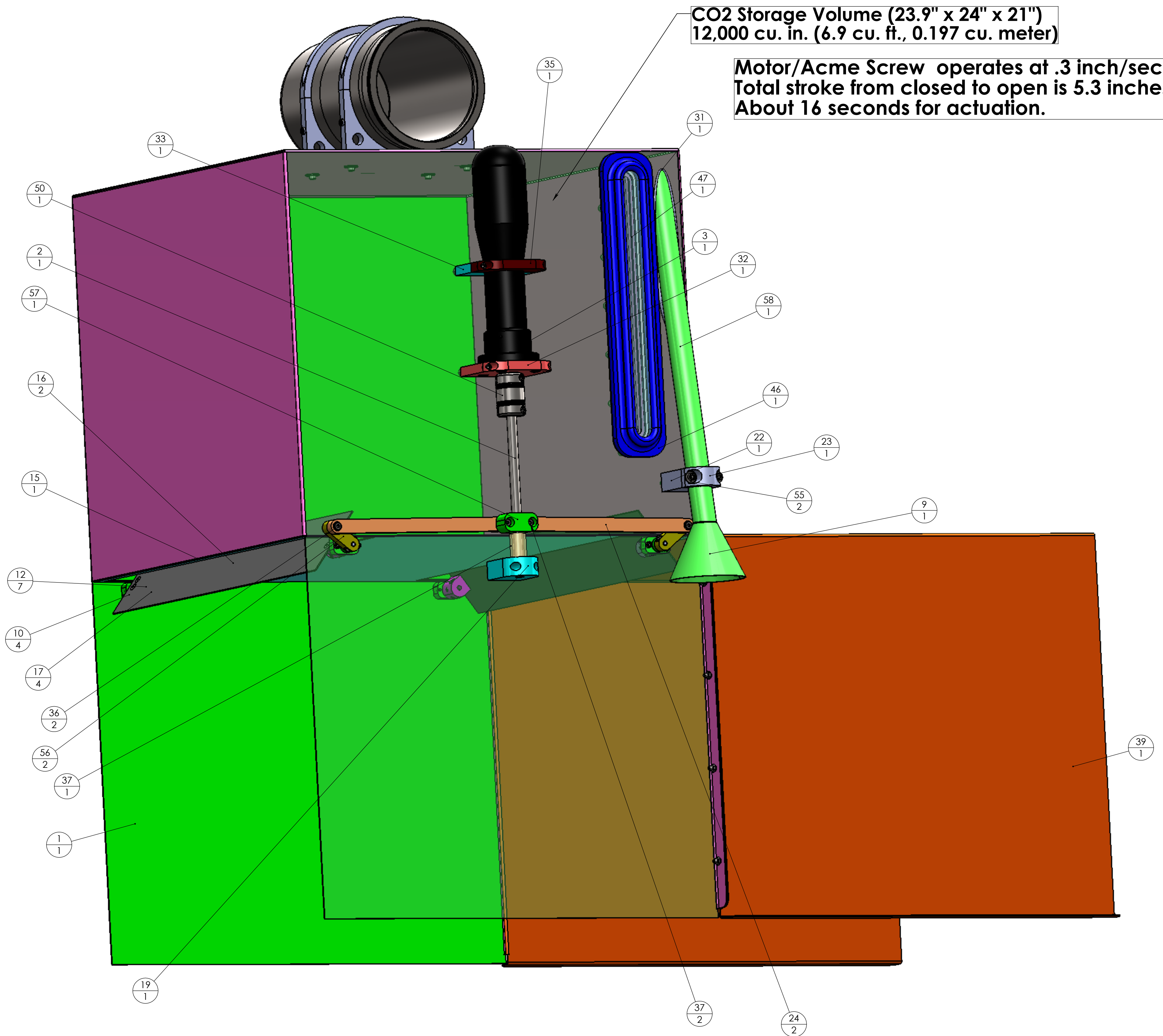




CO2 Storage Volume (23.9" x 24" x 21")
12,000 cu. in. (6.9 cu. ft., 0.197 cu. meter)

Motor/Acme Screw operates at .3 inch/sec.
Total stroke from closed to open is 5.3 inches.
About 16 seconds for actuation.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	10020488 CO2 Box Rev A		1
2	Acme Screw		1
3	FOCE fan motor m1		1
4	Motor Housing FOCE		1
5	Housing end cap, FOCE		1
6	FOCE gear shaft		1
7	ALLMOTION Mtr Contr. Brd		1
8	Motor Controller Bracket		1
9	10020513 CO2 Funnel		1
10	10020496 Bushing for CO2 Louver Box.		4
11	Regular FW 0.112		11
12	HX-SHCS 0.112-40x0.875x0.875-N		7
13	MSHxNUT 0.112-40-S-N		5
14	Regular LW 0.112		2
15	Louver Base		1
16	10020498 CO2 Box Louver		2
17	10020497 CO2 Louver Pin Block		4
18	SHCS CREW 0.19-24x1x1-HX-N		8
19	10020500 Acme Shaft Support Block		1
20	SHSSCREW 0.3125x0.3125-N		2
21	Regular FW 0.25		2
22	CO2 Funnel Support Base		1
23	CO2 Funnel Support Clamp		1
24	10020494 CO2 Louver Long Link		2
25	HX-SHCS 0.19-24x0.375x0.375-N		8
26	Regular LW 0.25		2
27	HX-SHCS 0.19-24x0.75x0.75-N		4
28	Narrow FW 0.19		4
29	Washer No. 10		2
30	HX-SHCS 0.25-20x2.75x1.25-N		4
31	bead3		1
32	10020501 CO2 Motor Support Plate		1
33	10020505 Central Motor Support Base		1
37	Tygon tubing acme shaft spring		1
35	10020508 Central Motor Support Clamp		1
36	SHSSCREW 0.3125x0.375-C		2
37	SHSSCREW 0.3125x0.5-C		2
38	Louver Torsion Pin		2
39	10020490 Inlet Tunnel Extension		1
40	HX-SHCS 0.19-24x0.5x0.5-N		8
41	MSHxNUT 0.190-24-S-N		8
42	Regular LW 0.19		8
43	HX-SHCS 0.25-20x1.375x1.375-N		2
44	HNUT 0.2500-20-D-N		6
45	CO2 Box Sight Glass Gasket		1
46	10020491 CO2 Box Sight Glass Cover		1
47	CO2 Box Sightglass		1
48	HX-SHCS 0.25-20x0.375x0.375-N		14
49	bead4		1
50	.38 x .50 Helical Beam Shaft Coupling		1
51	B18.3.1M - 5 x 0.8 x 20 Hex SHCS -- 20NHX		2
52	bead22		1
53	bead23		1
54	HX-SHCS 0.25-20x3.25x1.25-N		2
55	Selected Narrow FW 0.266		2
56	10020495 CO2 Louver Short Link		2
57	10020499 Drive Block for Acme Screw		1
58	10020510 CO2 Filling Tube		1
59	CO2 Electronics Housing		1
60	CO2 Electronics Housing Clamp Base		2
61	CO2 Electronics Housing Clamp Top		2
62	MBARI Barrel Nut NO. 3		8
63	Wide FW 0.19		4
64	HX-SHCS 0.19-24x0.75x0.75-N		4

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:
1. DIMENSIONS ARE IN INCHES
2. DIMENSIONS UNLESS NOTED OTHERWISE
3. REMOVE BURRS AND SHARP EDGES (0.5 MAX.)
4. MACHINED SURFACES (0.0005 INCHES)
5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITH DCS
6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES (0.002 INCHES)
MAX. 0.01 INCHES FOR SPHERE SURFACE.

APPROVALS
DATE
DRAWN: J. Shone 06Apr10
CHECKED: F. Shone 06Apr10
PROJECT NO. 900719
PROJECT: FOCE
WEIGHT

MONTEREY BAY AQUARIUM RESEARCH INSTITUTE
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FOCE
CO2 Delivery System Assembly

SCALE: NONE | CAD FILE: Project\900719\FACE | SHEET 1 OF 1