

COIN TELEPHONE SHELF

KS-20194

1. GENERAL

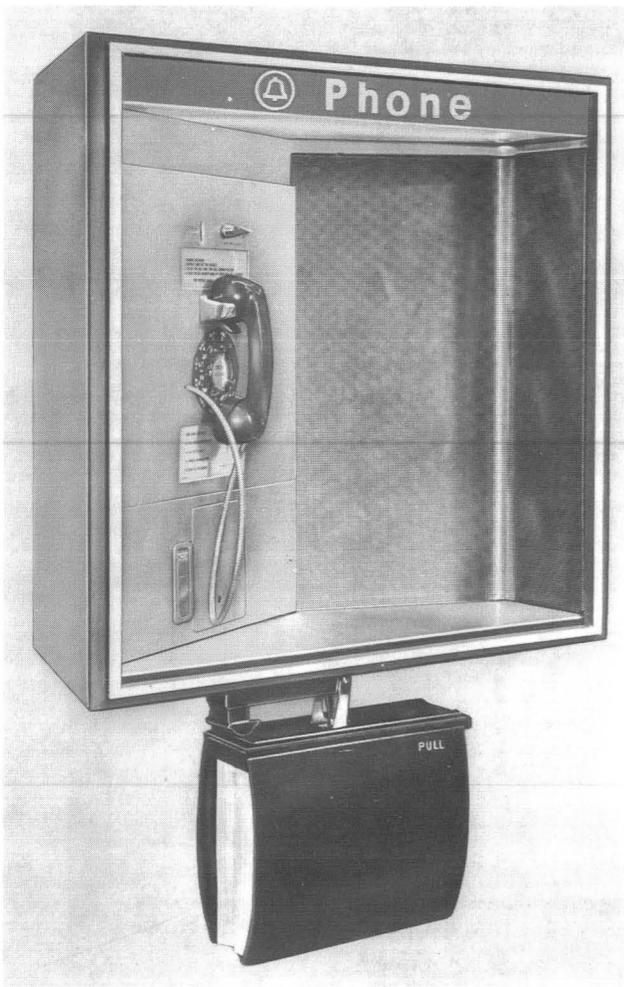
1.01 Information in this section was formerly contained in Section 508-122-100 which is hereby canceled.

1.02 The KS-20194 coin telephone shelf (Fig. 1) is a wedge-shaped wall mount intended for indoor use only.

1.03 It may be installed singly or in various multiple arrangements (Fig. 2).

1.04 The wedge shelf is designed for mounting a 1A/1C/1E-type or 2A/2C-type coin telephone set or a 235/1235-type coin collector in either the left or right rear corner (Fig. 1 and 3).

1.05 The shelf can be surface mounted or recessed in a wall, in single, or multiple installations.



**Fig. 1—KS-20194, List 1 Coin Telephone Shelf with
KS-20030, List 5 Directory Hanger**

2. IDENTIFICATION

2.01 The overall dimensions of the shelf are:

- Height—29-1/2 inches
- Width—28 inches when surface mounted or 29-1/2 inches when recessed
- Depth—15-1/2 inches at wide end, 7-1/2 inches at narrow end.

2.02 The basic shelf assembly includes:

- (a) Wooden backboard (Fig. 4) (surface mountings only).
- (b) Metal housing.
- (c) Coin telephone mounting plate.
- (d) Plastic diffuser with Bell System emblem and word phone which surrounds a fluorescent lamp.
- (e) Stainless steel writing shelf.
- (f) Perforated stainless steel interior panel(s) backed with acoustic material.
- (g) Oyster gray finished outer housing (surface mountings only).
- (h) Oxford gray aluminum trim bezel.

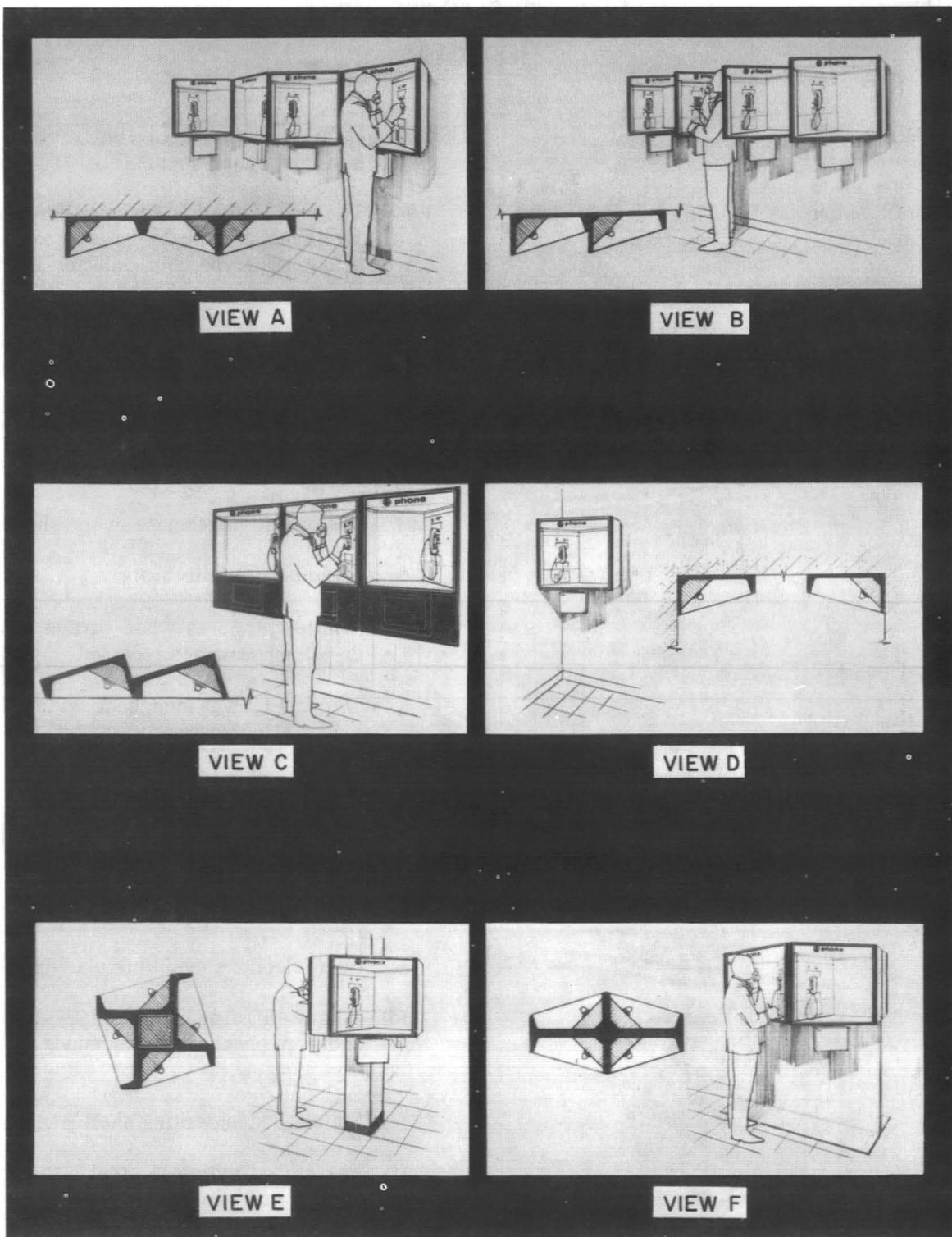


Fig. 2—Various Multiple Arrangements For KS-20194 Shelf



Fig. 3—KS-20194, List 5 Coin Telephone Shelf With 1A-Type Coin Telephone Set and KS-20030, List 5 Directory Hanger

- (i) Lists 1, 2, 3, and 4 shelves contain a light barrier and spacer plate (Fig. 5).
- (j) Lists 5, 6, 7, and 8 shelves contain a 178A backboard.

2.03 Optional equipment includes:

- (a) KS-20030, List 5 directory hanger (Fig. 1):
 - Single binder with clockwise rotation
 - For use with KS-20194, Lists 1, 3, 5, and 7 shelves.
- (b) KS-20030, List 6 directory hanger:
 - Single binder with counterclockwise rotation
 - For use with KS-20194, Lists 2, 4, 6, and 8 shelves.

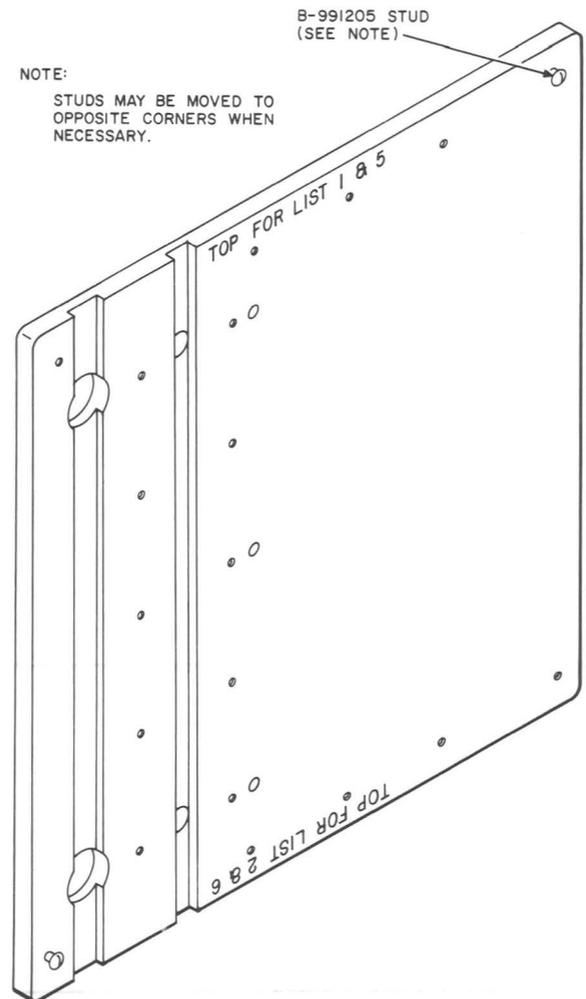


Fig. 4—B-991082 Backboard Assembly

- (c) KS-20194, List 10 directory dress panel (Fig. 6):
 - For use with Lists 3, 4, 7, and 8 shelves (recessed) when a KS-20030 directory is required.

2.04 Table A describes the basic list numbers.

ORDERING INFORMATION

- 2.05** List numbers (except List 21 and 22) must be specified as required (Table A) plus accessories as shown in the following examples of typical orders:

Example I: Left-hand surface mount for 2C-type coin telephone set

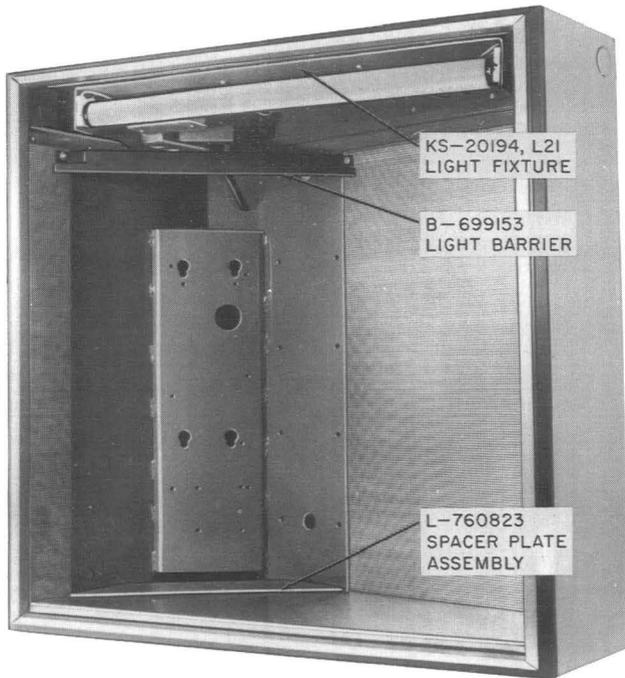


Fig. 5—Typical Housing For List 1, 2, 3, and 4 Shelf

1—Coin telephone shelf—KS-20194, List 1

1—Directory hanger—KS-20030, List 5

Example II: Right-hand recessed mount for 2C-type coin telephone set

1—Coin telephone shelf—KS-20194, List 4

1—Directory dress panel—KS-20194, List 10

1—Directory hanger—KS-20030, List 6

Example III: Left-hand surface mount for 1C-type coin telephone set

1—Coin telephone shelf—KS-20194, List 5

1—Directory hanger—KS-20030, List 5

1—Diffuser—KS-20194, List 13

3. INSTALLATION

3.01 Shelf location should be:

- Within full view of public

- Readily accessible to customer
- Free of such hazards as broken or uneven flooring.

3.02 Ensure that wall will provide a secure mounting for the shelf.



The shelf is packaged completely assembled [except the spacer plate assembly (Fig. 5) is packaged separately] and must be partially disassembled before it can be installed.

3.03 Remove the following items from the housing in the sequence listed below:

- (a) Trim assembly (located between the diffuser and perforated panels). Loosen No. 10-32 by 1/2 hex socket head cap screw through hole provided in end of trim.
- (b) Diffuser.
- (c) Lamp.
- (d) It will be necessary to remove the light barrier from Lists 3 and 4 shelves.
- (e) It will be necessary to remove the perforated panels from all recessed units (Lists 3, 4, 7, and 8)



(a) The wooden backboard for surface mounted shelves (Fig. 4) is provided with a 4-inch diameter hole in the upper left corner (for List 1 or 5 shelves) or in the upper right corner (for List 2 or 6 shelves). The purpose of this hole is to position over an electrical socket and eliminate exposing the electrical cable.



(b) The wooden backboard also has two grooves (cable runs) on the front side. These grooves permit telephone and electrical wiring to run above or below shelf.



(c) If the backboard is to be installed over an electrical receptacle.

TABLE A
KS-20194 COIN TELEPHONE SHELF
ORDERING GUIDE

LIST NO.	DESCRIPTION	REMARKS
1	Shelf, surface mounted (Fig. 1)	For left-hand mounting of 235-/1235-type coin collector or 2A-/2C-type coin telephone set
2	Shelf, surface mounted	For right-hand mounting of 235-/1235-type coin collector or 2A-/2C-type coin telephone set
3	Shelf, recess mounted	For left-hand mounting of 235-/1235-type coin collector or 2A-/2C-type coin telephone set
4	Shelf, recess mounted	For right-hand mounting of 235-/1235-type coin collector or 2A-/2C-type coin telephone set
5	Shelf, surface mounted (Fig. 3)	For left-hand mounting of 1A-/1C/1E-type coin telephone set
6	Shelf, surface mounted	For right-hand mounting of 1A-/1C/1E-type coin telephone set
7	Shelf, recess mounted	For left-hand mounting of 1A-/1C/1E-type coin telephone set
8	Shelf, recess mounted	For right-hand mounting of 1A-/1C/1E-type coin telephone set
10	Panel, directory dress (Fig 4)	For use with List 3, 4, 7, or 8 shelves in conjunction with directory hanger
11*	Diffuser, white letters on blue background	For use with List 1, 3, 5, and 7 shelves
12*	Diffuser, white letters on blue background	For use with List 2, 4, 6, and 8 shelves
13	Diffuser, blue letters on white background	For use with List 1, 3, 5, and 7 shelves
14	Diffuser, blue letters on white background	For use with List 2, 4, 6, and 8 shelves
15	Diffuser, white with no letters	For use with List 1, 3, 5, and 7 shelves
16	Diffuser, white with no letters	For use with List 2, 4, 6, and 8 shelves
21	Light Fixture Assembly (Fig. 7)	For use with List 1, 3, 5, and 7 shelves
22		For use with List 2, 4, 6, and 8 shelves

* Lists 11 and 12 diffusers are furnished unless otherwise specified.

(1) Use the backboard as a marking template and mark the spot where the receptacle is to be installed; or

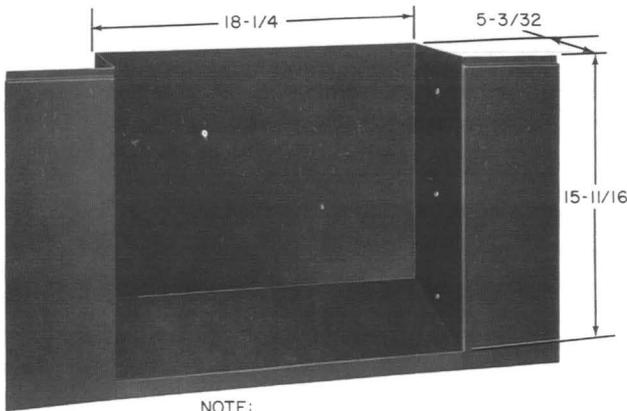
(2) Locate the center point for the electrical receptacle per Fig. 8.



(d) If the shelf is to be installed in a corner (View D, Fig. 2), allow 3-3/4 inches from adjacent wall to edge of backboard to accommodate the shelf housing when it is mounted over the backboard.



(e) Holes are not provided in the backboard for mounting to the wall. At least nine fasteners are recommended and the wall will determine the location the holes are to be drilled.



NOTE:
ALL DIMENSIONS SHOWN ARE IN INCHES.

Fig. 6—KS-20194, List 10 Directory Dress Panel

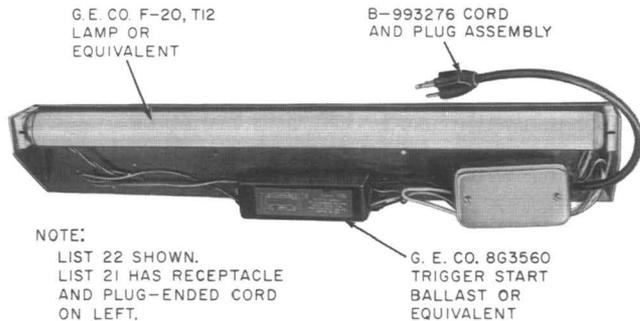


Fig. 7—Light Fixture

3.04 An electrical receptacle is provided in the top portion of each shelf housing. The lamp cord, and if applicable, and adjacent shelf cord is plugged into the receptacle. From this receptacle box runs a 5-foot plug-ended electrical cord for plugging into a power socket.

3.05 Install housing for a List 1, 2, 5, or 6 shelf (surface mounted) as follows:

- (a) Lay out and mark locations on the backboard for drilling mounting holes. Ensure that backboard is positioned correctly for the list number housing being installed. Backboard shall be 46-7/8 inches from floor (Fig. 8).
- (b) Refer to Table B and drill holes in the backboard and wall to accept the fasteners specified.
- (c) Countersink the drilled holes in backboard for flat head screws.
- (d) Install backboard on wall using appropriate fasteners.
- (e) Position plug-ended cord in cable run of wooden backboard, if applicable, and hang shelf on the two backboard studs. Studs may be moved to opposite corners if necessary.
- (f) Knockouts are provided in ends of housing for running electrical cable from shelf to shelf in multiple installations.
- (g) Secure housing to backboard using thirteen 1/4-20 by 11/16 RHM screws. Screws are furnished.

3.06 Install housing for a List 3, 4, 7, or 8 shelf (recess mounted) as follows:

- (a) Refer to Fig. 9 and 10 for dimensions and cut hole in wall to accept housing. Minimum depth shall be 15-1/2 inches.
- (b) If a KS-20194, List 10 directory dress panel is required, cut a hole in wall below the shelf cutout to accommodate this panel. Refer to Fig. 6 and 10 for dimensions. Minimum depth shall be 5-1/4 inches.

Note: Three mounting holes are provided in each side of the directory dress panel for securing it to the mounting surface. Provide

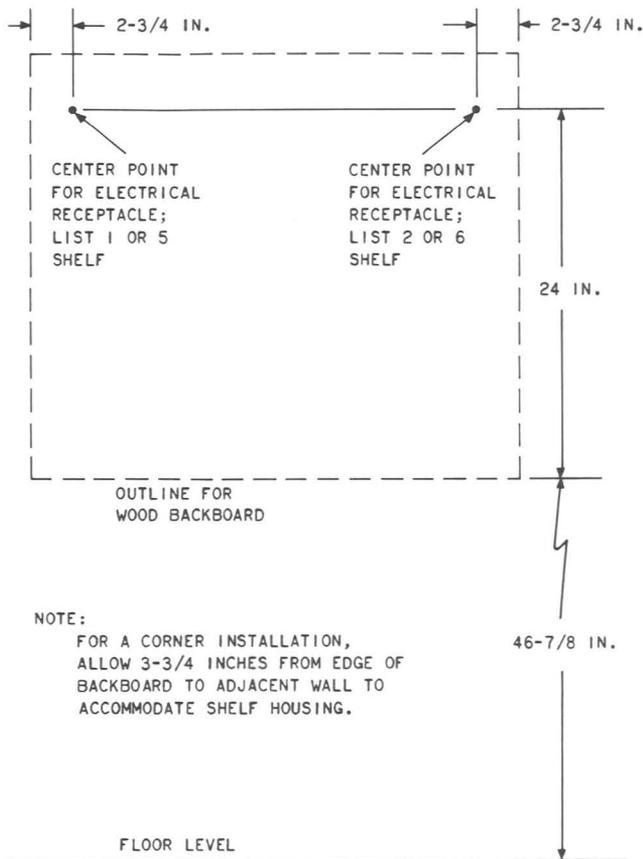


Fig. 8—Locating The Hole For Electrical Receptacle Behind Backboard

mounting blocks or a suitable framework for this purpose.

(c) Install housing in cutout and secure it to walls. Thirteen mounting holes are available in back of housing and four holes are available at each end behind perforated panels (Fig. 9). Housing should be made level by shimming. Use fasteners specified in Table B.

(d) If applicable, install List 10 directory dress panel in wall under the housing (Fig. 11) using six No. 10 FH wood screws or equivalent.

3.07 If applicable, install the perforated panels, L-760823 spacer plate assembly, and B-699153 light barrier (Fig. 5).

Note 1: The spacer plate assembly is packaged separately.

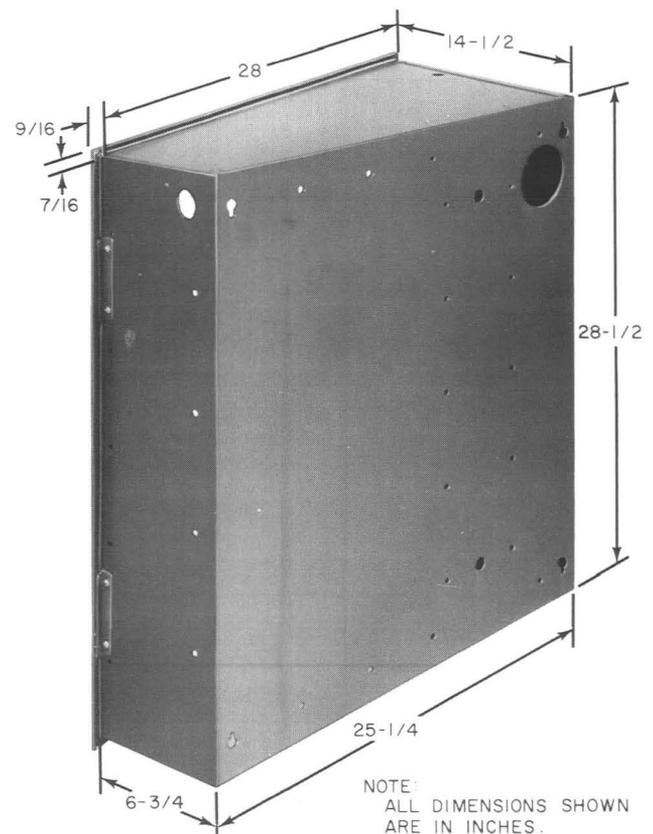


Fig. 9—Rear View of Housing

Note 2: Tighten the light barrier mounting screws only enough to ensure a good installation. The light barrier should be left floating so it can rest snug on top of the panel phone.

3.08 A 2-inch hole is provided in the backboard for telephone wire entrance. When recessed, this service may enter through knockouts along top of shelf housing.

3.09 Install the coin telephone set. If this is a surface mount, utilize the groove (wire run) in the wooden backboard for incoming telephone wiring. If installing a 1A/1C/1E-type set, use the 178A backboard (finished).

3.10 Install the lamp and diffuser.

3.11 Install trim assembly between diffuser and coin telephone set.

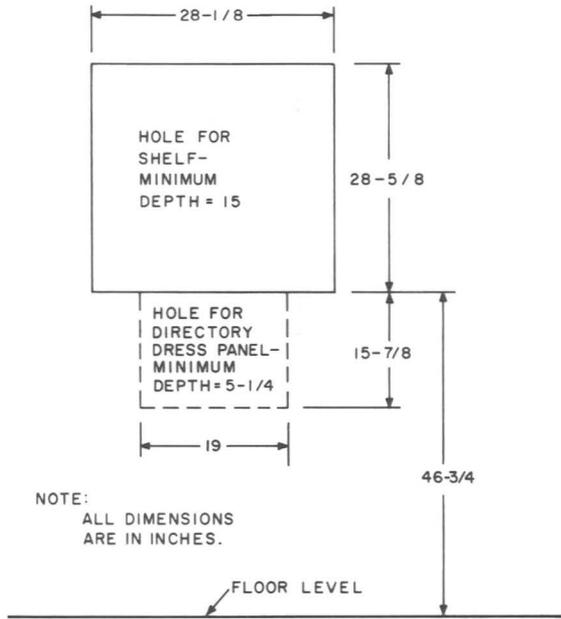


Fig. 10—Layout For Cutting Hole in Wall

Note: Start trim on side opposite telephone and work across to other side.

3.12 Secure trim assembly B-699159 (for Lists 1, 2, 3, and 4 shelves) or L-760625 (for Lists 5, 6, 7, and 8 shelves) retainer and one No. 10-32 by 1/2 hex socket head cap screw.

DIRECTORY HANGER

3.13 Mounting holes are provided under the shelf for a KS-20030 directory hanger. Refer to Section 508-710-102 for additional information on the directory hanger.

4. MAINTENANCE

4.01 The local telephone company shall establish the appearance standards of all exposed surfaces.

4.02 The local telephone company shall establish the safety standards for all coin telephone shelves.

4.03 Replace any part of the shelf which does not meet local telephone company standards.

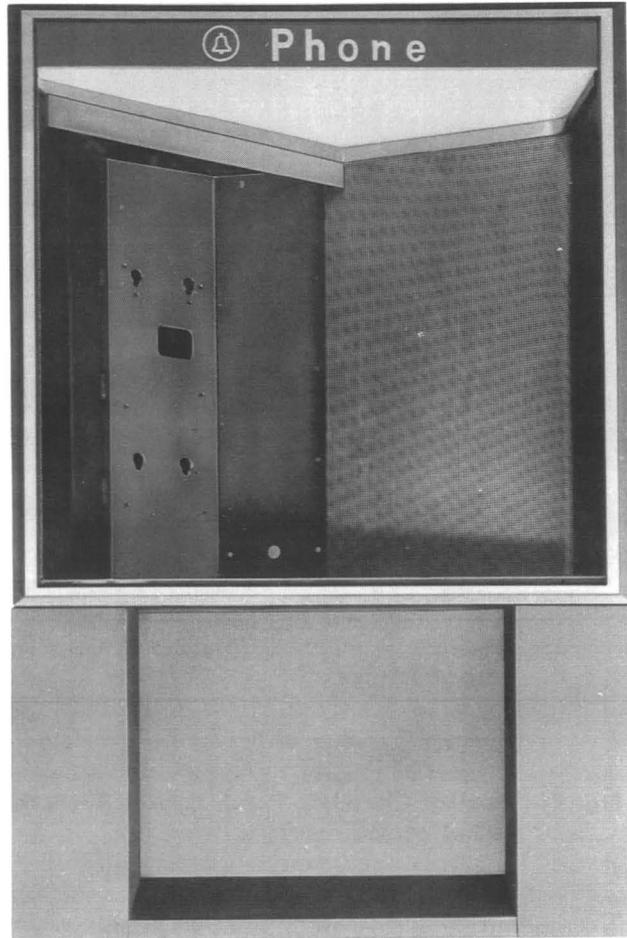


Fig. 11—List 1 Housing With List 10 Panel

4.04 Inspect the approach to the shelf and ensure that it is free of all hazards.

4.05 Ensure that all visible screws are secure.

4.06 Clean the shelf in accordance with Section 508-100-101.

4.07 Refer to Table C for replacement parts.

TABLE B
FASTENERS USED FOR MOUNTING BACKBOARDS

MOUNTING SURFACE	HOLE SIZE REQUIRED IN BACKBOARD	HOLE SIZE REQUIRED IN WALL	SIZE AND TYPE FASTENER
Soft wood or Hard wood	7/32	1/8 or No. 30	1-3/4-inch No. 14 FH tapping screw
Masonry* (Concrete, Brick)	5/16	5/8	5/16 by 2-inch expansion shield with 5/16 by 2-3/4-inch machine screw
Lath and plaster†	7/32	1/8 or No. 30	2-3/4-inch No. 14 FH wood screw (fastener must be embedded in stud 1 inch)
Plaster, cinder block, hollow tile, metal lath, plaster-board	5/16	1 inch	5/16 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.

TABLE C
REPLACEMENT PARTS

NAME	PART NO.		REMARKS
Acoustic Material	B-699168		Small For List 1, 2, 3, or 4 housing
	B-699169		Large
	L-760800		Small For List 5, 6, 7, or 8 housing
	L-760801		Large
Diffuser			See Table A
Lamp	GE Co. No. F20T12 or equivalent		2-foot long, 20 watt
Light Barrier	B-699153		For List 1, 2, 3, or 4 housing
Light Fixture	KS-20194	List 21	Use with Lists 1, 3, 5, and 7 shelves
		List 22	Use with Lists 2, 4, 6, and 8 shelves
Panel, Inner	B-699160		Small For List 1, 2, 3, or 4 housing
	B-699161		Large
	L-760776		For List 5 housing
Retainer	B-699159		Use with B-699158 trim assembly
	L-760625		Use with B-760799 trim assembly
Trim Assembly	B-699158-1		Use with Lists 1 and 3 housings
	B-699158-2		Use with Lists 2 and 4 housings
	L-760799		Use with Lists 5, 6, 7, and 8 housings