

SUBMITTAL FORM P-RH1 Flush Mount Roof Hydrant

JOB NAME

JOB LOCATION

PART NO#

ARCHITECT

ENGINEER











CONTRACTOR

FEATURES

- With Integral P-004 Vacuum Breaker and Dual Backflow Preventer
- Patented PRIER "triple seal" positive shutoff system offers triple redundancy to assure shutoff
- High flow rate, 15 gallons per minute at 25 PSI differential
- Adjustable bracket to accommodate roof angles up to 2/12 pitch

Certifications

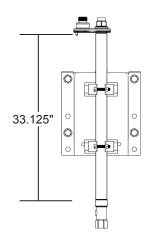
- ASSE 1052
- C-UPC
- CSA B64.2
- ASME B1.20.1

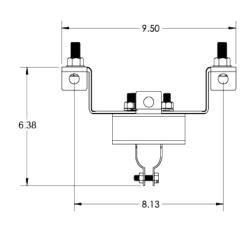
■ PART NUMBER

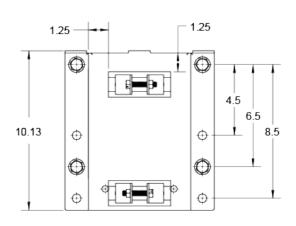
P-R<u>H1</u>

▶ H1- Flush Mount Roof Hydrant Includes Roof Hydrant Mounting Bracket

■ DIMENSIONS



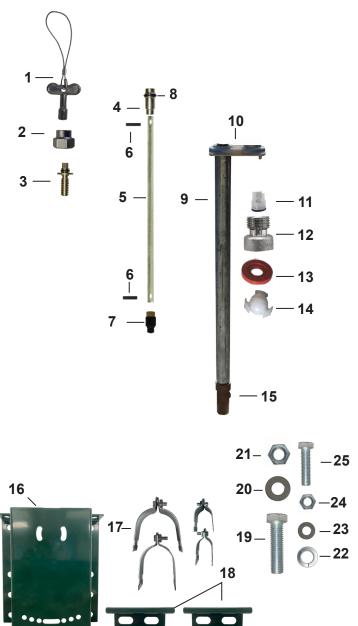






SUBMITTAL FORM P-RH1 Flush Mount Roof Hydrant

■ MATERIALS



ID PART		Γ	T
2 Valve Stem Cap 3 Worm Drive EPDM and Brass 4 Worm Sleeve EPDM and Brass 5 Stem Brass 6 Stopper Pin Stainless Steel 7 Stopper EPDM and Brass 8 O-Ring EPDM 9 Body Galvanized Steel 10 Head Brass 11 Check Valve Neoperl 12 Hose Piece Brass 13 Washer Silicone 14 Check Spider Acetal 15 Seat Brass 16 Mounting Bracket Powder Coated Steel 17 1" Pipe Clamp Assembly for P-RH1, P-RH2, P-RH3 2 ½" Pipe Clamp Assembly for P-RH4 18 Unistrut Steel Struts Powder Coated Steel 20 ½" Flat Washer Zinc Plated Steel 21 ½" Mounting Bult Zinc Plated Steel 22 ½" Flat Washer Zinc Plated Steel 23 ½" Lock Washer Zinc Plated Steel 25 ½" Lock Washer Zinc Plated Steel 27 ½" Mounting Nut Zinc Plated Steel 28 ½" Lock Washer Zinc Plated Steel 29 ½" Lock Washer Zinc Plated Steel	ID	PART	MATERIAL
3 Worm Drive EPDM and Brass 4 Worm Sleeve EPDM and Brass 5 Stem Brass 6 Stopper Pin Stainless Steel 7 Stopper EPDM and Brass 8 O-Ring EPDM 9 Body Galvanized Steel 10 Head Brass 11 Check Valve Neoperl 12 Hose Piece Brass 13 Washer Silicone 14 Check Spider Acetal 15 Seat Brass 16 Mounting Bracket Powder Coated Steel 17 1" Pipe Clamp Assembly for P-RH1, P-RH2, P-RH3 2 1" Pipe Clamp Assembly for P-RH4 18 Unistrut Steel Struts Powder Coated Steel 19 ½" Mounting Bolt Zinc Plated Steel 20 ½" Flat Washer Zinc Plated Steel 21 ½" Mounting Nut Zinc Plated Steel 22 ¾" Lock Washer Zinc Plated Steel 23 ¾" Flat Washer Zinc Plated Steel	1	Loose Key	Zinc and Aluminum
4 Worm Sleeve EPDM and Brass 5 Stem Brass 6 Stopper Pin Stainless Steel 7 Stopper EPDM and Brass 8 O-Ring EPDM 9 Body Galvanized Steel 10 Head Brass 11 Check Valve Neoperl 12 Hose Piece Brass 13 Washer Silicone 14 Check Spider Acetal 15 Seat Brass 16 Mounting Bracket Powder Coated Steel 17 1" Pipe Clamp Assembly for P-RH1, P-RH2, P-RH3 2 ½" Pipe Clamp Assembly for P-RH4 18 Unistrut Steel Struts Powder Coated Steel 19 ½" Mounting Bolt Zinc Plated Steel 20 ½" Flat Washer Zinc Plated Steel 21 ½" Mounting Nut Zinc Plated Steel 22 ¾" Lock Washer Zinc Plated Steel 23 ¾" Lock Washer Zinc Plated Steel	2	Valve Stem Cap	Brass
5 Stem Brass 6 Stopper Pin Stainless Steel 7 Stopper EPDM and Brass 8 O-Ring EPDM 9 Body Galvanized Steel 10 Head Brass 11 Check Valve Neoperl 12 Hose Piece Brass 13 Washer Silicone 14 Check Spider Acetal 15 Seat Brass 16 Mounting Bracket Powder Coated Steel 17 1" Pipe Clamp Assembly for P-RH1, P-RH2, P-RH3 2 1½" Pipe Clamp Assembly for P-RH4 18 Unistrut Steel Struts Powder Coated Steel 19 ½" Mounting Bolt Zinc Plated Steel 20 ½" Flat Washer Zinc Plated Steel 21 ½" Mounting Nut Zinc Plated Steel 21 ½" Mounting Nut Zinc Plated Steel 22 3%" Lock Washer Zinc Plated Steel	3	Worm Drive	EPDM and Brass
6 Stopper Pin Stainless Steel 7 Stopper EPDM and Brass 8 O-Ring EPDM 9 Body Galvanized Steel 10 Head Brass 11 Check Valve Neoperl 12 Hose Piece Brass 13 Washer Silicone 14 Check Spider Acetal 15 Seat Brass 16 Mounting Bracket Powder Coated Steel 17 1" Pipe Clamp Assembly for P-RH1, P-RH2, P-RH3 2 ½" Pipe Clamp Assembly for P-RH4 18 Unistrut Steel Struts Powder Coated Steel 19 ½" Mounting Bolt Zinc Plated Steel 20 ½" Flat Washer Zinc Plated Steel 21 ½" Mounting Nut Zinc Plated Steel 22 %" Lock Washer Zinc Plated Steel 23 %" Lock Washer Zinc Plated Steel	4	Worm Sleeve	EPDM and Brass
7 Stopper EPDM and Brass 8 O-Ring EPDM 9 Body Galvanized Steel 10 Head Brass 11 Check Valve Neoperl 12 Hose Piece Brass 13 Washer Silicone 14 Check Spider Acetal 15 Seat Brass 16 Mounting Bracket Powder Coated Steel 17 1" Pipe Clamp Assembly for P-RH1, P-RH2, P-RH3 2 1½" Pipe Clamp Assembly for P-RH4 18 Unistrut Steel Struts Powder Coated Steel 19 1½" Mounting Bolt Zinc Plated Steel 20 1½" Flat Washer Zinc Plated Steel 21 1½" Mounting Nut Zinc Plated Steel 22 3%" Lock Washer Zinc Plated Steel 23 3%" Flat Washer Zinc Plated Steel	5	Stem	Brass
8 O-Ring EPDM 9 Body Galvanized Steel 10 Head Brass 11 Check Valve Neoperl 12 Hose Piece Brass 13 Washer Silicone 14 Check Spider Acetal 15 Seat Brass 16 Mounting Bracket Powder Coated Steel 17 1" Pipe Clamp Assembly for P-RH1, P-RH2, P-RH3 2 ½" Pipe Clamp Assembly for P-RH4 18 Unistrut Steel Struts Powder Coated Steel 19 ½" Mounting Bolt Zinc Plated Steel 20 ½" Flat Washer Zinc Plated Steel 21 ½" Mounting Nut Zinc Plated Steel 22 ¾" Lock Washer Zinc Plated Steel 23 ¾" Flat Washer Zinc Plated Steel	6	Stopper Pin	Stainless Steel
9 Body Galvanized Steel 10 Head Brass 11 Check Valve Neoperl 12 Hose Piece Brass 13 Washer Silicone 14 Check Spider Acetal 15 Seat Brass 16 Mounting Bracket Powder Coated Steel 17 1" Pipe Clamp Assembly for P-RH1, P-RH2, P-RH3 2 ½" Pipe Clamp Assembly for P-RH4 18 Unistrut Steel Struts Powder Coated Steel 19 ½" Mounting Bolt Zinc Plated Steel 20 ½" Flat Washer Zinc Plated Steel 21 ½" Mounting Nut Zinc Plated Steel 22 ¾" Lock Washer Zinc Plated Steel 23 ¾" Flat Washer Zinc Plated Steel	7	Stopper	EPDM and Brass
10 Head Brass 11 Check Valve Neoperl 12 Hose Piece Brass 13 Washer Silicone 14 Check Spider Acetal 15 Seat Brass 16 Mounting Bracket Powder Coated Steel 17 1" Pipe Clamp Assembly for P-RH1, P-RH2, P-RH3 2 ½" Pipe Clamp Assembly for P-RH4 18 Unistrut Steel Struts Powder Coated Steel 19 ½" Mounting Bolt Zinc Plated Steel 20 ½" Flat Washer Zinc Plated Steel 21 ½" Mounting Nut Zinc Plated Steel 22 ¾" Lock Washer Zinc Plated Steel 23 ¾" Flat Washer Zinc Plated Steel	8	O-Ring	EPDM
11 Check Valve Neoperl 12 Hose Piece Brass 13 Washer Silicone 14 Check Spider Acetal 15 Seat Brass 16 Mounting Bracket Powder Coated Steel 17 1" Pipe Clamp Assembly for P-RH1, P-RH2, P-RH3 2 ½" Pipe Clamp Assembly for P-RH4 18 Unistrut Steel Struts Powder Coated Steel 19 ½" Mounting Bolt Zinc Plated Steel 20 ½" Flat Washer Zinc Plated Steel 21 ½" Mounting Nut Zinc Plated Steel 22 ¾" Lock Washer Zinc Plated Steel 23 ¾" Flat Washer Zinc Plated Steel	9	Body	Galvanized Steel
12 Hose Piece Brass 13 Washer Silicone 14 Check Spider Acetal 15 Seat Brass 16 Mounting Bracket Powder Coated Steel 17 1" Pipe Clamp Assembly for P-RH1, P-RH2, P-RH3 2 ½" Pipe Clamp Assembly for P-RH4 18 Unistrut Steel Struts Powder Coated Steel 19 ½" Mounting Bolt Zinc Plated Steel 20 ½" Flat Washer Zinc Plated Steel 21 ½" Mounting Nut Zinc Plated Steel 22 ¾" Lock Washer Zinc Plated Steel 23 ¾" Flat Washer Zinc Plated Steel	10	Head	Brass
13 Washer Silicone 14 Check Spider Acetal 15 Seat Brass 16 Mounting Bracket Powder Coated Steel 17 1" Pipe Clamp Assembly for P-RH1, P-RH2, P-RH3 2 ½" Pipe Clamp Assembly for P-RH4 18 Unistrut Steel Struts Powder Coated Steel 19 ½" Mounting Bolt Zinc Plated Steel 20 ½" Flat Washer Zinc Plated Steel 21 ½" Mounting Nut Zinc Plated Steel 22 ¾" Lock Washer Zinc Plated Steel 23 ¾" Flat Washer Zinc Plated Steel	11	Check Valve	Neoperl
14 Check Spider Acetal 15 Seat Brass 16 Mounting Bracket Powder Coated Steel 17 1" Pipe Clamp Assembly for P-RH1, P-RH2, P-RH3 2 ½" Pipe Clamp Assembly for P-RH4 18 Unistrut Steel Struts Powder Coated Steel 19 ½" Mounting Bolt Zinc Plated Steel 20 ½" Flat Washer Zinc Plated Steel 21 ½" Mounting Nut Zinc Plated Steel 22 ¾" Lock Washer Zinc Plated Steel 23 ¾" Flat Washer Zinc Plated Steel	12	Hose Piece	Brass
15 Seat Brass 16 Mounting Bracket Powder Coated Steel 17 Pipe Clamp Assembly for P-RH1, P-RH2, P-RH3 2 ½" Pipe Clamp Assembly for P-RH4 18 Unistrut Steel Struts Powder Coated Steel 19 ½" Mounting Bolt Zinc Plated Steel 20 ½" Flat Washer Zinc Plated Steel 21 ½" Mounting Nut Zinc Plated Steel 22 ¾" Lock Washer Zinc Plated Steel 23 ¾" Flat Washer Zinc Plated Steel	13	Washer	Silicone
16 Mounting Bracket Powder Coated Steel 17 1" Pipe Clamp Assembly for P-RH1, P-RH2, P-RH3 2 ½" Pipe Clamp Assembly for P-RH4 18 Unistrut Steel Struts Powder Coated Steel 19 ½" Mounting Bolt Zinc Plated Steel 20 ½" Flat Washer Zinc Plated Steel 21 ½" Mounting Nut Zinc Plated Steel 22 ¾" Lock Washer Zinc Plated Steel 23 ¾" Flat Washer Zinc Plated Steel	14	Check Spider	Acetal
17 1" Pipe Clamp Assembly for P-RH1, P-RH2, P-RH3 2 1½" Pipe Clamp Assembly for P-RH4 18 Unistrut Steel Struts 19 1½" Mounting Bolt 20 1½" Flat Washer 21 1½" Mounting Nut 21 1½" Mounting Nut 22 1½" Lock Washer 23 1½" Flat Washer 24 25 26 26 27 26 27 26 27 26 27 26 27 26 27 26 27 27 27 27 27 27 27 27 27 27 27 27 27	15	Seat	Brass
P-RH1, P-RH2, P-RH3 2 ½" Pipe Clamp Assembly for P-RH4 Is Unistrut Steel Struts Powder Coated Steel 19 ½" Mounting Bolt Zinc Plated Steel 20 ½" Flat Washer Zinc Plated Steel 21 ½" Mounting Nut Zinc Plated Steel 22 ¾" Lock Washer Zinc Plated Steel 23 ¾" Flat Washer Zinc Plated Steel	16	Mounting Bracket	Powder Coated Steel
P-RH4 18 Unistrut Steel Struts Powder Coated Steel 19 ½" Mounting Bolt Zinc Plated Steel 20 ½" Flat Washer Zinc Plated Steel 21 ½" Mounting Nut Zinc Plated Steel 22 ¾" Lock Washer Zinc Plated Steel	17		Zinc Plated Steel
19 ½" Mounting Bolt Zinc Plated Steel 20 ½" Flat Washer Zinc Plated Steel 21 ½" Mounting Nut Zinc Plated Steel 22 ¾" Lock Washer Zinc Plated Steel 23 ¾" Flat Washer Zinc Plated Steel			Zinc Plated Steel
20 ½" Flat Washer Zinc Plated Steel 21 ½" Mounting Nut Zinc Plated Steel 22 ¾" Lock Washer Zinc Plated Steel 23 ¾" Flat Washer Zinc Plated Steel	18	Unistrut Steel Struts	Powder Coated Steel
21 ½" Mounting Nut Zinc Plated Steel 22 ¾" Lock Washer Zinc Plated Steel 23 ¾" Flat Washer Zinc Plated Steel	19	½" Mounting Bolt	Zinc Plated Steel
22 3/8" Lock Washer Zinc Plated Steel 23 3/8" Flat Washer Zinc Plated Steel	20	½" Flat Washer	Zinc Plated Steel
23 3/8" Flat Washer Zinc Plated Steel	21	½" Mounting Nut	Zinc Plated Steel
	22	%" Lock Washer	Zinc Plated Steel
24 1%" Hex Nut Zinc Plated Steel	23	%" Flat Washer	Zinc Plated Steel
	24	%" Hex Nut	Zinc Plated Steel
25 1/8" Bolt Zinc Plated Steel	25	¾" Bolt	Zinc Plated Steel

SPECIFICATIONS

Furnish and install Model P-RH1 Commercial Flush Mount Roof Hydrant manufactured by PRIER Products, Inc. Hydrant shall be installed through a 1 ¾" single penetration in the roof and mounted to the interior structure with the Universal Roof Hydrant Mounting Bracket (P-RMB) provided. This bracket must be manufactured of heavy gauge powder coated steel and must allow for adjustment to meet roof angles up to 2/12 pitch. The mounting bracket shall be mounted to concrete, a roofing truss, steel I-beam or interior wall with standard construction materials (threaded rod, Unistrut or other). The hydrant shall be flush mounted and have automatic draining capabilities with integral vacuum breaker/backflow preventer. Hydrant head and inlet shall be brass with freezeless water flow and self draining functions, one piece valve plunger, satin nickel finish and a triple-seal shut off mechanism. Hydrant shall be capable of flowing a minimum of 15 gallons per minute at 25 PSI differential. The hydrant shall have a ¾" inlet and a ¾" NPT drainage port to be connected to the drain waste line inside the structure. Hydrant shall be approved under the ASSE 1052 standard. The roof penetration is to be sealed by the roofing contractor in accordance with the roofing codes and conditions in their municipality.