

## INSTALLATION

### 2. INSTALLATION OF BASIC BOOTH

#### 2.01 Booth location should be:

- 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.

#### 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) 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.

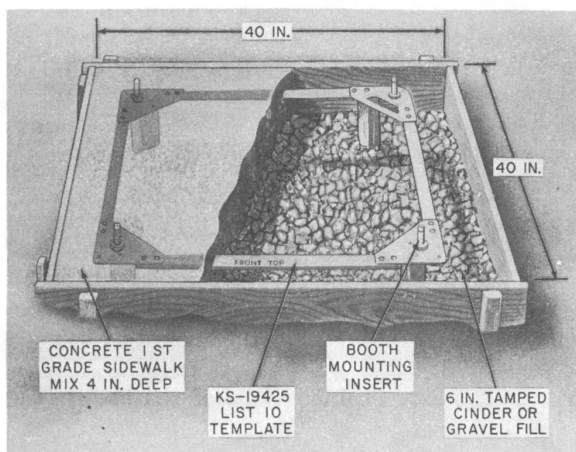


Fig. 2 — Concrete Base Preparation With KS-19425, List 10 Template

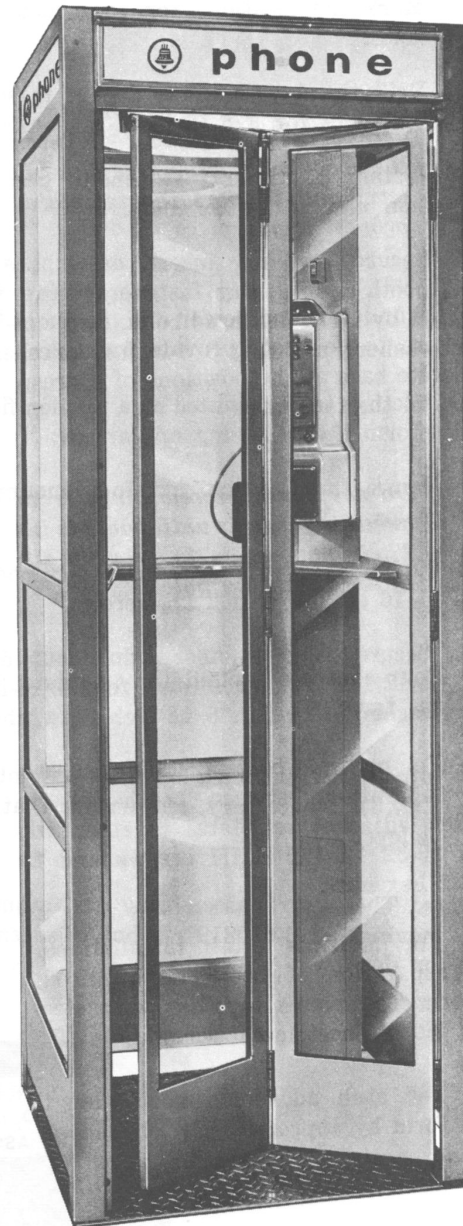


Fig. 1 — KS-19425 Booth (Indoor-Outdoor)

(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.
- (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.

### 3. INSTALLATION

- Spaced with a minimum clearance of 6 inches from property lines and buildings
- Placed with as little step-up as possible and still maintaining proper drainage

3.02 The KS-14611 booth requires anchoring at all installations.

### DOOR REQUIREMENTS

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

- (a) Door remains open 2 to 3 inches when it is at normal position.
- (d) See Section 508-352-300 for door adjustment.

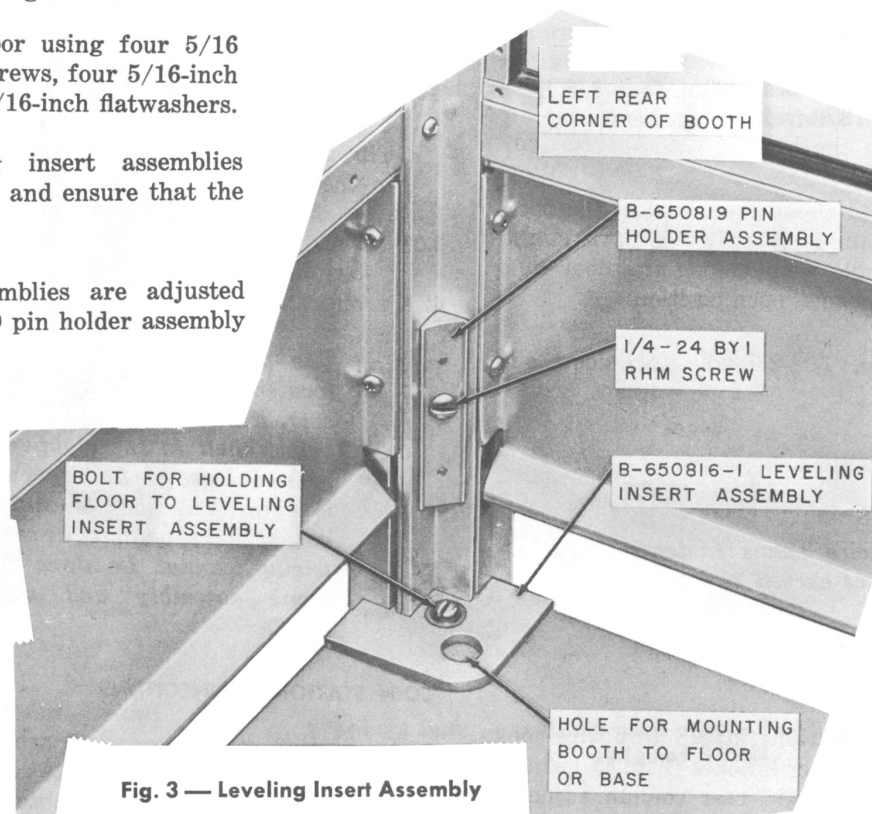


Fig. 3 — Leveling Insert Assembly

## TELEPHONE WIRING



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

## First Attachment

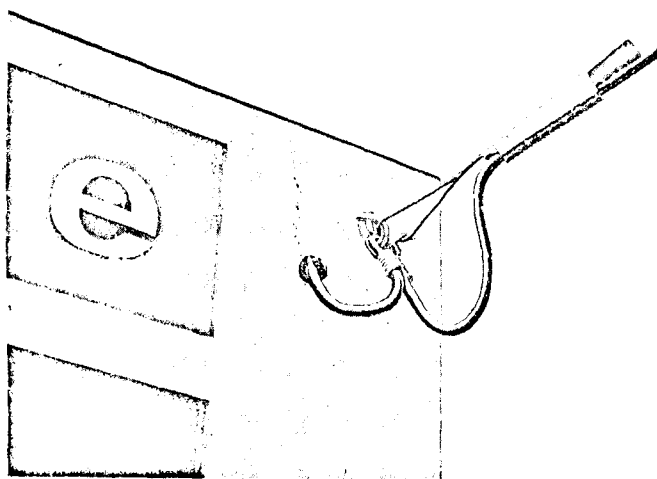
**3.06** Attach drop wire hook (Fig. 4) or corner bracket (Fig. 5) (whichever is required) on right rear column adjacent to the entrance hole as follows:

## A. Drop Wire Hook

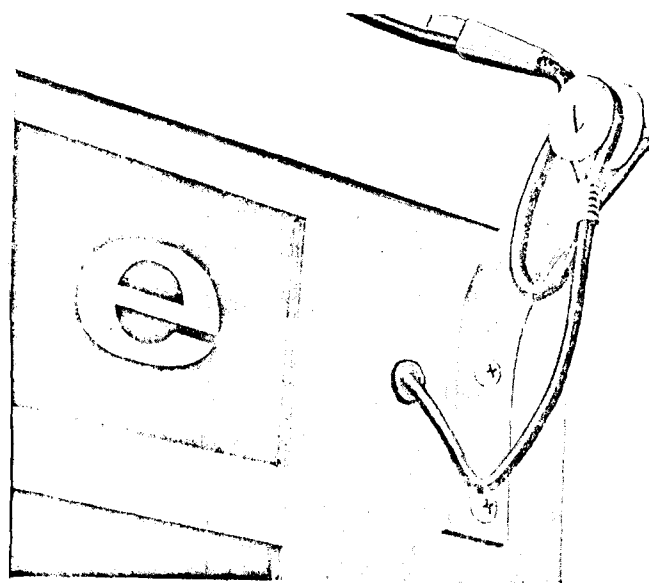
- (1) Secure drop wire hook to clinch nut (provided with booth) using one 1/4-20 by 3/4 FHM screw, one 1/4-inch flatwasher and one 1/4-inch lockwasher.

## B. Corner Bracket

- (1) Secure the corner bracket 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 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.



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



**Fig. 5** —Corner Bracket for First Attachment

## Drop Wire

**3.07** Telephone wire entrance holes are located in the following locations.

- Top of right-rear column
- Bottom of right-rear column
- Through metallic conduit to holes provided in the right-rear corner of the booth floor.

**3.08** Feed drop wire through entrance hole and terminate on 123A1A station protector.



*The protector is located in the top of the right-rear corner behind an access cover; however, it may be moved to the bottom of the right-rear corner if ground level or underground entrance is used.*



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

## COIN STATION CONNECTIONS

3.09 Station connection wires are furnished as shown in Fig. 6. Complete connections are covered in sections entitled Coin Collectors, Connections, and sections entitled Subscriber Sets, Connections.

#### ELECTRICAL WIRING AND GROUNDING

3.10 Electrical wiring and grounding of the booth is covered in Section 508-100-100.

#### 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.

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

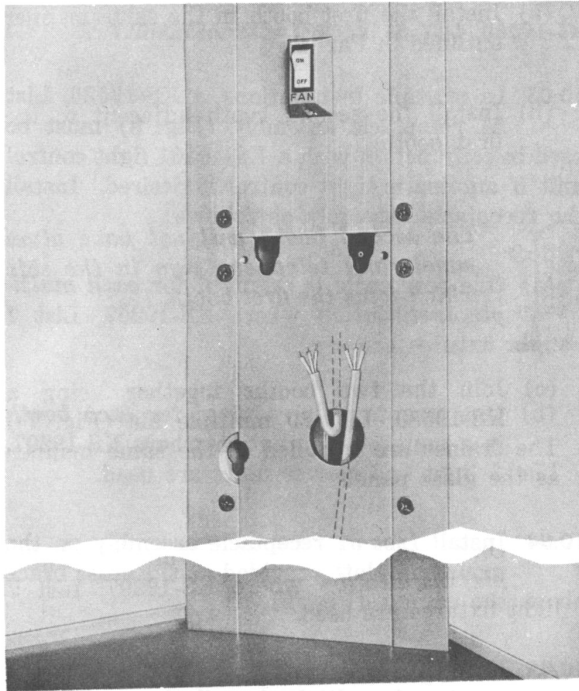


Fig. 6 — Station Wiring

- (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:
  - (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

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

- (a) Install the first booth in the same manner outlined in Part 2.



*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.

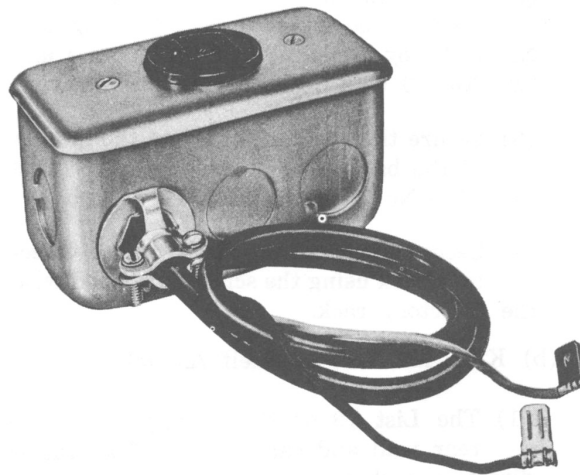
#### KS-19580, LIST 51 RECEPTACLE ASSEMBLY

**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.



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

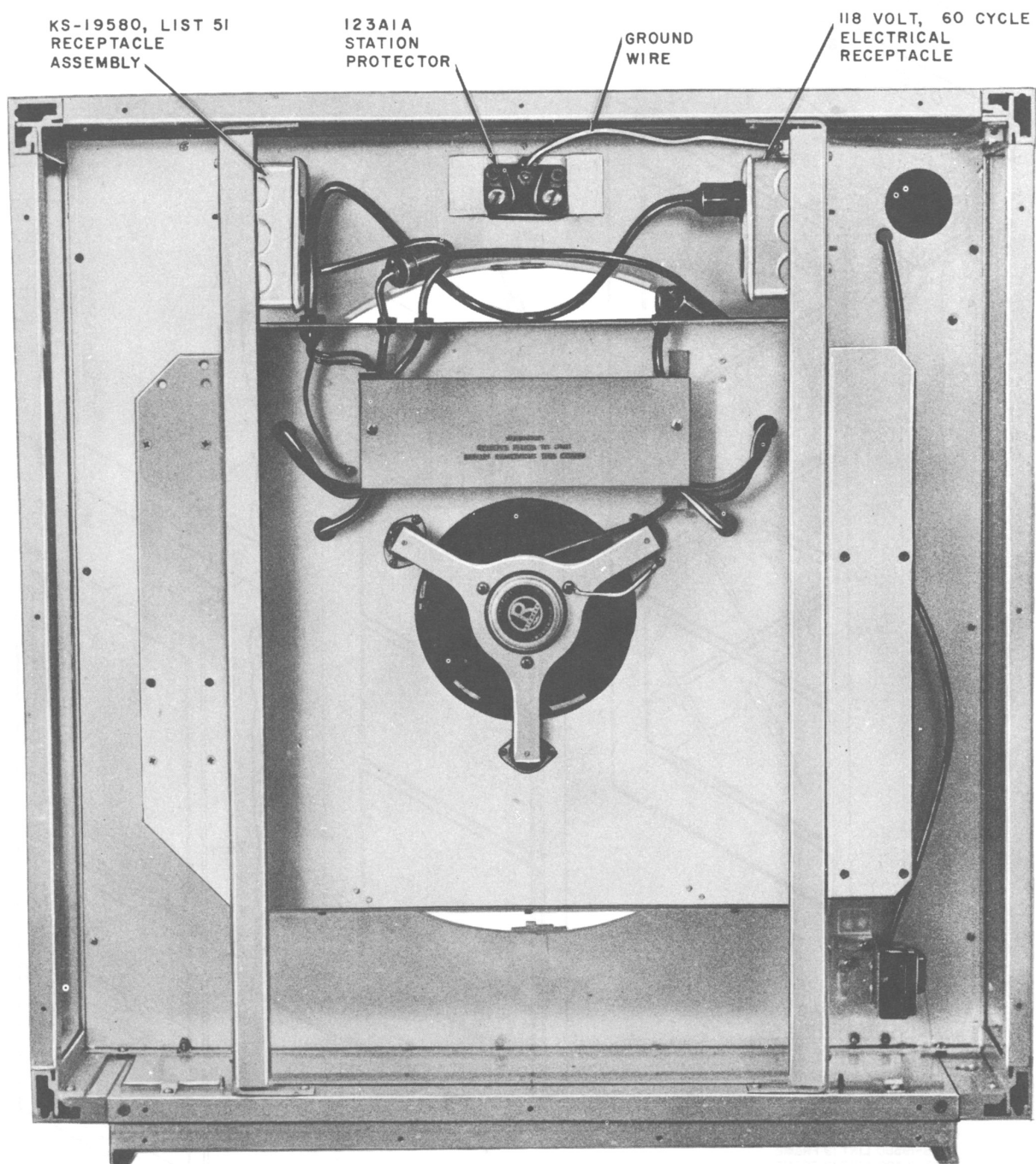


Fig. 9 — KS-19425 Booth Ceiling Area



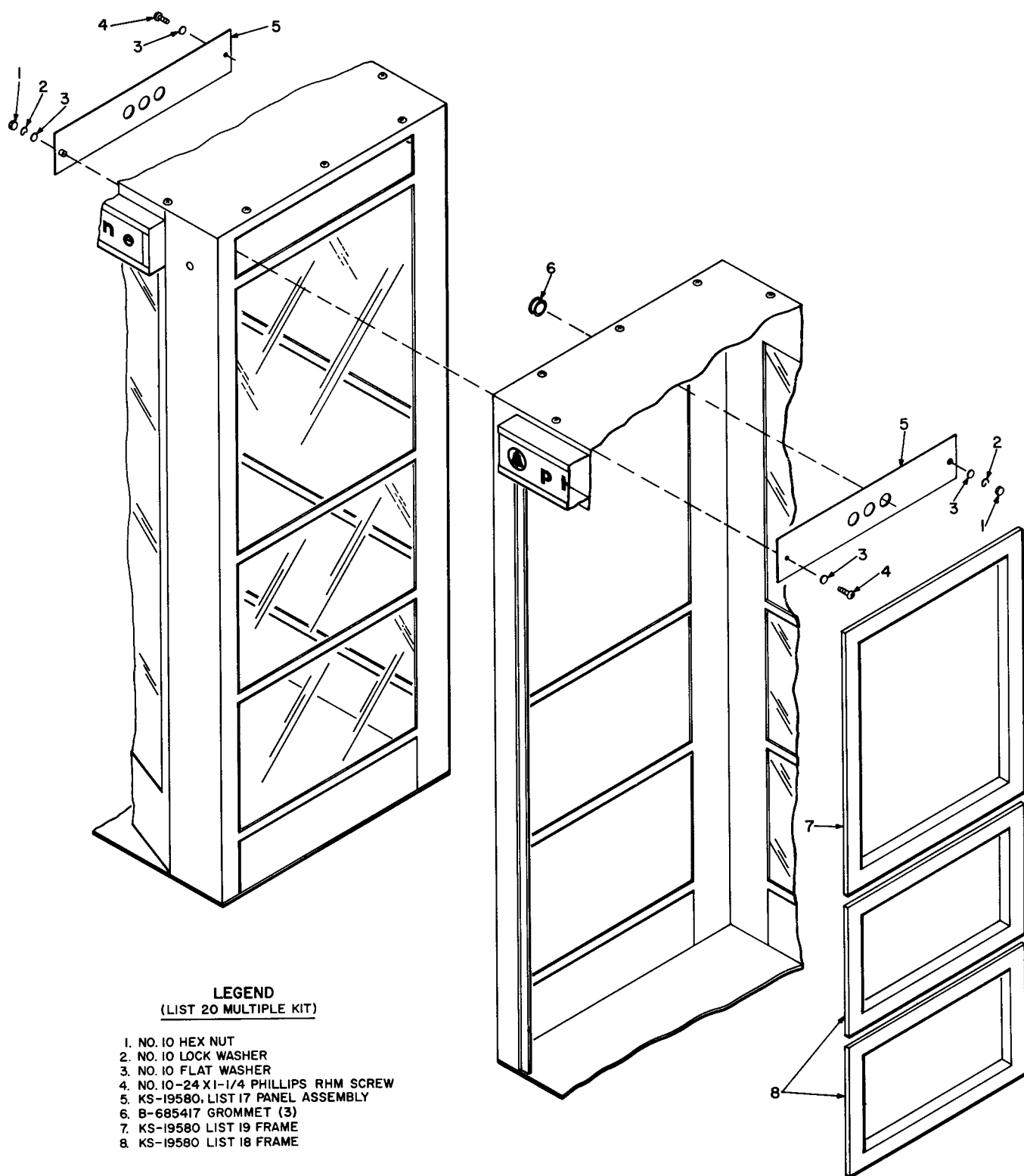
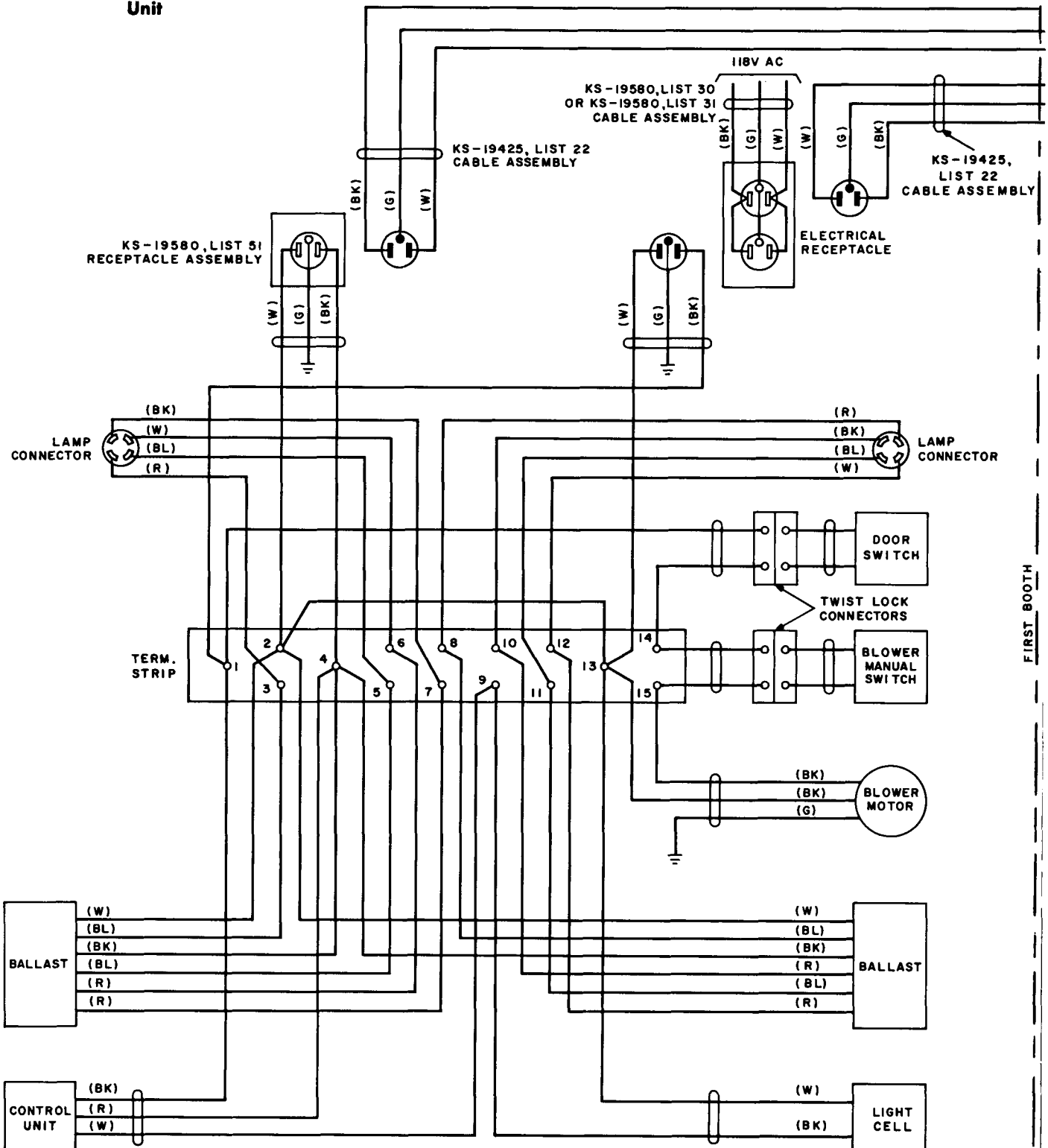


Fig. 7 — KS-19580, List 20 Multiple Kit



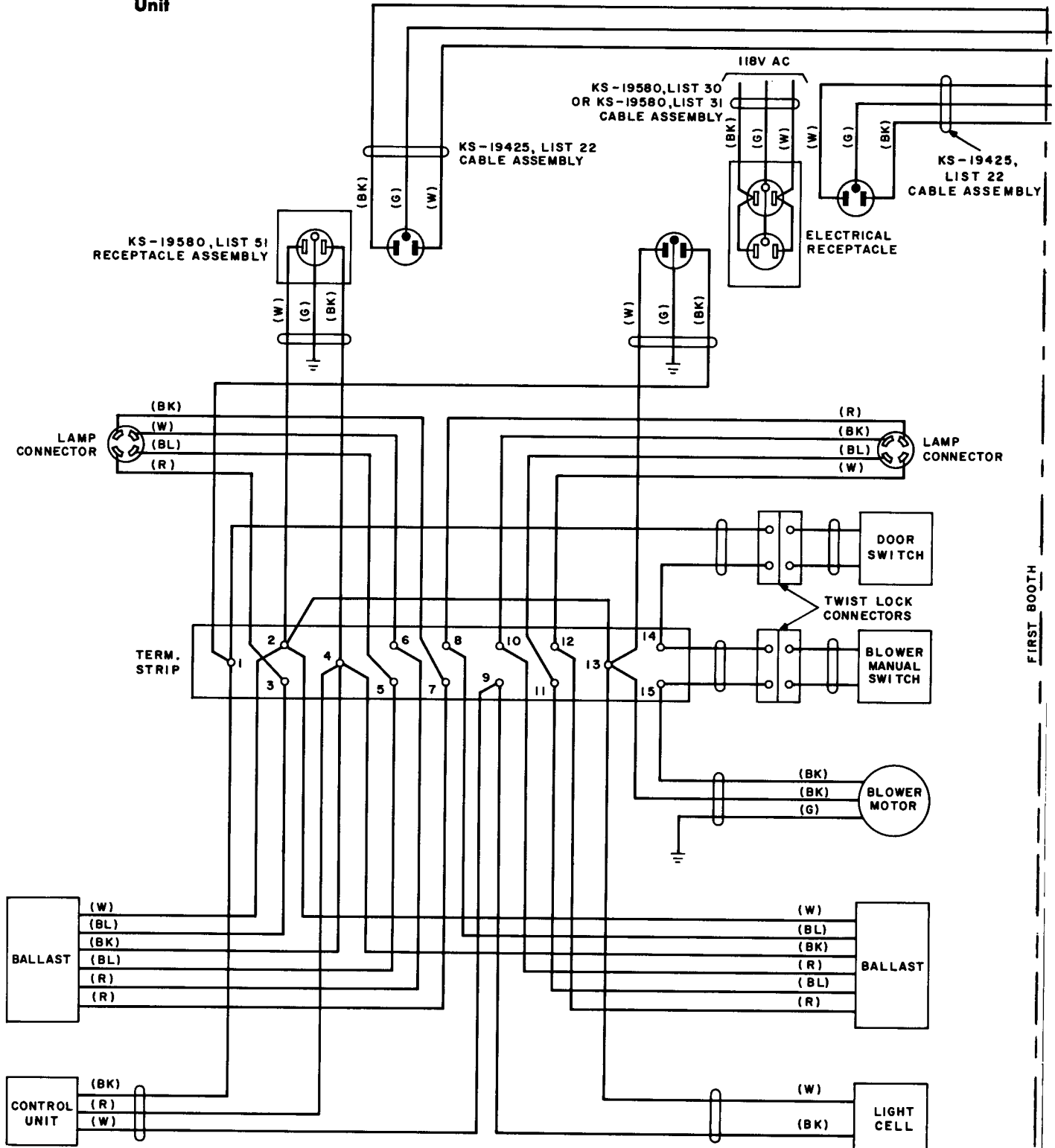
**Fig. 11 — Wiring Diagram of Multiple Installation  
Using KS-19207, List 3 Light and Blower  
Unit**



**Note:** FOR MULTIPLE INSTALLATIONS USING KS-19207, LIST 3 LIGHT AND BLOWER UNITS, AND USING A KS-19261 LIGHT CONTROL UNIT (MAXIMUM OF FIVE BOOTHS FOR EACH CONTROL UNIT), REMOVE THE STRAP WIRE FROM TERMINAL STRIP TERMINALS 1 AND 4 IN ALL BOOTHS. REMOVE THE STRAP WIRE FROM TERMINALS 2 AND 13 IN ALL BOOTHS EXCEPT FIRST BOOTH. INSTALL A KS-19580, LIST 51 RECEPTACLE ASSEMBLY IN EACH BOOTH. CONNECT LIST 51 RECEPTACLE OF SECOND, THIRD, FOURTH AND FIFTH BOOTHS TO LIST 51 RECEPTACLE OF PREVIOUS BOOTH USING KS-19425, LIST 22 CABLE ASSEMBLY. CONNECT ELECTRICAL RECEPTACLES IN SAME MANNER.

FIRST BOOTH

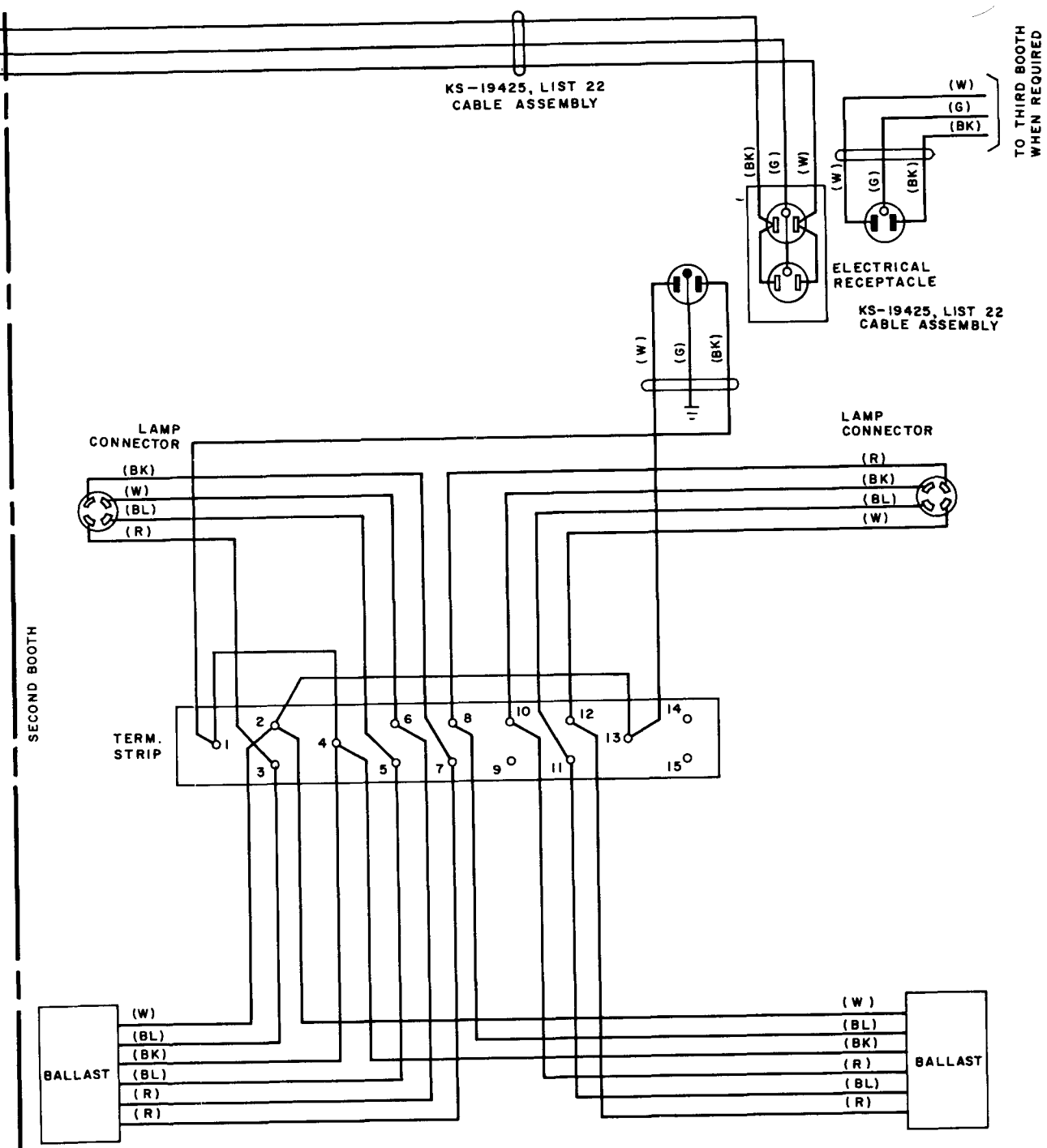
**Fig. 11 — Wiring Diagram of Multiple Installation  
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FOR MULTIPLE INSTALLATIONS USING KS-19207, LIST 7 UNITS, AND USING A KS-19261 LIGHT CONTROL UNIT (MAXIMUM OF FIVE BOOTHS FOR EACH CONTROL UNIT), REMOVE THE STRAP WIRE FROM TERMINAL STRIP TERMINALS 1 AND 4 IN FIRST BOOTH. INSTALL A KS-19580, LIST 51 RECEPTACLE ASSEMBLY IN THE FIRST BOOTH. CONNECT ELECTRICAL RECEPTACLE OF SECOND BOOTH TO LIST 31 RECEPTACLE OF FIRST BOOTH USING KS-19425, LIST 22 CABLE ASSEMBLY. CONNECT ELECTRICAL RECEPTACLE OF THIRD, FOURTH, AND FIFTH BOOTHS TO ELECTRICAL RECEPTACLE OF PREVIOUS BOOTH USING KS-19425, LIST 22 CABLE ASSEMBLY.



Continued Fig. 10 -- Wiring Diagram of Multiple  
Installation Using KS-19207,  
List 7 Light Unit  
(See Note Page 11)