

8. THIS DRAWING PROVIDES THE GENERAL CONFIGURATION OF A HATCH. FOR SPECIFIC INFORMATION CONTACT ADVANCED MARINE TECHNOLOGIES SALES.

7. DOGGING PRESSURE FULLY ADJUSTABLE.

6. ALUMINUM ALLOY MECHANISM SHOWN.

5. FLUSH, WATERTIGHT CONSTRUCTION.

4. STAINLESS STEEL RING AND FLANGE CAN BE DRILLED FOR BOLTED INSTALLATIONS, OR WELDED TO STAINLESS STEEL.

3. CAST ALUMINUM COVER.

2. QUICK ACTING MECHANISM ENGAGES OR DISENGAGES IN QUARTER-TURN OF CENTER SPINDLE.

1. ALL DIMENSIONS SHOWN SUBJECT TO CASTING VARIATION AND ARE FOR REFERENCE ONLY.

NOTES: UNLESS OTHERWISE SPECIFIED.

A

CUSTOMER APPROVAL

Signature: _____

Date: _____

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REV.	DESCRIPTION	DATE	DRAWN
A	PRODUCTION RELEASE	24MAY13	ZJC

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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CLIENT: **FREEMAN MARINE**

TITLE: **MODEL 2492, QUICK ACTING CAST HATCH INTEGRAL YOKE, STAINLESS STEEL RING**

SIZE: **D** CAGE CODE: **64747** DRAWING NUMBER: **2492-0065** REV. **A**

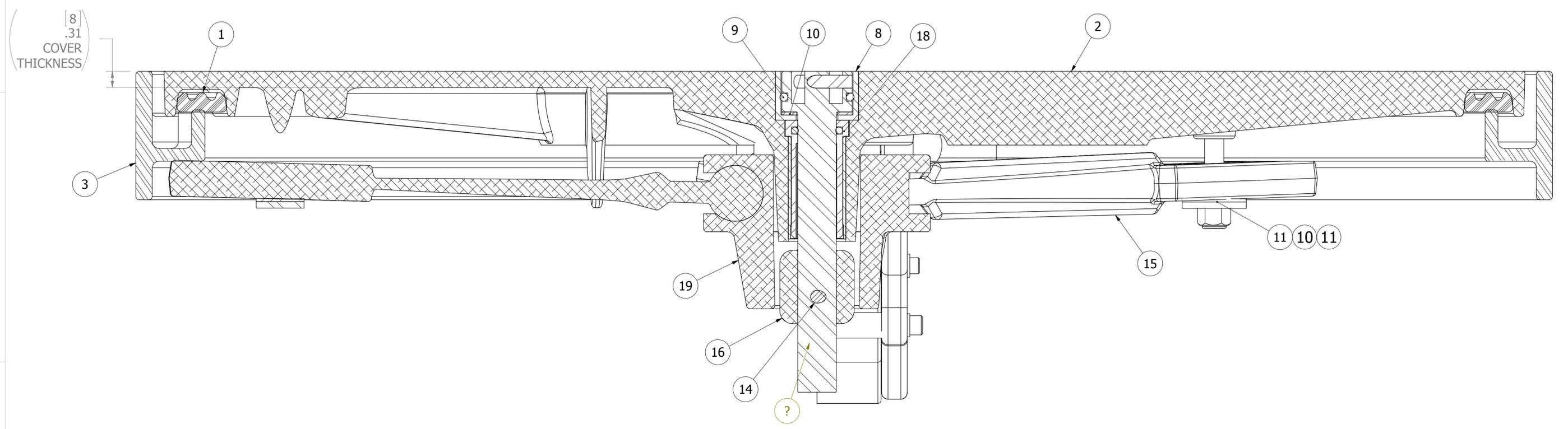
SCALE: 1:3 CALC. WT. ACT. WT. SHEET 1 OF 3

D

C

B

A



SECTION A-A
SCALE 1 : 1

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION	MATERIAL
19	1	0011-2006	HUB, 4 HOLE - SHORT	ALUMINUM, 535.2
18	1	0031-2001	BUSHING ASSY, STD HATCH, W/SLEEVE	REF. S/A - B.O.M.
17	1	0031-2107	SPINDLE, INTERLOCKING, FLUSH TO 1/4 TEAK	STAINLESS STEEL, 316L
16	1	0112-2001	ACTUATOR, AL	ALUMINUM, 535
15	4	0211-2007	DOG, LOCKING ARM	ALUMINUM, 535.2-F
14	1	0411-2004	PIN, KNURLED, 1/4 X 2-1/4, 316 S/S	STAINLESS STEEL, 316L
13	4	0411-2032	LOCKNUT, NYLON INSERT, 3/8-16, 316 S/S	STAINLESS STEEL, 316
12	4	0411-2033	WASHER, .406 X 1.25 X .125, 316 S/S	STAINLESS STEEL, 316
11	4	0413-2005	WASHER, .406 X 1.250 X .062 NYLON	NYLON
10	1	0413-2049	WASHER, SHIM CAST HATCH BI-SQ	ACETAL, BLACK
9	1	0441-2045	O-RING, 27MM X 4MM	BUNA-N
8	1	0441-2341	CUP, INTERLOCKING SPINDLE, FLUSH TO 1/4	ACETRON GP, BLACK
7	1	0461-2077	HINGE ASSY, YOKE, CAST HATCH, W/HOLD OPEN	REF S/A B.O.M.
6	2	0462-2405	BOSS, MOUNT, YOKE HINGE, CAST HATCH (0611-9531)	6061-T6511 ALUMINUM
5	2	0462-2524	BOSS, MOUNT, YOKE HINGE, CAST HATCH (0613-9513)	316L STAINLESS STEEL
4	1	0462-2641	FLANGE, YOKE HINGE, 1926 CAST HATCH, L, S/S	S/S
3	1	2435-1005	RING: 1926K	STAINLESS STEEL
2	1	2492-3041	COVER: 1926 ALUM, FINISHED CASTING	ALUMINUM, A356.0-F
1	1	9885-2012	GASKET	NEOPRENE, 25 DURO

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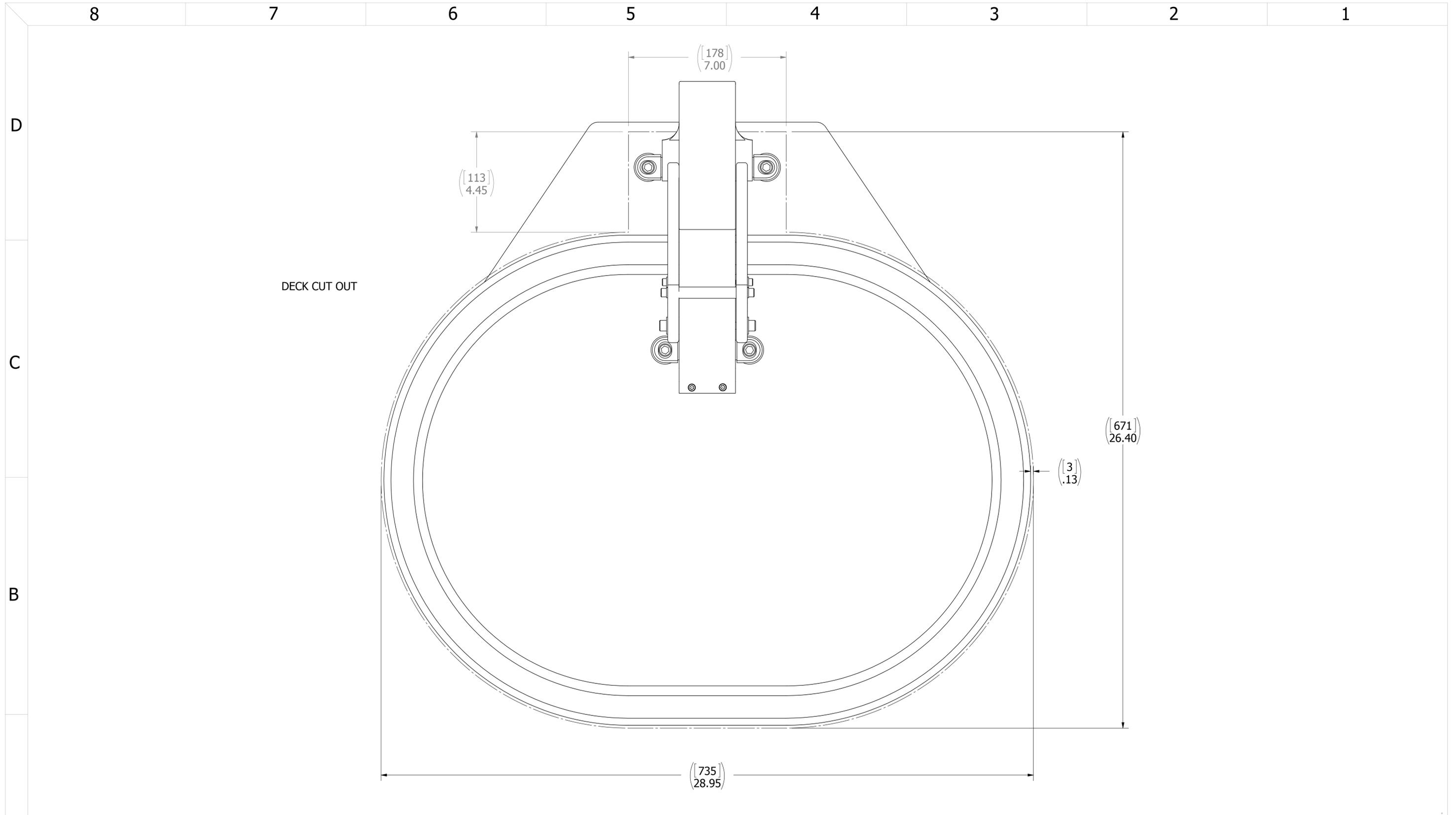
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SCALE: 1:3 CALC. WT. ACT. WT. SHEET 2 OF 3

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DRAWN: Z. CARPENTER DATE: 24MAY13
CHECKED: D. YOES DATE: 24MAY13
ENGR: DATE: _____
DESIGN ACTIVITY: DATE: _____
CONTRACT NO.: _____



DECK CUT OUT

- 3. FINISH: 125 RMS MAX.
 - 2. BREAK SHARP EDGES AND DEBURR.
 - 1. MATERIAL: REF. S/A - B.O.M.
- NOTES: UNLESS OTHERWISE SPECIFIED.

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SCALE: 1:2 CALC. WT. ACT. WT. SHEET 3 OF 3