

BOTTOM RING: 3/8" PL. 4RV		
LOCATION	DESCRIPTION	QTY
BSR HORIZ SEAM BOLTS	1/2" X 1 3/4" PC FN JS 1000 BOLT	484
BSR HORIZ SEAM LAP BOLTS	1/2" X 2 1/4" PC FN JS 1000 BOLT	44
BSR HORIZ SEAM WASHERS	1/2" FLAT WASHER JS1000	528
BSR HORIZ SEAM NUTS	1/2" HEX NUT JS1000	528
VERTICAL SEAM BOLTS	1/2" X 1 3/4" PC FN JS 1000 BOLT	1078
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	1078
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	1078
HORIZONTAL SEAM BOLTS	1/2" X 1 3/4" PC FN JS 1000 BOLT	484
HORIZONTAL SEAM LAP BOLTS	1/2" X 2" PC FN JS 1000 BOLT	44
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	33
EXTERIOR HARDWARE	PUSH CAPS	2134
PUSH CAP SEALANT	SEALANT (TUBES)	43

RING 2: 3/8" PL. 3RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 3/4" PC FN JS 1000 BOLT	803
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	803
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	803
HORIZONTAL SEAM BOLTS	1/2" X 1 3/4" PC FN JS 1000 BOLT	495
HORIZONTAL SEAM LAP BOLTS	1/2" X 2" PC FN JS 1000 BOLT	33
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	28
EXTERIOR HARDWARE	PUSH CAPS	1331
PUSH CAP SEALANT	SEALANT (TUBES)	27

RING 3: 3/8" PL. 3RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 3/4" PC FN JS 1000 BOLT	803
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	803
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	803
HORIZONTAL SEAM BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	495
HORIZONTAL SEAM LAP BOLTS	1/2" X 2" PC FN JS 1000 BOLT	33
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	28
EXTERIOR HARDWARE	PUSH CAPS	1331
PUSH CAP SEALANT	SEALANT (TUBES)	27

RING 4: 5/16" PL. 3RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	803
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	803
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	803
HORIZONTAL SEAM BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	495
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 3/4" PC FN JS 1000 BOLT	33
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	28
EXTERIOR HARDWARE	PUSH CAPS	1331
PUSH CAP SEALANT	SEALANT (TUBES)	27

RING 5: 5/16" PL. 3RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	798
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	798
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	798
HORIZONTAL SEAM BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	495
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 3/4" PC FN JS 1000 BOLT	33
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	28
EXTERIOR HARDWARE	PUSH CAPS	1326
PUSH CAP SEALANT	SEALANT (TUBES)	27

RING 6: 1/4" PL. 3RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	798
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	798
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	798
HORIZONTAL SEAM BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	495
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 3/4" PC FN JS 1000 BOLT	33
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	28
EXTERIOR HARDWARE	PUSH CAPS	1326
PUSH CAP SEALANT	SEALANT (TUBES)	27

RING 7: 1/4" PL. 2RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	535
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	535
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	535
HORIZONTAL SEAM BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	506
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 3/4" PC FN JS 1000 BOLT	22
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	22
EXTERIOR HARDWARE	PUSH CAPS	1063
PUSH CAP SEALANT	SEALANT (TUBES)	22

RING 8: 1/4" PL. 2RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	535
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	535
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	535
HORIZONTAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	506
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	22
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	22
EXTERIOR HARDWARE	PUSH CAPS	1063
PUSH CAP SEALANT	SEALANT (TUBES)	22

RING 9: 3/16" PL. 2RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	535
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	535
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	535
HORIZONTAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	506
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	22
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	22
EXTERIOR HARDWARE	PUSH CAPS	1063
PUSH CAP SEALANT	SEALANT (TUBES)	22

RING 10: 3/16" PL. 2RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	535
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	535
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	535
HORIZONTAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	506
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	22
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	22
EXTERIOR HARDWARE	PUSH CAPS	1063
PUSH CAP SEALANT	SEALANT (TUBES)	22

RING 11: 3/16" PL. 2RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	535
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	535
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	535
HORIZONTAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	506
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	22
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	22
EXTERIOR HARDWARE	PUSH CAPS	1063
PUSH CAP SEALANT	SEALANT (TUBES)	22

RING 12: 8 GA. 2RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	535
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	535
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	535
HORIZONTAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	506
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	22
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	22
EXTERIOR HARDWARE	PUSH CAPS	1063
PUSH CAP SEALANT	SEALANT (TUBES)	22

RING 13: 9 GA. 2RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	535
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	535
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	535
HORIZONTAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	506
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	22
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	22
EXTERIOR HARDWARE	PUSH CAPS	1063
PUSH CAP SEALANT	SEALANT (TUBES)	22

RING 14: 10 GA. 2RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	535
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	535
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	535
HORIZONTAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	506
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	22
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	22
EXTERIOR HARDWARE	PUSH CAPS	1063
PUSH CAP SEALANT	SEALANT (TUBES)	22

RING 15: 10 GA. 2RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	535
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	535
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	535
HORIZONTAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	506
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	22
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	22
EXTERIOR HARDWARE	PUSH CAPS	1063
PUSH CAP SEALANT	SEALANT (TUBES)	22

RING 16: 10 GA. 1RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	262
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	262
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	262
HORIZONTAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	517
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	11
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	17
EXTERIOR HARDWARE	PUSH CAPS	790
PUSH CAP SEALANT	SEALANT (TUBES)	16

RING 17: 10 GA. 1RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	262
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	262
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	262
HORIZONTAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	517
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	11
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	17
EXTERIOR HARDWARE	PUSH CAPS	790
PUSH CAP SEALANT	SEALANT (TUBES)	16

TOP RING: 10 GA. 1RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	43
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	43
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	43
EAVE L HORIZ. SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	473
EAVE L HORIZ. SEAM LAP BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	11
EAVE L HORIZ. SPLICE BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	44
EAVE L HORIZ. SEAM WASHERS	1/2" FLAT WASHER JS1000	528
EAVE L HORIZ. SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	17
EXTERIOR HARDWARE	PUSH CAPS	571
PUSH CAP SEALANT	SEALANT (TUBES)	12

ITEM	DIS	PART NO.	QTY	DESCRIPTION	MAT'L GR.	EST. WT.	PAINT	CODE
1	-	BLTFJSC105001250	10951	1/2" X 1 1/4" PC FN JS 1000 BOLT	8	-	N	-
2	-	BLTFJSC105001500	6732	1/2" X 1 1/2" PC FN JS 1000 BOLT	8	-	N	-
3	-	BLTFJSC105001750	4695	1/2" X 1 3/4" PC FN JS 1000 BOLT	8	-	N	-
4	-	BLTFJSC105002000	122	1/2" X 2" PC FN JS 1000 BOLT	8	-	N	-
5	-	BLTFJSC105002250	48	1/2" X 2 1/4" PC FN JS 1000 BOLT	8	-	N	-
6	-	WSHFJS10500F436	21497	1/2" FLAT WASHER JS1000	F436	-	N	-
7								
8	-	NUTHJS10500	21497	1/2" HEX NUT JS1000	5	-	N	-
9	-	WEDGEN1	13	BREAKABLE NYLON WEDGE GASKET	-	-	N	-
10	-	MANUSB	927	MANUS 75-AM BLACK NSF-61 CERTIFIED	-	-	N	-
11	-	BTNUTC5022	21497	NUT COVER EXTERIOR COBALT BLUE (RAL 5022)	-	-	N	-

NOTE: FILL PUSH CAPS HALF FULL OF SEALANT BEFORE INSTALLING.



Kevin W Sheddric, PE
2016.01.11 13:25:20 -06'00'

TOTAL WT: ---	PARENT: ---	TOLERANCES UNLESS OTHERWISE NOTED	THE INFORMATION ON THIS DOCUMENT IS CONFIDENTIAL PROPERTY OF TANK CONNECTION. ANY OTHER USE, REPRODUCTION, OR DISSEMINATION OF THIS DOCUMENT TO UNAUTHORIZED PARTIES IS STRICTLY PROHIBITED. WITHOUT THE EXPRESSED WRITTEN CONSENT OF TANK CONNECTION, NO PART OF THIS DOCUMENT IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.	CERTIFIED: APPROVED FOR CONSTRUCTION
3RD ANGLE PROJECTION	ANGULAR DEVIATION X = ±1.0° / X.X = ±0.5°	PERMISSIBLE DEVIATION NOMINAL LENGTH IN INCHES	APPROPRIATE GROUP	HARDWARE SHEET 32-8 3/16" DIA. X 83'-9 7/16" TANK HT.
	LINEAR TOLERANCE 1/32" 1/16" 5/32" 1/8" 3/16" 1/16"	HOLE TO HOLE TOLERANCE 1/32" 1/32" 1/32" 1/16" 1/16"	REV	PROJ # 05286 JOB # 001
			0	DWG # HRDW05286001
			REV	
			REVISION DESCRIPTION	
			DATE	
			DRAWN BY	
			CHECKED BY	
			DATE	
			SCALE: NTS	