

INDOOR BOOTH

KS-19442 DELUXE GLASS

1. GENERAL

1.01 Information in this section was formerly contained in Sections 508-231-100 and 508-231-300 which are hereby canceled.

1.02 The KS-19442 deluxe glass telephone booth is designed for indoor, sitdown service (Fig. 1). It may be used singly or in various multiple arrangements (side-by-side and/or back-to-back).

1.03 This booth is not designed to include an interior directory; all glass booths are intended for locations that have directory shelves or tables.

1.04 The overall dimensions of the booth are:

- Height—83-1/8 inches
- Width—34-1/8 inches
- Depth—34-1/8 inches

2. IDENTIFICATION

2.01 The KS-19442 booth consists of an extruded aluminum framework, covered with metal strips or appliques to provide a variety of finishes. These strips are either snapped or crimped in place and are available in stainless steel, satin-finished anodized aluminum, or medium bronze-colored anodized aluminum.

2.02 Single glass panels extend from the ceiling to the base of each wall. Acoustic panels for rear and right sides are available if required.

2.03 Booth levelers are provided in the base of each wall and are concealed by black kickplates located around the base of the booth.

2.04 The booth interior is finished in black, including the formed plastic seat, retaining strips, kickplates, and flat ceiling.

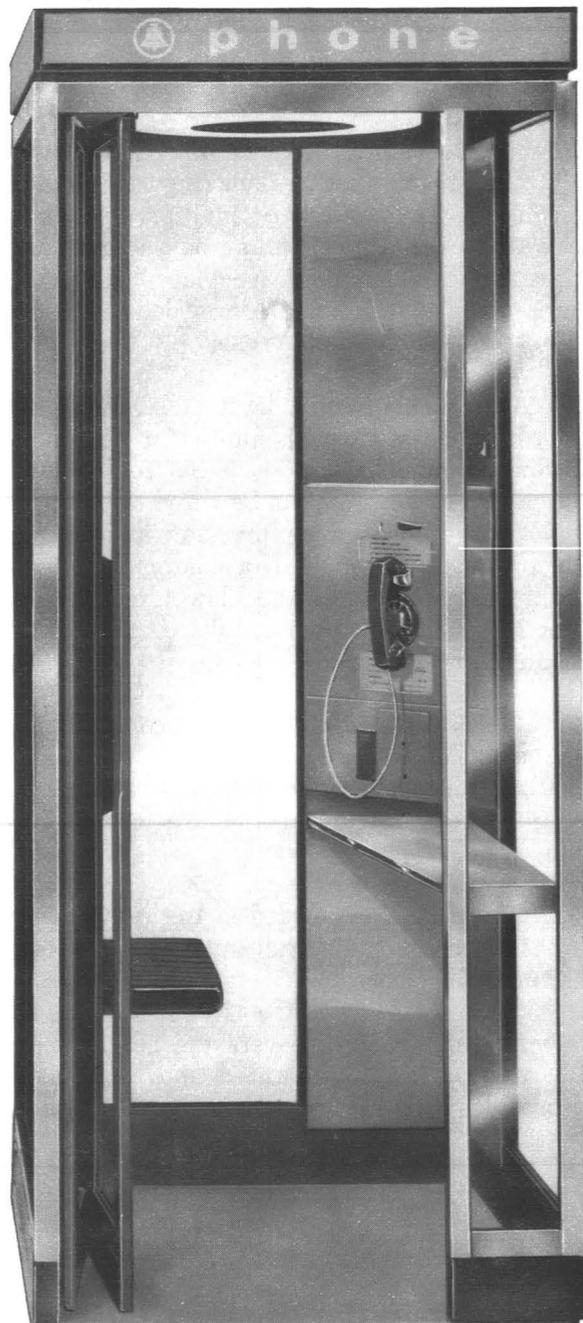


Fig. 1—KS-19442 Deluxe Glass Telephone Booth

SECTION 508-204-100

2.05 A thick tempered glass writing shelf spans the right wall and extends beneath the coin telephone.

2.06 Stainless steel panels are mounted in the right rear corner to provide a mounting for the backboard. The booth was designed for the 1A/1C-type coin telephone sets and coin panel phones.

2.07 No floor is provided with this booth; however, a KS-19442, List 90 floor (Fig. 1) is available and can be used in single or multiple installations. The walls of the booth must be secured to the surface upon which they are placed if a List 90 floor is not used. Holes are provided in the lower wall extrusions for this purpose.

2.08 A KS-19207, List 1 light and blower unit is supplied with each booth for illumination and ventilation. The unit is wired for continuous illumination; however, it can be wired to be actuated by the door-operated snap-action switch. This switch, in conjunction with a customer controlled manual switch, actuates the blower motor. Refer to Section 508-820-100 for details of the KS-19207 light and blower unit.

2.09 All electrical and telephone connections are made in the ceiling assembly. An electrical outlet box, telephone connecting block, and telephone wiring are all furnished and are located in the ceiling area.

2.10 Channels are provided in the right side wall for bringing electric and telephone service in through the floor.

2.11 A roof structure covers the booth, encloses the equipment mounted above the ceiling, and provides a frame for the sign above the door.

2.12 Various list numbers assigned to the KS-19442 booth, booth components, and accessories are described in Table A.

ORDERING INFORMATION



The differences between List 1 and List 21 booths are shown in Table B.

2.13 For single installation, order List 1 booth (Fig. 8A).

2.14 For a side-by-side multiple installation, order one List 1 booth and the remainder as List 21 booth(s) (Fig. 8B).

2.15 For a back-to-back installation where only two booths are used, order two List 1 booths (Fig. 8C).

2.16 For a back-to-back installation where more than two booths are used, order two List 1 booths and the remainder as List 21 booths (Fig. 8D).



When ordering booths for back-to-back installations, order one 1/4-20 by 3/4 hex socket head cap screw and one 1/4-20 by 1-1/2 hex socket head cap screw for each booth ordered. These screws are required for fastening the backs of the booths together.

2.17 The KS-19732, List 2 template, KS-19783, List 1 dolly, KS-19783, List 2 brace, KS-19442, List 90 floor, KS-19425, List 22 cable assembly, and 127A cover must be ordered separately as required.

2.18 Orders for the booth shall specify quantity, KS-number, and list number of each booth, and finish, plus each accessory required.

Note: Unless otherwise specified, a KS-19442, List 65 sign panel and a KS-19340, List 54 backboard will be furnished with each booth.

2.19 The following are examples of typical orders:

Example 1—Single Booth (Fig. 8A)

1—Booth, Telephone, KS-19442, L1 with L81 finish

1—127A Cover

1—KS-19425, List 22 cable assembly

Example 2—Three Booths Side-by-Side (Fig. 8B)

1—Booth, Telephone, KS-19442, L1 with L82 finish

TABLE A
BASIC LIST NUMBERS AND ACCESSORIES

| PART NO. | DESCRIPTION | REMARKS | |
|-----------|-------------|---------------------------|--|
| KS-19442 | List 1 | Booth (Fig. 1) | Complete booth for single installation |
| | List 21 | | For multiple installations |
| | List 30 | Roof and ceiling assembly | |
| | List 52 | Shelf | Tempered glass |
| | List 51 | Tempered glass panel | Door |
| | List 53 | | Rear or right side |
| | List 57 | | Left side |
| | List 59 | | Front |
| | List 54 | Acoustic panel* | Rear or right side |
| | List 62 | Sign panel | White blank |
| | List 65 | | White letters — blue background |
| | List 68 | | Blue blank |
| | List 69 | | Blue letters — white background |
| | List 81 | Trim and accessory finish | Satin — finish anodized aluminum |
| | List 82 | | Stainless steel |
| | List 83 | | Medium bronze-colored anodized aluminum |
| | List 90 | Floor† | Dark gray synthetic rubber bonded to a metal base |
| KS-19340 | List 53 | Backboard (Fig. 2) | For 1A/1C-type coin telephone set |
| | List 54 | | For 235G/2A/2C-type coin telephone set |
| KS-19425 | List 22 | Cable assembly† (Fig. 3) | For incoming power and interconnecting multiple booths |
| KS-19783 | List 1 | Dolly† (Fig. 4) | For transporting booth without floor |
| | List 2 | Brace† (Fig. 5) | For supporting a booth without floor where dolly is not required |
| KS-19732 | List 2 | Template† (Fig. 6) | For locating anchoring holes |
| 127A-Type | | Cover† (Fig. 7) | For 235G/2A/2C-type coin telephone set |

* Acoustic panels must be used in the rear of each back-to-back booth. They are optional in the right side of all arrangements and in the rear of single booths.

† Dolly, brace, floor, template, cable assembly, and cover must be ordered separately.

TABLE B
COMPONENT DIFFERENCES BETWEEN
LIST 1 AND LIST 21 BOOTHS

| COMPONENT | | LOCATION | LIST 1 | LIST 21 | REMARKS |
|--|------------|---------------------------|--------|---------|---|
| G4 Glazing Strip | | In left wall | • | | |
| L57 Glass Panel | | | • | | |
| B-651879-1 Rail (2 used) | | | | • | Horizontal |
| B-651879-2 Rail (2 used) | | | | • | Vertical |
| K6 | Kickplate | Bottom left—outside wall | • | | |
| K7 | | Bottom right—outside wall | • | | |
| K9 | | Bottom front—outside wall | | • | Packaged separately |
| T5 | Trim Strip | Top left—outside wall | • | | |
| T6 | | Top right—outside wall | • | | |
| T7 | | Bottom left—outside wall | • | | |
| T8 | | Bottom right—outside wall | • | | |
| 1/4-20 x 3/4 Hex Soc Hd Cap Screw (2 used) | | Left wall—bottom | | • | Used to tie two booths together in a side-by-side installation |
| 1/4-20 x 1-1/2 Hex Soc Hd Cap Screw (2 used) | | Left wall—top | | • | |

2—Booths, Telephone, KS-19442, L21 with L82 finish

2—Panels, Blank, KS-19442, L68*

3—127A Covers

Example 3—Six Booths Back-to-Back (Fig. 8D)

2—Booths, Telephone, KS-19442, L1 with L83 finish

4—Booths, Telephone, KS-19442, L21 with L83 finish

4—Panels, Blank, KS-19442, L68*

6—Panels, Acoustic, KS-19442, L54†

6—Screws, Hex Socket Hd Cap, 1/4-20 by 3/4

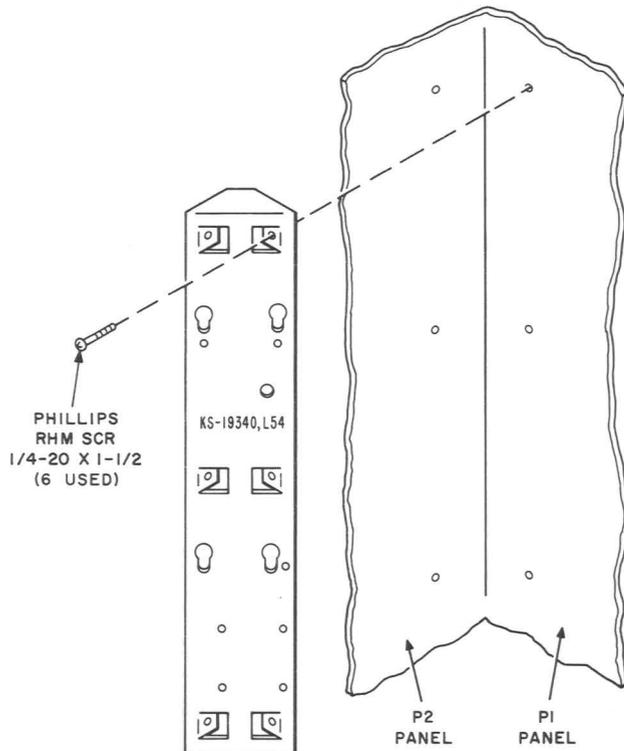
6—Screws, Hex Socket Hd Cap, 1/4-20 by 1-1/2

*List 68 blank panels shall be on end booths of each line-up.

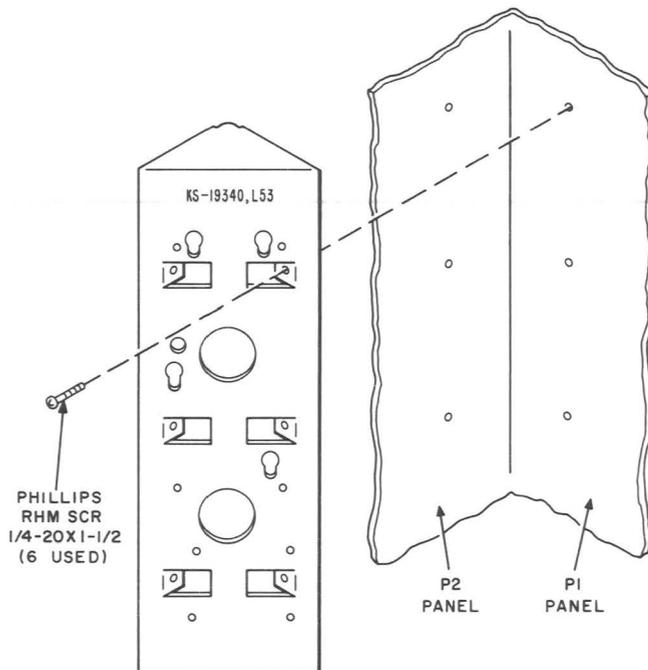
†Acoustic panels are installed in the rear of each back-to-back booth.



Optional signs, sign blanks, backboards, cable assemblies, acoustic panels, and floors must be specified as required.



A



B

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Fig. 2—Installation of Backboards

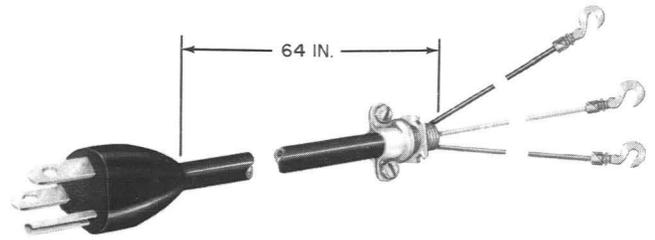


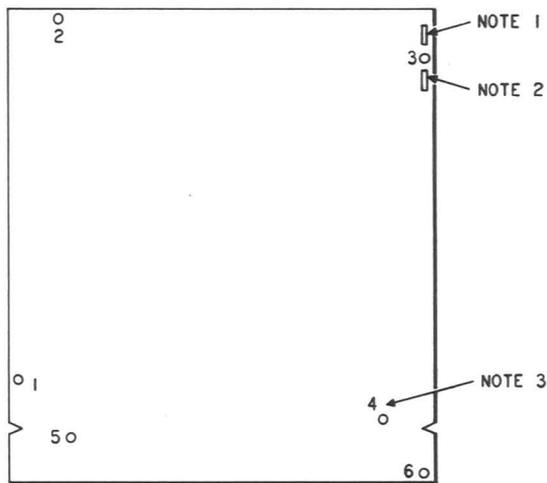
Fig. 3—KS-19425, List 22 Cable Assembly



Fig. 4—KS-19783, List 1 Dolly



Fig. 5—KS-19783, List 2 Brace



NOTES:

1. OPENING FOR TELEPHONE ENTRANCE.
2. OPENING FOR POWER ENTRANCE.
3. THE NUMBERS ARE FOR REFERENCE ONLY.
4. TWO 1/4 IN. X 1-1/2 IN. STEEL RODS WILL BE FURNISHED WITH EACH TEMPLATE TO BE USED FOR ALIGNMENT PURPOSES.

Fig. 6—KS-19732, List 2 Template

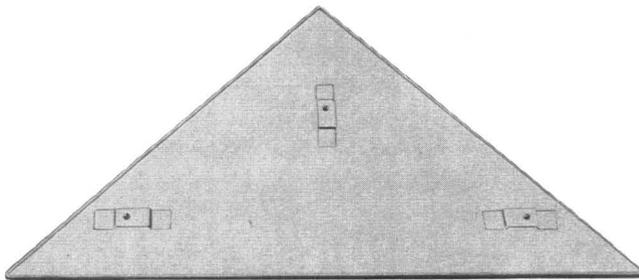


Fig. 7—127A-Type Cover, Bottom Side

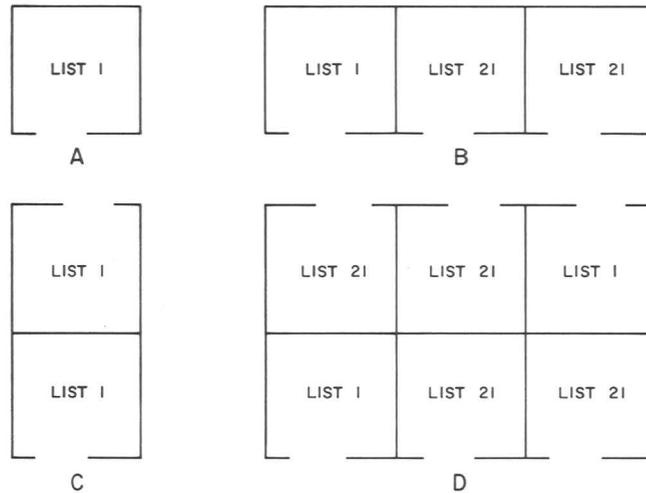


Fig. 8—Layout of Booth Arrangements

3. INSTALLATION

SPECIAL TOOLS

3.01 The following special tools are required for the installation of the KS-19442 booth.

| TOOL | USED TO | SOURCE OF SUPPLY |
|---------------------|--|------------------|
| Awl (2 required) | Line up holes between connecting parts | Obtain locally |
| Center punch* | Crimp trim strips | Obtain locally |
| Chalk line* | Mark booth positions | Obtain locally |

| TOOL | USED TO | SOURCE OF SUPPLY |
|---|---|---|
| Compound, antiseize, KS-19094 | Coat screw threads which are threaded into aluminum | Western Electric Co. |
| Glass Lifter* Vacuum Cup (capable of lifting 50 pounds) 2 required | Install glass panels (mtce) | Obtain locally |
| Gloves, safety, RS-13515 | Handle glass panels (mtce) | Western Electric Co. |
| Goggles or face shield, RS-13406A | Protect against glass in case of breakage | Western Electric Co. |
| Hammer,* soft faced, RC-14770 | Crimp trim strips | Western Electric Co. |
| Knife, safety | Remove packing from booths | Lewis Safety Knife or equivalent |
| Level (4 ft min) | Ensure that booths are level | Obtain locally |
| Screwdrivers, Xcelite X-102, SX-102, X-103 and X-1021 | Install various components using Phillips screws | Eastern Tool Warehouse 601 West 50th St. New York, New York |
| Square,† carpenter | Ensure that booths are square | Obtain locally |
| Template,† locating KS-19732, List 2 | Drill holes in floor for mounting booths | Western Electric Co. |
| Wrench Set, M-51 Williams Super Ratchet Wrench Set (E/W complete set of Allen Head Sockets) | Assemble frames | Local Automotive Parts Distributor |

* Required for multiple installations only.

† Not required for booth equipped with List 90 floor.

SINGLE BOOTH

Note 1: Each KS-19442, booth is shipped assembled, mounted on a skid. If the booth is not equipped with a List 90 floor, do not attempt to move it from the skid without using a KS-19783, List 1 dolly (Fig. 4).

Note 2: If the booth is to be installed against a wall, post, or column, determine if the vertical surface is plumb, using a 4-ft. level, and if any misalignment exists, allow sufficient distance at the base when locating the template (see 3.02).

Note 3: If the booth is to be installed on a carpeted floor, use extreme care not to damage the carpet. Do not cut the carpet even if it will become the booth floor.

Note 4: If the booth is equipped with a List 90 floor, disregard 3.02 through 3.10 except 3.09 (a), (b), and (c).

3.02 Place KS-19732, List 2 template (Fig. 6) in the exact position that the booth will be mounted with holes 1, 2, and 5 on the left side and "V" notches on line with front edge of booth.

3.03 Using the template as a guide, drill 1/4-inch holes at positions 1, 2, 3, and 4 to a depth of approximately 1-1/4 inches.

Note: After the first two holes are drilled, insert two 1/4 by 1-1/2 steel rods (furnished with template) in the holes to prevent the template from slipping while drilling the remaining holes. If underground power and telephone wiring is to be used, mark locations at this time.

3.04 Remove the two steel rods and template from the drilling area.

3.05 The booth is secured to a masonry floor with 3/8-16 by 2 hex socket head cap screws. Select the proper machine bolt anchor to accommodate this size screw and enlarge the drilled holes sufficiently to accept anchors. See the appropriate section on masonry fasteners.

Note: Lag or wood screws of equivalent holding power should be used in wood floors.

SECTION 508-204-100

- 3.06** Position the booth adjacent to the mounting location and remove all packing details.
- 3.07** Remove inside kickplates.
- 3.08** Install KS-19783, List 1 dolly per Fig. 9 using hardware furnished.

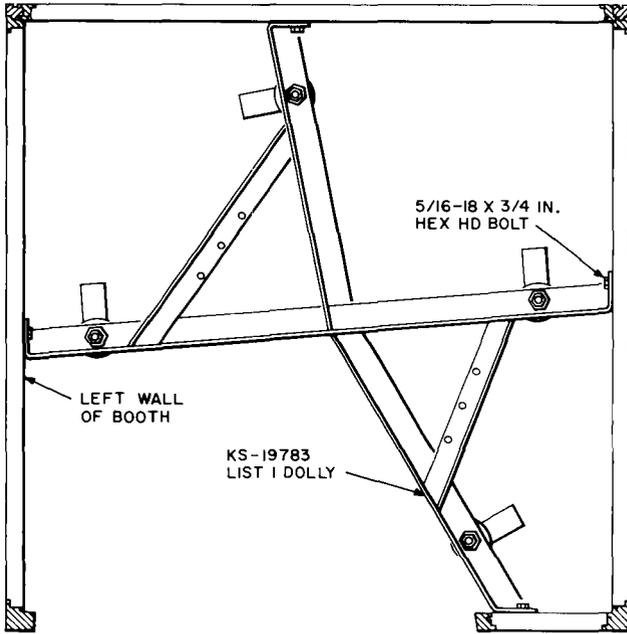
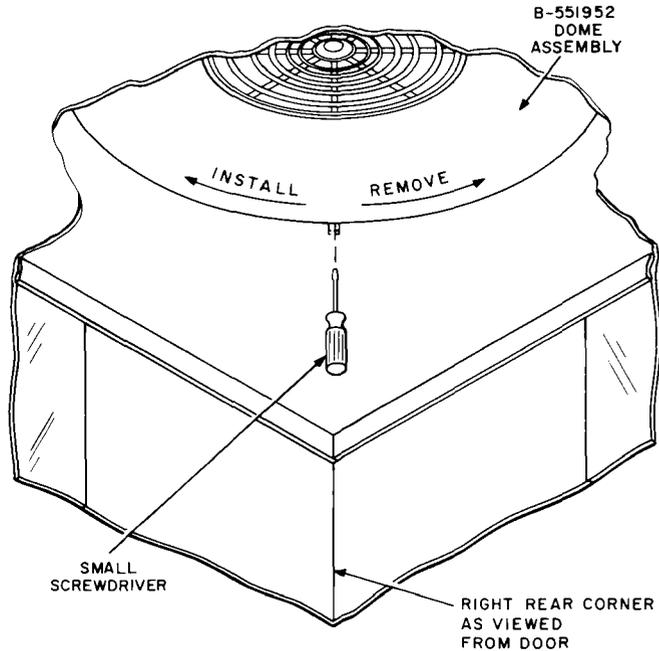


Fig. 9—KS-19783, List 1 Dolly Installed in Booth

- 3.09** If inside wiring is to be run from floor:
 - (a) Position booth so that it is in its approximate mounting location.
 - (b) Remove the dome assembly (Fig. 10) and fluorescent lamp.

Warning: Use goggles or face shield when removing the dome and lamp.

- (c) Drop a weighted fish line from the ceiling area to pull telephone and electric wires separately up through their proper channels (in the right wall frame) to the ceiling area (Fig. 11).
- (d) Align mounting holes of booth with mounting holes in floor and remove dolly.



NOTES:

1. FOR REMOVAL, INSERT SMALL SCREWDRIVER THROUGH SLOT IN CEILING, DEPRESS DETENT SPRING, AND TURN DOME ASSEMBLY COUNTERCLOCKWISE.
2. FOR INSTALLATION, PLACE DOME ASSEMBLY IN CEILING AND TURN IT CLOCKWISE UNTIL DETENT SPRING ENGAGES AND LOCKS DOME.

B-567878

Fig. 10—Method of Removing Dome Assembly

- 3.10** Insert 3/8-16 by 2 hex socket head cap screws in the mounting holes. Determine that the booth is perfectly square. Adjust leveling devices until the booth is perfectly level and secure the four screws.

- 3.11** Install coin telephone set in accordance with appropriate coin telephone set practices.

- 3.12** When a coin panel phone is used, install a 127A-type cover (Fig. 7) over the coin telephone set using three No. 8-32 by 3/16 round head machine screws.

Note: The cover must be ordered separately; screws are furnished with cover.

- 3.13** Install telephone wiring as outlined in 3.34 and 3.35.

- 3.14** Install electric wiring as outlined in 3.36 and 3.37.

- 3.15** Install fluorescent lamp and dome assembly (Fig. 10).

SIDE-BY-SIDE MULTIPLE ARRANGEMENT

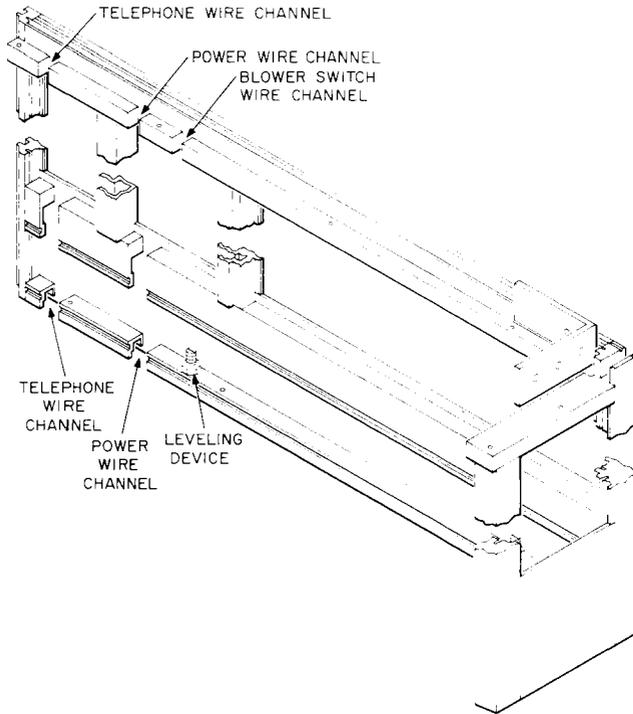


Fig. 11—View of Right Wall Frame Showing Wire Channels

Note 1: Arrangements should be made to bring telephone and electrical service wires into an end booth.

Note 2: KS-19732, List 2 template (Fig. 6) can be used for laying out an arrangement from left to right or from right to left. If the left-hand booth of the lineup is to be against a wall, post, or column, lay out the positions from left to right. If the right-hand booth of the lineup is to be against a wall, post, or column, lay out the positions from right to left.

Note 3: All screws threaded into aluminum parts should be coated with KS-19094 antiseize compound.

Note 4: Refer to Notes 1, 2, and 3 under *single booth installation*

3.17 Use a chalk line and mark the floor where the front edge of the lineup will be (Fig. 12).

3.16 Install the inside kickplates which were removed in 3.07.

Note : If the booths being installed are equipped with List 90 floors, disregard 3.18 through 3.20.

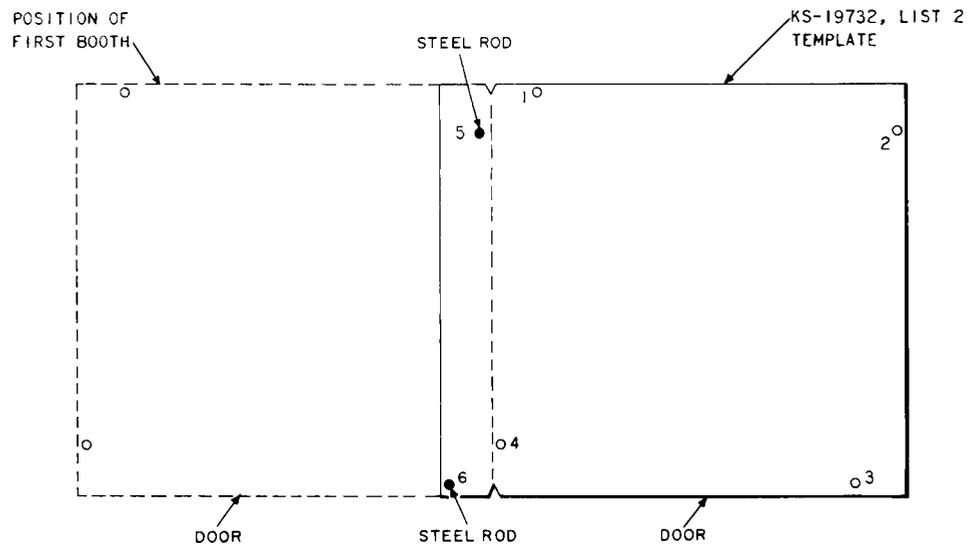


Fig. 12—Left to Right Layout for Drilling Mounting Holes

SECTION 508-204-100

3.18 When laying out positions from the left to right, drill holes in the floor as follows:

- (1) Place KS-19732, List 2 template in the position where the left-hand booth will be mounted with the "V" notches on chalk line. Holes 1, 2, and 5 should be to the left.
- (2) Using the template as a guide, drill 1/4-inch holes at positions 1, 2, 3, and 4 to a depth of approximately 1-1/4 inches.

Note: After the first two holes are drilled, insert two 1/4 by 1-1/2 steel rods (furnished with template) in these holes to prevent the template from slipping while drilling the remaining holes.

- (3) Move template to the right and align template holes 5 and 6 with previously drilled holes 3 and 4, respectively (Fig. 12). Insert the two steel rods in these holes.
- (4) Drill 1/4-inch holes at positions 1, 2, 3, and 4 to a depth of approximately 1-1/4 inches.
- (5) If a third booth is to be installed, move template to the right and align template holes 5 and 6 with previously drilled holes 2 and 3, respectively (Fig. 12). Insert the two steel rods in these holes.
- (6) Repeat step (4).
- (7) If additional booth positions are required, repeat steps (5) and (4) respectively.

3.19 When laying out positions from right to left, drill holes in the floor as follows:

- (1) Place KS-19732, List 2 template in the position where the right-hand booth will be mounted with the "V" notches on chalk line. Holes 3, 4, and 6 should be to the right.
- (2) Repeat 3.18 (2).
- (3) Move template to the left and align template holes 5 and 6 with previously drilled holes 1 and 2, respectively (Fig. 13). Insert the two steel rods in these holes.
- (4) Repeat 3.18 (4).

(5) If a third booth is to be installed, move template to the left and align template holes 5 and 6 with previously drilled holes 2 and 3, respectively (Fig. 13). Insert the two steel rods in these holes.

(6) Repeat 3.18 (4).

(7) If additional booth positions are required, repeat 3.19 (5) and 3.18 (4) respectively.

3.20 Repeat 3.05.

3.21 Install List 1 booth in accordance with 3.06 through 3.16.

Note: List 1 booth is always the left end booth of a line-up.

3.22 To install a List 21 booth:

- (1) Remove and retain the following items from the right wall of previous booth (Fig. 14):
 - K7 kickplate—Located on bottom right-outside wall
 - T8 trim strip—Located on bottom right-outside wall
 - T6 trim strip—Located on top right-outside wall



If this is an initial multiple installation, the items listed in (1) will be on the first booth installed (List 1) only.

(2) Place List 21 booth to the right of the previous booth and perform operations outlined in 3.06 through 3.10.

(3) Remove R3 retaining strip from top left-inside wall of the booth being installed (Fig. 15).

(4) Fasten booth walls together at top using two 1/4-20 by 1-1/2 hex socket head cap screws and at the bottom using two 1/4-20 by 3/4 hex socket head cap screws. Screws are furnished with List 21 booth.

(5) Install R3 in its original position.

- (6) Install T6, T8, and K7 (Fig. 16) on the last right-hand booth of a line-up.
- (7) Crimp the top edge of the T6 trim strip approximately every 6 inches using RS-14770 soft face hammer and a center punch (Fig. 17).

Note: K7 will secure T8 sufficiently without crimping T8.

- (8) Install K9 kickplate (packaged separately) on the bottom-front-outside wall between booths (Fig. 16).

3.23 Repeat 3.11 through 3.16.

BACK-TO-BACK MULTIPLE ARRANGEMENT

Note: Refer to Notes 1 through 4 under *side-by-side multiple arrangement* and refer to Fig. 8 for layout.

3.24 If more than two booths are to be installed, use a chalk line and mark the floor where the front edge of the line-up will be.

Note: If the booths being installed are equipped with List 90 floors, disregard 3.25.

3.25 When laying out positions for back-to-back multiple arrangements, drill holes as follows:

- (1) Perform steps outlined in 3.18 or 3.19 for the front line-up.
- (2) Move the template behind the first position as shown in Fig. 18 and align template holes 5 and 6 with previously drilled holes 2 and 3, respectively. Insert the two steel rods in these holes.
- (3) Drill 1/4-inch holes at positions 1, 2, 3, and 4 to a depth of approximately 1-1/4 inches.
- (4) If additional booth positions are required, move the template to the next position and perform operations in (2) and (3).

3.26 Repeat 3.05.

3.27 Install the first List 1 booth in accordance with 3.06 through 3.15.

3.28 For a back-to-back installation of only two booths:

- (1) Remove and discard K8 kickplate, T6 trim strip, and T8 trim strip from outside-rear wall of both booths (Fig. 14).

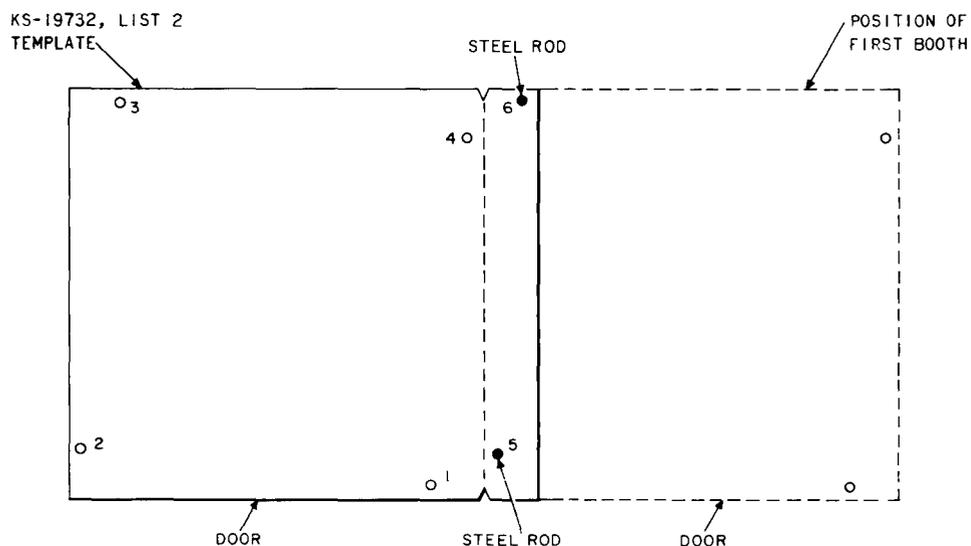


Fig. 13—Right to Left Layout for Drilling Mounting Holes

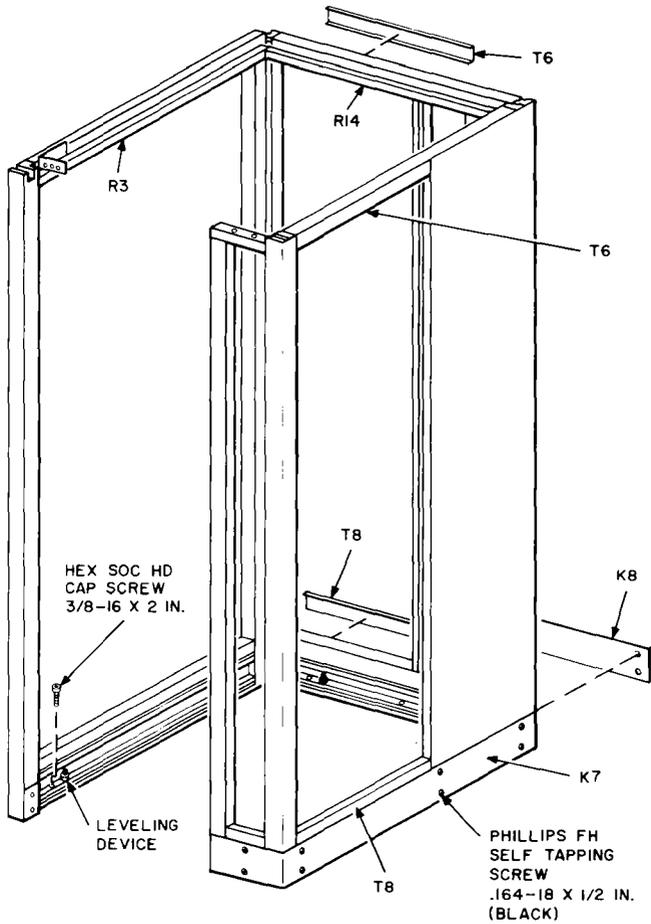


Fig. 14—Partial View of Booth

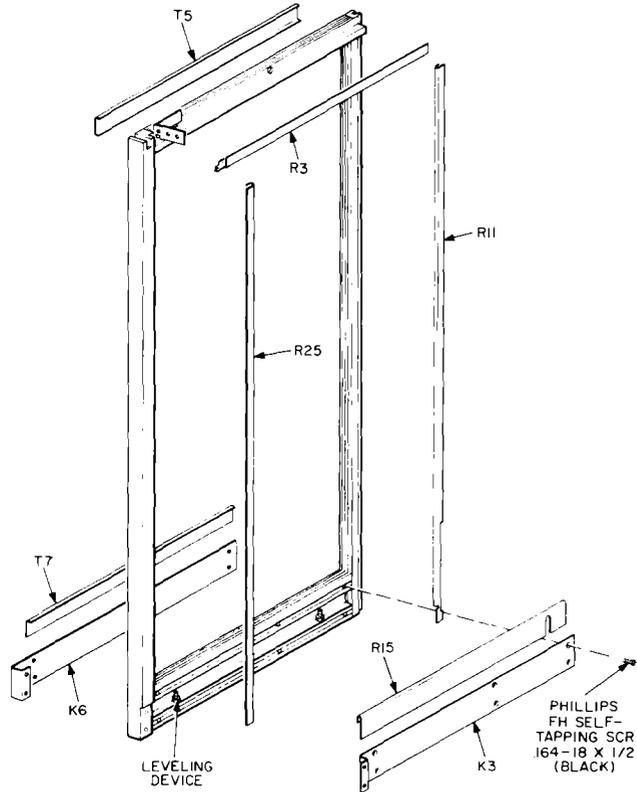


Fig. 15—Partial View of Left Wall

- (2) Place the second List 1 booth behind the first booth and perform operations outlined in 3.06 through 3.10.
- (3) Remove R14 retaining strip from top rear-inside wall of each booth (Fig. 14).
- (4) Tie booth walls together at the top using two 1/4-20 by 1-1/2 hex socket head cap screws and at the bottom using two 1/4-20 by 3/4 hex socket head cap screws. Screws are not furnished; they must be ordered separately.
- (5) Install R14 retaining strips removed in (3) in their original positions.
- (6) Repeat 3.16.

3.29 For a back-to-back installation of more than two booths:

- (1) Install booths side-by-side as directed in 3.22.
- (2) Install booths back-to-back as directed in 3.28.

3.30 Repeat 3.11 through 3.16.

ADDING TO AN EXISTING INSTALLATION (SINGLE OR MULTIPLE)

3.31 To extend an existing line-up to the right:

- (1) Perform operations outlined in 3.22 (1).
- (2) Place the new List 21 booth to the right of the existing line-up.

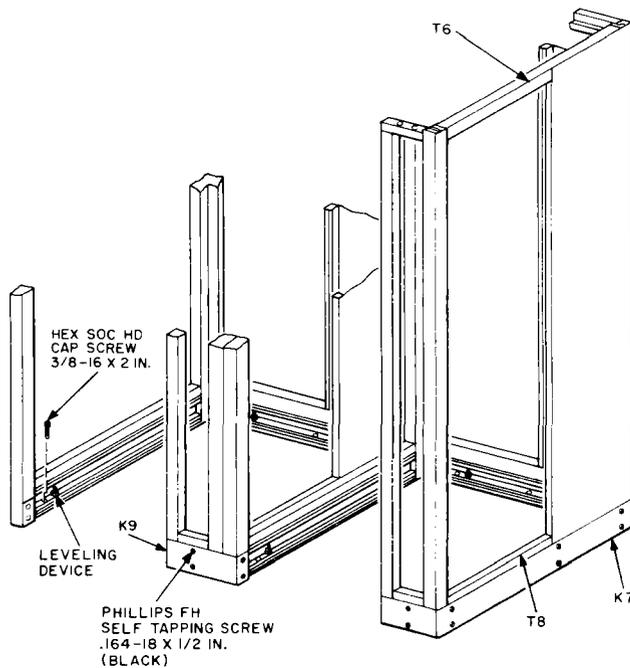


Fig. 16—Partial View of Two Booths



If added booth is equipped with a List 90 floor, omit (3) through (7) and (10).

- (3) Remove and retain the inside kickplates.
- (4) Mark the location for four mounting holes and move the booth aside.
- (5) Drill the four holes to a depth of 1-1/4 inches using a 1/4-inch drill.
- (6) Repeat 3.05.
- (7) Place booth in the mounting position and repeat 3.10.
- (8) Repeat 3.22 (3) through (8).
- (9) Perform operations listed in 3.11, 3.12, 3.35, and 3.37.
- (10) Install inside kickplates retained in (3).
- (11) Install fluorescent lamp and dome assembly (Fig. 10).

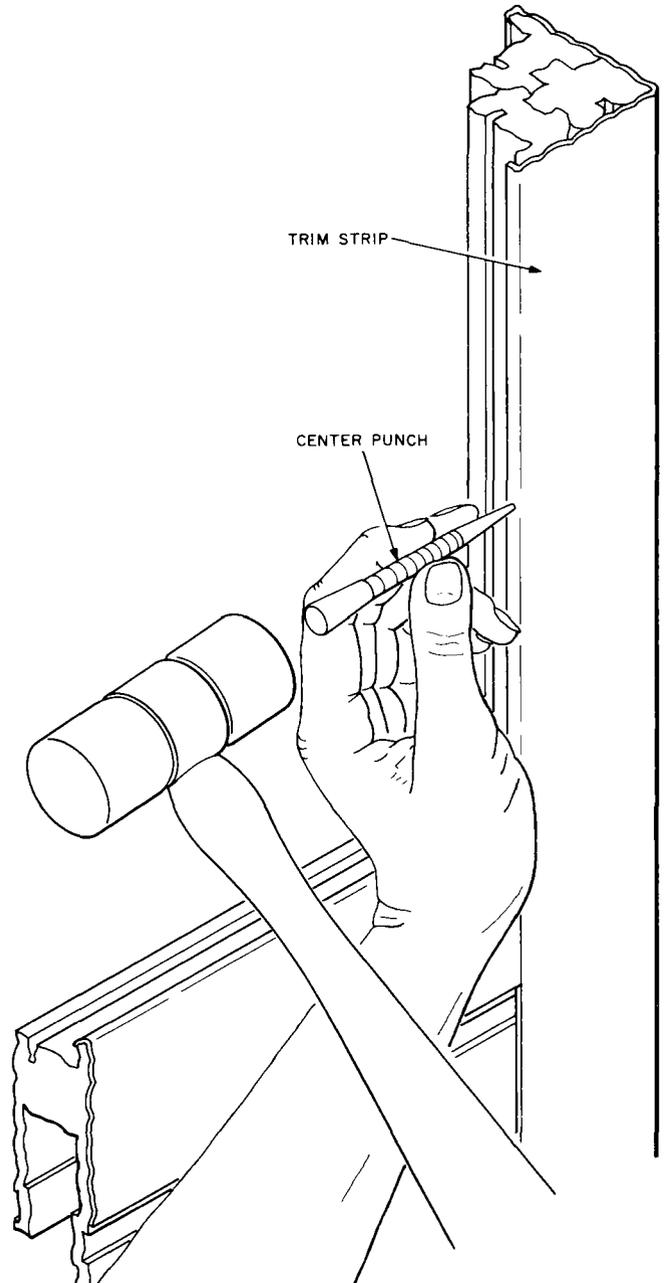


Fig. 17—Method of Crimping Trim Strips

3.32 To extend an existing line-up to the left:

Note: The left-hand booth is always a List 1; however, to extend an existing line-up to the left, a List 21 booth must be added. The following procedures provide a means of adding a List 21 booth to the left of an existing line up. It may be desirable to move the List 1

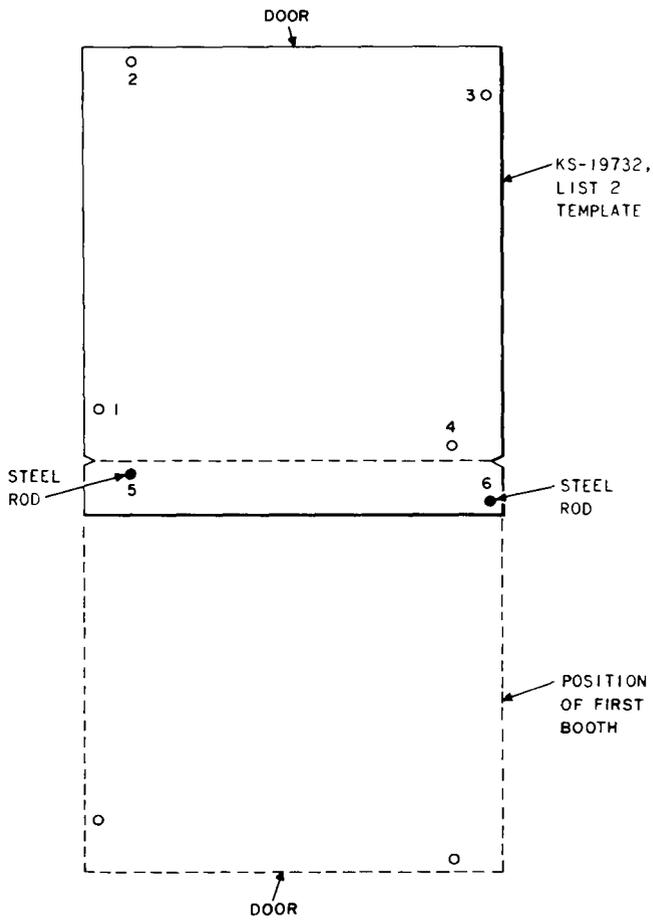


Fig. 18—Back-to-Back Layout for Drilling Mounting Holes

booth to the left and add the List 21 on the right in accordance with 3.31.

(1) Remove and retain the following items from the previous existing or left end booth (Fig. 15):

- Seat assembly (See Fig. 19).
- K6 kickplate
- T7 trim strip
- T5 trim strip
- K3 kickplate
- R15 retaining strip

- R3 retaining strip
- R11 retaining strip
- R25 retaining strip
- L57 glass panel
- G4 glazing strip

(2) Place new booth to the left of the existing line-up.



If new booth is equipped with a List 90 floor, omit (3).

(3) Repeat 3.31 (3) through (7).

(4) Repeat 3.22 (4).

(5) Remove and retain the following items from the new booth.

- Seat assembly
- K3 kickplate
- R15 retaining strip
- R3 retaining strip
- R11 retaining strip
- R25 retaining strip

(6) Transfer B-651879 rails from the left wall of the new booth to the wall where the glass panel was removed.

(7) Install all items retained in (1) and (5) on the left walls of the booths (Fig. 15).

(8) Crimp the top edge of the T5 trim strip approximately every 6 inches using RS-14770 soft face hammer and a center punch (Fig. 17).

Note: K6 will secure T7 sufficiently without crimping T7.

(9) Repeat 3.22 (8).

(10) Repeat 3.11, 3.12, 3.35, and 3.37.

(11) Repeat 3.31 (10) and (11).

3.33 to extend an existing back-to-back installation:

(1) Refer to 3.29, 3.31, and 3.32.

TELEPHONE WIRING

3.34 Run the entrance cable or inside wires into the booth from the base or top as follows:

(a) If the entrance is made from the floor, extend cable to the ceiling area using the channel in the right wall (Fig. 11). Terminate cable at the 42A-type connecting block located in the left rear corner of the ceiling.

Note: In case of multiple arrangements, the 42A-type connecting block supplied may be replaced by a 30A-type to provide necessary terminations.

(b) If the entrance is made from the top, run the cable through one of the knockouts provided in the roof, either side, rear, or top. Terminate cable at the connecting block located in the left-rear corner of the ceiling.

3.35 In multiple arrangements, run telephone wiring from booth to booth through knockouts in the sides of the roof. Terminate all telephone wiring at the 42A-type connecting block (or 30A-type connecting block if one is present).

ELECTIRC WIRING

3.36 Run the power cable into a booth from the base or top as follows:

(a) If the entrance is made from the floor, extend cable to the ceiling area using the channel in the right wall (Fig. 11). Terminate cable at the electrical receptacle located in the left rear corner of the ceiling.

(b) If the entrance is made from the top, use KS-19425, List 22 cable assembly (Fig. 3) or an approved permanent wire and run cable through one of the knockouts provided in the roof, either side, rear, or top. Terminate cable at the electrical receptacle located in the left rear corner of the ceiling.

3.37 In multiple arrangements, run KS-19425, List 22 cable or approved permanent wire from booth to booth through knockouts in the side of the roofs. Terminate all electrical wiring at the electrical receptacle located in the left-rear corner of each booth.

4. MAINTENANCE

INSPECTION

4.01 Ensure that all visible screws are secure. and replace missing screws. Use the following listing as a guide for ordering screws other than standard hardware.

SECTION 508-204-100

| DESCRIPTION | SIZE | WHERE USED |
|--|----------------|---|
| Hex Socket Head Cap Nylok Screw | 1/4-20 x 3/4 | Secures set block to frame (Fig. 19) |
| Hex Head Screw | 1/4-20 x 1-1/2 | Secures seat block to seat assembly (Fig. 19) |
| Hex Socket Head Cap Nylok Screw | 1/4-20 x 1-7/8 | Secures support to booth frame (Fig. 19) |
| Hex Socket Head Cap Nylok Screw | 1/4-20 x 2-1/2 | Secures seat to corner support (Fig. 19) |
| Phillips Flathead Machine Screw | .190-32 x 1 | Secures door stop block to header |
| Phillips Round Head Machine Screw | .138-32 x 3/16 | Secures inside retaining strip to header |
| Phillips Round Head Machine Screw | .164-32 x 1/2 | Secures actuator to door and secures door hinge to post |
| Phillips Round Head Self-tapping Screw, Type B | .164-18 x 5/16 | Secures angle (holding telephone sign in place) to roof, secures air intake to header and secures corner retaining strip to frame |
| Phillips Flathead Self-tapping Screw, Type B | .164-18 x 1/2 | Secures kick-plates |

Note 1: All listed screws are black except the 1/4-20 by 1-7/8 hex socket head cap nylok screw which is unpainted.

Note 2: These screws may be obtained from O.M. Edwards Company, Inc., Syracuse, N.Y.

Note 3: If threaded screw holes are stripped, use the next larger size of the same type screw.

Note 4: All screws threaded into aluminum parts should be coated with KS-19094 antiseize compound.

4.02 Check electrical grounding as covered in Section 508-100-100.

SEAT ASSEMBLY

Note: A damaged B-562302 seat cover (Fig. 20) may be replaced without replacing the entire seat.

4.03 To remove seat assembly from booth (Fig. 19):

- (1) Remove one 1/4-20 by 1-1/2 hex head screw and one 1/4-inch lockwasher which secures seat assembly to B-562301 block.
- (2) Remove two 1/4-20 by 2-1/2 hex socket head cap nylok screws which secure seat assembly to B-562389 support.
- (3) Lift seat assembly up and off.

4.04 To install seat assembly, use reverse procedure.

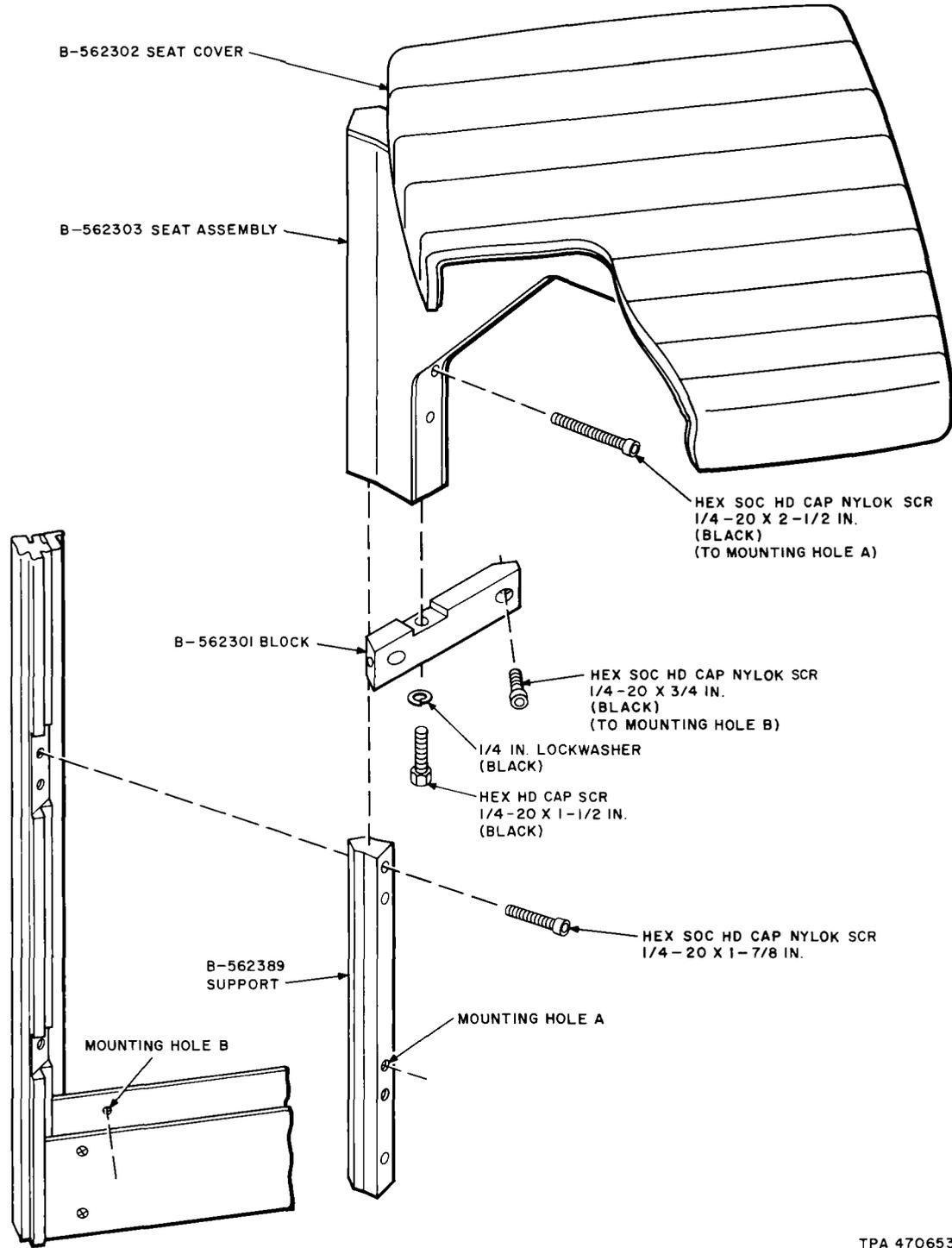
4.05 To remove B-562302 seat cover (Fig. 20):

- (1) Remove twelve .138-32 by 3/16 Phillips round head machine screws, two B-564279 clamps, and two B-564336 clamps.
- (2) Lift cover off.

4.06 Install new B-562302 cover using reverse procedure.

4.07 To replace seat block and/or support, refer to Fig. 19.

Note: Ensure that all interlocking parts are properly engaged and all screws are tight.



TPA 470653

Fig. 19—Installation of Seat Assembly

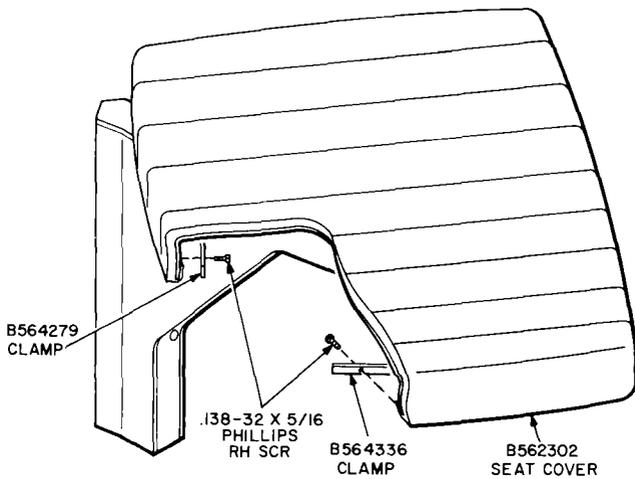


Fig. 20—Seat Assembly

DOMES ASSEMBLY

THINK → Use eye protection when removing the dome assembly.

- 4.08 Remove dome assembly in accordance with Fig. 10.
- 4.09 Clean the dome assembly if required (see Section 508-100-101).
- 4.10 Clean the space between the ceiling and roof of all loose dirt and other foreign materials.
- 4.11 Replace dome assemblies which do not meet local telephone company standards.

LIGHT AND BLOWER ASSEMBLY

THINK → Use eye protection when handling fluorescent lamps. Before making any repairs or replacements in electrical equipment, disconnect ac power plug or turn the service switch off and verify that circuit is dead by checking with an approved voltmeter.

- 4.12 Determine that the door operated switch (B-563122, Fig. 21) located in the left-front of the ceiling, properly actuates the blower unit. Access to the switch can be gained by removing the dome assembly.

Note: Booths are wired for continuous illumination. If desired, the light may be controlled by the door operated switch. Refer to Section 508-820-100.

- 4.13 Determine that the manually operated FAN switch turns the blower on and off when the door is closed. Replace defective switch assemblies (B-563123) as follows:

- (a) Remove the fan switch coverplate using an orange stick.
- (b) Remove the two .138-32 by 3/16 Phillips round head machine screws which secure the switch bracket to the frame.
- (c) Disconnect the two wire leads and replace the switch assembly.
- (d) Install the fan switch coverplate.

- 4.14 Ensure that all electrical leads are securely clamped away from the air inlet hole and from the rotating impeller.

- 4.15 To remove KS-19207 light and blower assembly:

- (1) Remove dome assembly.
- (2) Remove circline lamp.
- (3) Loosen four screws.
- (4) Slide unit back and down allowing left side to slide out first.

PHONE SIGN

- 4.16 Remove four .164-18 by 5/16 painted Phillips round head self-tapping screws which secure B-562379 angle to the roof (Fig. 21).

- 4.17 Remove the phone sign.

- 4.18 Replace signs which are broken or which will not meet local telephone company standards. See Table A for available signs.

NOTE:

REMOVE PAPER BACKING FROM PLEXIGLASS BAFFLE.

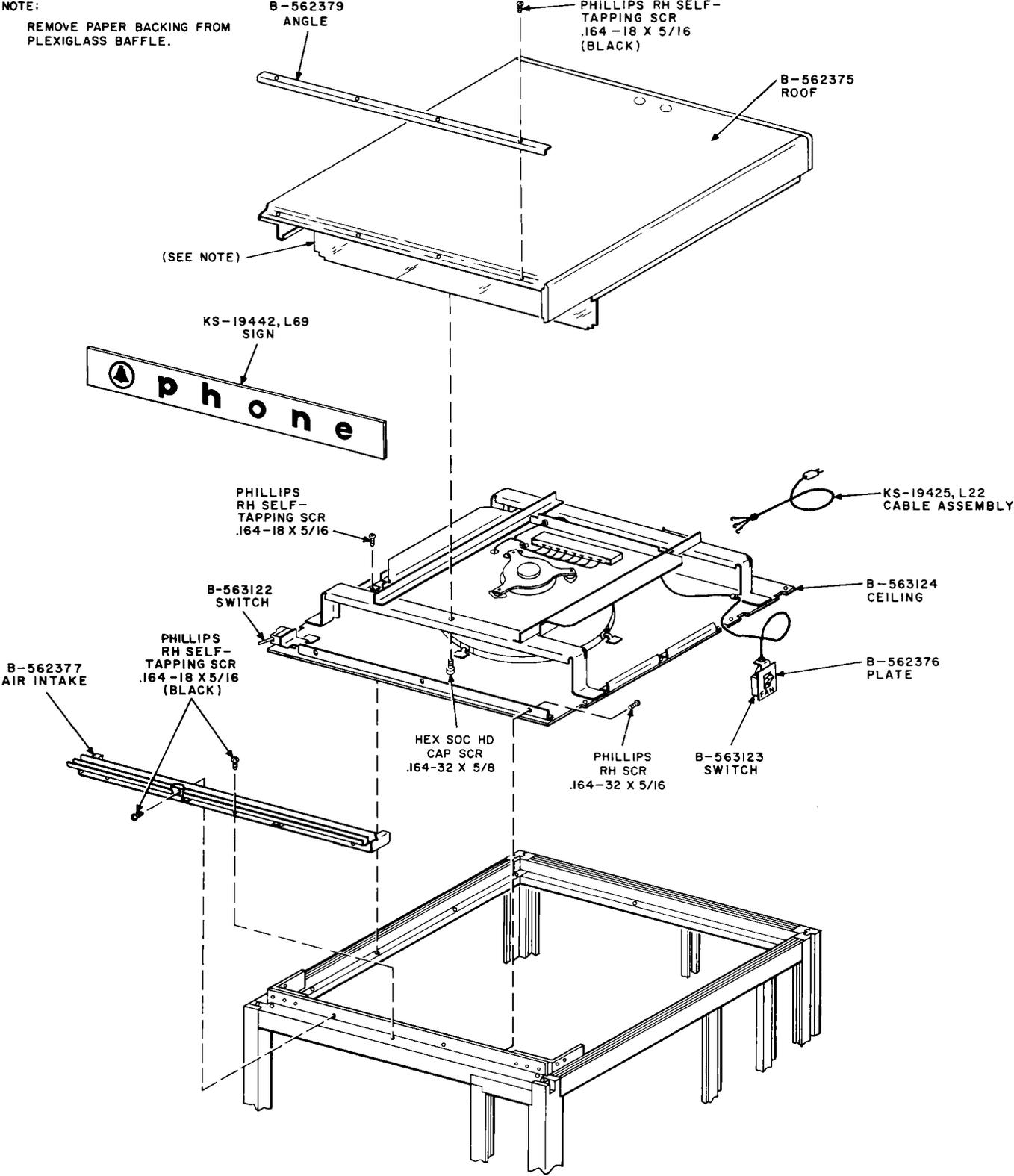


Fig. 21—Installation of Ceiling and Roof Assembly

SECTION 508-204-100

ROOF

4.19 If it becomes necessary to remove the roof (Fig. 21):

- Remove the phone sign
- Remove two .164-18 by 1/2 RH self-tapping screws which secure front of roof to frame
- Remove the dome assembly
- Remove three No. 8-32 by 5/8 hex socket head cap screws
- Lift roof off

SHELF ASSEMBLY

4.20 Replace broken or damaged shelves as follows (Fig. 22):

- (1) Loosen three B-189998-3 tamperproof screws (190-32 by 1/2) using KS-19192, List 1 wrench.
- (2) Pull B-562352 and B-562354 supports forward and up and remove the glass shelf.
- (3) Mount B-562356 shelf on the two support assemblies as shown.
- (4) Position B-562352 support down over front of shelf and engage rear slot over the pin of B-650595 support assembly. Slide B-562352 support down and back into position. Tighten the screw.
- (5) Slide B-562354 support down and back into position over rear end of shelf. Tighten the two screws.

DOOR ASSEMBLY

4.21 When pushed closed from inside, the door should remain completely closed.

4.22 A slight pull on the handle should open the door and restore it to normal position.

4.23 Ensure that the nylon roller and door track are clean.

4.24 The door should operate freely throughout its entire travel without binding, squeaking,

or chattering. When the door binds, squeaks, or chatters, check the following items:

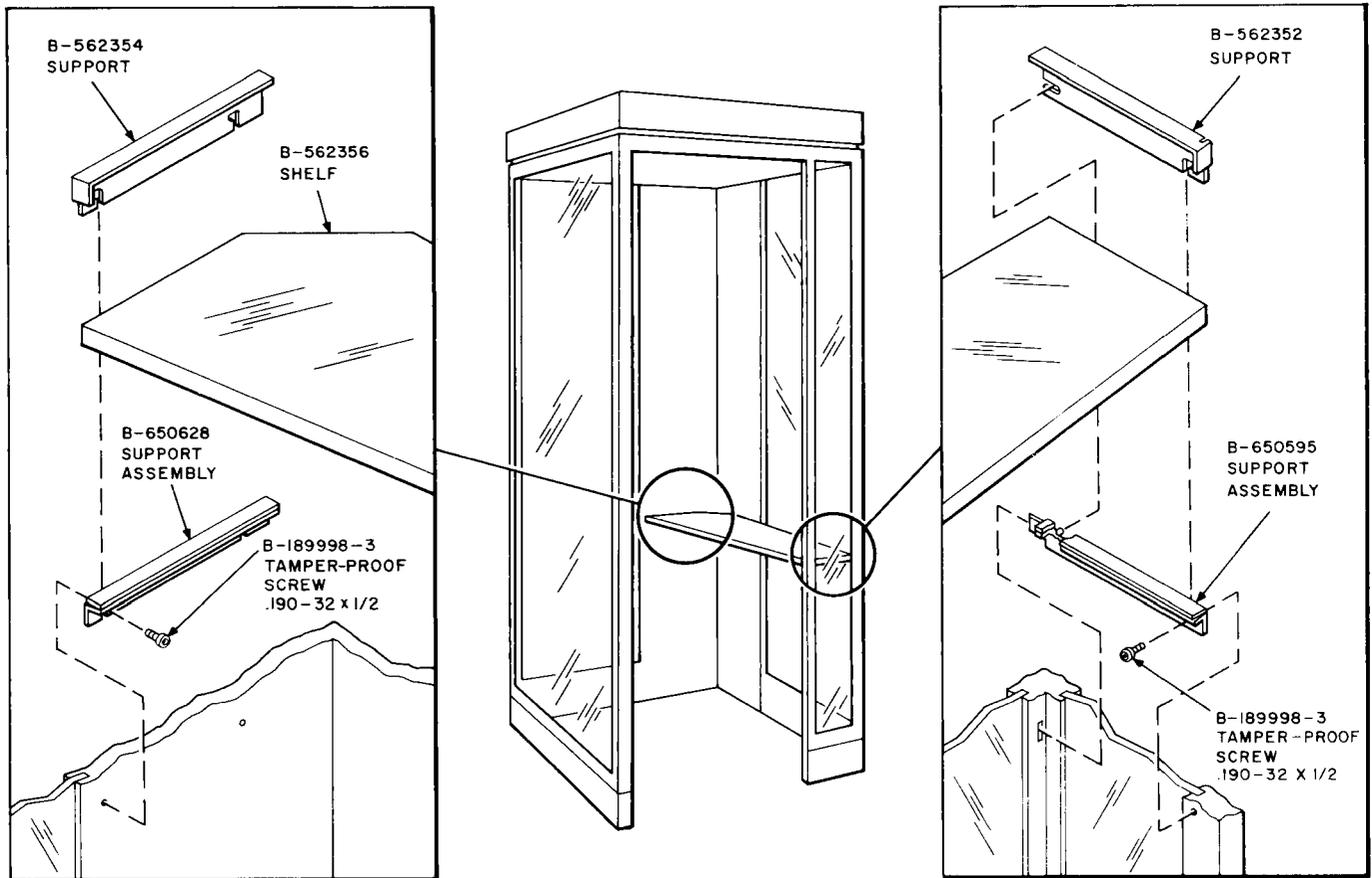
- (1) Ensure that booth is level.
- (2) Check hinge wear. Clearance between hinge barrels should not exceed 1/16-inch. Replace worn hinges.
- (3) Lubricate hinges, roller, and door track with KS-14774, List 2G lubricant. KS-14796 oiler can be used for application.

4.25 If it becomes necessary to install a new door, perform following procedures (Fig. 23):

- (1) Place a strip of 5/8-inch thick wood or equivalent material at the door opening to raise the level of the door so that the screw holes will line up with the corresponding holes in the left front column.
- (2) Rest the bottom of the folded door on the wood strip with the handle toward the inside of the booth and the top tilting at a slight angle toward the right door column.
- (3) Line up the guide pin with the door track. Install B-562381 roller on the guide pin and straighten up the door.
- (4) Secure the door hinge to the left column using eleven .164-32 by 1/2 painted Phillips round head machine screws and eleven No. 8 black lockwashers.

Note: It may be necessary to use two awls for aligning the holes.

- (5) Install the actuator-assembly using two .164-32 by 1/2 painted Phillips round head machine screws and two No. 8 black lockwashers and slide it up into the access hole in the left front corner of the ceiling.
- (6) Determine that the actuator properly engages the switch spring and secure the actuator to the door.
- (7) Install B-650429 spring stop assembly on the header using one .190-32 by 1 painted Phillips flathead machine screw.



TPA 470648

Fig. 22—Installation of Shelf Assembly

GLASS PANELS

THINK *Wear gloves and eye protection when handling glass panels to prevent personal injury.*

THINK *Use care when handling tempered glass. Nicks or scratches will damage the glass and may cause it to shatter.*

THINK *Do not allow metal tools to come in contact with edge of tempered glass.*

4.26 Glass panels which do not meet local telephone company standards shall be replaced as follows:

Note 1: Glass lifters capable of lifting 50 pounds or more shall be used when handling glass panels.

Note 2: Install panels with the manufacturer's trade name toward the bottom and the lip of the glazing strips toward the outside of the booth. The outside trim strips fit under the lip of the glazing strips.

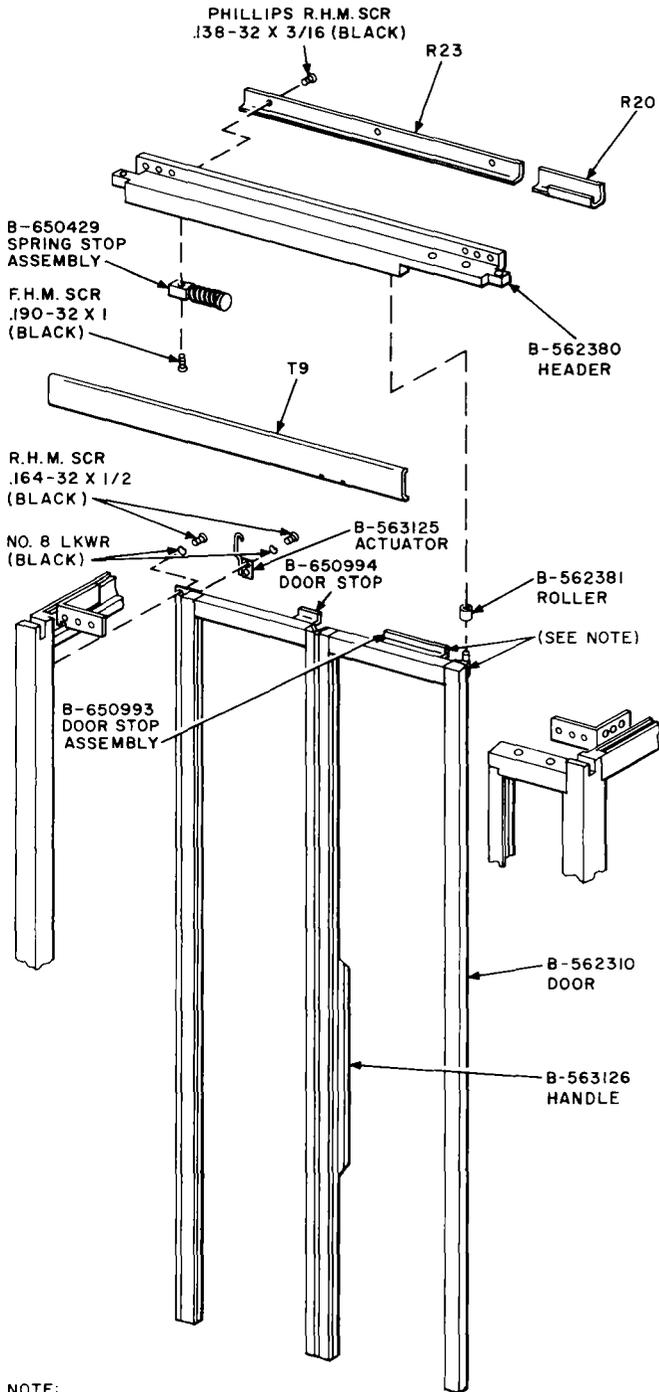
Note 3: Install top strips first, side strips next, and bottom strips last.

- (a) Refer to Fig. 24 for installing door panels. Side and rear panels are similarly installed.
- (b) Refer to Table C for a complete list of glass panels, glazing strips, and retaining strips.

TRIM STRIPS

4.27 Replace trim strips that are damaged.

SECTION 508-204-100



NOTE:
 EARLIER MODELS OF THE BOOTH WERE EQUIPPED WITH A B-562315 GUIDE ASSEMBLY AND A B-562318 DOOR STOP. IN CURRENT MODELS, THESE TWO ITEMS ARE COMBINED INTO ONE ASSEMBLY AS SHOWN (B-650993 DOOR STOP ASSEMBLY). IF EITHER OF THE TWO EARLY ITEMS BECOMES DAMAGED, THEY SHOULD BE REPLACED WITH THE B-650993 DOOR STOP ASSEMBLY.

Fig. 23—Door Header, Trim, and Door Assembly

(a) Refer to Table D for complete list of trim strips.

(b) Crimp the edges of all trim strips (except T7, T8, and T11) after they have been installed, approximately every 6 inches, using RS-14770 soft face hammer and a center punch (Fig. 17). These indentations should be kept small enough to be hidden by the glazing strips.

Note: T7, T8, and T11 are secured with kickplates.

4.28 Replace kickplates that are damaged.

(a) Refer to Table E for complete list of kickplates.

CORNER PANELS

Note: All inside corner panels are stainless steel.

4.29 Replace panels that are damaged.

(a) Refer to Table F for complete list of panels.

(b) Replace inside panels (P1 and P2) as follows:

- (1) Remove coin telephone set.
- (2) Remove shelf assembly as directed in 4.20.
- (3) Remove blower switch (from P1 only).
- (4) Remove two .164-18 by 5/16 Phillips round head self-tapping screws.
- (5) Slide panel (P1 to right or P2 to left) until it is free of the retaining clips and slide the panel down (Fig. 28).
- (6) Install using reverse procedure.

(c) Replace outside panels (P3 and P4) as follows:

- (1) Perform operations outlined in (b) (1) through (5).
- (2) Remove twelve .164-18 by 5/16 Phillips round head self-tapping screws and four B-565766 clamps from each panel (Fig. 25 and 26).

TABLE C
GLASS PANELS, GLAZING STRIPS, AND RETAINING STRIPS

| GLASS PANEL | POSITION INSTALLED | GLAZING STRIP | | RETAINING STRIP | | | |
|----------------------|--------------------|---------------|-------------|-----------------|------------|--------------------------------|-----------|
| | | DESIGNATION | PART NO. | DESIGNATION | PART NO. | POSITION* ON PANEL | FIG. REF. |
| KS-19442, List 51 | Door | G1 | B-562320-1 | | B-562317-1 | Bottom | 24 |
| | | | | | B-562317-2 | Top | |
| | | | | | B-562317-3 | Right edge as viewed from rear | |
| | | | | | B-562317-4 | Left edge as viewed from rear | |
| KS-19442, List 53 | Right Wall | G2 | B-562320-2 | R13 | B-563116 | Top | 25 |
| | | | | R7 | B-563113-1 | Rear | |
| | | | | R10 | B-563114-1 | Front | |
| | | | | R17 | B-562398-3 | Bottom | |
| | Rear Wall | | | R14 | B-563117 | Top | 26 |
| | | | | R8 | B-563113-2 | Left | |
| | | | | R22 | B-563114-3 | Right | |
| KS-19442, List 57 | Left Wall | G4 | B-562320-4 | R16 | B-562398-2 | Bottom | 27 |
| | | | | R3 | B-562397 | Top | |
| | | | | R11 | B-563114-2 | Rear | |
| | | | | R25 | B-563113-4 | Front | |
| KS-19442, List 59 | Front Wall | G5 | B-562320-5 | R15 | B-562398-1 | Bottom | 23 |
| | | | | R20 | B-562399 | Top | |
| | | | | R9 | B-563113-3 | Corner | 25 |
| | | | | R12 | B-563115 | Adjacent to door | |
| | | | | R18 | B-562398-4 | Bottom | |
| | R23 | B-566302 | Door header | 23 | | | |

* Panel positions as viewed from inside of booth

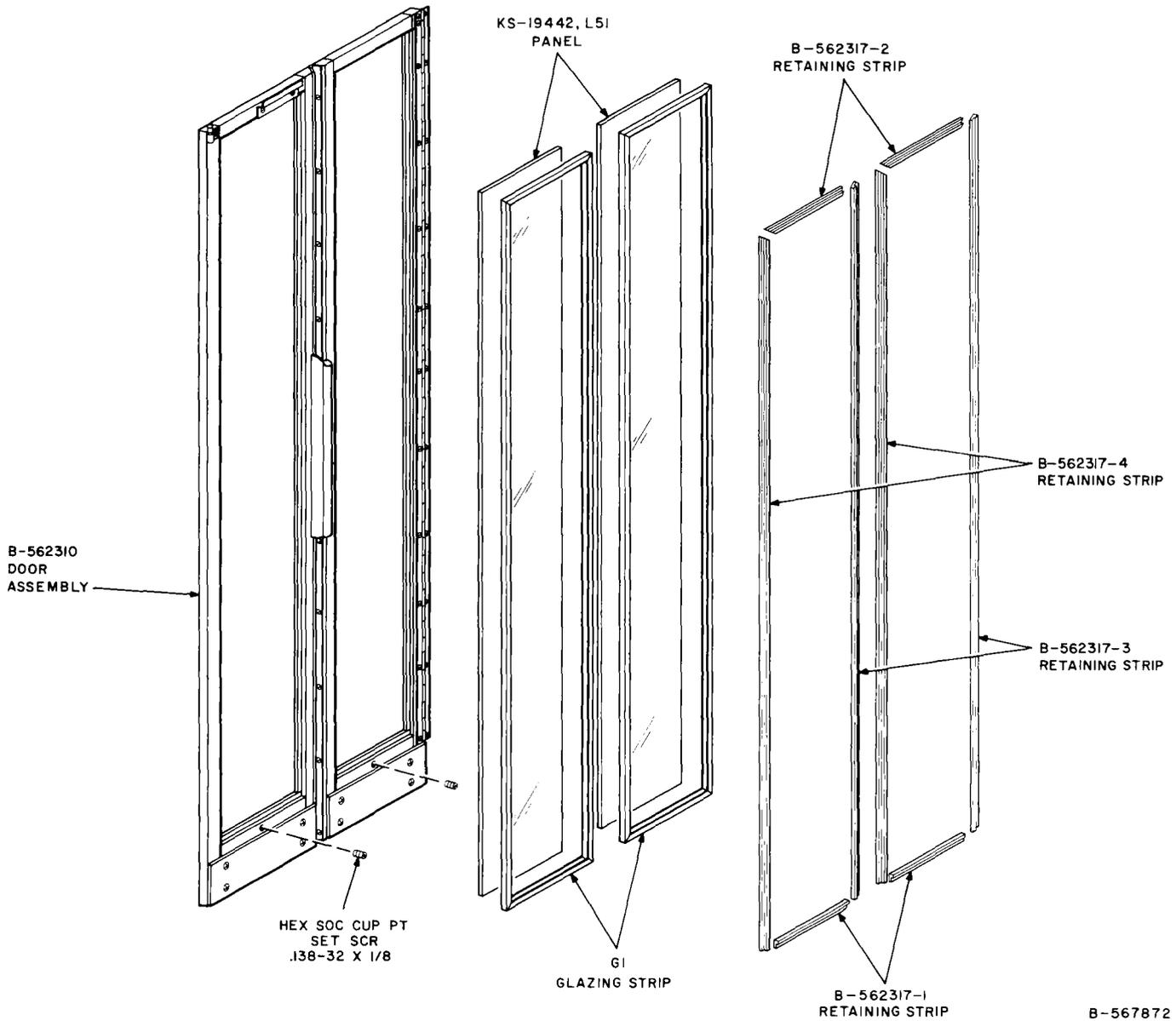


Fig. 24—Installation of Glass Panels in Door

(3) Install using reverse procedure.

4.31 Refer to Section 508-100-101 for cleaning of booth and booth accessories.

CLEANING

4.30 Only surfaces exposed to view when the booth is in service need be cleaned.

REPLACEMENT PARTS

4.32 Table G lists miscellaneous replacement parts which may be ordered as necessary.

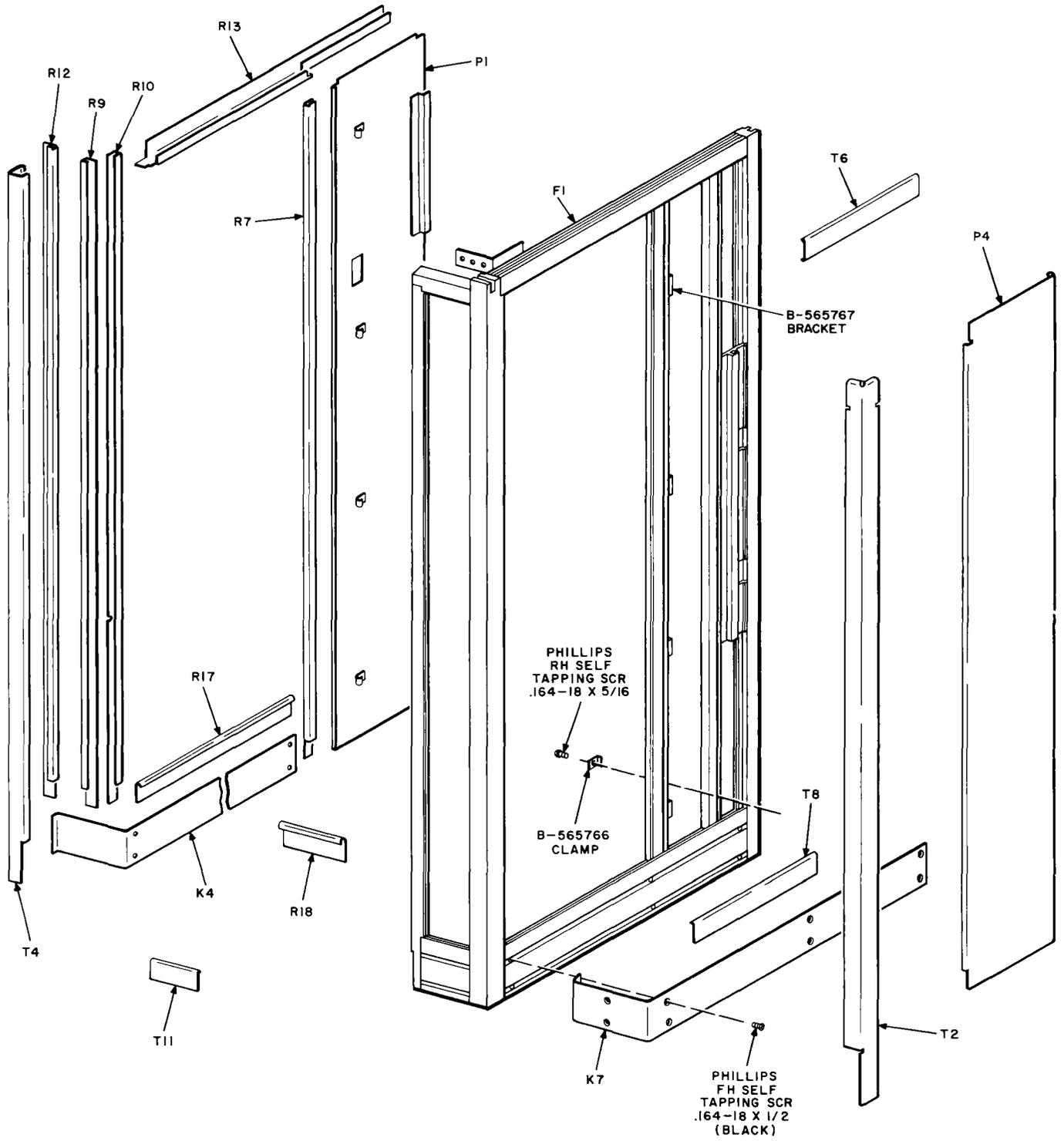


Fig. 25—Exploded View of Right Wall

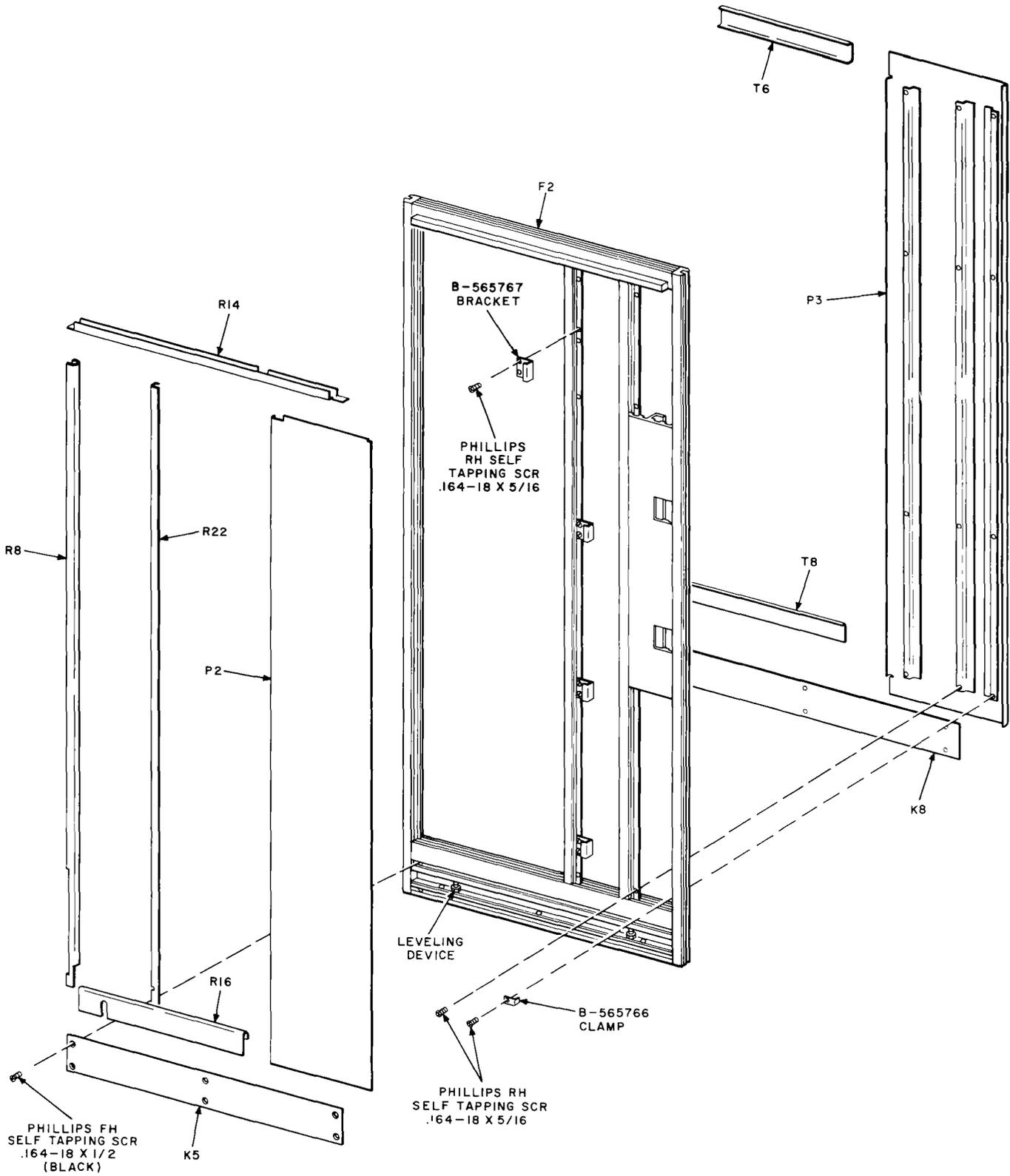


Fig. 26—Exploded View of Rear Wall

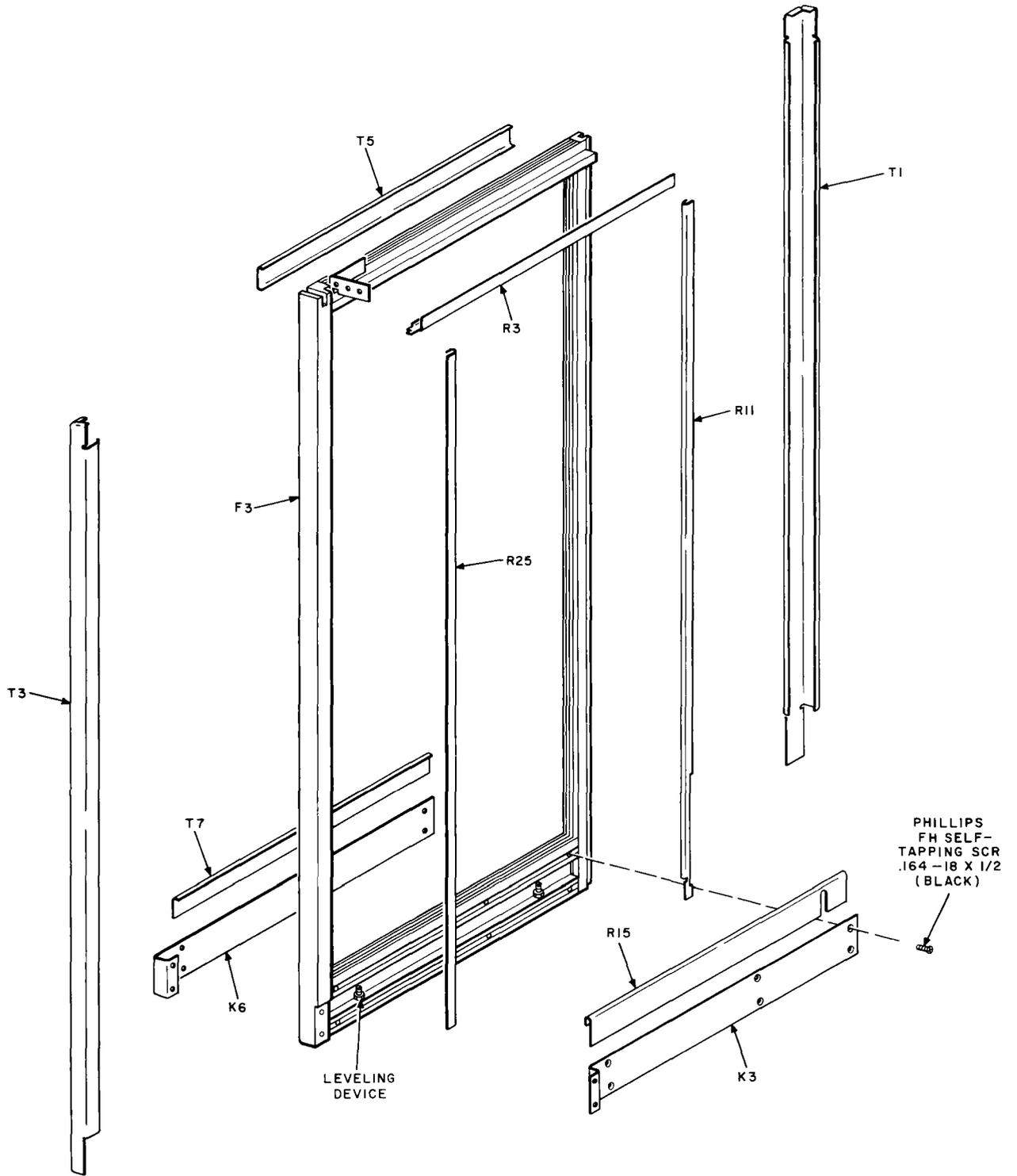
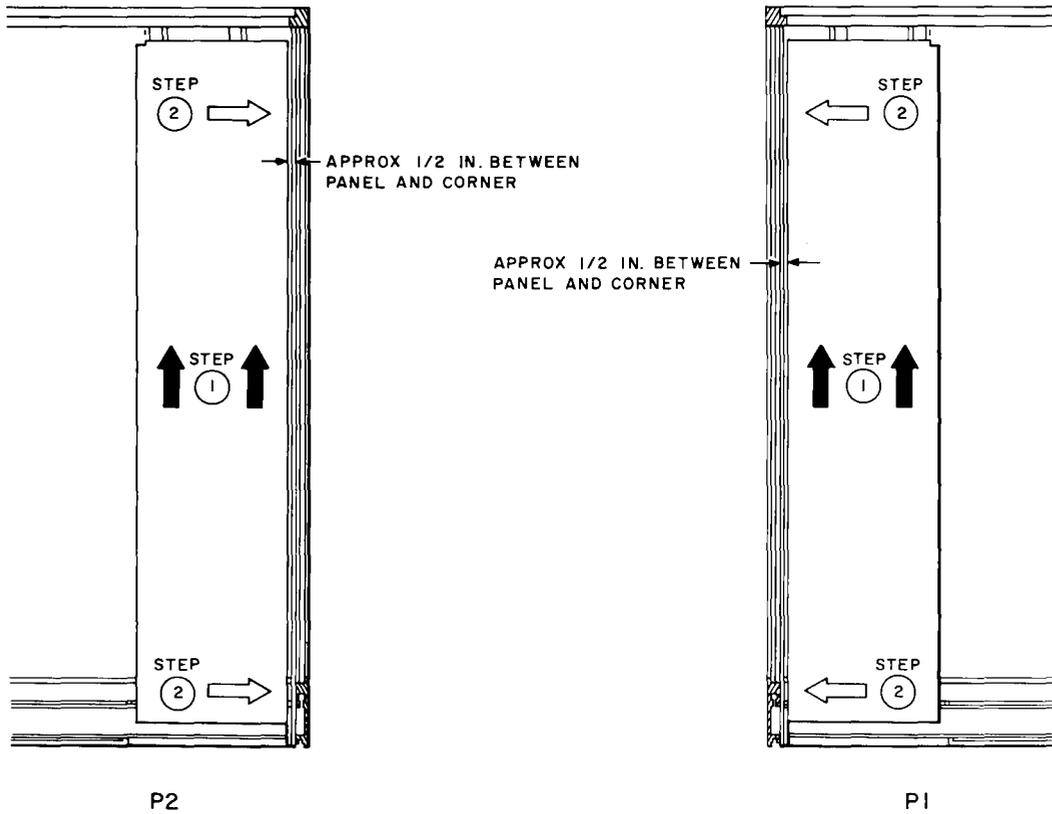


Fig. 27—Exploded View of Left Wall



PROCEDURE FOR INSTALLATION
OF P1 AND P2 PANELS
(REVERSE PROCEDURE
FOR REMOVAL)

Fig. 28—Installation and Removal of P1 and P2 Panels

TABLE D
TRIM STRIPS

| DESIGNATION | FIG. REF | PART NO. | FINISH | | | LOCATION |
|-------------|----------|-----------|-------------------|-----------------|-----------------|-------------------------------|
| | | | ANODIZED ALUMINUM | STAINLESS STEEL | ANODIZED BRONZE | |
| T1 | 27 | B-562390- | 1 | • | | Left rear corner |
| | | | 2 | | • | |
| | | | 3 | | • | |
| T2 | 25 | B-562390- | 4 | • | | Right front corner |
| | | | 5 | | • | |
| | | | 6 | | • | |
| T3 | 27 | B-562391- | 1 | • | | Left front corner |
| | | | 2 | | • | |
| | | | 3 | | • | |
| T4 | 25 | B-562392- | 1 | • | | Front — adjacent to door |
| | | | 2 | | • | |
| | | | 3 | | • | |
| T5 | 27 | B-562393- | 1 | • | | Left wall — top |
| | | | 2 | | • | |
| | | | 3 | | • | |
| T6 | 25 & 26 | B-562393- | 4 | • | | Right and rear walls — top |
| | | | 5 | | • | |
| | | | 6 | | • | |
| T7 | 27 | B-562394- | 1 | • | | Left wall — bottom |
| | | | 2 | | • | |
| | | | 3 | | • | |
| T8 | 25 & 26 | B-562394- | 4 | • | | Right and rear walls — bottom |
| | | | 5 | | • | |
| | | | 6 | | • | |
| T9 | 23 | B-562395- | 1 | • | | Door header |
| | | | 2 | | • | |
| | | | 3 | | • | |
| T11 | 25 | B-563129- | 1 | • | | Front wall — bottom |
| | | | 2 | | • | |
| | | | 3 | | • | |

TABLE E
KICKPLATES

| DESIGNATION | FIG. REF | PART NO. | LOCATION |
|-------------|----------|----------|----------------------|
| K3 | 27 | B-562357 | Left wall — inside |
| K4 | 25 | B-562358 | Right wall — inside |
| K5 | 26 | B-562359 | Rear wall — inside |
| K6 | 27 | B-562360 | Left wall — outside |
| K7 | 25 | B-562361 | Right wall — outside |
| K8 | 26 | B-562362 | Rear wall — outside |
| K9* | 16 | B-562363 | Front wall — outside |

* K9 used only in multiple arrangements.

TABLE F
CORNER PANELS

| DESIGNATION | FIG. REF | PART NO. | FINISH | | | LOCATION |
|-------------|----------|-----------|-------------------|-----------------|-----------------|----------------------|
| | | | ANODIZED ALUMINUM | STAINLESS STEEL | ANODIZED BRONZE | |
| P1 | 25 | B-562304 | | • | | Right wall — inside |
| P2 | 26 | B-562305 | | • | | Rear wall — inside |
| P3 | 26 | B-562306- | 1 | • | | Rear wall — outside |
| | | | 2 | | • | |
| | | | 3 | | | |
| P4 | 25 | B-562307- | 1 | • | | Right wall — outside |
| | | | 2 | | • | |
| | | | 3 | | | |

TABLE G
MISCELLANEOUS REPLACEMENT PARTS

| NAME | PART NO. LIST NO. OR DESCRIPTION | REMARKS |
|----------------------|--|---|
| Actuator | B-563125 | Located on door for actuating snap action switch |
| Cable Assembly | KS-19425, List 22 | For incoming power or interconnecting power between multiple booths |
| Cover, seat | B-562302 | See Fig. 20 |
| Cover, telephone | 127A | For use over panel telephone |
| Dome Assembly | B-551952 | |
| Door Stop | B-650994 | Located on top center of door |
| Door Stop Assembly | B-650993 | Contains door roller rod |
| Lamp, fluorescent | 40 Watt Circline, CW | |
| Plate, fan switch | B-562376 | Mounts over blower switch |
| Roller | B-562381 | Rolls in door track |
| Seat Assembly | B-562303 | Does not include seat cover |
| Shelf | B-562356 | Tempered glass |
| Spring Stop Assembly | B-650429 | Located on door header |
| Switch, fan | B-563123 | Controls blower motor |
| Switch, snap action | B-563122 | Operates when door is closed |