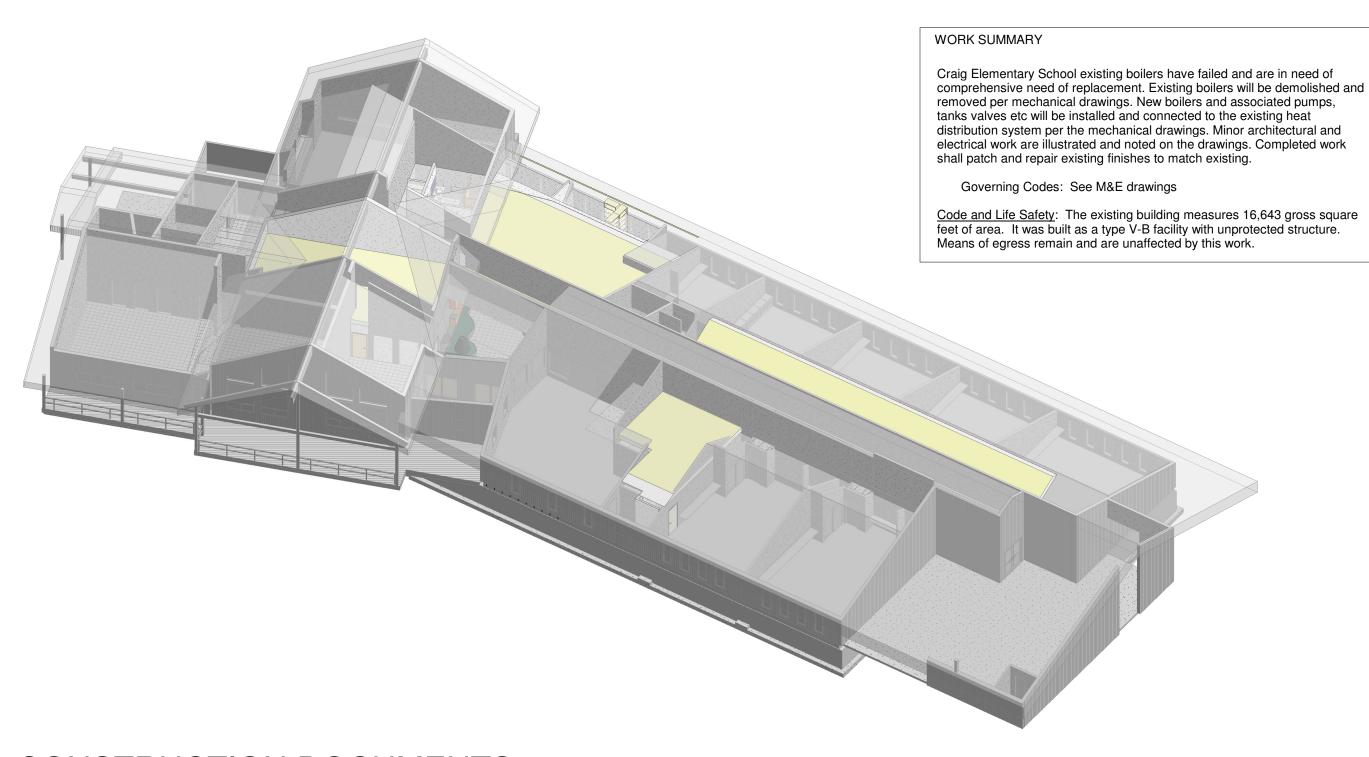
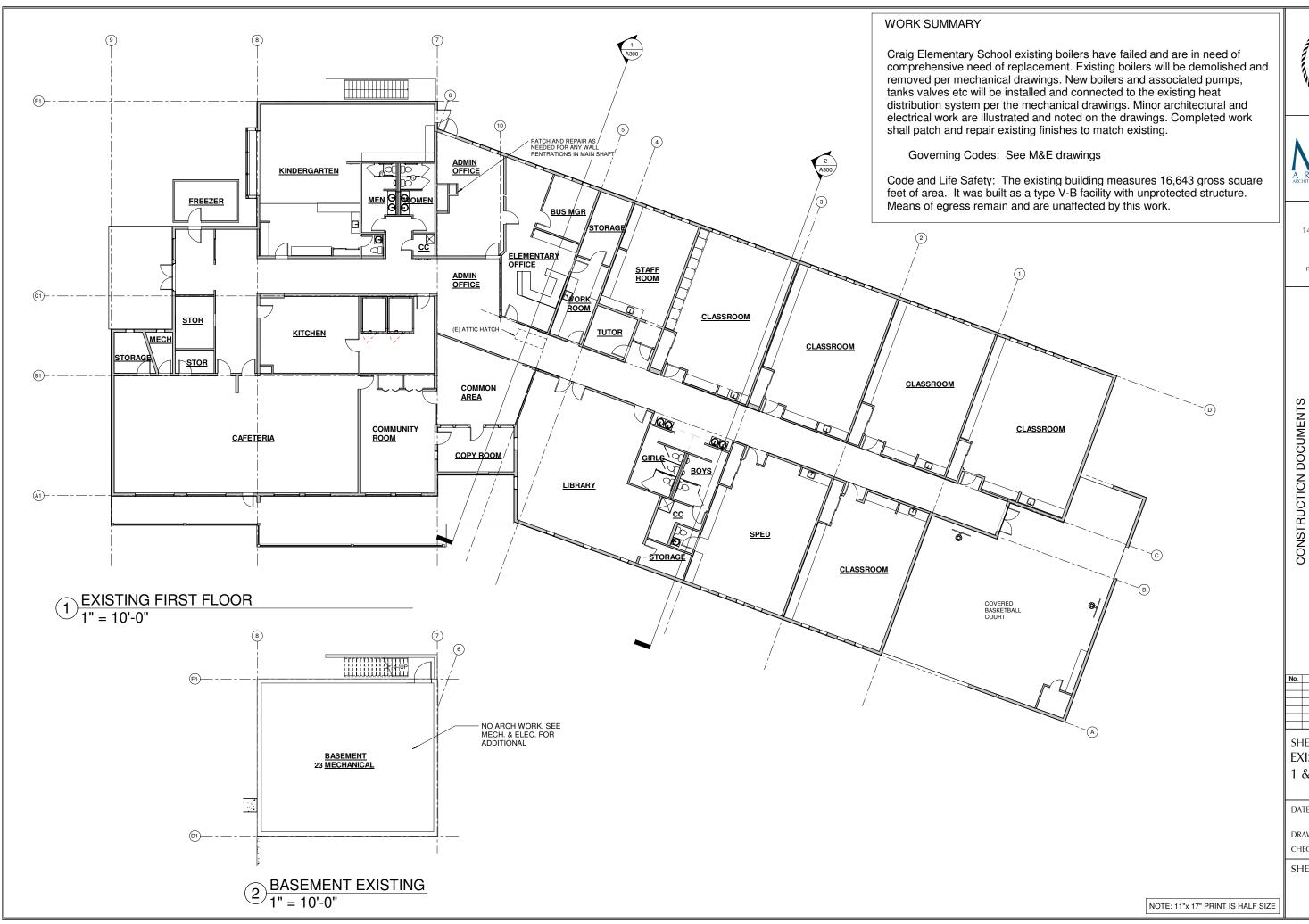
CRAIG ELEM SCHOOL BOILER UPGRADES

For CRAIG SCHOOL DISTRICT









MRV ARCHITECTS 1420 GLACIER AVE. #101 JUNEAU, AK 99801 907-586-1371 FAX 907-463-5544 mrv@mrvarchitects.com

CRAIG ELEM SCHOOL BOILER

CRAIG SCHOOL DISTRICT

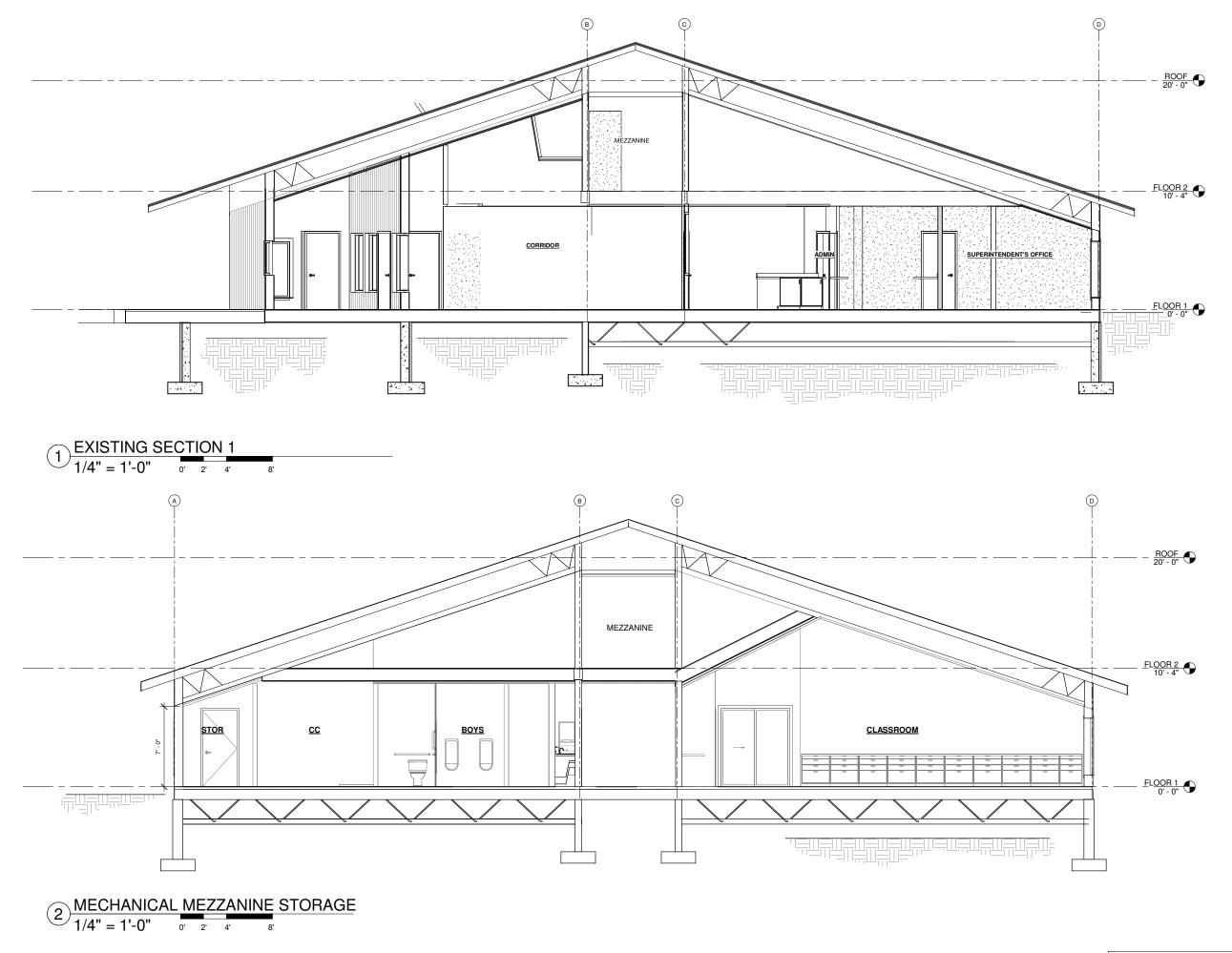
SHEET TITLE: **EXISTING FLOOR** 1 & BASEMENT

DRAWN: CHECKED:

SHEET NO.

A101

7.14.2023







MRV ARCHITECTS 1420 GLACIER AVE. #101 JUNEAU, AK 99801 907-586-1371 FAX 907-463-5544 mrv@mrvarchitects.com

CRAIG ELEM SCHOOL BOILER

CONSTRUCTION DOCUMENTS

CRAIG SCHOOL DISTRICT **UPGRADES**

Description SHEET TITLE: BUILDING

DATE:

SECTIONS

DRAWN: CHECKED:

SHEET NO.

A300

7.14.2023

SECTION SYMBOL

MATCHLINE VIEW REFERENCE

- DETAIL IDENTIFICATION 1/M-102A

- DRAWING ON WHICH SECTION IS SHOWN

EQUIPMENT TAG

ROOM NAME AND

SHEET KEYNOTE

NUMBER DESIGNATION

ROOM NAME $\langle 1 \rangle$

X-1

GENERAL SHEET NOTE

POINT OF CONNECTION

NORTH ARROW

CONSTRUCTION PHASE LINESTYLE

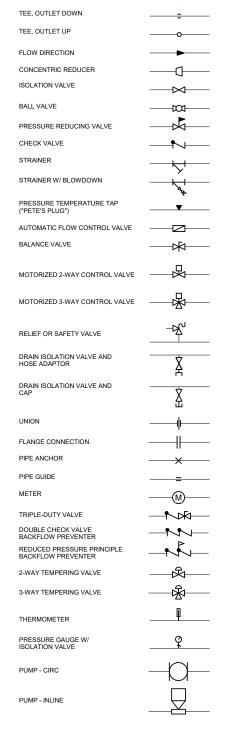
TO BE DEMOLISHED OR RELOCATED	
EXISTING TO REMAIN	
NEW	

	SHEET LIST - MECHANICAL
SHEET NUMBER	SHEET NAME
M001	LEGENDS AND ABBREVIATIONS
M002	SCHEDULES
M130	BASEMENT HVAC PLAN
M131	MAIN FLOOR HVAC PLAN
M401	ENLARGED BASEMENT PLAN
M601	HYDRONIC DETAILS
M602	PIPING DETAILS

PIPE FITTINGS & VALVES

ELBOW, TURNED DOWN

ELBOW, TURNED UP



VENTU ATION

DUCT (1ST FIGURE, SIDE SHOWN	19"\\
DUCT (1ST FIGURE, SIDE SHOWN 2ND FIGURE, SIDE NOT SHOWN)	7 18"X12"
DIRECTION OF FLOW	
DUCT WITH INSULATION	
DUCT WITH SOUND LINING	
SUPPLY DUCT SECTION	(UP) (DN) > <
RETURN DUCT SECTION	(UP) (DN)
EXHAUST DUCT SECTION	(UP) (DN)
SUPPLY REGISTER. GRILLE, OR DIFFUSER	
RETURN REGISTER. GRILLE, OR DIFFUSER	+-
EXHAUST REGISTER, GRILLE OR DIFFUSER	→ □ → □ →
FLEXIBLE CONNECTIONS	
<u>V</u> OLUME <u>D</u> AMPER	VD ▼
TURNING VANES	[ccc]
DUCT SMOKE DETECTOR	SM
CARBON DIOXIDE	©
PRESSURE SENSOR	P)
TEMPERATURE SENSOR	$\widehat{\mathbb{T}}$
HUMIDITY SENSOR	Θ
	$\mathbf{\circ}$

ABB	REVIATIONS		
ACFM	ACTUAL CUBIC FEET PER MINUTE	IP	INJECTION PUMP
ACT	ACOUSTICAL CEILING TILE	LV	LOUVER
AFF	ABOVE FINISHED FLOOR	LF	LINEAL FEET
AHAP	AS HIGH AS POSSIBLE	LP	LIQUEFIED PROPANE
AHU	AIR HANDLING UNIT	LV	LAVATORY
APPROX AS	APPROXIMATE AIR SEPARATOR	LVG LWT	LEAVING
BB	BASE BOARD HEATER	MAX	LEAVING WATER TEMPERATURE MAXIMUM
BTU	BRITISH THERMAL UNIT	MBH	THOUSAND BTU'S PER HOUR
CA	COMPRESSED AIR	MIN	MINIMUM
CD	CONDENSATE DRAIN	MISC	MISCELLANEOUS
CFM	CUBIC FEET PER MINUTE	MBD	MULTIBLADE DAMPER
CIRC	CIRCULATION	NC	NORMALLY CLOSED
CH CLNG	CHILLER CEILING	NO NO.	NORMALLY OPEN NUMBER
CO2	CARBON DIOXIDE	OA	OUTSIDE AIR
CONT	CONTINUATION, CONTINUED	OC	ON CENTER
CP	CIRCULATING PUMP	OSA	OUTSIDE AIR SUPPLY
CU	COPPER	P	PROPANE
CW	COLD WATER	PD	PRESSURE DROP
(D)	DEMOLISH	PDI	PLUMBING & DRAINAGE INSTITUTE
DCP	DOMESTIC CIRCULATING PUMP	PH	PHASE
DDC DF	DIRECT DIGITAL CONTROLS DRINKING FOUNTAIN	POC PSIG	POINT OF CONNECTION POUNDS PER SQUARE INCH GAUGE
DIA	DIAMETER	PSI	POUNDS PER SQUARE INCH GAUGE
DHWC	DOMESTIC HOT WATER CIRC	PW	PUMPED WASTE
DN	DOWN	RA	RETURN AIR
(E)	EXISTING	RD	ROOF DRAIN
ĖÁ	EXHAUST AIR	RECIRC	RECIRCULATION
EBB	ELECTRIC BASEBOARD	RL	RAINLEADER
EF	EXHAUST FAN	RPBP	REDUCED PRESSURE ZONE
ENT FT	ENTERING EXPANSION TANK	R7	BACKFLOW PREVENTER RADIANT ZONE
ESP	EXTERNAL STATIC PRESSURE	SA	SUPPLY AIR
EWT	ENTERING WATER TEMPERATURE	SCH	SCHEDULE
FCO	FLOOR CLEANOUT	SQFT	SQUARE FEET
FD	FLOOR DRAIN	SF	SUPPLY FAN
FDC	FIRE DEPARTMENT CONNECTION	SS	STAINLESS STEEL
FM FPD	FORCED MAIN	TA	TRANSFER AIR
FFD	DRY FIRE PROTECTION FEET	TEMP TDH	TEMPERATURE TOTAL DEVELOPED HEAD
FT	FINNED TUBE	TP	TRAP PRIMER
GAL	GALLONS	TYP	TYPICAL
GALV	GALVANIZED	U	URINAL
GCP	GLYCOL CIRCULATION PUMP	UL	UNDERWRITER'S LABORATORY
GFT	GLYCOL FILL TANK	UON	UNLESS OTHERWISE NOTED
GR	GLYCOL HEATING RETURN	VAV	VARIABLE AIR VOLUME
GS GI	GLYCOL HEATING SUPPLY GREASE INTERCEPTOR	UH VTR	UNIT HEATER VENT THROUGH ROOF
GMT	GLYCOL MAKE-UP TANK	VR	VENT THROUGH ROOF VENT RISER
GPM	GALLONS PER MINUTE	W	WASTE
HB	HOSE BIBB	W/	WITH
HC	HEATING COIL	W.C.	WATER COLUMN
HP	HORSE POWER	WCO	WALL CLEANOUT
HRV	HEAT RECOVERY VENTILATOR	WH	WATER HEATER
HWC	HOT WATER CIRCUITATION	WHA WPD	WATER HAMMER ARRESTOR
HWH	HOT WATER CIRCULATION HOT WATER HEATER	WPD	WATER PRESSURE DROP WITH RESPECT TO
HWR	HEATING WATER RETURN	WC	WATER CLOSET
HWS	HEATING WATER SUPPLY		With Second
HWT	HOT WATER TANK		
HX	HEAT EXCHANGER		
HZ	HERTZ		
ID IDCP	INSIDE DIAMETER		
IN	INDIRECT DOMESTIC CIRCULATION PUMP INCHES		

GENERAL NOTES

- 1. ALL WORK SHALL BE STRICTLY IN CONFORMANCE WITH APPLICABLE CODES AND REGULATIONS. ALL WORK SHALL BE IN ACCORDANCE WITH
 SPECIFICATIONS, DRAWINGS, THE 2012 INTERNATIONAL CODES, 2018 UNIFORM
 PLUMBING CODE, NFPA, AND STATE OF ALASKA MODIFICATIONS. ALL ELECTRICAL EQUIPMENT SHALL BEAR THE UL LABEL. ALL SHEET METAL WORK TO DONE IN ACCORDANCE WITH SMACNA REQUIREMENTS, PROVIDE ALL TESTING REQUIREMENTS FOR MECHANICAL SYSTEMS AS REQUIRED AND WITNESSED BY ADMINISTRATIVE AUTHORITY
- 2. MECHANICAL SYSTEMS SHALL BE INSTALLED PER THE REQUIREMENTS OF ASHRAE 90.1.
- 3. COORDINATE WITH OWNER ON SHUTDOWN OF SYSTEMS AND SCHEDULING OF WORK. WORK WILL BE REQUIRED WITH BUILDING OCCUPIED. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO MITIGATE DISTURBANCES PROVIDE SAFETY AND SECURITY BARRIES AT THEIR WORK AREAS.
- 4. TESTING AND BALANCING OF FLOWRATES AT BOILERS IS REQUIRED.





ELEMENTARY SCHOO

UPGRAD

CONSTRUCTION DOCUMENTS

CRAIG SCHOOL DISTRICT BOILER

Description

SHEET TITLE: **LEGENDS AND ABBREVIATIONS**

DATE: 7.24.2023 DESIGNER:

TRK

DHM

CHECKED:

DRAWN

SHEET NO.

									HEATING EQUIPMENT SCHEDULE
	INPUT	NET OUTPUT			ELECTRICA	L	BASIS OF DI	ESIGN	
MARK	(MBH)	(MBH)	FUEL	HP	V	PH	MANUFACTURER	MODEL	COMMENTS
B-1	301	255	PROPANE	1/4	115	1	NAVIEN	NFB-301C	CONDENSING STAINLESS STEEL PROPANE FIRETUBE BOILER. INSTALL ALL REQUIRED SAFETIES. SERVICE DISCONNECT SWITCH OPTIONS: READY-LINK WIRING KIT. CONDENSATE NEUTRALIZER KIT. COMMON VENT COLLAR KIT.
B-2	301	255	PROPANE	1/4	115	1	NAVIEN	NFB-301C	CONDENSING STAINLESS STEEL PROPANE FIRETUBE BOILER. INSTALL ALL REQUIRED SAFETIES. SERVICE DISCONNECT SWITCH OPTIONS: READY-LINK WIRING KIT. CODENSATE NEUTRALIZER KIT. COMMON VENT COLLAR KIT.

										PUMP SCHEDU	ILE	
							=:=0			D. 010 05 DE	-0.01	
			FLOW				ELEC1	RICAL		BASIS OF DE	-SIGN	
MARK	LOCATION	SERVICE	(GPM)	HEAD (FT)	FLUID	HP	V	PH	VFD	MANUFACTURER	MODEL	COMMENTS
BP-1	BASEMENT	BOILER #1	25	15	WATER	1/6	115V	1	No	TACO	2400-30	WIRED THRU B-1
BP-2	BASEMENT	BOILER #2	25	15	WATER	1/6	115V	1	No	TACO	2400-30	WIRED THRU B-2

							EXPANSION TANK SCHEDULE
					DACICOED	FOION	
MARK	SYSTEM	VOLUME	ACCEPTANCE VOLUME	PRESSURE (PSIG)	BASIS OF D MANUFACTURER	MODEL	COMMENTS
ET-1	HEATING SYSTEM	35	10	15	AMTROL	35LBC	ASME HYDRONIC EXPANSION TANK. PRECHARGED. BLADDER DIAPHRAM. FREE STANDING BASE.
ET-2	DOMESTIC SYSTEM	2	0.9	50	AMTROL	ST-5	DOMESTIC EXPANSION TANK. PRECHARGED. BLADDER DIAPHRAM. PIPE HUNG.

								AIR SEPARATOR SCHEDULE	
			FLOW	CONNECTION	MAX WPD	BASIS OF DESI	GN		
MARK	SERVICE	FLUID	(GPM)	(IN)	(FT)	MANUFACTURER	MODEL		COMMENTS
AS-1	HEATING SYSTEM	WATER	35	2	1	SPRIOTHERM	VDT200FA	AIR/DIRT SEPARATOR, FLANGED CONNECTION WITH DIRT DRAWOFF VALVE.	





CRAIG ELEMENTARY SCHOOL BOILER UPGRADE CRAIG SCHOOL DISTRICT

CONSTRUCTION DOCUMENTS

ı			
	No.	Description	Date

SHEET TITLE: **SCHEDULES**

DATE: 7.24.2023

DESIGNER: DRAWN CHECKED:

SHEET NO.

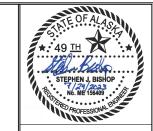
TRK

DHM

- (1) CONNECT TO EXISTING PROPANE BRANCH PIPING.
- 2 INSTALL ON EXTERIOR OF BUILDING. SELECTIVELY DEMOLISH, MODIFY, AND REPLACE EXTERIOR DECKING AS REQUIRED FOR INSTALLATION OF PROPANE PIPING.

SHEET NOTES

GENERAL: VERIFY CONDITIONS ONSITE PRIOR TO COMMENCMENT OF WORK, NOT ALL ELECTRICAL, PIPING AND MECHANICAL SYSTEMS SHOWN.







ELEMENTARY SCHOO BOILER UPGRADE

CONSTRUCTION DOCUMENTS

CRAIG SCHOOL DISTRICT

Description

SHEET TITLE: **BASEMENT HVAC** PLAN

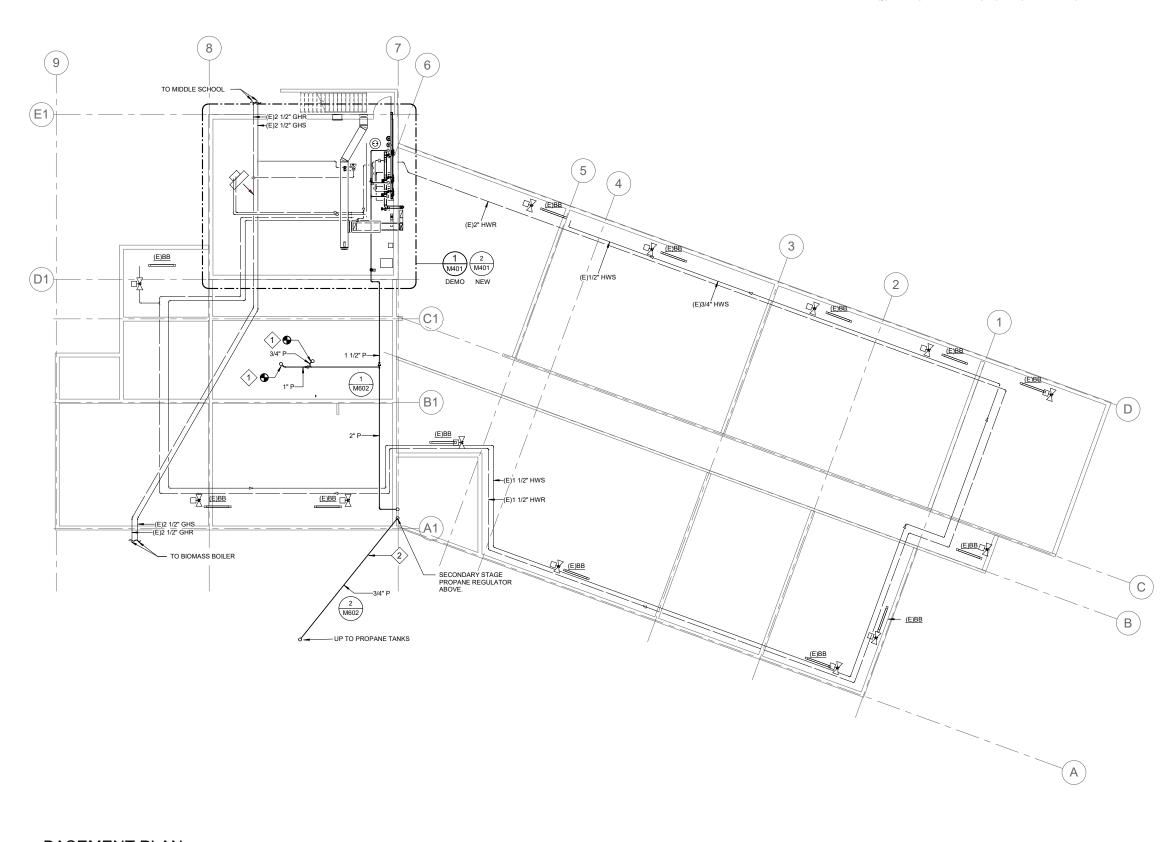
DATE: 7.24.2023 DESIGNER:

DRAWN CHECKED:

SHEET NO.

TRK

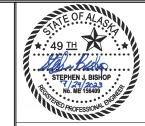
DHM



ACTUAL NORTH

3/32" = 1'-0" GRAPHIC SCALE

GENERAL: VERIFY CONDITIONS ONSITE PRIOR TO COMMENCMENT OF WORK, NOT ALL ELECTRICAL, PIPING AND MECHANICAL SYSTEMS SHOWN.







ELEMENTARY SCHOO

CONSTRUCTION DOCUMENTS

BOILER UPGRADE CRAIG SCHOOL DISTRICT

Description

SHEET TITLE: MAIN FLOOR **HVAC PLAN**

DATE: 7.24.2023 DESIGNER: TRK DRAWN

CHECKED: SHEET NO.

DHM

ACTUAL NORTH

3/32" = 1'-0" GRAPHIC SCALE

SHEET KEYNOTES

- 1 INSTALL NEW BOILERS, B-1, B-2, AND HWH-1, SAFETIES, INTAKE AND EXHAUST VENTS TO COMMON 6" DIA STACK, VERIFY CONDITIONS ONSITE. INSTALL CONDENSATE DRAIN AND TRAP TO COMMON NEUTRALIZER. INDIRECT DRAIN TO (E)FD.
- 2 DEMOLISH BOILERS, TRIM, ENTIRE CHIMNEY STACK THROUGH ROOF AND ASSOCIATED OIL PIPING. DEMOLISH ALL OIL PIPING IN MECHANICAL ROOM. CAP OIL PIPING AT WALL.
- (3) EMERGENCY BOILER SHUT OFF. COORDINATE WITH ELECTRICAL.
- 4 SIESMICALLY BRACE AGAINST WALL.
- 5 PROPANE DIRECT VENT SYSTEM. INSTALL AND SIZE PER MANUFACTURERS REQUIREMENTS. SLOPE EXHAUST PIPING TOWARDS DRAIN. SIZE SYSTEM FOR FUTURE BOILER B-3, SIMILAR
- (6) INSTALL CONDENSATE DRAIN AND TRAP ROUTE CD THRU NEUTRALIZER AND INDIRECT DRAIN TO (E) FD.
- $\langle 7
 angle$ RESERVE SPACE FOR FUTURE BOILER.
- (8) OSA BOILER VENT INTAKE WALL CAP. 1/2" BIRD SCREEN.

SHEET NOTES

- GENERAL: VERIFY CONDITIONS ONSITE PRIOR TO COMMENCMENT OF WORK. NOT ALL ELECTRICAL, PIPING AND MECHANICAL SYSTEMS SHOWN.
- 2. <u>HEATING SYSTEM SCOPE:</u> INSTALL NEW BOILERS B-1 AND B-2. INTEGRATE WITH EXISTING HYDRONIC HEATING SUPPLY LOOP AND BIOMASS BOILER HEAT EXCHANGER.
- 3. HYDRONIC PIPING SCOPE: REMOVE ALL GLYCOL HEATING FLUID FROM HYDRONIC PIPING. FLUSH HYDRONIC SYSTEM CLEAN. REFILL WITH 100% DOMESTIC WATER. SEE M601 FOR ADDITIONAL REQUIREMENTS.
- . <u>DOMESTIC SYSTEM SCOPE:</u> INSTALL NEW BOILER HWH-1 IN SERIES(DOWNSTREAM) WITH (E) INDIRECT HWT. SEE







ELEMENTARY SCHOO UPGRAD

CONSTRUCTION DOCUMENTS

CRAIG SCHOOL DISTRICT

BOILER

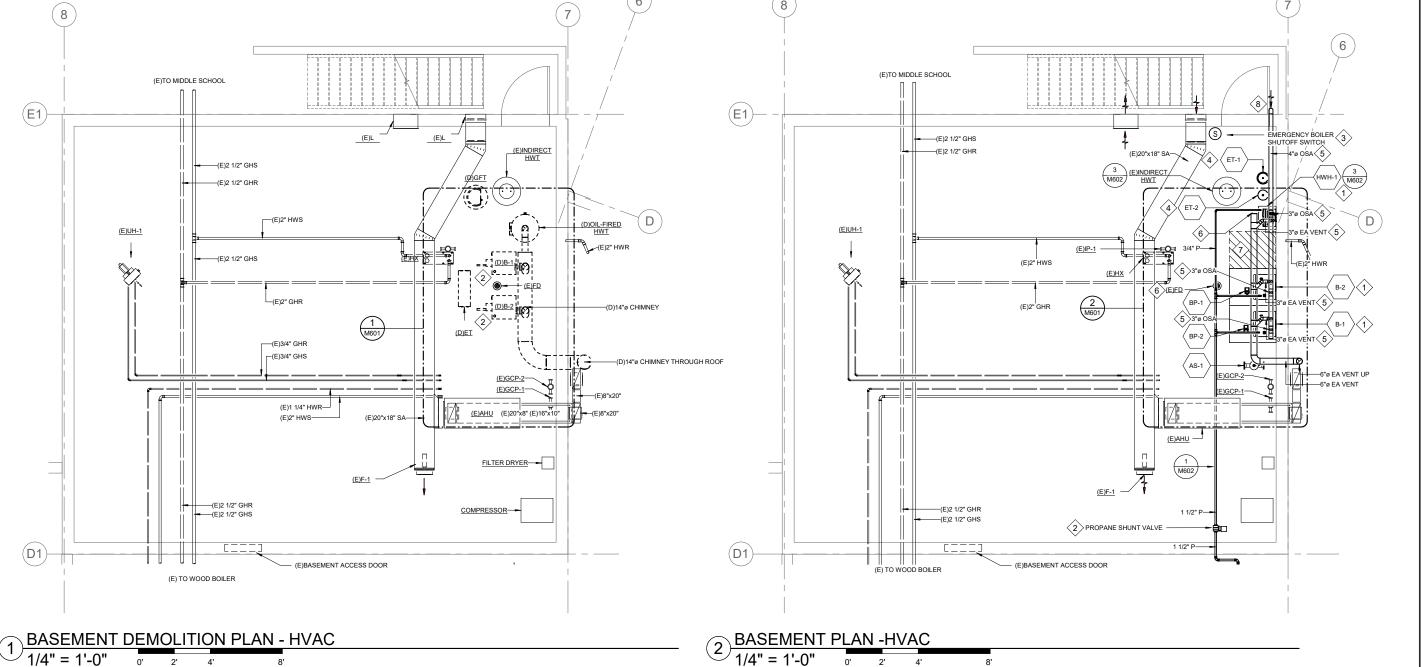
Description

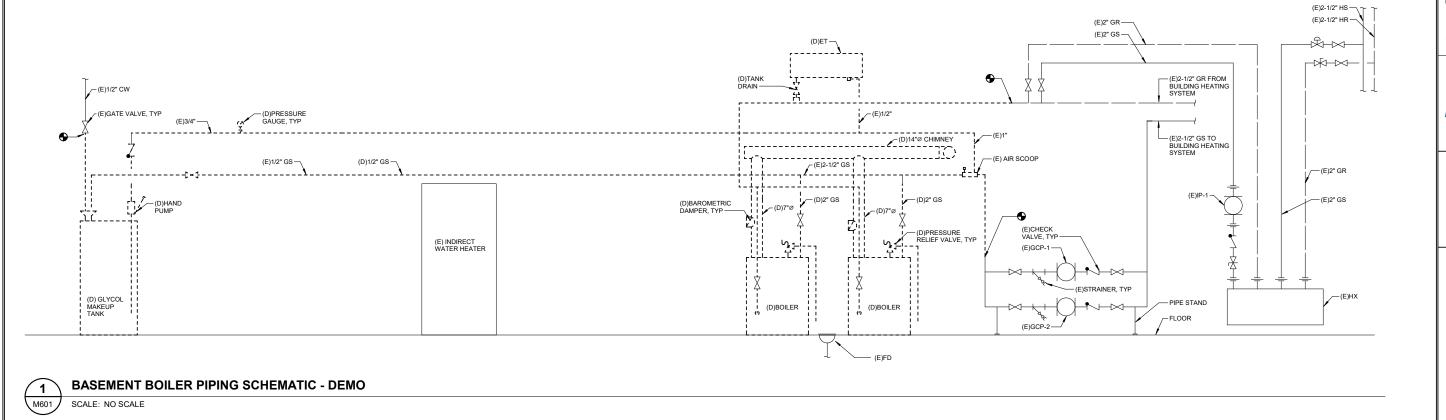
SHEET TITLE: **ENLARGED BASEMENT PLAN**

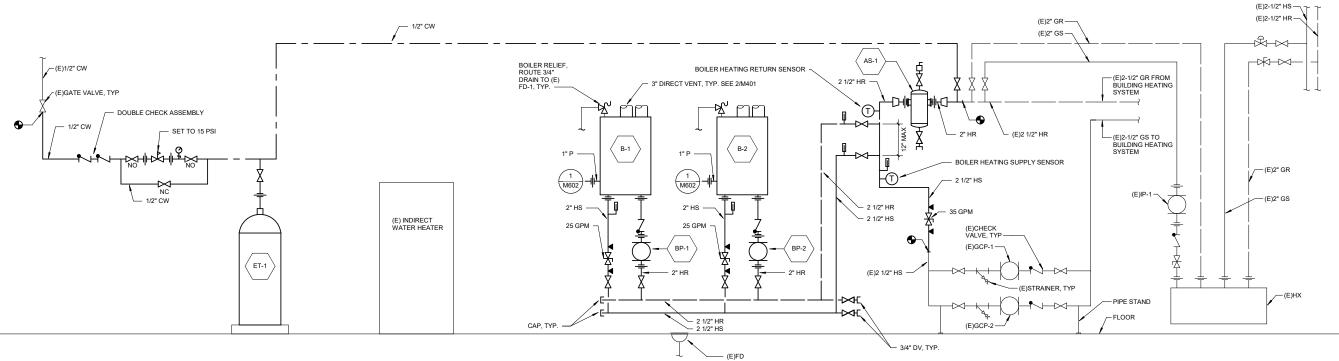
DATE: 7.24.2023 DESIGNER: DRAWN TRK

CHECKED: SHEET NO.

DHM







BASEMENT BOILER PIPING SCHEMATIC - NEW

SCALE: NO SCALE

NOTE: 11"x 17" PRINT IS HALF SIZE

CONSTRUCTION DOCUMENTS

SHEET TITLE: **HYDRONIC DETAILS**

DESIGNER:

SHEET NO.

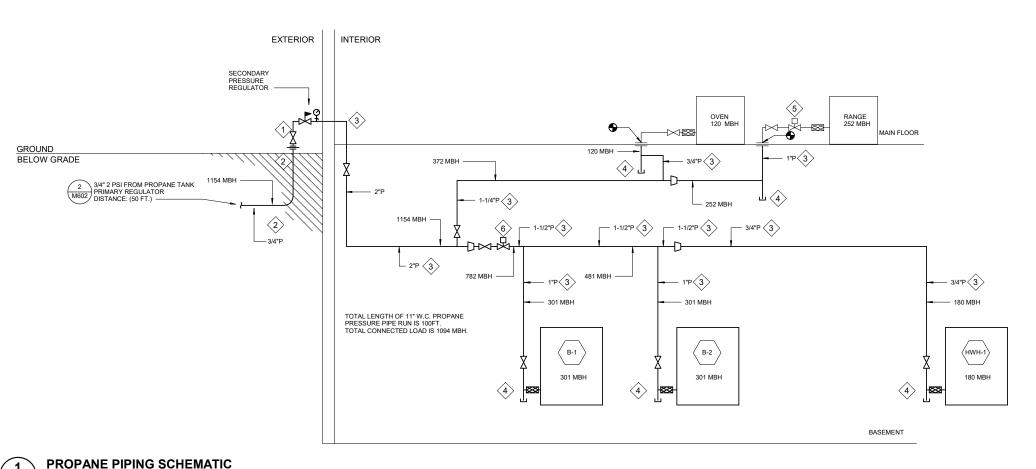
M601

DRAWN CHECKED: 7.24.2023

DHM

CRAIG ELEMENTARY SCHOOI **BOILER UPGRADE** CRAIG SCHOOL DISTRICT

9109 Mendenhall Mall Rd. Ste. Juneau, AK 99801 Phone: 907.780.6060 Fax: 907.586.3771 AECC163270



 $\langle 2 \rangle$

---3/4"P(2)

PRIMARY STAGE LP GAS REGULATOR LOCATED AT TANK

(E)CONCRETE PAD -

1)3/4"P

VALVE, TYP.

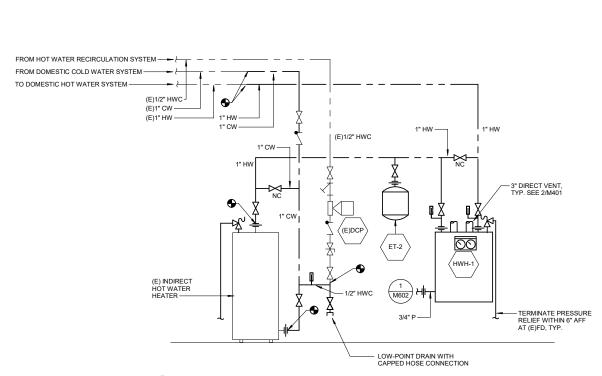
3'-0" MIN.

1)3/4"P -

FLEXIBLE CONNECTION,

SHEET KEYNOTES

- 1 SCHEDULE 40 METALLIC PIPE. PAINT WITH PRIMER AND TWO COATS OF EXTERIOR GRADE TOP COAT, WHITE.
 SUPPORT PIPING WITH CONCRETE ANCHORED UNISTRUT
- 2) DIRECT BURIAL POLYETHYLENE PIPE. TRENCH PIPING AT LEAST 24" BELOW GRADE. BED PIPING WITH SAND WITH AT LEAST 6" IN ALL DIRECTIONS. INSTALL METALLIC WARNING TAPE 12" ABOVE BURIED PIPE.
- 3 SCHEDULE 40 METALLIC PIPE AND FITTINGS FOR INTERIOR USE.
- 4 INSTALL CAPPED 4" DIRT LEG BEFORE EACH APPLIANCE.
- 5 RETAIN EXISTING PROPANE SHUNT VALVE.
- 6 EMERGENCY PROPANE SHUNT VALVE. COORDINATE WITH ELECTRICAL.
- 7 4"DIA SCHEDULE 40 STEEL PIPE, CONCRETE FILLED WITH CROWNED TOP. PAINT WITH PRIMER AND TWO COATS OF EXTERIOR GRADE TOP COAT, YELLOW. BURY MINIMUM OF 30" BELOW GRADE, BACKFILL HOLE WITH CONCRETE, MINIMUM OF 4" IN ALL DIRECTIONS.





GROUND

BELOW GRADE

M602

SCALE: NO SCALE

PROPANE TANK DIAGRAM

SCALE: NO SCALE

7 BOLLARD, TYP. OF 2.

WATER HEATER PIPING DIAGRAM SCALE: NO SCALE







ELEMENTARY SCHOO UPGRAD

CONSTRUCTION DOCUMENTS

CRAIG SCHOOL DISTRICT BOILER

Description

SHEET TITLE: PIPING DETAILS

DATE: 7.24.2023 DESIGNER: TRK DRAWN

DHM

SHEET NO.

CHECKED:

M602

	PANEL C (E)	SIZE		VOLT	S/PHAS	SE.		MAIN	LOCATION MOUN	TI
	PAINEL C (E)	225 AMP	s	208Y/	120V, 3 PI	+		MLO	BASEMENT SURFAC	_
C K T	DESCRIPTION	BREAKER AMP/			KVA			BREAKER AMP/	DESCRIPTION	c K
NO		POLE	CKT	ΑØ	ВØ	сø	СКТ	POLE		NC
1	WALK-IN COOLER	20/3						20/3	WALK-IN FREEZER	2
3								-		4
5								-		6
7	CIRCULATION PUMP NO. 1,	15/3						30/3	FREEZER	8
9								-		10
11								-		12
13	CIRCULATION PUMP NO. 2,	15/3						15/2	AIR HANDLER	14
15								-		16
17								15/1	(D) BOILER NO. 2, (N) BOILER B-1 & BP-1	18
19	UNKNOWN	15/1						15/1	HOT WATER TANK	20
21	LIGHTING: CRAWL SPACE	15/1						15/1	(D) BOILER, (N) BOILER B-2 & BP-2	22
23	LIGHTING: MECHANICAL ROOM	15/1						20/1	UNIT HEATER	24
25	AIR HANDLER FAN,	20/1						20/1	SUPPLY FAN	26
27	SECURITY SYSTEM AND DIALER	20/1						20/1	COMMUNITY ROOM MICROWAVE	28
29	LIGHTING: EXTERIOR	20/1						20/1	SAFETY SHUTDOWN RELAYS	30
31	TIME CLOCK	20/1						15/1	FUEL SOLENOID BOILER ROOM LIGHT	32
33	TIME CLOCK	20/1						15/1	TELEPHONE OUTLET	34
35	FREEZER LIGHTS AND HALL HEAT	20/1						60/2	NEW CLASSROOMS	36
37	(N) BOILER EM SHUT OFF, HWH-1	15/1						- 1		38
39	UNKNOWN	20/1						20/1	LIGHT AND DISPOSAL	40
41	UNKNOWN	20/1						20/1	INSINKORATOR AND ICE MAKER	42

			ME	ECH,	ANI	CAL	EQ	UIPM	MENT SCHEDULE						
	DESIGNATION				LOAD			CIRCUITING					CONTROL		
ITEM	DESCRIPTION	LOCATION	HP	KW	AMDO	VOLTE	DUACE	RATING	CONDUCTORS	DISCO	NNECT	CTARTER.	CONTROL	REMARKS	
I I EIVI	DESCRIPTION	LOCATION	ПР	I KVV	AIVIFS	VOLIS	FHASE	KATING	CONDUCTORS	SWITCH	FUSE	SIZE	CONTROL	REWARKS	
B-1	BOILER	BASEMENT	1/4			120	1	15/1	2 NO. 12, 1 NO. 12 GND	S					
B-2	BOILER	BASEMENT	1/4			120	1	15/1	2 NO. 12, 1 NO. 12 GND	s					
BP-1	BOILER PUMP	BASEMENT	1/6			120	1	15/1	2 NO. 12, 1 NO. 12 GND					SUBFED FROM B-1	
BP-2	BOILER PUMP	BASEMENT	1/6			120	1	15/1	2 NO. 12, 1 NO. 12 GND					SUBFED FROM B-2	
HWH-1	PROPANE WATER HEATER	BASEMENT		0.2		120	1		2 NO. 12, 1 NO. 12 GND	s					

ABBREVIATIONS

AFF ABOVE FINISHED FLOOR

M.B. MOUNTING BOARD

UON UNLESS OTHERWISE NOTED
VFD VARIABLE FREQUENCY DRIVE

(D) DEMOLISH
(E) EXISTING
(N) NEW
(R) RELOCATE

	WIRING AND LIGHTING CONTROL DEVICE SYMBOLS
\Diamond	EQUIPMENT CONNECTION
S	SINGLE POLE SWITCH
	POWER SYMBOLS
0	JUNCTION BOX / EQUIPMENT CONNECTION
0	MOTOR CONNECTION
	DISTRIBUTION PANELBOARD
+	BRANCH CIRCUIT HOME RUN TO PANELBOARD, DASHES INDICATE THE NUMBER OF CONDUCTORS. LONG DASHES INDICATE NEUTRAL CONDUCTORS, UNGROUNDED CONDUCTORS OTHERWISE.
	SIGNALING SYMBOLS - SECURITY
PB	PUSH BUTTON
	POWER LINE TYPES
	ABOVE GRADE CIRCUITS
	- TYPE MC CABLE







BOILER UPGRADE CRAIG SCHOOL DISTRICT

CONSTRUCTION DOCUMENTS

CRAIG ELEMENTARY SCHOOL

No.	Description	Date
-		
-		
\vdash		-
\vdash		
СL	ICCT TITI C.	

SHEET TITLE:

LEGEND, SCHEDULES

DATE:

DRAWN: CHECKED:

SHEET NO.

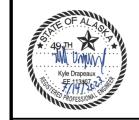
7.14.2023

PEL

KHD



- 1. 1/2" CONDUIT, CIRCUITING PER MECHANICAL DESIGN.
- PROVIDE AN EMERGENCY STOP BUTTON WITH MECHANICAL LATCHING TO
 DE-ENERGIZE BOILER EQUIPMENT WHEN PRESSED. PROVIDE A HINGED COVER FOR
 THE STOP BUTTON.

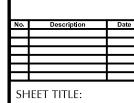






CRAIG ELEMENTARY SCHOOL **BOILER UPGRADE** CRAIG SCHOOL DISTRICT

CONSTRUCTION DOCUMENTS



BASEMENT PLANS -POWER & LOW VOLTAGE

DATE:

7.14.2023

DRAWN: CHECKED:

SHEET NO.

KHD

