

## BOOTHS—OUTDOOR

### KS-14611

## INSTALLATION

### 1. GENERAL

1.01 This section is reissued to:

- (a) Add information on booth installation.
- (b) Add information on directory and shelf arrangements.
- (c) Delete KS-16726 Light Control Unit.
- (d) Add KS-19261 Light Control Unit.

1.02 Shipping Precautions.



*The following precautions are to be taken to prevent damage to booth whenever it is moved or transported:*

- Block door in folded position by placing P-480116 block in door track.
- Lower booth to bottom adjustment position of all four anchoring brackets.
- On booth not equipped with aluminum floor, attach cross-brace B-179345 and shipping skid B-177178 to bottom of booth.

### 2. BOOTH INSTALLATION

2.01 Booth location (given with service order) should be:

- Within full view of public.
- Readily accessible but not dangerously close to vehicular traffic.
- Free of such hazards as broken pavement.
- Placed with a minimum clearance of 6 inches from property lines and buildings.
- Placed with as little step-up as possible and still maintain proper drainage.

2.02 Mounting surfaces should be of a concrete base or a wooden platform (such as a boardwalk).

2.03 KS-14611 booths require anchoring in all installations. Mounting surfaces should be smooth and level. These requirements are necessary to provide an even mounting area for the aluminum floor and to keep to a minimum adjustment of anchoring brackets.

2.04 When necessary to prepare a concrete base, the KS-14611, List 41 template can be used as shown in Fig. 1.

- (1) Position template in 40-inch square form on wooden blocks so that top of four mounting inserts will be flush with concrete base.
- (2) Pour concrete around template to fill the form.
- (3) Remove screw plugs from booth mounting inserts when booth is installed. Their sole purpose is to prevent dirt from filling mounting hole.

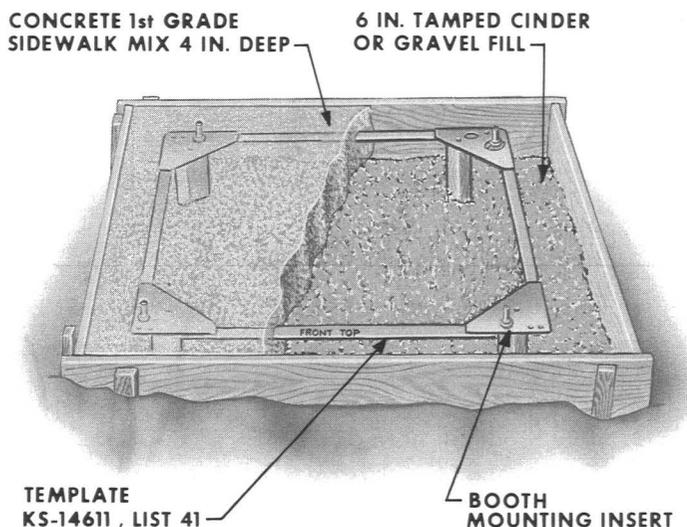
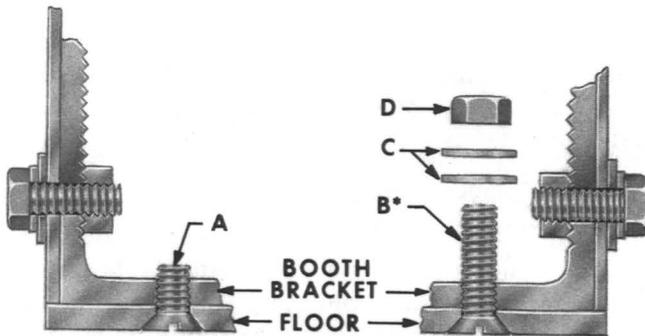


Fig. 1—Concrete Base Preparation with List 41 Template

## Method of Fastening Floor to Booth

2.05 Floor is fastened to booth as shown in Fig 2.



\*Grounding screw, located right rear corner only.

A — Corrosion-resistant steel FHM screw, 5/16-18 by 5/8 inch.

B — Corrosion-resistant steel FHM screw, 5/16-18 by 1-1/4 inches.

Note: Used in right rear corner anchoring bracket to meet grounding requirements when power is provided for both.

C — Standard corrosion-resistant steel washer 3/8 inch.

D — Corrosion-resistant steel hexagonal nut 5/16-18 inch.

Fig. 2 — Floor Assembly

## 2.06 Anchor booth as follows:

- (1) With List 41 template, place fasteners in template inserts (see Fig. 4).
- (2) Without template, drill holes in concrete using a shipping skid or the floor to mark location of holes. Use 3/8 by 2-inch expansion shields and 3/8 by 2-1/2 inch hexagonal machine bolts to anchor booth. Tighten with box wrench (KS-14962).

(3) *Wooden Platform*, drill lead hole in platform using a shipping skid or the floor to mark location of holes. Use 5/16-inch x 2-1/2-inch lag screws to anchor booth.

(4) Use a level to check that booth is plumb.

(5) Adjust if necessary by repositioning nuts on anchor brackets (see Fig. 3).

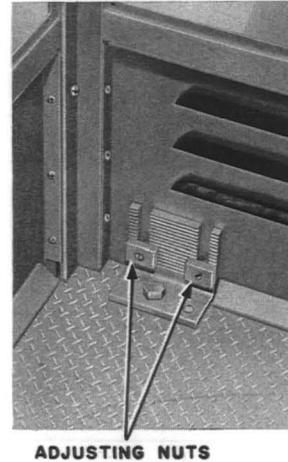


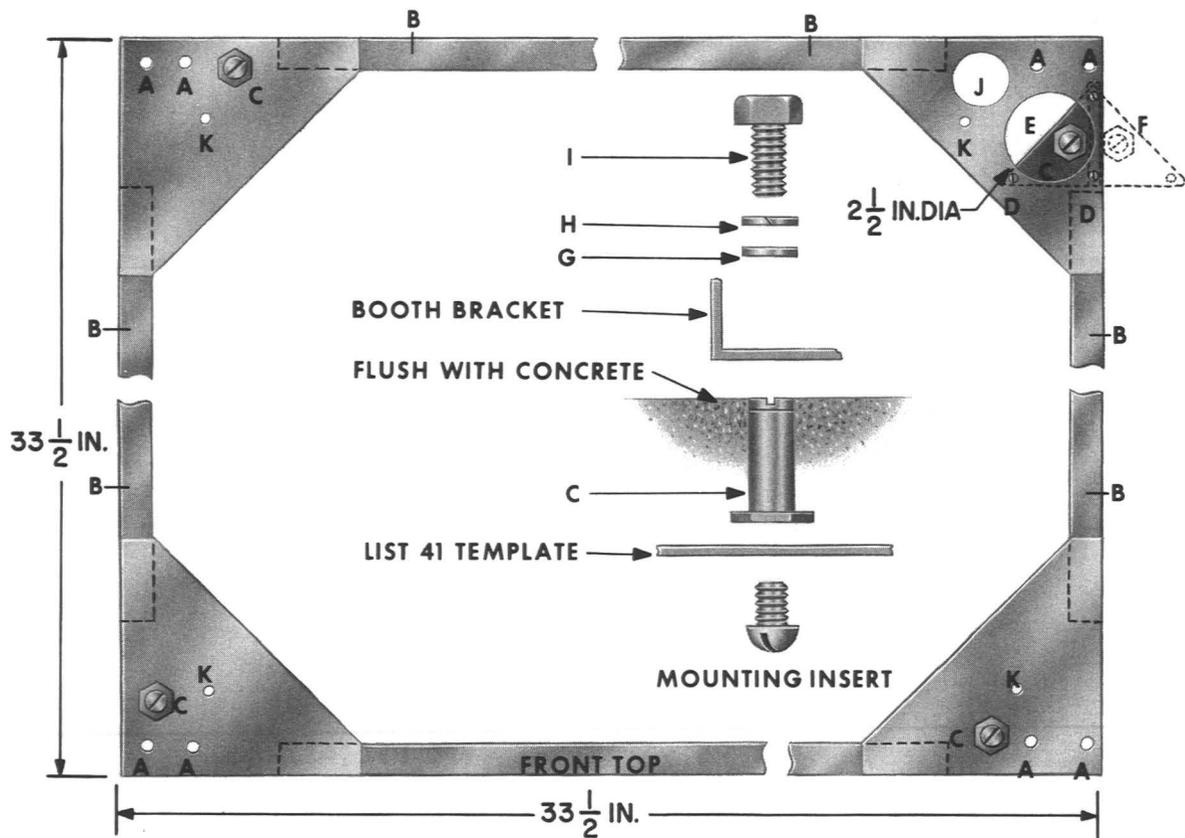
Fig. 3 — Booth Anchoring Bracket

## Door Requirements

2.07 After anchoring and leveling booth, check door for the following:

- (a) Door remains open 2 to 3 inches when it is at normal position. This clearance can be eliminated in cold weather, if desired. Adjust so that door closes without slamming.
- (b) When pushed closed from inside, the door should remain completely closed.
- (c) A slight pull on the handle should open and restore the door to normal position.
- (d) Open-door clearance from the writing shelf is about 1 to 2 inches.

2.08 If the preceding door requirements are not met, refer to Section 508-352-300 and make necessary adjustments.



- A — Holes for joining adjacent templates (where separation between booths is required) at multiple booth installations. Use steel strap and No. 8 sheet metal screws.
- B — Holes for joining adjacent templates (when no separation between booths is required). Fasten together with two No. 10 (.190)-32 by 1/2 inch RHM steel screws and two No. 10-32 hex nuts.
- C — Booth mounting inserts.
- D — Movable plate for locating insert outside the booth when underground conduit is used.
- E — Conduit entrance hole, 2-1/2 inch diameter.
- F — When using underground conduit, locate plate on outside of booth.
- G — Standard zinc-plated washer, 3/8 inch.
- H — Zinc-plated spring lock washer, 3/8 inch.
- I — Zinc-plated bolt, hex head, 3/8-16 by 1-1/4 inches.
- J — Conduit entrance hole, 1-1/2 inch diameter.
- K — Nail holes for attaching wood positioning blocks.

Fig. 4 — Template — KS-14611, List 41

### 3. TELEPHONE WIRING



*Wire spans fastened to booth should not exceed 25 feet. Avoid spanning in front of booth for appearance reasons.*

**3.01** Drop wire entrance holes (Fig. 5) are provided at top and bottom of the rear right column.

**3.02** A 1/4-20 by 3/4 inch Phillips RHM screw and 1/4 inch standard zinc-plated washer, located adjacent to the top drop wire entrance hole, will accommodate a drop wire hook for first attachment, Fig. 6.

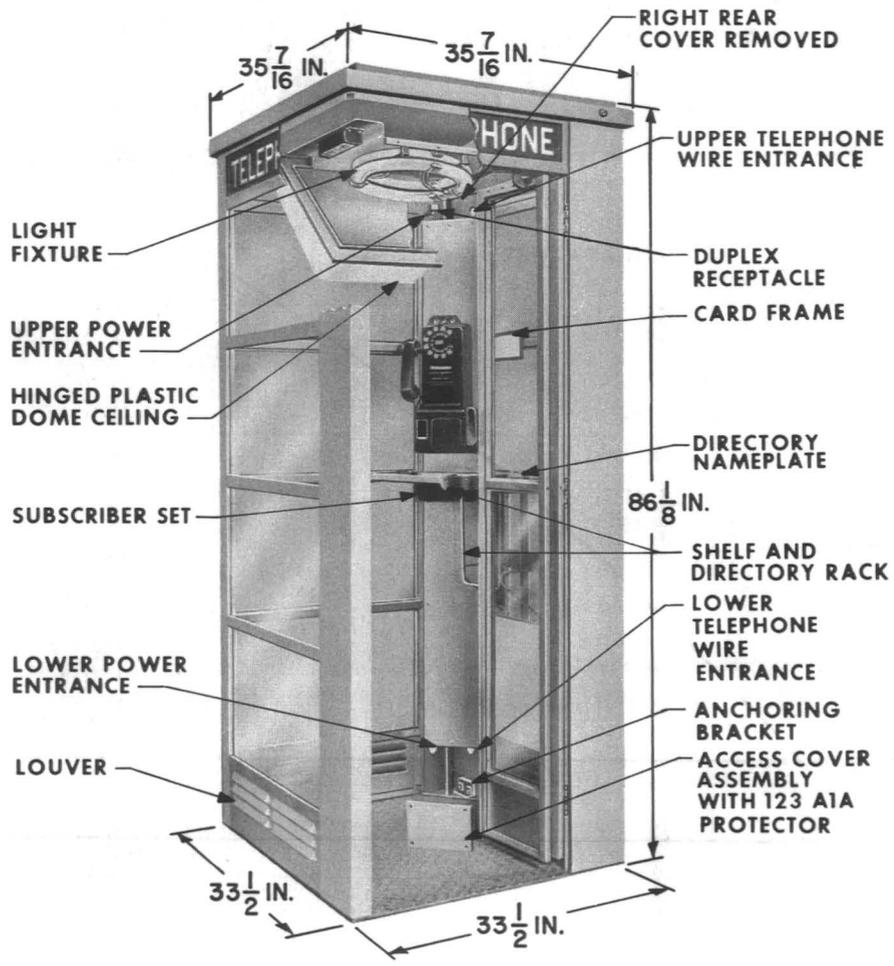


Fig. 5 — KS-14611 Booth Showing Individual Features

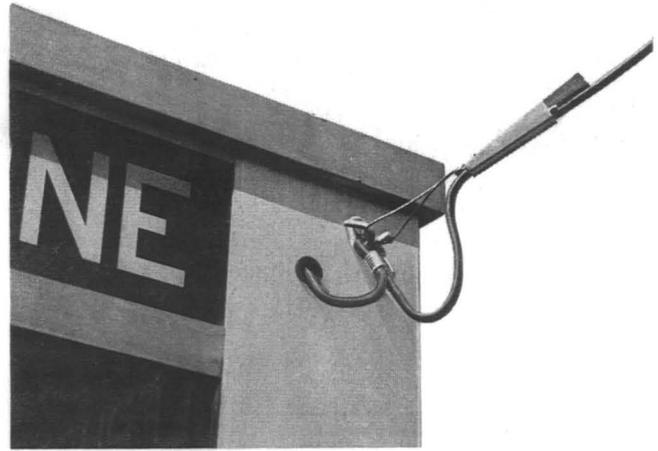


Fig. 6 — Drop Wire Hook for First Attachment

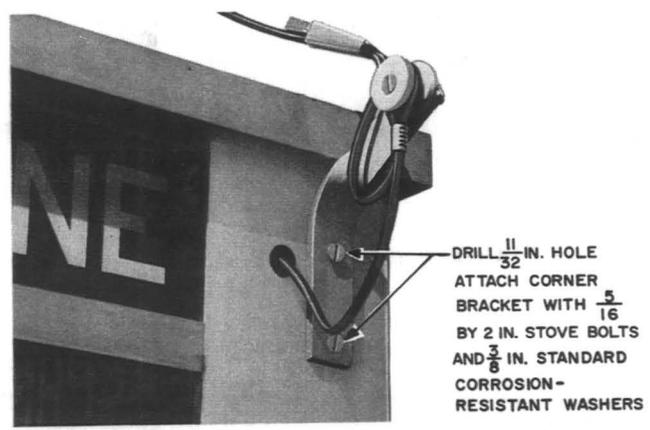


Fig. 7 — Corner Bracket as First Attachment

3.03 Fig. 7 illustrates a corner bracket used as a first attachment. The top access plate must be removed to install corner bracket.

### 3.04 Drop Wire Connection



Access cover assembly is normally fastened in place at the drop wire entrance. However, to avoid corrosive problems in areas subjected to heavy snow or rainfall, mount the access cover assembly at the upper wire entrance.

(1) Remove access cover assembly (Fig. 8).



**KS-14611, List 3 and List 6 booths are equipped with bonding wires at both drop wire entrances. Before proceeding, check that one end is scured to the booth and the other end is terminated on the 123A1A protector.**

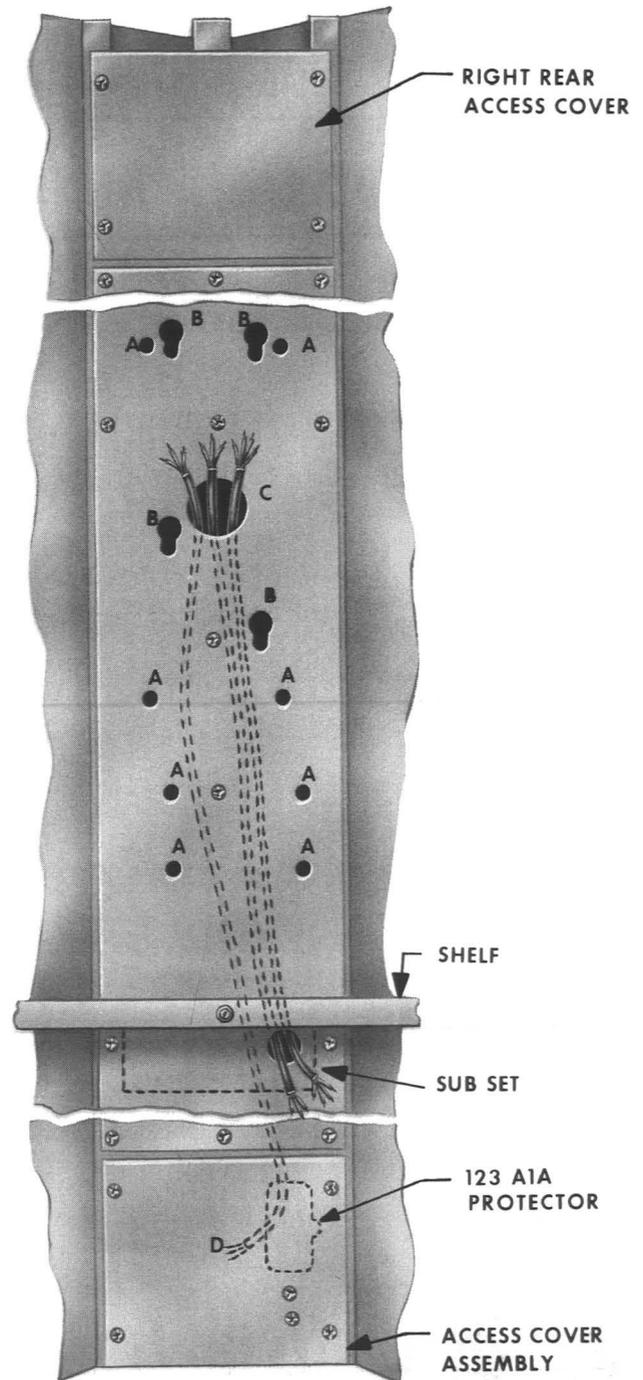
- (2) Store slack of drop wire in rear channel (right side).
- (3) Install last drop wire attachment to access cover assembly.
- (4) Terminate drop wire on 123A1A station protector.

### Coin Station Connections



List 3 and List 6 booths are furnished wired as shown in Fig. 8. Line wire (D) is run to lower wire entrance. If the drop wire enters through upper wire entrance, relocate line wire (D) to upper entrance.

- (5) Complete connections as covered in Plant Series section entitled Coin Collectors, Connections, and the section entitled Subscriber Sets, Connections.
- (6) Replace access cover assembly.



- A — Coin collector mounting holes for screw P-49C296.
- B — Security stud P-10E070 hole.
- C — Wiring furnished with booth.
- D — Line wire.

Fig. 8 — Station Wiring, List 3 and List 6 Booth

**4. STATION PROTECTOR GROUNDING**

**4.01** The station protector for the telephone instrument is provided with its ground post already connected to the booth. No additional grounding for the protector is required except when all three of the following conditions exist:

- Power system is not of the multigrounded neutral type.
- Power ground consists of a driven electrode.
- Less than 10 feet of the conduit associated with the booth is buried in permanently moist soil.

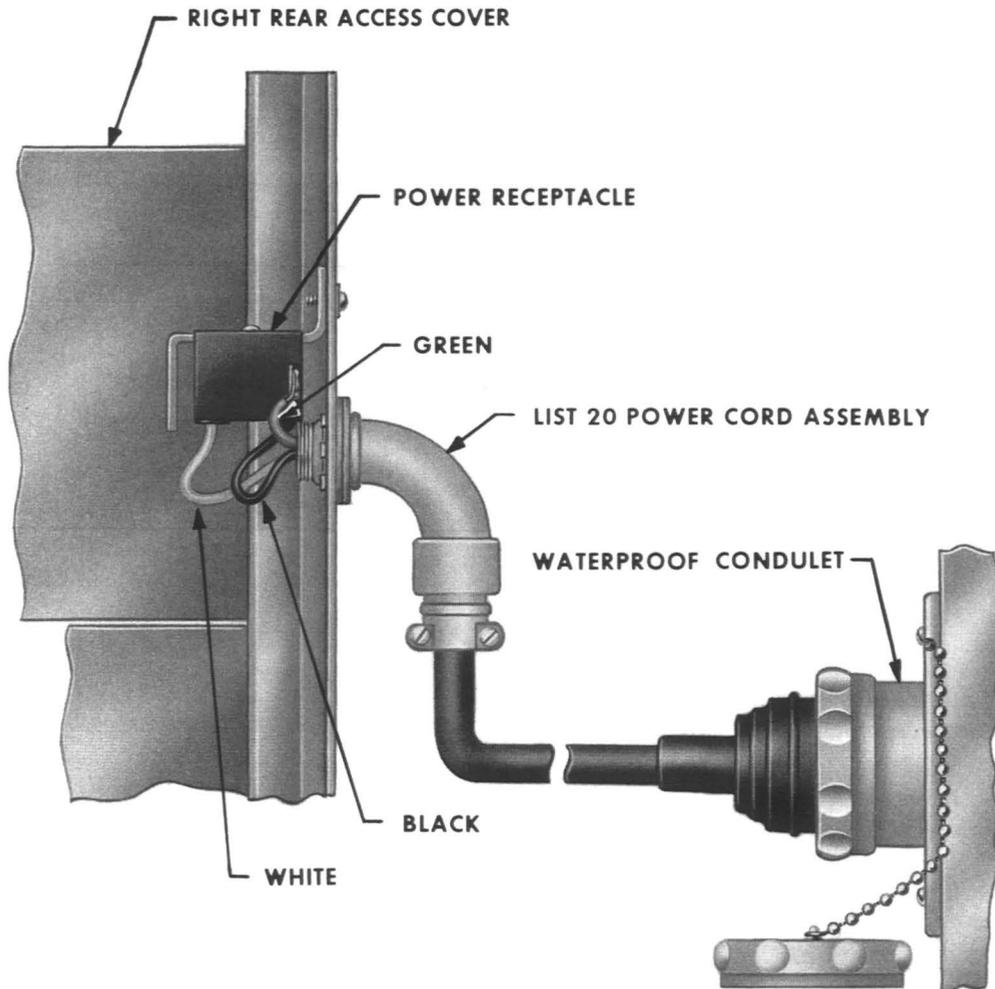
**4.02** Refer to plant series section entitled Protector and Signaling Grounds for detailed information.

**5. ELECTRIC GROUNDING AND WIRING**

**5.01** Electric grounding and wiring of the KS-14611 booth is covered in Section 508-100-100.

**5.02** Power entrance holes are located at the top and bottom of the rear right column (Fig. 5).

**5.03** A KS-14611, List 20 power cord assembly is used when power entrance is made at top of booth (Fig. 9).



**Fig. 9 — List 20 Power Cable and Cord Assembly  
(Power Entrance at Top of Booth)**

5.04 A KS-14611, List 10 cable and cord group is used when power entrance is made at the bottom of booth (Fig. 10).

5.05 List 3 and list 6 booth light fixtures are equipped with two 40-watt circular fluorescent lamps. The light fixture cord plugs into a receptacle provided in the right rear corner post.

5.06 The duplex receptacle B-189783 provided on new booths is interchangeable with the earlier single type.

6. KS-19261 LIGHT CONTROL UNIT

6.01 Installation of the KS-19261 light control units is covered in Section 508-825-100.

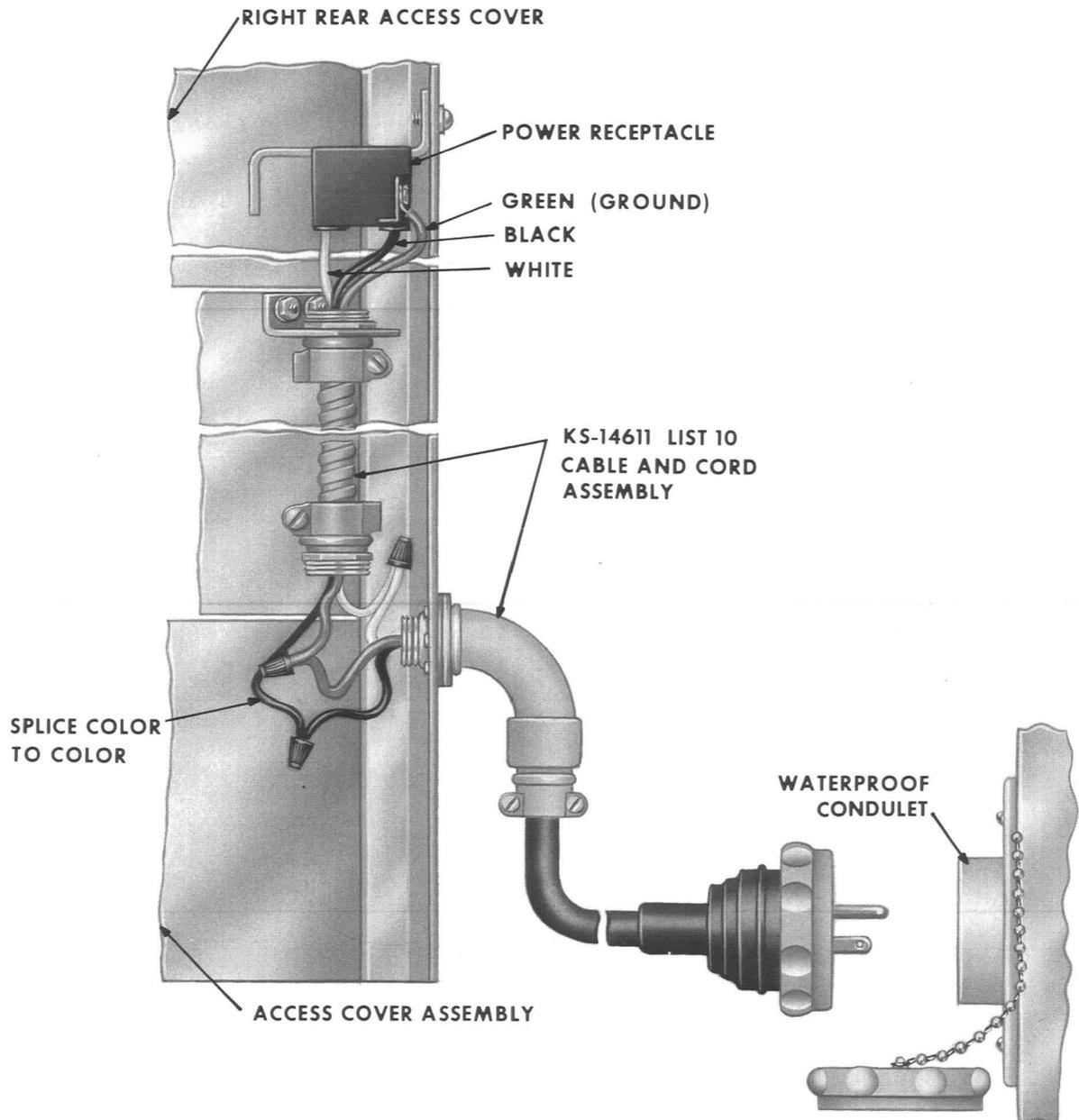


Fig. 10 — KS-14611, List 10 Power Cable and Cord Assembly  
(Power Entrance at Bottom of Booth)

7. DIRECTORY AND SHELF ARRANGEMENTS

7.01 A B-187348 corner shelf is provided on all list 3 and list 6 booths.

7.02 Directory facilities in combination with a writing shelf may also be provided with the booth. These combinations are illustrated in Fig. 11, 12, 13, and 14.

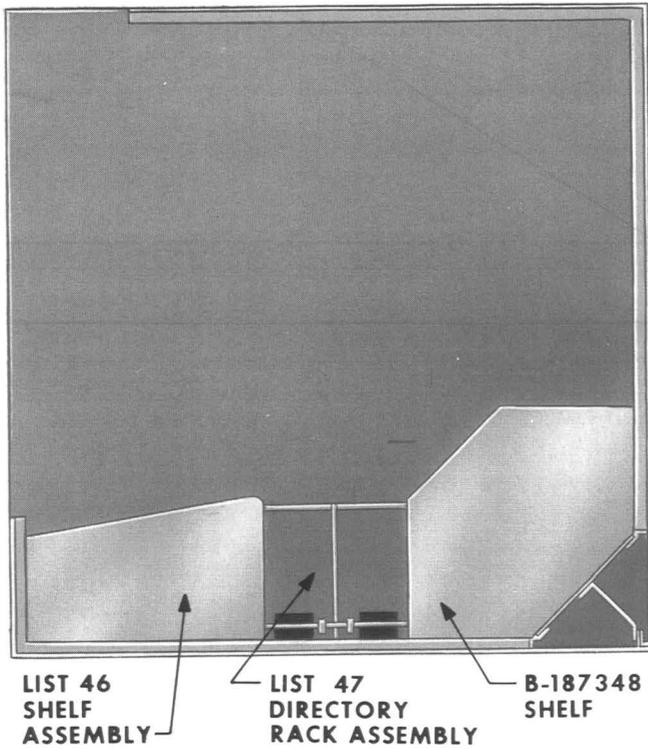


Fig. 11 - Side-Wall Arrangement

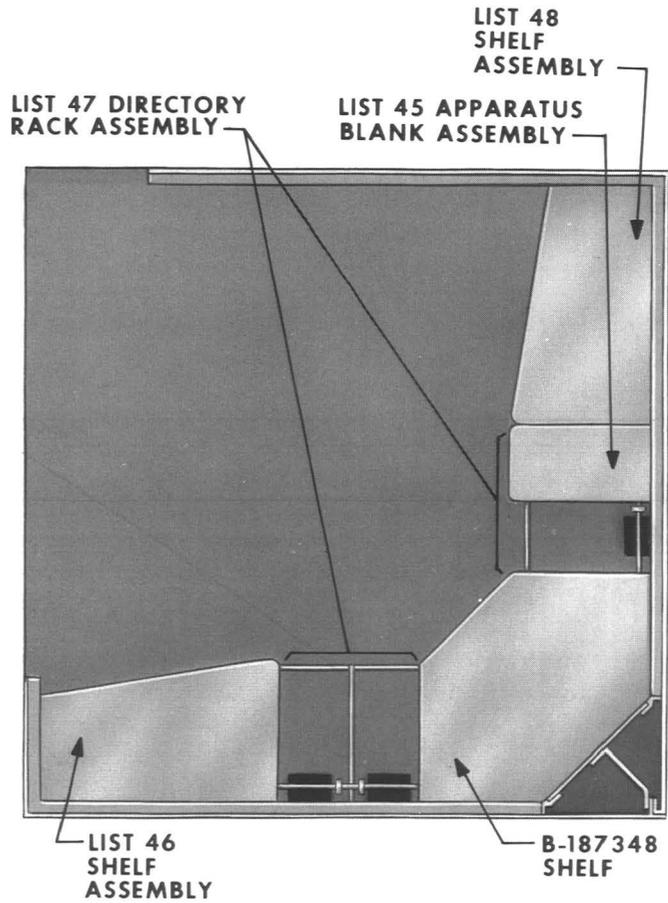


Fig. 12 - Combination Side- and Rear-Wall Arrangement

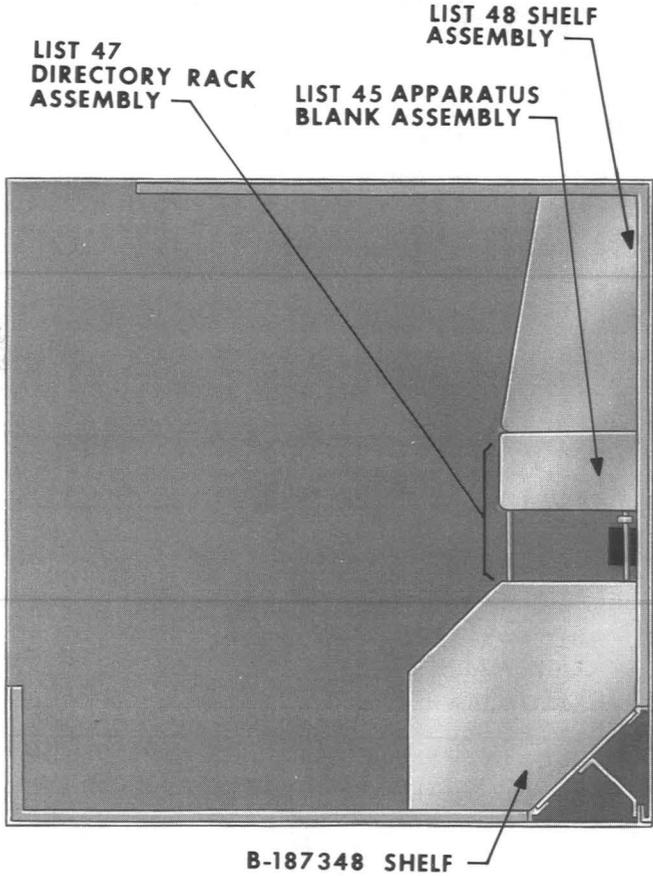


Fig. 13 - Rear-Wall Only Arrangement

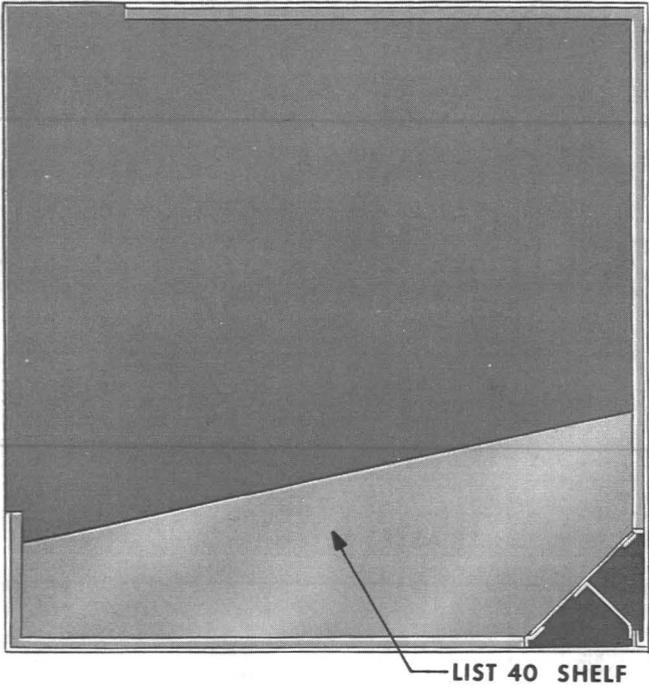
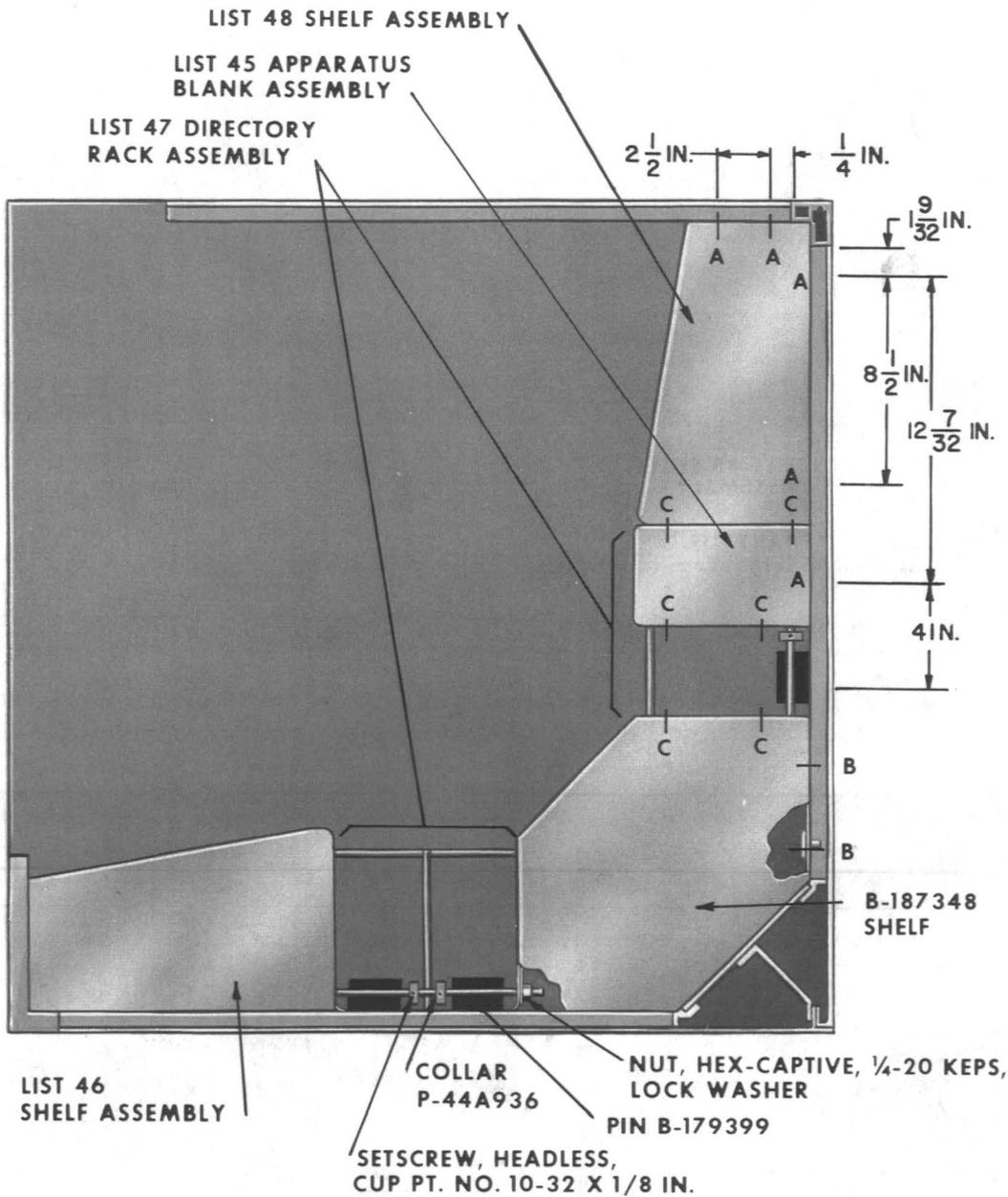


Fig. 14 - Side-Wall Arrangement Using Large List 40 Writing Shelf



A — Drill and tap holes 5/8 inch deep in center of intermediate rail.

B — Existing holes for corner shelf.

Use:

C — Fasten together with:

No. 18 drill.

No. 10-32 by 1/2 inch Phillips FHM screws.

No. 10-32 bottom tap.

Washer, 7/32 by 11/16, 0.063 thick.

No. 10-32 by 5/8 Phillips RHM screw with centering washer under screwhead.

Hex nut, captive lock washer, No. 10-32.

Fig. 15 — Rear Shelf Installation of Earlier Type Booths

**7.03** Mounting holes for optional accessories are provided on the left side or rear intermediate rails.

**7.04** Earlier KS-14611 booths are provided with a side wall arrangement similar to Fig. 11 except that a different shelf was used in place of a B-187348 shelf. The rear intermediate rails are not provided with mounting holes for a rear shelf arrangement. To provide a combination side and rear wall arrangement in these booths, refer to Fig. 15 and proceed as follows:

- (1) Remove corner shelf under coin collector.
- (2) Mark location for drilling new holes on left side and rear as shown.
- (3) Drill and tap holes shown as A in Fig. 15.
- (4) Place new B-187348 corner shelf.
- (5) Fasten new shelves and directory rack to booth with fasteners provided. Apply KS-19094 antiseize compound on screw threads.
- (6) Mark position of bottom holes for directory rack.
- (7) Remove directory rack temporarily; drill and tap bottom holes.
- (8) Replace directory rack and fasten units together.

**7.05** Directory nameplates are installed on top flange at rear of directory compartments. Insert pins of nameplate through opening in rack and bend over tightly.

- List 43 — Insert pins through two outer holes.
- List 44 — Insert one pin in hole and other pin through center slot.

**7.06** The List 47 directory rack is divided into two 3-inch-wide compartments. Various combinations of directory binders can be used. OD-type rack will accommodate the following:

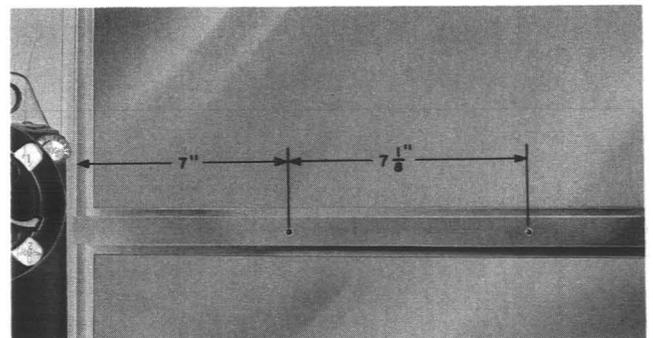
- Two 3-inch directories  
or
- One 3-inch directory and  
Two 1-1/2 inch directories  
or
- Four 1-1/2 inch directories

*Note:* If only one directory rack compartment is used, an apparatus blank, KS-14611, List 45, is installed to extend the shelf surface over the unused compartment.

**7.07** Identification and installation of OD-type binders are covered in Section 508-710-101.

## 8. KS-14611 CARD FRAME INSTALLATION

**8.01** Booths are provided with mounting holes for card frames. Earlier KS-14611 booths do not have these holes. To install card frames in these booths, proceed as follows: drill and tap intermediate side rail as shown in Fig. 16 to receive two No. 10-32 by 1/2 inch FHM screws (Phillips) furnished with card frame.

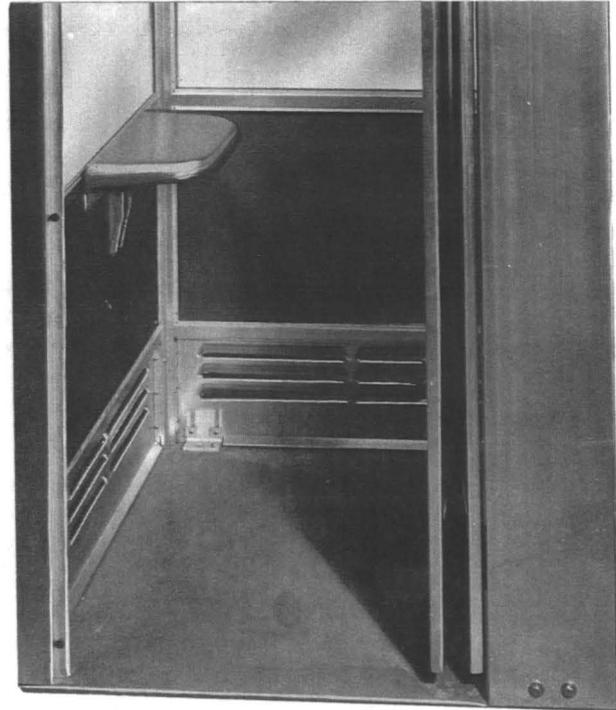


**Fig. 16 — Location of Card Frame Holes**

**9. HIGH POSITION SEAT (See Fig. 18)**

**9.01** A KS-16797, List 19 mounting plate must be assembled in the bottom left side panel opening to accommodate the assembly of the KS-16797, List 16 seat. To install the List 19 mounting plate and the List 16 seat proceed as follows:

- (1) Assemble the mounting plate in the same manner as a standard side panel. Side panel installation is covered in Section 508-352-300.
- (2) Assemble a B-192273 clip in each of the four corners of the mounting plate within the booth with a No. 8-32 by 3/8 inch SEMS RHMS.
- (3) Assemble the seat to the upper portion of the panel with four 1/4 inch — 20 by 1-1/8 inch carriage bolts, four B-192272 spacers, the seat, two 1/4 inch plain washers for the top two screws only, four 1/4 inch spring lock washers, and four 1/4 inch cap nuts in that order. Locate the screw heads on the outside of the booth and the nuts on the inside of the booth.



**Fig. 17 — KS-16797, List 16 Seat with  
KS-16797, List 19 Panel**