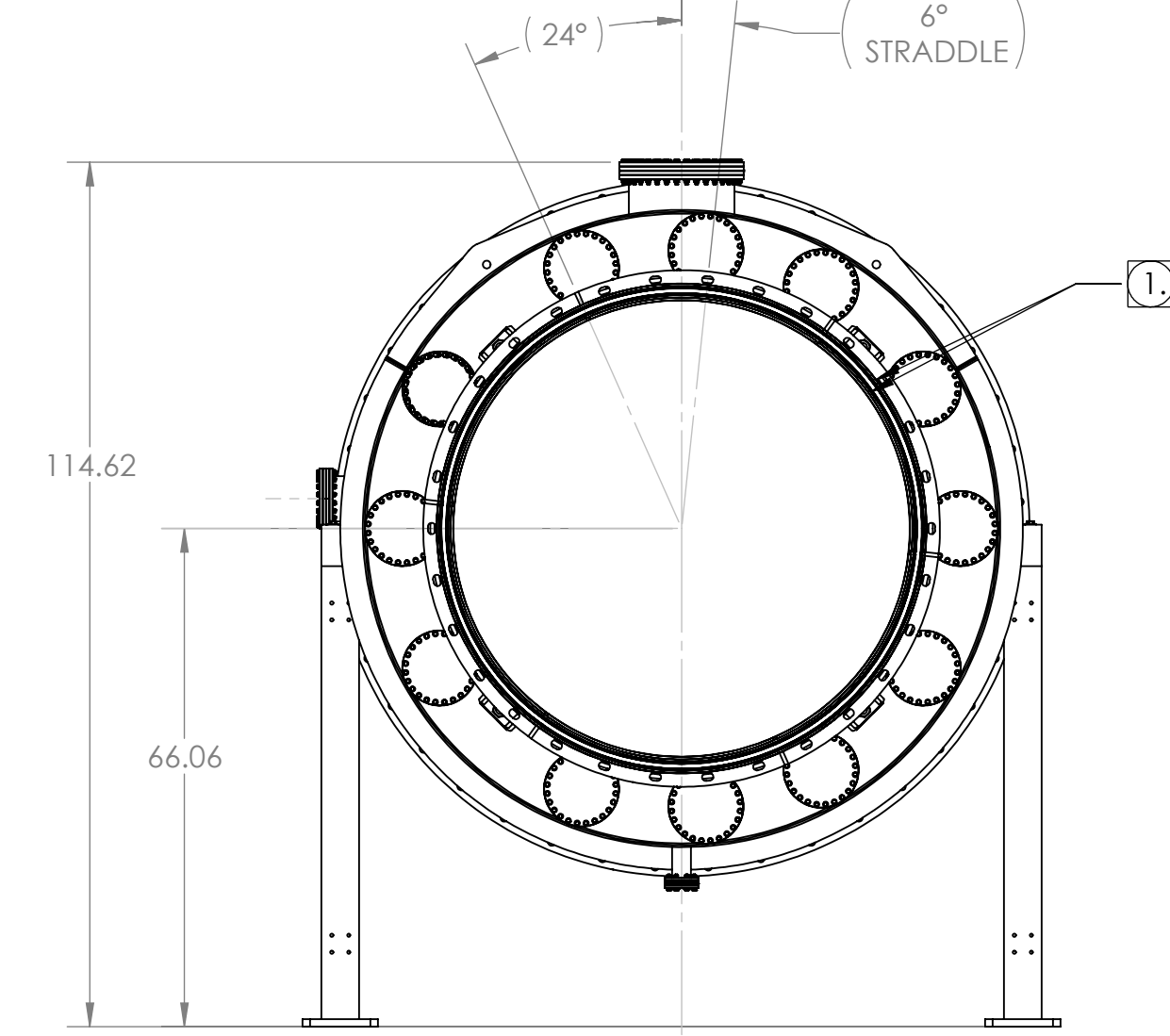
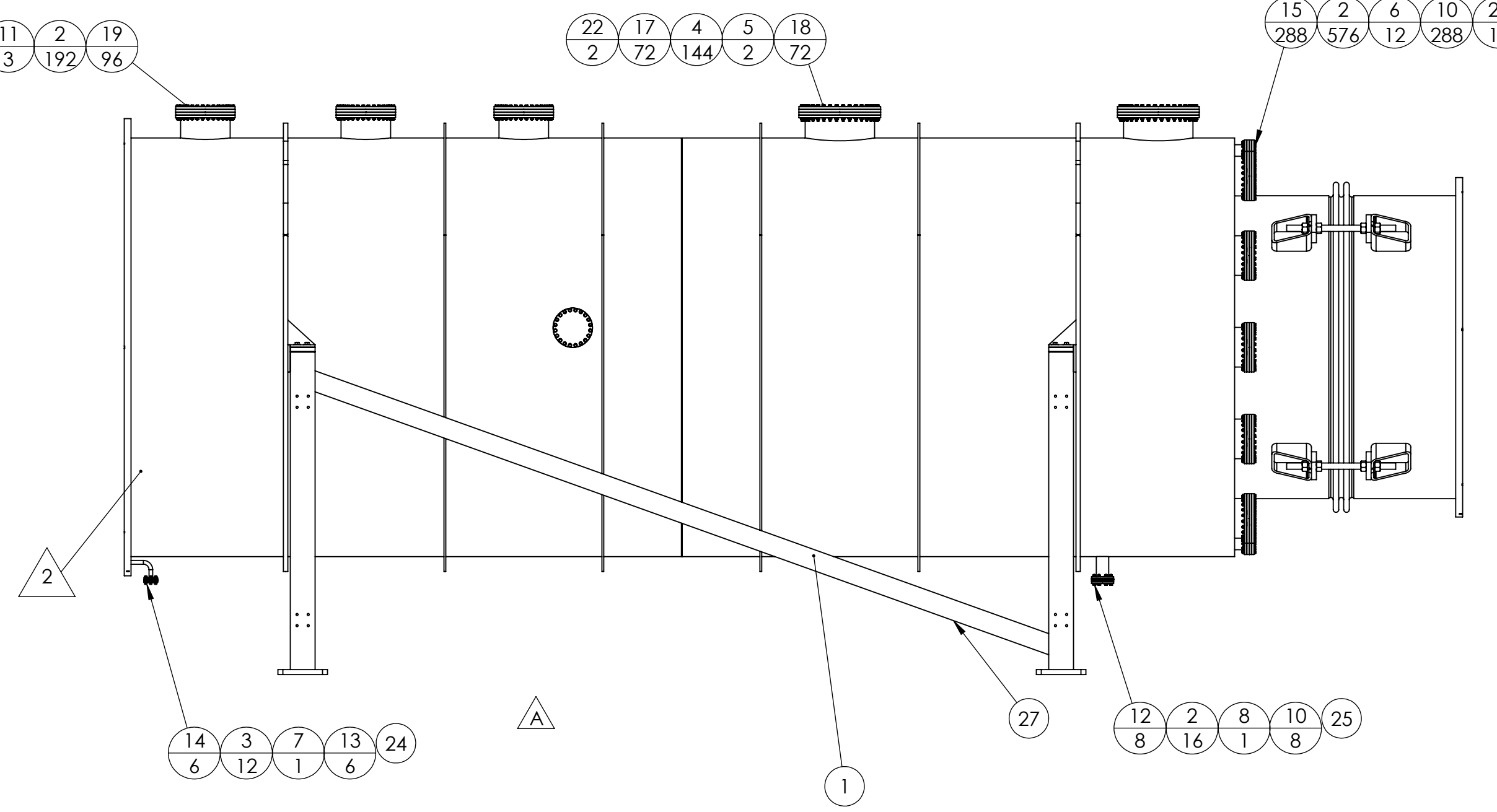
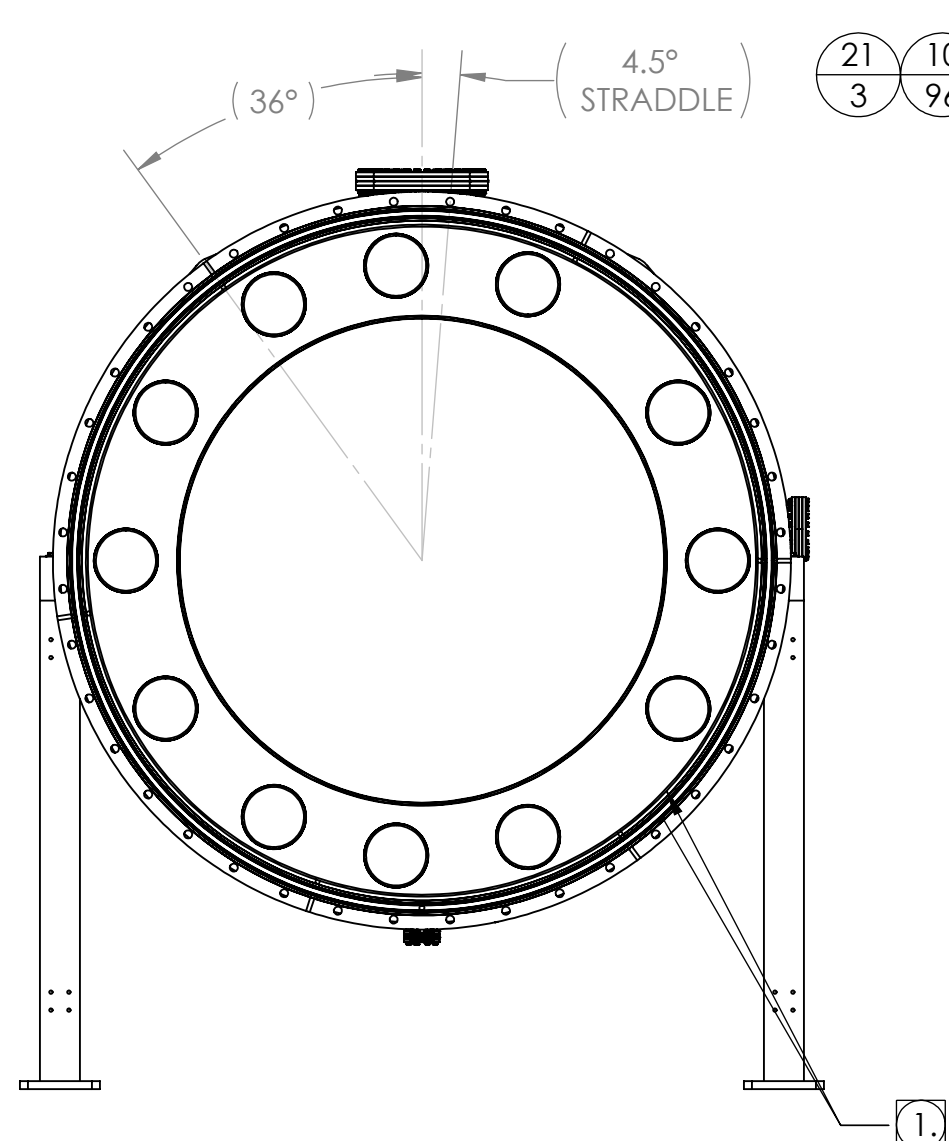
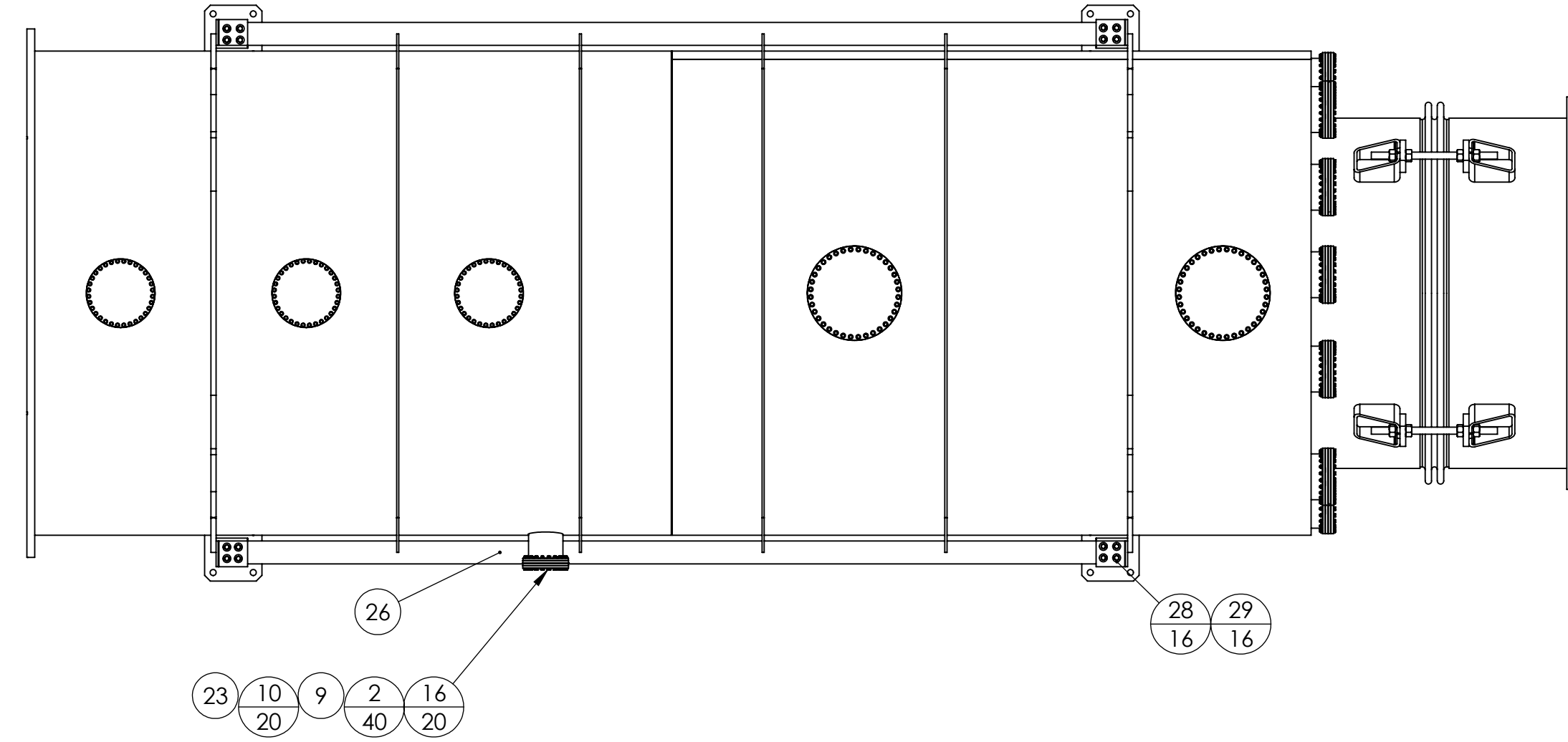


REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	REVISED STAND DESIGN, BOM	7/29/2010	MKM2
	B	REVISED HARDWARE TO Zn COATED; RELEASED TO PRODUCTION	8/24/2010	MKM2



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	114200-00WS	FINAL WELDMENT, MCB TUBE	1
2	F0500000Z	WASHER, 5/16 NOM ID, 0.065 THK, Zn COATED	824
3	F0400000Z	WASHER, 1/4 NOM ID, 0.065 THK, Zn COATED	12
4	F0600000Z	WASHER, 3/8 NOM ID, 0.065 THK, Zn COATED	144
5	1650-000N	(NORCAL) BLANK, CF, 16.50 OD	2
6	1000-000N	(NORCAL) BLANK, CF, 10" OD	12
7	275-000N	(NORCAL) BLANK, CF, 2.75" OD	1
8	450-000N	(NORCAL) BLANK, CF, 4.50" OD	1
9	800-000N	(NORCAL) BLANK, CF, 8" OD	1
10	G05F0000Z	HEX NUT, 5/16-24, Zn COATED	412
11	1200-000N	(NORCAL) BLANK, CF, 12" OD	3
12	C05F0300Z	HHCS, 5/16-24, 1.88 LG, Zn COATED	8
13	G04F0000Z	HEX NUT, 1/4-28, Zn COATED	6
14	C04F0240Z	HHCS, 1/4-28, 1.50 LG, Zn COATED	6
15	C05F0400Z	HHCS, 5/16-24, 2.50 LG, Zn COATED	288
16	C05F0360Z	HHCS, 5/16-24, 2.25 LG, Zn COATED	20
17	G06F0000Z	HEX NUT, 3/8-24, Zn COATED	72
18	C06F0480Z	HHCS, 3/8-24, 3.00 LG, Zn COATED	72
19	C05F0440Z	HHCS, 5/16-24, 2.75 LG, Zn COATED	96
20	G-1000	(NORCAL) GASKET, COPPER, 10" CF	12
21	G-1200	(NORCAL) GASKET, COPPER, 12" CF	3
22	G-1650	(NORCAL) GASKET, COPPER, 16.50" CF	2
23	G-800	(NORCAL) GASKET, COPPER, 8" CF	1
24	G-275	(NORCAL) GASKET, COPPER, 2.75" CF	1
25	G-450	(NORCAL) GASKET, COPPER, 4.5" CF	1
26	114237-00WM	WELDMENT, MCB TUBE STAND	1
27	114237-01WM	WELDMENT, MCB TUBE STAND	1
28	91525A145	(MCM) WASHER, FENDER, 1/2 NOM ID, 1.5" OD	16
29	C08C0320Z	HHCS, 1/2-13, 2.00 LG, Zn COATED	16

- NOTES:
- VACUUM SEALING SURFACE
 - SCRIBE THE FOLLOWING ON THE INDICATED SURFACE:
 - LIGO PART NUMBER,
 - SERIAL NUMBER,
 - GNB PART NUMBER
 - CLEAN PER LIGO SPECIFICATION E0900403
 - BAKEOUT PER LIGO SPECIFICATION E0900407
 - LEAK CHECK PER LIGO SPECIFICATION E0900404
 - KEEP FREE OF CONTAMINATION. ANY CONTAMINATION MUST BE REMOVED WITH A CO2 SPRAY IMMEDIATELY.
 - VERIFY CLEANLINESS PER PROCEDURE QP1750-A3
 - AFTER CLEANING, LEAVE ALL CF BLANKS IN PLACE, SHIPPING COVERS OVER MAIN FLANGES, AND BELLOWS TIE RODS IN PLACE AT ALL TIMES, UNLESS OTHERWISE NECESSARY.
 - ALL CONFLAT FLANGES ARE NON-ROTATABLE WITH THRU HOLES.

TORQUE TABLE		
ITEM	TORQUE VALUE	UNITS
14	110	IN-LB
12, 15, 16, 19	190	IN-LB
18, 27	345	IN-LB

UNLESS OTHERWISE SPECIFIED: WEIGHT: 9532.28 #
 DIMENSIONS ARE IN INCHES
 TOLERANCES: FINISH
 ANGULAR: ±0°30' ±25'
 AXES: 0.015
 XXX ±.005
 UNSPECIFIED RADII: R.015
 BREAK EDGES: .010x45°
 REMOVE ALL BURRS
 // 0.1 WITHIN .03

APPROVALS: DATE: 6/9/10
 DRAFTER: MKM2
 CHECKER: RW 6/15/10
 ENGINEER: MKM2 6/9/10

GNB CORPORATION
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 3200 DWIGHT RD. SUITE #100
 ELK GROVE, CA 95758
 916-395-3003 FAX: 916-395-3363
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TITLE: ASSEMBLY, TUBE, MCB1
 WAMCB#1, LAMCB#1

DO NOT SCALE DRAWING
 DWG. NO. 114199-00S
 SCALE: 1:24 SHEET 1 OF 1

REV B