

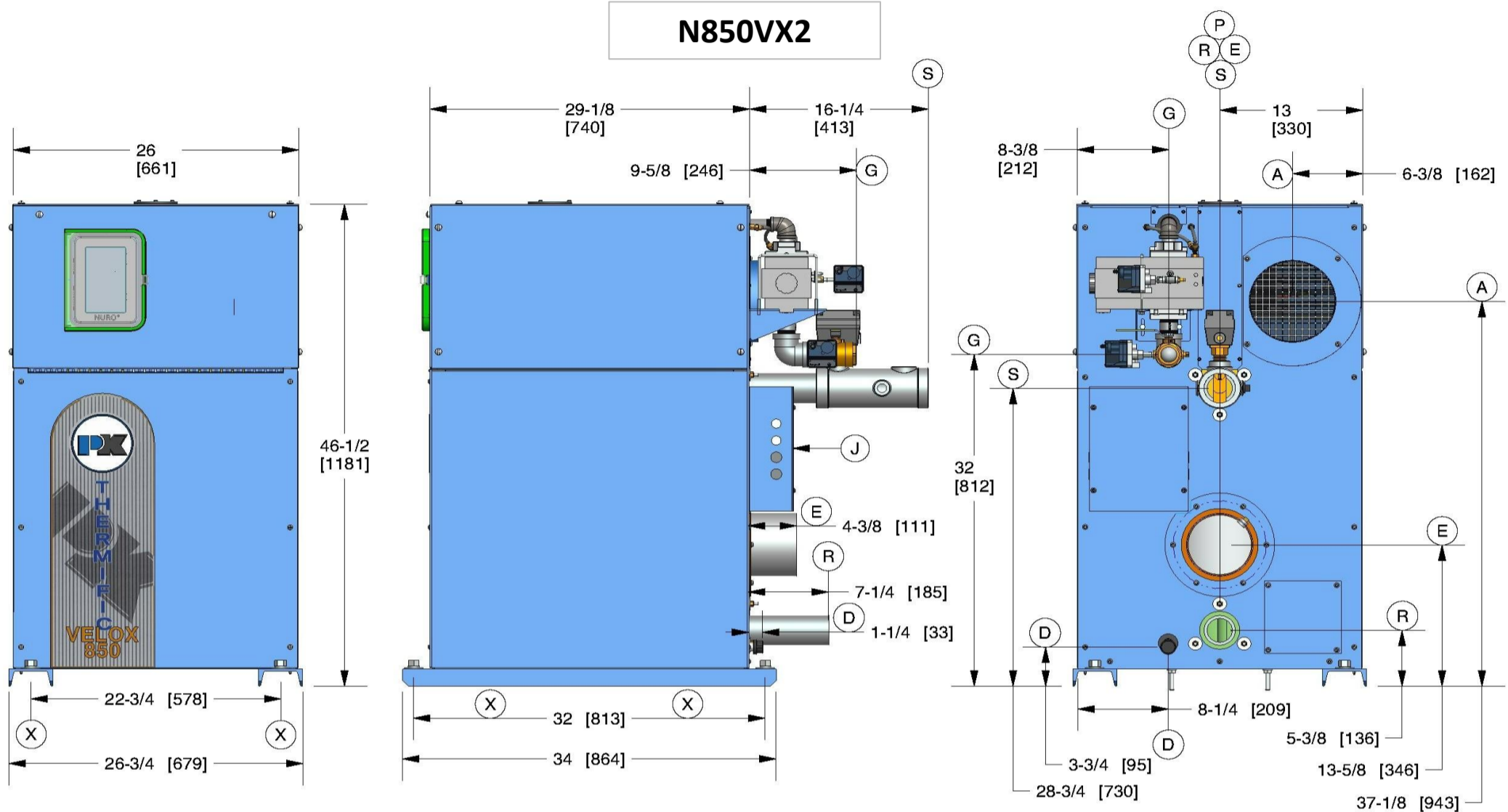
Rep Name: _____

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Date: / / /

N850VX2



VELOX™ boilers require Category I (non-condensing) venting as defined in ANSI Z223.1/NFPA 54/CSA-B.149 Latest Edition.

BOILER CONNECTIONS		
A	Combustion Air Inlet	8" dia. stub
D	Drain (Fireside)	3/4" NPT-M
E	Exhaust Vent	6"
G	Main Gas Connection	1 1/4" NPT-F
J	Wiring Junction Boxes	inside cabinet
P	Pressure Relief Valve	see list for options
R	Boiler Return	2 1/2" NPT-M
S	Boiler Supply	2 1/2" NPT-F
X	Anchor Bolt Locations	(4) 3/4" dia holes

BOILER CONTROLS	
ASME CSD-1 is standard	
Complies with: GE GAP (IRI) guidelines GAP.4.1.0 and GAP.4.1.3	
FM Global 6-4 Section 1.0	
Main Gas Train with Dual Shut-off	
Integrated Boiler Control, NURO Series	
Operating Thermostat, 130°-220°F (54.4°-104°C)	
High Limit Thermostat, Manual Reset, 100°-240°F (38°-116°C)	
High Exhaust Back Pressure Switch	
LWCO/Flow Switch, Paddle Type	
Combustion Air Proving Switch, Differential Pressure Type	
Combustion Blower, Variable Speed, 745.7 Watt	

A.S.M.E. SECTION IV DESIGN DATA	N850	N1500	N2000
Max Pressure	160 PSIG		
Max Allowable Temperature	250°F		
Max Setpoint	220°F		
Heated Wet Surface Area	116 sq. ft.	206 sq. ft.	
Flow Rate @ 20°FΔT	71.4 GPM	126 GPM	168 GPM

MODEL SELECTION			
Boilers	<input type="checkbox"/> N850VX2	<input type="checkbox"/> N1500VX2	<input type="checkbox"/> N2000VX2
Fuel Options	<input type="checkbox"/> Natural Gas		
Min Inlet Gas Pressure	4.0" w.c.		
Max Inlet Gas Pressure	14.0" w.c.		
Input (BTU/hr)	850,000	1,500,000	2,000,000
Output (BTU/hr)	714,000	1,260,000	1,680,000
Boiler HP	21.3	37.6	50.2
Operating Weight	800 lbs.	985 lbs.	
Shipping Weight	820 lbs.	960 lbs.	990 lbs.
Boiler Water Content	6.2 gallons	7.3 gallons	
Shipping Dimensions	54"x32"x52" (LxWxH)	54"x32"x68" (LxWxH)	
Power Supply	<input type="checkbox"/> 120V 1ph 60Hz		
Operating Current	< 10 Amps		
Recommended Minimum Circuit Capacity	10 Amps		

PRESSURE RELIEF VALVE/PRESSURE-TEMPERATURE GAUGE		
Shipped Loose for Field Installation		
<input type="checkbox"/>	30 PSIG 1 1/4"x 1 1/4"	15-160 psi/0-250°F
<input type="checkbox"/>	50 PSIG 1"x 1 1/4"	15-160 psi/0-250°F
<input type="checkbox"/>	60 PSIG 1"x 1"	15-160 psi/0-250°F
<input type="checkbox"/>	75 PSIG 1"x 1"	15-160 psi/0-250°F
<input type="checkbox"/>	80 PSIG 3/4"x 1"	15-160 psi/0-250°F
<input type="checkbox"/>	100 PSIG 3/4"x 3/4"	15-160 psi/0-250°F
<input type="checkbox"/>	125 PSIG 3/4"x 3/4"	15-160 psi/0-250°F
<input type="checkbox"/>	150 PSIG 3/4"x 3/4"	15-160 psi/0-250°F

RECOMMENDED CLEARANCE FOR SERVICE ACCESS			
Front - 36"	Top - 24"	Left Side - 24"	Right Side - 24"
Rear - 24"			

Notes:
 - Victaulic is a registered trademark of Victaulic Company, Easton PA, USA
 - Patterson-Kelley reserves the right to make changes at any time without notification

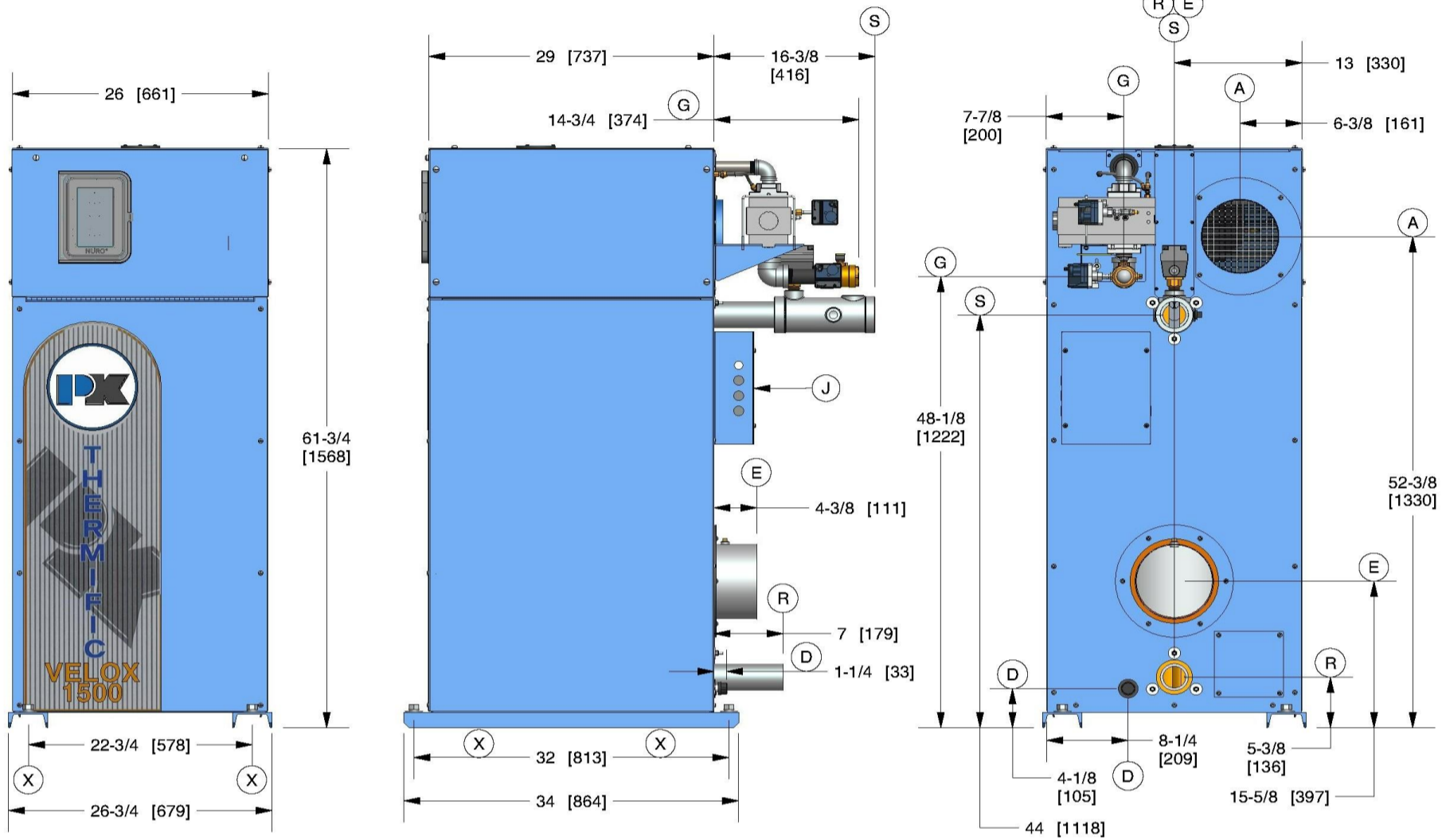
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N1500VX2



VELOX™ boilers require Category I (non-condensing) venting as defined in ANSI Z223.1/NFPA 54/CSA-B.149 Latest Edition.

BOILER CONECTIONS		
A	Combustion Air Inlet	8" dia. stub
D	Drain (Fireside)	3/4" NPT-M
E	Exhaust Vent	8"
G	Main Gas Connection	1 1/4" NPT-F
J	Wiring Junction Boxes	inside cabinet
P	Pressure Relief Valve	see list for options
R	Boiler Return	2 1/2" NPT-M
S	Boiler Supply	2 1/2" NPT-F
X	Anchor Bolt Locations	(4) 3/4" dia holes

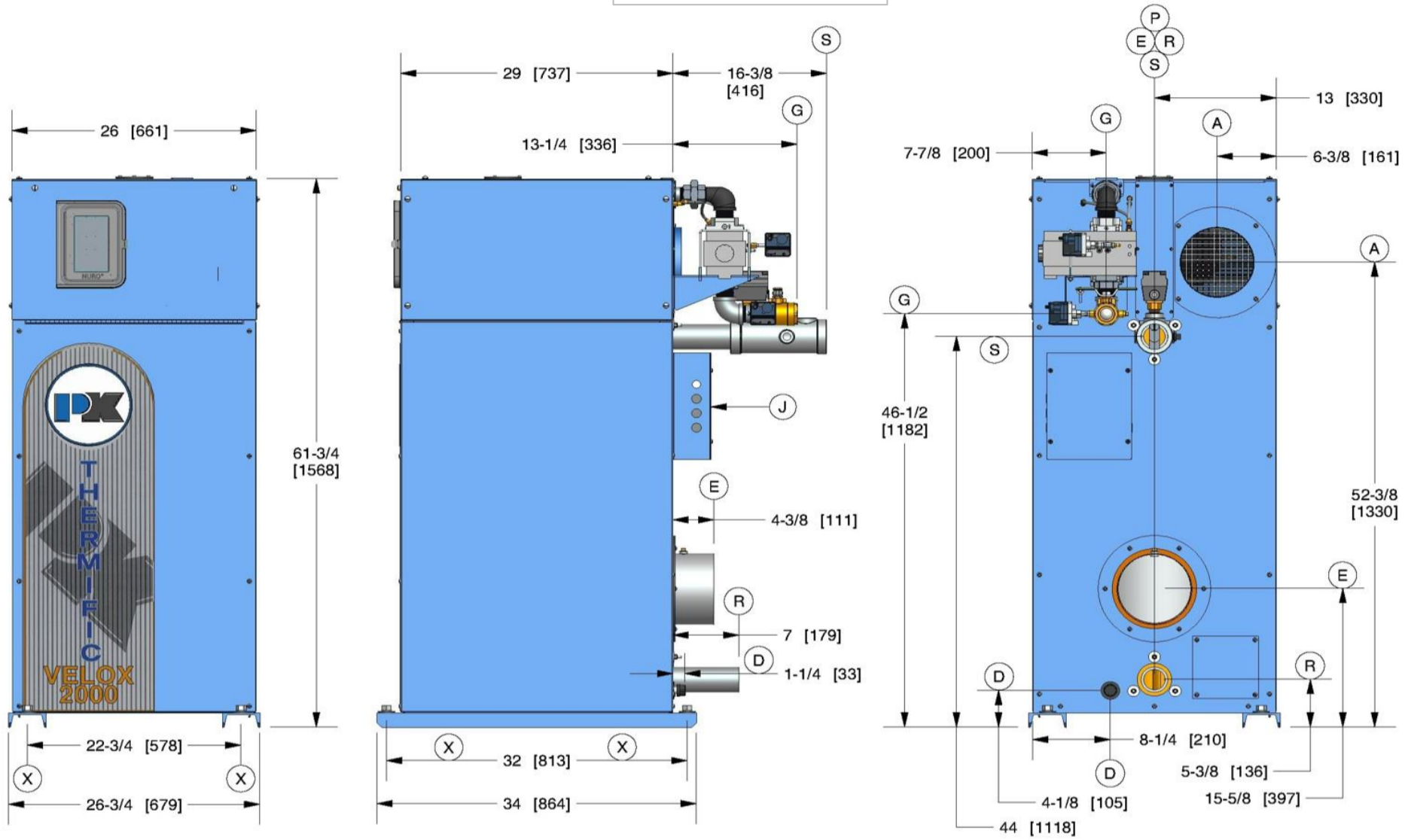
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N2000VX2



VELOX™ boilers require Category I (non-condensing) venting as defined in ANSI Z223.1/NFPA 54/CSA-B.149 Latest Edition.

BOILER CONECTIONS		
A	Combustion Air Inlet	8" dia. stub
D	Drain (Fireside)	3/4" NPT-M
E	Exhaust Vent	8"
G	Main Gas Connection	1 1/2" NPT-F
J	Wiring Junction Boxes	inside cabinet
P	Pressure Relief Valve	see list for options
R	Boiler Return	2 1/2" NPT-M
S	Boiler Supply	2 1/2" NPT-F
X	Anchor Bolt Locations	(4) 3/4" dia holes