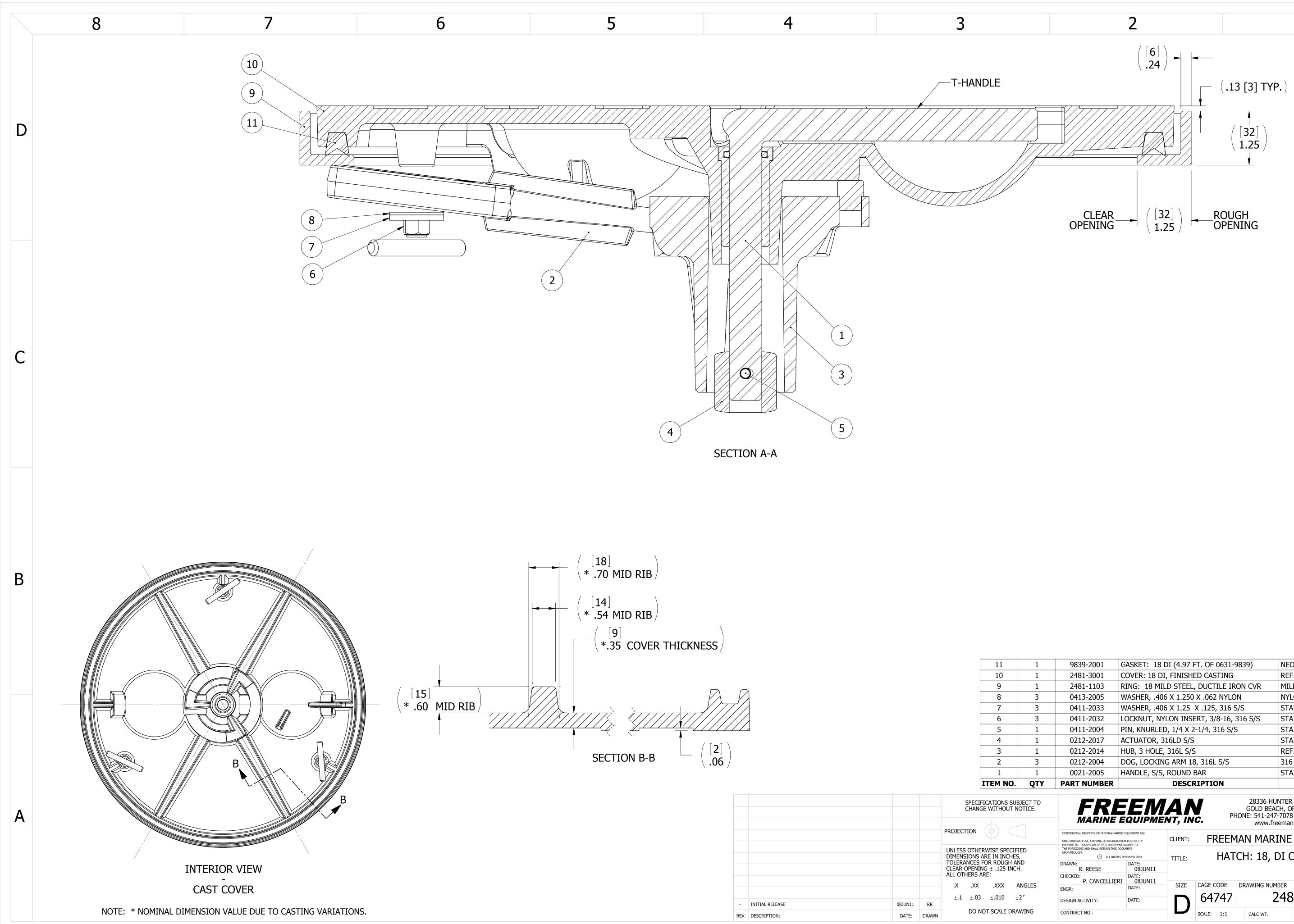


					SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.		
					PROJECTION		
CUSTOMER APPROVAL					UNLESS OTHERWISE SPECIFIED		
Signature:					DIMENSIONS ARE IN INCHES, TOLERANCES FOR ROUGH AND		
Date:					Clear Opening ± .125 Inch. All others are:		
IMPORTANT! THIS DRAWING SUPERSEDES ALL OTHER DOCUMENTS.					.X .XX .XXX ANGLES		
By signing this approval you accept and agree that the dimensions and details shown are correct and properly fit your application, regardless of any differences between this drawing and any contract specifications. Should you see any errors in the drawing, or have any questions, please contact your Freeman Marine sales engineer for clarification.					±.1 ±.03 ±.010 ±2°		
	-	INITIAL RELEASE	08JUN11	RR			
contact your Freeman Marine sales engineer for clarification.		DESCRIPTION:	DATE:	DRAWN	DO NOT SCALE DRAWING		



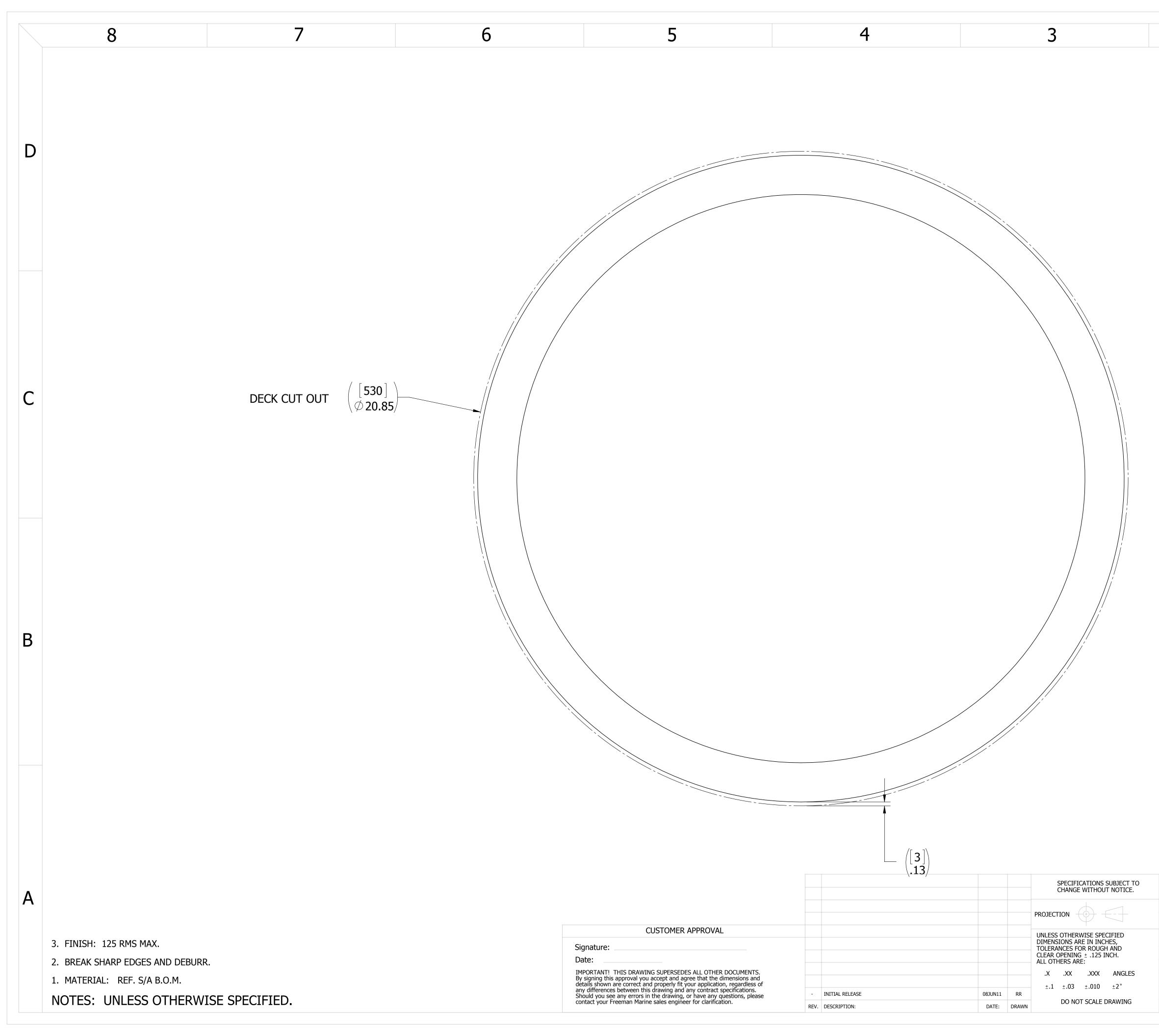
							SUBJECT TO T NOTICE.	
				PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES, TOLERANCES FOR ROUGH AND CLEAR OPENING ± .125 INCH. ALL OTHERS ARE:				
				.Х	.XX	.XXX	ANGLES	
				±.1	±.03	±.010	±2°	
-	INITIAL RELEASE	08JUN11	RR					
REV.	DESCRIPTION:	DATE:	DRAWN	DO NOT SCALE DRAWING				

PART NUMBER	DESCRIPTION	MATERIAL
0021-2005	HANDLE, S/S, ROUND BAR	STAINLESS STEEL, 316
0212-2004	DOG, LOCKING ARM 18, 316L S/S	316 STAINLESS STEEL
0212-2014	HUB, 3 HOLE, 316L S/S	REF. S/A B.O.M.
0212-2017	ACTUATOR, 316LD S/S	STAINLESS STEEL, 316L
0411-2004	PIN, KNURLED, 1/4 X 2-1/4, 316 S/S	STAINLESS STEEL, 316L
0411-2032	LOCKNUT, NYLON INSERT, 3/8-16, 316 S/S	STAINLESS STEEL, 316
0411-2033	WASHER, .406 X 1.25 X .125, 316 S/S	STAINLESS STEEL, 316
0413-2005	WASHER, .406 X 1.250 X .062 NYLON	NYLON
2481-1103	RING: 18 MILD STEEL, DUCTILE IRON CVR	MILD STEEL
2481-3001	COVER: 18 DI, FINISHED CASTING	REF. S/A B.O.M.
9839-2001	GASKET: 18 DI (4.97 FT. OF 0631-9839)	NEOPRENE

28336 HUNTER CREEK ROAD GOLD BEACH, OR 97444 U.S.A. PHONE: 541-247-7078 FAX: 541-247-2114 www.freemanmarine.com

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		TITLE:	HATCH: 18, DI COVER, MS RING						
DRAWN: R. REESE	DATE: 08JUN11				/	/			
CHECKED: P. CANCELLIERI	DATE: 08JUN11					-			
ENGR:	DATE:	SIZE	CAGE C			81-0107		REV.	
DESIGN ACTIVITY:	DATE:		04	747	29	1010101			
CONTRACT NO.:			SCALE:	1:1	CALC WT.	ACT. WT.	SHEET 2	OF 3	



2	1



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		TITLE:	HATCH: 18, DI COVER, MS RING							
DRAWN: R. REESE	DATE: 08JUN11									
CHECKED: P. CANCELLIERI	DATE: 08JUN11	CIZE								
ENGR:	DATE:	SIZE	CAGE CODE 64747		DRAWING NUMBER 2481-0107				REV.	
DESIGN ACTIVITY:	DATE:		047	/4/		240	51-0107			
CONTRACT NO.:			SCALE:	2:3	CA	LC WT.	ACT. WT.	SHEET 3	OF 3	