

DIMENSION[®] PBX

CROSS CONNECT FIELD

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1. GENERAL

- 1.1 This section provides information for the installation of the cross connect field. It covers open cross connect field and cross connect field enclosure assembly.

2. DOCUMENTATION

- 2.1 Telephone Company sketch of cross connect field.

3. CROSS CONNECT FIELDS

- 3.1 The cross connect field will vary depending upon the size and options used within the system.
- 3.2 Standard colored 183 type backboards are used to identify the type of circuit to be terminated at the various positions.
- 3.3 The recommended backboard colors and type of circuits terminated are as follows:

<u>BACKBOARD COLOR</u>	<u>CIRCUITS OR EQUIPMENT TERMINATED</u>
GREEN	CENTRAL OFFICE TRUNK CIRCUITS
BLUE	STATION LINE CIRCUITS
RED	KEY AND ETC EQUIPMENT
YELLOW	MISCELLANEOUS CIRCUITS & EQUIPMENT
PURPLE	CSS CIRCUITS & EQUIPMENT

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- 3.4 White 187B1 or 196A Backboards, having stand-off type distributing rings, are used to separate the fields and are intended for use when wiring and cross connecting the various connecting blocks.

4. INSTALLATION OF OPEN CROSS CONNECT FIELDS

- 4.1 From the Telephone Company Cross Connect Field sketch determine location of backboards.
- 4.2 Mount backboards per Telephone Company sketch information.
- 4.3 Do Not mount 66 type blocks at this time.

5. CROSS CONNECT FIELD ENCLOSURES

- 5.1 Wall Field Enclosure Assemblies are used to conceal the cross connect field. It is used for its aesthetic value or in areas where protection of the cross connect field is required.
- 5.2 The cross connect field enclosures are available in three sizes and may be ordered with or without wooden rear panels. Sizes available are as follows:

76" X 17" X 9"	ED1E322-70
54" X 17" X 9"	ED1E322-71
27" X 17" X 9"	ED1E322-72

- 5.3 Enclosure assemblies may be grouped together to provide the required cross connect field area. When enclosure assemblies are grouped together only the extreme end enclosure assemblies are required. (The perimeter of the cross connect field should be covered completely by top, side and bottom panels.)

6. ASSEMBLY OF CROSS CONNECT FIELD ENCLOSURES

- 6.1 Assembly of the cross connect field enclosures will vary depending upon use of wooden rear panels or not.
- 6.2 The exact mounting location of the cross connect field enclosures shall be determined by the Telephone Company.
- 6.3 Each cross connect field enclosure will contain assembly instructions with the equipment.
- 6.4 Copies of the assembly instructions are included for your information.

Figure 1 - Assembly instructions for a cross connect field enclosure with wooden rear panel.

Figure 2 - Assembly instructions for a cross connect field enclosure mounted flush on the wall.

- 6.5 Determine type of cross connect field enclosure being furnished and assemble per Steps A to E. (Do not perform Step F or mount 66 type blocks at this time.)
- 6.6 Temporarily store door(s) and hinge pins. They will be installed and aligned after testing is completed.

Manager, Denver PBX PECC

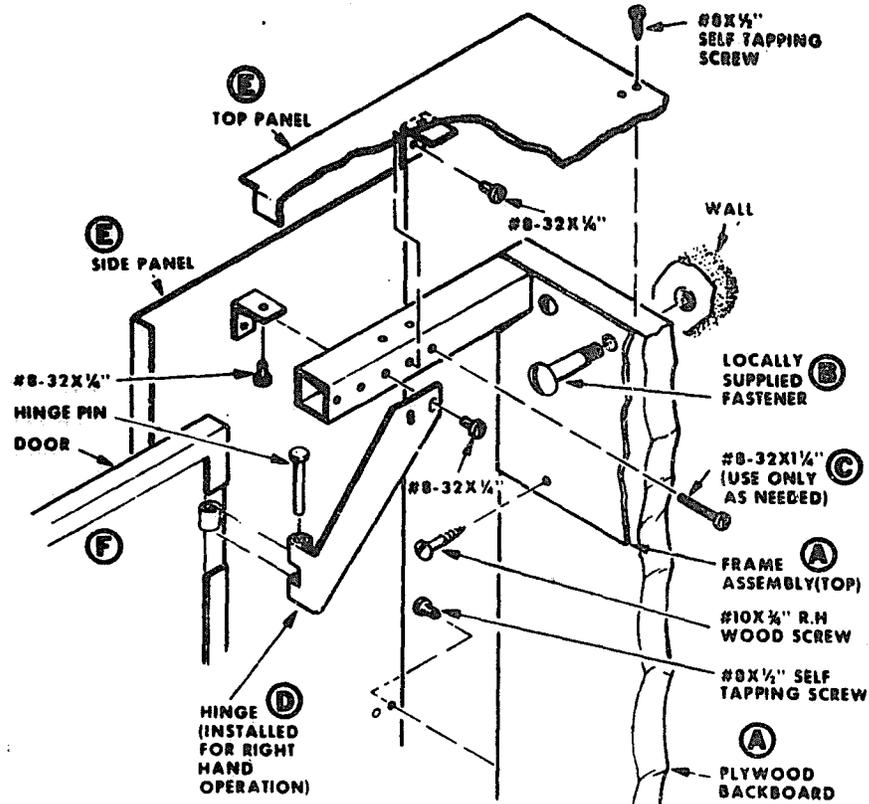
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Figures 1 & 2 Pages 4 and 5.

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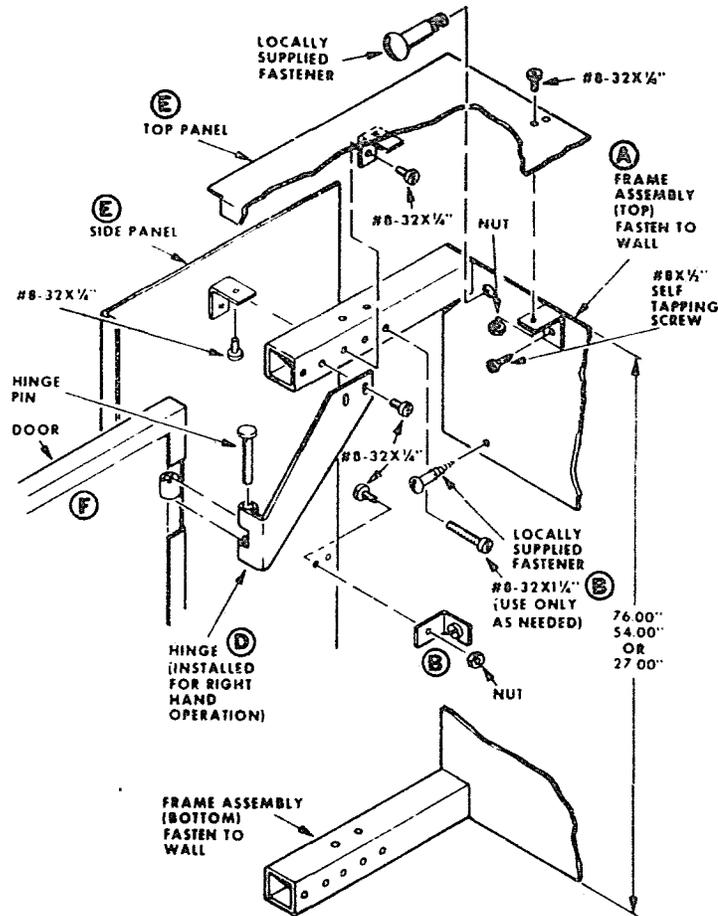
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- (A) FASTEN FRAME ASSEMBLIES TO PLYWOOD BACKBOARD FLUSH WITH EDGES USING THE #10X3/4 ROUND HEAD WOOD SCREWS.
- (B) FASTEN ASSEMBLED BACKBOARD TO WALL 4 INCHES ABOVE THE FLOOR OR WITH TOP FLUSH WITH TOP OF PBX CABINET USING FASTENERS PER LOCAL REQUIREMENTS. BACKBOARDS MUST BE PLUMB, LEVEL AND IN LINE.
- (C) FASTEN TOGETHER ADJACENT FRAME ASSEMBLIES USING THE #8-32X1 1/4 INCH LONG PAN HEAD MACHINE SCREWS. INSTALL INTERIOR EQUIPMENT (BACKBOARDS, CONNECTING BLOCKS, ETC. NOT SHOWN) PER LOCAL INSTRUCTIONS.
- (D) INSTALL HINGES FOR LEFT OR RIGHT HAND OPERATION USING #8-32X1/4 INCH LONG PAN HEAD MACHINE SCREWS, INSTALL LATCH BRACKETS AND (MAGNETIC) LATCHES (NOT SHOWN) IN LIKE MANNER.
- (E) REMOVE KNOCKOUTS AS REQUIRED AND INSTALL SIDE AND TOP/BOTTOM PANELS PER LOCAL INSTRUCTIONS USING THE #8X1/2 INCH LONG PAN HEAD SELF TAPPING SCREWS, AND THE #8-32X1/4 INCH LONG PAN HEAD MACHINE SCREWS.
- (F) HANG AND ALIGN DOORS.

FIGURE 1 - CROSS CONNECT FIELD ENCLOSURE WITH WOODEN REAR PANEL



- (A) FASTEN FRAME ASSEMBLIES TO WALL, LEVEL, IN LINE AND PLUMB REQUIRED DISTANCE APART (SIDE PANEL MAY BE USED TO ENSURE PROPER SPACING) WITH THE BOTTOM FRAME ASSEMBLY 4 INCHES ABOVE THE FLOOR OR THE TOP FRAME ASSEMBLY FLUSH WITH THE TOP OF PBX CABINET USING LOCALLY SUPPLIED FASTENERS.
- (B) FASTEN TOGETHER ADJACENT FRAME ASSEMBLIES USING THE #8-32X1 1/4 INCH LONG PAN HEAD MACHINE SCREWS. FASTEN ANGLE BRACKETS TO WALL AND FRAME ASSEMBLIES PER LOCAL INSTRUCTIONS USING #8X1/2 PAN HEAD SELF TAPPING SCREWS AND/OR LOCALLY PROVIDED FASTENERS.
- (C) INSTALL INTERIOR EQUIPMENT (BACKBOARDS CONNECTING BLOCKS, ETC. NOT SHOWN) PER LOCAL INSTRUCTIONS.
- (D) INSTALL HINGES FOR LEFT OR RIGHT HAND OPERATION USING #8-32X1/4 INCH LONG PAN HEAD MACHINE SCREWS. INSTALL LATCH BRACKETS AND (MAGNETIC) LATCHES (NOT SHOWN) IN LIKE MANNER.
- (E) REMOVE KNOCKOUTS AS REQUIRED AND INSTALL SIDE AND TOP/BOTTOM PANELS PER LOCAL INSTRUCTIONS USING THE #8-32 HEX NUTS AND 1/4 INCH LONG PAN HEAD MACHINE SCREWS. SIDE PANELS MAY BE SECURED TO INTERIOR EQUIPMENT WITH THE #8X1/2 INCH LONG PAN HEAD SELF TAPPING SCREWS (LOCAL OPTION).
- (F) HANG AND ALIGN DOORS.

FIGURE 2 - CROSS CONNECT FIELD ENCLOSURE MOUNTED FLUSH ON THE WALL