

REAR DRAIN —

NEUTRALIZATION TANK -

PENETRATIONS, ROOFING, AND STRUCTURAL

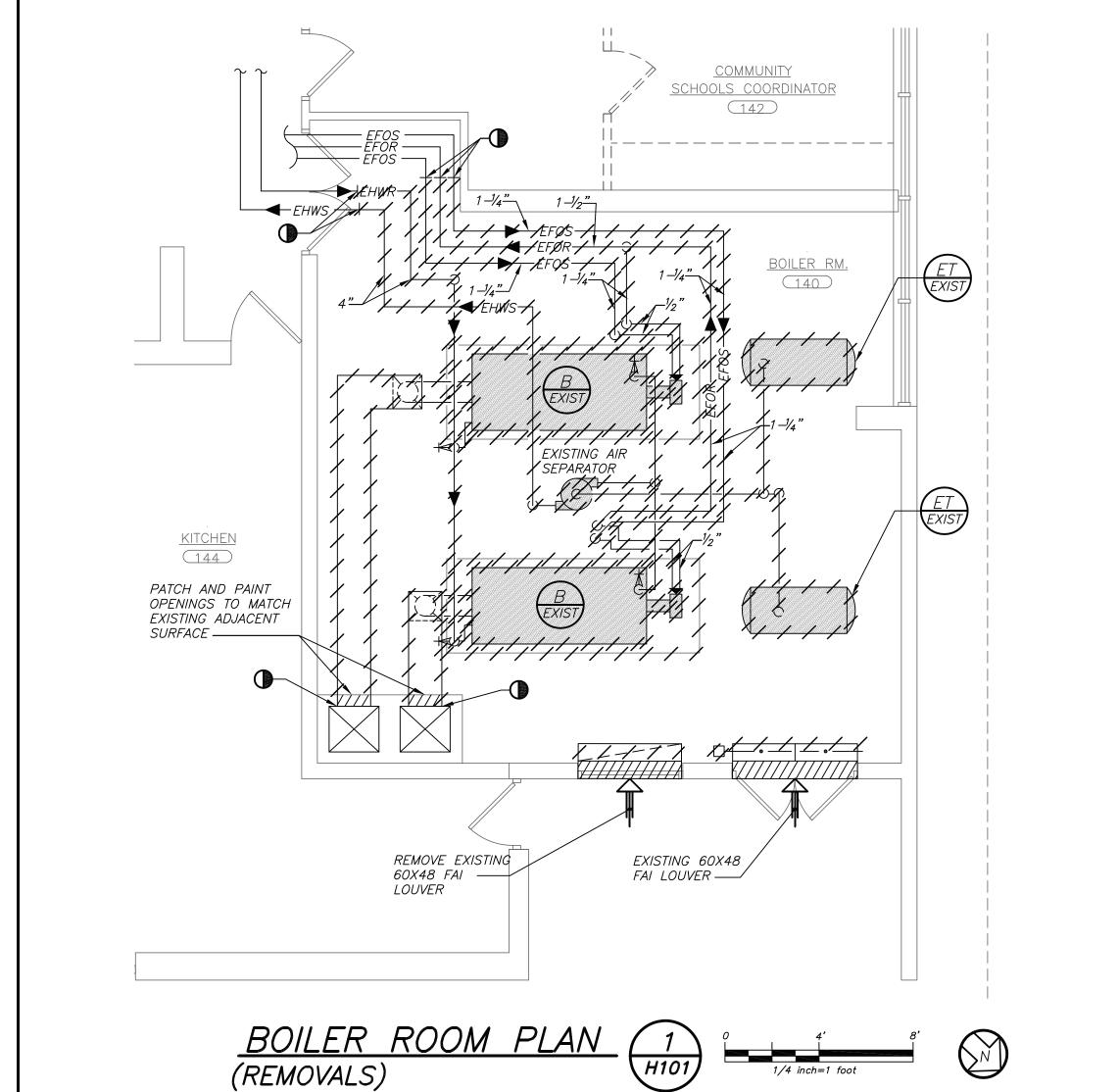
O-4-1080H√J--p

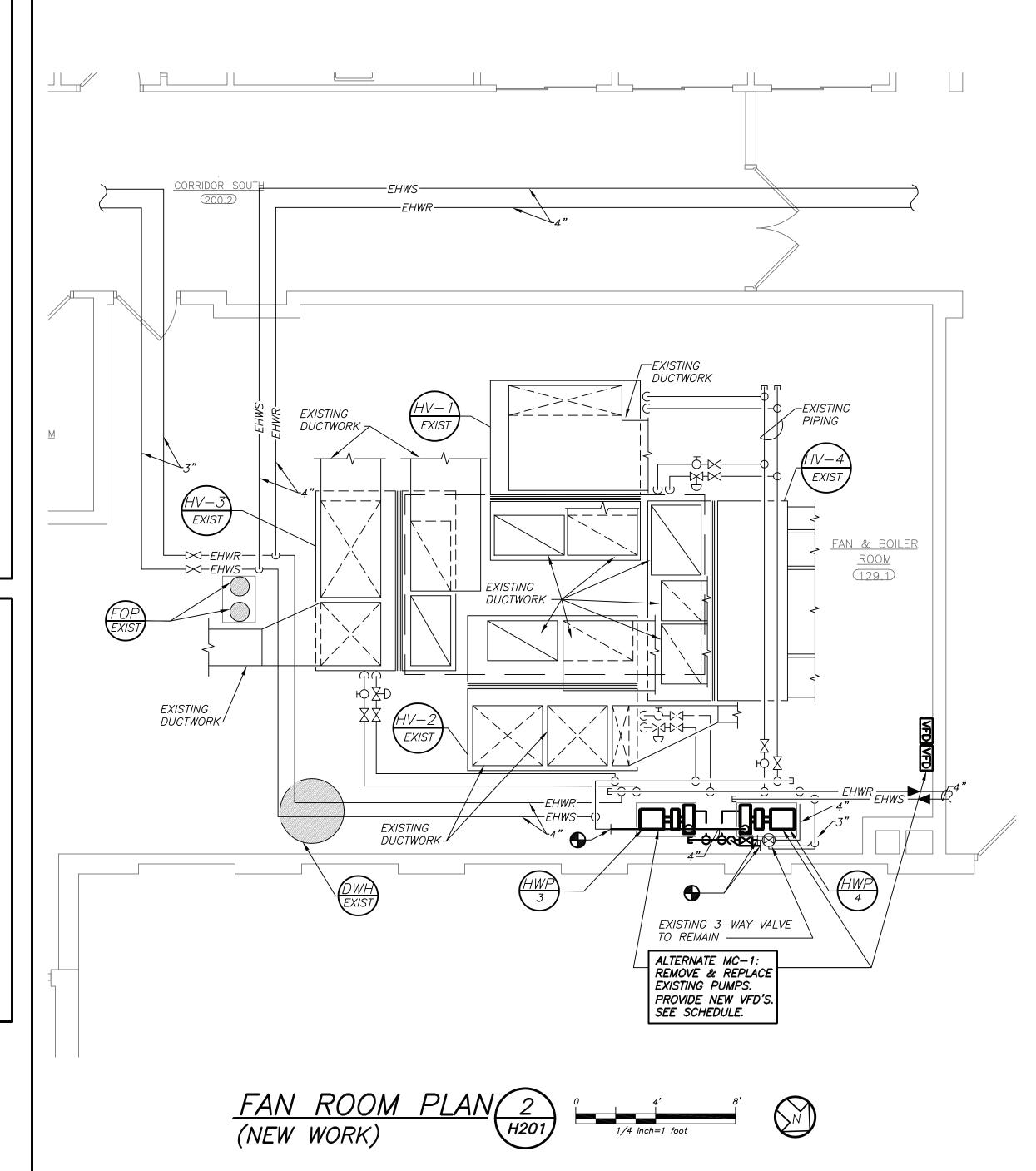
BOILER ROOM

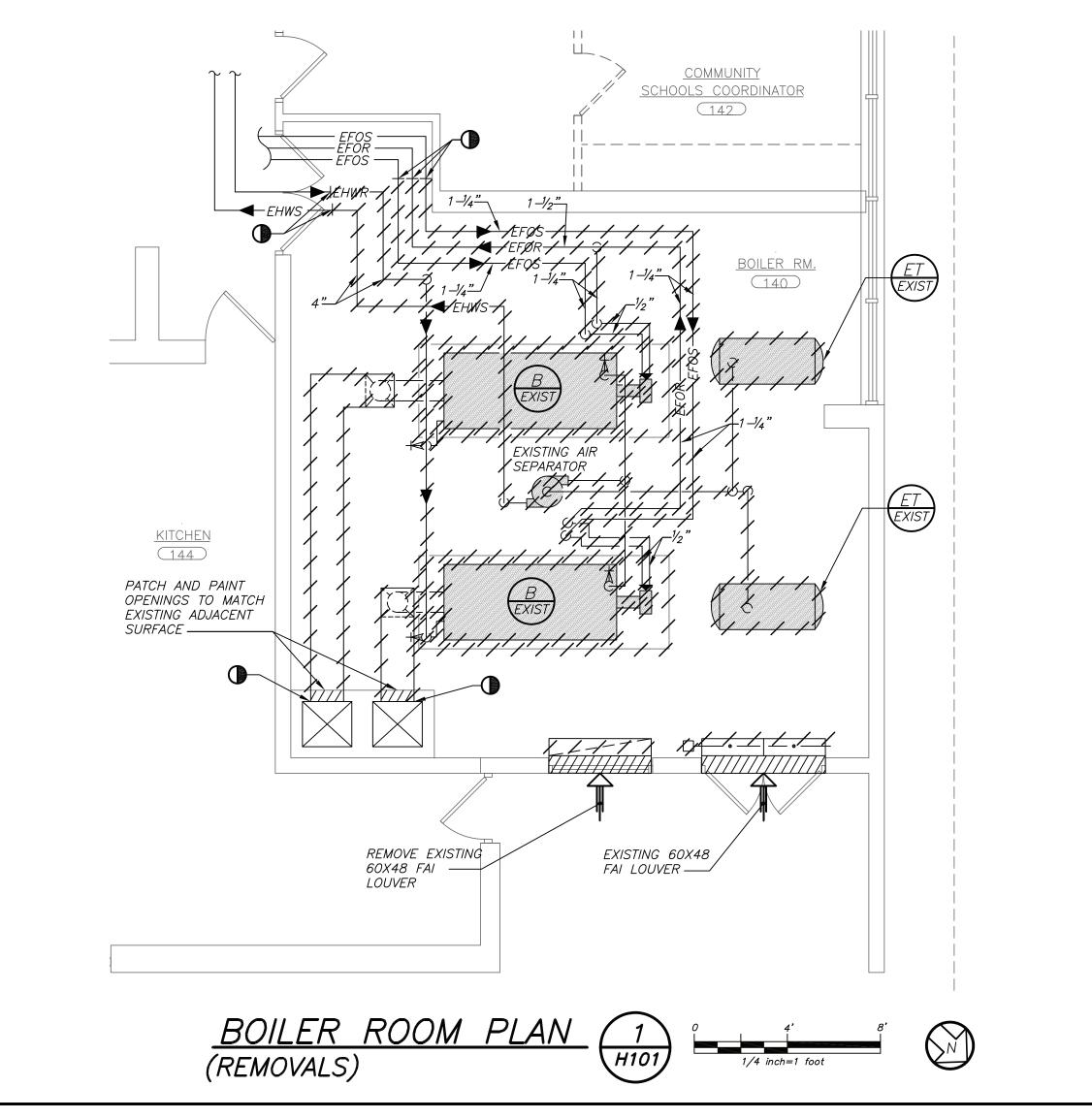
REINFORCEMENT

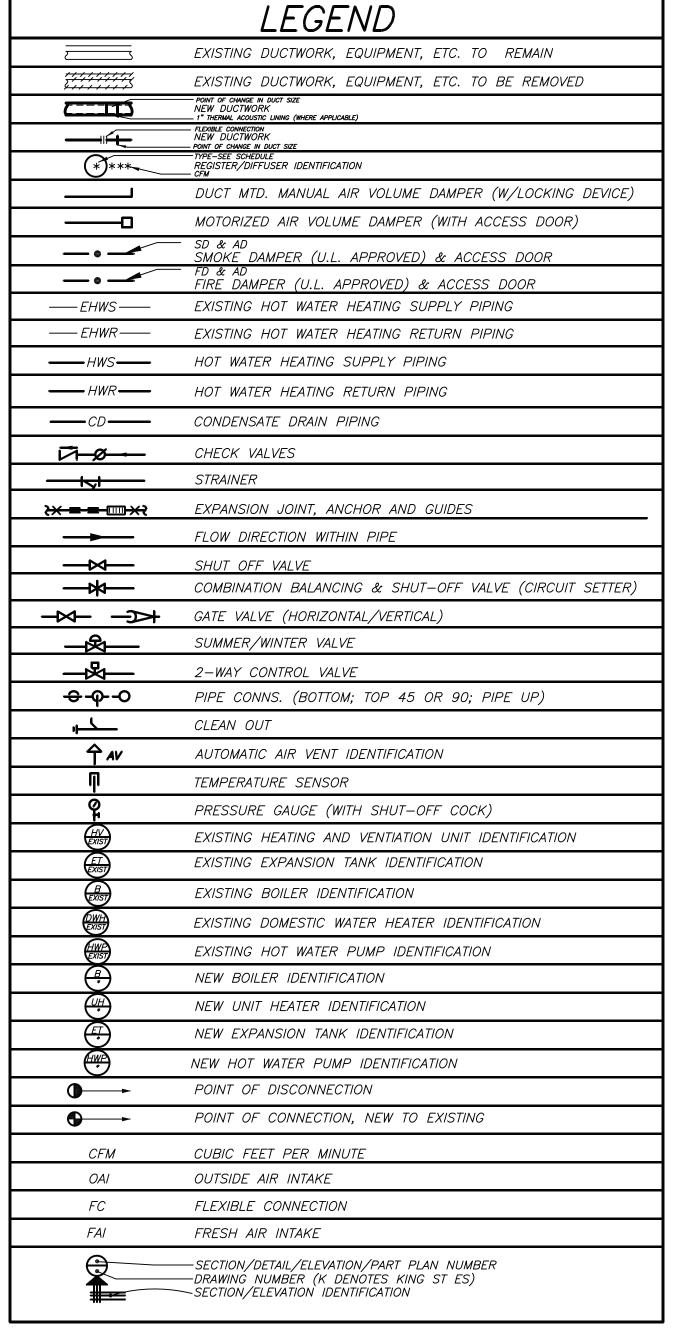
EXISTING ROOF

- FRONT DRAIN









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.

TROUGH DRAIN BOILER ROOM B B B B B B B T T B B T B T B T B T T	TROUGH DRAIN ————————————————————————————————————
SECTION B (NEW WORK) H201 1/4 inch=1 foot	SECTION (NEW WORK) A H201 1/4 inch=1 foot
5 GROUT PUMP BASE INTO PAD 1 3 4 CONCRETE PAD	LIST OF APPURTENANCES MARK DESCRIPTION 1 SUCTION DIFFUSER 2 TRIPLE DUTY VALVE (SOFT SEAT) 3 FLEXIBLE CONNECTION 4 CONCENTRIC REDUCER/INCREASER 5 DIFFERENTIAL PRESSURE GAUGE (WITH SHUT-OFF COCKS) 6 THERMOMETER 7 GATE VALVE
<u>PUMP STATION</u> <u>PIPING SCHEMATIC (ALTE</u>	RNATE) (4) NO SCALE

— STORM COLLAR

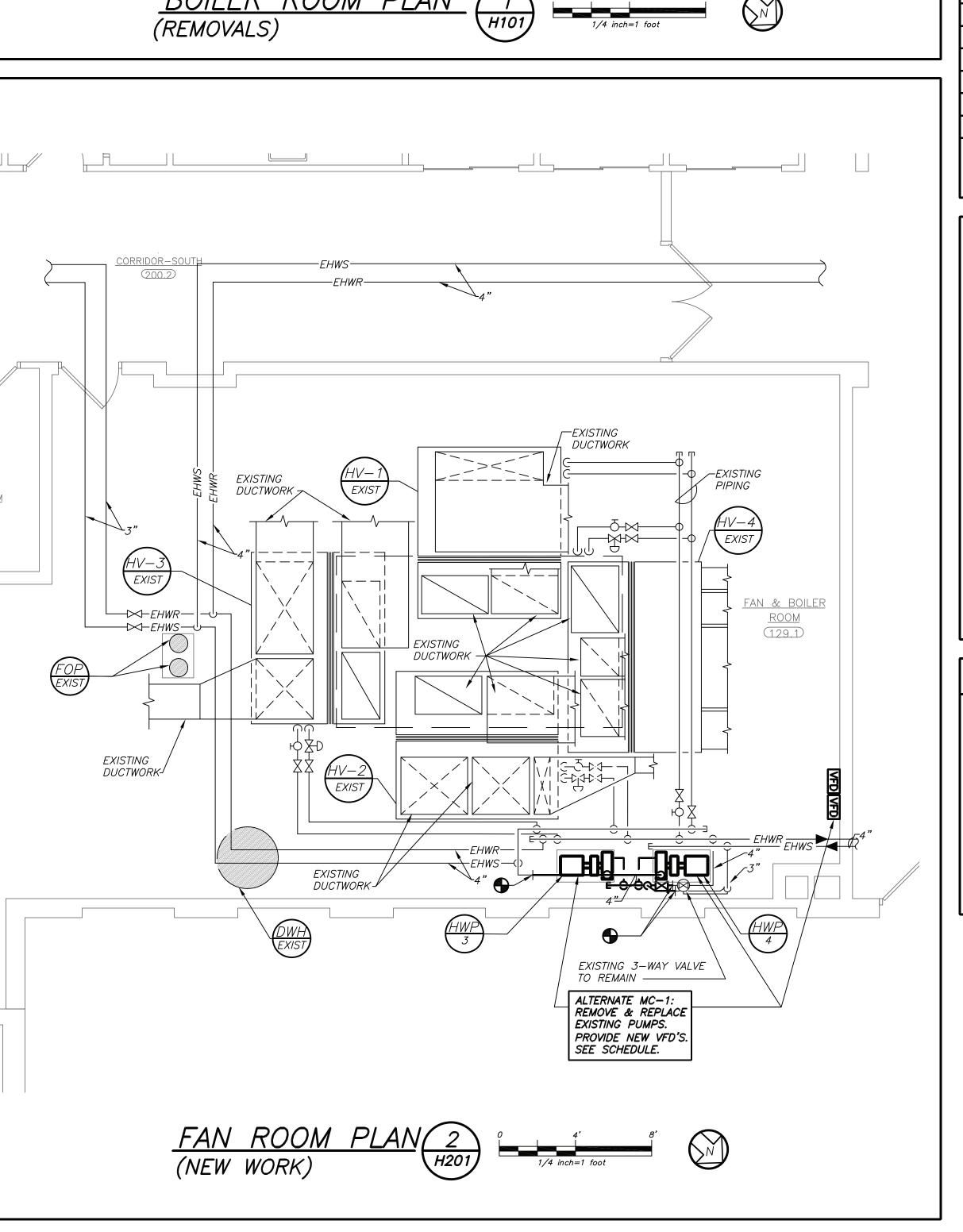
— SUPPORT COLLAR

— DOUBLE-WALLED

INSULATED FLUE

UP THROUGH ROOF

— FLASHING



щΩщ

KEY PLAN NO SCALE

S.E.D. CONTROL NUMBER:

66-19-04-03-0-007-015

03/04/2022 PROGRESS SET DATE ISSUED TO SHEET SIZE 30"x42" DRAWN BY

FILE NO.

22468.00

BGA

CHECKED BY

BGA

VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS.

BEFORE FABRICATION THIS CONTRACTOR SHALL

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

5'-0" MIN
ABOVE ROOF—

EXISTING

ROOF —

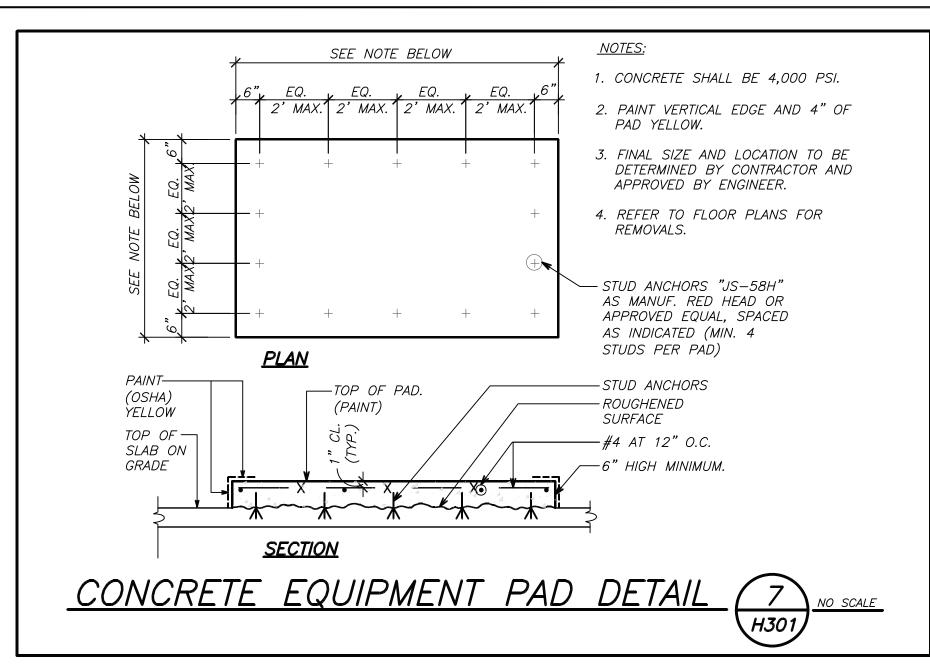
SEPARATOR

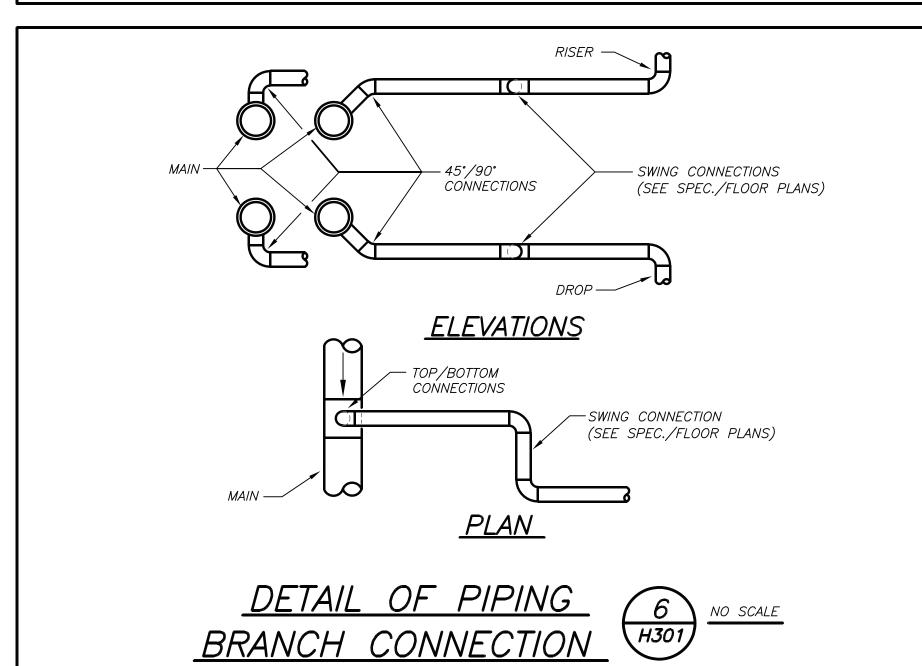
PROVIDE CHAIN

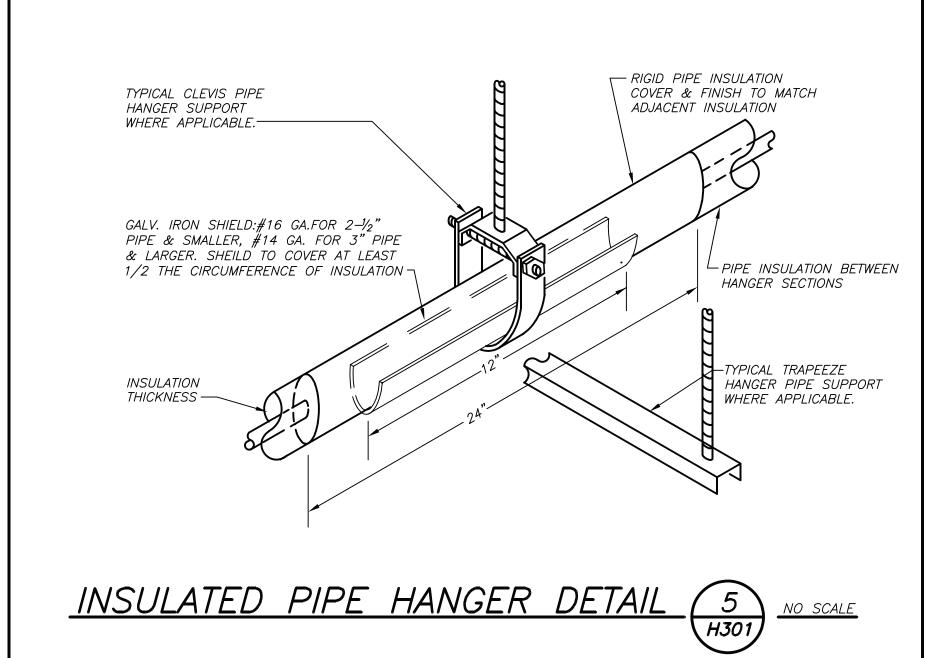
ALL VALVES TO

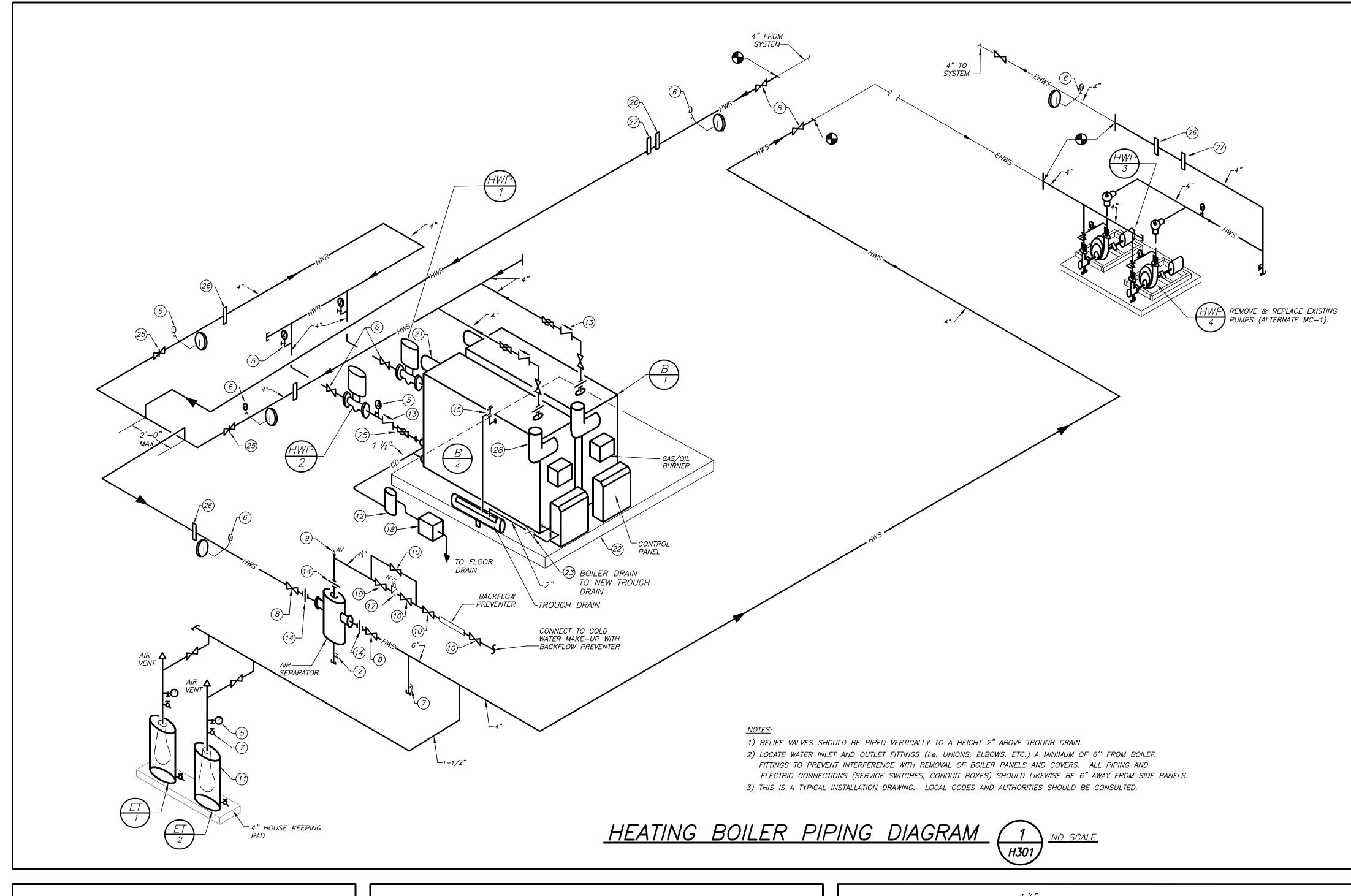
OPERATOR ON

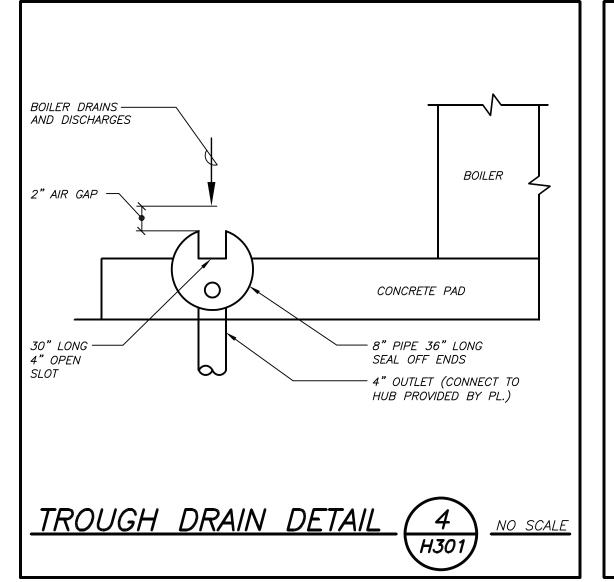
6' A.F.F

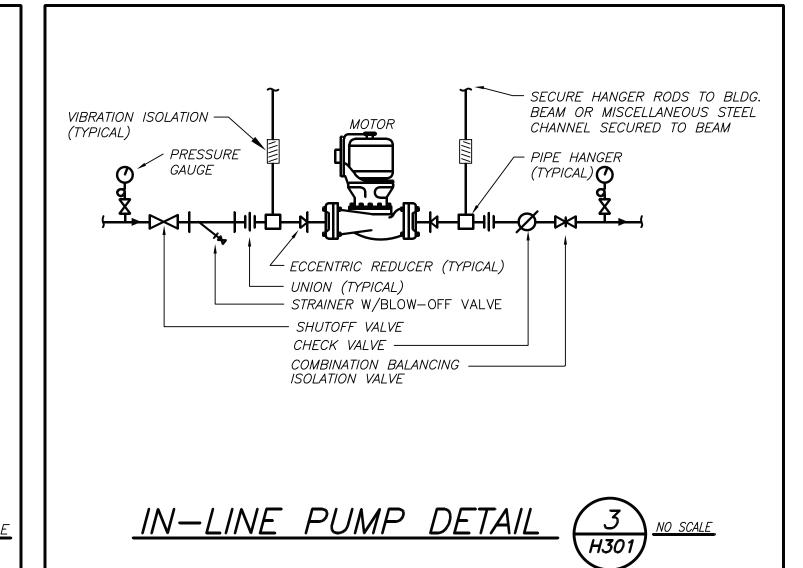


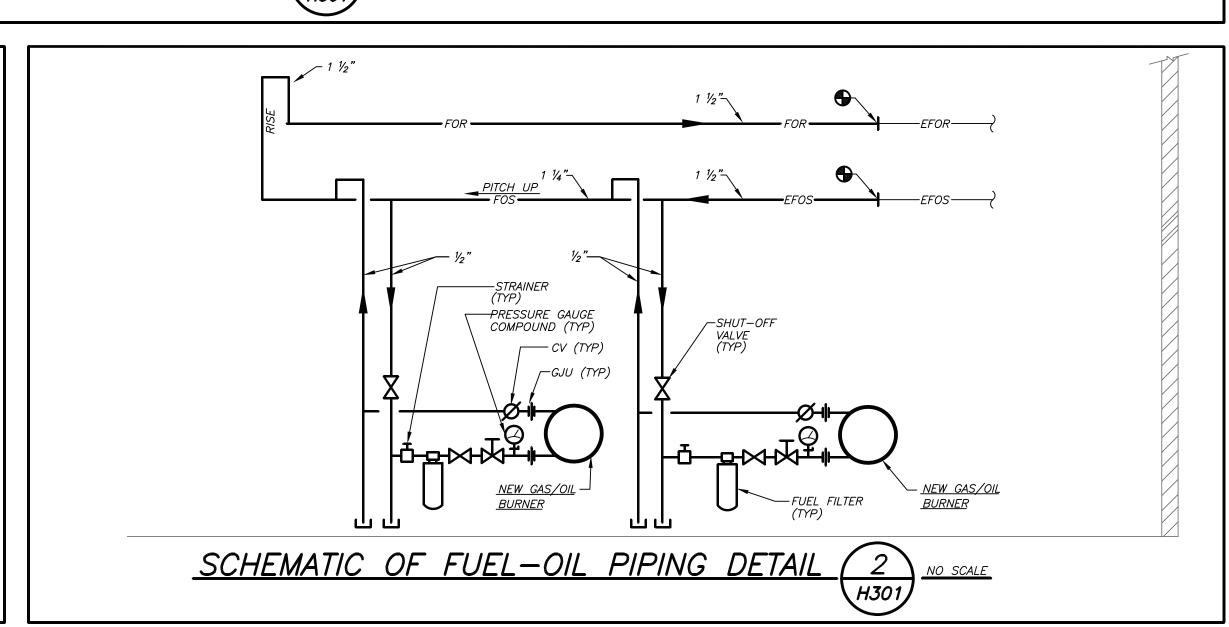












SCHEDULE OF PUMPS											
MARK	SERVICE	LOCATION MODEL N Q		GPM	HEAD FT. H ₂ 0	RPM	MOTOR HP	ELECTRIC V/PH/HZ	REMARKS		
HWP 1	BOILER #1 PRIMARY	BOILER ROOM	SERIES 80 5X5X7	290	25	1770 3.0		208/3/60	REFER TO 123		
HWP 2	BOILER #2 PRIMARY	V			· ·	,	V	V			
HWP 3	BLDG HOT WATER PRIMARY	FAN ROOM	SERIES e-1510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

- $egin{array}{c} N @ O \\ O & O \end{array}$ AS MANUFACTURED BY "BELL & GOSSETT". $egin{array}{c} I & I \\ I & O \end{array}$ INSTALL PUMPS PER MANUFACTURER'S RECOMMENDATIONS.
- S 3 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 DA	OILER DATA BURNER DATA							חסוו בח	DIMENICIONIC	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.)	BUILER TYPE	LxWxH (IN)	OPERATING WEIGHT (LBS)	VOLT/PHASE/HZ	FLA	REMARKS
(B)	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 1 2 3 4 5
<u>B</u> 2			V			V	ļ	ų (V	V		,	,	•	•	v	V	•
(B 1	B BOILER ROOM B 2	BOILER ROOM VANTAGE VTG3000DF	MARK LOCATION MODEL NO BOILER MAX/MIN WATER FLOW (GPM) VANTAGE VTG3000DF 0/290	MARK LOCATION MODEL NO BOILER MAX/MIN WATER FLOW (GPM) GAS INPUT (CFH) VANTAGE VTG3000DF 0/290 3000	MARK LOCATION MODEL No BOILER MAX/MIN WATER FLOW (GPM) GAS INPUT (CFH) FUEL OIL INPUT (GPH) VANTAGE VTG3000DF 0/290 3000 21.4	MARK LOCATION MODEL No BOILER MAX/MIN WATER FLOW (GPM) GAS INPUT (CFH) INPUT (GPH) (MBH) B B C C C C C C C C C C C C C C C C C	BOILER DATA MARK LOCATION MODEL NO MODEL N	BOILER DATA MARK LOCATION MODEL No MODEL No MODEL No MATER FLOW (GPM) MATER FLOW (GPM) MATER FLOW (GPM) MATER FLOW M	BOILER DATA MARK LOCATION MODEL No BOILER MAX/MIN WATER FLOW (GPM) GAS INPUT (CFH) INPUT (GPH) OUTPUT (MBH) FUEL BURNER MOTOR HP BURNER MOTOR HP FUEL OIL MOTOR HP AND GAS 3.0 3/4 B 2	BOILER DATA MARK LOCATION MODEL NO MODEL NO MODEL NO MATER FLOW (GPM) MATER F	BOILER DATA MARK LOCATION MODEL NOTE FLOW (GPM) GAS INPUT (CFH) INPUT (GPH) OUTPUT (MBH) FUEL BURNER FUEL OIL MOTOR HP TYPE BOILER ROOM VANTAGE VTG3000DF 0/290 3000 21.4 2889 #2 OIL AND GAS 3.0 3/4 LO-HI-LO UL/FM(/IRI) B 2	BOILER DATA MARK LOCATION MODEL NO WATER FLOW (GPM) GAS INPUT (CFH) INPUT (GPH) MARY GAS INLET PRESSURE (IN W.C.) B BOILER ROOM VANTAGE VTG3000DF VTG300DF VTG300	BOILER DATA WARK LOCATION MODEL NO WATER FLOW (GPM) GPM PRESSURE (IN W.C.) BOILER ROOM VANTAGE VTG3000DF O 1	BOILER DATA BOILER MAX/MIN WATER FLOW (GPM) GAS INPUT (GFH) INPUT (GPH) MUTOR HP MUTOR	BOILER DATA MARK LOCATION MODEL NO VANTAGE TIGO OLY OF THE NO NO VANTAGE TIGO OLY OF THE NO	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$

- **N** 1 AS MANUFACTURED BY "FULTON".
 - 7 2 INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
 - E 3 MINIMUM TURNDOWN 5:1.
 - 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

	SCI	HEDUL	LE C	F E	LEC	CTRIC	UNIT	HEATER	75		
MARK	MODEL No. 🛈	CAPACITY BTU/HR	DATA AMP	MOTOR HP	MCA	ELECTRIC SERVICE		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.

4 PROVIDE ALL POWER RELAYS AND BACNET

		SCHEDU	JLE OF	EXPANSIC	N TANKS								
S	MARK	MODEL N≗	TANK VOLUME GALS.	ACCEPTANCE VOLUME GALS.	REMARKS								
)	ET 1	B-400	106	106	REFER TO ①②③								
	ET 2		•										
	N (1) AS MANUFACTURED BY "BELL & GOSSETT".												

 $\frac{0}{7}$ (2) INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

E 3 ASME RATED, HORIZONTAL MOUNTING.

06/01/2022 SED ADDENDUM #1 PROGRESS SET DATE ISSUED TO SHEET SIZE 30"x42" H301 DRAWN BY BGA CHECKED BY FILE NO. 22468.00 BGA

ц О ц

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

LIST OF APPURTENANCES

TRIPLE DUTY VALVE (SOFT SEAT)

PRESSURE GUAGE(W/SHUT-OFF COCK)

DRAIN VALVE WITH HOSE END CONNECTION

(WITH CHAIN OPERATOR FOR UNREACHABLE LOCATIONS

DESCRIPTION

UCTION DIFFUSER

FLEXIBLE CONNECTION

CONCENTRIC REDUCER

AUTOMATIC AIR VENT

PRESSURIZED EXPANSION TANK

PRESS./TEMP. RELIEF VALVE GROUT PUMP BASE INTO PAD

REGULATOR W/ BUILT IN CHECK VALVE CONDENSATE PH NEUTRALIZER

CONDENSATE DRAIN TRAP

BALL VALVE

CHECK VALVE

UNION CONNECTION

MANUAL GAS COCK BUTTERFLY VALVE

4" HOUSEKEEPING PAD

GAS PRESSURE REGULATOR

HEADER TEMPERATURE SENSOR

COMBUSTION AIR FAN INTAKE

DIFFERENTIAL PRESSURE SENSOR (VFL

FLUE OUTLET

BOILER DRAIN

BALANCE VALVE

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON OF ALL OTHER CONTRACTORS.

FILE: Y:\PC-RYE UFSD\PC-Rye UFSD - King St. Boiler Replacement (2220.00)\Drawings\HVAC\222000KSESH301.dwg

JOB AND COORDINATE HIS WORK WITH THE WORK