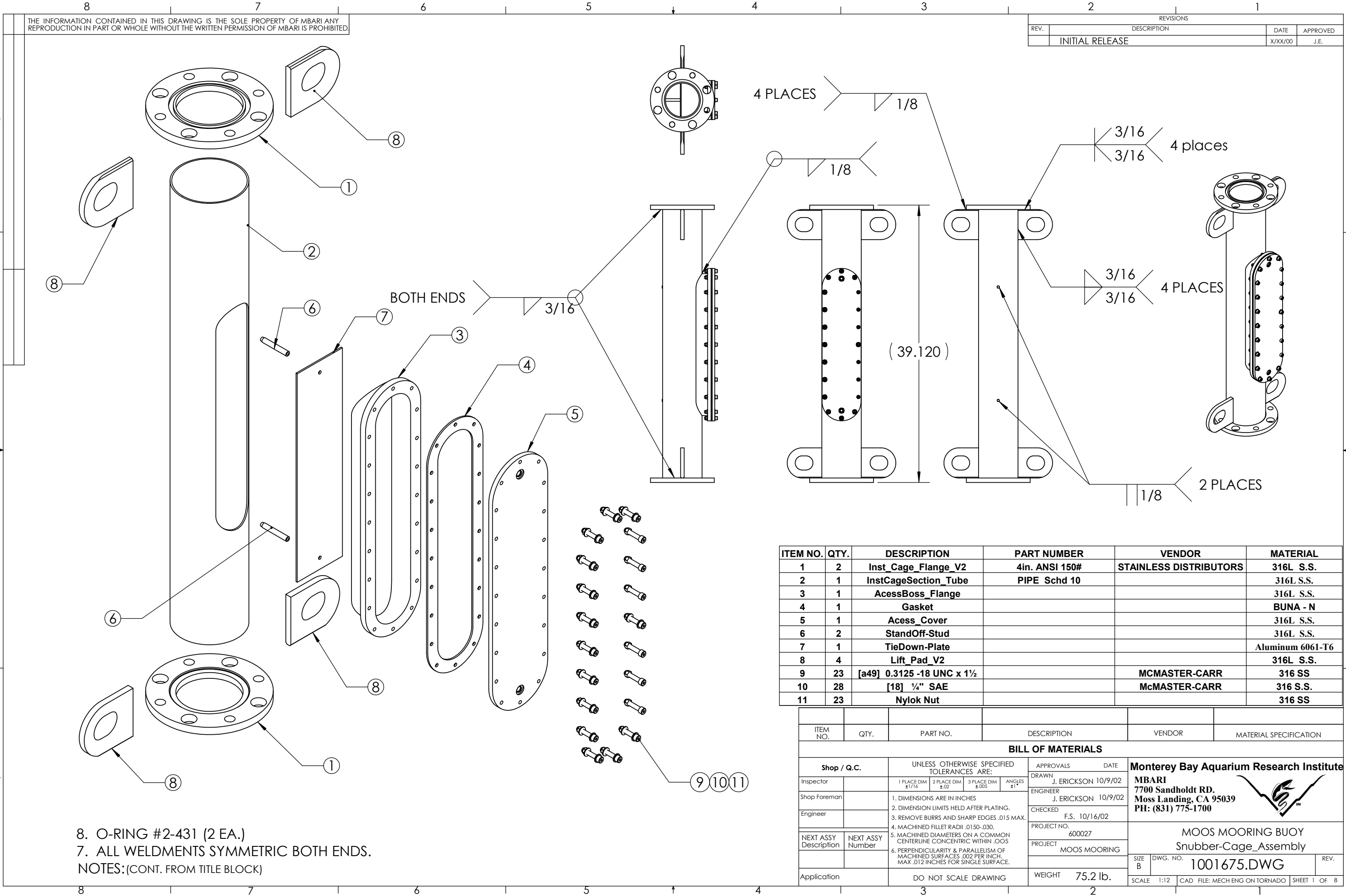




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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.

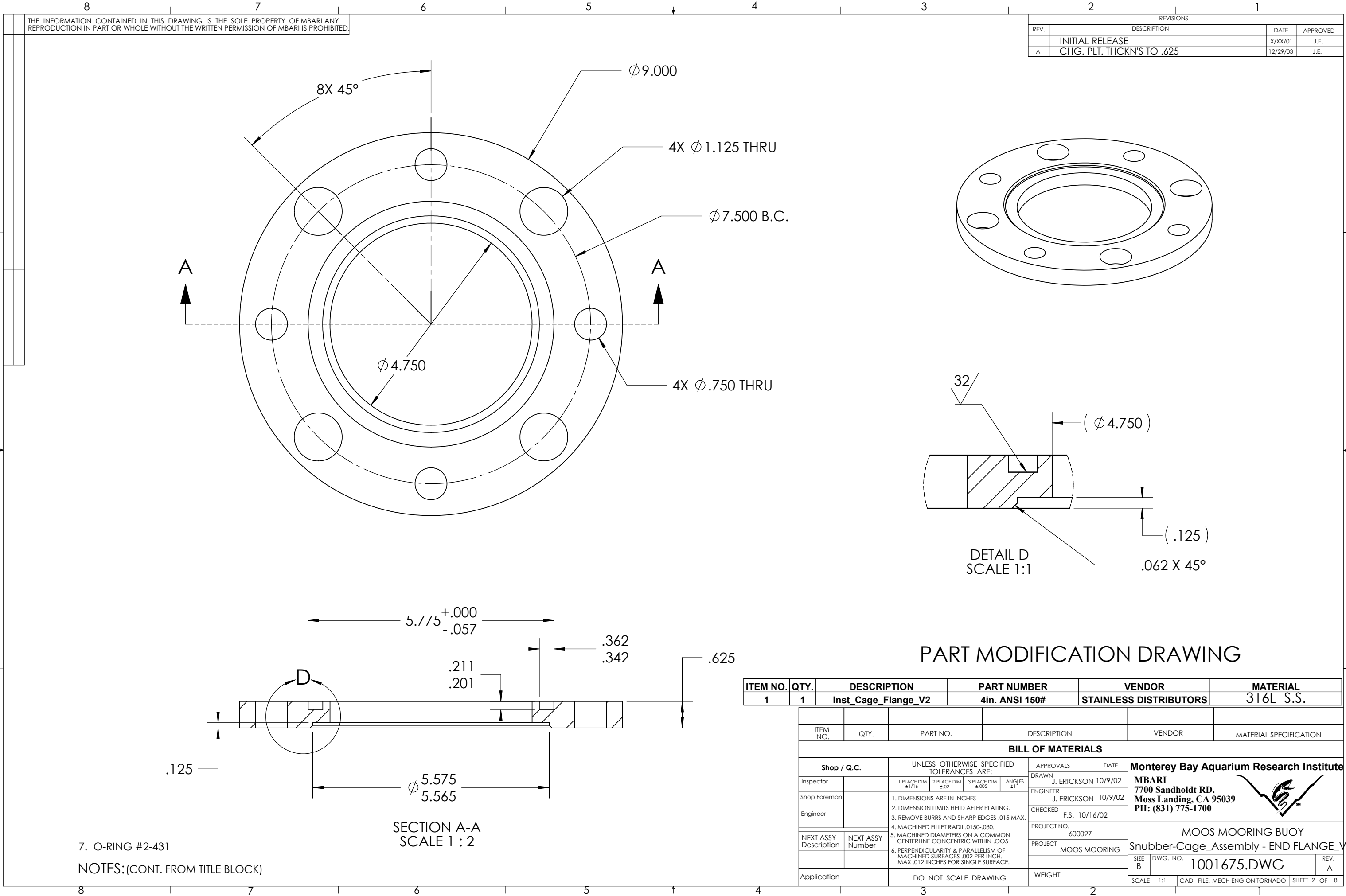
8. O-RING #2-431 (2 EA.)
7. ALL WELDMENTS SYMMETRIC BOTH ENDS.
NOTES:(CONT. FROM TITLE BLOCK)

ITEM NO.	QTY.	DESCRIPTION	PART NUMBER	VENDOR	MATERIAL
1	2	Inst_Cage_Flange_V2	4in. ANSI 150#	STAINLESS DISTRIBUTORS	316L S.S.
2	1	InstCageSection_Tube	PIPE Schd 10		316L S.S.
3	1	AcessBoss_Flange			316L S.S.
4	1	Gasket			BUNA - N
5	1	Acess_Cover			316L S.S.
6	2	StandOff-Stud			316L S.S.
7	1	TieDown-Plate			Aluminum 6061-T6
8	4	Lift_Pad_V2			316L S.S.
9	23	[a49] 0.3125 -18 UNC x 1½		MCMaster-CARR	316 SS
10	28	[18] ¼" SAE		McMaster-CARR	316 S.S.
11	23	Nylok Nut			316 SS

ITEM NO.	QTY.	PART NO.	DESCRIPTION	VENDOR	MATERIAL SPECIFICATION
BILL OF MATERIALS					
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS	DATE
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	DRAWN	J. ERICKSON 10/9/02
Shop Foreman		3 PLACE DIM ±.005	ANGLES ±1°	ENGINEER	J. ERICKSON 10/9/02
Engineer		1. DIMENSIONS ARE IN INCHES		CHECKED	F.S. 10/16/02
NEXT ASSY Description		2. DIMENSION LIMITS HELD AFTER PLATING.		PROJECT NO.	600027
NEXT ASSY Number		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		PROJECT	MOOS MOORING
Application		4. MACHINED FILLET RADII .0150-.030.		WEIGHT	75.2 lb.
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		SCALE	1:12
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.		CAD FILE:	MECH ENG ON TORNADO
				SHEET	1 OF 8

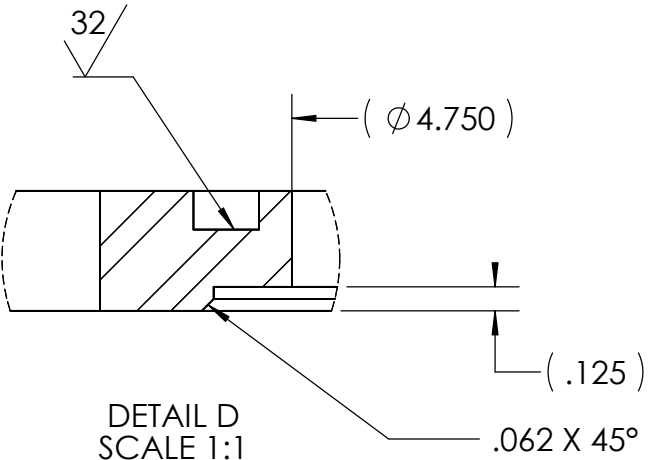
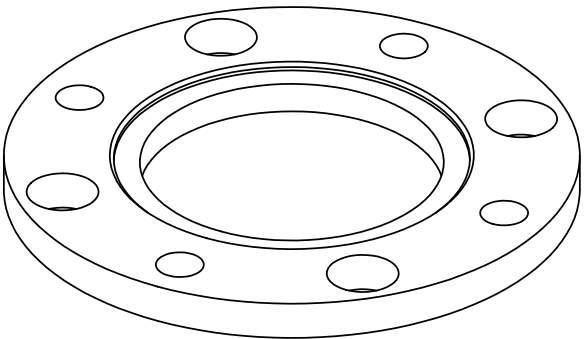
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MBARI
7700 Sandholdt RD.
Moss Landing, CA 95039
PH: (831) 775-1700

MOOS MOORING BUOY
Snubber-Cage_Assembly
1001675.DWG



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REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/01	J.E.
A	CHG. PLT. THCKN'S TO .625	12/29/03	J.E.



PART MODIFICATION DRAWING

ITEM NO.	QTY.	DESCRIPTION	PART NUMBER	VENDOR	MATERIAL
1	1	Inst_Cage_Flange_V2	4in. ANSI 150#	STAINLESS DISTRIBUTORS	316L S.S.

ITEM NO.	QTY.	PART NO.	DESCRIPTION	VENDOR	MATERIAL SPECIFICATION
BILL OF MATERIALS					
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°
Shop Foreman		1. DIMENSIONS ARE IN INCHES		DRAWN J. ERICKSON 10/9/02	
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.		ENGINEER J. ERICKSON 10/9/02	
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		CHECKED F.S. 10/16/02	
		4. MACHINED FILLET RADII .0150-.030.		PROJECT NO. 600027	
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		PROJECT MOOS MOORING	
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.		WEIGHT	
Application		DO NOT SCALE DRAWING		SCALE 1:1	
				CAD FILE: MECH ENG ON TORNADO	
				SHEET 2 OF 8	

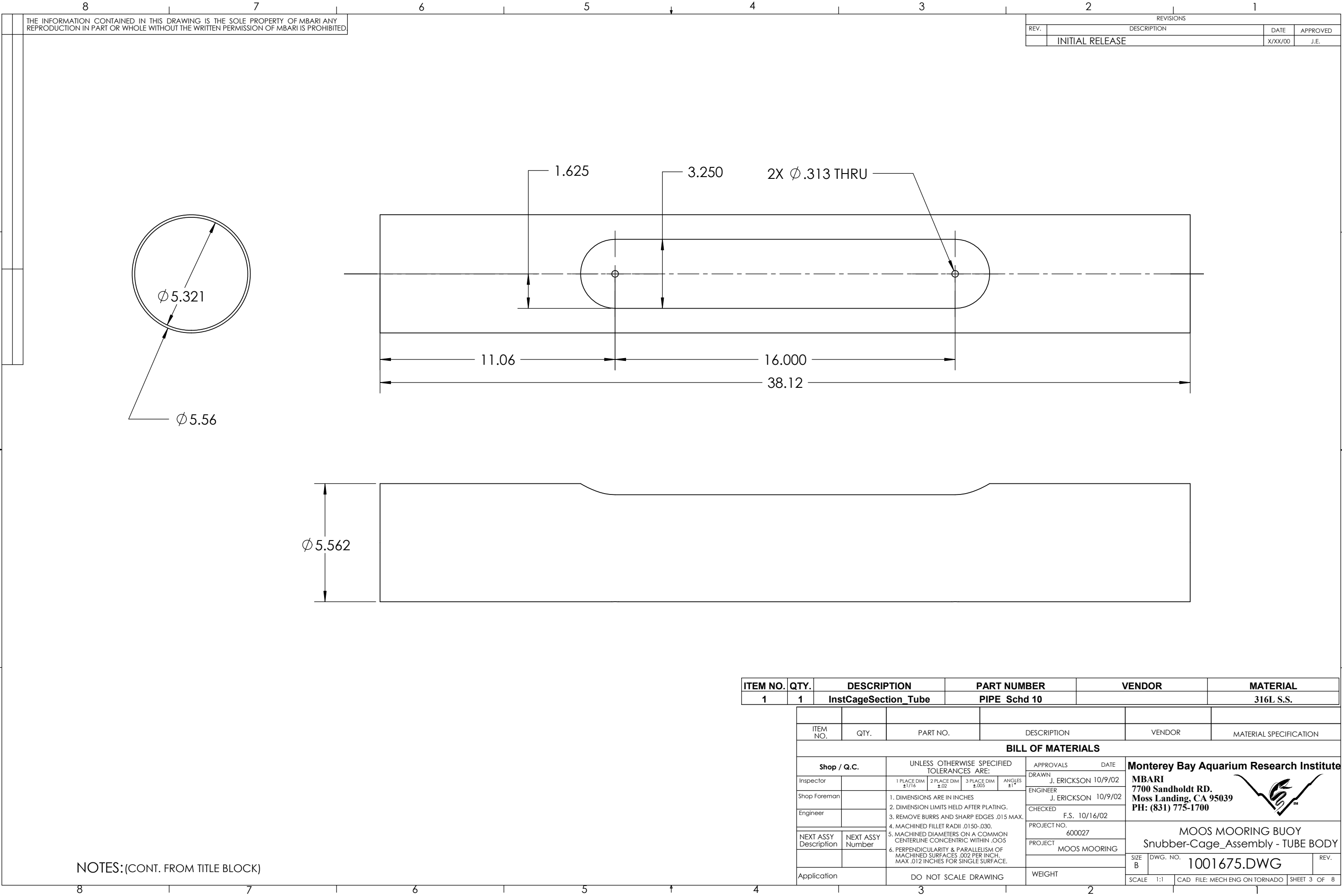
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MOOS MOORING BUOY
Snubber-Cage_Assembly - END FLANGE_V2

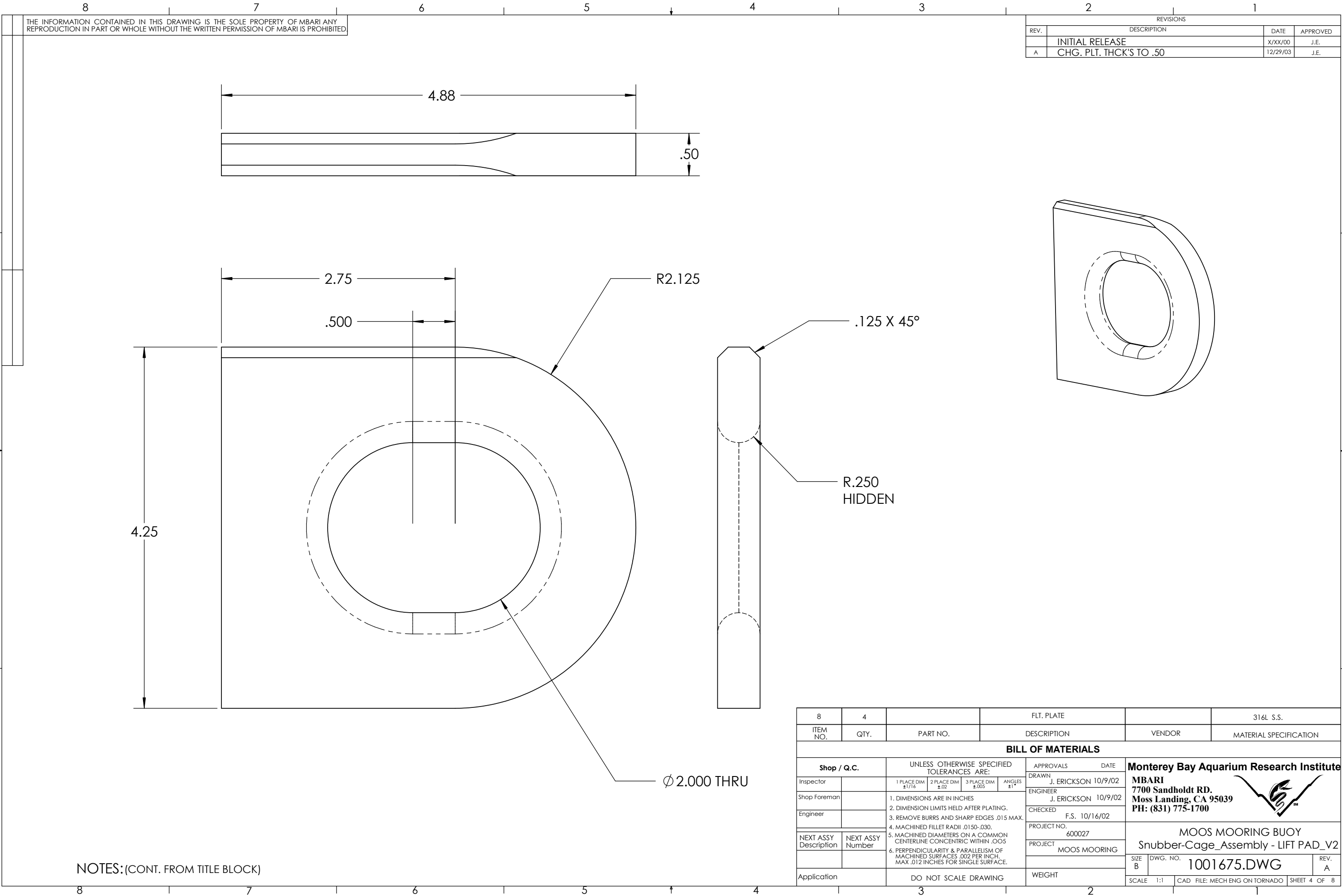
SIZE B DWG. NO. 1001675.DWG REV. A

7. O-RING #2-431

NOTES:(CONT. FROM TITLE BLOCK)

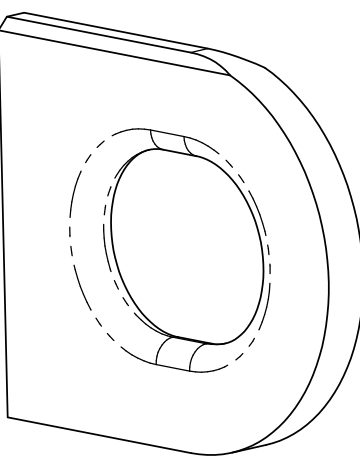
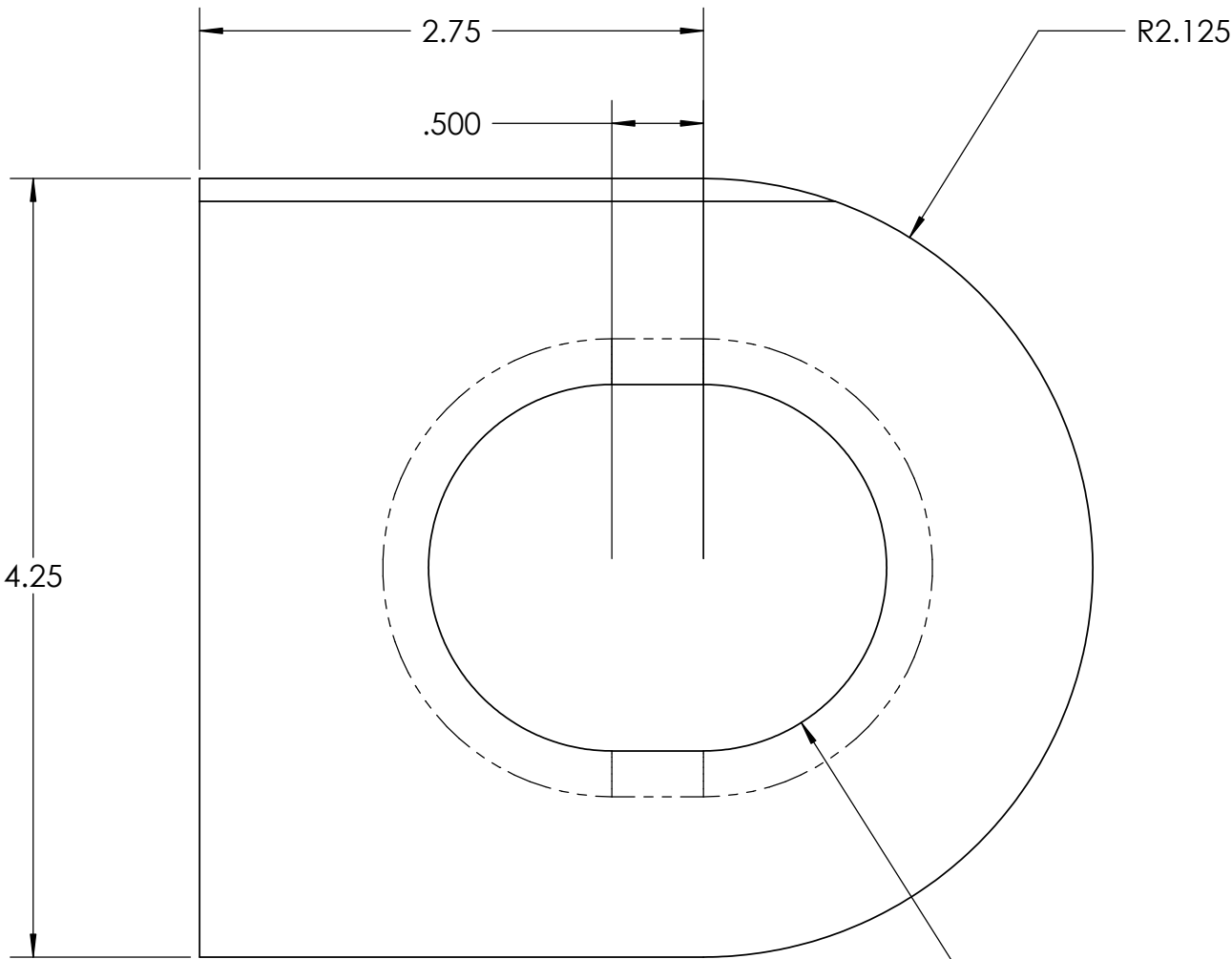
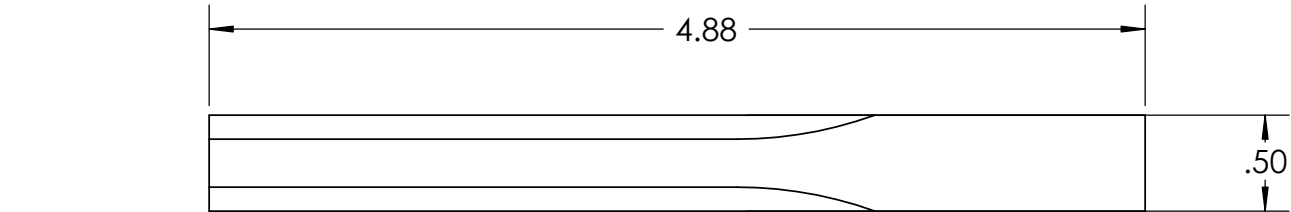


NOTES:(CONT. FROM TITLE BLOCK)



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.
A	CHG. PLT. THCK'S TO .50	12/29/03	J.E.

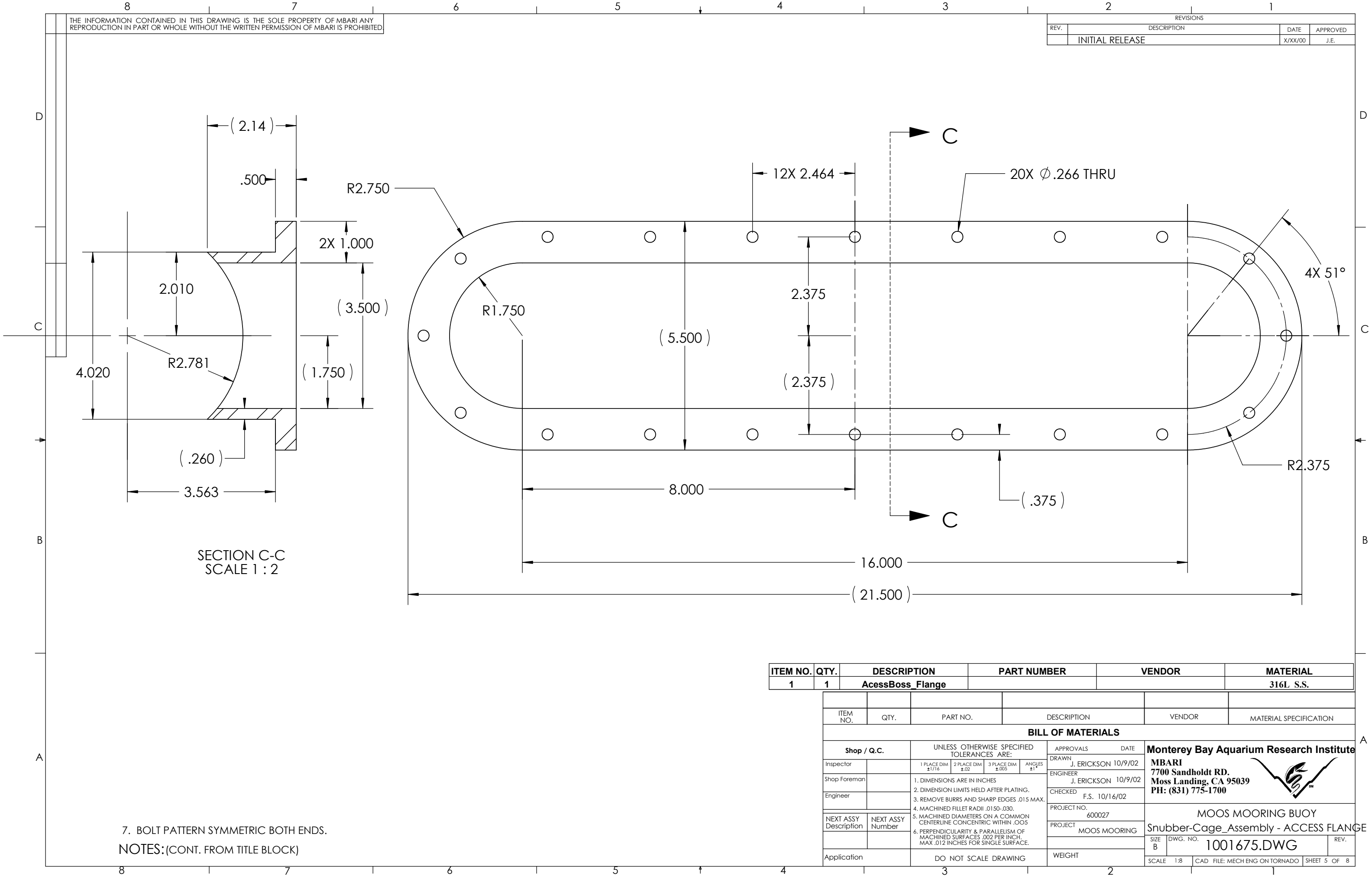


8	4		FLT. PLATE		316L S.S.
ITEM NO.	QTY.	PART NO.	DESCRIPTION	VENDOR	MATERIAL SPECIFICATION
BILL OF MATERIALS					
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°
Shop Foreman		1. DIMENSIONS ARE IN INCHES		DRAWN J. ERICKSON 10/9/02	
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.		ENGINEER J. ERICKSON 10/9/02	
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		CHECKED F.S. 10/16/02	
		4. MACHINED FILLET RADII .0150-.030.		PROJECT NO. 600027	
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		PROJECT MOOS MOORING	
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.			
Application		DO NOT SCALE DRAWING		WEIGHT	
				SIZE B	DWG. NO. 1001675.DWG
				SCALE 1:1	REV. A
				CAD FILE: MECH ENG ON TORNADO	SHEET 4 OF 8

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NOTES:(CONT. FROM TITLE BLOCK)

MOOS MOORING BUOY
Snubber-Cage_Assembly - LIFT PAD_V2



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.

SECTION C-C
SCALE 1 : 2

7. BOLT PATTERN SYMMETRIC BOTH ENDS.
NOTES:(CONT. FROM TITLE BLOCK)

ITEM NO.	QTY.	DESCRIPTION	PART NUMBER	VENDOR	MATERIAL
1	1	AcessBoss Flange			316L S.S.

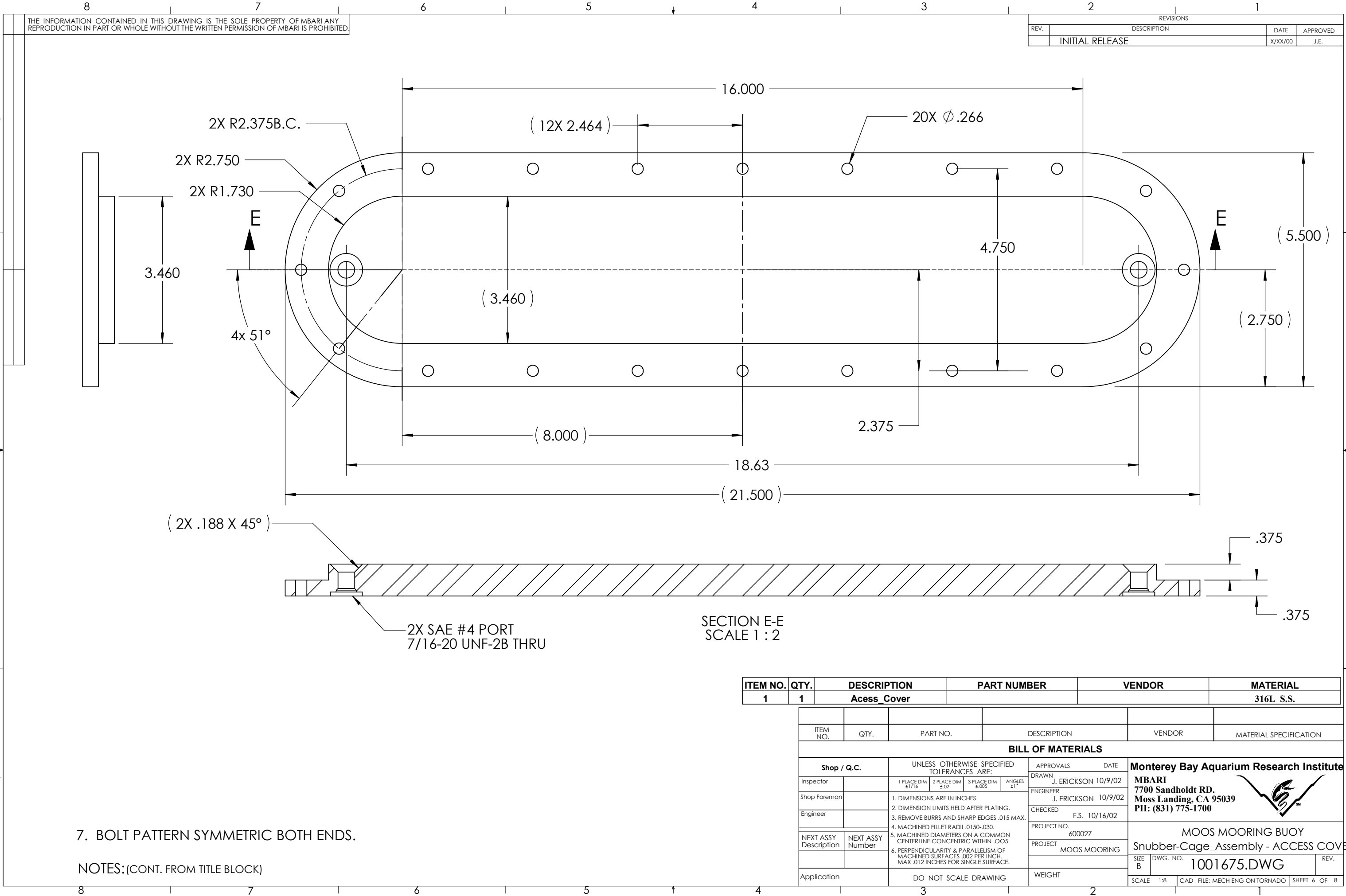
ITEM NO.	QTY.	PART NO.	DESCRIPTION	VENDOR	MATERIAL SPECIFICATION
BILL OF MATERIALS					
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS	DATE
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	DRAWN J. ERICKSON	10/9/02
Shop Foreman		3 PLACE DIM ±.005	ANGLES ±1°	ENGINEER J. ERICKSON	10/9/02
Engineer		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.		CHECKED F.S.	10/16/02
NEXT ASSY Description	NEXT ASSY Number	PROJECT NO. 600027		PROJECT MOOS MOORING	
Application		DO NOT SCALE DRAWING		WEIGHT	
				SCALE 1:8	CAD FILE: MECH ENG ON TORNADO
				SHEET 5 OF 8	

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MOOS MOORING BUOY
Snubber-Cage_Assembly - ACCESS FLANGE

SIZE
B
DWG. NO.
1001675.DWG
REV.



ITEM NO.	QTY.	DESCRIPTION	PART NUMBER	VENDOR	MATERIAL
1	1	Acess_Cover			316L S.S.

ITEM NO.	QTY.	PART NO.	DESCRIPTION	VENDOR	MATERIAL SPECIFICATION
BILL OF MATERIALS					
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS	DATE
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	DRAWN	J. ERICKSON 10/9/02
Shop Foreman		3 PLACE DIM ±.005	ANGLES ±1°	ENGINEER	J. ERICKSON 10/9/02
Engineer		1. DIMENSIONS ARE IN INCHES		CHECKED	F.S. 10/16/02
NEXT ASSY Description		2. DIMENSION LIMITS HELD AFTER PLATING.		PROJECT NO.	600027
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		PROJECT	MOOS MOORING
		4. MACHINED FILLET RADII .0150-.030.		WEIGHT	
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		SCALE	1:8
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.		CAD FILE:	MECH ENG ON TORNADO
Application		DO NOT SCALE DRAWING		SHEET	6 OF 8

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MOOS MOORING BUOY
Snubber-Cage_Assembly - ACCESS COVER

SIZE B DWG. NO. 1001675.DWG REV.

