

## KS-21977 CLEAR VIEW COIN TELEPHONE MOUNTING IDENTIFICATION, INSTALLATION, AND MAINTENANCE

### 1. GENERAL

1.01 This section contains information on the KS-21977 coin telephone mounting. The KS-21977 coin telephone mounting (Fig. 1 and 2) is a transparent tinted gray color U shaped mounting intended for indoor use. It can be post or wall mounted.

1.02 This section is reissued to:

- Revise Table A to include information on Lists 1A, 1B, 10A, and 10B complete mountings
- Include Table A in ordering guide
- Replace Fig. 1 with current model mounting
- Update text and figures per latest KS-specification.

1.03 The mounting may be installed in single, side-by-side, or back-to-back installations.

1.04 The 1, 1A, and 1B mountings will accept only the 1-type coin telephone set. The 10, 10A, and 10B mountings will accept the 1-type coin telephone set and the coinless telephone set.

### 2. IDENTIFICATION

2.01 The overall dimensions of the housing are:

- Height—22 inches (short) or 32 inches (tall)
- Width—22 inches
- Depth—14 inches.

2.02 The approximate weight is:

- Housing—18 pounds (short) and 20 pounds (tall)

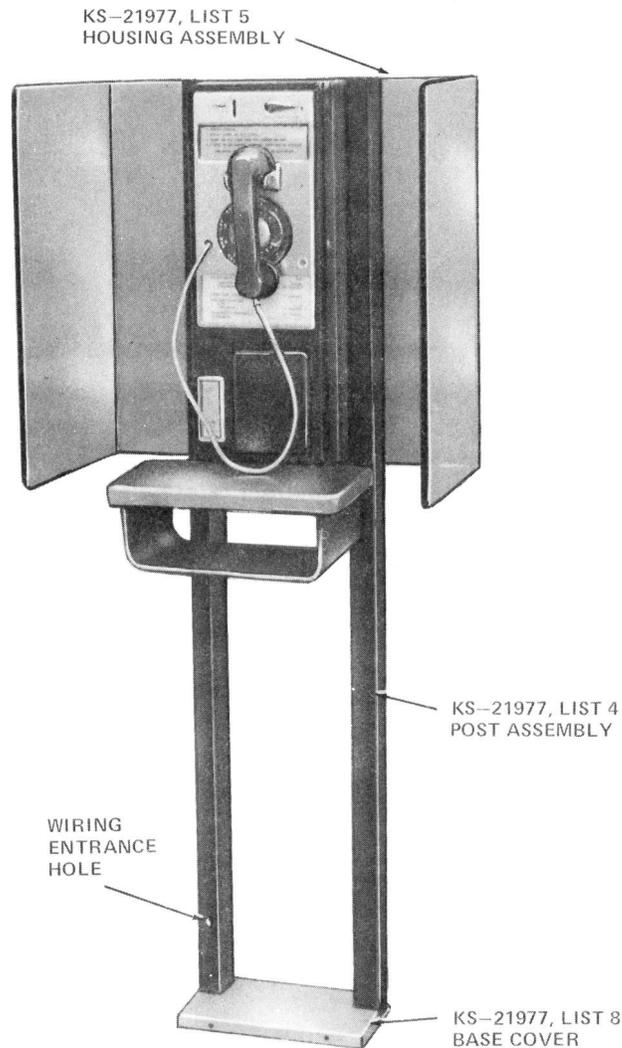


Fig. 1—KS-21977, List 1 Post Mounting

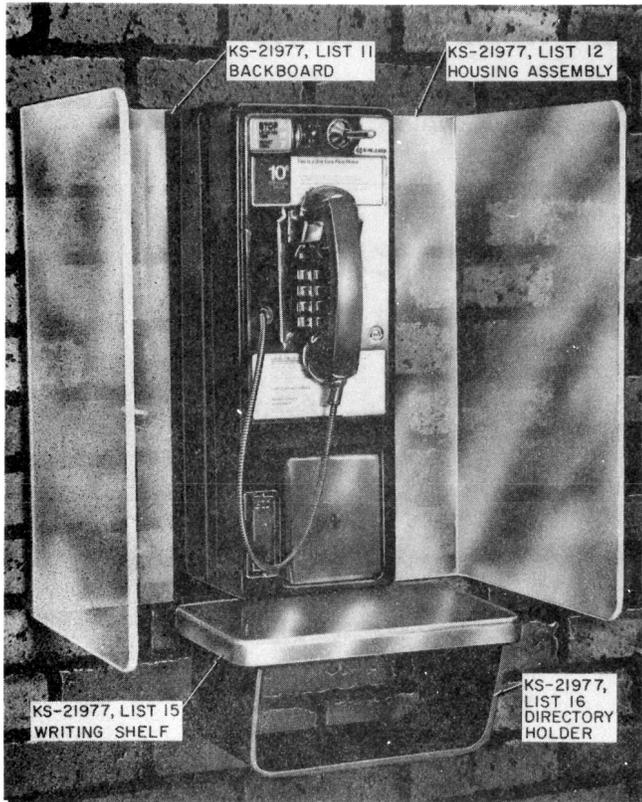
- Shelf—8 pounds
- Post—57 pounds.

2.03 A typical KS-21977 post mounting includes:

- List 4 post assembly

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**Fig. 2—KS-21977, List 10 Wall Mounting**

- List 5 U shaped short housing
- List 8 base cover
- List 9 plate dressing
- List 15 writing shelf assembly
- List 16 directory holder.

**2.04** A typical KS-21977 wall mounting includes:

- List 11 backboard
- List 12 U shaped short housing
- List 15 writing shelf assembly
- List 16 directory holder.

**2.05** An optional KS-20030, List 11 or KS-21435, List 1 directory hanger (ordered separately) can be used in lieu of the KS-21977, List 16 directory holder furnished with each mounting.

**2.06** The housing is made of transparent plastic which offers customer conversation privacy. A List 9 plate dressing gives the housing additional strength in the area where it fastens to the post assembly with security screws.

**2.07** There are no light fixtures associated with this mounting.

**2.08** A Bell System logo is bonded to the back of Lists 6 and 20 tall housings (post) and Lists 18 and 19 tall housings (wall).

**2.09** List numbers assigned for a complete mounting are shown in Table A along with the individual components required to make up the mounting.

**Ordering Guide**

**2.10** Orders for this product shall specify the quantity, KS number, and List number; refer to Table A.

**2.11** Following are examples of typical orders:

***Example No. 1:***

One single post mounted unit with short housing (complete with writing shelf and directory holder) would be ordered as follows:

1—KS-21977, List 1.

***Example No. 2:***

Four wall mounted (multiple) complete units would be ordered as follows:

1—KS-21977, List 10A

3—KS-21977, List 10B.

**3. INSTALLATION**

**3.01** Location should be:

- Within full view of public
- Readily accessible to customer
- Free of hazards such as broken or uneven flooring, pavement, or wall surface.

TABLE A

## ORDERING GUIDE – COMPLETE KS-21977 MOUNTING

KS-21977 LIST NO.	DESCRIPTION	REMARKS
1	Post Mount Unit (Single)	Consists of: List 4 Post Assembly List 5 U Shape Short Housing (22 inch) List 8 Base Cover List 9 Plate Dressing List 15 Writing Shelf Assembly List 16 Directory Holder
1A	Post Mount Unit (Single)	Consists of: List 4 Post Assembly List 6 U Shape Tall Housing (32 inch) List 8 Base Cover List 9 Plate Dressing List 15 Writing Shelf Assembly List 16 Directory Holder
1B	Post Mount Unit (Multiple)	Consists of: List 4 Post Assembly List 20 L Shape Tall Housing (32 inch) List 8 Base Cover List 9 Plate Dressing List 15 Writing Shelf Assembly List 16 Directory Holder
10	Wall Mount Unit (Single)	Consists of: List 11 Wall Mount Backboard Assembly List 15 Writing Shelf Assembly List 16 Directory Holder List 12 U Shape Short Housing (22 inch)
10A	Wall Mount Unit (Single)	Consists of: List 11 Wall Mount Backboard Assembly List 15 Writing Shelf Assembly List 16 Directory Holder List 18 U Shape Tall Housing (32 inch)
10B	Wall Mount Unit (Multiple)	Consists of: List 11 Wall Mount Backboard Assembly List 15 Writing Shelf Assembly List 16 Directory Holder List 19 L Shape Tall Housing (32 inch)

**3.02** Ensure that wall or floor will provide a secure mounting for the unit(s) being installed.

**Note:** Only the Lists 10, 10A, and 10B (wall mount) units are shipped completely assembled. The Lists 1, 1A, and 1B (post mount) units are shipped disassembled (housing and writing shelf with directory holder detached from the post), components must be assembled in the field, see Table A.

**3.03** Install a post mount (single unit) as follows.

- (a) Place the post in the exact position the unit will be mounted.
- (b) Using the base as a marking template, mark the location for the four mounting holes.
- (c) Remove unit from drilling area.

**Danger: Use eye protection while drilling.**

- (d) **Masonry Surfaces.**

## SECTION 508-257-100

- (1) Use HILTI No. 5490024 (or equivalent) anchors and 1/2-13 by 1-inch hex head machine bolts, SAE grade 5.
- (2) Drill holes to accept the anchors. Anchors should be flush or slightly under flush with surface.
- (3) Secure post to anchors using the bolts described in (1).

### (e) *Wooden Surfaces.*

- (1) Use 1/2 by 2-1/2 inch hex head lag bolts.
- (2) Drill 3/8-inch lead holes 2 inches deep.
- (3) Secure the base using the lag bolts.

**Caution:** *The post must be plumb to ensure proper operation of the coin telephone set. Use shims as necessary to plumb the post.*

- (f) Install baseplate cover using four No. 10-32 by 1/2 flat head security screws.
- (g) Install plastic housing on post as follows.
  - (1) Insert the eight plastic bushings furnished in the 1/2-inch holes of the housing.
  - (2) Mount the housing to the post using the dressing plate and eight 1/4-20 by 7/8-inch RH security screws (furnished).
- (h) Install writing shelf with the directory holder using two 5/16-18 by 3/4-inch hex head screws and plain washers (furnished).

### 3.04 Install a wall mount (single unit) as follows.

- (a) Mark a location on the wall 33-1/2 inches from the floor. This position is for bottom edge of plastic housing and will provide a coin slot height of 54 inches.
- (b) Utilizing the 33-1/2 inch marked position, use plastic housing with backboard as a marking template, ensure that the housing from left to right is level, and mark the location for seven mounting holes.

**Danger:** *Use eye protection while drilling.*

- (c) Use Table B as a guide and drill seven mounting holes at the marked locations.
- (d) Secure housing and backboard to wall using hardware specified in Table B.

## MULTIPLE INSTALLATIONS

### A. Post Mounts, Side-By-Side

**Note:** When installing post mounts side-by-side, the left end unit as viewed from the front will be designated the first unit and will be a List 1A (see Table A). The second and subsequent units will include a List 2 (Fig. 3).

**3.05** Mark the mounting surface with a line that will be the front edge of the post bases.

**3.06** Install the first unit in the position on the left end of the lineup as directed in paragraph 3.03. Continue the installation with the second and subsequent units.

### B. Post Mounts, Back-to-Back

**3.07** Mark the mounting surface with a line that will be the front edge of one of the mounts; then install other mount directly in back of the first one.

### C. Wall Mounts, Side-By-Side

**Note:** When installing wall mounts in multiples, the left end unit as viewed from the front will be designated the first unit and is a List 10A. The second and subsequent units will be a List 10B.

**3.08** Mark a straight line on the wall 33-1/2 inches from the floor. This is where the bottom edge of the backboards will be positioned.

**3.09** Install the first unit (List 10A) in the position on the left end of the lineup as directed in paragraph 3.04. Continue the installation with the second and subsequent units.

TABLE B

## FASTENERS USED FOR MOUNTING BACKBOARD TO WALL

MOUNTING SURFACE	DRILL SIZE FOR HOLE REQUIRED	SIZE AND TYPE FASTENER
Soft Wood or Hard Wood	9/64 or No. 27	1-3/4 inch No. 16 FH tapping screw
Masonry* (Concrete, Brick)	5/8	1/4 by 2-inch expansion shield with 5/16 by 2-3/4 inch machine screw
Lath and Plaster†	9/64 or No. 27	2-3/4-inch No. 16 FH wood screw (fastener must be embedded in stud 1-inch)
Plaster, Cinder Block, Hollow Tile, Metal Lath, Plaster Board	1-inch	1/4 by 4-inch FH toggle bolt‡

\* When mounting on plastered masonry, use fasteners 1/2-inch longer than specified.

† When mounting on plasterboard, plaster on lath, etc, fasteners must be embedded in stud at least 1 inch.

‡ When using toggle bolts, cut off excess length.

**WIRING**

**Note:** Because of the transparency feature of the mounting, there are no provisions for running wires from one housing to the next housing in multiple installations. Wiring will be run through the entrance hole of the left leg of each post assembly or through the hole in the backboard for wall mounting.

**A. Post Mountings**

**3.10** Remove the hole plug from the lower left leg of the post assembly. Run wire up through left leg, through a hole located at bottom of mounting plate and up the cavity to hole located in center of mounting plate.

**B. Wall Mounting**

**3.11** Wire entrance hole is located in center of backboard assembly.

**C. Directory Hangers**

**3.12** Mounting holes are provided under the writing shelf for an optional KS-20030, List 11 or

KS-21435, List 1 directory hanger to be used in place of the KS-21977, List 16 directory holder furnished with the mountings. The necessary mounting hardware is furnished with each hanger.

**D. Coin Telephone Set**

**3.13** Install the coin telephone set using four P-40Y060 short shoulder security studs and seven 1/4-20 by 3/8-inch RHM screws. Refer to Section 506-410-400 or TOP 506-410-402 for additional installation information on the 1-type coin telephone set. Refer to Section 506-500-100 for coinless telephone sets.

**Note:** The station protector can be located, if desired, in the cavity of the L shape mounting plate behind the writing shelf.

**4. MAINTENANCE**

**4.01** Clean in accordance with Section 508-100-101.

**4.02** Refer to Table A for components.

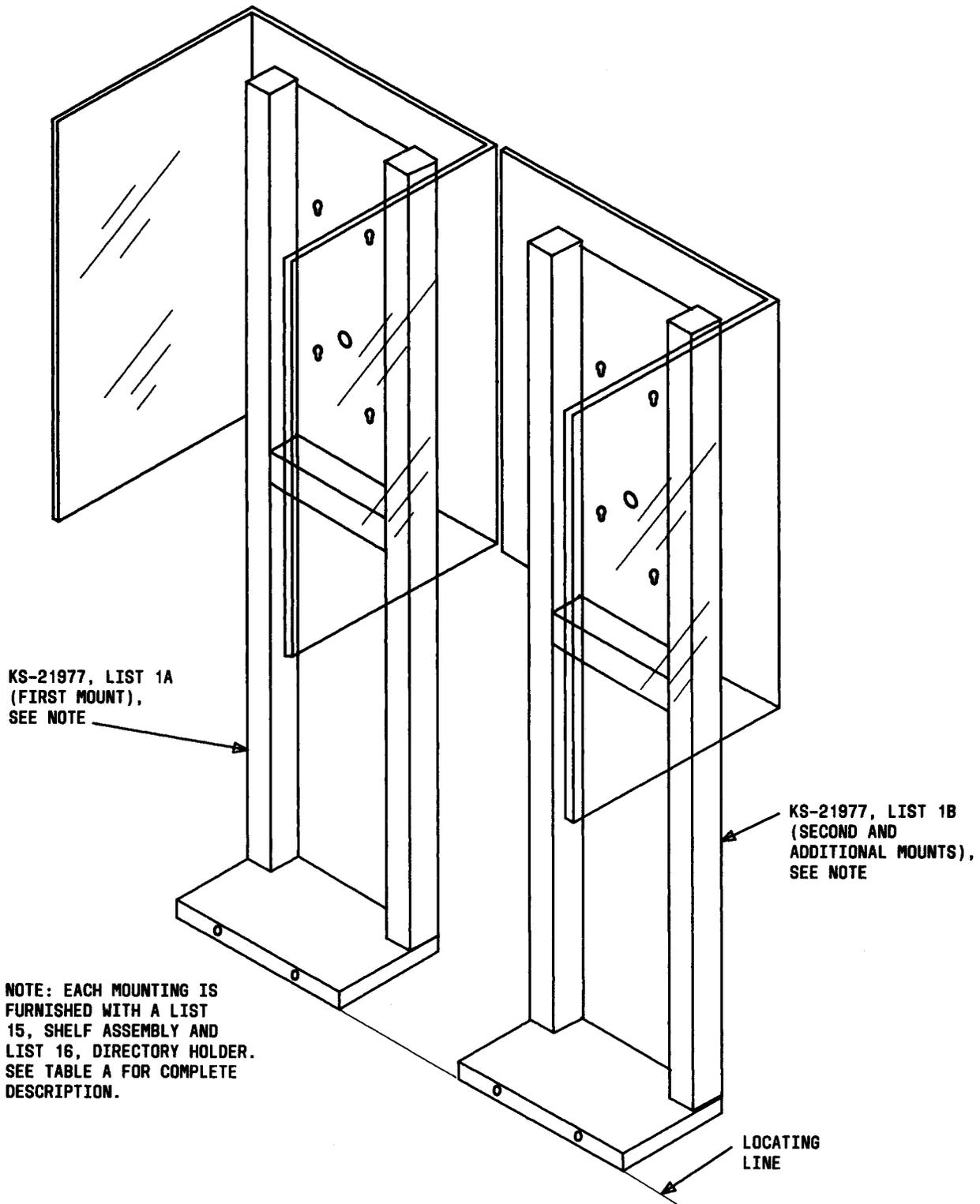


Fig. 3—Post Mountings, Side-By-Side

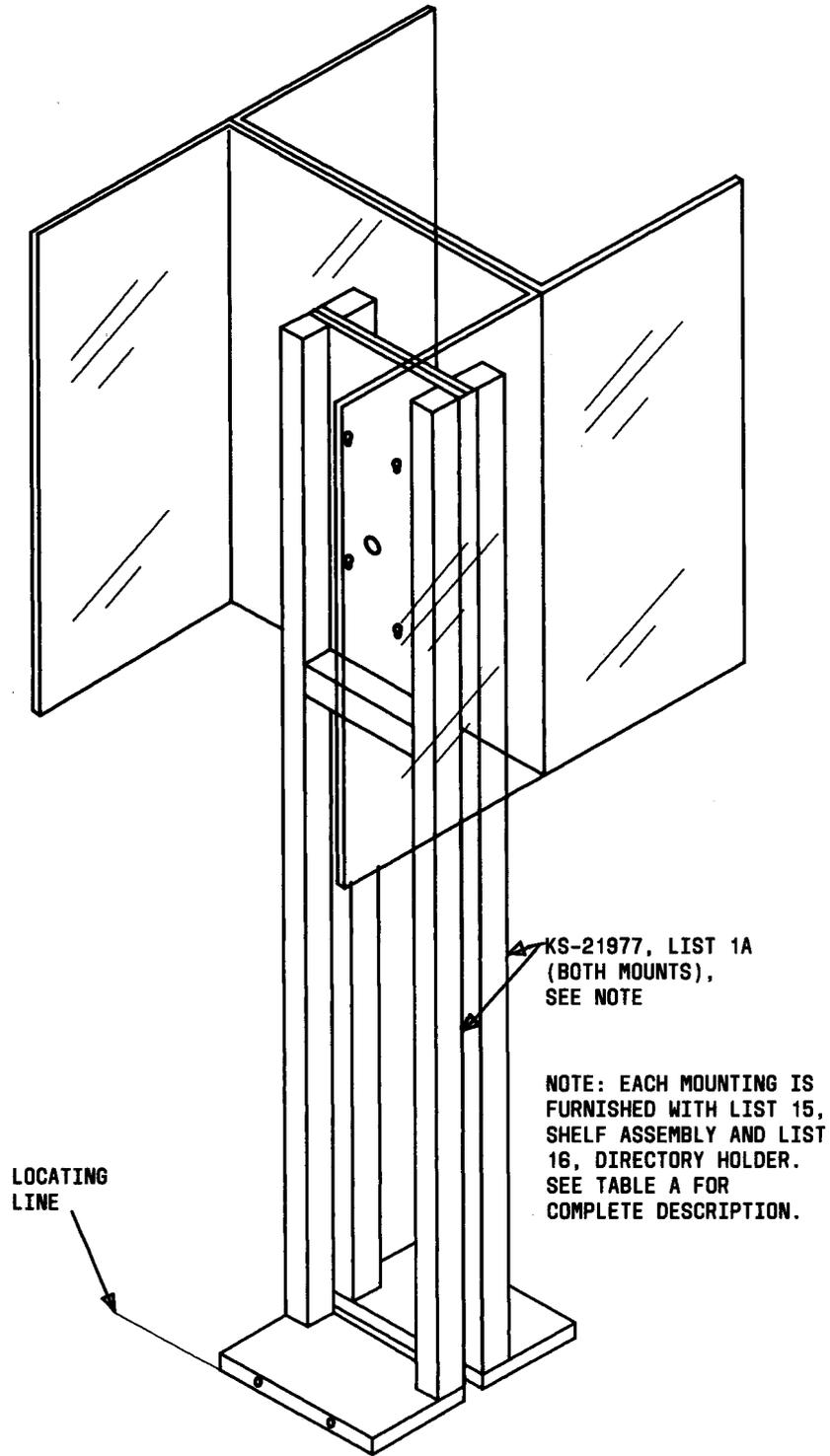


Fig. 4—Post Mountings, Back-to-Back

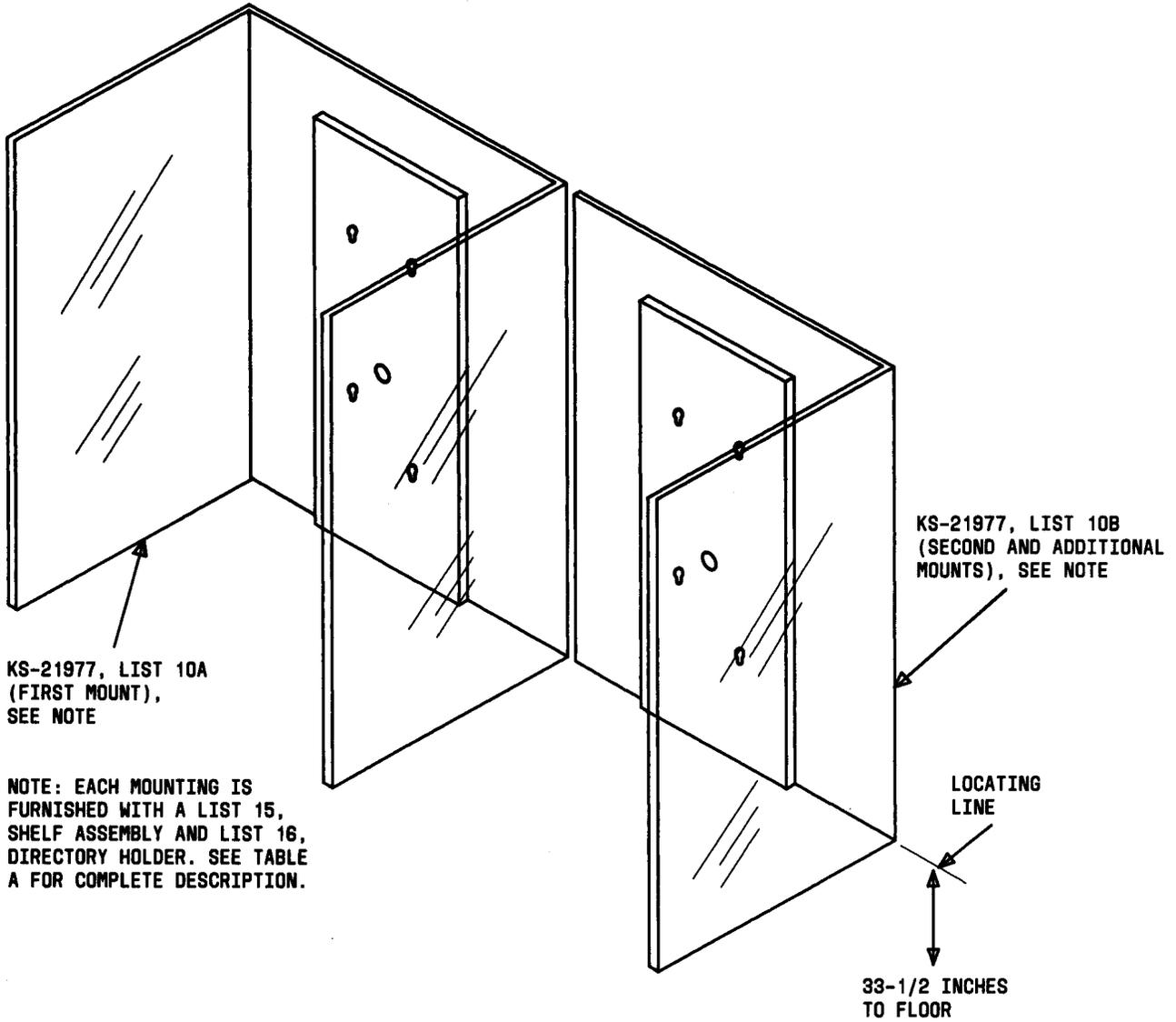


Fig. 5—Wall Mountings, Side-By-Side