COL	A	B	C	D	1A	2A	3A	4A	5A	6A	7A	8A	9A	10A	11A	12A	13A	14A	15A
			STOCKLIST		FEATURE AND GROUP DESCRIPTION														
LINE	NOTE		DESCRIPTION	IDENT NO.	ONE SET OF GROUND MATERIAL (TEN TERMINATION GRD BAR, GRD LEAD, LUGS) FOR FLOOR TYPE DISTG FRAMES	ONE SET OF GROUND MATERIAL (5 TERMINATION GRD BAR, GRD LEAD, LUGS) FOR FLOOR TYPE DISTG FRAMES	ONE SET OF GROUND MATERIAL (GRD BAR, GRD LEAD, LUGS) FOR THE FIRST MODULE OF COMMON SYSTEM LINE-UP PROFILE FOR FLOOR TYPE INSTALLATION	ONE SET OF GROUND MATERIAL (GRD BAR, GRD LEAD, LUGS) WITHOUT MISC TERM LUGS FOR FLOOR TYPE DOUBLE SIDED PROTECTOR FRAME	ONE SET OF GROUND MATERIAL (GRD BAR, GRD LEAD, LUGS) WITHOUT MISC TERM LUGS FOR WALL TYPE MAIN DISTRIBUTING FRAME	ONE SET OF GROUND MATERIAL (GRD BAR, LUGS) FOR THE FIRST MODULE OF COMMON SYSTEM COMBINED DISTRIBUTING FRAME ED-97797-20 FOR ESS NO. 3	ONE SET OF GROUND MATERIAL (GRD BAR, LUGS) FOR ADDITIONAL MODULE OF COMMON SYSTEM COMBINED DISTRIBUTING FRAME ED-97797-20 FOR ESS NO. 3	ONE SET OF GROUND MATERIAL (TERMINAL LUGS & HARDWARE) FOR SPLICING BETWEEN GRD BARS (SEE NOTE 53)					
					GR 1	GR 2	GR 3	GR 4	GR 5	GR 6	GR 7	GR 8	GR	GR	GR	GR	GR	GR	GR
101	S		GROUND BAR	P-403877	1														
	S		GROUND BAR	P-427480		1	1			1	1								
	S		GROUND BAR	P-408639				1											
	S		GROUND BAR	P-403876					1										
105																			
	S		BRACKET	P-408638				1											
110	S		KS-15977,L311 TERM LUG		2	2	3	2	3	1	2	2							
115	S		KS-5482-01 #0 STRANDED WIRE TYPE RHW		15FT	15FT	9FT	15FT	15FT		9FT								
120	X		HH CAP SCREW 1/4-20 X 3/4	P-65745			6			2	4								
	X		HH CAP SCREW 1/4-20 X 7/8	P-65746	4	4	2	4	6			4							
	X		HH CAP SCREW 1/4-20 X 1 1/4	P-65731					4										
	X		HH CAP SCREW 3/8-16 X 1	P-127312				3											
	X		HH CAP SCREW 3/8-16 X 5/8	P-210224			2			2	2								
125	X		HH CAP SCREW 3/8-16 X 1 1/8	P-160861	3	2													
	X		WASHER .446 X .875 X .071	P-284166				6											
	X		WASHER .4375 X 1 X .083	P-69966	6	4	2			2	2								
	X		WASHER .2656 X 5/8 X .065	P-160738	8	8	12	8	16	4	8	8							
130																			
	X		~~LOCKWASHER EXT. T(.250)~~	~~P-423636~~	~~4~~	~~4~~	~~6~~	~~4~~	~~6~~	~~2~~	~~4~~	~~4~~							
	X		HEX NUT 3/8-16	841064777	3	2		3											
135	X		HEX NUT 1/4-20	800657470	4	4	6	4	10	2	4	4							
140																			
145																			
150																			
155																			

SHOP / INST

MANUFACTURING NOTES

1. IN STOCKLIST:
   S - PARTS NOT ASSEMBLED, SHIPPED SEPARATE.
   ☒ - MISC ITEMS REQUIRED FOR INSTALLATION
X 2. WHEN THE COPPER BONDING BAR IS AT THE TOP OF THE WALL TYPE FRAME, THE PROTECTOR GROUND LEAD #0 BARE COPPER WIRE FROM THIS BAR TO THE GROUND BAR SHALL BE RUN ALONG THE VERTICAL END SUPPORT OF THE FRAME.
X 3. ATTACH GROUND LEADS TO BUS BAR IN THE ORDER MOST SUITABLE FOR WIRING PLAN.
X 4. LUGS SHALL BE REVERSED WHEN LEADS ARE BROUGHT DOWN (FLOOR TYPE FRAME) OR FROM THE LEFT (WALL TYPE FRAME).
X 5. THE TERMINAL LUGS SHOWN ARE SUITABLE FOR THE SIZES OF LEADS ORDINARILY USED. WHERE LARGER OR SMALLER LEADS ARE REQUIRED, SUITABLE TERMINALS SHALL BE USED.
X 6. GROUND BAR TO BE LOCATED AS SHOWN AT A POINT ALONG THE FRAME WHICH WILL REQUIRE THE MINIMUM RUN FOR THE VARIOUS GROUND LEADS AND FRAME DRILLED ON INSTALLATION FOR MOUNTING SAME.
X 7. IN CASES WHERE LEADS WOULD NORMALLY ENTER THE FRAME FROM ABOVE THE 2 X 1/4 GROUND BUS BAR MAY BE PLACED AT THE TOP OF THE FRAME INSTEAD OF AT THE BOTTOM AS SHOWN. IN SUCH CASES THE BAR SHOULD BE LOCATED SO THAT IT WILL NOT INTERFERE WITH THE SWITCHBOARD CABLES ENTERING THE FRAME.
X 8. INSTALLER SHALL DRILL AND TAP THE 1/2 GROUND BAR FURNISHED WITH FRAME FOR 1/4-20 HH CAP SCREW FOR MOUNTING TERM LUG, AS REQUIRED.
X 9. THE NO. 0 WIRE ORDERED FOR G-8 SHALL BE CUT TO REQUIRED LENGTH ON INSTALLATION.
X 10. ATTACH 145-C NO PLATES (WITH DESIGNATION STAMPED THEREON) TO THE ASSOCIATED GROUND LEADS SHOWN. THESE NO PLATES ARE FURNISHED IN THE JOB EQPT SPECIFICATIONS.
X 11. THE NO. 0 STRANDED WIRE TO THE FIRST MODULE TO BE INSTALLED IN THE LINE-UP SHALL BE RUN AND CUT AS REQUIRED.
X ~~12. P-423636 EXT. TOOTH LOCKWASHERS TO BE INSTALLED BETWEEN KS-15977,L 311 CRIMP LUGS AND GROUND BARS.~~

ENGINEERING NOTES

51. MADE FROM ED-90026-01 ISS 11 AND ED-90276-01 ISS 2.
52. ORDER 1/2 X 1/4 COPPER BAR FORMED BY INSTALLATION OR KS-5482-01 NO. 0 STRANDED WIRE AS REQUIRED FOR CONNECTING GROUND BUS BAR ACROSS PASSAGE WAYS IN ACCORDANCE WITH ED-90276-01 NOTE 5.
53. ORDER SUFFICIENT NO. 0 STRANDED WIRE (KS-5482-01 TYPE RHH) TO SPLICE BETWEEN GRD BARS WHERE REQUIRED. SEE FIG. 7 & 8.
54. ORDER NO. 0 STRANDED WIRE PER KS-5482-01 TYPE RHW AS REQUIRED AND ASSOC TERM. LUGS. SEE FIG A AND NOTE 5.
55. ORDER 145-C NUMBER PLATES AS REQUIRED. SEE NOTE 10.

NDO-90026-52CB-1 4-24-80

WDC	WDC	JWL		1

FIG. NUMBERS ADDED TO GROUP PICTORIALS, FIG. 8 ADDED; NOTE 53 EXPANDED.

AT&T NONE
9-9-80 WE CL 0

WDC	WDC	PFW		2

SH 1 NOTE 11 READ: THE NO. 0 STRANDED WIRE TO THE FIRST MODULE TO BE INSTALLED IN THE LINE-UP SHALL BE RUN AND CUT AS REQUIRED BY THE INSTALLER; NOTE 54 READ: ORDER NO. 0 STRANDED WIRE PER KS-5482-01 TYPE RHW AS REQUIRED FROM CENTRAL OFFICE GRD TO FIRST MODULE TO BE INSTALLED IN THE LINE-UP; SH 2 FIG. 1 ADDED, GROUPS 1,2 & 3 CHANGED TO AGREE WITH FIG. 1; SH 3 GROUPS 4 & 5 CHANGED TO AGREE WITH FIG. 1; SH 4 GROUPS 6 & 7 FROM AND TO INFO ADDED.

AT&T NONE
2-10-81 WE CL 0

RKC	RKC	PFW		3

FIG. A READ FIG. 1, REFERENCE TO FIG. 1 CHANGED TO FIG. A IN FIGS. 1-5. SL LINE 121 READ 1/4-20 X 1.

AT&T NONE
7-27-81 WE CL 0

RPR	RPR	PFW		4

IN SL; LINE 136 READ HEX NUT 3/8-16, P-47983, 2 PER GR-2, LINE 122 READ 6 PER GR-5; LINE 127 READ 3 PER GR-4; LINE 129 READ 14 PER GR-5; LINE 131 READ 8 PER GR-5; LINE 134, ADD 3 PER GR-1, 2 PER GR-2 & READ 4 PER GR-4; LINE 135 READ 8 PER GR-5. LINE 131 AND NOTE 12 LINED OUT. NOTE 55 ADDED.

8-18-82 CL:0

MA	MA	JGM		5

SHEET INDEX

SH NO.	ISSUE												
1	1	2	3	4	5								
2	1	2	3	4	5								
3	1	2	3	4	5								
4	1	2	3	3	5								

4N99

COMMON SYSTEMS
MDF, CDF & PORTECTOR FRAME
GROUND BUS BAR CONNECTIONS
FOR GROUNDING MDF, CDF & PROTECTOR
FRAMEWORK IN CENTRAL OFFICES

STANDARD

DWG SIZE	ISSUE
C2	5

WESTERN ELECTRIC	ED-90026-52	SHEET 1 OF 4

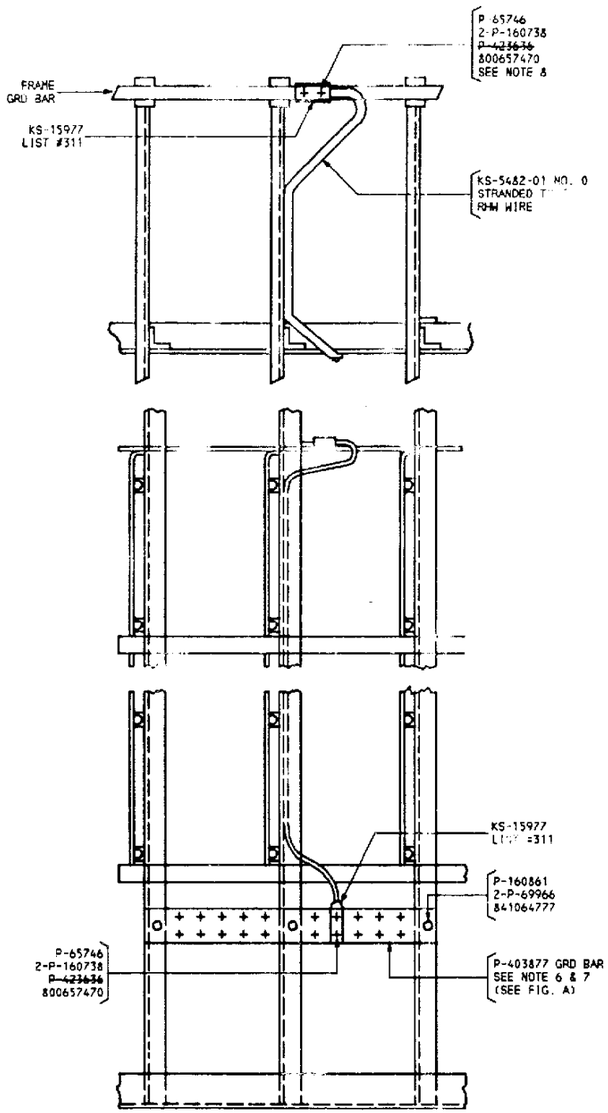

FIG. 1

(GROUP 1)
TYPICAL DISTRIBUTING FRAME
GROUNDING ARRANGEMENT
(10 TERMINATION GRD BAR)

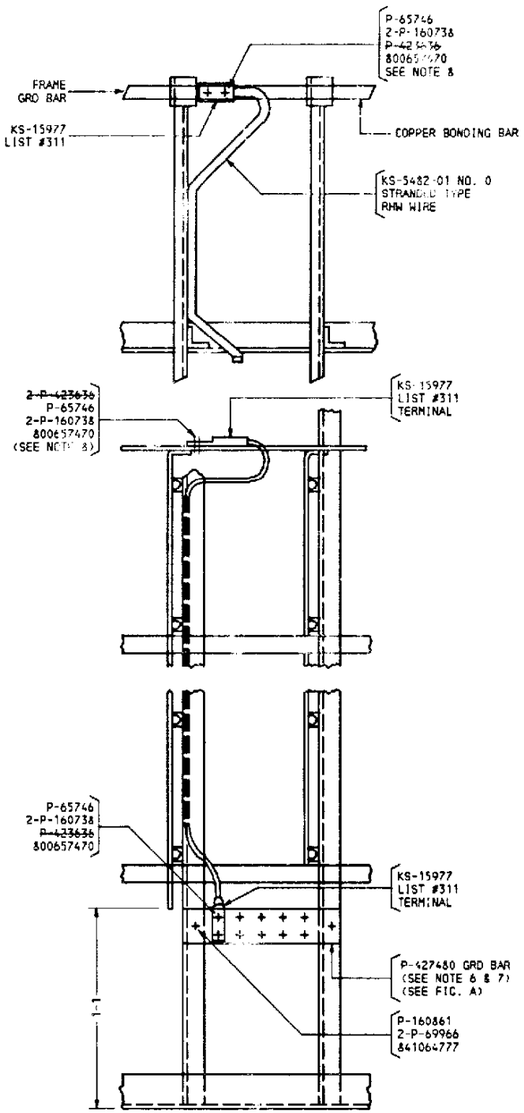

FIG. 2

(GROUP 2)
METHOD OF GROUNDING COMB DIST
FRAMES FOR 355A DIAL OFFICE
TYPICAL DISTRIBUTING FRAME
GROUNDING ARRANGEMENT
(5 TERMINATION GRD BAR)

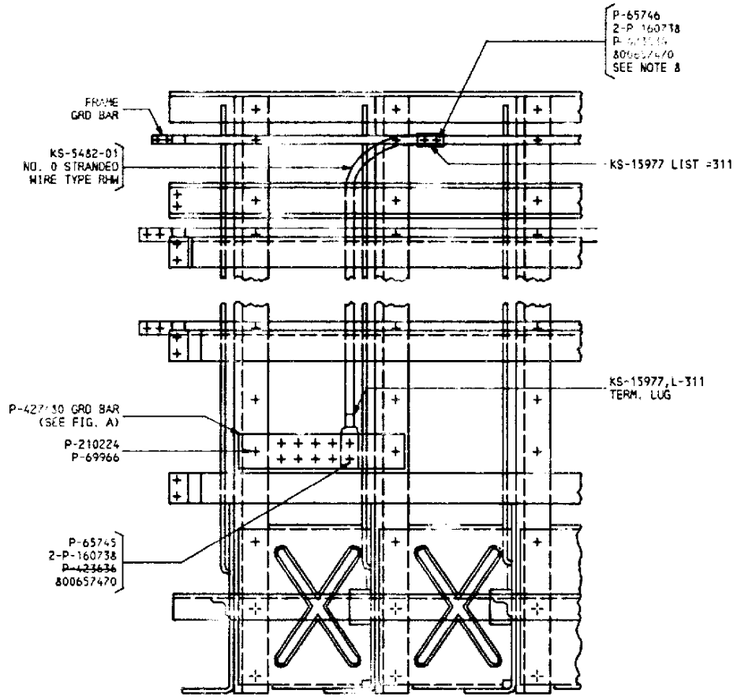

FIG. 3

(GROUP 3)
METHOD OF GROUNDING LOW
PROFILE MAIN DISTRIBUTING FRAMES, ED-97754-71

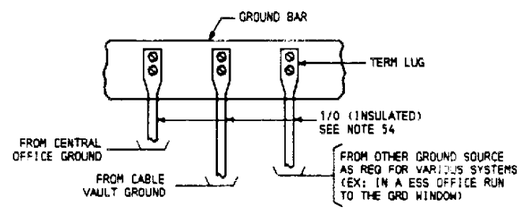

FIG. A

TYPICAL METHOD OF ESTABLISHING A PROTECTOR
GROUND POINT (SEE BSP-802-001-195)

GROUND BUS BAR CONNECTIONS FOR GROUNDING MDF, CDF & PROTECTOR FRAMEWORK IN CENTRAL OFFICES		
	DWG SIZE C2	ISSUE 5
WESTERN ELECTRIC	ED-90026-52	SHEET 2

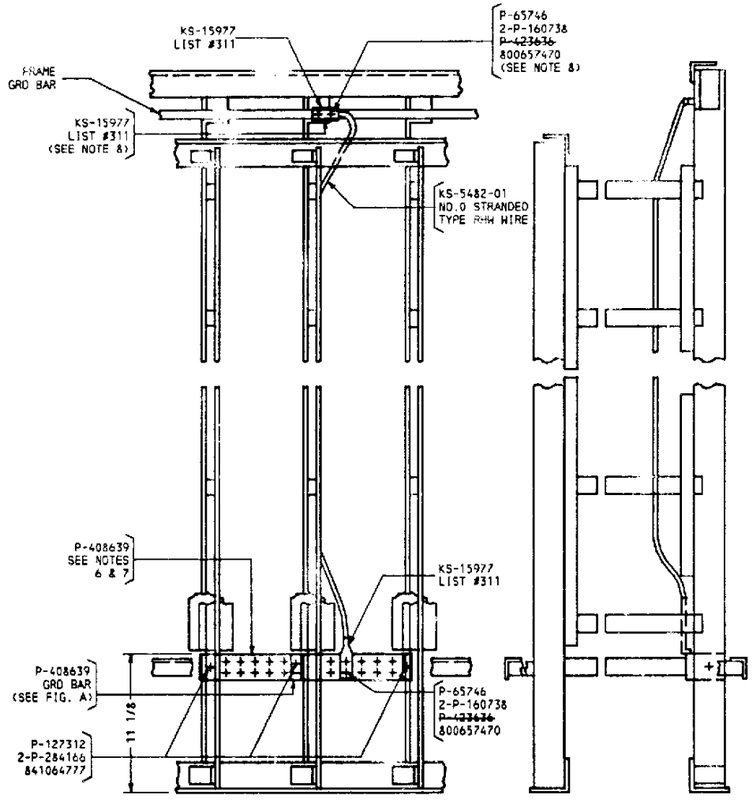

FIG. 4

(GROUP 4)
METHOD OF GROUNDING FLOOR TYPE
DOUBLE SIDED PROTECTOR FRAME

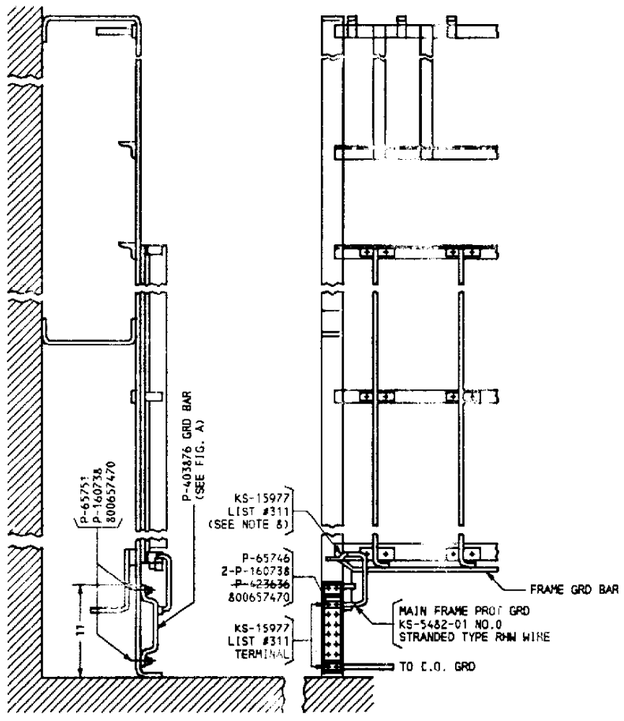

FIG. 5

(GROUP 5)
METHOD OF GROUNDING WALL
TYPE DISTRIBUTION FRAME

GROUND BUS BAR CONNECTIONS FOR GROUNDING MDF, CDF & PROTECTOR FRAMEWORK IN CENTRAL OFFICES	DWG SIZE C2	ISSUE 5
WESTERN ELECTRIC	ED-90026-52	SHEET 3

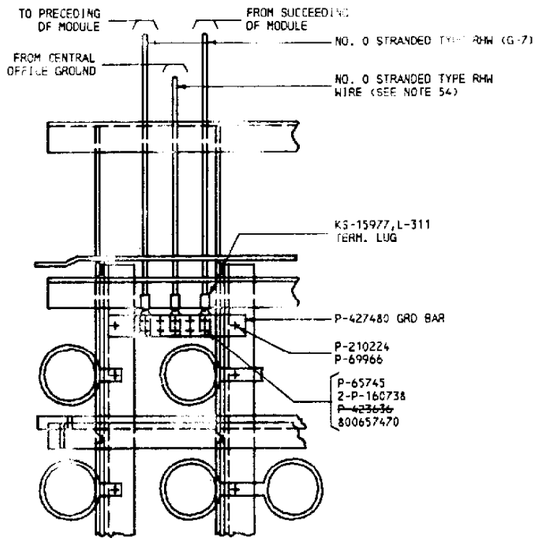

FIG. 6

(GROUP 6 OR 7)
METHOD OF GROUNDING COMBINED DISTRIBUTING FRAME (ED-97797-70) FOR ESS NO. 3

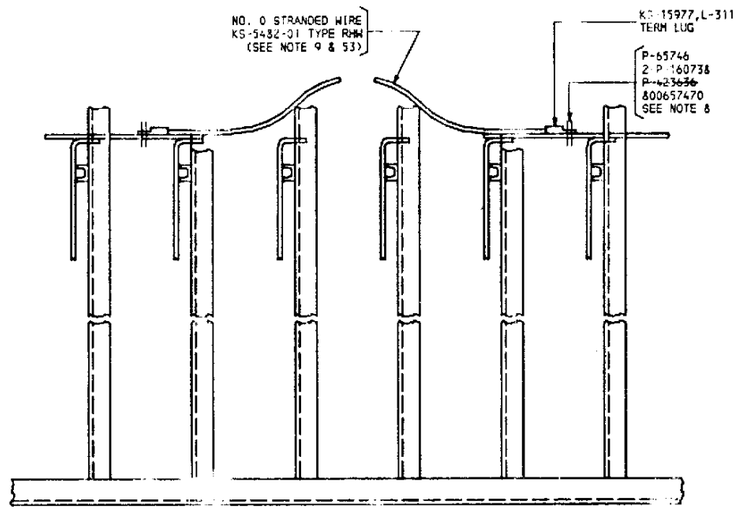

FIG. 7

(GROUP 8)
METHOD OF SPANNING GROUND OVER MDF OR CDF VERTICALS ARRANGED FOR TERMINAL STRIPS ON VERTICAL SIDE WHICH HAVE NO GROUND BAR

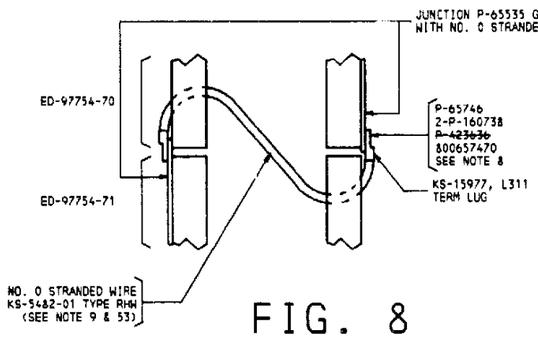

FIG. 8

(GROUP 8)
TYPICAL METHOD OF SPLICING GRD BETWEEN ED-97754-70 ADJACENT TO ED-97754-71

GROUND BUS BAR CONNECTIONS FOR GROUNDING MDF, CDF & PROTECTOR FRAMEWORK IN CENTRAL OFFICES	DWG SIZE C2	ISSUE 5
WESTERN ELECTRIC	ED-90026-52	SHEET 4