

ORACLE BOM Explosion Report

Item Number: 62-174531
Description: ELECT. EQUIP. FRAME ASSY, T6000 800W
Item Revision: A.08 ECO-00039304
Date as of: 03/24/2021 06:36:42 AM PDT

Find Num	Qty	Inventory Unit (LN6)	Number	Rev	Description / Title	BOM Not
0	REF	pcs	97-174531	A.02 ECO-00039304	DRAWING, ELECT. EQUIP. FRAME ASSY, T6000 800W	
1	1	pcs	62-171082	A.02 ECO-00038929	POWER MONITOR AND RTU TESTED	
2	1	pcs	62-166977	A.01 MCO-00049240	ICU AND POWER SUPPLY MOUNTING ASSY, T6000	
3	2	pcs	62-174722	A ECO-00038013	BUC MOUNTING ASSY, T6000 800W	
4	2	pcs	62-167085	A.01 MCO-00049240	COAX FILTER ASSEMBLY, T6000	
5	1	pcs	62-175026	A ECO-00038058	PEDESTAL AC POWER KIT, T6000 800W	
6	1	pcs	62-166978	A.04 MCO-00049240	INTERFACE MOUNTING ASSY, T6000	
7	1	pcs	62-168745	A.01 MCO-00049240	MOTION PLATFORM ASSY, T6000	
30	1	pcs	62-174532	A.03 ECO-00038979	HARNESS KIT, TRACKER 6000 800W	NOT SHOWN
50	4	ea	119973-138	MCO-00012113	SCREW, SOCKET HD, M6 X 25, SS.	
51	8	ea	114589-136	MCO-00012113	SCREW, HEX HD M6X16	
58	12	ea	114580-250	MCO-00050675	WASHER, FLAT, M6, SS.	
59	4	ea	120089-251	MCO-00047258	NUT, HEX, M6, SS.	
62	14	ea	114593-207	MCO-00012113	SCREW, SOCKET HD, 1/4-20 x 3/4, SS.	
64	8	ea	114586-546	MCO-00012113	SCREW, HEX HD, 1/4-20 x 2-3/4, SS.	
65	28	ea	114586-537	MCO-00012113	SCREW, HEX HD, 1/4-20 x 3/4, SS.	
68	50	ea	114580-029	MCO-00012113	WASHER, FLAT, 1/4, SS.	
69	4	ea	114583-029	MCO-00012113	NUT, HEX, 1/4-20, SS.	
70	60	ea	114586-622	MCO-00012113	SCREW, HEX HD, 3/8-16 x 3/4, SS.	See sheet 1 of dwg p/n location.
78	60	ea	114580-031	MCO-00012114	WASHER, FLAT, 3/8, SS.	See sheet 1 of dwg p/n location.
80	4	ea	119973-108	MCO-00012113	SCREW. SOCKET HD, M4 X 8, SS.	
81	1	ea	119973-117	MCO-00018237	SCREW, SOCKET HD, M4 X 12, SS.	
82	1	ea	119973-118	MCO-00012113	SCREW, SOCKET HD, M4 X 16, SS.	

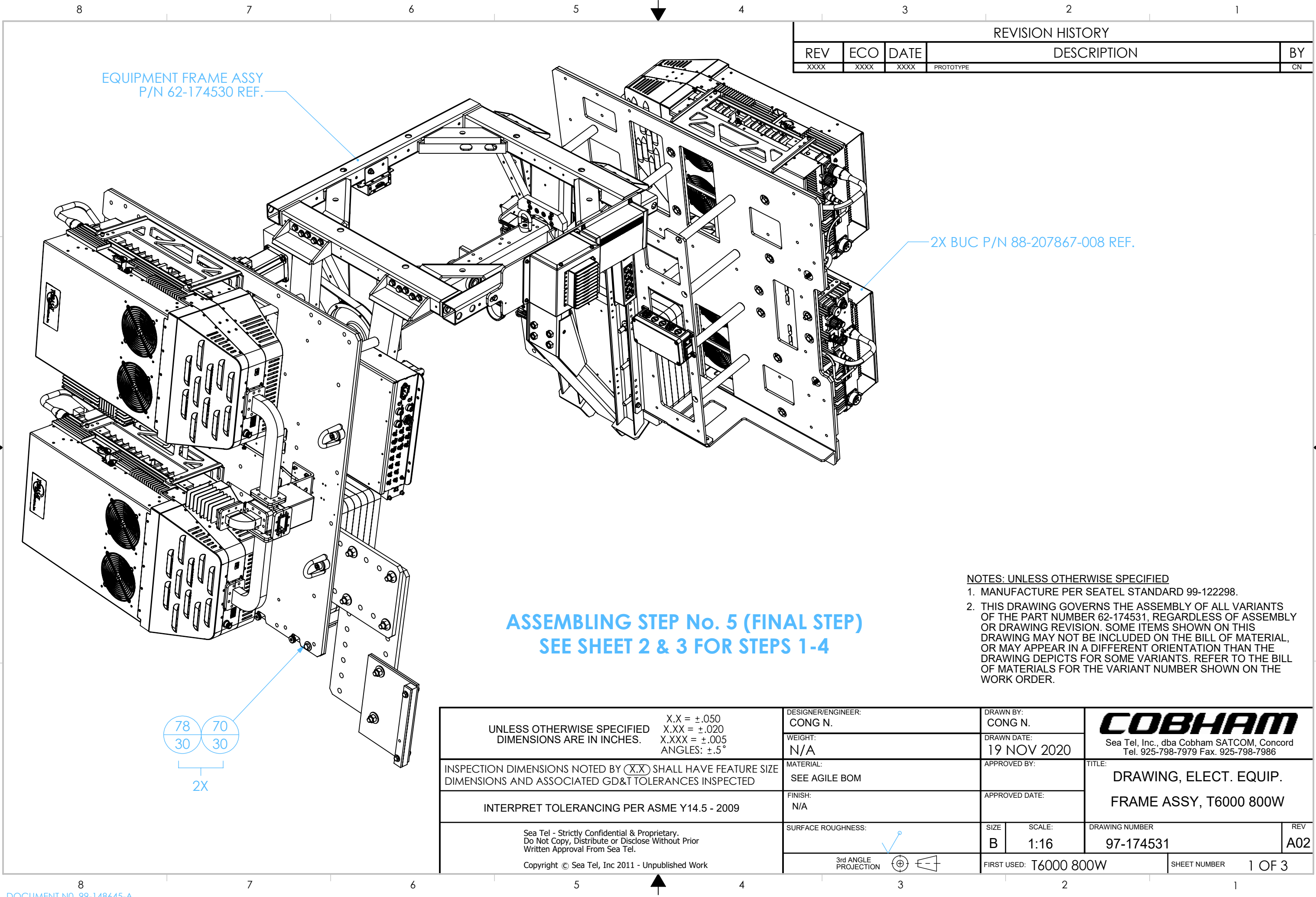
Created By: Mike Needham
Create Time: 03/24/2021 06:37:52 AM PDT

ORACLE BOM Explosion Report

Item Number: 62-174531
Description: ELECT. EQUIP. FRAME ASSY, T6000 800W
Item Revision: A.08 ECO-00039304
Date as of: 03/24/2021 06:36:42 AM PDT

Find Num	Qty	Inventory Unit (LN6)	Number	Rev	Description / Title	BOM Notes
85	7	ea	114580-230	MCO-00039541	WASHER, FLAT, M4, SS.	
86	1	ea	119952-230	MCO-00012114	WASHER, STAR, INTERNAL TOOTH, M4, SS.	
89	1	ea	120089-231	MCO-00012113	NUT, HEX, M4, SS.	
90	8	ea	114593-145	MCO-00012113	SCREW, SOCKET HD, 8-32 x 1/2, SS.	
95	8	ea	114580-010	MCO-00012113	WASHER, FLAT, #8, SMALL PATTERN, SS.	
		pcs	62-174531	A.08 ECO-00039304	ELECT. EQUIP. FRAME ASSY, T6000 800W	

Created By: Mike Needham
Create Time: 03/24/2021 06:37:52 AM PDT

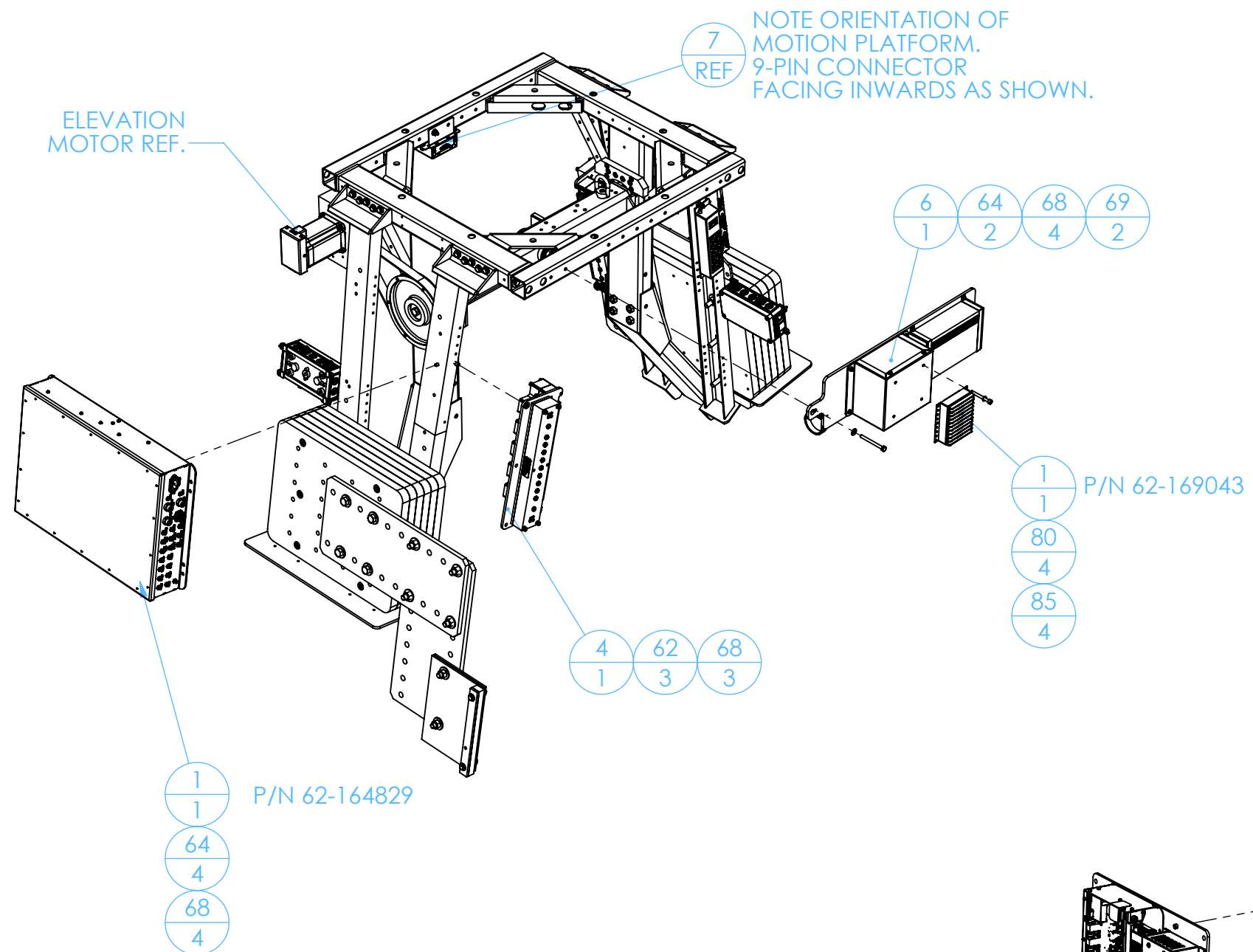


REVISION HISTORY				
REV	ECO	DATE	DESCRIPTION	BY
XXXX	XXXX	XXXX	PROTOTYPE	CN

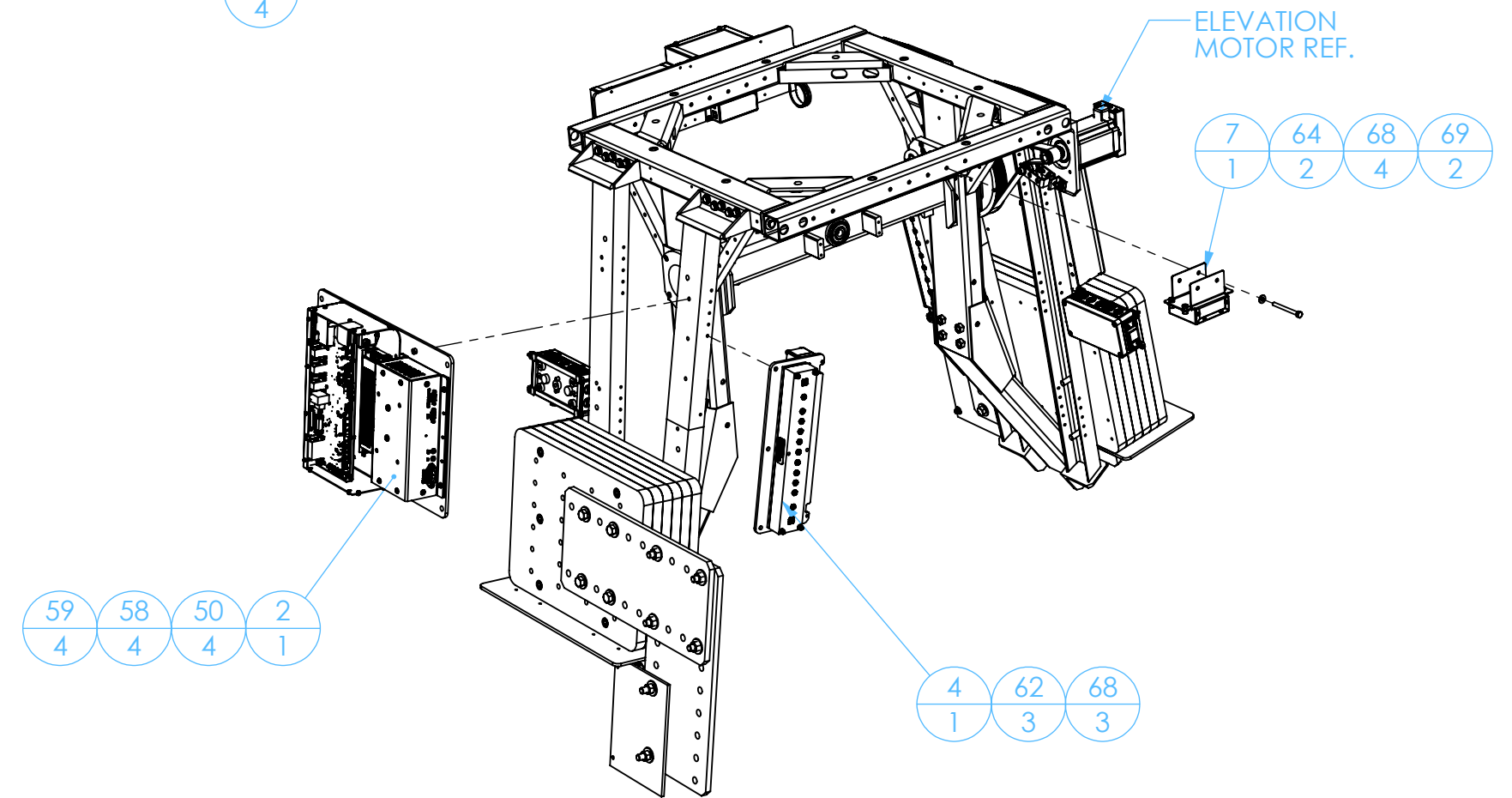
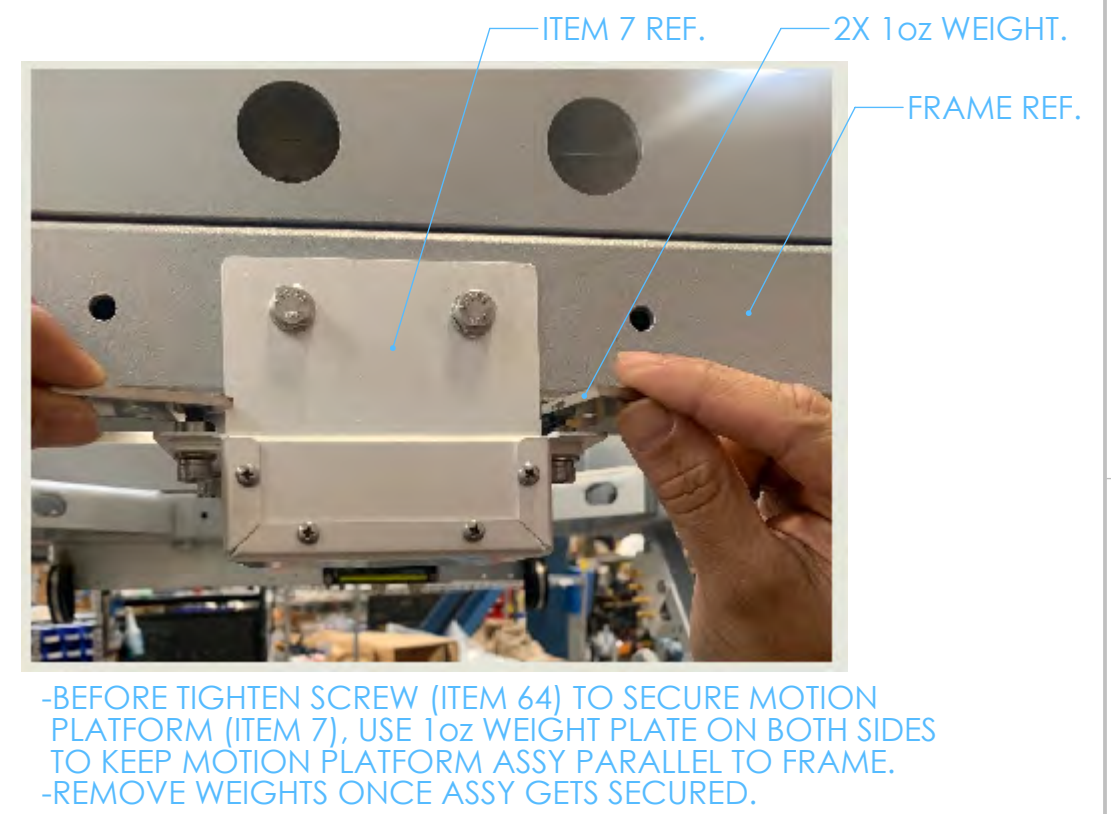
ASSEMBLING STEP No. 5 (FINAL STEP)
SEE SHEET 2 & 3 FOR STEPS 1-4

- NOTES: UNLESS OTHERWISE SPECIFIED
- 1. MANUFACTURE PER SEATEL STANDARD 99-122298.
 - 2. THIS DRAWING GOVERNS THE ASSEMBLY OF ALL VARIANTS OF THE PART NUMBER 62-174531, REGARDLESS OF ASSEMBLY OR DRAWING REVISION. SOME ITEMS SHOWN ON THIS DRAWING MAY NOT BE INCLUDED ON THE BILL OF MATERIAL, OR MAY APPEAR IN A DIFFERENT ORIENTATION THAN THE DRAWING DEPICTS FOR SOME VARIANTS. REFER TO THE BILL OF MATERIALS FOR THE VARIANT NUMBER SHOWN ON THE WORK ORDER.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. X.X = ±.050 X.XX = ±.020 X.XXX = ±.005 ANGLES: ±.5°	DESIGNER/ENGINEER: CONG N.	DRAWN BY: CONG N.		COBHAM Sea Tel, Inc., dba Cobham SATCOM, Concord Tel. 925-798-7979 Fax. 925-798-7986	
	WEIGHT: N/A	DRAWN DATE: 19 NOV 2020			
INSPECTION DIMENSIONS NOTED BY (X.X) SHALL HAVE FEATURE SIZE DIMENSIONS AND ASSOCIATED GD&T TOLERANCES INSPECTED	MATERIAL: SEE AGILE BOM	APPROVED BY:		TITLE: DRAWING, ELECT. EQUIP. FRAME ASSY, T6000 800W	
	FINISH: N/A	APPROVED DATE:			
INTERPRET TOLERANCING PER ASME Y14.5 - 2009					
Sea Tel - Strictly Confidential & Proprietary. Do Not Copy, Distribute or Disclose Without Prior Written Approval From Sea Tel. Copyright © Sea Tel, Inc 2011 - Unpublished Work	SURFACE ROUGHNESS:	SIZE B	SCALE: 1:16	DRAWING NUMBER 97-174531	REV A02
	3rd ANGLE PROJECTION	FIRST USED: T6000 800W		SHEET NUMBER 1 OF 3	

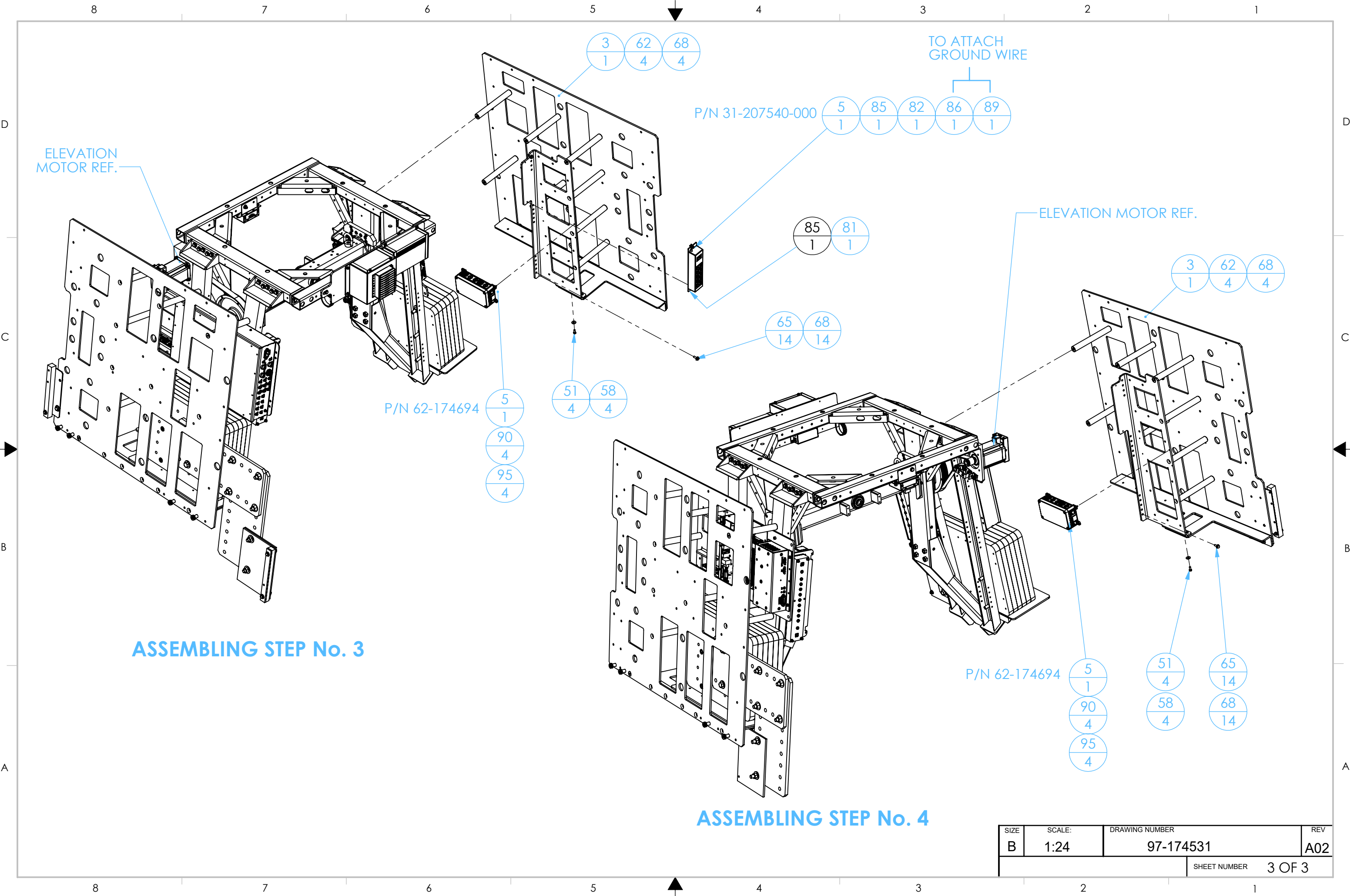


ASSEMBLING STEP No. 1



ASSEMBLING STEP No. 2

SIZE	SCALE:	DRAWING NUMBER	REV
B	1:24	97-174531	A02
		SHEET NUMBER	2 OF 3



SIZE	SCALE:	DRAWING NUMBER	REV
B	1:24	97-174531	A02
		SHEET NUMBER	3 OF 3

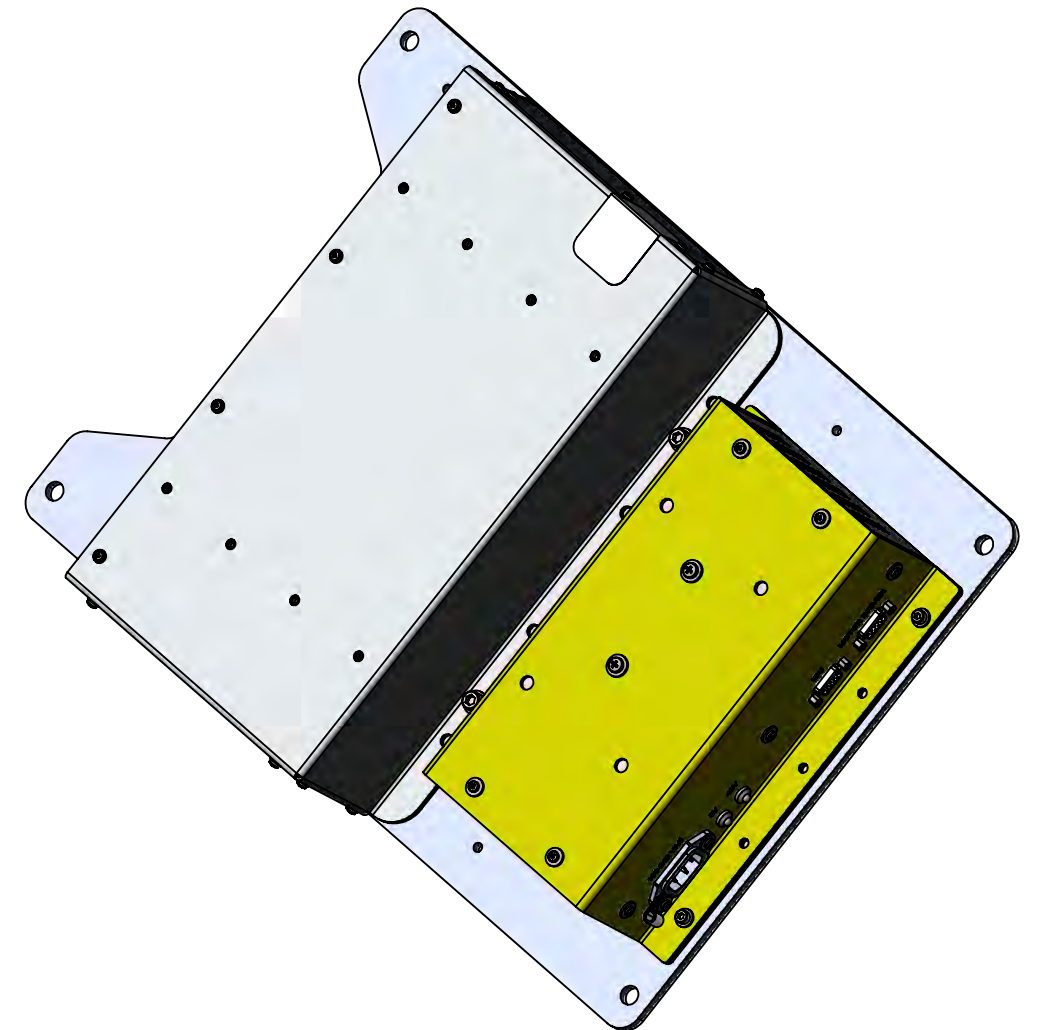
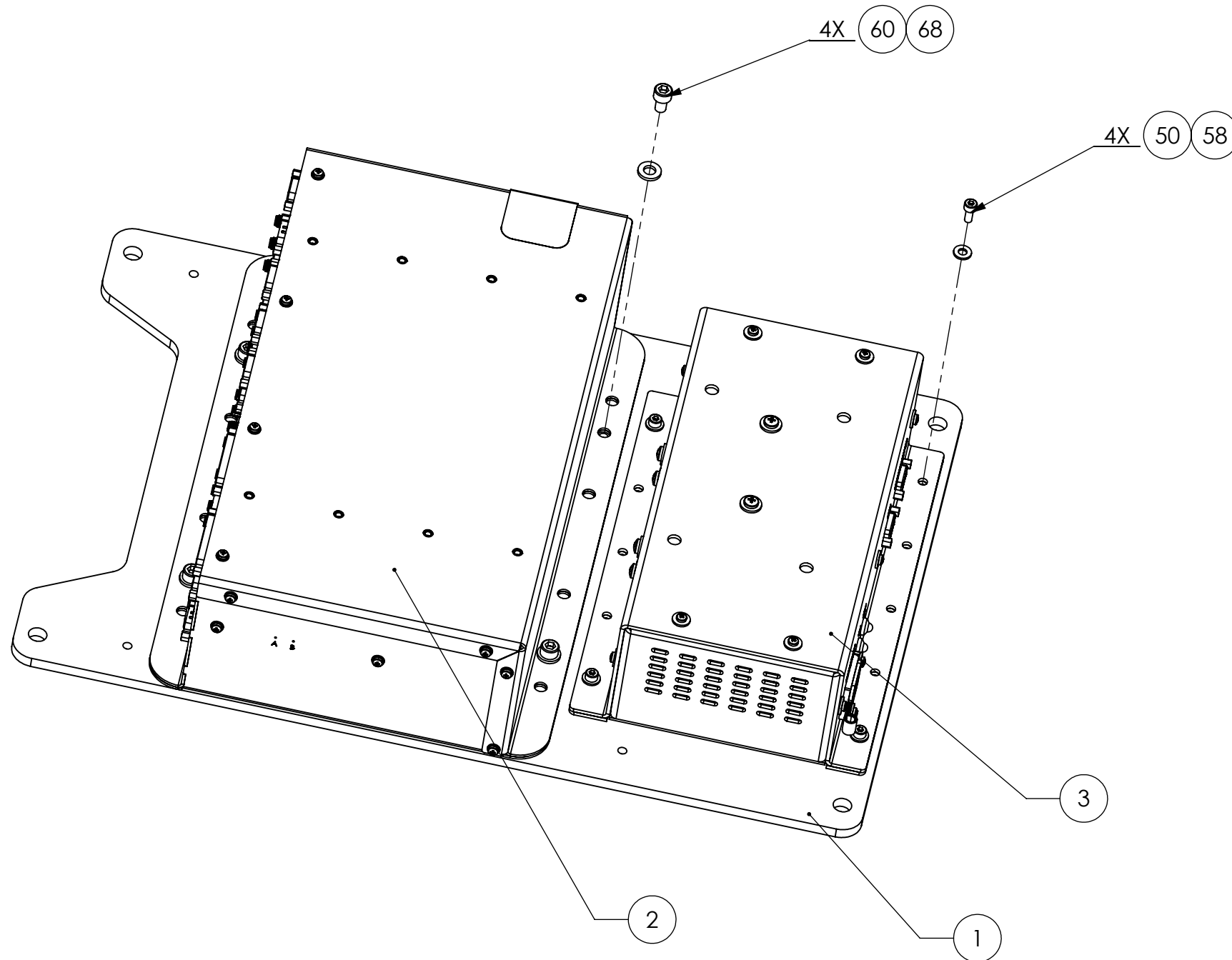
ORACLE BOM Explosion Report

Item Number: 62-166977
Description: ICU AND POWER SUPPLY MOUNTING ASSY, T6000
Item Revision: A.01 MCO-00049240
Date as of: 07/09/2020 11:46:54 AM PDT

Find Num	Qty	Inventory Unit (LN6)	Number	Rev	Description / Title	BOM Notes
0	REF	ea	97-166977	A.01 MCO-00049240	ASSY DRAWING, ICU AND POWER SUPPLY MOUNTING ASSY	
1	1	ea	41-164073-A	02 MCO-00049204	PLATE, ICU AND POWER SUPPLY MOUNTING, T6000	
2	1	pcs	62-164506	A.01 MCO-00046477	ENCLOSURE ASSY, ICU3,	
3	1	ea	62-169591	A.02 MCO-00049240	POWER SUPPLY ASSY, 48V, T6000	
50	4	ea	119973-116	MCO-00012113	SCREW, SOCKET HD, M4 X 10, SS.	
58	4	ea	114580-230	MCO-00039541	WASHER, FLAT, M4, SS.	
60	4	ea	119973-441	MCO-00012113	SCREW, SOCKET HD, M6 X 10, SS.	
68	4	ea	114580-250	MCO-00031530	WASHER, FLAT, M6, SS.	
		pcs	62-166977	A.01 MCO-00049240	ICU AND POWER SUPPLY MOUNTING ASSY, T6000	

Created By: Mike Needham
Create Time: 07/09/2020 11:47:16 AM PDT

REVISION HISTORY				
REV	ECO	DATE	DESCRIPTION	BY
01	33840	10/23/19	CHANGED MOUNTING PLATE DESIGN TO ACCOMODATE 48V POWER SUPPLY ALONG WITH ICU-3	MS



NOTES: UNLESS OTHERWISE SPECIFIED

1. MANUFACTURE PER SEATEL STANDARD 99-122298.
2. THIS DRAWING GOVERNS THE ASSEMBLY OF ALL VARIANTS OF THE PART NUMBER 62-166977, REGARDLESS OF ASSEMBLY OR DRAWING REVISION. SOME ITEMS SHOWN ON THIS DRAWING MAY NOT BE INCLUDED ON THE BILL OF MATERIAL, OR MAY APPEAR IN A DIFFERENT ORIENTATION THAN THE DRAWING DEPICTS FOR SOME VARIANTS. REFER TO THE BILL OF MATERIALS FOR THE VARIANT NUMBER SHOWN ON THE WORK ORDER.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.	X.X = $\pm .050$ X.XX = $\pm .020$ X.XXX = $\pm .005$ ANGLES: $\pm .5^\circ$	DESIGNER/ENGINEER: Designer/Engineer		DRAWN BY: MS		COBHAM Sea Tel, Inc., dba Cobham SATCOM, Concord Tel. 925-798-7979 Fax. 925-798-7986	
	WEIGHT: 13.1 lbs		DRAWN DATE: 5/31/19				
INSPECTION DIMENSIONS NOTED BY (X.X) SHALL HAVE FEATURE SIZE DIMENSIONS AND ASSOCIATED GD&T TOLERANCES INSPECTED	MATERIAL: N/A		APPROVED BY:		TITLE: ASSY DWG, ICU AND POWER SUPPLY MOUNTING ASSY		
	FINISH: N/A		APPROVED DATE:				
INTERPRET TOLERANCING PER ASME Y14.5 - 2009		SURFACE ROUGHNESS:		SIZE	SCALE:	DRAWING NUMBER	REV
Sea Tel - Strictly Confidential & Proprietary. Do Not Copy, Distribute or Disclose Without Prior Written Approval From Sea Tel. Copyright © Sea Tel, Inc 2011 - Unpublished Work		3rd ANGLE PROJECTION		B	1:2	97-166977	A01
				FIRST USED: T6000		SHEET NUMBER 1 OF 1	

ORACLE BOM Explosion Report

Item Number: 62-162996
Description: ANTENNA ASSY, T6000
Item Revision: A.03 MCO-00049561
Date as of: 07/09/2020 11:46:54 AM PDT

Find Num	Qty	Inventory Unit (LN6)	Number	Rev	Description / Title	BOM Notes
0	REF	pcs	97-162996	A.02 MCO-00049369	ANTENNA ASSY, T6000	
1	1	pcs	62-163000	A.05 MCO-00049343	FEED TOWER ASSY, T6000	
2	1	pcs	62-170933	A.01 MCO-00049369	REFLECTOR, 6M	
3	3	ea	41-166759-A	02 MCO-00049204	ABSORBER PLATE, OPENING, T6000 FEED	
21	3	ea	41-166762-A	01 MCO-00049204	ABSORBER, OPENING, T6000 FEED	
22	1	pcs	37-165004-A	01 MCO-00045413	WAVEGUIDE, WR159, MULTI BEND, T6000	
23	1	ea	41-166958-A	01 MCO-00049205	STRAP, WR159, T6000	
24	2	pcs	46-207221-001	MCO-00044595	WR112 UG-F/UG-G, RING COUPLER, 40dB, 6.7-7.1MHz	
25	2	pcs	46-207222-000	MCO-00042482	WR112 UG TO UG WAVEGUIDE ISOLATOR, 6.75 - 7.10 GHz	
50	8	ea	114593-145	MCO-00012113	SCREW, SOCKET HD, 8-32 x 1/2, SS.	
51	8	ea	114593-147	MCO-00012113	SCREW, SOCKET HD, 8-32 x 5/8, SS.	
58	8	ea	114580-009	MCO-00012113	WASHER, FLAT, #8, SS.	
60	2	ea	114593-162	MCO-00012113	SCREW, SOCKET HD, 10-32 x 3/8, SS.	
61	12	ea	114593-164	MCO-00037692	SCREW, SOCKET HD, 10-32 x 1/2, SS.	
68	14	ea	114580-011	MCO-00012113	WASHER, FLAT, #10, SS.	
70	8	ea	114593-206	MCO-00012113	SCREW, SOCKET HD, 1/4-20 x 5/8, SS.	
78	8	ea	114580-029	MCO-00012113	WASHER, FLAT, 1/4, SS.	
80	3	ea	51-207518-000	MCO-00044017	SCREW, FLAT HD, SOCKET, 1/2-13 x 2, SS.	
90	4	ea	123618-17	MCO-00012114	GASKET, WR-112, UG-52B/U (1/2)	
91	1	ea	41-123618-29	MCO-00044158	WR159 HALF CPRG WAVEGUIDE GASKET	
92	10	ea	53-207169-000	MCO-00046805	SHIM, 0.002" Thick, .5/8" ID, 1" OD	
93	5	ea	53-207170-000	MCO-00046805	SHIM, 0.005" Thick, .5/8" ID, 1" OD	
94	5	pcs	53-207171-000	MCO-00046805	SHIM, 0.010" Thick, .5/8" ID, 1" OD	
95	3	ea	53-207172-000	MCO-00046805	SHIM, 0.025" Thick, .5/8" ID, 1" OD	
		pcs	62-162996	A.03 ...	ANTENNA ASSY, T6000	

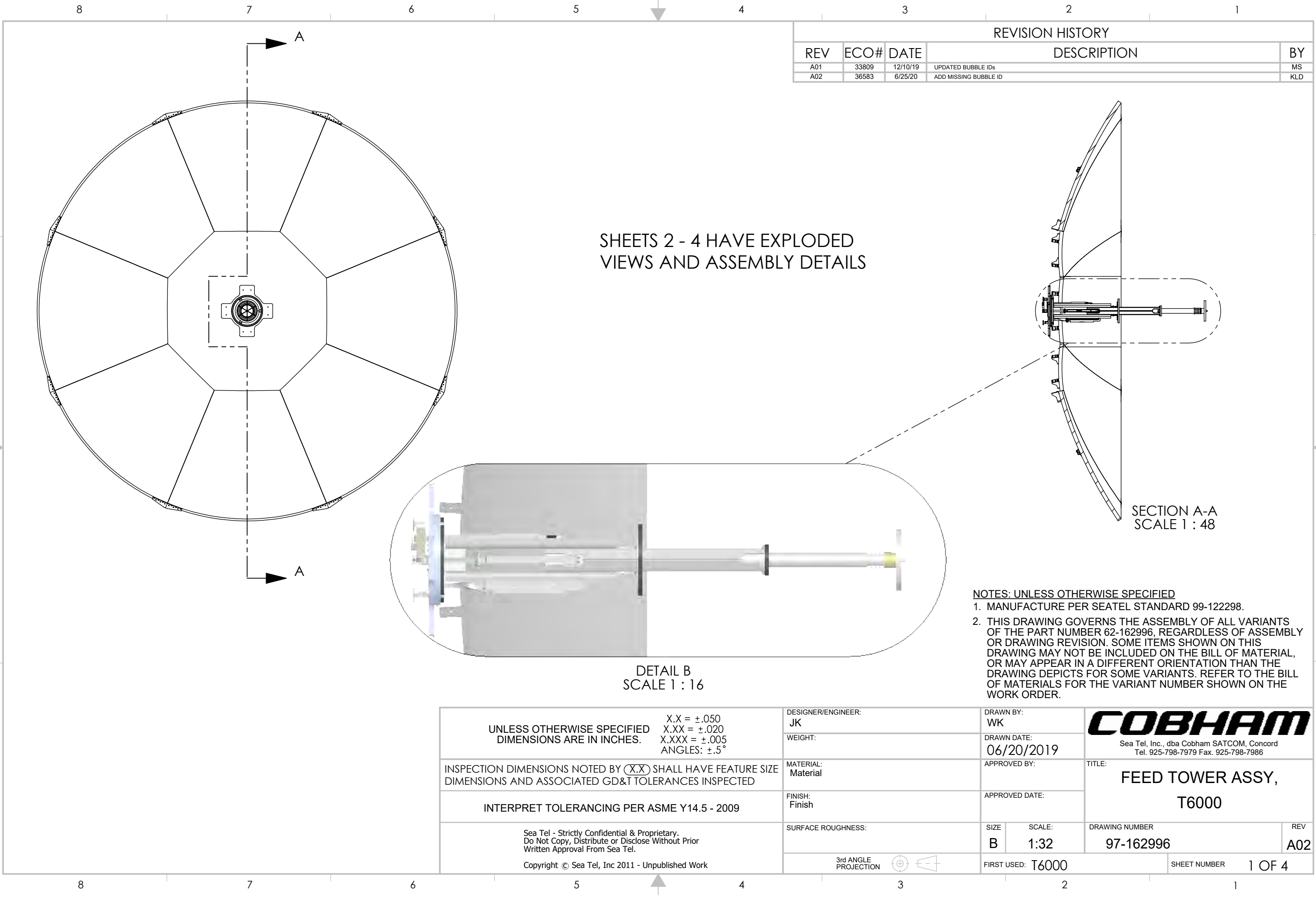
Created By: Mike Needham
Create Time: 07/09/2020 11:47:16 AM PDT

ORACLE BOM Explosion Report

Item Number: 62-162996
Description: ANTENNA ASSY, T6000
Item Revision: A.03 MCO-00049561
Date as of: 07/09/2020 11:46:54 AM PDT

Find Num	Qty	Inventory Unit (LN6)	Number	Rev	Description / Title	BOM Notes
				...MCO-00049561		

Created By: Mike Needham
Create Time: 07/09/2020 11:47:16 AM PDT



REVISION HISTORY				
REV	ECO#	DATE	DESCRIPTION	BY
A01	33809	12/10/19	UPDATED BUBBLE IDs	MS
A02	36583	6/25/20	ADD MISSING BUBBLE ID	KLD

SHEETS 2 - 4 HAVE EXPLODED
VIEWS AND ASSEMBLY DETAILS

SECTION A-A
SCALE 1 : 48

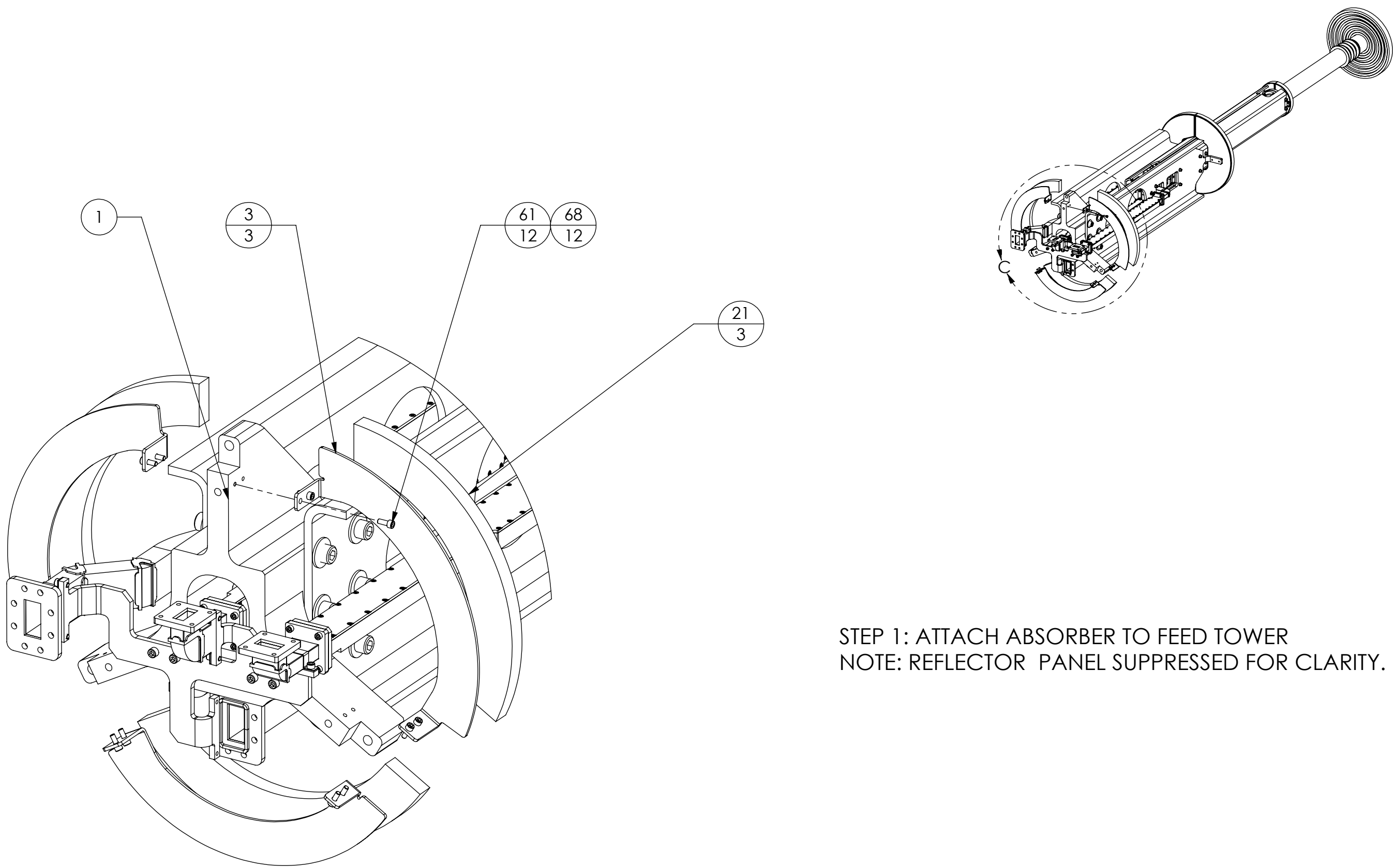
DETAIL B
SCALE 1 : 16

- NOTES: UNLESS OTHERWISE SPECIFIED
- 1. MANUFACTURE PER SEATEL STANDARD 99-122298.
 - 2. THIS DRAWING GOVERNS THE ASSEMBLY OF ALL VARIANTS OF THE PART NUMBER 62-162996, REGARDLESS OF ASSEMBLY OR DRAWING REVISION. SOME ITEMS SHOWN ON THIS DRAWING MAY NOT BE INCLUDED ON THE BILL OF MATERIAL, OR MAY APPEAR IN A DIFFERENT ORIENTATION THAN THE DRAWING DEPICTS FOR SOME VARIANTS. REFER TO THE BILL OF MATERIALS FOR THE VARIANT NUMBER SHOWN ON THE WORK ORDER.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.	X.X = ±.050 X.XX = ±.020 X.XXX = ±.005 ANGLES: ±.5°	DESIGNER/ENGINEER: JK	DRAWN BY: WK		COBHAM Sea Tel, Inc., dba Cobham SATCOM, Concord Tel. 925-798-7979 Fax. 925-798-7986	
	WEIGHT:	DRAWN DATE: 06/20/2019				
INSPECTION DIMENSIONS NOTED BY (X.X) SHALL HAVE FEATURE SIZE DIMENSIONS AND ASSOCIATED GD&T TOLERANCES INSPECTED	MATERIAL: Material	APPROVED BY:		TITLE: FEED TOWER ASSY, T6000		
	FINISH: Finish	APPROVED DATE:				
INTERPRET TOLERANCING PER ASME Y14.5 - 2009	SURFACE ROUGHNESS:	SIZE B	SCALE: 1:32	DRAWING NUMBER 97-162996		REV A02
Sea Tel - Strictly Confidential & Proprietary. Do Not Copy, Distribute or Disclose Without Prior Written Approval From Sea Tel.	3rd ANGLE PROJECTION	FIRST USED: T6000		SHEET NUMBER 1 OF 4		
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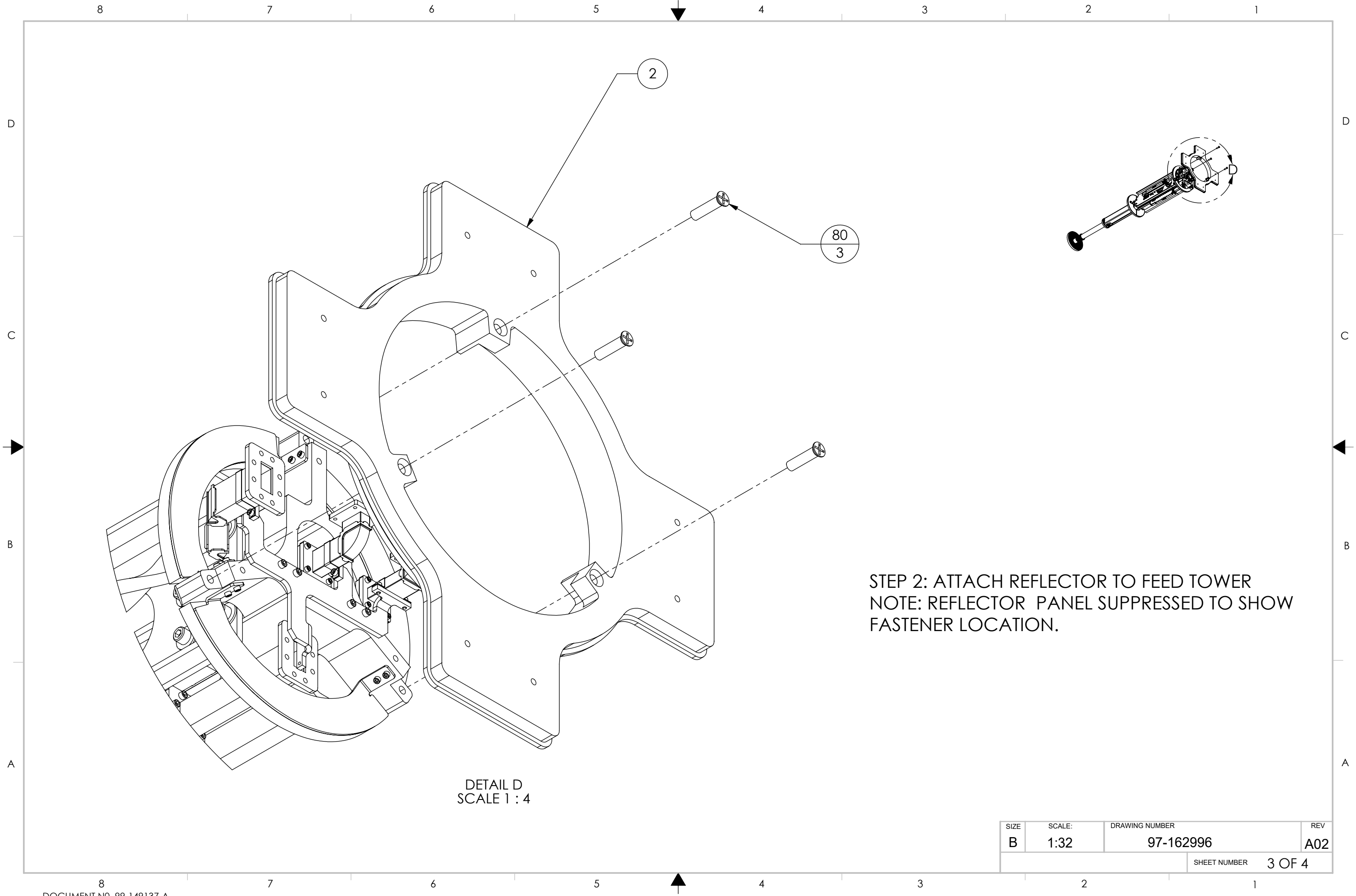
D
C
B
A



STEP 1: ATTACH ABSORBER TO FEED TOWER
NOTE: REFLECTOR PANEL SUPPRESSED FOR CLARITY.

DETAIL C
SCALE 1 : 4

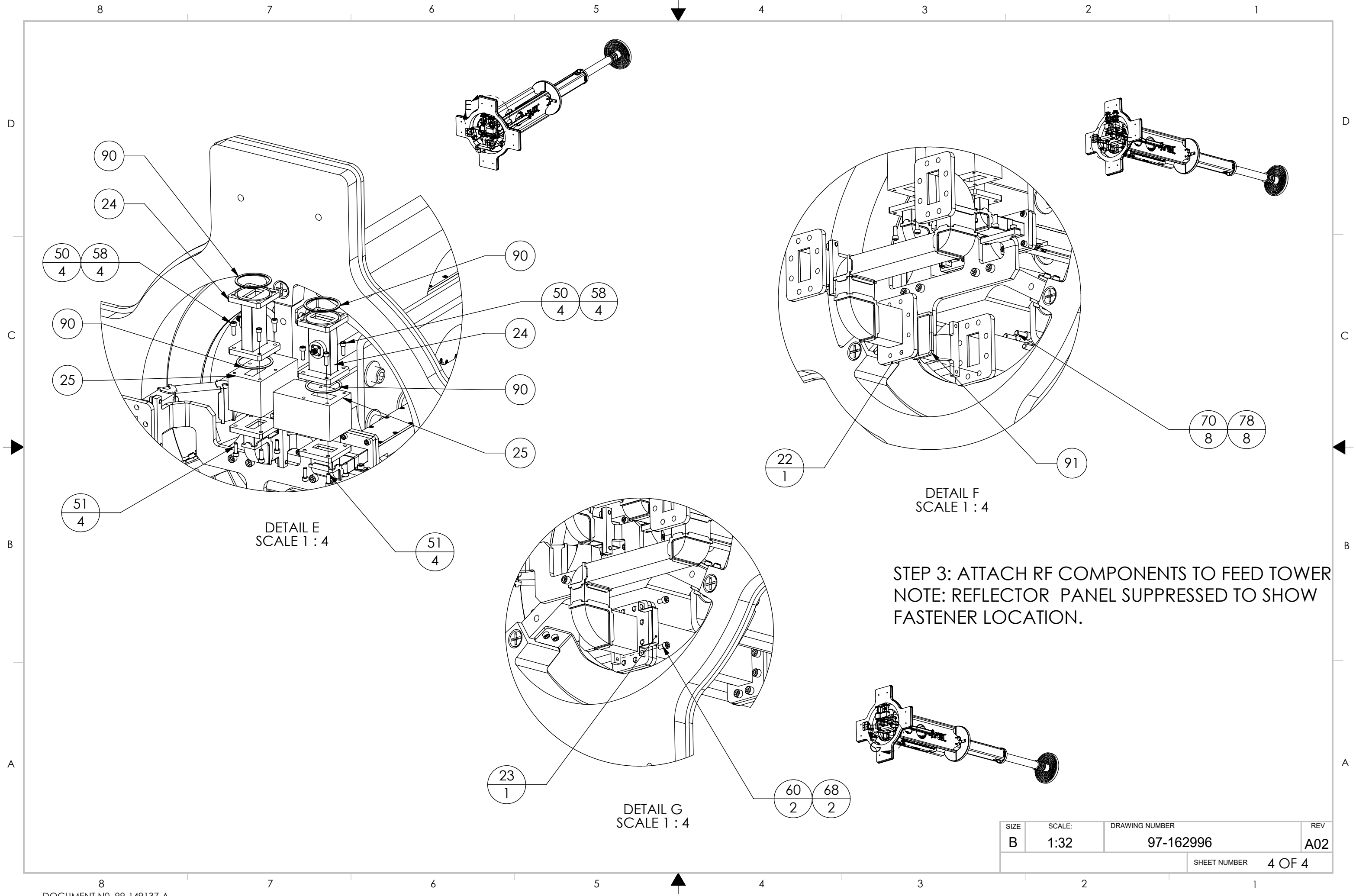
SIZE	SCALE:	DRAWING NUMBER	REV
B	1:32	97-162996	A02
		SHEET NUMBER	2 OF 4



DETAIL D
SCALE 1 : 4

STEP 2: ATTACH REFLECTOR TO FEED TOWER
NOTE: REFLECTOR PANEL SUPPRESSED TO SHOW
FASTENER LOCATION.

SIZE	SCALE:	DRAWING NUMBER	REV
B	1:32	97-162996	A02
		SHEET NUMBER	3 OF 4



SIZE	SCALE:	DRAWING NUMBER	REV
B	1:32	97-162996	A02
		SHEET NUMBER	4 OF 4

ORACLE BOM Explosion Report

Item Number: 62-163000
Description: FEED TOWER ASSY, T6000
Item Revision: A.05 MCO-00049343
Date as of: 07/09/2020 11:46:54 AM PDT

Find Num	Qty	Inventory Unit (LN6)	Number	Rev	Description / Title	BOM Notes
0	REF	pcs	97-163000	A.01 MCO-00049343	FEED TOWER ASSY, T6000	
1	1	pcs	62-166765	A.04 MCO-00049240	FEED TOWER, T6000 FEED	
2	2	pcs	46-163106-A	01 MCO-00049235	BAND PASS FILTER, WR112, 6.875 - 7.055 GHz	
3	2	pcs	46-163006-A	01 MCO-00049235	WR159 BAND PASS FILTER, 5-5.25 GHz	
4	1	pcs	41-167316-A	01 MCO-00049205	WAVEGUIDE, WR-112 UG, 90 DEG H-BEND,	
5	1	pcs	37-165007-A	01 MCO-00045413	WAVEGUIDE, WR112, E-BEND,1.26X2.98" T6000	
6	1	pcs	41-166956-A	01 MCO-00049205	WAVEGUIDE ELBOW, WR112, RECEIVE LINE, T6000	
7	1	pcs	37-165006-A	01 MCO-00045413	WAVEGUIDE, WR159, 7.94" EXTENTION, T6000	
8	1	pcs	37-165005-A	01 MCO-00045413	WAVEGUIDE, WR159, TWIST MULTI BEND, T6000	
10	1	ea	41-166955-A	02 MCO-00049205	BRACKET, WG MOUNT, FEED, T6000	
11	2	ea	115998-4	J.07 ECO-00034906	STRAP, RIGID WAVEGUIDE, WR-112 E	
12	1	ea	41-166958-A	01 MCO-00049205	STRAP, WR159, T6000	
13	2	ea	41-166760-A	01 MCO-00049204	ABSORBER PLATE, BOTTOM, T6000 FEED	
14	1	ea	41-166763-A	01 MCO-00049204	ABSORBER, BOTTOM, T6000 FEED	
15	2	ea	41-166761-A	01 MCO-00049204	ABSORBER PLATE, TOP, T6000 FEED	
16	1	ea	41-166764-A	01 MCO-00049204	ABSORBER, TOP, T6000 FEED	
50	4	pcs	51-207503-000	MCO-00042655	SCREW, FLAT HD, SKT DRV, 8-32 X 7/16 IN	
51	8	ea	114593-145	MCO-00012113	SCREW, SOCKET HD, 8-32 x 1/2, SS.	

Created By: Mike Needham
Create Time: 07/09/2020 11:47:16 AM PDT

ORACLE BOM Explosion Report

Item Number: 62-163000
Description: FEED TOWER ASSY, T6000
Item Revision: A.05 MCO-00049343
Date as of: 07/09/2020 11:46:54 AM PDT

Find Num	Qty	Inventory Unit (LN6)	Number	Rev	Description / Title	BOM Notes
52	4	pcs	51-207502-000	MCO-00042655	SCREW, FLAT HD, SKT DRV, 8-32 X 9/16 IN	
53	6	ea	114593-147	MCO-00012113	SCREW, SOCKET HD, 8-32 x 5/8, SS.	
58	30	ea	114580-009	MCO-00012113	WASHER, FLAT, #8, SS.	
60	6	ea	114593-162	MCO-00012113	SCREW, SOCKET HD, 10-32 x 3/8, SS.	
68	6	ea	114580-011	MCO-00012113	WASHER, FLAT, #10, SS.	
71	28	ea	114593-206	MCO-00012113	SCREW, SOCKET HD, 1/4-20 x 5/8, SS.	
72	4	ea	114593-207	MCO-00012113	SCREW, SOCKET HD, 1/4-20 x 3/4, SS.	
73	4	ea	114592-539	MCO-00012113	STUD, FULLY THREADED, 1/4-20 x 7/8, SS.	
78	38	ea	114580-029	MCO-00012113	WASHER, FLAT, 1/4, SS.	
79	4	ea	114583-029	MCO-00012113	NUT, HEX, 1/4-20, SS.	
80	5	ea	123618-17	MCO-00012114	GASKET, WR-112, UG-52B/U (1/2)	
81	4	ea	41-123618-29	MCO-00044158	WR159 HALF CPRG WAVEGUIDE GASKET	
		pcs	62-163000	A.05 MCO-00049343	FEED TOWER ASSY, T6000	

Created By: Mike Needham
Create Time: 07/09/2020 11:47:16 AM PDT