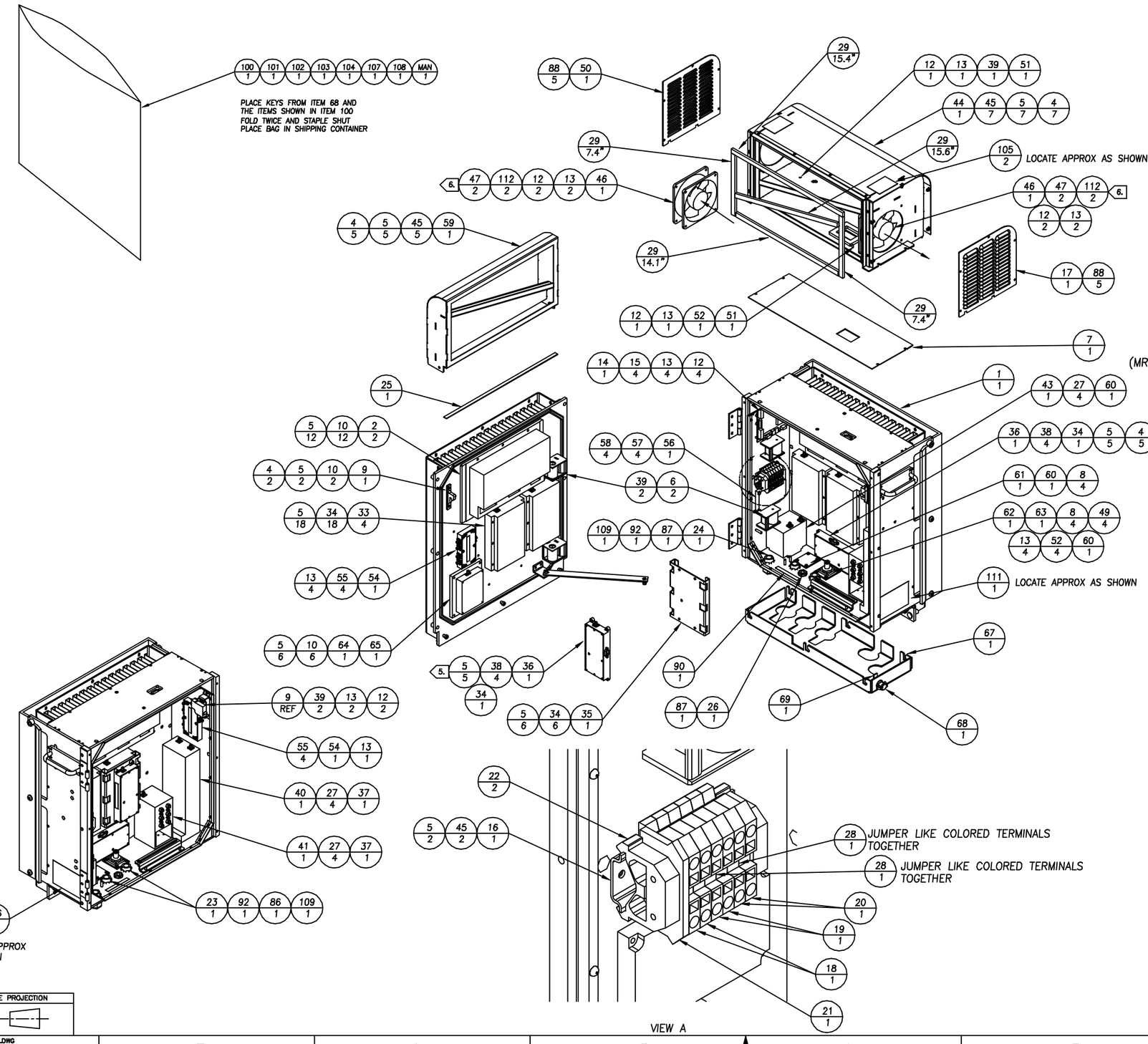
SIZE	DWG NO	SH	REV
D			

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	PER ECN 1244	11/16/99	BWD



HIGH POWER ASSEMBLY WIRING DIAGRAM
(MRBBASE SHOWN WITH MRBAMP4XAB, MRBDUPABC, MRBRDUPABC, MRBDIVABC, MRBPREAMPABC AND MRBVSWR)

NOTES:

1. ON SPLIT BALLOONS THE TOP NUMBER IS THE ITEM NUMBER THE BOTTOM NUMBER IS THE QUANTITY REQUIRED.

ITEM NUMBER → XX / 1 ← QUANTITY

2. TORQUE: UNLESS OTHERWISE SPECIFIED TORQUE ALL FASTENERS TO THE FOLLOWING LIMITS (±10%):

METRIC (IN N-m (in-lb))			SAE (IN in-lb)			
	A2 SST	BRASS		18-8 SST	BRASS	NYLON
M2x0.4	.25 (2.20)	.11 (.97)	#2-56	2.4	2.0	.44
M2.5x0.45	.50 (4.4)	.24 (2.13)				
M3x0.5	.94 (8.3)	.41 (3.67)	#4-40	5.2	4.3	1.2
			#6-32	9.6	7.9	2.1
M4x0.7	2.16 (19.1)	1.00 (8.85)	#8-32	19.8	16.2	4.3
M5x0.8	4.23 (37.3)	1.83 (16.2)	#10-32	31.7	25.9	8.2
M6x1	7.30 (64.6)	3.24 (28.7)	1/4-20	75.2	61.5	16.0
M8x1.25	17.8 (157)	7.47 (66.1)	5/16-18	132	107	34.9

NOTE: STAINLESS FASTENERS ARE SUBJECT TO GALLING, USE LOW RPMs. DO NOT USE IMPACT WRENCHES!

METRIC AND SAE FASTENERS ARE NOT INTERCHANGEABLE.

3. COMPLETED ASSY TO BE PACKAGED TO PREVENT DAMAGE TO THE ASSY OR FINISH DURING SHIPMENT OR STORAGE.

4. IN THE REVISION BLOCK, C4 MEANS THAT THE CHANGE IS IN ZONE C4.

5. WHEN THIS LNA (ITEM 36) IS INSTALLED, REMOVE & DISCARD THE FOUR OUTER CAPTIVE SCREWS IN THE PA (ITEM 33).

6. TIGHTEN ITEM 112 SO ITEM 47 IS JUST SNUG, APPROX 3 IN-LBS. SPIN FAN BLADES AFTER TIGHTENING TO INSURE THEY MOVE FREELY.

UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE
DIMENSIONS ARE IN INCHES	DRAWN EM DAVIS	8/23/99
TOLERANCES ON:	CHECKED N/A	N/A
3 PL DECIMALS ±.01	ENGRG	N/A
2 PL DECIMALS ±.005	ISSUED N/A	N/A
ANGLES ± 1°		
FRACTIONS ± ✓		
MATERIAL: ---		
FINISH: ---	FWF BOOSTER AMPLIFIER	
	FDFG	

GRAYSON ELECTRONICS CO.
FOREST, VA. a division of the ALLEN TELECOM GROUP

TITLE: ASSY, BOOSTER CABINET

SIZE	DWG NO	REV
D	D001808	B

SCALE 1:5 | DO NOT SCALE DRAWING | SHEET 1 OF 2

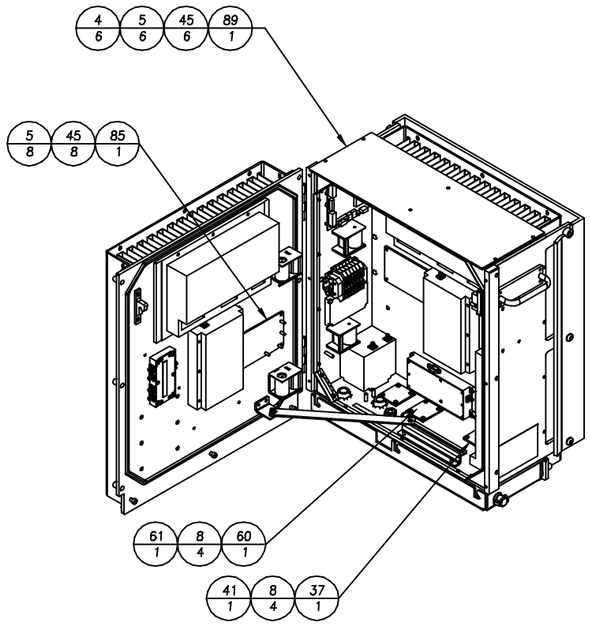
THIRD ANGLE PROJECTION

ACAD FILENAME: DSIZE.DWG

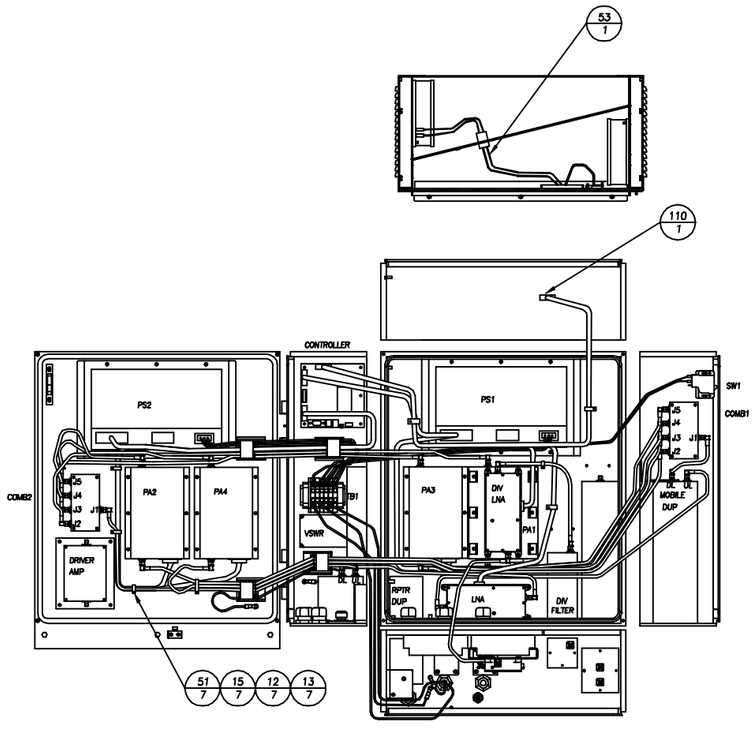
SIZE	DWG NO	SH	REV
D			

REVISIONS

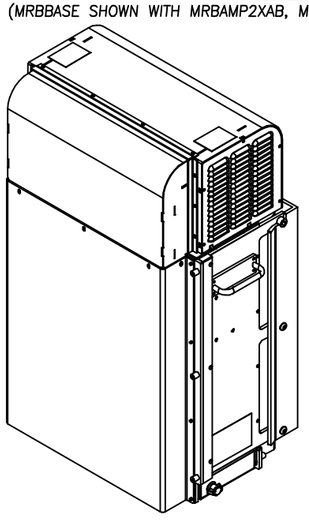
REV	DESCRIPTION	DATE	APPROVED



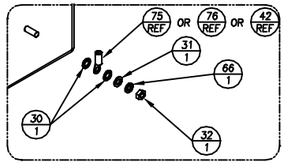
MEDIUM POWER ASSY
(MRBBASE SHOWN WITH MRBAMP2XAB, MRBDUPABC, MRBRDUPABC & MORBNODIV ONLY)



HIGH POWER ASSEMBLY WIRING DIAGRAM
(MRBBASE SHOWN WITH MRBAMP4XAB, MRBDUPABC, MRBRDUPABC, MRBDIVABC, MRBPREAMPABC AND MRBVSWR)



HIGH POWER ASSEMBLY WIRING DIAGRAM



VIEW B
DETAIL FOR
GROUNDING CABLES
4x

ITEM #	SYSTEM INTERCONNECT– HIGH POWER FROM	TO	ITEM #	SYSTEM INTERCONNECT– MEDIUM POWER FROM	TO
	GROUND, POWER AND SIGNAL			GROUND, POWER AND SIGNAL	
75	AC MAINS–G/Y AC MAINS–BLU AC MAINS–BRN	CHASSIS GROUND (SEE DETAIL B) TB1–BLU1 TB1–GRAY1	75	AC MAINS–G/Y AC MAINS–BLU AC MAINS–BRN	CHASSIS GROUND (SEE DETAIL B) TB1–BLU1 TB1–GRAY1
76 91	TB1–G/Y1 DOOR STUD	CHASSIS GROUND (SEE DETAIL B) CABINET STUD (SEE DETAIL B)	76 91	TB1–G/Y1 DOOR STUD	CHASSIS GROUND (SEE DETAIL B) CABINET STUD (SEE DETAIL B)
72	TB1–G/Y4 TB1–BLU4 TB1–GRAY4	PS1–AC INPUT– G/Y PS1–AC INPUT–BLU PS1–AC INPUT–BRN	72	TB1–G/Y4 TB1–BLU4 TB1–GRAY4	PS1–AC INPUT– G/Y PS1–AC INPUT–BLU PS1–AC INPUT–BRN
72	TB1–G/Y3 TB1–BLU3 TB1–GRAY3	PS2–AC INPUT– G/Y PS2–AC INPUT–BLU PS2–AC INPUT–BRN	72	TB1–G/Y3 TB1–BLU3 TB1–GRAY3	PS2–AC INPUT– G/Y PS2–AC INPUT–BLU PS2–AC INPUT–BRN
70	P1 J1 J2 J3 J4	PS1–DC OUTPUT PA1–J1 PA3–J1 CONTROLLER–J3 PREAMP–J1	70	P1 J1 J2 J3 J4	PS1–DC OUTPUT PA1–J1 ITEM 85 CONTROLLER–J3 PREAMP–J1
74	P1 J1 J2 J3 J4	PS2–DC OUTPUT PA4–J1 PA2–J1 CONTROLLER–J7 PREAMP–J2	74	P1 J1 J2 J3 J4	PS2–DC OUTPUT ITEM 85 PA2–J1 CONTROLLER–J7 PREAMP–J2
71	J2 J1 J3 J4 TO1 TO2	DIV LNA–J1 LNA–J1 CONTROLLER–J4 PLENUM CABLE–J1 SW1–MIDDLE SW1–SILVER TAB	71	J2 J1 J3 J4 TO1 TO2	DIV LNA–J1 LNA–J1 CONTROLLER–J4 NC SW1–MIDDLE SW1–SILVER TAB
53	PLENUM–J2 PLENUM–J3	FAN1 FAN2			
	RF INTERCONNECT			RF INTERCONNECT	
82	COMBINER 1–J1	MOBILE DUP–UPPER FREQ. BAND, DL	82	COMBINER 1–J1	MOBILE DUP–UPPER FREQ. BAND, DL
81	COMBINER 1–J4	PA1–OUT	–	–	NC
81	COMBINER 1–J5	PA3–OUT	81	COMBINER 1–J3	PA1–OUT
78	COMBINER 1–J2	PA2–OUT	78	COMBINER 1–J4	PA2–OUT
78	COMBINER 1–J3	PA4–OUT	–	–	NC
77	COMBINER 2–J1	RPTR DUP–UPPER FREQ. BAND, DL	77	COMBINER 2–J1	RPTR DUP–UPPER FREQ. BAND, DL
80	COMBINER 2–J2	PA1–IN	–	–	NC
80	COMBINER 2–J3	PA3–IN	80	COMBINER 2–J4	PA1–IN
79	COMBINER 2–J4	PA2–IN	79	COMBINER 2–J3	PA2–IN
79	COMBINER 2–J5	PA4–IN	–	–	NC
83	LNA–J2	MOBILE DUP–LOWER FREQ. BAND, UL	83	LNA–J2	MOBILE DUP–LOWER FREQ. BAND, UL
73	LNA–J3	RPTR DUP–LOWER FREQ BAND, UL	73	LNA–J3	RPTR DUP–LOWER FREQ BAND, UL
84	DIV LNA–J2	DIV FILTER	84	DIV LNA–J2	DIV FILTER
62	DIV LNA–J3	DIV OUT (CABINET)	62	DIV LNA–J3	DIV OUT (CABINET)

UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE
DIMENSIONS ARE IN INCHES	DRAWN BW DAVIS	6/23/99
TOLERANCES ON: 2 PL DECIMALS ±.01 3 PL DECIMALS ±.005	CHECKED N/A	N/A
ANGLES ± 1°	ENGRG	N/A
FRACTIONS ± ✓	ISSUED N/A	N/A
MATERIAL: ---		
FINISH: ---	FMF BOOSTER AMPLIFIER	
	FOFO	

GRAYSON ELECTRONICS CO.
FOREST, VA. a division of the ALLEN TELECOM GROUP

TITLE: ASSY, BOOSTER CABINET

SIZE		DWG NO	REV
D		D001808	B

SCALE 1:5 | DO NOT SCALE DRAWING | SHEET 2 OF 2

THIRD ANGLE PROJECTION

ACAD FILENAME: DSIZE.DWG