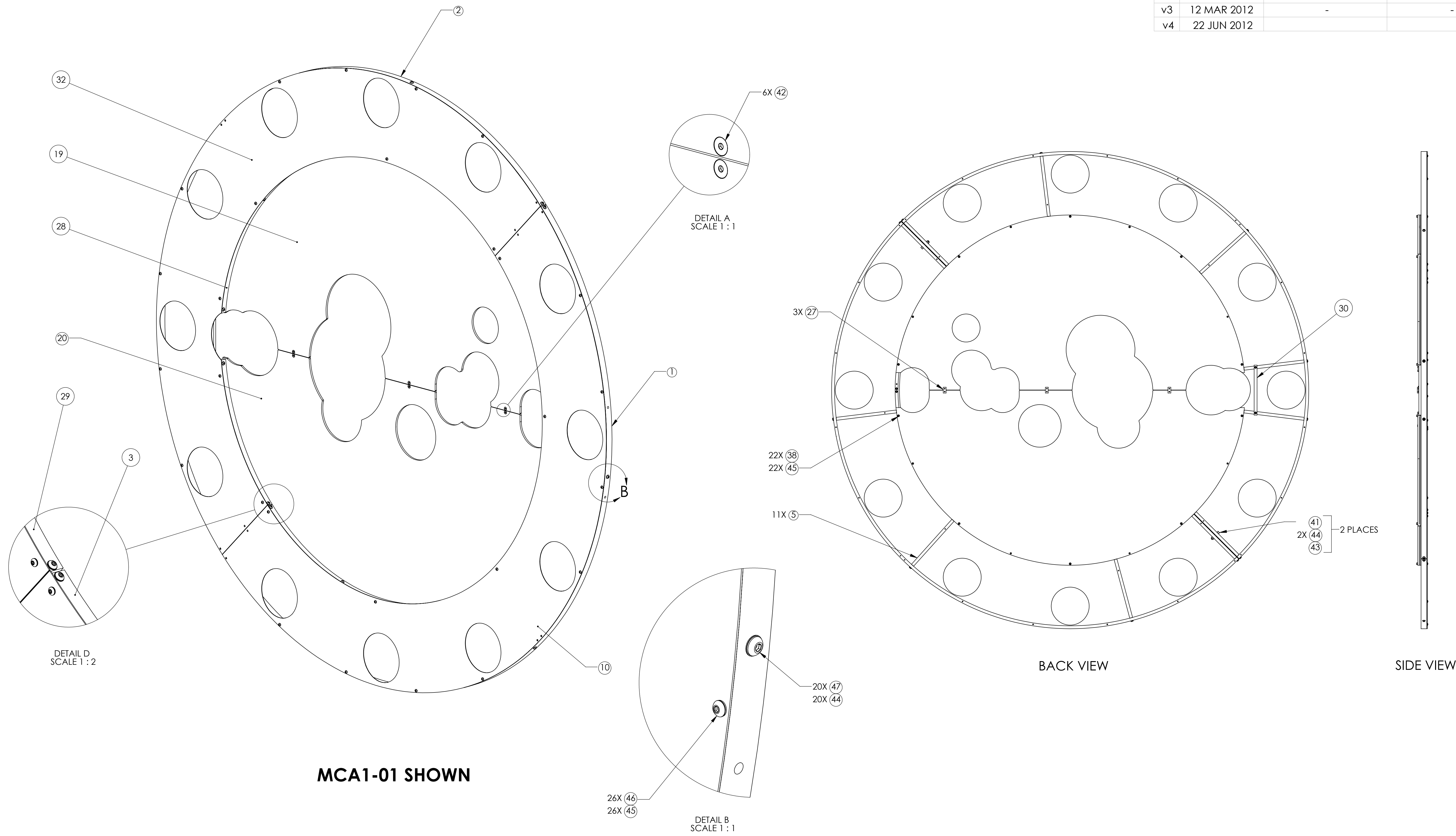


NOTES CONTINUED:
 1. APPROXIMATE WEIGHT = 123.5 LB.

REV.	DATE	DCN #	DRAWING TREE #
v1	19 MAY 2011	E1000822-v1	-
v2	19 AUG 2011	E1000822-v2	-
v3	12 MAR 2012	-	-
v4	22 JUN 2012		

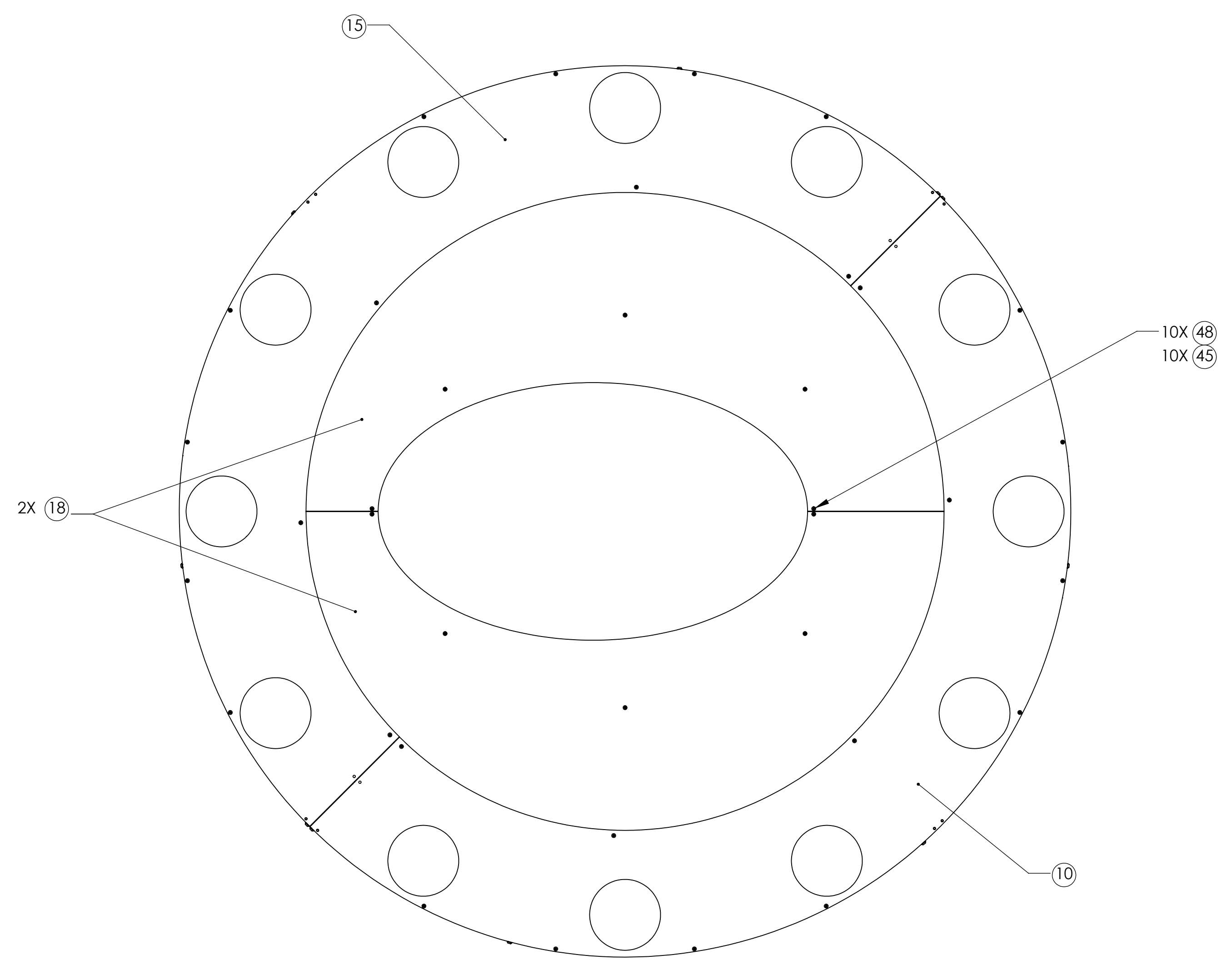


MCA1-01 SHOWN

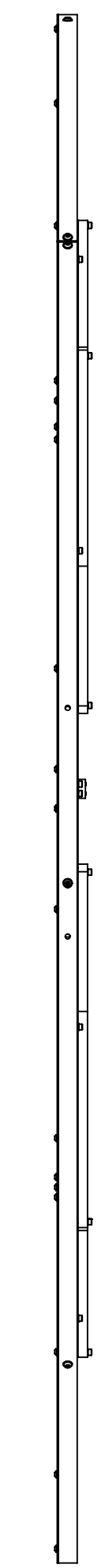
DIMENSIONS ARE IN INCHES		TOLERANCES:		ANGULAR ± 1.0°		MATERIAL		FINISH		NEXT ASSY		SYSTEM		SUB-SYSTEM		PART NAME	
.XX ± .03		.XXX ± .010				N/A		N/A μinch		D1000774		ADVANCED LIGO		AOS		MODE CLEANER TUBE BAFFLE ASSY	
NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)												LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY					
												DESIGNER		TQ. NGUYEN		8 NOV 2010	
												DRAFTER		TQ. NGUYEN		30 NOV 2010	
												CHECKER		M. SMITH		25 JUL 2011	
												APPROVAL		D. COYNE		25 JUL 2011	
												SIZE		D		DWG. NO.	
																D1002864	
												SCALE		1:12		PROJECTION	
																SHEET 1 OF 9	
																REV.	
																v4	

D:\002864_d\UGO_Models\Cleaner_Tube_Baffle_Frame Assy_PART PDM_REV: X:105 DRAWING PDM_REV: X:046

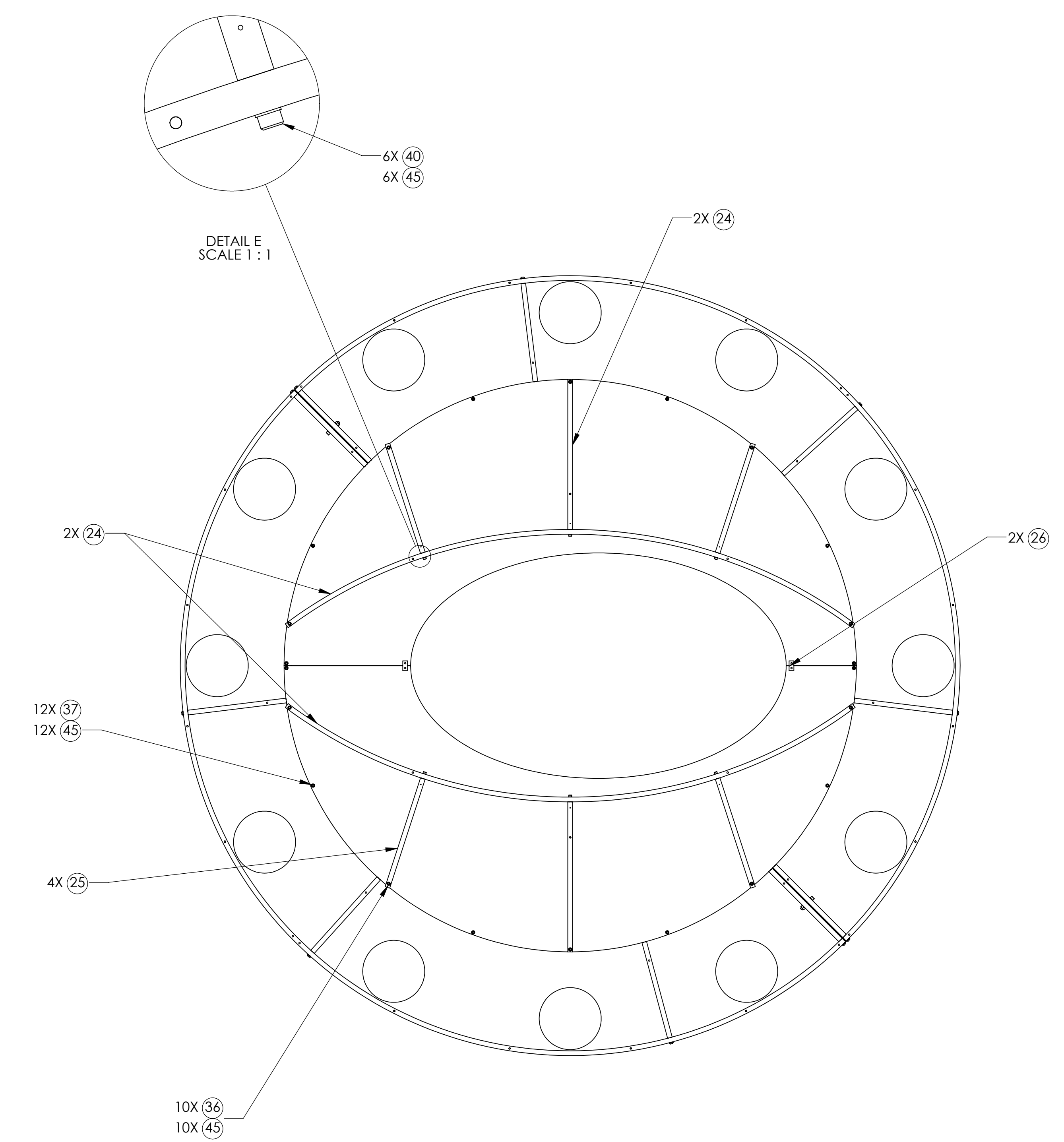
NOTES CONTINUED:
 1. APPROXIMATE WEIGHT = 117.0 LB.



FRONT VIEW
MCA2-02 SHOWN



SIDE VIEW

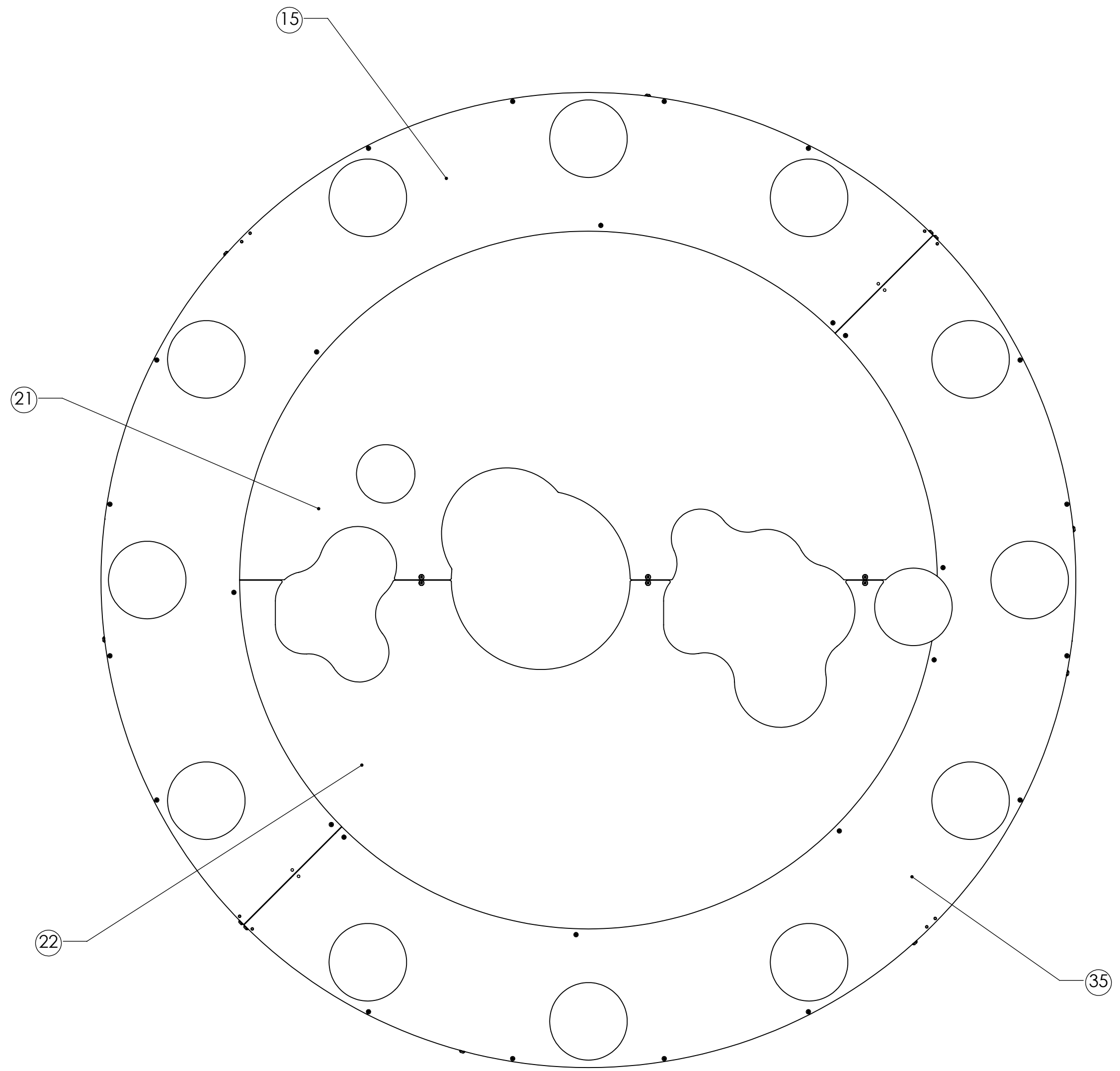


BACK VIEW

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SIZE DWG. NO.	REV.
D D1002864	v4
SCALE: 1:8	PROJECTION:
SHEET 2 OF 9	

D:\002864_d\UGO_Models\Cleans_Tube_Baffle_Frame Assy_PART PDM_REV: X:103_DRAWING PDM_REV: X:046

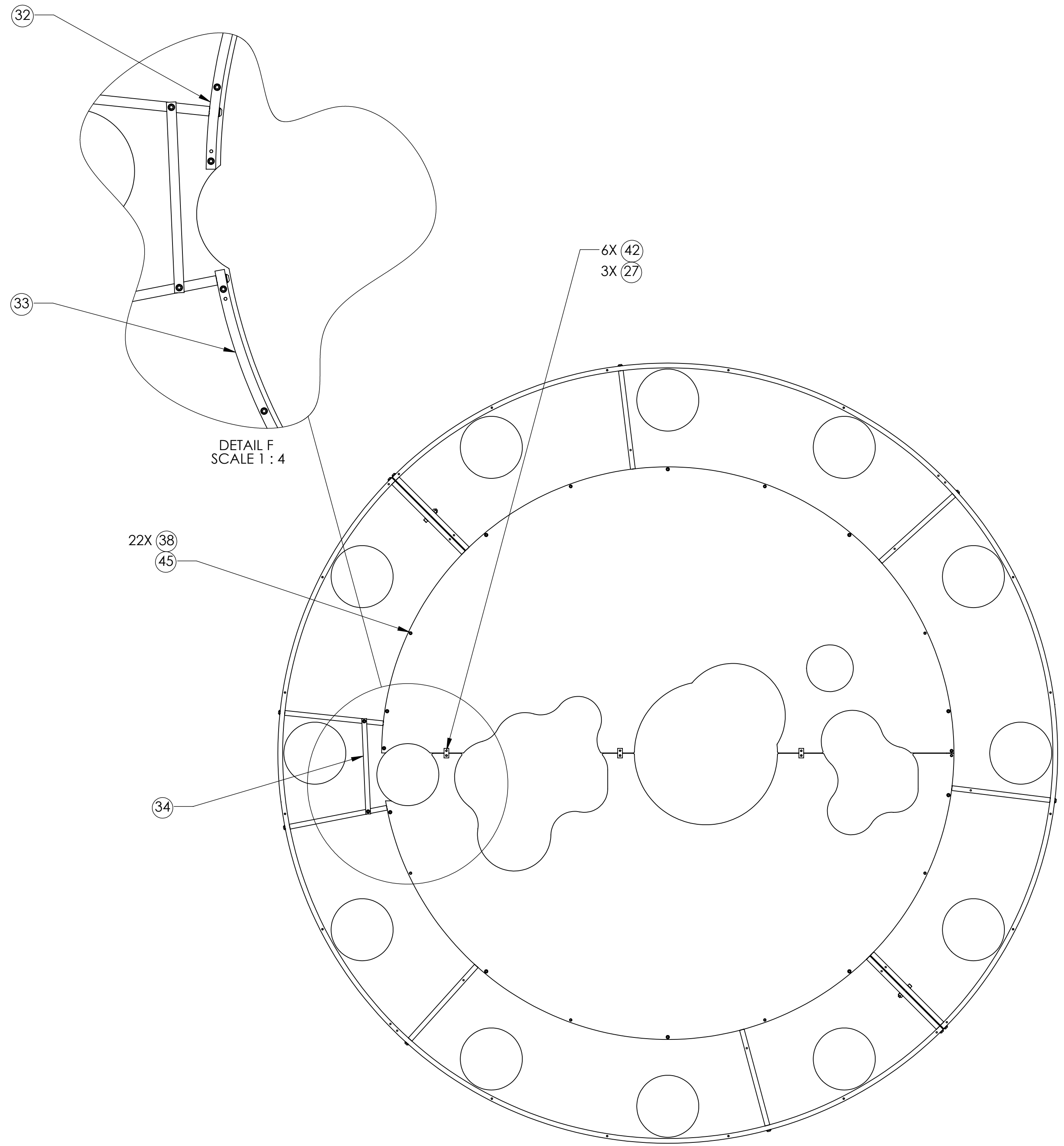
NOTES CONTINUED:
 1. APPROXIMATE WEIGHT = 125.0 LB.



FRONT VIEW
MCA3-03 SHOWN



SIDE VIEW

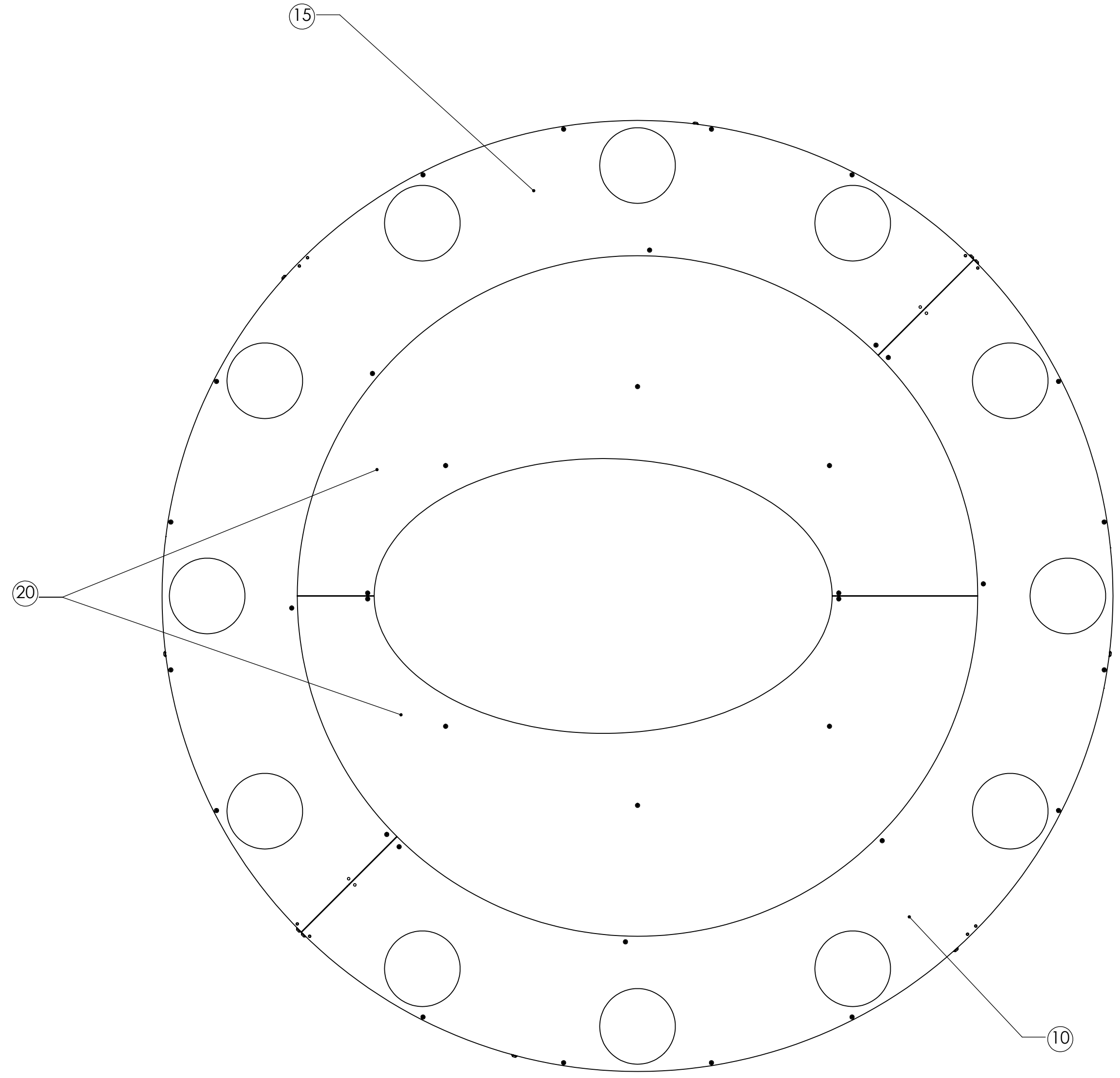


BACK VIEW

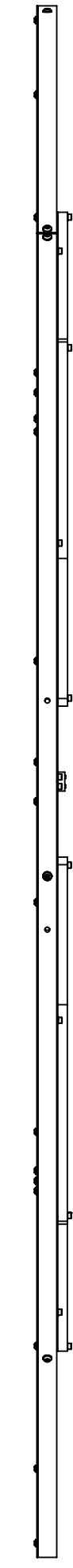
CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
SIZE	DWG. NO.	REV.
D	D1002864	v4
SCALE: 1:8	PROJECTION:	SHEET 3 OF 9

D:\002864.d\GO_Mods\Cleane_Tube_Baffle_Frame Assy_PART PDM REV: X:103 DRAWING PDM REV: X:046

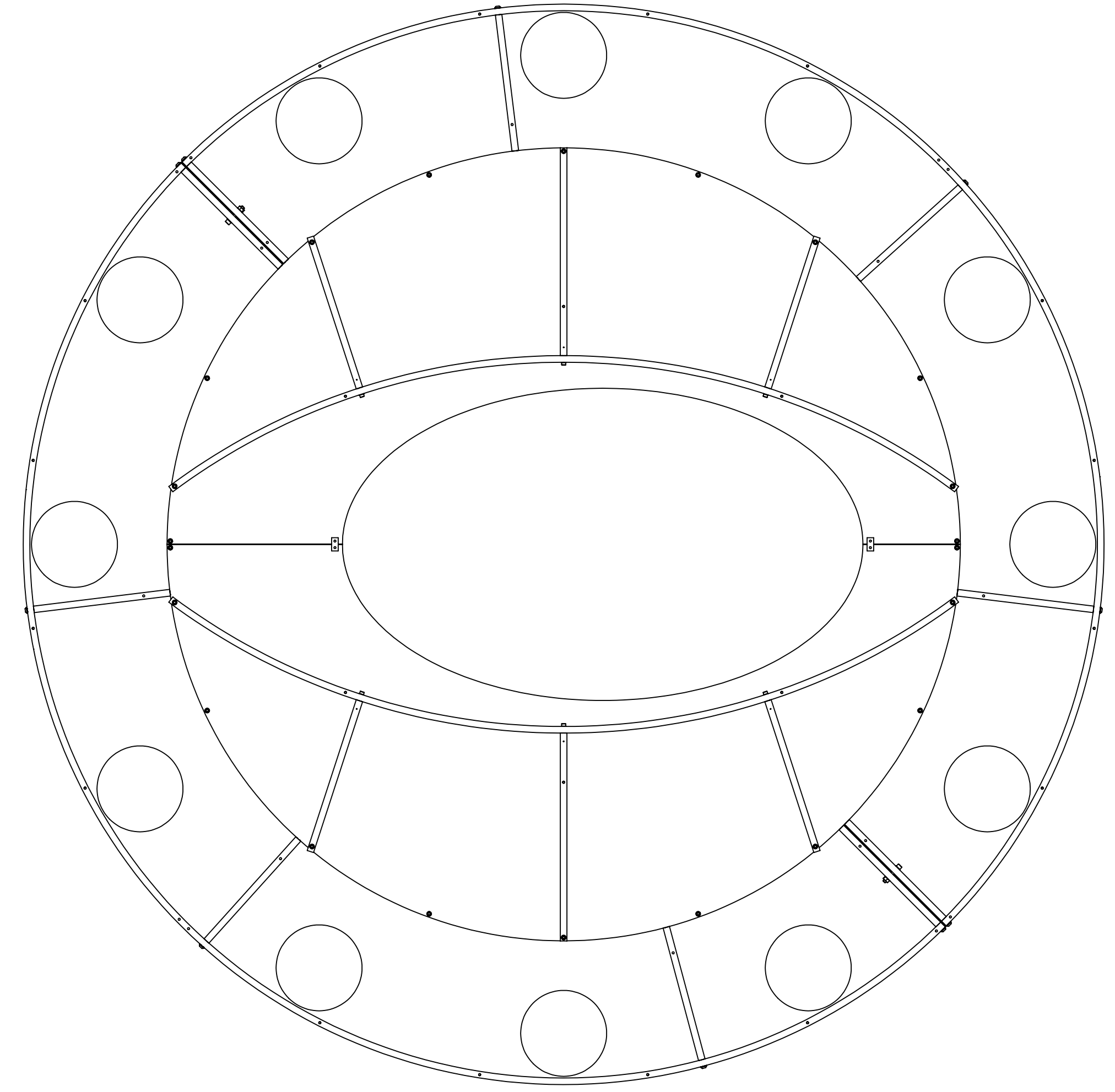
NOTES CONTINUED:
1. APPROXIMATE WEIGHT = 117.0 LB.




FRONT VIEW
MCA4-04 SHOWN



SIDE VIEW

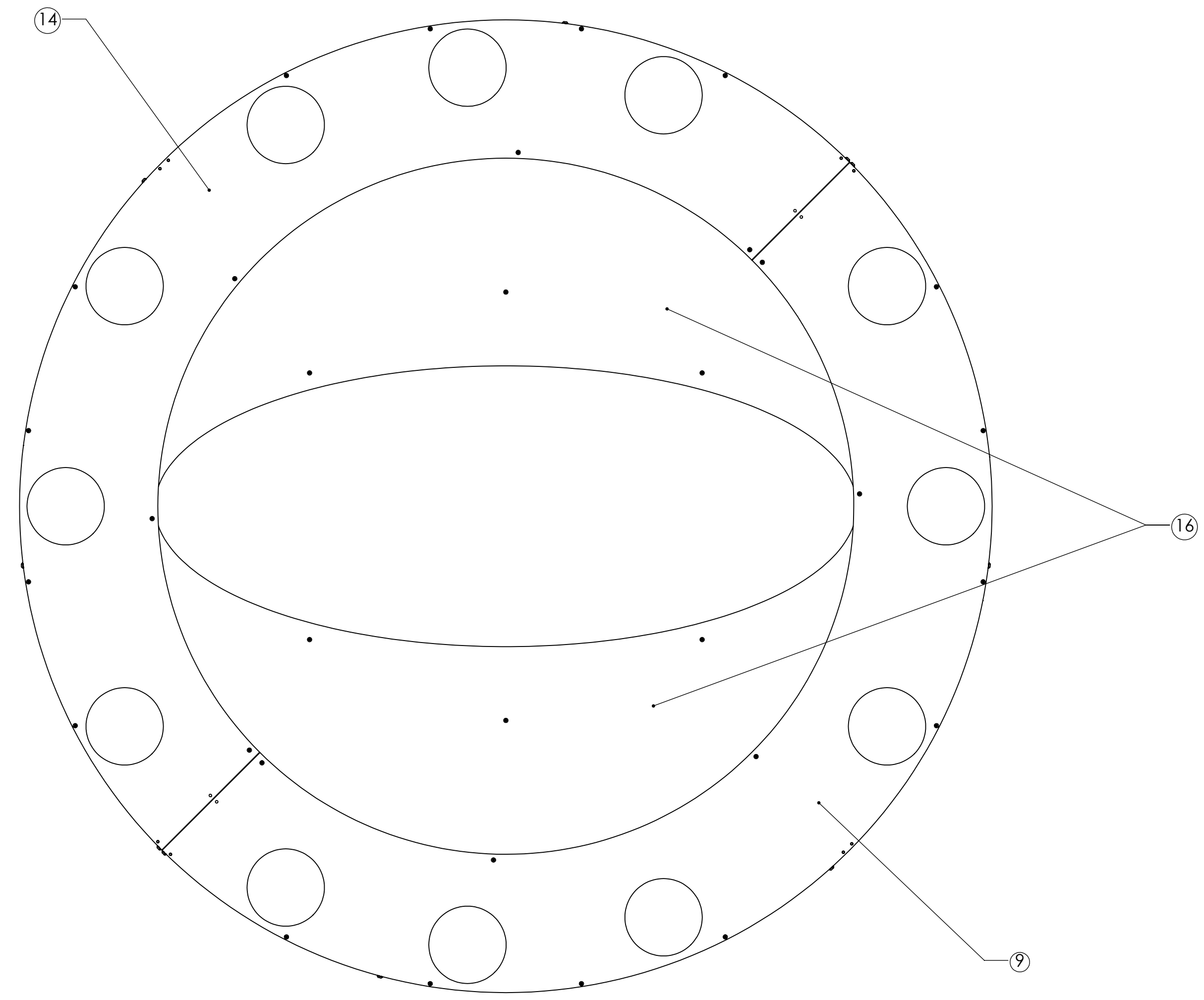


BACK VIEW

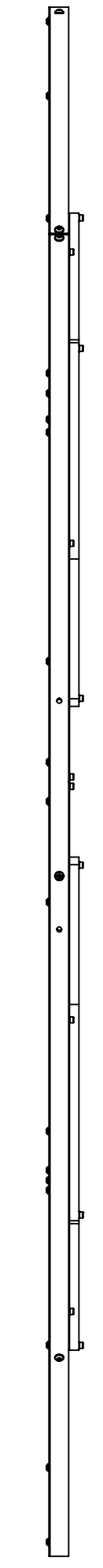
 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
SIZE	DWG. NO.	REV.
D	D1002864	v4
SCALE: 1:8	PROJECTION:	SHEET 4 OF 9

D:\002864_d\lgo_models\Cleane_Tube_Baffle_Frame Assy_PART PDM_REV.X:103_DRAWING PDM_REV.X:046

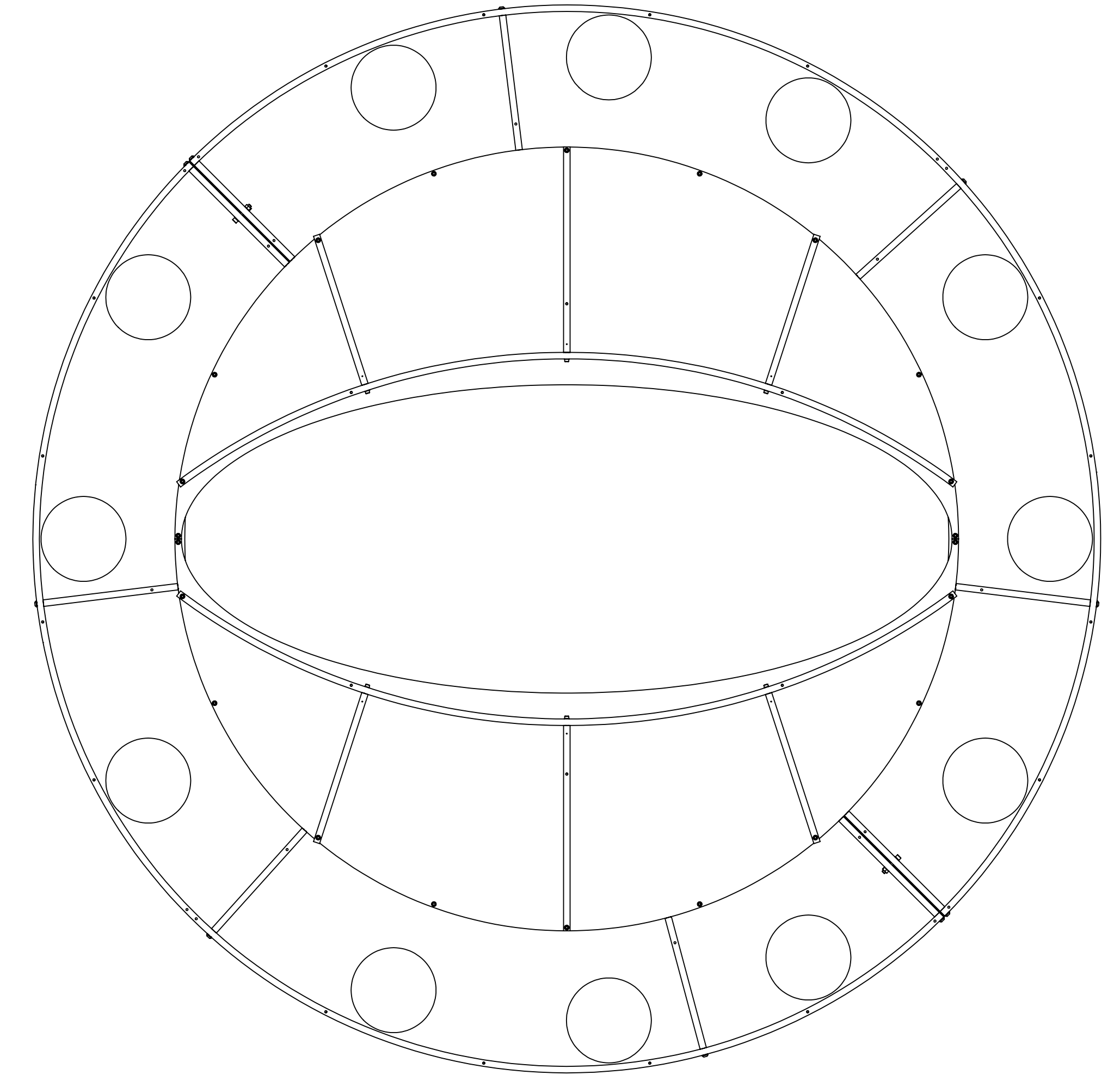
NOTES CONTINUED:
1. APPROXIMATE WEIGHT = 110.5 LB.




FRONT VIEW
MCB1-05 SHOWN



SIDE VIEW

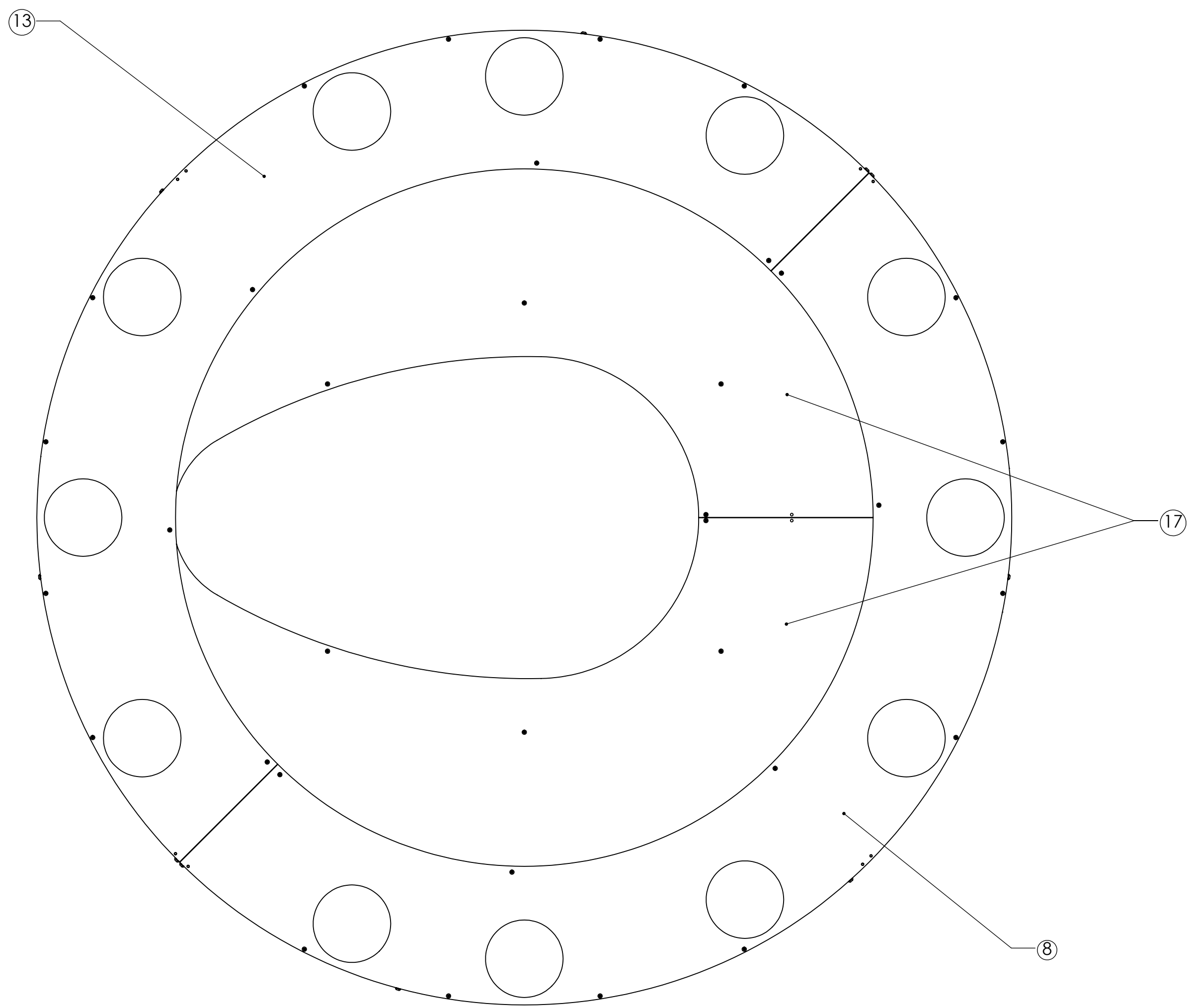


BACK VIEW

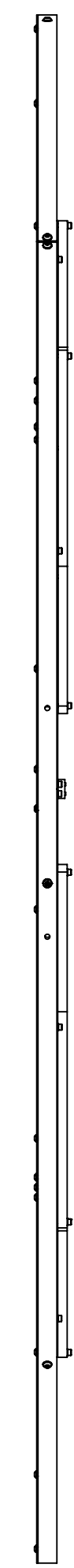
 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		REV.
SIZE	DWG. NO.	REV.
D	D1002864	v4
SCALE: 1:8	PROJECTION:	SHEET 5 OF 9

D:\002864_d\lgo_models\Cleane_Tube_Baffle_Frame Assy_PART PDM_REV.X:103_DRAWING PDM_REV.X:046

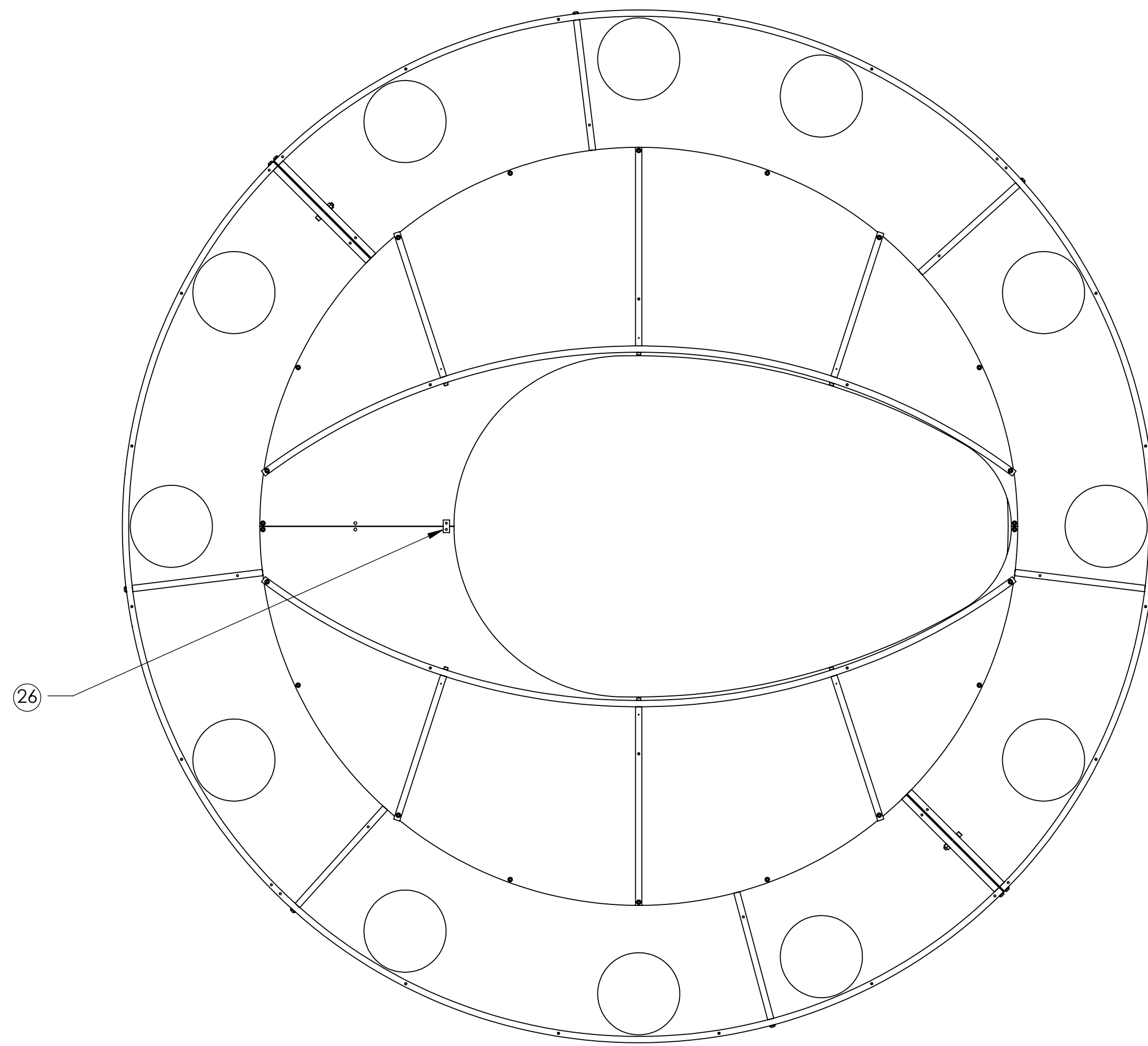
NOTES CONTINUED:
1. APPROXIMATE WEIGHT = 113.5 LB.



FRONT VIEW
MCB2-06 SHOWN



SIDE VIEW

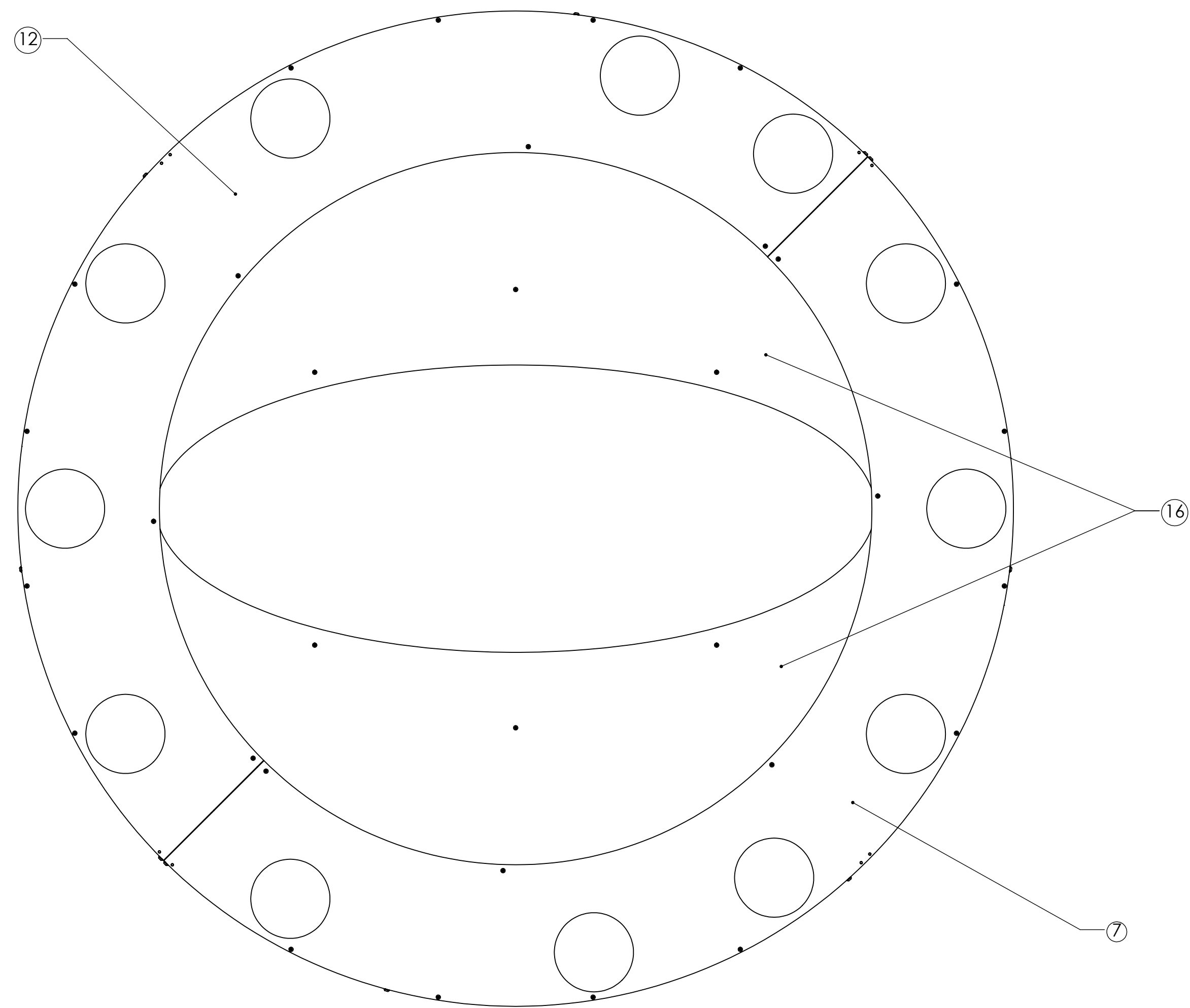


BACK VIEW

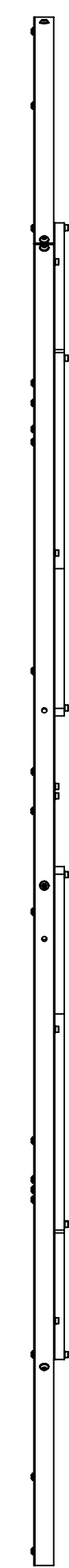
 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SIZE DWG. NO.	REV.
D D1002864	v4
SCALE: 1:8	PROJECTION: 
SHEET 6 OF 9	

D:\002864_d\lgo_models\Cleane_Tube_Baffle_Frame Assy_PART PDM_REV_X:103_DRAWING PDM_REV_X:046

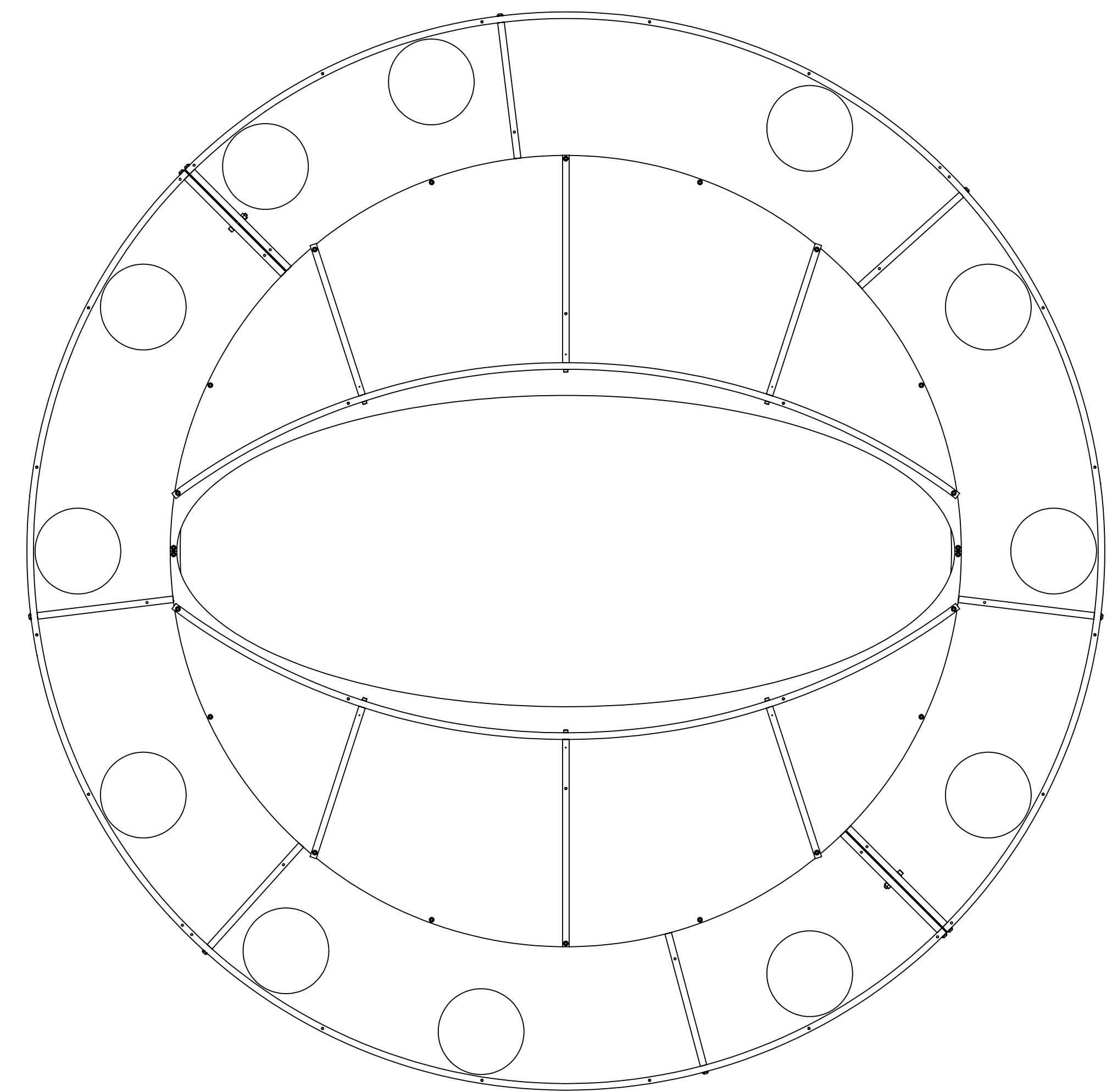
NOTES CONTINUED:
1. APPROXIMATE WEIGHT = 110.5 LB.



FRONT VIEW
MCB3-07 SHOWN

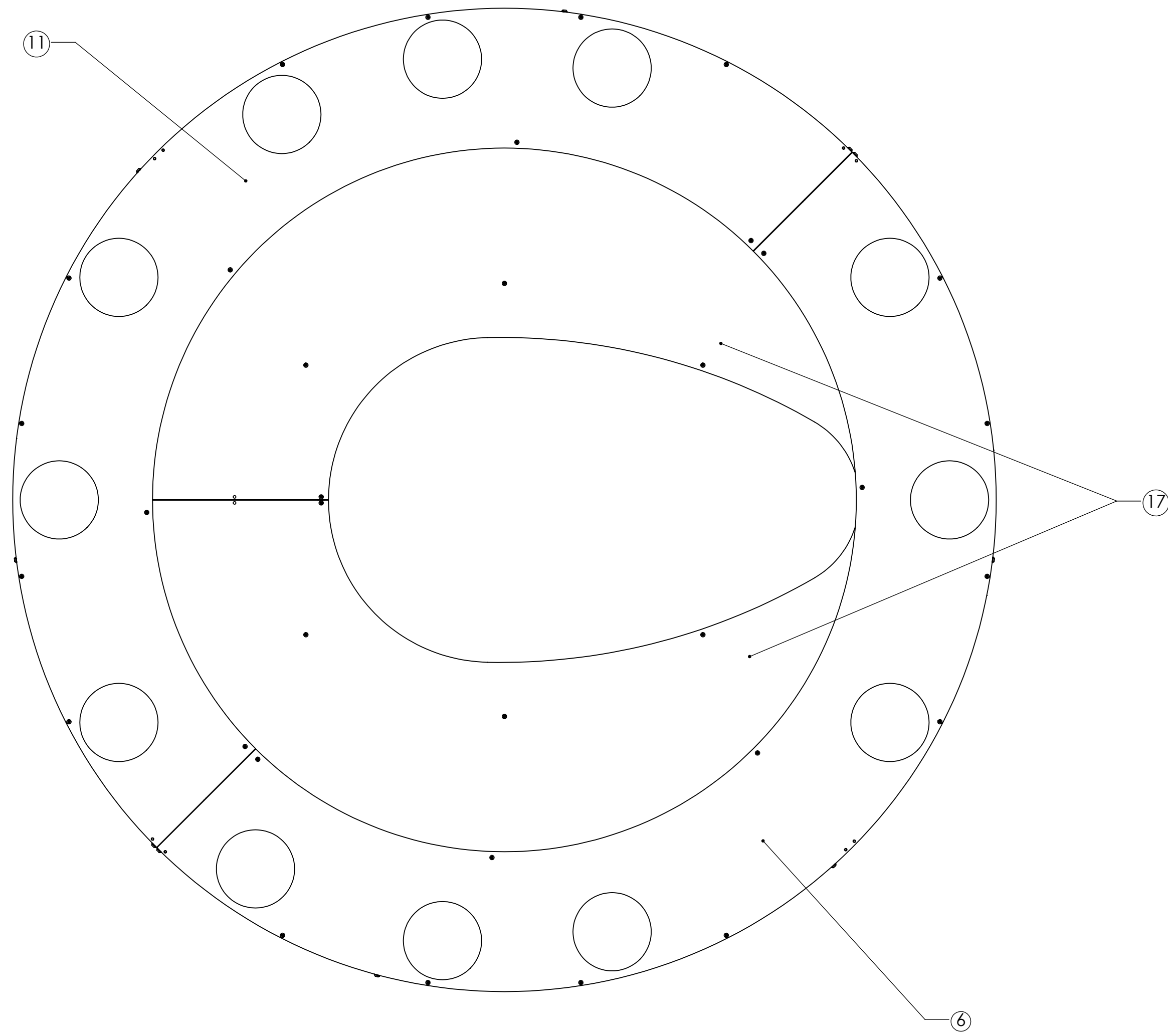


SIDE VIEW



BACK VIEW

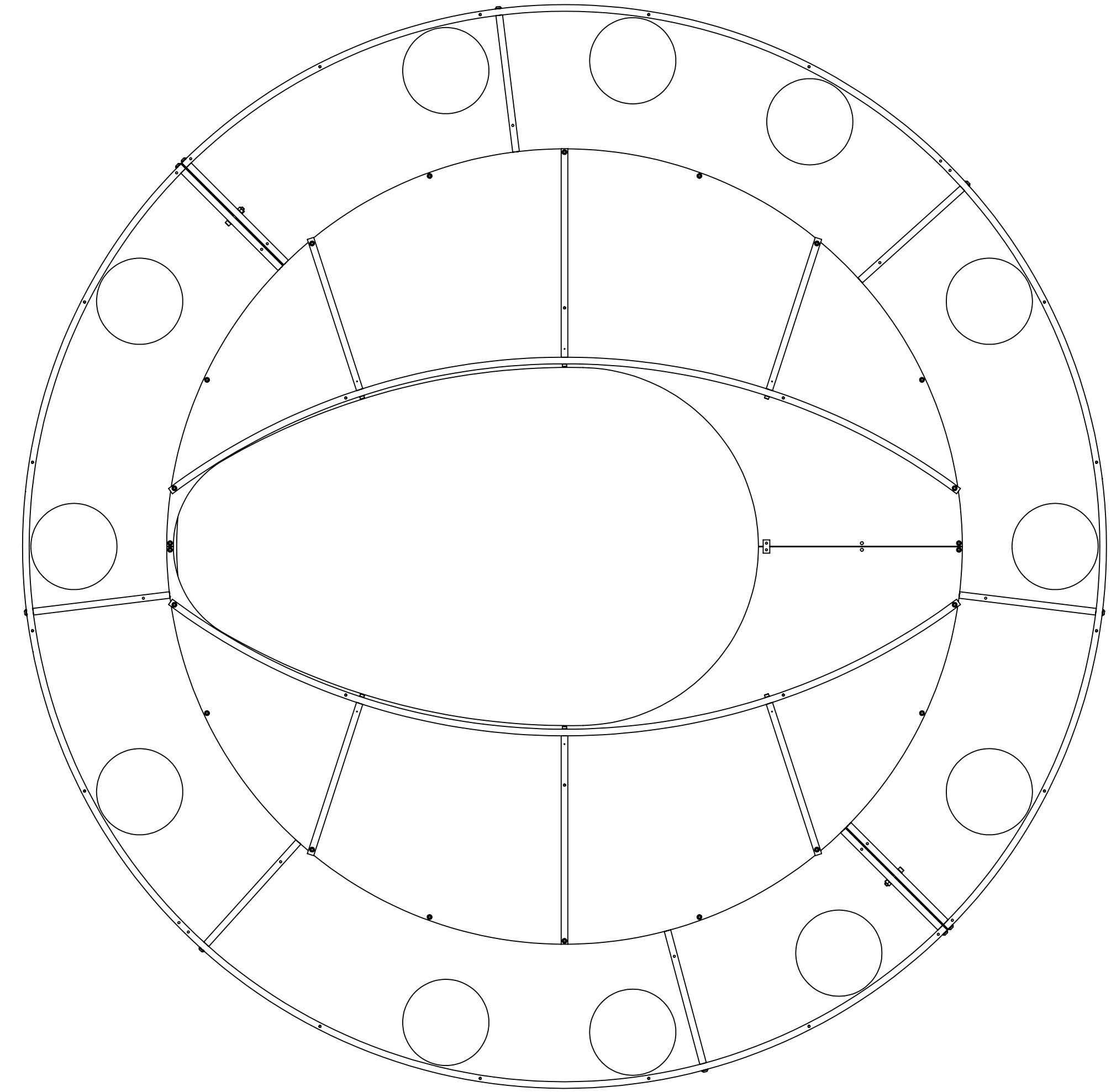
NOTES CONTINUED:
1. APPROXIMATE WEIGHT = 113.5 LB.




FRONT VIEW
MCB4-08 SHOWN



SIDE VIEW



BACK VIEW

 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
SIZE	DWG. NO.	REV.
D	D1002864	v4
SCALE: 1:8	PROJECTION:	SHEET 8 OF 9

D:\002864.d\UGO_Mods\Cleane_Tube_Baffle_Frame Assy_PART PDM_REV.X:108_DRAWING PDM_REV.X:046

PARTS LIST FOR D1002864 MODE CLEANER TUBE BAFFLE ASSEMBLY

8	6	8	6	10	0	10	0	48	BU-1006-NA	BUTTON HEAD SOCKET CAP SCREW, 10-32 X 5/8" L	Ag-PLATED 18-8 SSSL
20	20	20	20	20	22	20	22	47	BU-2016-N	BUTTON HEAD SOCKET HEAD CAP SCREW, 1/4-20 X 1" L	18-8 SSSL
26	26	26	26	26	27	26	27	46	BU-1006-N	BUTTON HEAD SOCKET CAP SCREW, #10-32 X 5/8" L	18-8 SSSL
68	66	68	66	68	53	68	50	45	WF-10	WASHER, #10 SCREW SIZE	18-8 SSSL
24	24	24	24	24	26	24	26	44	WF-25	WASHER, 1/4 SCREW SIZE	18-8 SSSL
2	2	2	2	2	2	2	2	43	N-2520-NA	HEX NUT, 1/4-20	Ag-PLATED 18-8 SSSL
0	0	0	0	0	6	0	6	42	FA-1010-N	SCREW, FLAT HEAD SOCKET CAP, 10-32 X 5/8" L	18-8 SSSL
2	2	2	2	2	2	2	2	41	C-2024-N	SCREW, SOCKET HEAD CAP, 1/4-20 X 1-1/2" L	18-8 SSSL
6	6	6	6	6	0	6	0	40	C-1014-NA	SCREW, SOCKET HEAD CAP, #10-32 X 7/8" L	Ag-PLATED 18-8 SSSL
4	4	4	4	4	4	4	4	39	C-1012-N	SCREW, SOCKET HEAD CAP, #10-32 X 3/4" L	18-8 SSSL
0	0	0	0	0	23	0	20	38	C-1010-N	CREW, SOCKET HEAD CAP, #10-32 X 5/8" L	18-8 SSSL
12	12	12	12	12	0	12	0	37	C-1008-N	SCREW, SOCKET HEAD CAP, #10-32 X 1/2" L	18-8 SSSL
10	10	10	10	10	0	10	0	36	C-1016-N	SCREW, SOCKET HEAD CAP, #10-32 X 1" L	18-8 SSSL
0	0	0	0	0	1	0	0	35	D1101152	TUBE BAFFLE PLATE_LOWER-MCA3	18 GAUGE 304 SSSL
0	0	0	0	0	1	0	0	34	D1101160	RECT BRACE, MCA3	6061-T6 Al
0	0	0	0	0	1	0	0	33	D1100350	INNER LOWER RIGHT BRACE, MCA3	6061-T6 Al
0	0	0	0	0	1	0	0	32	D1100312	INNER UPPER RIGHT BRACE, MCA3	6061-T6 Al
0	0	0	0	0	0	0	1	31	D1101150	TUBE BAFFLE PLATE_UPPER-MCA1	18 GAUGE 304 SSSL
0	0	0	0	0	0	0	1	30	D1101159	RECT BRACE, MCA1	6061-T6 Al
0	0	0	0	0	0	0	1	29	D1100277	INNER LOWER LEFT BRACE, MCA1	6061-T6 Al
0	0	0	0	0	0	0	1	28	D1100121	INNER UPPER LEFT BRACE, MCA1	6061-T6 Al
0	0	0	0	0	3	0	3	27	D1100987	AL APERTURE CLIP	6061-T6 Al
1	0	1	0	2	0	2	0	26	D1003059	APERTURE CLIP	304 SSSL
4	4	4	4	4	0	4	0	25	D1002998	APERTURE SIDE BRACE	304 SSSL
2	2	2	2	2	0	2	0	24	D1002997	APERTURE BRACE	304 SSSL
2	2	2	2	2	0	2	0	23	D1002996	APERTURE SUPPORT	304 SSSL
0	0	0	0	0	1	0	0	22	D1100513	LOWER APERTURE PLATE, MCA3	6061-T6 Al
0	0	0	0	0	1	0	0	21	D1100512	UPPER APERTURE PLATE, MCA3	6061-T6 Al
0	0	0	0	0	0	0	1	20	D1100469	LOWER APERTURE PLATE, MCA1	6061-T6 Al
0	0	0	0	0	0	0	1	19	D1100468	UPPER APERTURE PLATE, MCA1	6061-T6 Al
0	0	0	0	2	0	2	0	18	D1003109	APERTURE PLATE_75MM	18 GAUGE 304 SSSL
2	0	2	0	0	0	0	0	17	D1003110	APERTURE PLATE_200MM	18 GAUGE 304 SSSL
0	2	0	2	0	0	0	0	16	D1002995	APERTURE PLATE_1500MM	18 GAUGE 304 SSSL
0	0	0	0	1	1	1	0	15	D1003118-00	TUBE BAFFLE PLATE_UPPER - MCA	18 GAUGE 304 SSSL
0	0	0	1	0	0	0	0	14	D1003118-01	TUBE BAFFLE PLATE_UPPER - MCB1	18 GAUGE 304 SSSL
0	0	1	0	0	0	0	0	13	D1003118-02	TUBE BAFFLE PLATE_UPPER - MCB2	18 GAUGE 304 SSSL
0	1	0	0	0	0	0	0	12	D1003118-03	TUBE BAFFLE PLATE_UPPER - MCB3	18 GAUGE 304 SSSL
1	0	0	0	0	0	0	0	11	D1003118-04	TUBE BAFFLE PLATE_UPPER - MCB4	18 GAUGE 304 SSSL
0	0	0	0	1	0	1	1	10	D1003119-00	TUBE BAFFLE PLATE_LOWER - MCA	18 GAUGE 304 SSSL
0	0	0	1	0	0	0	0	9	D1003119-01	TUBE BAFFLE PLATE_LOWER - MCB1	18 GAUGE 304 SSSL
0	0	1	0	0	0	0	0	8	D1003119-02	TUBE BAFFLE PLATE_LOWER - MCB2	18 GAUGE 304 SSSL
0	1	0	0	0	0	0	0	7	D1003119-03	TUBE BAFFLE PLATE_LOWER - MCB3	18 GAUGE 304 SSSL
1	0	0	0	0	0	0	0	6	D1003119-04	TUBE BAFFLE PLATE_LOWER - MCB4	18 GAUGE 304 SSSL
10	10	10	10	10	11	10	11	5	D1002871	TUBE BAFFLE SPOKE	6061-T6 Al
1	1	1	1	1	1	1	0	4	D1002869	TUBE BAFFLE INNER LEFT BRACE	6061-T6 Al
1	1	1	1	1	0	1	1	3	D1002868	TUBE BAFFLE INNER RIGHT BRACE	6061-T6 Al
1	1	1	1	1	1	1	1	2	D1002867	TUBE BAFFLE LEFT BRACE	6061-T6 Al
1	1	1	1	1	1	1	1	1	D1001926	TUBE BAFFLE RIGHT BRACE	6061-T6 Al
-08	-07	-06	-05	-04	-03	-02	-01	ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL
MCB4	MCB3	MCB2	MCB1	MCA4	MCA3	MCA2	MCA1				


CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SIZE DWG. NO. **D1002864** REV. **v4**

SCALE: 1:12 PROJECTION:  SHEET 9 OF 9

D1002864.dwg; Models; Cleaner_Tube_Baffle_Frame Assy; PART PDM REV.; DRAWING PDM REV. X-946