

## KS-19425 BOOTH (INDOOR-OUTDOOR)

### INSTALLATION

#### 1. GENERAL

1.01 Some items in this section are listed as KS-19580 numbers because they are common to KS-19425 and KS-19580 booths.

1.02 The overall dimensions of the booth (Fig. 1) are:

- Height — 83-1/8 inches (without rain bead)
- Width — 28-3/4 inches
- Depth — 28-3/4 inches (front sign projects 1-1/2 inches beyond this dimension)

#### 2. INSTALLATION OF BASIC BOOTH

2.01 Booth location should be:

- Within full view of public
- Readily accessible to customer
- Free of such hazards as broken or uneven pavements and flooring
- Spaced with a minimum clearance of 6 inches from property lines and buildings
- Placed with as little step up as possible (maximum of 3 inches) but still maintaining proper drainage.
- Protected by bumper guards (outdoor only)

2.02 The KS-19425 booth requires anchoring at all outdoor installations. Anchoring at indoor locations is desired; however, this may not be possible in some instances.

#### INSTALLATION OF FOUNDATION TEMPLATE

2.03 When necessary to provide a concrete base, a KS-19425, List 10 foundation template is used (Section 508-232-100). Install the template as follows:

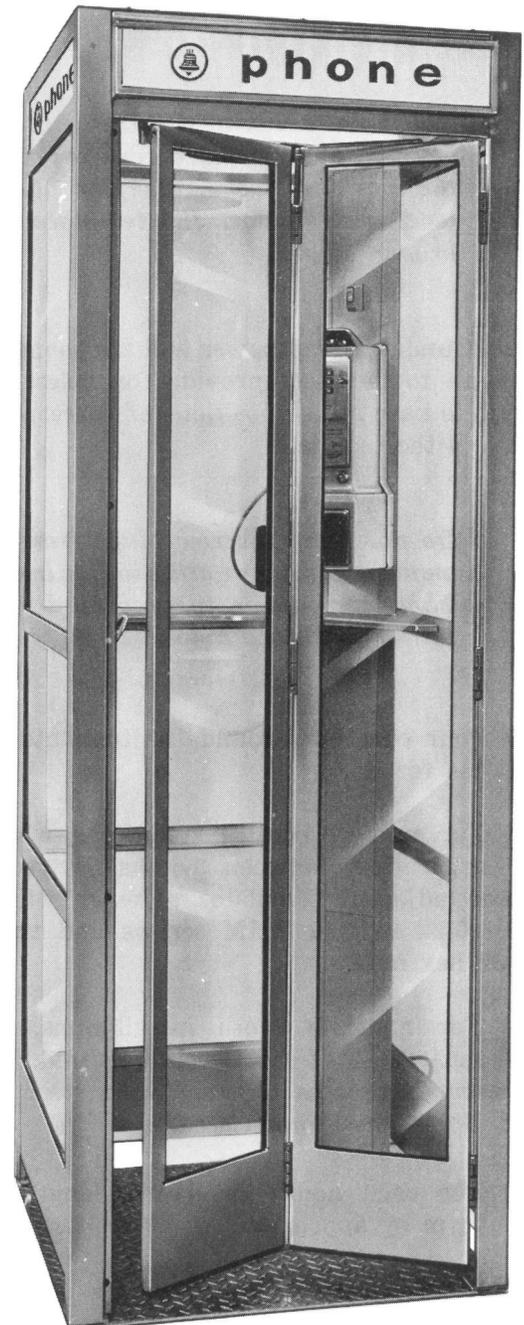


Fig. 1 — KS-19425 Booth (Indoor-Outdoor)

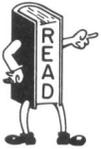
## SECTION 508-232-200

- (a) Prepare a form 40 inches square with an inside depth of 10 inches (Fig. 2).
- (b) Tamp six inches of cinders or gravel in the bottom of form.
- (c) Position the template in the form on wooden blocks so that the top of four mounting inserts will be flush with concrete base as shown in Fig. 2.



*Nail holes are provided in the four corners of the template for fastening to the wooden blocks. Use the blocks to level and support the template at the proper height.*

- (d) If underground power and telephone wires are to be used, provide for holes in the concrete base at the positions of corresponding holes in the template.



*Do not remove screw plugs from booth mounting inserts until booth is installed. Their purpose is to prevent dirt from filling mounting holes.*

- (e) Pour concrete around the template to fill the form.
- (f) For multiple booth installations, where no separation between booths is required, fasten adjacent templates together with two No. 10-32 by 1/2 RHM screws and two No. 10-32 hex nuts.
- (g) For multiple booth installations, where separation of booths is required, fasten adjacent templates together with steel straps and No. 8 sheet metal screws.
- (h) For each additional booth, lengthen the form by approximately 29 inches.

### 2.04 Secure booth as follows:

- (a) If a KS-19425, List 10 foundation template is used, remove insert plugs from template and secure leveling insert assemblies (Fig. 3)

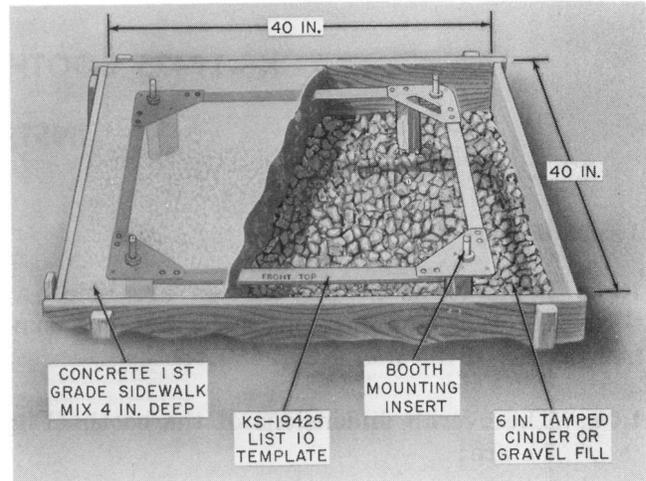


Fig. 2 — Concrete Base Preparation With KS-19425, List 10 Template

of booth to template using four 3/8-16 by 1-1/4 hex head bolts, four 3/8 lockwashers and four 3/8-inch flatwashers.

- (b) If a KS-19425, List 10 foundation template is not used, and the booth is to be mounted on concrete, perform the following operations.

- (1) Mark the locations for four mounting holes.
- (2) Drill the four holes to accept masonry fasteners for 3/8-16 by 1-1/4 bolts.
- (3) Install the masonry fasteners. See section on masonry fasteners.
- (4) Secure leveling insert assemblies of booth to masonry fasteners using four 3/8-16 by 1-1/4 hex head bolts, four 3/8-inch lockwashers, and four 3/8-inch flatwashers.

- (c) If booth is to be mounted on a wooden floor, perform the following operations:

- (1) Mark the location for four mounting holes.
- (2) Drill four lead holes to accommodate 5/16 by 2-1/2 inch lag screws.
- (3) Secure booth to floor using four 5/16 by 2-1/2 inch lag screws, four 5/16-inch lockwashers, and four 5/16-inch flatwashers.

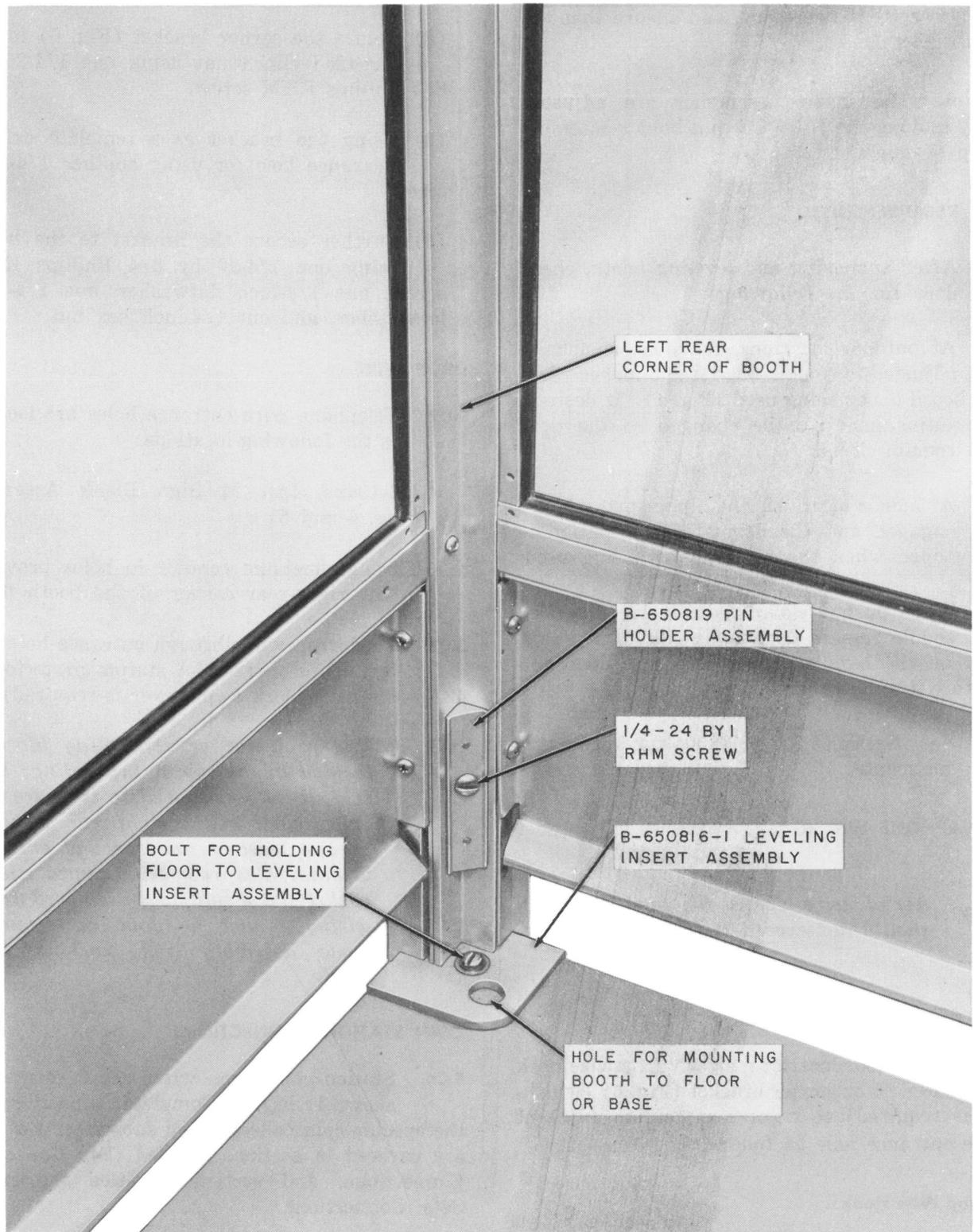


Fig. 3 — Leveling Insert Assembly

## SECTION 508-232-200

- (d) Adjust the leveling insert assemblies (Fig. 3) if necessary, and ensure that the booth is level.

**Note:** The insert assemblies are adjusted by moving the B-650819 pin holder assembly up or down.

### DOOR REQUIREMENTS

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

(a) At outdoor locations, the door is usually adjusted to remain open 2 to 3 inches when the booth is not being used (Fig. 1). If desired, this adjustment can be changed so the door will remain closed.

(b) At indoor locations, the hinge spring is not engaged and the normal door position is fully open when the booth is not being used.

(c) When pushed closed from inside, the door should remain completely closed. A slight pull on the handle should open the door and restore it to its normal open position.

(d) See Section 508-232-300 for door adjustments.

### 3. TELEPHONE WIRING



*Aerial wire spans fastened to booth should not exceed 25 feet.*

#### FIRST ATTACHMENT

- 3.01 At outdoor locations, attach drop wire hook (Fig. 4) or corner bracket (Fig. 5) (whichever is required) to right rear column adjacent to the entrance hole as follows:

#### A. Drop Wire Hook

- (1) Secure drop wire hook (Fig. 4) to clinch nut (provided with booth) using one 1/4-20 by 3/4 FHM screw, one 1/4-inch flatwasher and one 1/4-inch lockwasher.

#### B. Corner Bracket

- (2) Secure the corner bracket (Fig. 5) to the threaded clinch nut using one 1/4-20 by 3/4 Phillips RHM screw.

- (2) Using the bracket as a template drill a clearance hole for using another 1/4-inch screw.

- (3) Further secure the bracket to the booth using one 1/4-20 by 3/4 Phillips RHM screw, one 1/4-inch flatwasher, one 1/4-inch lockwasher, and one 1/4-inch hex nut.

### DROP WIRE

- 3.02 Telephone wire entrance holes are located in the following locations:

- KS-19425, List 21 Sign Blank Assembly (Fig. 4 and 5)
- Through metallic conduit to holes provided in the right-rear corner of the booth floor.

- 3.03 Feed drop wire through entrance hole and terminate on 123A1A station protector or 42A connecting block (whichever is required).



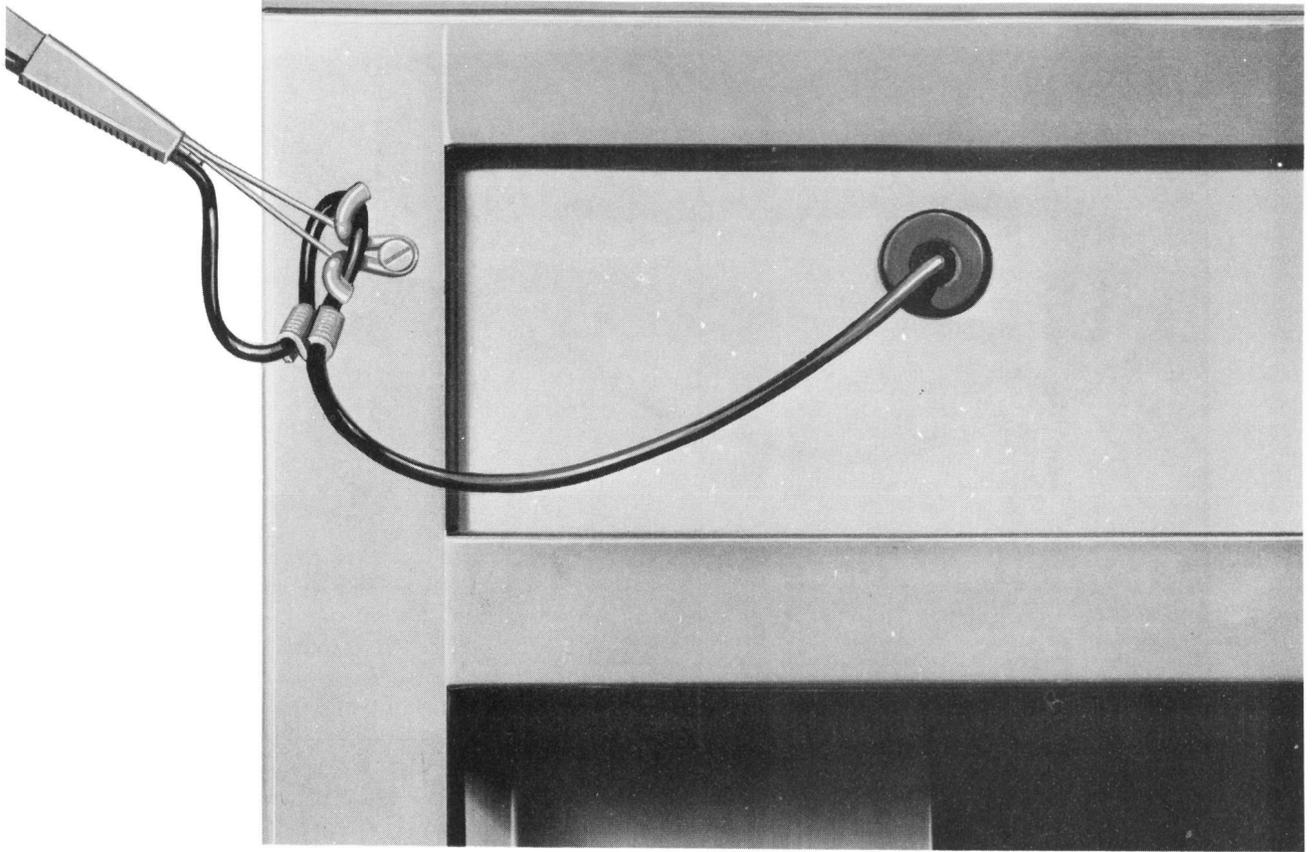
*The protector or connecting block is located in the top of the ceiling; however, it may be moved to the wire way below shelf in the right-rear corner if ground level or underground entrance is used. The roof is equipped with a gasket and should not be removed unless wiring cannot be done by removing dome assembly and working from inside.*

### COIN STATION CONNECTIONS

- 3.04 Station connection wires are furnished as shown in Fig. 6. Complete connections for the specific coin collector and subscriber set used are covered in sections entitled Coin Collectors, Connections, and sections entitled Subscriber Sets, Connections.

### 4. ELECTRICAL WIRING AND GROUNDING

- 4.01 Electrical grounding of the booth is covered in Section 508-100-100.



**Fig. 4 — Drop Wire Hook For First Attachment**

#### **WIRING**

**4.02** Power wire entrance holes are located in the following locations:

- KS-19425, List 21 Sign Blank Assembly
- Through metallic conduit to holes provided in the right-rear corner of the booth floor.

**4.03** A duplex receptacle for electrical wiring is located in the ceiling area. Avoid removing roof if possible.

**4.04** Bring overhead power into an indoor booth using a KS-19425, List 22 cable assembly. Bring overhead power into an outdoor booth using a KS-19580, List 30 cable assembly. Bring ground level power into an outdoor booth using a KS-19580, List 31 cable and cord group. Refer to Section 508-232-100 for illustration of the three cables.

**4.05** Interconnect power between adjacent booths in multiple installations using approved No. 14 gauge wire. Local electrical codes will determine the number of booths that can be interconnected.

#### **GROUNDING**

**4.06** Ensure that the ground terminal of the station protector is connected to the booth with bonding wire provided. If a bonding wire is not present, use an approved No. 14 gauge wire.

**4.07** In multiple installations, bond the booths together for grounding purposes.

#### **5. KS-19207, LIST 3 LIGHT AND BLOWER UNIT**

**5.01** All KS-19425 booths will be furnished with a KS-19207, List 3 light and blower unit unless otherwise specified. See Section 508-820-100 for additional information including wiring.



Fig. 5 — Corner Bracket For First Attachment

**6. KS-19207, LIST 7 LIGHT FIXTURE**

**6.01** If no ventilation is required a KS-19207, List 7 light fixture may be ordered. See Section 508-820-100 for additional information including wiring.

**7. KS-19261, LIST 1 LIGHT CONTROL UNIT**

**7.01** A KS-19261, List 1 light control unit may be used to switch the KS-19207 light on at darkness and off at daylight. Install this unit in accordance with Section 508-825-100.



*One KS-19261 light control unit may be used to control the lights in multiple installations of five or less booths.*

**8. DIRECTORY RACK AND SHELF ARRANGEMENTS**

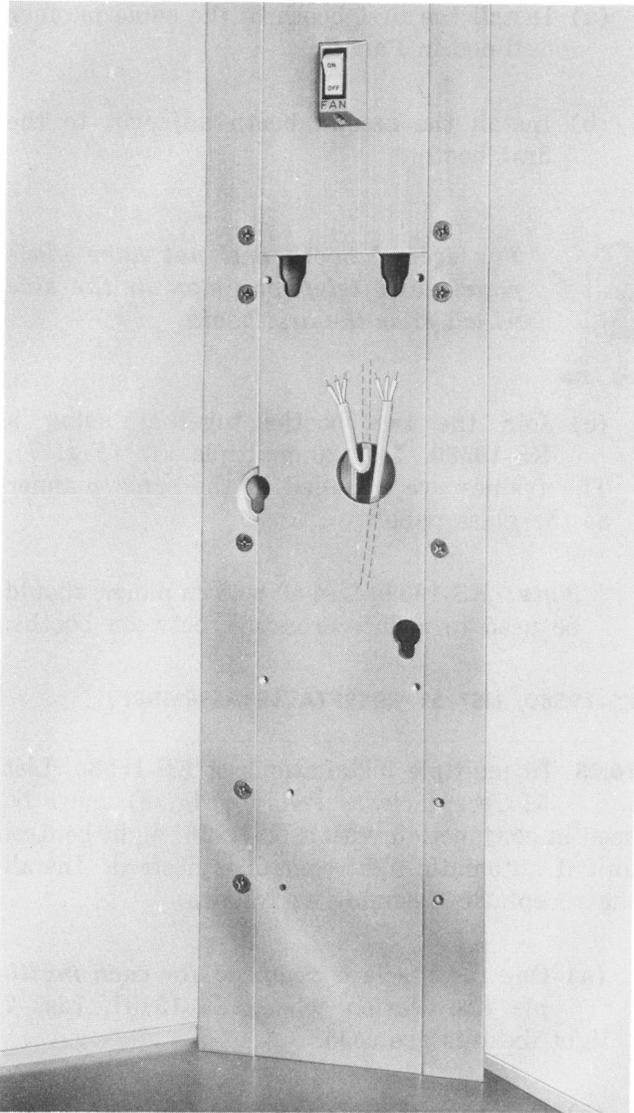
**8.01** There are two shelf assemblies, a directory rack, and a directory shelf available for the booth. Install, when required, as follows: Refer to Section 508-232-100 for illustrations.



*Use KS-19094 antiseize compound on all screws threaded into aluminum.*

(a) KS-19425, List 16. Directory Rack and KS-19425, List 18 Shelf Assembly.

(1) The List 16 directory rack accommodates one 3-inch binder in the left-rear corner of the booth. The List 18 shelf assembly fastens to the directory rack and extends



**Fig. 6 — Station Wiring**

across the back of the booth and under the coin telephone.

- (2) Secure the directory rack to the cross rails in the left-rear corner using two No. 10-32 by 1/2 Phillips FHM screws and two No. 10 CSK lockwashers.
- (3) Secure the shelf assembly to the bottom of the backboard and to the cross rails using five No. 10-32 by 1/2 RHM screws.
- (4) Secure the shelf assembly to the directory rack using the screw furnished with the directory rack.

**(b) KS-19425, List 19 Shelf Assembly**

- (1) The List 19 shelf assembly spans the rear wall and can be used if an inside directory rack is not required.
- (2) Secure the shelf assembly to the backboard using two No. 10-32 by 1/2 RHM screws.
- (3) Secure the shelf assembly to the cross rails using five No. 10-32 by 1/2 RHM screws.

**(c) KS-19425, List 13 Directory Shelf**

- (1) The List 13 directory shelf is available for indoor use to be externally mounted on the booth.



*A KS-19425, List 14 mounting plate must be used in conjunction with the directory shelf.*

- (2) Install KS-19425, List 14 mounting plate in the same manner as a standard glass panel in the bottom position on the right side of the booth. Install the plate with shelf mounting holes toward top.
- (3) Secure the directory shelf to the mounting plate using seven No. 10-24 by 9/16 carriage bolts and seven No. 19-24 stop nuts.



*Install the bolts with the heads on inside of booth.*

**9. SEAT ASSEMBLY**

- 9.01** This booth is designed primarily for stand up service; however, a KS-19425, List 11 seat assembly can be used if desired. Refer to Section 508-232-100 for illustration.
- 9.02** A KS-19425, List 12 mounting plate must be used for mounting the seat.
- 9.03** Install KS-19425, List 12 mounting plate as follows:

## SECTION 508-232-200

- (a) Install the mounting plate in the same manner as a standard glass panel in the bottom position on the left side of the booth.
- (b) Install a B-650894 clip (furnished with seat assembly) on each corner of the List 12 mounting plate using four No. 8-32 by 3/8 SEMS RHM screws.



*Install the clips on the inside of the booth. Their purpose is to prevent the removal of retaining strips.*

**9.04** Install the seat assembly to the upper portion of the mounting plate using the following items (furnished with seat assembly). Install items in the sequence listed.

- Four 1/4-20 by 1-1/8 carriage bolts (install with heads on outside of booth)
- Four B-650893 spacers
- Seat assembly
- Two 1/4-inch flatwashers (front and rear bolts)
- Four 1/4-inch lockwashers
- Four 1/4-20 cap nuts

**9.05** Tighten all nuts securely.

### 10. MULTIPLE INSTALLATIONS

**10.01** This booth is designed so that two or more booths can be installed side-by-side or back-to-back with only one thickness of panels between booths.

**10.02** Perform the following operations for installing multiple booths:

- (a) Install the first booth in the same manner outlined in Part 2.
- (b) Install the second booth adjacent to the first booth.



*The second booth will not have glass panels and telephone sign in the side which joins the first booth.*

- (c) Join the two booths together using a KS-19580, List 20 multiple kit (Fig. 7). The frames are installed in the same manner as the glass panels.

**Note:** KS-19580 List 40 bottom panels should be used to reduce crosstalk between booths.

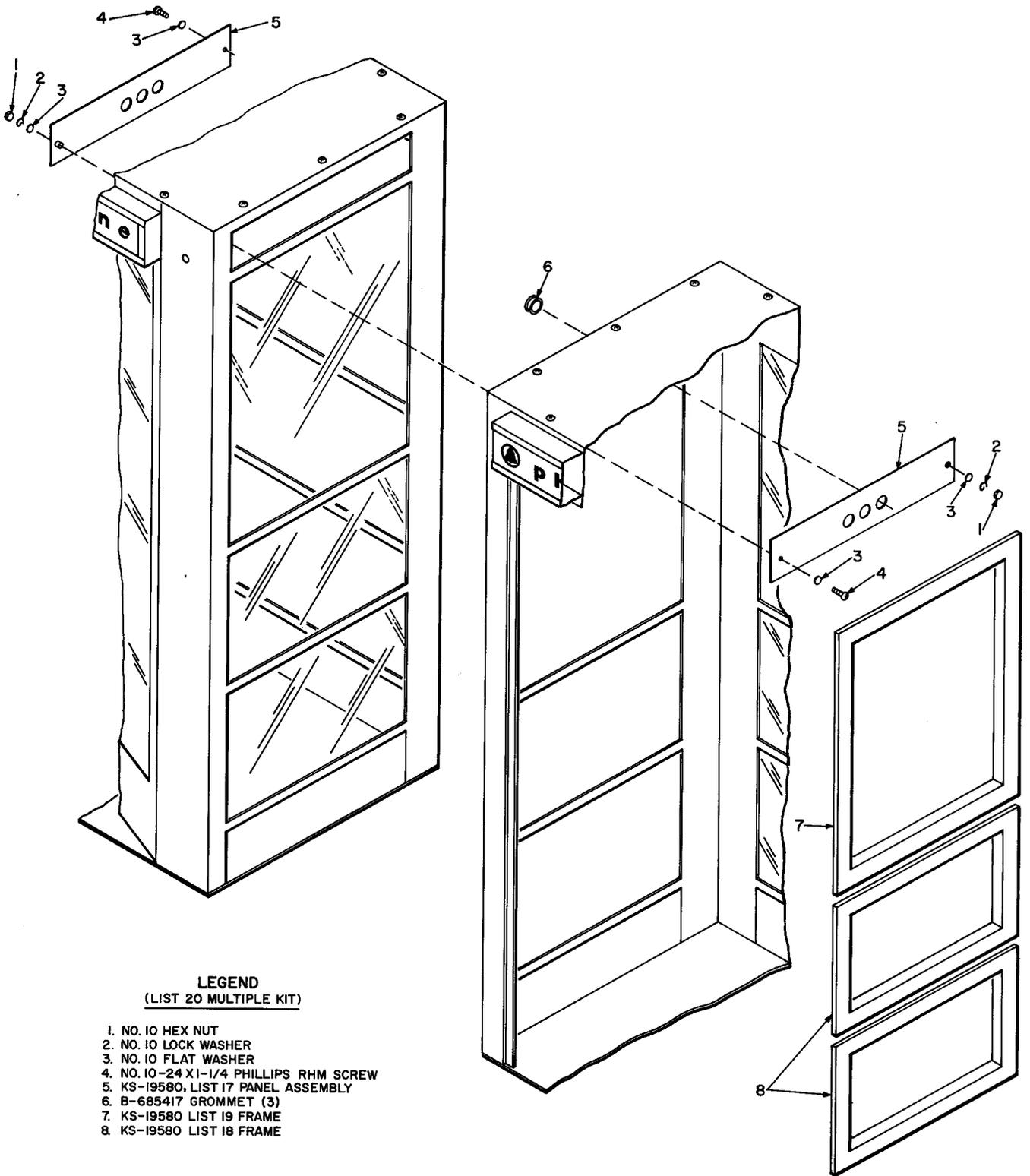
### KS-19580, LIST 51 RECEPTACLE ASSEMBLY

**10.03** In multiple installations, a KS-19580, List 51 receptacle assembly (Fig. 8) must be used in conjunction with a KS-19261 light control unit if automatic light control is desired. Install the receptacle assembly as follows:

- (a) One receptacle is required for *each multiple installation* where KS-19207, List 7 light fixtures are used.
- (b) One receptacle is required for *each booth* in a multiple installation where KS-19207, List 3 light and blower units are used.

**10.04** Install List 51 receptacle assembly on the mounting plate provided on the cross brace above the ceiling (Fig. 9).

**10.05** Refer to Fig. 10 and 11 for wiring arrangements of multiple installations.



**LEGEND**  
(LIST 20 MULTIPLE KIT)

- 1. NO. 10 HEX NUT
- 2. NO. 10 LOCK WASHER
- 3. NO. 10 FLAT WASHER
- 4. NO. 10-24 X 1-1/4 PHILLIPS RHM SCREW
- 5. KS-19580, LIST 17 PANEL ASSEMBLY
- 6. B-685417 GROMMET (3)
- 7. KS-19580 LIST 19 FRAME
- 8. KS-19580 LIST 18 FRAME

**Fig. 7 — KS-19580, List 20 Multiple Kit**



**Fig. 8 — KS-19580, List 51 Receptable Assembly**

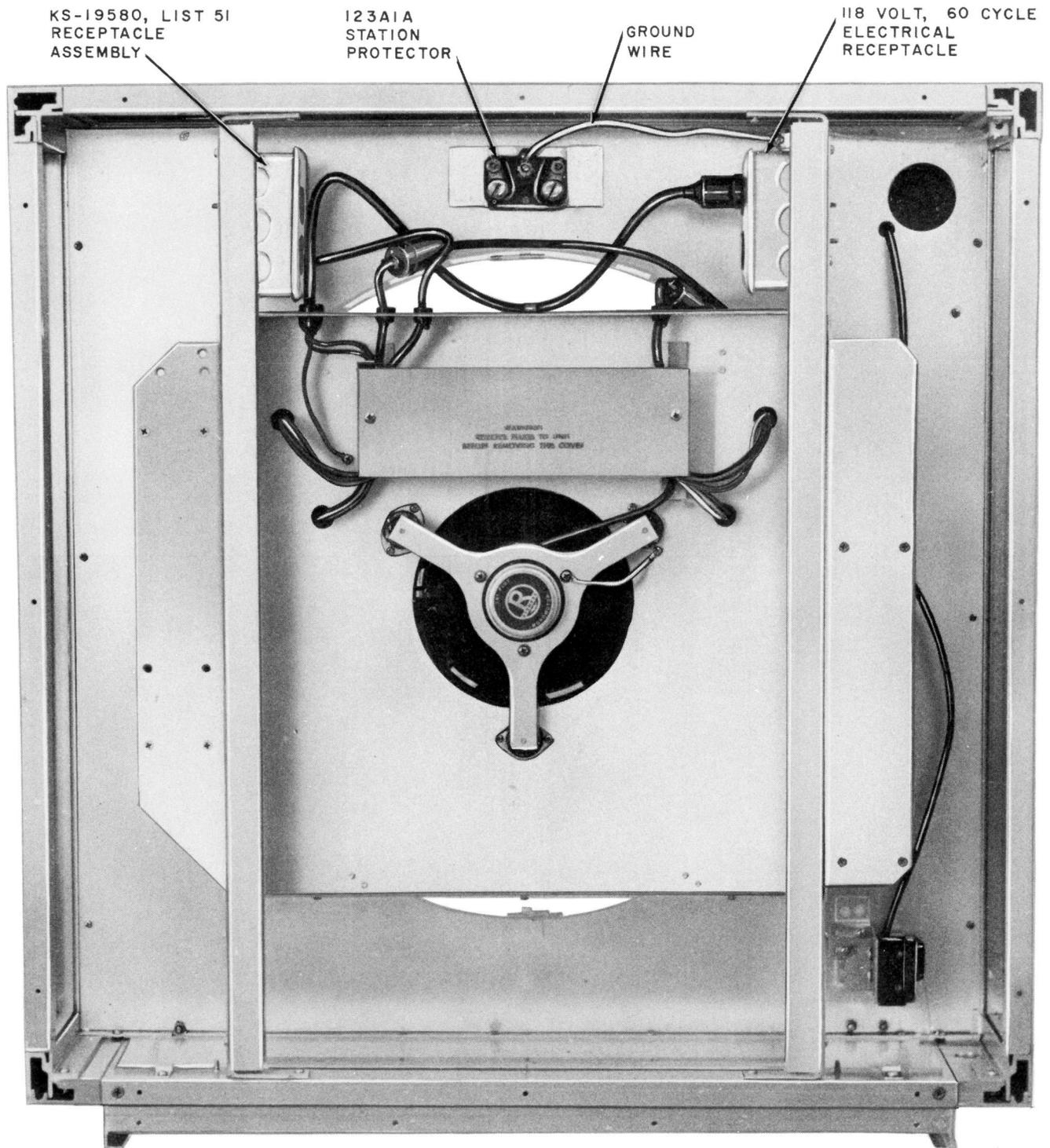


Fig. 9 — KS-19425 Booth Ceiling Area

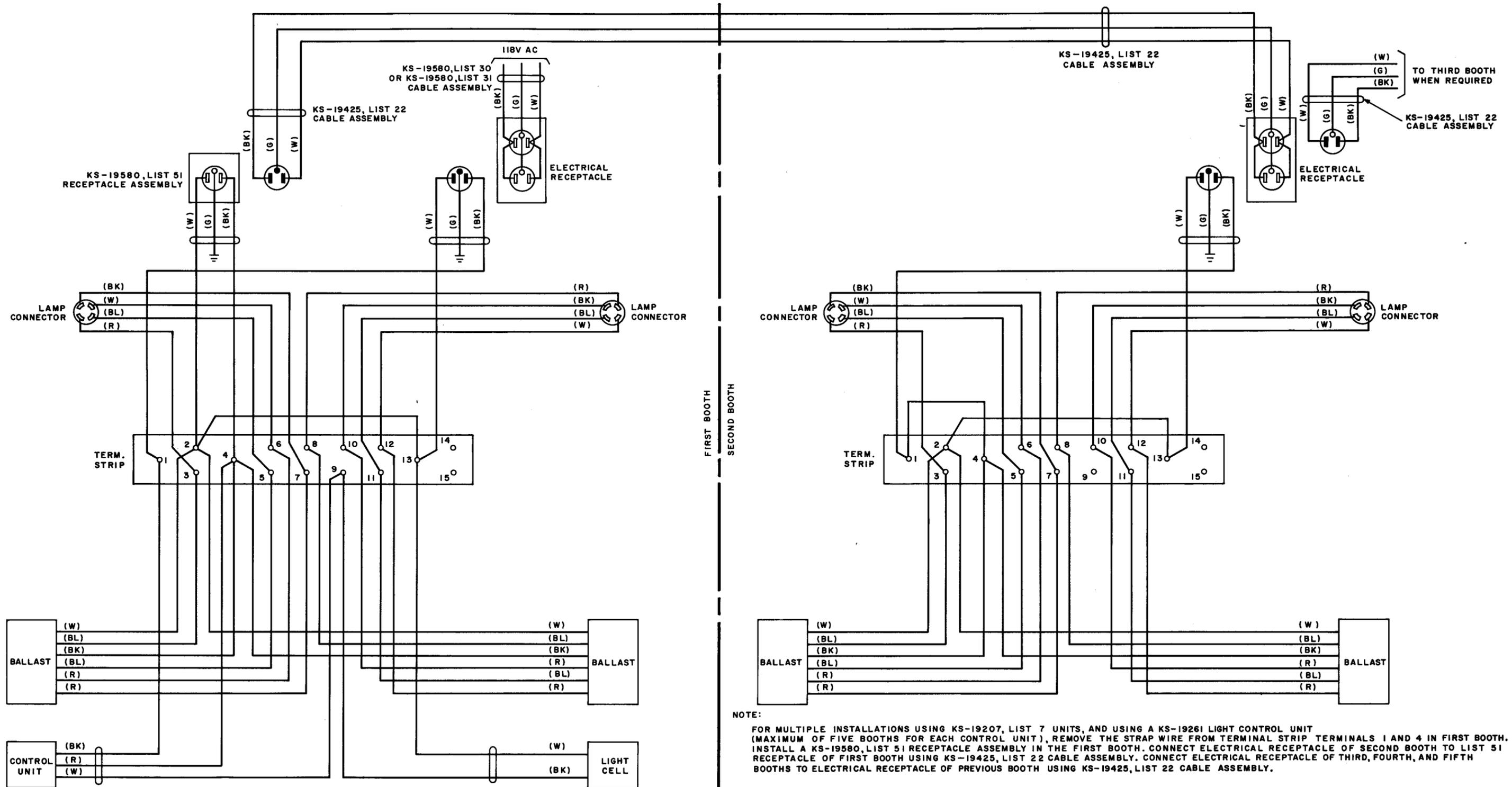


Fig. 10 — Wiring Diagram of Multiple Installation Using KS-19207, List 7 Light Unit

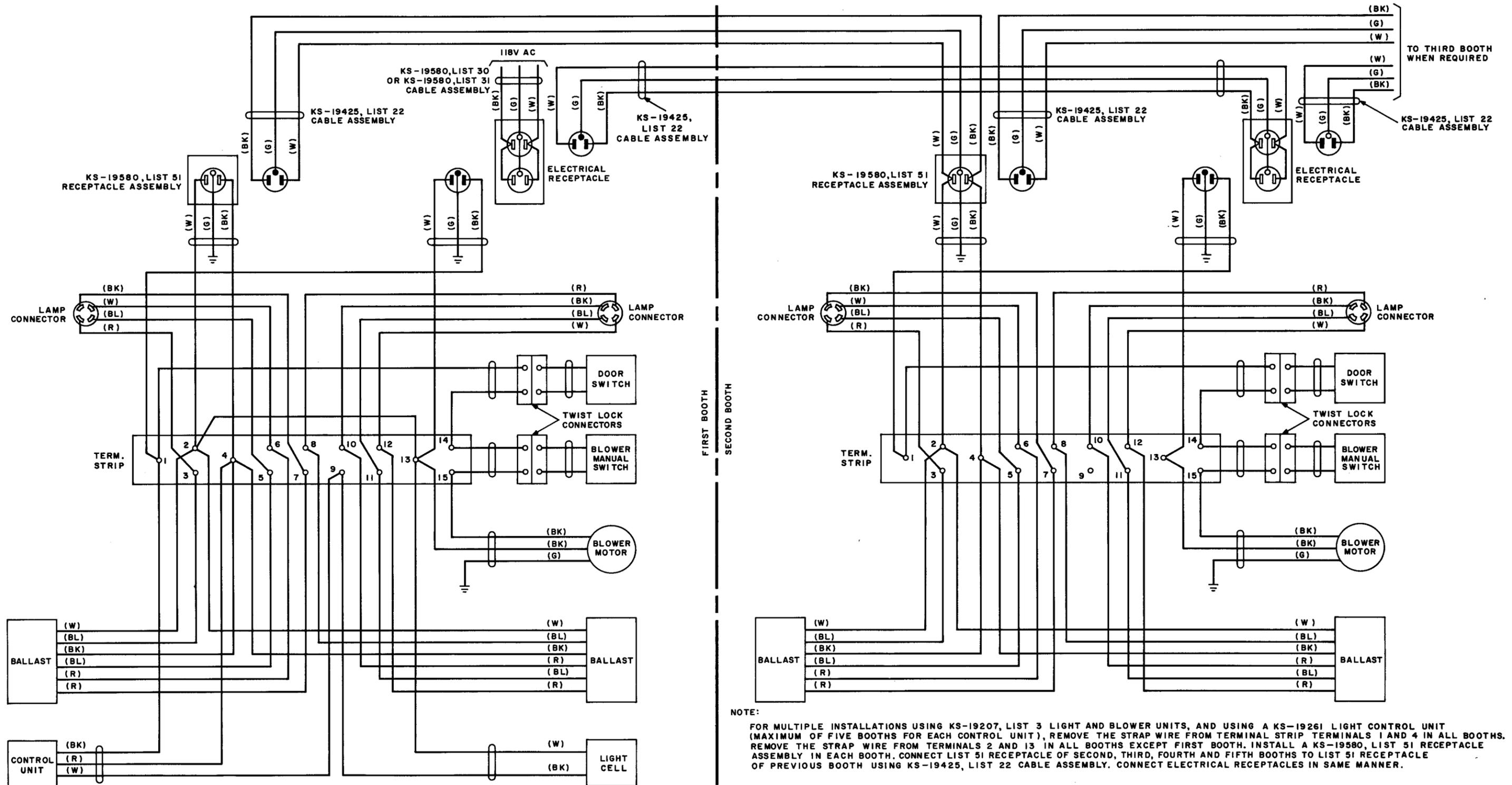


Fig. 11 — Wiring Diagram of Multiple Installation Using KS-19207, List 3 Light and Blower Unit