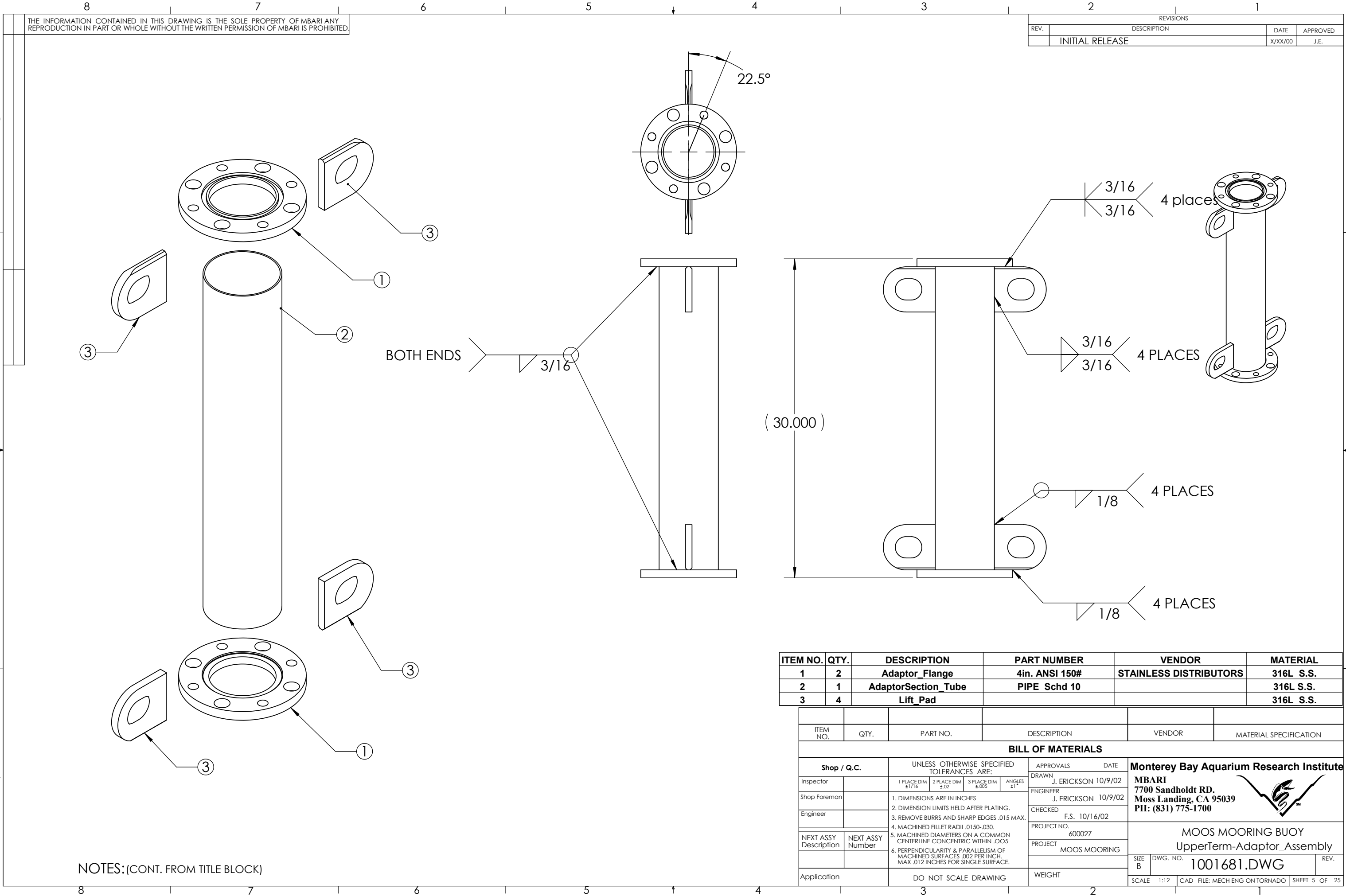




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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.

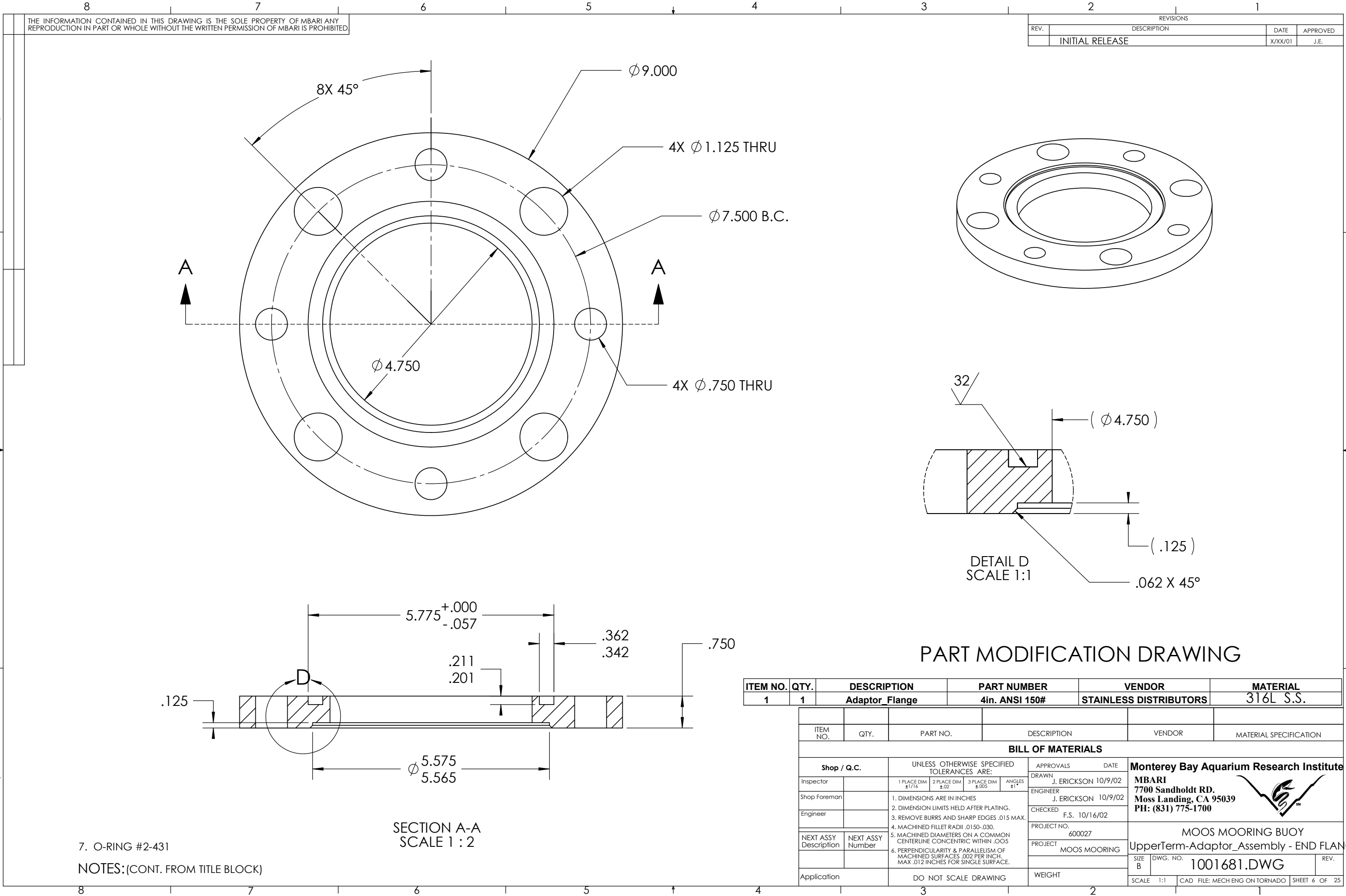
ITEM NO.	QTY.	DESCRIPTION	PART NUMBER	VENDOR	MATERIAL
1	2	Adaptor_Flange	4in. ANSI 150#	STAINLESS DISTRIBUTORS	316L S.S.
2	1	AdaptorSection_Tube	PIPE Schd 10		316L S.S.
3	4	Lift_Pad			316L S.S.

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. 1001681.DWG
				SCALE 1:12	CAD FILE: MECH ENG ON TORNADO SHEET 5 OF 25

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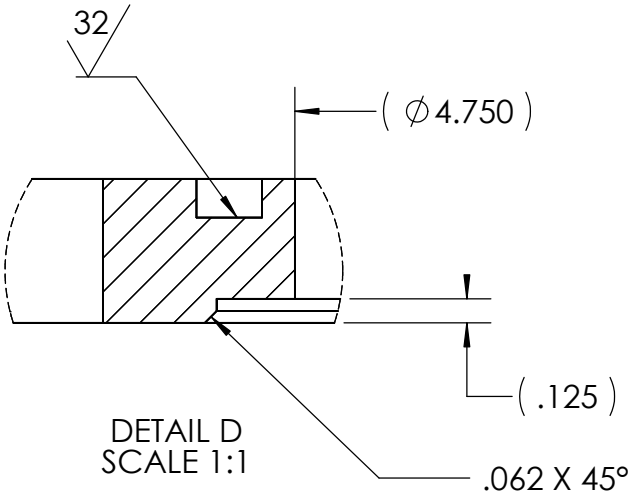
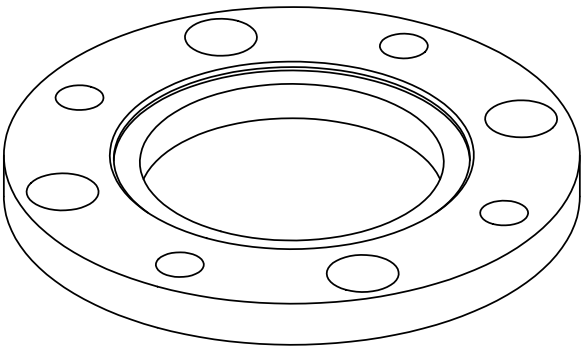
MOOS MOORING BUOY
UpperTerm-Adaptor_Assembly

REV.



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PART MODIFICATION DRAWING

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

ITEM NO.	QTY.	PART NO.	DESCRIPTION	VENDOR	MATERIAL SPECIFICATION
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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	

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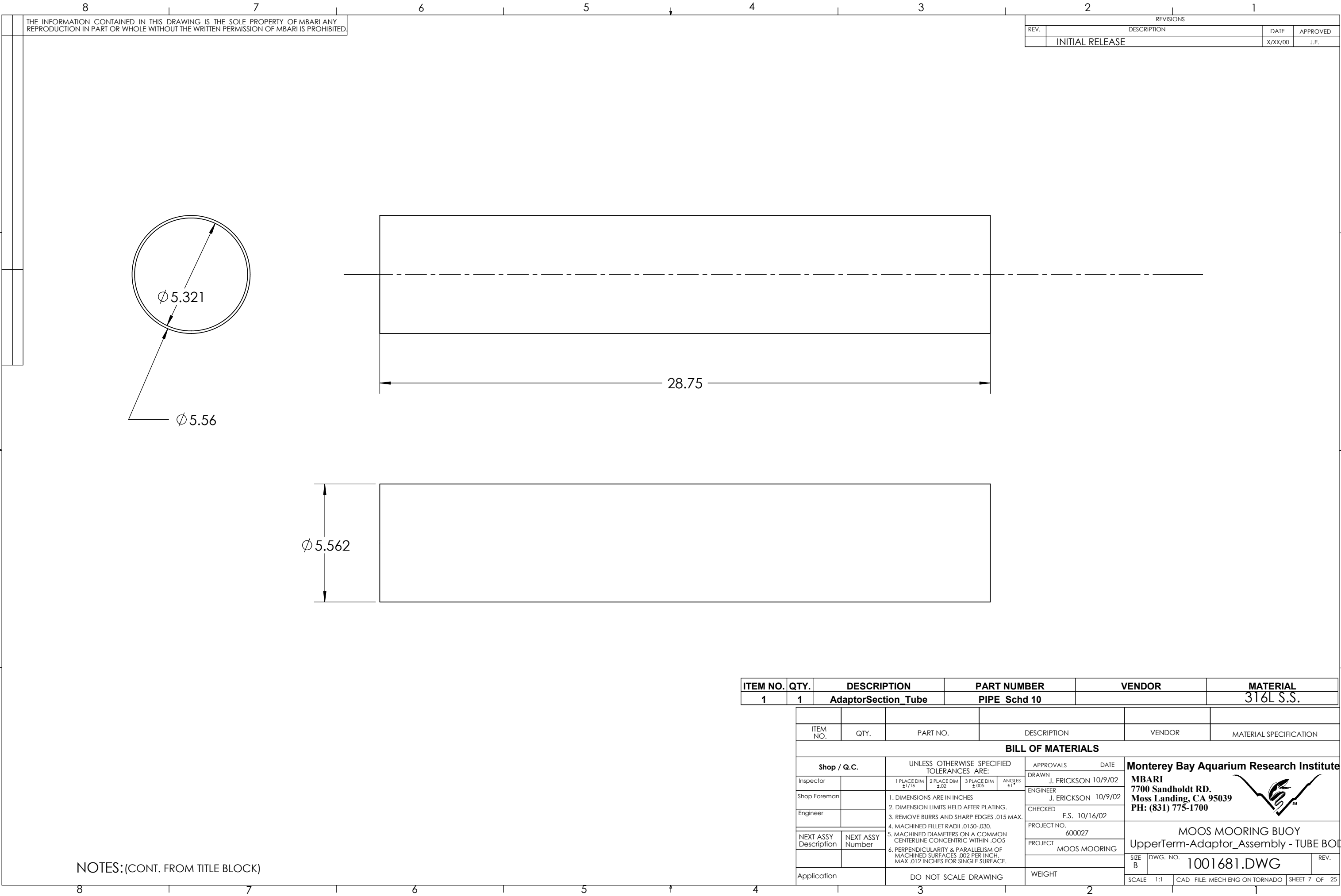
MOOS MOORING BUOY
UpperTerm-Adaptor_Assembly - END FLANGE

SIZE B DWG. NO. 1001681.DWG REV.

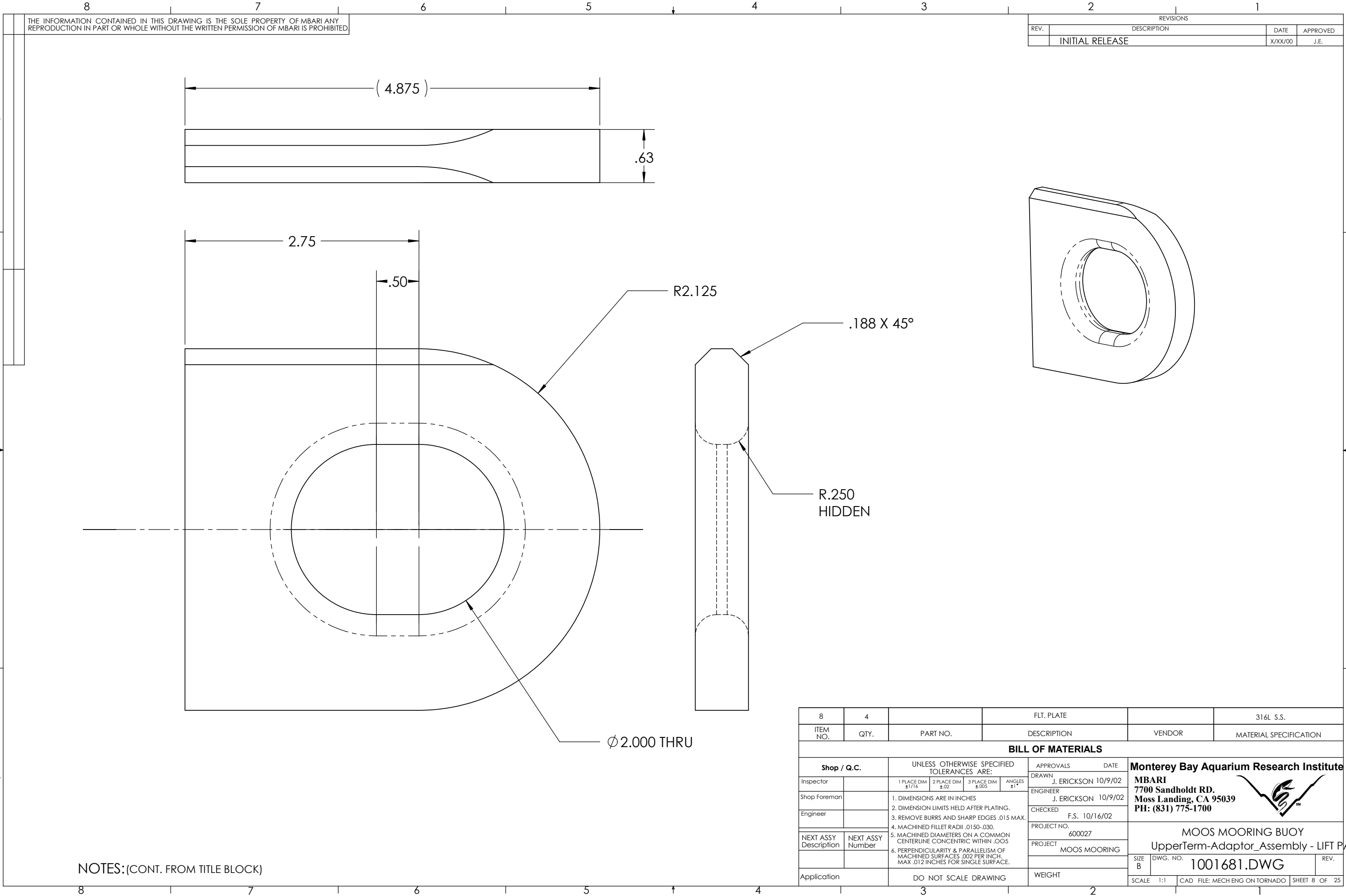
CAD FILE: MECH ENG ON TORNADO SHEET 6 OF 25

7. O-RING #2-431

NOTES:(CONT. FROM TITLE BLOCK)

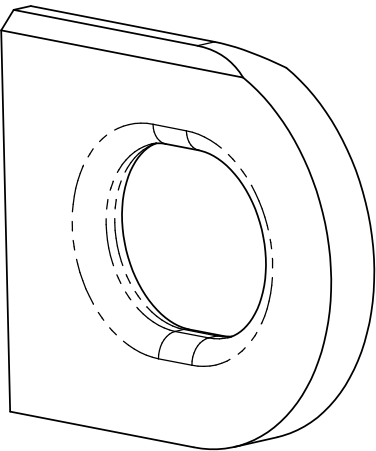


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	INITIAL RELEASE	X/XX/00	J.E.



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	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
		2. DIMENSION LIMITS HELD AFTER PLATING.		PROJECT NO.	600027
NEXT ASSY Description	NEXT ASSY Number	3. REMOVE BURRS AND SHARP EDGES .015 MAX.		PROJECT	MOOS MOORING
		4. MACHINED FILLET RADII .0150-.030.			
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		WEIGHT	
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.			
Application		DO NOT SCALE DRAWING		SCALE	1:1

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MOOS MOORING BUOY		
UpperTerm-Adaptor_Assembly - LIFT PAD		
SIZE B	DWG. NO. 1001681.DWG	REV.
SCALE 1:1	CAD FILE: MECH ENG ON TORNADO	SHEET 8 OF 25

NOTES:(CONT. FROM TITLE BLOCK)