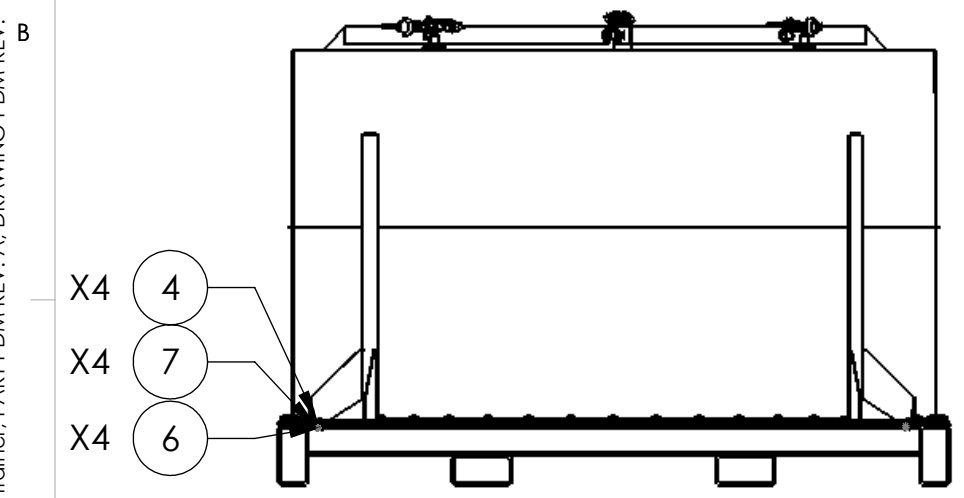
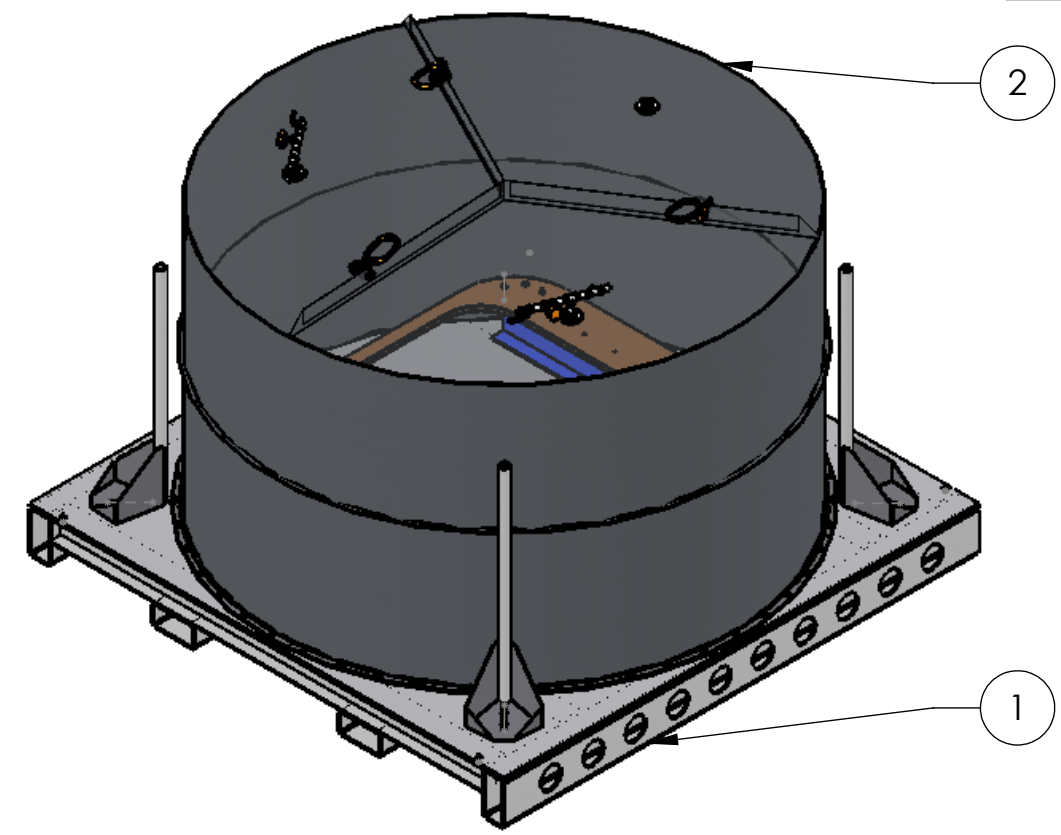
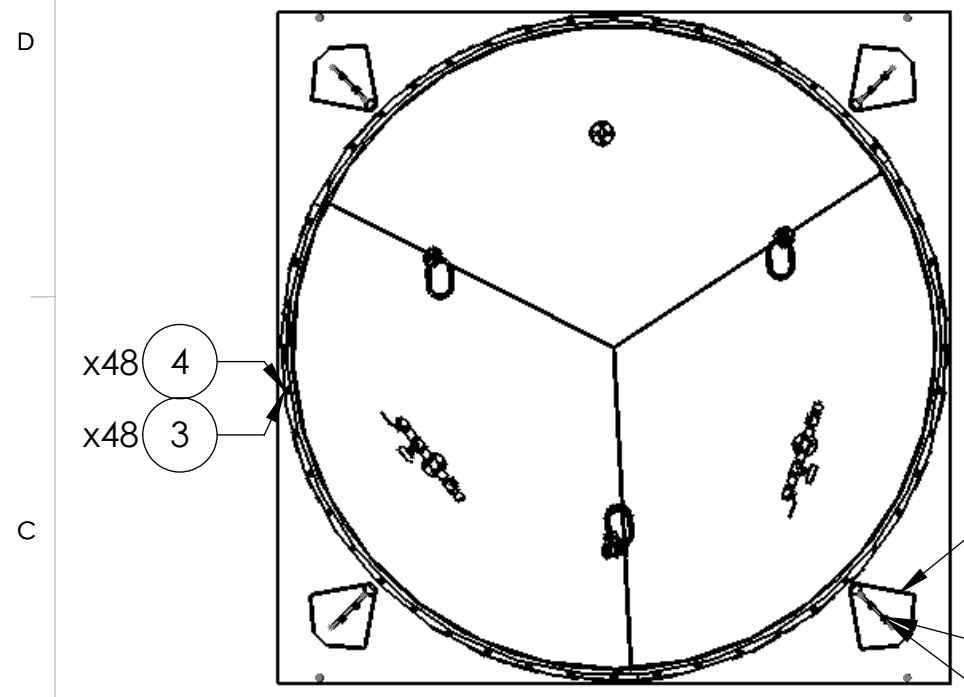


D1002663 BSC ISI Storage Container, PART PDM REV: A, DRAWING PDM REV: B

REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-



8	SHCS	3/8-16 X .5	18-8	8	8	
7	MCMASTER 91235A120	BELLEVILLE WASHER		4	4	
6	HEX NUT	3/8-16	18-8	4	4	
5	D1002685	GUIDE POST ASSY	-	4	4	
4	SHCS	3/8-16 x .875	18-8	52	52	
3	MCMASTER 93852A104	WASHERS	Material <not specified >	56	56	
2	D1002670	COVER ASSEMBLY	SEE BOM	1	1	
1	D1002682	BASE ASSEMBLY	SEE BOM	1	1	
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	RE Q	SPA RE	TOT AL

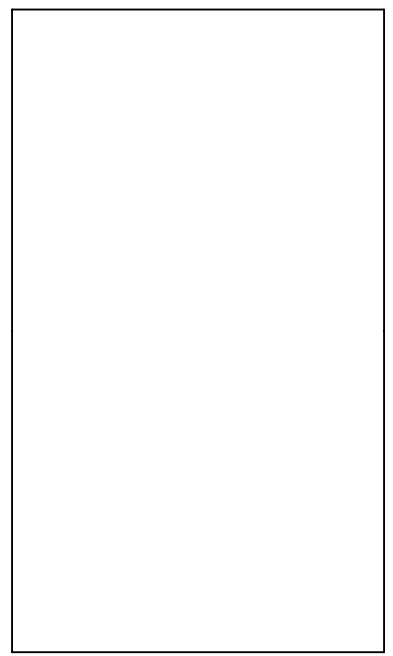
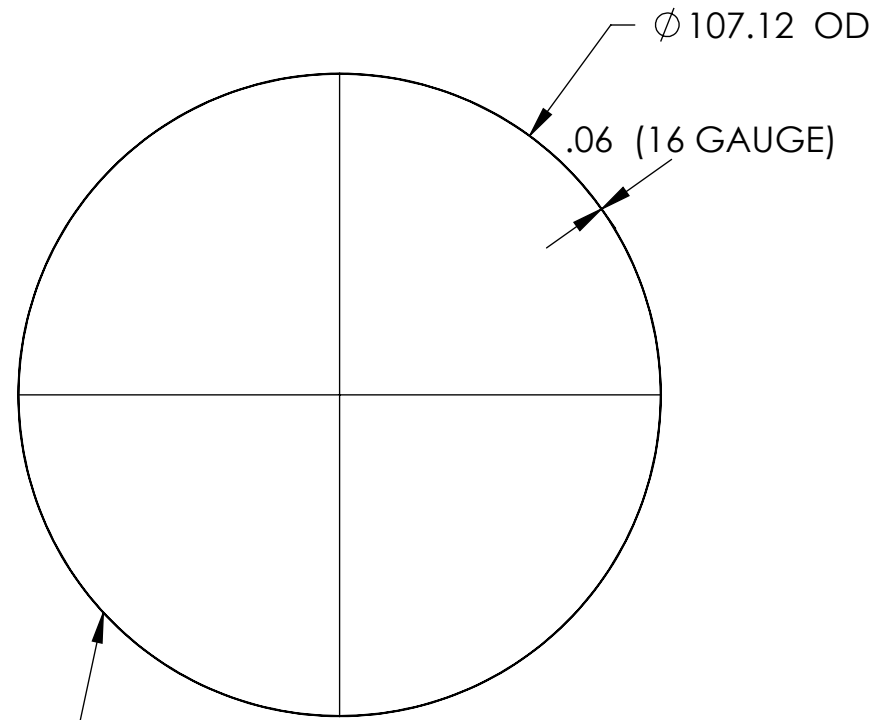
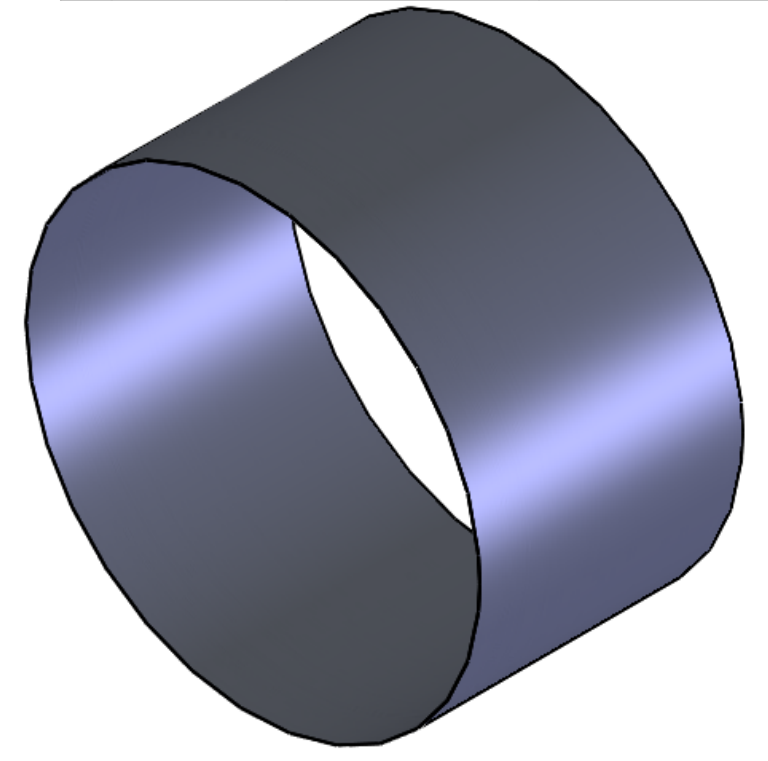
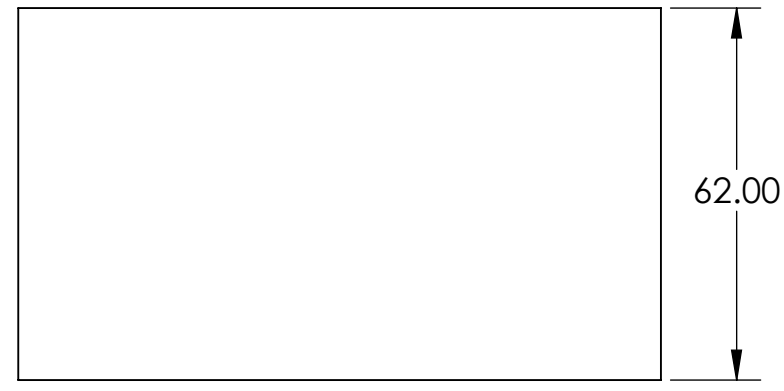
PARTS LIST

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

Container must be air tight.

CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME BSC ISI STORAGE-ONLY CONTAINER	
SYSTEM	SUB-SYSTEM	DESIGNER	FOLEY
		DRAFTER	12/15/02010
		CHECKER	SIZE DWG. NO.
		APPROVAL	B D1002663
MATERIAL		SCALE: 1:48	
FINISH		PROJECTION:	
NEXT ASSY		SHEET 1 OF 1	
-	-	μinch	

REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-



WELD ONE OR MORE SEAMS
AIR TIGHT,
SMOOTH AND CLEAN ON
INTERIOR and ON TOP AND BOTTOM
1" OF EXTERIOR

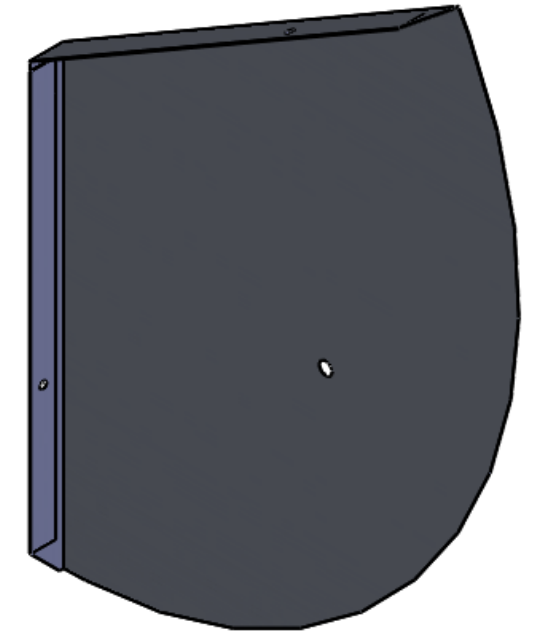
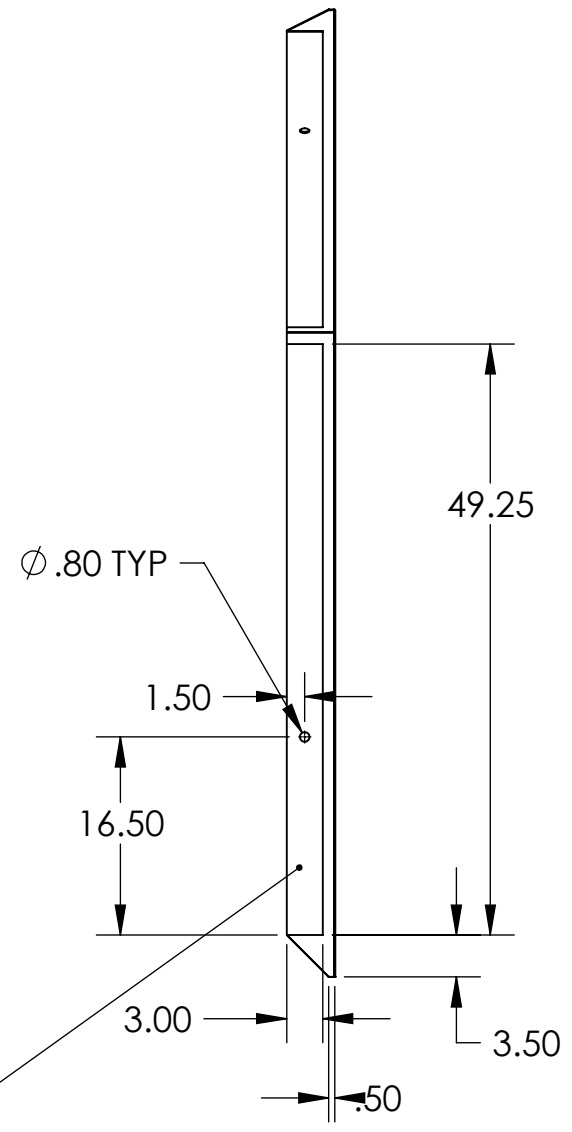
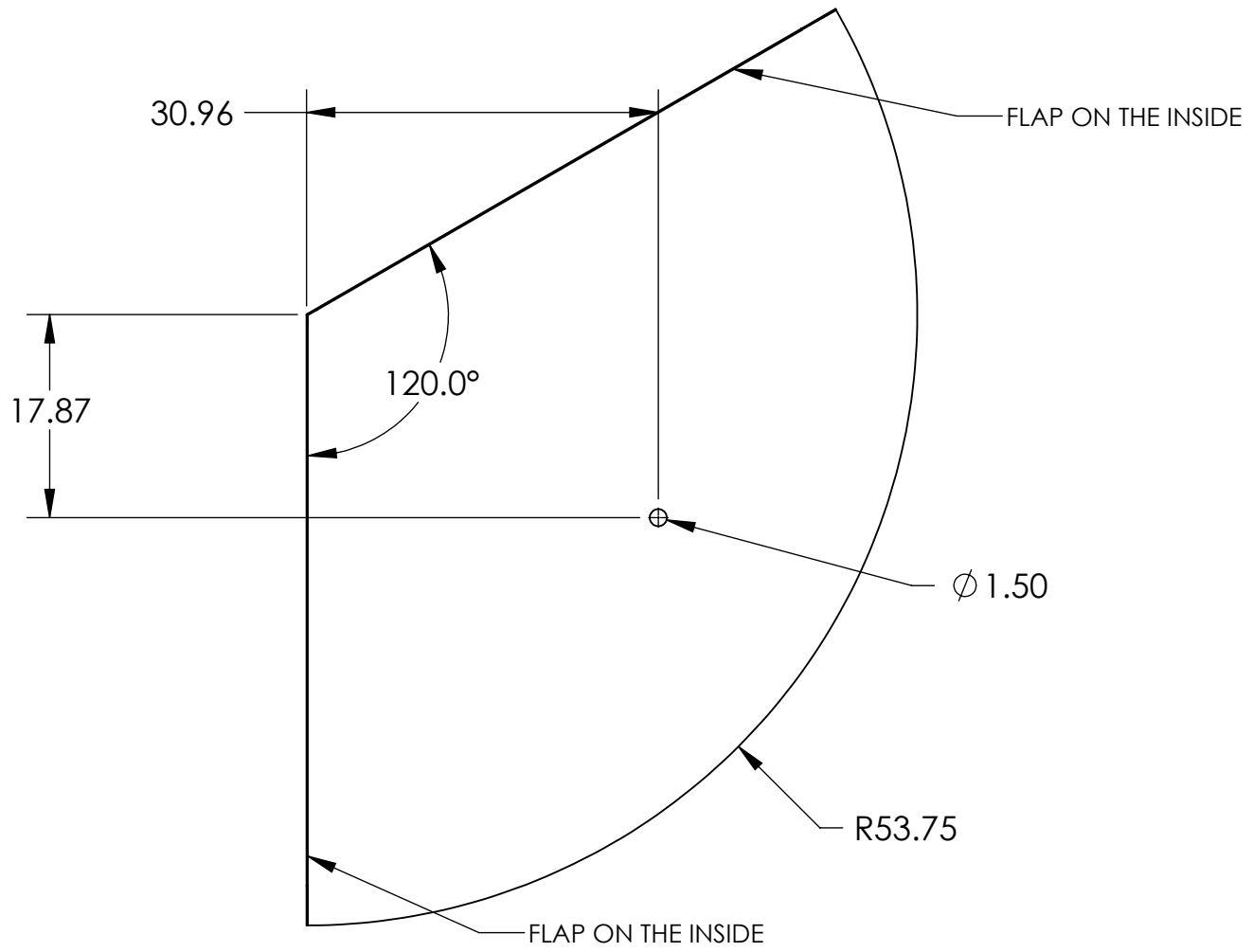
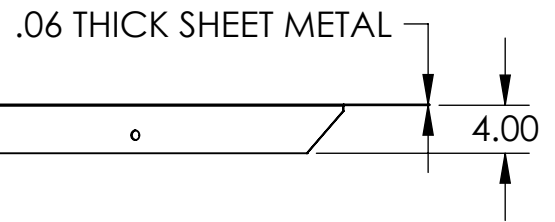
D1002664- wall, PART PDM REV: A, DRAWING PDM REV:

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				LIGO		CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME									
DIMENSIONS ARE IN INCHES TOLERANCES: .XX ± .01 .XXX ± .004 ANGULAR ± °				1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGE AND BURRS. 3. DO NOT SCALE FROM DRAWING. 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.				SYSTEM		SUB-SYSTEM		DESIGNER	FOLEY	12/15/2010	SIZE	DWG. NO.	REV.
								MATERIAL		FINISH		NEXT ASSY		APPROVAL		CHECKER	
				AISI 304		- μinch		D1002670				WALL		B D1002664 V1			

8 7 6 5 4 3 2 1

REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-

D1002665- top plate, PART PDM REV: A, DRAWING PDM REV:

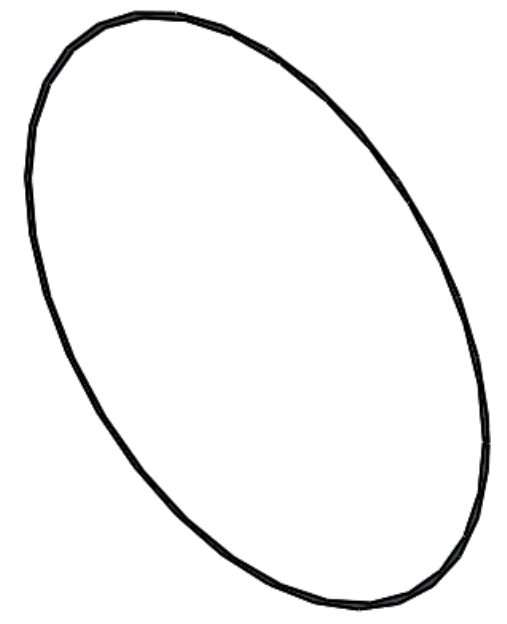
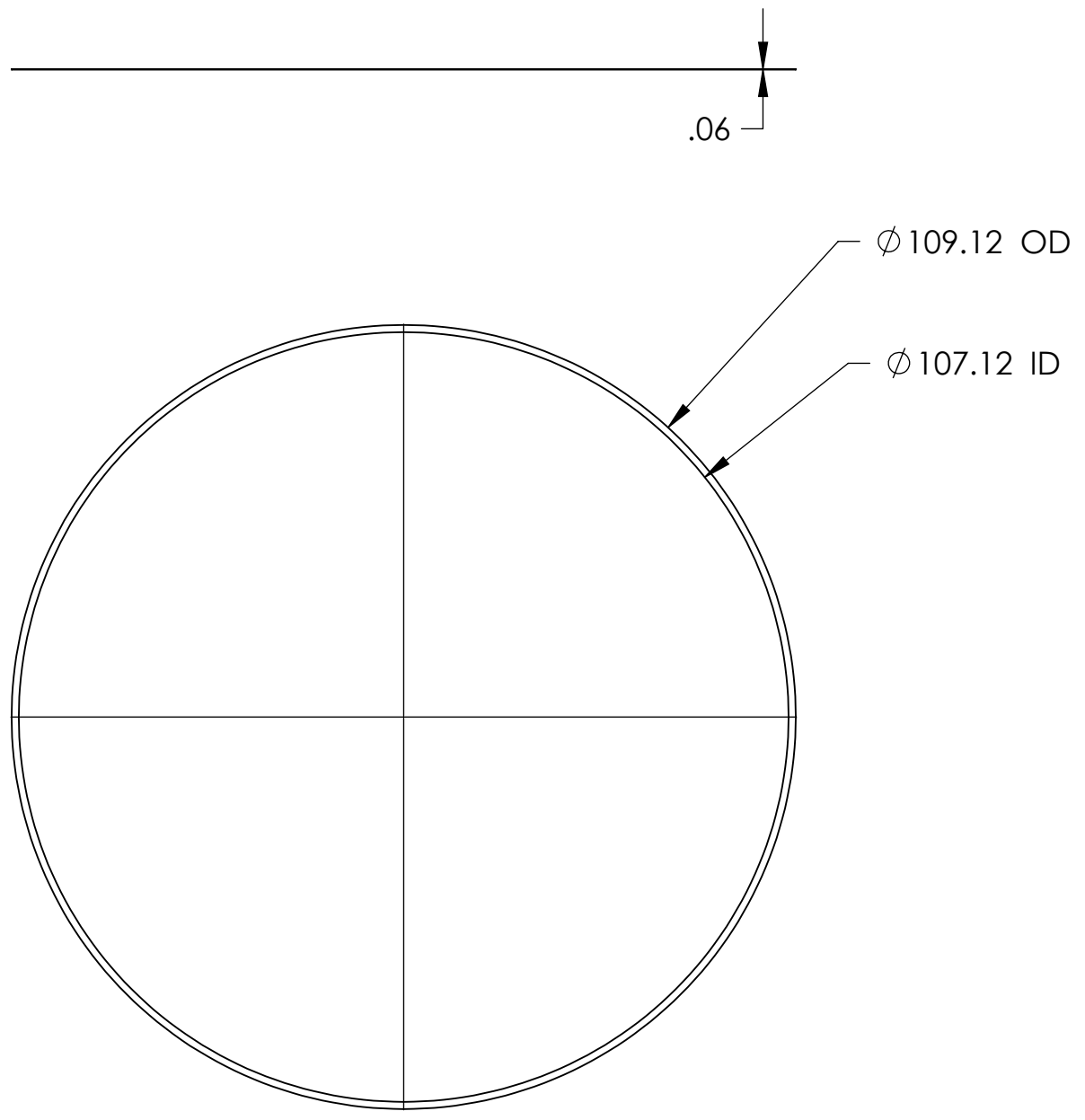


NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				LIGO SYSTEM		CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME	
DIMENSIONS ARE IN INCHES TOLERANCES: .XX ± .01 .XXX ± .004 ANGULAR ± °				1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES AND BURRS. 3. DO NOT SCALE FROM DRAWING. 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.		DESIGNER FOLEY 12/15/2010 DRAFTER CHECKER APPROVAL		TOP PLATE SIZE DWG. NO. B D1002665 SCALE: 1:16 PROJECTION:	
MATERIAL		FINISH		NEXT ASSY		SUB-SYSTEM		REV.	
AISI 304		- μinch		D1002670				V1	
								SHEET 1 OF 1	

8 7 6 5 4 3 2 1

REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-

NOTES CONTINUED:
 4. SHEET METAL WALL RING MAY BE FABRICATED IN SEVERAL SECTIONS AND WELDED TOGETHER.



D1002666- wall ring, PART PDM REV: A, DRAWING PDM REV:

D
C
B
A

D
C
B
A

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME	
DIMENSIONS ARE IN INCHES		1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES AND BURRS. 3. DO NOT SCALE FROM DRAWING.		SYSTEM	SUB-SYSTEM	DESIGNER	FOLEY
TOLERANCES: .XX ± .01 .XXX ± .004 ANGULAR ± *		MATERIAL	FINISH	NEXT ASSY	DWG. NO.	REV.	
		AISI 304	- μinch	D1002670	B D1002666	V1	
				SCALE: 1:24	PROJECTION:	SHEET 1 OF 1	

8 7 6 5 4 3 2 1

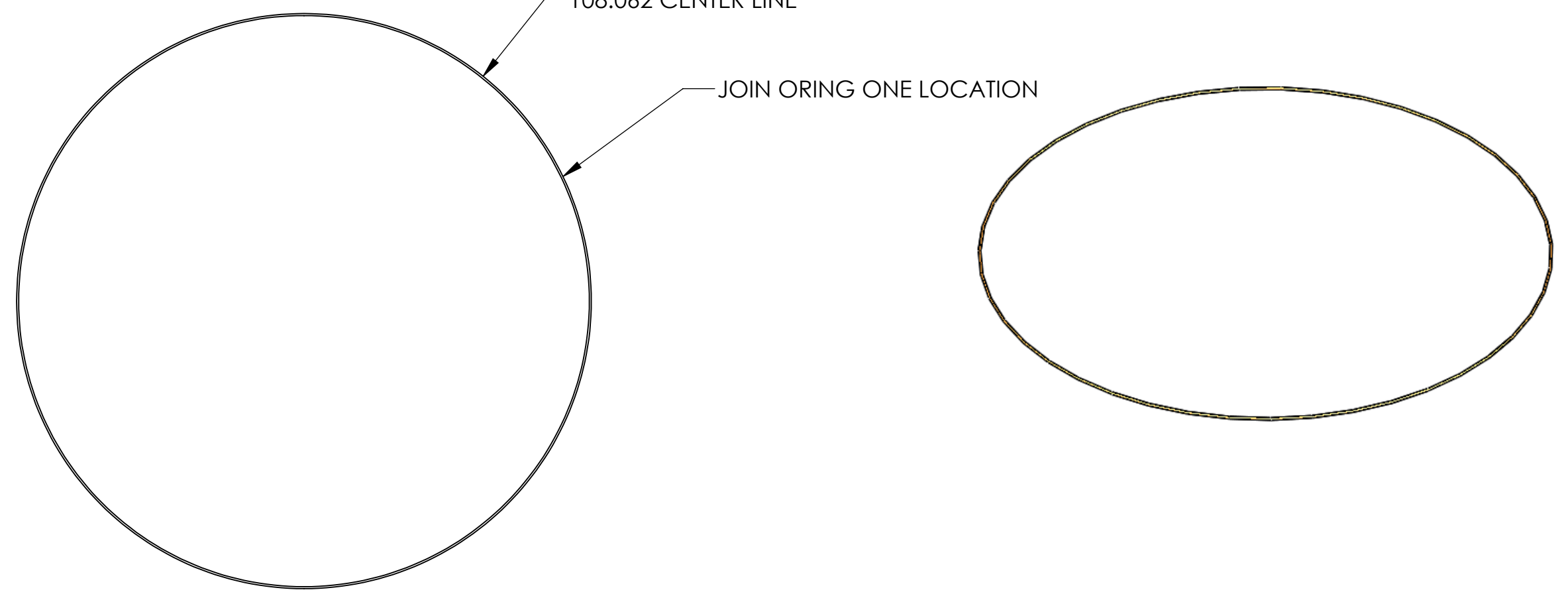
8 7 6 5 4 3 2 1

REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-

LENGTH OF CORD = 339.49 INCHES

108.062 CENTER LINE

JOIN ORING ONE LOCATION



D
C
B
A

D
C
B
A

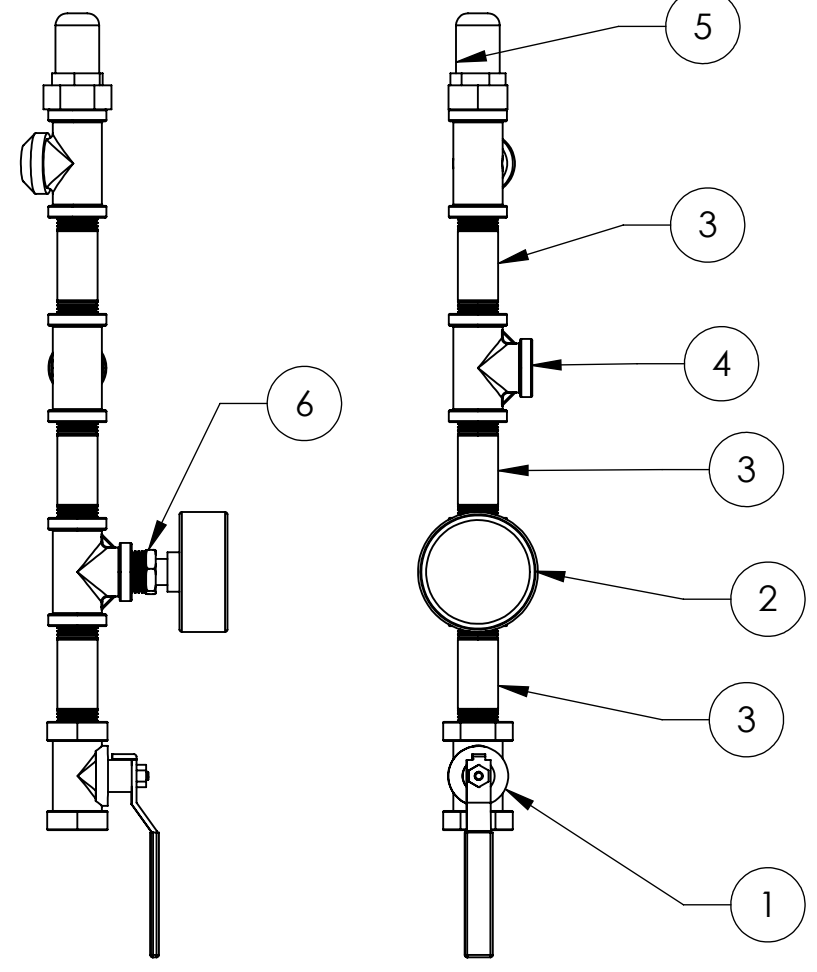
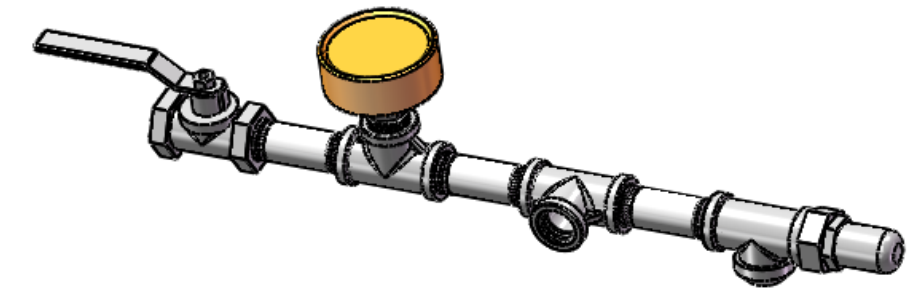
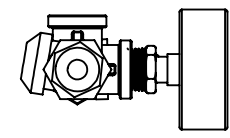
D1002667 o-ring, PART PDM REV: A, DRAWING PDM REV:

8 7 6 5 4 3 2 1

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME	
DIMENSIONS ARE IN INCHES		1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. DO NOT SCALE FROM DRAWING. 3. USE MCMASTER PART NUMBER 96515K47 ORING CORD 3/8 DIAMETER VITON ams 3216G OR LIGO APPROVED EQUIVALENT		SYSTEM	SUB-SYSTEM	DESIGNER	FOLEY 12/15/2010
TOLERANCES: .XX ± .01 .XXX ± .004 ANGULAR ± °		MATERIAL SEE NOTES		FINISH - μinch	NEXT ASSY D1002670	DRAPER	SIZE DWG. NO. B D1002667
						CHECKER	REV. V1
						APPROVAL	SCALE: 1:24 PROJECTION: SHEET 1 OF 1

8 7 6 5 4 3 2 1

REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-



6	MCMaster 4464K642	BUSHING 1/2-1/4 NPT SS		1		1
5	MCMaster 7844K52	PRESSURE RELIEF VALVE 4 TO 10 PSI SS		1		1
4	MCMaster 4464K51	TEE 1/2 NPT SS		2		2
3	MCMaster 4830K175	NIPPLE 1/2" NPT X 3" L SS		3		3
2	MCMaster 4066K51	PRESSURE GAUGE SS 0 - 30 PSI	Material <not specified >	1		1
1	MCMaster 4649K21	BALL VALVE 1/2 FMPT SS	Material <not specified >	1		1
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	RE Q	SPA RE	TOT AL

PARTS LIST

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

PART NAME
VALVE ASSEMBLY

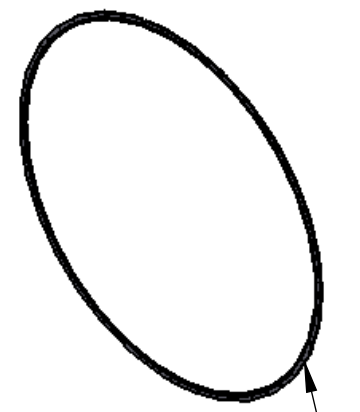
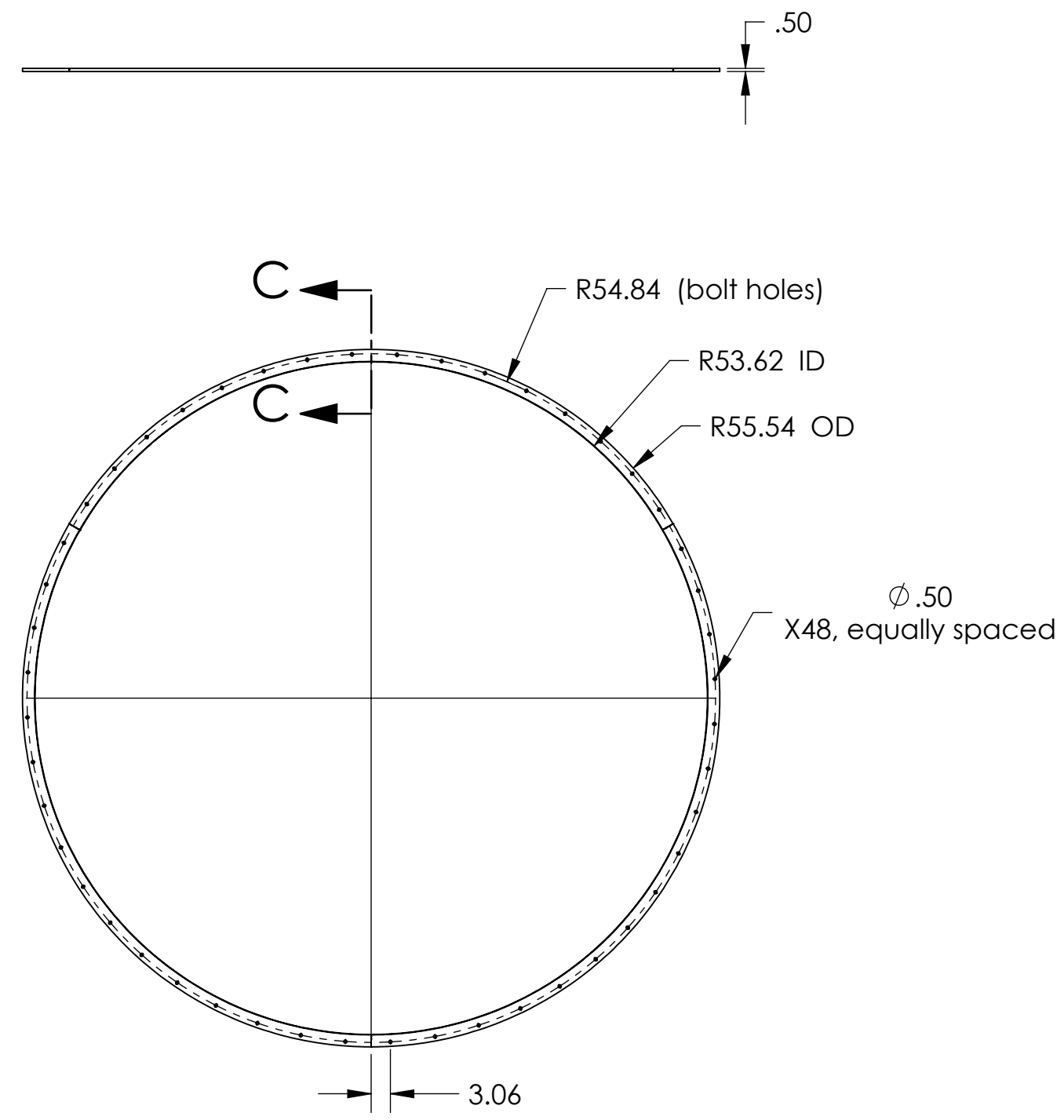
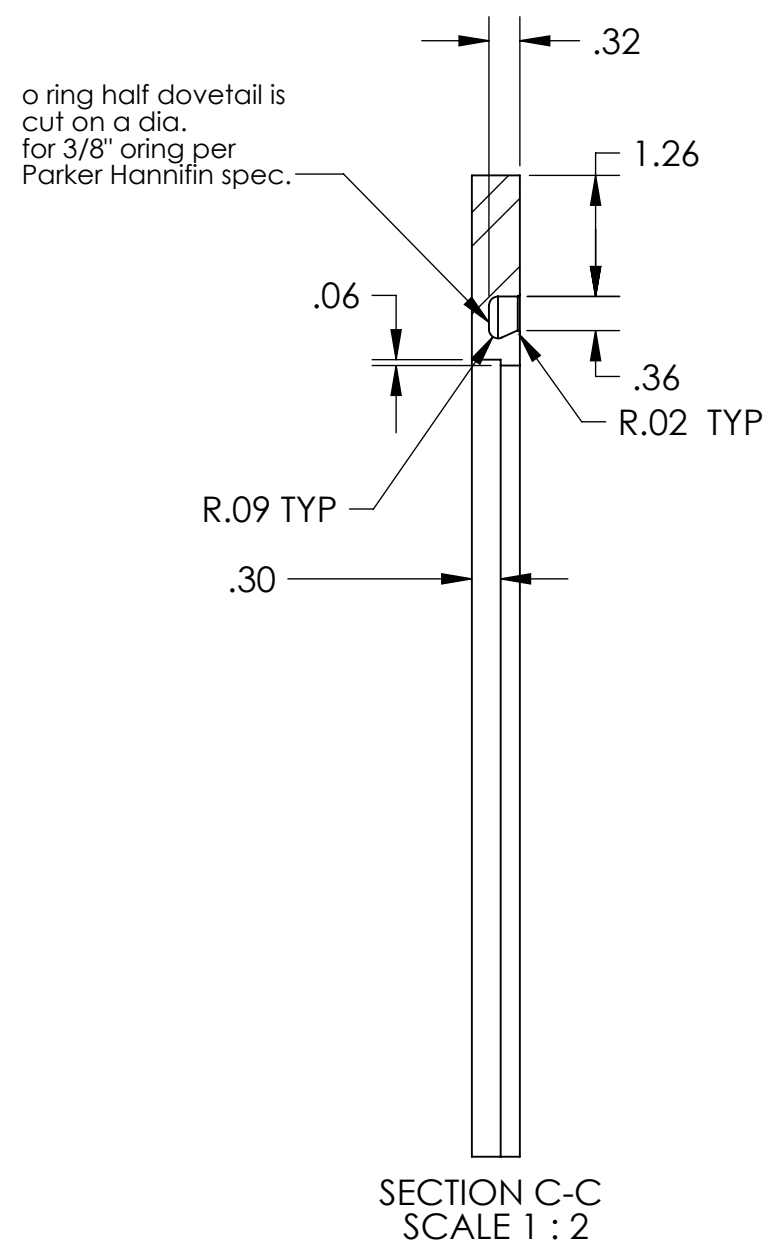
MATERIAL FINISH NEXT ASSY
μinch

DESIGNER	DRFTER	CHECKER	APPROVAL	SIZE DWG. NO. B D1002668	REV. V1
SCALE: 1:4 PROJECTION:				SHEET 1 OF 1	

D1002668- valve assembly, PART PDM REV.: , DRAWING PDM REV.:

8 7 6 5 4 3 2 1

REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-

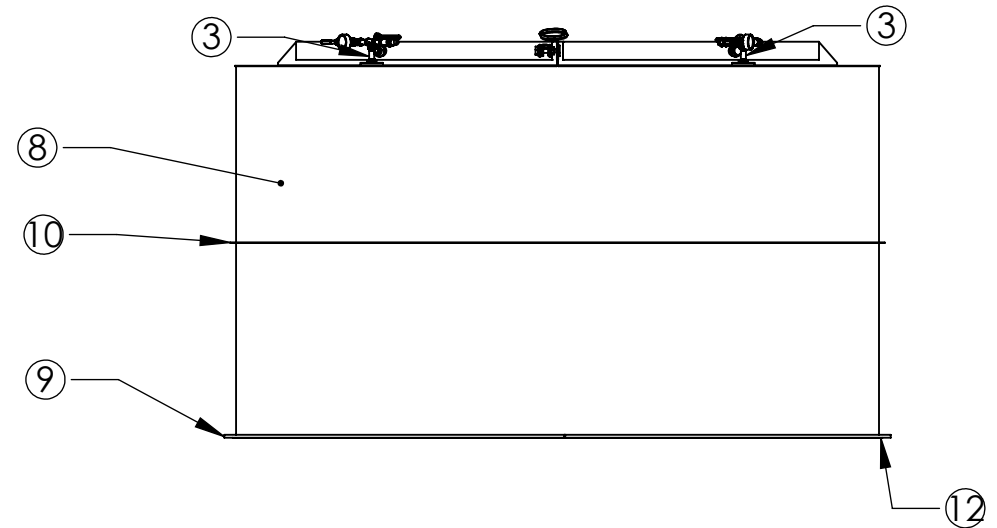
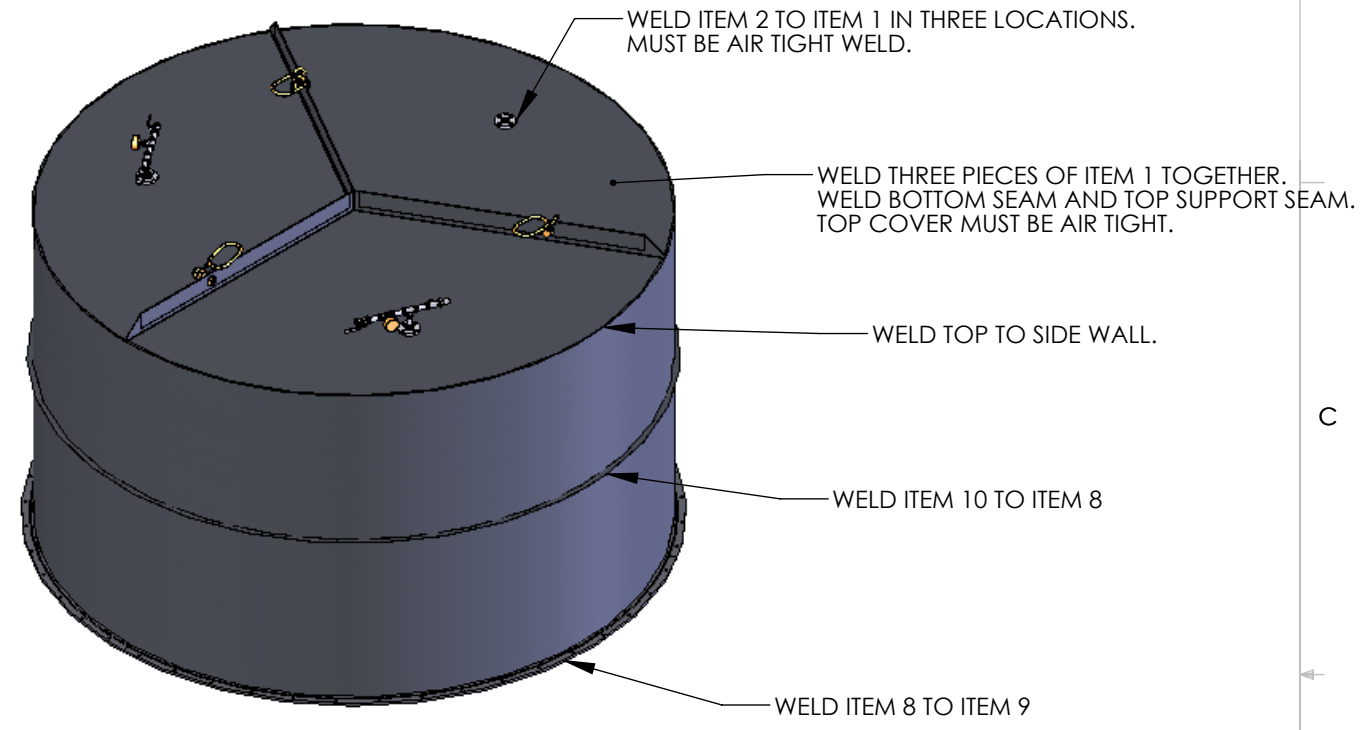
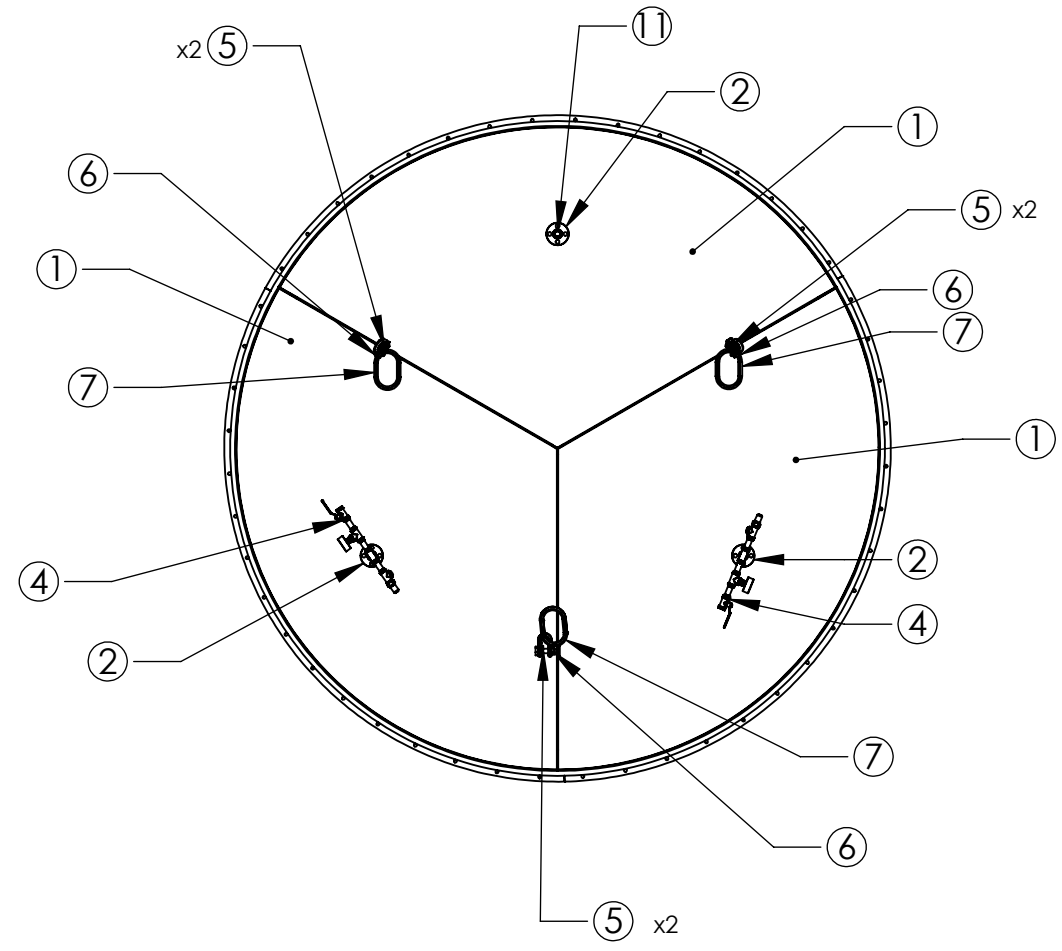


THIS RING IS MAY BE SECTIONED INTO 3 120 DEGREE PIECES AND WELDED TOGETHER. ORING CHANNEL MUST BE AIR TIGHT AND CLEAR OF ALL DEBRIS.

D1002669- seal plate, PART PDM REV: A, DRAWING PDM REV:

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME	
DIMENSIONS ARE IN inches				SYSTEM	SUB-SYSTEM	DESIGNER	FOLEY
TOLERANCES: .XX ± .01 .XXX ± .004 ANGULAR ± *				1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES AND BURRS. 3. DO NOT SCALE FROM DRAWING.	DATE	12/15/2010	SIZE DWG. NO.
MATERIAL				FINISH	NEXT ASSY	CHECKER	REV.
AISI 304				- μinch	D1002670	APPROVAL	V1
						SCALE: 1:24	PROJECTION:
						SHEET 1 OF 1	

REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-



ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	Defa ult/R EQ	SPARE	TOTAL
12	D1002667	ORING 3/8	VITON	1		1
11	MCMaster 4464K334	PLUG	SS	1		1
10	D1002666	SHEET METAL WALL RING	AISI 304	1		1
9	D1002669	SEAL PLATE (FLANGE)	AISI 304	1		1
8	D1002664	WALL	AISI 304	1		1
7	MCMaster 3199T11	RING	Material <not specified>	3		3
6	MCMaster 3556T15	SHACKLES	-	3		3
5	MCMaster 98125A037	WASHER	Material <not specified>	6		6
4	D1002668	VALVE ASSEMBLY		2		2
3	MCMaster 4830K175	NIPPLE 1/2" NPT X 3" L SS		2		2
2	MCMaster 7977K11	PIPE FITTING 1/2" SS		3		3
1	D1002665	TOP PLATE	AISI 304	3		3

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

TOP COVER MUST BE AIR TIGHT



PART NAME
COVER ASSEMBLY

MATERIAL SEE BOM FINISH - μinch NEXT ASSY D1002663

DESIGNER FOLEY 12/15/2010 SIZE DWG. NO. **B D1002670** REV. **V1**
CHECKER APPROVAL SCALE: 1:48 PROJECTION: SHEET 1 OF 1

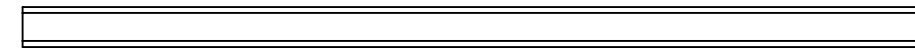
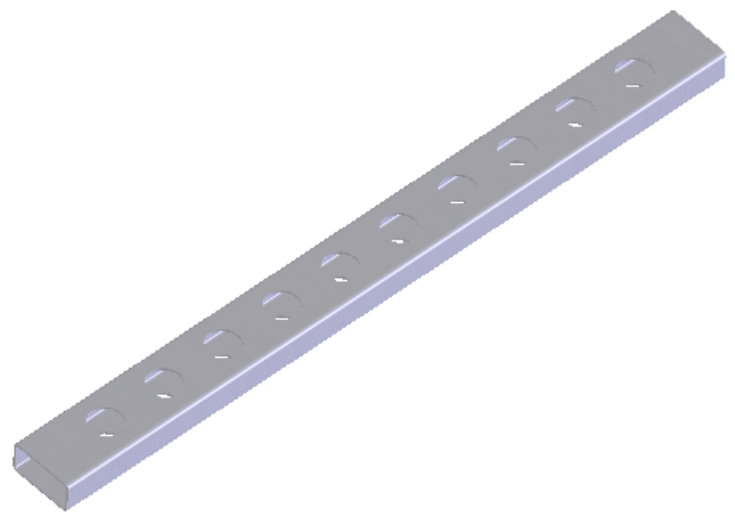
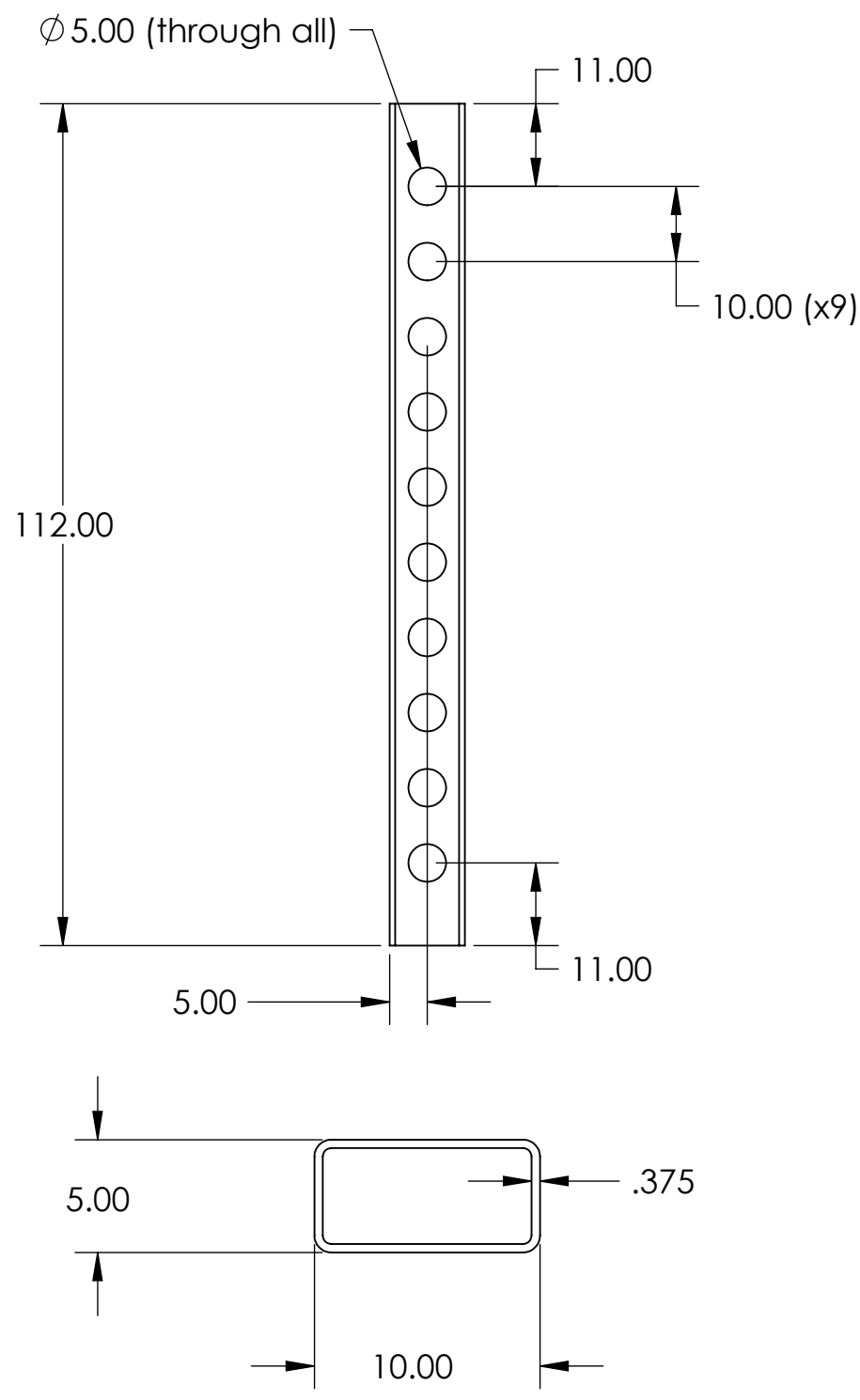
D1002670- cover assembly, PART PDM REV: A, DRAWING PDM REV:

8 7 6 5 4 3 2 1

NOTES CONTINUED:
 5. Remove all burrs and sharp edges.
 6. Purchase standard rectangular or fabricated tube ASTM A500 Grade B or equivalent

REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-

D
C
B
A



D1002671 - rectangular beam, PART PDM REV: A, DRAWING PDM REV:

8 7 6 5 4 3 2 1

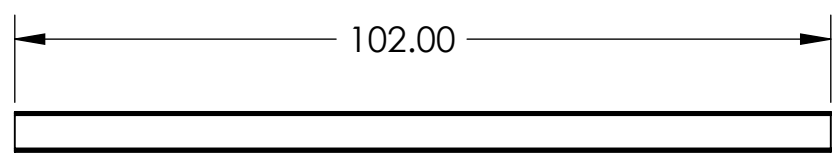
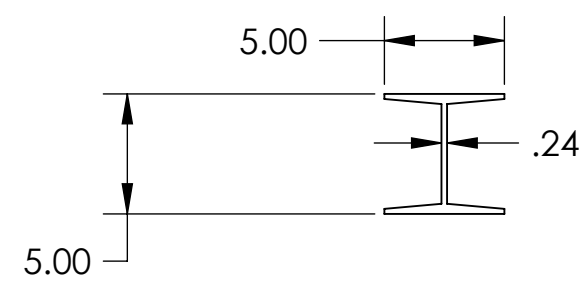
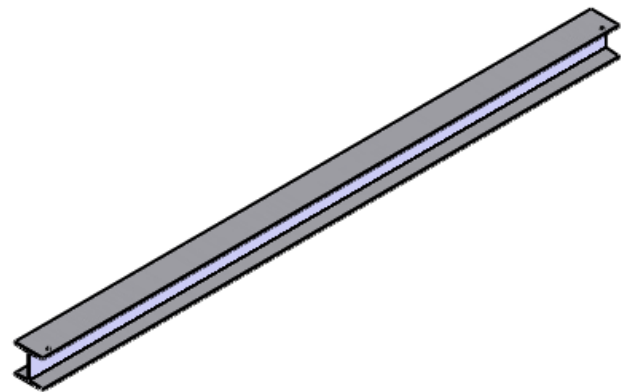
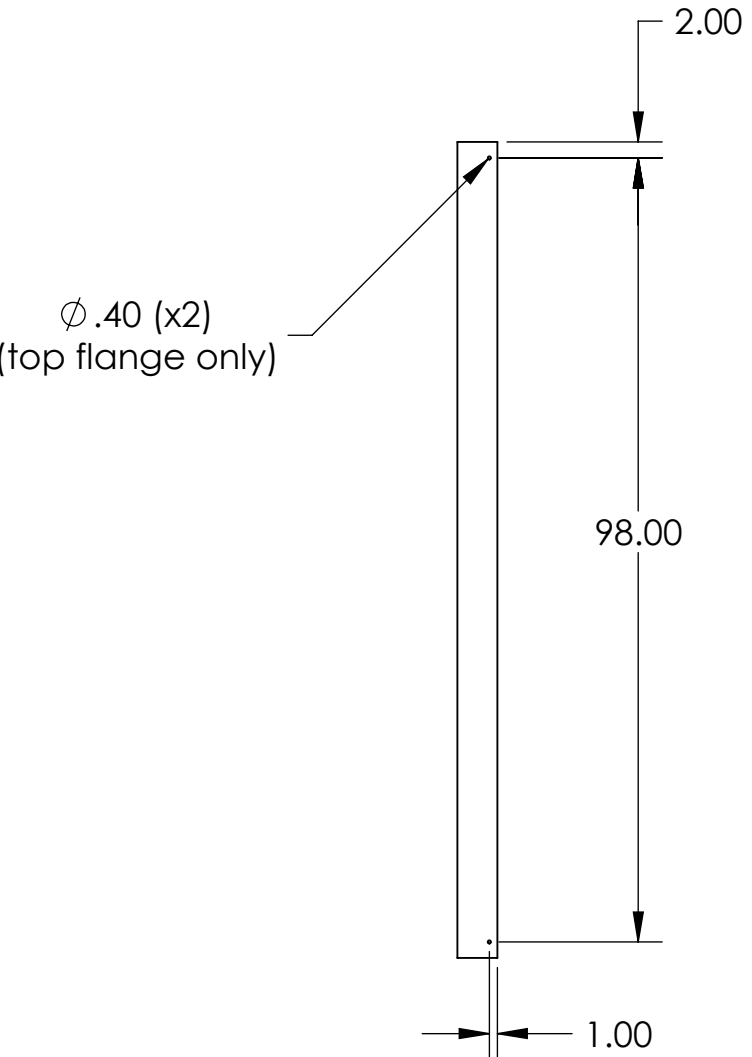
NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME		
DIMENSIONS ARE IN inches TOLERANCES: .XX ± .10 .XXX ± .100 ANGULAR ± °				1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES, R.02 MIN. 3. DO NOT SCALE FROM DRAWING. 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.		rectangular beam		
						MATERIAL Plain Carbon Steel	FINISH - μinch	NEXT ASSY D1002682
						SCALE:	PROJECTION:	SHEET 1 OF 1

8 7 6 5 4 3 2 1

NOTES CONTINUED:
 4. PURCHASE STANDARD I BEAM W SHAPE (STRUCTURAL WIDE FLANGE)
 ASTM A-36 OR EQUIVALENT.

REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-

D
C
B
A



D
C
B
A

D1002672- bcase I-beam A, PART PDM REV: A, DRAWING PDM REV:

8 7 6 5 4 3 2 1

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME	
DIMENSIONS ARE IN inches		1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES AND BURRS 3. DO NOT SCALE FROM DRAWING.		SYSTEM	SUB-SYSTEM	DESIGNER	Foley
TOLERANCES: .XX ± .05 .XXX ±		MATERIAL Plain Carbon Steel		NEXT ASSY D1002682		DATE	12/14/2010
ANGULAR ± °		FINISH - μinch		DWG. NO. B D1002672		REV.	v1
				SCALE: 1:24		PROJECTION: SHEET 1 OF 1	

8

7

6

5

4

3

2

1

NOTES CONTINUED:

4. Purchase Standard I beam W-shape (structural wide flange)
ASTM A-36 I beam or equivalent

REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-

D

D

C

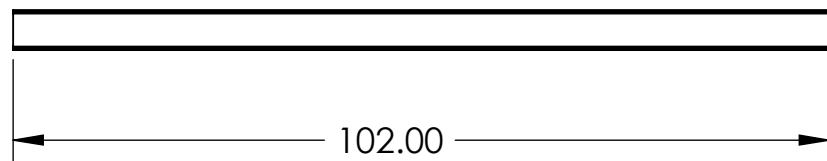
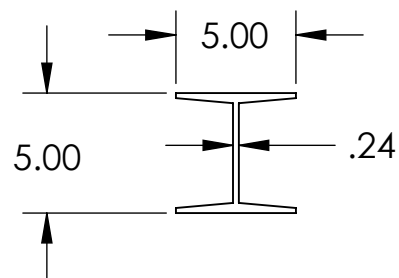
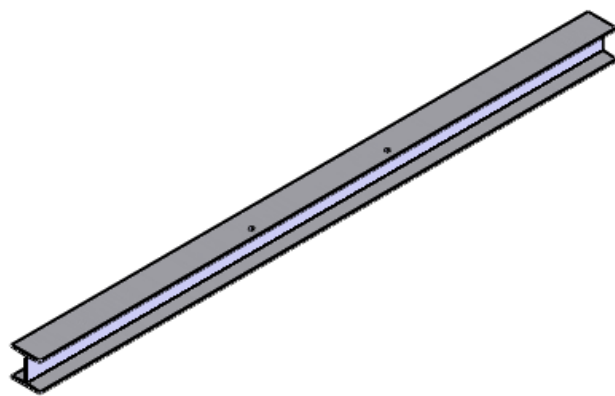
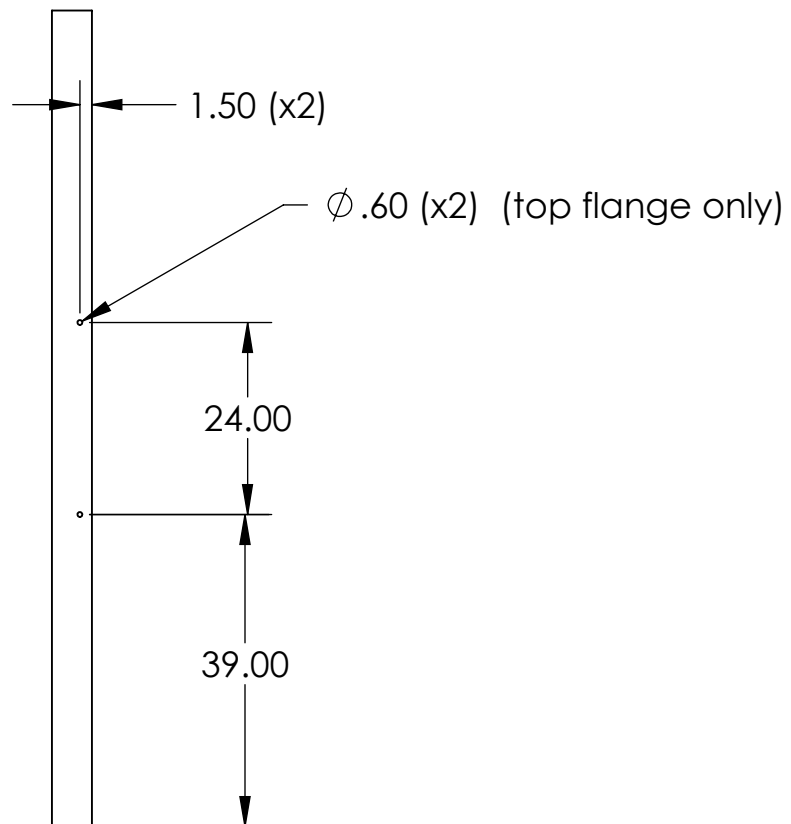
C

B

B

A

A



D1002673 - base i-beam B, PART PDM REV: A, DRAWING PDM REV:

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME	
DIMENSIONS ARE IN inches		1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. Remove all burrs and sharp edges. 3. DO NOT SCALE FROM DRAWING.		SYSTEM	SUB-SYSTEM	DESIGNER	Foley
TOLERANCES: .XX ± .05 .XXX ±		MATERIAL Plain Carbon Steel		NEXT ASSY D1002682		DRAPER	12/14/2010
ANGULAR ± °		FINISH - μinch		SCALE: 1:24		CHECKER	PROJECTION:
				DWG. NO. B D1002673		APPROVAL	REV. v1
				SHEET 1 OF 1			

8

7

6

5

4

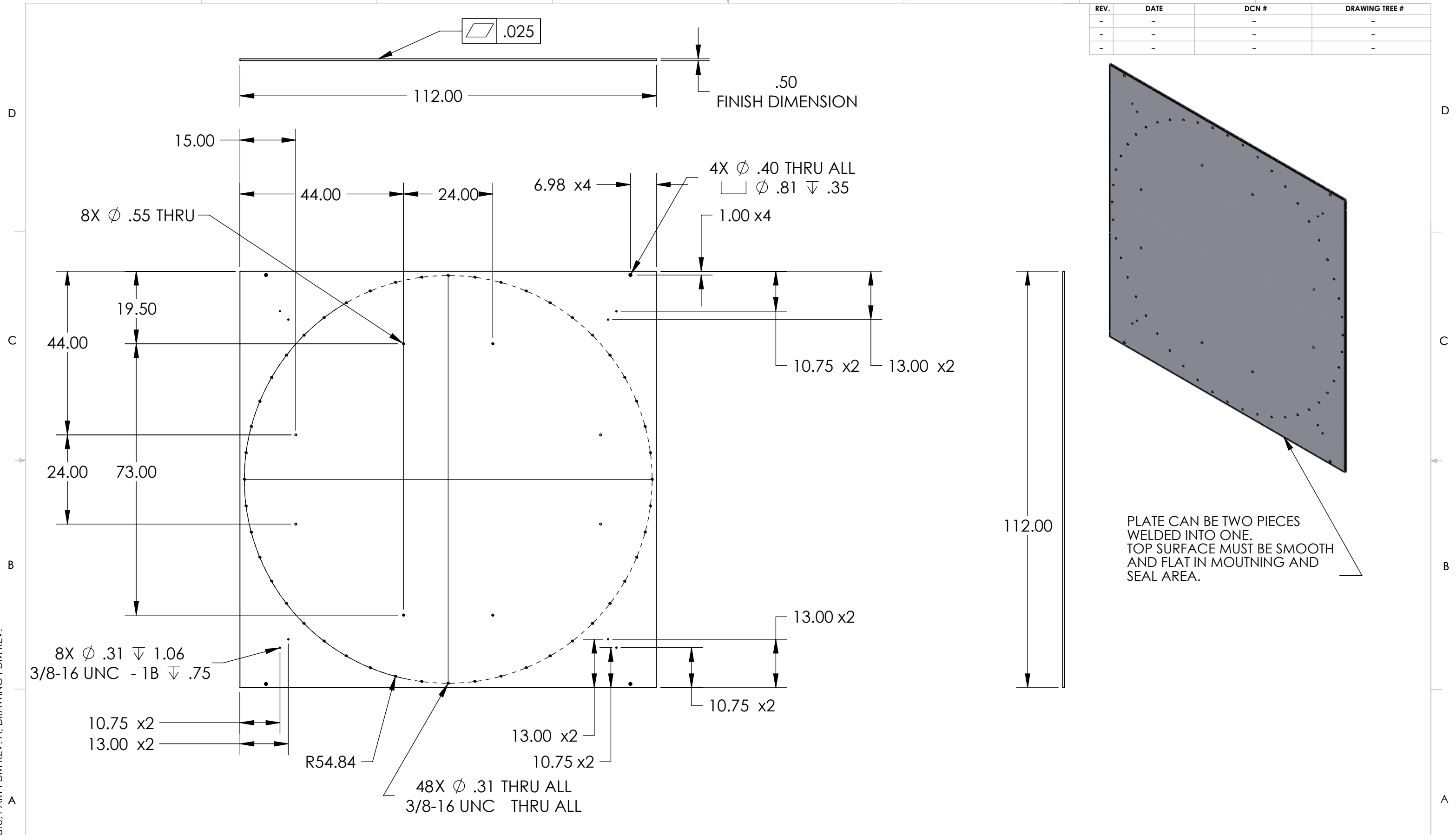
3

2

1

8 7 6 5 4 3 2 1

REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-



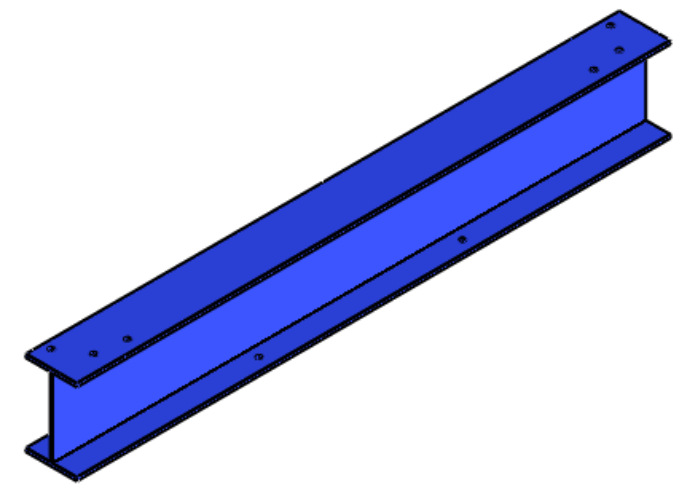
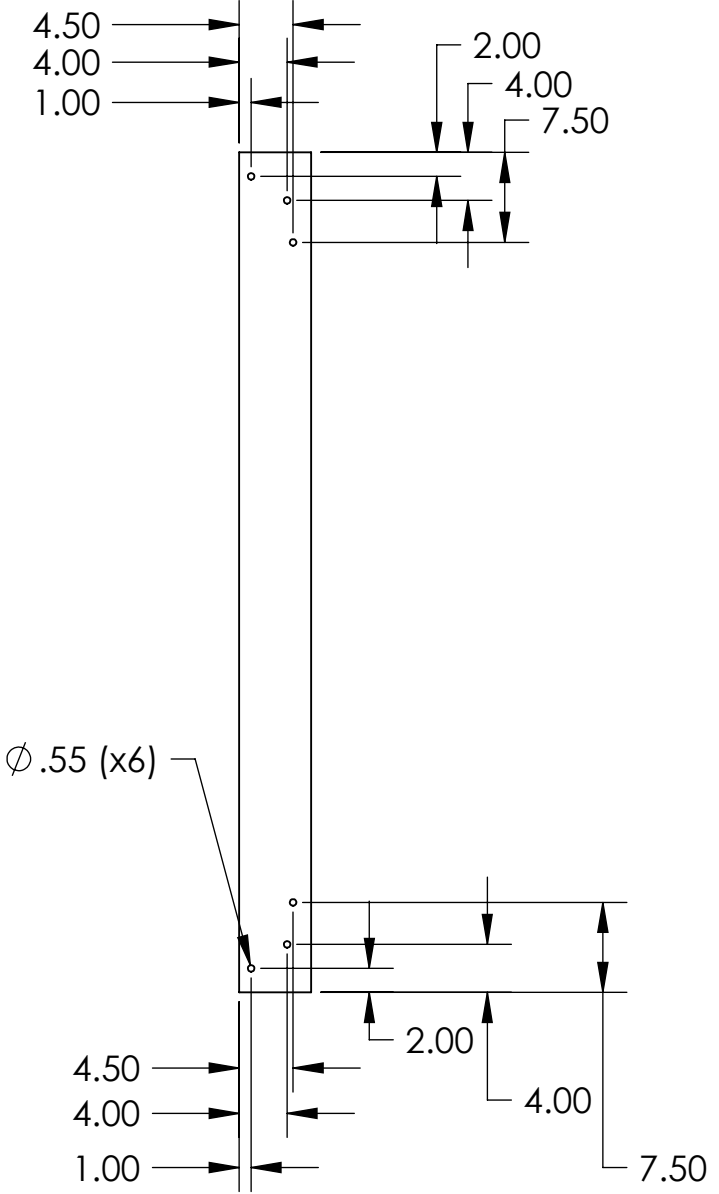
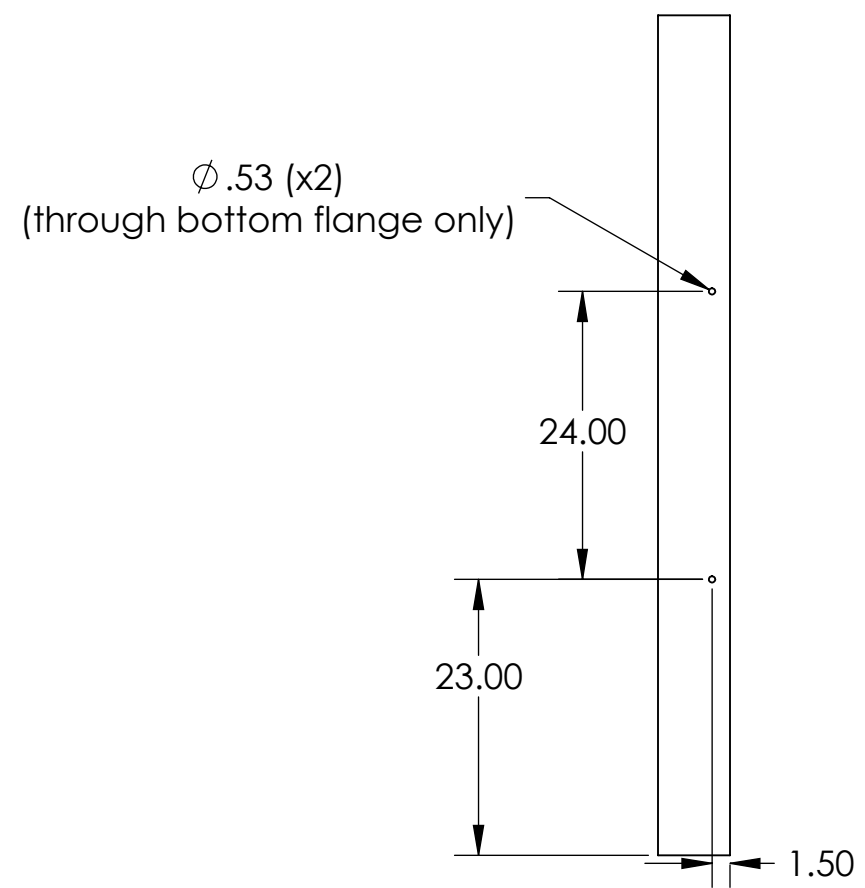
D1002674 base plate, PART PDM REV: A, DRAWING PDM REV:

8 7 6 5 4 3 2 1

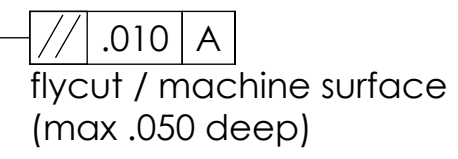
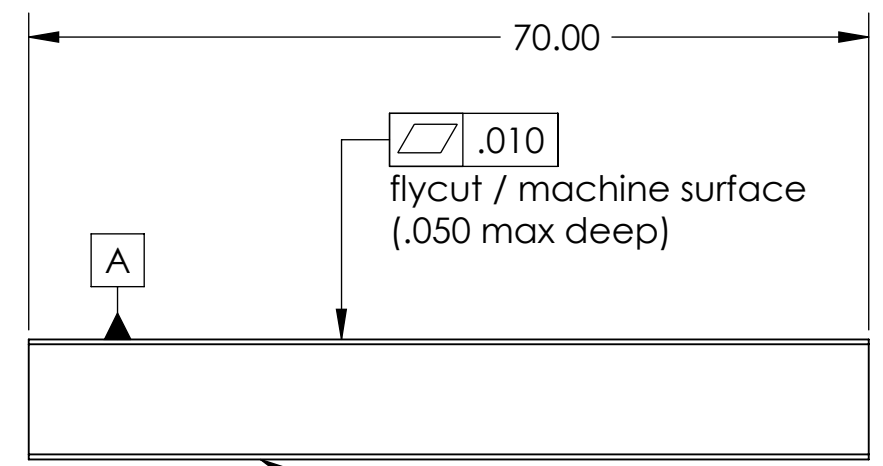
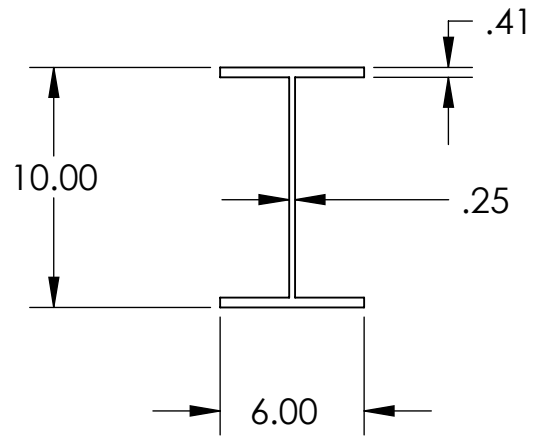
NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				LIGO		CALIFORNIA INSTITUTE OF TECHNOLOGY		MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME		
DIMENSIONS ARE IN inches TOLERANCES: .XX \pm .01 .XXX \pm .004 ANGULAR \pm °				1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES AND BURRS. 3. DO NOT SCALE FROM DRAWING. 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.		SYSTEM		SUB-SYSTEM		DESIGNER Foley 12/15/2010		SIZE DWG. NO.
										MATERIAL 6061 Alloy		FINISH - μ inch
										SCALE: 1:24 PROJECTION:		
										SHEET 1 OF 1		

NOTES CONTINUED:
 4. PURCHASE STANDARD ALUMINUM I BEAM QQA 200/16
 ASTM B30B AMS 4113 OR EQUIVALENT

REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-



bottom view



NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

DIMENSIONS ARE IN INCHES

TOLERANCES:
 .XX $\pm .050$
 .XXX \pm
 ANGULAR \pm *

1. INTERPRET DRAWING PER ASME Y14.5-1994.
 2. REMOVE ALL SHARP EDGES AND BURRS
 3. DO NOT SCALE FROM DRAWING.

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
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PART NAME
SUPPORT I BEAM

MATERIAL ALUMINUM 6061-T6 FINISH - μ inch

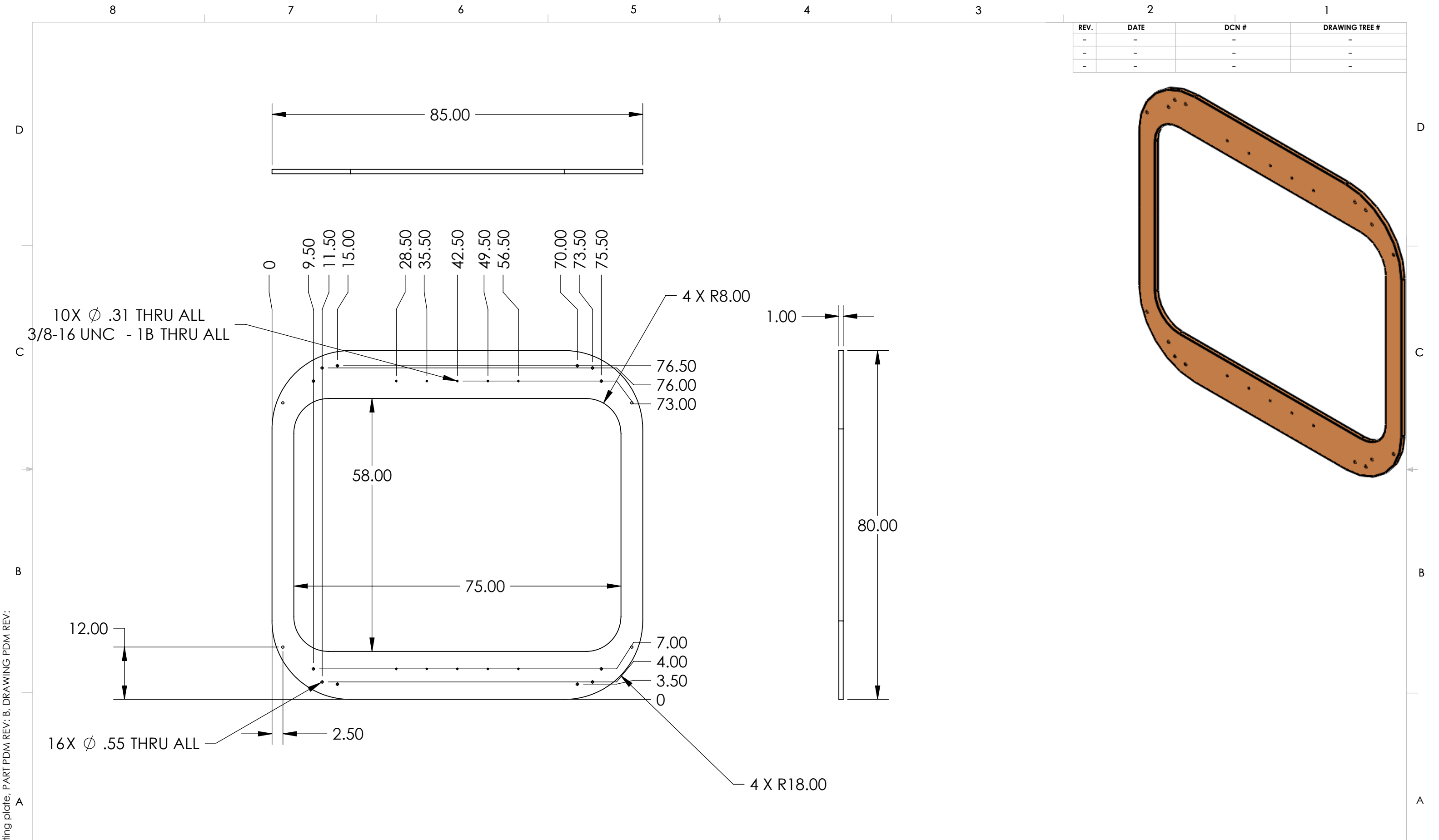
SYSTEM SUB-SYSTEM
 NEXT ASSY D1002682

DESIGNER FOLEY 12/14/2010
 DRAFTER
 CHECKER
 APPROVAL

SIZE DWG. NO. **B D1002680** REV. **V1**
 SCALE: 1:16 PROJECTION: SHEET 1 OF 1

D1002680- support I-beam, PART PDM REV: A, DRAWING PDM REV:

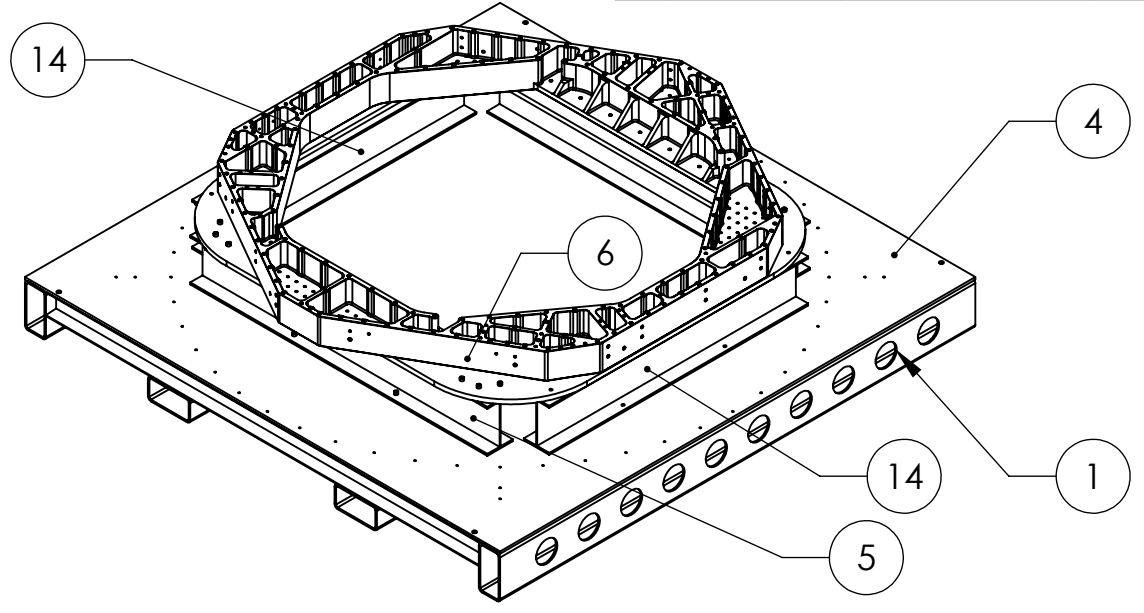
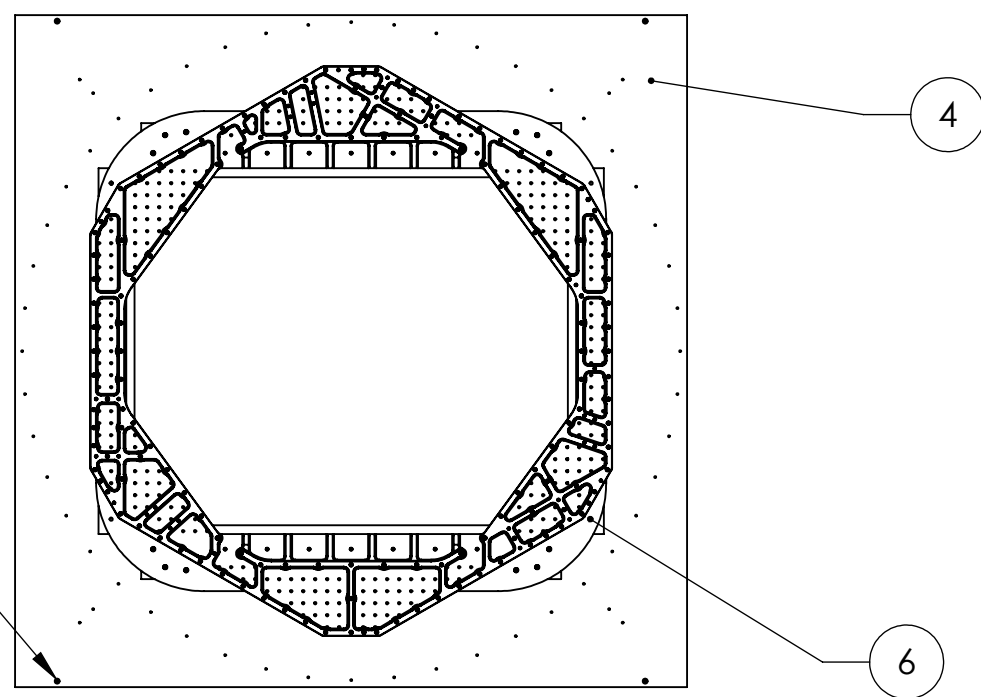
REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-



D1002681 - mounting plate, PART PDM REV: B, DRAWING PDM REV:

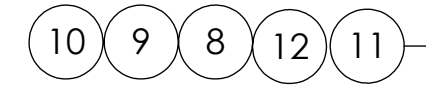
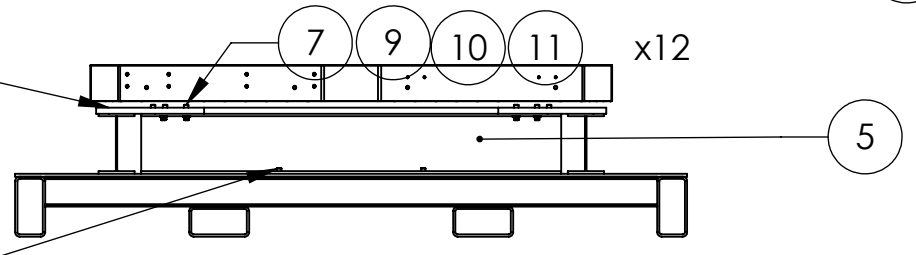
NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				LIGO		CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME	
DIMENSIONS ARE IN INCHES				SYSTEM		SUB-SYSTEM		BASE MOUNTING PLATE	
TOLERANCES: .XX ± .01 .XXX ± .004 ANGULAR ± °				1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES AND BURRS. 3. DO NOT SCALE FROM DRAWING. 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.		DESIGNER Foley 12/15/2010		SIZE DWG. NO.	
MATERIAL 6061 Alloy				FINISH NONEinch		NEXT ASSY D1002682		B D1002681	
						APPROVAL		SCALE: 1:16 PROJECTION: SHEET 1 OF 1	

REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-

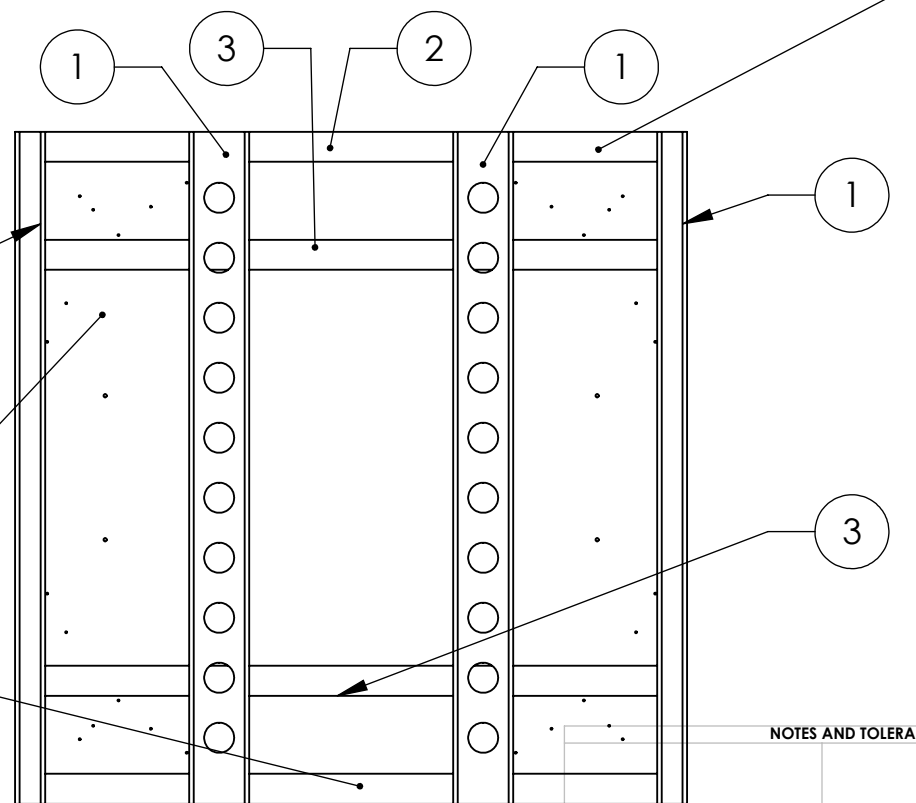


MOUNTING HARDWARE
INSERTED AT FINAL ASSY

MACHINE TOP SURFACE OF ITEM 6
TO FLATNESS OF .010".
MACHINE SURFACE WITH ITEMS 5
AND 6 ASSEMBLED.



ITEM 8 LOCATED BETWEEN IBEAM
AND BASEPLATE AROUND SHCS



ALIGN ITEMS 2 AND 3 WITH
ITEM 4 MOUNTING HOLES

WELD ALL STRUCTURAL STEEL I BEAMS AND TUBES AT ALL INTERFACES.
INNER I BEAMS, ITEM 3, CARRIES OVER 7000 LBS.
PAINT STEEL WELDMENT.

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ	SPARE	TOTAL
14	D1003360	short support i beam	6061-T6 Al	2		2
13	D0900894	Stage 0 Bottom, aLIGO BSC ISI	6061-T6 Al	1		1
12	SHCS	1/2-13 x 1.25	18-8	4		4
11	hex nut	1/2-13	18-8	16		16
10	locking washer	1/2"	18-8	16		16
9	flat washer	1/2"	18-8	16		16
8	mcmaster 9464K66	O RING VITON 1/8 ROUND ID.484 OD 3/4	-	4		4
7	SHCS	1/2-13 x 2	18-8	12		12
6	D1002681	BASE MOUNTING PLATE	6061 Alloy	1		1
5	D1002680	support ibeam	Material <not specified>	2		2
4	D1002674	BASE PLATE	6061 Alloy	1		1
3	D1002673	base ibeam B	Plain Carbon Steel	2		2
2	D1002672	base ibeam A	Plain Carbon Steel	2		2
1	D1002671	rectangular beam	Plain Carbon Steel	4		4

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

PART NAME: **BASE ASSEMBLY**

SYSTEM: [] SUB-SYSTEM: [] DESIGNER: FOLEY DRAFTER: 12/15/2010 CHECKER: [] APPROVAL: []

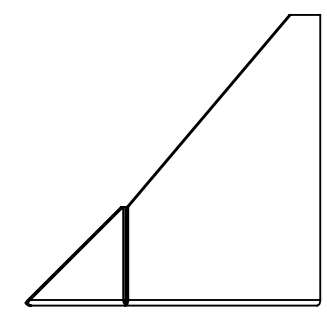
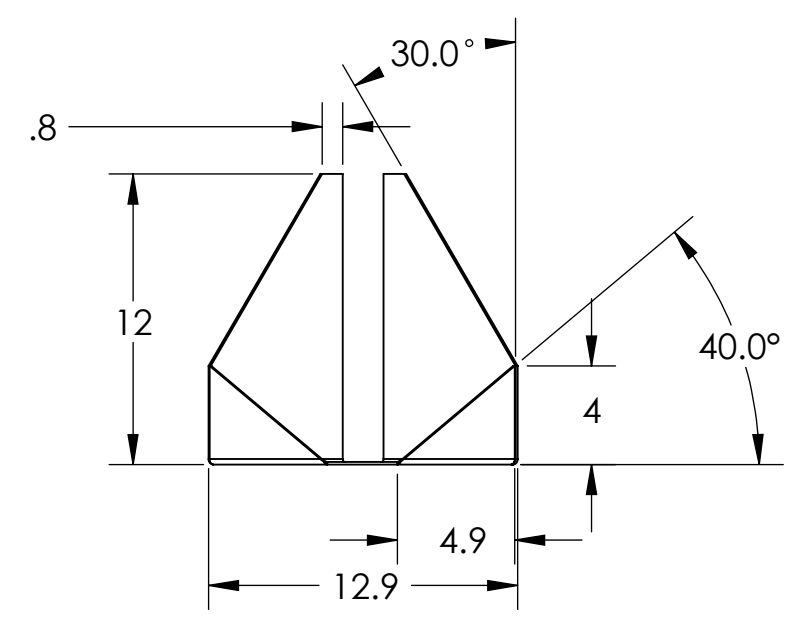
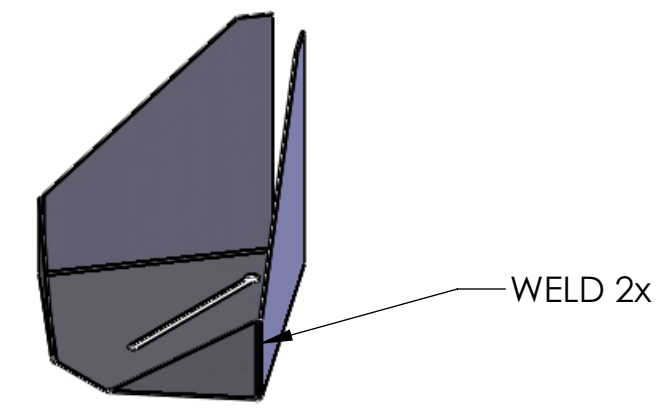
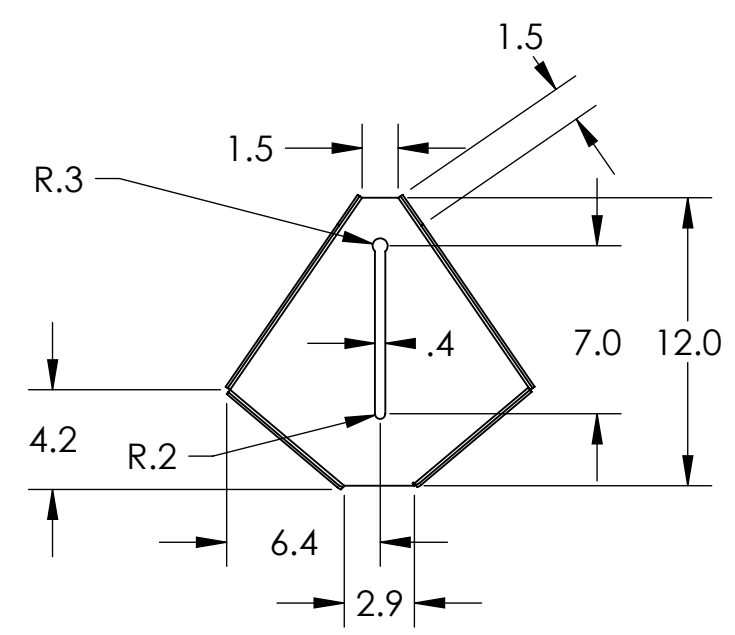
MATERIAL: SEE BOM FINISH: - μinch NEXT ASSY: D1002663

SIZE: B DWG. NO.: **D1002682** REV.: v1

SCALE: 1:24 PROJECTION: [] SHEET 1 OF 1

D1002682- base assembly, PART PDM REV: A, DRAWING PDM REV:

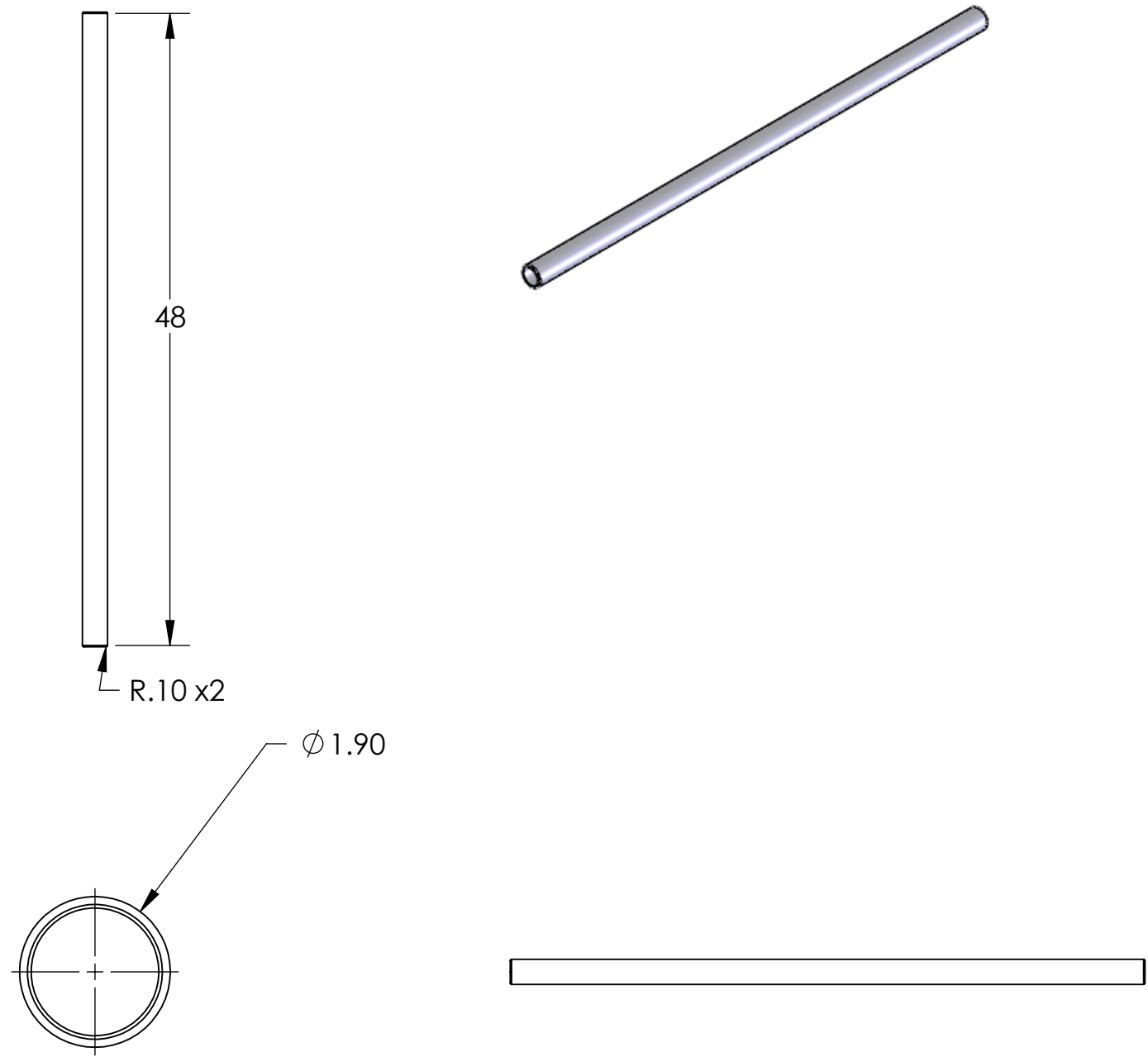
REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-



D1002683- guide stand base, PART PDM REV: A, DRAWING PDM REV:

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME	
DIMENSIONS ARE IN inches				SYSTEM		SUB-SYSTEM	
TOLERANCES: .XX ± .XXX ±				NEXT ASSY		DESIGNER	
ANGULAR ± °				D1002685		FOLEY	
1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES AND BURRS 3. DO NOT SCALE FROM DRAWING.				FINISH		12/15/2010	
12 GAUGE STEEL PAINT AFTER FAB μinch				D1002685		SIZE DWG. NO.	
						B D1002683	
						REV. v1	
						SCALE: 1:8 PROJECTION: SHEET 1 OF 1	

REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-



D1002684-guide post, PART PDM REV: A, DRAWING PDM REV:

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME					
DIMENSIONS ARE IN inches		1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES AND BURRS. 3. DO NOT SCALE FROM DRAWING. 4. MATERIAL: 1 1/2" DIAMETER STEEL PIPE SCHEDULE 40		SYSTEM	SUB-SYSTEM	DESIGNER	FOLEY	12/15/2010	SIZE	DWG. NO.	REV.
TOLERANCES: .XX ± .XXX ±		MATERIAL		NEXT ASSY		DRAFTER			B	D1002684	V1
ANGULAR ± °		Plain Carbon Steel: SEE NOTES		D1002685		CHECKER			SCALE: 1:12	PROJECTION:	SHEET 1 OF 1
		FINISH				APPROVAL					

8 7 6 5 4 3 2 1

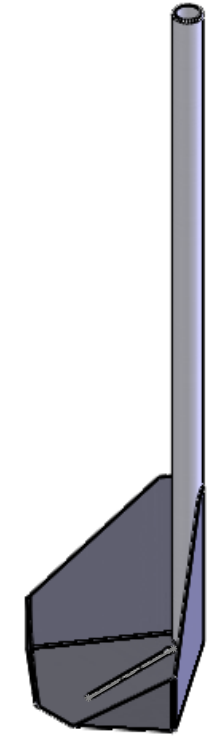
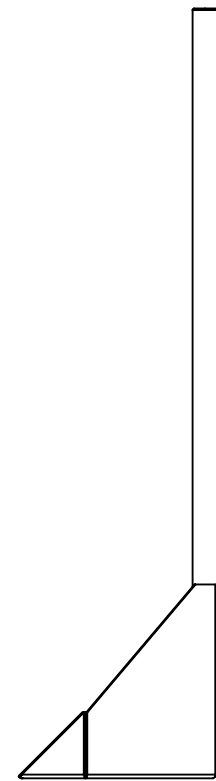
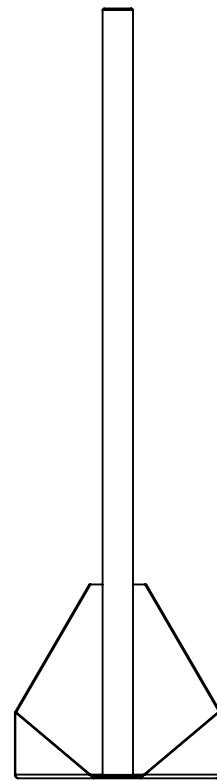
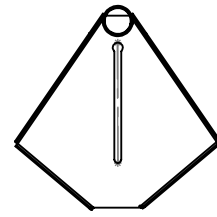
D
C
B
A

D
C
B
A

8 7 6 5 4 3 2 1

D1002685- guide post assembly, PART PDM REV: A, DRAWING PDM REV:

REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-



ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	RE Q	SPA RE	TOT AL
2	D1002684	GUIDE STAND PIPE	Plain Carbon Steel	1		1
1	D1002683	GUIDE STAND BASE	Alloy Steel	1		1

PARTS LIST

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

1. PAINT AFTER FABRICATION

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

PART NAME

GUIDE POST ASSEMBLY

SYSTEM

SUB-SYSTEM

DESIGNER

FOLEY

12/15/2010

SIZE DWG. NO.

B

D1002685

REV.

V1

MATERIAL

-

FINISH

- μinch

NEXT ASSY

D1002663

CHECKER

APPROVAL

SCALE: 1:12 PROJECTION:

SHEET 1 OF 1

8

7

6

5

4

3

2

1

D

D

C

C

B

B

A

A

8

7

6

5

4

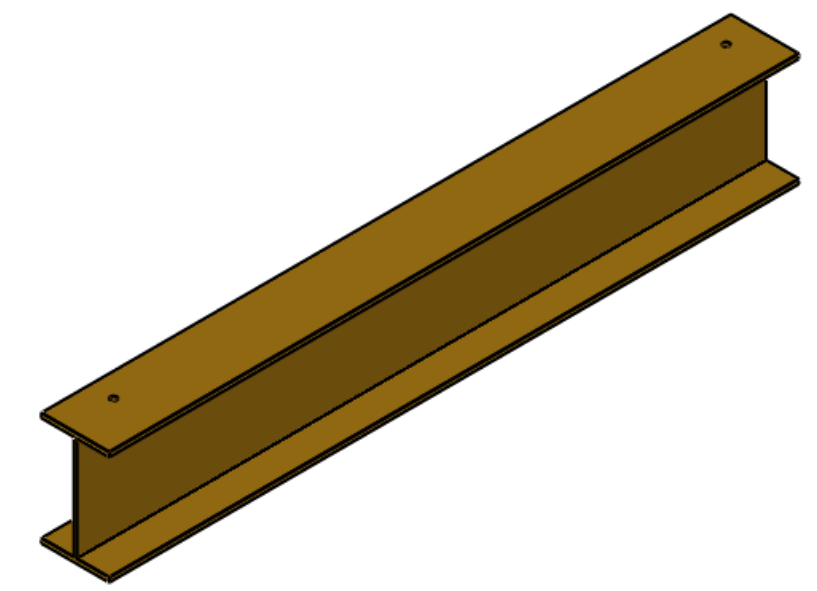
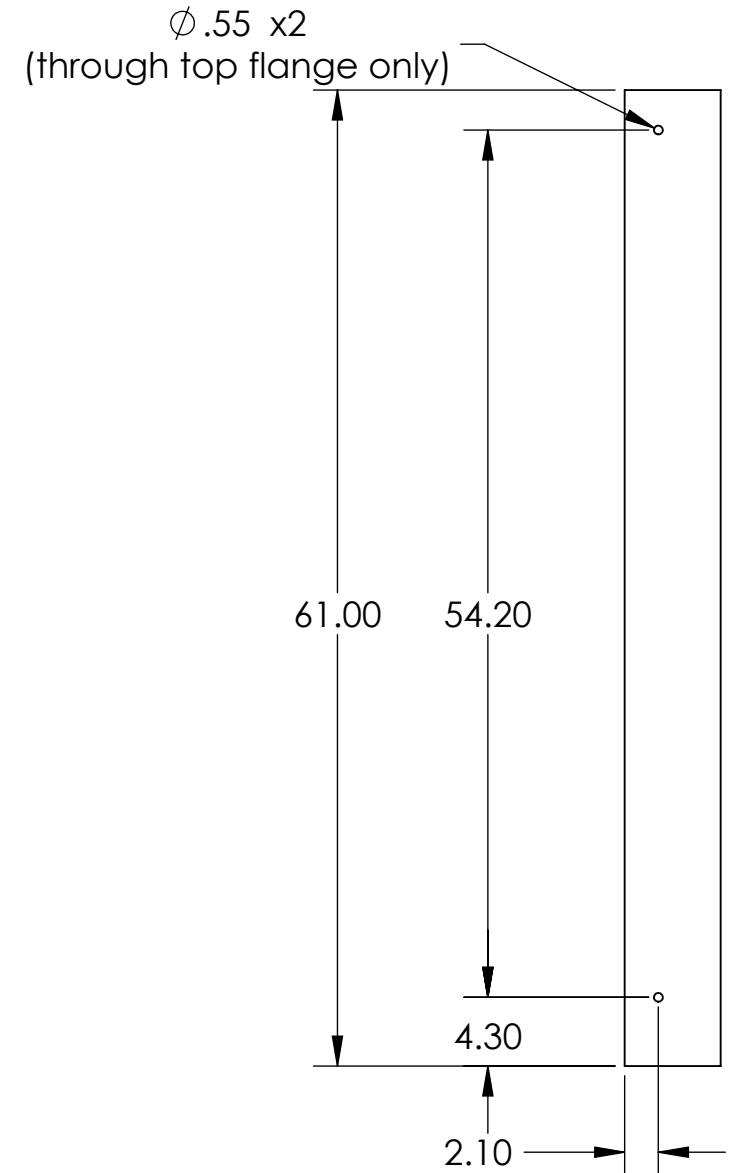
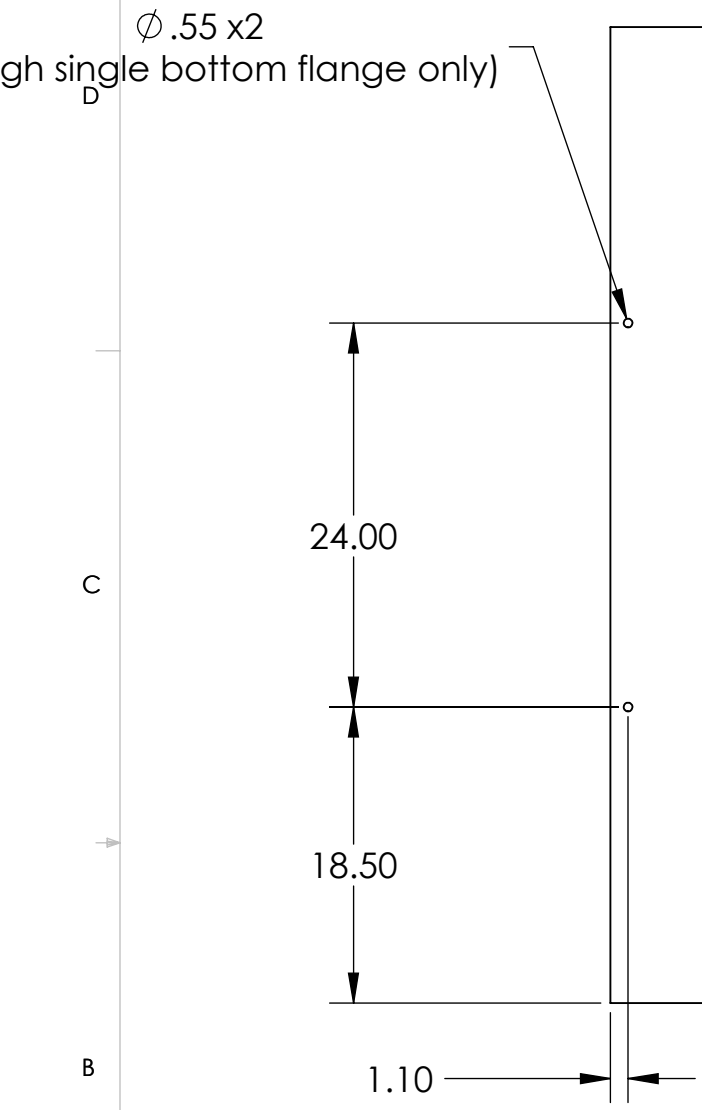
3

2

1

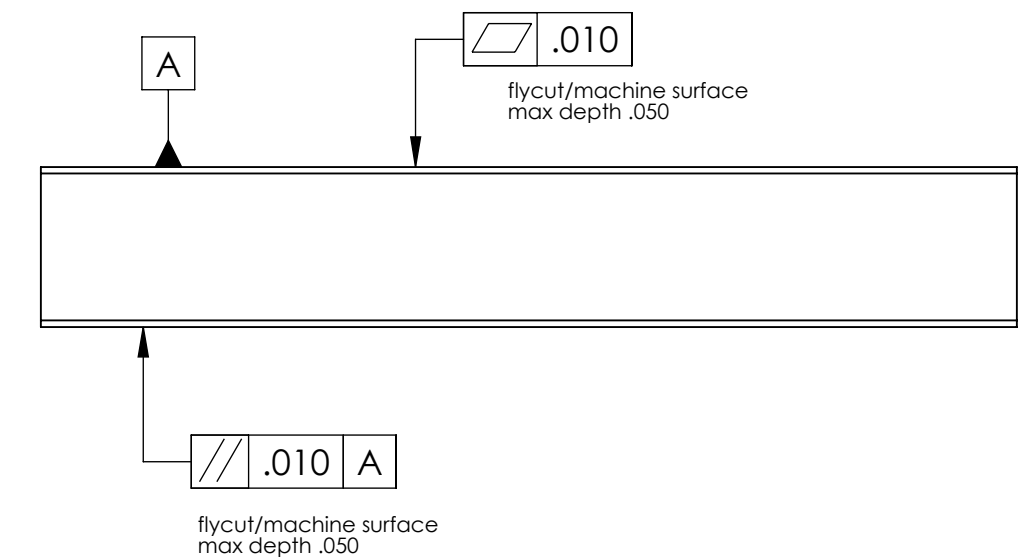
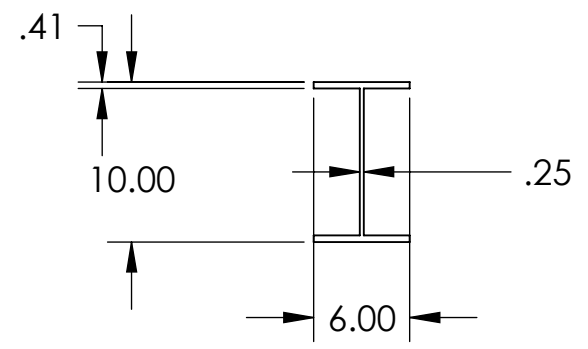
NOTES CONTINUED:
 4. PURCHASE STANDARD ALUMINUM I BEAM QQA 200/16
 ASTM B30B AMS 4113 OR EQUIVALENT

REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-



D1003360- short support i-beam, PART PDM REV: , DRAWING PDM REV:

bottom view



NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				LIGO		CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME									
DIMENSIONS ARE IN TOLERANCES: .XX ± .05 .XXX ± ANGULAR ± °				1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES AND BURRS. 3. DO NOT SCALE FROM DRAWING. 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.				SYSTEM		SUB-SYSTEM		DESIGNER	FOLEY	10/21/2010	SIZE	DWG. NO.	REV.
								MATERIAL		FINISH		NEXT ASSY		APPROVAL		CHECKER	
				6061-T6 Aluminum		μinch		D1002682				SCALE: 1:12		PROJECTION:	SHEET 1 OF 1		