

FD-2240A
6.3MB OPTICAL LINE TERMINATING MULTIPLEXER
RACK AND SHELF INSTALLATION

1. GENERAL

- 1.01 This section is a cover sheet for the NEC America, Inc., FD-2240A 6.3MB Optical Line Terminating Multiplexer Rack and Shelf Installation. This section is reproduced with permission of NEC America, Inc., and is equivalent to NEC practice NECA 365-407-201, Issue 3.
- 1.02 Whenever this section is reissued the reason(s) for reissue will be listed in this paragraph.
- 1.03 This section provides a description of the physical construction, rack installation, and shelf mounting of the FD-2240A 6.3MB Optical Line Terminating Multiplexer (6.3MB O-LTM).
- 1.04 If corrections are required in the attached document, use Form-3973 as described in Section 000-010-015.
- 1.05 If equipment design and/or manufacturing problems should occur, refer to Section SW 010-522-906 for procedures on filing an Engineering complaint.

2. ORDERING PROCEDURE

- 2.01 To order additional copies of this practice, use NECA 365-407-807SW as the section number.

3. REPAIR/RETURN

- 3.01 Malfunctioning units may be returned to NEC America, Inc., for repair.

Attachment: NEC America, Inc.
FD-2240A 6.3MB Optical Line
Terminating Multiplexer
Rack and Shelf Installation

PROPRIETARY

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Telephone Company except under written agreement.

**FD-2240A 6.3MB OPTICAL LINE TERMINATING MULTIPLEXER
RACK AND SHELF INSTALLATION**

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1. INTRODUCTION

1.01 This practice describes physical construction, rack installation, and shelf mounting of the FD-2240A 6.3BM Optical Line Terminating Multiplexer (6.3MB O-LTM).

1.02 Issue 3 of this practice supersedes Issue 2 of NECA 365-407-201. The practice provides expanded coverage and corrects errors and omissions in the superseded document.

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2. PHYSICAL CONSTRUCTION

2.01 The 6.3MB O-LTM consists of a prewired shelf with integral display panel and a number of electronic units. The sockets to mount the plug-in units are at the rear of shelf. The number and type of plug-in units varies with selected system configuration. The plug-ins are packed and shipped separately from the shelf.

2.02 The 6.3MB O-LTM is designed to be mounted in a standard EIA 19-inch relay rack. The shelf is 482.6 mm (19 in.) wide, 177 mm (7 in.) high, and 305 mm (12 in.) deep. Weight of the full equipped 6.3 MB O-LTM is 16 kg (35.2 lbs). Front view and dimension of the FD-2240A is shown in Figures 2-1 and 2-2. Up to eight 6.3 MB O-LTM shelves can be installed in the rack with one unit (1U) of vertical space maintained between shelves. Refer to Figure 2-3.

3. RACK INSTALLATION

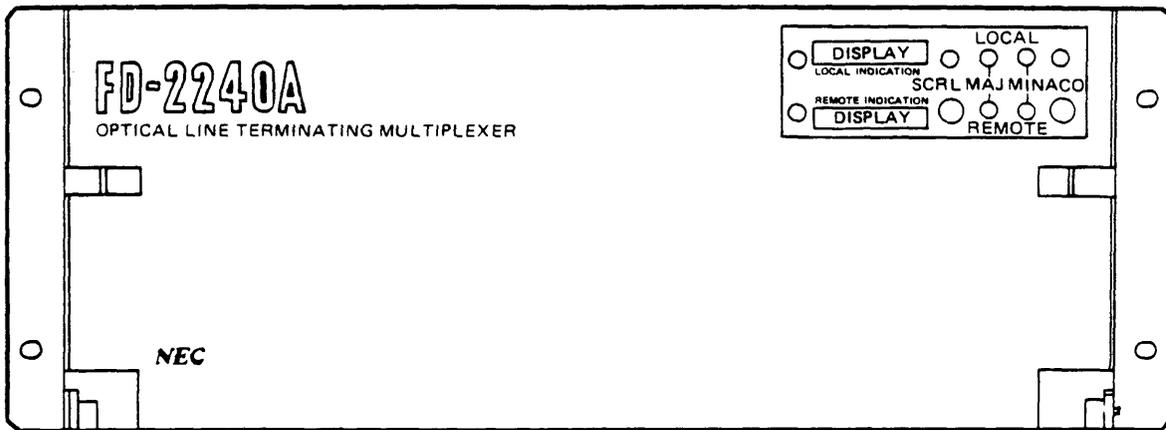
3.01 The rack should be installed for convenient access to associated equipment. Be sure to allow enough room behind the rack for access to connectors on the back of shelf.

3.02 Figure 3-1 shows a typical method for installing a standard EIA 19-inch rack. Other methods appropriate for a particular location may be used.

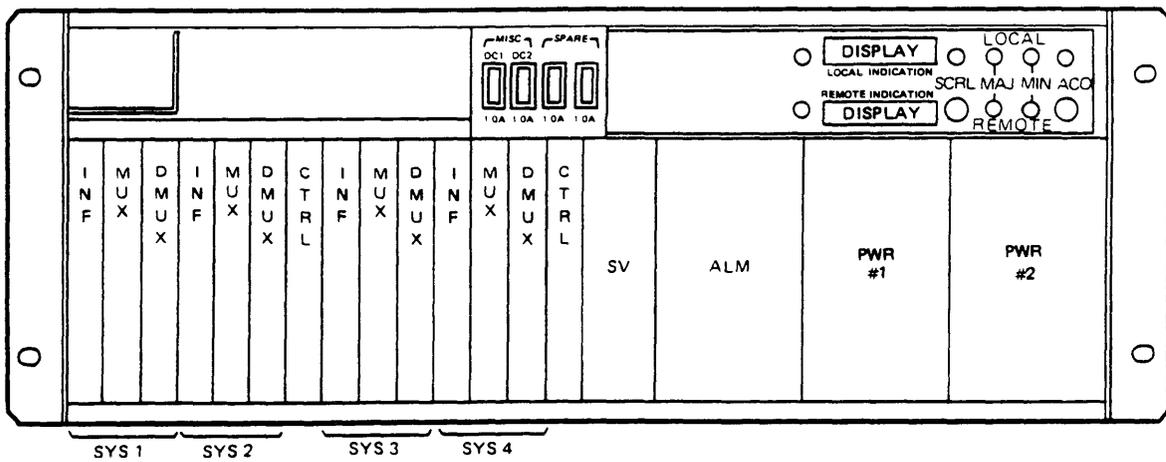
3.03 If the 6.3MB O-LTM is to be installed in an area where earthquakes are prevalent and to provide maximum stability, the rack top should be secured to a suitable support. Figure 3-2 shows a typical method for securing the rack top.

4. SHELF MOUNTING

4.01 Position a bottom shelf in the lowest rack position. Align shelf and rack holes and install four flat washers and pan-head machine screws (PHMS). Refer to Figure 4-1. Stack and install remaining shelves.

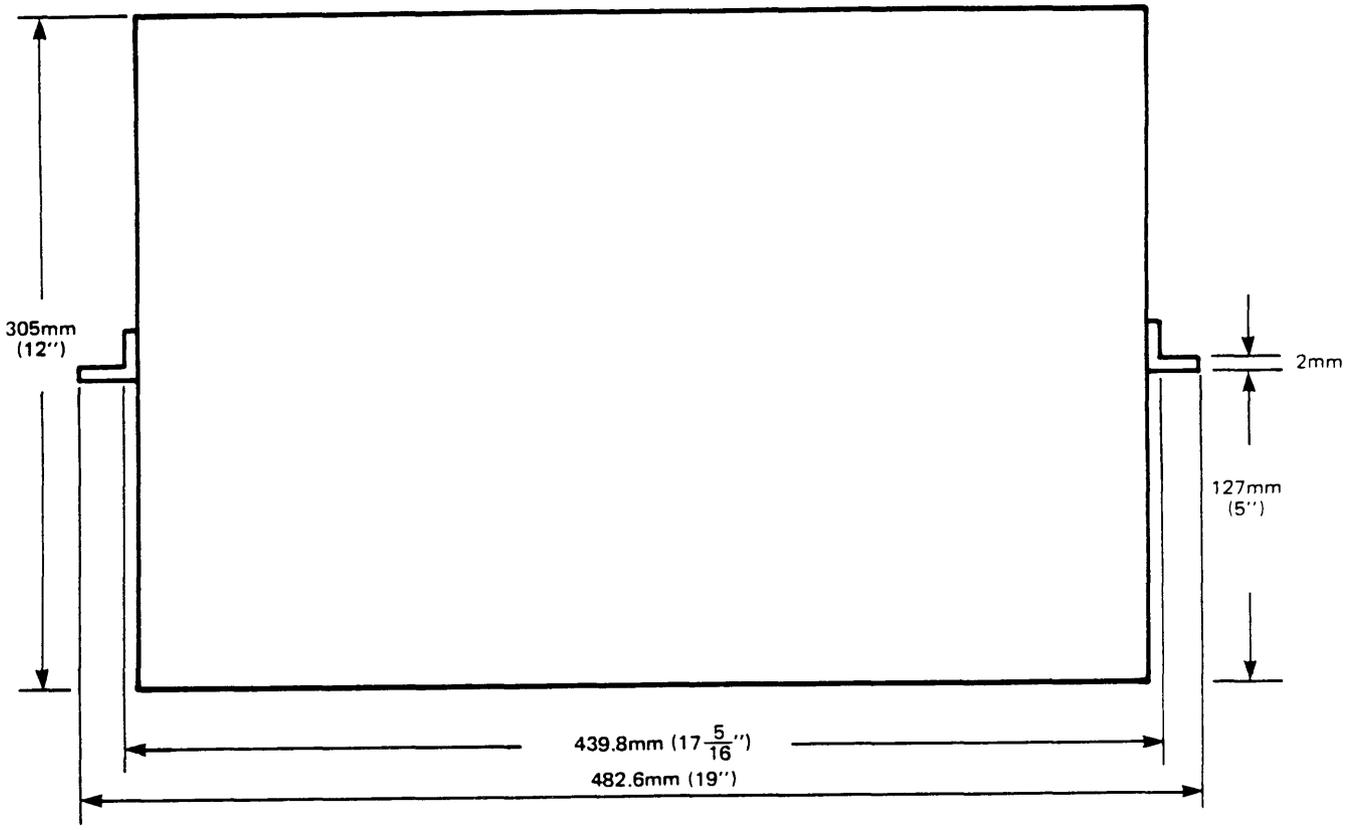


(A) FRONT VIEW WITH COVER CLOSED

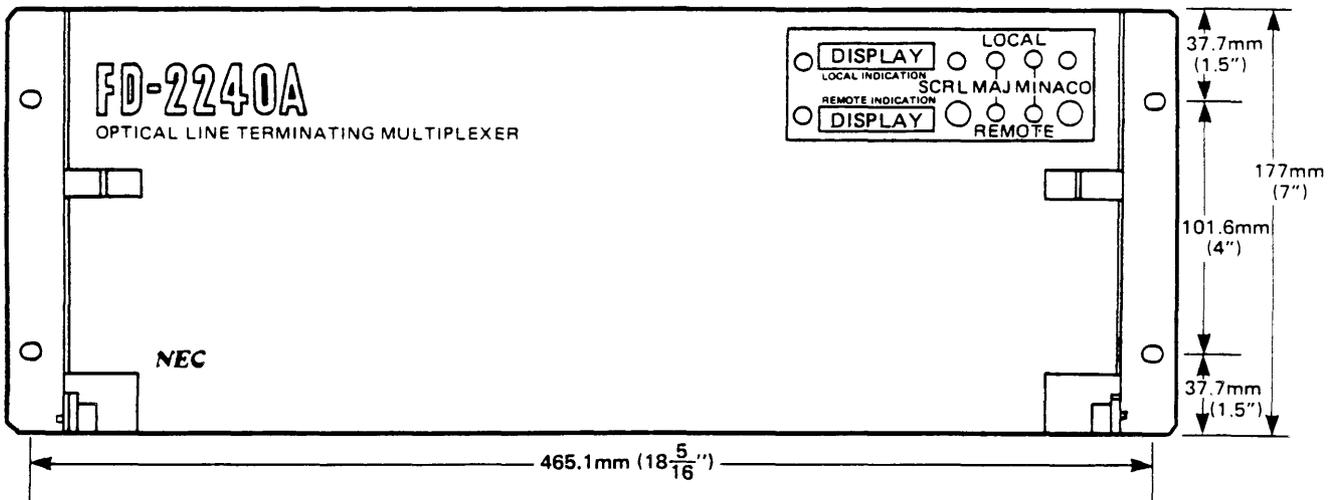


(B) FRONT VIEW WITH COVER OPENED
(PLUG-IN UNITS INSTALLED)

Figure 2-1 FD-2240A Front View



(a) Top View



(b) Front View

Figure 2-2 FD-2240A Dimensions

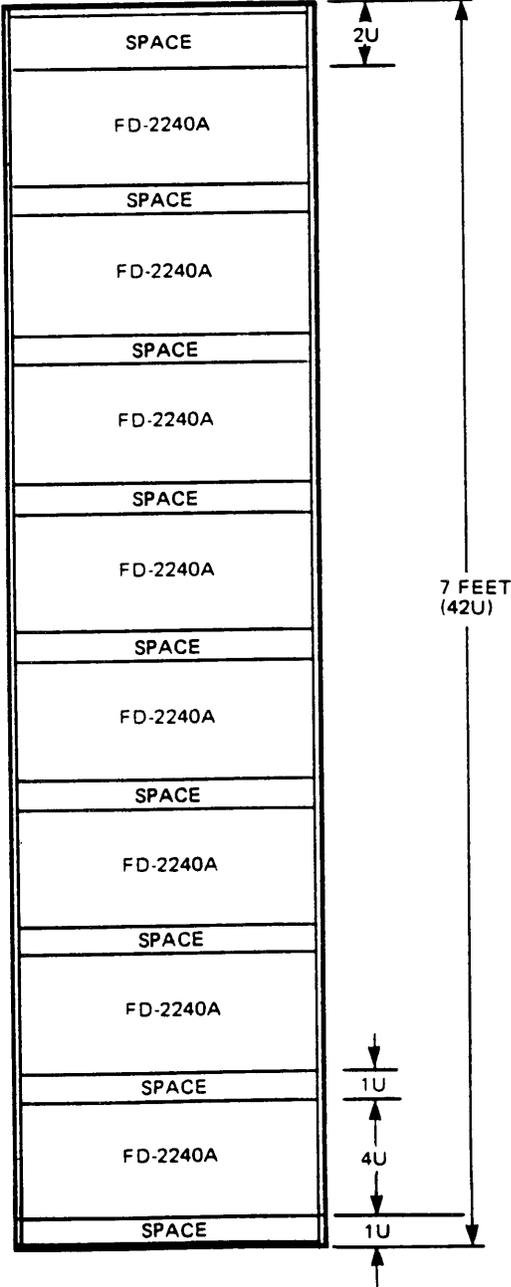
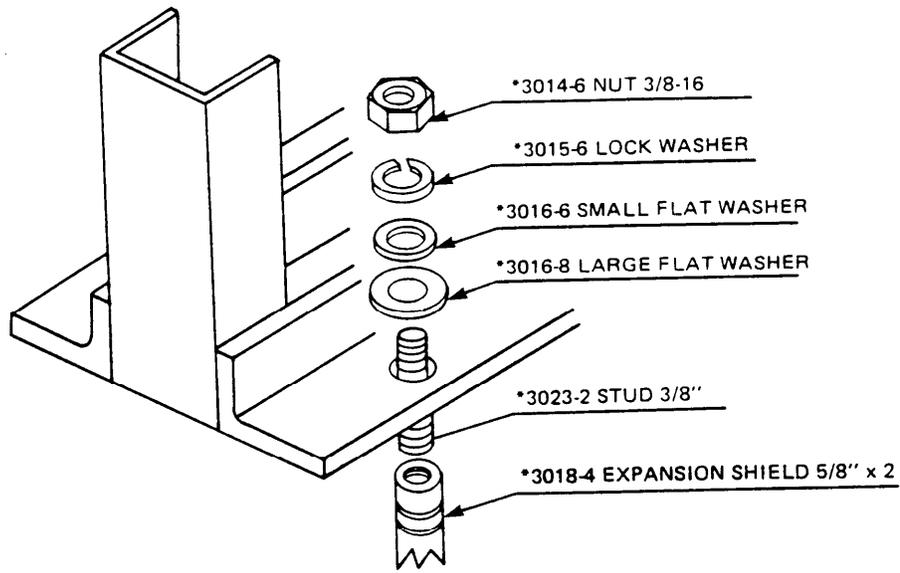


Figure 2-3 Shelf Spacing in Rack



NOTE: * Indicates part No. from NEWTON INSTRUMENT CO., Durham, N.C.

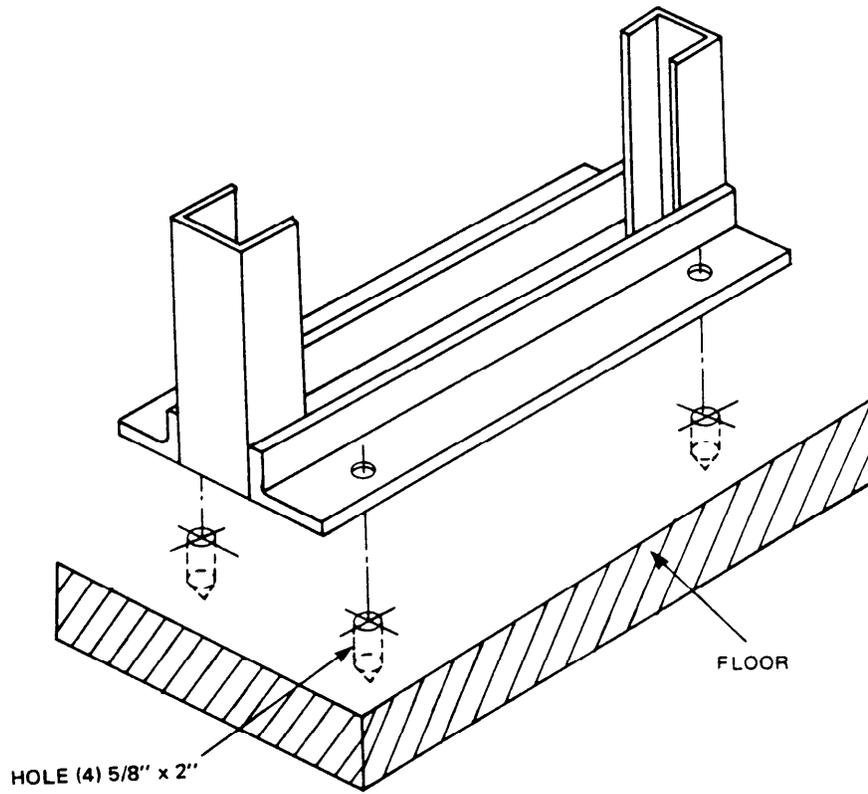


Figure 3-1 Standard EIA 19-Inch Relay Rack Installation

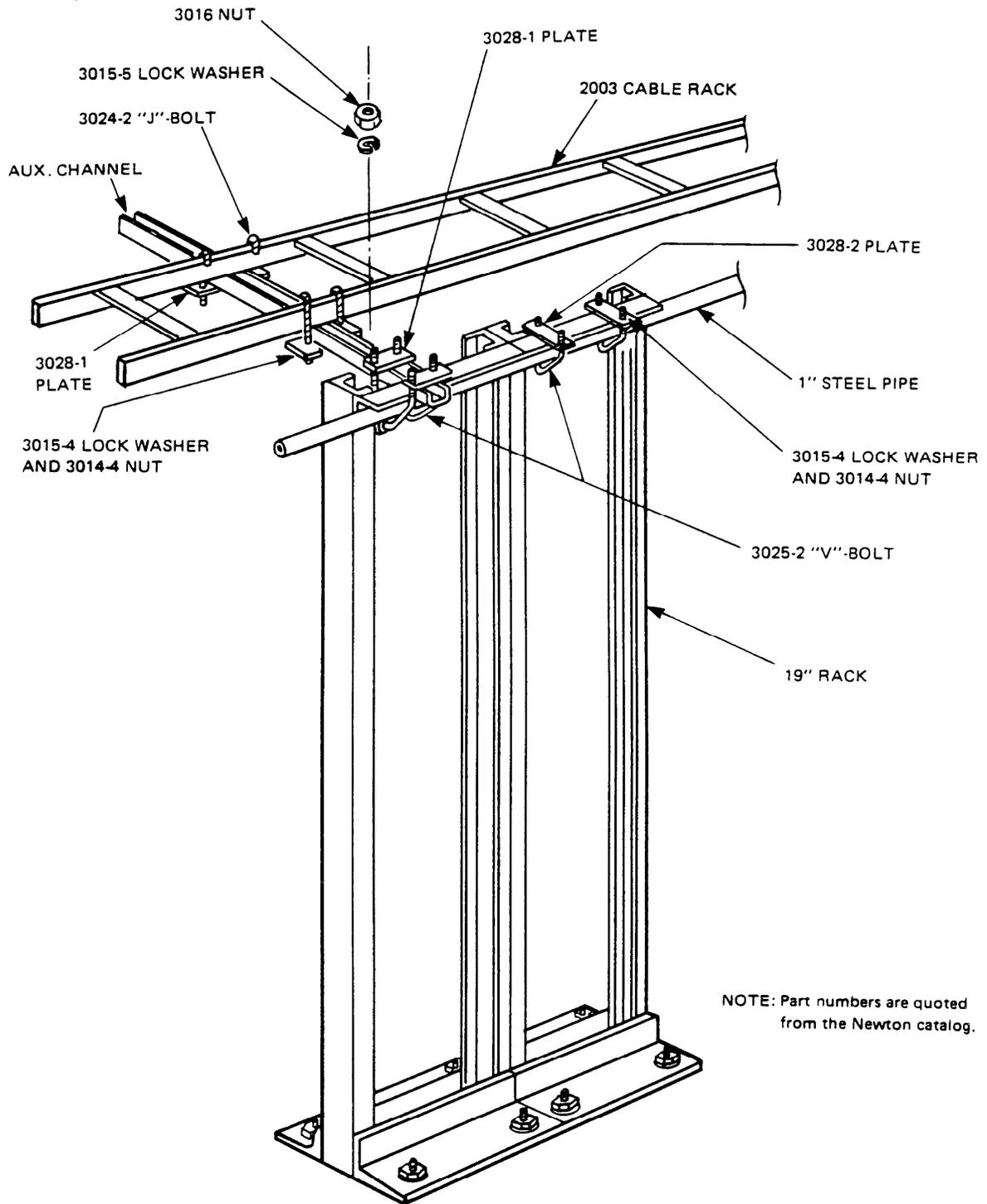


Figure 3-2 Rack Top Mounting Details

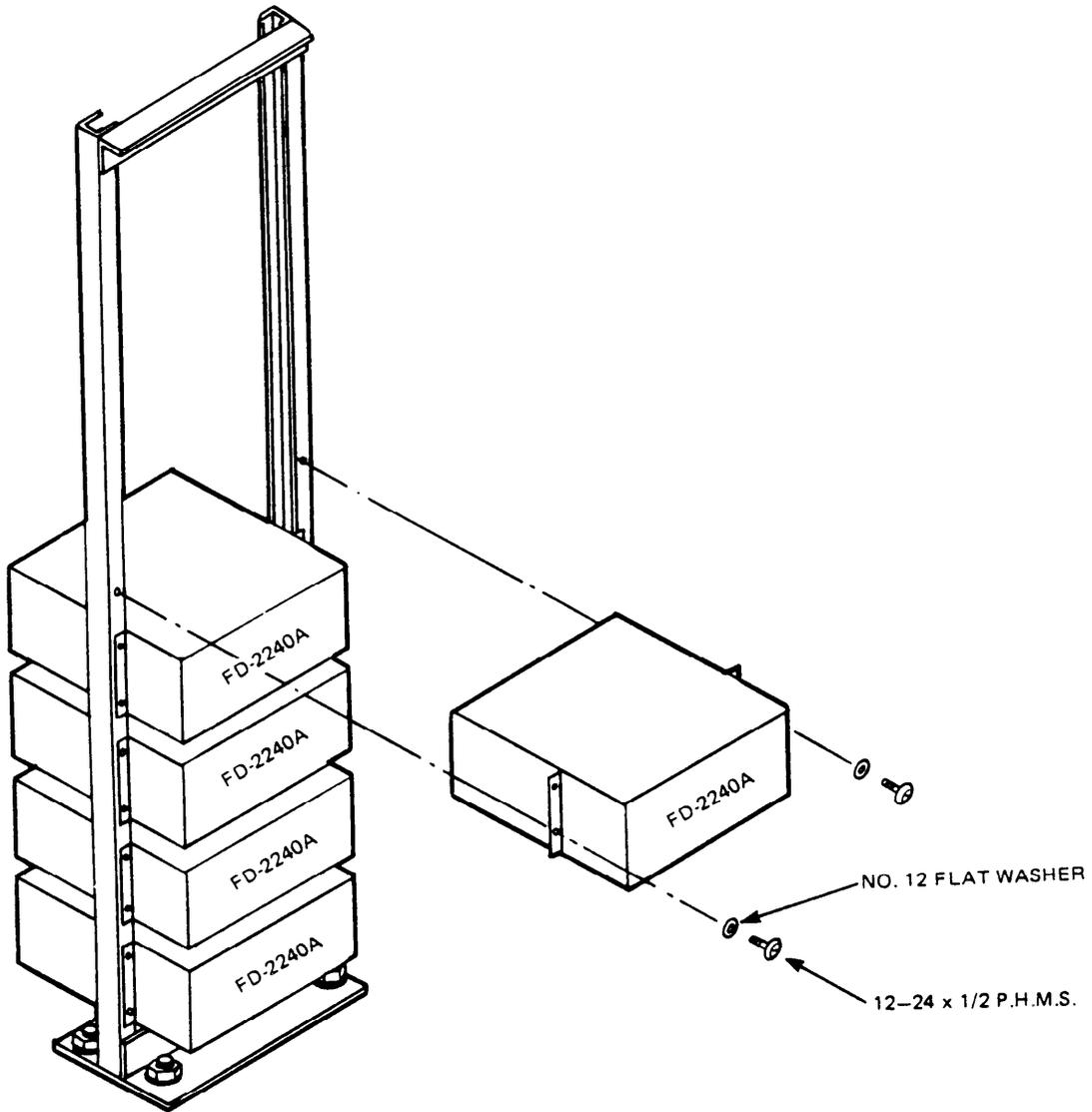


Figure 4-1 Shelf Mounting