KS-21977 CLEAR VIEW PUBLIC TELEPHONE MOUNTING

IDENTIFICATION, INSTALLATION, AND MAINTENANCE

1. GENERAL

1.01 This section provides information on the KS-21977 public telephone mounting. The KS-21977 public telephone mounting (Fig. 1 and 2) is a transparent tinted gray color U-shaped mounting intended for indoor use. This mounting is also available in L shape (Table A). Both type mountings can be post or wall mounted.

1.02 This section is reissued to change:

(a) The rating of the KS-21977, Lists 1 and 10 mountings to manufacture discontinued (MD)

(b) Fig. 1 and 2

(c) Table A

(d) Title.

Revision arrows are used to emphasize the more significant changes.

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

1.04 Lists 1 ♦(MD)♦, 1A, and 1B mountings will accept the 1-type coin telephone set, ♦the 3A2 coin telephone set♦ and by installing a KS-21977, List 25 adapter assembly, the 10A ♦or 10B♦ coinless public telephone set. Lists 10 ♦(MD)♦, 10A, and 10B mountings will accept either type telephone set without using the adapter assembly.

2. IDENTIFICATION

2.01 The overall dimensions of the housing are as follows:

- Height — 32 inches
- Width — 22 inches
- Depth — 14 inches.

2.02 The approximate weight is as follows:

- Housing — 20 pounds
- Shelf — 8 pounds
- Post — 57 pounds.

2.03 A typical KS-21977 post mounting includes the following:

- One List 4 post assembly
- One List ♦6♦ U-shaped housing
- One List 8 base cover
- One List 9 plate dressing
- One List 15 writing shelf assembly
- One List 16 directory holder.

2.04 A typical KS-21977 wall mounting includes the following:

- One List 11 backboard
- One List 15 writing shelf assembly
- One List 16 directory holder
- One List ♦18♦ U-shaped housing.

2.05 An optional KS-20030, List 11 or KS-21435, List 1 directory hanger (ordered separately, Section 508-710-102) can be used in lieu of the KS-21977, List 16 directory holder furnished with each mounting.

2.06 The clear view 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 post-mounted housings and Lists 18 and 19 wall-mounted housings.

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 One single post-mounted unit (complete with writing shelf and directory holder) shall be ordered as one KS-21977, List 1A.

2.12 Four wall-mounted (multiple) complete units shall be ordered as one KS-21977, List 10A and three KS-21977, List 10B.

3. INSTALLATION

3.01 Location should be as follows:

- Within full view of public

- Readily accessible to customer

- Free of hazards such as broken or uneven flooring, pavement, or wall surface.

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

Note: Units are shipped completely assembled.

3.03 *Caution: The post must be plumb to ensure proper operation of the coin telephone set. Shims may be required to plumb the post.* Install a post mount (single unit) as follows:

(1) Place the post in the exact position the unit will be mounted.

(2) Using the base as a marking template, mark the location for the four mounting holes.

(3) Set the base aside.

3.04 For masonry surfaces, use the following procedure:

(1) Use HILTI No. 5490024 (or equivalent) anchors and 1/2-13 by 1 hex head machine bolts, SAE grade 5.

(2) *DANGER: Eye injury could occur when drilling.* 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 Step (1).

3.05 For wooden surfaces, use the following procedure:

(1) Use 1/2 by 2-1/2 hex head lag bolts.

(2) *DANGER: Eye injury could occur when drilling.* Drill 3/8-inch lead holes 2-inches deep.

(3) Secure the base using the lag bolts.

3.06 Complete installation of post mount is as follows:

(1) Install baseplate cover using four No. 10-32 by 1/2 flathead security screws.

(2) Install plastic housing on post as follows:

(a) Insert the eight plastic bushings (furnished) in the 1/2-inch holes of the housing.

(b) Mount the housing to the post using the dressing plate and eight 1/4-20 by 7/8 roundhead security screws (furnished).

(3) Install writing shelf with the directory holder using two 5/16-18 by 3/4 hex head screws and two 5/16-inch plain washers (furnished).

3.07 Install a wall mount (single unit) as follows:

(1) 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.

(2) 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 ten mounting holes.

(3) **DANGER: *Eye injury could occur when drilling.*** Use Table B as a guide and drill ten mounting holes at the marked locations.

(4) Secure housing and backboard to wall using hardware specified in Table B.

MULTIPLE INSTALLATIONS

A. Post Mounts, Side-By-Side (Fig. 3)

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 1B.

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

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

B. Post Mounts, Back-to-Back (Fig. 4)

3.10 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 (Fig. 5)

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.

3.11 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.

3.12 Install the first unit (List 10A) in the position on the left end of the line up as directed in paragraph 3.07. Continue the installation with the second and subsequent units.

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

3.13 Remove the hole plug from the lower-right leg of the post assembly. Run wire up through right 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

3.14 Wire entrance hole is located in center of backboard assembly.

C. Directory Hangers

3.15 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. Public Telephone Set

3.16 ♦*Warning: The length of the seven 1/4-20 roundhead machine mounting screws must not exceed 3/8 inch or the plastic housing may be cracked.*♦ Install the telephone set using four 834080608 short-shoulder security studs and seven 1/4-20 by 3/8 roundhead machine 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 506-410-403 for installation information on the 3A2 coin telephone set.♦ Refer to Section 506-500-100 for 10A and 10B 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.

E. KS-21977, List 25 Adapter Assembly (Fig. 6)

3.17 The List 25 adapter assembly consists of an adapter plate, four studs, and four hex nuts. Install the adapter assembly as follows.

(1) Screw the four studs into the backplate on the List 4 post assembly, full length of threads.

(2) Place the adapter plate over the four studs.

(3) Mount rear pan ♦of the 10A or 10B coinless◄ telephone set over studs and fasten with the four hex nuts.

(4) Mount front cover ♦of the 10A or 10B coinless◄ telephone set on rear pan assembly.

4. MAINTENANCE

4.01 Clean in accordance with Section 508-100-101.
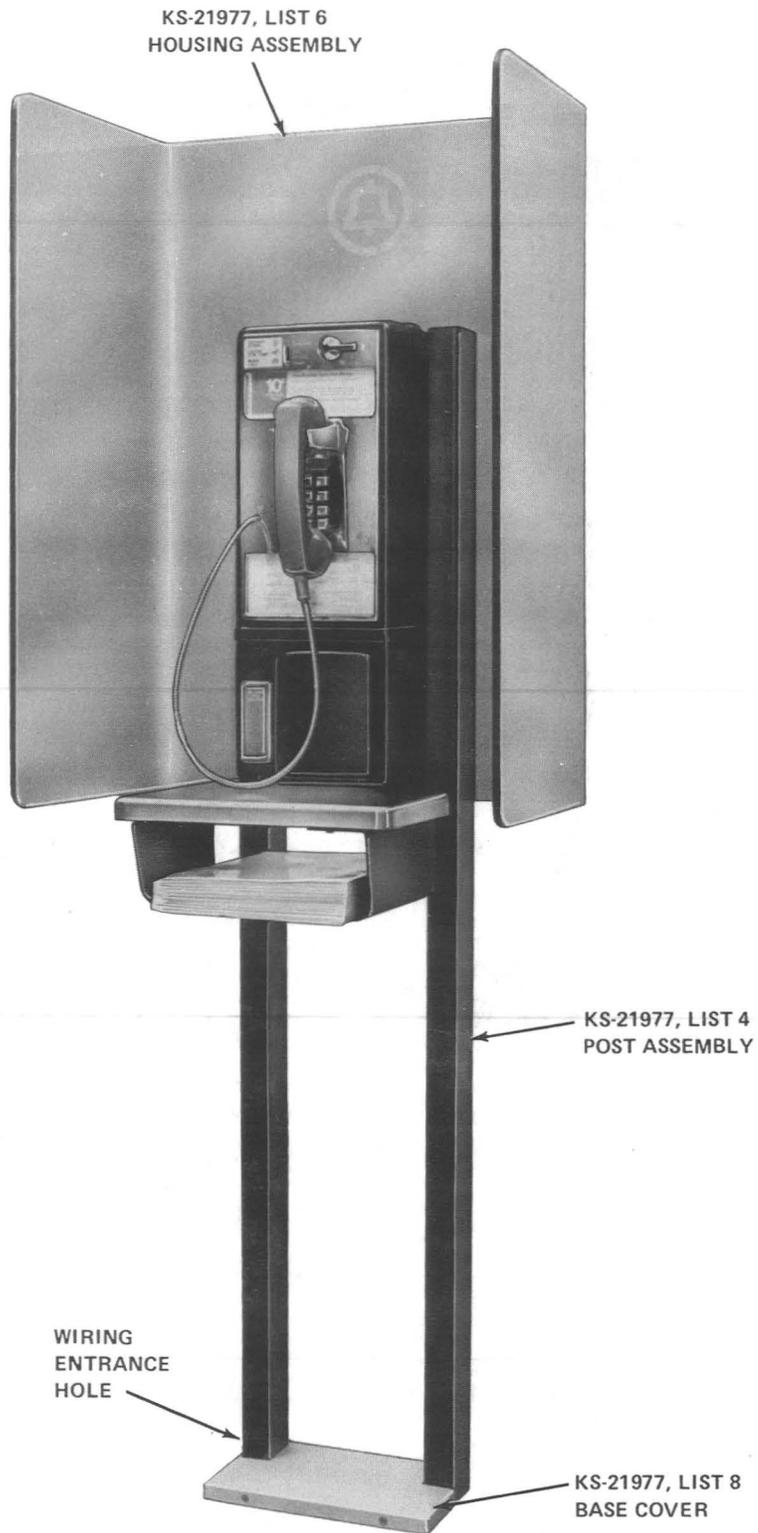
4.02 Refer to Table A for components.

KS-21977, LIST 6
HOUSING ASSEMBLY

KS-21977, LIST 4
POST ASSEMBLY

WIRING
ENTRANCE
HOLE

KS-21977, LIST 8
BASE COVER

Fig. 1—KS-21977, List 1A Post Mounting

KS-21977, LIST 5
HOUSING ASSEMBLY

KS-21977, LIST 15
WRITING SHELF

KS-20030, LIST 11
DIRECTORY HANGER

KS-21977, LIST 4
POST ASSEMBLY

KS-21977, LIST 8
COVER PLATE
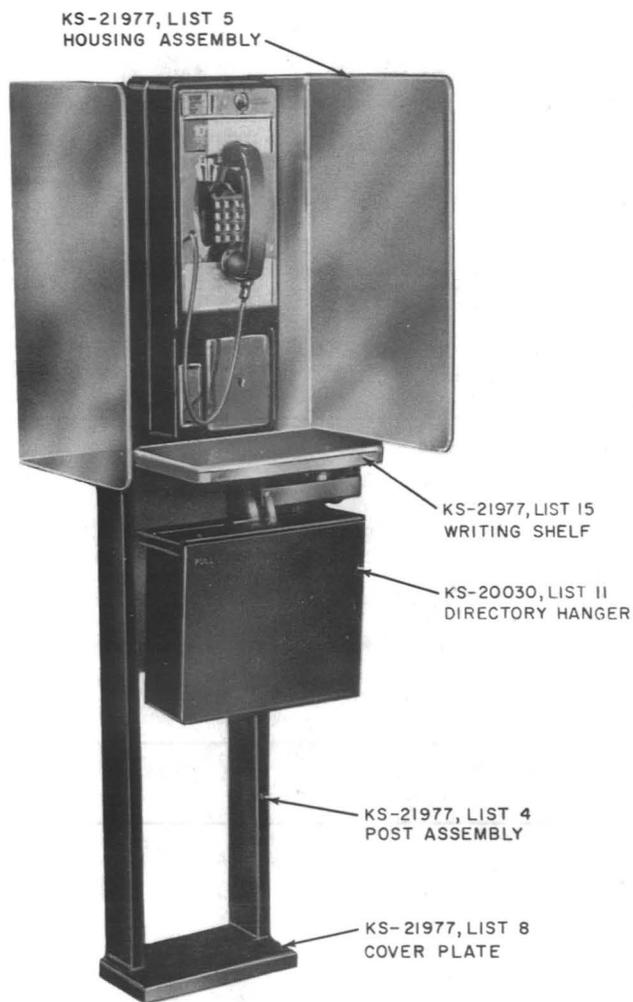
Fig. 2—◗KS-21977, List 10A Wall Mounting◖

KS-21977, LIST 1A
(FIRST MOUNT),
SEE NOTE

KS-21977, LIST 1B
(SECOND AND
ADDITIONAL MOUNTS),
SEE NOTE

NOTE: EACH MOUNTING IS
FURNISHED WITH A LIST
15, SHELF ASSEMBLY AND
LIST 16, DIRECTORY HOLDER.
SEE TABLE A FOR COMPLETE
DESCRIPTION.

LOCATING
LINE
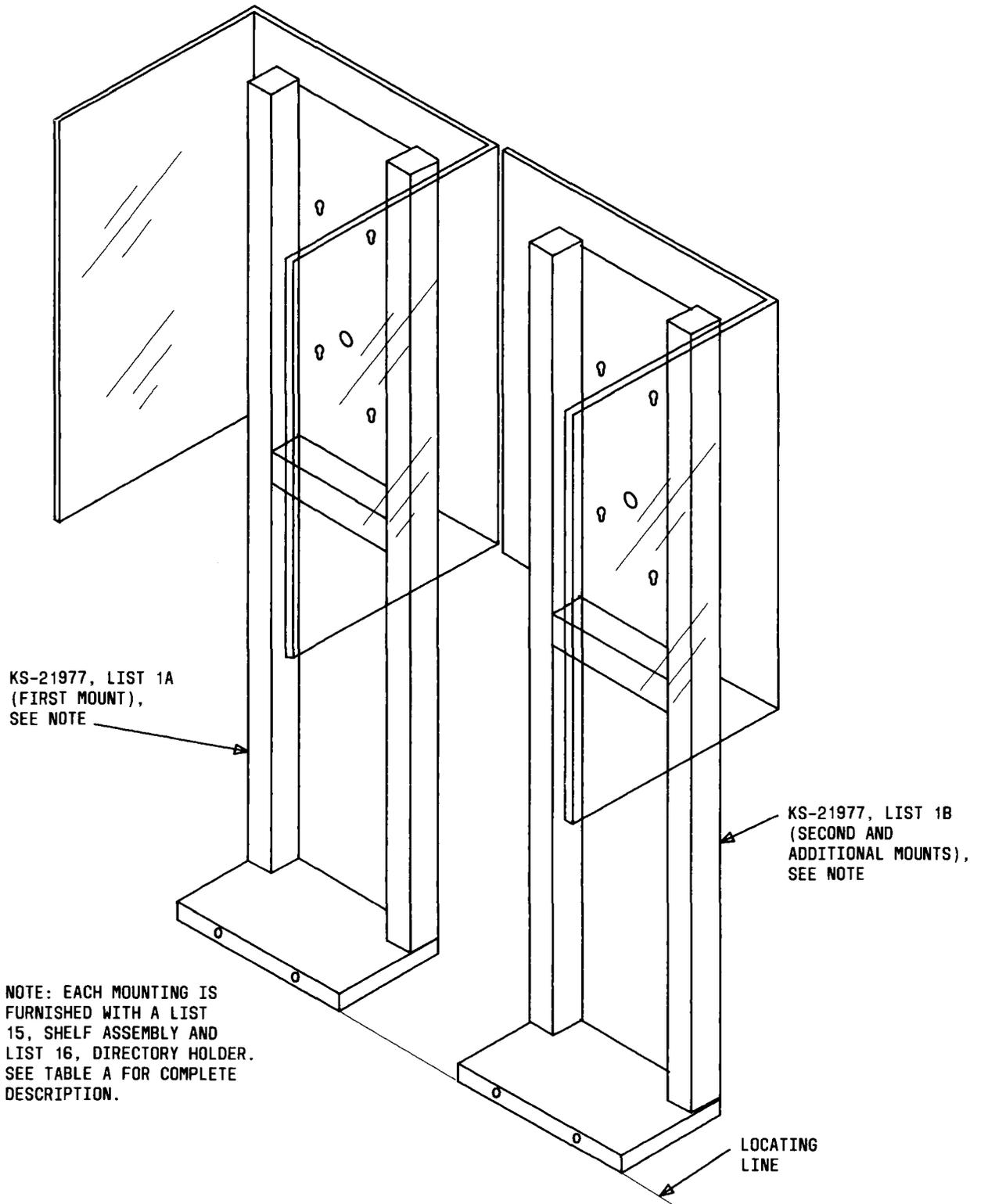
Fig. 3—Post Mountings, Side-by-Side

KS-21977, LIST 1A
(BOTH MOUNTS),
SEE NOTE

NOTE: EACH MOUNTING IS
FURNISHED WITH LIST 15,
SHELF ASSEMBLY AND LIST
16, DIRECTORY HOLDER.
SEE TABLE A FOR
COMPLETE DESCRIPTION.

LOCATING
LINE
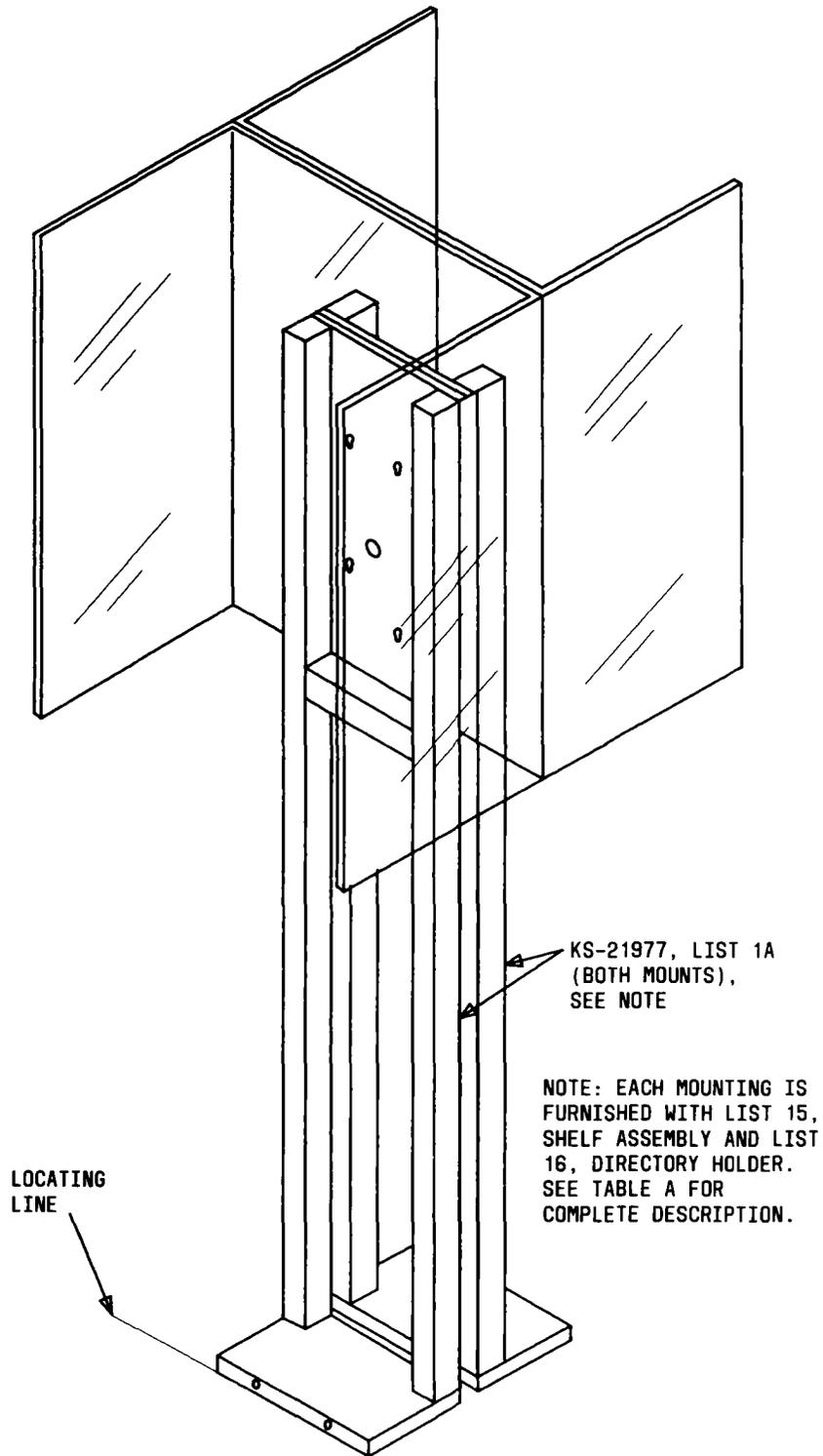
Fig. 4—Post Mountings, Back-to-Back

KS-21977, LIST 10A
(FIRST MOUNT),
SEE NOTE

KS-21977, LIST 10B
(SECOND AND ADDITIONAL
MOUNTS), SEE NOTE

LOCATING
LINE

NOTE: EACH MOUNTING IS
FURNISHED WITH A LIST 15,
SHELF ASSEMBLY AND LIST 16,
DIRECTORY HOLDER. SEE TABLE
A FOR COMPLETE DESCRIPTION.

33-1/2 INCHES
TO FLOOR
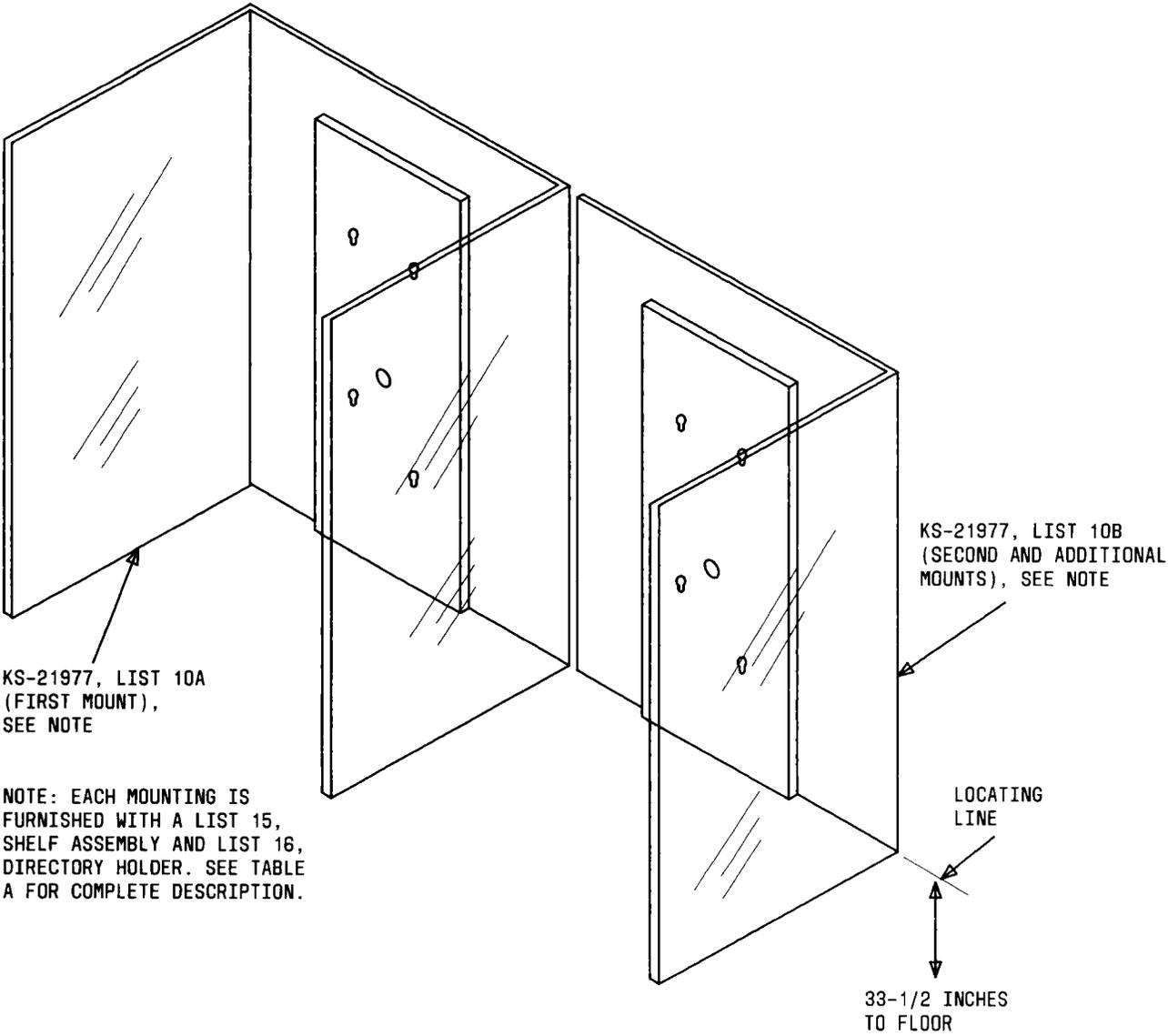
Fig. 5—Wall Mountings, Side-by-Side

KS-21977, LIST 4
POST ASSEMBLY

1/4-20 HEX NUT (FOUR)

STUD (FOUR)

KS-21977,
LIST 25
ADAPTER PLATE

REAR PAN ASSEMBLY
(COMPONENT OF 10A
OR 10B COINLESS
TELEPHONE SET)

FRONT COVER ASSEMBLY
(COMPONENT OF 10A
OR 10B COINLESS
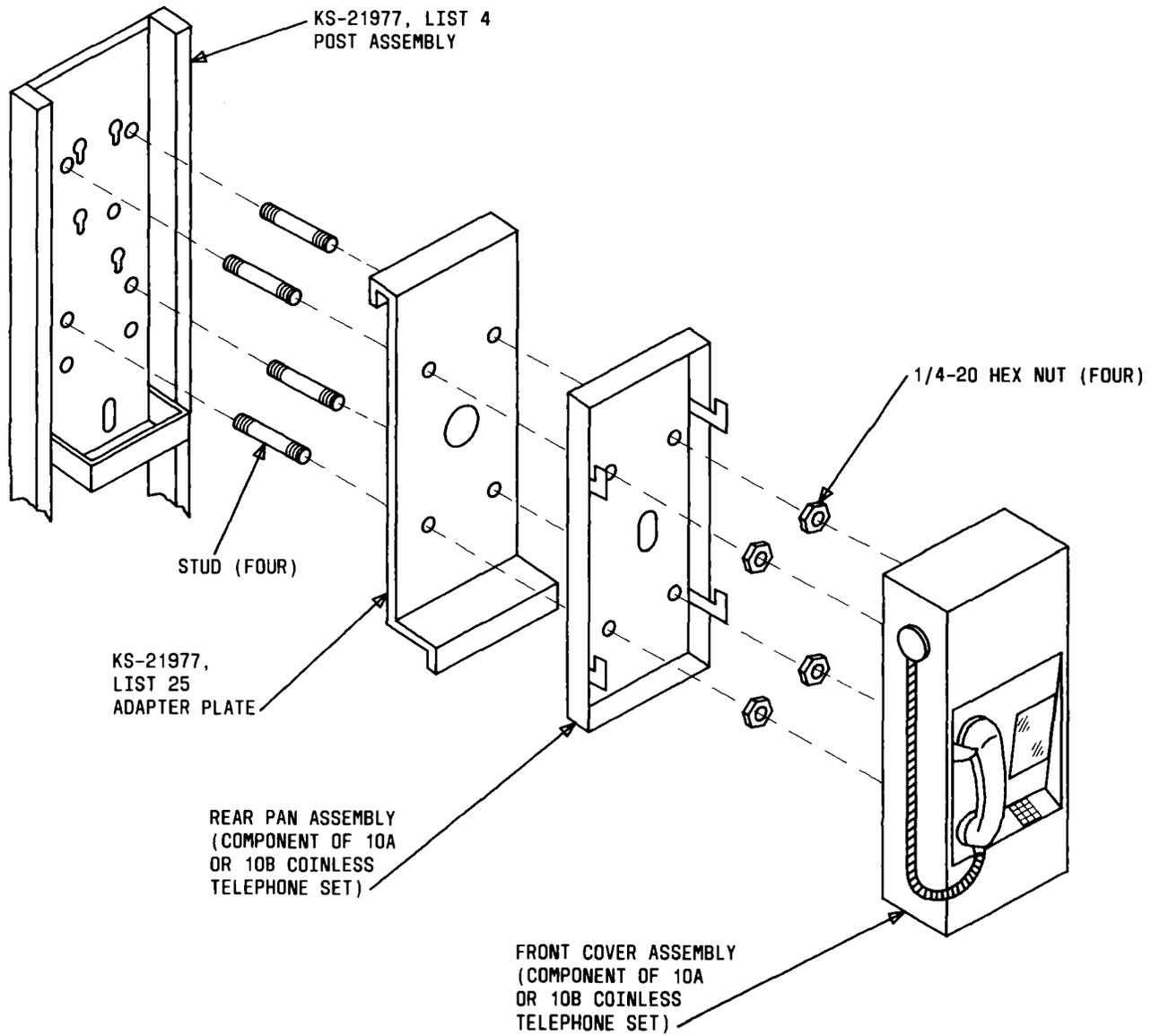TELEPHONE SET)

Fig. 6—KS-21977, List 25 Adapter Assembly for use With 10A or 10B Coinless Public Telephone Set

TABLE A

ORDERING GUIDE
COMPLETE KS-21977 MOUNTING

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

* A List 25 adapter assembly (ordered separately) must be used if a 10A coinless telephone set is to be installed.

TABLE B

FASTENERS USED FOR MOUNTING BACKBOARD TO WALL

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