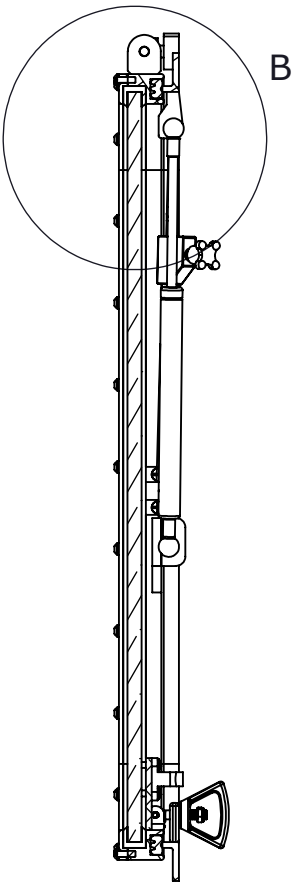
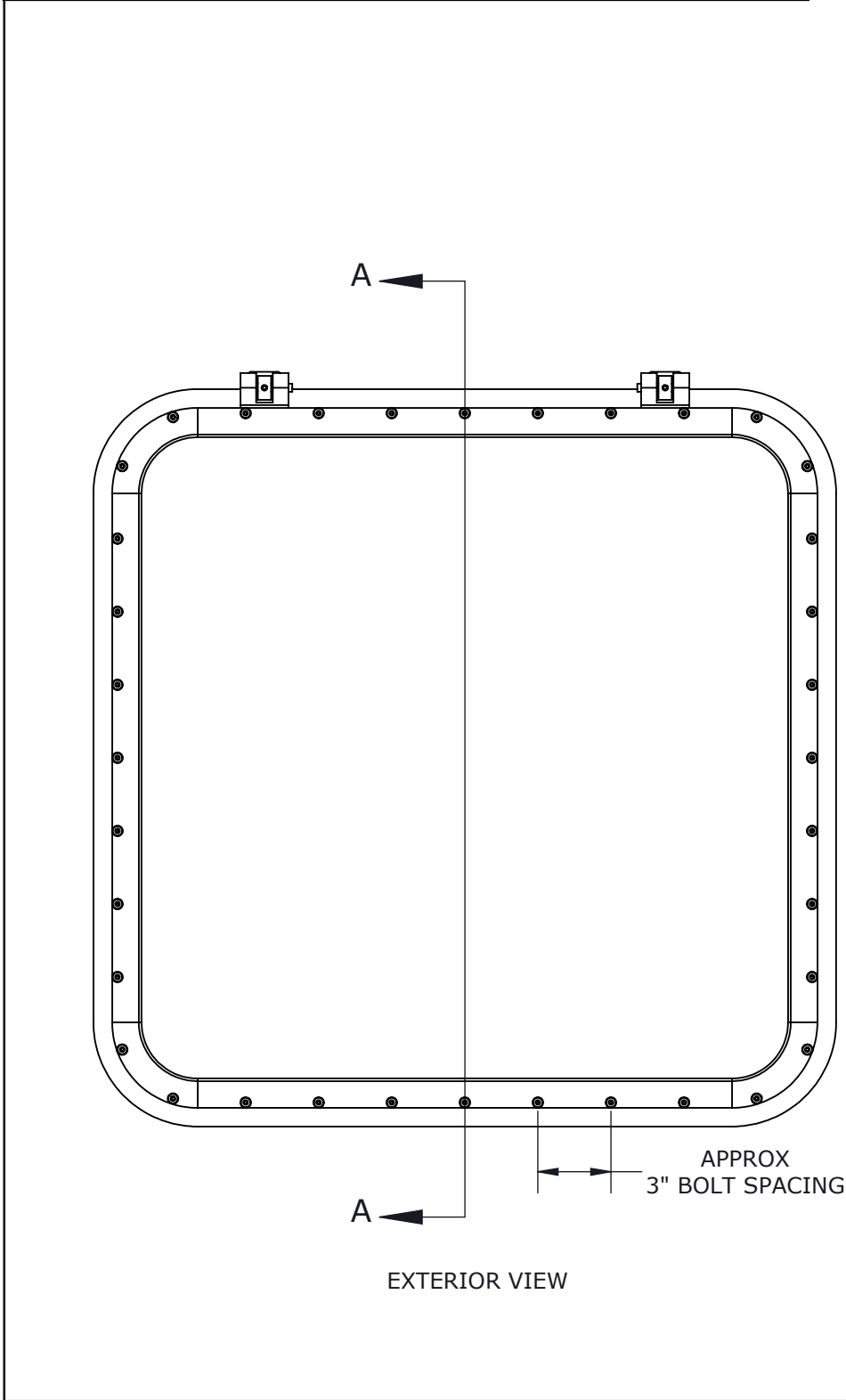
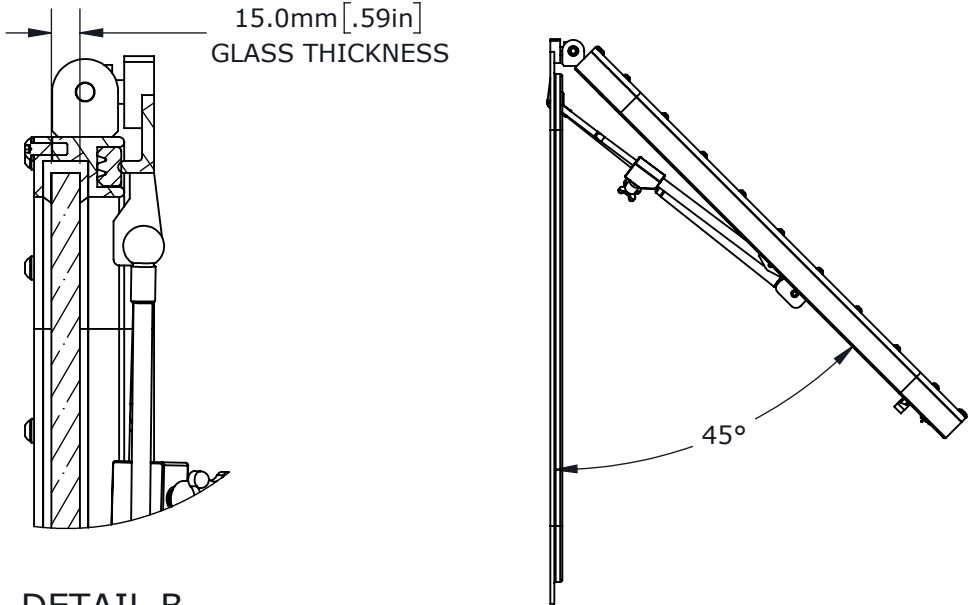


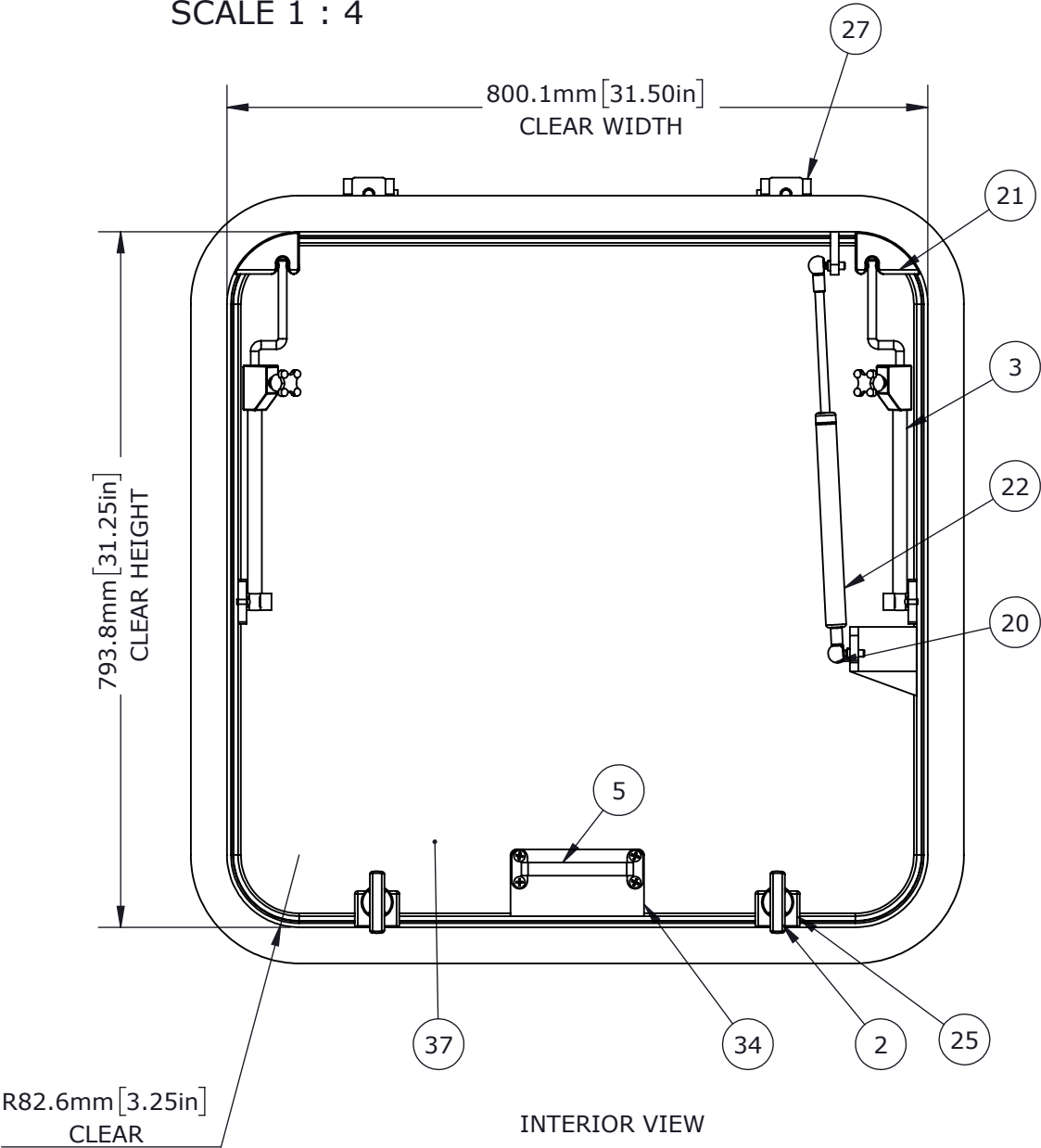
WINDOW LOCATIONS
3RD MATE'S HINGED OUTSWING WINDOW
2ND ENGINEER'S HINGED OUTSWING WINDOW
2ND MATE'S HINGED OUTSWING WINDOW
SENIOR ENGINEER'S HINGED OUTSWING WINDOW
CHIEF MATE'S HINGED OUTSWING WINDOW
CHIEF ENGINEER'S HINGED OUTSWING WINDOW
CAPTAIN'S FORWARD HINGED OUTSWING WINDOW
CAPTAIN'S AFT HINGED OUTSWING WINDOW
CHIEF SCIENTIST'S HINGED OUTSWING WINDOW
LAUNDRY HINGED OUTSWING WINDOW
ELECTRONICS ROOM HINGED OUTSWING WINDOW
SHIPS OFFICE HINGED OUTSWING WINDOW
SPARE HINGED OUTSWING WINDOW



SECTION A-A



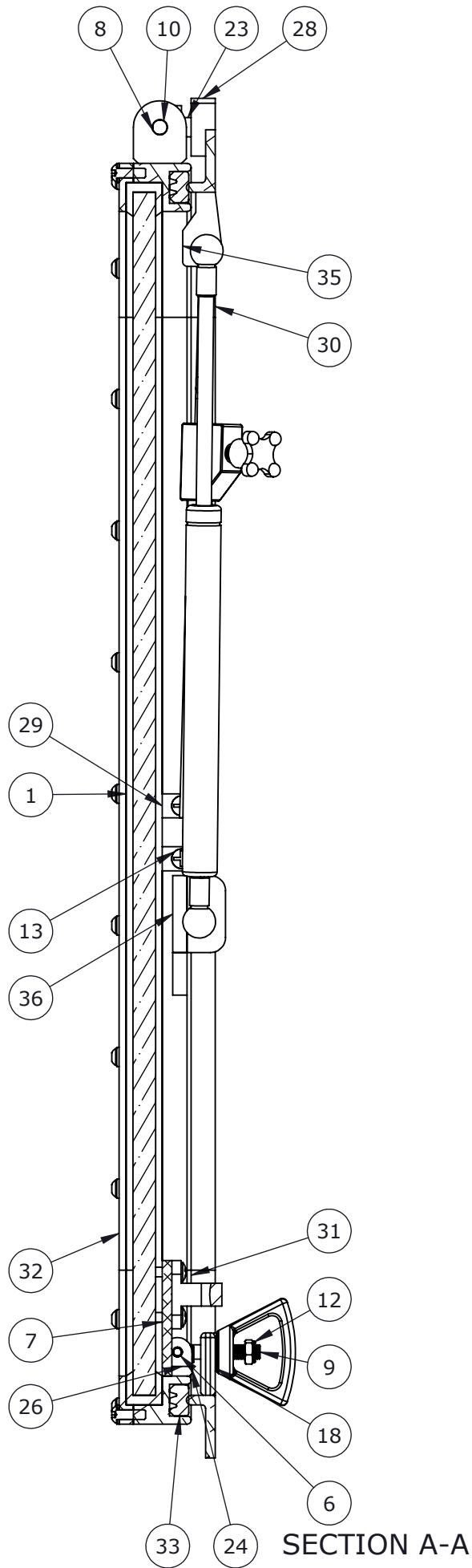
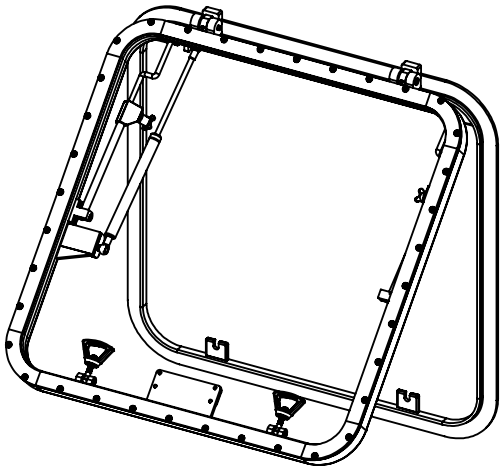
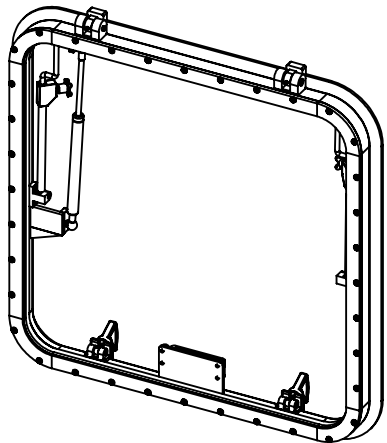
DETAIL B  
SCALE 1 : 4



INTERIOR VIEW

REVISIONS				
REV.	DESCRIPTION	BY	DATE	
00	CUSTOMER APPROVAL	MT	12/16/16	
01	BOM CORRECTION	MT	12/22/16	

ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	1	-	GLAZING W/ SET BLOCK & CAP BEAD	SIKAFLEX AND RUBBER
2	2	0011-2024	KNOB, BELL, 3/8-16 HELICOIL, VIB FINIS	ALUMINUM, 535
3	1	0031-2047	HOLD OPEN ASSY, STRAIGHT -005 MLB WINDOW	REF. S/A - B.O.M.
4	1	0031-2049	HOLD OPEN ASSY, STRAIGHT -006 MLB WINDOW	REF. S/A - B.O.M.
5	1	0242-2001	HANDLE, FT-150 MIRROR FINISH, S/S	STAINLESS STEEL
6	2	0411-2002	PIN KNURLED .25 X 1.50IN SS 316	SS 316/316L
7	4	0411-2017	SCREW, OH P .25-20X.75IN	SS 316LD
8	2	0411-2023	SCREW SET .312IN-18 X .375IN SS 316	SS 316/316L
9	2	0411-2059	BOLT, 2.5 DROP, .359 EYE, EP	STAINLESS STEEL, 316L
10	2	0411-2063	SCREW, SH A .375-16X2IN	SS 316LD
11	2	0411-2083	SCREW, SH CAP, 10-24 X 1-1/2	STAINLESS STEEL, 304
12	2	0411-2130	LOCKNUT, NYLON INSERT JAM, 3/8-16	SS, 316
13	4	0411-2166	SCREW FH P .25-20 X .50IN	SS SS 316/316L
14	2	0411-2167	SCREW, SH CAP, .25-20 X 1.25	AISI 316L STAINLESS STEEL
15	36	0411-2251	WASHER .255 X .468 X .062IN SS 316	SS 316/316L
16	36	0411-2283	SCREW BH A .25-20 X .75IN SS 316	SS 316/316L
17	4	0413-2001	WASHER, .260 X .500 X .031	NYLON
18	2	0413-2002	WASHER, .406 X 1.000 X .062	NYLON
19	4	0413-2003	WASHER, .190 X .437 X .031, NYLON WHITE	NYLON
20	2	0423-2212	BALL JOINT, M8 x 30MM	STAINLESS STEEL, 316L
21	2	0423-2308	BRACKET, WELD-ON	ALUMINUM
22	1	0423-2351	GAS SPRING, 10/23 - 200 HEAVY OIL	STAINLESS STEEL
23	2	0431-2003	BOLT, HINGE: 175-017 WINDOW	STAINLESS STEEL
24	2	0431-2018	SPRING, DROP BOLT	STAINLESS STEEL
25	2	0435-2008	BRACKET, DROP BOLT: WELD-ON WINDOW CMG	ALUMINUM
26	2	0435-2009	BRACKET, DROP BOLT: WELD-ON WINDOW FRM	ALUMINUM
27	2	0435-2013	BRACKET, HINGE, WINDOW COAMING	ALUMINUM, 6061
28	2	0435-2014	BRACKET, HINGE: WINDOW FRAME, WELD-ON	ALUMINUM, 6061
29	2	0435-2016	BRACKET, HOLD OPEN, WINDOW FRAME	ALUMINUM
30	1	P0006513-001-201	FRAME, WINDOW	ALUMINUM, 6061-T4/T451 (0611-9025)
31	1	P0006513-001-301	FRAME, LENS	ALUMINUM, 6061-T4/T451 (0611-9024)
32	1	P0006513-001-305	RETAINER, WINDOW	ALUMINUM, EXTRUSION, AL 6061-T4 (0611-9502)
33	1	P0006513-001-306	GASKET	NEOPRENE (0631-9810)
34	1	P0006513-001-307	HANDLE BRACE	PLATE, AL 5052-H32 .25IN (0711-2104)
35	1	P0006513-001-308	GAS SHOCK BRACKET	PLATE, AL 5052-H32 .375IN (0711-2107)
36	1	P0006513-001-310	GAS SHOCK LOWER BRACKET	PLATE, AL 5052-H32 .375IN (0711-2107)
37	1	P0006513-001-901	LENS, WINDOW	GLASS, 15MM CLEAR TEMP



REVISIONS

SEE PAGE 1 FOR ALL REVISIONS

GENERAL NOTES

1. SEE PAGE 1.

CUSTOMER APPROVAL

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 PRIOR CONTRACT SPECIFICATIONS. SHOULD YOU HAVE ANY QUESTIONS OR SEE ANY ERRORS, DO NOT SIGN THIS APPROVAL UNTIL THE DRAWING IS CORRECTED.

SIGN

DATE

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS. TOLERANCES FOR ROUGH AND CLEAR OPENINGS ARE ±3mm (.125"). ALL OTHERS ARE:

METRIC	X	.X	.XX	ANGLES
	±2.5	±.8	±.25	±2°
IMPERIAL	.X	.XX	.XXX	ANGLES
	±.1	±.03	±.010	±2°

BAR CODE

CAGE CODE

64747

FM

FREEMAN

MARINE EQUIPMENT

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CLIENT

CANADIAN COAST GUARD

PROJECT TITLE

JOHN P TULLY

DWG TITLE				QTY
SEE TABLE				-
SCALE	DRAWN	DATE	CHECKED	DATE
1:4	MT	12/16/16	AV	12/16/16
S.O. NO	DWG NO			SHEET
49834	P0006513-001			2
				of
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