

87654321

DWG NO.110505SH1REV1A

1

NOTES UNLESS OTHERWISE SPECIFIED:

5.50000000±.06

3/8-16UNC-2A ALL THREAD

STUD, THREADED - 110505-99

SCALE: NONE

MATERIAL: MAKE FROM McMASTER-CARR
P/N 96095A140

SOLIDWORKS FILE: 110505 SH1 REV A

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
37	TITANIUM WELD WIRE	TITANIUM WELD WIRE, .095 DIA., CP GRADE 2	24"
36	PRIMER T (747)	THREAD LOCKING PRIMER	1
35	LOCTITE 242	THREAD LOCKING COMPOUND	1
34	59043 MARS CG CABLE ONLY	REF ONLY - FOR C.G. MODELING	-
33	33325 MARS CG CABLE ONLY	REF ONLY - FOR C.G. MODELING	-
32	33325 HV CABLE ASSY	REF ONLY - PART OF 110418 ASSEMBLY	-
31	59043 SC CABLE ASSY	REF ONLY - PART OF 110410 ASSEMBLY	-
30	WASHER .75	WASHER, 3/4 I.D., TITANIUM CP GRADE 2	8
29	NUT 3-4 TITANIUM	NUT, HEX, 3/4-10 UNC, TITANIUM CP GRADE 2	8
28	110697-001 A	WASHER, BACKING, SQUARE	4
27	110696-001 A	ANGLE, GUIDE	8
26	110709-001 A	COUNTERBALANCE WEIGHT, 11 LB	14
25	110672-001 A	COUNTERBALANCE WEIGHT PLASTIC	8
24	110671-001 A	COUNTERBALANCE WEIGHT, 5.5 LB	10
23	3105T33	EYE NUT, ROUND, FORGED TITANIUM, 3/4-10 THRD McMaster	4
22	LATCHING POST	LATCHING POST FURNISHED BY MBARI	1
21	110643-001 A	ANTI-ROTATION BRACKET, MV HOUSING	1
20	110642-001 A	ANTI-ROTATION BRACKET, LV	1
19	110635-001 A	PIN, TIEDOWN STRAP	4
18	110633-001 A	TIEDOWN STRAP LARGE BOTTLE	2
17	110632-001 A	TIEDOWN STRAP SMALL BOTTLE	2
16	110627-001 A	ANGLE, FLOAT SHORT	2
15	110628-001 A	ANGLE, FLOAT LONG	2
14	110617-001 A	BUSHING WASHER	4
13	110371-001 XB	MARS FLOAT	1
12	110618-001 A	TIEDOWN ROD	4
11	110616-001 A	LIFT ROD BUSHING	4
10	110614-001 A	ANGLE LEFT FIBERGLASS	2
9	110613-001 A	FIBERGLASS ANGLE RIGHT	2
8	110608-100 A	FIBERGLASS CONN ASSY RIGHT	1
7	110607-100 A	FIBERGLASS CONN ASSY LEFT	1
6	110595-100 A	BACKBONE WELDMENT	1
5	110597-100 A	FRAME BUMPER, NODE MODULE ASSEMBLY	1
4	110418-100 XA	MV POWER HOUSING ASSEMBLY	1
3	110410-100 XA	LV POWER/COMMS HOUSING ASSEMBLY	1
2	SP110504-001	MARS 400 V POWER/TELEMETRY CABLE ASSEMBLY	1
1	110505-99 A	STUD, THREADED, 3/8-16 UNC X 5.50L, TITANIUM CP GR 2	4

DO NOT SCALE DRAWING
INTERPRET DIMENSIONS AND TOLERANCES IAW ASME Y14.5M-1994
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
ANGULAR ± .5"
FRACTION ± 1/8
DECIMAL .X ± .06
.XX ± .03
.XXX ± .015
HOLES < Ø.500 +.006
-.001
SURFACE ROUGHNESS 125/
BREAK EDGES .005-.020 CHAMFER OR RADIUS
FILLET RADII .015 MAX

PARTS LIST	
CONTRACT NO.	APPROVALS
MATERIAL	DRAWN P. DEXTER
FINISH	CHECKED
	ISSUED
	ORIG RELEASE
DATE	17 JAN 05
DATE	27 JAN 05
DATE	27 JAN 05

SIZE D

CAGE CODE 6T914

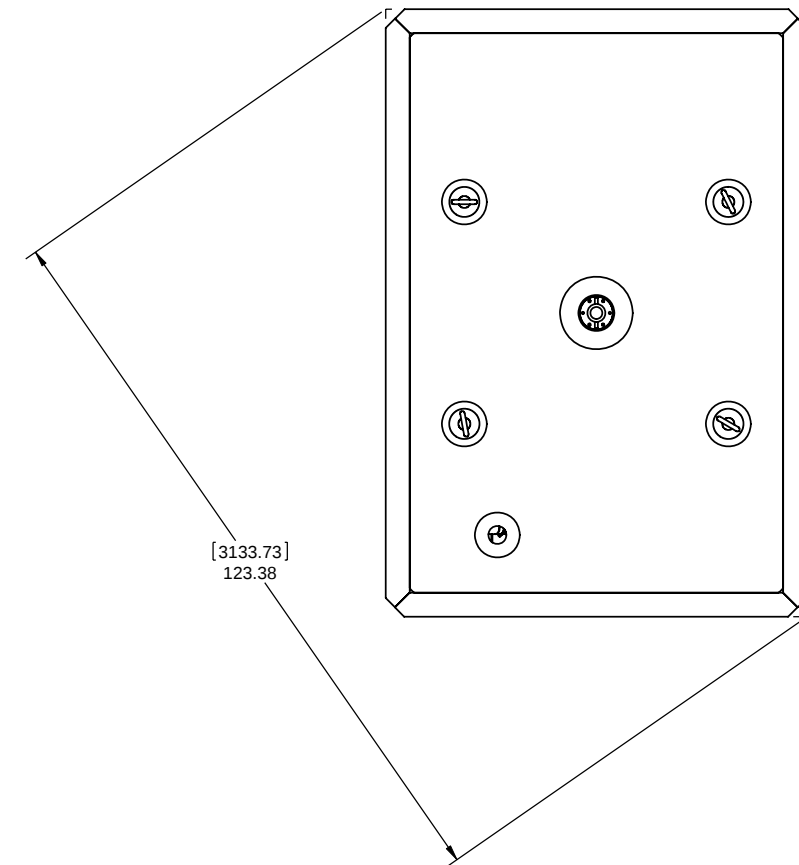
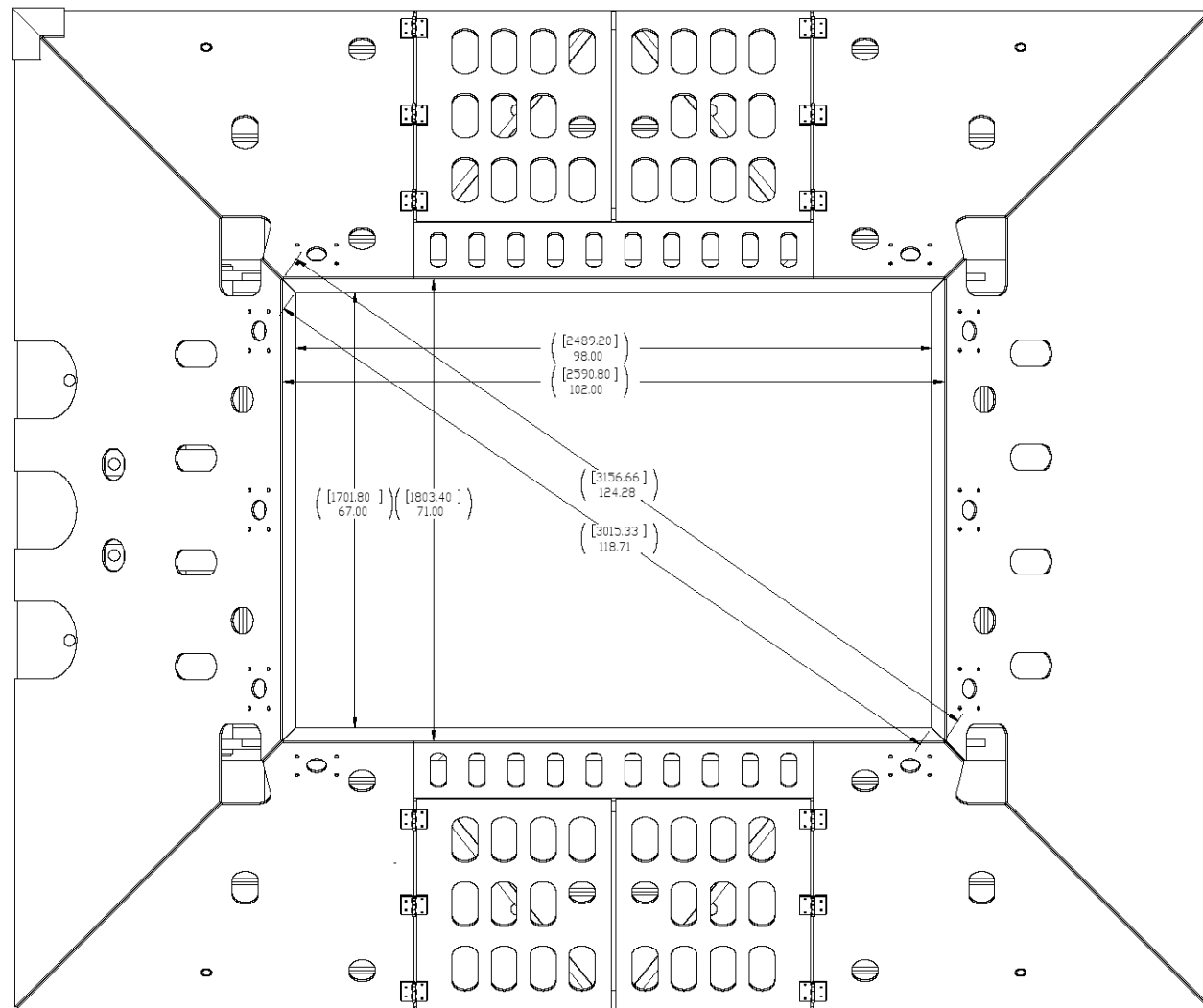
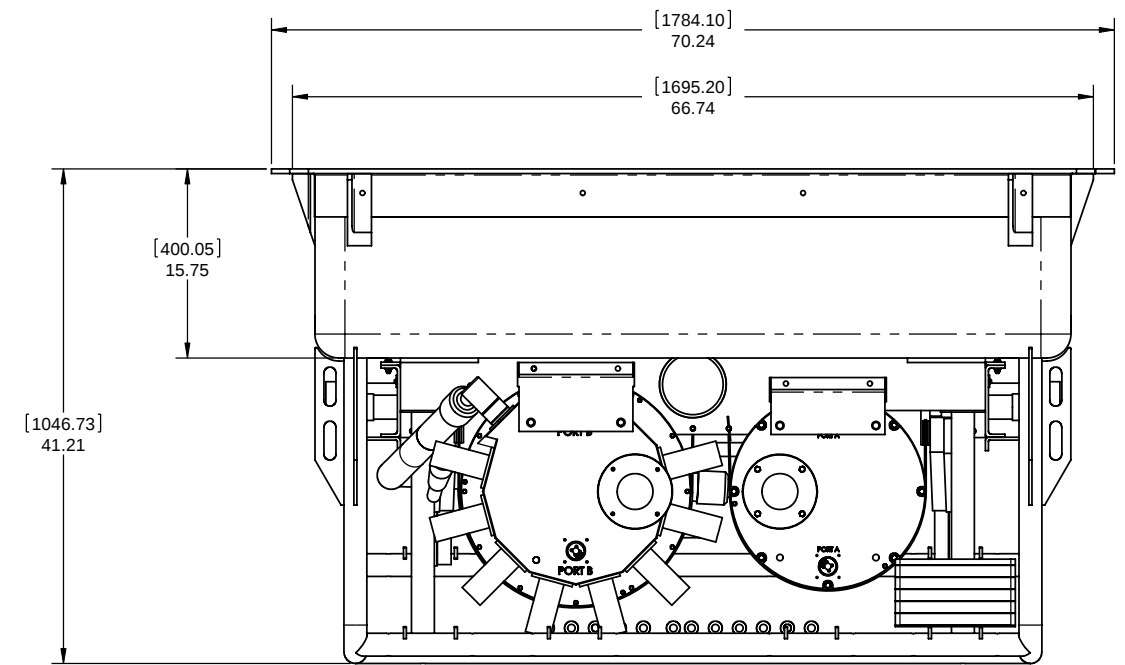
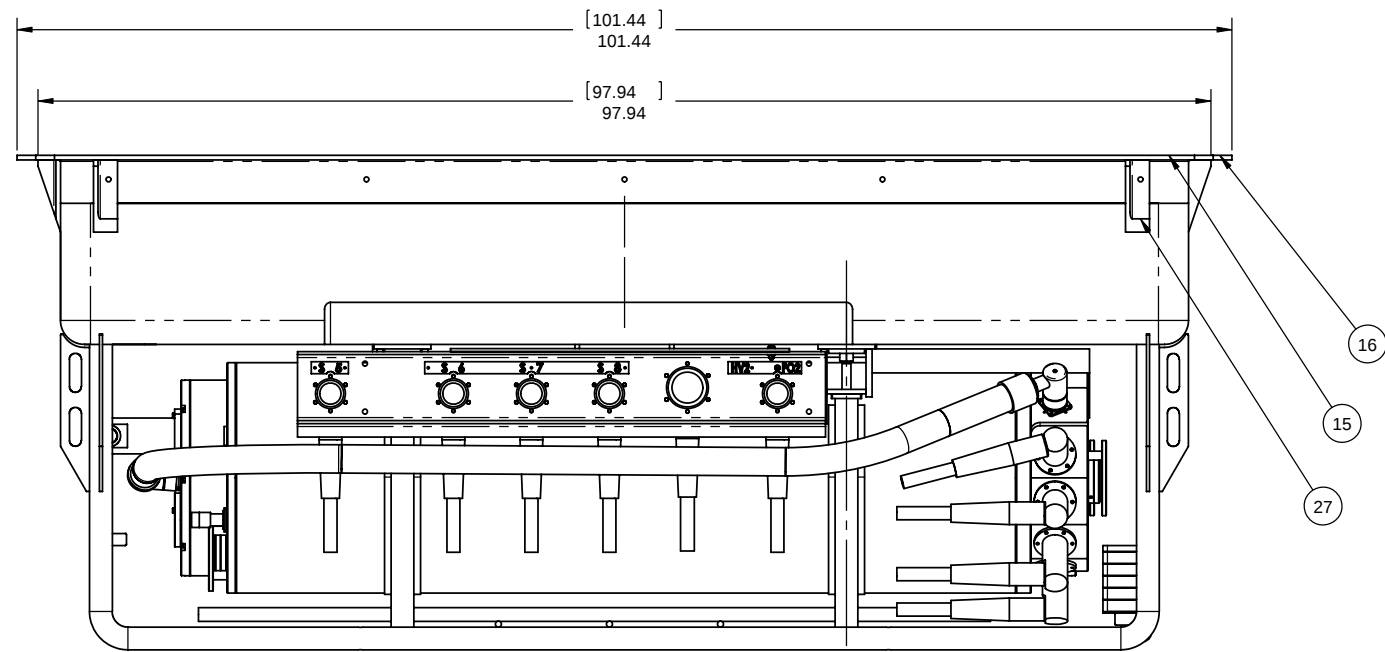
DWG NO. 110505

REV. A

SCALE 1:16

REF: NONE

SHEET 1 OF 2



NOTES:
 1) AS BUILT DIMENSIONS FOR REFERENCE ONLY
 2) FINAL TRF DIMENSIONS MUST ALLOW FOR MINIMUM 1/2" (13mm) OF FIBERGLASS ANGLE (ITEMS 15 & 16) TO SIT ON TRF LIP
 3) FINAL TRF DIMENSIONS MUST ALLOW FIBERGLASS GUIDE ANGLE (ITEM 27) TO FIT ENTIRELY INSIDE TRF OPENING