

TABLE A-FEATURES											
EQUIPMENT		RAT- ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA				SD EQUIVALENT			
DESCRIPTION	REF NOTE			QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
FRAME GROUND ASSEMBLY, 20-INCH LONG, #6 AWG STRANDED BARE COPPER WIRE. 1-HOLE LUG AT BOTH ENDS. INITIAL USE: 1ESS DA EFF:01/09/95 FE:ED4C686-70,G9		DA	1	ED1A200-10							
FRAME GROUND ASSEMBLY, 20-INCH LONG, #6 AWG STRANDED BARE COPPER WIRE. 1-HOLE LUG AT BOTH ENDS. INITIAL USE: 4ESS LINEUP CABLE RACKS JUNCTION. DA EFF:10/10/95 FE:ED4C686-70,G2A		DA	2	ED4A308-10							
FRAME GROUND KIT, 20-INCH LONG, #6 AWG STRANDED BARE COPPER WIRE. 1-HOLE LUG AT BOTH ENDS. INITIAL USE: 4ESS LINEUP CABLE RACKS JUNCTION. REPL:ED4C686-70,G2			2A	ED4A308-10	7				B1		
FRAME GROUND ASSEMBLY, 28-INCH LONG, #6 AWG STRANDED BARE COPPER WIRE. 1-HOLE LUG AT BOTH ENDS. INITIAL USE: 1A PROC, 4ESS DA EFF:01/09/95 FE:ED4C686-70,G9		DA	3	ED4A081-10 ED5A065-14							
FRAME GROUND ASSEMBLY, 16-INCH LONG, #6 AWG STRANDED BARE COPPER WIRE. 2-HOLE LUG AT ONE END. INITIAL USE: 4ESS CABLE EN-CLOSURE. DA EFF:10/10/95 FE:ED4C686-70,G4A		DA	4	ED4A308-10							
FRAME GROUND KIT, 16-INCH LONG, #6 AWG STRANDED BARE COPPER WIRE. 2-HOLE LUG AT ONE END. INITIAL USE: 4ESS CABLE EN-CLOSURE. REPL:ED4C686-70,G4			4A	ED4A308-10	13				B2		

TABLE-A CONTINUED

**ENGINEERING NOTES**

51. PURPOSE OF DRAWING:  
THE INITIAL PURPOSE OF THIS DRAWING IS TO COLLECT AND CONSOLIDATE HARDWARE AND KITS USED FOR GROUNDING ESS (ELECTRONIC SWITCHING SYSTEM) EQUIPMENT CABINETS, FRAMES AND ASSOCIATED POWER DISTRIBUTION EQUIPMENT FOR THE FOLLOWING SYSTEMS: 5ESS, 4ESS, 1E/1A ESS, ANS.  
NOTE: THIS DRAWING IS FOR MATERIAL ORDERING ONLY. FOR METHOD OF INSTALLATION, SEE DRAWINGS LISTED IN NOTE 53.

52. RESERVED.

53. ASSOCIATED DRAWINGS:  
THE FOLLOWING POWER DISTRIBUTION AND GROUNDING DRAWINGS WILL BE STRUCTURED TO ORDER GROUNDING HARDWARE GROUPS FROM THIS DRAWING:  
ED5D805-10 - 5ESS DC/AC POWER DISTRIBUTION AND GROUNDING.  
ED1S017-10 - ANS DC/AC POWER DISTRIBUTION AND GROUNDING.  
ED4A081-10 - 4ESS CENTRAL OFFICE GROUNDING.  
ED1A200-11 - 1E/1A ESS POWER DISTRIBUTION AND GROUNDING.  
ED4A308-10 - 4ESS CENTRAL OFFICE GROUNDING RAISED FLOOR APPLICATIONS.  
ANY OTHER DRAWING WHICH MAY REFERENCE TO ED4C686-70.

54. THIS DRAWING CONTAINS COMPLETE KITS AS WELL AS LOOSE PARTS. USE KITS WHENEVER POSSIBLE, AND ORDER LOOSE PARTS ONLY FOR UNIQUE CUSTOM SITUATIONS. ALSO NOTE SOME LOOSE PARTS MAY HAVE BEEN PLACED IN THIS DRAWING BEFORE THE KIT BECAME AVAILABLE.

ISSUE NOTES				
ORIG ISS: 01/20/95 NDD NBR: 1S017NW-1 CHANGE CLASS:				
DRAFT: STD	ENGR: GM	SUPV: GJM	CERTIFIED: 01/20/95	ISSUE: 1
THE FOLLOWING CHANGES WERE MADE TO COMPLY WITH THE CURRENT KITTING PROCESS: GROUPS 2,4,5,6,9,17,18 WERE DA. GROUPS 2A,4A,5A,6A,9A,17A,18A WERE ADDED. GROUPS 23 & 24 ADDED TO PROVIDE AN INSULATED GROUNDING CABLE. ADDED ED-DRAWING REFERENCES TO ALL APPLICABLE GROUPS. STOCKLIST ITEM 1041 (G4A), COMCODE 802291674 REPLACED WITH 800812935 FOR INVENTORY CONSOLIDATION.				
ORIG ISS: 01/20/95 CHANGE CLASS: B				
DRAFT: MR	ENGR: GM	SUPV:	CERTIFIED: 03/29/96	ISSUE: 2
STOCKLIST ITEMS 1185 AND 1300 CHANGED FROM COMCODE 847578481 TO 901319772. THIS PART DOES NOT HAVE A DRAWING AND SHOULD NOT HAVE BEEN AN "8" SERIES COMCODE. THIS CHANGE WAS MADE TO RESOLVE ORDERING PROBLEMS.				
ORIG ISS: 01/20/95 CHANGE CLASS: ME				
DRAFT: GM	ENGR: GM	SUPV: GJM	CERTIFIED: 06/26/96	ISSUE: 3
DA'D GROUP 16. ADDED C-TAP TO GROUPS 7 AND 7A. ADDED NEW GROUPS 25 - 29. GROUPS 27 - 29 WERE INTRODUCED TO SUPERCEDE ED4A308-10 ORDERING INFORMATION. ADDED ITEM 1076 AND ITEMS 1380 - 1460 TO STOCKLIST. FIGURES B1 - B26 WERE ADDED TO HELP DRAWING USERS IDENTIFY GROUP COMPONENTS. ADDED FIGURE CROSS REFERENCES TO TABLE 'A'. REMOVED ED4A358-10 DRAWING REFERENCE FROM TABLE 'A' BECAUSE IT IS NOT CERTIFIED YET. IN ENGINEERING NOTE 53, REMOVED ED4A358-10; REPLACED "A-I-NET" WITH "ANS". REMOVED NOTE 'S' FROM STOCKLIST FOR ALL ITEMS.				
ORIG ISS: 01/20/95 NDD NBR: NDD4C686IX-1 CHANGE CLASS: B				
DRAFT: AP	ENGR: RCT	SUPV: GJM	CERTIFIED: 10/02/98	ISSUE: 4

SHEET INDEX										
SHT NBR	A1 THRU A3 ISSUE 4									
ISSUE										
SHT NBR	D1 THRU D2 ISSUE 4									
ISSUE										
SHT NBR	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
ISSUE	4	4	4	4	4	4	4	4	4	4
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LUCENT TECHNOLOGIES - PROPRIETARY USE PURSUANT TO COMPANY INSTRUCTIONS	
BT13	
COMMON ESS EQUIPMENT GROUNDING HARDWARE AND KITS	
DWG SIZE C2	ISSUE 4
LUCENT TECHNOLOGIES INC	ED4C686-70
SHEET A1 OF 15	

ED4C686-70

TABLE A-FEATURES (CONTINUED)											
EQUIPMENT		EQUIPMENT OR CIRCUIT DATA						SD EQUIVALENT			
DESCRIPTION	REF NOTE	RAT-ING	LIST OR GROUP	QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
FRAME GROUND ASSEMBLY, 28-INCH LONG, #6 AWG STRANDED BARE COPPER WIRE. 2-HOLE LUG AT BOTH ENDS. INITIAL USE: 4ESS 7 FT FRAMES DA EFF:10/10/95 FE:ED4C686-70,G5A		DA	5		ED4A308-10						
FRAME GROUND KIT, 28-INCH LONG, #6 AWG STRANDED BARE COPPER WIRE. 2-HOLE LUG AT BOTH ENDS. INITIAL USE: 4ESS 7 FT FRAMES REPL:ED4C686-70,G5			5A		ED4A308-10	12				B3	
CROSS AISLE TROUGH GROUND STRAP KIT, 30-INCH LONG, #6 AWG STRANDED BARE COPPER WIRE. 1-HOLE LUG AT ONE END, PLUS FLAG CONNECTOR. INITIAL USE: 4ESS DA EFF:10/10/95 FE:ED4C686-70,G6A		DA	6		ED4A308-10						
CROSS AISLE TROUGH GROUND STRAP KIT, 30-INCH LONG, #6 AWG STRANDED BARE COPPER WIRE. 1-HOLE LUG AT ONE END, PLUS FLAG CONNECTOR. INITIAL USE: 4ESS REPL:ED4C686-70,G6			6A		ED4A308-10	29				B4	
CROSS AISLE GROUND STRAP KIT, 8-INCH LONG, #6 AWG STRANDED BARE COPPER WIRE. 1-HOLE LUG AT ONE END AND C-TAP FOR OTHER END. INITIAL USE: 4ESS.			7		ED4A081-10	SK.K				B5	
CROSS AISLE GROUND STRAP KIT, 20-INCH LONG, #6 AWG STRANDED BARE COPPER WIRE. 1-HOLE LUG AT ONE END AND C-TAP FOR OTHER END. INITIAL USE: 4ESS.			7A		ED4A081-10	SK.K				B6	
GROUND CABLE KIT FOR LADDER TYPE CABLE RACKS, 24-INCH LONG, #6 AWG STRANDED BARE COPPER WIRE. 2-HOLE LUG AND GROUND CLAMP WITH SET SCREWS AT BOTH ENDS. USE THIS KIT FOR APPLICATION WHERE DRILLING OF HOLES IS NOT ALLOWED. INITIAL USE: 4ESS RAISED FLOOR INSTALLATIONS.			8		ED4A308-10	25 26				B7	
FRAME GROUND CABLE ASSEMBLY, 23-INCH LONG, #6 AWG STRANDED BARE COPPER WIRE. 2-HOLE LUG WITH 0.625 INCH CENTER AT BOTH ENDS. INITIAL USE: 4ESS, 1A ESS DA EFF:10/10/95 FE:ED4C686-70,G9A		DA	9		ED1A200-10 ED4A081-10						
FRAME GROUND CABLE KIT, 23-INCH LONG, #6 AWG STRANDED BARE COPPER WIRE. 2-HOLE LUG WITH 0.625 INCH CENTER AT BOTH ENDS. INITIAL USE: 4ESS, 1A ESS REPL:ED4C686-70,G9			9A		ED1A200-10 ED4A081-10	4A				B8	
BURNDY U-CLAMP HARDWARE REQUIRED TO GROUND RAISED FLOOR PEDESTALS (SIZE 1-3/4"). INITIAL USE: 4ESS COOTF			10		ED4A308-10	24A				B9	
"C" TAP REQUIRED TO CONNECT #2 AWG TO #6 AWG RAISED FLOOR GROUND CONDUCTORS. ORDER ONE GROUP PER CONNECTION. INITIAL USE: 4ESS COOTF			11		ED4A308-10	22 24A				B10	
HARDWARE KIT REQUIRED TO CONNECT A #6 AWG CONDUCTOR TO A COPPER BUS BAR 3/8 BOLT SIZE. NOTE:TERMINAL LUG PROVIDED BY GROUP 13, IF NEEDED.			12		ED4A308-10 ED5D805-10	36 C50				B11	

TABLE-A CONTINUED

ED4C686-70

TABLE A-FEATURES (CONTINUED)											
EQUIPMENT		EQUIPMENT OR CIRCUIT DATA						SD EQUIVALENT			
DESCRIPTION	REF NOTE	RAT-ING	LIST OR GROUP	QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
COPPER TWO-HOLE (1 INCH CENTER) LUG TERMINAL FOR # 6 AWG CONDUCTOR AND 3/8 BOLT SIZE.				13	ED4A308-10 ED5D805-10	36 C50				B11	
KS23836 L19 KIT PROVIDES PARALLEL TAP (KS23836 L9) AND INSULATED COVER (KS21652 L11) FOR SPLICING #6 AWG INS. GROUNDING CONDUCTORS.				14	ED4A308-10 ED5D805-10	35 C20				B12	
GROUND WINDOW LABEL.				15	ED4A308-10 ED5D805-10	17 C90				B13	
FRAME GROUND CABLE ASSEMBLY, 40-INCH LONG, #6 AWG STRANDED BARE COPPER WIRE. 2-HOLE LUG AT BOTH ENDS. INITIAL USE: FUTURE. DA EFF:05/01/98 FE/RA:NONE		DA		16							
FRAME GROUND CABLE ASSEMBLY, 20-INCH LONG, #6 AWG STRANDED BARE COPPER WIRE. 1 TWO-HOLE LUG AT ONE END. INITIAL USE: 6 FT CABINETS MODEL CLASSIC, AND 5E-2000 PHASE I. DA EFF:09/11/95 FE:ED4C686-70,G17A		DA		17	ED5D805-10 ED1S017-10						
FRAME GROUNDING KIT, 20-INCH LONG, #6 AWG STRANDED BARE COPPER WIRE. 1 TWO-HOLE LUG AT ONE END. INITIAL USE: 6 FT CABINETS MODEL CLASSIC, AND 5E-2000 PHASE I. ORDER FOR SLAB INSTALLATIONS OR ANY APPLICATION WHERE CABLING IS DONE OVERHEAD. REPL:ED4C686-70,G17				17A	ED4A308-10 ED5D805-10 ED1S017-10	11 C20 C30				B14	
GROUNDING KIT (METRIC) 914MM (36-INCH) LONG, #6 AWG STRANDED BARE COPPER WIRE. 1 TWO-HOLE LUG AT ONE END. INITIAL USE: 6 FT CABINETS MODEL 5E-2000 PHASE II. DA EFF:09/11/95 FE:ED4C686-70,G18A		DA		18	ED5D805-10 ED1S017-10						
GROUNDING KIT (METRIC) 914MM (36-INCH) LONG, #6 AWG STRANDED BARE COPPER WIRE. 1 TWO-HOLE LUG AT ONE END. INITIAL USE: 6-FT CABINETS MODEL 5E-2000 PHASE II. ORDER FOR SLAB INSTALLATIONS OR ANY APPLICATION WHERE CABLING IS DONE OVERHEAD. REPL:ED4C686-70,G18				18A	ED5D805-10 ED1S017-10	C20 C30				B15	
COPPER "C" TAP FOR CONNECTING TWO #6 AWG COPPER GROUND WIRES IN APPLICATIONS WHERE NO INSULATION IS NECESSARY.				19	ED4A308-10 ED5D805-10	25 C20				B16	
COPPER TWO-HOLE (1 INCH CENTERS) TERMINAL LUG FOR #6 AWG CONDUCTOR AND UP TO 1/4 INCH BOLT SIZE.				20	ED4A308-10 ED5D805-10	10 C20				B17	

TABLE-A CONTINUED

SEE PROPRIETARY NOTICE ON SHEET ONE

BT13

COMMON ESS EQUIPMENT  
GROUNDING HARDWARE AND KITS

DWG SIZE  
C2

ISSUE  
4

LUCENT TECHNOLOGIES INC

ED4C686-70

SHEET A2  
OF 15

PRINTED IN U.S.A.

TABLE A-FEATURES (CONTINUED)

EQUIPMENT		RAT- ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA				SD EQUIVALENT		
DESCRIPTION	REF NOTE			QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG
METRIC SCREWS AND WASHERS FOR FASTENING GROUND TERMINAL LUG TO AN EQUIPMENT CABINET. INITIAL USE: 5E-2000 PHASE II CABINETS. MAY BE USED WITH GROUP 20.			21	ED5D805-10	C20				B18	
METRIC HARDWARE AND TERMINAL LUG TO CONNECT A #1/0 AWG GROUNDING CONDUCTOR TO THE EQUIPMENT CABINET FRAMEWORK. INITIAL USE: 5ESS MISCELLANEOUS CABINET WHEN USED AS A POWER DISTRIBUTION FRAME. 5ESS CLASSIC CABINET MODEL ONLY.			22	ED1S017-10 ED5D805-10	C20 C30 C40				B19	
GROUNDING KIT, METRICS #6 AWG INSULATED GREEN, STRANDED TINNED COPPER CABLE AND ASSOCIATED FASTENING HARDWARE. 6-FT LONG, E/W ONE TWO-HOLE LUG AT ONE END. H TAP AND COVER PROVIDED FOR OTHER END. INITIAL APPLICATION: 5E-2000 PHASE II CABINET. ORDER FOR RAISED FLOOR APPLICATIONS OR ANY APPLICATIONS WHERE CABLING IS DONE FROM BELOW. REPL:NONE			23	ED1S017-10 ED5D805-10	C20 C30				B20	
GROUNDING KIT, #6 AWG INSULATED GREEN, STRANDED TINNED COPPER CABLE AND ASSOCIATED FASTENING HARDWARE. 6-FT LONG, E/W 1 TWO-HOLE LUG AT ONE END. H TAP AND COVER PROVIDED FOR OTHER END. INITIAL APPLICATION: 5ESS 6FT. CLASSIC, AND 5E-2000 PHASE I MODEL CABINETS. ORDER FOR RAISED FLOOR INSTALLATIONS OR ANY APPLICATIONS WHERE CABLING IS DONE FROM BELOW. REPL:NONE			24	ED1S017-10 ED5D805-10	C20 C30				B21	
145C TAG WITH METAL RING (BLANK) USED FOR WIRE IDENTIFICATION. REPL:NONE			25	ED5D805-10	C100				B22	
145P TAG WITHOUT RING (BLANK) USED FOR WIRE IDENTIFICATION. REPL:NONE			25A						B22A	
GROUNDING KIT FOR TERMINATING SMALL GAUGE WIRES (UP TO 16AWG). KIT CONTAINS GROUNDING STRIP AND ASSOCIATED FASTENING HARDWARE. [KIT] REPL:NONE			26	ED5D805-10	C110				B23	
STANDARD SCREWS AND WASHERS FOR FASTENING GROUND TERMINAL LUG TO 4ESS 3B20D CABINET. INITIAL USE: 4ESS			27	ED4A308-10	10				B24	
SCREWS AND WASHERS FOR FASTENING GROUND TERMINAL LUG TO 4ESS ABC FRAME J86330B. INITIAL USE: 4ESS			28	ED4A308-10	28				B25	
COPPER TWO-HOLE (3/4 INCH CTR) LUG TERMINAL FOR #6 AWG CONDUCTOR AND 1/4 INCH BOLT SIZE. INITIAL USE: 4ESS			29	ED4A308-10	30				B26	
END OF TABLE-A										

SEE PROPRIETARY NOTICE ON SHEET ONE

BT13

COMMON ESS EQUIPMENT  
GROUNDING HARDWARE AND KITS

DWG SIZE  
C2

ISSUE  
4

ED4C686-70

LUCENT TECHNOLOGIES INC ED4C686-70

SHEET A3  
OF 15

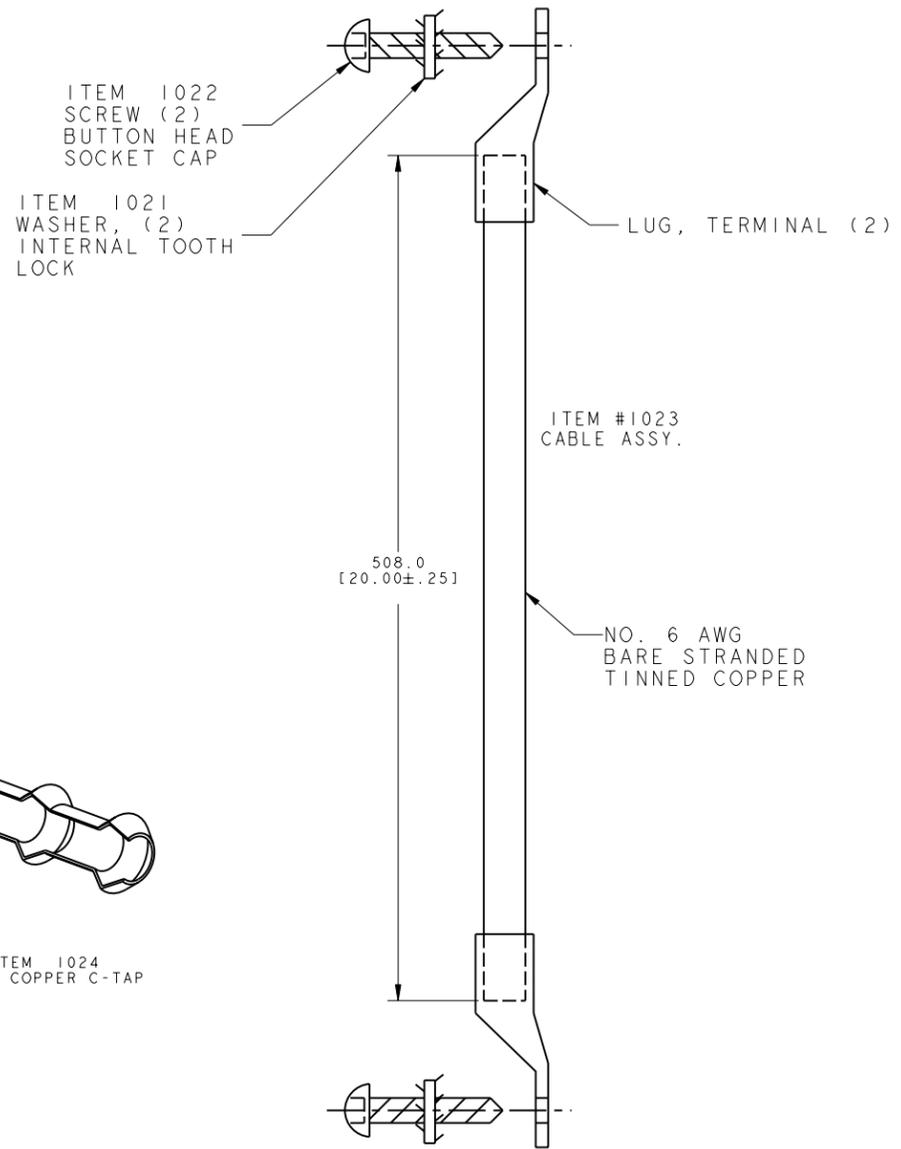


FIG. B1  
GROUP 2A

NOTE:

1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS. EQUIVALENT INCH DIMENSIONS ARE ENCLOSED IN [ ].
2. ALL DIMENSIONS ARE FOR REFERENCE ONLY.

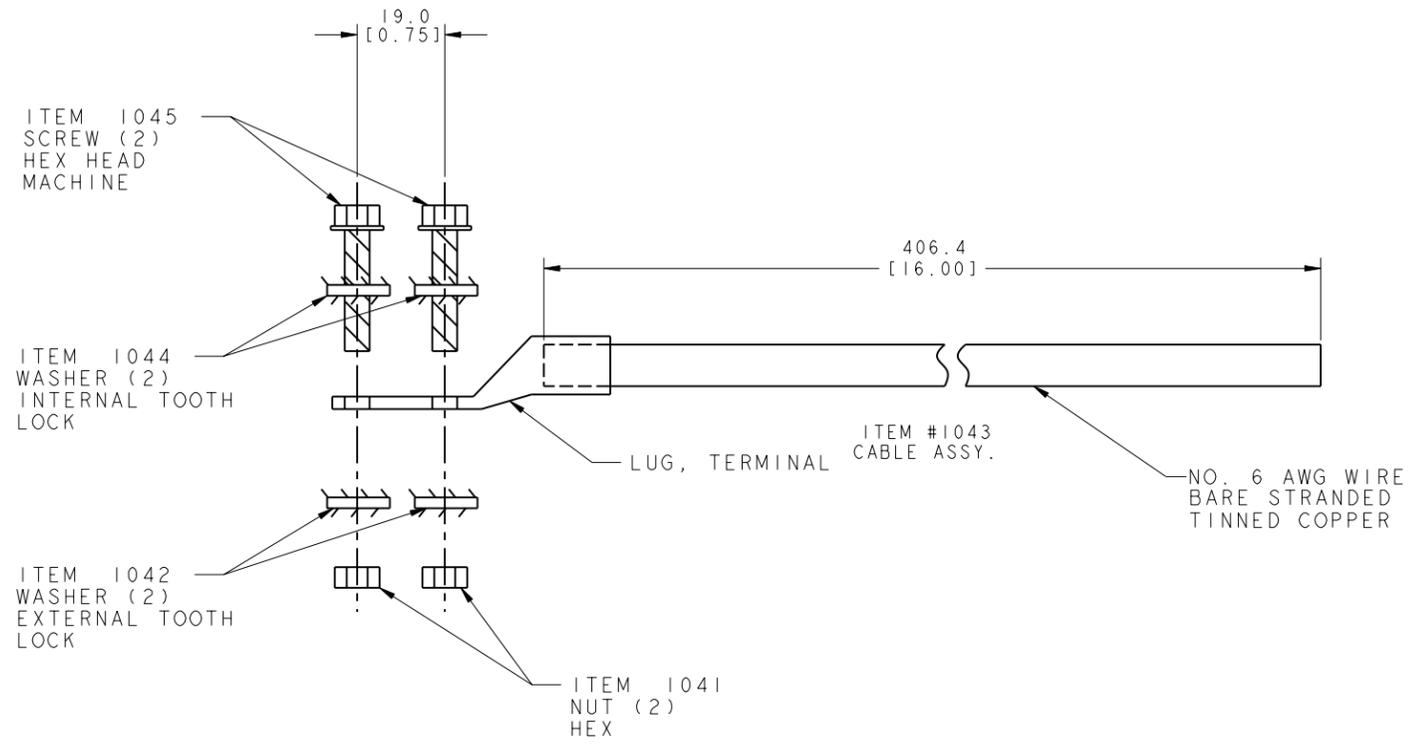


FIG. B2  
GROUP 4A

PROJ-EGEDFORM.FRM-FEB-96

ED4C686-70

FOR PROPRIETARY NOTICE SEE SHEET A1		
COMMON ESS EQUIPMENT GROUNDING HARDWARE AND KITS	THIRD ANGLE PROJN	
	DWG SIZE C2	ISSUE 4
LUCENT TECHNOLOGIES	ED4C686-70	SHEET NO. B1
MODEL NAME		

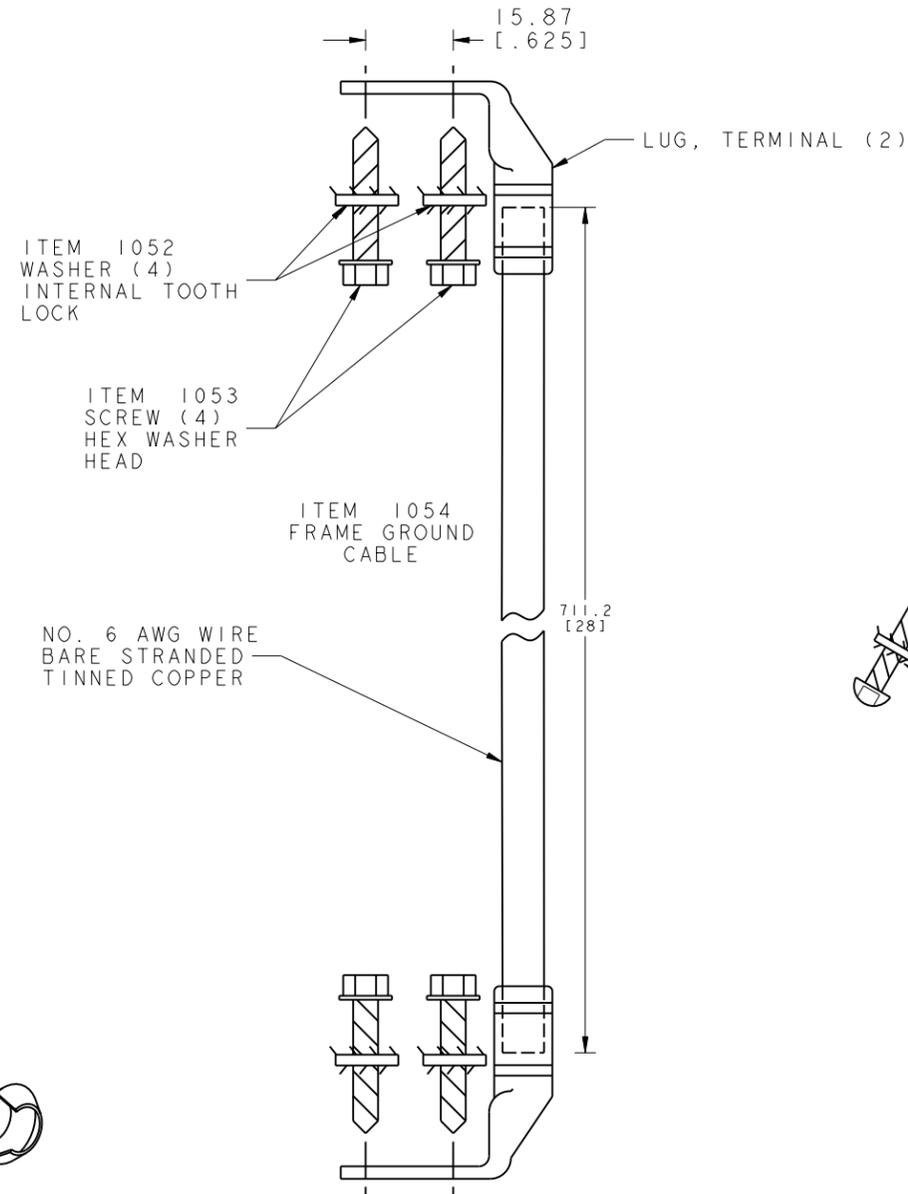
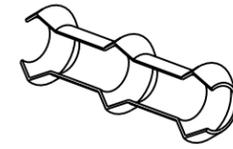
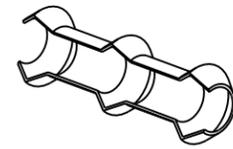


FIG. B3  
GROUP 5A

ITEM 1051  
BARE COPPER C-TAP



ITEM 1061  
BARE COPPER C-TAP

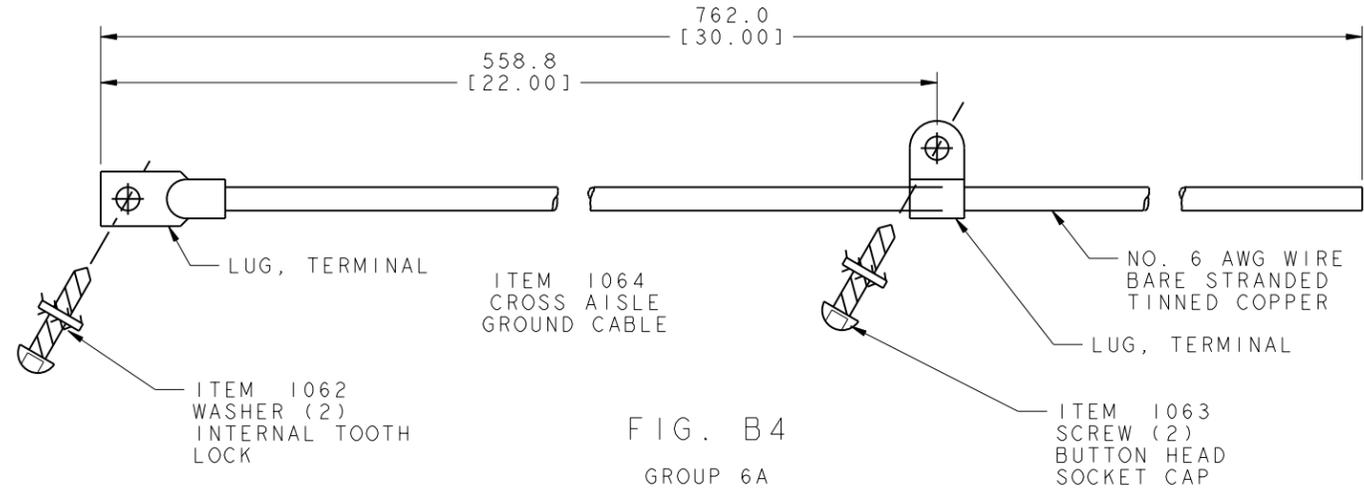


FIG. B4  
GROUP 6A

NOTE:

1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS. EQUIVALENT INCH DIMENSIONS ARE ENCLOSED IN [ ].
2. ALL DIMENSIONS ARE FOR REFERENCE ONLY.

FOR PROPRIETARY NOTICE SEE SHEET A1		THIRD ANGLE PROJN	
COMMON ESS EQUIPMENT GROUNDING HARDWARE AND KITS			
DWG SIZE C2	ISSUE 4	SHEET NO. B2	
LUCENT TECHNOLOGIES	ED4C686-70	MODEL NAME	

NOTE:

- 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS. EQUIVALENT INCH DIMENSIONS ARE ENCLOSED IN [ ].
- 2. ALL DIMENSIONS ARE FOR REFERENCE ONLY.

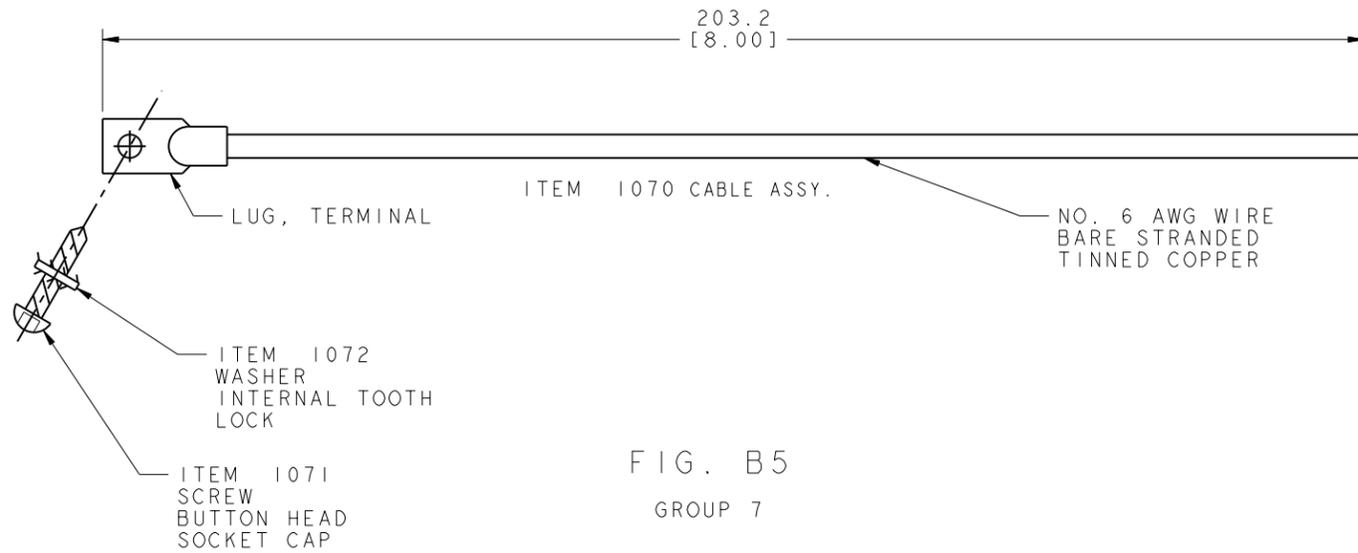


FIG. B5  
GROUP 7

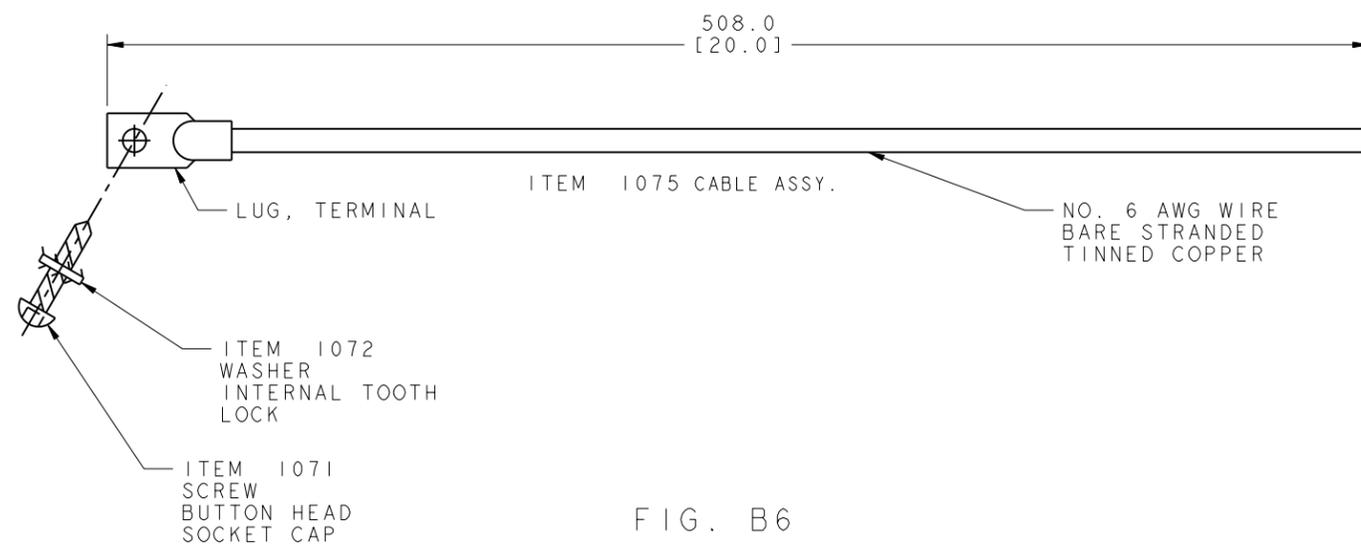
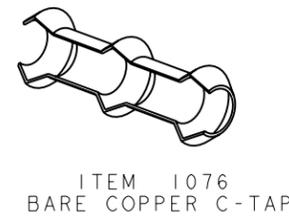


FIG. B6  
GROUP 7A



PROJ-EGEDFORM.FRM-FEB-96

ED4C686-70

FOR PROPRIETARY NOTICE SEE SHEET A1		
COMMON ESS EQUIPMENT GROUNDING HARDWARE AND KITS	THIRD ANGLE PROJ 	
	DWG SIZE C2	ISSUE 4
LUCENT TECHNOLOGIES	ED4C686-70	SHEET NO. B3
MODEL NAME		

NOTE:

1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS. EQUIVALENT INCH DIMENSIONS ARE ENCLOSED IN [ ].
2. ALL DIMENSIONS ARE FOR REFERENCE ONLY.

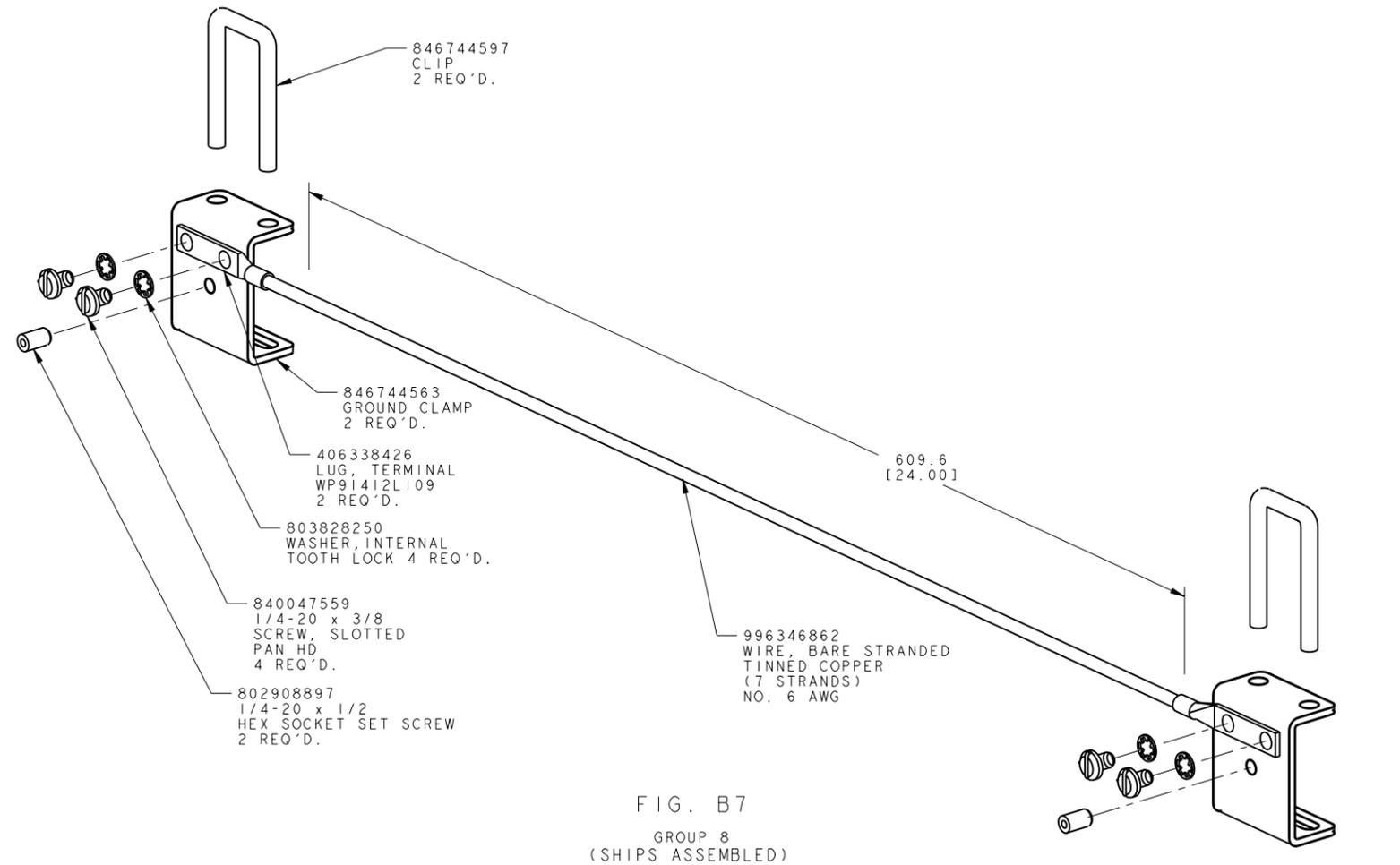


FIG. B7  
GROUP 8  
(SHIPS ASSEMBLED)

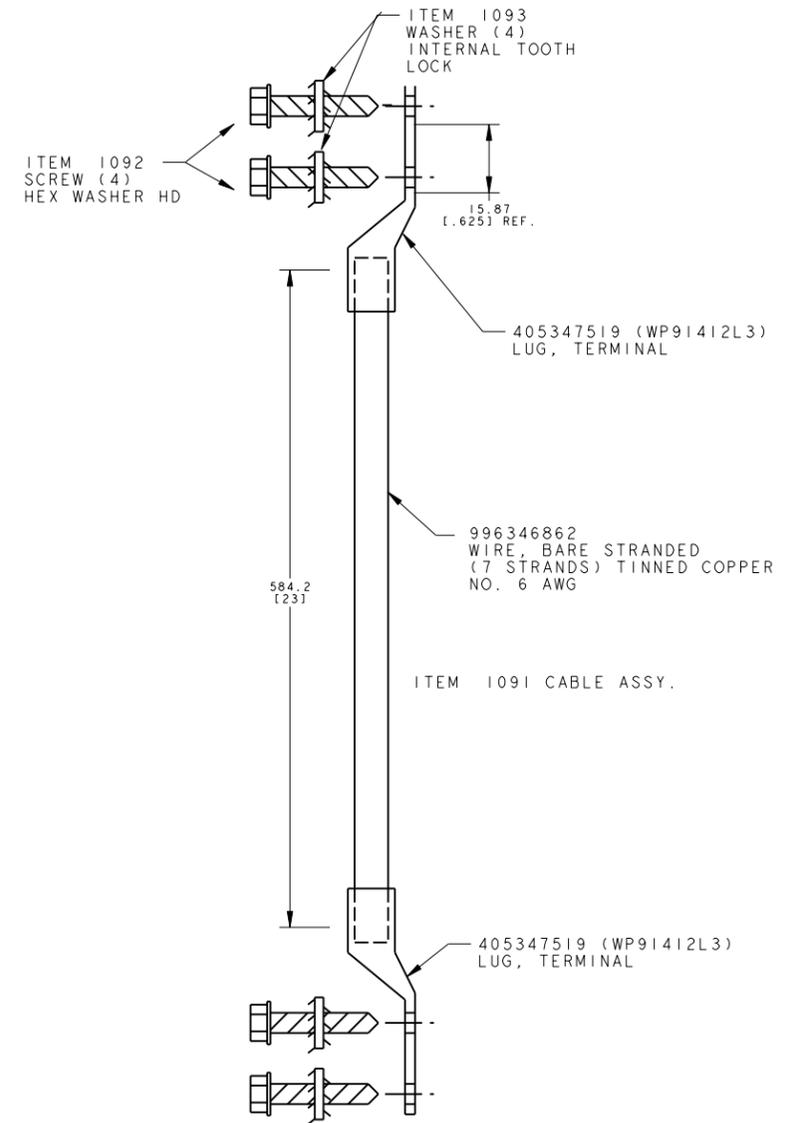


FIG. B8  
GROUP 9A

PROJ-EGEDFORM.FRM-FEB 96

ED4C686-70

FOR PROPRIETARY NOTICE SEE SHEET A1			
COMMON ESS EQUIPMENT GROUNDING HARDWARE AND KITS		THIRD ANGLE PROJ 	
(P) DWG SIZE C2		ISSUE 4	
LUCCENT TECHNOLOGIES	ED4C686-70	SHEET NO. B4	
MODEL NAME			

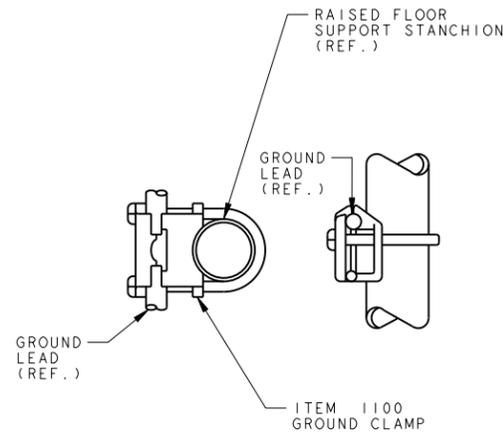


FIG. B9  
GROUP 10

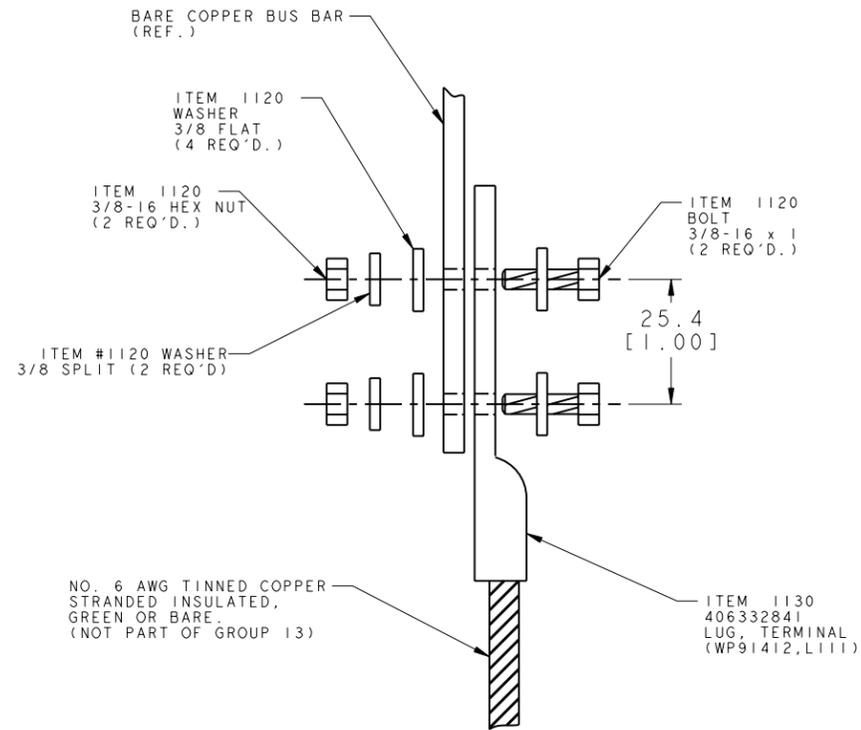
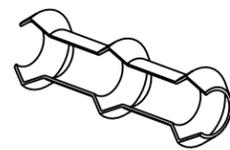


FIG. B11

GROUP 12  
(ITEM 1120 ONLY)  
HARDWARE KIT

GROUP 13  
(ITEM 1130 ONLY)  
LUG, TERMINAL



ITEM 1110  
BARE COPPER C-TAP

FIG. B10  
GROUP 11

NOTE:

1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS. EQUIVALENT INCH DIMENSIONS ARE ENCLOSED IN [ ].
2. ALL DIMENSIONS ARE FOR REFERENCE ONLY.

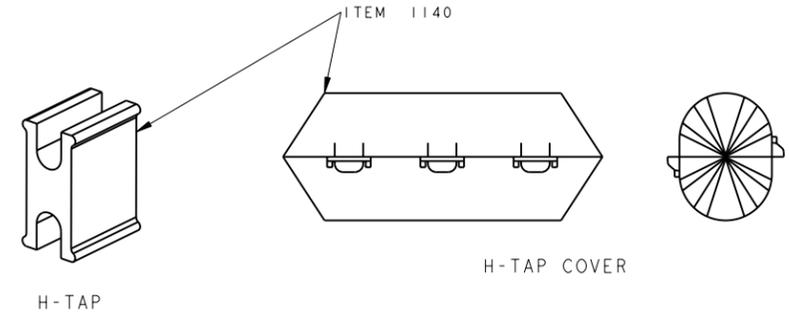


FIG. B12  
GROUP 14

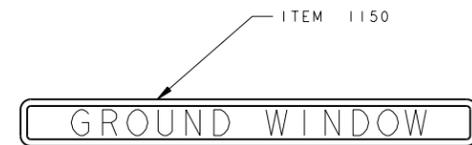
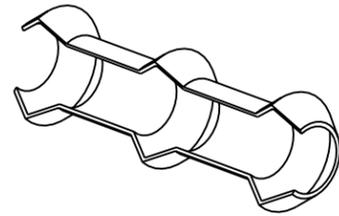
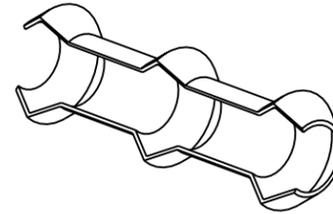


FIG. B13  
GROUP 15  
GROUND WINDOW LABEL

FOR PROPRIETARY NOTICE SEE SHEET A1			
COMMON ESS EQUIPMENT GROUNDING HARDWARE AND KITS	THIRD ANGLE PROJN		SHEET NO. B5
	DWG SIZE C2	ISSUE 4	
LUCCENT TECHNOLOGIES	ED4C686-70		MODEL NAME



ITEM 1174  
BARE COPPER C-TAP CONNECTOR



ITEM 1184  
BARE COPPER C-TAP CONNECTOR

NOTE:

1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS. EQUIVALENT INCH DIMENSIONS ARE ENCLOSED IN [ ].
2. ALL DIMENSIONS ARE FOR REFERENCE ONLY.

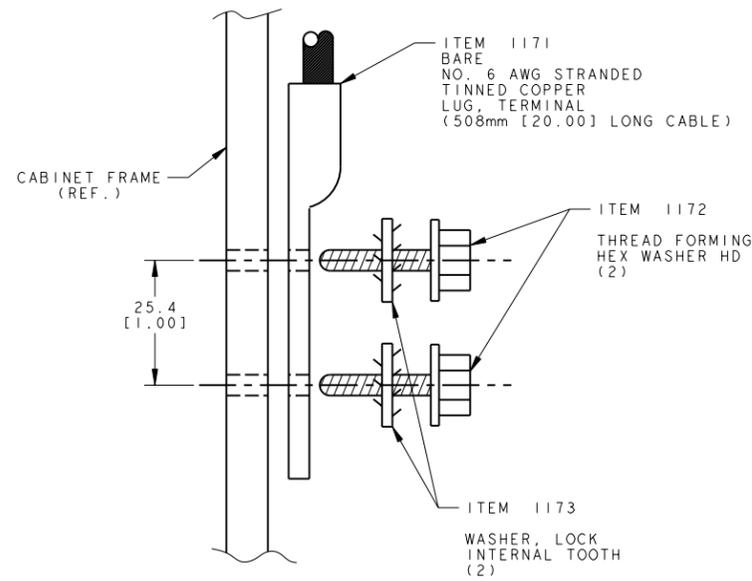


FIG. B14  
GROUP 17A  
STANDARD GROUNDING KIT

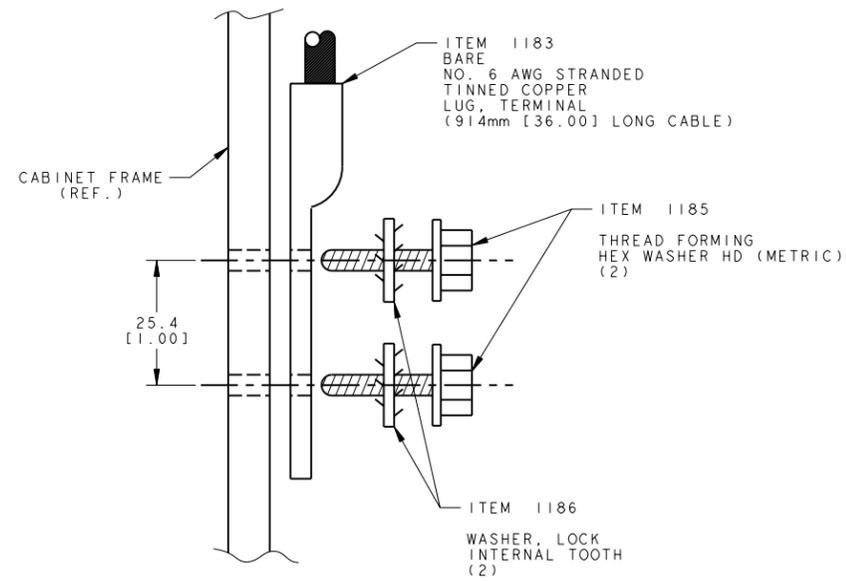
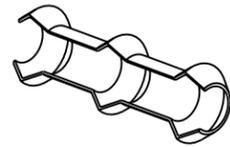


FIG. B15  
GROUP 18A  
METRIC GROUNDING KIT

PROJ-EGEDFORM.FRM-FEB-96

ED4C686-70

FOR PROPRIETARY NOTICE SEE SHEET A1		THIRD ANGLE PROJ 	
COMMON ESS EQUIPMENT GROUNDING HARDWARE AND KITS		DWG SIZE C2	ISSUE 4
LUCENT TECHNOLOGIES	ED4C686-70	SHEET NO. B6	
MODEL NAME			



ITEM # 1190  
FIG. B16  
GROUP 19  
BARE COPPER C-TAP CONNECTOR

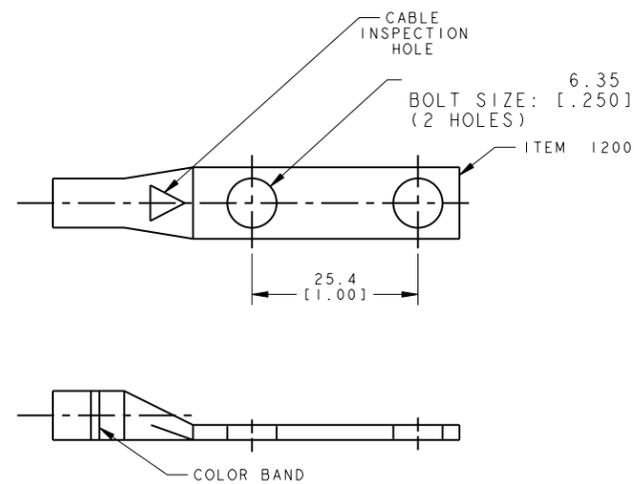


FIG. B17  
GROUP 20  
LUG TERMINAL

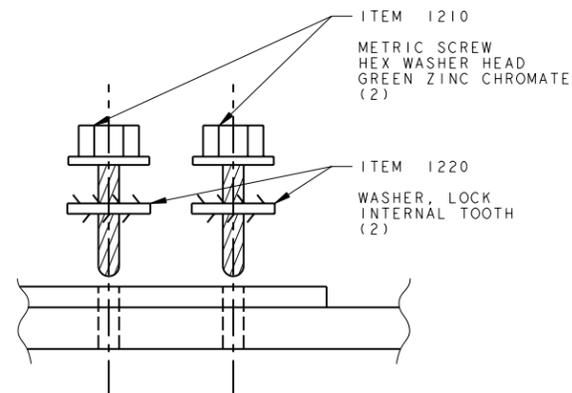
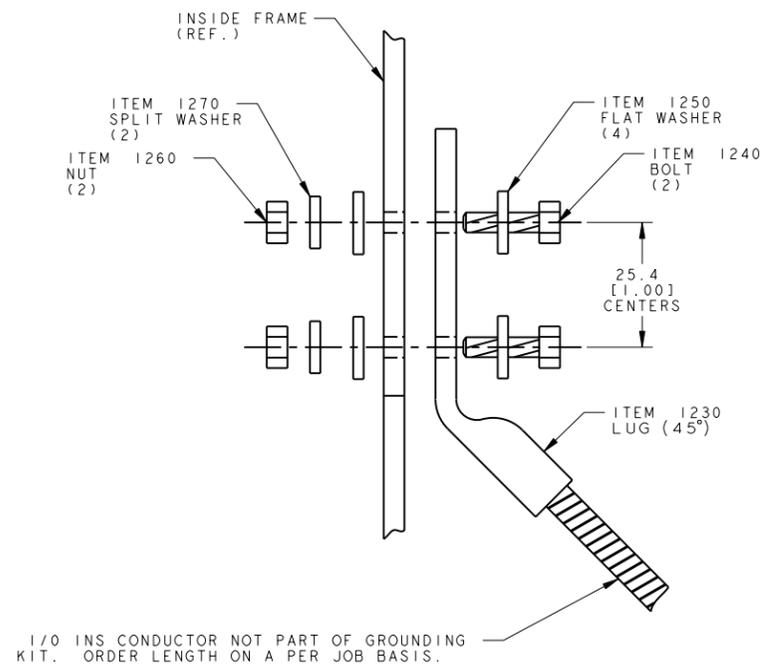


FIG. B18  
GROUP 21  
METRIC GROUNDING HARDWARE



1/0 INS CONDUCTOR NOT PART OF GROUNDING KIT. ORDER LENGTH ON A PER JOB BASIS.

FIG. B19  
GROUP 22  
METRIC GROUNDING KIT

NOTE:

1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS. EQUIVALENT INCH DIMENSIONS ARE ENCLOSED IN [ ].
2. ALL DIMENSIONS ARE FOR REFERENCE ONLY.

FOR PROPRIETARY NOTICE SEE SHEET A1		THIRD ANGLE PROJ	
COMMON ESS EQUIPMENT GROUNDING HARDWARE AND KITS			
(P)	DWG SIZE C2	ISSUE 4	SHEET NO. B7
LUCCENT TECHNOLOGIES	ED4C686-70		MODEL NAME

NOTE:

- 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS. EQUIVALENT INCH DIMENSIONS ARE ENCLOSED IN [ ].
- 2. ALL DIMENSIONS ARE FOR REFERENCE ONLY.

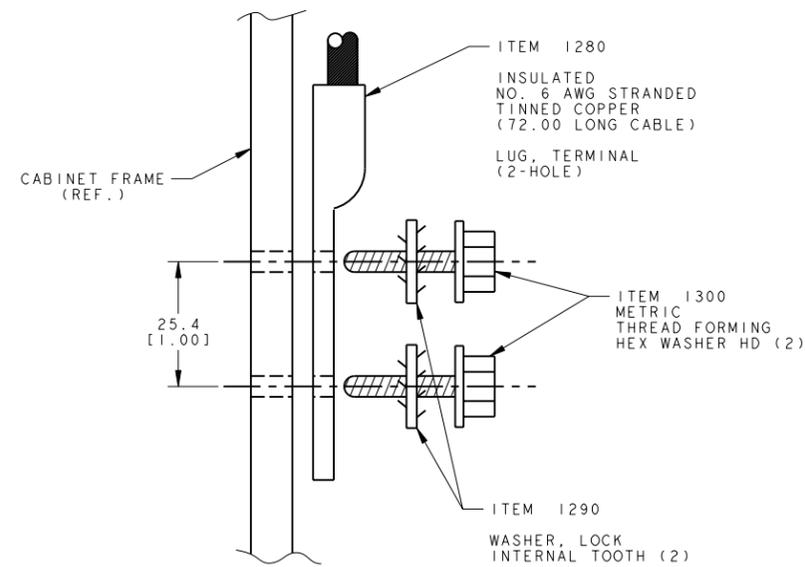
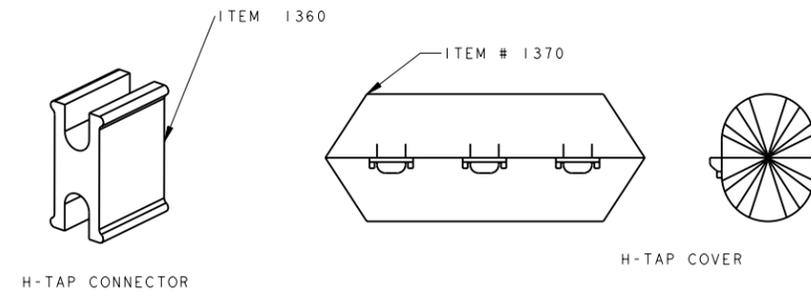
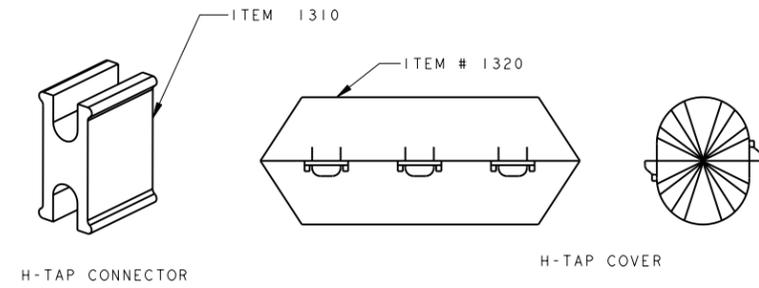


FIG. B20  
GROUP 23  
METRIC GROUNDING KIT

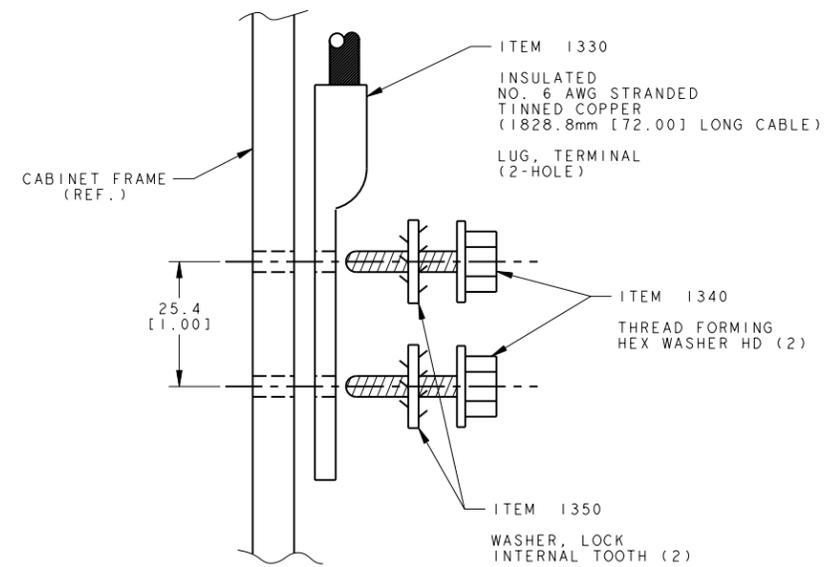


FIG. B21  
GROUP 24  
STANDARD GROUNDING KIT

PROJ-EGEDFORM.FRM-FEB-96

ED4C686-70

FOR PROPRIETARY NOTICE SEE SHEET A1		THIRD ANGLE PROJ 	
COMMON ESS EQUIPMENT GROUNDING HARDWARE AND KITS		DWG SIZE C2	ISSUE 4
LUCENT TECHNOLOGIES	ED4C686-70	SHEET NO. B8	
MODEL NAME			

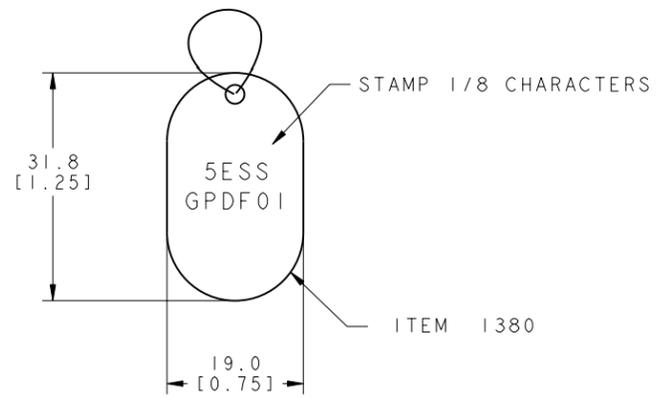


FIG. B22  
GROUP 25  
145C TAG

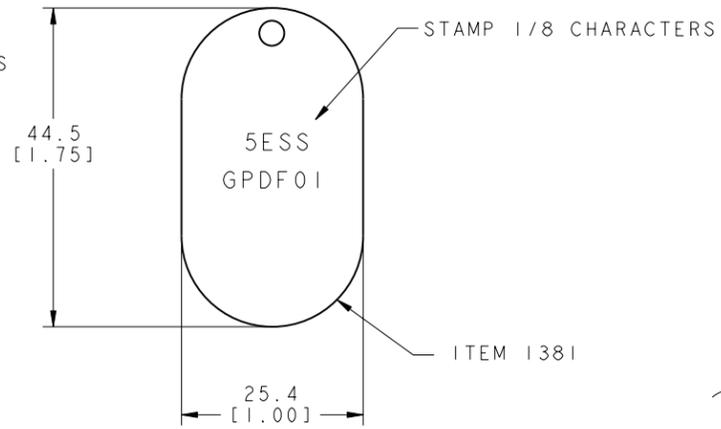


FIG. B22A  
GROUP 25A  
145P TAG

NOTE:  
1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS. EQUIVALENT INCH DIMENSIONS ARE ENCLOSED IN [ ].  
2. ALL DIMENSIONS ARE FOR REFERENCE ONLY.

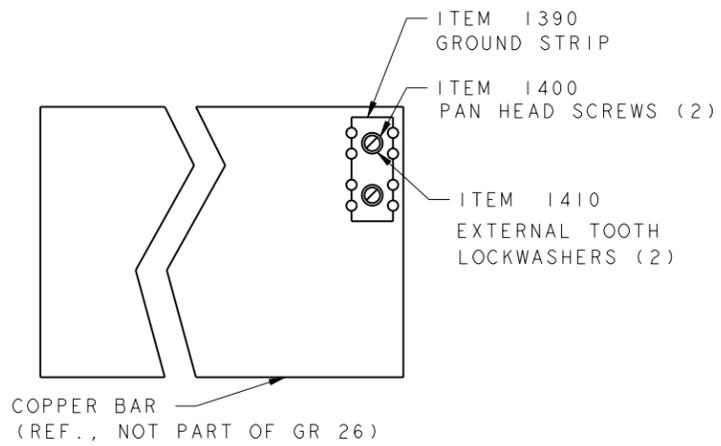


FIG. B23  
GROUP 26  
GROUNDING KIT

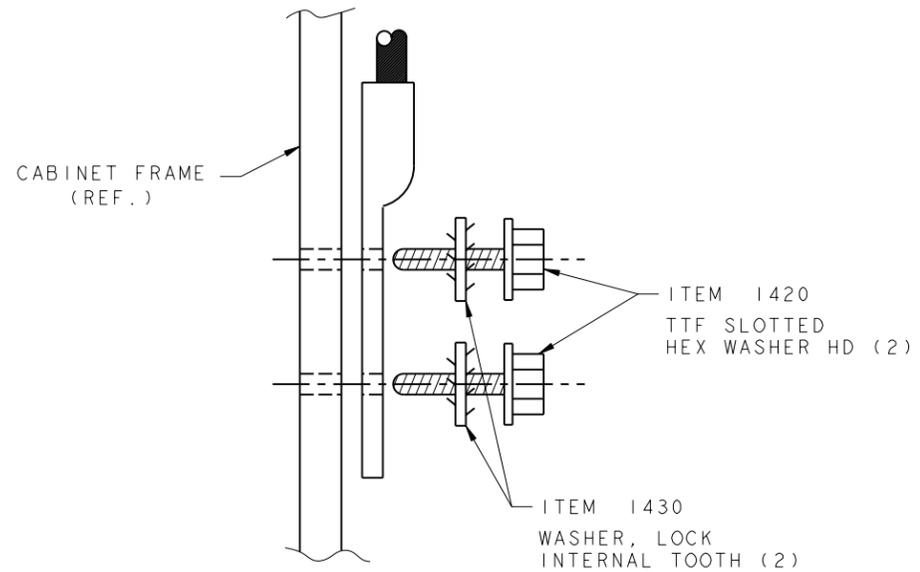


FIG. B24  
GROUP 27

FOR PROPRIETARY NOTICE SEE SHEET A1		THIRD ANGLE PROJ 	
COMMON ESS EQUIPMENT GROUNDING HARDWARE AND KITS		DWG SIZE C2	ISSUE 4
LUCENT TECHNOLOGIES	ED4C686-70	SHEET NO. B9	
MODEL NAME			

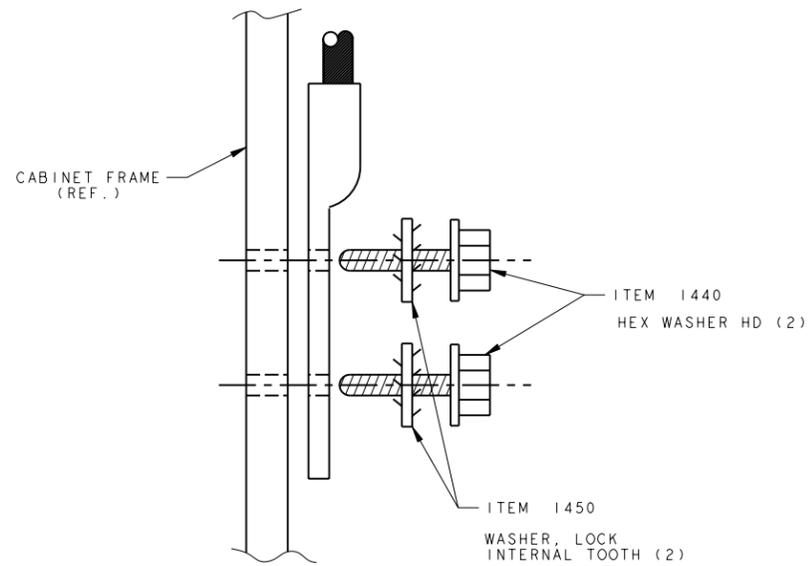


FIG. B25  
GROUP 28

NOTE:

1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS. EQUIVALENT INCH DIMENSIONS ARE ENCLOSED IN [ ].
2. ALL DIMENSIONS ARE FOR REFERENCE ONLY.

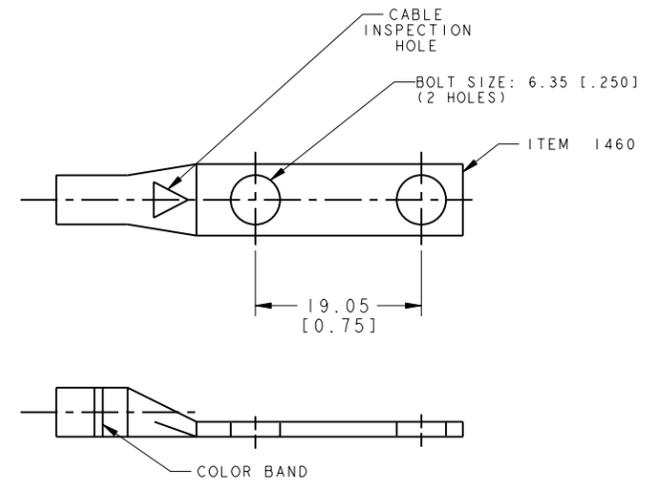


FIG. B26  
GROUP 29

PROJ-EGEDFORM.FRM-FEB-96

ED4C686-70

FOR PROPRIETARY NOTICE SEE SHEET A1		THIRD ANGLE PROJ	
COMMON ESS EQUIPMENT GROUNDING HARDWARE AND KITS			
DWG SIZE C2	ISSUE 4	SHEET NO. B10	
LUCENT TECHNOLOGIES	ED4C686-70	MODEL NAME	

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1010	1	1	840044341		CABLE ASSEMBLY			
1020	2	1	846776441		CABLE ASSEMBLY, FRAME GROUND 21 5/8 IN LENGTH			
1021	2A	2	802496810	P249681	WASHER .190 X .025 X .381 STEEL ITLW			
1022	2A	2	814477386	P44G738	SCREW, BUTTON HEAD SOCKET CAP .190-24 X 3/8			
1023	2A	1	841172695		CONNECTOR FRAME GROUND CONNECT ASSY			
1024	2A	1	407281070		EQUIPMENT, C-TAP CONNECTOR #YC4L12 BURNDY CORP.			
1030	3	1	841628381		CABLE ASSEMBLY			
1040	4	1	846776466		CABLE ASSEMBLY, GROUND			
1041	4A	2	800812935	P81293	NUT, HEXAGON .190-32 STEEL			
1042	4A	2	804236347	P423634	WASHER, EXTERNAL TOOTH LOCK .190 STEEL 289A FINISH			
1043	4A	1	847640083		CABLE, GROUND			
1044	4A	2	802496810	P249681	WASHER .190 X .025 X .381 STEEL ITLW			
1045	4A	2	801724642	P172464	SCREW, HEXAGON HEAD MACHINE .190-32 X 3/4			
1050	5	1	846763290		CABLE ASSEMBLY, FRAME GROUND BENT AT 90 DEGREE ANGLE E/W (2) HOLE LUGS & FASTENING HARDWARE			
1051	5A	1	407281070		EQUIPMENT, C-TAP CONNECTOR #YC4L12 BURNDY CORP.			
1052	5A	4	803828250	P382825	WASHER, INTERNAL LOCK .250 X .478 X .028 STEEL 289A FINISH			
1053	5A	4	840057640		SCREW, HEX WASHER HEAD			
1054	5A	1	847640075		CABLE, FRAME GROUND			
1060	6	1	845081850		STRAP, GROUND ASSEMBLY			
1061	6A	1	407281070		EQUIPMENT, C-TAP CONNECTOR #YC4L12 BURNDY CORP.			
1062	6A	2	802496810	P249681	WASHER .190 X .025 X .381 STEEL			
1063	6A	2	814477386	P44G738	SCREW, BUTTON HEAD SOCKET CAP .190-24 X 3/8			
1064	6A	1	847640059		CABLE, CROSS AISLE GROUND			
1070	7	1	845081868		STRAP, GROUND ASSEMBLY			
1071	7,7A	1	814477386	P44G738	SCREW, BUTTON HEAD SOCKET CAP .190-24 X 3/8			
1072	7,7A	1	802496810	P249681	WASHER .190 X .025 X .381 STEEL			
1075	7A	1	845081876		STRAP, GROUND ASSEMBLY			
1076	7,7A	1	407281070		EQUIPMENT, C-TAP CONNECTOR #YC4L12 BURNDY CORP.			
1080	8	1	846776458		CABLE ASSEMBLY, GROUND			
1090	9	1	846603355		CABLE ASSEMBLY, FRAME GROUND E/W (2)-HOLE LUGS & FASTENING HARDWARE			
1091	9A	1	847640042		CABLE, FRAME GROUND 2-HOLE LUGS AT BOTH ENDS			
1092	9A	4	840057640		SCREW, HEX WASHER HEAD			

STOCKLIST CONTINUED ON SHEET D2

ED4C686-70

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MANUFACTURING NOTES

1. X PARTS REQUIRED FOR INSTALLATION.

X/ PARTS REQUIRED FOR MANUFACTURE WHEN EQUIPMENT IS SHOP MOUNTED OR BY THE INSTALLER WHEN THE EQUIPMENT IS TO BE FIELD MOUNTED.

\* PARTS THAT ARE TO BE SHIPPED ATTACHED TO OR ENCLOSED IN THE SAME CONTAINER WITH THE ASSOCIATED ASSEMBLED ITEM.

\*/ PARTS (A) REQUIRED FOR MANUFACTURE WHEN EQUIPMENT INVOLVED IS SHOP MOUNTED OR (B) TO BE SHIPPED ATTACHED TO, OR ENCLOSED IN THE SAME CONTAINER WITH THE ASSOCIATED ASSEMBLED ITEM WHEN FIELD MOUNTED.

( ) INDICATES DESIGNATIONS TO BE STAMPED IN ACCORDANCE WITH JOB INFORMATION.

{ } INDICATES DESIGNATIONS SHOWN FOR INFORMATION ONLY AND ARE NOT TO BE STAMPED.

< > INDICATES DESIGNATIONS AND/OR INFORMATION PROVIDED IN ACCORDANCE WITH OTHER INFORMATION.

"W" PARTS ASSEMBLED AT THE SAME TIME THE EQUIPMENT IS MOUNTED.

"\*\*" PARTS TO BE (A) SHOP ASSEMBLED, BUT WHICH CANNOT BE ASSEMBLED UNTIL THE ASSOCIATED EQUIPMENT IS BEING MOUNTED, OR (B) SHIPPED ATTACHED TO, OR ENCLOSED IN THE SAME CONTAINER WITH THE ASSOCIATED EQUIPMENT WHEN FIELD MOUNTED.

"S" PARTS NOT ASSEMBLED, SHIPPED SEPARATELY.

A/R AS REQUIRED.

"B" PARTIAL ASSEMBLIES ON OTHER DRAWINGS WITH STOCKLISTS.

SEE PROPRIETARY NOTICE ON SHEET ONE

BT13

COMMON ESS EQUIPMENT  
GROUNDING HARDWARE AND KITS

DWG SIZE C2	ISSUE 4
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LUCENT TECHNOLOGIES INC ED4C686-70

SHEET OF	D1 15
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STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1093	9A	4	803828250	P382825	WASHER, INTERNAL LOCK .250 X .478 X .028 STEEL 289A FINISH			
1094	9A	1	407281070		EQUIPMENT, C-TAP CONNECTOR #YC4L12 BURNDY CORP.			
1100	10	1	995195294		CONNECTOR, ELECTRICAL #GAR174C GROUND			
1110	11	1	407281146		EQUIPMENT, C-TAP CONNECTOR #YC2L12 BURNDY CORP.			
1120	12	1	407040914		KIT, HARDWARE #TMH267 BURNDY CO.			
1130	13	1	406332841	WP91412L111	LUG, TERMINAL, CRIMP			
1140	14	1	406825661	KS23836L19	KIT, CABLE CONNECTOR WITH CAP			
1150	15	1	845624329		LABEL, WINDOW GROUND			
1160	16	1	847083094		ASSEMBLY, FRAME GROUND			
1170	17	1	847097938		ASSEMBLY, FRAME GROUND			
1171	17A	1	847621505		CABLE, GROUNDING BARE STRD TINNED COPPER			
1172	17A	2	840026835		SCREW, TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) STEEL ZINC PLATE 289A FINISH			
1173	17A	2	803881440	P388144	WASHER, INTERNAL TOOTH LOCK .025 X .216 X .410 STEEL 289A FINISH			
1174	17A	1	407281070		EQUIPMENT, C-TAP CONNECTOR #YC4L12 BURNDY CORP.			
1180	18	1	847350436		KIT, GROUNDING (METRIC)			
1183	18A	1	847590866		CABLE, GROUNDING BARE STRD TINNED COPPER			
1184	18A	1	407281070		EQUIPMENT, C-TAP CONNECTOR #YC4L12 BURNDY CORP.			
1185	18A	2	901319772		SCREW, HEXAGONAL WASHER HEAD #M6X1.0X16MM TYM6 X 1 X 16MM STEEL GREEN ZINC CHROMATE FINISH QUALITY, TYPE W			
1186	18A	2	803828250	P382825	WASHER, INTERNAL LOCK .250 X .478 X .028 STEEL 289A FINISH			
1190	19	1	407281070		EQUIPMENT, C-TAP CONNECTOR #YC4L12 BURNDY CORP.			
1200	20	1	406338426	WP91412L109	LUG, TERMINAL, CRIMP 2-HOLE, 1 INCH CENTER. 1/4 " BOLT SIZE			
1210	21	2	847578481		SCREW, HEXAGONAL WASHER HEAD M6 X 1 X 16 STEEL GREEN ZINC CHROMATE FINISH			
1220	21	2	803828250	P382825	WASHER, INTERNAL LOCK .250 X .478 X .028 STEEL 289A FINISH			
1230	22	1	400831475		LUG, TERMINAL #54209UF THOMAS & BETTS CORP.			
1240	22	2	901276972		SCREW, HEXAGONAL WASHER HEAD M8 X 25 STEEL 289A ZINC PLATE FINISH SHAKEPROOF			
1250	22	4	901249813		WASHER, FLAT (PLAIN) 8.4 X 17 X 1.6 STEEL 289A ZINC PLATE FINISH			
1260	22	2	901249839		NUT, HEXAGON FLAT M8 X 6.5 X 13 STEEL 289A ZINC PLATE FINISH			
1270	22	2	901249821		WASHER, SPLIT LOCK 8.1 X 14.8 X 2 STEEL 289A ZINC PLATE FINISH			

\*\*\*\*\* STOCKLIST CONTINUED AT RIGHT \*\*\*\*\*

ED4C686-70

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1280	23	1	847512555		CABLE, INSULATED, GROUNDING 6 AWG			
1290	23	2	803828250	P382825	WASHER, INTERNAL LOCK .250 X .478 X .028 STEEL 289A FINISH			
1300	23	2	901319772		SCREW, HEXAGONAL WASHER HEAD #M6X1.0X16MM TYM6 X 1 X 16MM STEEL GREEN ZINC CHROMATE FINISH QUALITY, TYPE W			
1310	23	1	406511246	KS23836L9	CONNECTOR, CABLE			
1320	23	1	407052323	KS21652L11	COVER, PROTECTIVE 3.39IN LG X 1.90IN HT			
1330	24	1	847512555		CABLE, INSULATED, GROUNDING 6 AWG			
1340	24	2	840026835		SCREW, TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) STEEL ZINC PLATE 289A FINISH			
1350	24	2	803881440	P388144	WASHER, INTERNAL TOOTH LOCK .025 X .216 X .410 STEEL 289A FINISH			
1360	24	1	406511246	KS23836L9	CONNECTOR, CABLE			
1370	24	1	407052323	KS21652L11	COVER, PROTECTIVE 3.39IN LG X 1.90IN HT			
1380	25	1	100393156	145C	PLATE TAG			
1381	25A	1	847755246		PLATE, IDENTIFICATION			
1390	26	1	814575783	P45G578	STRAP GROUNDING STRAP			
1400	26	2	840059059		SCREW, PAN HEAD MACHINE .164-32 X 5/16 STEEL 289A FINISH PAN HEAD SCREW			
1410	26	2	804236339	P423633	WASHER, EXTERNAL TOOTH LOCK .164 STEEL 289A FINISH EXTERNAL TOOTH LOCK			
1420	27	2	840026835		SCREW, TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) STEEL ZINC PLATE 289A FINISH			
1430	27	2	803881440	P388144	WASHER, INTERNAL TOOTH LOCK .025 X .216 X .410 STEEL 289A FINISH			
1440	28	2	840057640		SCREW, HEX WASHER HEAD			
1450	28	2	803828250	P382825	WASHER, INTERNAL LOCK .250 X .478 X .028 STEEL 289A FINISH			
1460	29	1	406338442	WP91412L110	LUG, CRIMP TERMINAL			

\*\*\*\*\* END OF STOCKLIST \*\*\*\*\*

SEE PROPRIETARY NOTICE ON SHEET ONE

BT13

COMMON ESS EQUIPMENT  
GROUNDING HARDWARE AND KITS

DWG SIZE C2 ISSUE 4

LUCENT TECHNOLOGIES INC ED4C686-70

SHEET OF D2 15