H	F1F2 IN/OUT = AWG 18-2 is required - howe	ever always refer to local code for f	further information	18		
BID DOCUMENT						DATE
						SHEET TITLE: ELECTRICAL
					BID DOCUMENT	

