



LBI-38775C

Mobile Communications

**MASTR® III BASE STATION
SYSTEMS COMBINATION PACKAGE**

TABLE OF CONTENTS

T/R SHELF	LBI-38637
SYSTEM MODULE	LBI-38764
POWER MODULE	LBI-38752



Ericsson GE Mobile Communications Inc.
Mountain View Road • Lynchburg, Virginia 24502

Printed in U.S.A.

Maintenance Manual

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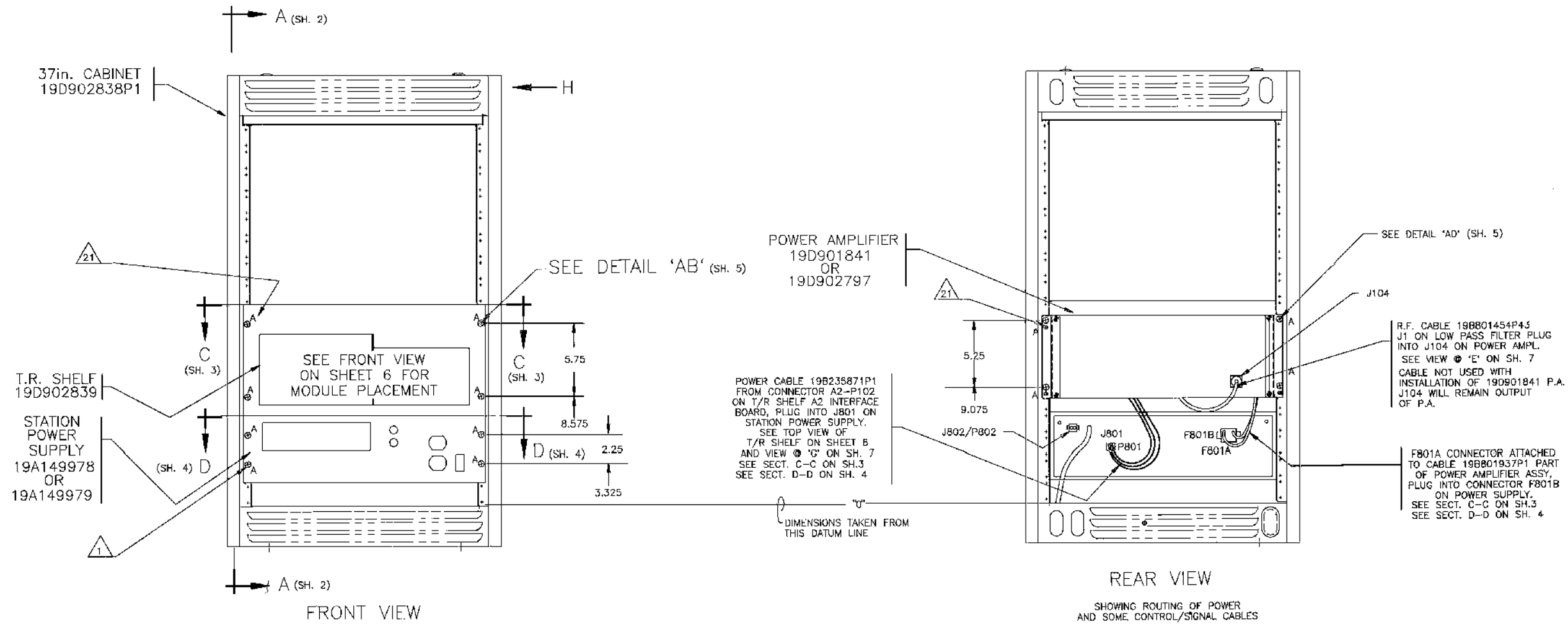
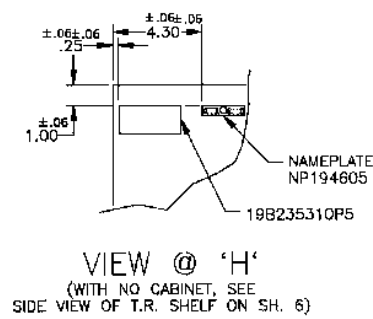
INTRODUCTION

This manual contains information for the MASTR III Station including application information, cable diagrams and a parts list for the cabinet hardware. For additional information refer to the following manuals:

LBI-38636	Installation	How to install including Interconnection Diagrams.
TBD	Installation	Installation, Configuration and Checkout for EDACS Basic and Level 1 System.
LBI-38754	VHF RF Package	Information on the VHF frequency equipment.
LBI-38675	UHF RF Package	Information on the UHF frequency equipment.
LBI-39025	800 MHz RF Package	Information on the 800 MHz frequency equipment.
LBI-38983	Antenna Systems	Information on typical antenna system installations.
LBI-38812	EDACS System Panel	Information on the panel used in EDACS applications.
LBI-38894	GETC	Information on the GETC equipment.
LBI-38625	Charger/Emer. Power	Information on the battery charger and emergency power equipment.

APPLICATIONS

OPTION NUMBER	APPLICATION ASSEMBLY	DESCRIPTION
SXCAIS	19D902845P1	Installation of one MASTR III station in a 37" indoor cabinet.
SXRB1J	19D902845P2	Installation of T/R shelf for MASTR III station.
SXSU3A	19D902845P3	Installation of coax switch.
SXDU1J SXDU1K SXDU1M	19D902845P4	Installation of VHF (150-162 MHz) duplexer. Installation of VHF (162-174 MHz) duplexer. Installation of UHF (450-470 MHz) duplexer.
SXCH1L/M	19D901845P5	Installation of battery charger with automobile battery emergency power in a 37" indoor cabinet.
SXCH1R SXCH3A	19D902845P6	Installation of battery charger with Gel Cell battery emergency power in a 37" indoor cabinet.
SXSU3D	19D902845P7	Installation of SOR Relay Kit.
SXMK3C	19D902845P8	Installation of auxiliary receiver in a 37" or 69" cabinet.
SXMD3J	19D902845P9	Installation of GETC shelf in a 69" indoor cabinet.
SXVG3E SXVG3F	19D902845P11	Installation of GETC shelf for a E/E Voice Guard/Aegis repeater and remote/repeater in a 37" or 69" indoor cabinet.
SXVV1N SXVW1J SXVV1M	19D902845P12	Installation of E/D module (non-1027 version) in a 37" or 69" indoor cabinet.
SXVG3C SXVG3D	19D902845P13	Installation of E/D module (1027 version) in a 37" or 69" indoor cabinet.
SXDE5B	19D902845P14	Installation of transmit data board.
SXAP3K	19D902845P16	Installation of multi-station in a 69" or 83" indoor cabinet or open rail rack.
SXMNEY SXMD3M	19D902845P21 19D902845P22	Installation in 69" indoor cabinet or open rail rack. Installation of simulcast stations.
SXMD1S	19D902845P23	Installation and modification instructions for RIC telephone interconnect.
	19D902845P24	Modification for station receiver voting for RS-232.



- ① 37in. HIGH INDOOR FIXED LAND CABINET WITH
(1) MASTR III TRANSMIT/RECEIVE 800Mhz. BASE STATION

NOTES:

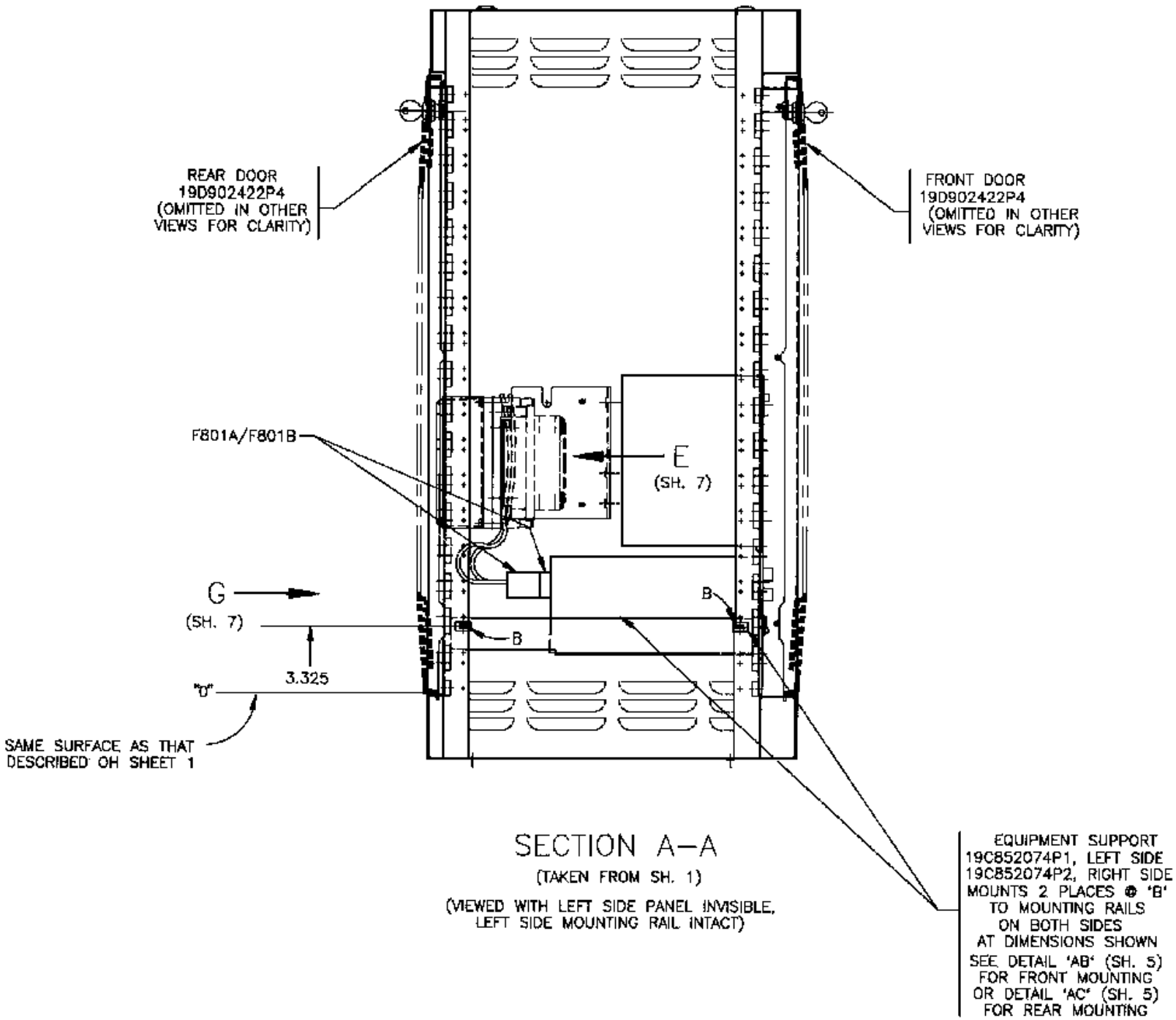
① ITEMS REFERENCING THIS CALLOUT ARE CALLED FOR
ON HARDWARE KIT P.L. 344A3450G1.

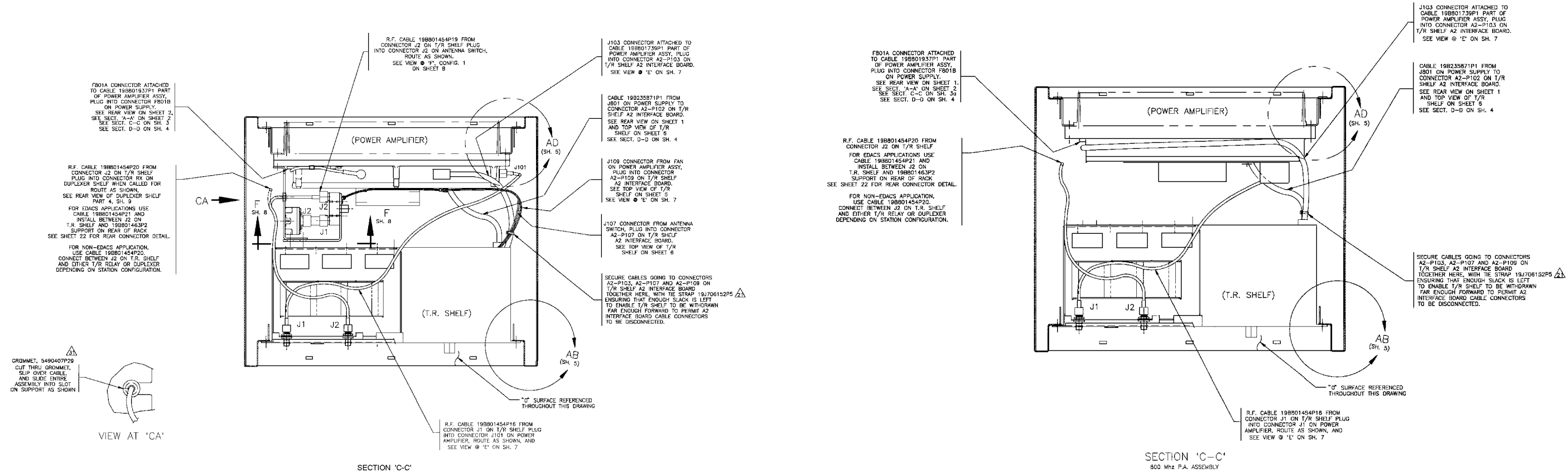
2 INSTALL CABLES AS SHOWN AND INTERCONNECT IN
ACCORDANCE WITH INTERCONNECT DIAGRAM 19D903635.

② ITEMS REFERENCING THIS CALLOUT ARE CALLED FOR
ON HARDWARE KIT P.L. 344A3450G2.

MASTR III STATION
19D902845P1

(19D902845, Sh. 1, Rev. 4)



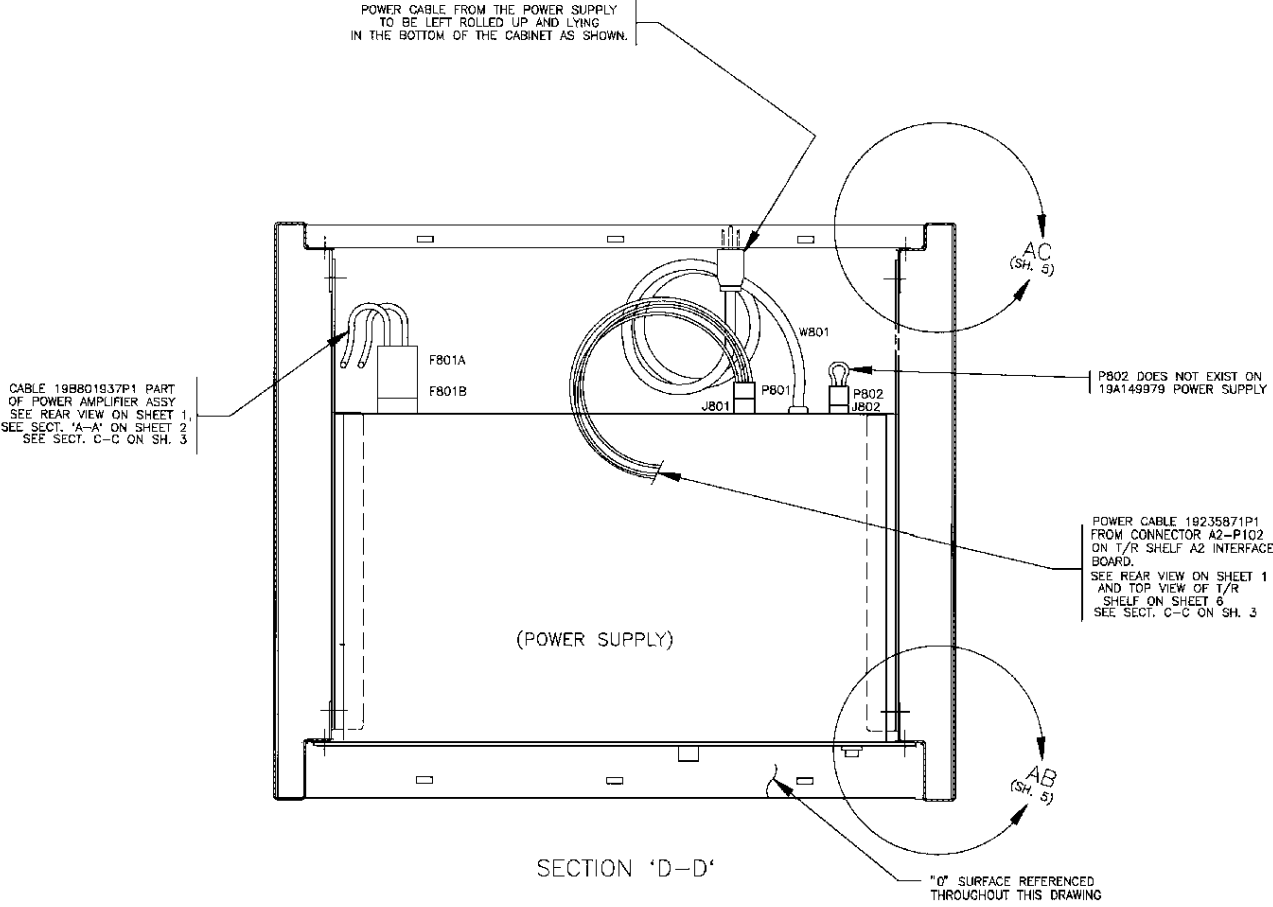


MASTR III STATION

(19D902845, Sh. 3, Rev. 3)

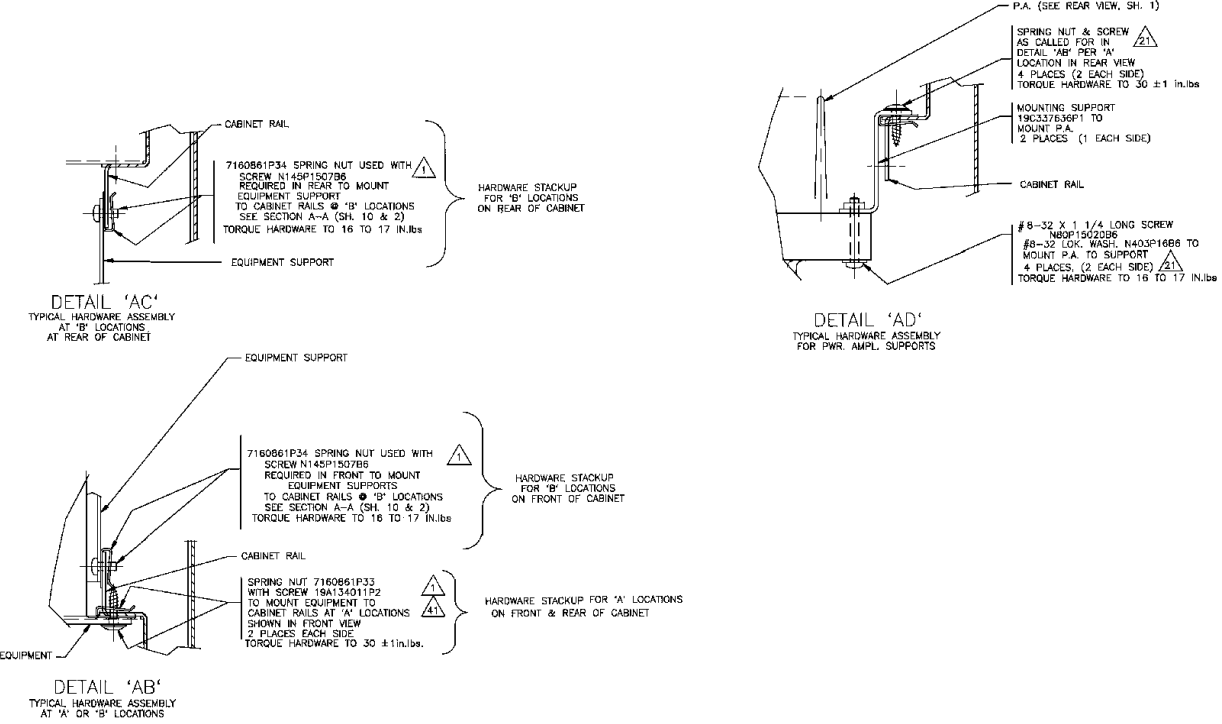
MASTR III STATION

(19D902845, Sh. 3A, Rev. 2)



MASTR III STATION

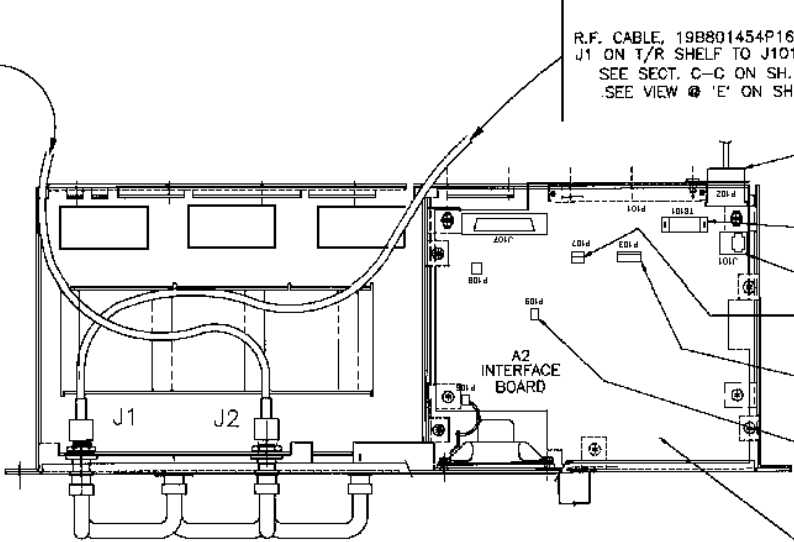
(19D902845, Sh. 4, Rev. 1)



MASTR III STATION

(19D902845, Sh. 5, Rev. 3)

R.F. CABLE 19B801454P19
FROM J2 ON T/R SHELF
TO J2 ON ANTENNA SWITCH
SEE SECT. C-C ON SH. 3
SEE VIEW 'F' CONFIG. 3
ON SH. 8
OR
R.F. CABLE 19B801454P20
FROM J2 ON T/R SHELF
TO RX ON DUPLEXER SHELF
SEE SECT. C-C ON SH. 3
SEE REAR VIEW ON SH. 9
FOR EDACS APPLICATIONS USE
CABLE 19B801454P16 AND
INSTALL BETWEEN J2 ON
T/R SHELF AND REAR OF RACK
MOUNTED CONNECTOR 19A115938P13.
SEE SHEET 22
FOR REAR CONNECTOR DETAIL.
FOR NON-EDACS APPLICATION,
USE CABLE 19B801454P20.
CONNECT BETWEEN J2 ON T/R SHELF
AND EITHER T/R RELAY OR DUPLEXER
DEPENDENT ON STATION CONFIGURATION.



R.F. CABLE, 19B801454P16, FROM
J1 ON T/R SHELF TO J101 ON P.A.
SEE SECT. C-C ON SH. 3
SEE VIEW 'E' ON SH. 7

POWER CABLE 19B235871P1
FROM CONNECTOR J801 ON
STATION POWER SUPPLY PLUG
INTO A2-P102 CONNECTOR
ON A2 INTERFACE BOARD.
SEE SECT. C-C ON SH. 3
SEE SECT. D-D ON SH. 4

A2-J101 & A2-TB101
TELEPHONE CONNECTIONS

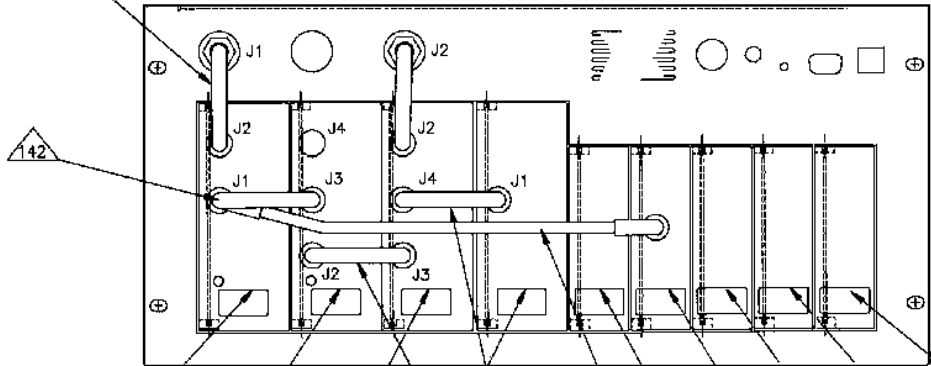
A2-P107, TO ANTENNA RELAY
SEE SECT. C-C ON SH. 3
SEE VIEW 'F'
(CONFIGURATION 1) ON SH. 8.

A2-P103, CONTROL CABLE
19B801739P1 TO P.A.
CONNECTOR J201
SEE SECT. C-C ON SH. 3
SEE VIEW 'E' NO SH. 7

A2-P109, P.A. FAN
SEE SECT. C-C ON SH. 3
SEE VIEW 'E' NO SH. 7

A2 INTERFACE BOARD
19D902975
PART OF T/R SHELF

RF CABLE, 344A3052P1
USED 5 PLACES AS SHOWN



Tx. SYNTHESIZER MOD.
19D902780

Rx. SYNTHESIZER MOD.
19D902781

Rx. FRONT END MOD
19D902782

Rx. IF MOD.
19D902783

POWER SUPPLY MOD.
19D902589

BLANK PANEL
19C337621P1

BLANK PANEL
19C337621P1

BLANK PANEL
19C337621P1

DATA MOD
19D904558

SYSTEM MOD.
19D902590

RF CABLE
344A4688P1

② ASSEMBLY OF T/R SHELF FOR
THE MASTR III INDOOR CABINET
APPLICATION.

△ INSTALL R.F. CABLE 344A3052P3, IF SUPPLIED.

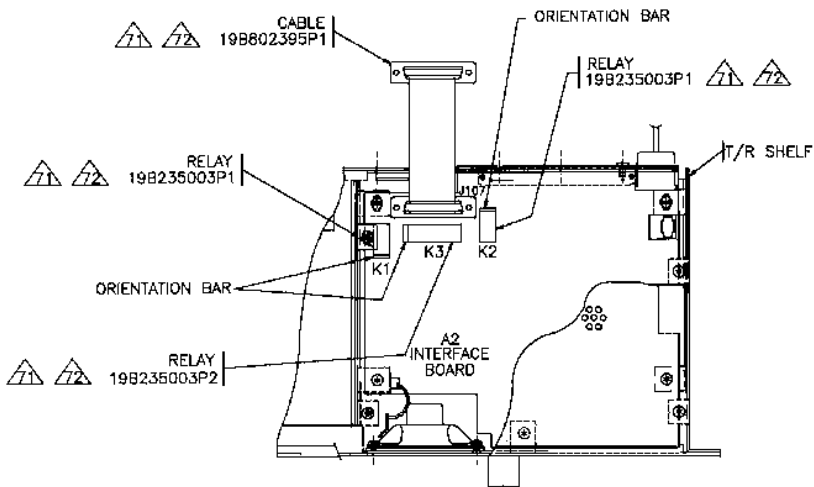
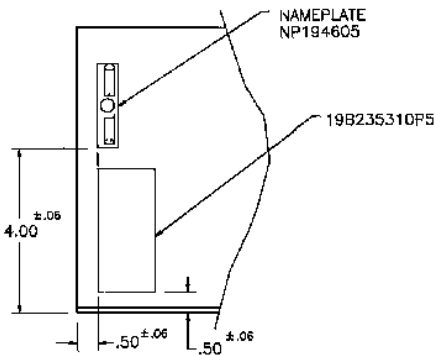
⑭ INSTALLATION OF DATA MODULE.

NOTES:

△11 INSTALL DATA MODULE IN SLOT AS SHOWN.

△12 DELETE RF CABLE 344A3052P1 FROM TX SYN MOD. TO RX SYN MOD.

△13 CONNECT 344A4688P1 RF CABLE FROM TX SYN MOD TO DATA
MODULE AS SHOWN



⑦ INSTALLATION OF SQUELCH OPERATED RELAY
INTO T/R SHELF A2 INTERFACE BOARD.

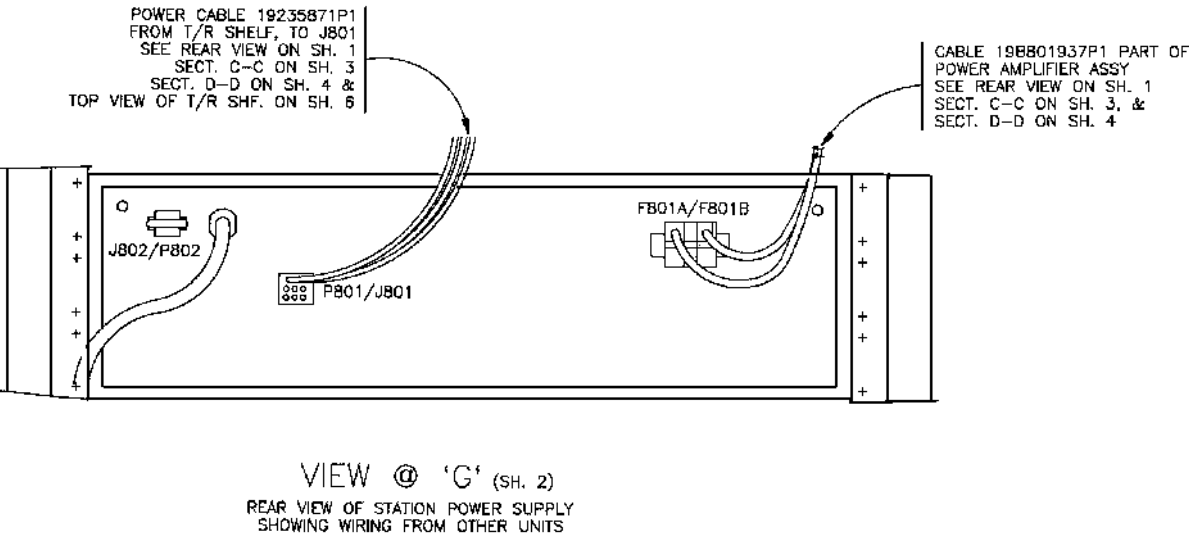
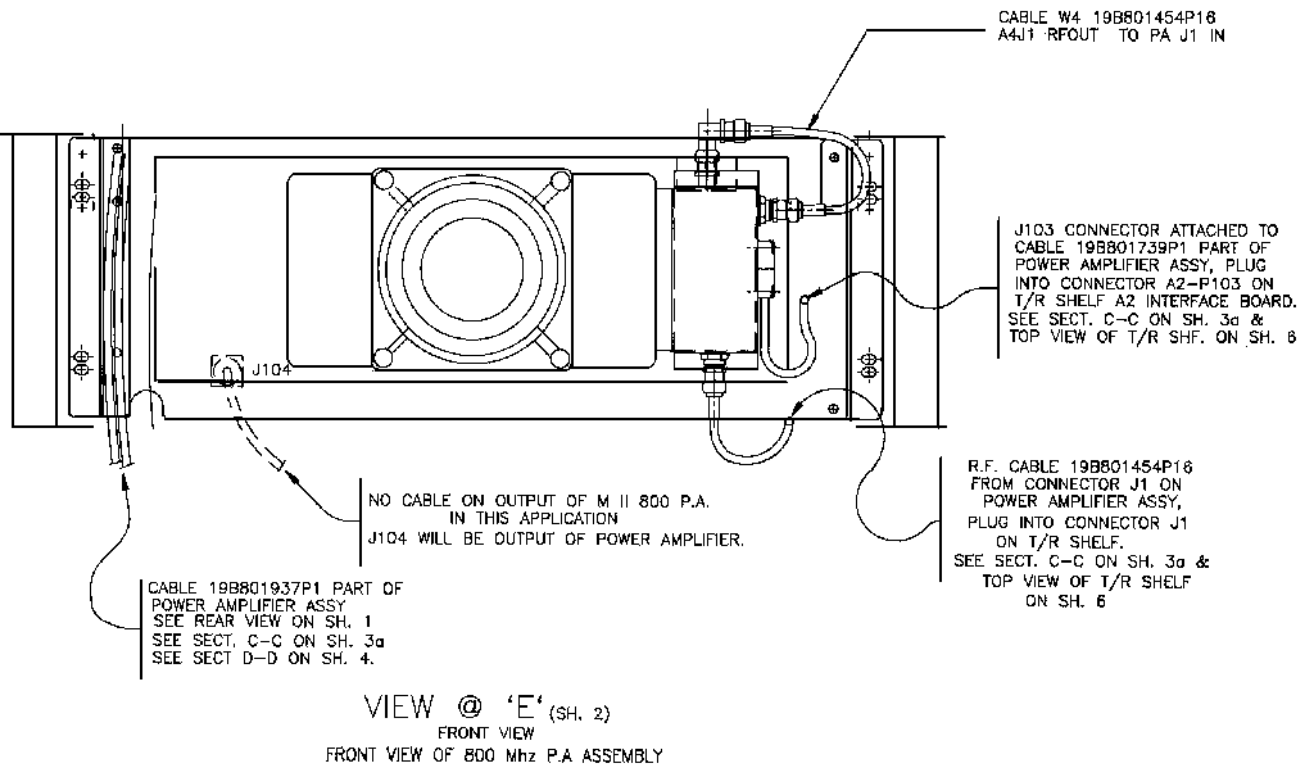
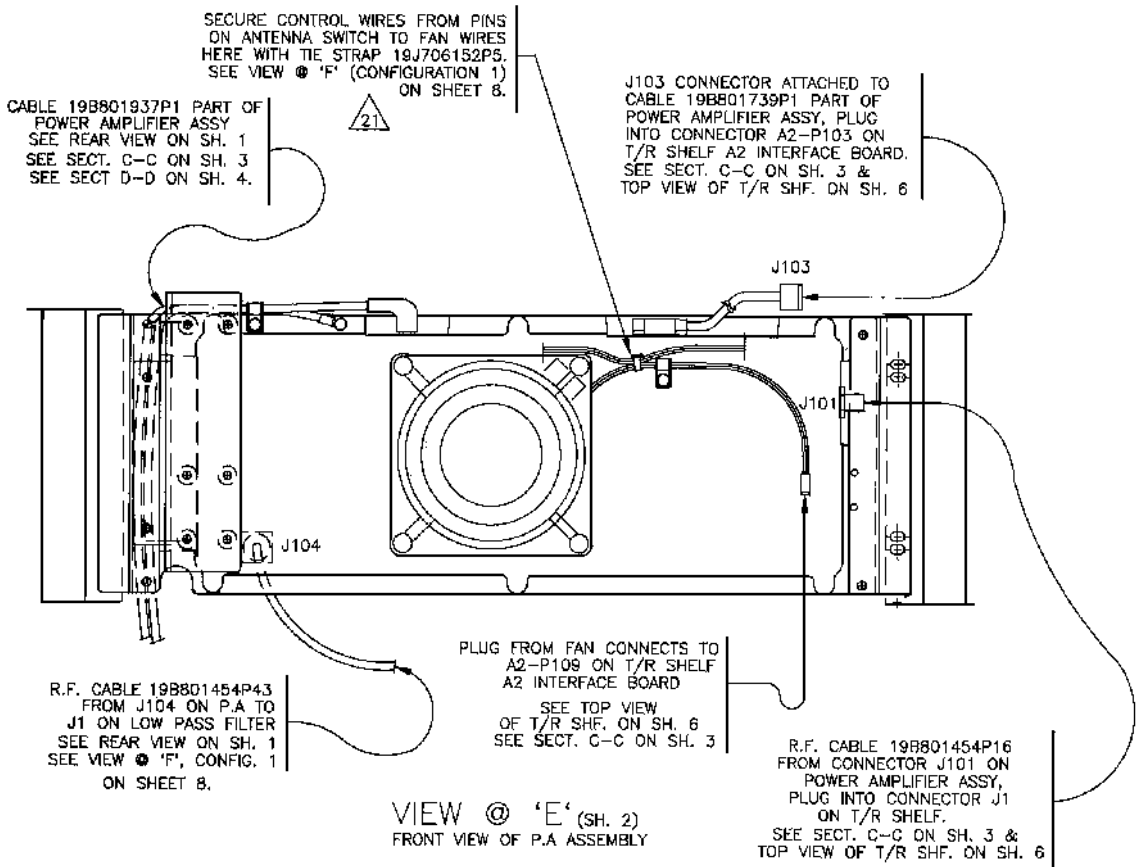
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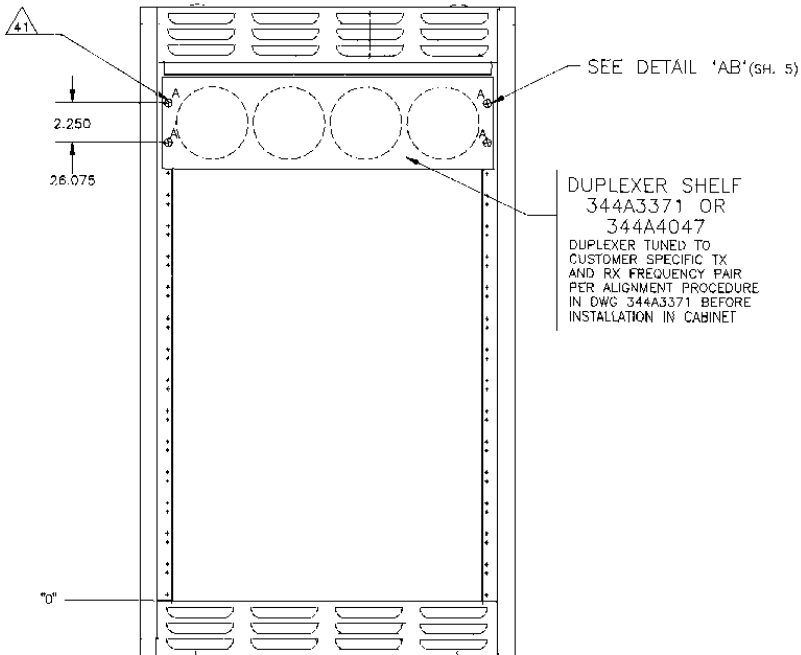
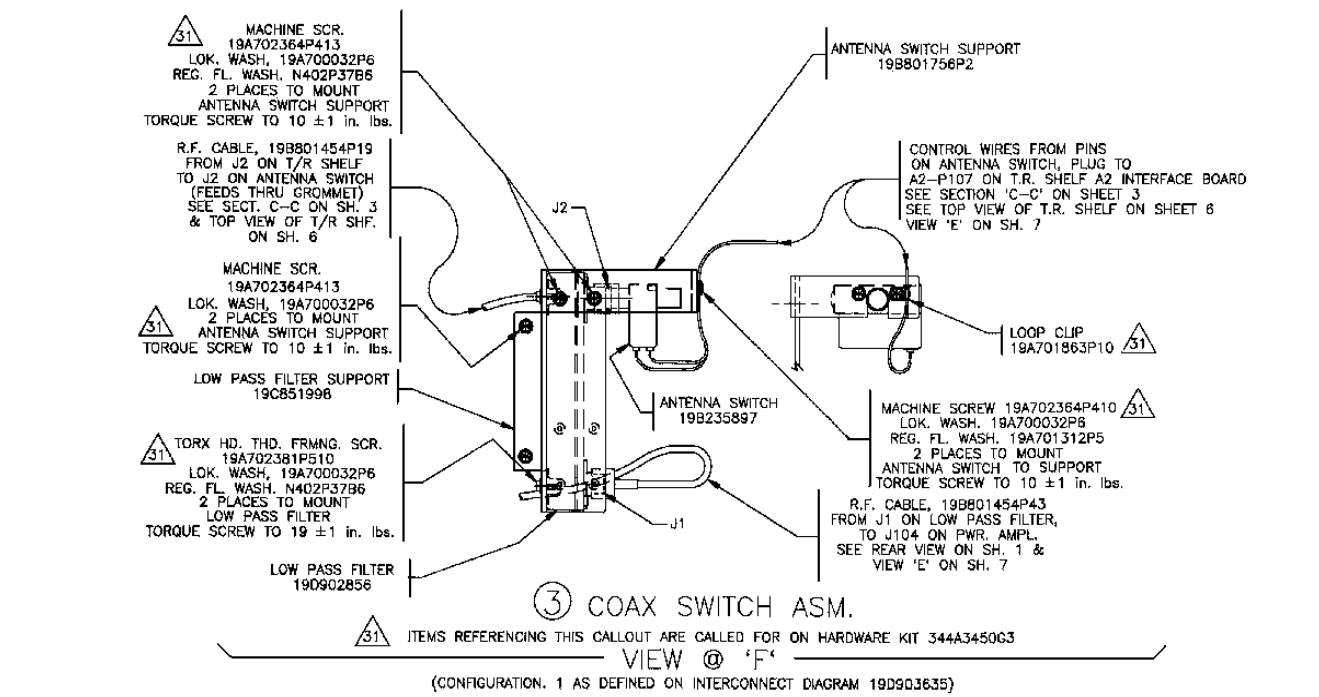
△11 ITEMS REFERENCING THIS CALLOUT ARE
CALLED FOR ON SQUELCH OPERATED
RELAY KIT PL344A3450G7.

△12 INSTALL CABLE 19B802395P1 AND
RELAYS K1, K2 & K3 AS SHOWN.

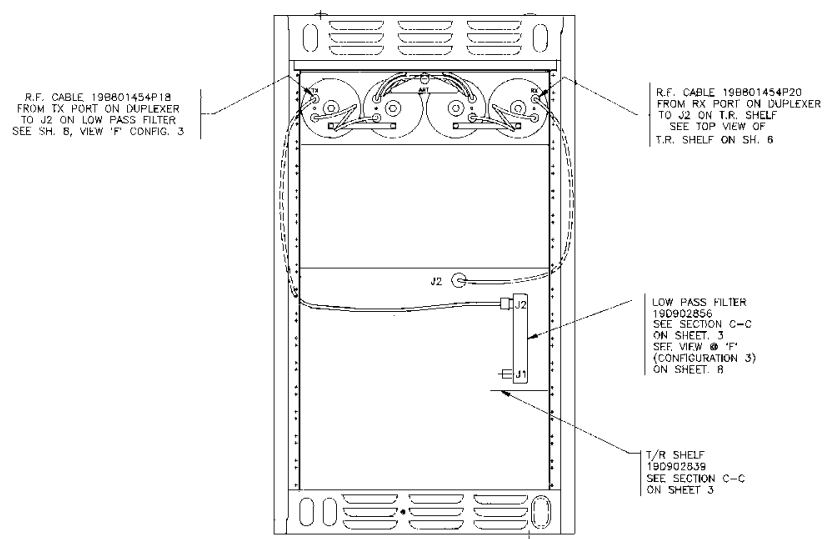
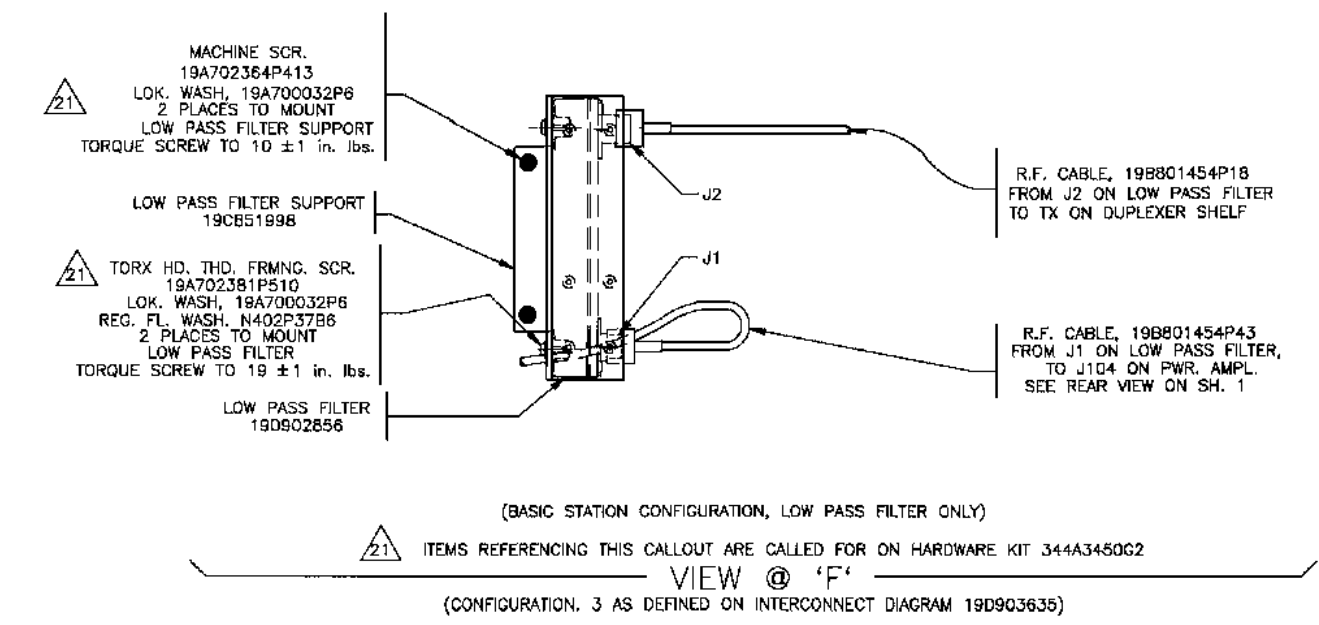
MASTR III STATION
19D902845P2, P7 & P14

(19D902845, Sh. 6, Rev. 5)





FRONT VIEW



REAR VIEW

MASTR III STATION
19D902845P3

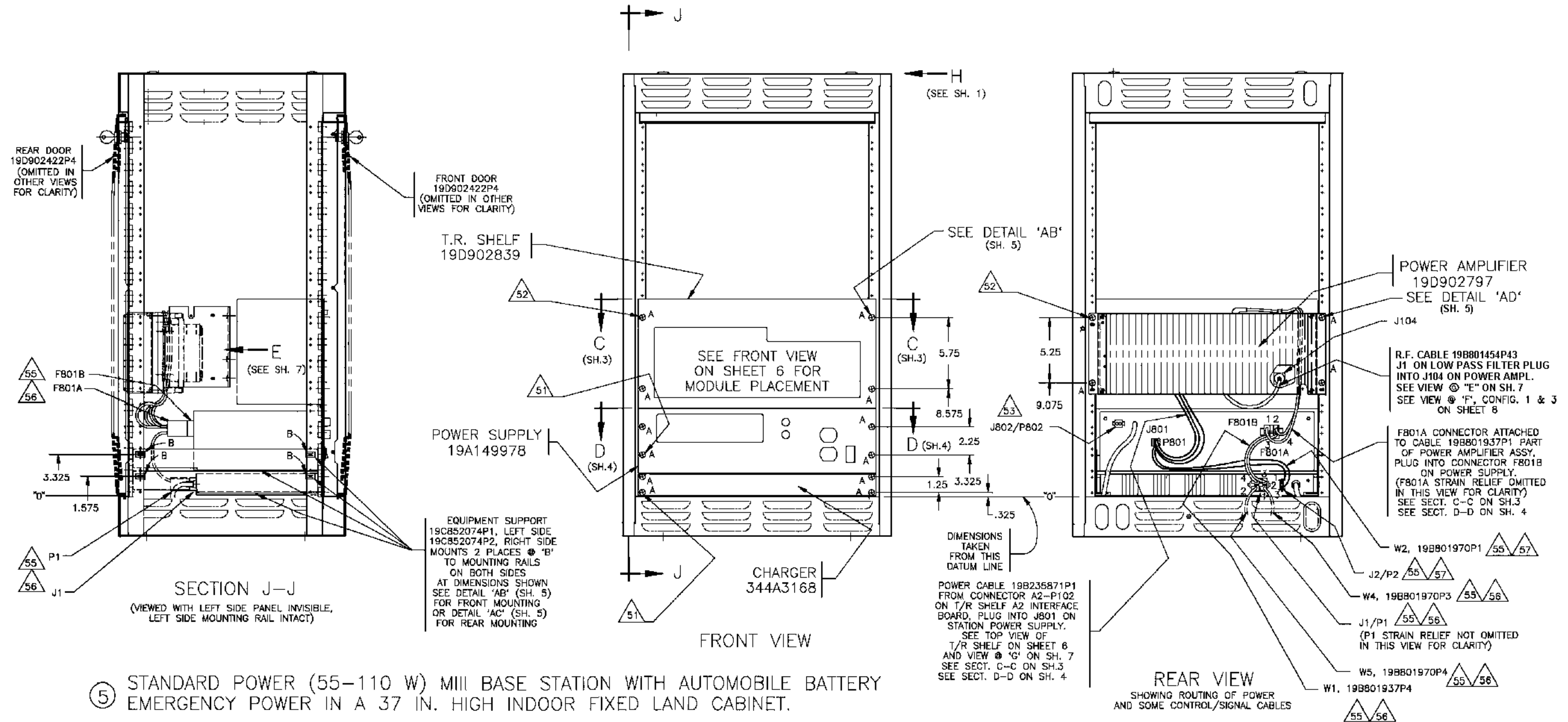
(19D902845, Sh. 8, Rev. 5)

MASTR III STATION
19D902854P4

(19D902845, Sh. 9, Rev. 3)

4 37in. HIGH INDOOR FIXED LAND CABINET
MASTR III STATION WITH DUPLEXER SHELF

- NOTES:
- 41 ITEMS REFERENCING THIS CALLOUT ARE CALLED FOR ON HARDWARE KIT P.L. 344A3450G4.
2. INSTALL CABLES AS SHOWN AND INTERCONNECT IN ACCORDANCE WITH INTERCONNECT DIAGRAM 19D903635 (CONFIGURATION 3)



- NOTES:

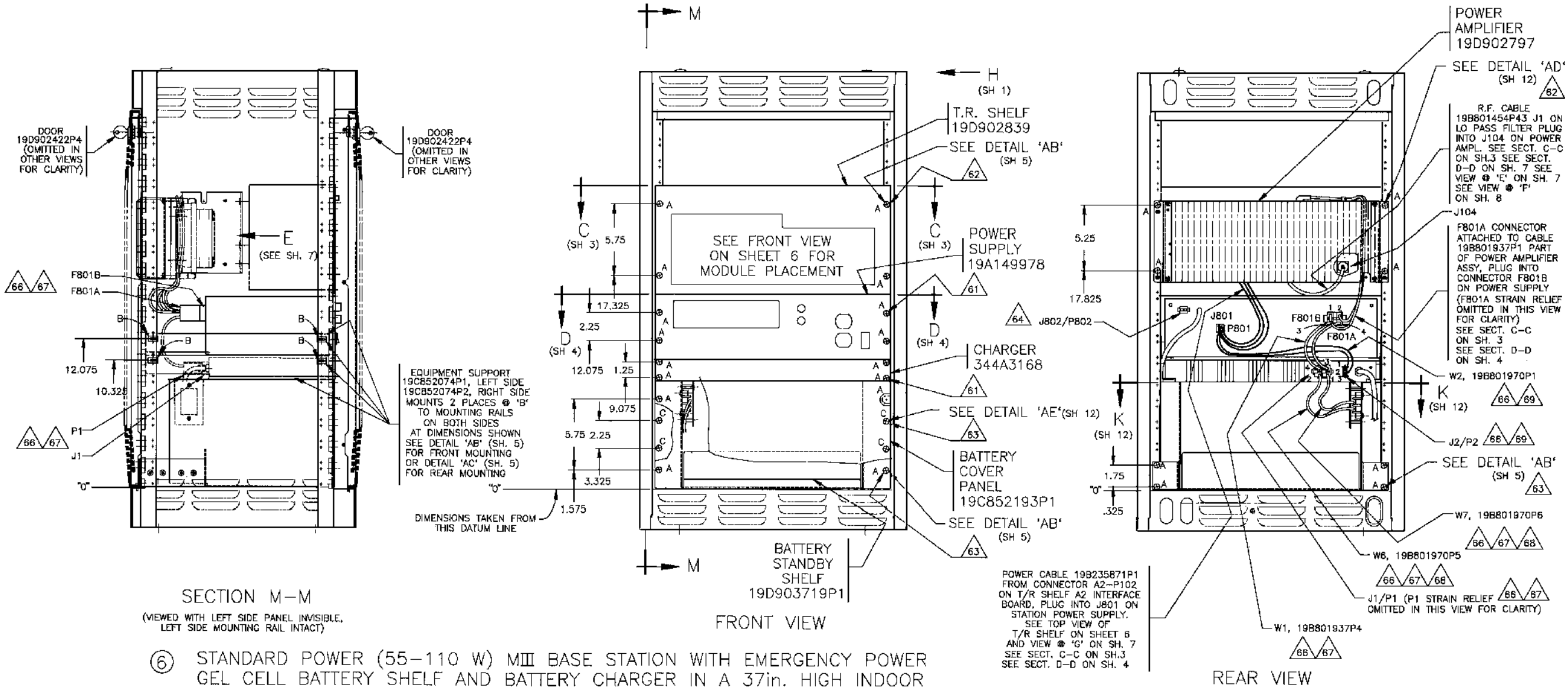
51. ITEMS REFERENCING THIS CALLOUT ARE CALLED FOR ON HARDWARE KIT PL344A3450G1
52. ITEMS REFERENCING THIS CALLOUT ARE CALLED FOR ON HARDWARE KIT PL344A3450G2
53. REMOVE PB02 FROM J602 ON POWER SUPPLY 19A149978.
54. INSTALL CABLES AS SHOWN AND INTERCONNECT IN ACCORDANCE WITH INTERCONNECT DIAGRAM 19D903635. SEE ALSO NOTES 55, 56, & 57.
55. INTERCONNECTION OF CABLES IN NOTES 56 & 57 TO BE CONSISTENT WITH INTERCONNECT DRAWING 19D903635.

56. REMOVE F801A OF PA LEAD ASSEMBLY 19B801937P1 FROM F801B OF POWER SUPPLY. REMOVE STRAIN RELIEFS FROM F801A AND FROM P1 OF W1.
INSERT THE BROWN WIRE OF W1 INTO THE NUMBER 3 CAVITY OF F801A.
INSERT THE BLACK WIRE OF W1 INTO THE NUMBER 4 CAVITY OF F801A.
INSERT THE CONTACT END OF W4 INTO THE NUMBER 1 CAVITY OF P1 OF W1.
INSERT THE CONTACT END OF W5 INTO THE NUMBER 2 CAVITY OF P1 OF W1.
REINSTALL STRAIN RELIEFS FOR P1 OF W1 AND F801A.
PLUG P1 OF W1 INTO J1 OF THE CHARGER.
PLUG F801A INTO F801B OF THE POWER SUPPLY.
CABLES W4 AND W5 ARE TO BE LEFT ROLLED UP AND LYING ON THE FLOOR OF THE CABINET.

57. PLUG P2 OF W2 INTO J2 ON THE CHARGER.
INSERT THE ORANGE WIRE OF W2 INTO THE NUMBER 8 CAVITY OF P801 OF CABLE ASSEMBLY 19B235871P1.
INSERT THE BLACK WIRE OF W2 INTO THE NUMBER 9 CAVITY OF P801 OF CABLE ASSEMBLY 19B235871P1.

MASTR III STATION
19D902845P5

(19D902845, Sh. 10, Rev. 1)

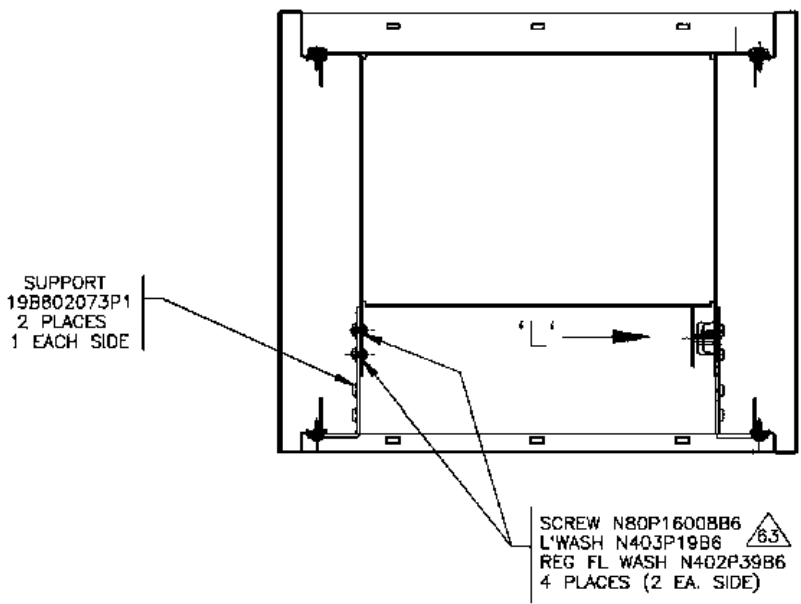
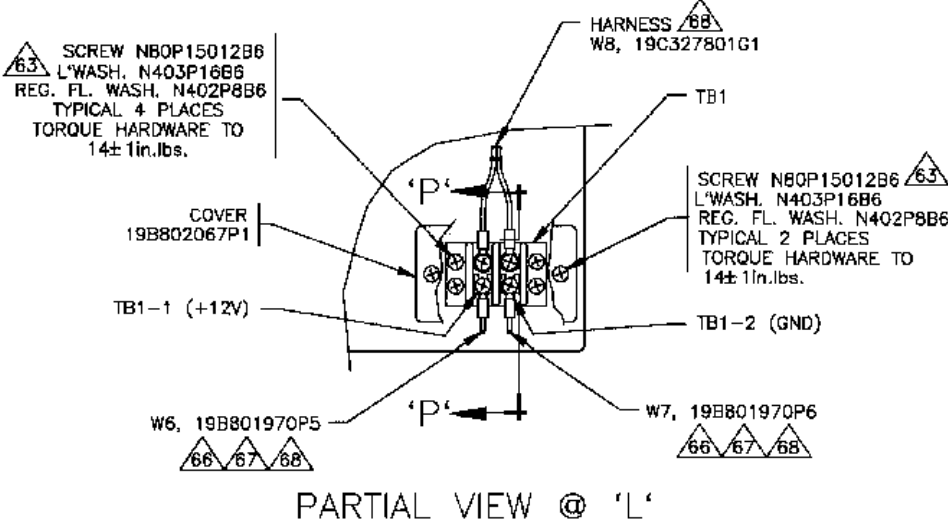


NOTES:

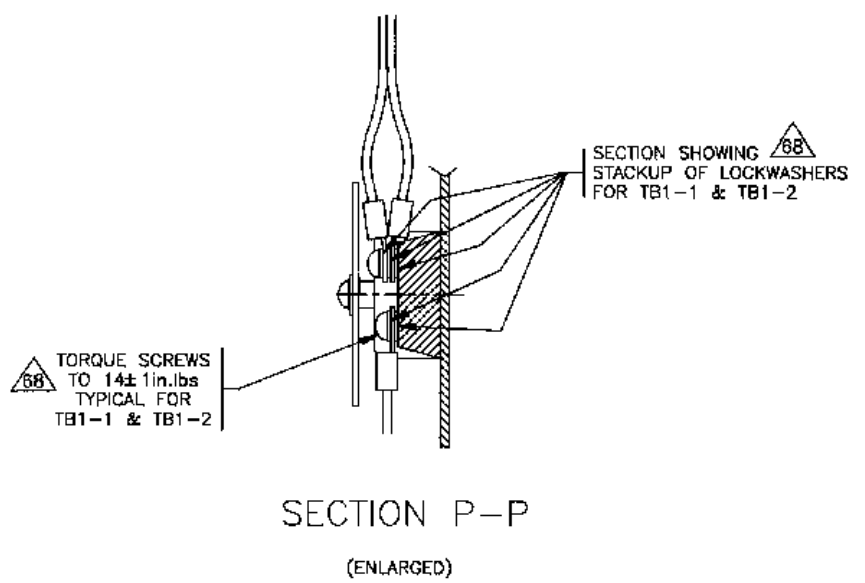
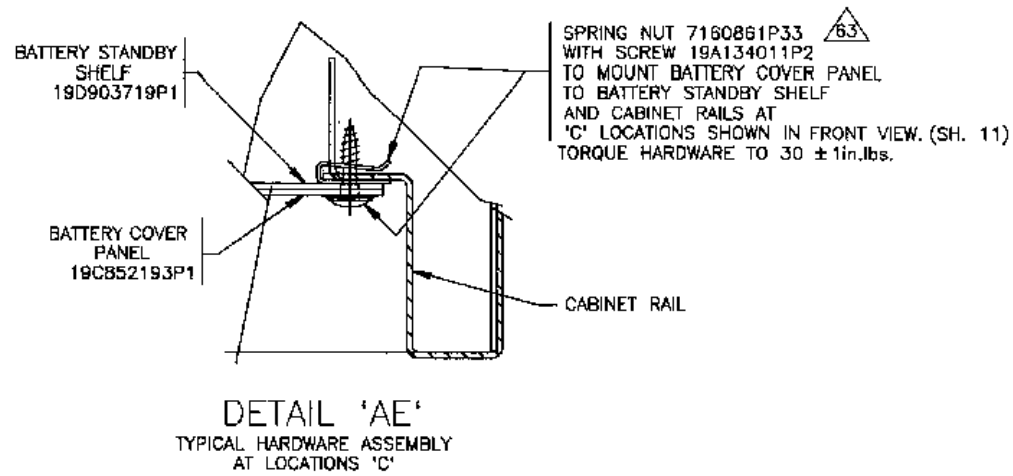
- 61. ITEMS REFERENCING THIS CALLOUT ARE CALLED FOR ON HARDWARE KIT PL344A3450G1.
- 62. ITEMS REFERENCING THIS CALLOUT ARE CALLED FOR ON HARDWARE KIT PL344A3450G2.
- 63. ITEMS REFERENCING THIS CALLOUT ARE CALLED FOR ON HARDWARE KIT PL344A3450G5.
- 64. REMOVE PB02 FROM J802 ON POWER SUPPLY 19A149978.
- 65. INSTALL CABLES AS SHOWN AND INTERCONNECT IN ACCORDANCE WITH INTERCONNECT DIAGRAM 19D903635. SEE ALSO NOTES 66, 67, 68 & 69.
- 66. INTERCONNECTION OF CABLES IN NOTES 67, 68 & 69 TO BE CONSISTENT WITH INTERCONNECTION DRAWING 19D903635.
- 67. REMOVE STRAIN RELIEFS FROM F801A OF THE PA LEAD ASSEMBLY, 19B801937P1, AND FROM P1 OF W1 (19B801937P4). INSERT THE BROWN WIRE OF W1 INTO THE NUMBER 3 CAVITY OF F801A. INSERT THE BLACK WIRE OF W1 INTO THE NUMBER 4 CAVITY OF F801A. INSERT THE HERMAPHRODITIC CONTACT OF W8 (19B801970P5) INTO THE NUMBER 1 CAVITY OF P1 OF W1. INSERT THE HERMAPHRODITIC CONTACT OF W7 (19B801970P6) INTO THE NUMBER 2 CAVITY OF P1 OF W1. REINSTALL STRAIN RELIEFS FOR P1 OF W1 AND F801A OF THE PA LEAD ASSEMBLY. PLUG P1 OF W1 INTO J1 OF THE CHARGER. PLUG F801A INTO F801B OF THE POWER SUPPLY.
- 68. CONNECT W6 TO THE "+12V" TERMINAL OF THE W8 (19C327801G1) TERMINAL BOARD. (TB1-1) CONNECT W7 TO THE "GND" TERMINAL OF THE W8 (19C327801G1) TERMINAL BOARD. (TB1-2)
- 69. PLUG P2 OF W2 (19B801970P1) INTO J2 ON THE CHARGER. INSERT THE ORANGE WIRE OF W2 INTO THE NUMBER 8 CAVITY OF PB01 OF CABLE ASSEMBLY 19B235871P1. INSERT THE BLACK WIRE OF W2 INTO THE NUMBER 9 CAVITY OF PB01 OF CABLE ASSEMBLY 19B235871P1.

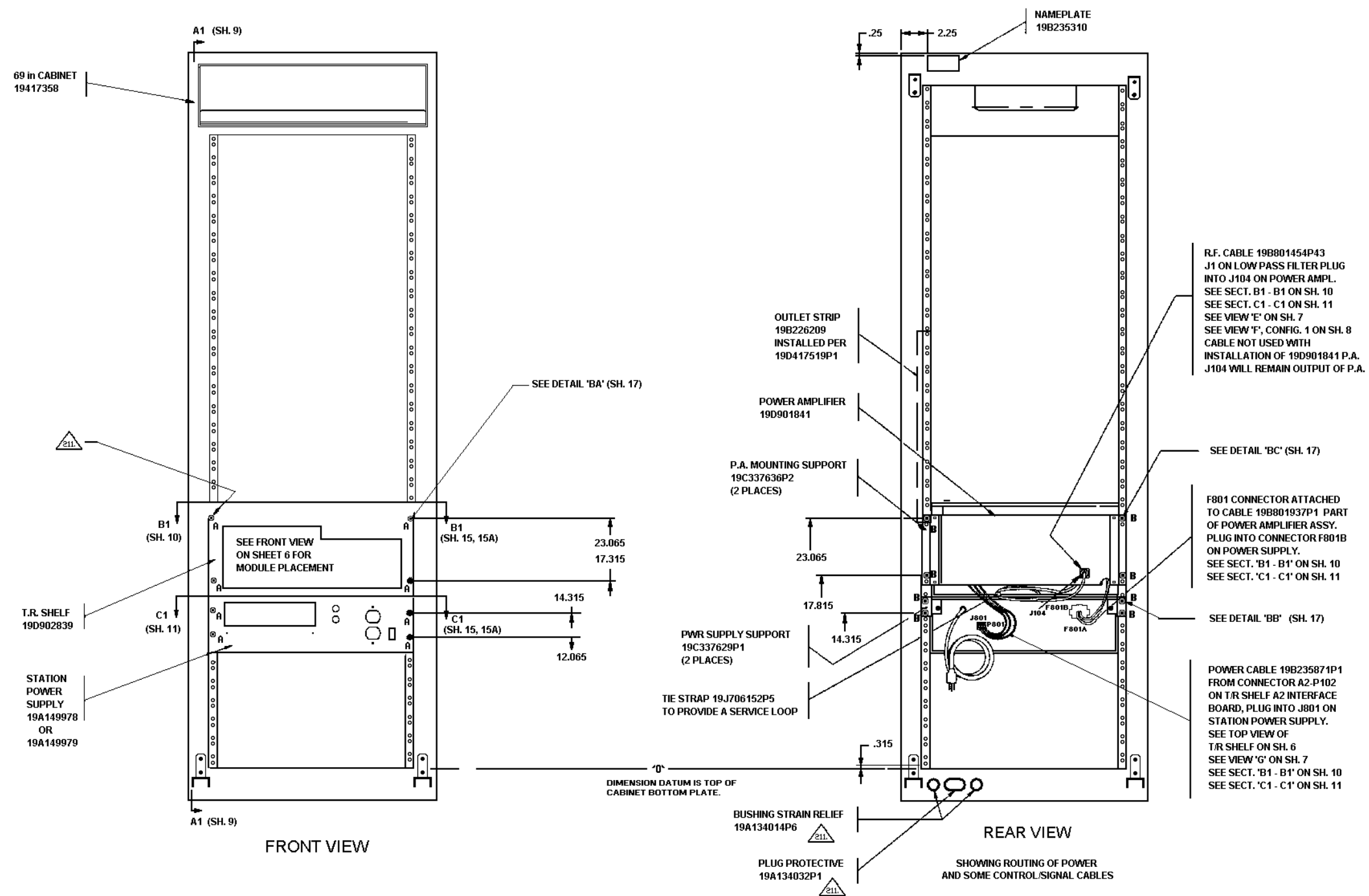
MASTR III STATION
19D902845P6

(19D902845, Sh. 11, Rev. 1)



SECTION K-K



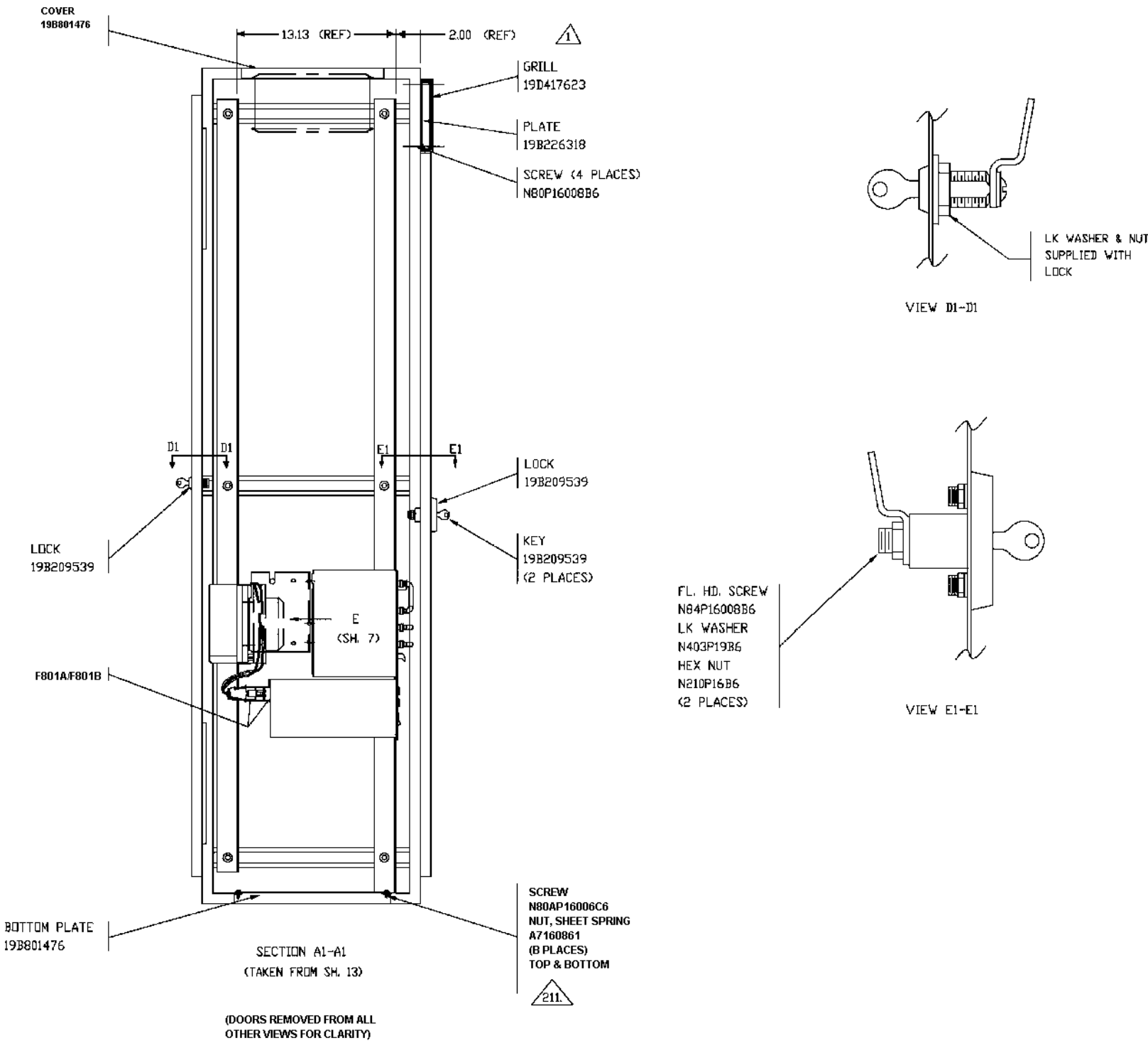


21 69 in. HIGH INDOOR FIXED LAND CABINET WITH
(1) MASTR III TRANSMIT/RECEIVE BASE STATION

211. ITEMS REFERENCING THIS CALLOUT ARE CALLED FOR ON
HARDWARE KIT P.L. 344A3450G21.
212. INSTALL CABLES AS SHOWN AND INTERCONNECT IN
ACCORDANCE WITH INTERCONNECT DIAGRAM 19D903635.
213. IF ADDITIONAL CONVENTIONAL STATION IS SUPPLIED TO
BE MOUNTED IN CABINET, MOUNT FIRST STATION AS SHOWN
AND SECOND STATION 3 RACK UNITS ABOVE FIRST STATION.

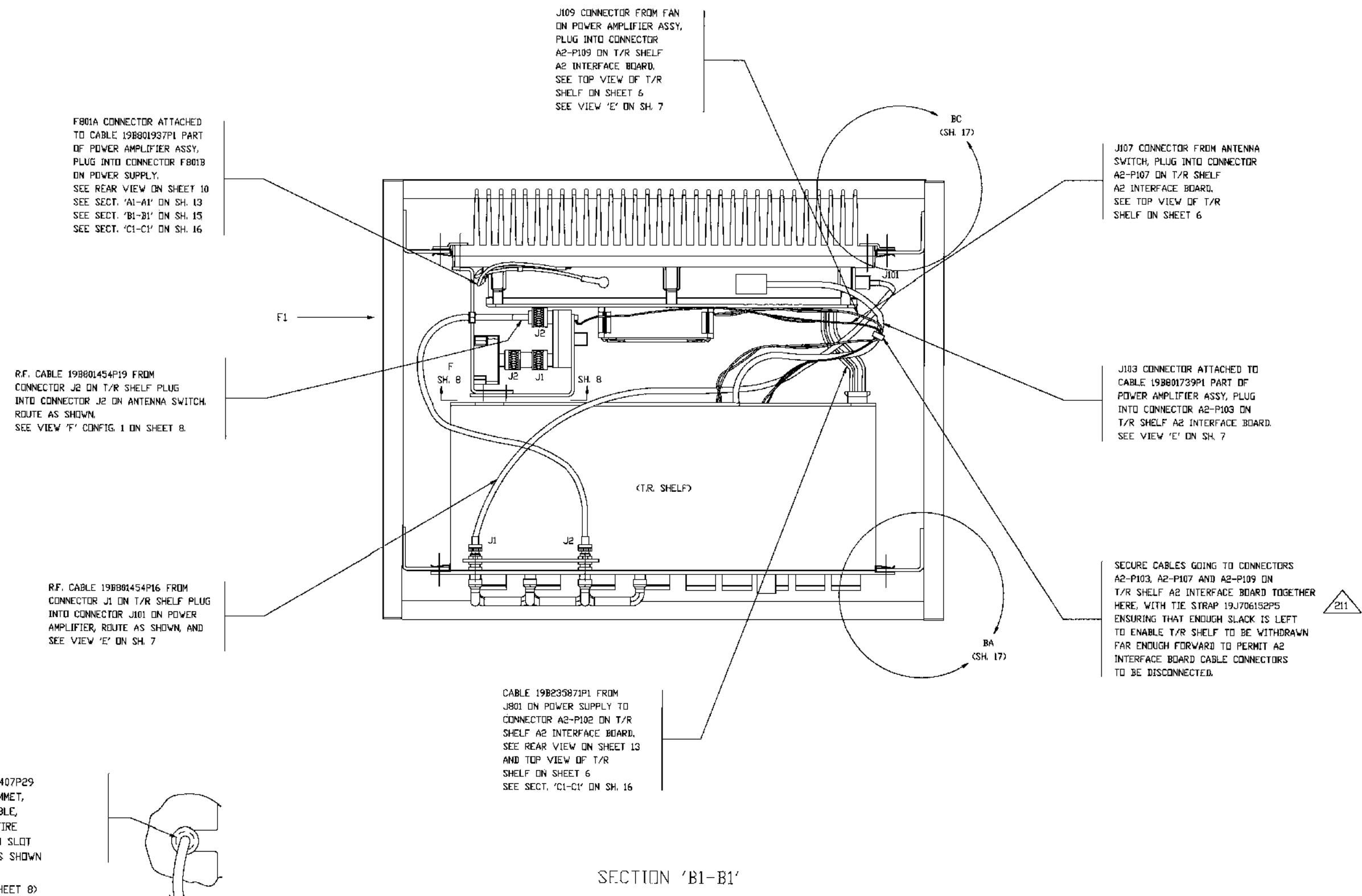
MASTR III STATION
19D902845P21

(19D902845, Sh. 13, Rev. 2)



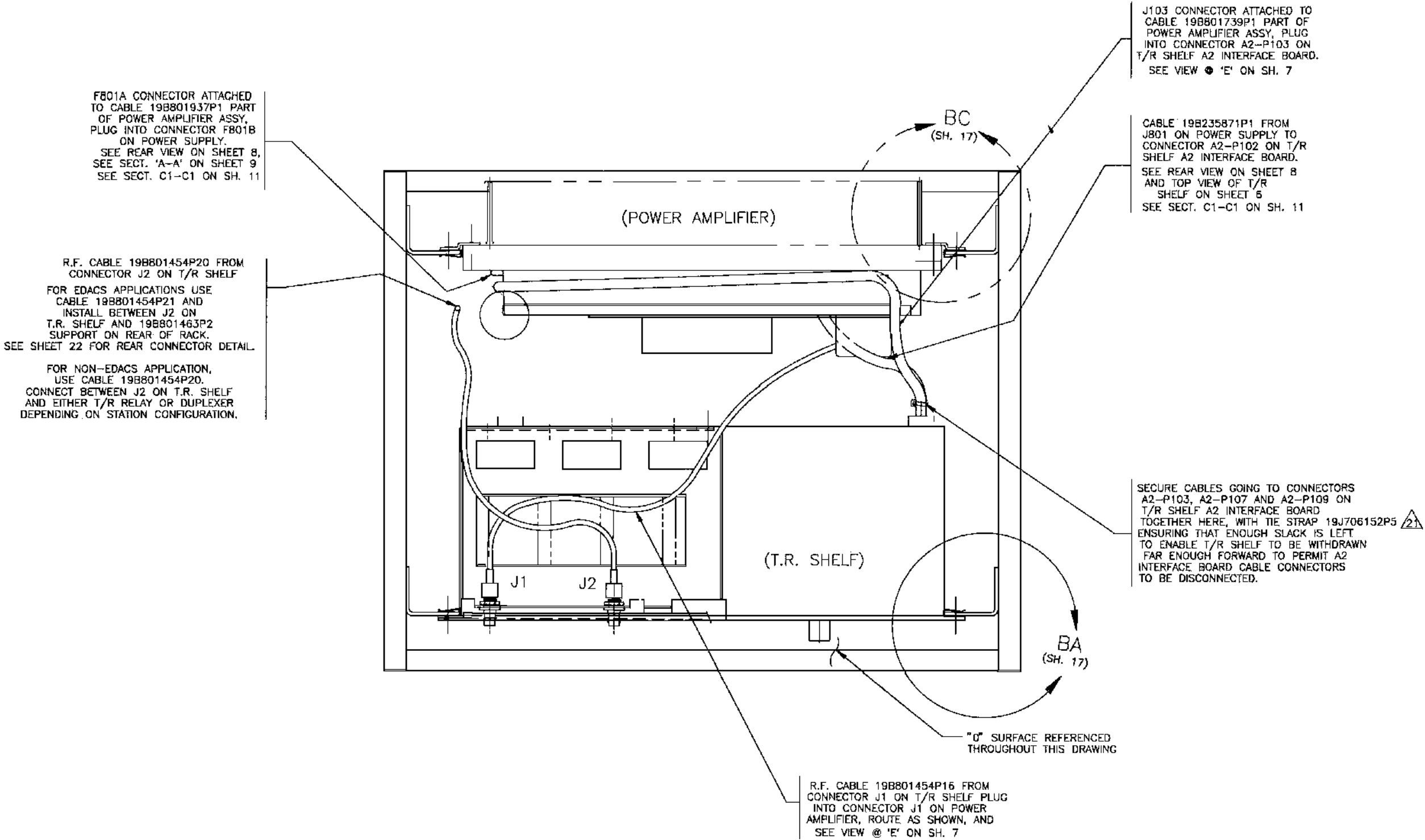
NOTES:

1 IF ERICSSON NAMEPLATE IS SUPPLIED, RETURN
GE NAMEPLATE TO STOCK OR DISCARD.



MASTR III STATION

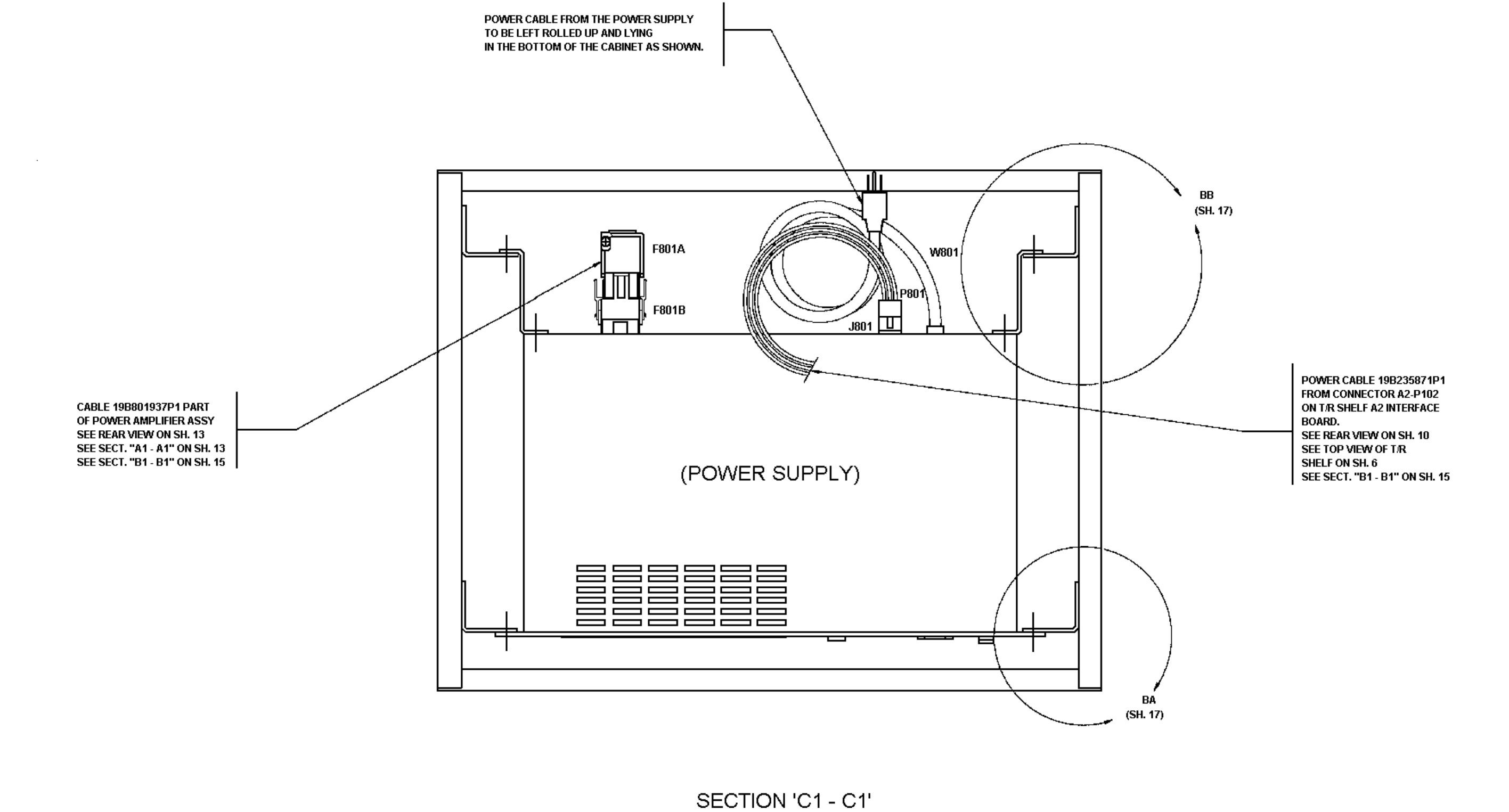
(19D902845, Sh. 15, Rev. 2)



SECTION B1-B1
800 MHz PA ASSEMBLY

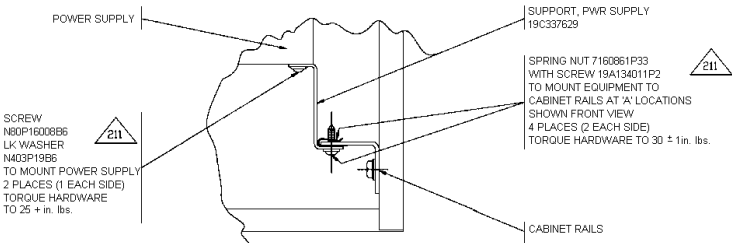
MASTR III STATION

19D902845, Sh. 15A, Rev. 2)

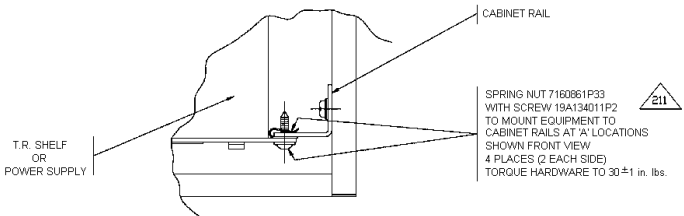


MASTR III STATION

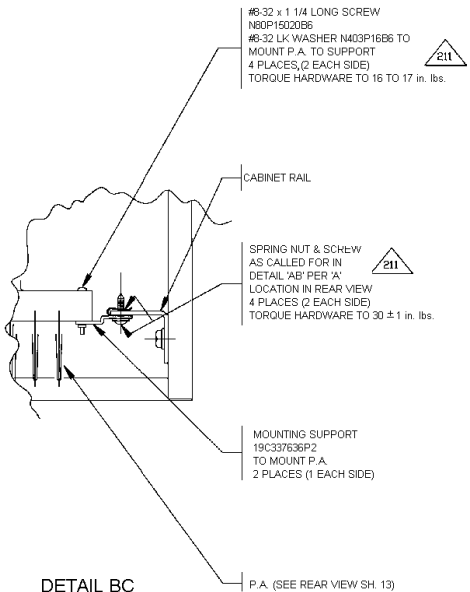
(19D902845, Sh. 16, Rev. 1)



DETAIL BB
TYPICAL HARDWARE ASSEMBLY
AT 'B' LOCATIONS AT REAR
OF CABINET.



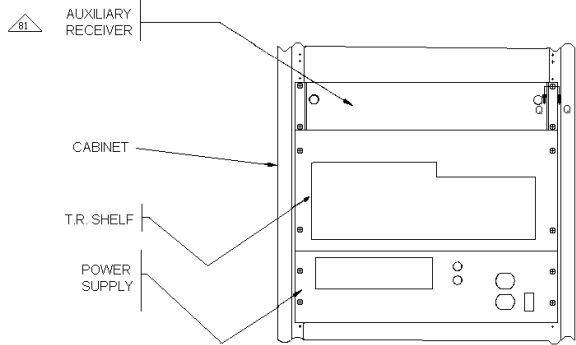
DETAIL BA
TYPICAL HARDWARE ASSEMBLY
AT 'A' LOCATIONS AT FRONT
OF CABINET.



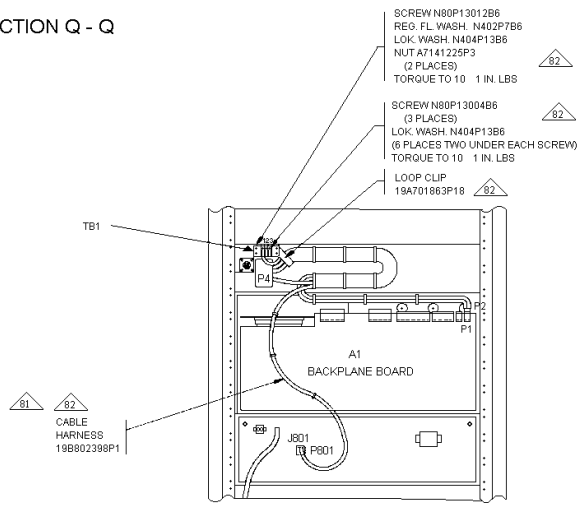
DETAIL BC
TYPICAL HARDWARE ASSEMBLY
AT 'B' LOCATIONS AT REAR
OF CABINET.



PARTIAL SECTION Q - Q



PARTIAL FRONT VIEW OF CABINET



PARTIAL REAR VIEW OF CABINET

⑧ 37 AND 69 INCH. HIGH INDOOR FIXED LAND CABINETS
MASTR III STATION WITH AUXILIARY RECEIVER.

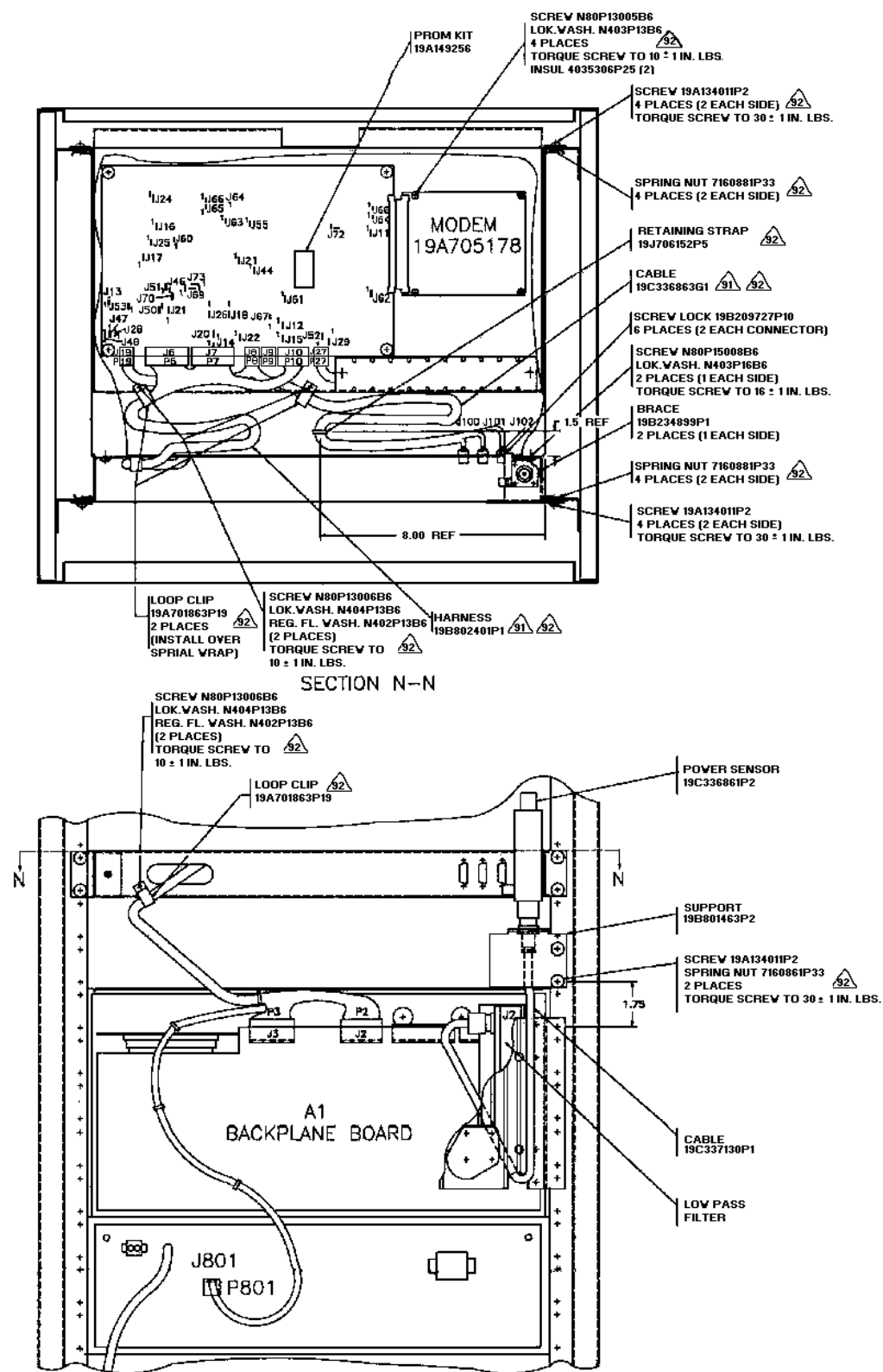
- NOTES:
- ⑧1 INSTALL THE AUXILIARY RECEIVER SHELF
AND CABLE HARNESS 19B802398P1
AS SHOWN. INTERCONNECT IN ACCORDANCE
WITH INTERCONNECT DIAGRAM 19B802438.
 - ⑧2 ITEMS REFERENCING THIS CALLOUT ARE
CALLED FOR ON HARDWARE KIT PL344A345058.

MASTR III STATION

(19D902845, Sh. 17, Rev. 1)

MASTR III STATION
19D902845P8

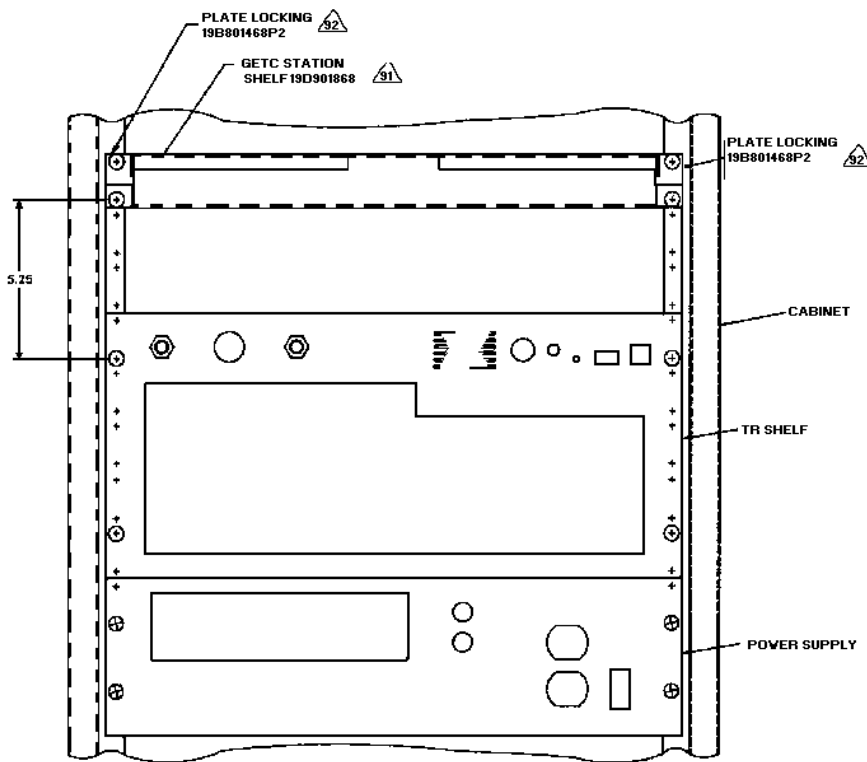
(19D902845, Sh. 18, Rev. 2)



MASTR III STATION
19D902845P9 & P10

PARTIAL REAR VIEW OF CABINET

(19D902845, Sh. 19, Rev. 4)



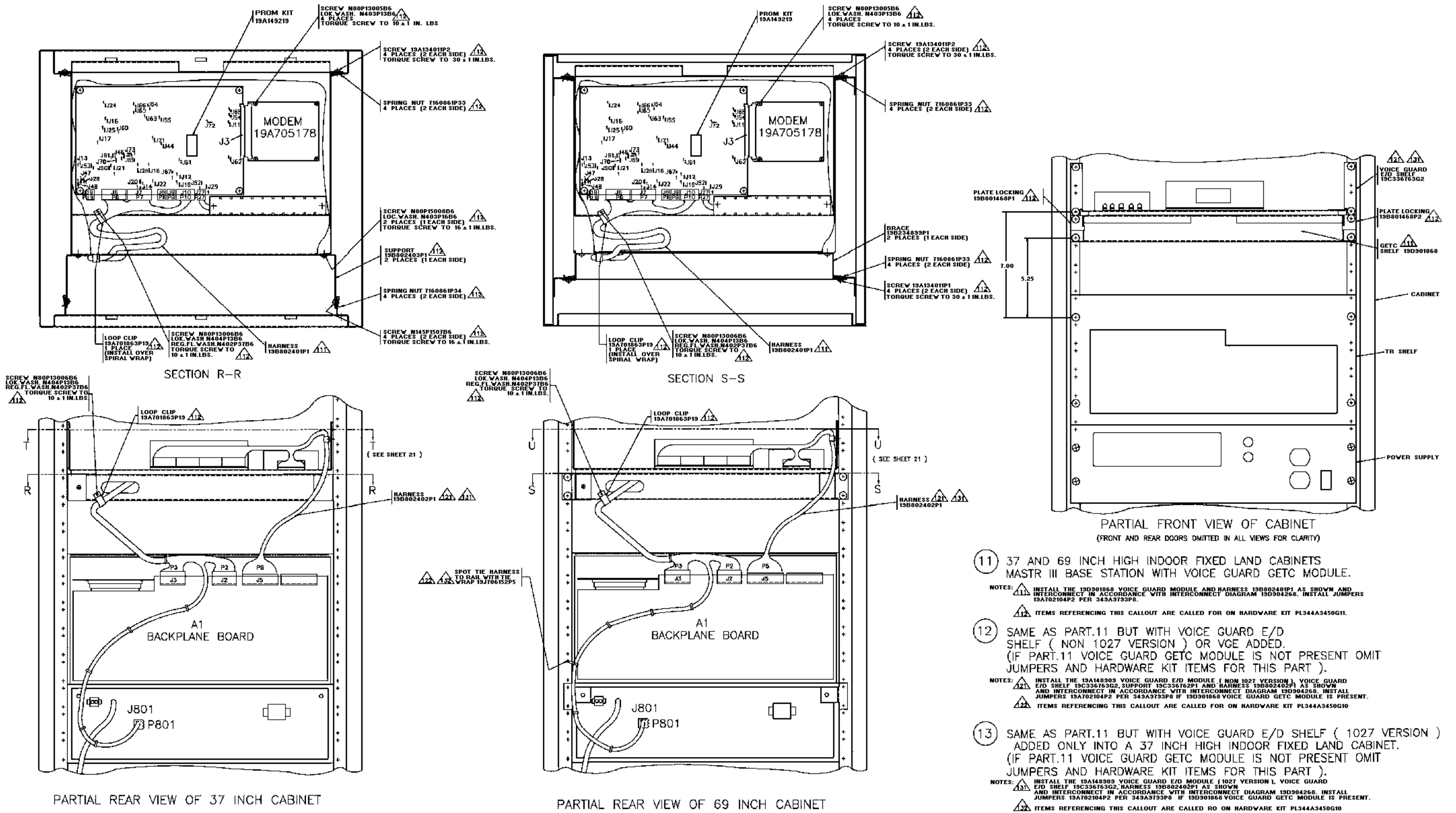
PARTIAL FRONT VIEW OF CABINET
(FRONT AND REAR DOORS OMITTED IN ALL VIEWS FOR CLARITY)

9 69 INCH HIGH INDOOR FIXED LAND CABINET
MASTR III BASE STATION WITH GETC SHELF.

NOTES:

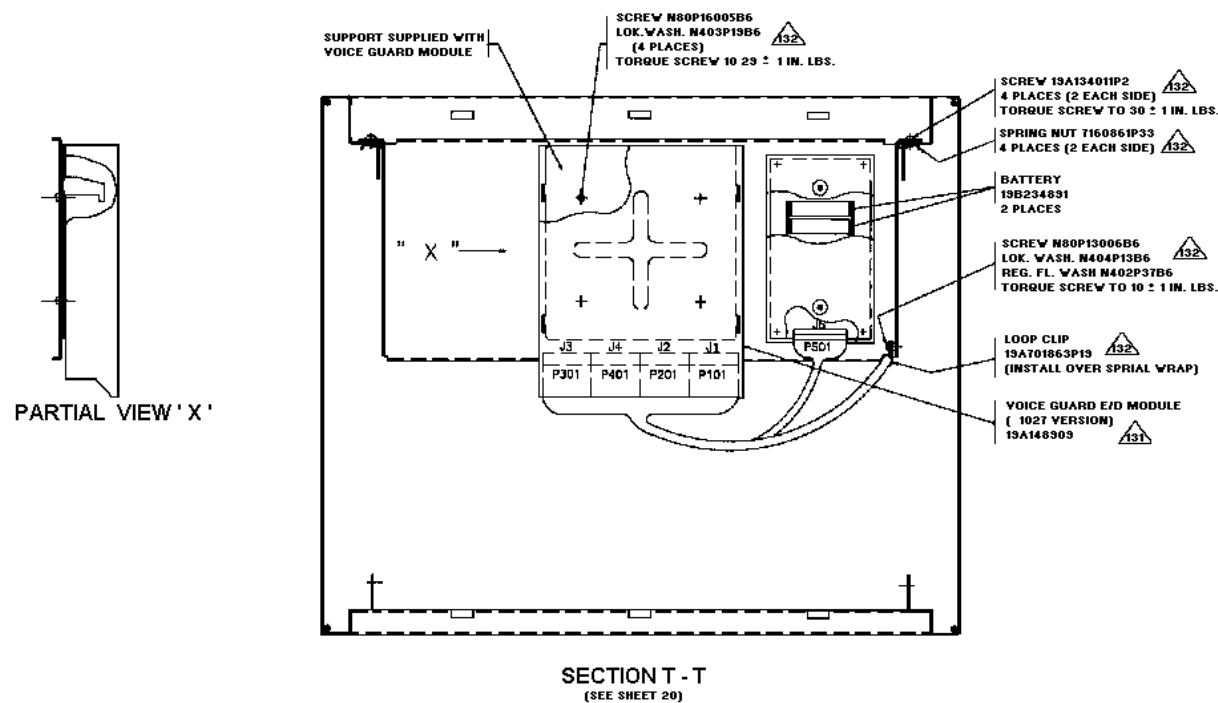
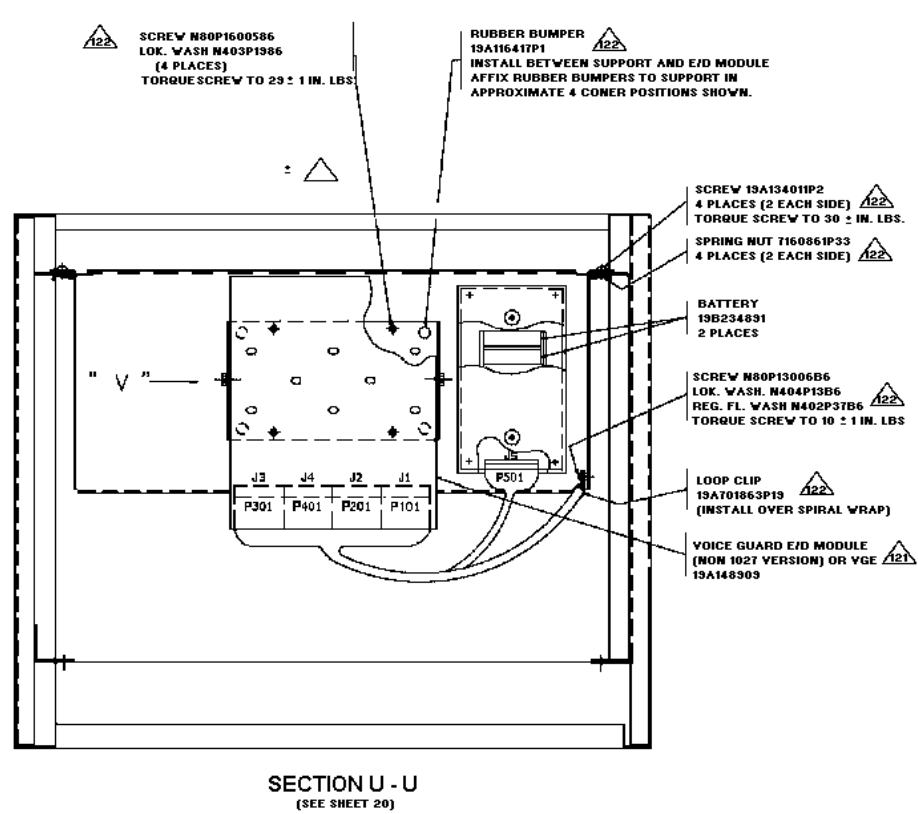
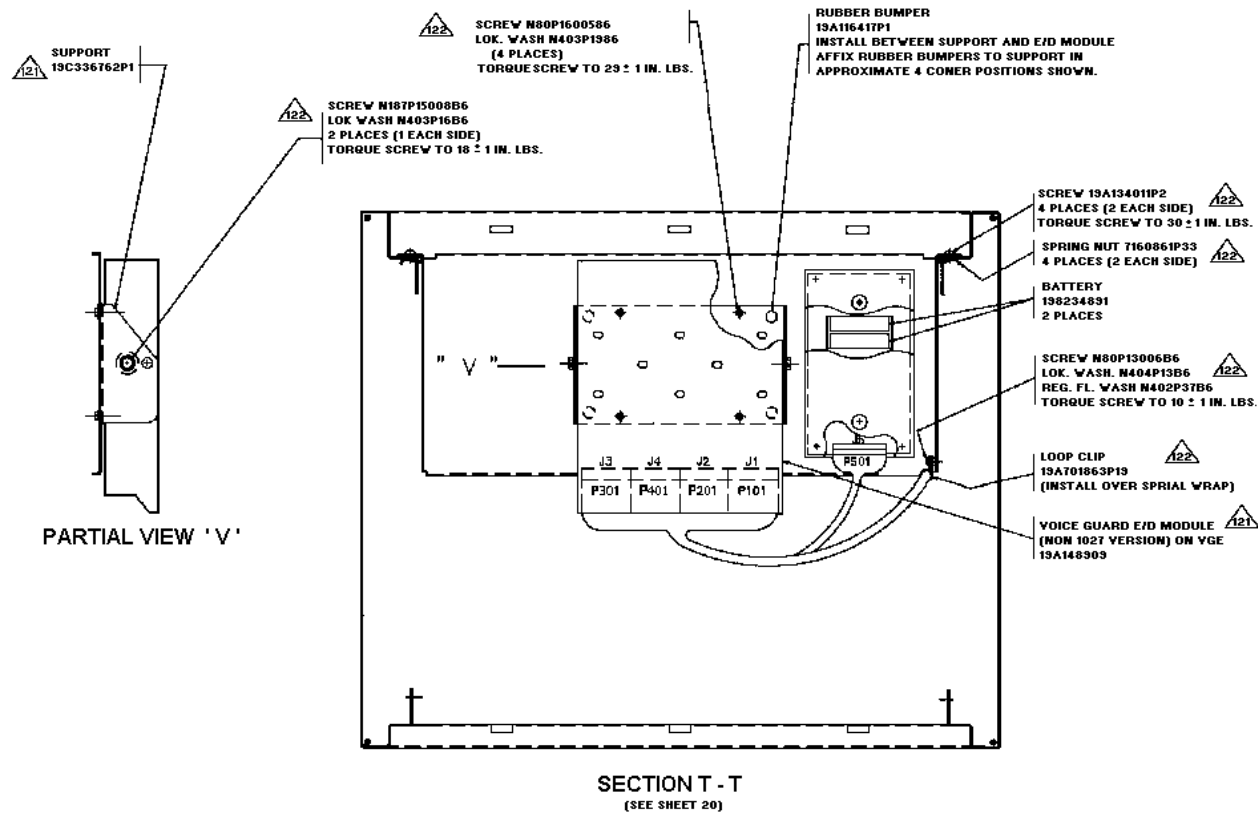
- 91 INSTALL THE GETC SHELF 19D901868, HARNESS 19B802240P1 AND CABLE 19C336863G1 AS SHOWN AND INTERCONNECT IN ACCORDANCE WITH INTERCONNECT DIAGRAM 19D904268. INSTALL JUMPERS 19A702104P2 PER 349A3793P1.
- 92 ITEMS REFERENCING THIS CALLOUT ARE CALLED FOR ON HARDWARE KIT PL344A3450G3.
- 93. INSTALL EDACS INTERFACE PANEL 19D904009P1 PER 19D904009P101 AND INTERCONNECT IN ACCORDANCE WITH INTERCONNECT DIAGRAM 19D904268. MOUNTING SCREWS AND SPRING NUTS ARE CALLED FOR ON HARDWARE KIT PL344A3450G3.
- 134. REMOVE WIRE FROM P19-5 ON 802401P1 AND INSTALL IN P19-5 ON 19C336863.

10 INSTALLATION OF 19A705178P1 MODEM



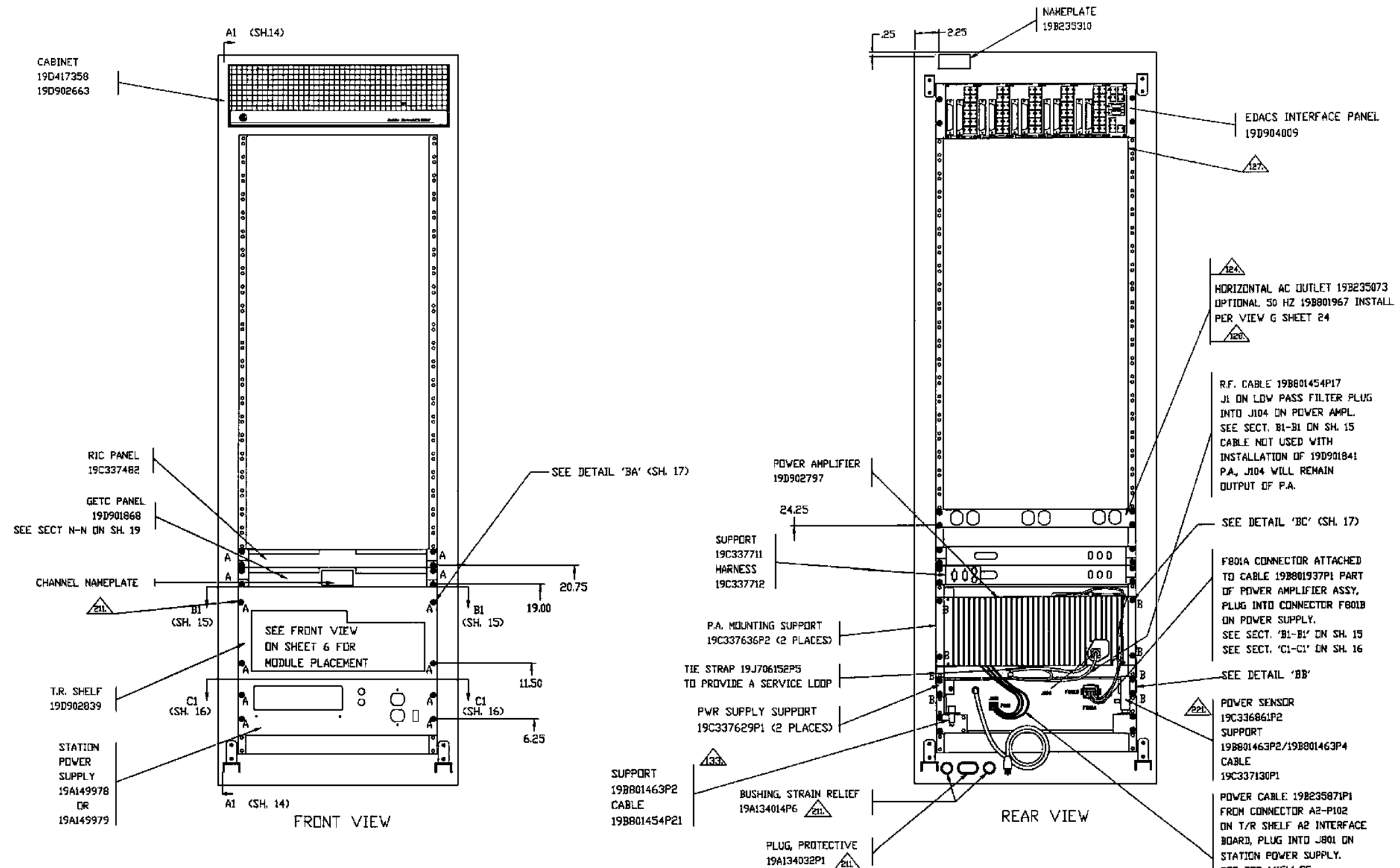
MASTR III STATION
19D902845P11 - P13

(19D902845, Sh. 20, Rev. 3)



MASTR III STATION

(19D902845, Sh. 21, Rev. 2)



15 CABINET WITH MASTR III STATION
(DOORS REMOVED FOR CLARITY)

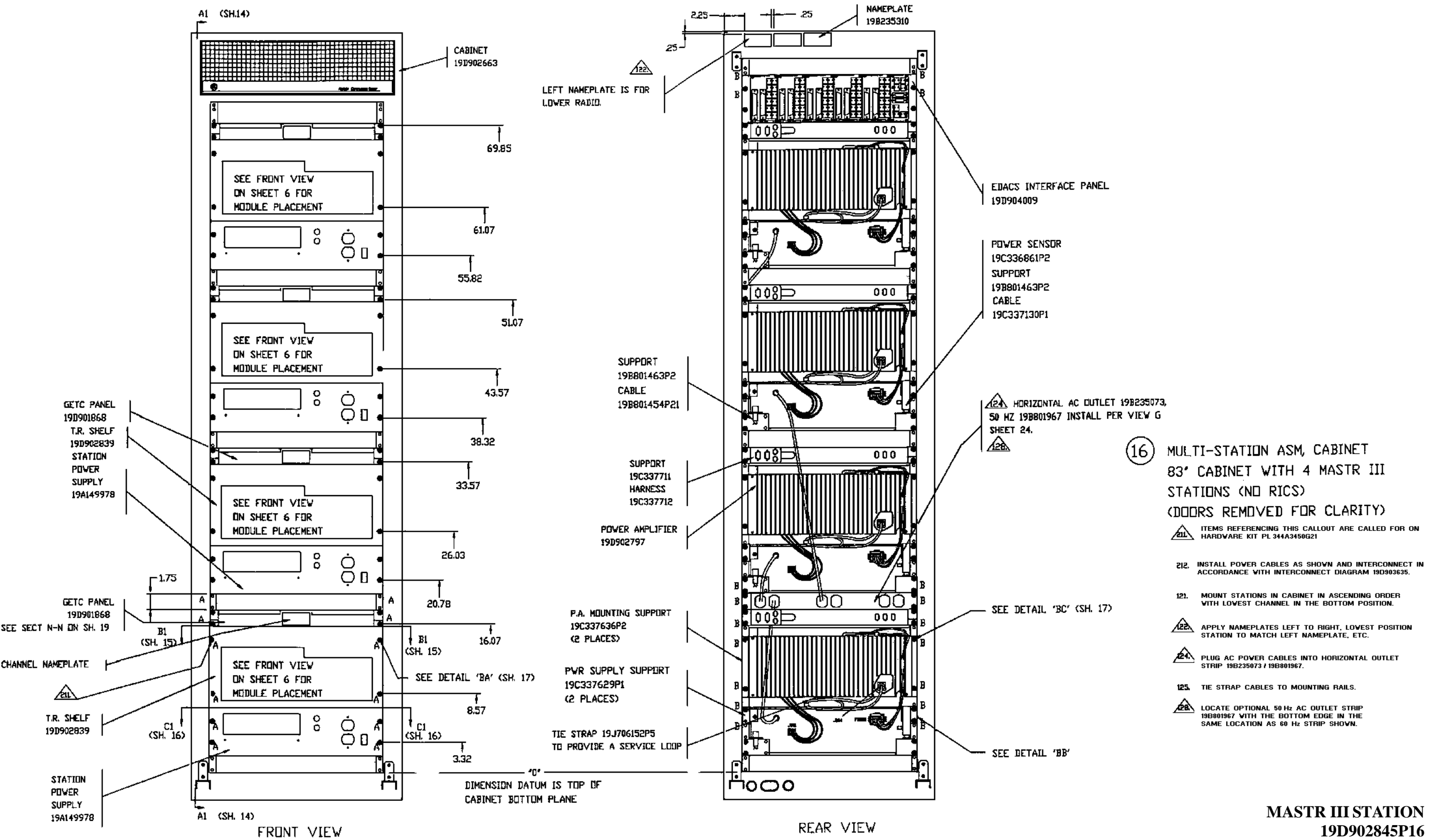
- 211. ITEMS REFERENCING THIS CALLOUT ARE CALLED FOR ON HARDWARE KIT PL 344A3450621.
- 212. INSTALL CABLES AS SHOWN AND INTERCONNECT IN ACCORDANCE WITH INTERCONNECT DIAGRAM 19D903635.
- 121. MOUNT STATIONS IN CABINET IN ASCENDING ORDER WITH LOWEST CHANNEL IN THE BOTTOM POSITION.

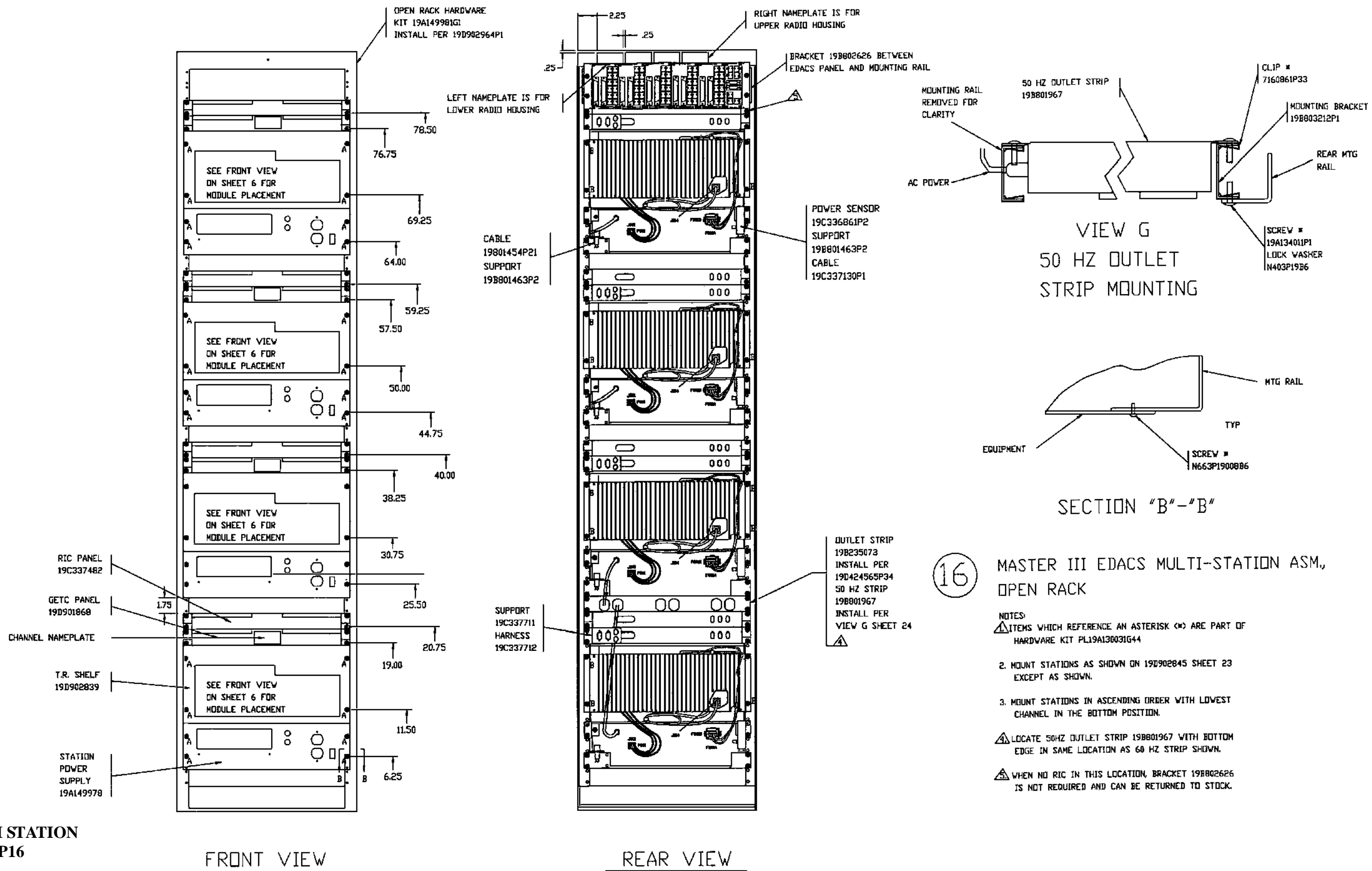
- 124. PLUG AC POWER CABLES INTO HORIZONTAL OUTLET STRIP 19B235073 / 19B801967.
- 125. TIE STRAP CABLES TO MOUNTING RAILS.
- 127. WHEN THERE IS NO RIC PANEL 19C337482 IN THIS POSITION, THE EDACS INT. PANEL CAN BE MOUNTED 1 RACK UNIT LOWER FOR EASIER CABLE ROUTING.

- 128. LOCATE 50 HZ AC OUTLET STRIP 19B801967 WITH BOTTOM EDGE IN THE SAME LOCATION AS 60 HZ STRIP SHOWN.
- 133. SEE SECTION C-C SHEET 3A FOR CONNECTION OF 801454P21 CABLE.
- 221. FOR INSTALLATION OF 19B801463P4 SUPPORT. SEE DETAIL BG SHEET 17. LOCATE SUPPORT IN SAME POSITION AS 19B801463P2 SUPPORT SHOWN. RETURN P2 SUPPORT TO STOCK. ATTACH RF CABLE TO PA CONNECTOR USING 7777145P4 RIGHT ANGLE CONNECTOR.

MASTR III STATION
19D902845P15

(19D902845, Sh. 22, Rev. 5)



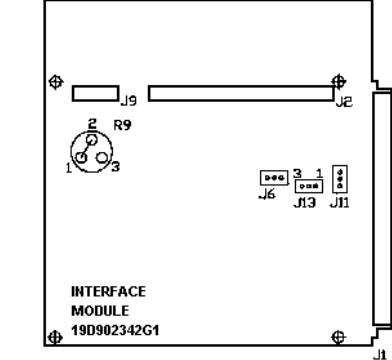


MASTR III STATION
19D902845P16

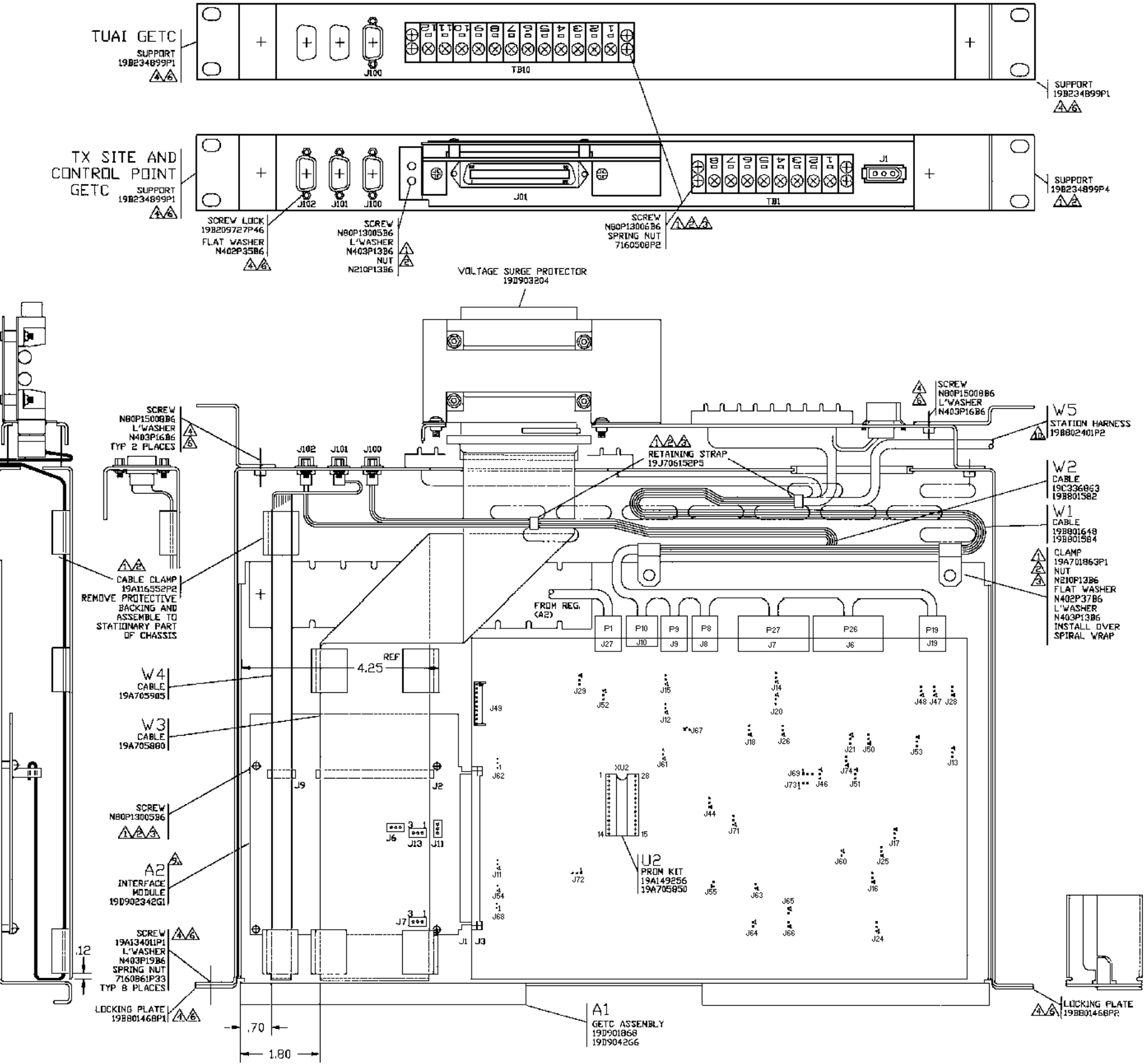
(19D902845, Sh. 24, Rev. 4)

DETAIL SIMULCAST GETC
FOR STATION RACK-UP SEE SHEET 28

- NOTES:
- ▲ PART OF HARDWARE KIT PL19A149821G1
 - ▲ PART OF HARDWARE KIT PL19A149821G2
 - ▲ PART OF HARDWARE KIT PL19A149821G3
 - ▲ PART OF HARDWARE KIT PL19A130031G30
 - ▲ PART OF HARDWARE KIT PL19A130031G40
 - ▲ PART OF HARDWARE KIT PL19A130031G41
 - 7. SEE DRAWING 349A9793P2 FOR JUMPER CONFIGURATION
 - 8. THESE INSTRUCTIONS SUPERCEDE GETC ASSEMBLY INSTRUCTIONS SHOWN ON APPLICATION ASSEMBLY 19D417483. REMOVE R9 FROM INTFC MODULE (19D902342G1). INSTALL WIRE FROM P1-P2 WHERE POT WAS REMOVED.



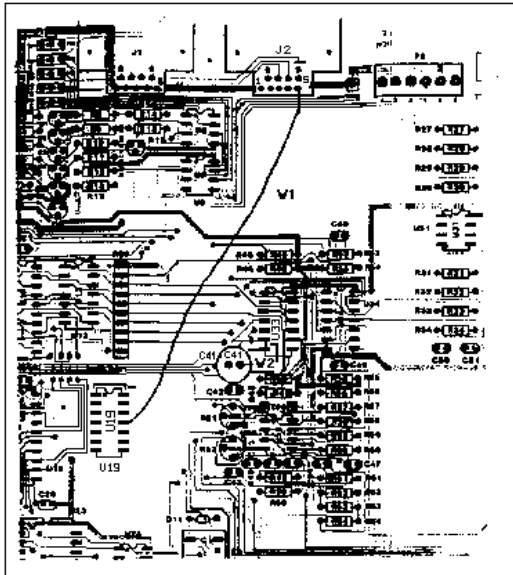
▲ REMOVE WIRES FROM P19-5 AND P19-3 ON THE 19B802401P2 HARNESS, AND INSTALL IN P19-5 AND P19-3 OF 19C336863G1 HARNESS.



MASTR III STATION

(19D902845, Sh. 25, Rev. 2)

MODIFICATION INSTRUCTION

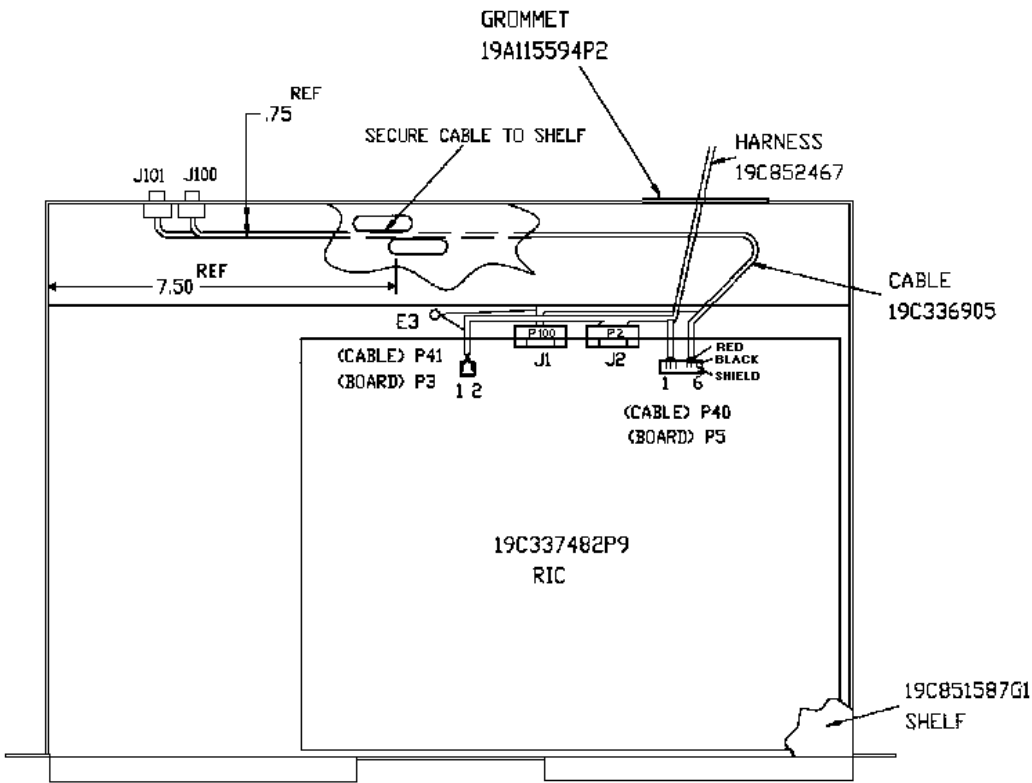


RIC

- 1) CUT PATTERN AT J2 PIN 9, U19 PIN 11, AND U33 PIN 6.
- 2) CONNECT W1 FROM J2 PIN 9 TO U19 PIN 11.
- 3) CONNECT W2 FROM U33 PIN 6 TO U33 PIN 7.
- 4) CUT THE LOCAL PTT LINE ON THE 19B802401P1 HARNESS AT P7 PIN 8 ON THE GETC.
- 5) MATERIAL SUPPLIED IN 349A9784G1 MOD KIT.

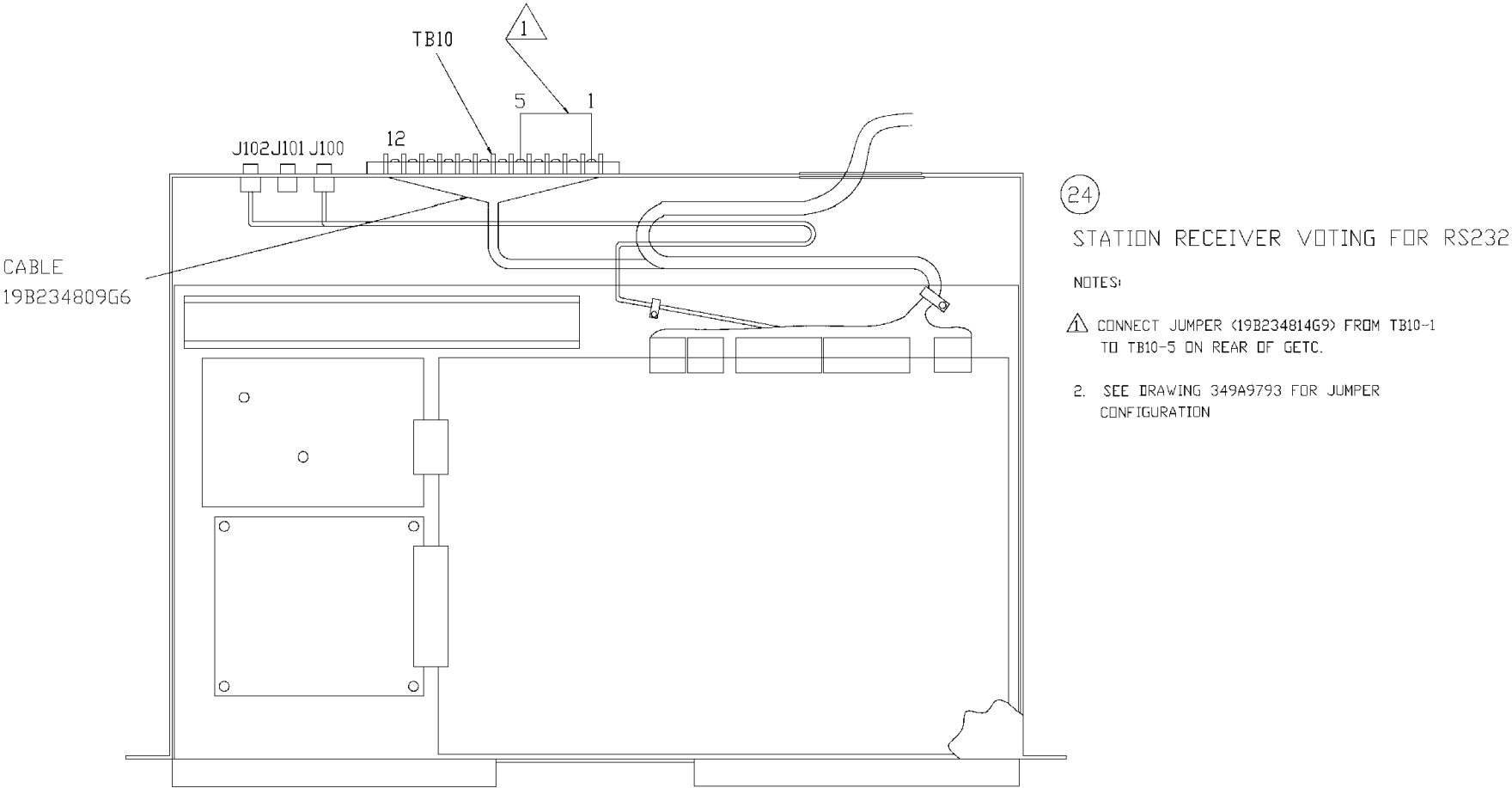
23 INSTALLATION INSTRUCTION

- 1) AFTER MODIFYING THE RIC, CONNECT P100 OF CABLE 19C336905 TO J1.
- 2) INSERT RED, BLACK, AND SHIELD FROM CABLE 19C336905 INTO THE SLOTS OF J5 OF THE MASTER III RIC CABLES AS FOLLOWS:
 - RED - PIN 4
 - BLACK - PIN 5
 - SHIELD - PIN 6
- 3) CONNECT P2 OF MASTER III RIC CABLE TO J2 ON THE RIC.
- 4) CONNECT J3 OF MASTER III RIC CABLE TO P3 ON THE RIC.
- 5) INSTALL GROUND LUGS FROM 19C852467 HARNESS AND 19C336905 CABLE ON E3 USING #6 HARDWARE.



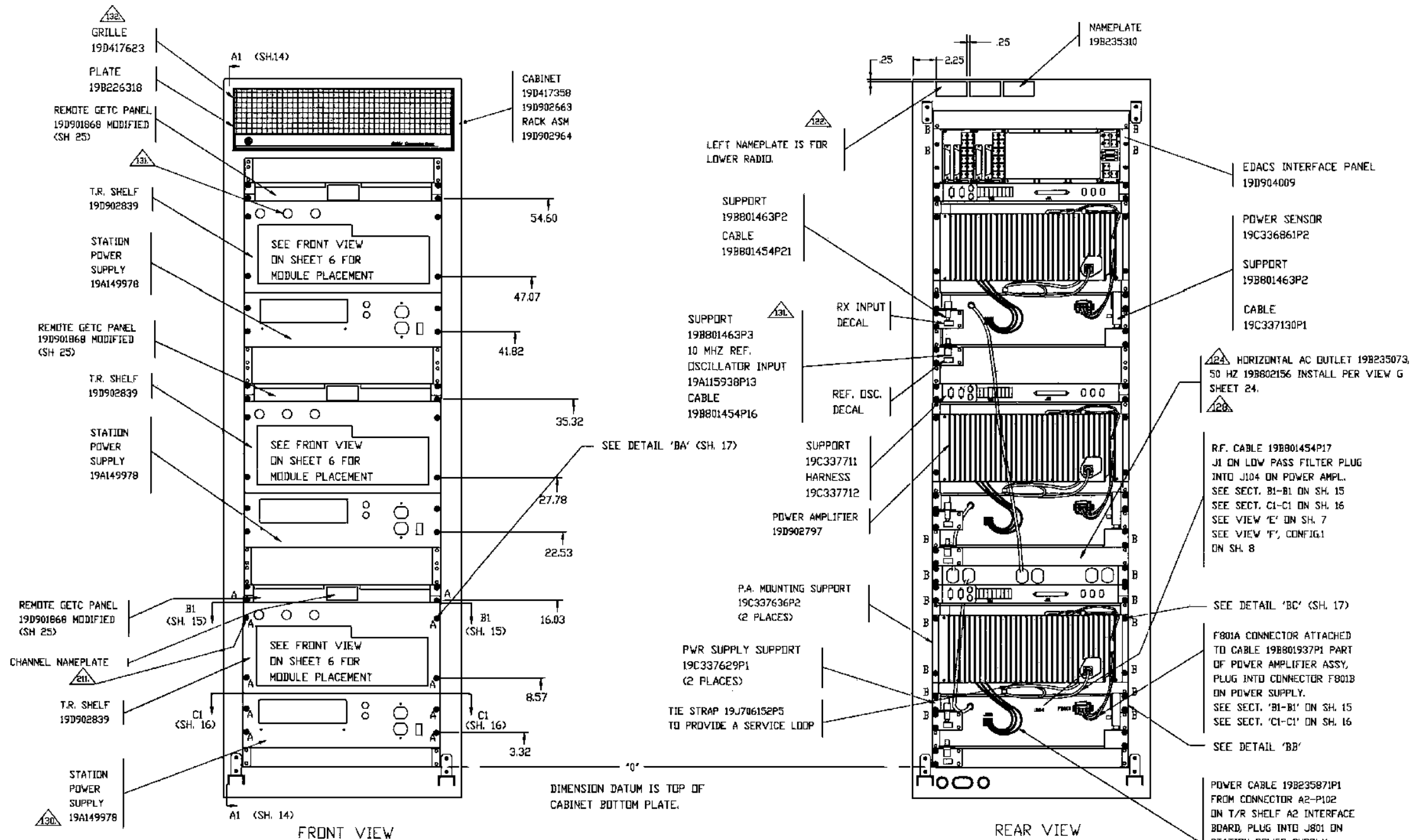
MASTR III STATION
19D902845P23

(19D902845, Sh. 26, Rev. 5)



MASTR III STATION
19D902845P24

(19D902845, Sh. 27, Rev. 30)



SIMILAR TO 19D902845P16
EXCEPT AS NOTED:

22 SIMULCAST MASTR III APPL ASM
(DOORS REMOVED FOR CLARITY)

ITEMS REFERENCING THIS CALLOUT ARE CALLED FOR ON
HARDWARE KIT PL 344A3450G21.

212. INSTALL CABLES AS SHOWN AND INTERCONNECT IN
ACCORDANCE WITH INTERCONNECT DIAGRAM 19D903635.

211. MOUNT STATIONS IN CABINET IN ASCENDING ORDER
WITH LOWEST CHANNEL IN THE BOTTOM POSITION.

122. APPLY NAMEPLATES LEFT TO RIGHT, LOWEST POSITION
STATION TO MATCH LEFT NAMEPLATE, ETC.

123. MOUNT THIRD STATION WITH SIMILAR SPACING AS
SECOND STATION.

124. PLUG AC POWER CABLES INTO HORIZONTAL
OUTLET STRIP 19B235073 / 19B801967.

125. TIE STRAP CABLES TO MOUNTING RAILS.

125. FOR 83" CABINET (19D9026630), MOUNT STATIONS
AS SHOWN WITH EDACS INTERFACE PANEL IN TOP
RACK UNITS AS SHOWN.

128. LOCATE OPTIONAL 50Hz AC OUTLET STRIP
19B801967 WITH THE BOTTOM EDGE IN THE
SAME LOCATION AS 60 Hz STRIP SHOWN.

130. WHEN POWER SUPPLY IS REPLACED BY
19C327627 DC FUSE PANEL, MOUNT PANEL
WITH TOP IN THE SAME LOCATION AS TOP
OF POWER SUPPLY.

131. ADD 10 MHz REF OSCILLATION CONNECTION
A) REMOVE BUTTON PLUG ABOVE RX SYN. MOD.
B) ADD FEED THRU CONNECTOR 19A115938P13 TO
CONN. SUPPORT BRACKET BEHIND BUTTON PLUG.

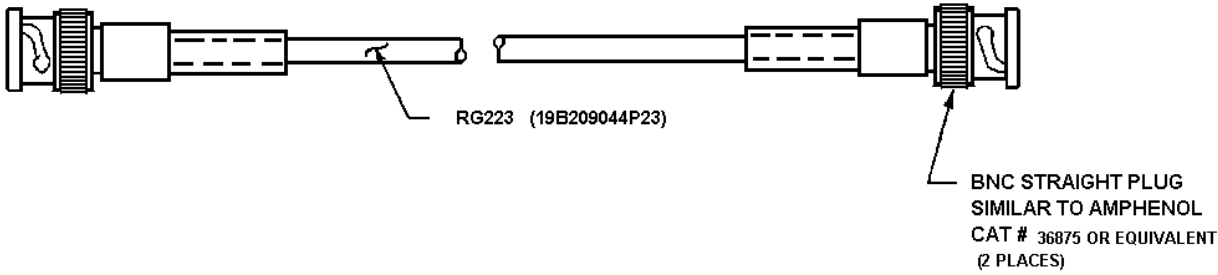
C) ATTACH RF CABLE 344A3052P1 FROM RX
SYNTHESIZER MODULE 19D902781 J4 TO FEED
THRU CONNECTOR.

D) ATTACH 19B801454P16 CABLE FROM FEED
THRU CONNECTOR TO CONNECTOR 19A115938P13
AS SHOWN.

132. IF ERICSSON NAMEPLATE IS SUPPLIED, RETURN
GE NAMEPLATE TO STOCK OR DISCARD.

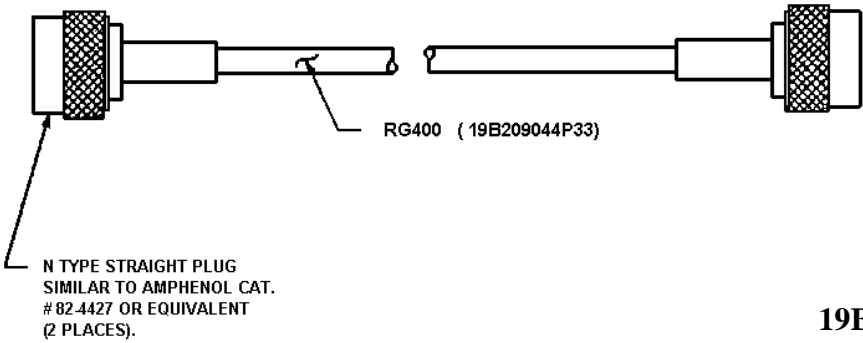
MASTR III STATION
19D902845P22

(19D902845, Sh. 28, Rev. 1)



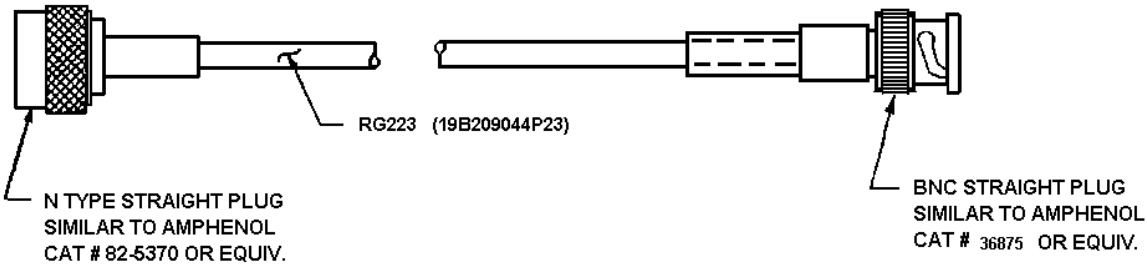
19B801454P16

(19B801454, Sh. 10, Rev. 9)



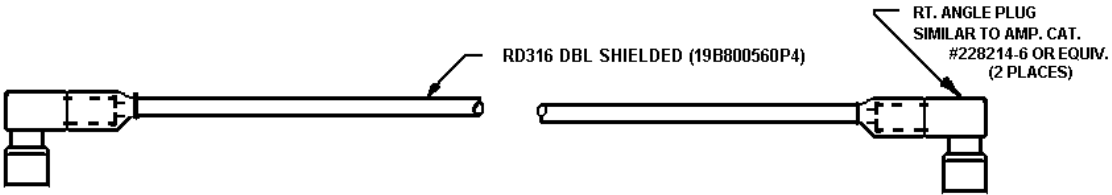
19B801454P17 & P18

(19B801454, Sh. 11, Rev. 9)



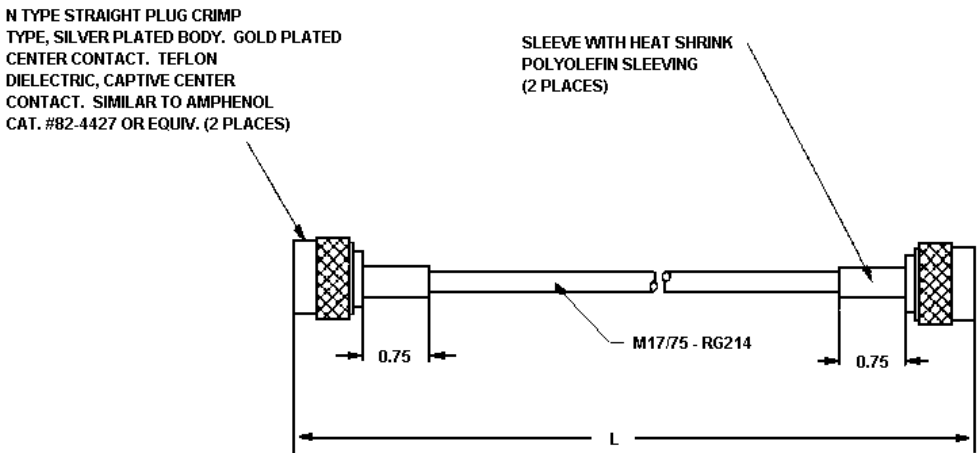
19B801454P19 & P20

(19B801454, Sh. 12, Rev. 9)



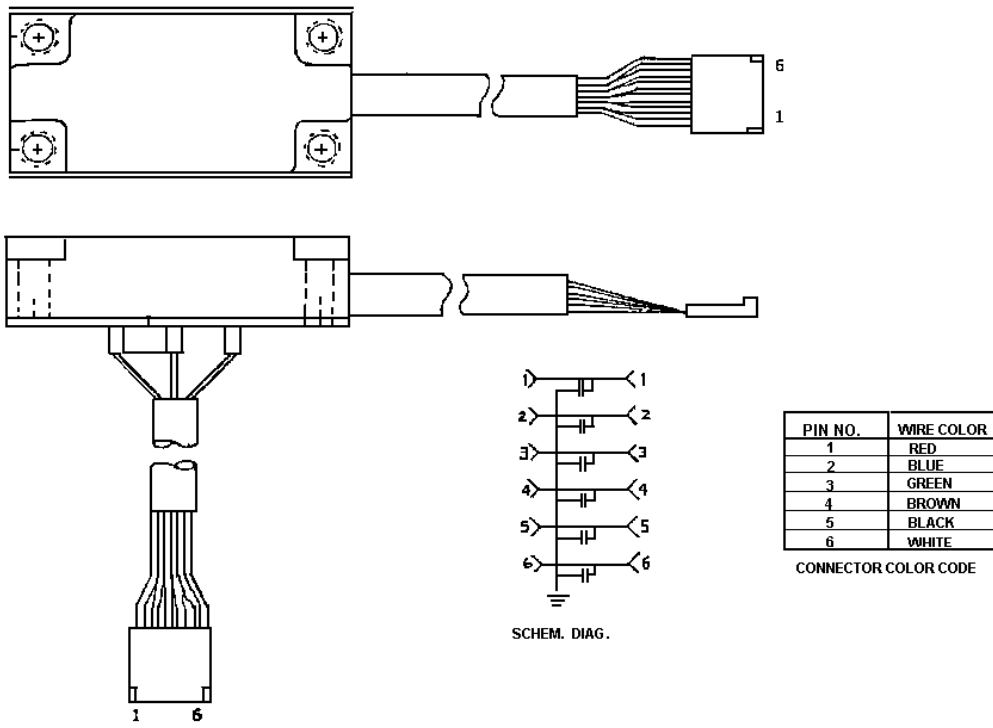
19B801454P24

(19D801454, Sh. 15, Rev. 11)



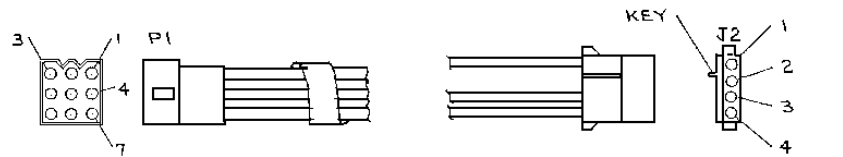
19B801454P43

(19B801454, Sh. 23, Rev. 20)

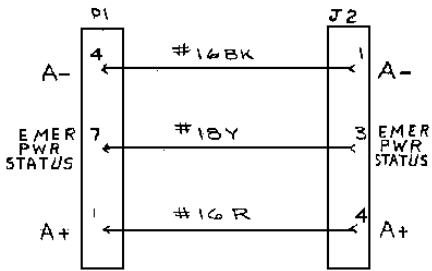


CONTROL CABLE ASSEMBLY (part of Power Amplifier) - 19B801739P1

(19B801739, Sh. 1, Rev. 2)



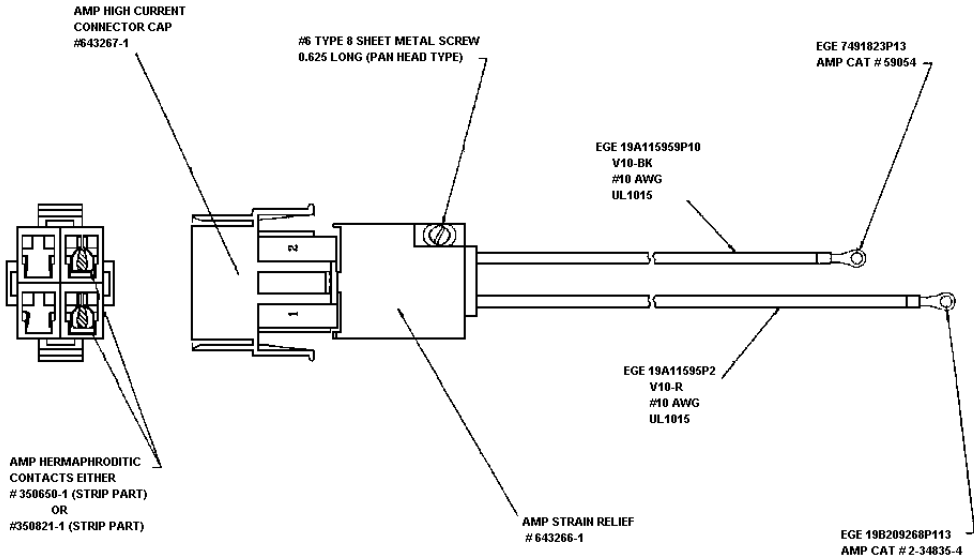
CONNECTIONS CHART						
FROM	CONTACT	CONN HOUSING	WIRE TYPE	TO	CONTACT	CONN HOUSING
P1-4	19B209288P2 MOLEX CAT # 02-03-2101	19B209288P4 MOLEX CAT # 03-03-2032 3 POSITION PLUG	19A116850 P10 UL1015 #16AWG COLOR BLACK	J2-1	AMP CAT # 61117-1 60619-1 OR SOCKET CONTACTS	AMP CAT # 1-480424-0 4 POSITION RECEPTACLE
P1-7			19A11688AP4 UL1015 #18AWG COLOR YELLOW	J2-3		
P1-1			19A116850P2 UL1015 #16AWG COLOR RED	J2-4		



CONNECTION DIAG.

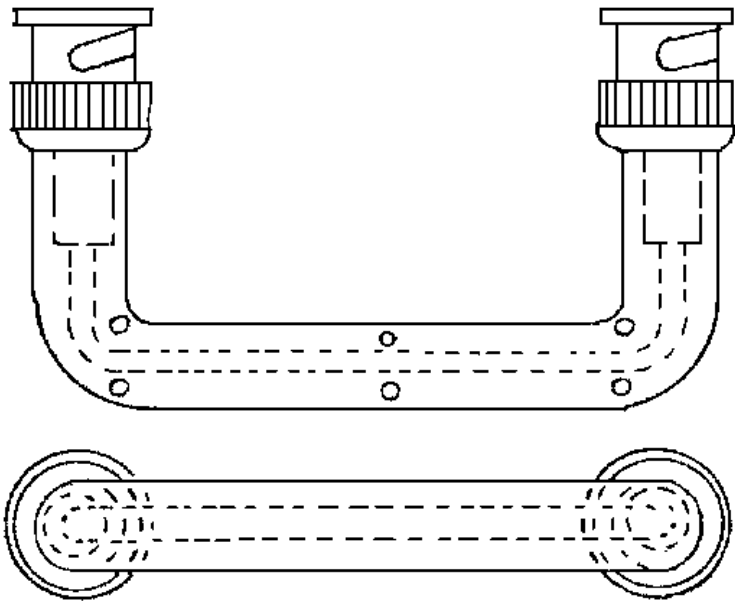
19B235871P1

(19B235871, Sh. 1, Rev. 2)



POWER CABLE (part of Power Amplifier) - 19B801937P1

(19B80937, Sh. 1, Rev. 1)



344A3052P1

(344A3052, Sh. 1, Rev. 1)

MASTR III STATION
ISSUE 2

SYMBOL	PART NO.	DESCRIPTION
		----- 37" CABINET -----
	19D902838P1	37-inch Cabinet.
	19C852074P1	Equipment support rail (left side).
	19C852074P2	Equipment support rail (right side).
	344A3450G1	Hardware Kit.
	344A3450G2	Hardware Kit.
	19D902422P4	Rear Door.
	19D902422P4	Front Door.
	19J706152P5	Tie Strap.
	5491682P4	Key, sim to Yale & Towne #BF-10A
	5490407P29	Grommet.
		----- 69" CABINET -----
	19D417358G3	69-inch Cabinet.
	19D417623G2	Grill, Label.
	19A130031G12	Hardware Kit.
	19B226318P2	Plate.
	19B801476P1	Cover.
	19B801476P2	Cover.
	19B209539P1	Lock, rim.
	19B209539P2	Lock, rim.
	19B209539P3	Key, lock, rim.
	344A3450G21	Hardware Kit.
	5490407P29	Grommet.
		----- 83" CABINET -----
	19D902663G1	83-inch Cabinet.
	19C337428G1	Door.
	19C337428G2	Door.
	19B801476P1	Cover.
	19B801476P2	Cover.
	19B209539P2	Lock, rim.
	19B209239P2	Lock, rim.
	19B209539P3	Key, lock, rim.
	19B226318P2	Plate.
	344A2450P21	Hardware Kit.
		----- CABLES -----
	19B235871P1	Power Cable: Station Power Supply (J801) to T/R Shelf (A2-P102).
	19B801454P17	RF Cable: Low Pass Filter (J1) to Power Amplifier (J104). Replaced by 19B801454P43.
	19B801454P20	RF Cable: T/R Shelf (J2) to Duplexer Shelf (J2) (Used when Duplexer is installed).
	19B801454P19	RF Cable: T/R Shelf (J2) to Antenna Switch (J2).
	19B801454P16	RF Cable: T/R Shelf (J1) to Power Amplifier (J101).
	19B801454P43	RF Cable: Low Pass Filter (J1) to Power Amplifier (J104).

*COMPONENTS, ADDED, DELETED OR CHANGED BY PRODUCTION CHANGES