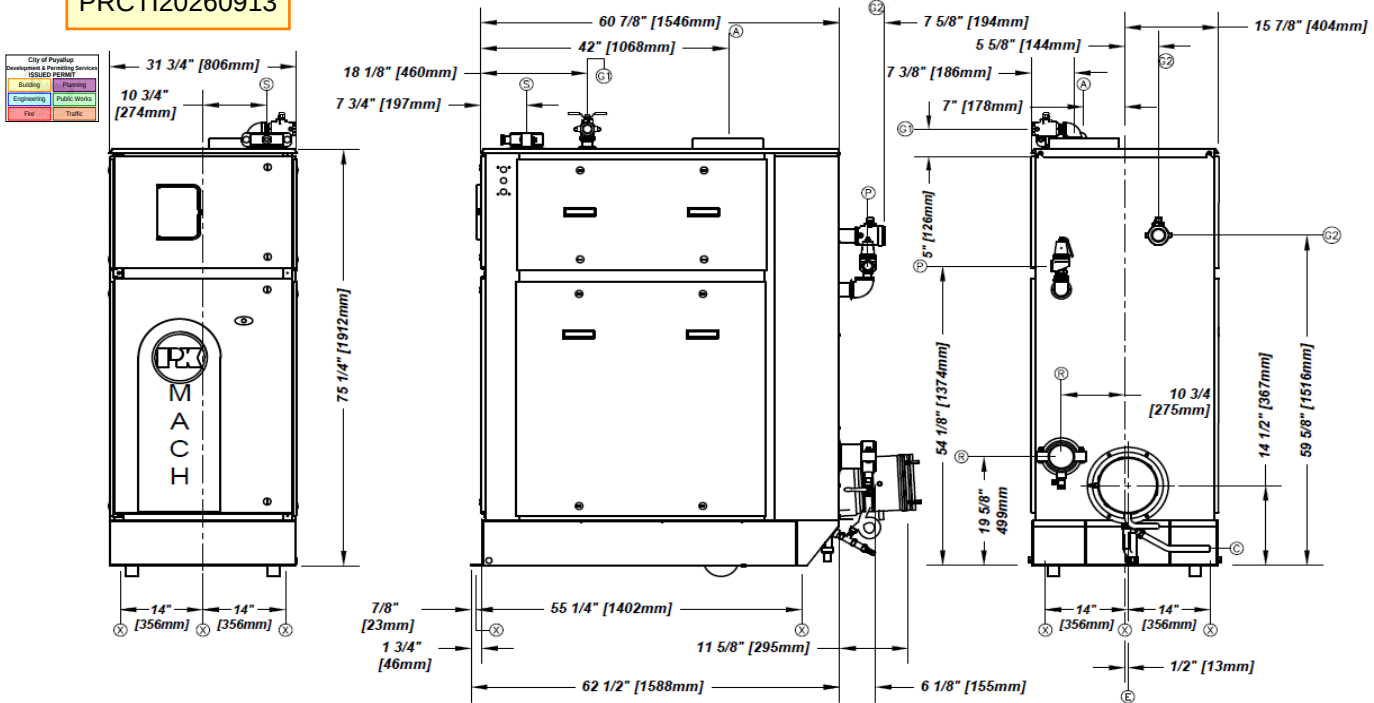


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Date: **06 / 01 / 2026**

PRCTI20260913



This MACH boiler requires Category IV venting (condensing-positive pressure) or Category II venting[†] (condensing -negative pressure) as defined in ANSI Z223.1/NFPA 54/CSA-B.149 latest edition.
[†]Category II venting must include the optional combustion air damper

BOILER CONECTIONS		
A	Combustion Air Inlet	12" dia. stub
C	Condensate Drain	3/4" hose
E	Exhaust Vent	10"
G1	Propane Gas	1 1/2" NPT-F
G2	Natural Gas	2" NPT-F
J	Wiring Junction Boxes	inside cabinet
P	Pressure Relief Valve	see list for options
R	Boiler Return, Victaulic® clamp	4" pipe, grooved
S	Boiler Supply, Victaulic clamp	4" pipe, grooved
X	Anchor Bolt Locations	(6) 9/16" 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, 42°-195°F (5.6°-91°C)	
High Limit Thermostat, Manual Reset, 100°-197°F (38°-92°C)	
High Exhaust Back Pressure Switch	
LWCO, Probe Type, Manual Reset	
Combustion Air Proving Switch, Differential Pressure Type	
Combustion Blower, Variable Speed, 2500 Watt	

A.S.M.E. SECTION IV DESIGN DATA	
Max Pressure	125 PSIG
Max Allowable Temperature	220°F
Max Setpoint	185°F
Heated Wet Surface Area	78.9 sq. ft.
Flow Rate @ 20°FΔT	372 GPM
Flow Rate @ 40°FΔT	186 GPM

MODEL SELECTION	
Boilers	☒ C4000
Fuel Options	☒ Natural Gas ☐ Dual Fuel ☐ Liquid Propane
Min Inlet Gas Pressure	3.0" w.c.
Max Inlet Gas Pressure	14" w.c.
Input (BTU/hr)	4,000,000
Output (BTU/hr)	3,720,000
Boiler HP	113.5
Operating Weight	1900 lbs. *
Shipping Weight	2100 lbs. *
Boiler Water Content	24.5 gallons
Shipping Dimensions	36"x84"x87" (LxWxH)
Power Supply	☐ 208-240V, 3ph, 60Hz ☐ 440-480V, 3ph, 60Hz
Operating Current	< 20 Amps
Recommended Minimum Circuit Capacity	20 Amps

*Add 100 lbs. for Dual Fuel models

PRESSURE RELIEF VALVE/PRESSURE-TEMPERATURE GAUGE		
Shipped Loose for Field Installation		
☐ 30 PSIG 2"x 2"		15-160 psi/0-250°F
☐ 50 PSIG 1 1/2"x 1 1/2"		15-160 psi/0-250°F
☐ 60 PSIG 1 1/4"x 1 1/2"		15-160 psi/0-250°F
☒ 75 PSIG 1 1/4"x 1 1/4"		15-160 psi/0-250°F
☐ 80 PSIG 1 1/4"x 1 1/4"		15-160 psi/0-250°F
☐ 100 PSIG 1"x 1 1/4"		15-160 psi/0-250°F
☐ 125 PSIG 1"x 1"		15-160 psi/0-250°F

RECOMMENDED CLEARANCE FOR SERVICE ACCESS				
Front - 30"	Rear - 12"	Top - 12"	Left Side - 18"	Right Side - 18"

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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