



ITEM NO.	QTY.	PART NUMBER	DESCRIPTION	MATERIAL
13	1	0011-2004	HUB, AL, 8 & 12	REF. S/A - B.O.M.
12	3	0411-2032	NUT .375IN-16 SS 316 NYLOCK	SS 316/316L
11	3	0411-2003	PIN KNURLED .25 X 1.125IN SS 316	STAINLESS STEEL 316/316L
10	3	0413-2002	WASHER, .406 X 1.000 X .062	NYLON
9	1	0021-2001	SHAFT ASSY, 8 & 12 HATCH HANDLE	STAINLESS STEEL
8	1	0411-2002	PIN KNURLED .25 X 1.50IN SS 316	SS 316/316L
7	3	0411-2101	WASHER FLAT .375IN SS 316	SS 316/316L
6	3	0211-2016	DOG, LOCKING ARM 8, AL	ALUMINUM, 535.2-F
5	1	9801-2001	GASKET: 8 (2.36 FT. OF 0631-9801)	NEOPRENE, 50 DURO
4	1	0212-2016	HANDLE, 8 & 12 HATCH	STAINLESS STEEL, 316L
3	1	0031-2214	BUSHING ASSY, W/ O-RING, SLEEVE	REF. S/A - B.O.M.
2	1	2401-3001	COVER 8IN. CAST HATCH	A356.0-F
1	1	2401-1002	RING: 8IN. ALUMINUM	A356.0-F

SECTION A-A
SCALE 1 : 1

DETAIL B
SCALE 2 : 1

- 8. FOR SPECIFIC INFORMATION CONTACT FREEMAN MARINE SALES.
- 7. ALUMINUM ALLOY MECHANISM ONLY, COMPLETE ASSEMBLY W/DECK RING 8LBS/ 3.6K.
- 6. DOGGING PRESSURE FULLY ADJUSTABLE.
- 5. FLUSH, WATERTIGHT CONSTRUCTION.
- 4. HANDLE POSITION TOPSIDE INDICATES WHETHER DOGGING MECHANISM IS IN OPEN OR CLOSED POSITION.
- 3. CAST ALUMINUM ALLOY COAMING, FLANGE CAN BE DRILLED FOR BOLTED INSTALLATIONS OR WELDED TO ALUMINUM.
- 2. QUICK-ACTING, MECHANISM ENGAGES OR DISENGAGES IN QUARTER-TURN OF CENTER SPINDLE.
- 1. 8.0" DIAMETER CLEAR OPENING, ALL DIMENSIONS SHOWN SUBJECT TO CASTING VARIATION AND ARE REFERENCE ONLY.

NOTES: UNLESS OTHERWISE SPECIFIED

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.		FREEMAN MARINE EQUIPMENT, INC. 28336 HUNTER CREEK ROAD GOLD BEACH, OR 97444 U.S.A. PHONE: 541-247-7078 FAX: 541-247-2114 www.freemanmarine.com	
PROJECTION		CLIENT: FREEMAN MARINE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES FOR ROUGH AND CLEAR OPENINGS: .125 INCH. ALL OTHERS ARE:		TITLE: HATCH, 8 INCH ROUND W/ALUMINUM DECK RING	
.X .XX .XXX ANGLES ±.1 ±.03 ±.010 ±2°		DRAWN: T. KUHNHAUSEN DATE: 16APR07 CHECKED: D. YOES DATE: 01DEC11 ENGR: DATE: DESIGN ACTIVITY: DATE:	
DO NOT SCALE DRAWING		CONTRACT NO.:	
REV.	DESCRIPTION	DATE	DRAWN

SIZE: D	CAGE CODE: 64747	DRAWING NUMBER: 2401-0002	REV.:
SCALE: 1:5	CALC. WT.	ACT. WT.	SHEET 1 OF 2