



Submittal - 024 Pump Station

Jamison Bleed Rings (Submittal on the following page(s), this sheet is the response page)

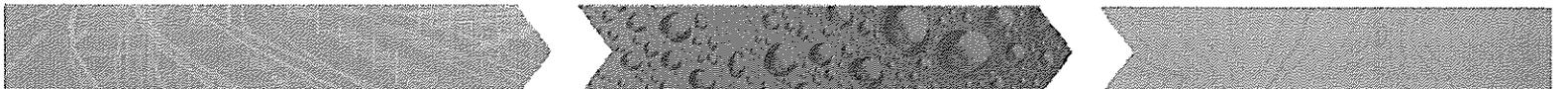
Response:

MKEC ENGINEERING, INC.
 411 North Webb Road - Wichita, KS 67206

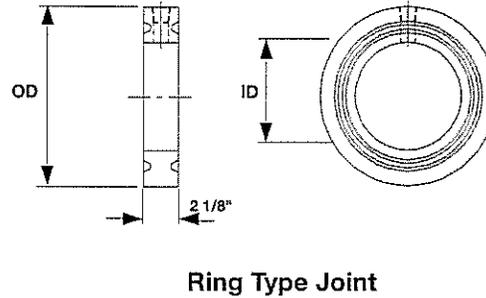
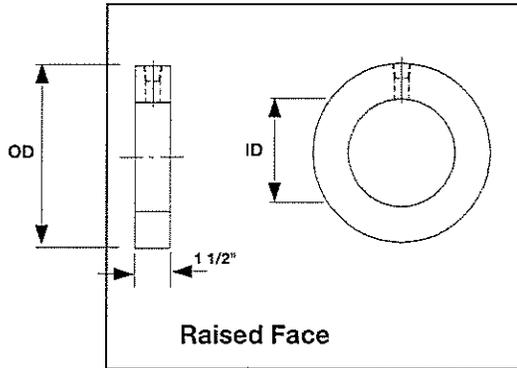
Reviewed Reviewed As Noted
 Revise and Resubmit Rejected
 Not Required by the Contract Documents

Reviewed for conformance with the design concept of the project and compliance with the information given in the contract documents. Contractor is responsible for dimensions to be confirmed and correlated at the job site; information that pertains solely to the fabrication process or to techniques of construction; and coordination of work of all other trades. If "Resubmit" or "Rejected" are not checked resubmission is neither desired or required.

By Bill Shull Date 6-29-16



BLEED/TEST RINGS



RAISED FACE

Pipe Size	All sizes	150#		300#		600#		900#		1500#	
	ID	OD	Weight	OD	Weight	OD	Weight	OD	Weight	OD	Weight
1	1.32	2.50	2	2.75	2	2.75	2	3	3	3	3
1 1/2	1.90	3.25	3	3.63	3	3.625	3	3.75	4	3.75	4
2	2.38	4.00	4	4.25	5	4.25	5	5.5	9	5.5	9
2 1/2	2.88	4.75	5	5.00	6	5	6	6.375	11	6.375	11
3	3.50	5.25	6	5.75	8	5.75	8	6.5	11	6.75	12
4	4.50	6.75	9	7.00	11	7.5	13	8	16	8.125	16
6	6.63	8.63	12	9.75	19	10.375	23	11.25	30	11	28
8	8.63	10.88	18	12.00	27	12.5	31	14	44	13.75	42
10	10.75	13.25	24	14.13	32	15.58	47	17	62	17	62
12	12.75	16.00	37	16.50	43	17.75	57	19.375	77	20.25	89

RING TYPE JOINTS

Pipe Size	All sizes	300,600#	Ring #	900#	Ring #	1500#	Ring #	2500#	Ring #
	ID	OD		OD		OD		OD	
1	1.32	2.75	R-16	2.81	R-16	2.812	R-16	3.25	R-18
1-1/2	1.90	3.56	R-20	3.63	R-20	3.625	R-20	4.5	R-23
2	2.38	4.25	R-23	4.88	R-24	4.875	R-24	5.25	R-26
2-1/2	2.88	5.00	R-26	5.38	R-27	5.375	R-27	5.875	R-28
3	3.50	5.75	R-31	6.13	R-31	6.625	R-35	6.625	R-32
4	4.50	6.88	R-37	7.13	R-37	7.625	R-39	8	R-38
6	6.63	9.50	R-45	9.50	R-45	9.75	R-46	11	R-47
8	8.63	11.88	R-49	12.13	R-49	12.5	R-50	13.375	R-51
10	10.75	14.00	R-53	14.25	R-53	14.625	R-54	16.75	R-55
12	12.75	16.25	R-57	16.50	R-57	17.25	R-58	19.5	R-60

Standard Features:

Thicknesses based on carbon steel A105/A516 Gr.70 or SS304/316
 Serrated machined face in accordance with ASME B16.5:
 → For ANSI 150# and 300# 250-500 AARH
 For ANSI 600# and above 125-250 AARH
 → 1/2" NPT Tap for Raised Face, 3/4" tap for RTJ
 Octagonal ring on Male RTJ's, unless oval is specified.

Options:

Socket weld tap
 Larger sizes and pressure ratings available
 Alloy materials and special coatings.
 3/4" Tap

304 SS Nipples and Ball Valves will be used to connect to 1/2" tap