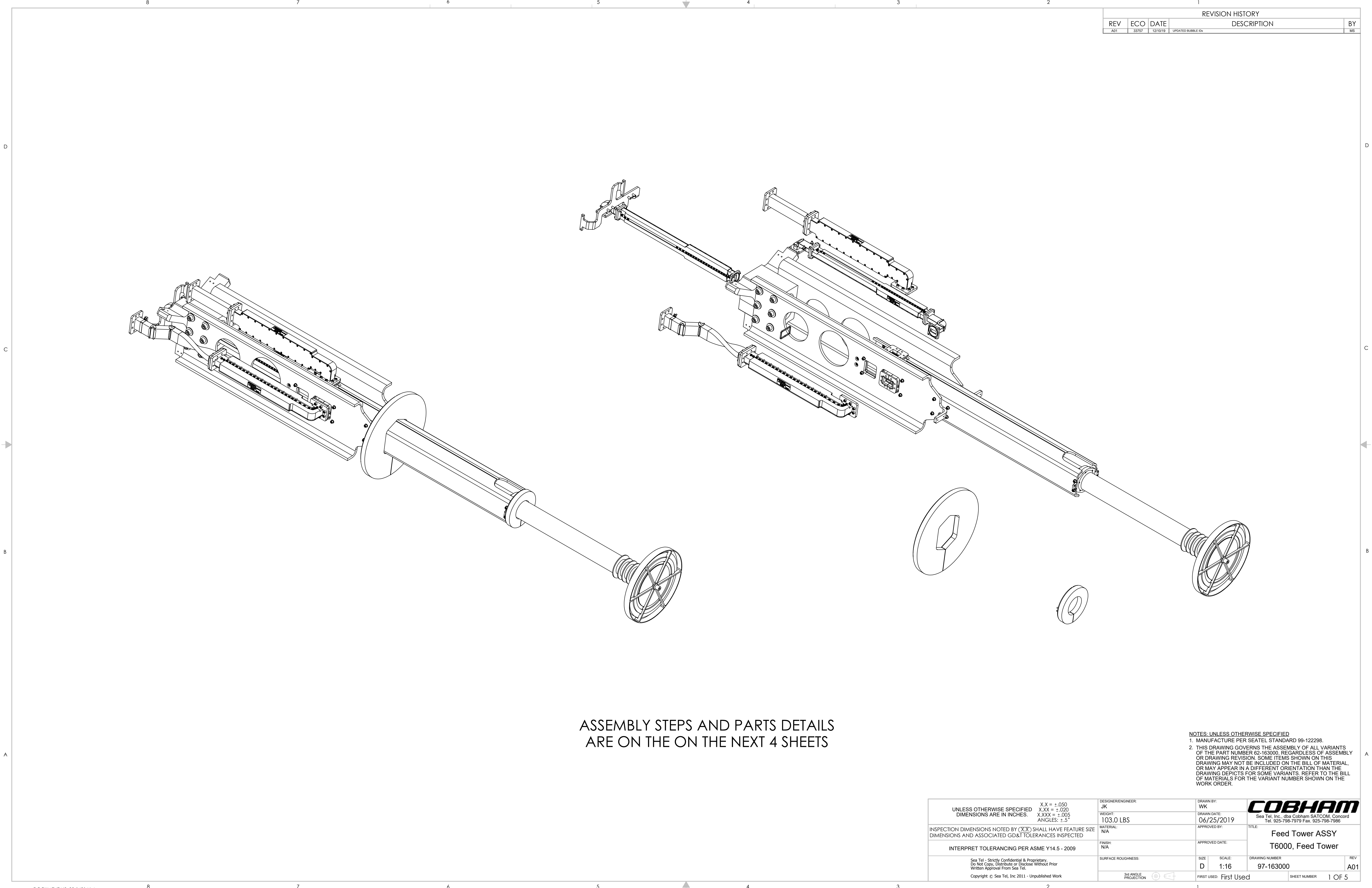
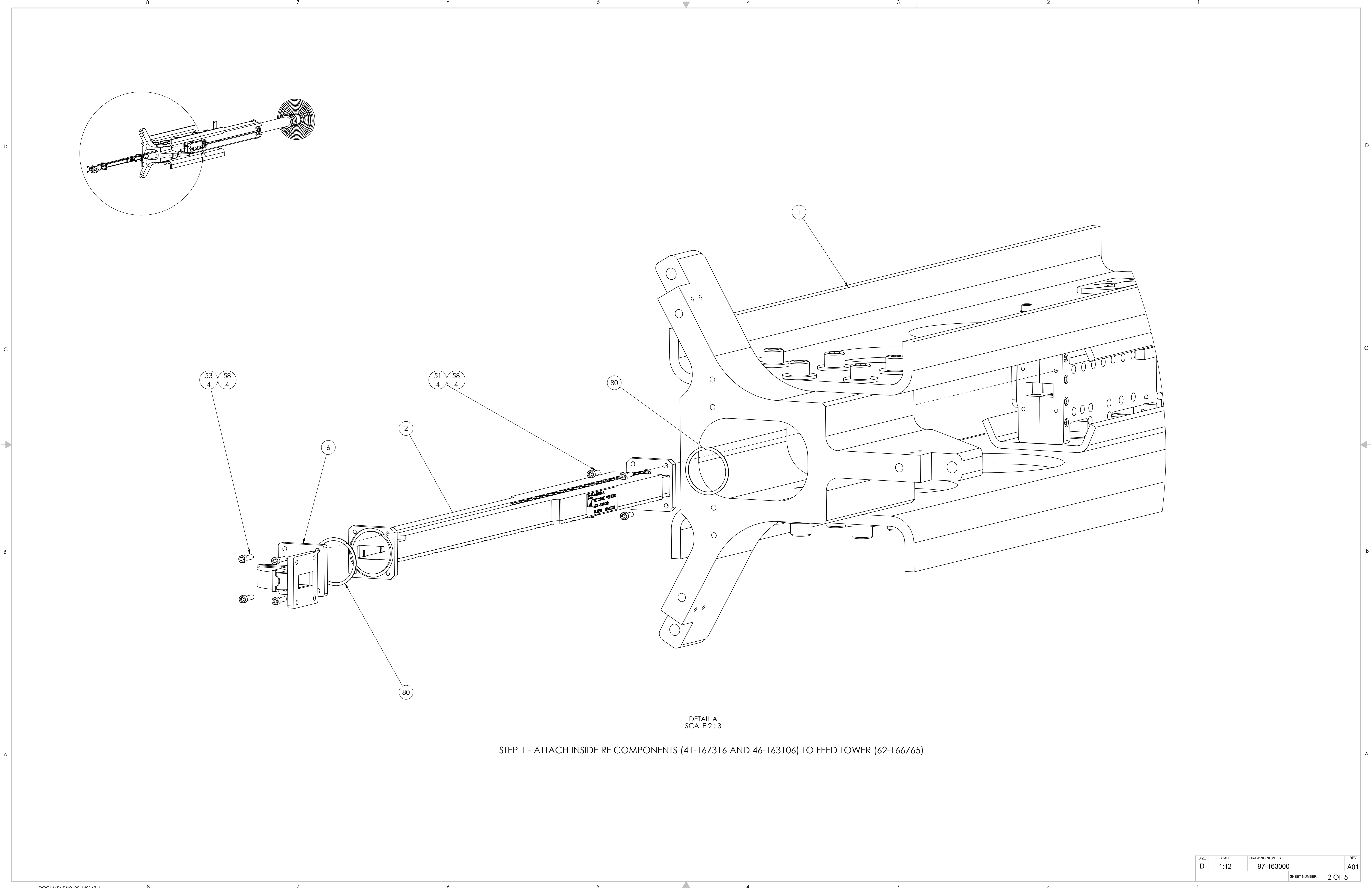




ASSEMBLY STEPS AND PARTS DETAILS
ARE ON THE ON THE NEXT 4 SHEETS

NOTES: UNLESS OTHERWISE SPECIFIED
1. MANUFACTURE PER SEATEL STANDARD 99-122298.
2. THIS DRAWING GOVERNS THE ASSEMBLY OF ALL VARIANTS OF THE PART NUMBER 62-163000, 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.

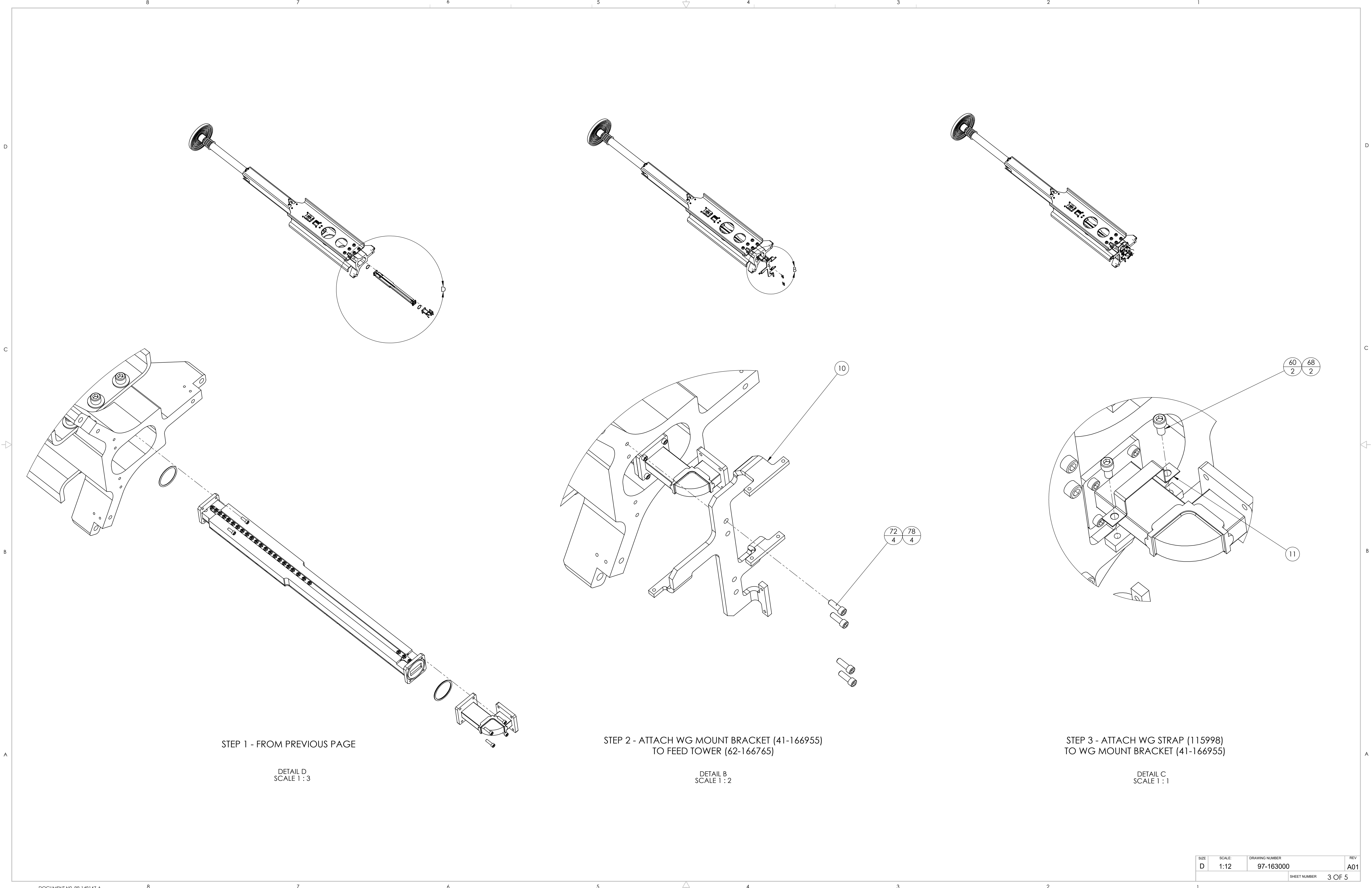
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. X.X = ±.050 X.XX = ±.020 X.XXX = ±.005 ANGLES: ±.5°	DESIGNER/ENGINEER: JK WEIGHT: 103.0 LBS MATERIAL: N/A FINISH: N/A	DRAWN BY: WK DRAWN DATE: 06/25/2019 APPROVED BY:	COBHAM Sea Tel, Inc. dba Cobham SATCOM, Concord Tel. 925-798-7979 Fax. 925-798-7986 TITLE: Feed Tower ASSY T6000, Feed Tower
INSPECTION DIMENSIONS NOTED BY (XX) SHALL HAVE FEATURE SIZE DIMENSIONS AND ASSOCIATED GD&T TOLERANCES INSPECTED	SURFACE ROUGHNESS: 3rd ANGLE PROJECTION	APPROVED DATE:	DRAWING NUMBER 97-163000
INTERPRET TOLERANCING PER ASME Y14.5 - 2009		SIZE D 1:16	
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 Copyright © Sea Tel, Inc 2011 - Unpublished Work		FIRST USED: First Used	REV A01
		SHEET NUMBER 1 OF 5	

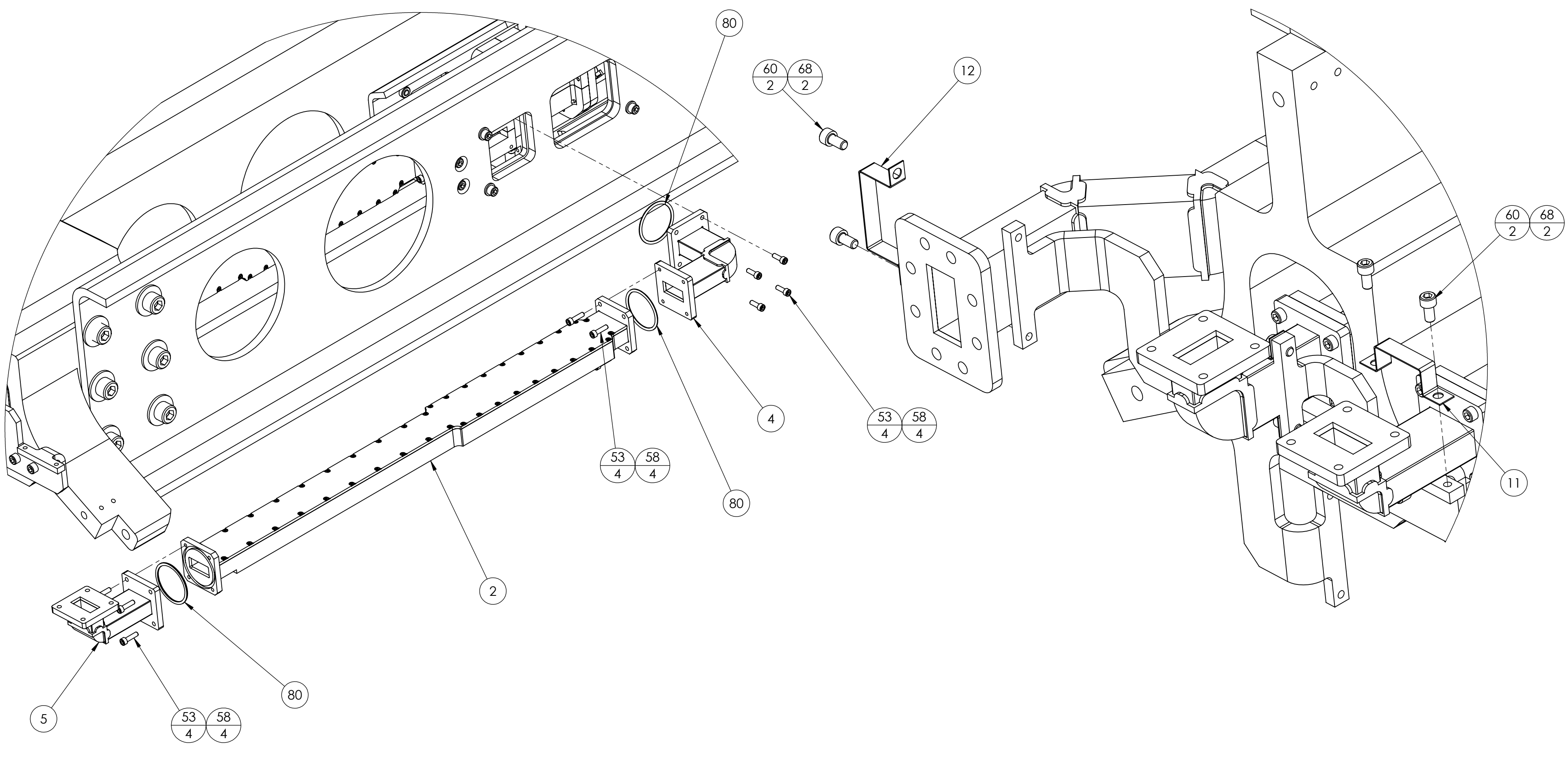
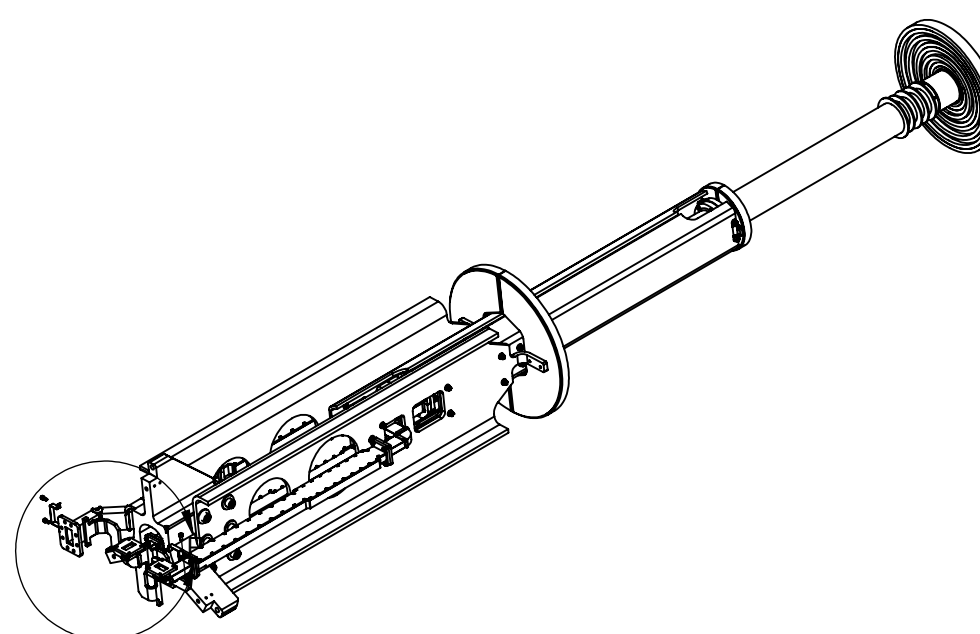


DETAIL A
SCALE 2 : 3

STEP 1 - ATTACH INSIDE RF COMPONENTS (41-167316 AND 46-163106) TO FEED TOWER (62-166765)

SIZE	SCALE	DRAWING NUMBER	REV
D	1:12	97-163000	A01
		SHEET NUMBER	2 OF 5

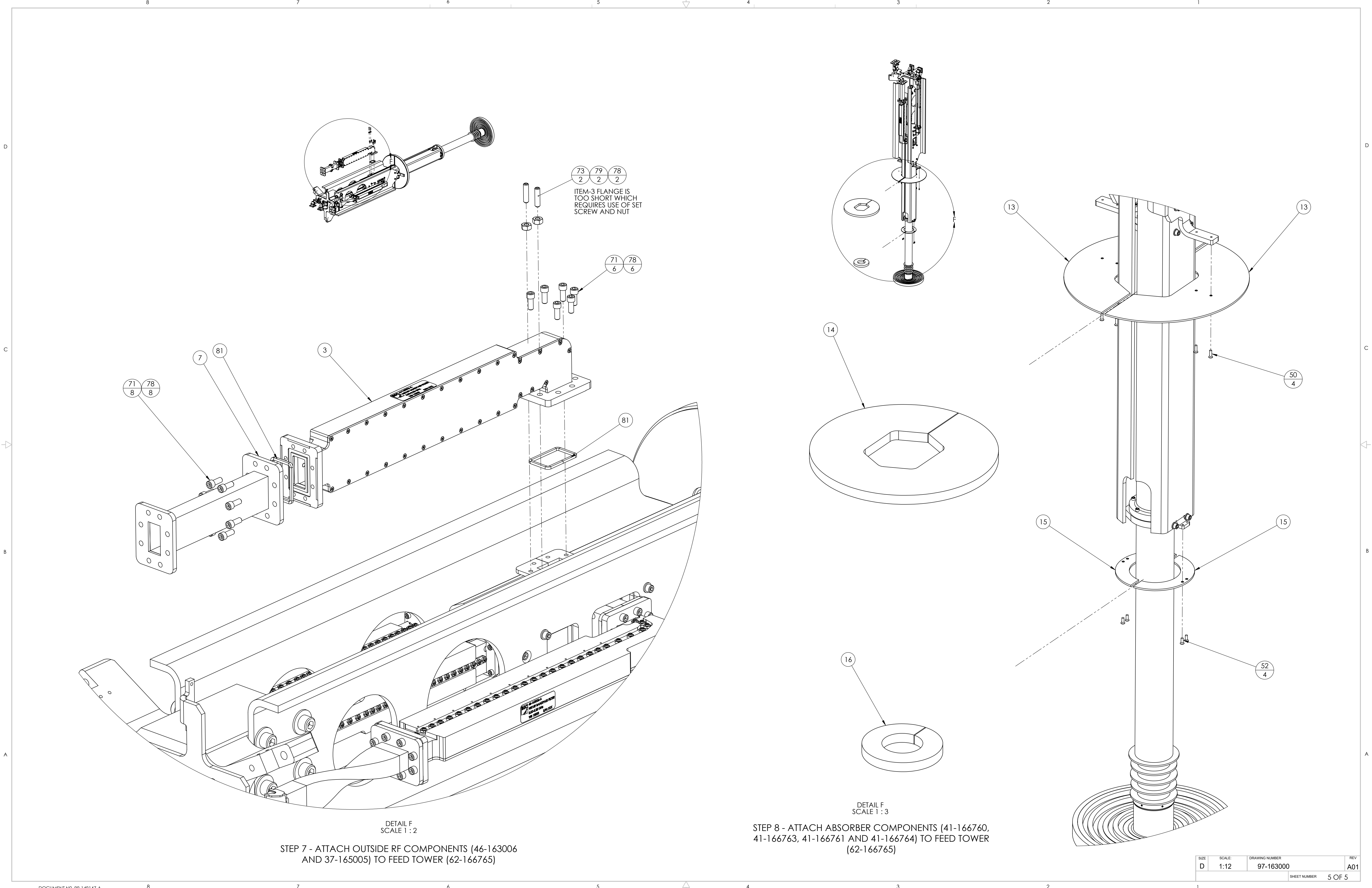




STEP 6 - ATTACH WG STRAPS (115998 AND 41-166958) TO WG MOUNT BRACKET (41-166955)

DETAIL E
SCALE 1 : 1.5

DOCUMENT NO. 99-149147-A

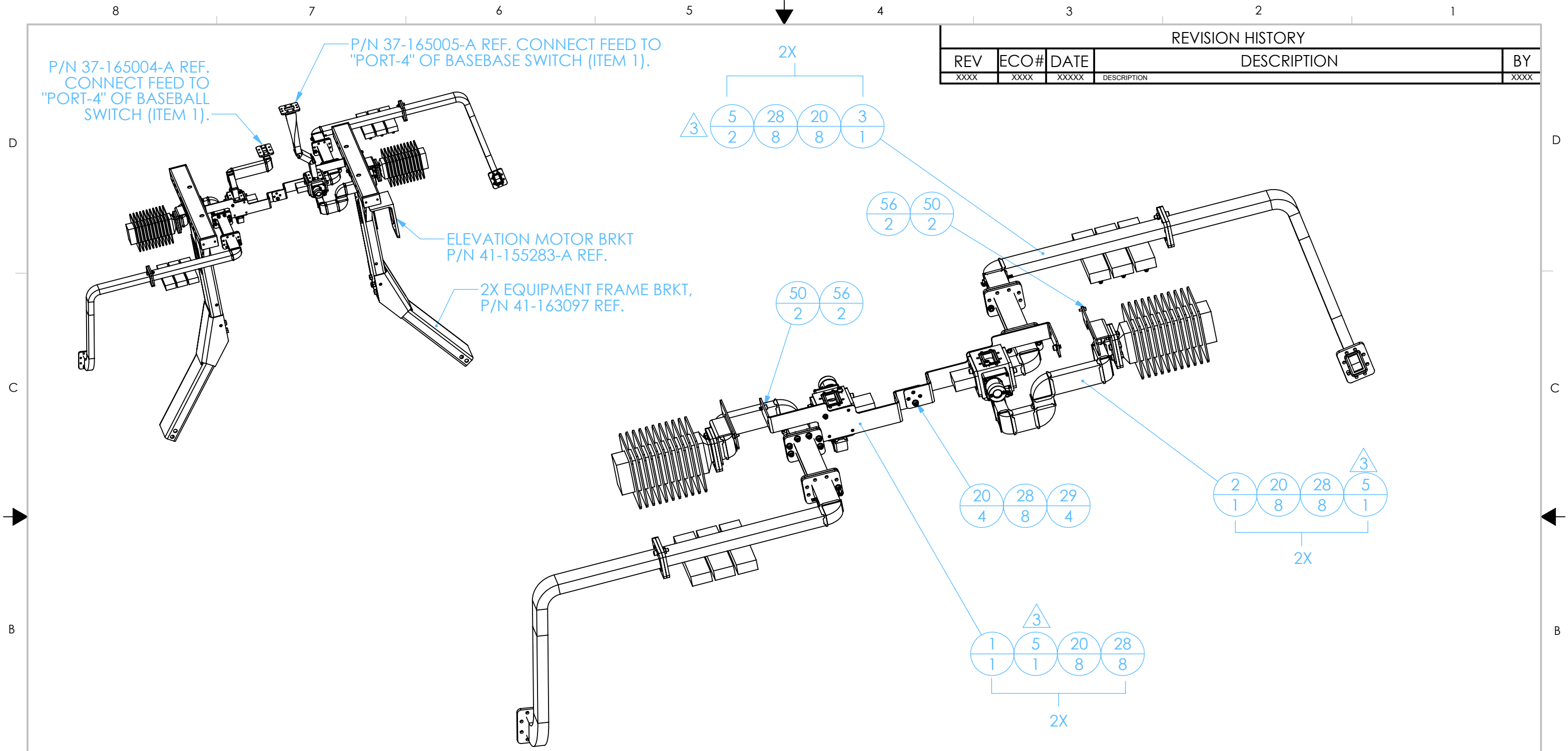


ORACLE BOM Explosion Report

Item Number: 62-174535
Description: TX WAVEGUIDE RUN KIT, T6000 800W
Item Revision: A.05 ECO-00038911
Date as of: 03/24/2021 06:36:42 AM PDT

Find Num	Qty	Inventory Unit (LN6)	Number	Rev	Description / Title	BOM Notes
0	REF	pcs	97-174535	A.01 ECO-00038911	ASSY DRAWING, TX WAVEGUIDE RUN KIT, T6000 800 W	
1	2	pcs	62-163005	A.01 MCO-00049343	BASEBALL SWITCH SUB ASSY, WR159	
2	2	pcs	62-174695	A.01 ECO-00038589	HIGH POWER LOAD TERMINATION ASSY, T6000 800W	
3	2	pcs	62-174536	A.02 ECO-00038020	WAVEGUIDE ASSY, BUC TO COUPLER, T6000 800W	
5	8	ea	41-123618-29	MCO-00044158	WR159 HALF CPRG WAVEGUIDE GASKET	
20	52	ea	114593-206	MCO-00012113	SCREW, SOCKET HD, 1/4-20 x 5/8, SS.	
28	56	ea	114580-029	MCO-00012113	WASHER, FLAT, 1/4, SS.	
29	4	ea	114583-029	MCO-00012113	NUT, HEX, 1/4-20, SS.	
50	4	ea	114589-133	MCO-00012113	SCREW, HEX HD M6X10	
56	4	ea	114580-250	MCO-00050675	WASHER, FLAT, M6, SS.	
		pcs	62-174535	A.05 ECO-00038911	TX WAVEGUIDE RUN KIT, T6000 800W	

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

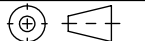


REVISION HISTORY				
REV	ECO#	DATE	DESCRIPTION	BY
XXXX	XXXX	XXXXX	DESCRIPTION	XXXX

NOTES: UNLESS OTHERWISE SPECIFIED

- MANUFACTURE PER SEATEL STANDARD 99-122298.
- THIS DRAWING GOVERNS THE ASSEMBLY OF ALL VARIANTS OF THE PART NUMBER 62-174535. 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.

3 PUT WAVEGUIDE GASKET FIRST BEFORE STARTING MAIN ASSY

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: 16 NOV 20			
INSPECTION DIMENSIONS NOTED BY (X.X) SHALL HAVE FEATURE SIZE DIMENSIONS AND ASSOCIATED GD&T TOLERANCES INSPECTED	MATERIAL: SEE AGILE BOM	APPROVED BY:		TITLE: ASSY DRAWING, TX WAVEGUIDE RUN KIT, T6000 800 W	
	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 97-174535	REV A01
		FIRST USED: T6000 800 W		SHEET NUMBER 1 OF 1	

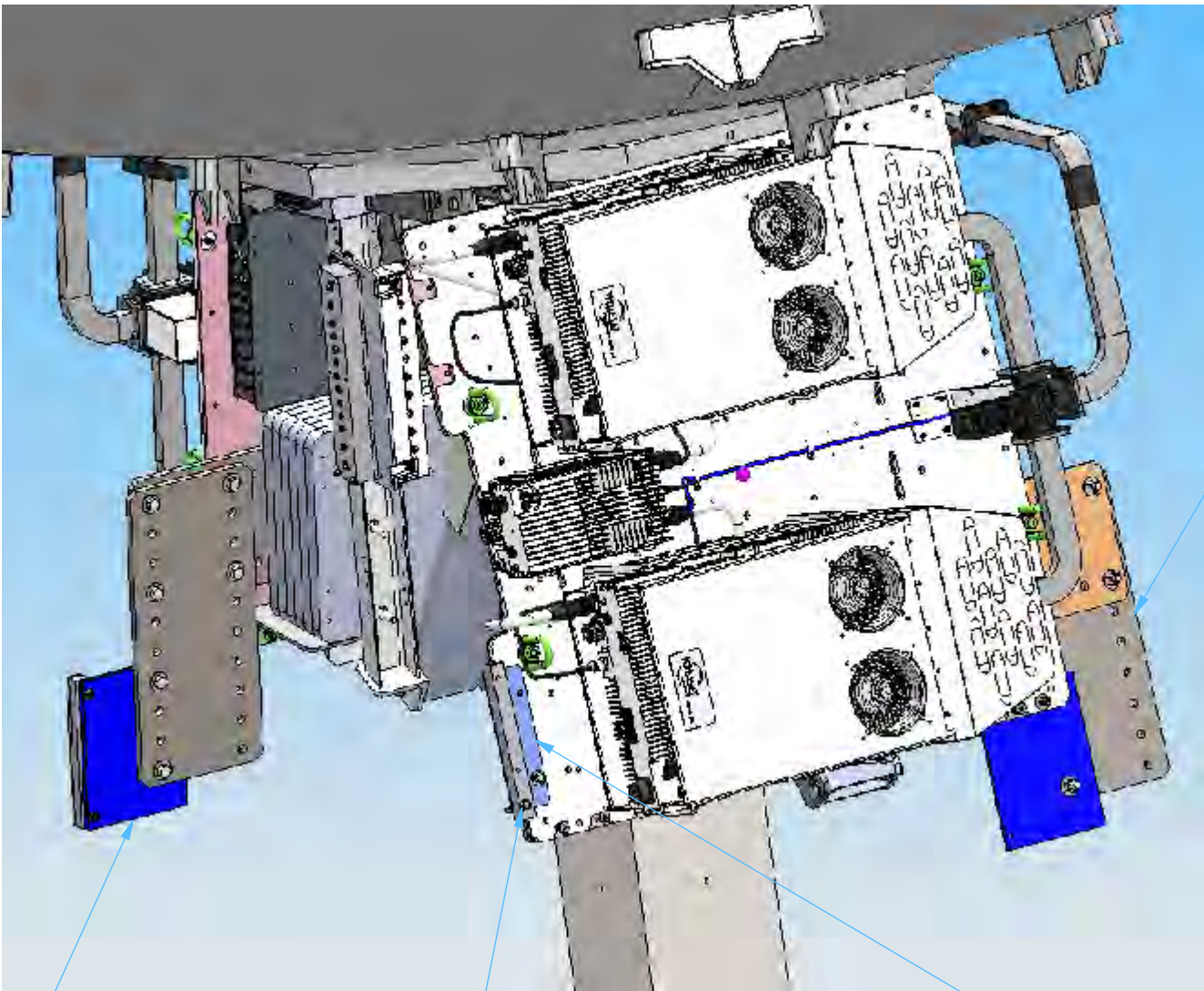
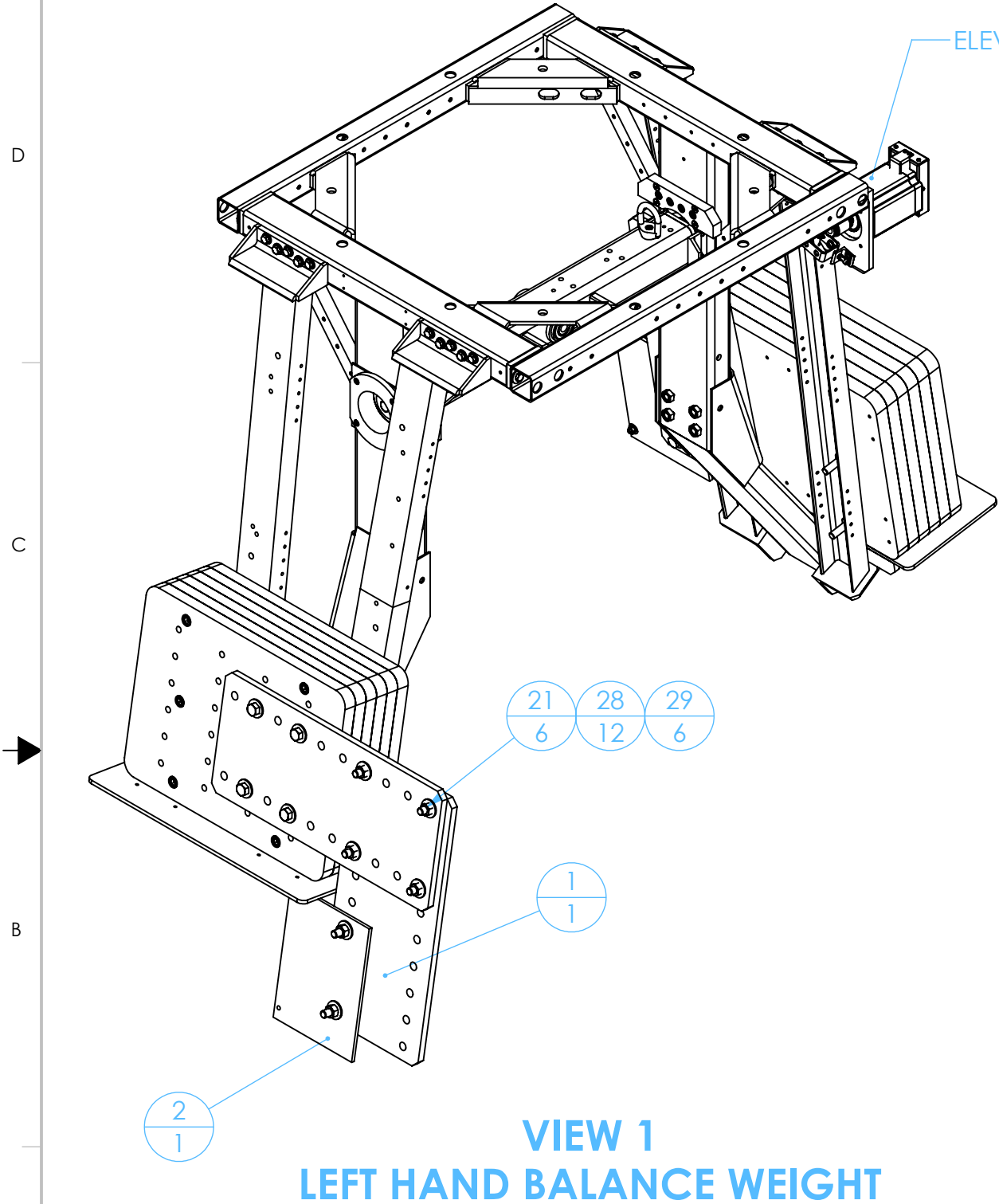
ORACLE BOM Explosion Report

Item Number: 62-174998
Description: KIT, BALANCE WEIGHT, T6000 800W
Item Revision: A ECO-00038889
Date as of: 03/24/2021 06:36:42 AM PDT

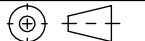
Find Num	Qty	Inventory Unit (LN6)	Number	Rev	Description / Title	BOM Notes
0	REF	pcs	97-174998	A ECO-00038890	ASSY DRAWING, BALANCE WEIGHT, T6000 800W	
1	2	ea	41-174965-A	02 ECO-00038588	WEIGHT, MOUNTING PLATE, 25LBS	
2	3	ea	108724-4	C.02 MCO-00015435	PLATE, COUNTER WEIGHT, 1/4 X 7-1/4 X 10	
3	1	ea	108894-6	G.02 ECO-00008542	WEIGHT, TRIM, 3/4 X 1 X 10, 2.1 LBS	
4	1	ea	108894-1	G.02 ECO-00008542	WEIGHT, TRIM, 1/4 X 1 X 10, .71 LBS	
5	1	ea	41-175688-A	01 ECO-00038800	BRKT, MTG, WEIGHT, TRIM, 800W	
6	1	ea	108894-7	G.02 ECO-00008542	WEIGHT, TRIM, 1 X 1 X 10, 2.8 LBS	
10	2	ea	114586-542	MCO-00012113	SCREW, HEX HD, 1/4-20 x 1-3/4, SS.	
11	2	ea	114586-543	MCO-00012113	SCREW, HEX HD, 1/4-20 x 2, SS.	
18	8	ea	114580-029	MCO-00012113	WASHER, FLAT, 1/4, SS.	
19	4	ea	114583-029	MCO-00012113	NUT, HEX, 1/4-20, SS.	
21	12	ea	114586-676	MCO-00012113	SCREW, HEX HD, 1/2-13 x 2, SS.	
28	24	ea	53-207137-500	MCO-00032624	WASHER, FLAT, 1/2, 1.250 OD, 18-8, ASTM A380	
29	12	ea	114583-033	MCO-00012113	NUT, HEX, 1/2-13, SS.	
31	2	ea	114586-623	MCO-00012114	SCREW, HEX HD, 3/8-16 x 1, SS.	
32	2	ea	114580-031	MCO-00012114	WASHER, FLAT, 3/8, SS.	
		ea	62-174998	A ECO-00038889	KIT, BALANCE WEIGHT, T6000 800W	

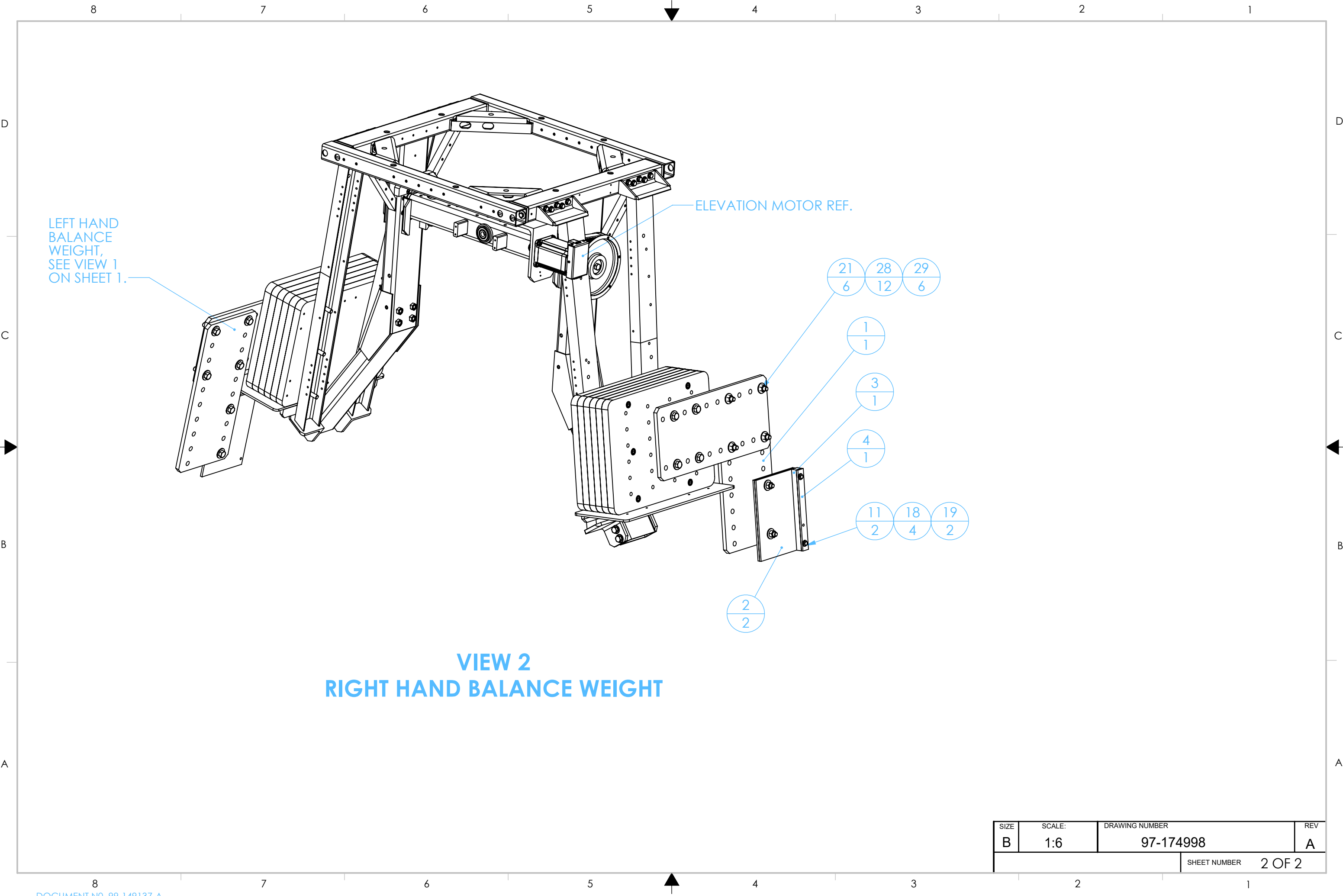
Created By: Mike Needham
Create Time: 03/24/2021 06:37:52 AM PDT

REVISION HISTORY				
REV	ECO	DATE	DESCRIPTION	BY
XX	XXXXX	XXXXX	XXXXX	XX



- NOTES: UNLESS OTHERWISE SPECIFIED
1. MANUFACTURE PER SEATEL STANDARD 99-122298.
 2. THIS DRAWING GOVERNS THE ASSEMBLY OF ALL VARIANTS OF THE PART NUMBER 62-174998, 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.
 3. COUNTERWEIGHTS SHOWN ARE STARTING POINT ONLY. TRIM/ADJUST AS NEEDED TO ACHIEVE PROPER BALANCE.

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: 01 FEB 2021			
INSPECTION DIMENSIONS NOTED BY (X.X) SHALL HAVE FEATURE SIZE DIMENSIONS AND ASSOCIATED GD&T TOLERANCES INSPECTED		MATERIAL: SEE AGILE BOM	APPROVED BY:		TITLE: ASSY DRAWING, BALANCE WEIGHT, T6000 800W	
INTERPRET TOLERANCING PER ASME Y14.5 - 2009		FINISH: N/A	APPROVED DATE:			
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: 1:8	DRAWING NUMBER 97-174998	REV A
		3rd ANGLE PROJECTION 	FIRST USED: T6000 800 W		SHEET NUMBER 1 OF 2	



VIEW 2
RIGHT HAND BALANCE WEIGHT

SIZE	SCALE:	DRAWING NUMBER	REV
B	1:6	97-174998	A
		SHEET NUMBER	2 OF 2

ORACLE BOM Explosion Report

Item Number: 62-163802
Description: IF INTERFACE & 10MHz DISTRIBUTION ASSY
Item Revision: A.04 MCO-00049369
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	97-163802	A.02 MCO-00049369	IF INTERFACE & 10MHz DISTRIBUTION ASSY	
1	1	pcs	41-168917-A	01 ECO-00033164	SHELL, DISTRIBUTION ASSEMBLY	
2	4	ea	41-165444-A	01 MCO-00049204	BRACKET, DUPLEXER BIAS-T	
4	1	ea	41-165446-A	02 MCO-00049204	BRACKET, 4 N BULKHEAD CONNECTORS	
5	1	pcs	46-207226-000	MCO-00040484	RJ45 SURGE SUPPRESSOR	
6	1	ea	122289	G ECO-00008543	POWER ENTRY MODULE ASSY, 6 IN LEADS	
7	1	pcs	88-207893-000	MCO-00041049	POWER SUPPLY SWITCHING, 75W, RS-75-15	
8	2	pcs	130838-2	A.01 ECO-00008545	POWER DIVIDER, 2 WAY 0 DEG, 10 - 2000 MHz, SMA	
9	5	pcs	136131	MCO-00020808	CONNECTOR, N(F)-N(F), BULKHEAD, LIGHTNING ARRESTER	
10	4	pcs	46-207224-000	MCO-00039869	COUPLER, BI-DIRECTIONAL, 800 TO 2300 MHZ, N	
11	4	pcs	46-207227-000	MCO-00044397	BIAS-T & 10MHz DIPLEXER, 3AMP, NORSAT BT-4333M	
12	1	pcs	88-207345-000	MCO-00017898	10MHz 4 PORT DISTRIBUTION AMPLIFIER	
13	1	pcs	27-207097-000	MCO-00041046	10 MHz Recovery Oscillator, LREC-888X-11XX-02, SMA	
14	2	pcs	37-207199-000	MCO-00027508	COAX CABLE ASSY, RG174 SMA(RAM)-SMA(RAM), 6"	NOT SHOWN
15	2	ea	37-207198-000	MCO-00027508	COAX CABLE ASSY, RG174 SMA(M)-SMA(RAM), 6"	NOT SHOWN
17	1	ea	31-207377-000	MCO-00013589	Adapter, SMA(F) to N(M), 50 Ohm, 6 GHz	NOT SHOWN
18	4	ea	110567-17	MCO-00048312	ADAPTER, N(M)-N(M)	
19	6	ea	115492-10	MCO-00012114	ADAPTER, SMA(F)-SMA(F), BULKHEAD	
20	1	ea	41-165676-A	02 MCO-00042219	BRACKET, LIGHTNING PROTECTOR	
21	5	pcs	37-167169-A	01 MCO-00042709	GROUND STRAP, 18", 12 AWG, #8 EYES	

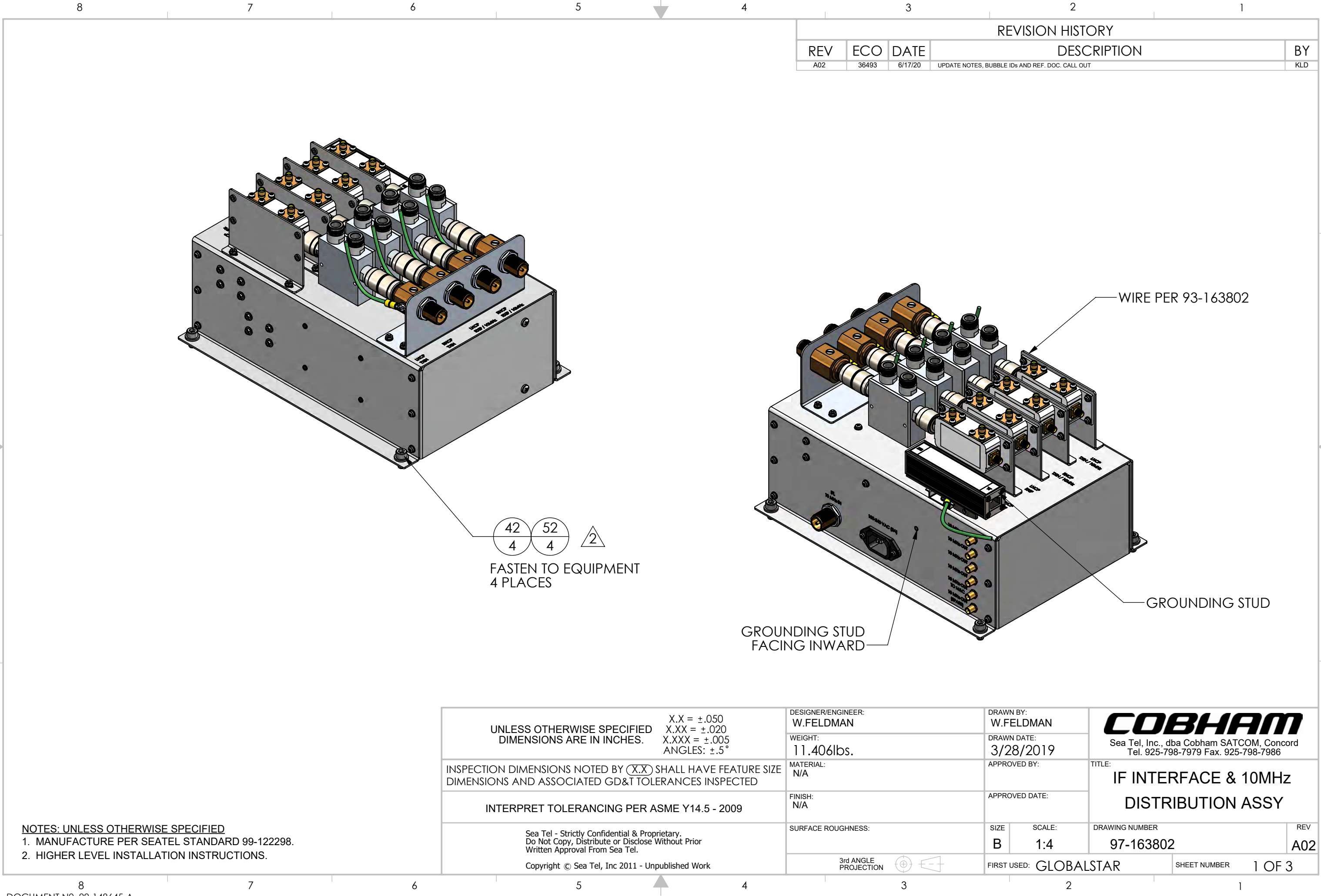
Created By: Mike Needham
Create Time: 07/09/2020 11:47:16 AM PDT

ORACLE BOM Explosion Report

Item Number: 62-163802
Description: IF INTERFACE & 10MHz DISTRIBUTION ASSY
Item Revision: A.04 MCO-00049369
Date as of: 07/09/2020 11:46:54 AM PDT

Find Num	Qty	Inventory Unit (LN6)	Number	Rev	Description / Title	BOM Notes
22	1	pcs	41-168918-A	01 ECO-00033104	SIDE A, DISTRIBUTION ASSEMBLY	
23	1	pcs	41-168919-A	01 ECO-00033103	SIDE B, DISTRIBUTION ASSEMBLY	
24	6	ea	37-207198-001	MCO-00027508	COAX CABLE ASSY, RG174 SMA(M)-SMA(RAM), 12"	NOT SHOWN
25	5	ea	37-207199-001	MCO-00027508	COAX CABLE ASSY, RG174 SMA(RAM)-SMA(RAM), 12"	NOT SHOWN
30	2	ea	110495-6	MCO-00027635	ATTENUATOR, 6 dB, SMA, 2 WATT, DC-18GHz	NOT SHOWN
31	5	pcs	31-207405-000	MCO-00014975	COAX DUST CAP, SMA MALE, NON SHORTING, NO CHAING	NOT SHOWN
42	4	ea	119973-134	MCO-00012113	SCREW, SOCKET HD, M6 X 12, SS.	
44	2	ea	119745-224	MCO-00026962	SCREW, PAN HD, PHIL, M4 X 14, SS.	
45	16	ea	119745-116	MCO-00012113	SCREW, PAN HD, PHIL, M3 X 6, SS.	
46	17	ea	119745-118	MCO-00046136	SCREW, PAN HD, PHIL, M3 X 8, S S	
47	8	ea	124401-006	MCO-00013278	SCREW, PAN HD, PHIL, M2 X 6, SS.	
48	4	pcs	51-207498-000	MCO-00042655	SCREW, PAN HD, PHIL, #2-56 X .19LG., SS.	
52	4	pcs	114580-450	MCO-00012544	WASHER, SMALL PATTERN, M6, SS	
54	2	ea	114580-230	MCO-00039541	WASHER, FLAT, M4, SS.	
55	47	ea	114580-210	MCO-00046136	WASHER, FLAT, M3, SS.	
56	8	ea	114580-180	MCO-00012113	WASHER, FLAT, M2, SS.	
57	4	ea	114580-003	MCO-00012113	WASHER, FLAT, #2, SS.	
64	2	ea	120089-231	MCO-00012113	NUT, HEX, M4, SS.	
65	14	ea	120089-211	MCO-00023264	NUT, HEX, M3, SS.	
66	8	pcs	52-207153-000	MCO-00036751	NUT, HEX, M2, SS	
		pcs	62-163802	A.04 MCO-00049369	IF INTERFACE & 10MHz DISTRIBUTION ASSY	

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



REVISION HISTORY				
REV	ECO	DATE	DESCRIPTION	BY
A02	36493	6/17/20	UPDATE NOTES, BUBBLE IDS AND REF. DOC. CALL OUT	KLD

42/4 52/4 2

FASTEN TO EQUIPMENT
4 PLACES

GROUNDING STUD
FACING INWARD

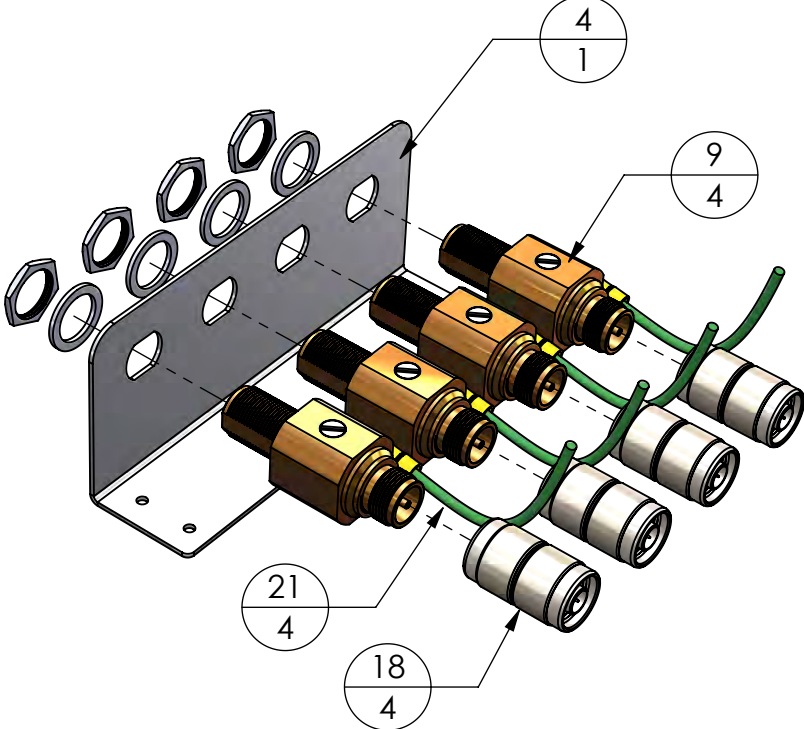
WIRE PER 93-163802

GROUNDING STUD

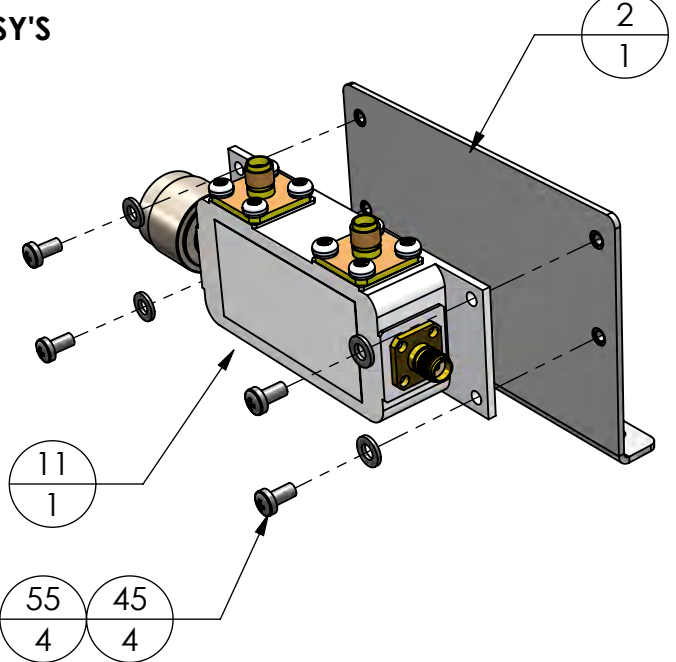
NOTES: UNLESS OTHERWISE SPECIFIED
1. MANUFACTURE PER SEATEL STANDARD 99-122298.
2. HIGHER LEVEL INSTALLATION INSTRUCTIONS.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.	X.X = ±.050 X.XX = ±.020 X.XXX = ±.005 ANGLES: ±.5°	DESIGNER/ENGINEER: W.FELDMAN	DRAWN BY: W.FELDMAN		COBHAM Sea Tel, Inc., dba Cobham SATCOM, Concord Tel. 925-798-7979 Fax. 925-798-7986	
	WEIGHT: 11.406lbs.	DRAWN DATE: 3/28/2019				
INSPECTION DIMENSIONS NOTED BY (X.X) SHALL HAVE FEATURE SIZE DIMENSIONS AND ASSOCIATED GD&T TOLERANCES INSPECTED	MATERIAL: N/A	APPROVED BY:		TITLE: IF INTERFACE & 10MHz DISTRIBUTION ASSY		
	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.	SURFACE ROUGHNESS:	SIZE B	SCALE: 1:4	DRAWING NUMBER 97-163802		REV A02
	3rd ANGLE PROJECTION 	FIRST USED: GLOBALSTAR		SHEET NUMBER 1 OF 3		
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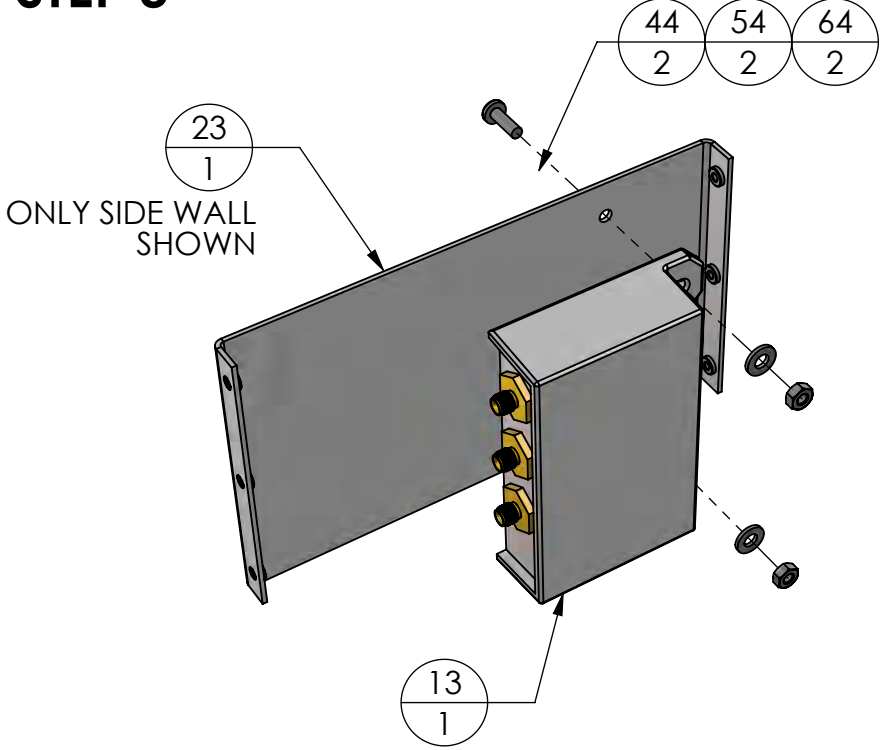
STEP 1



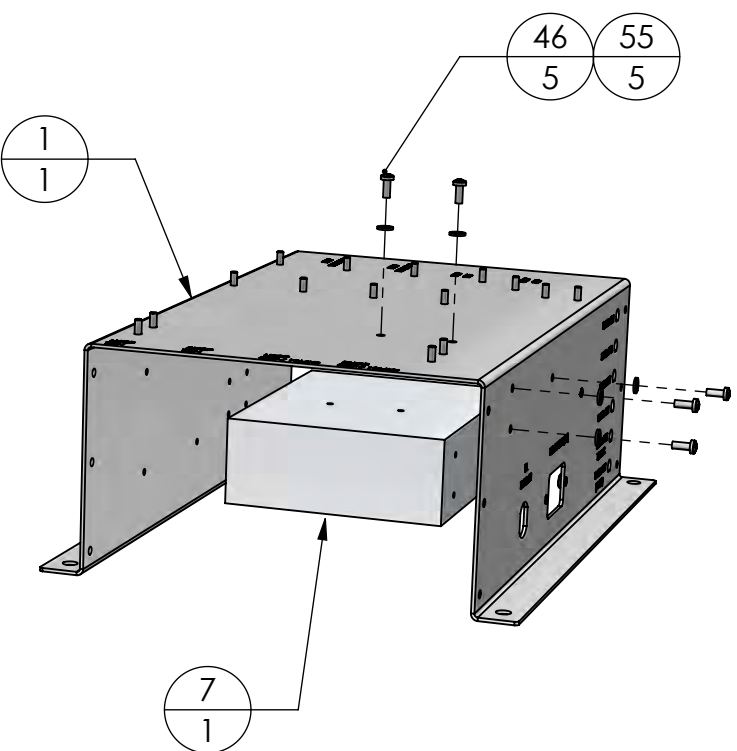
STEP 2
X4 SUB-ASSY'S



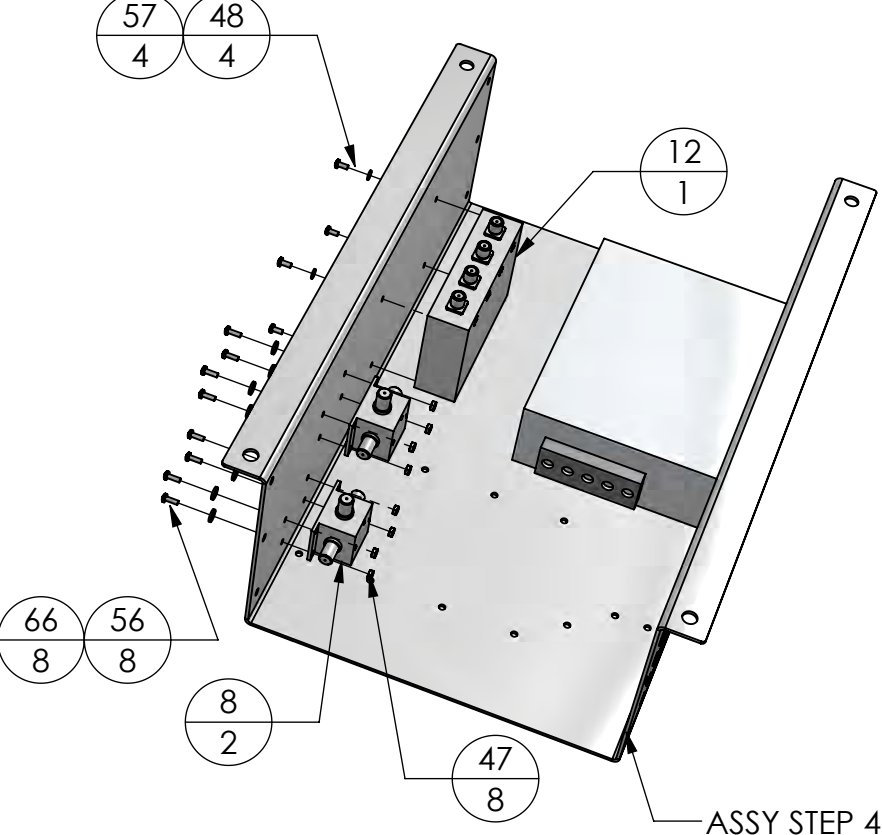
STEP 3



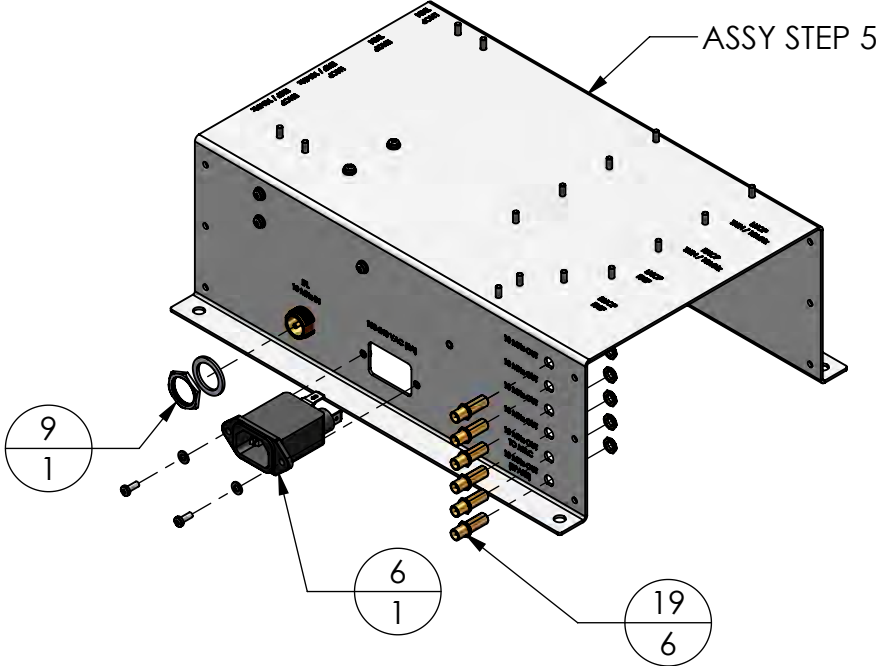
STEP 4



STEP 5

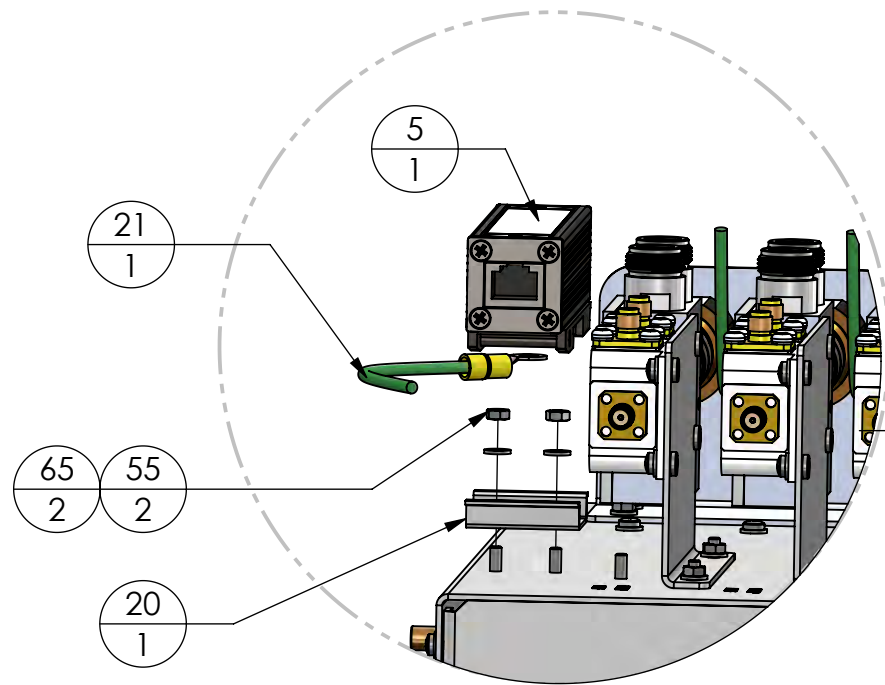
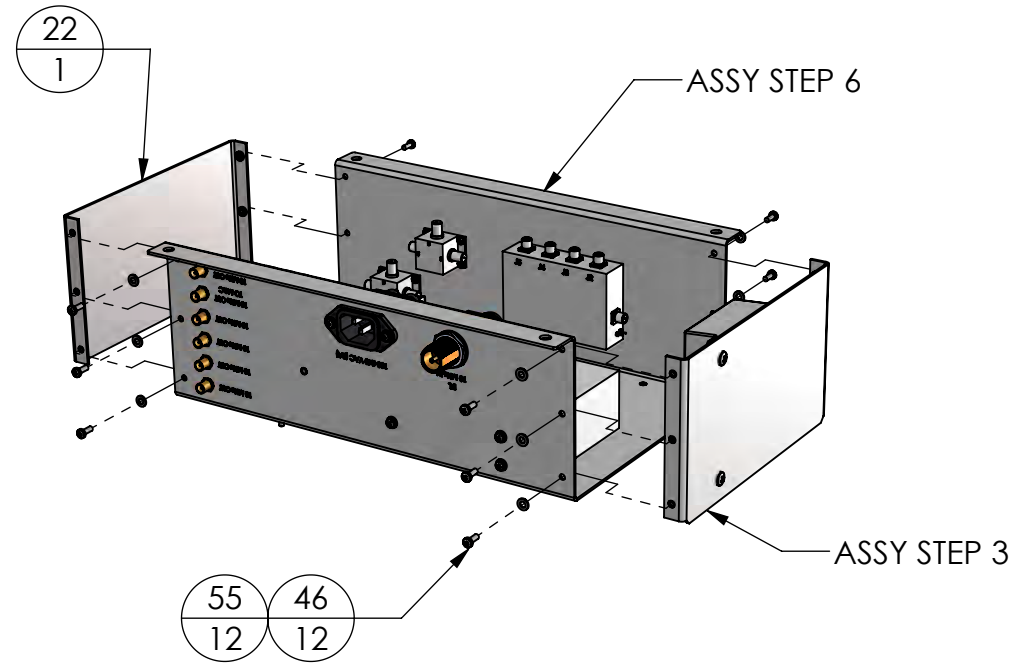


STEP 6

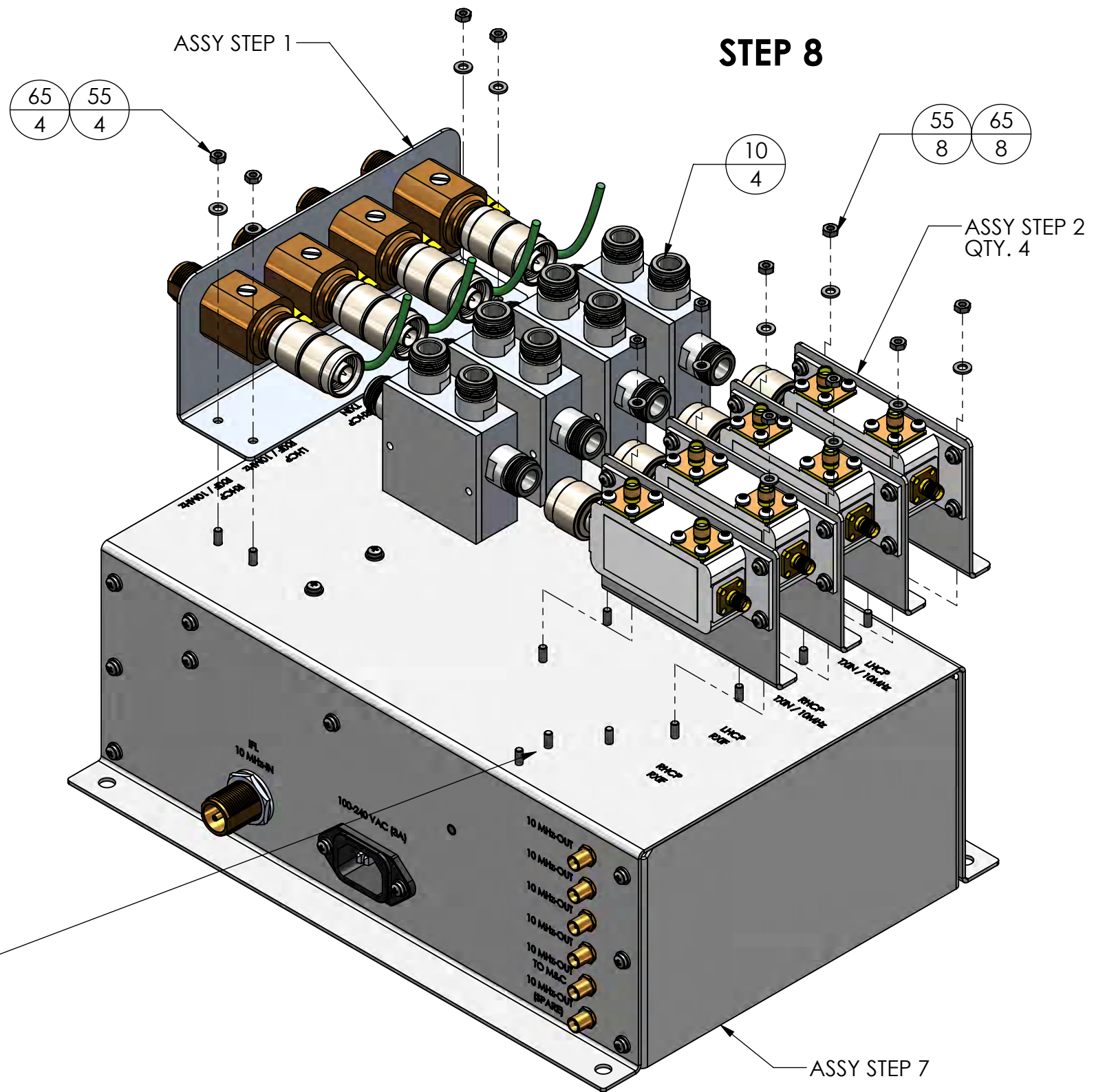


SIZE	SCALE:	DRAWING NUMBER	REV
B	1:4	97-163802	A02
		SHEET NUMBER	2 OF 3

STEP 7



STEP 8



SIZE	SCALE:	DRAWING NUMBER	REV
B	1:2	97-163802	A02
		SHEET NUMBER	3 OF 3