

KS-22665 "STYLISTIC*" PUBLIC TELEPHONE ENCLOSURE IDENTIFICATION, INSTALLATION, AND MAINTENANCE

1. GENERAL

1.01 This section provides information on the KS-22665 STYLISTIC public telephone enclosures (Fig. 1 through 6).

1.02 Whenever this section is reissued, the reason(s) for reissue will be listed in this paragraph.

1.03 The KS-22665 STYLISTIC enclosure is available in wall- and floor-mounted units for 1-, 2-, and 3-type coin telephone sets or 10- and 20-type coinless telephone sets.

2. IDENTIFICATION

2.01 The enclosures are available with or without directory facilities, with a flat or sloped writing shelf.

2.02 Refer to Table A for list numbers of the basic enclosures.

2.03 The enclosures are available in combinations of black, blue, and bronze finishes (Table B).

2.04 Wing assemblies are available for use on the right, left, or both sides. Full length wing assemblies are available for floor-mounted enclosures. Short and intermediate wing assemblies are available for wall-mounted or floor-mounted enclosures. Refer to Table C for wing assemblies.

2.05 The full length wing assemblies extend 18 inches in front of the enclosure while the short and intermediate wing assemblies extend only 14 inches.

2.06 The wing assemblies are available in combinations of black or bronze frames with either gray, clear, or bronze colored tempered glass (Table D). The glass includes a handset symbol.

* Trademark of Western Electric

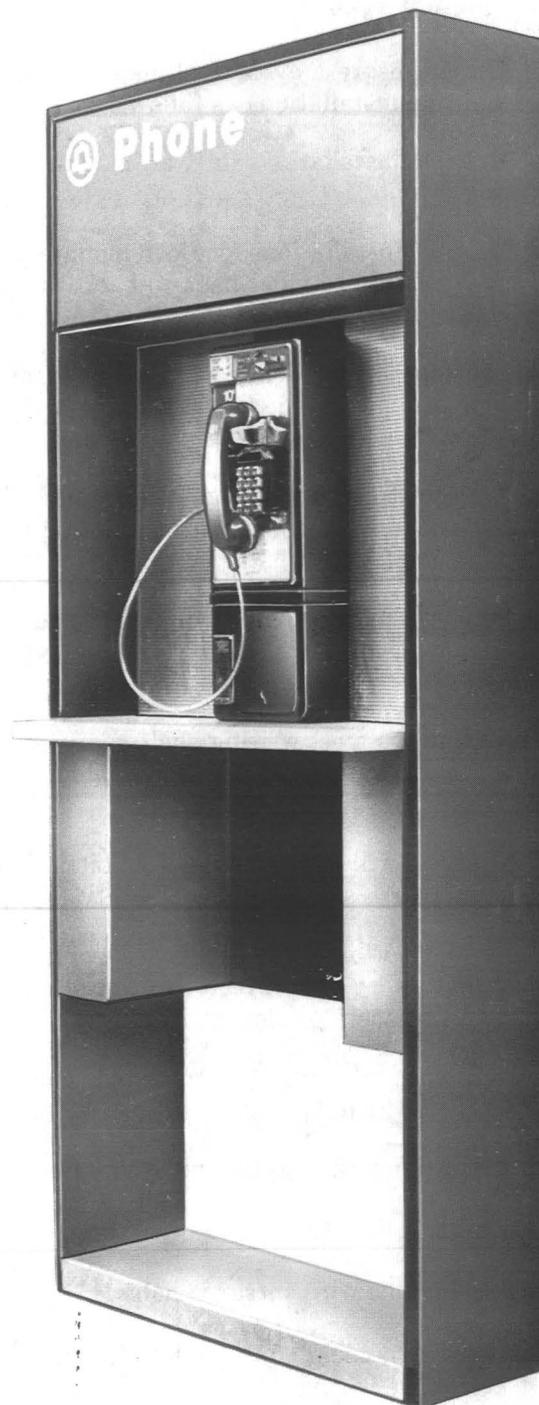


Fig. 1—KS-22665, List 3 STYLISTIC Enclosure

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement

SECTION 508-261-100

2.07 A KS-22665, List 110 sloped top (Fig. 6) is available in either black (KS-22665, List 98 finish) or bronze (KS-22665, List 99 finish).

2.08 Overall dimensions of the enclosures are shown in Table E.

2.09 The enclosure may be installed in single or multiple installations as follows:

- (a) Multiple installations for wall mountings are side-by-side.
- (b) Multiple installations for floor-mounted units may be side-by-side, back-to-back, or other configurations as shown in Fig. 7.

2.10 The top portion of the enclosure contains a sign panel with the words Charge-a-Call or the Bell System emblem and the word Phone.

2.11 A 20-watt fluorescent lamp is located above the phone to furnish lighting for the phone and writing shelf.

2.12 Different panels are used on either side of the telephone set to accommodate the type set being used.

2.13 A stainless steel writing shelf spans the full width of the enclosure and is available in a flat or sloped surface.

2.14 The shelf will accept a KS-20030, List 1, List 2, List 11, or List 12 directory facility.

2.15 Various bottom front panels are available for compatibility with directories, without directories, with flat shelf, or sloped shelf.

2.16 The base of the floor-mounted enclosure provides the following:

- Holes for securing the unit to the floor
- Leveling devices
- Two 2-inch wire entrance holes
- Wire channels for both electrical and telephone wiring

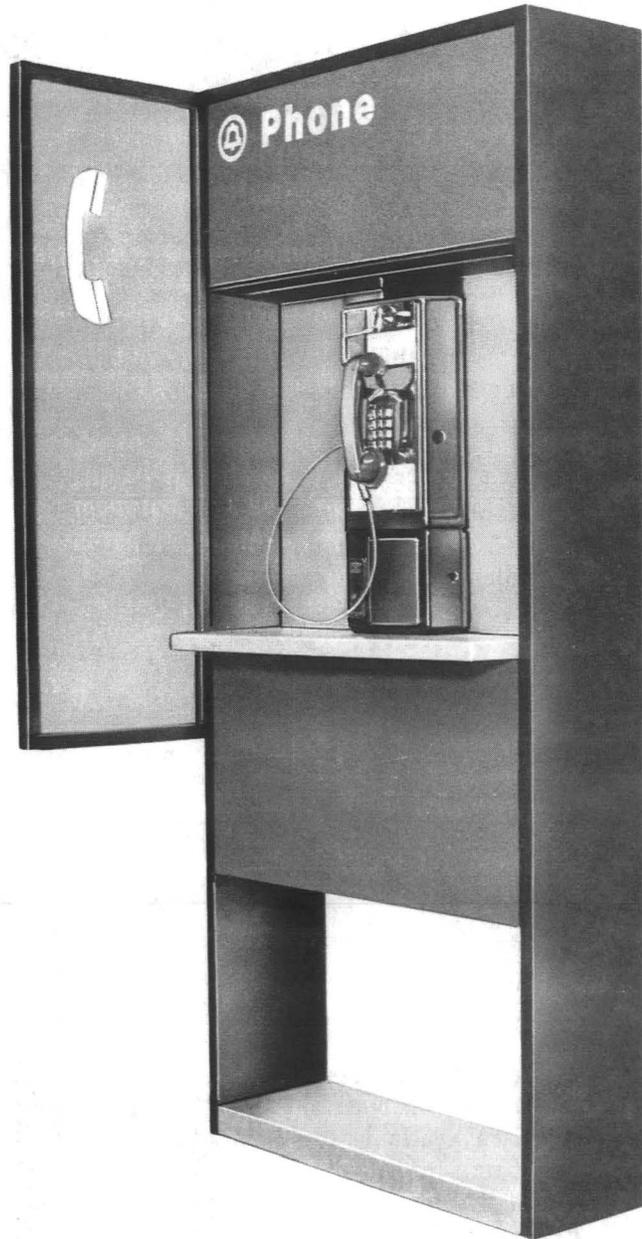


Fig. 2—KS-22665, List 1 STYLISTIC Enclosure With KS-22665, List 103 Wing Assembly

- An electrical junction box
- A stainless steel base cover.

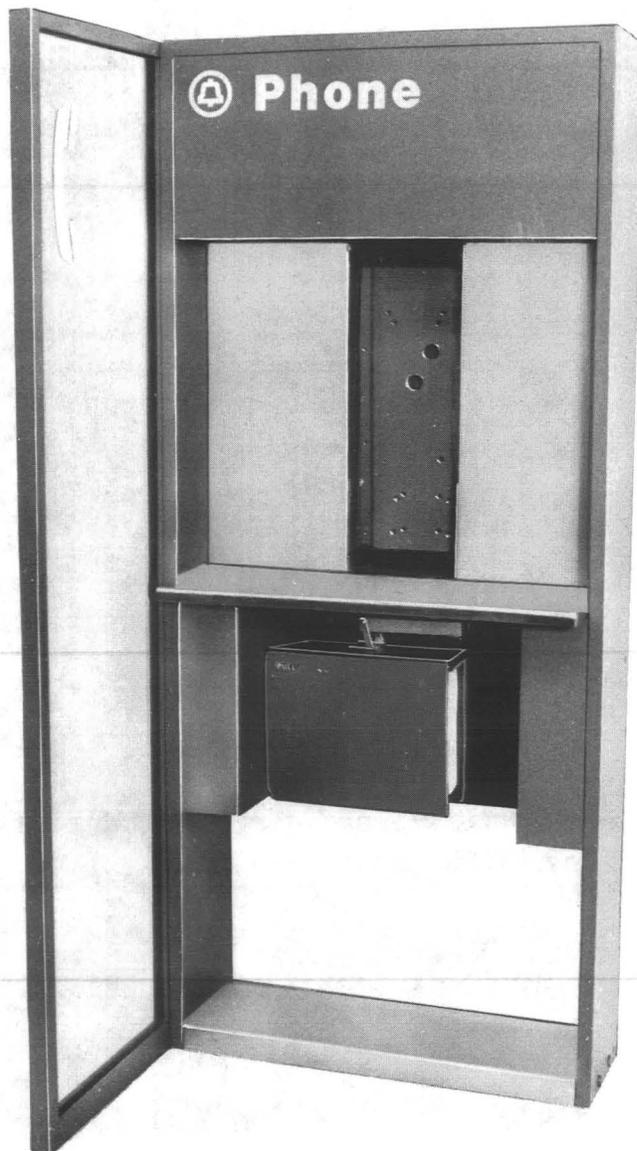


Fig. 3—KS-22665, List 3 STYLISTIC Enclosure With KS-22665, List 101 Wing Assembly

2.17 In a floor-mounted enclosure, the unit is prewired from the junction box to an electrical outlet located adjacent to the light fixture.

2.18 The rear cover panel of a wall enclosure contains 12 mounting holes for mounting to a wall. In addition to the mounting holes are the key-hole slots for aiding the installation.

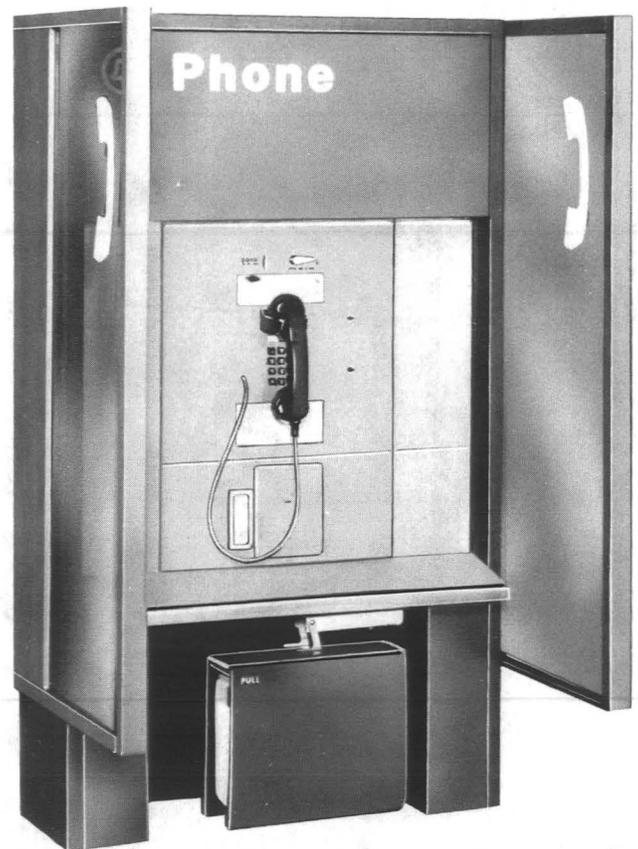


Fig. 4—KS-22665, List 47 STYLISTIC Enclosure With KS-22665, List 102 and List 103 Wing Assemblies

3. INSTALLATION

3.01 Location of public telephone enclosures should be as follows:

- (a) Readily accessible, well lighted, and in full view of the public
- (b) Free of such hazards as broken or uneven surfaces
- (c) Clear of wall switches, outlets, fuse boxes, vents, etc
- (d) In locations with adequate space to permit access for maintenance
- (e) In areas free of potential hazards.

A. Wall Mount

Note: If the enclosure is to be wired from the rear, ensure that the telephone and electrical



Fig. 5—KS-22665, List 9 STYLISTIC Enclosure With KS-22665, List 101 Wing Assembly

outlet boxes are properly located. The horizontal center line of the electrical box should be 64 inches above the floor. The horizontal line for the telephone box should be 47-1/4 inches from the floor. Both boxes shall be on the same vertical line.

3.02 The wall mount must be disassembled in order to mount it properly. This is accomplished as follows.



Fig. 6—KS-22665, List 43 STYLISTIC Enclosure With a KS-22665, List 110 Sloped Top

(a) Gain access to one 5/16-18 by 3/4 Phillips roundhead screw in each of the lower-rear corners of the enclosure (Fig. 8) as follows:

- (1) Remove two Phillips roundhead screws from each of the bottom front panel(s) (Fig. 9).
- (2) If a large front panel exists, remove two security screws, pull the panel down and

TABLE A
BASIC ENCLOSURES

KS-22665 LIST NO.	TYPE ENCLOSURE	TYPE PHONE	EQUIPPED WITH DIRECTORY	TYPE SHELF
1	Floor Mount	Box Coin Phone	No	Flat
2				Slope
3			Yes	Flat
4				Slope
5		Panel Coin Phone	No	Flat
6				Slope
7			Yes	Flat
8				Slope
9		Box Coinless Phone	No	Flat
10				Slope
11			Yes	Flat
12				Slope
13		Panel Coinless Phone	No	Flat
14				Slope
15			Yes	Flat
16				Slope

out, and lift off. If two small front panels exist, remove two security screws from each panel, pull panels down, slide toward center of enclosure, and lift off.

(b) Gain access to three 5/16-18 by 3/4 Phillips roundhead screws along the top-rear portion of the enclosure (Fig. 10) as follows:

(1) Using a KS-19192, List 1 wrench, turn the two security fasteners, which secure the sign panel, 1/4-turn counterclockwise.

(2) Lower the sign panel, pull forward, and lift off (Fig. 9).

(c) Remove the five 5/16-18 by 3/4 Phillips round-head screws that secure the frame to the rear panel.

(d) Remove rear panel (Fig. 11) from frame.

3.03 Use the rear panel as a marking template.

Place the panel in the position it will be installed on the wall with the top edge 69 inches from the floor. This will allow the coin phone to be installed at the universal coin slot height of 54 inches.

TABLE A (Contd)

BASIC ENCLOSURES

KS-22665 LIST NO.	TYPE ENCLOSURE	TYPE PHONE	EQUIPPED WITH DIRECTORY	TYPE SHELF	
41	Wall Mount	Box Coin Phone	No	Flat	
42				Slope	
43			Yes	Flat	
44				Slope	
45		Panel Coin Phone	No	Flat	
46				Slope	
47			Yes	Flat	
48				Slope	
49		Box Coinless Phone	No	Flat	
50				Slope	
51			Yes	Flat	
52				Slope	
53			Panel Coinless Phone	No	Flat
54					Slope
55				Yes	Flat
56					Slope

3.04 Mark the location for two mounting screws in the small portion of the keyhole slots.

3.05 Set the panel aside.

3.06 **DANGER: Eye injury could occur when drilling.** Refer to Table F for hardware requirements and drill the two marked holes for mounting two locating screws.

3.07 Install the two locating screws in the drilled holes.

3.08 Hang the rear panel on these two screws.

3.09 Using the rear panel as a template, mark the additional 12 holes.

3.10 Set the rear panel aside.

3.11 **DANGER: Eye injury could occur when drilling.** Drill the 12 marked holes.

3.12 Install and secure panel to wall using appropriate hardware per Table F.

3.13 Hang the enclosure frame on the two studs located on top edge of rear panel (Fig. 11).

TABLE B
ENCLOSURE FINISHES

KS-22665 LIST NO.	FRAME	PANELS
80	Black	Bronze
81	Black	Blue
85	Bronze	Bronze

TABLE C
WING ASSEMBLIES

KS-22665 LIST NO.	TYPE ENCLOSURE	SIDE USED	WING LENGTH
100	Floor Mount	Right	Long
101		Left	
102	Wall Mount	Right	Short
103		Left	
104	Floor or Wall Mount	Right	Intermediate
105		Left	

TABLE D
WING ASSEMBLY FINISHES

KS-22665 LIST NO.	FRAME	GLASS
90	Black	Gray
91		Clear
92		Bronze
93	Bronze	Gray
94		Clear
95		Bronze

- 3.14 Allow the frame to hang against wall around rear panel.
- 3.15 Secure frame to panel using five 5/16-18 by 3/4 Phillips roundhead screws removed in paragraph 3.02(c).
- 3.16 Install the sign panel using reverse procedure outlined in paragraph 3.02(b).
- 3.17 Install the lower panel(s) using reverse procedure outlined in paragraph 3.02(a).

B. Floor Mount

Note 1: If underground power and telephone wires are to be used, conduit must be provided prior to installation so as to enter bottom of enclosure at the 2-inch telephone and electrical access holes. If the enclosure is to be wired from the rear, the center line of the horizontal electrical outlet box should be 64 inches from the floor and the horizontal center line of the telephone box should be 47-1/4 inches from the floor. Both boxes shall be on the same vertical line.

Note 2: A KS-20842, List 178 mounting kit (Fig 12) can be used to secure the enclosure to a masonry surface. Six 5/8 by 3 hex head lag bolts can be used to secure the enclosure to a wooden surface. The wooden surface should be a minimum of 2-inches thick.

- 3.18 Using a KS-19192, List 1 wrench, remove three security screws that secure the bottom cover. Remove bottom cover to make mounting holes accessible (Fig. 9).
- 3.19 Place enclosure in the exact position it is to be installed.
- 3.20 Mark the location for six mounting holes.
- 3.21 Move the enclosure aside.

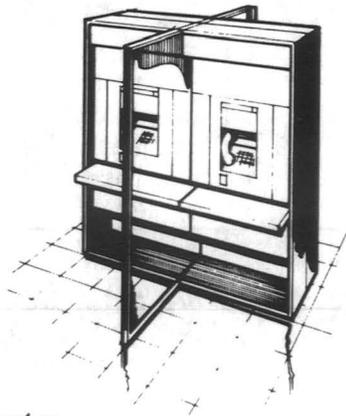
Masonry Surfaces

- 3.22 **DANGER: Eye injury could occur when drilling.** Using a 5/8-inch masonry drill bit, drill the six marked holes to a depth of 2 inches.
- 3.23 Insert the six drop-in anchors from the KS-20842, List 178 mounting kit using a Hilti HSD12 setting tool or equivalent.

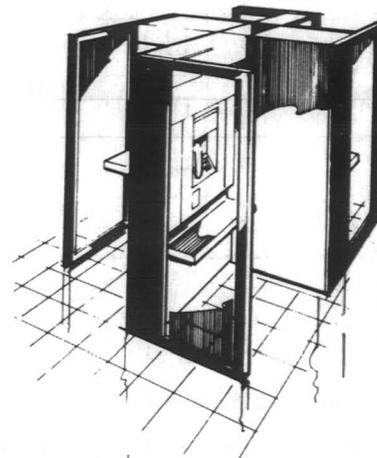
TABLE E
DIMENSIONS

TYPE ENCLOSURE	HEIGHT	WIDTH	DEPTH
Floor Mount	70 inches	30 inches	9-1/2 inches*
Wall Mount	52-1/4 inches		

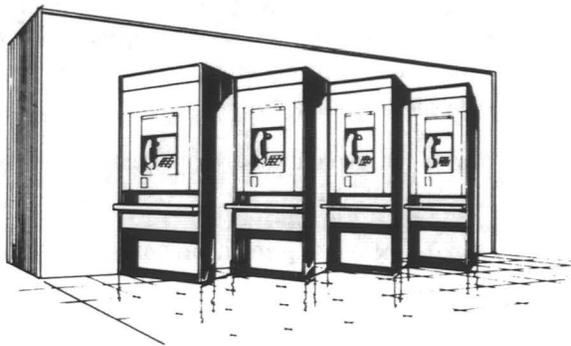
* Does not include wings.



Four Position Cluster



Star Formation



Zigzag Configuration

Fig. 7—Various Installation Arrangements

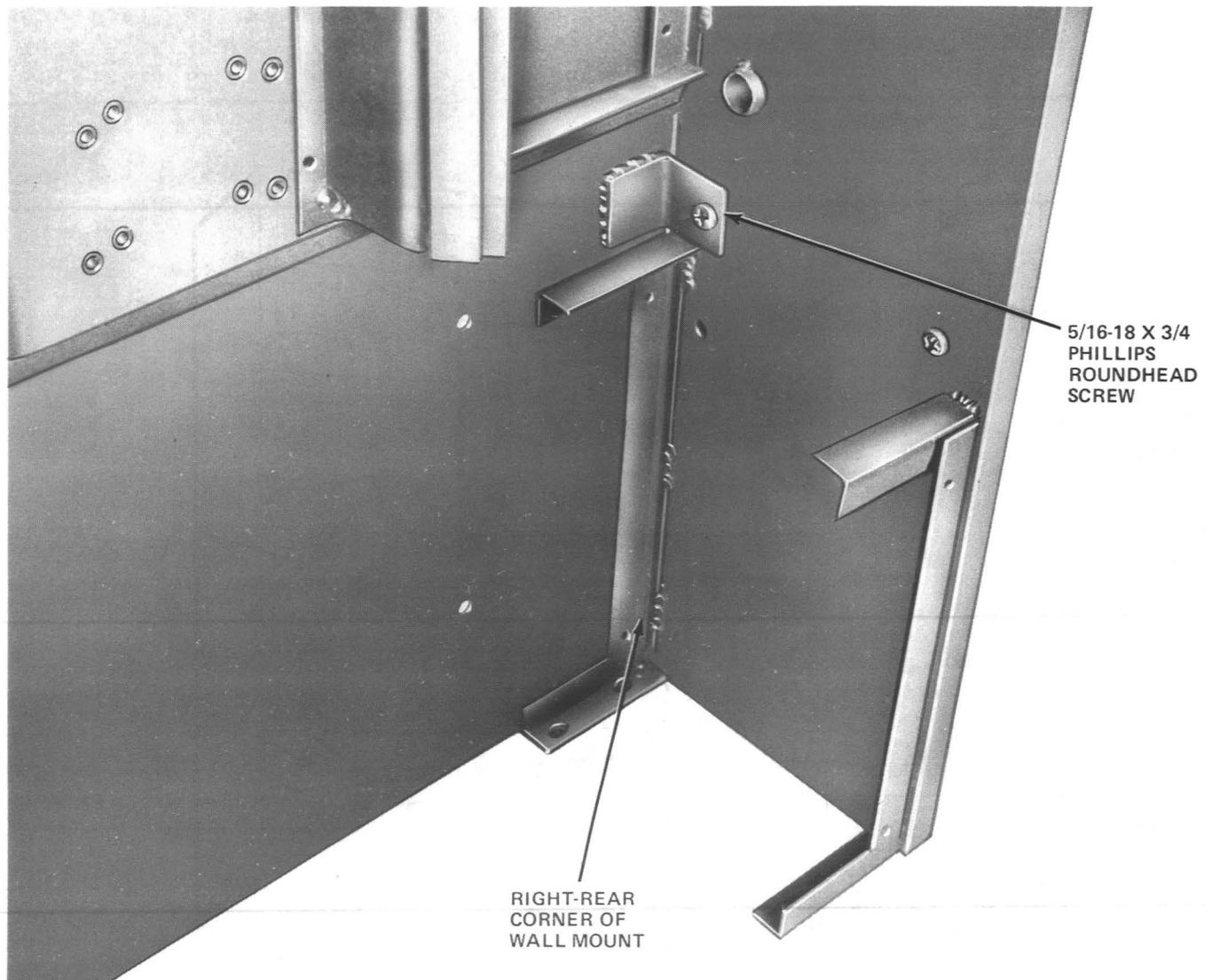


Fig. 8—Lower-Right Portion of Wall Mount

3.24 Adjust the four leveling screws as necessary and verify that the enclosure is level.

3.25 Secure the enclosure to the anchors using six 1/2-13 by 1 hex head bolts and six 1/2-inch plain washers from the KS-20842, List 178 mounting kit.

Wooden Surfaces

3.26 **DANGER: Eye injury could occur when drilling.** Using a 1/2-inch wood drill bit, drill the marked holes to a depth of 2 inches.

3.27 Adjust the four leveling screws as necessary and verify that the enclosure is level.

3.28 Secure the enclosure to the floor using six 5/8 by 3 hex head lag bolts.

C. Associated Apparatus

Wing Assemblies

3.29 Refer to Tables C and D for availability.

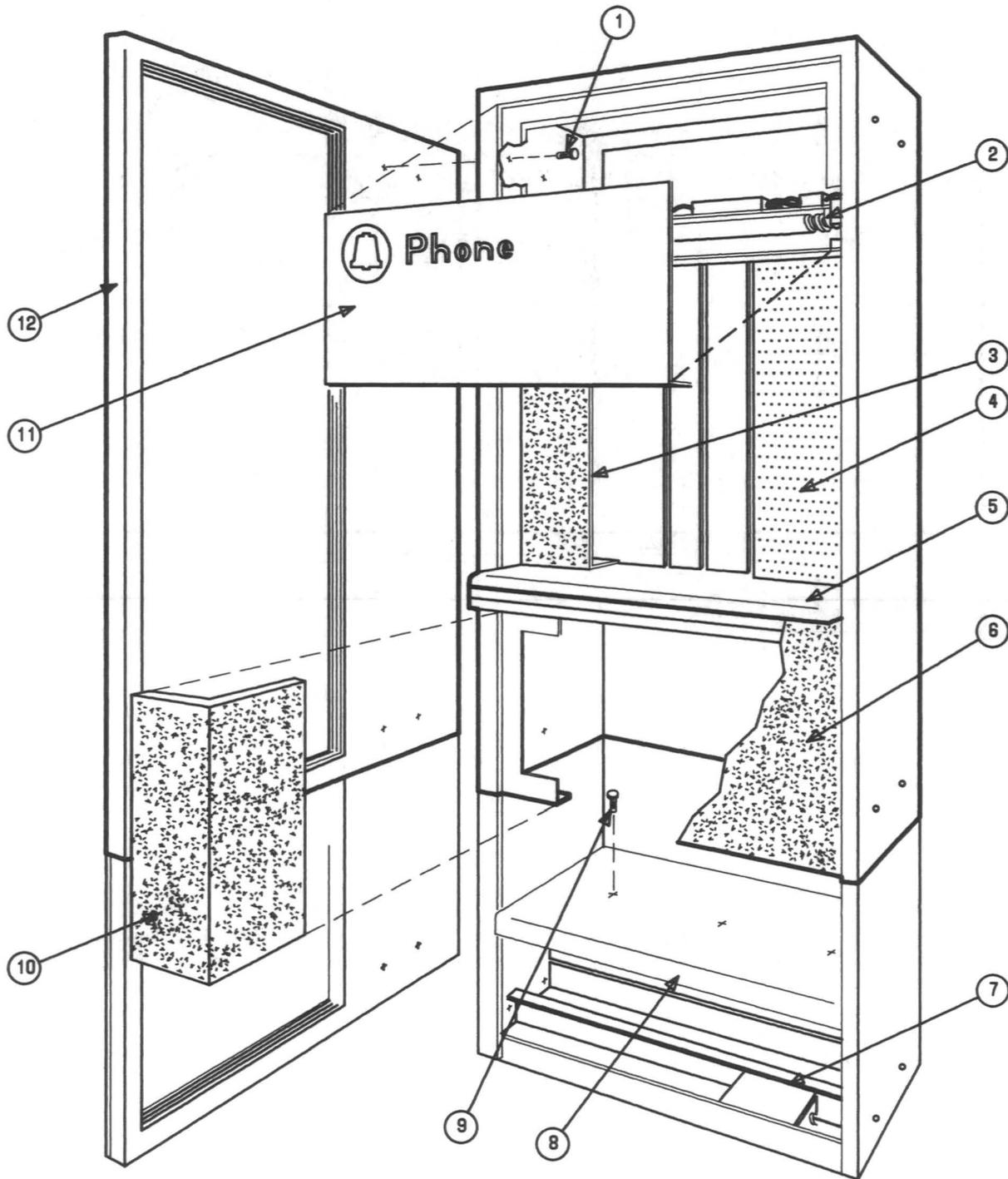


Fig. 9—Assembly/Disassembly of Parts (Sheet 1 of 2)

- 1 — 5/16-18 x 3/4 PHILLIPS ROUNDHEAD SCREW (FOUR FOR SHORT WING AND SIX FOR LONG WING)
- 2 — LIGHT FIXTURE ASSEMBLY
- 3 — CENTER FRONT PANEL FOR BOX SET OR CHARGE-A-CALL SET
- 4 — CENTER FRONT PANEL FOR PANEL SET
- 5 — FLAT SHELF OR SLOPE SHELF
- 6 — BOTTOM FRONT PANEL FOR NONDIRECTORY ENCLOSURE
- 7 — ELECTRICAL JUNCTION BOX
- 8 — BOTTOM COVER
- 9 — SECURITY SCREW (THREE)
- 10 — BOTTOM FRONT PANEL FOR DIRECTORY ENCLOSURE
- 11 — SIGN PANEL WITH PHONE GRAPHICS OR CHARGE-A-CALL GRAPHICS
- 12 — WING ASSEMBLY

Fig. 9—Assembly/Disassembly of Parts (Sheet 2 of 2)

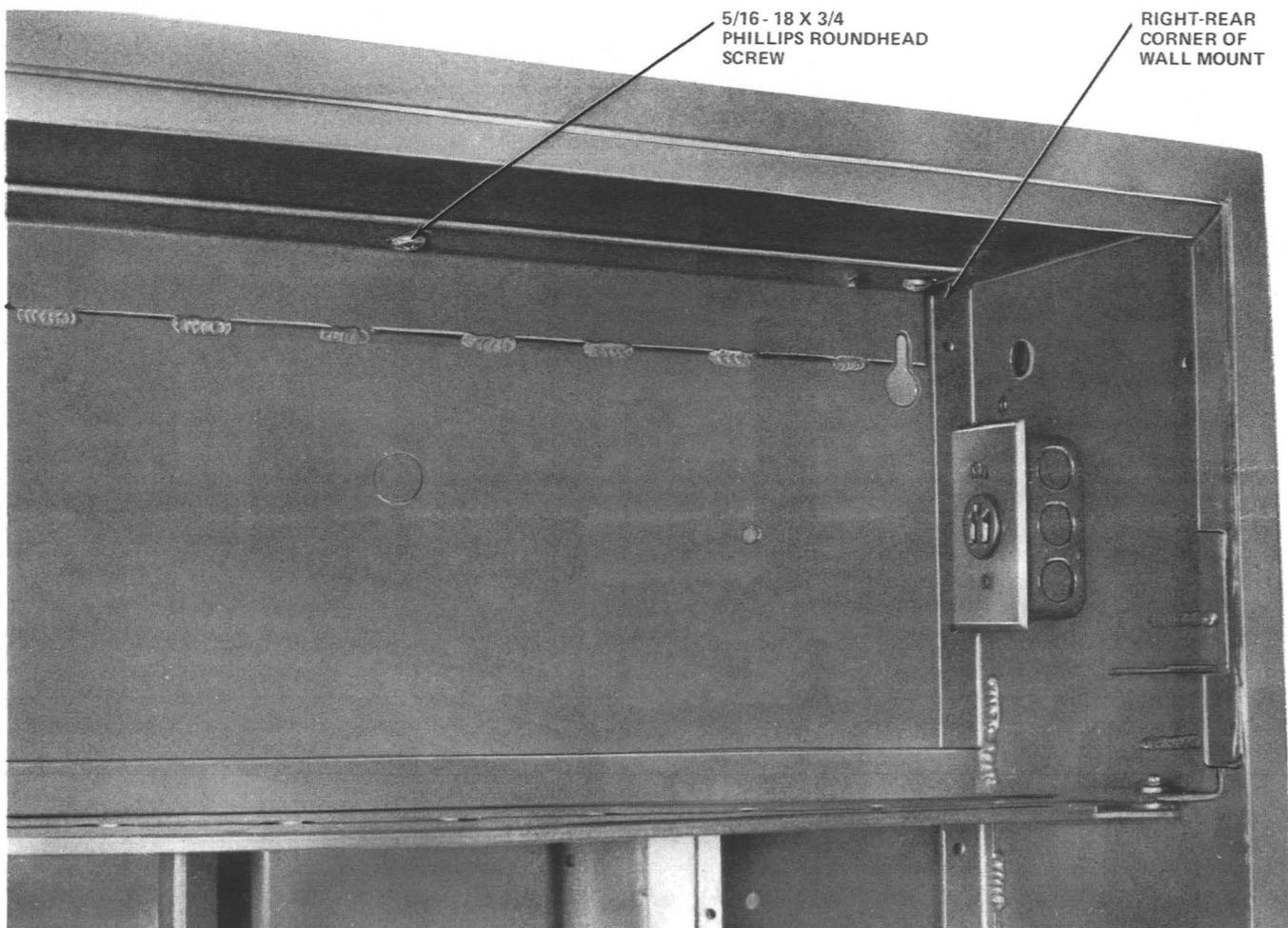


Fig. 10—Top-Right Portion of Wall Mount

3.30 Install short and intermediate wing assemblies as follows (Fig. 9):

- (1) Using a KS-19192, List 1 wrench, turn the two security fasteners which secure the sign panel 1/4-turn counterclockwise.
- (2) Lower the sign panel, pull forward, and lift off.
- (3) Remove the screws that secure the bottom front panel and remove panel.
- (4) Remove four knockout plugs from the enclosure frame.
- (5) Install wing assembly and secure it with four 5/16-18 by 1-3/4 Phillips roundhead screws

and four 5/16-inch flat washers which are furnished.

3.31 Install long wing assemblies as follows (Fig. 9):

- (1) Repeat paragraphs 3.30(1) through 3.30(3).
- (2) Using a KS-19192, List 1 wrench, remove three security screws that secure the bottom cover to frame. Remove cover.
- (3) Remove six knockout plugs from the enclosure frame.
- (4) Install wing assembly and secure it with six 5/16-18 by 1-3/4 Phillips roundhead screws

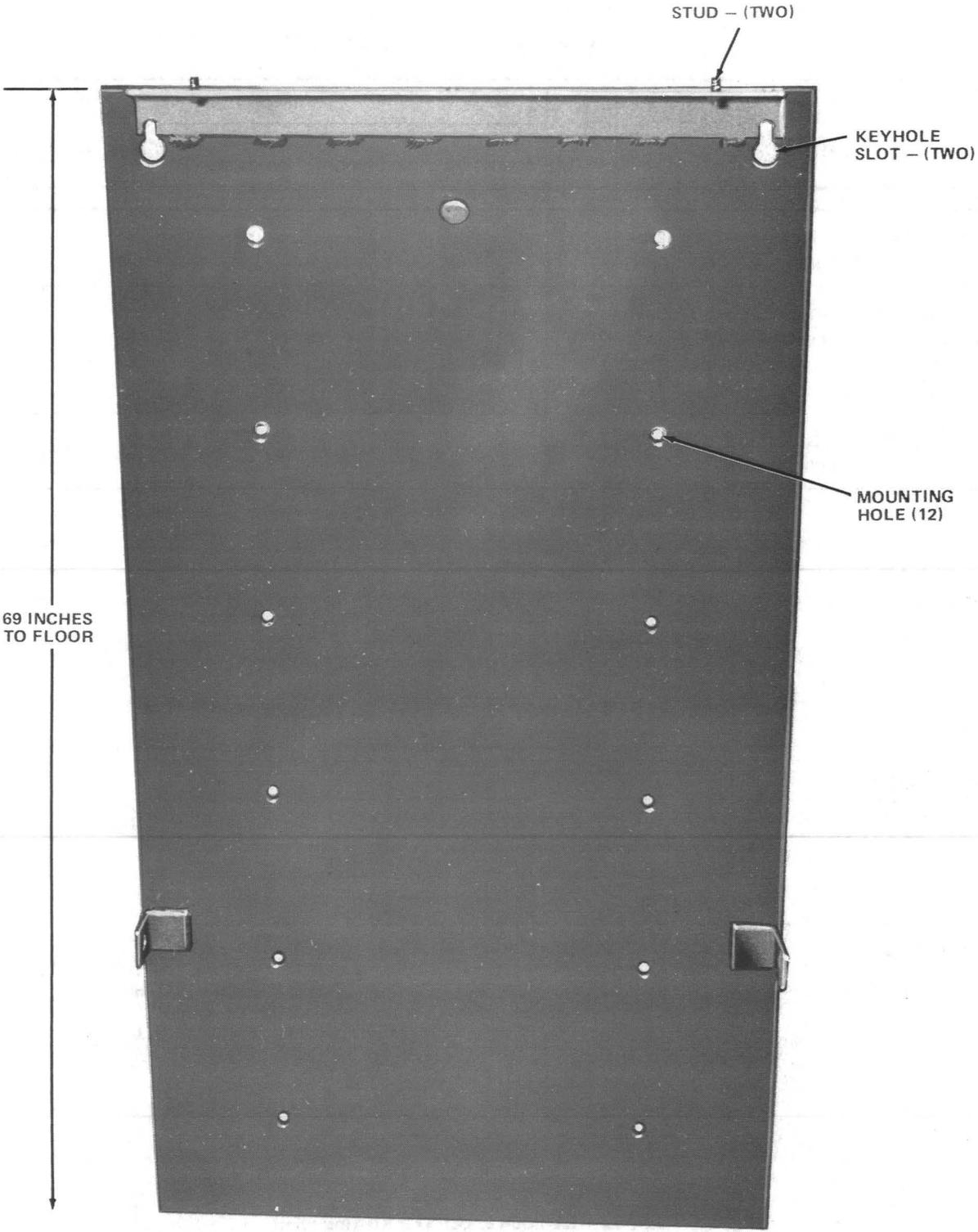


Fig. 11—Rear Panel of Wall Mount

TABLE F

FASTENERS FOR WALL MOUNTINGS

FASTENER	DRILL SIZE	MOUNTING SURFACES				
		SOFTWOOD	HARDWOOD	MASONRY (CONCRETE, BRICK)	CINDER BLOCK, HOLLOW TILE	ALUMINUM STUDS
No. 16 by 1-3/4 tapping screw and 5/16-inch flat washer	3/32	•	•			
5/16-inch by 2-inch hex or round-head machine screw and 5/16-inch expansion shield and 3/8-inch flat washer	5/8			•		
1/4-inch by 4-inch roundhead toggle bolt and 5/16-inch flat washer	3/4				•	•

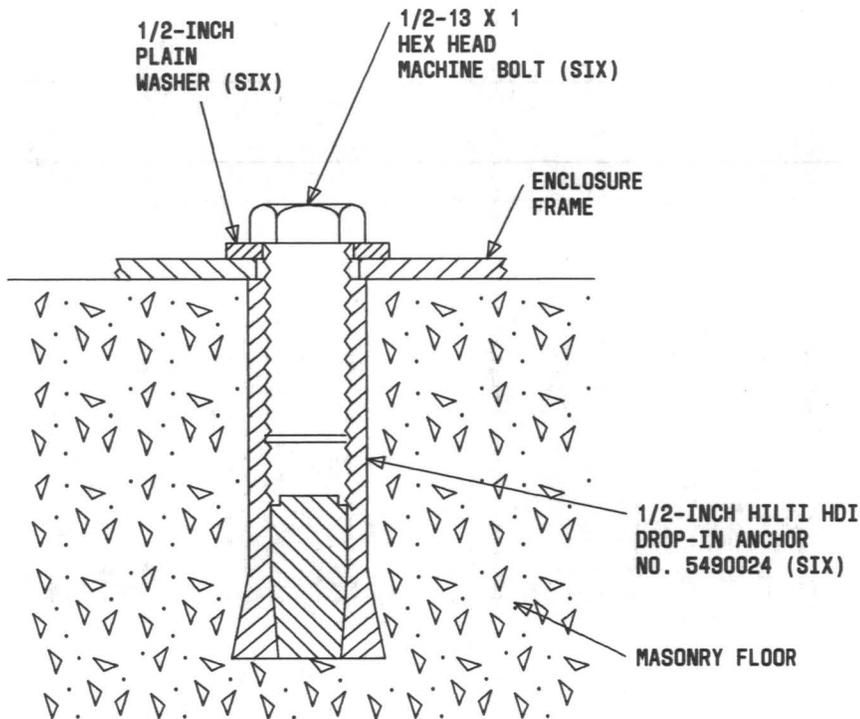


Fig. 12—KS-20842, List 178 Kit (Installed)

and six 5/16-inch flat washers which are furnished.

KS-22665, List 10 Sloped Top

3.32 Install the sloped top as follows:

- (1) Repeat Steps (1) and (2) in paragraph 3.30.
- (2) Remove four knockout plugs from the flat enclosure top.
- (3) Place sloped top on the enclosure and secure it with the four 1/4-20 by 1-1/2 Phillips roundhead machine screws and four 1/4-inch flat washers furnished with the List 10 sloped top.

KS-20030, List 1, List 2, List 11, or List 12 Directory Hangers

3.33 Install the desired directory hanger in accordance with Section 508-710-102.

D. Wiring and Grounding

Note: Under no circumstances shall any makeshift or temporary electrical connections be made on lighting equipment. Before making any repair or replacements in electrical equipment, make sure the circuit is dead. Wear eye protection when handling fluorescent lamps.

3.34 Ground for the station protector is usually provided by the power system ground. Refer to Section 508-100-100 for complete grounding information.

3.35 Install electrical wiring to conform with current requirements of the National Electrical Code (NEC), Government Agencies, and company standards. Telephone wiring shall not be installed in a location where minimum separation from other wiring as specified in Division 460 cannot be maintained.

3.36 Telephone and electrical wiring can enter the enclosure from side, rear, or top. Wiring can also enter a floor mount enclosure from the bottom.

3.37 Refer to Fig. 13 through 19 for various wire runs.

3.38 Install wiring for a wall mount to the electrical receptacle. Install wiring for a floor mount to the junction box.

3.39 Install a 123-type protector (furnished locally) on the inside left wall.

E. Telephone Sets

3.40 Install 1A-, 1C-, or 1E-type coin telephone set in accordance with Section 506-410-100.

3.41 Install 1D-type coin telephone set in accordance with Task Oriented Practice (TOP) 506-410-402.

3.42 Install 3A2 coin telephone set in accordance with Section 506-410-403.

3.43 Install 10A or 10B coinless public telephone set in accordance with Section 506-500-100.

F. Covers and Panels

3.44 After all components and associated items are installed, install sign panel, bottom front panel(s), and bottom cover as necessary.

4. MAINTENANCE

A. Sign Panel

4.01 Remove sign panel as follows:

- (1) Use a KS-19192, List 1 wrench and turn the two security fasteners 1/4-turn counterclockwise.
- (2) Lower the panel, pull forward, and lift off.
- (3) Install using reverse procedure.

B. Bottom Front Panel(s)

Note: When a directory is used, there will be a small panel on each side of the directory. When a directory is not used, one large panel will exist.

4.02 Remove bottom front panel(s) as follows:

- (1) Remove two Phillips roundhead screws from each panel (Fig. 9).
- (2) If a large front panel exists, remove two security screws, pull the panel down and out, and lift off. If two small front panels exist, remove

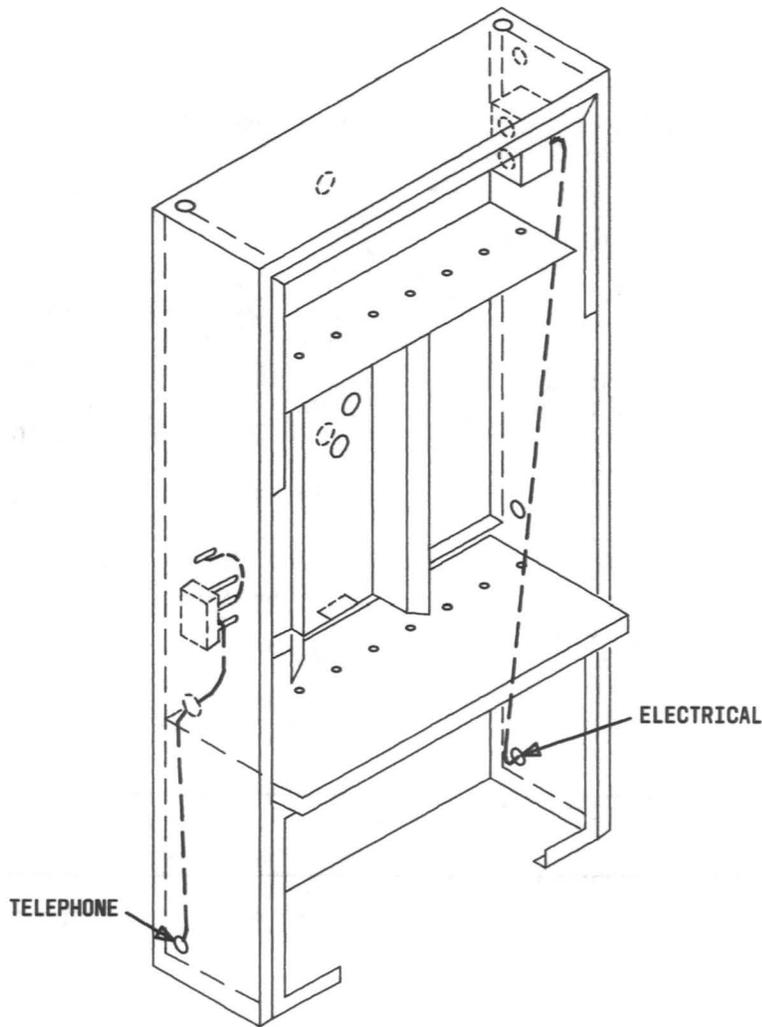


Fig. 13—Wall Mount—Side Entrance Wiring

two security screws from each panel, pull panels down, slide toward center of enclosure, and lift off.

(3) Install using reverse procedure.

C. Perforated Panels

4.03 Remove perforated panels as follows:

(1) Remove bottom front panel(s) (paragraph 4.02).

(2) Remove sign panel (paragraph 4.01)

(3) Remove three screws from under shelf if a box-type telephone set exists; two if a panel phone exists.

(4) Remove three screws from behind the light fixture if a box-type telephone set exists; remove two screws if a panel set exists.

(5) Pull panel out of enclosure.

(6) Install using reverse procedure.

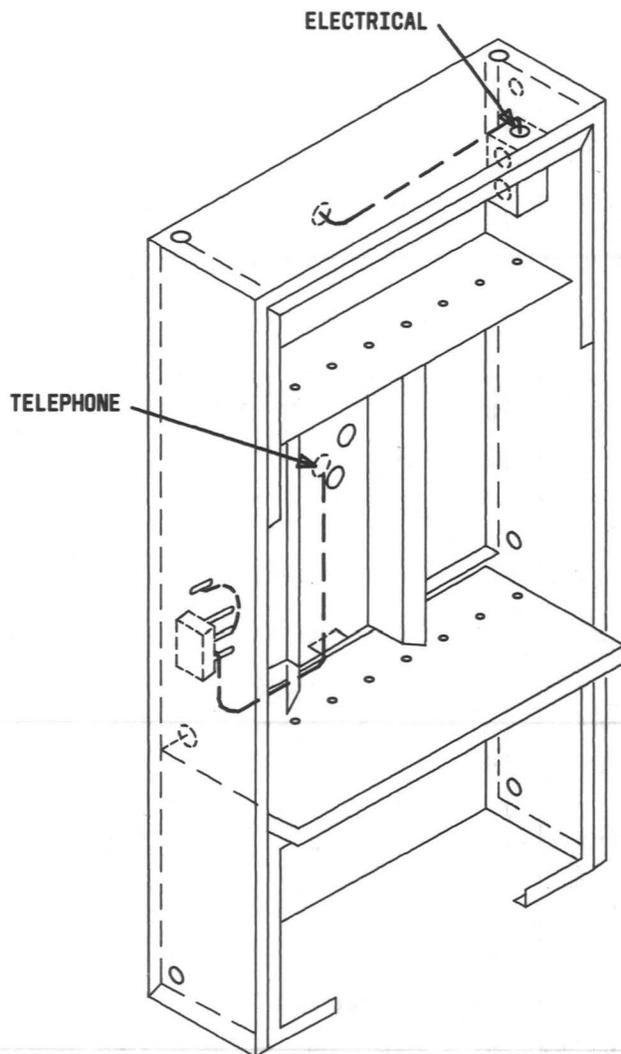


Fig. 14—Wall Mount—Rear Entrance Wiring

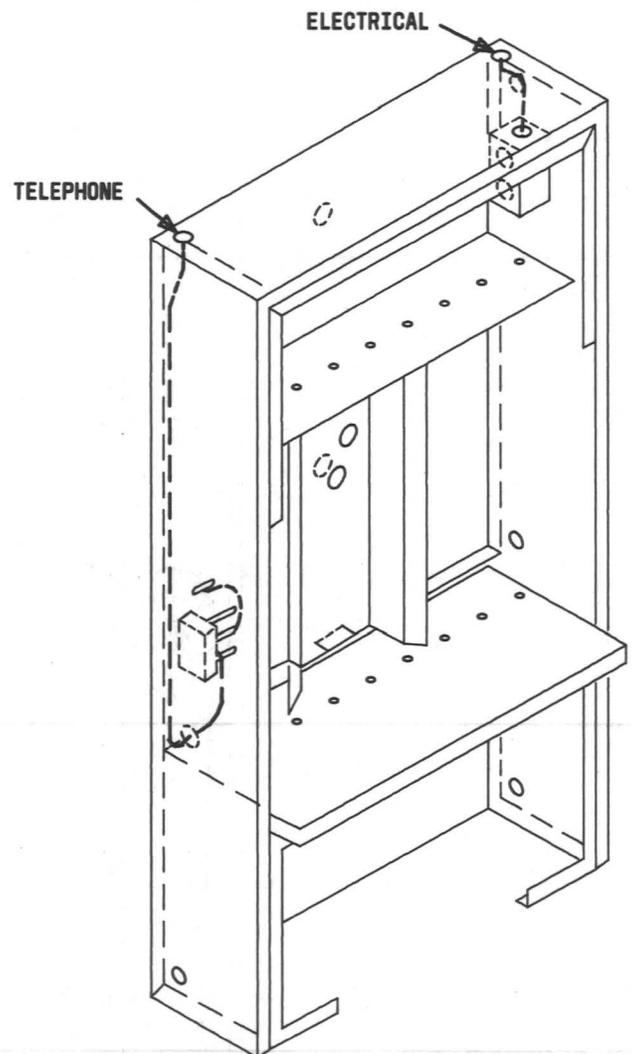


Fig. 15—Wall Mount—Top Entrance Wiring

D. Bottom Cover (Floor Mount Only)

4.04 To remove bottom cover, use a KS-19192, List 1 wrench and remove three security screws. Install using reverse procedure.

E. Wing Assemblies

4.05 Refer to Fig. 9 and remove wing assemblies as follows:

- (1) Remove bottom cover (floor mount only).
- (2) Remove bottom front panel(s).
- (3) Remove sign panel.

- (4) Remove four or six (whichever is applicable) 5/16-18 by 1-3/4 Phillips roundhead screws.

- (5) Lift wing off.

- (6) Install using reverse procedure.

F. Shelf Assembly

4.06 Remove shelf assembly as follows:

- (1) Remove bottom front panel(s).
- (2) Remove perforated panels.

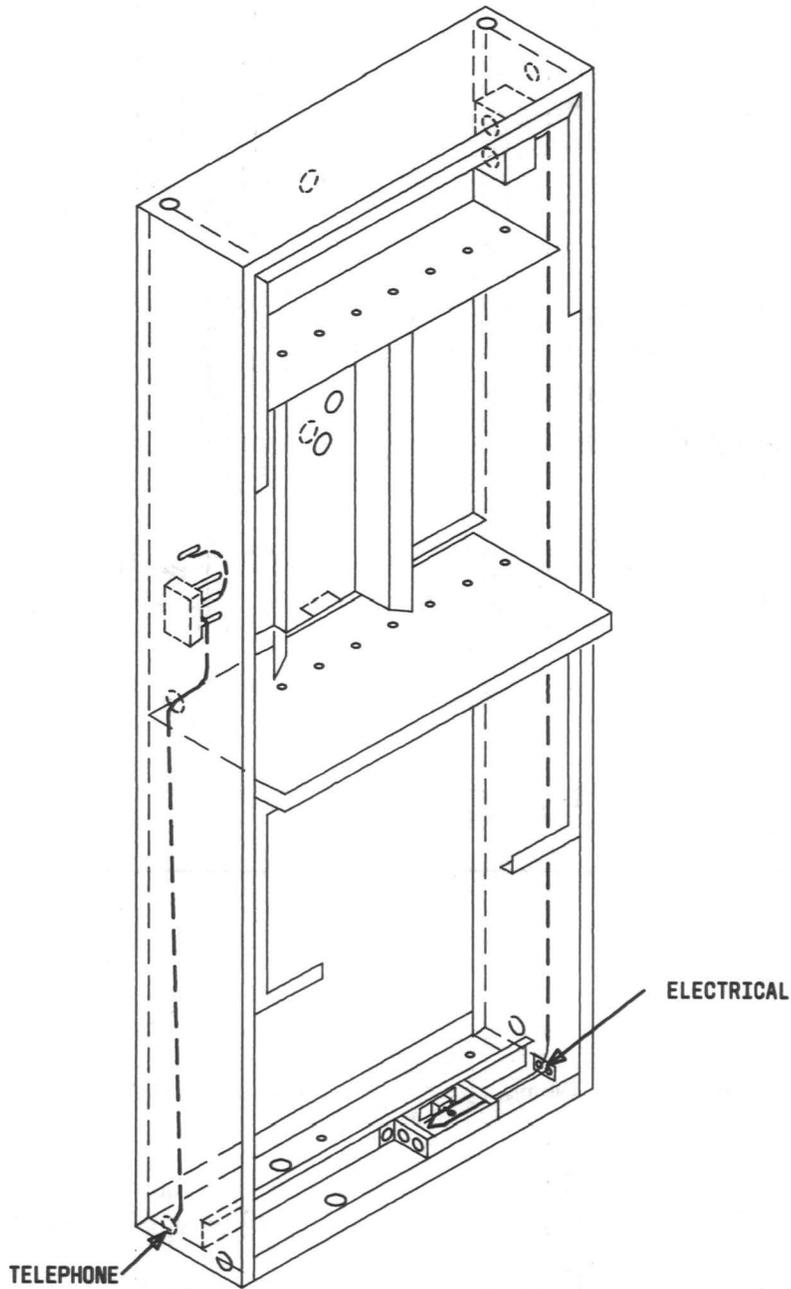


Fig. 16—Floor Mount—Side Entrance Wiring

- (3) Loosen two Phillips roundhead screws located in the rear corners.
- (4) Remove a 5/16-18 by 3/4 Phillips roundhead screws from each side.
- (5) Pull shelf forward and lift out.
- (6) Install using reverse procedure.

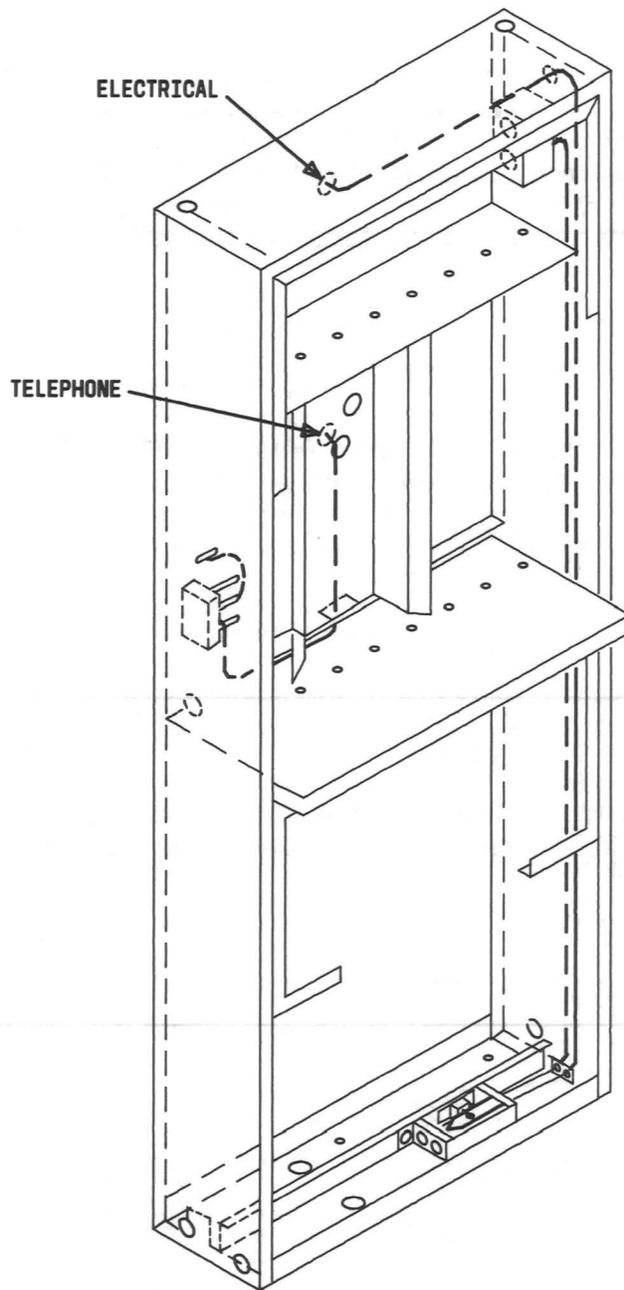


Fig. 17—Floor Mount—Rear Entrance Wiring

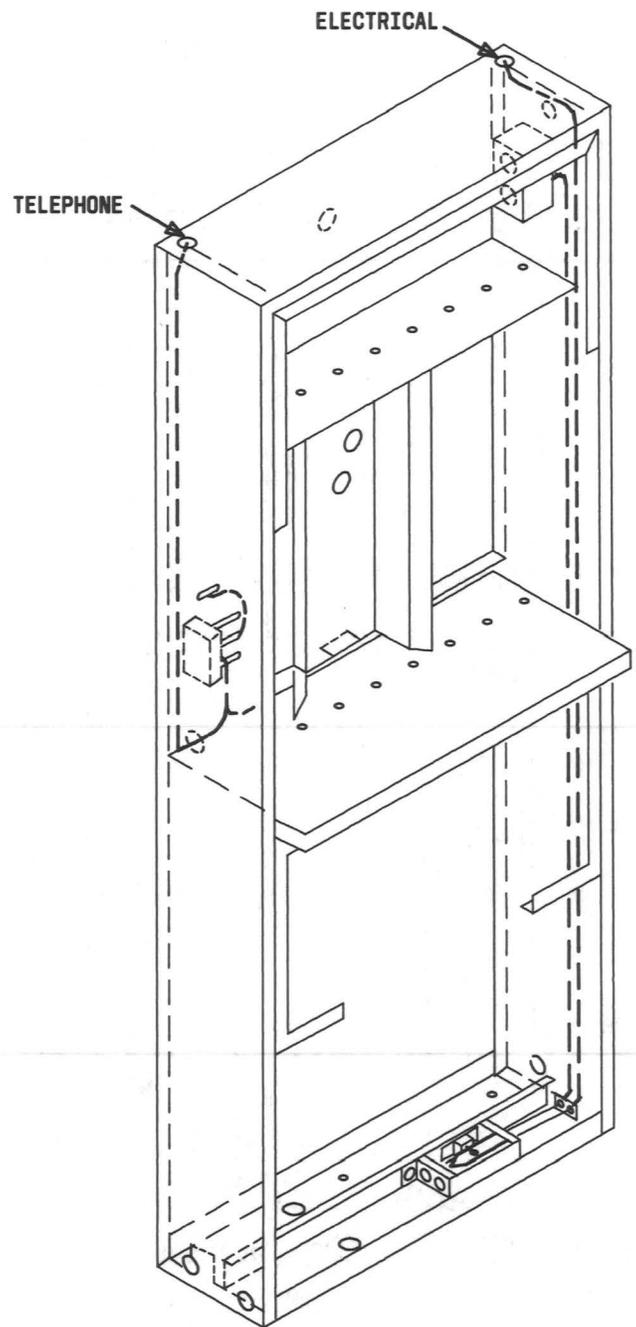


Fig. 18—Floor Mount—Top Entrance Wiring

G. Diffuser

4.07 Remove diffuser as follows:

(1) Remove sign panel.

(2) Remove four No. 8-32 hex nuts and remove diffuser.

(3) Install using reverse procedure.

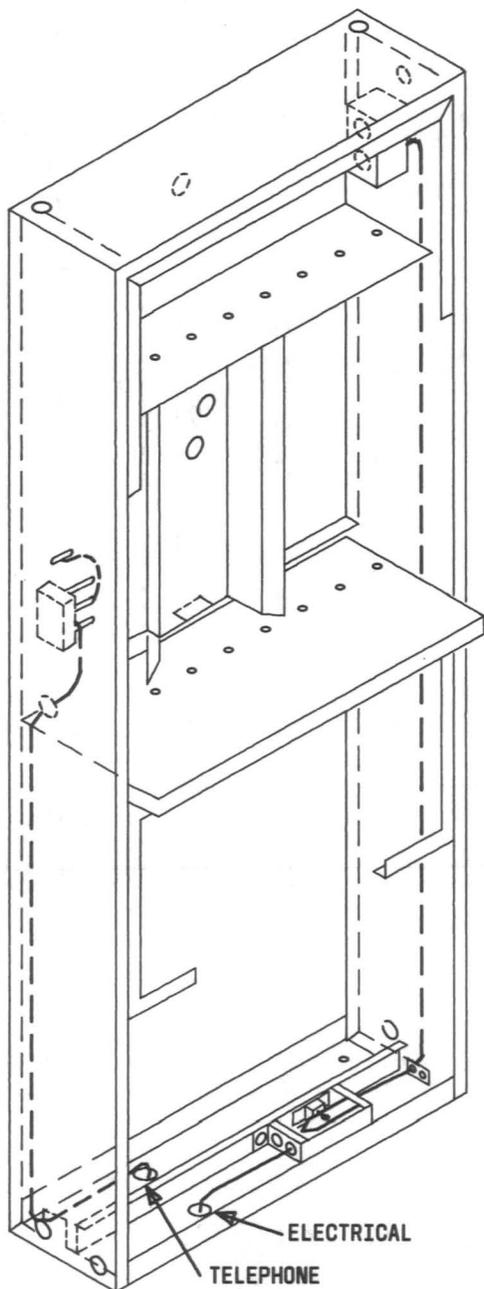


Fig. 19—Floor Mount—Bottom Entrance Wiring

H. Light Fixture

4.08 **DANGER:** Some fluorescent light ballasts contain hazardous polychlorinated biphenyls (PCBs). Unless the ballast is specifically labeled "No PCBs on Ballast," it must be assumed to be hazardous and disposed of in accordance with federal regulations.

4.09 Remove light fixture as follows:

- (1) Remove the sign panel.
- (2) **DANGER:** Eye injury could occur if fluorescent lamp is broken. Unplug the light cord and remove fluorescent lamp.
- (3) Remove two screws.
- (4) Lift the fixture up and out.
- (5) Install using reverse procedure.

I. Directory Hanger

4.10 Refer to Section 508-710-102 for complete information on the KS-20030 directory hangers.