# 28 TELETYPEWRITER CABINETS

## DESCRIPTION

CONTENTS PAGE

1. GENERAL . . . . . 1
2. DESCRIPTION . . . . . 1
FLOOR MODEL ENCLOSURE . . . . . 1
TABLE MODEL ENCLOSURE . . . . . 5
RACK MOUNTED COVER . . . . . 5
WALL MOUNTED ENCLOSURE . . . . 6
MULTIPLE KSR AND RO ENCLOSURES . . . . . 7

## 1. GENERAL

1.01 The components of 28 Send-Receive (KSR) and Receive-Only (RO) Teletypewriter Sets may be installed in the following enclosures: the floor model, the table model, the rack mounted cover, the wall mounted cabinet, and the multiple KSR and RO enclosures.

1.02 The enclosures are of sheet metal construction and are finished internally and externally in baked enamel. Physical dimensions of each enclosure type are listed in Table 1.

TABLE 1. ENCLOSURE DIMENSIONS

| | Height (Inches) | Width (Inches) | Depth (Inches) |
|---|---|---|---|
| Floor Model | 39 | 20-1/2 | 18-1/2 |
| Table Model | 16 | 20-1/2 | 18-1/2 |
| Rack Mounted | 12 | 17 | 24 |
| Wall Mounted | 30-3/4 | 16-1/2 | 14-1/4 |
| Multiple KSR and RO | 72 | 21-1/2 | 28 |

## 2. DESCRIPTION

### FLOOR MODEL ENCLOSURE (Figures 1 and 2)

2.01 The floor model enclosure contains an upper compartment for housing of the keyboard or receive-only base, the typing unit, and the electrical service unit, and a lower panel for storage or accessory equipment installation.

2.02 The upper compartment has a dome shaped lid, which is hinged at the rear. The dome is unlatched by a pushbutton and is counter-balanced by a stop arm mechanism that aids in raising and supporting it in the open position. The dome contains a window through which the printed copy may be viewed and which also serves as a copy tearing edge. Access to the copy is made through a hinged copy door that is unlatched by a pushbutton mechanism. Incandescent lamps located under the dome illuminate the copy. A three-position switch controls the copy lamps. Accessible when the dome is raised, the copy-lamp switch provides the following operating modes: NORMAL ON, OFF, and MAINT (maintenance) ON.

2.03 The cradle assembly, which forms the floor of the upper compartment, will accommodate either a keyboard or receive-only base. The cradle permits the mounted units to be tilted forward for inspection and maintenance.

2.04 Terminal boards for power and signal line connections are located on the inner rear wall. The electrical service unit is placed to the rear of the keyboard or receive-only base. Its power switch is controlled through a lever at the front of the enclosure.

2.05 Rubber sealing strips are applied to the edges of both the dome and the door of the lower panel for silencing purposes.

2.06 The floor model enclosures may be equipped with the following accessories:

(a) A signal bell, to make audible those signals that are transmitted for supervisory purposes.

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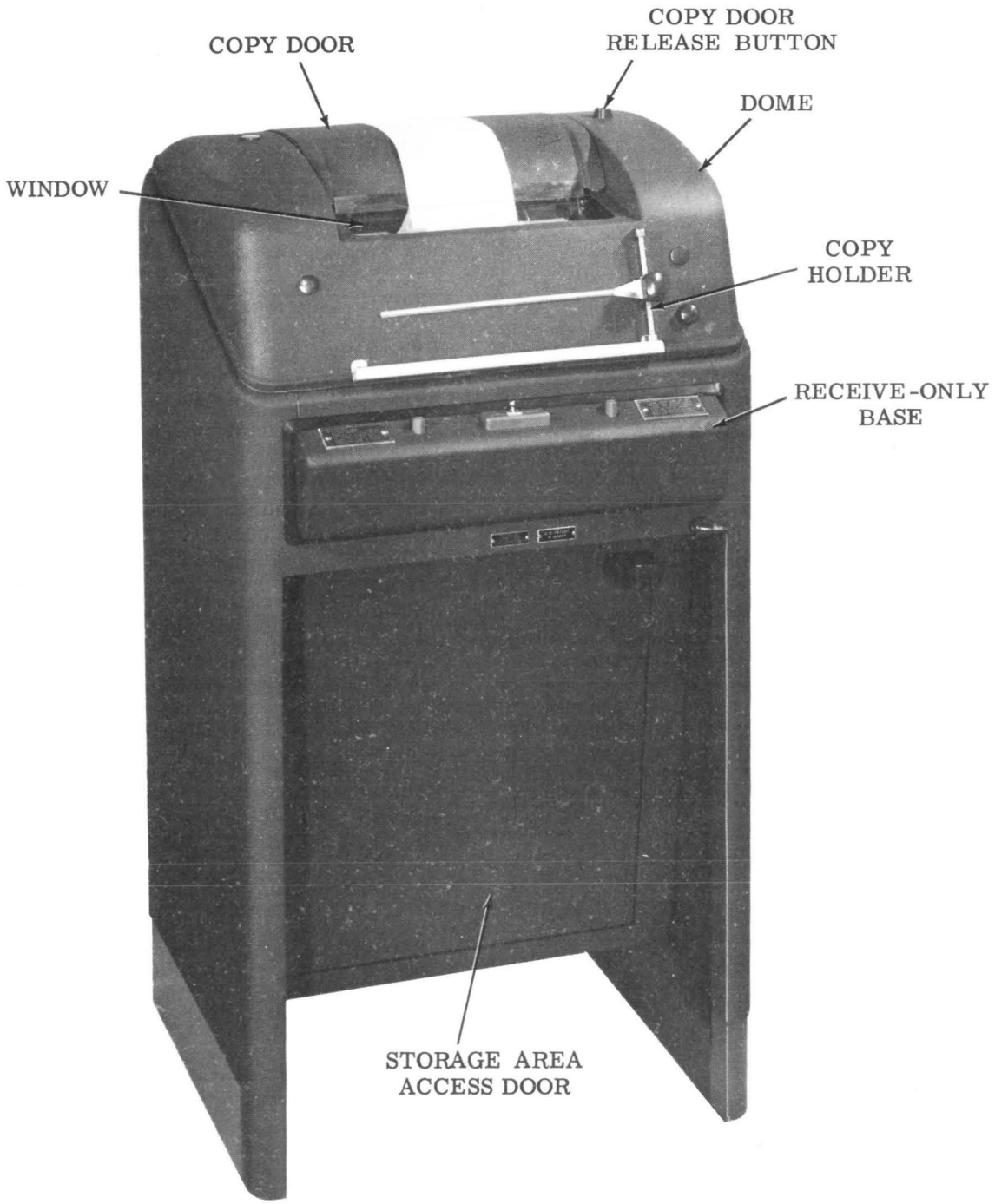


Figure 1 - Floor Model Enclosure

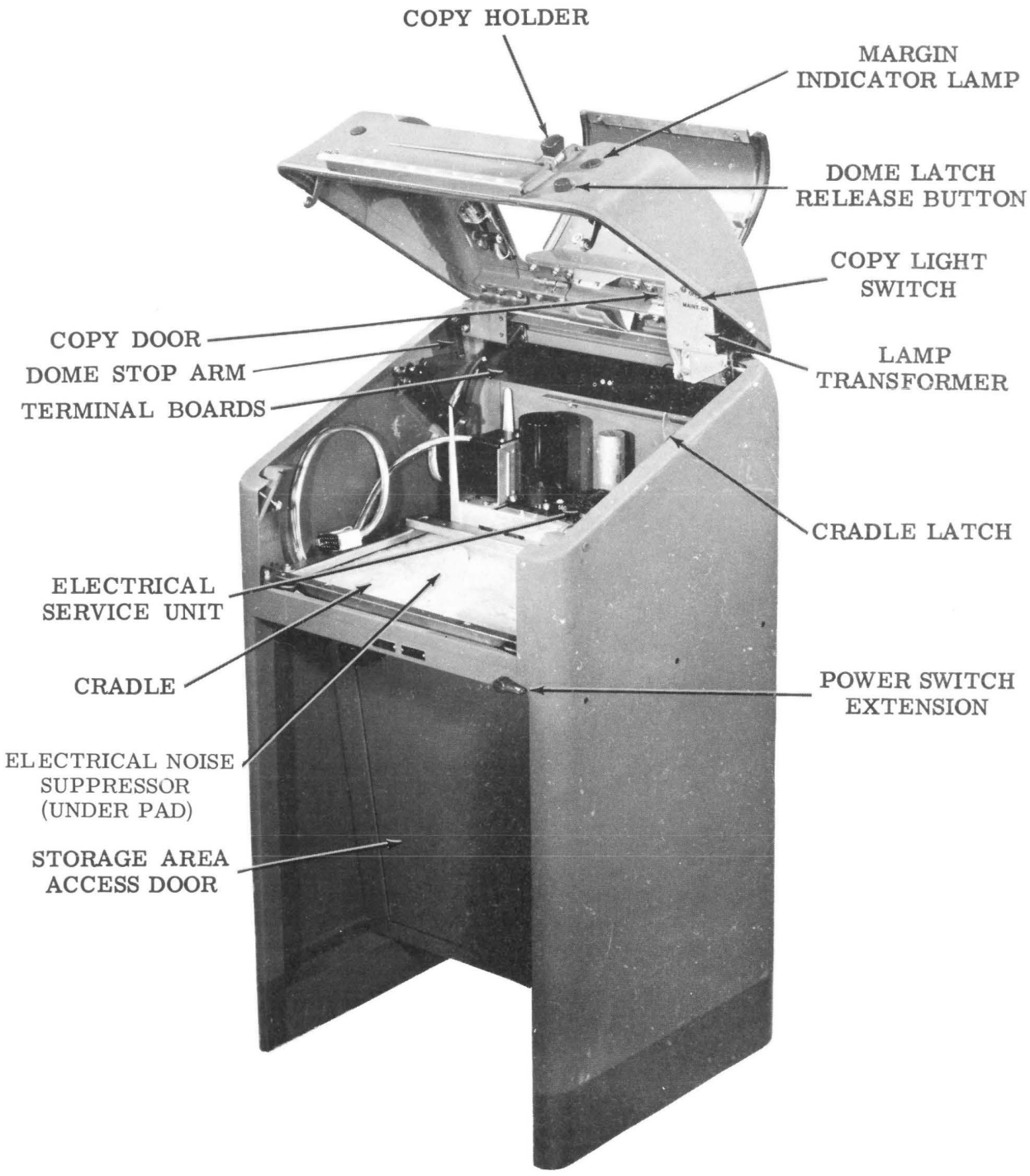


Figure 2 - Floor Model Enclosure (with Electrical Service Unit)

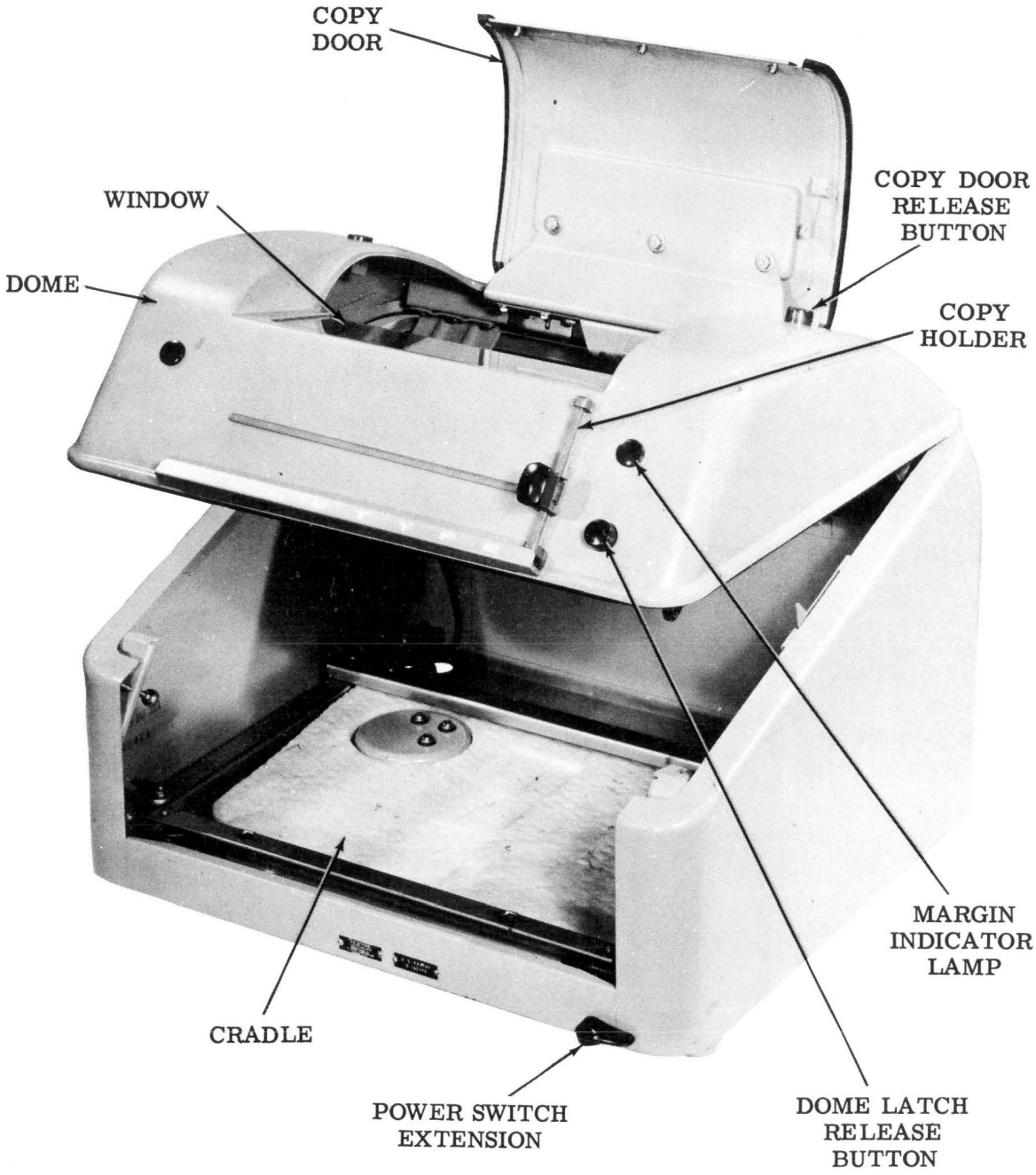


Figure 3 - Table Model Enclosure

(b) Electrical noise suppressors, to minimize electromagnetic radiation from the signal and power lines.

(c) A margin indicator lamp, which may be equipped with a line balancing resistor.

(d) A copy tray, with a movable copy holder and line guide.

(e) An offset copy holder.

(f) An apparatus mounting rack, which installs in the lower panel, for mounting accessory equipment.

(g) A sprocket-feed paper guide

(h) A directory holder.

(i) A form-out alarm mechanism.

(j) A busy line indicator lamp.

(k) A paper supply and accumulating shelf.

(l) A paper winder.

TABLE MODEL ENCLOSURE (Figure 3)

2.07 The table model enclosure differs from the floor model enclosure (2.01 to 2.06) in that it contains no storage area (lower level).

RACK MOUNTED COVER (Figure 4)

2.08 The rack mounted cover provides housing for a send-receive keyboard or receive-only base, motor, and typing unit; the electrical service unit is contained in a separate enclosure. The unit enclosure and the electrical service unit enclosure are installed on a common base plate, with the cover occupying the forward section. The close-fitting design of the cover provides a reduction in weight and noise, and better sealing against dust.

2.09 Access to the interior of the enclosure is made through dual, hinged lids. The rear lid is held in the open position by a stop arm mechanism. The front lid is released by a pushbutton latch mechanism. It contains a transparent panel through which the printed copy may be viewed. The cover is secured to the base plate by a latching mechanism, which is operated by a lock lever from the front of the enclosure.

2.10 A copy lamp switch controls lamps that illuminate the printed copy. A margin indicator lamp and a copy tray, equipped with a movable copy holder and line guide, are also provided.

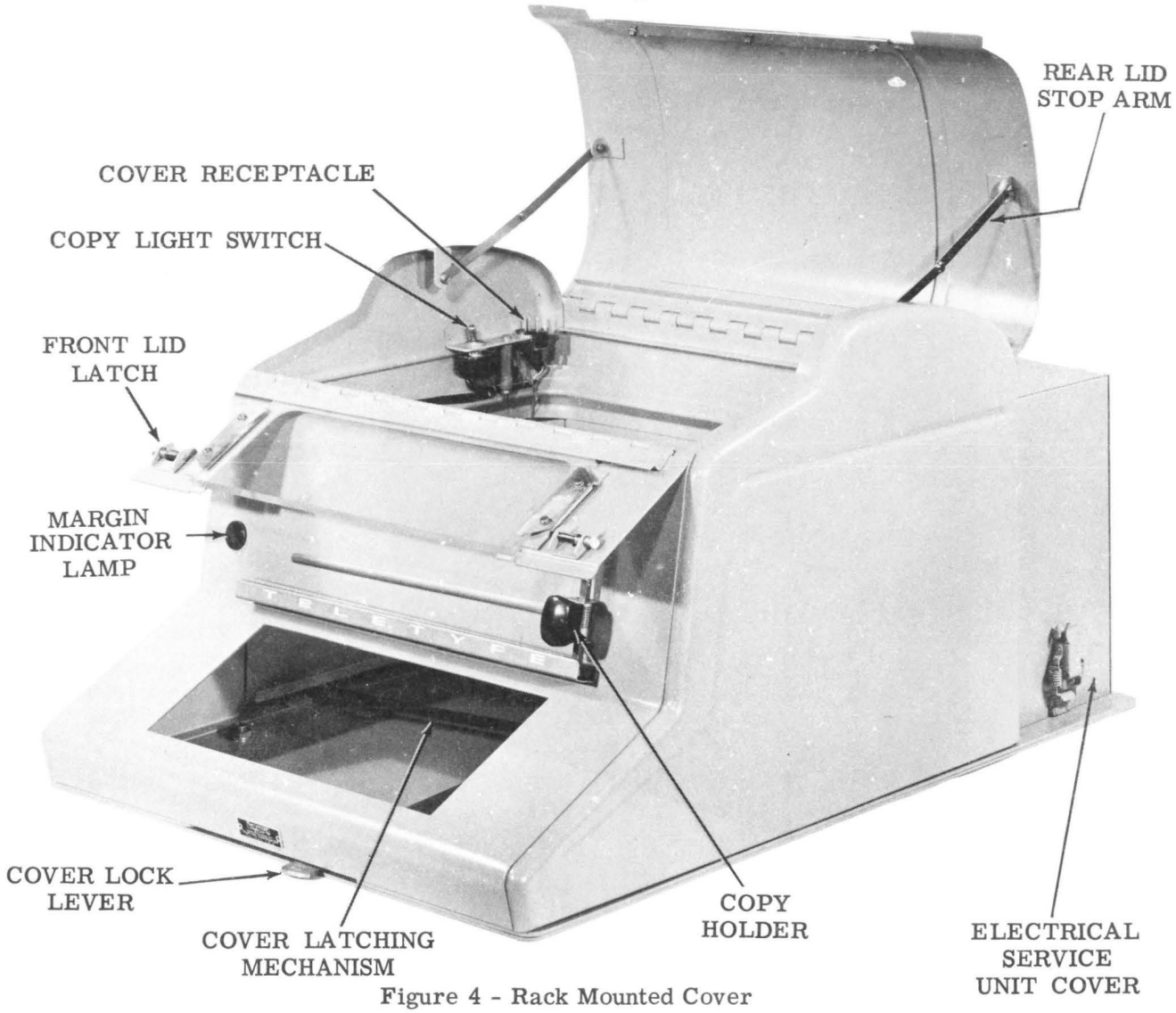


Figure 4 - Rack Mounted Cover

2.11 All external signal and power connections are made through terminal boards in the electrical service unit. A receptacle is provided in the cover for connection with the electrical service unit.

WALL MOUNTED ENCLOSURE (Figure 5)

2.12 The wall mounted enclosure provides housing for a KSR or RO Set. The enclosure is intended for installation directly to the wall surface in areas where it is desired to conserve floor space. Mounting may be made to a variety of wall materials, including: masonary, hollow or solid wood, lath and plaster, plasterboard and tile walls.

2.13 The principal parts of the enclosure are the cover, back plate assembly, and the frame assembly. The cover contains a lid which may be opened for access to the typing unit ribbon mechanism, typebox and copy paper thread-

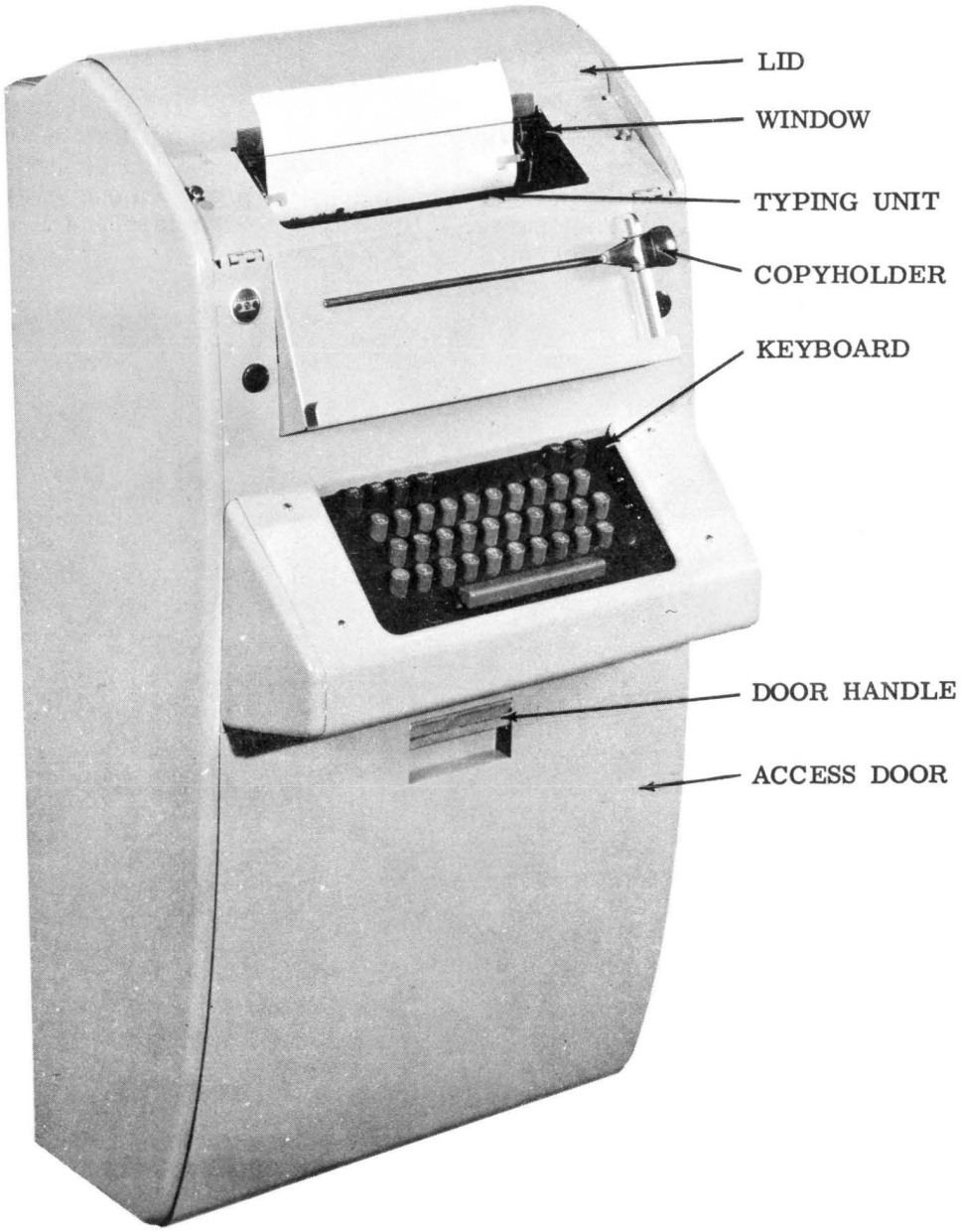


Figure 5 - Wall Mounted Enclosure

ing area, and a window for viewing the printed copy and for use as a copy paper tearing edge. A copy lamp, controlled by the motor-power switch, is provided for illumination of the printed copy. The front surface of the cover contains a copyholder tray with an adjustable, combination line guide and retainer. The lower level of the cover has a magnetically-latched door, which provides access to the electrical service unit and paper supply.

2.14 The backplate assembly is used to mount the enclosure to the wall surface. It contains a paper chute and provides support for the frame assembly, to which the cover is secured. One large, centrally positioned isolation mount, and two stabilizing mounts isolate the frame assembly from the back plate assembly.

MULTIPLE KSR AND RO ENCLOSURES (Figure 6)

2.15 The multiple KSR and RO enclosures provide housing facilities for either two RO sets and one KSR Set, or three RO Sets. In general, the enclosures accommodate the following methods of copy handling:

(a) Single copy paper, fed out and torn off.

(b) Single copy paper, displayed on a copy display rack and wound on a paper winder.

(c) Two-ply paper, the first copy torn off, the second copy displayed and wound on a paper winder.

2.16 Typically, the enclosures are of double-frame construction, consisting of an inner and an outer frame. The inner frame contains three sets of slides, installed in a step-like arrangement for mounting the teletypewriter sets. They permit partial withdrawal of the sets for maintenance purposes. The lower level of the enclosure contains the electrical service assembly, installed on a mounting panel. In some enclosures, electrical service units are used. Access to the lower part of the enclosure is made through a hinged door. Access to the rear of the units may be made by removing the rear panel.

2.17 Each of the two upper sets of slides (and also the lowest set of slides if three RO sets are to be installed) contain a base plate with an intermediate gear assembly, paper winder assembly and wiring for installing and connecting a typing unit and a motor unit. The lower set of slides mount a send-receive keyboard or receive-only base, equipped with a typing unit, motor unit and paper winder assembly.

2.18 In some enclosures, a hinged cover equipped with a copy window and push buttons for local control is installed at each teletypewriter position. In other enclosures, a single window is used. It may be raised for access to the equipment. Copy illumination systems may be provided for each position.

2.19 The enclosure may be equipped with a low-paper alarm system for each teletypewriter position. The alarm system includes a warning lamp and audible alarm, a reset switch, control relays, and a power supply. The alarm indicators and reset switch are generally installed on a control panel above the upper teletypewriter position.

2.20 When a KSR Set is installed, a panel that contains pushbutton switches for connecting the output of the keyboard to either of the three typing units, or to a separate line circuit may be provided (Fig. 6). The panel may also contain switches for the control of ac power and open line alarm lamps for each level.

2.21 The electrical service assembly may provide the following features:

(a) Copy lamp transformers for the copy lamp systems.

(b) Fuses for the ac circuits.

(c) One main power switch for the ac power to the enclosure.

(d) Control relays for switching the output of the keyboard to any of the typing unit circuits or to a separate line circuit. Power for operating the relays is supplied externally.

(e) Adjustable resistors, one for each incoming signal line, for making line current adjustments.

(f) Three selector magnet drivers (one for each typing unit) equipped with an open line sensing device which actuates an associated open line relay.

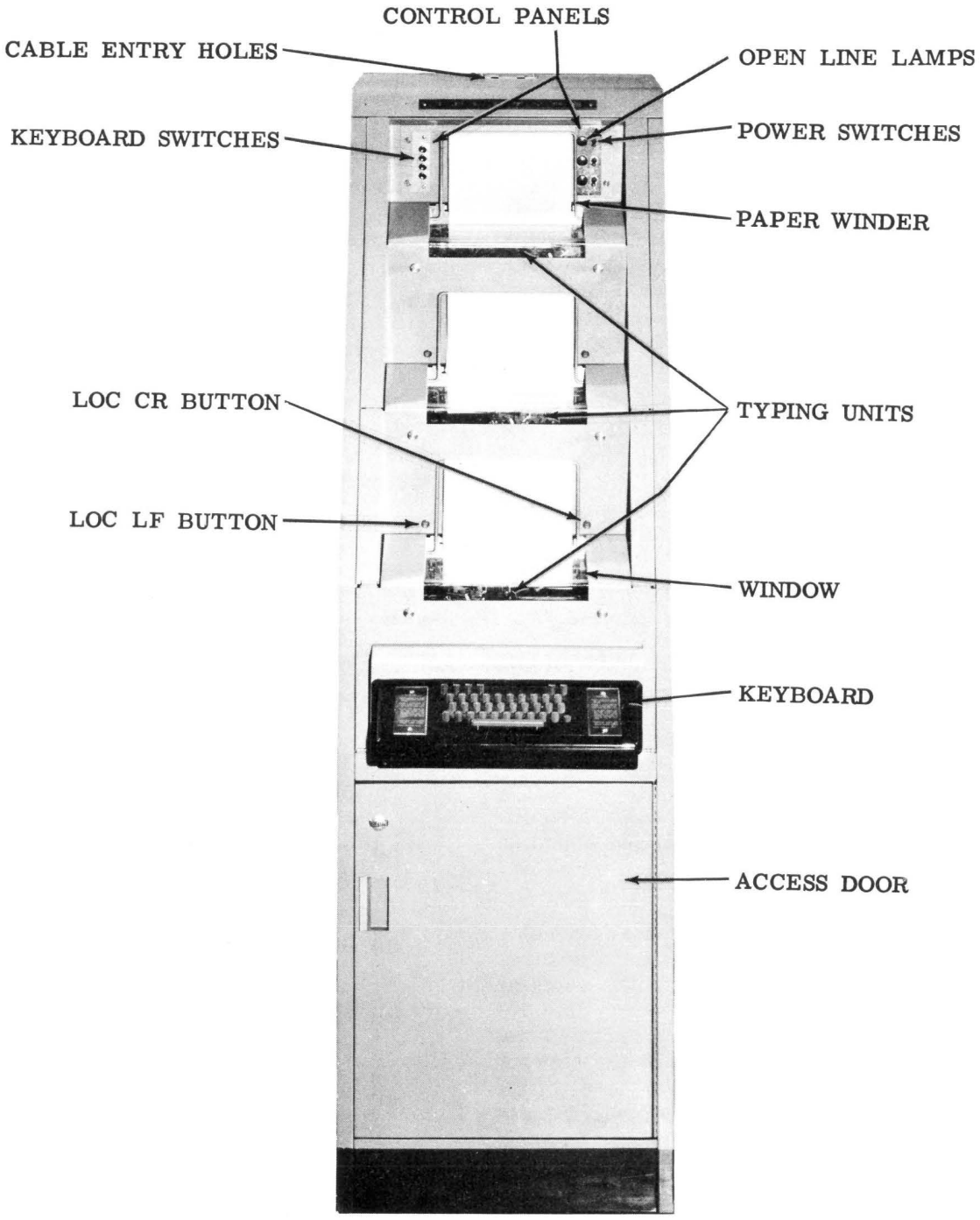


Figure 6 - Multiple KSR and RO Enclosure

(g) Terminal blocks and terminal boards for connections between the electrical service assembly and wiring of the enclosure.

2.22 External connections may enter the enclosure through several cable duct openings provided. Cabling to and from the electrical service assembly is of sufficient length to allow the assembly to be pulled forward through the access door and set on the floor for maintenance purposes.

2.23 Accessories for the enclosure include a static eliminator for the copy paper in each teletypewriter position, direct-drive paper winders for the upper two positions, and copy display racks.