

LEGEND

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EXISTING DUCTWORK, EQUIPMENT, ETC. TO REMAIN

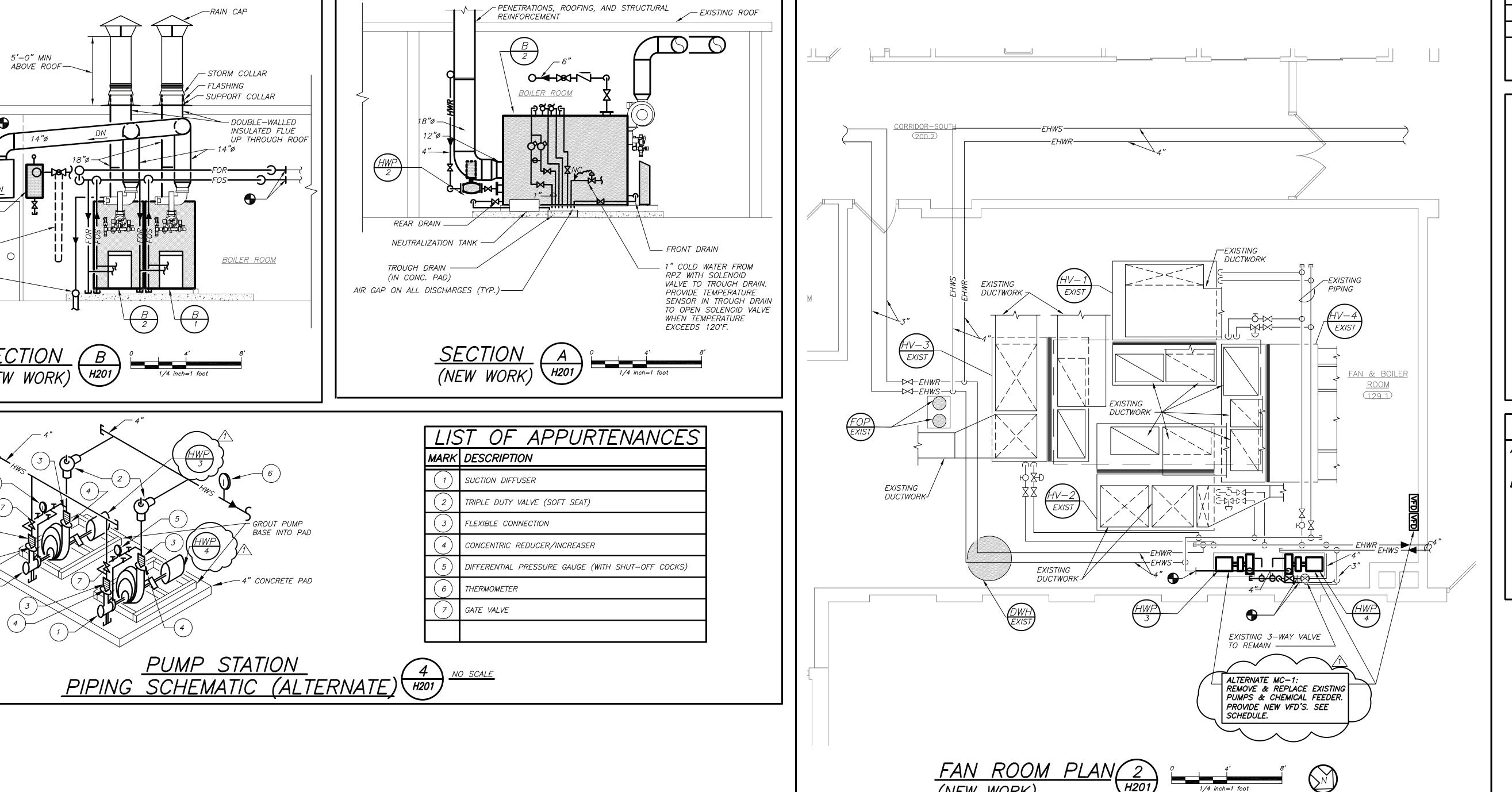
EXISTING DUCTWORK, EQUIPMENT, ETC. TO BE REMOVED

## **REMOVAL NOTES:**

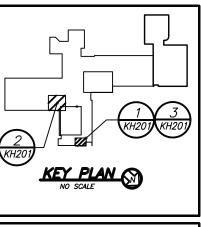
- 1 THE SCOPE OF REMOVAL SHOWN ON "REMOVALS" DRAWINGS IS DIAGRAMMATIC ONLY AND INDICATES THE INTENT OF THE WORK TO BE PERFORMED AND NOT THE COMPLETE SCOPE OF DEMOLITION AND/OR REMOVAL WORK. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO REMOVE ANY RELATED MECHANICAL DEVICES EVEN IF NOT SPECIFICALLY INDICATED TO BE REMOVED ON THESE DRAWINGS IN ORDER TO ACCOMMODATE NEW WORK.
- 2 DEVICES SHOWN CROSS HATCHED ON DRAWINGS ARE ITEMS TO BE REMOVED. ANY DEVICES REMOVED SHALL INCLUDE (BUT SHALL NOT BE LIMITED TO) THE REMOVAL OF ALL ASSOCIATED PIPING, CONTROLS, ETC. THAT ARE NOT INCÓRPORATED IN THE NEW LAYOUT, UNTIL SUCH REMOVAL IS COMPLETE. THIS CONTRACTOR SHALL PERFORM ALL WORK REQUIRED TO INSURE CONTINUITY OF SERVICE TO EXISTING REMAINING EQUIPMENT. NO EXTRAS RELATING TO THE SCOPE OF WORK DESCRIBED WILL BE ALLOWED.
- 3 EQUIPMENT, PIPING, ETC., REQUIRED TO RECONNECT SHALL BE INSTALLED CONCEALED WITHIN THE NEW SUSPENDED CEILINGS, PARTITIONS AND/OR WALLS, FLOORS, NO SURFACE MOUNTED OR EXPOSED EQUIPMENT, PIPING, ETĆ., SHALL BE PERMITTED, UNLESS SPECIFICALLY INDICATED.
- 4 ALL ITEMS TO BE REMOVED SHALL BE REVIEWED WITH THE OWNER PRIOR TO REMOVAL. OWNER SHALL HAVE FIRST SALVAGE RIGHTS. ITEMS THE OWNER WISHES TO KEEP SHALL BE REMOVED WITH CARE AND STORED AS DIRECTED BY OWNER. ITEMS THE OWNER DOES NOT WISH TO KEEP SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.
- 3 REMOVE OR RELOCATE ALL DEVICES LOCATED ON THE EXTERIOR OF THE BUILDING OR ON THE INTERIOR OF EXTERIOR WALLS AS REQUIRED TO ACCOMMODATE THE NEW BUILDING ADDITION OR TO ALLOW THE ADDITION OF DOORWAYS INTO THE NEW ADDITION.

## **BOILER FILING REQUIREMENTS:**

- A. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING A LICENSED ENGINEER TO FILE ALL APPLICATIONS, PERMITS AND FILING FEES WITH THE AUTHORITIES HAVING JURISDICTION OVER THE WORK.
- B. THE FOLLOWING LIST SERVES AS THE MINIMUM FILING REQUIREMENTS, FAILURE TO LIST ANY ITEM DOES NOT RELIEVE THE CONTRACTOR FROM FULFILLING THAT REQUIREMENT. 1. CERTIFICATE OF RESOLUTION AND LETTER OF AUTHORIZATION FROM OWNER/USER TO AUTHORIZE LICENSED PROFESSIONAL TO EXECUTE FILING.
- 2. PREPARE AND SUBMIT (2) ORIGINAL FORM DOH—A, FORM DOH—B2, AND ENVIRONMENTAL ASSESSMENT FORM WITH PLANS, PROFESSIONAL ENGINEER'S REPORT, AND SPECIFICATIONS WITH ENGINEER'S SEAL.
- 3. FILING FEES, PER DEVICE.
- 4. ALL BOILERS MUST CONFORM TO WITH THE REQUIREMENTS OF PART 227 OF NYCRR.



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S.E.D. CONTROL NUMBER: 66-19-04-03-0-007-015

02/17/2023 BID ADDENDUM #1, PROGRESS SET DATE ISSUED TO SHEET SIZE 30"x42" DRAWN BY

FILE NO.

22468.00

BGA

CHECKED BY

BGA

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK

OF ALL OTHER CONTRACTORS.

**EXISTING** 

ROOF —

SEPARATOR

PROVIDE CHAIN

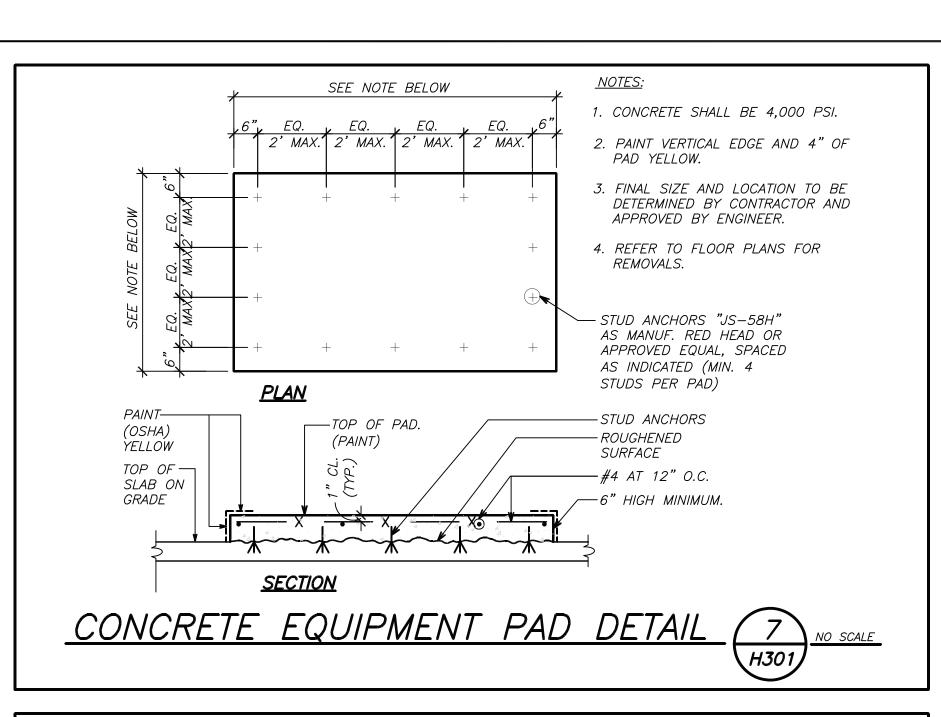
OPERATOR ON

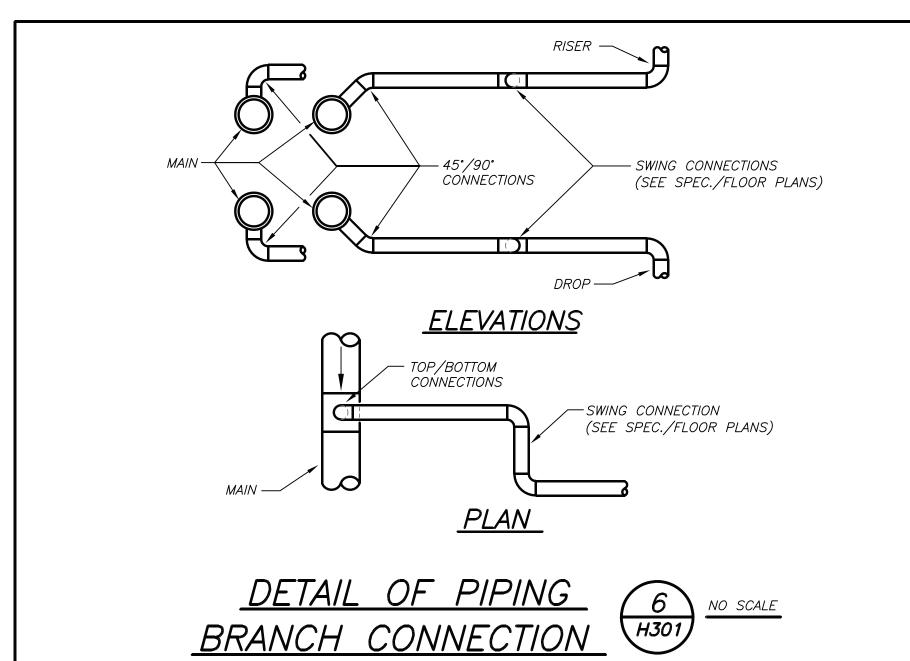
6' A.F.F

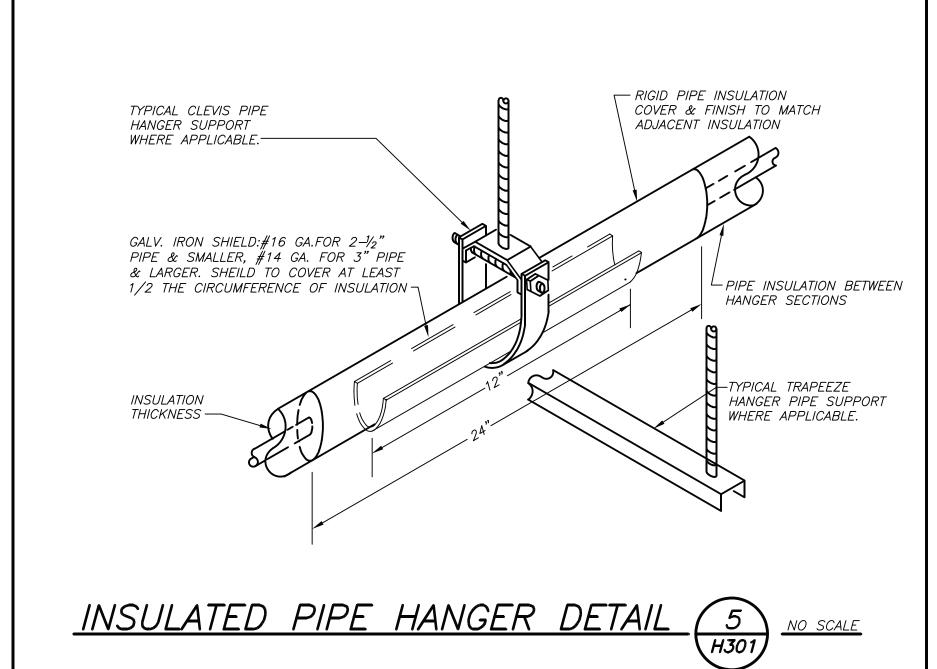
TROUGH

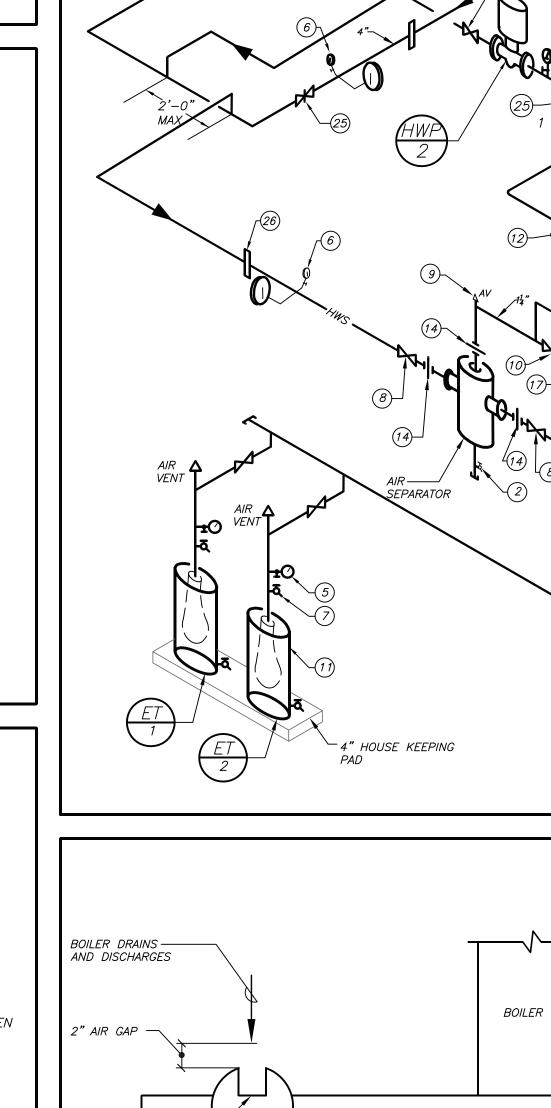
ALL VALVES TO

FILE: Y:\PC-RYE UFSD\PC-Rye UFSD - King St. Boiler Replacement (2220.00)\Drawings\HVAC\222000KSESH201.dwg

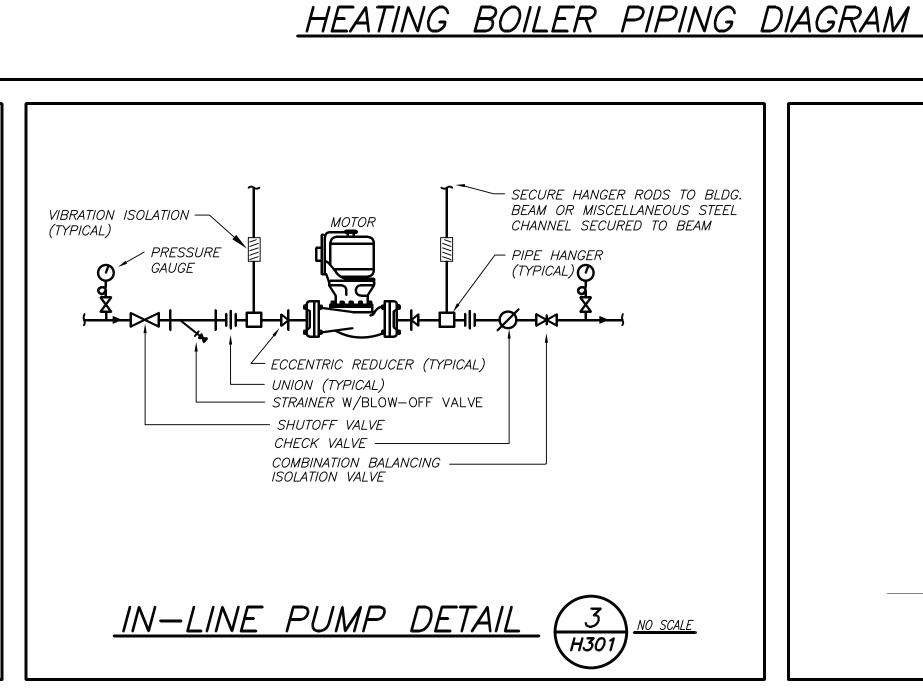








TROUGH DRAIN DETAIL



1) RELIEF VALVES SHOULD BE PIPED VERTICALLY TO A HEIGHT 2" ABOVE TROUGH DRAIN.

2) LOCATE WATER INLET AND OUTLET FITTINGS (i.e. UNIONS, ELBOWS, ETC.) A MINIMUM OF 6" FROM BOILER FITTINGS TO PREVENT INTERFERENCE WITH REMOVAL OF BOILER PANELS AND COVERS. ALL PIPING AND

3) THIS IS A TYPICAL INSTALLATION DRAWING. LOCAL CODES AND AUTHORITIES SHOULD BE CONSULTED.

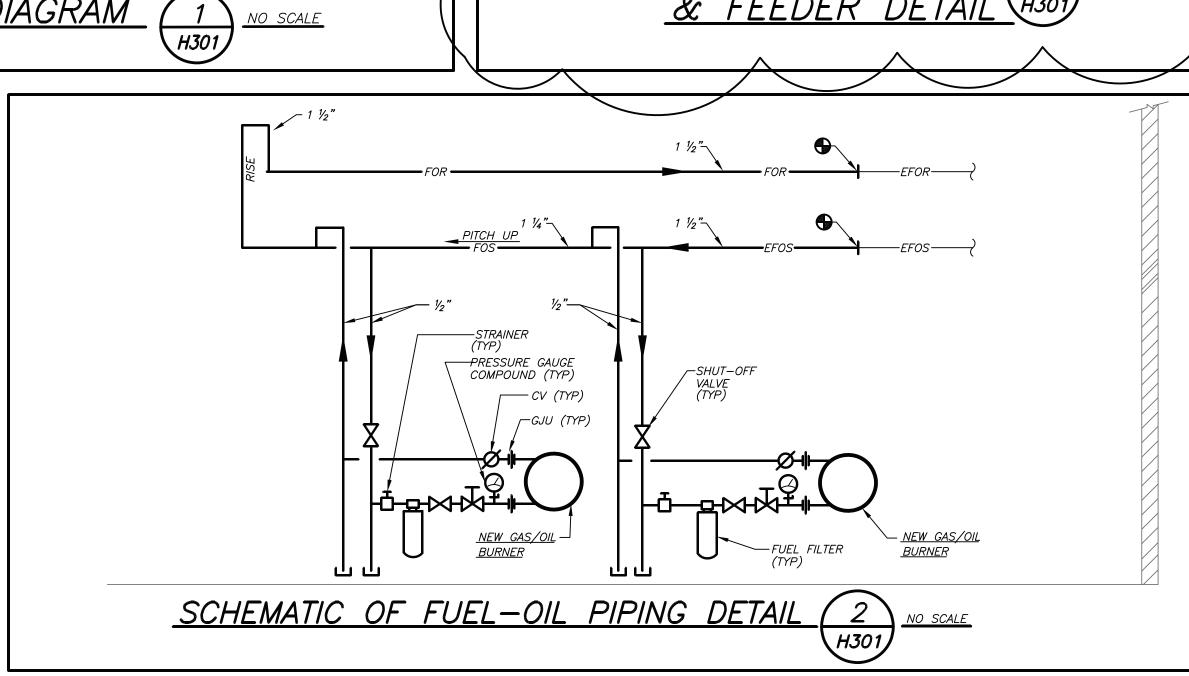
ELECTRIC CONNECTIONS (SERVICE SWITCHES, CONDUIT BOXES) SHOULD LIKEWISE BE 6" AWAY FROM SIDE PANELS.

√23) BOILER DRAIN

`\_TROUGH DRAIN

CONNECT TO COLD WATER MAKE—UP WITH —BACKFLOW PREVENTER

TO NEW TROUGH



LIST OF APPURTENANCES

MANUAL CHEMICAL BY-PASS 8 NO SCALE
& FEEDER DETAIL H301

DESCRIPTION

(2) TRIPLE DUTY VALVE (SOFT SEAT)

PRESSURE GUAGE(W/SHUT-OFF COCK)

7) DRAIN VALVE WITH HOSE END CONNECTION

FLEXIBLE CONNECTION

11) PRESSURIZED EXPANSION TANK

CONDENSATE DRAIN TRAP

(4) CONCENTRIC REDUCER

10) BALL VALVE

CHECK VALVE

(14) UNION CONNECTION

TO SYSTEM FROM PUMP DISCHARGE

REMOVE & REPLACE EXISTING PUMPS & CHEMICAL FEEDER (ALTERNATE MC-1).

MARK DESCRIPTION

15) PRESS./TEMP. RELIEF VALVE

(16) GROUT PUMP BASE INTO PAD

18) CONDENSATE PH NEUTRALIZER

4" HOUSEKEEPING PAD

(28) COMBUSTION AIR FAN INTAKE

GAS PRESSURE REGULATOR

HEADER TEMPERATURE SENSOR

DIFFERENTIAL PRESSURE SENSOR (VFD)

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S.E.D. CONTROL NUMBER: 66-19-04-03-0-007-015

02/17/2023 BID ADDENDUM #1,

06/01/2022 SED ADDENDUM #1

DATE

SHEET SIZE

30"x42"

BGA

CHECKED BY

BGA

DRAWN BY

PROGRESS SET

ISSUED TO

H301

22468.00

FILE NO.

MANUAL GAS COCK

BUTTERFLY VALVE

FLUE OUTLET

BOILER DRAIN

(25) BALANCE VALVE

REGULATOR W/ BUILT IN CHECK VALVE

	SCHEDULE OF PUMPS										
MARK	SERVICE	LOCATION	MODEL N Q	GPM	HEAD FT. H <sub>2</sub> 0	RPM	MOTOR HP	ELECTRIC V/PH/HZ	REMARKS		
HWP 1	BOILER #1 PRIMARY	BOILER ROOM	SERIES 80 5X5X7	290	25	1770	3.0	208/3/60	REFER TO 123		
HWP 2	BOILER #2 PRIMARY	V		V	, v	V		V	•		
HWP 3	BLDG HOT WATER PRIMARY	FAN ROOM	SERIES e-1510 2BD	185	<i>75</i>	1750	5.0	208/3/60	REFER TO 1234		
HWP 4	BLDG HOT WATER STAND—BY	<b>+</b>		•	•	<u> </u>	<b>+</b>	<b>+</b>			

- NO 1) AS MANUFACTURED BY "BELL & GOSSETT".

  TO 2) INSTALL PUMPS PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE PUMPS WITH VARIABLE FREQUENCY DRIVES WITH
  DIFFERENTIAL PRESSURE SENSORS INTERLOCKED WITH BOILER MOD-SYNC CONTROLS.
- 4 ALTERNATE MC-1. PROVIDE VARIABLE FREQUENCY DRIVES.

	SCHEDULE OF CONDENSING BOILERS																	
BOILER DATA				BURNER DATA							DO# 5D	DIMENCIONO	UNIT	ELECTRICAL DATA				
MARK	LOCATION	MODEL N o	BOILER MAX/MIN WATER FLOW (GPM)	GAS INPUT (CFH)	FUEL OIL INPUT (GPH)	OUTPUT (MBH)	FUEL	BURNER MOTOR HP	FUEL OIL MOTOR HP	CONTROL TYPE	APPROVAL	MIN/MAX GAS INLET PRESSURE (IN W.C.)	BOILER DIMENSIONS TYPE LxWxH (IN)		OPERATING WEIGHT (LBS)	VOLT/PHASE/HZ		REMARKS
<u>B</u>	BOILER ROOM	<i>VANTAGE</i> <i>VTG3000DF</i>	0/290	3000	21.4	2889	#2 OIL AND GAS	3.0	3/4	LO-HI-LO	UL/FM(/IRI)	14.0–42.0	HW CONDENSING FIRE TUBE	132X34.5X72.3	7100	208/3/60	19.0	REFER TO 12345
$\frac{B}{2}$		<b>\</b>			ļ	V	V	V		V	<b>↓</b>			•	•		•	
N (1) A	S MANUFACTURED BY	FULTON".	NAME AND A TION O															

- - T 2 INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

CONCRETE PAD

SEAL OFF ENDS

- 4" OUTLET (CONNECT TO HUB PROVIDED BY PL.)

- E 3 MINIMUM TURNDOWN 5:1.
- 4 BOILER INSTALLATION SHALL CONFORM TO ALL REQUIREMENTS OF THE PORT CHESTER—RYE UNION FREE SCHOOL DISTRICT,
- INSURANCE UNDERWRITERS, NFPA AND ALL AUTHORITIES HAVING JURISDICTION.
- 5 PROVIDE 120 VOLT CONTROL TRANSFORMER IN BURNER CONTROL PANEL WITH MOD-SYNC CONTROLS FOR CONNECTION TO

(SCHEDULE OF HOT WATER UNIT HEATERS)												
MARK	MODEL No. 1	CAPACITY . BTU/HR	DATA AMP	MOTOR HP	МСА	ELECTRIC SERVICE	PHYSTCAL LxWxH (IN)	DATA WEIGHT (LBS)	MTG.	REMARKS		
UH A	HS-125A	24,800	1.2	25W	1.5	115/1/60	6X16X18	50	CEILING	REFER TO 2 3 4		

- N (1) AS MANUFACTURED BY "STERLING". (2) INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- 3 PROVIDE UNIT MOUNTED VARIABLE SPEED CONTROLLER AND MOUNTING HARDWARE.

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PHYSICAL xWxH (IN)	DATA WEIGHT (LBS)	MTG.	REMARKS	MARK	MODEL N≗		VOLUME ALS.	ACCEPT, VOLUME		REMA	RKS
6X16X18	50	CEILING	REFER TO	ET 1	B-400	) 1	106	106		REFER TO ①②(	
				ET 2				Ų.			
4) PROVIDE A CONTROLLE	LL POWER RELAY ER.	'S AND L	BACNET	$10 \approx$		CTURED BY "BELL R MANUFACTURER"					

	1 <b>†</b>					,	†				
<b>N</b> (1)	AS MANUFACTUR	RED BY "BELL &	GOSSE1	T".							
$\frac{0}{7}$ $\bigcirc$ INSTALL PER MANUFACTURER'S RECOMMENDATIONS.											
E 3	ASME RATED, H	ORIZONTAL MOUN	ITING.								

SCHEDULE OF EXPANSION TANKS

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS.