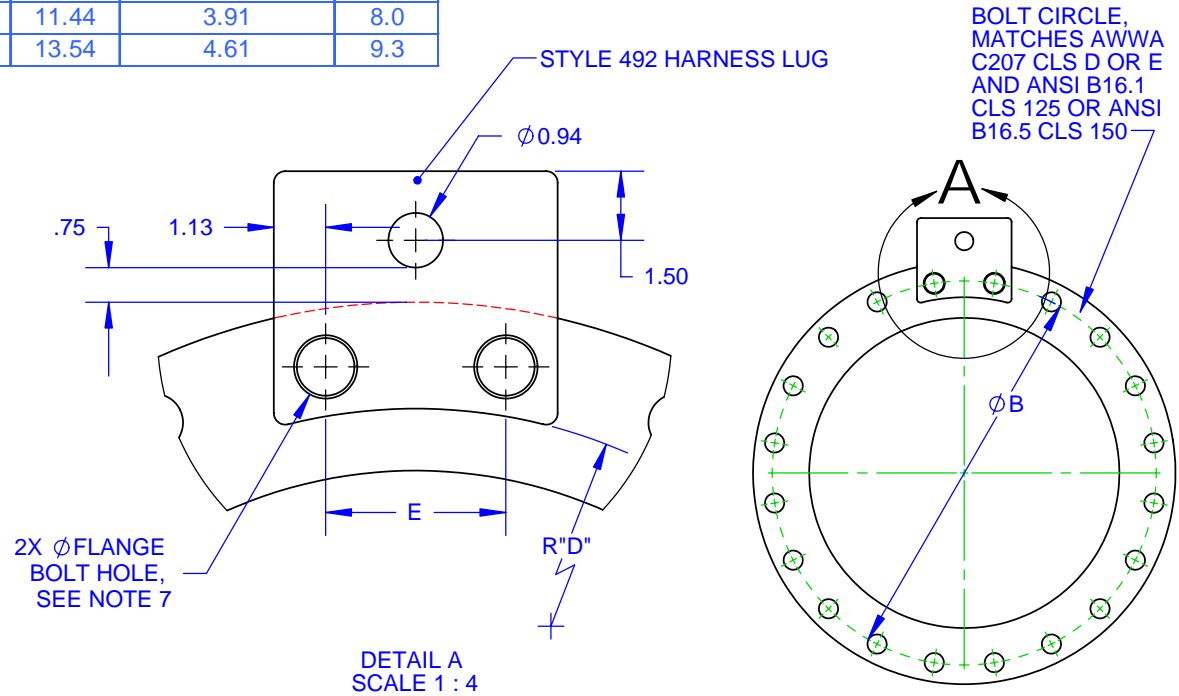


LUG SIZE	TIE ROD QUANTITY, MAXIMUM TEST PRESSURE					BOLT CIRCLE ØB	LUG RADIUS D	FLG HOLE CHORD LENGTH E	WGT, EA (LBS)
	50 PSI	100 PSI	150 PSI	200 PSI	250 PSI				
3	2	2	2	2	2	6.00	2.38	4.24	8.4
4	2	2	2	2	2	7.50	2.79	2.87	6.4
6	2	2	2	2	2	9.50	3.91	3.64	7.2
8	2	2	2	3	3	11.75	4.99	4.50	8.7
10	2	2	3	4	5	14.25	6.16	3.69	7.4
12	2	3	4	5	NA	17.00	7.21	4.40	9.2
14	2	4	5	NA	NA	18.75	8.25	4.85	9.7
16	2	4	NA	NA	NA	21.25	9.35	4.15	8.8
18	3	5	NA	NA	NA	22.75	10.39	4.44	8.9
20	4	NA	NA	NA	NA	25.00	11.44	3.91	8.0
24	5	NA	NA	NA	NA	29.50	13.54	4.61	9.3

REV	DESCRIPTION	DATE	APPROVED
1	ADDED 4,6, 14-24 SIZES, ADDED STYLE 492 TO TITLE, ADDED MATERIALS, CHANGED TO Ø3/4 TIE ROD, ADDED WEIGHTS	8/29/2007	NST III

NOTE:

- LUG DESIGN ALLOWS MAXIMUM CLEARANCE BETWEEN PIPE OR FLANGE HUB OD AND LUG.
- EACH TIE ROD REQUIRES 2 LUGS, ONE LOCATED ON THE OUTSIDE OF EACH FLANGED CONNECTION.
- HARNESS PLATE IS 1" THICK. MATERIAL: STEEL A36, STAINLESS A240 TYPE 304 OR 316
- TIE ROD SIZE IS Ø3/4". TIE ROD MATERIAL = ASTM A193 B7, (ALLOY STEEL), B8 (304 SS), OR B8M (316 SS)
- COATING: BARE, SHOPCOAT PAINT, OR NSF 61 FUSION BONDED EPOXY, BLACK
- 4 NUTS REQUIRED PER TIE ROD, (DOUBLE NUT CONFIGURATION.)
- HARNESS LUG HOLES THAT MATCH FLANGE HOLES ARE 1/8" LARGER.
- TEST PRESSURE = 1.25 X WORKING PRESSURE, PIPE THRUST BASED ON TEST PRESSURE
- MEETS SPECIFICATION "P110"
- SPECIFY TIE ROD LENGTH WHEN ORDERING.



DETAIL A
SCALE 1 : 4

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UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE	ROMAC IND. INC., SEATTLE, WA	
DIMENSIONS ARE IN INCHES TOLERANCES ARE ON: 2 PL DECIMALS +/- .05 3 PL DECIMALS +/- ANGLES +/- FRACTIONS +/-	DRWN N. THOGERSEN	8/5/2005	TITLE HARNESS LUG, 3" - 24", 3 HOLE, ANSI CLS125/150 STYLE 492, Ø3/4" TIE ROD	
	CHECKED		SIZE A	DWG. NO. B2615-A
	MATERIAL: SEE NOTE 3		SCALE NTS	REV. NO. 1
			SHEET 1 OF 1	