

| TABLE A (CONT.) - FEATURES | | | | | | | | | | TABLE A (CONT.) - FEATURES | | | | | | | | | |
|--|----------|-------|-------------------------------|-----|-----|-----|-----|-----|-----|---|----------|-------|-------------------------------|-----|-----|--|--|--|--|
| EQUIPMENT | RAT-1 NO | GROUP | CIRCUITS AND FIGURES EQUIPPED | | | | | | | EQUIPMENT | RAT-1 NO | GROUP | CIRCUITS AND FIGURES EQUIPPED | | | | | | |
| | | | QTY | DET | FIG | WPG | APP | QTY | DET | | | | FIG | WPG | APP | | | | |
| (SEE NOTE 51) OPTIONS 1 POSITION MODULE - A MAINTENANCE ITEM FOR SPECIAL TEST OR TALK CIRCUIT ARRANGEMENTS REQUIRING LAMP MONITORS AND JACKS OTHER THAN KS-21463, L1 (SEE NOTE 68). SIX UNEQUIPPED HOLES ARE FOR JACKS AND THERE ARE TEN JACK OR LAMP SOCKETS. KS-21743, L14 (SEE NOTE 4) PROVIDED (SEE NOTES 53, 61, 72). | | | | | | | | | | (SEE NOTE 51) OPTIONS 10 POSITION MODULE - SPECIFY FOR SERVICE OBSERVING WHEN PANELS ARE TO BE MOUNTED ON FRAMES OTHER THAN THE 1" DEEP TYPE (MAY BE USED ON CDSR-11). THE MODULE IS EQUIPPED WITH TEN KS-21463, L1 JACKS (SEE NOTES 59, 72, 80). | | | | | | | | | |
| 2 POSITION MODULE E/M COMPONENTS - SPECIFY FOR TERMINATING FROM ONE TO THREE TEST OR TALK CIRCUITS REQUIRING LAMP MONITORS AND KS-21463, L1 JACKS AND THREE OR FOUR JACK OR LAMP SOCKETS. (SEE NOTE 4) PROVIDED (SEE NOTES 53, 61, 72, 80). | | | | | | | | | | 11 JACK MODULE E/T COMBINING 10 MODULES FOR USE IN THE OBSERVING ON FRAMES OTHER THAN CDSR-11. THE COMBINED 10 MODULES PROVIDES TEN KS-21463, L1 JACKS IN ADDITION TO THE MOUNTING HARDWARE AND DESIGNATION ASSEMBLIES. (SEE NOTE 14). | | | | | | | | | |
| 3 POSITION MODULE E/M COMPONENTS - SPECIFY FOR TERMINATING ONE TO THREE TELEPHONE AND SPARE JACK POSITIONS. DO NOT SPECIFY WHEN USING CIRCUIT SD-34525-01. MODULES E/M THREE KS-21001, L1 JACKS AND SIX KS-21463, L1 JACKS. KS-21743, L14 (SEE NOTE 4) PROVIDED. (SEE NOTES 61, 68, 72). | | | | | | | | | | BLANK MODULE TO BE SPECIFIED ON PANELS NOT FULLY EQUIPPED WITH JACK MODULES OF THE 9 OR 10 POSITION TYPE. A GR12 SHALL BE SPECIFIED FOR EACH JACK MODULE SLOT NOT EQUIPPED WITH A JACK MODULE. GR12 MAY BE REQD IN ADDITION TO GR4, 9, 13, 21, 26, 41, 44, 57, 64, 65 AND KS-21316, L4. (SEE NOTES 74, 80). | | | | | | | | | |
| 4 POSITION MODULE - A MAINTENANCE ITEM FOR TERMINATING FROM ONE TO FIVE SPECIAL TEST OR TALK CIRCUITS REQUIRING JACKS OTHER THAN KS-21463, L1 JACKS, BUT NOT REQUIRING LAMP MONITORS. ARRANGED FOR EIGHT HOLES THAT ARE FOR JACKS OR PUSHBUTTON SWITCHES AND HOLES ARE ADAPTABLE FOR JACKS OR LAMP SOCKETS WITH LEADS. KS-21743, L14 (SEE NOTE 4) PROVIDED (SEE NOTES 61, 72, 80). | | | | | | | | | | BLANK MODULE TO BE SPECIFIED ON PANELS NOT FULLY EQUIPPED WITH JACK MODULES OF THE 3 POSITION TYPE. A GR13 SHALL BE SPECIFIED FOR EACH JACK MODULE SLOT NOT EQUIPPED WITH A JACK MODULE. GR13 MAY BE REQD IN ADDITION TO GR4 OR KS-21344, L4. (SEE NOTE 80). | | | | | | | | | |
| 5 POSITION MODULE E/M COMPONENTS - SPECIFY TO TERMINATE TEST OR TALK CIRCUITS REQUIRING KS-21463, L1 (SEE NOTE 68) JACKS, BUT NOT REQUIRING LAMP MONITORS. MODULE E/M TEN KS-21463, L1 JACKS. KS-21743, L14 (SEE NOTE 4) PROVIDED. (SEE NOTES 61, 72, 80). | | | | | | | | | | DESIGNATION STRIP, CARD, COVER AND MOUNTING SCREENS - SUPPLY WHEN RETROFITTING KS-21315, L4 AND L5; KS-21316, L4 AND L2; AS-21391, L1 AND L2. (SEE NOTES 59, 68). | | | | | | | | | |
| 6 POSITION MODULE PARTIALLY E/M COMPONENTS - SPECIFY WHEN TERMINATING ONE OR TWO FRAME MAINTENANCE TELEPHONE, SD-29074-01 LINES WITH A HOLD FEATURE. MODULE E/M TWO DIODES, FOUR KS-21463, L1 JACKS, TWO KS-21744, L1 PUSHBUTTON SWITCHES AND TWO HOLE PLUGS. KS-21743, L14 (SEE NOTE 4) PROVIDED (SEE NOTES 61, 72, 80). | | | | | | | | | | 9 POSITION MODULE - SPECIFY WHEN ONE TEL AND SPARE JACK ARRANGEMENT AND TWO TEST OR TALK CIRCUITS REQUIRING LAMP MONITORS ARE REQD. GR13 IS NOT COMPATIBLE WITH SD-34525-01 (SEE 2116). JACK MODULE CONTAINS SIX KS-21463, L1 JACKS, ONE KS-21001, L1 JACK AND TWO 5344 DIODES. (SEE NOTES 58, 80). | | | | | | | | | |
| 7 POSITION MODULE - THIS GROUP IS TO BE SPECIFIED FOR ADDITIONS TO INSTALLED TEST/TALK PANELS CONTAINING A 3 POSITION BLANK INSERT. THE MODULE IS TO BE USED IN COMBINATION WITH THE ACX TRANSMITTER AND PROVIDES A PUSHBUTTON SWITCH AND A LED. ONE POSITION NOT EQUIPPED (SEE NOTE 72). | | | | | | | | | | 8 POSITION MODULE - ORIGINALLY INTENDED FOR USE IN THE NO. 3 ESS SYSTEM, TEL JACKS ARE EQUIPPED WITH SUPPLEMENTAL ISOLATED CONTACTS (KS-21463, L1 JACKS) FOR COMPATIBILITY WITH SD-34525-01. IF THESE CONTACTS ARE DISREGARDED THE KS-21463, L1 JACKS ARE EQUIVALENT TO AND MAY BE WIRED SIMILARLY TO KS-21463, L1 JACKS USED FOR TEL JK POSITIONS ON OTHER SWITCHING SYSTEMS. MODULE CONTAINS TWO KS-21463, L1 JACKS, FOUR KS-21463, L1 JACKS, TWO KS-21001, L1 JACKS AND ONE 5344 DIODE. (SEE NOTE 72). | | | | | | | | | |

CONT. AT RIGHT

| | | | |
|--|-------------|----------|-----|
| SPECIFICATIONS FOR A INITIALING TEST/TALK SYSTEM | | ONE SIZE | TWO |
| | | CS | 5 |
| WESTERN ELECTRIC | ED-6C110-10 | SHEET 43 | |

2/4610

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TABLE E - CROSS REFERENCE ENGINEERING AID

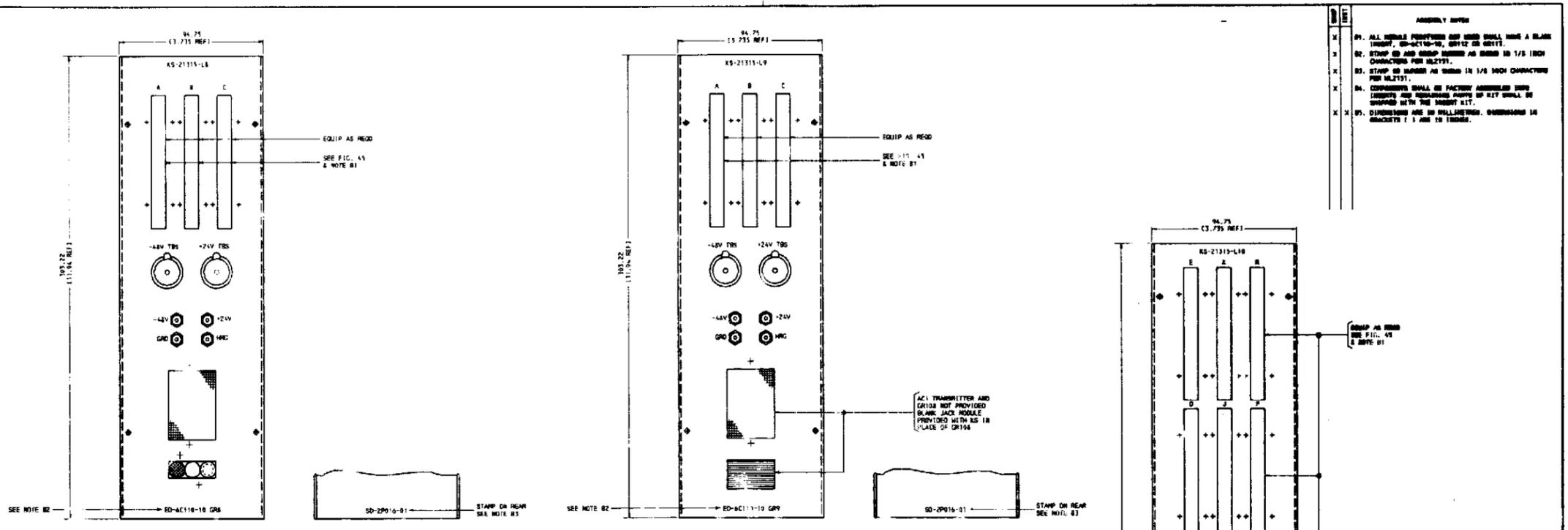
| PANEL GROUP NO. | ES REF NUMBER | PANEL NO DESIGN WITH LAMPS | PANEL NO DESIGN WITH LAMPS | W/O JOINT | W/TH JOINT | W/O PIN JACKS | W/TH PIN JACKS (TEST BAT. SUPPLY) | PANEL MOUNT POSITION VERTICAL | PANEL MOUNT POSITION HORIZONTAL | JACK MODULES VERTICAL | JACK MODULES HORIZONTAL | JACK MODULE ORIENTATION PER GROUP | NUMBER OF PINS PER JACK | CRISIS | | CORNER I | CORNER II | PANEL NOT ARRANGED FOR CRISIS JACK MODULE | REMARKS (SEE ED-6C110-10 FOR MOUNTING AND CABLING OF PANELS) |
|-----------------|---------------|----------------------------|----------------------------|-----------|------------|---------------|-----------------------------------|---|---------------------------------|-----------------------|-------------------------|-----------------------------------|-------------------------|--------|----------|----------|-----------|---|--|
| | | | | | | | | | | | | | | PROV | NOT PROV | | | | |
| 8 | KS-21315, L4 | E | EL | | X | | X | SEE FIG. 1 X | | X | | A, B, C | 3 | X | | | | | |
| 9 | KS-21315, L9 | G | GL | X | | | X | FIG. 2 X | | X | | A, B, C | 3 | | X | | | | |
| 10 | KS-21315, L10 | B | D | | | | | SEE FIG. 3 X | | X | | A-H, J-K PER | 15 | | | | | X | |
| 21 | KS-21316, L1 | A | C | | | | | SEE FIG. 4 X | | X | | A, B, C, D | 4 | | | X | X | X | |
| 25 | KS-21316, L1 | D | DL | | X | | X | SEE FIG. 5 X | | X | | A, B, C, D | 4 | X | | | | X | WHEN MTD ON LOW PROFILE CONVENTIONAL DISTRIBUTING FRAME |
| | | O | OL | | X | | X | VIEW FIG. 5 AS NOTATED ROT TO THE LEFT X | | X | | A, B, C, D | 4 | X | | | | X | WHEN MTD ON EXISTING CONVENTIONAL DISTRIBUTING FRAME SEE NOTE 79 |
| 26 | KS-21316, L6 | R | RL | | | | | SEE FIG. 6 X | | X | | A-H | 4 | | | | | X | WHEN MTD ON LOW PROFILE CONVENTIONAL DISTRIBUTING FRAME |
| | | X | XL | | | | | VIEW FIG. 6 AS NOTATED ROT TO THE LEFT X | | X | | A-H | 4 | | | | | X | WHEN MTD ON EXISTING CONVENTIONAL DISTRIBUTING FRAME |
| 43 | KS-21395, L3 | P | PL | | | | | SEE FIG. 7 X | | X | | A-H, J-K PER | 15 | | | | | X | |
| 44 | KS-21395, L4 | N | NL | X | | | X | SEE FIG. 8 X | | X | | A-H, J | 9 | X | | | | | |
| 45 | KS-21395, L1 | K | KL | | | | | VIEW FIG. 9 AS NOTATED ROT TO THE RIGHT X | | X | | A, B, C, D | 4 | | | | | X | PANEL MOUNTS IN VERTICAL OR HORIZONTAL POSITION ON 143 TYPE, 143 TYPE AND 154 TYPE TERMINAL STRIPS LOCATED ON EXISTING CONVENTIONAL DISTRIBUTING FRAMES. (SEE NOTE 77) |
| | | S | SL | | | | | SEE FIG. 9 X | | X | | A, B, C, D | 4 | | | | | X | MOUNTED ON QUANT RAIL. (SEE NOTE 56) |
| 45 | KS-21395, L1 | T | TL | | | | X | SEE FIG. 10 X | | X | | A-H, J-K PER | 15 | | | | | X | |
| | | | | | | | | SEE FIG. 11 X | | X | | A-H, J-K PER | 15 | | | | | | |

TABLE F

RISC COMPONENTS WITH THE MINIMUM 1/77 SYSTEM (SEE NOTE 60)

| ITEM | IDENTIFICATION NO. | NOTE | DESCRIPTION | MIN. PULL SIZE JACK SIZE | ADDITIONAL INFORMATION |
|------|--------------------|------|----------------------|--------------------------|---|
| 1 | KS-21445, L1 | B7 | JACK REBARWARE | 223 | 2 CONDUCTORS - RESPONSIBLE END |
| 2 | KS-21445, L2 | B6 | JACK REBARWARE | 218 | 2 CONDUCTORS - RESPONSIBLE END |
| 3 | KS-21445, L3 | B1 | JACK REBARWARE | 215 | 2 CONDUCTORS - RESPONSIBLE END |
| 4 | KS-21445, L4 | B6 | JACK REBARWARE | 223 | 2 CONDUCTORS - RESPONSIBLE END |
| 5 | KS-21445, L5 | B6 | JACK REBARWARE | 229 | 2 CONDUCTORS - RESPONSIBLE END |
| 6 | KS-21891, L1 | B1 | JACK REBARWARE | 226 | 3 CONDUCTORS - RESPONSIBLE END |
| 7 | KS-21891, L2 | B6 | JACK REBARWARE | 248 | 3 CONDUCTORS - RESPONSIBLE END |
| 8 | KS-26971, L2 | B6 | LAMP SOCKET | | |
| 9 | KS-26971, L4 | B1 | LAMP SOCKET | | |
| 10 | KS-21246, L1 | B1 | POWER BUTTON SWITCH | | |
| 11 | KS-21246, L1 | B3 | TEST PIR JACK AMPHIB | | USED IN COLLECTOR WITH TEST SW. |
| 12 | | | | | SUPPLY-TEST PIR C-DRY, -DRY, -DRY, -DRY |
| 13 | KS-22844 | B2 | REBARWARE PLUG | | 2 PINS, 4 CONDUCTORS |
| 14 | KS-21926 | B3 | REBARWARE PLUG | | 1 PIN, 2 CONDUCTORS |
| 15 | KS-26999 | B4 | REBARWARE PLUG | | 1 PIN, 5 CONDUCTORS |

* INCLUDES BLEND AS SEE DRAWING



- ASSEMBLY NOTES**
- X 01. ALL WIRELESS PROTECTORS FOR THIS SHALL HAVE A BLANK JACK (ED-AC110-10, GR107 OR GR107).
 - X 02. STAMP ON AND NUMBER AS SHOWN IN 1/8 INCH CHARACTER FOR GR107.
 - X 03. STAMP ON NUMBER AS SHOWN IN 1/8 INCH CHARACTER FOR GR107.
 - X 04. COMPONENTS SHALL BE FACTORY ASSEMBLED UNLESS INDICATED AND REWORKED PARTS OF KIT SHALL BE SUPPLIED WITH THE ASSEMBLY KIT.
 - X 05. DIMENSIONS ARE TO WALLS/THICKNESS UNLESS INDICATED IN BRACKETS 1/8 AND 1/16 INCHES.

UNLESS OTHERWISE NOTED COMPONENTS AND MOUNTING HARDWARE FINISHED WITH KS

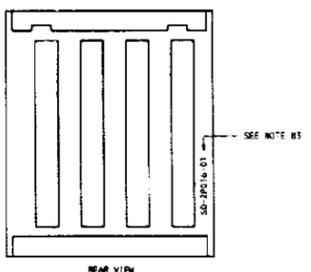
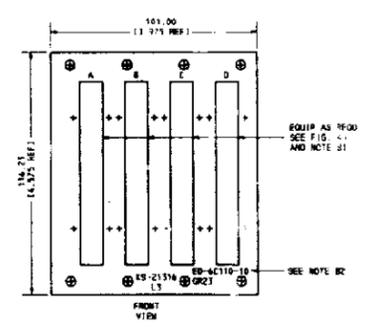
FIG. 1

MODULAR PROTECTOR FRAME (EVEN MODULE)

UNLESS OTHERWISE NOTED COMPONENTS AND MOUNTING HARDWARE FINISHED WITH KS

FIG. 2

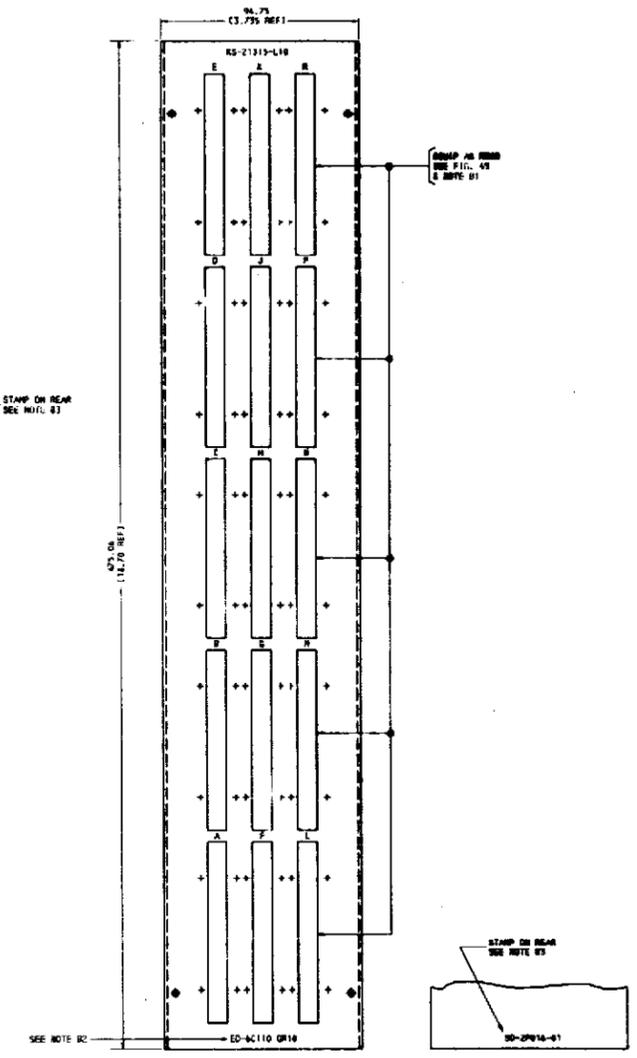
MODULAR PROTECTOR FRAME (ODD MODULE)



UNLESS OTHERWISE NOTED MOUNTING HARDWARE FINISHED WITH KS

FIG. 4

COSMIC I OR II FRAME



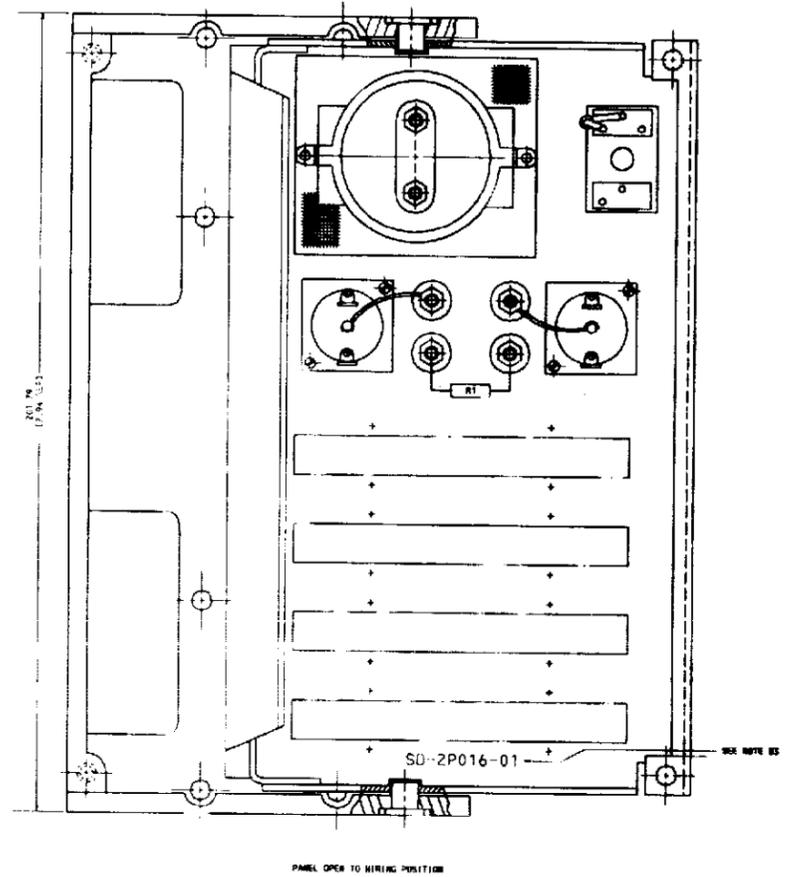
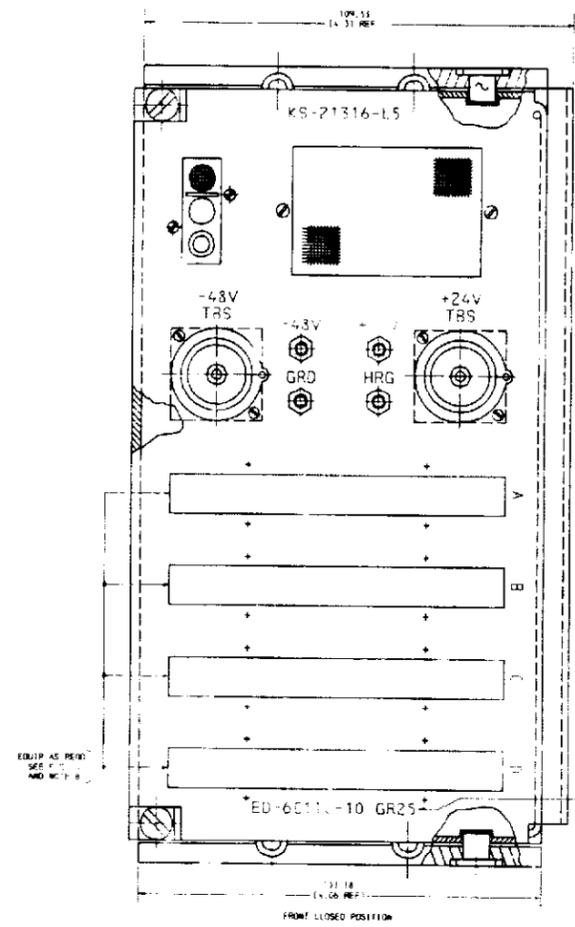
UNLESS OTHERWISE NOTED COMPONENTS AND MOUNTING HARDWARE FINISHED WITH KS

FIG. 3

MODULAR PROTECTOR FRAME (EVEN OR ODD MODULE)

| | | | |
|---------|----|------|--------|
| REVISED | BY | DATE | REASON |
| 1 | | | |

| | |
|---|-------|
| SPECIFICATIONS FOR A MINIATURE TEST/TALK SYSTEM | |
| ONE SIZE | ISSUE |
| CS | 5 |
| MILITARY ELECTRIC ED-6C110-10 SHEET 001 | |



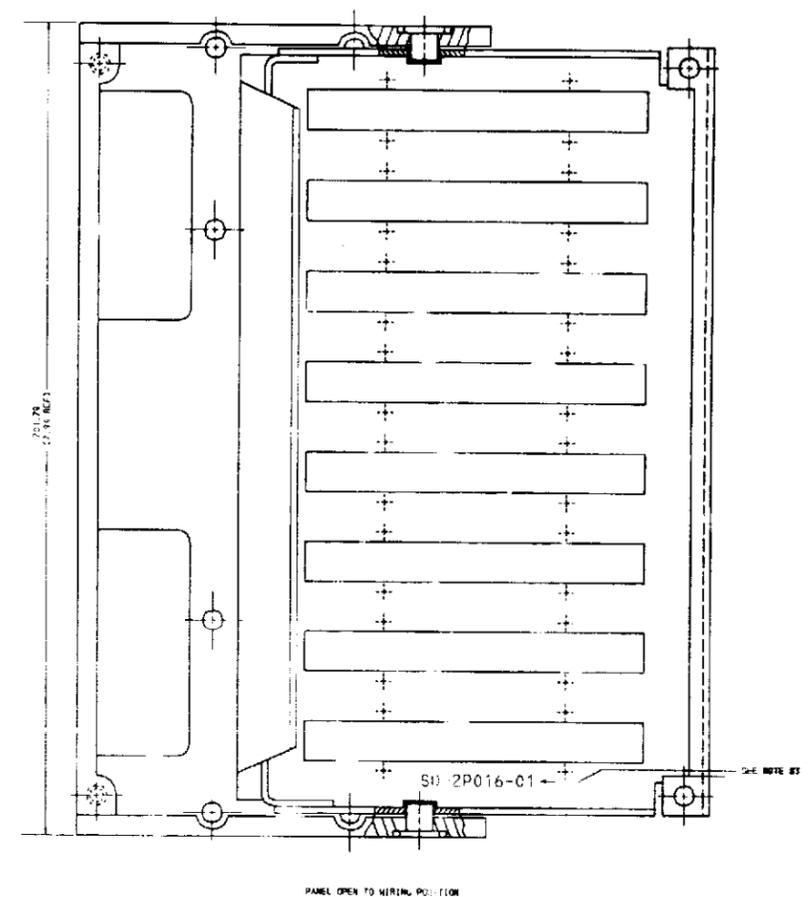
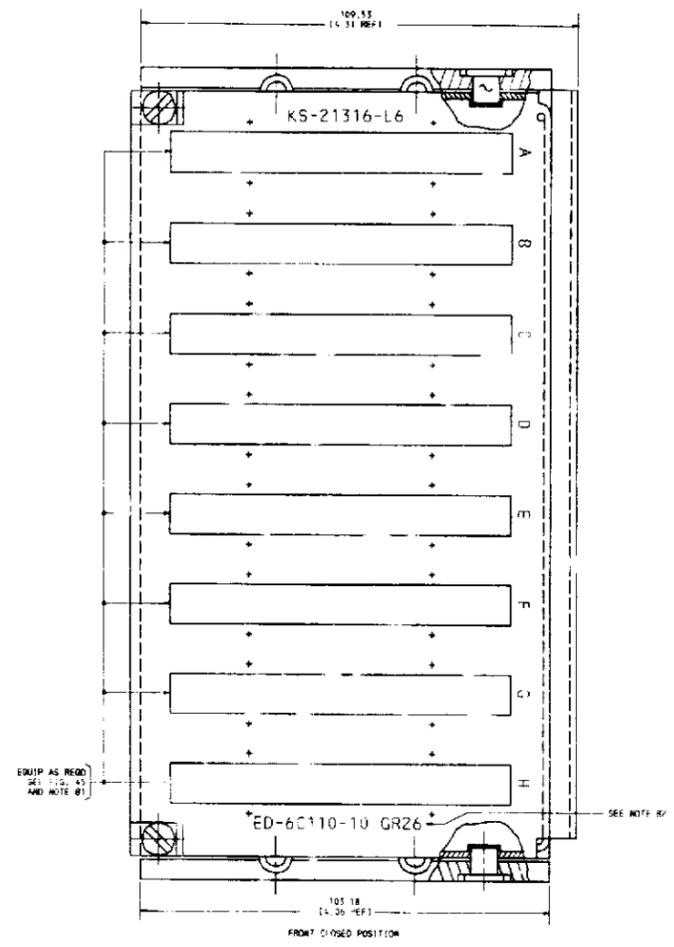
UNLESS OTHERWISE NOTED COMPONENT MOUNTING AND HARDWARE FINISHED WITH #3

FIG. 5
LOW PROFILE OR CONVENTIONAL DISTRIBUTING FRAMES WITH TRANSMITTER

| | | |
|--|-------------|-----------|
| SPECIFICATIONS FOR A RESEARCH TEST/TALK SYSTEM | | |
| DRG. SIZE | FORM | |
| □ | 5 | |
| HITTORF ELECTRIC | ED-6C110-10 | SHEET 042 |

2/6/60

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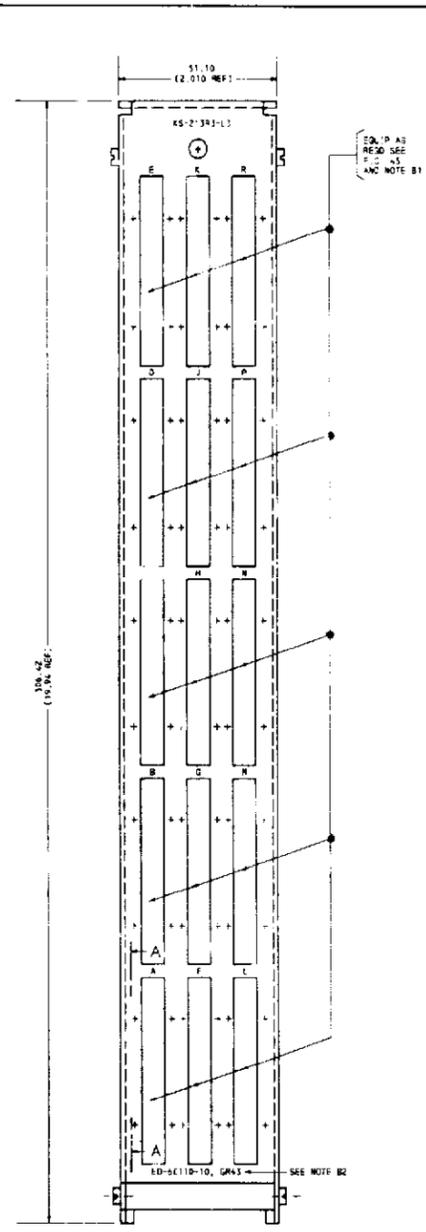
UNLESS OTHERWISE NOTED ALL FITTING HARDWARE FURNISHED WITH KS

FIG. 6
LOW PROFILE OR CONVENTIONAL DISTRIBUTING FRAME

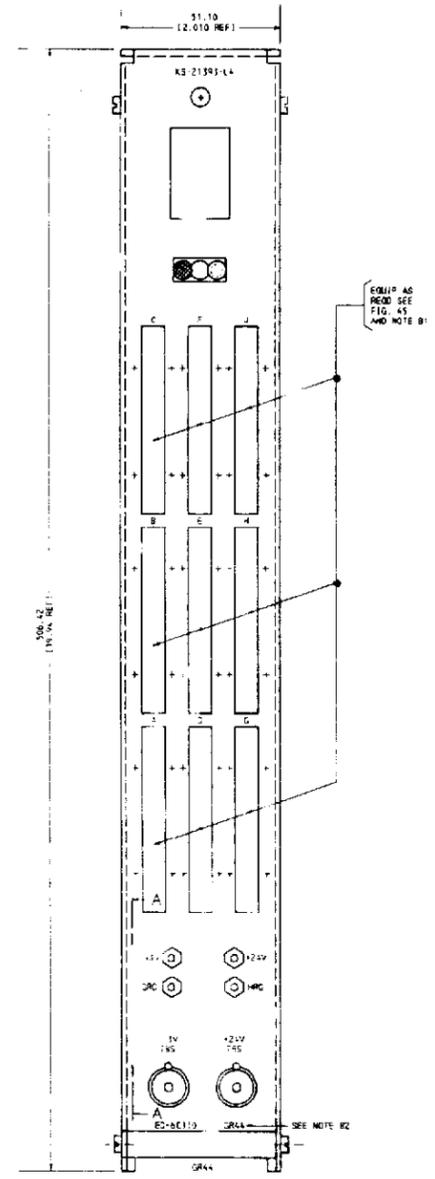
| | | | |
|--|-------------|------------|-------|
| SPECIFICATIONS FOR A REPEATABLE TEST/TALK SYSTEM | | ONE SIZE | ISSUE |
| | | C3 | 5 |
| WESTERN ELECTRIC | E0-6C110-10 | SHEET 8/11 | |

Z14614

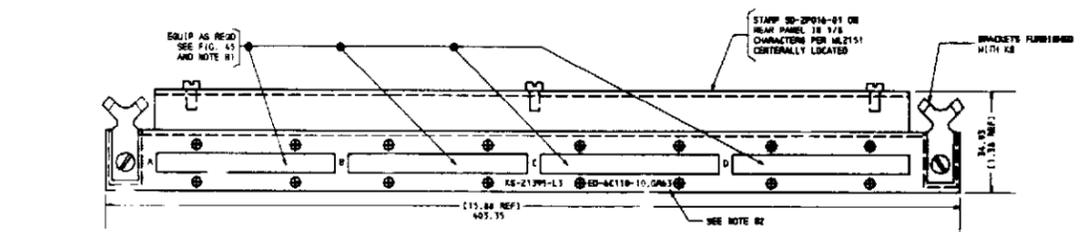
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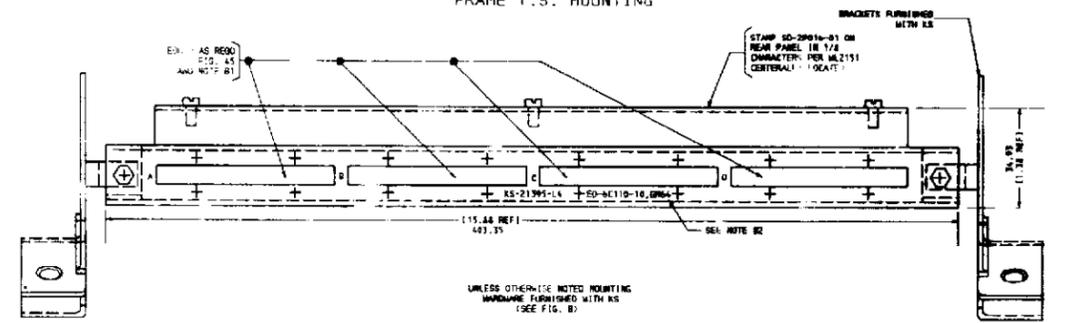
UNLESS OTHERWISE NOTED MOUNTING HARDWARE FURNISHED WITH KS
FIG. 7
 DOUBLE SIDED PROT FRAME



UNLESS OTHERWISE NOTED COMMENTS AND REAR END HARDWARE FURNISHED WITH KS
FIG. 8
 DOUBLE SIDED PROT FRAME WITH TRANSMITTER



UNLESS OTHERWISE NOTED MOUNTING HARDWARE FURNISHED WITH KS
FIG. 9
 EXISTING CONVENTIONAL DISTRIBUTING FRAME T.S. MOUNTING



UNLESS OTHERWISE NOTED MOUNTING HARDWARE FURNISHED WITH KS (SEE FIG. 8)
FIG. 10
 EXISTING CONVENTIONAL DISTRIBUTING FRAME GUARD RAIL MOUNTING

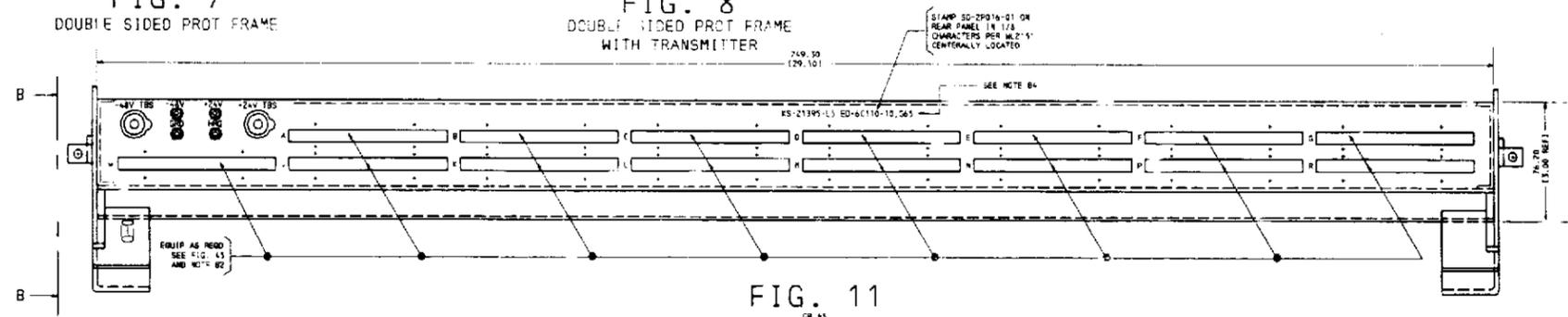


FIG. 11
 GR 43
 (SEE FIG. 8)
 UNLESS OTHERWISE NOTED MOUNTING HARDWARE FURNISHED WITH KS
 ADDITIONAL CAPACITY FOR CONVENTIONAL DISTRIBUTING FRAME

| | | | |
|---|-------------|-----------|-------|
| SPECIFICATIONS FOR A MINIATURE TEST/TALK SYSTEM | | DWG. SIZE | TITLE |
| | | C3 | 5 |
| WESTERN ELECTRIC | ED-6C110-10 | SHEET NO. | |

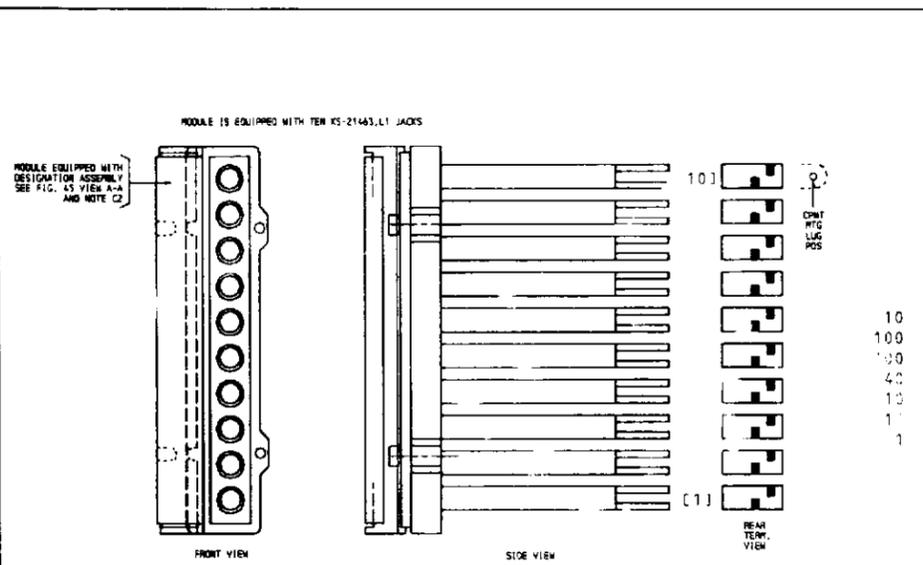


FIG. 38

ED-6C110, GROUP 110
KS-21745, L10 JACK MODULE

- 10
- 100
- 100
- 40
- 10
- 1
- 1

KIT CONSISTING OF:

- PANNEL INSERT } FACTORY ASSEMBLED
- JACK SCREW, #3-48 }
- MTG. SCREW }
- COVER }
- DESIGNATION STRIP
- CARD, CONSECUTIVELY NUMBERED 00-99

FOR INSTALLATION SEE FIG. 45 SH C3

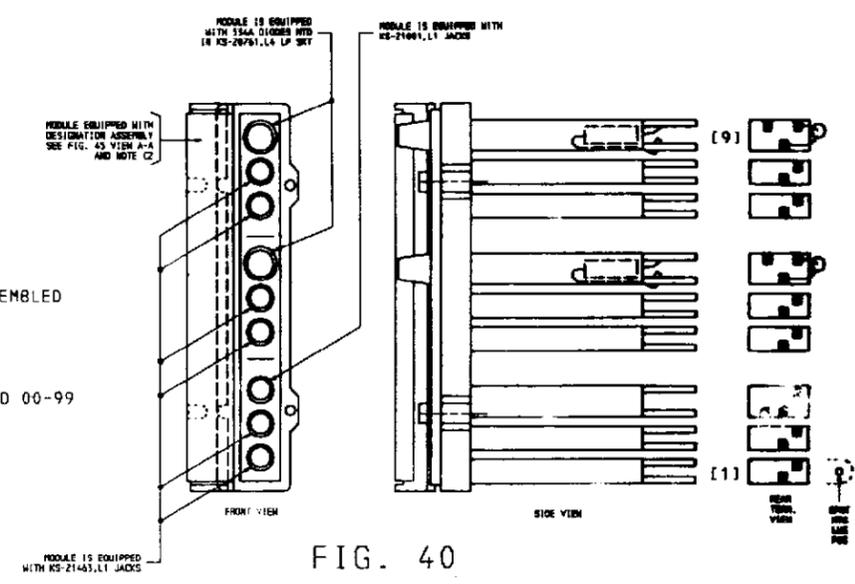


FIG. 39

ED-6C110, GROUP 111
(KS-21745, L11)
JACK MODULE



FIG. 40

ED-6C110, GROUP 115
KS-21745, L15 JACK MODULE

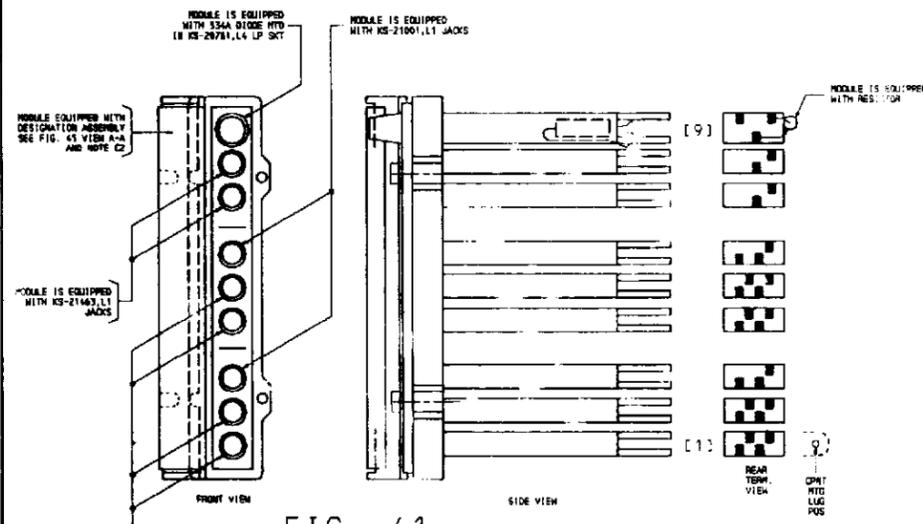


FIG. 41

ED-6C110, GROUP 116
KS-21745, L16 JACK MODULE

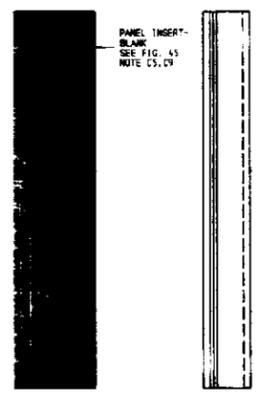


FIG. 42

ED-6C110, GROUP 112
KS-21745, L12

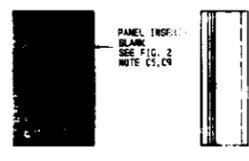


FIG. 43

ED-6C100, GROUP 113
KS-21745, L13

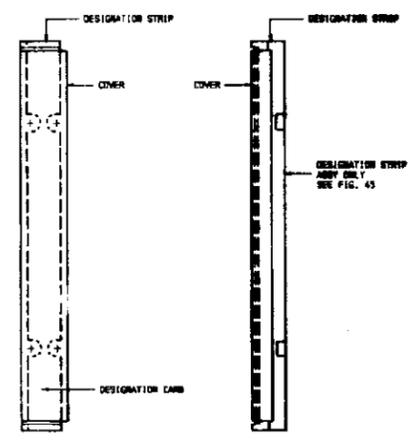
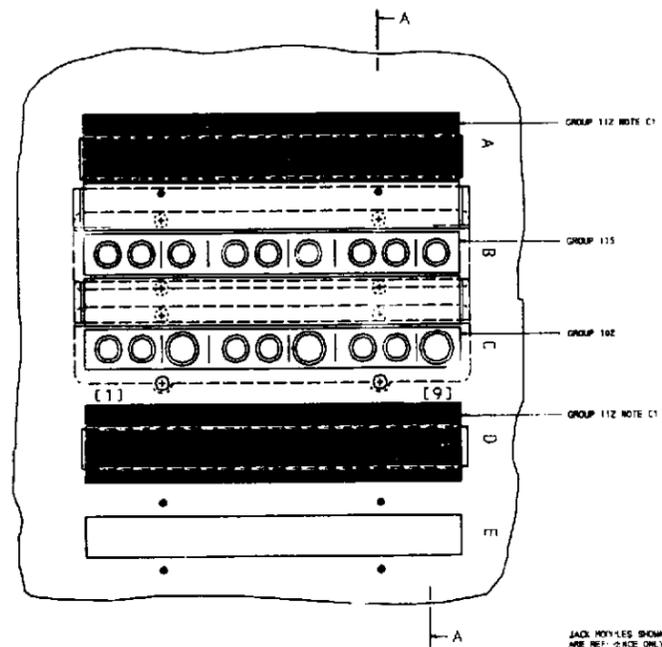


FIG. 44

ED-6C110, GROUP 114
KS-21745, L14

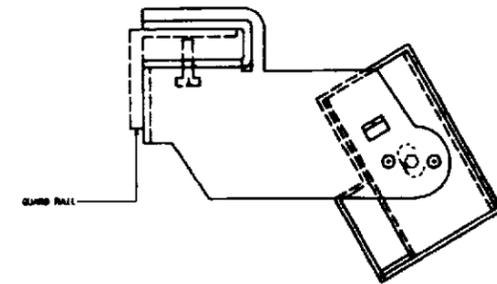
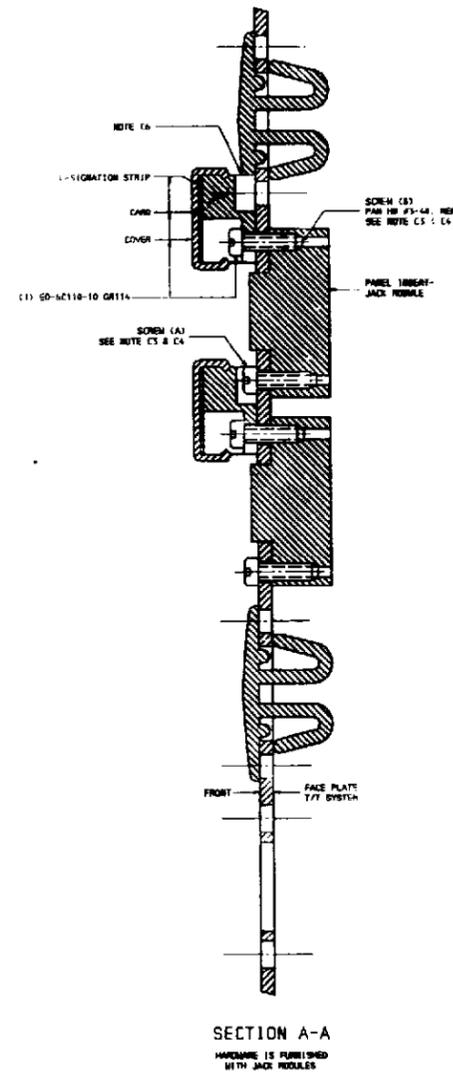
| | | | |
|--|-------------|-----------|-------|
| SPECIFICATIONS FOR A MINATURE TEST/TALK SYSTEM | | DWG. SIZE | ISSUE |
| | | C3 | 5 |
| WESTERN ELECTRIC | ED-6C110-10 | SHEET C2 | |



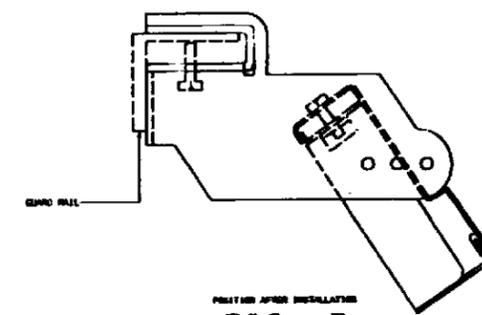
JACK MODULES SHOWN ARE REFERENCE ONLY

NOTATE THE ABOVE VIEW IN COUNTER CLOCKWISE FOR FIGURES 1, 2, 3, 4, 7 & 8.
 (NOTE: LED'S OR SPARE JACKS ARE ALWAYS LOCATED TOWARD THE TOP OR RIGHT OF THE PANEL AS THE PANEL (FRONT VIEW) IS VIEWED FROM THE FIGURES ON THIS DRAWING.)

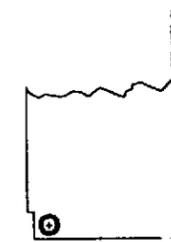
FIG 45
 TYPICAL INSTALLATION OF JACK MODULES



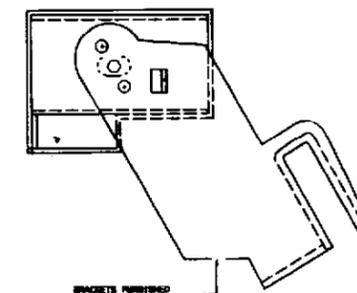
POSITION AFTER INSTALLATION
 FIG. A



POSITION AFTER INSTALLATION
 FIG. B



VIEW A-A



VIEW B-B
 (SEE FIG. A)

| | | |
|---|-------------|----------|
| SPECIFICATIONS FOR A REVERSIBLE TEST/TALK SYSTEM | | |
| THIS SIZE C1 | 1 INCH 5 | |
| WESTERN ELECTRIC | ED-6C110-10 | SHOWN C1 |

2/4610

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