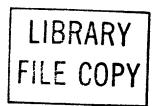
## DRESSING OF SKINNERS WIRING AND CABLING GENERAL EQUIPMENT REQUIREMENTS

CONTENTS		PAGE		FIG	PAGE
1. GENERAL		2	Lamp Sockets—Aisle Pilot	36	23
Scope		2	Loading Coils	37	23
2. REQUIREMENTS FOR DRESSIN SKINNERS		2	Message and Traffic Registers	38	23
Relay Rack Ground Leads			Networks	39	24
		4	Pads	19	15
CHECK LIST OF FIGURES			Plugs and Sockets—(Jones Type)	40	25
	FIG	PAGE	Protectors	18	14
Alternate Dress—General	2	3	Relays	41-49	26-30
Banks	3-5	4-6	Repeating Coils	50-53	308.31
Capacitors	6-9	7&8	Resistance Lamps	35	22
Connecting Blocks	10-16	9-12	Resistors	54-55	32&33
Connecting Racks, Terminals, and Terminal Punchings	17	13	Reverse Bend—General	1	3
Connectors	18	14	Selectors	56-59	33-36
Electron Tube Sockets	19	15	Switch Mounting Plates	60	37
Filters	20	16	Switches		
Fuse Panels	21-23	16&17	197 Туре	61	38
Induction Coils	43	27	Yaxley Type	62	39
Inductors	24	18	Terminal Strips	63-80	39-53
Jacks	25-30	18-20	Transformers	81	54
Keys	31-34	208.21	Varistors	82	54
Lamps	35	22	Wheatstone Bridge	83	54



3 4

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

Printed in U.S.A.

#### GENERAL

#### Scope

1.01 This section covers the general equipment practices for the dressing of skinners to apparatus. For running of surface wiring and loose wiring, refer to Section 800-612-153. For dressing of skinners to apparatus which is exclusively used in crossbar-type equipment, refer to Section 800-612-163. For dressing of skinners to power plant apparatus, refer to Section 800-612-165. For dressing of skinners to electronic-type equipment, refer to Section 800-612-150.

1.02 This section is reissued to bring the information it contains into agreement with the latest practices. Since this reissue covers a general revision, the arrows ordinarily used to indicate changes have been omitted.

1.03 The requirements in this section shall be followed except as modified by applicable specifications and drawings.

#### 2. REQUIREMENTS FOR DRESSING OF SKINNERS

2.01 Dress skinners to various kinds of apparatus as shown herein. The dress to any particular piece of apparatus, not illustrated, should agree as nearly as possible with the dress shown in the illustrations of apparatus it most closely resembles.

2.02 Dress all skinners to present a neat appearance and, as far as possible, to permit access to all connections. In the case of solderless wrapped connections, special care should be taken to dress the skinners to permit future access for the wrapping tool.

2.03 All wires shall be dressed away from vitreous-enamel-type resistors, potentiometers (rheostats), and other heat-producing components to reduce a possible fire hazard.

2.04 After being dressed, except where the type of insulation permits (such as type BG, DM, BW, or DP wire), skinners such as those of type BU or BY wire should not rest against any metal work other than the apparatus terminal to which they are connected. In cases where skinners are dressed between rows of terminals on relatively close spacing, as usually encountered at wire-spring relays and terminal strips, the skinners may touch other terminals. In no

case, however, should they be dressed across the edges of other terminals so tightly as to result in pressure between the wires and terminals which might cause insulation breakdown.

(a) Plastic-insulated wire without textile covering that has not been irradiated should not be allowed to come in contact with another terminal which is being soldered. Type BF wire connected to terminal strips that are not arranged for solderless wrapping should be connected in accordance with Fig 80.

2.05 On modifications, unless otherwise specified, the dress of new wiring at any particular piece of apparatus should conform to the existing wiring of the apparatus. Where the change involves all of the old wiring at a particular piece of apparatus, the new wiring should conform with the lates dressing requirements for the apparatus, wherever practicable.

2.06 At terminal strips without fanning strips, such as 181B and similar types, there should be visible clearance between wires and the back edges of rear terminals. Approximately 1/8 inch is desirable to minimize the risk contact in case of movement of the forms.

2.07 At 65B- and 182C-type terminal strips, dress all wires away from adjacent terminals.

2.08 A number of figures (such as Fig 48) show the leads dressed to the lower terminals in the same manner as the dress to the upper terminals. This dress has been used to prevent reverse bends (see Fig 1) in the leads when gun-wrapped connections are made. However, the leads to the lower terminals may be dressed, as shown in Fig 2, provided the connection is made in a manner that does not result in a reverse bend in the dressing operation.

#### **Relay Rack Ground Leads**

2.09 Leads between the No 6 bay ground lead and the terminal to which the leads connect should be run in a direct manner without any particular dress and with just sufficient slack to avoid tautness or strain on the leads.

(a) Where the unit is surface or similarly wired and the point of connection is not adjacent to the No.6 ground lead, the leads shall be run as surface wiring to the end apparatus position. From this point they shall be run in a direct manner without any particular dress.

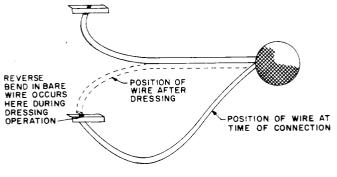
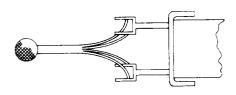


ILLUSTRATION OF A REVERSE BEND

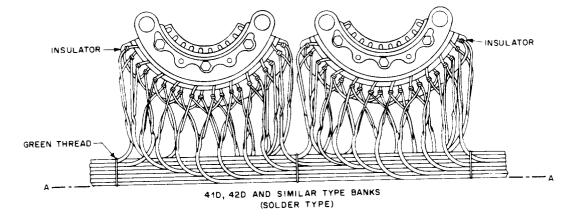
Fig 1—Illustration of a Reverse Band

(b) Where the unit is served by a sewed form, the leads from the terminal strip to the No.6 ground lead should be sewed into the form or superimposed thereon, whichever is more practicable, from the points where the leads break out of the form at the terminal strips to the end of the form. From the end of the form they shall be run to the No.6 ground lead in a direct manner without any particular dress.



ALTERNATE METHOD OF DRESS

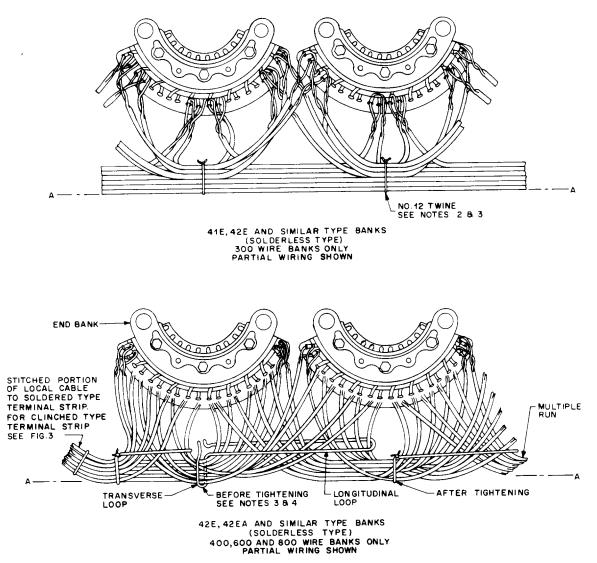
#### Fig 2-Alternate Method of Dress



NOTES

- TES THE FACE OF THE BANK WIRING AS REPRESENTED BY A-A SHOULD BE DRESSED TO PRESENT A NEAT APPEARANCE AS FAR AS PRACTICABLE, THE SKINNERS SHOULD BE DRESSED AWAY FROM THE TERMINALS AS SHOWN TO PREVENT ANY OF THE WIRES FROM COMING IN CONTACT WITH ADJACENT TERMINALS. NO FURTHER DRESS WILL BE NECESSARY BETWEEN THE FACE OF THE WIRING AT A-A AND THE POINTS WHERE THE SKINNERS LEAVE THE BANK TERMINALS.
- 2. IN THE CASE OF 41D, 42D, ETC. (SOLDER TYPE) BANKS, THE WIRING BETWEEN THE STITCHED PORTION OF THE INCOMING LOCAL CABLE FORM AND THE END BANK AND BETWEEN BANKS SHOULD BE HELD IN PLACE WITH A SINGLE LOOP OF THREE PLY GREEN THREAD TIED UNDER THE MULTIPLE RUN WITH 1-1/2 SQUARE KNOTS OR EQUIV.
- 3. THE TIES SHOULD BE OF UNIFORM TIGHTNESS SUFFICIENT TO MAINTAIN THE WIRES WITHIN THE VERTICAL SPACE AVAILABLE AND HELD IN A MANNER TO AVOID PROJECTION BELOW THE ENDS OF THE ASSOCIATED BANK RODS AND TO MAINTAIN A NEAT APPEARANCE WITHOUT INJURING THE WIRES.

Fig 3—Banks—41, 42, and Similar Types (Solder Type)—Multiple Wiring

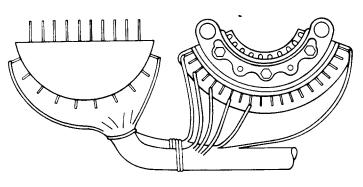


NOTES

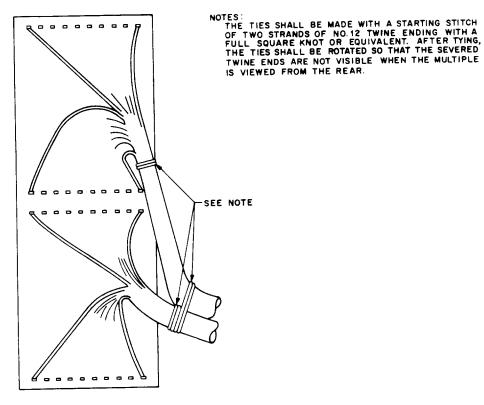
- THES: THE FACE OF THE BANK WIRING AS REPRESENTED BY A-A SHOULD BE DRESSED TO PRESENT A NEAT APPEARANCE. AS FAR AS PRACTICABLE, THE SKINNERS SHOULD BE DRESSED AWAY FROM THE TERMINALS AS SHOWN TO PREVENT ANY OF THE WIRES FROM COMING IN CONTACT WITH ADJACENT TERMINALS. NO FURTHER DRESS WILL BE NECESSARY BETWEEN THE FACE OF THE WIRING AT A-A AND THE POINTS WHERE THE SKINNERS LEAVE THE BANK TERMINALS.
- 2. IN THE CASE OF 41E, 42E, ETC. (SOLDERLESS TYPE) BANKS, THE WIRING SHALL BE TIED BETWEEN THE STITCHED PORTION OF THE INCOMING CABLE FORM AND THE END BANK AND BEHIND THE CENTER OF EACH BANK EXCEPT THE WIRING BEHIND THE END BANK TO WHICH THE LOCAL CABLE DOES NOT CONNECT, WHICH SHALL NOT BE TIED. THE TIES SHALL BE MADE WITH A SINGLE LOOP OF NO.12 TWINE, TIED ON THE INNER SURFACE OF THE MULTIPLE RUN WITH 1-1/2 SQUARE KNOTS OR EQUIV. AFTER TYING THE TIES SHALL BE ROTATED SO THAT THE KNOTS AND THE SEVERED TWINE ENDS ARE BELOW THE TOP SURFACE OF THE MULTIPLE RUN TO THE EXTENT THAT THEY WILL NOT BE VISIBLE WHEN THE MULTIPLE IS VIEWED DIRECTLY FROM THE REAR.
- 3. THE TIES SHOULD BE OF UNIFORM TIGHTNESS SUFFICIENT TO MAINTAIN THE WIRES WITHININ THE VERTICAL SPACE AVAILABLE AND HELD IN A MANNER TO AVOID PROJECTION BELOW THE ENDS OF THE ASSOCIATED BANK RODS AND TO MAINTAIN A NEAT APPEARANCE WITHOUT INJURING THE WIRES.
- IN THE CASE OF 42E, 42EA, ETC. (SOLDERLESS) TYPE BANKS WHERE THE MULTIPLE CONSISTS OF 400,600,0R 800 IN THE CASE OF 42E, 42EA, ETC. (SOLDERLESS) TYPE BANKS WHERE THE MULTIPLE CONSISTS OF 400,600,0R 800 WIRES, THE WIRING SHALL BE TIED WITH A COMBINATION TRANSVERSE AND LONGITUDINAL TIE USING SINGLE NO.42 TWINE STARTING AT THE LOCAL CABLE FORM NEXT TO THE END BANK WITH WHAT WOULD CORRESPOND WITH THE TRANSVERSE PORTION OF THE COMBINATION TIE, AND CONTINUE TO THE CENTER OF THE FIRST BANK WITH WHAT WOULD CORRESPOND WITH THE LONGITUDINAL PORTION OF THE TIE CONTINUE THE COMBINATION TIES THROUGH THE BANKS EXCEPT OMIT THE TRANSVERSE TIE AT AN END BANK NOT CONNECTED TO A LOCAL CABLE OR CABLE EXTENSION MAKE TIES AT THE TRANSVERSE PORTION OF THE TIE ON THE UPPER SURFACE OF THE MULTIPLE USING 1-1/2 SQUARE KNOTS OR EQUIVALENT AND ROTATE SO THAT THE KNOTS AND SEVERED TWINE ENDS ARE BELOW THE TOP SURFACE OF THE MULTIPLE AND NOT VISIBLE WHEN THE MULTIPLE IS VIEWED FROM THE REAR



,



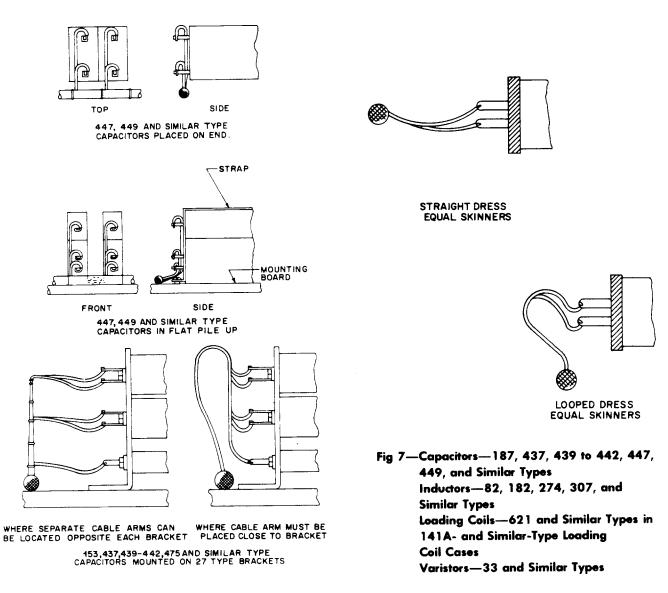
TOP VIEW



REAR VIEW

Fig 5-Bank Multiple Wiring to 264-Type Terminal Strips

.



.

# Fig 6—Capacitors—153, 437, 439 to 442, 447, 449, 475, and Similar Types

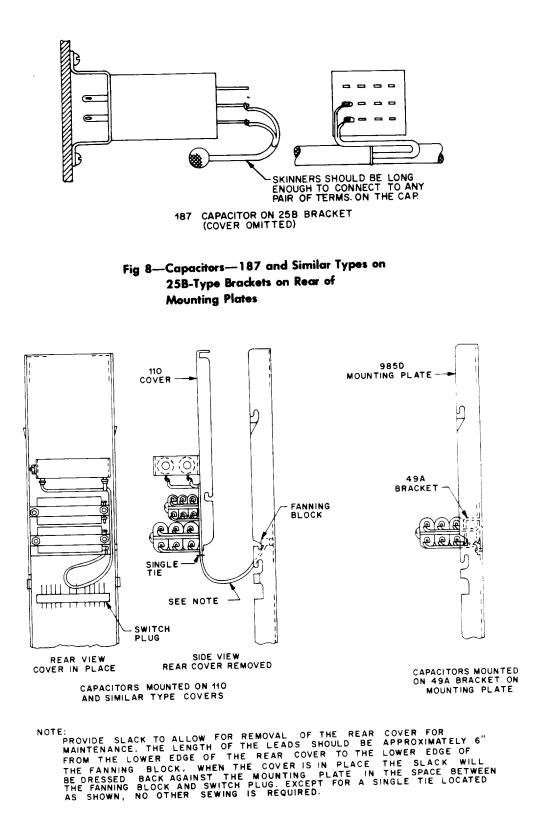


Fig 9—Capacitors—447, 449, and Similar Types, or Similar Apparatus Mounted on Rear Covers or on 49A-Type Brackets on 985- and Similar-Type Switch Mounting Plates

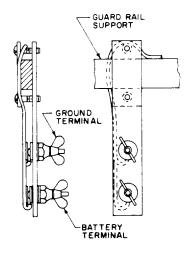
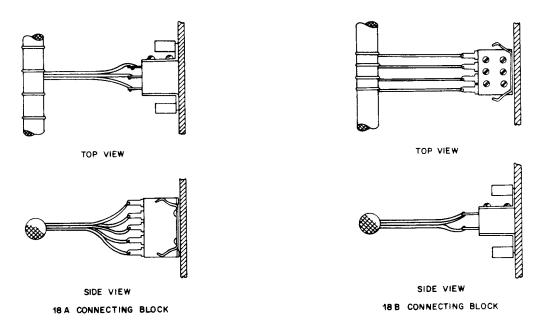


Fig 10—Connecting Blocks—17B and Similar Types Mounted on Vertical Side of MDF



NOTE: HORIZONTAL CABLE FORMS ARE SHOWN, WITH VERTICAL CABLE FORMS, SKINNERS TO THE 18A CONNECTING BLOCK SHOULD BE TAKEN OUT AT SEPARATE STITCHES FOR EACH SET OF THREE TERMINALS. WITH VERTICAL CABLE FORMS, SKINNERS TO THE 18B CONNECTING BLOCK SHOULD ALL BE TAKEN OUT AT THE SAME STITCH.

Fig 11---Connecting Blocks----18 and Similar Types on Mounting Plates

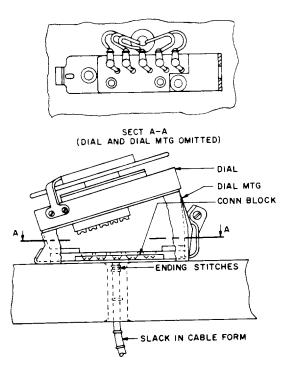


Fig 12—Connecting Blocks—25 and Similar Types

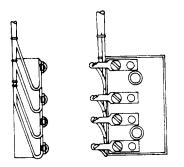
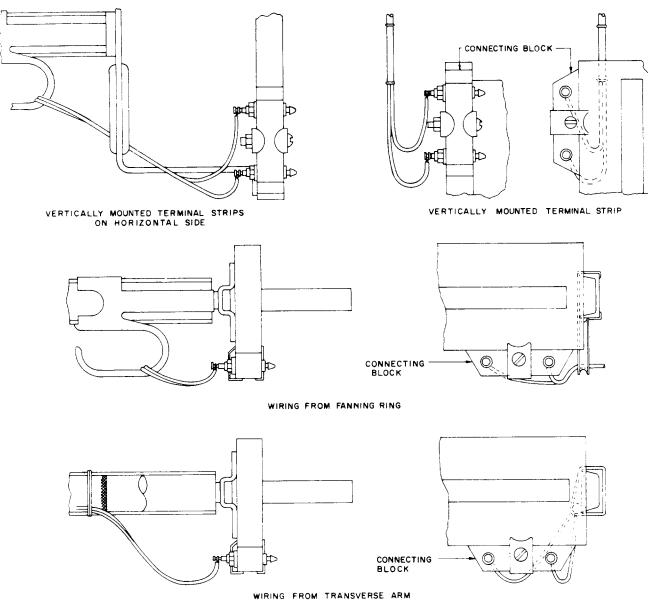


Fig 13—Connecting Blocks—27 and Similar Types



HORIZONTALLY MOUNTED TERMINAL STRIPS

Fig 14—Connecting Blocks—33 and Similar Types on Terminal Strips

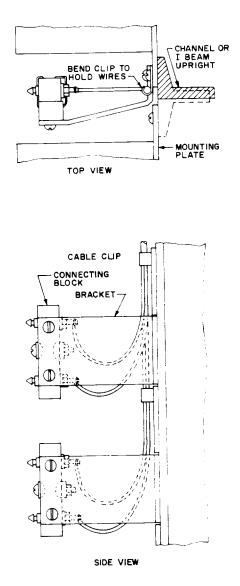


Fig 15—Connecting Blocks—33 and Similar Types on Relay Racks

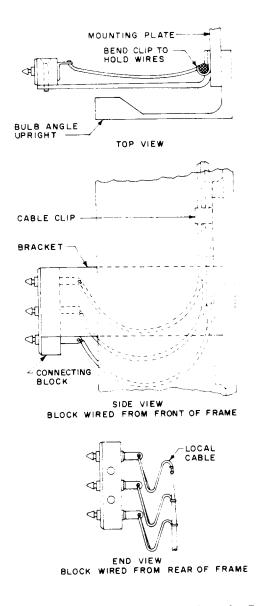


Fig 16—Connecting Blocks—55 and Similar Types

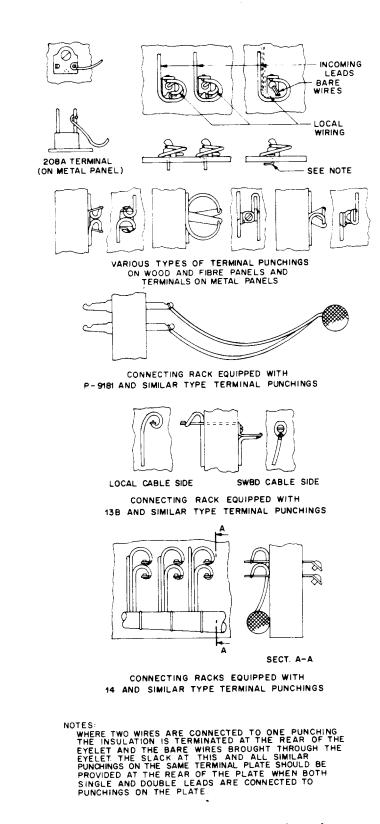


Fig 17—Connecting Racks, Terminals, and Terminal Punchings

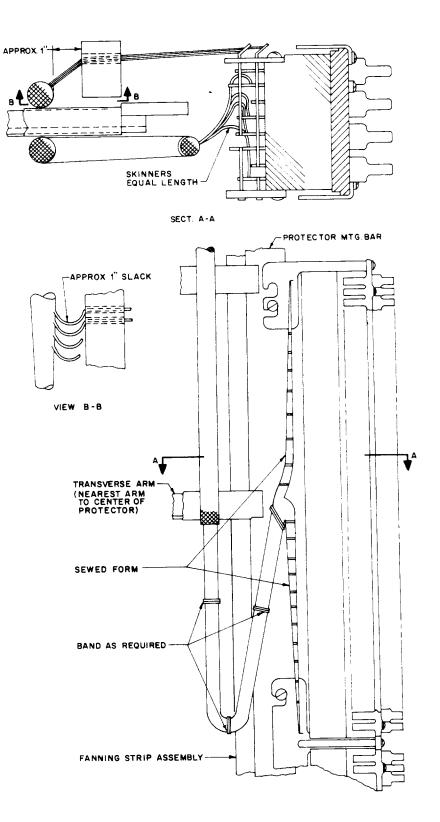


Fig 18—Connectors—300 Type, Protectors—121 Type

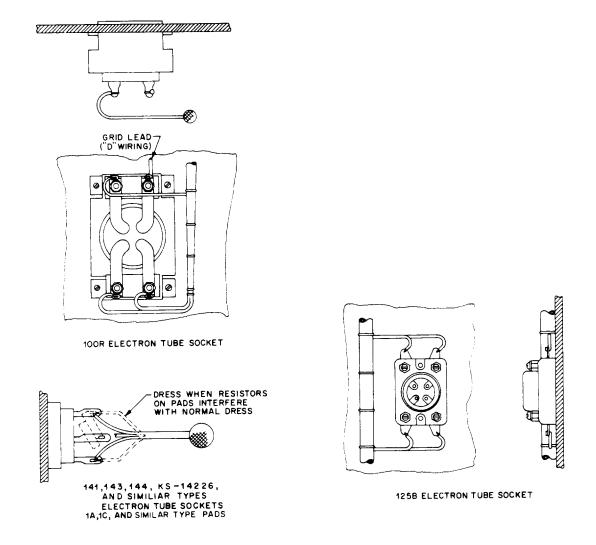
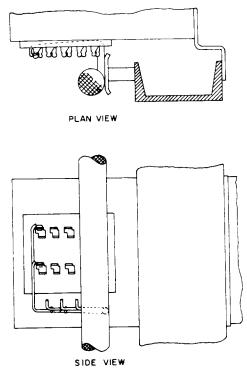


Fig 19—Electron Tube Sockets—100, 125, 141, 143, 144, KS-14226, and Similar Types Pads—1A, 1C, and Similar Types

٠



CHANNEL TYPE RELAY RACK SHOWN

NOTE :

IN CAH TYPE CARRIER EQUIPMENT THE OUTER RUBBER COVERING OF 720 TYPE CABLE SHOULD BE TERMINATED AT THE VERTICAL FORM AND THE SKINNERS DRESSED IN THE NORMAL MANNER.



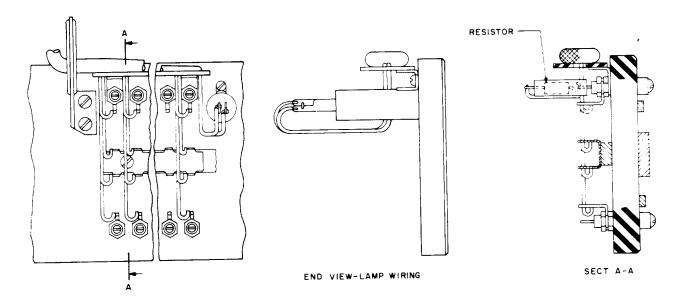


Fig 21—Fuse Panels (With Fanning Strip)—60 - Capacity Double Row

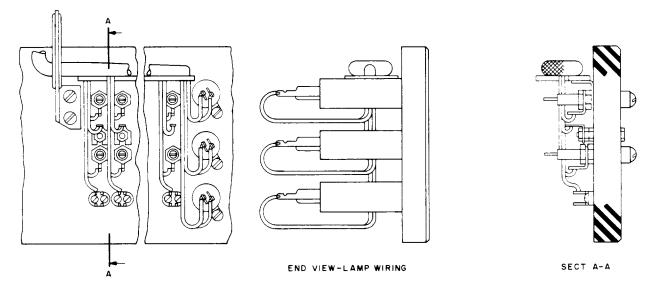
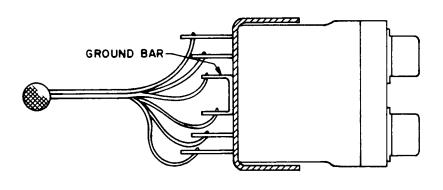


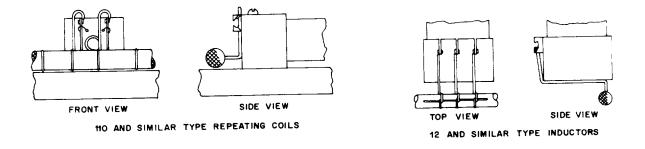
Fig 22—Fuse Panels (With Fanning Strip)—30 - Capacity Individually Mounted

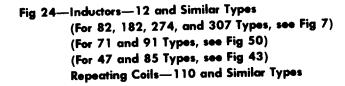


,

END VIEW

Fig 23—Fuse Panels - Modular Type





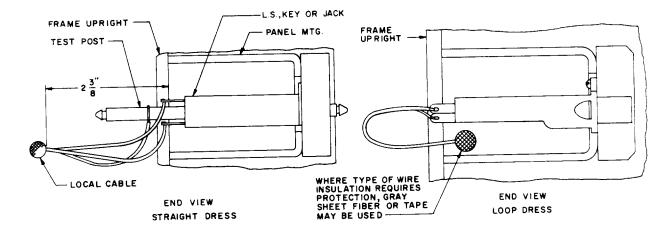
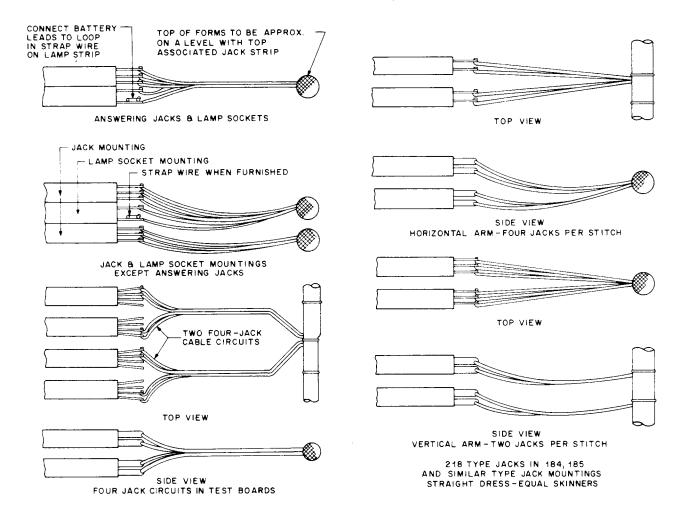


Fig 25—Jacks, Test Posts, and Associated Equipment—Panel Mounted





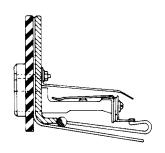
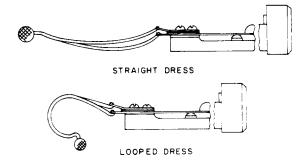
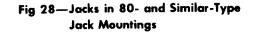
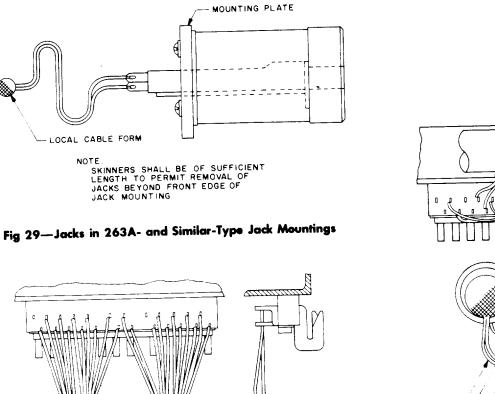
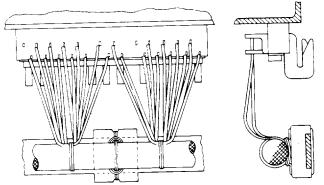


Fig 27—Operator Telephone Jacks

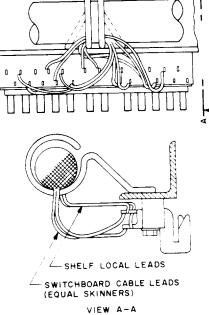




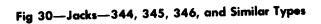




AT FRAMES ARRANGED FOR SEWED FORMS



AT FRAMES ARRANGED FOR LOOSE WIRING



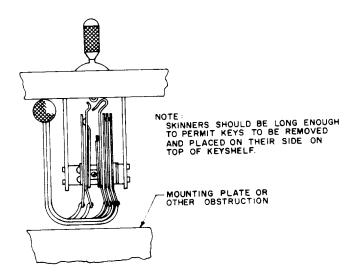
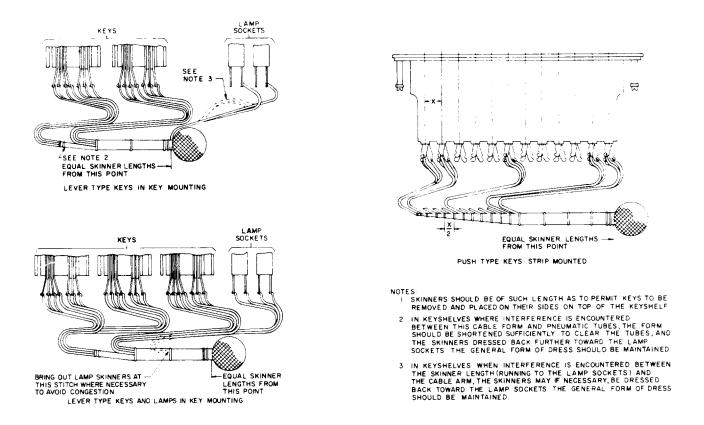
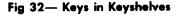
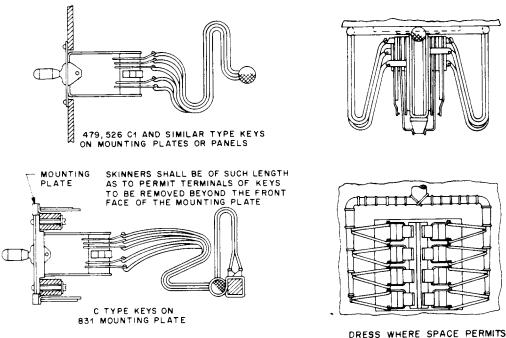
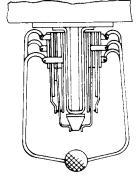


Fig 31—Keys—Individually Mounted in Test Cabinets, Turrets, Test Wagons, and Keyshelves With Shallow Key Pans







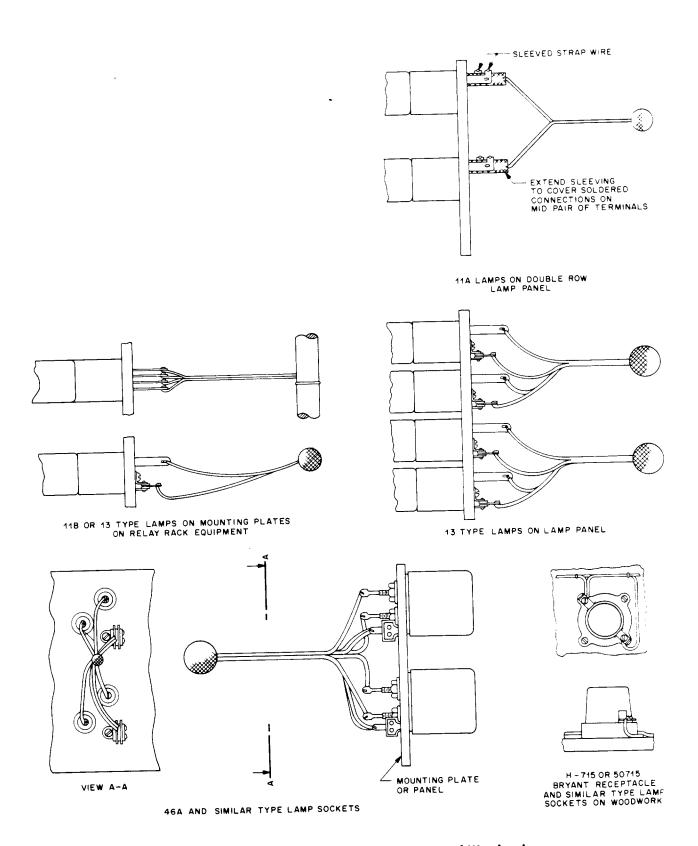


DRESS WHERE SPACE WILL NOT PERMIT ARRANGEMENT AS SHOWN AT LEFT

Fig 33—Keys—479, 526, C1, and Similar Types Mounted on 831C- and Similar-Type Mounting Plates or Panels

DRESS WHERE SPACE PERMITS







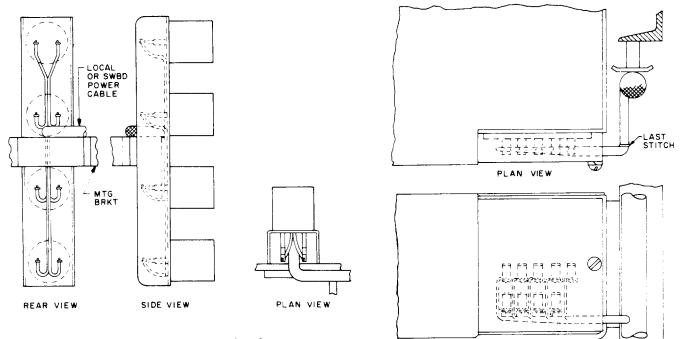
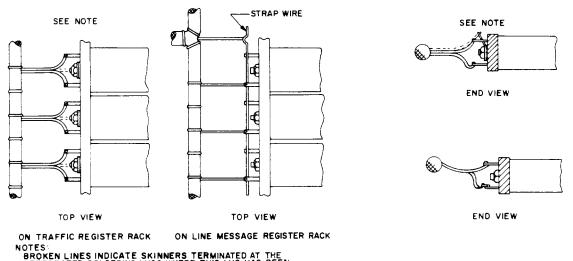


Fig 36-Lamp Sockets-Aisle Pilot

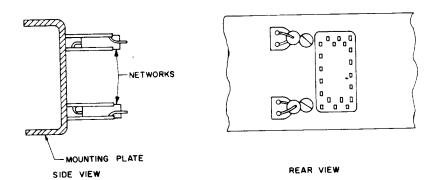
REAR VIEW 838 AND SIMILAR TYPE LOADING COIL CASES

Fig 37—Loading Coils — 711 and Similar Types — Loading Coil Cases—83 and Similar Types (See Fig 7 for 621- and Similar-Type Loading Coils in 141A- and Similar-Type Loading Coil Cases)

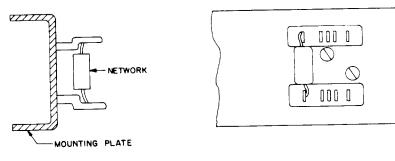


NOTES: BROKEN LINES INDICATE SKINNERS TERMINATED AT THE PERFORATED SOLDERING LUGS WHERE THIS LUG HAS BEEN MOUNTED IN A POSITION OTHER THAN SHOWN IN THE FIGURE, THE SKINNER SHOULD BE DRESSED IN A SIMILAR MANNER ~ WITH RESPECT TO THOSE TERMINATING AT THE REGULAR TERMINALS.

Fig 38—Message and Traffic Registers—14 and Similar Types



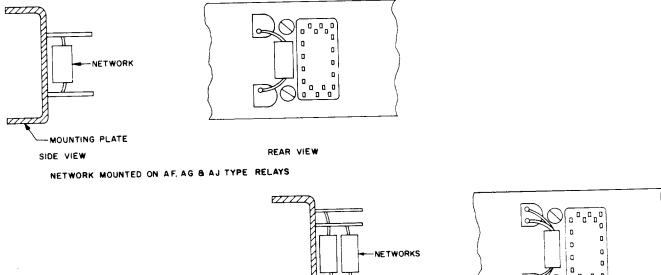
NETWORKS MOUNTED ON AK TYPE RELAYS (NON-COMMON BATTERY OR GROUND)

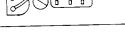


SIDE VIEW

REAR VIEW

NETWORK MOUNTED ON UB Y TYPE RELAYS





SIDE VIEW

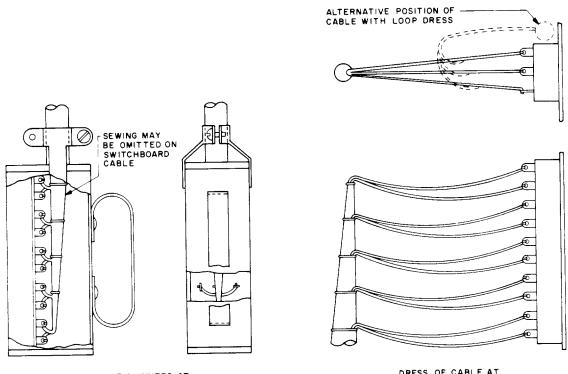
ZΖ.

REAR VIEW

NETWORKS MOUNTED ON AK TYPE RELAYS (COMMON BATTERY OR GROUND)

Fig 39—Networks—185, 186, and Similar Types

MOUNTING PLATE



DRESS OF SKINNERS AT JONES TYPE SOCKET

DRESS OF CABLE AT JONES TYPE PLUG

Fig 40—Plugs and Sockets—Cinch (Jones Type)

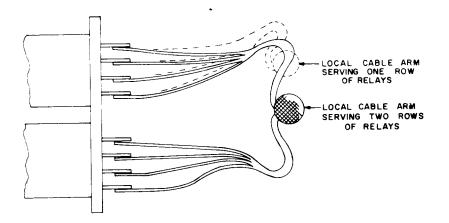
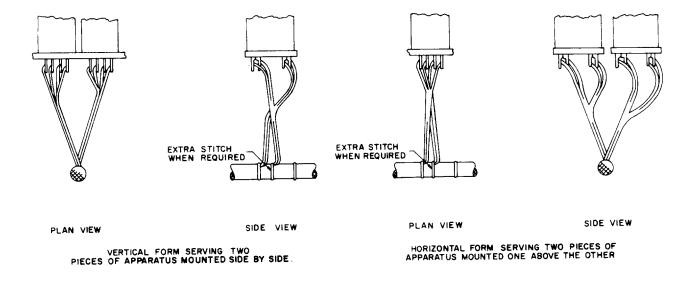
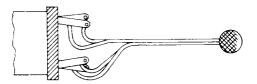


Fig 41—Relays—221, 223, 224, 225, and Similar Types



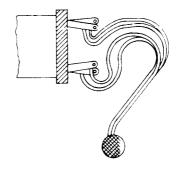




RECTANGULAR TYPE RELAYS AND COILS STRAIGHT DRESS-EQUAL SKINNERS



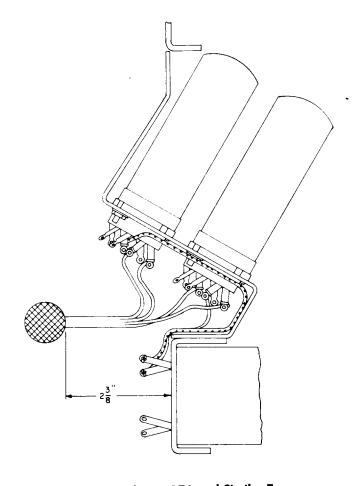
ROUND TYPE RELAYS AND COILS STRAIGHT DRESS-UNEQUAL SKINNERS

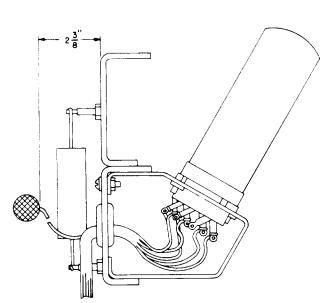


LOOPED DRESS-EQUAL SKINNERS

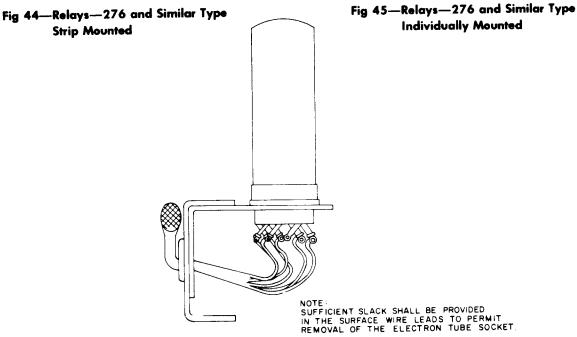
NOTE: DRESS OF SKINNERS TO 209,215 AND SIMILAR TYPE RELAYS MOUNTED IN CONNECTING BLOCKS IS COVERED IN THE FIGURE SHOWING DRESS OF SKINNERS TO 18 AND SIMILAR TYPE CONNECTING BLOCK.

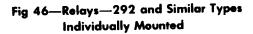
Fig 43—Relays—Strip Mounted (Not Including Wire-Spring Types—See Fig 49) Induction Coils—181 and Similar Types Inductors—47, 85, and Similar Types Repeating Coils—189 and Similar Types Resistors—44, 59, and Similar Types Skinners to Each Piece of Apparatus Brought Out at a Different Point

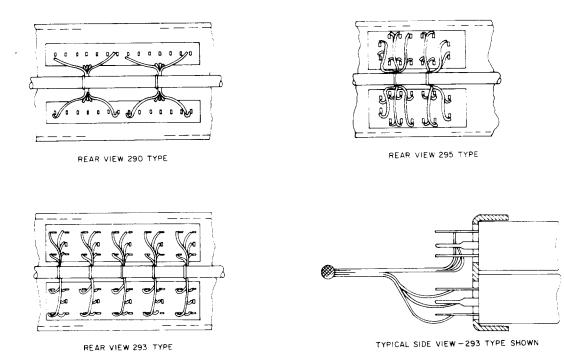




NOTE: IT WILL BE NECESSARY TO REMOVE ELECTRON TUBE SOCKET FOR ATTACHING WIRES TO TERMINALS AND SLACK IS PROVIDED IN SURFACE WIRING LEADS FOR THIS PURPOSE. SKINNERS FROM CABLE FORMS ARE SHOWN AS BEING WIRED FROM TIP OF FORM, IN WHICH CASE THE FORM CAN BE PULLED FORWARD TO PERMIT REMOVAL OF ELECTRON TUBE SOCKET. WHEN SKINNERS TO ELECTRON TUBE SOCKET ARE FROM BUTT OF FORM AND THE FORM IS SO RIGID THAT IT CAN NOT BE PULLED FORWARD IT WILL BE NECESSARY TO TERMINATE SKINNER AT SUPPLEMENTARY TERMINALS AT THE REAR OF THE MOUNTING PLATE; THESE SUPPLEMENTARY TERMINALS BEING WIRED TO ELECTRON TUBE SOCKET TERMINALS BY MEANS OF SURFACE WIRING. SUPPLEMENTARY TERMINALS SHOULD ALSO BE PROVIDED IN CASE OF SURFACE WIRING RUN BETWEEN ELECTRON TUBE SOCKETS









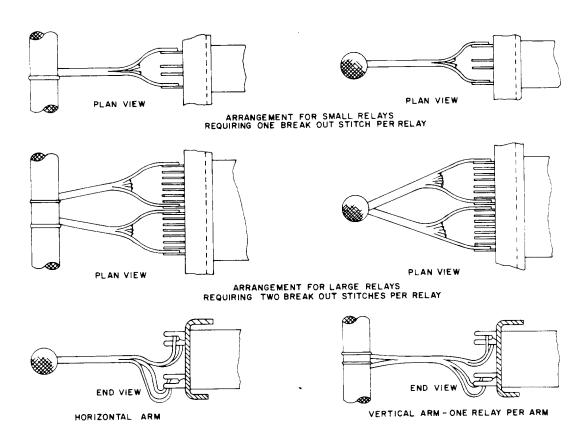
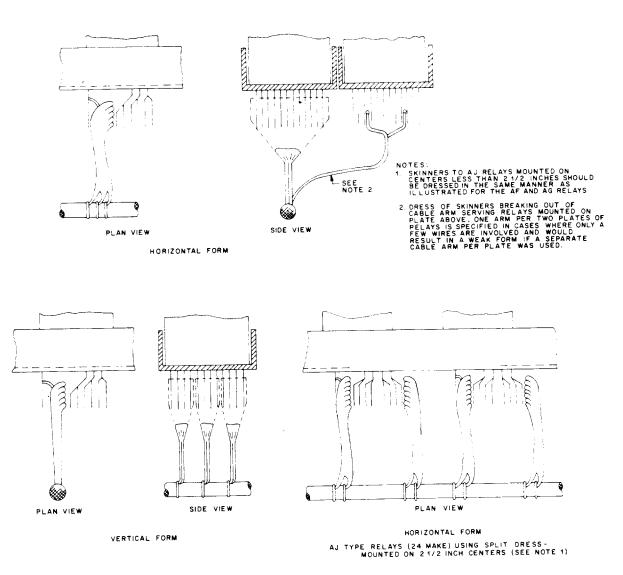
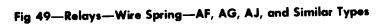


Fig 48—Relays—Strip Mounted—U, UA, Y, and Similar Types





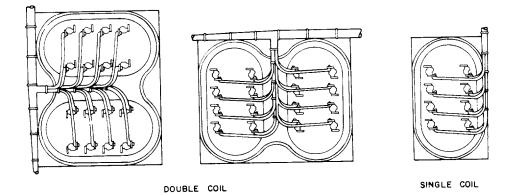
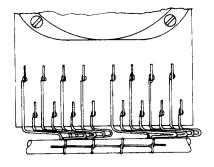
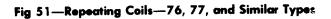
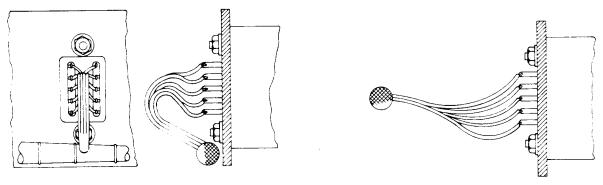


Fig 50—Repeating Coils—74, 91, and Similar Types Inductors—71, 91, and Similar Types



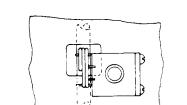
76,77 AND SIMILAR TYPE REPEATING COILS (NOT MOUNTED ON COIL RACKS)





LOOPED DRESS-EQUAL SKINNERS

STRAIGHT DRESS - EQUAL SKINNERS



### Fig 52—Repeating Coils—94 and Similar Types



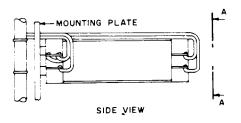


Fig 53—Repeating Coils—98 and Similar Types (For 189 Type, see Fig 43) (For 110 Type, see Fig 24)

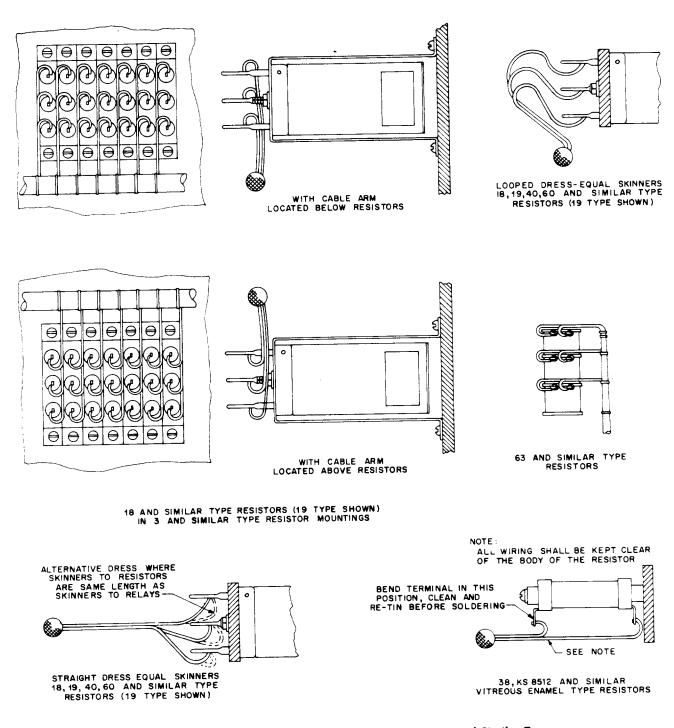


Fig 54—Resistors—18, 19, 38, 40, 60, 63, KS-8512, and Similar Types (For 44, 59, and Similar Types, see Fig 43) Resistor Mountings—3 and Similar Types

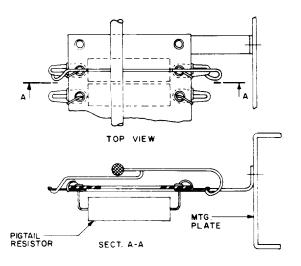


Fig 55—Resistors—Card-Mounted on Mounting Plates

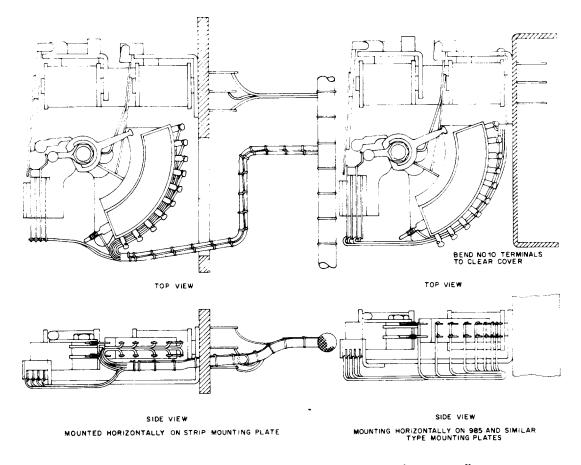


Fig 56—Selectors—204 and Similar Types Mounted Horizontally

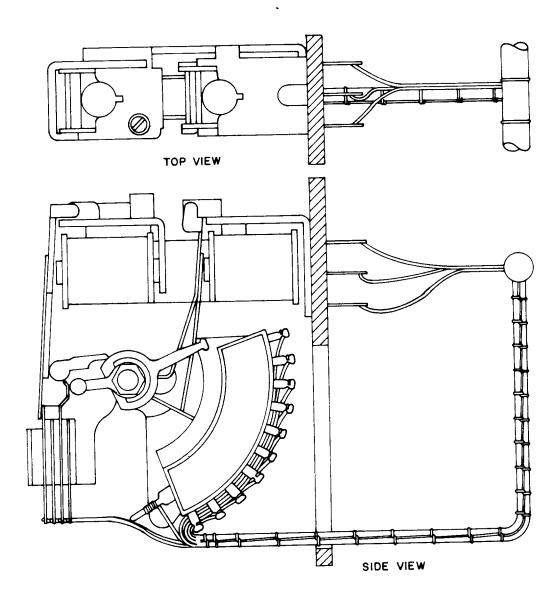


Fig 57—Selectors—204 and Similar Types Mounted Vertically

.

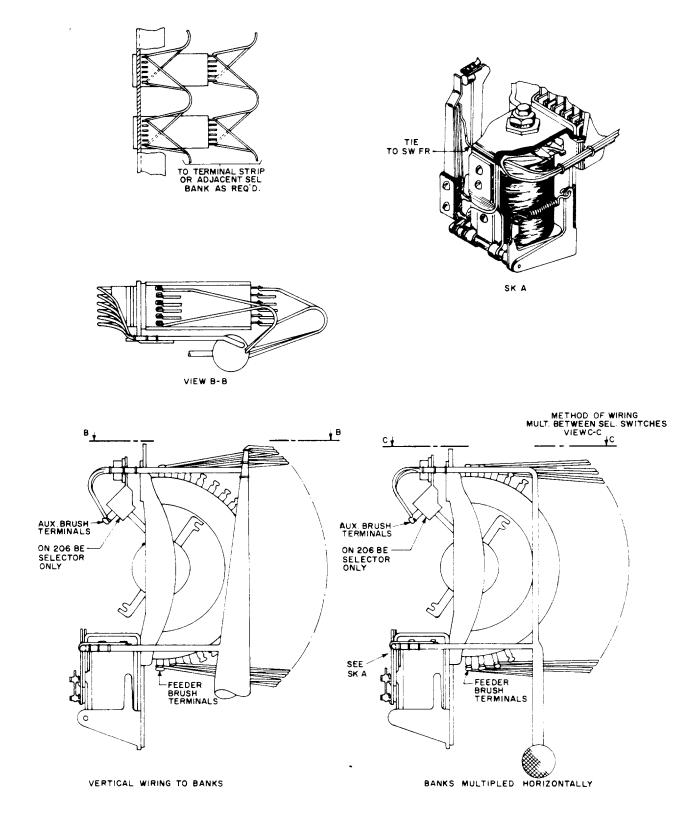


Fig 58—Selectors—206 and Similar Types

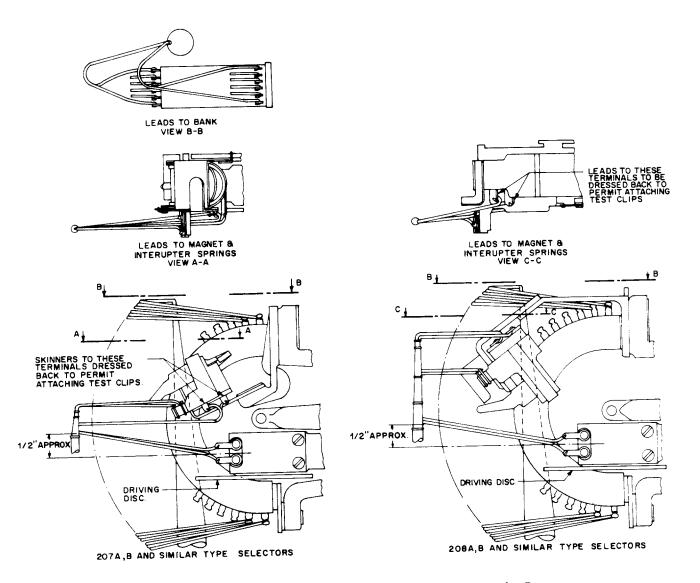
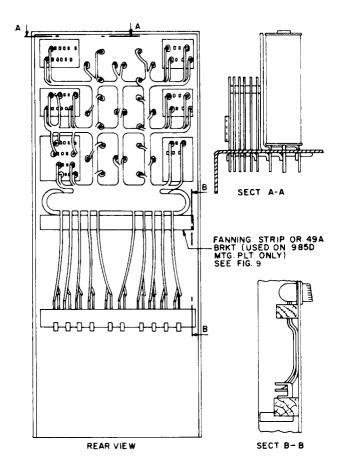


Fig 59—Selectors—207A, 207B, 207C, 208A, 208B, and Similar Types



.

NOTE: THE SW1 WIRING IS SHOWN TYPICAL TO SERVE ONLY AS A GUIDE IN UNIFORMLY DISTRIBUTING THE LEADS THROUGHOUT THE PATHS INDICATED. FOR WIRING TO APPARATUS ON REAR OF SWITCH COVERS OR ON 49A BRACKET. SEE FIG. 9

Fig 60—Switch Mounting Plates

•

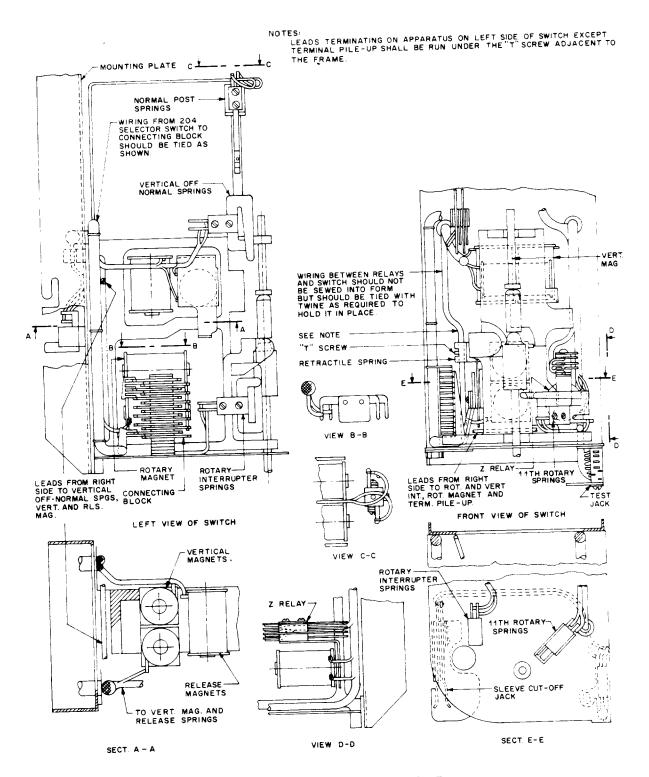
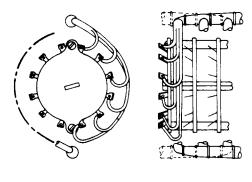
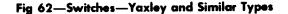


Fig 61—Switches—197 and Similar Types



YAXLEY AND SIMILAR SWITCHES TWO SKINNER GROUPS PER SWITCH PLATE YAXLEY SWITCH SHOWN



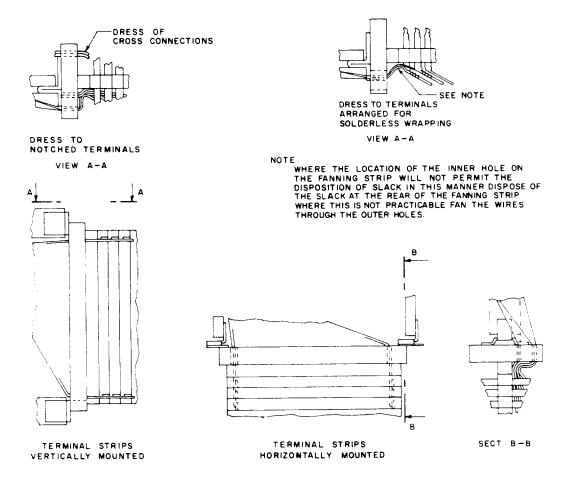
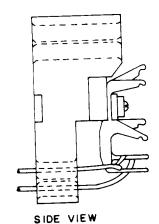
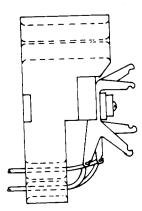


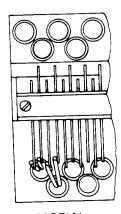
Fig 63—Terminal Strips—P, M, 150, 178, 183, 198, and Similar Types





•

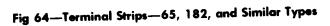
SIDE VIEW



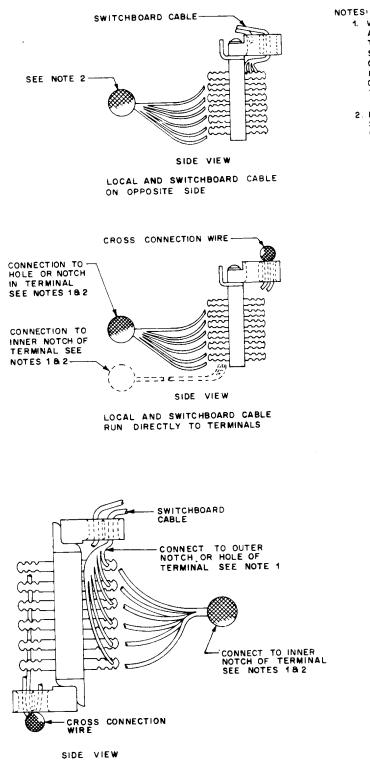
PARTIAL FRONT VIEW

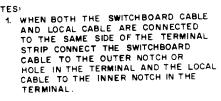
DRESS TO LOWER TERMINALS ARRANGED FOR SOLDERLESS WRAPPING

DRESS TO NOTCHED TERMINALS

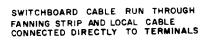


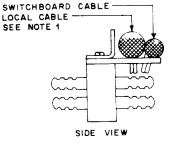
## ISS 7, SECTION 800-612-160





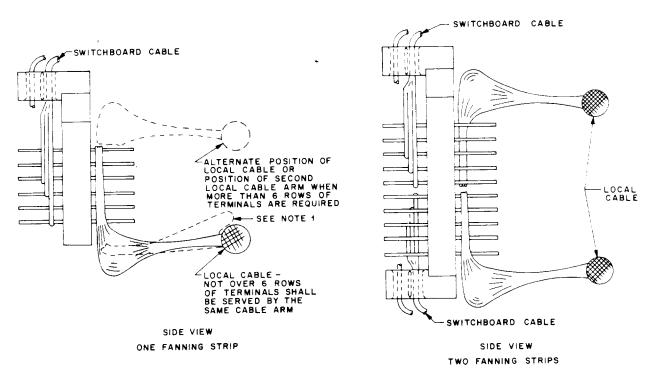
2. NOT OVER 6 ROWS OF TERMINALS SHALL BE SERVED BY THE SAME CABLE ARM.



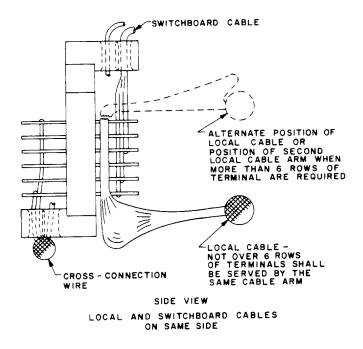


LOCAL CABLE AND SWITCHBOARD CABLE Run Through Fanning Strip

## Fig 65—Terminal Strips—Switchboard and Local Cable Connected to Notched Terminals

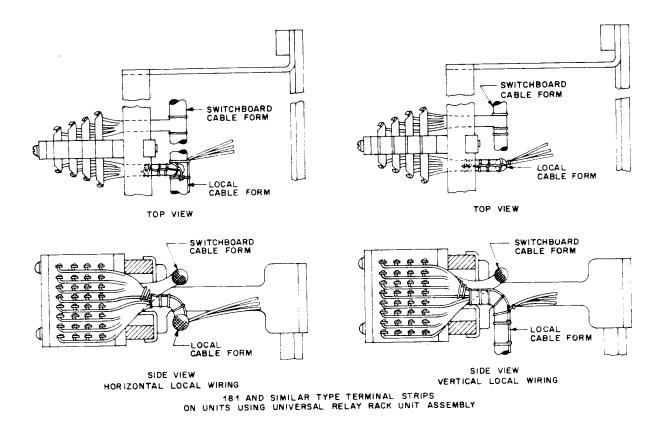


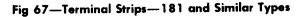
LOCAL AND SWITCHBOARD CABLE ON OPPOSITE SIDE



- NOTES: 1 ALTERNATE DRESS WHEN SKINNERS INTERFERE WITH EQUIPMENT MOUNTED BELOW THE TERMINAL STRIP.
- 2 WHEN LOCAL CABLE LEADS ARE RUN THROUGH FANNING STRIPS, IT SHOULD BE DONE IN THE SAME MANNER AS FOR SWITCHBOARD CABLE.







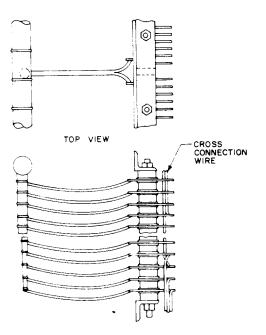
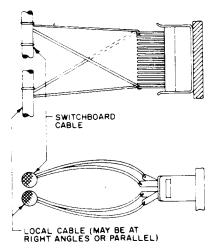
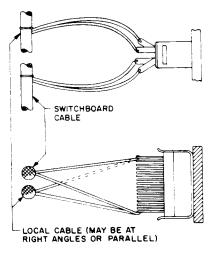


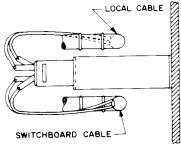
Fig 68—Terminal Strips—190 and Similar Types



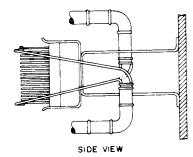
SWITCHBOARD CABLE FORM PARALLEL TO TERMINAL STRIP (TERMINAL STRIP SHOWN MOUNTED HORIZONTALLY)

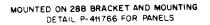


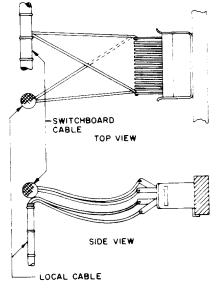
SWITCHBOARD CABLE FORM AT RIGHT ANGLES TO TERMINAL STRIP (TERMINAL STRIP SHOWN MOUNTED VERTICALLY)



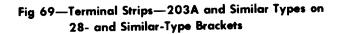
TOP VIEW

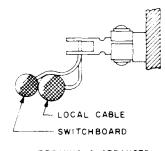






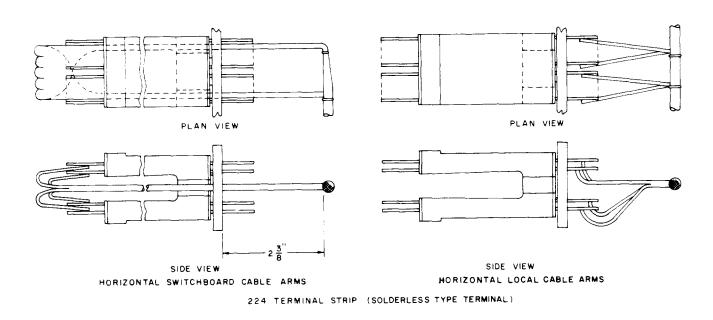
MOUNTED HORIZONTALLY ON 28A BRACKET SECURED TO REPEATING COIL SUPPORTING BAR





TERMINALS ARRANGED FOR SOLDERLESS WRAP CONNECTION

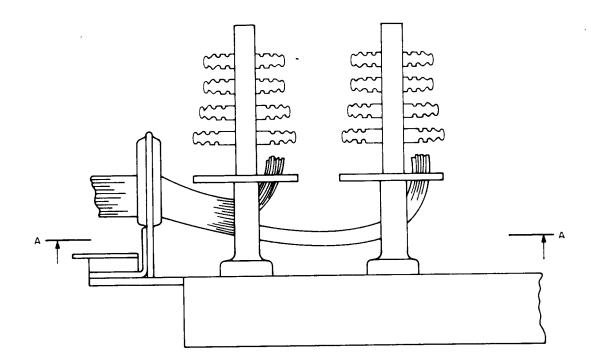
Fig 70—Terminal Strips—216 Type

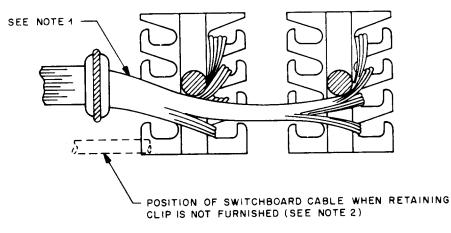


NOTES

- 1. WHERE LOCAL CABLE FORMS ARE TERMINATED ON THE FRONT (APPARATUS SIDE) OF THE TERMINAL STRIP, AND TWO CABLE HOLES ARE PROVIDED FOR EACH TERMINAL STRIP, THE LEADS TO THE LEFT HALF OF THE TERMINAL STRIP, TOP AND BOTTOM TERMINALS, SHALL BE RUN THROUGH THE LEFT HOLE AND THE LEADS TO THE RIGHT HALF OF THE TERMINAL STRIP, TOP AND BOTTOM TERMINALS, SHALL BE RUN THROUGH THE RIGHT HOLE, AS VIEWED FROM THE REAR OF THE BAY.
- 2. WHERE SWITCHBOARD CABLE LEADS ARE TERMINATED ON THE FRONT (APPARATUS SIDE) OF THE TERMINAL STRIP AND TWO CABLE HOLES ARE PROVIDED FOR EACH TERMINAL STRIP, THE LEADS TO THE TOP ROW OF TERMINALS SHALL BE RUN THROUGH THE LEFT HOLE AND THE LEADS TO THE BOTTOM ROW OF TERMINALS SHALL BE RUN THROUGH THE REAR OF THE BAY. WHEN LOCAL CABLE LEADS HAVE BEEN TERMINATED ON THE APPARATUS SIDE OF TERMINAL STRIP BY THE SHOP, THE SWITCHBOARD CABLE LEADS SHOULD BE DIVIDED BETWEEN THE TWO HOLES IN THE SAME MANNER AS THE SHOP. THE SAME MANNER AS USED BY THE SHOP.

Fig 71—Terminal Strips—224 (Cable-Well) Type



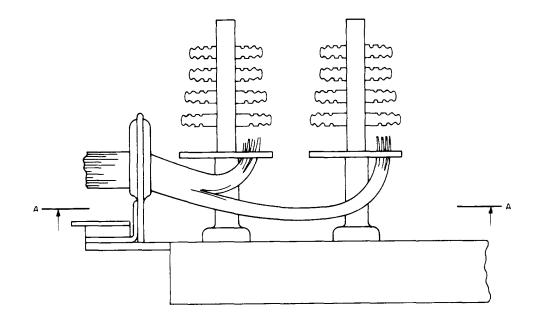


SECT. A-A

NOTES:

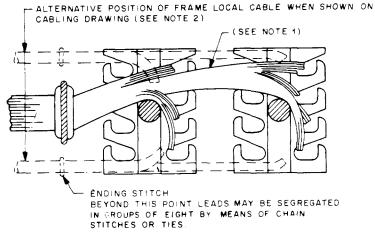
- 1. WHERE NECESSARY TO AVOID EXCESSIVE PILEUP OF WIRES, SWITCHBOARD CABLE LEADS CONNECTED TO THE TOP HALF OF THE TERMINAL STRIP MAY BE RUN OVER THE TERMINAL STRIP SUPPORT.
- 2. WHEN A HORIZONTAL SEWED FORM IS USED, THE ARM SHALL BE RUN ABOUT 1/2" IN BACK OF THE FANNING STRIP, EITHER ABOVE OR BELOW THE TERMINAL STRIP SUPPORT, DEPENDING ON LOCAL WIRING CONDITIONS. THE SKINNERS SHOULD BE RUN DIRECTLY FROM THE HORIZONTAL ARM TO THE TERMINAL STRIPS WITHOUT SEWING.

Fig 72—Terminal Strips—227 and Similar Types—Switchboard Cable



## NOTES.

- 1 WHERE NECESSARY TO AVOID EXCESSIVE PILEUPS OF WIRES, LEADS CONNECTED TO LOWER HALF OF TERMINAL STRIP MAY BE RUN UNDER THE TERMINAL STRIP SUPPORT.
- 2 WHEN A HORIZONTAL SEWED FORM IS USED, THE ARM SHALL BE RUN ABOUT 1/2" IN BACK OF THE FANNING STRIP, EITHER ABOVE OR BELOW THE TERMINAL STRIP SUPPORT, DEPENDING ON LOCAL WIRING CONDITIONS, THE SKINNERS SHOULD BE RUN DIRECTLY FROM THE HORIZONTAL ARM TO THE TERMINAL STRIP WITHOUT SEWING.



SECT · A - A

Fig 73—Terminal Strips—227 and Similar Types— Intraframe Loose Wiring or Frame Local Cable

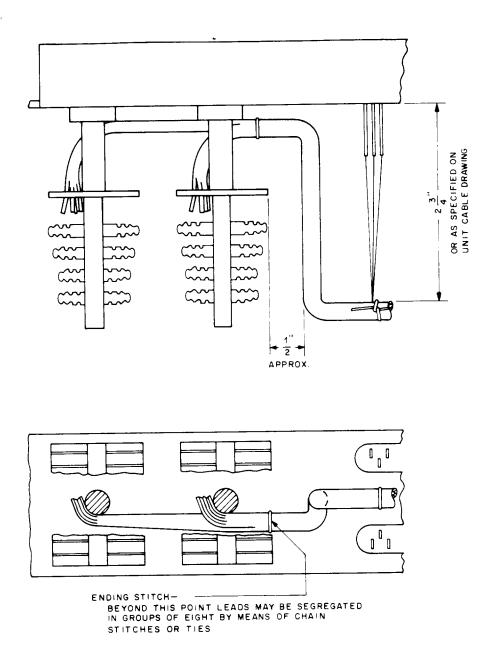
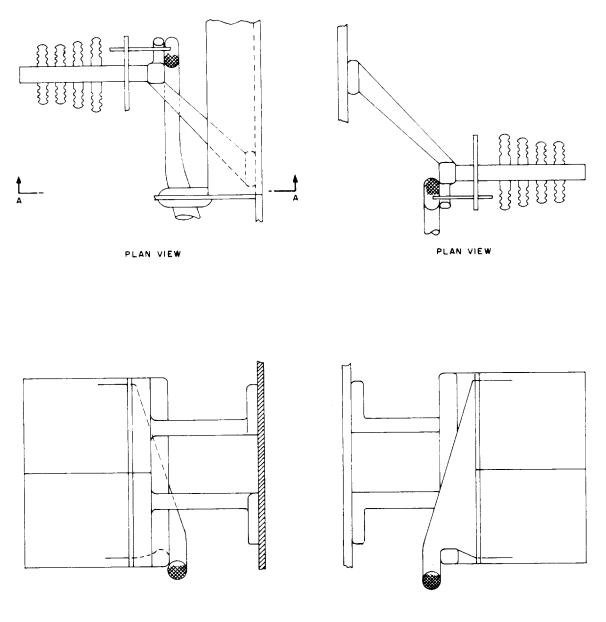


Fig 74—Terminal Strips—227 and Similar Types—Local Cable Form on Equipment Unit



SECT.A-A BULB OR CHANNEL TYPE BAYS

END VIEW DUCT TYPE BAYS

Fig 75—Terminal Strips—C4A Single or Double Mounted (Double Mounted Shown)—Dress of Switchboard Cable Leads

٠

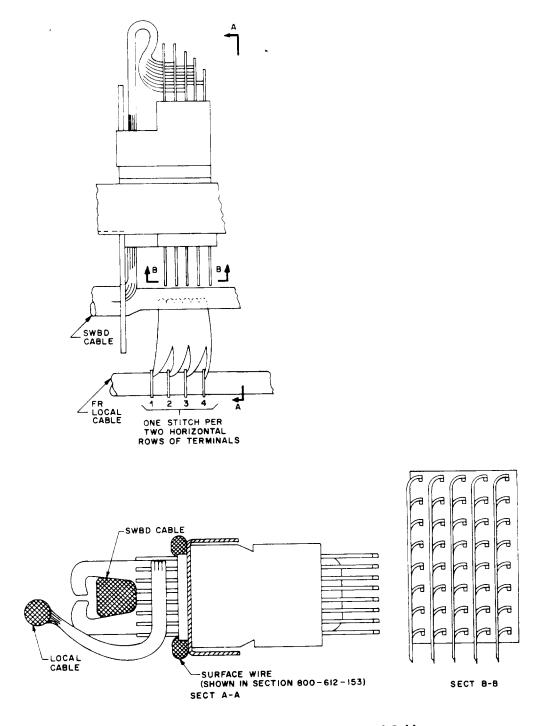


Fig 76—D-Type Terminal Strip With Local Cable

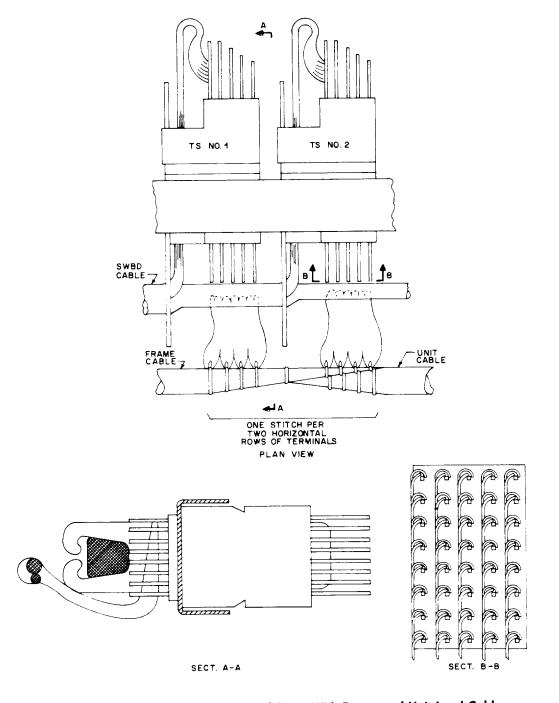


Fig 77—Two Adjacent D-Type Terminal Strips With Frame and Unit Local Cables

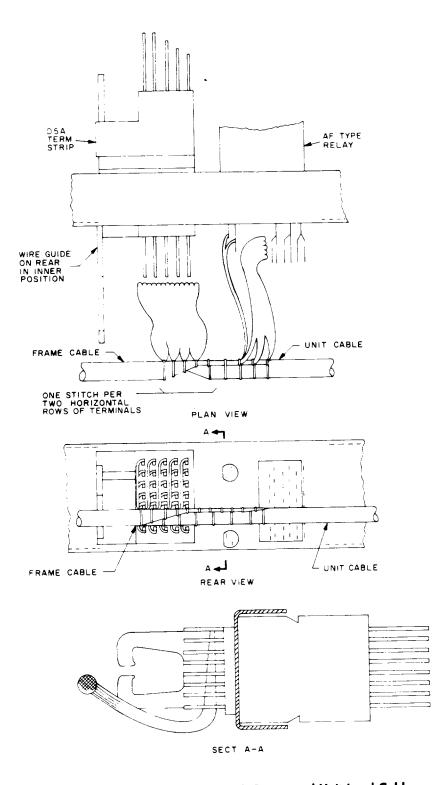


Fig 78—D-Type Terminal Strip With Frame and Unit Local Cables, Adjacent to Wire-Spring Relay

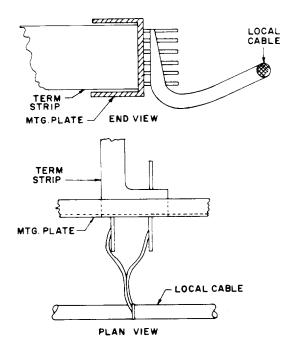


Fig 79—278- and Similar-Type Terminal Strips

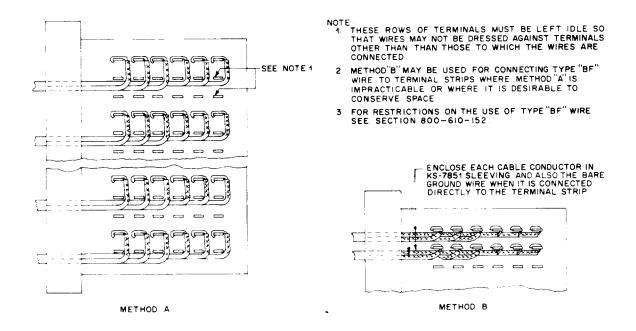
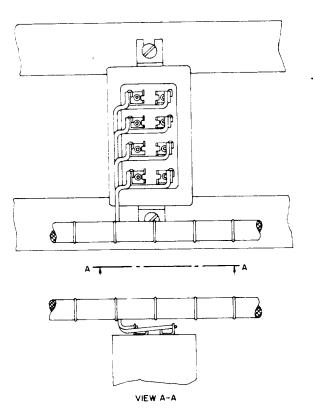
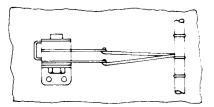
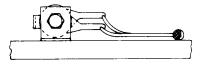


Fig 80—Method of Connecting BF-Type Wire to Terminal Strips



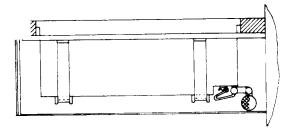


TOP VIEW



SIDE VIEW

- Fig 81—Transformers—Input 213, 214, and Similar Types—Output 116A and Similar Types
- Fig 82—Varistors—3B and Similar Types (For 33 and Similar Types, see Fig 7)



NOTE: LEAVE SUFFICIENT SLACK IN LOCAL CABLE ARM TO PERMIT REMOVAL OF WHEATSTONE BRIDGE FROM THE MOUNTING SHELF WITHOUT DISCONNECTING LEADS.

Fig 83-Wheatstone Bridge