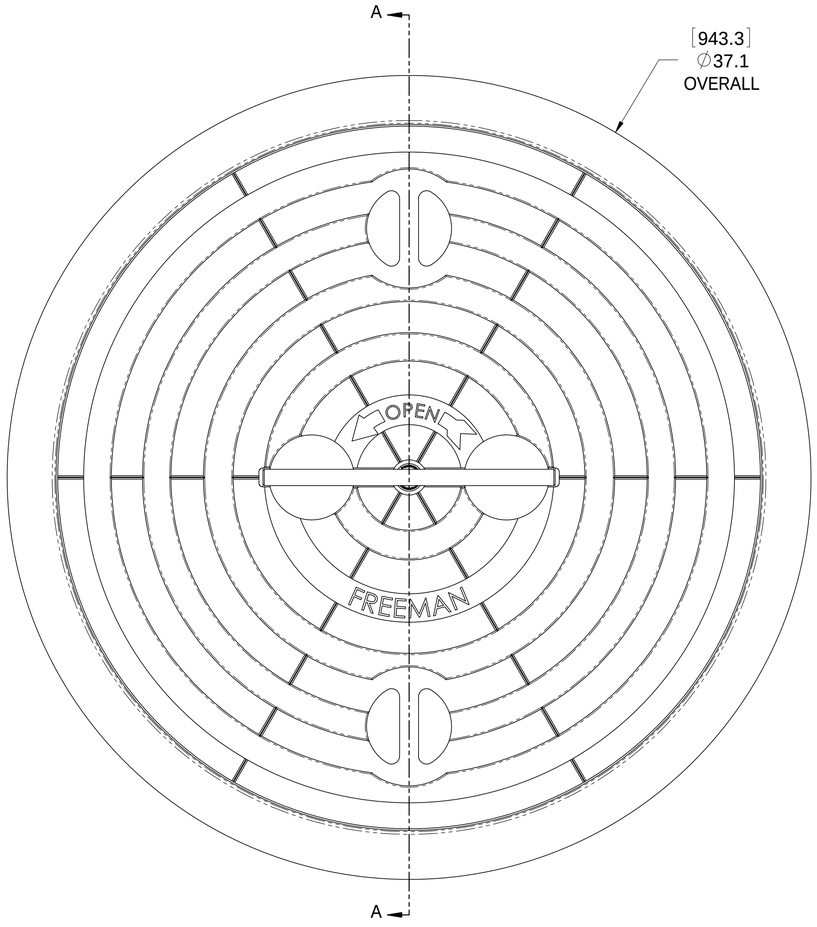

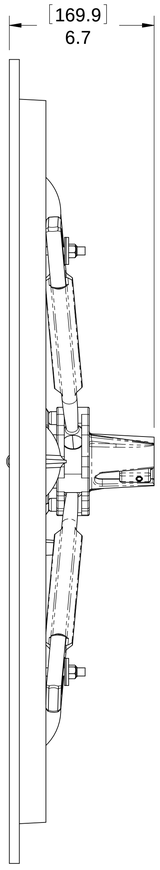

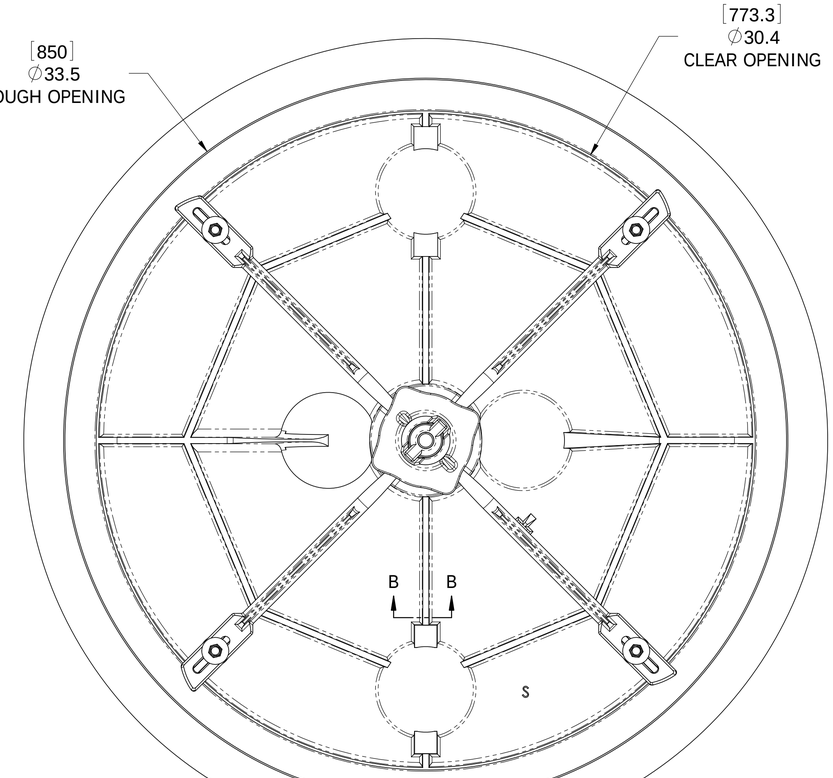

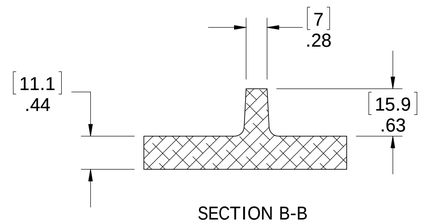

SECTION B-B
SCALE 1 : 1

10. FOR SPECIFIC INFORMATION CONTACT SALES.
9. COMPLETE ASSEMBLY WEIGHT W/ DECK RING, 77.6LBS/ 35.2K.
8. DOGGING PRESSURE FULLY ADJUSTABLE.
7. HANDLE POSITION TOPSIDE INDICATES WHETHER DOGGING MECHANISM IS IN OPEN OR CLOSED POSITION.
6. ALUMINUM MECHANISM SHOWN.
5. FLUSH, WATERTIGHT CONSTRUCTION.
4. INTEGRAL TOPSIDE "T" HANDLE STANDARD, OTHER TOPSIDE ACTUATION AVAILABLE.
3. CAST ALUMINUM ALLOY FLANGE, 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. 30.4" /773mm CLEAR OPENING, ALL DIMENSIONS SHOWN SUBJECT TO CASTING VARIATION AND ARE REFERENCE ONLY.

NOTES: UNLESS OTHERWISE SPECIFIED.

CUSTOMER APPROVAL

Signature: _____

Date: _____

IMPORTANT! THIS DRAWING SUPERSEDES ALL OTHER DOCUMENTS. 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.

REV.	DESCRIPTION:	DATE:	DRAWN
-	INITIAL RELEASE	25AUG10	GJM
A	UPDATE GEN NOTES AND B.O.M.	08JUL11	PPC

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

PROJECTION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES, TOLERANCES FOR ROUGH AND CLEAR OPENING ± .125 INCH. ALL OTHERS ARE:

.X	.XX	.XXX	ANGLES
±.1	±.03	±.010	±2˚

DO NOT SCALE DRAWING

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

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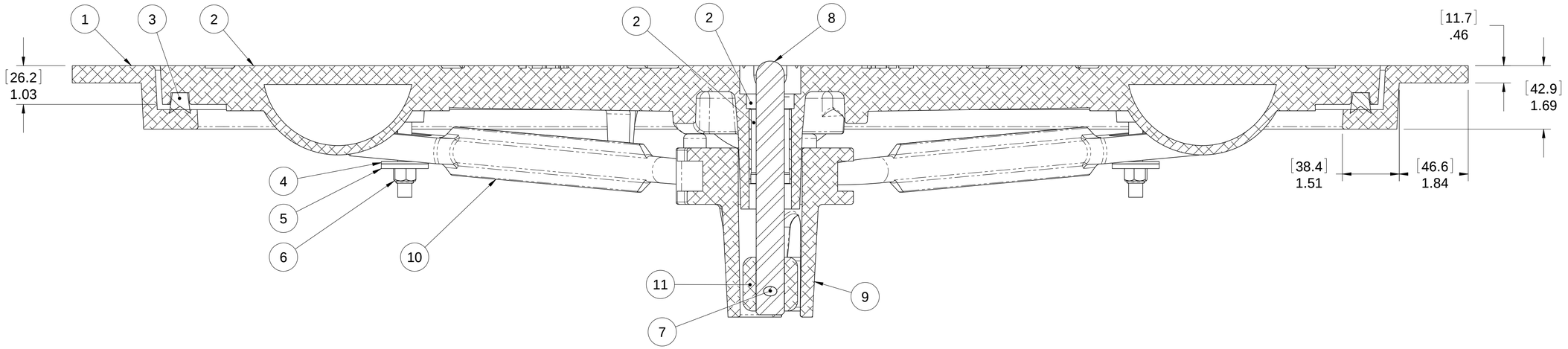
DRAWN: G MACEACHERN	DATE: 25AUG10
CHECKED:	DATE:
ENGR:	DATE:
DESIGN ACTIVITY:	DATE:
CONTRACT NO.:	

CLIENT: FREEMAN MARINE EQUIPMENT

TITLE: HATCH: 30, AL COVER, AL RING, W/INTEGRAL T-HANDLE

SIZE	CAGE CODE	DRAWING NUMBER	REV.
D	64747	2415-0002	A

SCALE: 1:3.5 | CALC WT. | ACT. WT. | SHEET 1 OF 2



SECTION A-A

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION	MATERIAL
12	1	0031-2058	BUSHING ASSY, W/O-RING, NO SLEEVE	ACETRON/RUBBER
11	1	0112-2001	ACTUATOR, AL	ALUMINUM, 535
10	4	0211-2030	DOG, LOCKING ARM 3036, AL, 15	ALUMINUM, 535.2-F
9	1	0011-2002	HUB, AL, 4 HOLE	AL, 535.2-F
8	1	0021-2005	HANDLE, S/S, ROUND BAR	SS, 316
7	1	0411-2004	PIN KNURLED .25 X 2.25IN SS 316	SS, 316
6	4	0411-2032	NUT .375IN-16 SS 316 NYLOCK	SS, 316
5	4	0411-2033	WASHER .406 X 1.25 X .125IN SS 316	SS, 316
4	4	0413-2005	WASHER, .406 X 1.250 X .062 NYLON	NYLON
3	1	0631-9839	GASKET	NEOPRENE
2	1	2415-3001	COVER, MODEL 30 H	ALUMINUM
1	1	2415-1002	RING: 30-H	ALUMINUM A356.0-F

REV.	DESCRIPTION:	DATE:	DRAWN
-	INITIAL RELEASE	25AUG10	GJM
A	UPDATE GEN NOTES AND B.O.M.	08JUL11	PPC

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±.1	±.03	±.010	±2˚

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SIZE	CAGE CODE	DRAWING NUMBER	REV.
D	64747	2415-0002	A

SCALE: 2:3 | CALC WT. | ACT. WT. | SHEET 2 OF 2