

ADCO-107 WALK-UP, DRIVE-UP COIN TELEPHONE HOUSING
DESCRIPTION, INSTALLATION, AND MAINTENANCE

1. GENERAL

1.01 This section provides information covering the description, installation, maintenance and ordering information for the ADCO-107 coin telephone housing manufactured by the Acoustics Development Corporation.

1.02 This housing is designed for outdoor use and is suited for sidewalks, rest areas, shopping center malls, and high vandalism areas. The housing can also be used for Drive-Up, Walk-Up installation.

1.03 The ADCO-107 housing is all metal and provides good security against vandalism and instrument theft.

2. DESCRIPTION

2.01 The ADCO-107 housing is constructed of 3/16 inch tempered aluminum and stainless steel with fluorescent lighting protected by an impact resistant diffuser. The housing is 33-1/4 inches high, 16 inches wide and 15 inches deep. (See Fig. 1)

2.02 Two models are available. One has a stainless steel writing shelf, fluorescent lighting, phone sign with white letters on blue background top front and handset with word "phone" on each side. The other is identical except two stainless steel spacer rods replace the writing shelf and directory hanging hardware is furnished.

2.03 The housing can be wall (Fig. 2) or pedestal (Figures 3, 4, and 5) mounted or by using a special adapter can be mounted on an existing 3" round metal post. (Fig. 6)



Fig. 1

2.04 The backboard is arranged to accept the 200 type coin collector or the 1A type coin telephone complete with security studs. The panel type coin telephone cannot be used with the housing.

2.05 The housing is shipped completely assembled ready for installation. Refer to paragraph 7 for ordering information.

3. LOCATION

3.01 Ensure that location specified on service order corresponds to customer's wishes. The ADCO-107 housing location should be:

- (a) Within full view of the public.
- (b) Readily accessible to customers.

- (c) In a well lighted area.
- (d) Free of such hazards as broken or uneven sidewalk or pavement.
- (e) Protected by bumper guards where needed.
- (f) Spaced with a minimum clearance of six inches from property lines and buildings.

4. INSTALLATION

- 4.01 Single slot or multi-slot coin telephones may be installed in the ADCO-107 housing. However, in high security risk locations, a single slot instrument should be installed.
- 4.02 All additions or rearrangements of electrical wiring required for installation of these housings shall be made by an authorized electrician and conform with local regulations.
- 4.03 Install ADCO-107 housings on wall installations in accordance with Fig. 2. CAUTION: These housings must not be installed on wall surfaces which will not support this additional weight, housing approximately 65 lbs. plus single slot coin collector, approximately 50 lbs. Secure the wall mounting bracket with fasteners of a type and size appropriate for the mounting surface encountered.
- 4.04 Drive-up and walk-up installations on standard buried posts are shown in Figures 3 and 4. Note: The concrete base dimensions are the minimum dimensions recommended by the manufacturer.
- 4.05 Details of a surface mount post installation are shown in Fig. 5.
- 4.06 Installation on a 3½ inch outside diameter pipe is shown in Fig. 6.
- 4.07 The coin telephone housing must be plumb for satisfactory operation of

the coin set. (Shim if necessary.)

5. TELEPHONE AND ELECTRICAL WIRING

5.01 Telephone and electrical wiring may enter from the top or bottom of the housing. Separate channels are provided for each type of wiring.

5.02 A typical electrical connection to the housing is shown in Fig. 7.

5.03 For your safety observe the following:

Under no circumstances shall any makeshift or temporary electric connection be made on lighting equipment.

Before making any repairs or replacement in electrical equipment, operate the electric switch and make sure the circuit is dead. Check, using an electric wire tester or approved device.

Wear eye protection when handling fluorescent lamps.

5.04 Grounding requirements are covered in the 460 and 508 sections of the practices.

6. MAINTENANCE

6.01 Maintenance of ADCO-107 housings will normally consist of cleaning and lamp replacement.

6.02 These housings may be cleaned with a mild household detergent and water applied with a clean soft cloth. KS-7860 petroleum spirits may be used to remove wax base substances, i.e., crayons, lipstick, etc.

Note: Do not use abrasive materials that will scratch the hood.

6.03 Lamps may be replaced by unlocking the diffuser latch shown in Fig. 8. Replacement lamps are ordered as follows:

Lamp, Fluorescent
14 watt, F14T12CW

6.04 For maintenance, an exploded view of the shelf and housing is shown in Fig. 9.

6.05 Piece parts for repair may be ordered using the information given in TABLE A.

7. ORDERING INFORMATION

7.01 ADCO-107 type housings and hardware may be ordered from Western Electric Company as follows:

(Quantity) Housing ADCO-107 Standard shelf
E/W stainless steel writing shelf

(Quantity) Housing ADCO-107X-Similar to 107-
E/W directory hanger and stainless
steel rod shelf

(Quantity) Housing ADCO-107-PS-Similar to
107-Side panels are perforated
for better visibility at night.

(Quantity) Post-ADCO No. SSP-107-Standard
walk-up surface mounting post

(Quantity) Post-ADCO No. DUSP-107-Standard
drive-up surface mounting post

(Quantity) Post-ADCO No. SBP-107-Standard
walk-up buried mounting post

(Quantity) Post-ADCO No. DUBP-107-Standard
drive-up buried mounting post

(Quantity) Post-ADCO No. SBTWP-Standard
walk-up buried-top wiring -
mounting post

(Quantity) Post-ADCO No. DUTWP-Standard
drive-up buried-top wiring -
mounting post

(Quantity) Adapter-ADCO GCOA-107-Used to
mount ADCO-107 housing on
KS-16705 List 2 mounting post

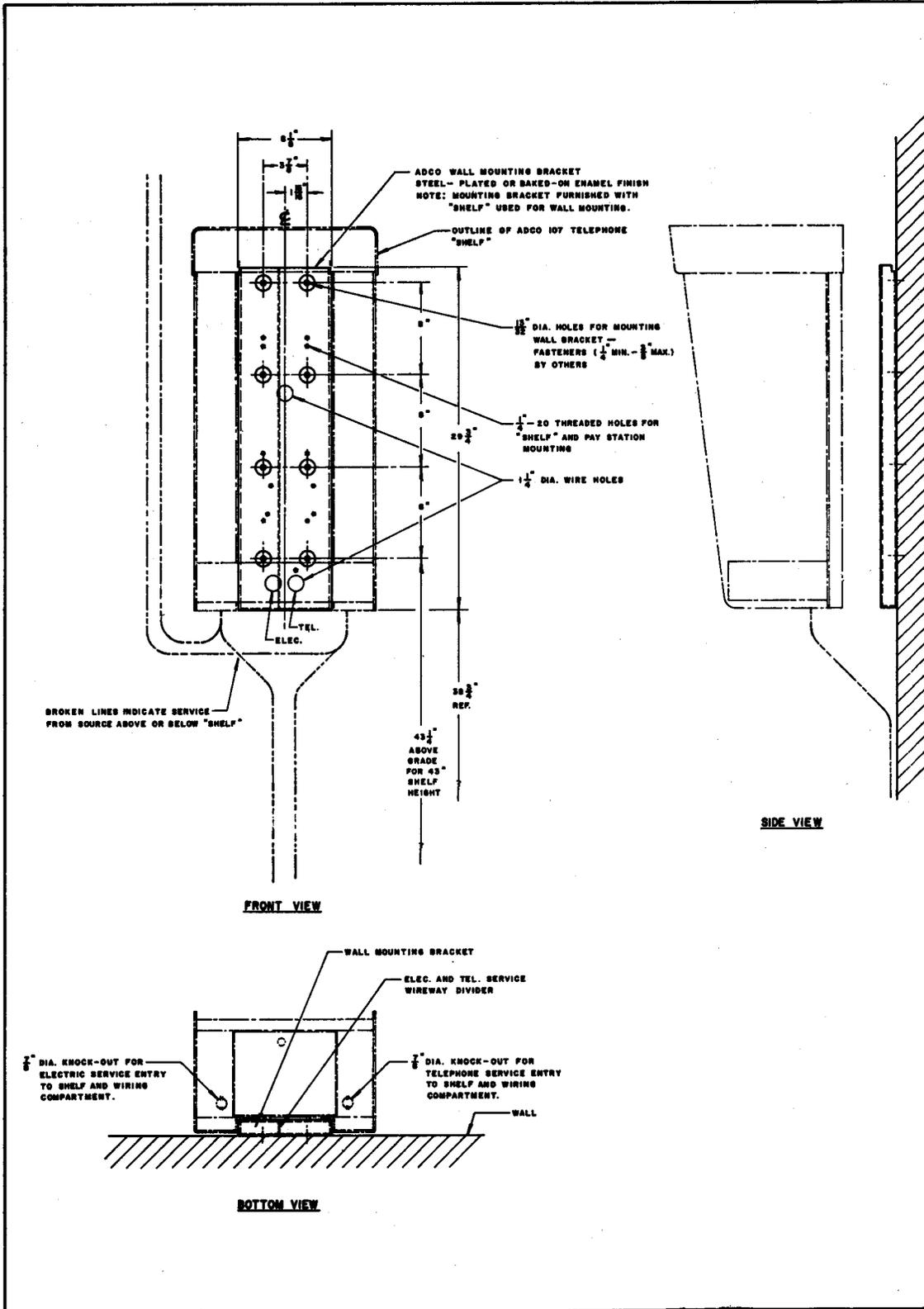
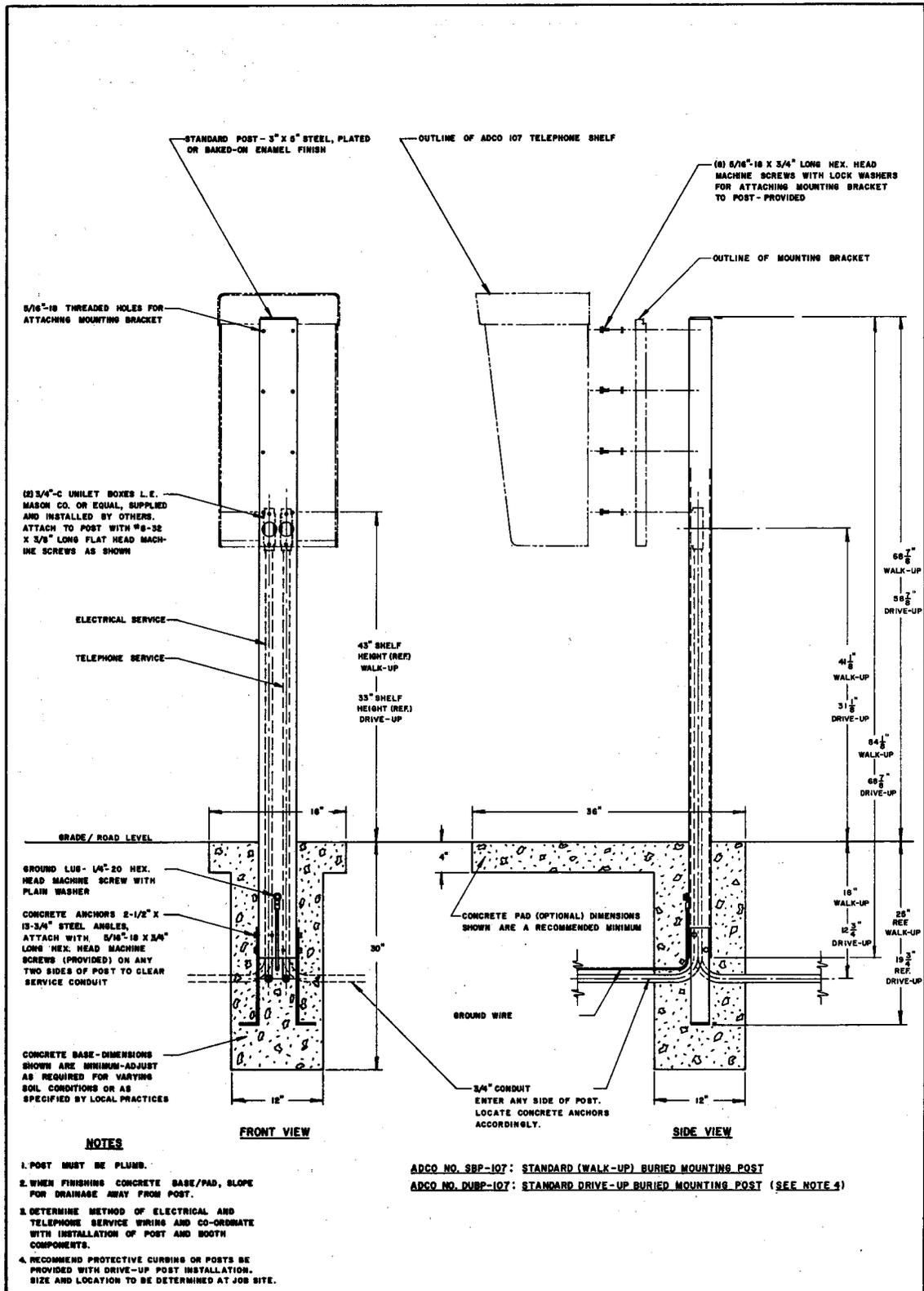


Fig. 2
WALL MOUNTING BRACKET DETAIL



NOTES

1. POST MUST BE PLUMB.
2. WHEN FINISHING CONCRETE BASE/PAD, SLOPE FOR DRAINAGE AWAY FROM POST.
3. DETERMINE METHOD OF ELECTRICAL AND TELEPHONE SERVICE WIRING AND CO-ORDINATE WITH INSTALLATION OF POST AND BOOTH COMPONENTS.
4. RECOMMEND PROTECTIVE CURBS OR POSTS BE PROVIDED WITH DRIVE-UP POST INSTALLATION. SIZE AND LOCATION TO BE DETERMINED AT JOB SITE.

ADCO NO. SBP-107: STANDARD (WALK-UP) BURIED MOUNTING POST
 ADCO NO. DUBP-107: STANDARD DRIVE-UP BURIED MOUNTING POST (SEE NOTE 4)

Fig. 3

STANDARD BURIED POST INSTALLATION

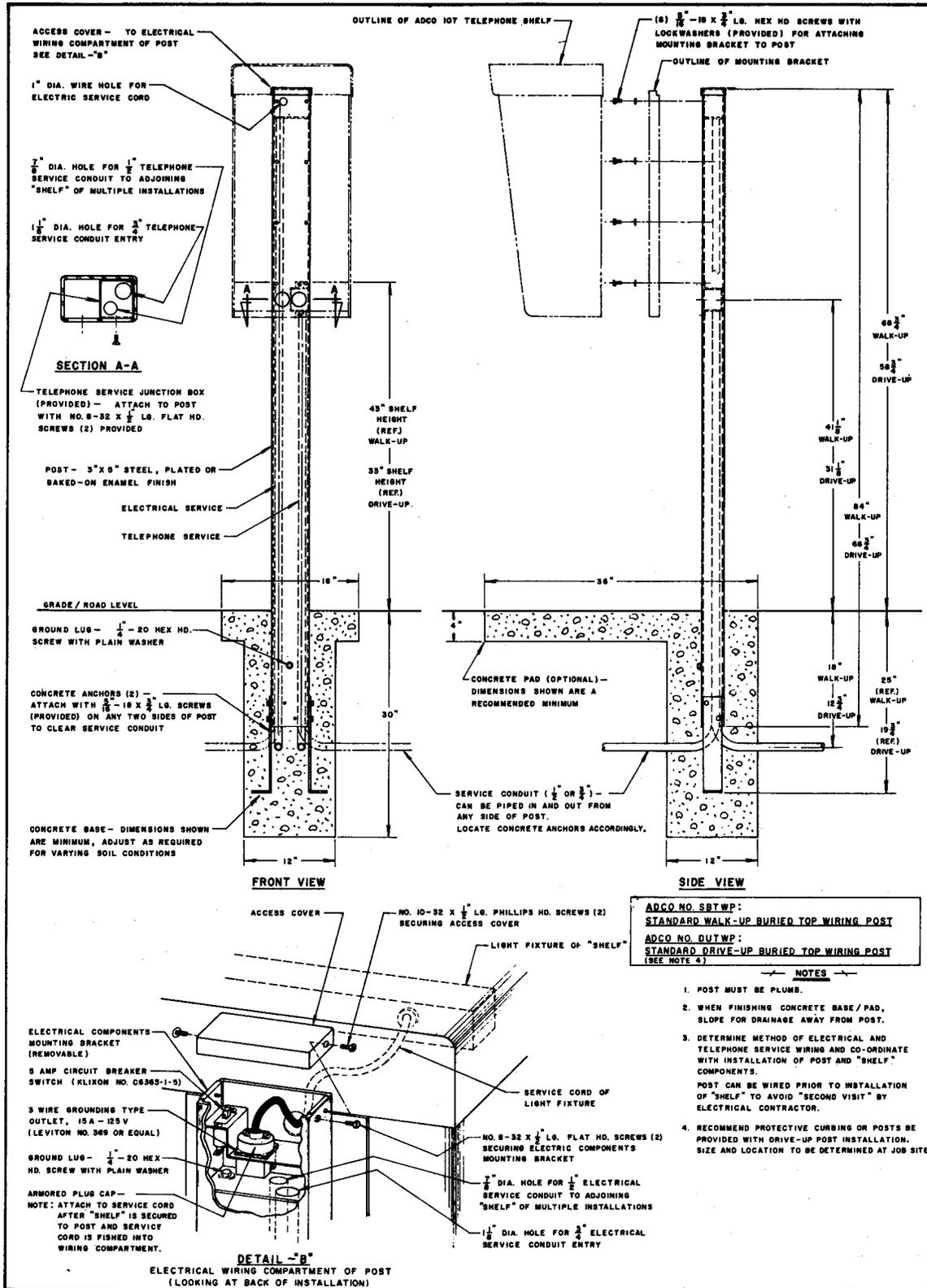


Fig. 4

BURIED POST-TOP WIRING

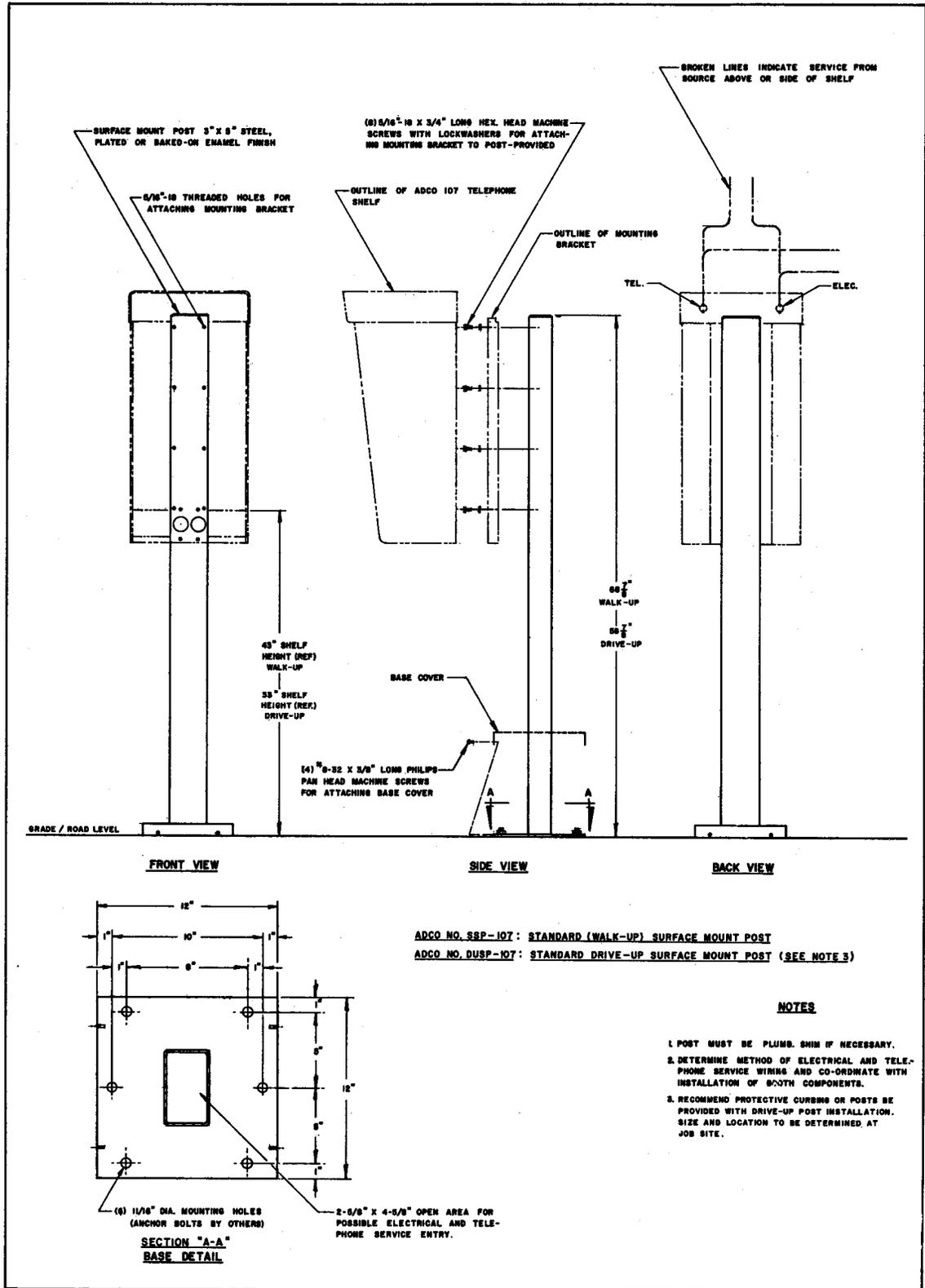


Fig. 5
SURFACE MOUNT POST

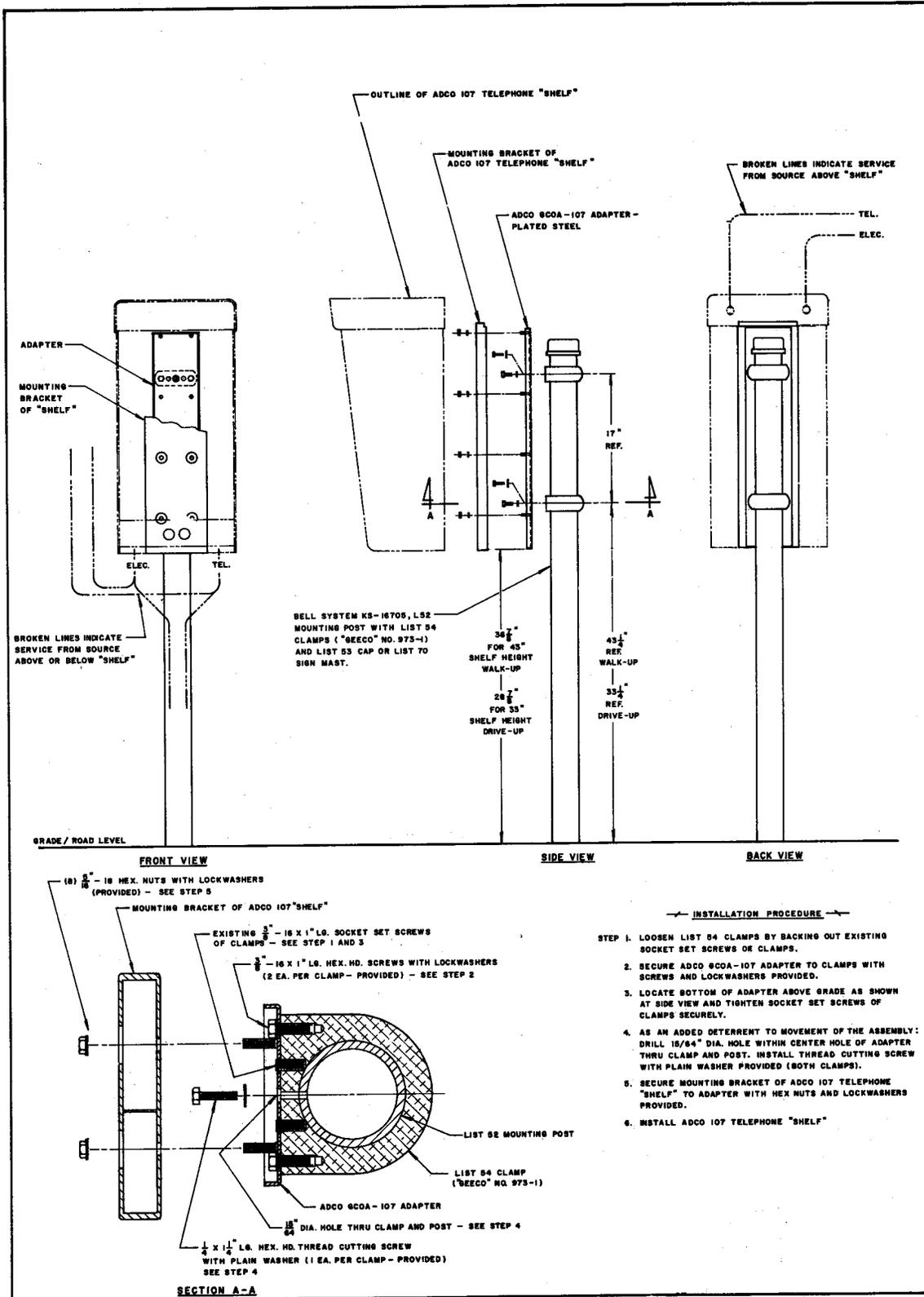


Fig. 6
3" POST ADAPTER

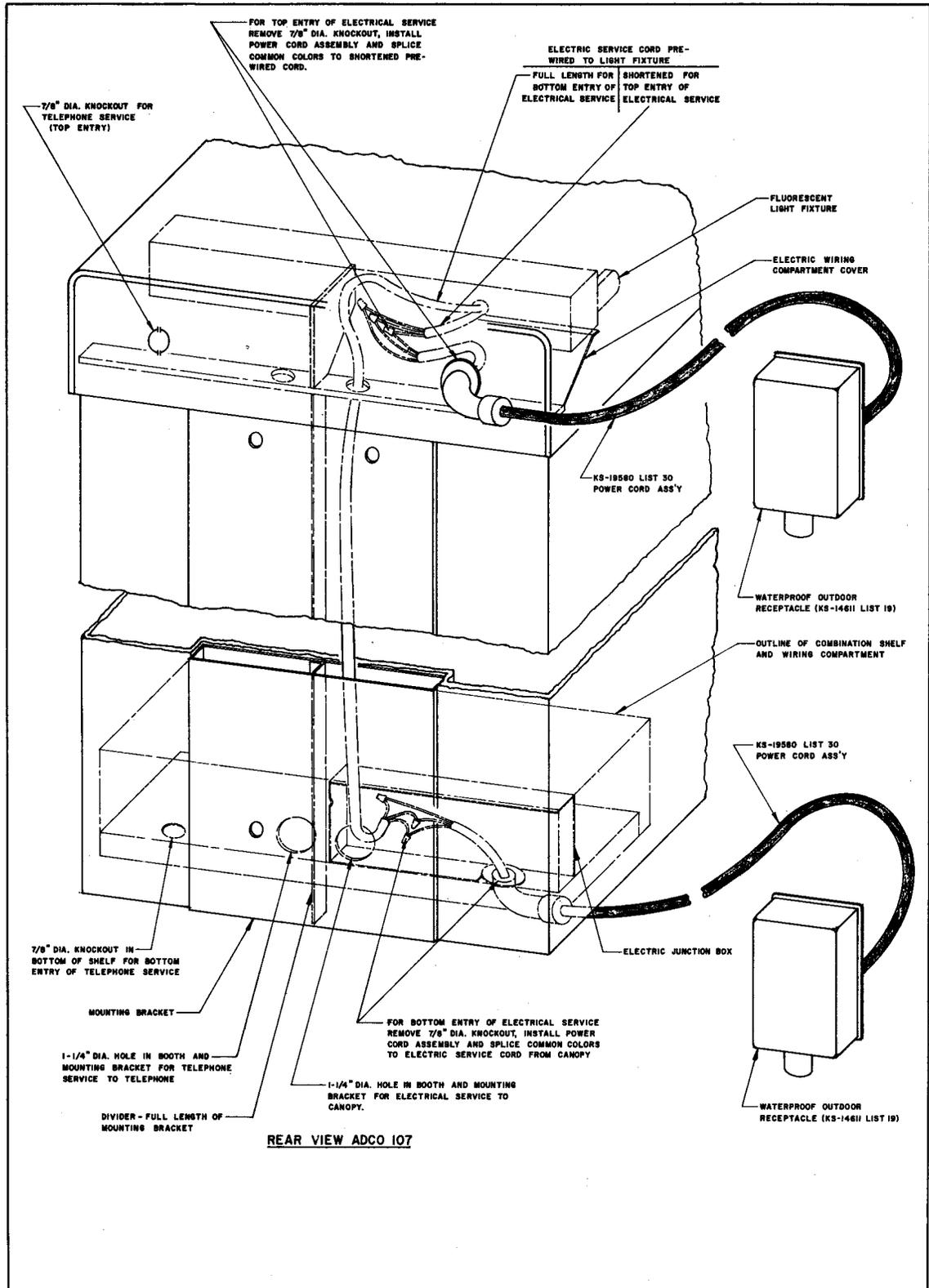


Fig. 7

ELECTRICAL WIRING DETAILS

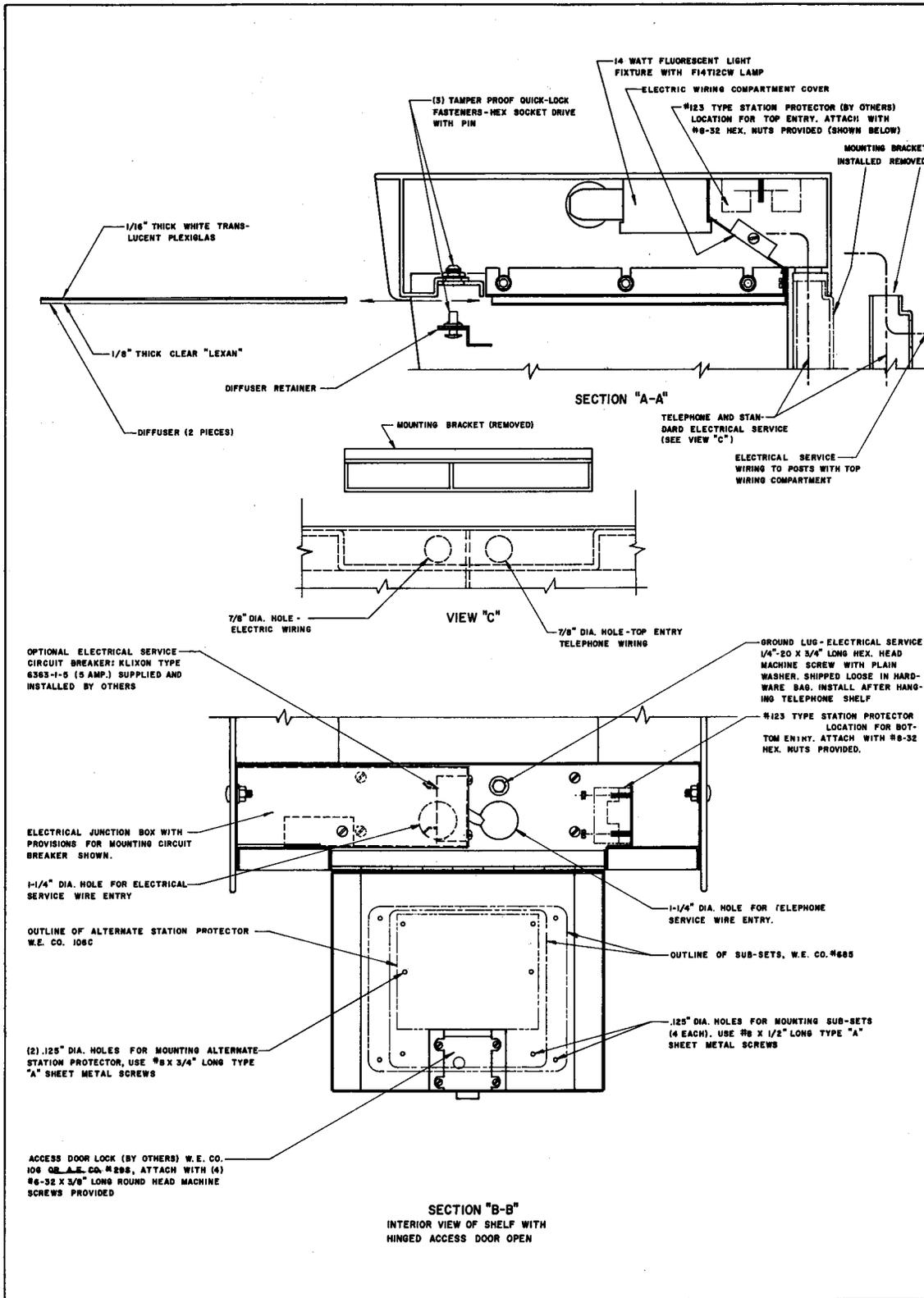


Fig. 8

TELEPHONE AND ELECTRICAL WIRING DETAILS

ASSEMBLY DETAILS

Fig. 9

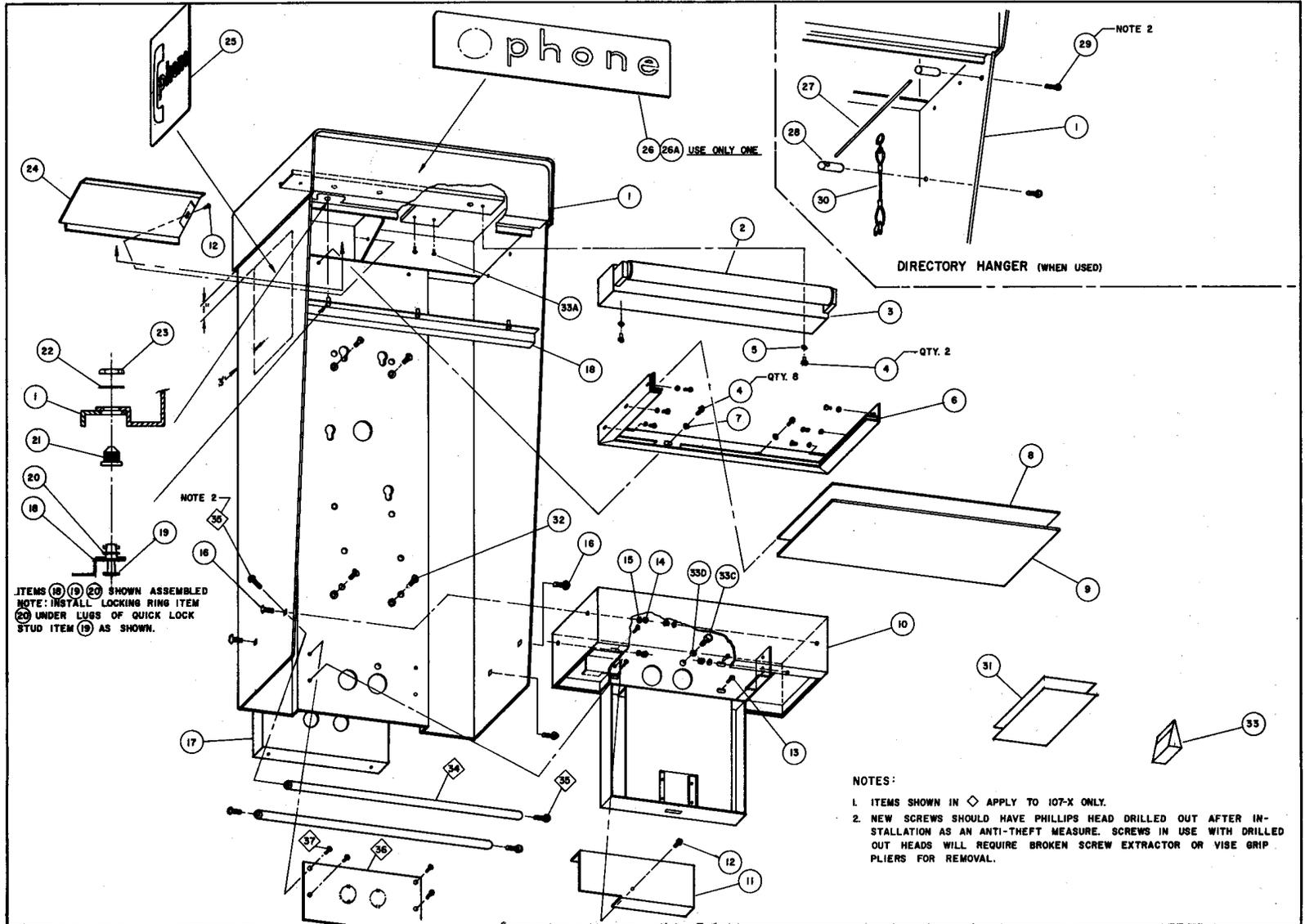


TABLE A

Item No.	No. Req'd.	PART NAME
1	1	Outer Wrapper and Canopy Assembly
2	1	* Fluorescent Lamp - F14T12CW (14 Watt)
3	1	Fluorescent Light Fixture
4	10	* No. 10-32 x 5/16" Lg. Pan Head Screw
5	2	* No. 10 Plain Washer
6	1	Diffuser Frame Ass'y.
7	8	* No. 10 External Tooth Lockwasher
8	1	1/16" Thick Plexiglas, Translucent White
9	1	1/8" Thick "Lexan", Transparent
10	1	Shelf Assembly
11	1	Wireway Cover - Shelf
12	2	* No. 8-32 x 1/4" Lg. Round Head Screw
13	4	* No. 10-32 x 1/4" Lg. Pan Head Screw
14	4	* 1/4" - 20 Hex. Nut
15	4	* 1/4" External Tooth Lockwasher
16	4	* 1/4" 20 x 3/4" Lg. Stainless Steel Carriage Bolt
17	1	Mounting Bracket
18	11	Diffuser Retainer w/o Item 19 & 20
19	3	Tamper Proof Quick Lock Stud No. 0-2 (Simmons No. B-1300-447)
20	3	Locking Ring (Simmons)
21	3	Screw Type Receptacle (Simmons No. STR-2-3)
22	3	* 11/16" O. D. x 1/2" I. D. x .031" Thick Washer
23	3	Retaining Nut (Simmons)
24	1	Wireway Cover - Canopy
25	2	Phone Sign, Side, KS 20064 List 1 (2 places) - Adhesive Backed
26	1	Phone Sign, Front ("Phone" only) - Adhesive Backed
26A	1	Phone Sign, Front (Bell System Seal and "Phone") - Adhesive Backed
27	1	Directory Rod
28	2	Directory Rod Support
29	2	* 1/4" x 20 x 3/4" Lg. Phillips Truss Head Stainless Steel Screw
30	1	Directory Hanger
31	lea.	Model 107 Installation Instructions (2 sheets)
32	4	Retaining Screws, Mounting Bracket, 1/4" x 20 x 1/2" Lg. Flat Head
33	1	Hardware Bag, Consisting of:
33A	2	* Station Protector Mounting Screws - No. 8-32 x 1/2" Lg. Round Head
33B	8	* Paystation Mounting Screws, 1/4" x 20 x 3/4" Lg. Round Head
33C	1	* Grounding Screw 1/4" x 20 x 3/4" Lg. Hex. Head
33D	1	* 1/4" Plain Washer
33E	4	* Lock Mounting Screws No. 6-32 x 3/8" Lg. Round Head
FOLLOWING ITEMS FOR 107-X ONLY		
34	2	Rod, Shelf
35	4	* 1/4" - 20 x 3/4" Lg. Phillips Truss Head Stainless Steel Screw
36	1	Cover Plate
37	4	* No. 10-32 x 1/4" Lg. Phillips Pan Head Stainless Steel Screw
* Also available from local source.		

PARTS LIST

ADCO 107 TELEPHONE HOUSING