

TABLE A - FEATURES										TABLE A - FEATURES (CONT.)											
LINE	DESCRIPTION	RATING	LIST	QTY	CIRCUIT	FIGURE	WIRING	APPARATUS		LINE	DESCRIPTION	RATING	LIST	QTY	CIRCUIT	FIGURE	WIRING	APPARATUS			
H	1	NFS	1	1	T83191-30	1		Z,X,A,D		16	EQUIPMENT, WIRING, AND ASSEMBLY IN ADDITION TO LISTS 1, 2, 3, OR 4 TO PROVIDE 380 MM (15 IN) HIGH FILTER FUSE PANEL CONTAINING 24 LOAD POSITIONS, FOR USE WITH TPA 50 AMP FUSES ONLY, CAPACITORS, AND ASSOCIATED DETAILS EQUALLY SPLIT ON TWO SEPARATE BUSES (1 A BUS AND 1 B BUS). (SEE NOTES 54,85 AND 86)	NFS	16	1	T83191-30	2					
G	2	NFS	2	1	T83191-30	1		Y,X,A,D		20	EQUIPMENT, WIRING, AND ASSEMBLY TO PROVIDE CABLE-RACK MOUNTED 380 MM (15 IN) HIGH FILTER FUSE PANEL CONTAINING 48 LOAD POSITIONS, CAPACITORS, AND ASSOCIATED DETAILS EQUALLY SPLIT ON TWO SEPARATE BUSES (1 A BUS AND 1 B BUS). DESIGNED FOR USE IN SMALL SWITCH APPLICATIONS (SEDF). (SEE NOTES 76-78)	NFS	20	1	T83191-30	2		E	E		
G	3	NFS	3	1	T83191-30	1		Z,X,A,D		21	EQUIPMENT, WIRING, AND ASSEMBLY ALWAYS REQUIRED IN ADDITION TO LIST 20 TO PROVIDE ONE CABLE-RACK MOUNTED ALARM PANEL FOR SMALL SWITCH APPLICATIONS (SEDF). (SEE NOTES 76-78)	NFS	21	1	T83191-30	1		F	F		
F	4	NFS	4	1	T83191-30	1		Y,X,A,D		30	OPTION IN ADDITION TO LIST 1 TO OMIT DOORS. (SEE NOTE 62)	NFS	A								
F										31	OPTION IN ADDITION TO LIST 2 TO OMIT DOORS. (SEE NOTE 62)	NFS	B								
F										32	OPTIONAL EQUIPMENT AND ASSEMBLY IN ADDITION TO LIST 2 AND UP TO FOUR LIST 10 PANELS TO PROVIDE INPUT BUS BAR ARRANGEMENT FOR 1 COMBINED A/B BUS. ACCEPTS ERICSSON-STYLE INPUT CONNECTORS. (SEE NOTES 64,65,71) **** THIS LIST HAS BEEN REPLACED BY LIST P.	DA	C	1	T83191-30	4					
F										33	OPTIONAL EQUIPMENT AND ASSEMBLY IN ADDITION TO LIST 2 AND UP TO FOUR LIST 10 PANELS TO PROVIDE INPUT BUS BAR ARRANGEMENT FOR 1 A BUS AND 1 B BUS. ACCEPTS ERICSSON-STYLE INPUT CONNECTORS. (SEE NOTES 64,65,71) **** THIS LIST HAS BEEN REPLACED BY LIST P.	DA	D	1	T83191-30	5					
E	10	NFS	10	1	T83191-30	2															
E	11	NFS	11	1	T83191-30	2,3															
D	12	NFS	12	1	T83191-30	9															
D	13	NFS	13																		
D	14	NFS	14	1	T83191-30	11		V													
C	15	NFS	15	1	T83191-30	11															
B	1																				
A	5																				

INITIAL RELEASE
PDI 94ESDJ0555
DIW --- KOS 5-27-94 1
RN

RESTRUCTURED LISTS C,D,E,F, G. ADDED LISTS H,J,M,K3,K4. STOCKLIST: CHGD ITEMS 39,40,157,159. ADDED ITEMS 52,139,161,163,182,203. CHGD & ADDED ITEMS 172-241 DUE TO RESTRUCTURED AND NEW LISTS. A-SHTS: CHGD NOTES 15,18,20, 21,54,58,62,63,64,65. ADDED NOTES 70,71. CHGD LINES 3,4 OF TABLE 2, LINES 1,2,3,4,10,11,12,13, 70,71 OF TABLE A, LINES 4,5 OF TABLE D. DELETED LINES 5-12 OF TABLE W. RENUMBERED LINES 5-9 TO 51-55 IN TABLE V, LINES 13-18 TO 51-56 IN TABLE W. ADDED LINES 11,12 TO TABLE T, 6 TO TABLE 2. COMBINED TABLE X WITH TABLE Y. B/C-SHTS: UPDATED TO MATCH ABOVE CHGS. CHGD REF DIM (DEPTH) ON FIG 1. CORRECTED DIMS ON FIG 6. DIST'N CODE WAS BM99. PDI 94ESDJ0706 CL: B
DIW --- KOS 7-5-94 2
RN

A SHEETS:
CHANGED TABLE A LINE 35 FROM 'ORDER ONE' TO 'ORDER TWO.' ADDED WIRING OPTION A TO TABLE A LINES 1,2,3,4. TABLE T LINE 11 WAS 901276972. ADDED LINE 8 TO TABLE D. ADDED 'NOTE' FIELD TO TABLE Y. CHGD NOTES 23, 28,55,63. ADDED NOTES 10,72, 73. ADDED TABLE X. B AND C SHEETS: SH B1,B2,C1,C5- ADDED LIST 12, SH. B3- MOVED LABEL LOCATION. SH. C3- CHGD INFO STAMPED ON ITEM 55. SH. C5- ADDED ITEM 203. SH. C1,C5- RELOCATED LABEL (ITEM 93). ALL SHEETS: UPDATED FIGURES TO REFLECT STOCKLIST CHANGES. ADDED SH. F3, G1. STOCKLIST: ADDED LINES 103,177,183,194. LINE 108 QTY WAS 21. LINED OUT LINES 79,110,172,173, 178,181,195,201,206. COMCODE ON LINES 11,196,222,228 WAS 901276972. INCORPORATED POINT ISSUE 2.1 (PDI 94ESDJ0778). PDI 94ESDJ1230 CL: ME

SCF RN KOS 11-11-94 3
GME

A SHTS: ADD LIST P. RATED LISTS C,D,E,F AS IA. CHG NOTES 7,18,19,60,64. ADD NOTES 31-34,74-75. ADD TABLE A1,A2,R,S,Z LINES 7-10. REMOVE TABLE T. D SHTS: ADD ITEMS 85,101, 104,176,186,209,210. LINE OUT ITEMS 52,99,177,187, 214,215. CHG ITEMS 67,83, 108,109,139,194,203. ADD LIST P TO VARIOUS ITEMS. FIGURES: CHG SHTS B3, B5D LUG MOUNTING, FIG 6. PDI 95ESDJ0873 CL: ME
SCF KOS 10-27-95 4
GME

POWER SYSTEMS
"SESS" GLOBAL POWER DISTRIBUTION FRAME (GPDF)
-48VDC

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USED ON DRAWING
SCALE: B
DISTN CODE: AM99

MATRIX EBOM VERSION
Assy Misc J86334E1 15
SHEET 29 OF 15
ISSUE 15
DWG B
SIZE

LUCENT TECHNOLOGIES DJ J86334E-1

SHEET INDEX						
ISSUE	15	15	15	15	15	15
SH NO	A1	A2	A3	A4	A5	A6
ISSUE	15	15	15	5	6	10
SH NO	B1	B2	B3	B4	B5	B6
ISSUE	11	15	9	6	6	15
SH NO	B7	C1	C2	C3	C4	C5
ISSUE	9	6	7	6	15	15
SH NO	C6	C7	C8	C9	C10	D1
ISSUE	15	4	6	4	4	
SH NO	D2	E1	F2	F3	G1	

LINE	CIRCUIT NAME	SCHEMATIC	WRG DIAGRAM	FIGURE	OPT WIRING	WIRED	REMARKS
1	DIST CRT	SD83191-01	T83191-30				
WIRING PROVIDED BY THE SHOP							
TABLE C - WIRING PROVIDED INFORMATION							
CA	CB	CC	CD	CE	CF	CG	
5	PACKING SPEC- INTERNATIONAL	=PS 30131					
4	PACKING SPEC-DOMESTIC/CLASSIC	=PS 30082	9	POWER DIST PANEL			=ED82947-31
3	MFG TEST PLAN	=IMI-J86334E	8	PACKING SPEC-DOMESTIC/GLOBAL			=PS 30107
2	MFG LAYOUT RECORD	=MLRJ86334E-1	7	SESS GLOBAL FRAMEWORK			=ED5D785-70
1	POWER DIST PANEL	=ED83133-30	6	SESS CLASSIC FRAMEWORK			=ED5D184-74
LINE	NAME	NUMBER	LINE	NAME	NUMBER		
= DENOTES NOT REQUIRED BY INSTALLER							
TABLE D - LIST OF ASSOCIATED DRAWINGS							
DA	DB	DC	DD	DE	DF	DG	DH

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TABLE A - FEATURES (CONT.)									
LINE	DESCRIPTION	AB	AC	AD	AE	AF	AG	AH	SHOP INSTL
		RATING	LIST	QTY	CIRCUIT	FIGURE	WIRING	APPARATUS	
H	34	DA	E	1	T83191-30	6			X
	35	DA	F	1	T83191-30	4,5,6		W	X
G	36	NFS	G	1	T83191-30	4,5,6		G	X
	37	NFS	H	1	T83191-30	4,5,6		H	X
	38	NFS	J	1	T83191-30	4,5,6		J	X
	39	NFS	M	1	T83191-30	4,5,6		M	X
F	40	NFS	P	1	T83191-30	7			X
	41	NFS	Q	1	T-83191-30	11			X
	42	NFS	R	1	T-83191-30	11			X
	43	NFS	S	1	T-83191-30	11			X
E	50	NFS	BE	1	T-83191-30	1		R	X
	70	NFS	K1						X
	71	NFS	K2						X
D	72	NFS	K3						X
	73	NFS	K4						X
	74	NFS	K5						X

MANUFACTURING NOTES

- DIMENSIONS ARE SHOWN IN MM [INCHES] OR MM/INCHES.
- () - INDICATES THAT TEXT OR OTHER INFORMATION SHOWN ON PRODUCT IS TO BE STAMPED IN ACCORDANCE WITH JOB INFORMATION.
- [] - INDICATES THAT TEXT OR OTHER INFORMATION SHOWN ON PRODUCT IS SHOWN FOR REFERENCE ONLY AND IS NOT TO BE STAMPED.
- < > - INDICATES THAT TEXT OR OTHER INFORMATION SHOWN ON PRODUCT IS PROVIDED IN ACCORDANCE WITH OTHER INFORMATION.
- PARTS THAT ARE TO BE SHIPPED ATTACHED TO OR ENCLOSED IN THE SAME CONTAINER WITH THE ASSOCIATED ASSEMBLED ITEM.
- PARTS THAT ARE (A) REQUIRED FOR MANUFACTURE WHEN EQUIPMENT IS SHOP-MOUNTED, OR (B) TO BE SHIPPED ATTACHED TO OR ENCLOSED IN THE SAME CONTAINER WITH THE ASSOCIATED ASSEMBLED ITEM WHEN FIELD-MOUNTED.

MANUFACTURING NOTES (CONT'D)

- RESERVED FOR FUTURE USE
- "S" ITEMS ARE NOT ASSEMBLED, THEY ARE SHIPPED SEPARATELY.
- (RESERVED FOR FUTURE USE)
- SEE TABLE X FOR APPROVED COMPONENT EQUIVALENTS.
- FRAME SHOULD BE ASSEMBLED BEGINNING AT THE BOTTOM (POSITION 4).
- CABLE TIE QUANTITY IS APPROXIMATE. EXACT QUANTITY REQUIRED DEPENDS ON FRAME CONSIDERATIONS.
- UNUSED LABELS 846957686 (ITEM 98) SHALL BE SHIPPED WITH THE FRAME. LOCATE LABELS FROM LABEL SET ON EACH LIST 10, 11, OR 12 PANEL APPROXIMATELY AS SHOWN IN FIGURE A OR C. "PANEL (NO.)" LABEL SHALL CORRESPOND TO PANEL POSITION AS SHOWN IN FIGURE 1 OR 2.
- SEE NOTE 57.
- WHEN LIST 3 OR 4 IS ORDERED, SEVERAL LABELS WILL BE SHIPPED LOOSE WITH THE FRAME: FOUR EACH OF 847309234 (ITEM 19), 847389160 (ITEM 20), AND 847309242 (ITEM 21). THE LABEL LOCATED ON EACH LIST 10 OR 11 FUSE PANEL WHICH REFER TO A 5ESS RECOVERY PRACTICE SHOULD BE REMOVED AND REPLACED WITH THE ABOVE LABELS. (SEE FIGURE 4)
- SEE NOTE 60.
- SEE NOTE 63.
- "POWER BAY" LABEL 847254067 (ITEM 100) IS SHIPPED LOOSE WITH LISTS 1,2,3,4. THE INSTALLER SHOULD MOUNT THIS LABEL ON THE OUTSIDE OF THE FRONT AND REAR CABINET DOORS. SEE FIGURES 5 AND 8 FOR LABEL LOCATION. TWO "FUSE ASSIGNMENT" LABELS 841765928 ARE SHIPPED LOOSE WITH EACH FUSE PANEL. THE INSTALLER SHOULD FILL OUT AND THEN MOUNT THESE LABELS AS SHOWN IN FIGURE 3.
- LOAD AND FILTER FUSES FOR LIST 10 AND 11 FUSE PANELS MAY BE REMOVED FROM FUSE HOLDERS BY PRYING THEM OUT WITH A SCREWDRIVER. THIS IS THE METHOD RECOMMENDED BY THE MANUFACTURER. BECAUSE THE "FA" FUSES ARE DIFFICULT TO REACH WHEN THE SYSTEM IS IN OPERATION, A FUSE-PULLING TOOL IS PROVIDED WITH EACH FRAME WHICH MAY BE USED FOR THOSE FUSES.
- NAMEPLATE LABEL 847230505 (ITEM 96) SHOULD BE PRINTED AS FOLLOWS: (NOTE: THE UL SYMBOL SHOULD APPEAR ONLY ON FRAMES THAT ARE MANUFACTURED AT LUCENT TECHNOLOGIES-DALLAS WORKS.)
 SERIAL NO. XXXXXXX
 J86334E-1 L-X
 GLOBAL POWER DISTRIBUTION FRAME DATE: XXXXXX
 SECONDARY DISTRIBUTION BAY SD: 83191-01
 60VDC MAX; CURRENT RATINGS MARKED ON EACH PANEL ARE LIMITED BY PROTECTOR FEEDING THE PANEL SHORT CIRCUIT RATING: 5000A UL (77X8)
- WHEN FRAME IS EQUIPPED WITH LIST 11, 12, C, D, E, OR P, UL SYMBOL SHOULD NOT APPEAR ON LABEL. WHEN FRAME IS EQUIPPED WITH LISTS C, D, E, OR P, LABEL SHALL INDICATE MAXIMUM INPUT CURRENT ACCORDING TO NOTE 71.
- ON LISTS 2 AND 4: THE CONNECTOR (PART OF WIRESET 847275377, ITEM 66 OR 847275369, ITEM 154) THAT WILL BE PLUGGED ONTO THE 406B LED CIRCUIT MODULE IN THE FIELD (PART OF FRONT INDICATOR STRIP KIT, 847306669, ITEM 39) SHOULD BE SECURED WITH CABLE TIES SO THAT IT IS NOT DAMAGED DURING SHIPPING. ANY UNUSED WIRES FROM WIRESET 847275385 (ITEM 65) SHOULD ALSO BE SECURED WITH CABLE TIES.
- TWO SIZES OF MOUNTING SCREWS ARE SUPPLIED WITH LIST 10, 11, AND 12 FUSE PANELS. FOR LIST 1 AND 3 FRAMES, 901078717 SCREWS (12-24X5/8") SHOULD BE USED TO MOUNT EQUIPMENT PANELS. FOR LIST 2 AND 4 FRAMES, 901271301 SCREWS (M6X16) SHOULD BE USED TO MOUNT EQUIPMENT PANELS. UNUSED SCREWS SHOULD BE DISCARDED.

MANUFACTURING NOTES (CONT'D)

- SPARE FUSE HOLDERS 407140359 (ITEM 79) SHOULD BE MOUNTED ON THE PANEL IN POSITION 1 ONLY. IF POSITION 1 IS A BLANK PANEL, THE SPARE FUSE HOLDERS SHOULD BE PLACED ON THE FUSE PANEL CLOSEST TO THE TOP. ****AS OF ISSUE 3, THE SPARE FUSE HOLDERS ARE MOVED TO THE ED83133-30 DRAWING AND ARE MOUNTED ON EACH FUSE PANEL.****
- FIELD-INSTALLED CABLING THAT RUBS AGAINST ANY CABINET OR OTHER EDGES SHOULD BE PROTECTED WITH APPROVED INSULATION SUCH AS GRAY FIBER INSULATION.
- STAMP OR LABEL BACKPLANE ASSY 843779406 (ITEM 55) AS SHOWN IN FIGURE C. ORIENT 127C APPARATUS MOUNTING 103342119 (ITEM 56) AS SHOWN.
- REMOVE PROTECTIVE COVERING FROM SHIELD 847362241 (ITEM 12) OR 847320900 (ITEM 37) BEFORE APPLYING WARNING LABEL 847311784 (ITEM 95) OR 847150059 (ITEM 173).
- ORIENT TERMINAL LUGS 997637111 (ITEM 82) AS SHOWN IN FIGS. A, B, E, AND F TO PERMIT DOORS TO CLOSE PROPERLY.
- LOCATE ALL LABELS APPROXIMATELY AS SHOWN, UNLESS OTHERWISE SPECIFIED. WHERE LOCATING DIMENSIONS ARE GIVEN, TOLERANCE IS +/-3 [+/-1].
- WHEN GPDF IS EQUIPPED WITH LISTS C, D, E, F, OR G, REMOVE WARNING LABEL 847311784 (ITEM 95) AND APPLY WARNING LABEL 847150059 (ITEM 173). ****AS OF ISSUE 3 OF THE 847311784 DRAWING, THIS LABEL CAN BE USED ON EITHER DOMESTIC OR INTERNATIONAL FRAMES. THEREFORE, THIS NOTE IS NO LONGER APPLICABLE.****
- 3 AMP FUSES 406747535 (ITEM 69) SHOULD BE PLACED IN FUSE HOLDERS FA1 AND FA2 ON THE PANEL WHICH IS USED TO SUPPLY POWER TO THE 994A ALARM CIRCUIT PACK (PANEL 1 FOR TOP-FEED APPLICATIONS, OR PANEL 4 WHEN LIST BE IS ORDERED FOR BOTTOM-FEED APPLICATIONS).
- WIRESSET 847275385 (ITEM 65) CAN REST AGAINST UNGROMMETED EDGES SINCE THE WIRES HAVE ADDITIONAL INSULATION. WIRESSET 847275377 (ITEM 66) OR 847275369 (ITEM 154) SHOULD BE DRESSED WITH WIRESSET 847275385 SUCH THAT IT IS PROTECTED FROM THE UNGROMMETED EDGES.
- IN CASES WHERE THE GLOBAL PHASE II CABINET (LIST 2 OR 4) IS USED WITH A GLOBAL PHASE I CABLE RACK (COLORED BLUE), THE GROUND LUG MAY INTERFERE WITH THE CABLE RACK. THE LUG MAY EITHER BE RELOCATED TO THE INSIDE REAR LEFT OF THE FRAME, OR IT MAY BE REPLACED WITH THE FLAT LUG WHICH IS SHIPPED LOOSE WITH THE BAY.
- WHEN UNPLATED BUS BARS ARE USED (AS MAY BE THE CASE FOR SYSTEMS BUILT OUTSIDE THE U.S.), NO-OX OR PROTECTION WAX (SUCH AS 901280255 RUTHINIUM PASTE) MUST BE SPREAD BETWEEN THE COMPONENTS IN ELECTRICAL CONNECTIONS. FOR EXAMPLE, IT MUST BE SPREAD BETWEEN THE BUS BARS IN A BUS-TO-BUS CONNECTION.
- TABLE S SHOWS PARTS THAT MAY BE SUBSTITUTED FOR PARTS ON THE STOCKLIST WHEN THE GPDF IS BUILT OUTSIDE THE U.S.
- EXTERNAL TOOTH WASHER 804236362 SHOULD BE LOCATED ON THE 2ND HOLE ON EACH SIDE OF EACH LIST 10, 11, 12, OR 13 PANEL.
- LUCENT TECHNOLOGIES-TELEFONIA MAY POPULATE FUSE POSITIONS AS REQUESTED BY THE CUSTOMER.
- ON THE LIST 10 FUSE PANEL, M5 (LOAD) CONNECTIONS SHOULD BE TORQUED TO 4 N-M (35 IN-LB). M8 (FEEDER) CONNECTIONS SHOULD BE TORQUED TO 14 N-M (125 IN-LBS).

5ESS" GLOBAL POWER DISTRIBUTION FRAME					
COPYRIGHT 2000 LUCENT TECHNOLOGIES ALL RIGHTS RESERVED					
MATRIX EBOM VERSION ASSY MISC J86334E1 15			SHEET	ISSUE	DWG SIZE
LUCENT TECHNOLOGIES	DJ	J86334E-1	A2	15	B

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MANUFACTURING NOTES (CONT'D)

- 38. INSTEAD OF USING ITEM 192 (901318865) ON LIST P, DALLAS WORKS SHOULD USE RUBBER CAPS. THESE CAPS ARE ON THE INVOLT AND RTN BUS BARS WHEN THEY ARE RECEIVED FROM THE SUPPLIER, AND SHOULD SIMPLY BE REUSED BY THE SHOP ON LIST P. SINCE THESE ITEMS ARE LOOSE ON THE SHOP FLOOR, THEY SHOULD NOT BE SHOWN ON THE DALLAS WORKS BILL OF MATERIALS.
- 39. SHIP FUSES IN THE ORIGINAL CONTAINER (10) PER BOX. (DO NOT SHIP LOOSE)

ENGINEERING NOTES

- 51. SEE NOTE 1.
- 52. ENGINEER TO FURNISH LOAD AND ALARM FUSES AS REQUIRED. FUSE INFORMATION IS PROVIDED IN TABLE Y.
- 53. THERE ARE FOUR PANEL POSITIONS IN THE GPDF. NO MORE THAN FOUR FUSE PANELS (LISTS 10,11,12,15,16) CAN BE ORDERED. IF LESS THAN FOUR FUSE PANELS ARE ORDERED, ENOUGH BLANK PANELS (LIST 13) MUST BE ORDERED TO FILL THE EMPTY POSITIONS. THE BLANK PANELS ARE REQUIRED FOR SAFETY REASONS.
- 54. MAXIMUM AMPS PER EACH FUSE PANEL IS AS FOLLOWS:
LIST 10,11,15 OR 16: 960 AMPS (480 AMPS PER BUS)
LIST 12: 320 AMPS (160 PER BUS)
ENGINEER MUST DETERMINE MAXIMUM LOAD CURRENT AND SIZE FEEDER CABLES APPROPRIATELY. MAXIMUM FEEDER CABLE SIZES ARE AS FOLLOWS:
LIST 10,11,15 OR 16: 150 MM2 (350 MCM AWG)
LIST 12: 70 MM2 (2/0 AWG)
MAXIMUM WATTS PER EACH FUSE BLOCK ON THE LIST 10 OR 11 FUSE PANEL IS 8.4 WATTS PER BLOCK.
- 55. IF THE FRAME WILL BE TOP-FED, IT IS SUGGESTED THAT THE FRAME BE EQUIPPED STARTING AT THE TOP (POSITION 1). IF THE FRAME WILL BE BOTTOM-FED, IT IS SUGGESTED THAT THE FRAME BE EQUIPPED STARTING AT THE BOTTOM (POSITION 4). THIS AVOIDS CABLE INTERFERENCE WHEN ADDITIONAL FUSE PANELS ARE FIELD-INSTALLED. FOR BOTTOM-FED APPLICATIONS, LIST BF MUST BE ORDERED TO EQUIP PANELS STARTING WITH POSITION 4 AND TO PROVIDE CORRECT SHOP WIRING. IF IT IS DESIRED FOR THE PANELS TO BE EQUIPPED STARTING WITH POSITION 1 EVEN THOUGH THE FRAME IS GOING TO BE BOTTOM-FED, THEN LIST BF SHOULD NOT BE ORDERED.
- 56. LOAD AND LOAD RETURN CABLES FOR LIST 10 FUSE PANELS SHALL BE NO LARGER THAN 5 MM2 (10 AWG). IN SPECIAL CASES, 6 MM2 (8 AWG) CABLES MAY BE USED; CONSULT A POWER ENGINEER. FOR LIST 12 FUSE PANELS, CABLES SHOULD BE NO LARGER THAN 35 MM2 (2 AWG). LARGER SIZES, WHEN REQUIRED, ARE TO BE GUTTER-TAPPED IN CABLE RACK.
- 57. HARDWARE FOR MOUNTING INVOLT AND RETURN FEEDER CABLES IS SHIPPED WITH EACH FUSE PANEL. THE HARDWARE PROVIDED IS:
FOR LIST 10, 11, 12 OR 15:
(8) 901249839 NUT, M8
(8) 901249813 WASHER, M8
(8) 901249821 LOCKWASHER, M8
M8 SCREWS AND NUTS REQUIRE A 13MM OR 1/2" NUT DRIVER. CABLE LUGS ARE NOT PROVIDED AND SHOULD BE ORDERED ACCORDING TO TABLE W.

ENGINEERING NOTES (CONT'D)

- 58. LIST 11 CONNECTORIZED PANEL IS FOR APPLICATIONS WHERE PLUG-IN DISTRIBUTION LEADS (ED5A079-30) ARE REQUIRED, COMMONLY USED BY 4ESS. LIST 11 PROVIDES A FILTER FUSE PANEL (EQUIVALENT TO LIST 10) EQUIPPED WITH A CONNECTORIZATION ASSEMBLY MOUNTED ON THE REAR OF THE FRAMEWORK. KS21103 L4 RECEPTACLES ARE WIRED TO EACH FUSE OUTPUT AND RETURN POSITION OF THE FILTER FUSE PANEL. ENGINEER SHALL FURNISH ED5DA079-30 POWER DISTRIBUTION CABLES EQUIPPED WITH KS21103 L8 PLUGS.
- 59. SEE NOTE 22.
- 60. FOUR COPIES OF WARNING LABEL 846594497 (ITEM 99) OR 847485760 (ITEM 101) ARE PROVIDED WITH EACH GPDF. THIS LABEL PROVIDES PROPER RESTORATION PROCEDURES AND SHOULD BE LOCATED ON THE PANELS WHICH FEED THE GPDF (I.E., IN THE POWER ROOM).
- 61. POSITION LABELS FOR 'GPDF 00' THROUGH 'GPDF 05' ARE PROVIDED WITH EACH GPDF. FOR POSITION LABELS GREATER THAN 'GPDF 05', A SET OF LABELS CONTAINING 'GPDF 06' THROUGH 'GPDF 11' CAN BE ORDERED SEPARATELY. ORDER 847311768 FOR LIST 1 AND 3 CABINETS AND 847311776 FOR LIST 2 AND 4 CABINETS.
- 62. CABINET DOORS ARE INCLUDED IN LISTS 1, 2, 3, 4. WHEN LIST A OR B IS ORDERED, NO DOORS WILL BE PROVIDED FOR LIST 1 OR 2, RESPECTIVELY. THIS IS TYPICALLY USED FOR CERTAIN INTERNATIONAL ORDERS WHERE THE DOORS ARE PURCHASED OVERSEAS. THIS MAY ALSO BE USED FOR AN EMC OFFICE, WHERE EMC DOORS ARE ORDERED TOGETHER FOR ALL OF THE EQUIPMENT. EMC DOORS MAY ALSO BE ORDERED INDIVIDUALLY AS SHOWN ON TABLE Z, LINE 7 FOR LIST 2 (GLOBAL) CABINETS ONLY.
- 63. LIST K1 HARDWARE KIT PROVIDES A SET OF FASTENERS AND LUGS FOR 5 MM2 (10 AWG) LOAD CABLES AS FOLLOWS:
(144) SCREWS, M5 SEMS-TYPE
(48) LOAD TERMINALS, T&B C36U
(48) RETURN TERMINALS, WP91412 L73
LIST K2 HARDWARE KIT PROVIDES A SET OF FASTENERS AND LUGS FOR 6 MM2 (8 AWG) LOAD CABLES AS FOLLOWS:
(144) SCREWS, M5 SEMS-TYPE
(48) LOAD TERMINALS, T&B 54104UB
(48) RETURN TERMINALS, WP91412 L52
M5 SCREWS REQUIRE SLOTTED SCREWDRIVER, OR 8MM OR 5/16" NUT DRIVER. CONSULT POWER ENGINEER BEFORE USING KIT K2. LIST K3 AND K4 HARDWARE KITS PROVIDE A SET OF FASTENERS AND LUGS FOR FOUR FUSE POSITIONS. K3 IS FOR 5 MM2 (10 AWG) CABLE AND K4 IS FOR 6 MM2 (8 AWG) CABLE. THIS MAY BE USEFUL FOR GROWTH APPLICATIONS.
LIST K5 HARDWARE KIT PROVIDES A SET OF FASTENERS AND LUGS FOR 6 MM2 (8 AWG) LOAD CABLES AS FOLLOWS:
(72) SCREWS, M5 SEMS-TYPE
(24) LOAD TERMINALS, T&B 54104UB
(24) RETURN TERMINALS, WP91412 L52
LIST K1 AND K2 KITS MAY CONTAIN UP TO THREE EXTRA OF EACH ITEM.
- 64. LISTS C, D, E, AND F ARE FOR INTERNATIONAL APPLICATIONS. LISTS C, D, AND E ACCEPT ERICSSON-STYLE INPUT CONNECTORS. LIST F PROVIDES AN ADAPTER BUS BAR FOR TERMINATING CONCENTRIC CABLE INPUT FEEDERS. LISTS G, H, J, AND M SHOULD BE ORDERED ACCORDING TO THE NUMBER OF FUSE PANELS THAT THE FRAME WILL BE EQUIPPED WITH. LISTS G, H, J, OR M SHOULD ALSO BE ORDERED WHEN A FUSE PANEL IS FIELD-MOUNTED IN A FRAME EQUIPPED WITH LISTS C, D, OR E. LISTS C, D, AND E ARE NOT COMPATIBLE WITH BOTTOM-FEED APPLICATIONS. LISTS G,H,J,M ARE ONLY NEEDED WHEN THE FRAME IS EQUIPPED LISTS C, D, OR E.
AS OF ISSUE 4, LISTS C, D, E, AND F ARE REPLACED BY LIST P AND KITS FROM TABLE R. LIST P ACCEPTS ERICSSON-STYLE CONNECTORS, OR MAY BE COMBINED WITH TABLE R, LINE 2 FOR TERMINATING CONCENTRIC CABLE INPUT FEEDERS. LISTS G, H, J, AND M SHOULD BE USED WITH LIST P.

ENGINEERING NOTES (CONT'D)

- 65. WHEN LISTS 11, 12, C, D, E, OR P ARE ORDERED, THE GPDF WILL NOT BE UL LISTED.
- 66. ENDCOVERS LISTED IN TABLE Z MAY BE USED WHEN THE GPDF WILL BE LOCATED BY ITSELF OR ADJACENT TO CABINETS THAT ARE NOT 5ESS STYLE. THESE ENDCOVERS ARE DIFFERENT FROM STANDARD ENDCOVERS BECAUSE THEY ARE SLIM AND THEY DO NOT HAVE ANY PROVISIONS FOR AC.
- 67. ED83133-30 FUSE PANELS SHOULD NOT BE MOUNTED IN A J86334D-1 FRAME (PCFD). FOR APPLICATIONS WHERE A J86334D-1 FRAME NEEDS TO BE "GROWN" IN THE FIELD, FUSE PANELS SHOULD BE ORDERED FROM THE ED83024-30 DRAWING.
- 68. LABEL SET 846957686 (ITEM 98) CONSISTS OF LABELS THAT SAY 'PANEL 1', 'BUS A', ETC. THIS LABEL SET IS NORMALLY SHIPPED WITH THE FRAME (SEE FIGURES A AND C AND NOTE 13). IF A FUSE PANEL IS ORDERED NON-X FOR FIELD INSTALLATION AND THE LABEL SET THAT WAS ORIGINALLY SENT WITH THE FRAME HAS BEEN MISPLACED, A NEW LABEL SET CAN BE ORDERED ACCORDING TO TABLE Z.
- 69. LUGS FOR L12 LOAD CONNECTIONS MUST BE ORDERED ACCORDING TO TABLE V. FASTENERS FOR LOAD CONNECTIONS ARE PROVIDED WITH EACH L12 AS FOLLOWS:
(16) 901276998 NUT, M6 SEMS-TYPE
(16) 802207563 NUT, .25-20
(16) 801829557 LOCKWASHER, .25
- 70. LIST 12 FUSE PANEL PROVIDES EIGHT 50-AMP FUSE POSITIONS. THIS PANEL IS COMMONLY USED IN 4ESS APPLICATIONS.
- 71. THE MAXIMUM INPUT CURRENT FOR THE ENTIRE GPDF PLANT WHEN EQUIPPED WITH LISTS C, D, OR E IS AS FOLLOWS:
1 A/B BUS (LIST C): 630 AMPS TOTAL
1 A + 1 B BUS (LIST D): 1260 AMPS TOTAL
2 A + 2 B BUSES (LIST E): 2520 AMPS TOTAL
THE MAXIMUM INPUT CURRENT FOR THE ENTIRE GPDF WHEN EQUIPPED WITH LIST P DEPENDS ON THE TOTAL NUMBER OF BUSES THAT THE FRAME HAS AFTER IT IS FIELD-EQUIPPED WITH KITS FROM TABLE R. DETERMINE THE A AND B BUS BAR ARRANGEMENT, THEN SEE THE ABOVE LIST FOR THE TOTAL CURRENT.

ENGINEERING NOTES (CONT'D)

- 72. ORDERING EXAMPLES
AN ORDER FOR A GLOBAL-STYLE BAY STANDARD CONFIGURATION, CONTAINING (1) GLOBAL FRAMEWORK (J86334E-1 LIST 2) E/W
(1) LIST 15 FUSE PANEL IN POSITION 1
(3) LIST 13 BLANK PANELS
(1) LIST B
ITEM QTY DESCRIPTION
1 1 108491135 GLOBLA STYLE GPDF
AN ORDER FOR A GLOBAL-STYLE BAY FOR INTERNATIONAL USE CONTAINING 2 FUSE PANELS CONFIGURED AS ONE A BUS AND ONE B BUS, AND FOR USE WITH ERICSSON-STYLE INPUT CONNECTORS, MAY BE AS FOLLOWS:
ITEM QTY DESCRIPTION
1 1 J86334E-1 LIST 2
E/W
2 LIST 10 FUSE PANELS IN POSITIONS 1 AND 2
2 LIST 13 BLANK PANELS
1 LIST P BUS BAR ARRANGEMENT
1 LIST G CABLING TO PANEL 1
1 LIST H CABLING TO PANEL 2
2 LIST K2 HARDWARE KITS FOR 6 MM2 CABLES
2 100 407132257 WP92955 LIST 8 FUSES
- 73. THE WP92955 L8 FUSE CAN BE ORDERED AS COMCODE 407310374 TO PROVIDE A BULK QUANTITY OF 10 FUSES PER PACKAGE.
- 74. TABLE A1 CONTAINS THE J86334E-1 LISTS IN GPI FORMAT. A J86334E-1 MAY BE ORDERED ACCORDING TO THESE LIST NUMBERS IN NSI MARKETS, OR ACCORDING TO THE LIST NUMBERS SHOWN IN TABLE A. (SOME LISTS IN TABLE A ALREADY FIT GPI FORMAT- FOR EXAMPLE, LISTS 20 AND 21- AND SO THEY ARE NOT SHOWN AGAIN ON TABLE A1.) TABLE A2 LISTS THE MARKETABLE ITEMS, FUNCTIONAL ITEMS, AND OBJECTS (COMPONENTS OF GPI SYSTEM).
- 75. WHEN A LIST 10 OR 11 PANEL IS ADDED TO A J86334E-1 FRAME THAT WAS BUILT BEFORE MARCH 1995, AN EXTENSION WIRESET MUST BE ORDERED FROM TABLE Z. DUE TO A DESIGN CHANGE, THIS WIRESET IS NEEDED TO ALLOW THE FRAME ALARM WIRE HARNESS TO CONNECT TO THE GROWTH PANEL. ORDER ONE WIRESET FOR EACH GROWTH PANEL. THERE IS NO CHARGE FOR THIS WIRESET.
- 76. LISTS 20 AND 21 ARE DESIGNED FOR "SPDF" APPLICATIONS (SMALL POWER DISTRIBUTION FRAME) WHERE THE EQUIPMENT IS MOUNTED IN THE CABLE RACK. LISTS 20 AND 21 ARE ONLY BUILT AT LUCENT TECHNOLOGIES-TELEA AND MUST BE ORDERED THROUGH LUCENT TECHNOLOGIES-NSI.
- 77. LISTS 20 AND 21 MUST BE PLACED AT THE END OF A CABINET LINE-UP.
- 78. CABLE RACKS AND ASSOCIATED INSTALLATION KITS TO MOUNT LISTS 20 AND 21 MUST BE ORDERED FROM ED5D779-70.
- 79. ENGINEER SHALL INSTRUCT INSTALLER TO STAMP BUS FEEDER INFORMATION BOTH ON EACH FUSE PANEL AND ON POWER PLANT FEEDER, ON LABELS 841765928 IF PROVIDED. THE SAME DESIGNATIONS SHOULD BE USED, FOR EXAMPLE: GPDF01, LOAD-A1.
- 80. REFER TO TABLE A FOR APPLICABLE CIRCUIT, FIGURE AND APPARATUS INFORMATION REFER TO STOCKLIST (SHEET D1) FOR A DETAILED LISTING OF COMPONENTS.
- 81. STANDARD CONFIGURATIONS DO NOT CONTAIN DOOR ASSEMBLES, THE DOOR ASSEMBLIES MUST BE ORDER SEPARATELY PER ED5D785 DRAWING.

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ASSY MISC J86334E1 15			A3	15	SIZE
LUCENT TECHNOLOGIES	DJ	J86334E-1	A3	15	B

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ENGINEERING NOTES (CONT'D)

- 82. 407132257, WP92955 LIST 8 (25AMP) FUSES QTY (50) WILL BE SUPPLIED BY MANUFACTURING, FOR EVERY LIST 10 AND 15 ORDERED.
- 83. LIST K1 OR K2 IS REQUIRED WHEN ORDERING LIST 10 PANELS TO PROVIDE LOAD INVOLT, RETURN CONNECTORS AND HARDWARE (SEE NOTE 63).
- 84. J86334E1: IS NO LONGER "FOR SALE" AS A OPTION PRODUCT. PLEASE REFER TO TABLE A3, SHEET A4 FOR A LIST OF STANDARD COMCODED BAYS.
- 85. 407006394, (50 AMP) FUSES QTY (30) WILL BE SUPPLIED BY MANUFACTURING, FOR EVERY LIST 16 ORDERED.

TABLE X - APPROVED EQUIVALENTS					
ITEM	XA REF DESIG	XB DESCRIPTION	KC COMCODE	XD NOTE	XE SYM NOTE
1	S/L ITEM 52	GROMMET CSG09	402170302		10

TABLE A1: GPI LISTS STRUCTURE (SEE NOTE 74)				
LINE	GPI LIST	COMCODE	DESCRIPTION	STD LIST (REF)
1	500	601781610	CLASSIC FRAME FOR 5ESS	P/O 1
2	501	N/A	CLASSIC FRAME FOR 4ESS	P/O 2
3	502	601781628	GLOBAL FRAME FOR 4ESS OR 5ESS	P/O 3,4
4	520	845622976	CLASSIC DOORS FOR 4ESS OR 5ESS	P/O 1,2
5	521	847265741	GLOBAL DOORS FOR 5ESS	P/O 3
6	522	847336625	GLOBAL DOORS FOR 4ESS	P/O 4
7	551	601781636	48-POSITION FUSE PANEL	10
8	552	N/A	CONNECTORIZED 48-POSITION FUSE PANEL	11
9	553	N/A	8-POSITION HIGH-CURRENT FUSE PANEL	12
10	554	601781644	ADDITIONAL BUS BARS TO PROVIDE 1 A/B BUS	C
11	555	601781651	ADDITIONAL BUS BARS TO PROVIDE 1 A+ 1 B BUS	D
12	556	601781669	ADDITIONAL BUS BARS TO PROVIDE 2A + 2B BUSES	E
13	557	601781677	ADAPTER BUS FOR CONCENTRIC CABLES	F
14	558	601781685	CABLES FOR USE WITH 53, 54, 55 FOR PANEL IN POS. 1	G
15	559	601781693	CABLES FOR USE WITH 53, 54, 55 FOR PANEL IN POS. 2	H
16	560	601781701	CABLES FOR USE WITH 53, 54, 55 FOR PANEL IN POS. 3	J
17	561	601781719	CABLES FOR USE WITH 53, 54, 55 FOR PANEL IN POS. 4	M
18	562	601793730	ADDITIONAL BUS BARS (REPLACES LISTS 554-557)	P
19	563	847587599	ERICSSON CLAMP KIT (TABLE R, LINE 1)	N/A
20	564	107427809	CONCENTRIC CABLE KIT (TABLE R, LINE 2)	N/A
21	565	847587607	CABLE PROTECTION KIT (TABLE R, LINE 3)	N/A
22	566	847587615	MESH EARTHING KIT (TABLE R, LINE 4)	N/A
23	567	107394983	TOP FED CAP KIT (TABLE R, LINE 5)	N/A
50	A1	601781727	FACTORY WIRING FOR TOP FEED APPLICATIONS	1,2, 3,4
51	A2	601781735	FACTORY WIRING FOR BOTTOM FEED APPLICATIONS	BF
52	B1	601781743	BLANK PANEL	13
53	F1	847320934	HARDWARE KIT FOR 48 POS, 5MM2/10AWG	K1
54	F2	847348646	HARDWARE KIT FOR 48 POS, 6MM2/8AWG	K2
55	F3	847381860	HARDWARE KIT FOR 1 POS, 5MM2/10AWG	K3
56	F4	847381878	HARDWARE KIT FOR 1 POS, 6MM2/8AWG	K4
57	F5	407310374	TEN WP92955 LIST 8 FUSES (25 AMPS)	N/A

TABLE A2: GPI MAPPING (SEE NOTE 74)				
LINE	MARKETABLE ITEMS	FUNCTIONAL ITEMS	OBJECT	GPI LIST
1		FCABCLAS5	OCABCLAS5	500
2		FCABCLAS4	OCABCLAS4	501
3	MCABINET	FCABGLOB	OCABGLOB	502
4		FFEDTOP	OFEDTOP	A1
5		FFEDBOT	OFEDBOT	A2
6		FPNLBINK	OPNLBINK	B1
12		FDOORCLAS	ODOORCLAS	520
13	MDOOR	FDOORLOB5	ODOORLOB5	521
14		FDOORLOB4	ODOORLOB4	522
20	MFUSPNL	FFUSPNLSTD	OFUSPNLSTD	551
21		FFUSPNLHI	OFUSPNLHI	553
30	MFUSPNLCON	FFUSPNLCON	OFUSPNLCON	552
35		FBUS1	OBUS1	554
36		FBUS2	OBUS2	555
37		FBUS4	OBUS4	556
38		FBUSADAPT	OBUSADAPT	557
39	MBUSEXT	FCABLE1	OCABLE1	558
40		FCABLE2	OCABLE2	559
41		FCABLE3	OCABLE3	560
42		FCABLE4	OCABLE4	561
43		FBUS	OBUS	562
50	MKIT48	FKIT48 10	OKIT48 10	F1
51		FKIT48 8	OKIT48 8	F2
52	MKIT1	FKIT1 10	OKIT1 10	F3
53		FKIT1 8	OKIT1 8	F4
54	MFUSE	FFUSE	OFUSE	F5
55			FUSEPNL	20
56	MSGPD	SPDF	ALARMPNL	21
57			FUSES25A	N/A

TABLE A3 STANDARD CONFIGURATIONS FOR J86334E-1 FUSE PANELS MOUNTED IN J86334E-1 FRAMEWORKS SEE NOTES 72,80,81,82	
COMCODE	DESCRIPTION
108491127	(1) J86334E-1 L-2 GPDF GLOBAL STYLE E/W (4) L-15 (1) L-B
108491135	(1) J86334E-1 L-2 GPDF GLOBAL STYLE E/W (1) L-15 (3) L-13 (1) L-B
108491333	(1) J86334E-1 L-1 GPDF STANDARD STYLE E/W (4) L-15 (1) L-A
108491325	(1) J86334E-1 L-1 GPDF STANDARD STYLE E/W (1) L-15 (3) L-13 (1) L-A
108528381	(1) J86334E-1 L-1 GPDF STANDARD STYLE E/W (4) L-10 (4) L-K1 (1) L-A
108528399	(1) J86334E-1 L-1 GPDF STANDARD STYLE E/W (1) L-10 (3) L-13 (1) L-K1 (1) L-A
108318940	(1) J86334E-1 L-2 GPDF GLOBAL STYLE E/W (4) L-10 (4) L-K1 (1) L-B
108528365	(1) J86334E-1 L-2 GPDF GLOBAL STYLE E/W (1) L-10 (3) L-13 (1) L-K1 (1) L-B
108692591	(1) J86334E-1 L-2 GPDF GLOBAL STYLE E/W (2) L-10 (1) L-13 (1) L-14 (2) L-K1
108692583	(1) J86334E-1 L-2 GPDF GLOBAL STYLE E/W (2) L-10 (2) L-13 (1) L-14 (1) L-K1
108692609	(1) J86334E-1 L-2 GPDF GLOBAL STYLE E/W (3) L-10 (1) L-14 (3) L-K1
108534934	(1) J86334E-1 L-10
108478462	(1) J86334E-1 L-15
108688698	(1) J86334E-1 L-16 E/W (1) L-K5
108580234	(1) J86334E-1 H10 E/W (1) L-K1
108685066	(1) J86334E-1 L-K1
108685074	(1) J86334E-1 L-K3
108716655	(1) J86334E-1 L-K5

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			DWG SIZE	B

TABLE DLT: MATERIAL REMOVED FROM STOCKLIST				
S/L ITEM	COMCODE	FORMER		ISSUE REMOVED
		LISTS	QTY PER	
79	407140359	1,2,3,4	2	3
110	901248815	2,4	4	3
172	847311784	C,D,E	-1	3
173	847150059	C,D,E	1	3
178	847366606	C,D,E	1	3
181	996564316	C,D,E	1.6	3
195	801724857	C,D,E	1.6	3
201	801829557	C,D,E	1.6	3
206	801098963	C,D,E	1.6	3
52	403589062	1,2,3,4	1.5	4
99	846594497	1,2,3,4	4	4
177	847385259	C,D,E	1	4
187	847368321	C,D	4	4
214	847368339	E	2	4
215	847366549	C	1	4
		D,E	2	
12	847362241	1,3	1	6.1
37	847320900	2,4	1	6.1
94	845623065	1,2,3,4	1	6.1
95	847311784	1,2,3,4	1	6.1
81	846804987	1,2,3,4	4	7
97	847692613	1,2,3,4	1	9

TABLE V: TERMINALS REQUIRED FOR LOAD INVOLT AND RETURN CONNECTIONS FOR LIST 12 (MAX 2 AWG)			
VA	VB	VC	
FOR INVOLT CONNECTIONS			
LINE	CABLE (AWG)	T&B TERMINAL	COMCODE
1	2	G671	401114665
2	4	F271	405135286
3	6	E271	405135146
4	8	D271	401868146
FOR RETURN CONNECTIONS			
LINE	CABLE (AWG)	WP91412 LIST	COMCODE
51	2 (FLEX)	8	405347683
52	2 (STD)	54	405348202
53	4	5	405347576
54	6	3	405347519
55	8	75	406021626
SEE EDS073-11 FOR CRIMP INFORMATION			
SEE NOTE 63 FOR HARDWARE INFORMATION			

TABLE Y: FUSE INFORMATION							
FUSES ORDERED BY ENGINEER							
LINE	USED ON LIST	USED FOR	RATING	MFR	PART NO.	COMCODE	NOTE
1	10,11,15	LOAD	25		WP92955 L8	407132257	73
2	16	LOAD	50			407006394	73
3				GOULD SHAWMUT	A13X50		
4	12	LOAD	50	INTERNATIONAL	13X50		
5				RECTIFIER			
6	12	ALARM	.5	ECONOMY FUSE	RFA50	100203369	
FUSES SUPPLIED BY FACTORY							
LINE	USED ON LIST	USED FOR	RATING	MFR	PART NO.	COMCODE	NOTE
51	10,11,15,16	ALARM CIRCUIT	3		WP91768 L108	406747535	
52	12	FILTER	30	BUSSMANN	AFJ30	402669360	
53	10,11,15,16	FILTER	25		WP92955 L8	407132257	

TABLE R: ADDITIONAL EQUIPMENT FOR LIST P (NOTE: THESE ITEMS MUST BE ORDERED DIRECTLY FROM LUCENT TECHNOLOGIES-NSI. SEE 5ESS-2000 SWITCH HANDBOOK FOR INSTALLATION.)		
LINE	COMCODE	DESCRIPTION
1	847587599	ERICSSON CLAMP KIT ORDER ONE PER FRAME TO PROVIDE 2 A + 2 B BUSES OR 1 A + 1 B BUS (CONTAINS JUMPER BUS BAR, INSULATING SLEEVING, ERICSSON CLAMPS, AND HARDWARE)
2	107427809	CONCENTRIC CABLE KIT ORDER ONE PER FRAME TO PROVIDE 1 A + 1 B BUS OR 1 A/B BUS (CONTAINS C-SHAPE BUS BAR, MOUNTING BARS, INSULATING SLEEVING, AND HARDWARE)
3	847587607	CABLE PROTECTION KIT ORDER ONE PER FRAME FOR USE WITH PHASE II CABLE RACK (CONTAINS PROTECTIVE COVER AND GROMMET)
4	847587615	MESH EARTHING KIT ORDER ONE PER FRAME TO PROVIDE MESH GROUND BUS BARS (CONTAINS BUS BARS, EARTH CLAMP, AND HARDWARE)
5	107394983	CAP KIT FOR TOP-FED FRAME ORDER ONE PER FRAME (CONTAINS COVER PLATES, BRACKETS, AND HARDWARE)

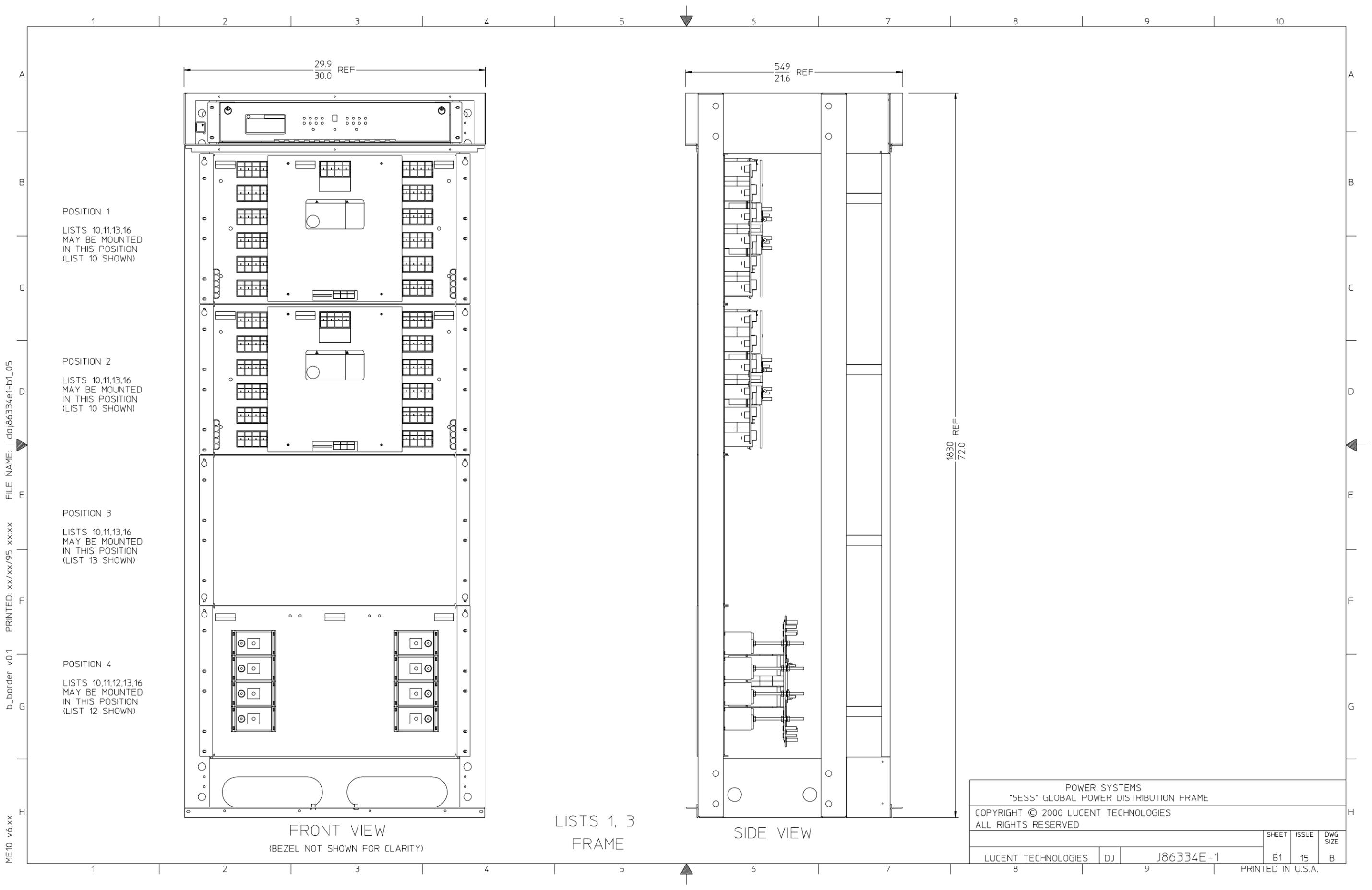
TABLE W: TERMINALS REQUIRED FOR FEEDER INVOLT AND RETURN CONNECTIONS					
WA	WB	WC			WD
FOR LIST 10,15,16 (INVOLT & RETURN)					
LINE	CABLE (AWG)	CABLE TYPE	WP91412 LIST	COMCODE	
1	350MCM	STD	61	405348277	
2		FLEX	86	406021915	
3	4/0	STD	59	405348251	
4		FLEX	27	405347923	
FOR LIST 12 (INVOLT & RETURN)					
LINE	CABLE (AWG)	CABLE TYPE	WP91412 LIST	COMCODE	
51	4/0	STD	151	406434100	
52		FLEX	24	405347881	
53	2/0	STD	144	406434035	
54		FLEX	147	406434068	
55	1/0	STD	138	406434506	
56		FLEX	141	406434522	
FOR LIST 14 (INVOLT & RETURN)					
LINE	CABLE (AWG)	CABLE TYPE	WP91412 LIST	COMCODE	
61	500MCM	STD	63	405348293	
62		FLEX	165	406434241	
63	350MCM	STD	61	405348277	
64		FLEX	86	406021915	
65	4/0	STD	59	405348251	
66		FLEX	27	405347923	
67	2/0	STD	57	405348236	
68		FLEX	77	406021725	
69	1/0	STD	56	405348228	
70		FLEX	57	405348236	
71	2	STD	121	406338665	
72		FLEX	176	407726041	
73	4	STD	116	406332940	
74		FLEX	116	406332940	
SEE EDS073-11 FOR CRIMP INFORMATION					
SEE NOTE 57 FOR HARDWARE INFORMATION					

TABLE Z: ADDITIONAL OPTIONAL EQUIPMENT			
LINE	COMCODE	NOTE	DESCRIPTION
1	847311768	61	GPDF 06 - 11 LABELS FOR LIST 1 OR 3 CABINETS
2	847311776	61	GPDF 06 - 11 LABELS FOR LIST 2 OR 4 CABINETS
3	601784101	66	ENDCOVER KIT, LEFT SIDE FOR LIST 1 OR 3 CABINETS
4	601784093	66	ENDCOVER KIT, RIGHT SIDE FOR LIST 1 OR 3 CABINETS
5	846957686	68	PANEL ID LABEL SET
6	406980839	--	REPLACEMENT DISCONNECT HEAD FOR WP92955-TYPE FUSE HOLDERS
7	847265758	62	ED5D785-70 G2B DOOR ASSY KIT FOR EMC APPLICATIONS
8	107202129	--	REPLACEMENT 994A ALARM PWB
9	847466778	--	REPLACEMENT CAPACITOR PWB
10	847614344	75	EXTENSION ALARM WIRESET

TABLE S: ALTERNATE PART NUMBERS (SEE NOTE 34)			
LINE	COMCODE	DESCRIPTION	ALTERNATE
1	901276964	SCREW, M3X6	847116555
2	901271031	SCREW, M6X16	NONE
3	901263327	SCREW, M8X25	847116738
4	901231399	SCREW, M4X12	847117876
5	901230474	SCREW, M3.5X8	NONE
6	901276907	SCREW, M5X10 SEMS	NONE
7	901297929	SCREW, M5X8 SEMS	847116654 +847337888 +847175007
8	901297861	SCREW, M6X12 SEMS	847079860 +847337953 +847174901
9	901283176	SETScrew, M6X14	NONE
10	804236362	WASHER, .25 EXT. TOOTH	847174828
11	901249813	WASHER, M8	847174927
12	901231456	WASHER, M6	847174901
13	901230516	WASHER, M4	847174885
14	901249821	LOCKWASHER, M8	847337896
15	901231472	LOCKWASHER, M6	847337953
16	901230680	LOCKWASHER, M4	847337870
17	901249839	NUT, M8	847183613
18	901231464	NUT, M6	847183597
19	847360757	C" BUS ADAPTER	847366564

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J86334E-1		DWG SIZE	B

1	2	3	4	5	6	7	8	9	10	
H								PDI: 98ESDJ0470 SH A1: TABLE A, ADDED LINE 15. SH A3, UPDATED TABLE W. SH B7: "15" WAS "10". SH C5: LIST 15 IS ADDED. SH D2: ADDED ITEM 262. PDI: 98ESDJ1127	ADDED OPTION D TO LISTS 1,2 3,4. ADDED TABLE DLT AND UPDATED STOCKLIST TO DLT FORMAT. CHGD NOTE 15, ADDED NOTE 35. SH C3- CHGED ITEM 56 ORIENTATION. STOCKLIST- ADDED ITEMS 20,21. PDI: 96ESDJ0082 CL:ME	H
G								OLS LLJ 11-10-98 11 GAS GAS	SCF KOS 2-23-96 5 GME	G
F								SHA3: ADDED TABLE A3 FOR STANDARD CONFIGURATIONS FOR J86334E-1. ADDED NOTES 80 AND 81 FOR INFORMATION ON CONFIGURATIONS. MODIFIED NOTE 72 TO SHOW NEW CONFIGURATION. ADDED L15 TO NOTE 57. SHD2: ADDED ITEM 263 407132257 FUSES FOR LIST 10 AND 15. SHA2: ADDED NOTE 39 AND 82. PDI: 99ESDJ0333 CL:ME	ADD LISTS 20,21. ADD NOTES 36, 37, 76-79. CHANGE ALL AT&T REFS TO LUCENT TECH. CHANGE TABLE 2: LINE 3 WAS 847312147, LINE 4 WAS 847312139. ADD TABLE A2 LINES 55-57. ADD SHEET B5. ADD TORQUE TO ALL FASTENERS ON C SHEETS. ADD STOCKLIST ITEMS 247,249. PDI: 96ESDJ0297 CL:ME	F
E								AEM AEM 05-10-99 12 GAS	KOS 5-26-96 6 GME	E
D								SHA2: ADDED NOTE 83 FOR LIST K1 AND K2. PDI: 99ESDJ0384 CL:ME	STOCKLIST CHGS: DLT ITEMS 12,37,94,95. ADD ITEMS 97, 192. CHG QTY ITEMS 108,109. ADD NOTE 38. UPDATE TABLE DLT. UPDATE SHEETS C2,C6, C8 TO REFLECT S/L CHGS. PDI: 96ESDJ0381 CL:ME	D
C								AEM AEM 05-27-99 13 GAS	KOS 6-28-96 6.1 GME	C
B								CHANGED DRAWING RATING TO "NFS" NOT FOR SALE. ADDED NOTE 84 "J86334E-1 IS NO LONGER FOR SALE AS A OPTION PRODUCT PLEASE REFER TO TALBE A3 FOR A LIST OF STANDARD COMCODES". SHA4: ADDED TWO NEW STANDARD COMCODES FOR LIST K1 AND K2. ADDED NEW COMCODES FOR J86334E1 L10 E/W LIST K1 TO TABLE A3. PDI: 99ESDJ0739 CL:ME	INCORPORATED 6.1 CHANGES. SH C2: ZN H6, TIE BAR ASSY WAS 846804987. SH C6: ZN G7, TIE BAR ASSY WAS 846804987. SH C8: ZN C8, 6.1 CHANGES ONLY. PDI: 97ESDJ1556	B
A								AEM AEM 12/13/1999 14 GAS	LLJ LLJ 12-03-97 7 GME	A
H								ADDED LIST 16 TO TABLE A EQUIPMENT, WIRING AND ASSEMBLY IN ADDITION TO LIST 1, 2,3 AND 4 TO PROVIDE 380 MM (15 INCH HIGH FILTER FUSE PANEL CONTAINING 24 LOAD POSITIONS FOR USE WITH TPA 50 AMP FUSE ONLY. SHA2: ADDED LIST K5, HARDWARE KIT REQUIRED IN ADDITION TO EACH LIST 16, TO PROVIDE LOAD INVOLT AND RETURN CONNECTORS AND HARDWARE FOR 6 MM (8 AWG) CABLE. SHA3: ADDED LIST K5 TO NOTE 63. SHA4 ADDED NOTE 85 FOR 407006394 (TPA 50 AMP) FUSE INFORMATION. SHA4: TABLE A3 ADDED 108688698,108716655 TO LIST OF STANDARD COMCODES. SHA5: TABLE Y, ADDED LINE 2 FOR INFORMATION ON TPA 50 AMP FUSE. ADDED LIST 16 TO LINE 51 AND 53. SHB1,B2,B3,C1,C5, ADDED CALLOUT TO ALL FIGURES FOR LIST 16. SHC10 CHANGED CALLOUT LOCATION B1 TO READ J86334E-1 LIST 15. SHD1; ADDED ITEM 135, ED83133-30 G8.SHD2: ADDED ITEM 264 (QTY 30) 407006394 TPA TPA 50 AMP FUSES. ADDED ITEM 164 LIST K5, COMCODE 848516282 HARDWARE KIT. PDI: 00ESDJ0025 CL:ME	SH A2: MODIFIED NOTE 62. PDI: 98ESDJ0111	H
G								AEM AEM 1/13/2000 15 GAS	LLJ LLJ 02-09-98 8 GAS	G
F								SH C2: ZN E6, ITEM 251 REPLACED ITEM 97. SH C6: ITEM 251 REPLACED ITEM 97. PDI: 98ESDJ0198	LLJ LLJ 03-09-98 9 GAS GAS	F
E								ADDED SHEETS B6, B7 & C10. SH A1: ADDED LISTS 14,Q, R & S. MOD TEXT ON LINES 72 & 73. MOD NOTE 20. SH A2: MOD NOTE 63. SH A3: UPDATED ISSUE NOTES. SH D1: ADDED ITEMS 46,252,253 & 254. MADE ITEMS 2,31,32,39,40,148,150 & 213. ADDED ITEMS 255-261.	OLS LLJ 07-13-98 10 GAS GAS	E
D								5ESS" GLOBAL POWER DISTRIBUTION FRAME		D
C								COPYRIGHT 2000 LUCENT TECHNOLOGIES ALL RIGHTS RESERVED		C
B								MATRIX EBOM VERSION ASSY_MISC J86334E1 15	SHEET ISSUE DWG SIZE	B
A								LUCENT TECHNOLOGIES DJ J86334E-1	A6 15 B	A
1	2	3	4	5	6	7	8	9	10	



POSITION 1
 LISTS 10,11,13,16
 MAY BE MOUNTED
 IN THIS POSITION
 (LIST 10 SHOWN)

POSITION 2
 LISTS 10,11,13,16
 MAY BE MOUNTED
 IN THIS POSITION
 (LIST 10 SHOWN)

POSITION 3
 LISTS 10,11,13,16
 MAY BE MOUNTED
 IN THIS POSITION
 (LIST 13 SHOWN)

POSITION 4
 LISTS 10,11,12,13,16
 MAY BE MOUNTED
 IN THIS POSITION
 (LIST 12 SHOWN)

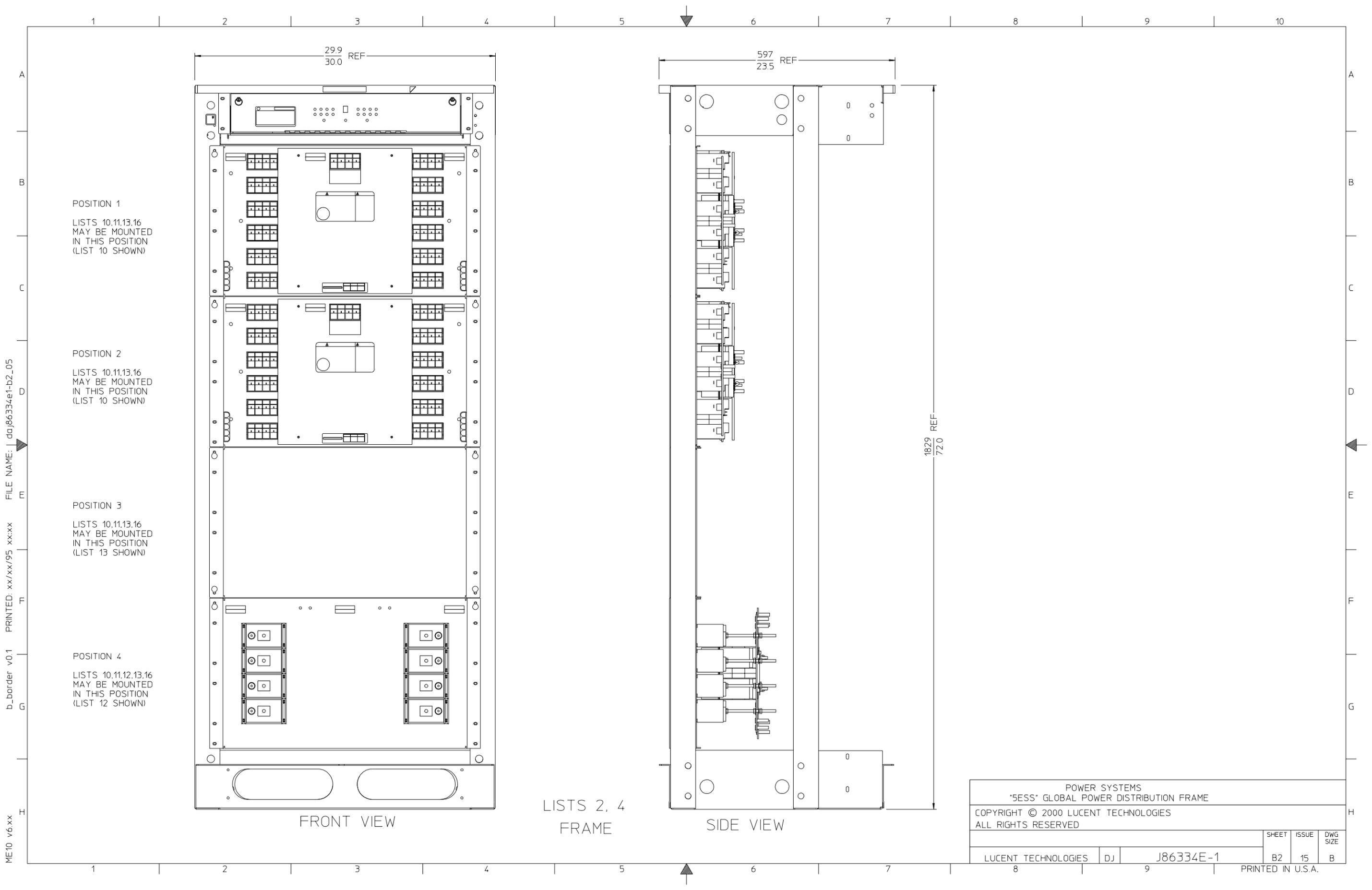
FRONT VIEW
 (BEZEL NOT SHOWN FOR CLARITY)

LISTS 1, 3
 FRAME

SIDE VIEW

POWER SYSTEMS			
"SESS" GLOBAL POWER DISTRIBUTION FRAME			
COPYRIGHT © 2000 LUCENT TECHNOLOGIES			
ALL RIGHTS RESERVED			
LUCENT TECHNOLOGIES	DJ	J86334E-1	PRINTED IN U.S.A.
SHEET	ISSUE	DWG	SIZE
B1	15	B	B

ME10 v6.xx
 b_border v0.1
 PRINTED: xx/xx/95 xx:xx
 FILE NAME: | ddj86334e1-b1_05



POSITION 1
LISTS 10,11,13,16
MAY BE MOUNTED
IN THIS POSITION
(LIST 10 SHOWN)

POSITION 2
LISTS 10,11,13,16
MAY BE MOUNTED
IN THIS POSITION
(LIST 10 SHOWN)

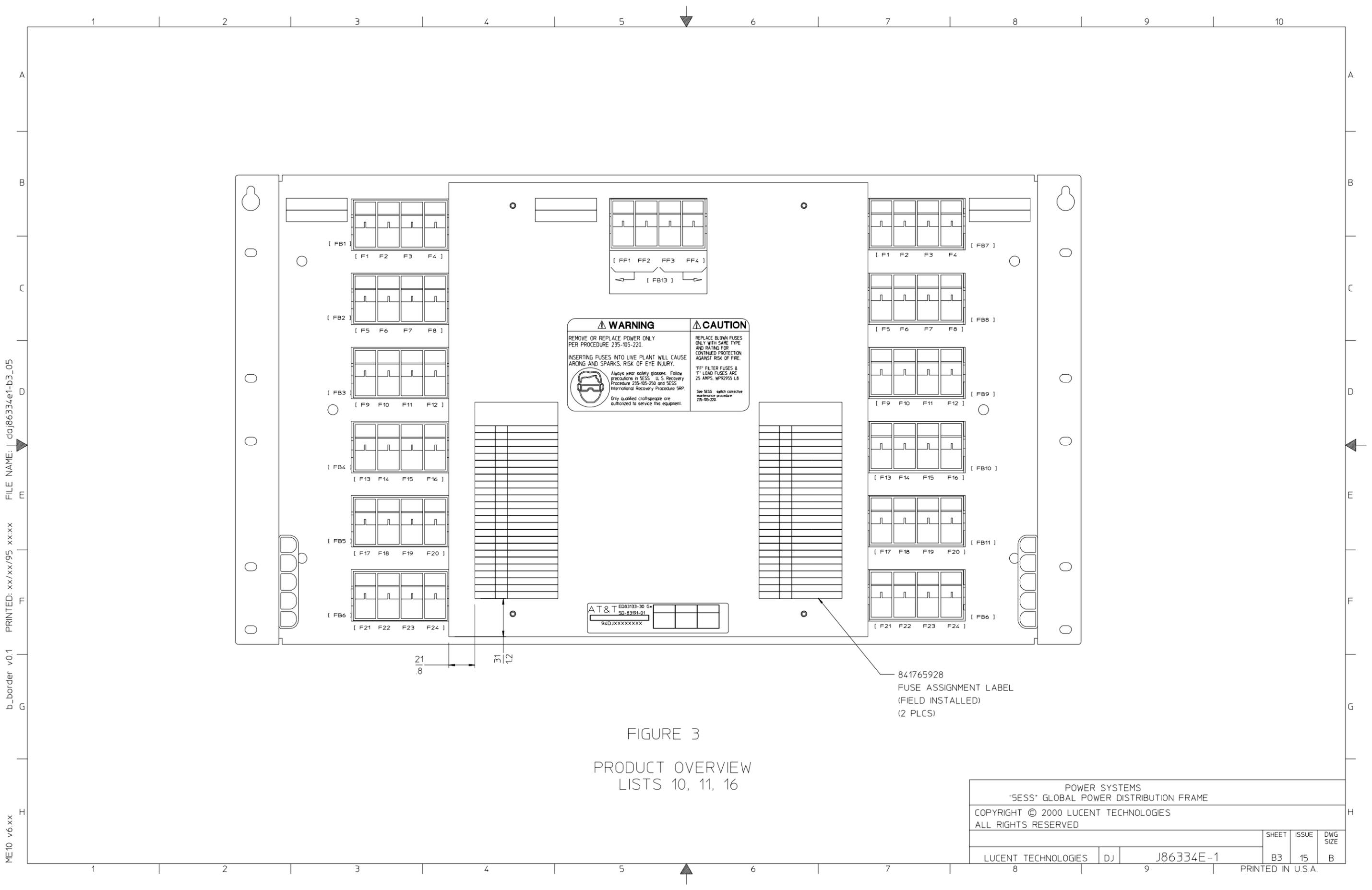
POSITION 3
LISTS 10,11,13,16
MAY BE MOUNTED
IN THIS POSITION
(LIST 13 SHOWN)

POSITION 4
LISTS 10,11,12,13,16
MAY BE MOUNTED
IN THIS POSITION
(LIST 12 SHOWN)

LISTS 2, 4
FRAME

POWER SYSTEMS "SESS" GLOBAL POWER DISTRIBUTION FRAME			
COPYRIGHT © 2000 LUCENT TECHNOLOGIES ALL RIGHTS RESERVED			
LUCENT TECHNOLOGIES	DJ	J86334E-1	PRINTED IN U.S.A.
SHEET	ISSUE	DWG SIZE	
B2	15	B	

ME10 v6.xx
b_border v0.1
PRINTED: xx/xx/95 xx:xx
FILE NAME: | ddj86334e1-b2_05



FILE NAME: I:\daj\86334e1-b3_05

PRINTED: xx/xx/95 xx:xx

b_border v0.1

ME10 v6.xx

WARNING
 REMOVE OR REPLACE POWER ONLY PER PROCEDURE 235-105-220.
 INSERTING FUSES INTO LIVE PLANT WILL CAUSE ARCING AND SPARKS. RISK OF EYE INJURY.
 Always wear safety glasses. Follow precautions in SESS U.S. Recovery Procedure 235-105-250 and SESS International Recovery Procedure SRP.
 Only qualified craftspeople are authorized to service this equipment.

CAUTION
 REPLACE BLOWN FUSES ONLY WITH SAME TYPE AND RATING FOR CONTINUED PROTECTION AGAINST RISK OF FIRE.
 FF* FILTER FUSES & F* LOAD FUSES ARE 25 AMP, WP92955 L8
 See SESS switch corrective maintenance procedure 235-105-226

AT&T ED83193-30 G- SD-83191-01
 94D.JXXXXXXX

841765928
 FUSE ASSIGNMENT LABEL
 (FIELD INSTALLED)
 (2 PLCS)

FIGURE 3
 PRODUCT OVERVIEW
 LISTS 10, 11, 16

POWER SYSTEMS "SESS" GLOBAL POWER DISTRIBUTION FRAME		
COPYRIGHT © 2000 LUCENT TECHNOLOGIES ALL RIGHTS RESERVED		
LUCENT TECHNOLOGIES	DJ	J86334E-1
SHEET B3	ISSUE 15	DWG SIZE B
PRINTED IN U.S.A.		

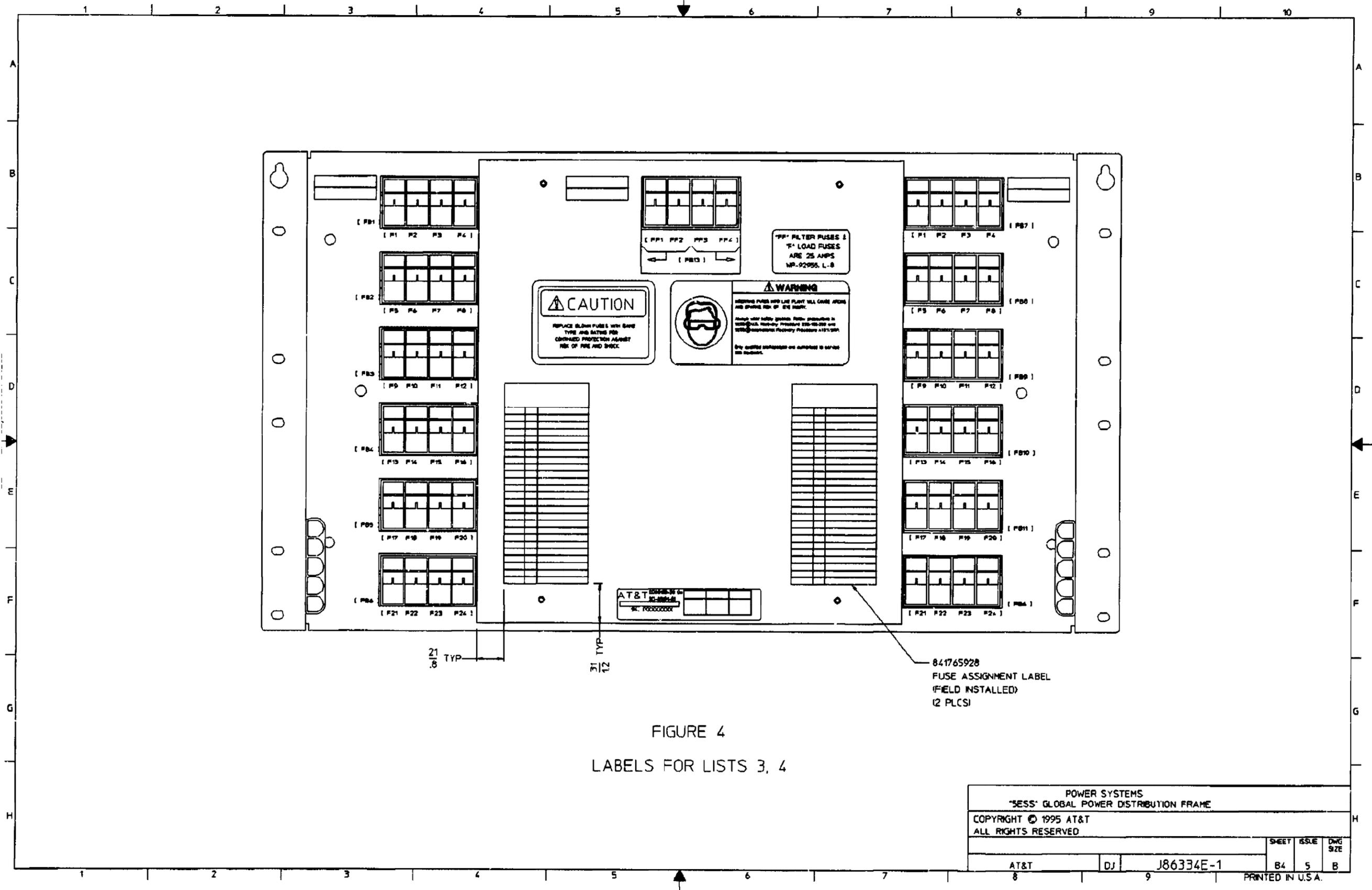


FIGURE 4
LABELS FOR LISTS 3, 4

POWER SYSTEMS			
"SESS" GLOBAL POWER DISTRIBUTION FRAME			
COPYRIGHT © 1995 AT&T			
ALL RIGHTS RESERVED			
AT&T	DJ	J86334E-1	SHEET 84
			ISSUE 5
			DWG SIZE B

PRINTED IN U.S.A.

HP HE30 Rev. 06.11 20-Jan-95 b_border v0.1 PRINTED: 04/24/96 xxxxx FILE NAME: dj86334et-b5_06

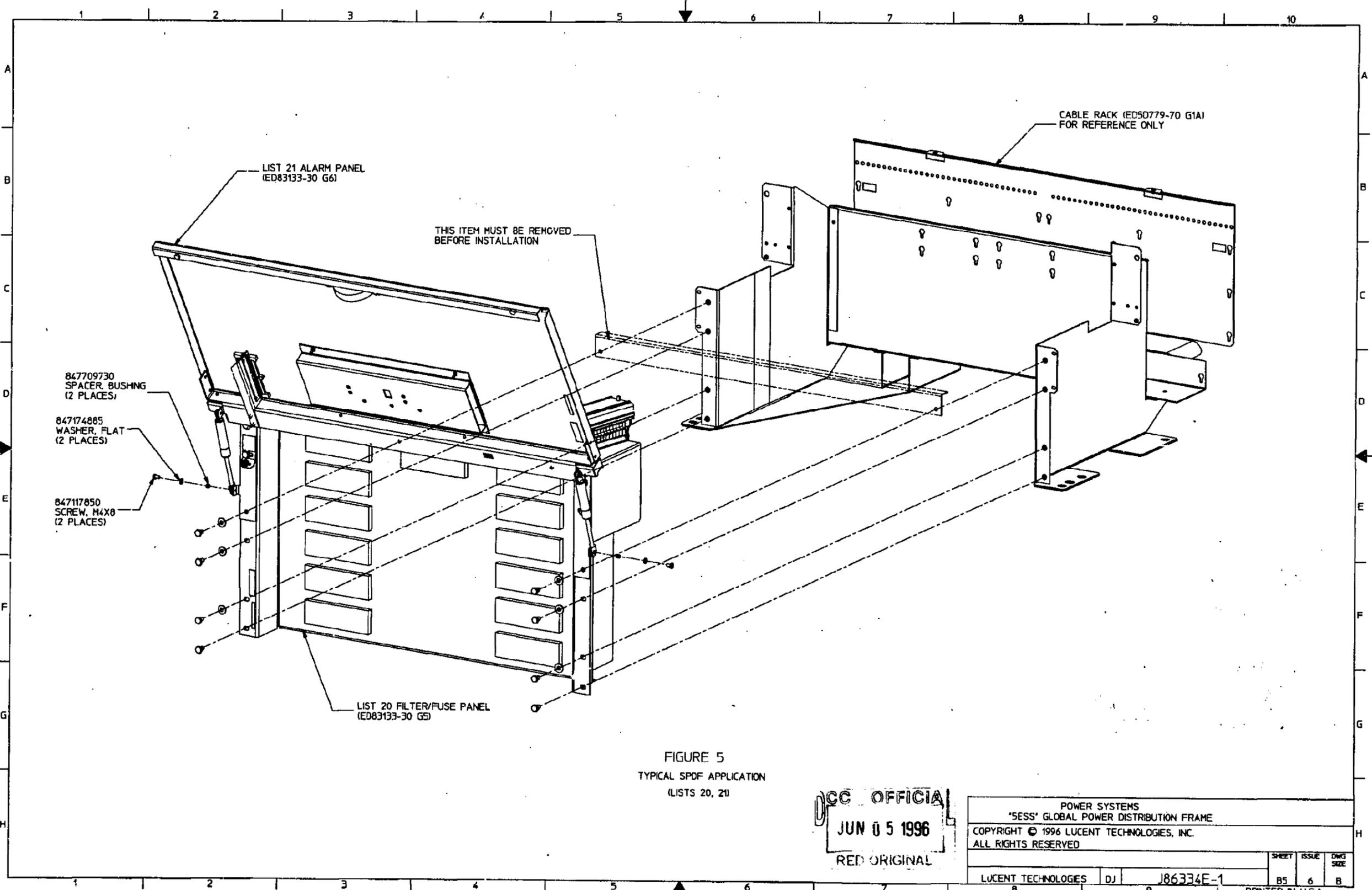


FIGURE 5
TYPICAL SPDF APPLICATION
(LISTS 20, 21)

OFFICIAL
JUN 05 1996
RED ORIGINAL

POWER SYSTEMS		
"SESS" GLOBAL POWER DISTRIBUTION FRAME		
COPYRIGHT © 1996 LUCENT TECHNOLOGIES, INC.		
ALL RIGHTS RESERVED		
LUCENT TECHNOLOGIES	DJ	J86334E-1
SHEET	ISSUE	DWG SIZE
85	6	B

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FILE NAME | do186334e1-b6_10

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ME10 v6.xx

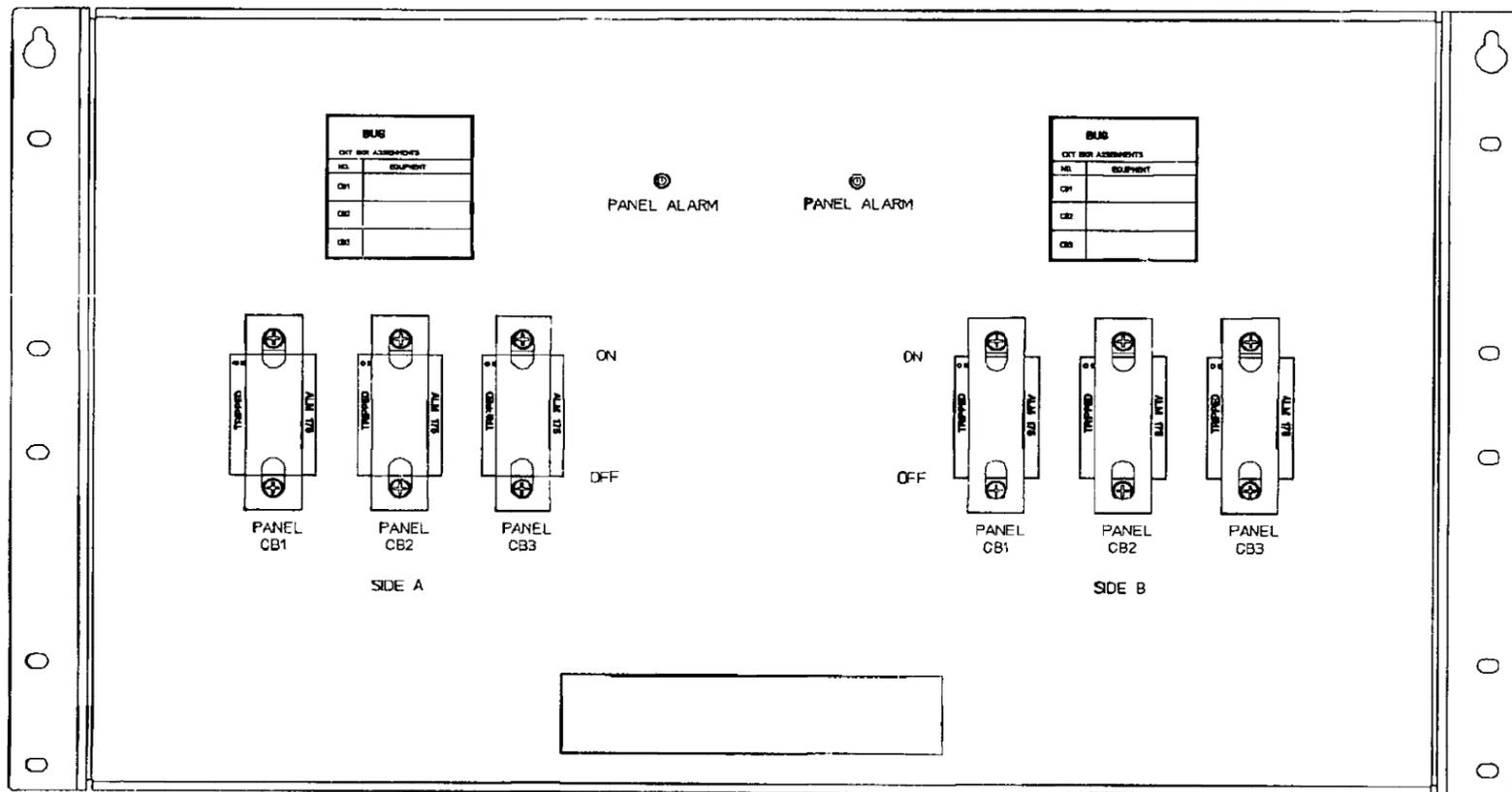


FIGURE 7
LIST 14

LOG OFFICER
 JUL 24 1998
 RED ORIGINAL

POWER SYSTEMS 'SESS' GLOBAL POWER DISTRIBUTION FRAME			
COPYRIGHT © 1998 LUCENT TECHNOLOGIES ALL RIGHTS RESERVED			
LUCENT TECHNOLOGIES	DJ	J86334E-1	SHEET ISSUE DWG SIZE B6 10 B

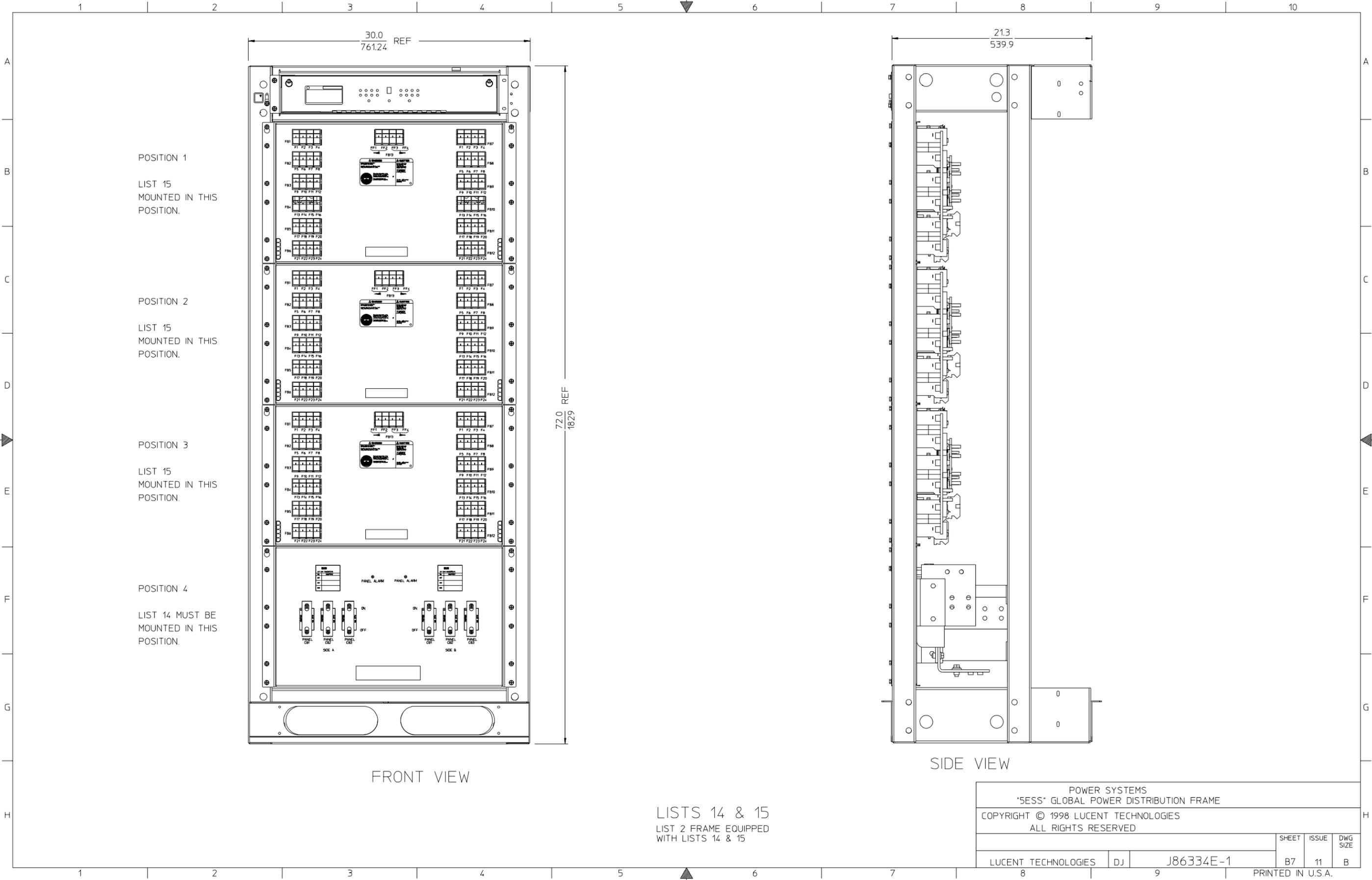
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FILE NAME: | daj86334e1-b7_11

PRINTED: 05/10/98 10:00

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ME10 v6.xx



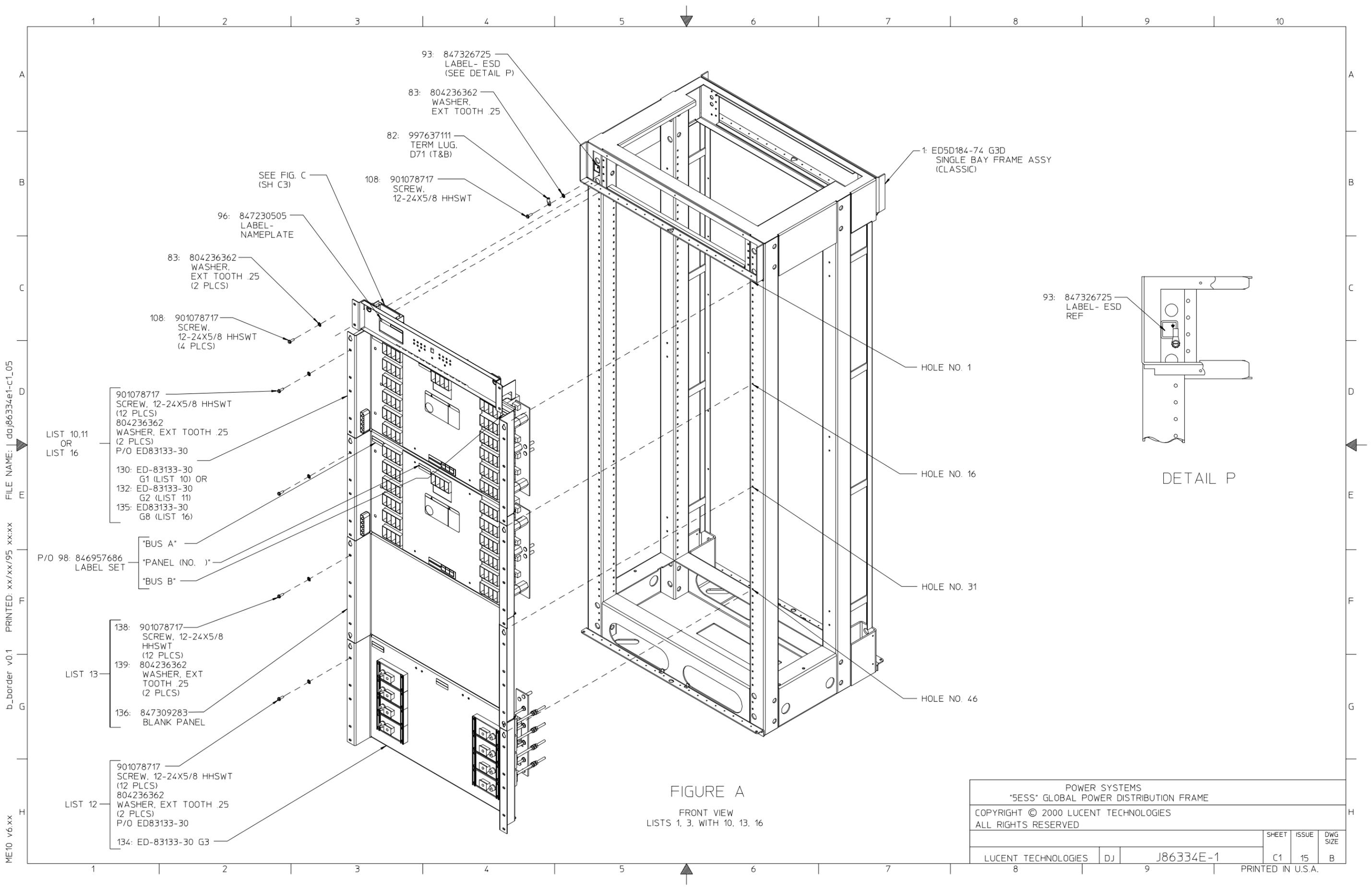
FRONT VIEW

SIDE VIEW

LISTS 14 & 15
LIST 2 FRAME EQUIPPED
WITH LISTS 14 & 15

POWER SYSTEMS "SESS" GLOBAL POWER DISTRIBUTION FRAME			
COPYRIGHT © 1998 LUCENT TECHNOLOGIES ALL RIGHTS RESERVED			
LUCENT TECHNOLOGIES	DJ	J86334E-1	B7 11 B
			SHEET ISSUE DWG SIZE
			B7 11 B

PRINTED IN U.S.A.



93: 847326725
LABEL- ESD
(SEE DETAIL P)

83: 804236362
WASHER,
EXT TOOTH .25

82: 997637111
TERM LUG,
D71 (T&B)

108: 901078717
SCREW,
12-24X5/8 HHSWT

1: ED5D184-74 G3D
SINGLE BAY FRAME ASSY
(CLASSIC)

SEE FIG. C
(SH C3)

96: 847230505
LABEL-
NAMEPLATE

83: 804236362
WASHER,
EXT TOOTH .25
(2 PLCS)

108: 901078717
SCREW,
12-24X5/8 HHSWT
(4 PLCS)

901078717
SCREW, 12-24X5/8 HHSWT
(12 PLCS)
804236362
WASHER, EXT TOOTH .25
(2 PLCS)
P/O ED83133-30

LIST 10,11
OR
LIST 16

130: ED-83133-30
G1 (LIST 10) OR
132: ED-83133-30
G2 (LIST 11)
135: ED83133-30
G8 (LIST 16)

P/O 98: 846957686
LABEL SET

"BUS A"
"PANEL (NO.)"
"BUS B"

138: 901078717
SCREW, 12-24X5/8
HHSWT
(12 PLCS)
139: 804236362
WASHER, EXT
TOOTH .25
(2 PLCS)

LIST 13

136: 847309283
BLANK PANEL

901078717
SCREW, 12-24X5/8 HHSWT
(12 PLCS)
804236362
WASHER, EXT TOOTH .25
(2 PLCS)
P/O ED83133-30

LIST 12

134: ED-83133-30 G3

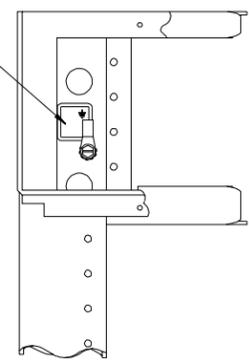
HOLE NO. 1

HOLE NO. 16

HOLE NO. 31

HOLE NO. 46

93: 847326725
LABEL- ESD
REF



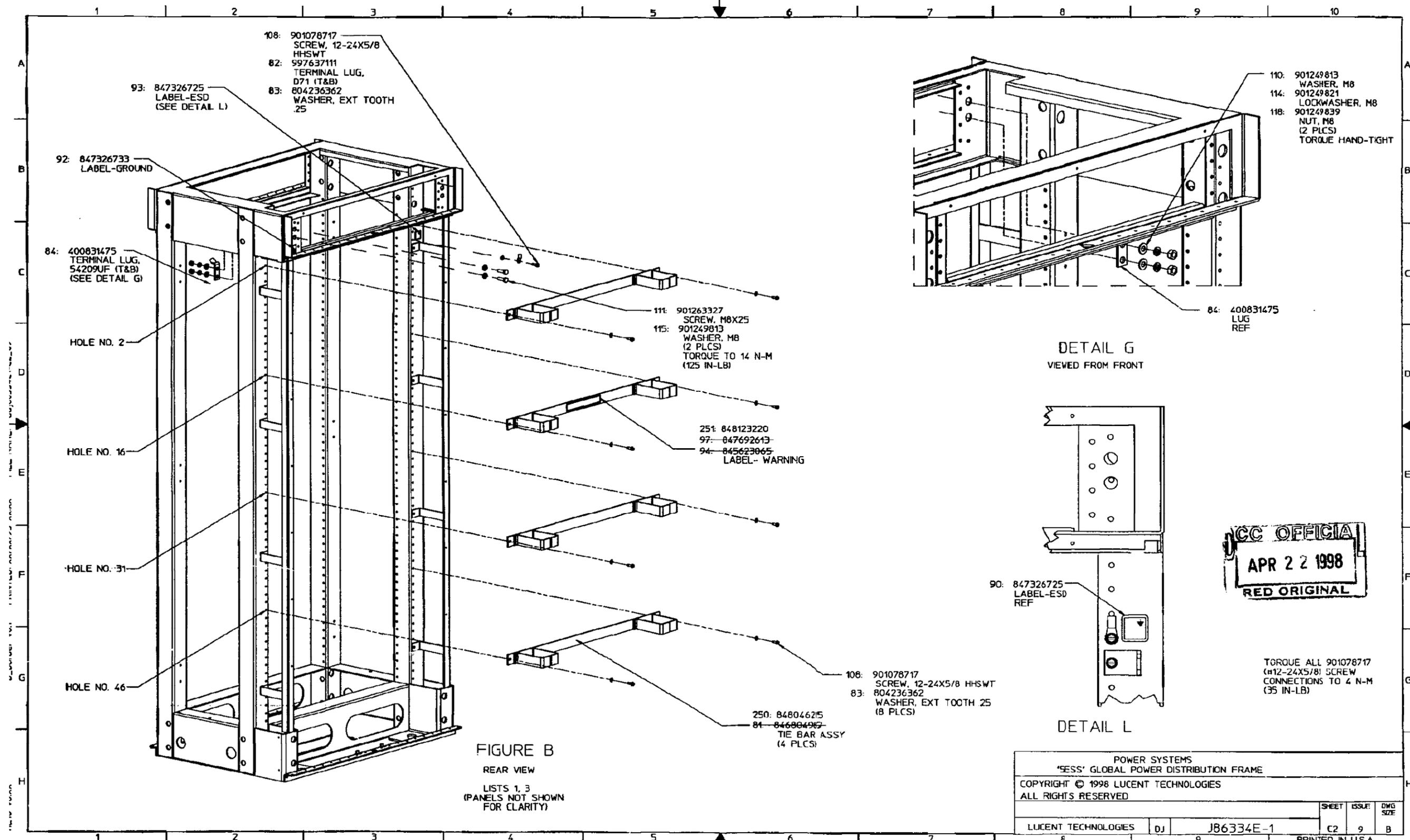
DETAIL P

FIGURE A

FRONT VIEW
LISTS 1, 3, WITH 10, 13, 16

POWER SYSTEMS "SESS" GLOBAL POWER DISTRIBUTION FRAME			SHEET	ISSUE	DWG SIZE
COPYRIGHT © 2000 LUCENT TECHNOLOGIES ALL RIGHTS RESERVED			C1	15	B
LUCENT TECHNOLOGIES	DJ	J86334E-1	PRINTED IN U.S.A.		

FILE NAME: | ddj86334e1-c1_05
PRINTED: xx/xx/95 xx:xx
b_border v0.1
ME10 v6.xx



108: 901078717
SCREW, 12-24X5/8
HHSWT
82: 997637111
TERMINAL LUG,
D71 (T&B)
83: 804236362
WASHER, EXT TOOTH
.25

93: 847326725
LABEL-ESD
(SEE DETAIL L)

92: 847326733
LABEL-GROUND

84: 400831475
TERMINAL LUG,
54209UF (T&B)
(SEE DETAIL G)

HOLE NO. 2

HOLE NO. 16

HOLE NO. 31

HOLE NO. 46

111: 901263327
SCREW, M8X25
115: 901249813
WASHER, M8
(2 PLCS)
TORQUE TO 14 N-M
(125 IN-LB)

251: 848123220
97: 847692613
94: 845623065
LABEL- WARNING

250: 848046215
~~81: 846804967~~
TIE BAR ASSY
(4 PLCS)

108: 901078717
SCREW, 12-24X5/8 HHSWT
83: 804236362
WASHER, EXT TOOTH 25
(8 PLCS)

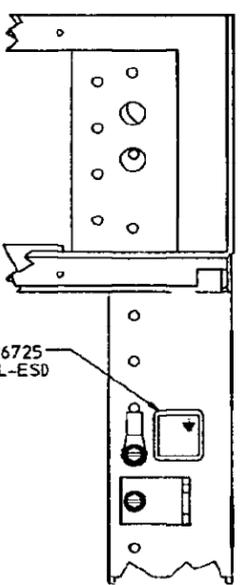
110: 901249813
WASHER, M8
114: 901249821
LOCKWASHER, M8
118: 901249839
NUT, M8
(2 PLCS)
TORQUE HAND-TIGHT

ICC OFFICIAL
APR 22 1998
RED ORIGINAL

TORQUE ALL 901078717
(#12-24X5/8) SCREW
CONNECTIONS TO 4 N-M
(35 IN-LB)

FIGURE B
REAR VIEW
LISTS 1, 3
(PANELS NOT SHOWN
FOR CLARITY)

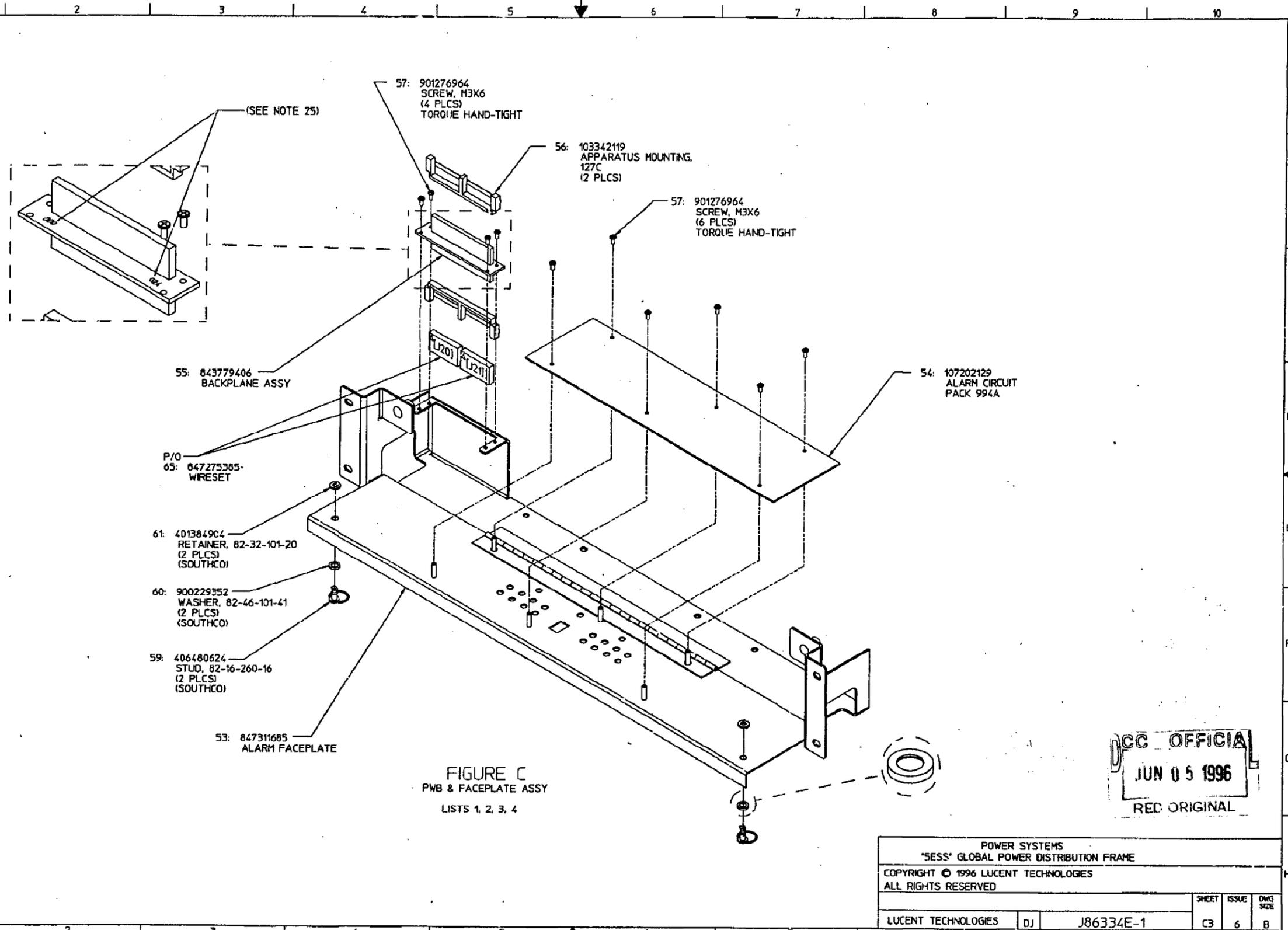
DETAIL G
VIEWED FROM FRONT



DETAIL L

POWER SYSTEMS "SESS" GLOBAL POWER DISTRIBUTION FRAME			
COPYRIGHT © 1998 LUCENT TECHNOLOGIES ALL RIGHTS RESERVED			
LUCENT TECHNOLOGIES	DJ	J86334E-1	SHEET 9 OF 9 ISSUE C2 DWG SIZE B
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ME10 v6.xx
b_border v0.1
PRINTED: xx/xx/95 xx:xx
FILE NAME: J:\d0186334e1-c3_06



(SEE NOTE 25)
57: 901276964
SCREW, M3X6
(4 PLCS)
TORQUE HAND-TIGHT

56: 103342119
APPARATUS MOUNTING,
127C
(2 PLCS)

57: 901276964
SCREW, M3X6
(6 PLCS)
TORQUE HAND-TIGHT

55: 843779406
BACKPLANE ASSY

54: 107202129
ALARM CIRCUIT
PACK 994A

P/O
65: 047275385-
WIRESET

61: 4013849C4
RETAINER, 82-32-101-20
(2 PLCS)
(SOUTHCO)

60: 900229352
WASHER, 82-46-101-41
(2 PLCS)
(SOUTHCO)

59: 406480624
STUD, 82-16-260-16
(2 PLCS)
(SOUTHCO)

53: 847311685
ALARM FACEPLATE

FIGURE C
PWB & FACEPLATE ASSY
LISTS 1, 2, 3, 4

CC OFFICIAL
JUN 05 1996
RED ORIGINAL

POWER SYSTEMS "SESS" GLOBAL POWER DISTRIBUTION FRAME		
COPYRIGHT © 1996 LUCENT TECHNOLOGIES ALL RIGHTS RESERVED		
LUCENT TECHNOLOGIES	DJ	J86334E-1
SHEET C3	ISSUE 6	DWG SIZE B

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ME10 v6.xx
b_border v0.1 PRINTED: xx/xx/95 xx:xx
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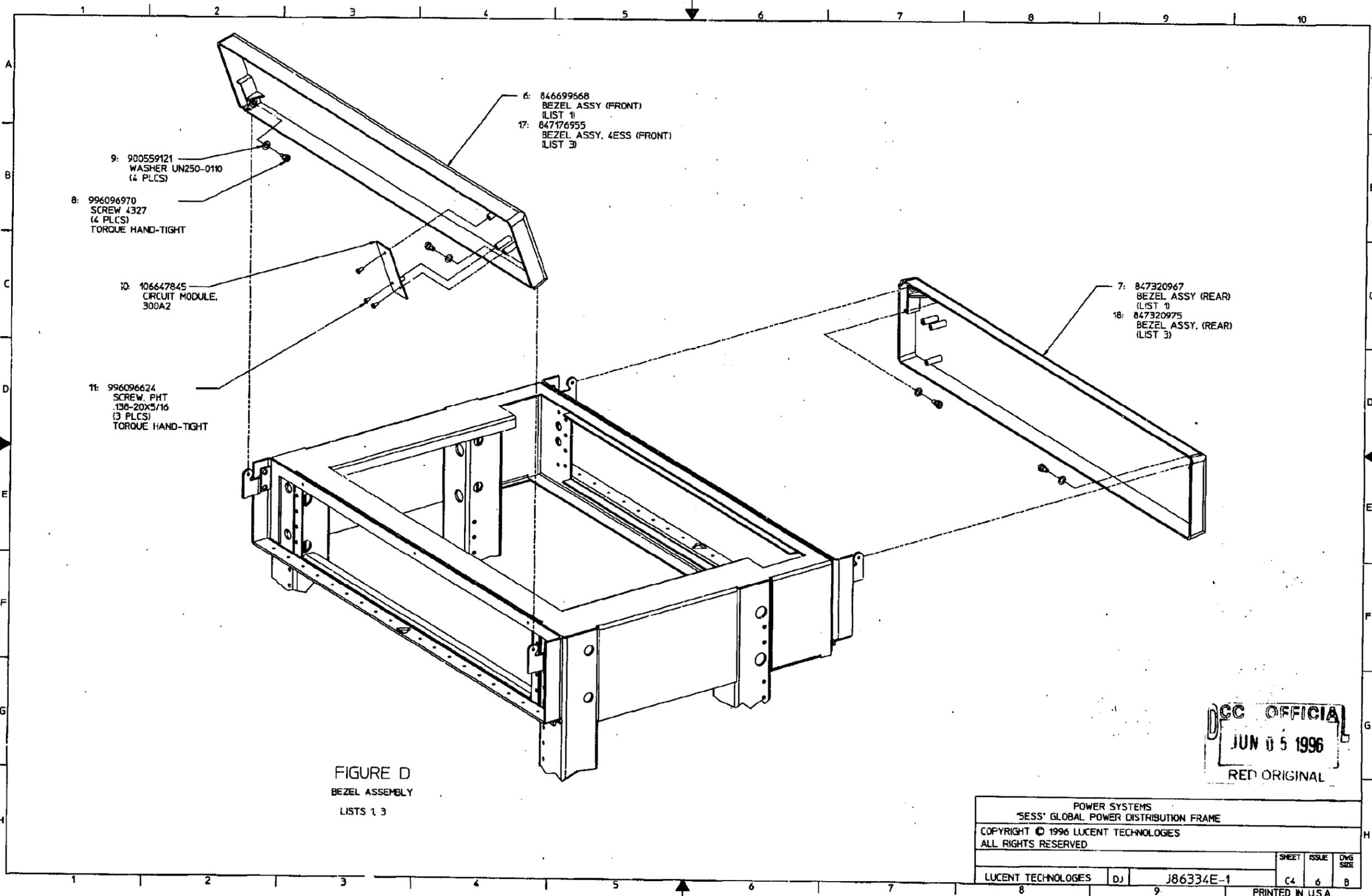


FIGURE D
BEZEL ASSEMBLY
LISTS 1, 3

DCC OFFICIAL
JUN 05 1996
RED ORIGINAL

POWER SYSTEMS "SESS" GLOBAL POWER DISTRIBUTION FRAME			
COPYRIGHT © 1996 LUCENT TECHNOLOGIES ALL RIGHTS RESERVED			
LUCENT TECHNOLOGIES	DJ	J86334E-1	PRINTED IN U.S.A.
SHEET	ISSUE	DNF	SIZE
C4	6	B	

FILE NAME: | daj86334e1-c5_11
 PRINTED: xx/xx/95 xx:xx
 b_border v0.1
 ME10 v6.xx

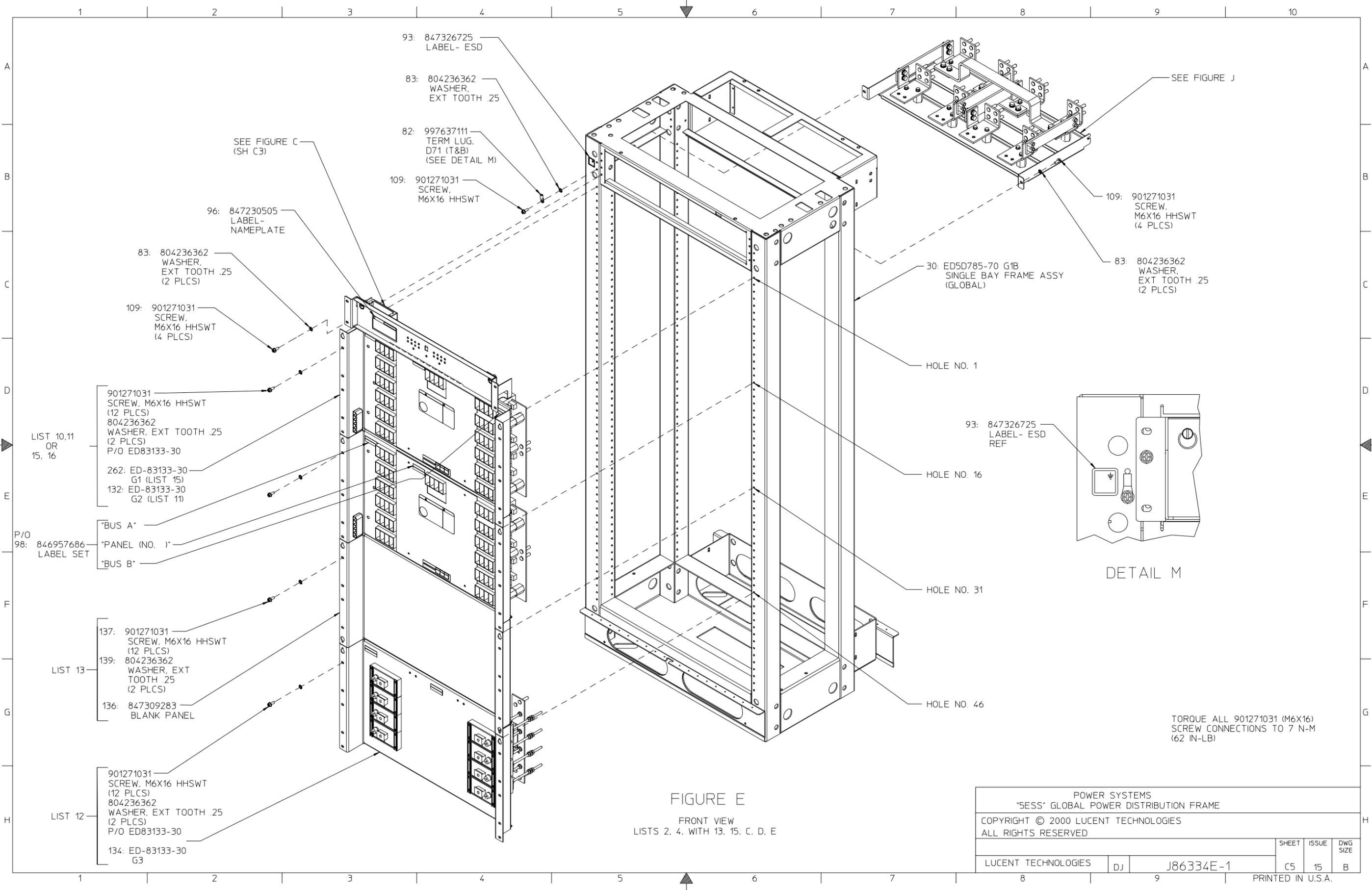


FIGURE E
 FRONT VIEW
 LISTS 2, 4, WITH 13, 15, C, D, E

POWER SYSTEMS			
"SESS" GLOBAL POWER DISTRIBUTION FRAME			
COPYRIGHT © 2000 LUCENT TECHNOLOGIES			
ALL RIGHTS RESERVED			
LUCENT TECHNOLOGIES	DJ	J86334E-1	PRINTED IN U.S.A.
	C5	15	B

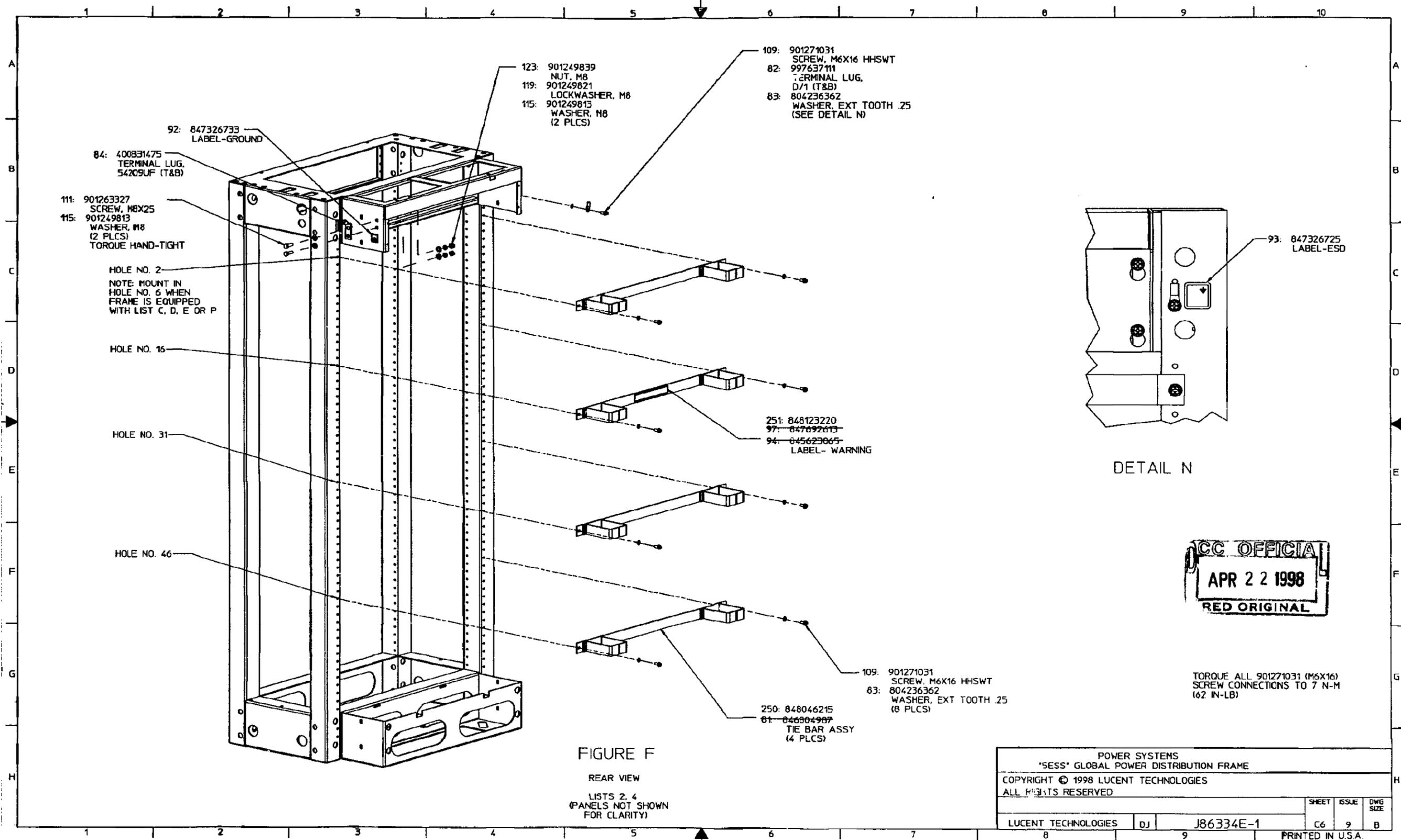
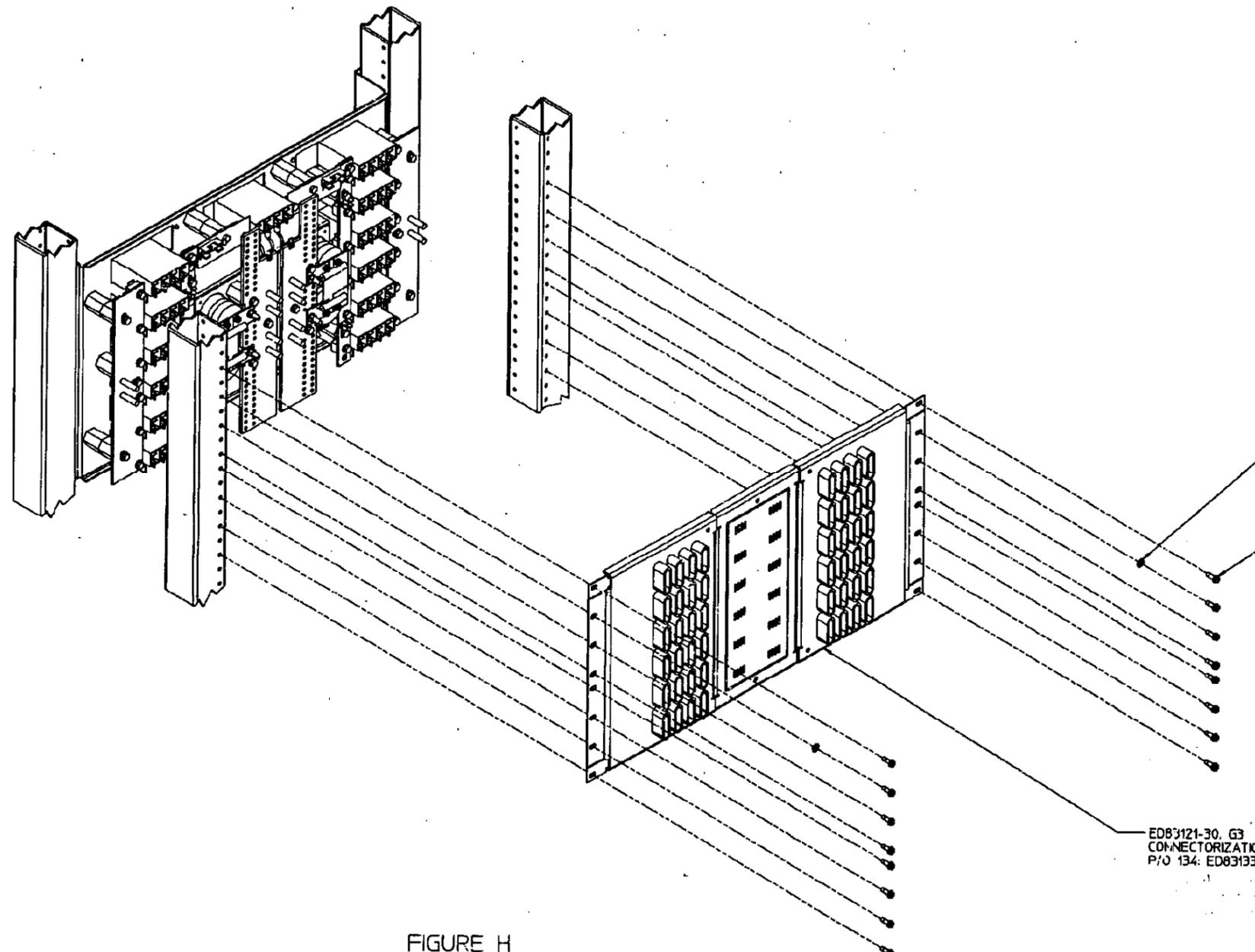


FIGURE F

REAR VIEW
LISTS 2, 4
(PANELS NOT SHOWN
FOR CLARITY)

POWER SYSTEMS "SESS" GLOBAL POWER DISTRIBUTION FRAME		
COPYRIGHT © 1998 LUCENT TECHNOLOGIES ALL RIGHTS RESERVED		
SHEET	ISSUE	DWG SIZE
LUCENT TECHNOLOGIES	DJ	J86334E-1
		C6 9 B
PRINTED IN U.S.A.		

ME10 V6.xx
 b_border v0.1
 PRINTED: xx/xx/95 xx:xx
 FILE NAME: djJ86334e1-c7_06



- 804236362
WASHER, EXT TOOTH .25
P/O ED83121-30
(2 PLCS)
- 901078717
SCREW, 12-24X5/8 HHSWT
TORQUE TO 4 N-M (35 IN-LB)
(FOR LIST 1 OR 3)
- 901271031
SCREW, HHSWT M6X16
TORQUE TO 7 N-M (62 IN-LB)
(FOR LIST 2 OR 4)
- P/O ED83121-30
(16 PLCS)

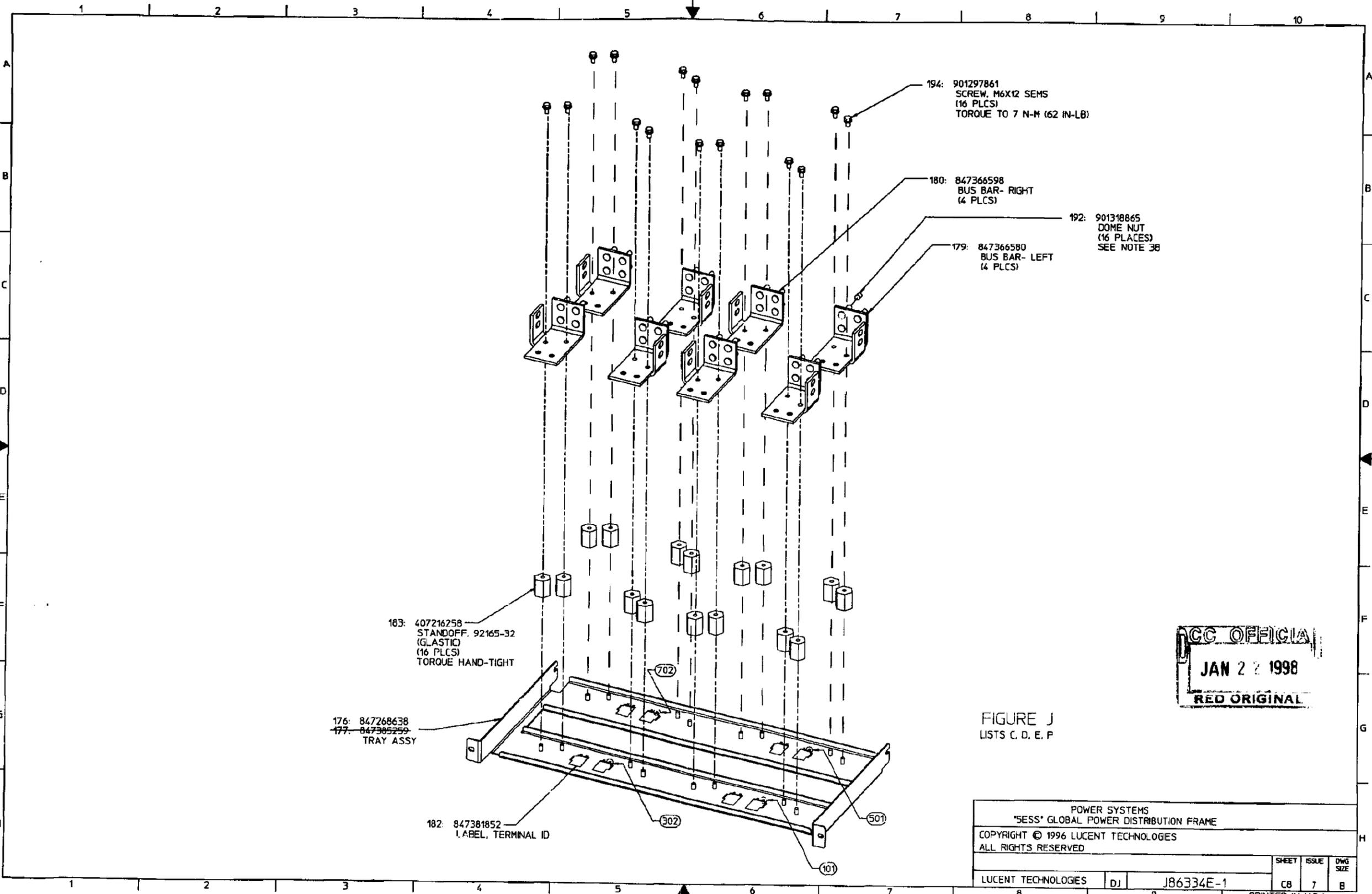
ED83121-30, G3
 CONNECTORIZATION PANEL
 P/O 134: ED83133-30, G3

JCC OFFICIAL
 JUN 05 1996
 RED ORIGINAL

FIGURE H
 REAR VIEW
 LISTS 1, 2, 3, 4 WITH 11

POWER SYSTEMS "SESS" GLOBAL POWER DISTRIBUTION FRAME		
COPYRIGHT © 1996 LUCENT TECHNOLOGIES ALL RIGHTS RESERVED		
LUCENT TECHNOLOGIES	DJ	J86334E-1
SHEET	ISSUE	DWG SIZE
C7	6	B
PRINTED IN U.S.A.		

MEIC V6.xx
b_border v0.1
PRINTED: xx/xx/95 xx:xx
FILE NAME: | da186334e1-c8_07



CCG OFFICIAL
JAN 22 1998
RED ORIGINAL

FIGURE J
LISTS C, D, E, F

POWER SYSTEMS			
"SESS" GLOBAL POWER DISTRIBUTION FRAME			
COPYRIGHT © 1996 LUCENT TECHNOLOGIES			
ALL RIGHTS RESERVED			
LUCENT TECHNOLOGIES	DJ	J86334E-1	SHEET ISSUE DWG SIZE C8 7 B
PRINTED IN U.S.A.			

ME10 v6.lxx
D_BORDER V0.1
PRINTED: xx/xx/95 xx:xx
FILE NAME: | ddj86334e1-c9_06

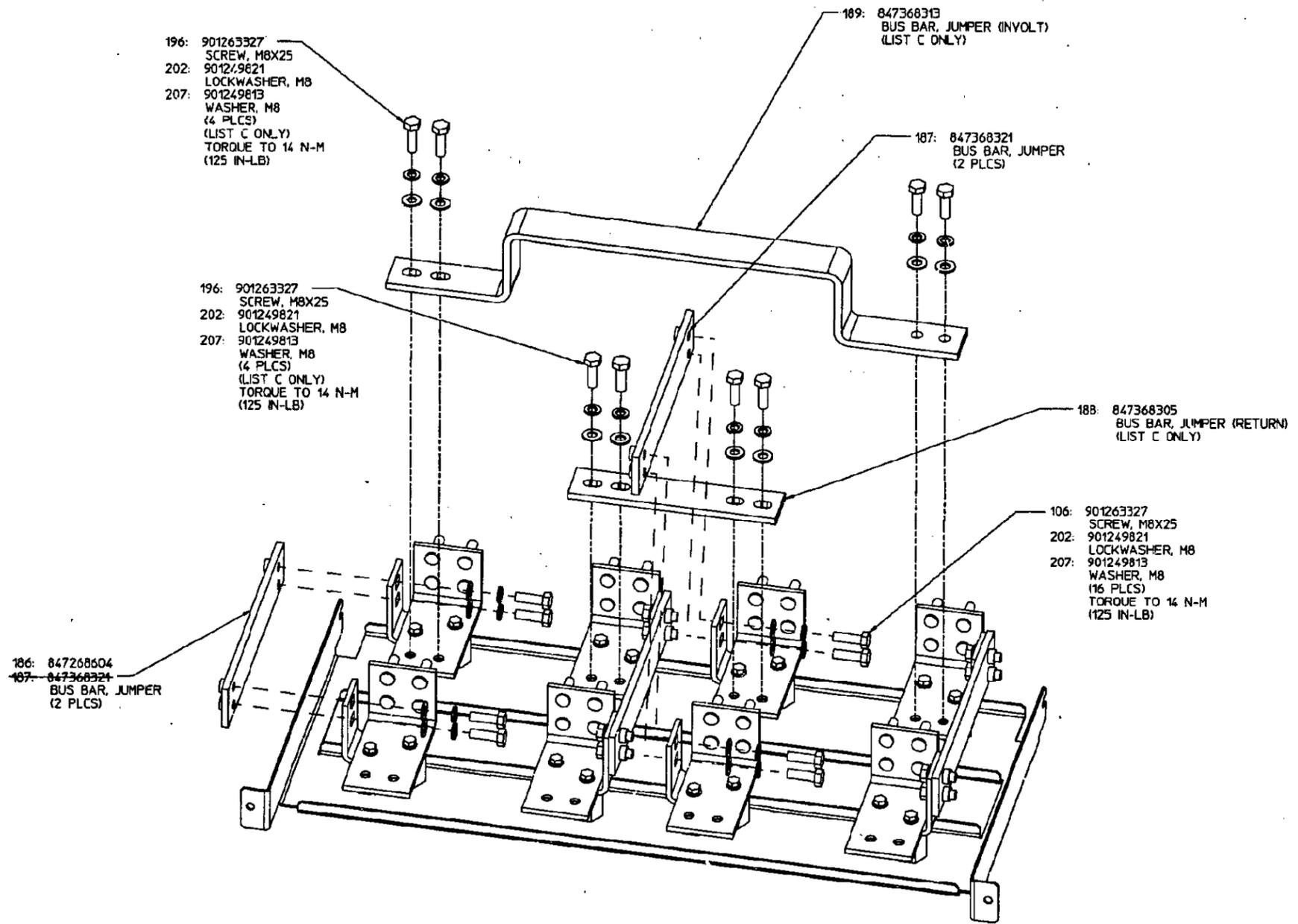


FIGURE K
LISTS C, D

CCC OFFICIAL
JUN 05 1996
RED ORIGINAL

POWER SYSTEMS			
"SESS" GLOBAL POWER DISTRIBUTION FRAME			
COPYRIGHT © 1996 LUCENT TECHNOLOGIES			
ALL RIGHTS RESERVED			
LUCENT TECHNOLOGIES		Dj	J86334E-1
SHEET		ISSUE	DWG SIZE
C9		6	B
PRINTED IN U.S.A.			

FILE NAME: j:\ddj\86334e1_c10
 PRINTED: 05/10/98 14:30
 b_border v0.1
 ME10 v6.xx

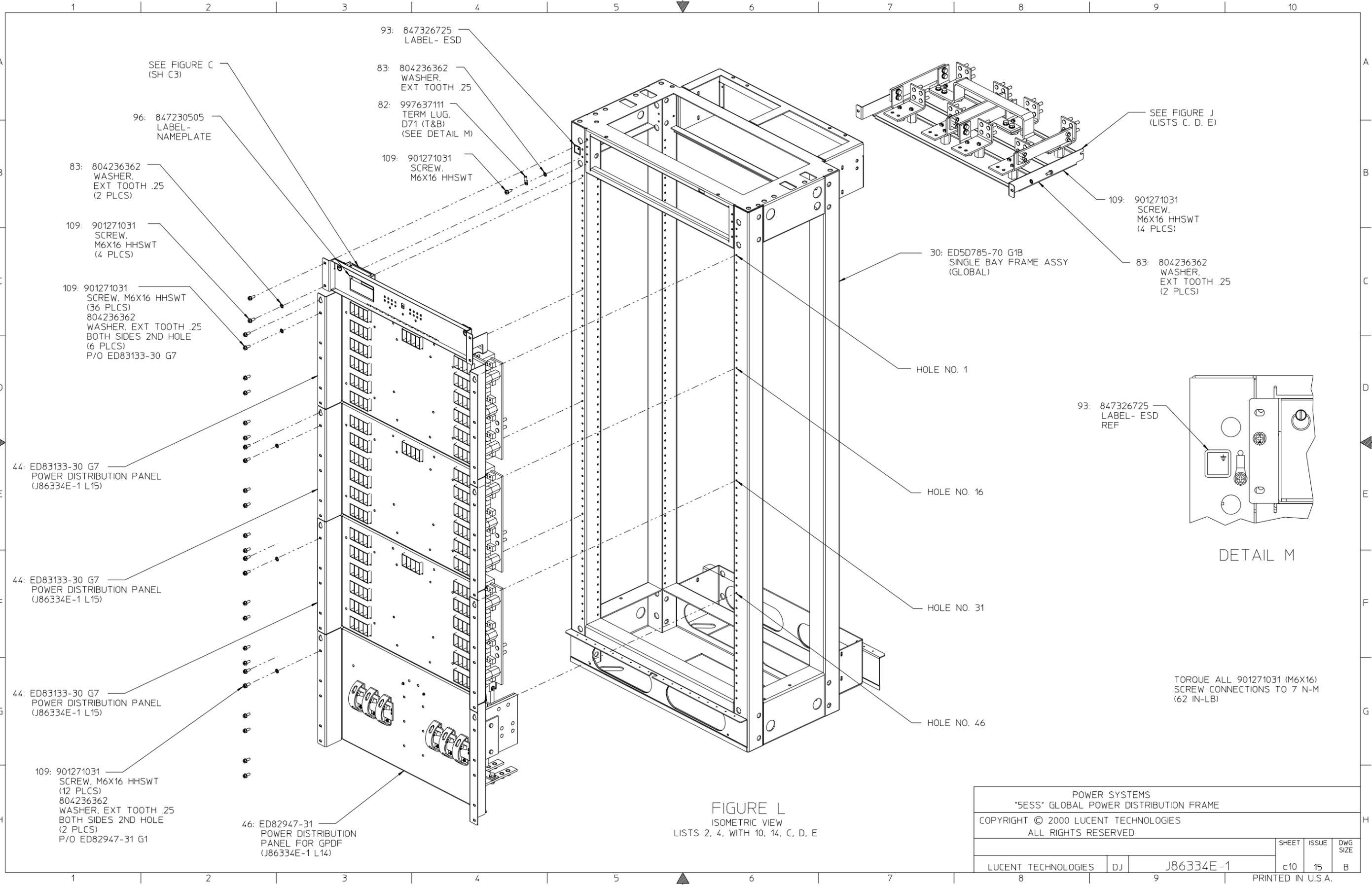


FIGURE L
 ISOMETRIC VIEW
 LISTS 2, 4, WITH 10, 14, C, D, E

TORQUE ALL 901271031 (M6X16) SCREW CONNECTIONS TO 7 N-M (62 IN-LB)

POWER SYSTEMS "SESS" GLOBAL POWER DISTRIBUTION FRAME			
COPYRIGHT © 2000 LUCENT TECHNOLOGIES ALL RIGHTS RESERVED			
LUCENT TECHNOLOGIES	DJ	J86334E-1	SHEET c10
			ISSUE 15
			DWG SIZE B
PRINTED IN U.S.A.			

STOCKLIST							
ITEM	A LIST	B QTY/LIST	C IDENTIFICATION NO.		E DESCRIPTION	F REF	G H NOTE SYM NO
			COMCODE	DRAWING			
A	1,3	1	601459885	ED5D184-74G3D	SINGLE BAY FRAME ASSY (CLASSIC)		
	2,3	2	845622976		DOOR ASSY		✗
B	6,1	1	846699668	846699668	BEZEL ASSY (FRONT)		
	7,1	1	847320967	847320967	BEZEL ASSY (REAR)		
	8,1,3	4	996096970		SCREW 4327		
	9,1,3	4	900559121		WASHER UN250-0110		
	10,1,3	1	106647845		CIRCUIT MODULE, 300A2		
	11,1,3	3	996096624		SCREW, PHT .138-20X5/16		
	12, DLT	1	847362241	847362241	SHIELD		26
	13,1,3	1	847311719		LABEL SET- GPDF ID		✗
C	17,3	1	847176955	847176955	BEZEL ASSY, 4ESS (FRONT)		
	18,3	1	847320975	847320975	BEZEL ASSY (REAR)		
	19,3,4	4	847309234		LABEL- CAUTION (GENERIC)		✗ 15
	20,3,4	4	847389160		LABEL- WARNING		✗ 15
	21,3,4	4	847309242		LABEL- FUSE SIZE		✗ 15
D	30,2,4	1	847272804	ED5D785-70G1B	SINGLE BAY FRAME ASSY (GLOBAL)		
	31,2	1	847265741		DOOR ASSY (5ESS)		✗
	32,4	1	847336625		DOOR ASSY (4ESS)		✗
E	37, DLT	1	847320900	847320900	SHIELD		26
	39,2,4	1	847306669		INDICATOR STRIP KIT (FRONT)		✗
	40,2,4	1	847306628		INDICATOR STRIP KIT (REAR)		✗
	41,2,4	1	847311750		LABEL SET- GPDF ID		✗
F	46,14	1		ED8294731G1	POWER DISTRIBUTION PANEL (GPDF)		
G	52, DLT		403580062		GROMMET SNGS 2 (RICHCO)		DLT 10
	53,1,2,3	1	847311685	847311685	ALARM FACEPLATE		
	4	1					
	54,1,2,3	1	107202129	107202129	ALARM CIRCUIT PACK 994A		
	4	1					
	55,1,2,3	1	843779406		BACKPLANE ASSY		25
	4	1					
H	56,1,2,3	2	103342119		APPARATUS MOUNTING, 127C		
	4	2					
	57,1,2,3	10	901276964		SCREW, M3X6		
	4	10					

STOCKLIST							
ITEM	A LIST	B QTY/LIST	C IDENTIFICATION NO.		E DESCRIPTION	F REF	G H NOTE SYM NO
			COMCODE	DRAWING			
	59,1,2,3	2	406480624		STUD, 82-16-260-16 (SOUTHCO)		
	4	2					
	60,1,2,3	2	900229352		WASHER, 82-46-101-41 (SOUTHCO)		
	4	2					
	61,1,2,3	2	401384904		RETAINER, 82-32-101-20 (SOUTHCO)		
	4	2					
	65,1,2,3	1	847275385	847275385	WIRESET- ALARMS		
	4	1					
	66,1,2,3	1	847275377	847275377	WIRESET- POWER		
	4	1					
	67,1,2,3	10	402244081		CABLE TIE		12
	4	10					
	68,1,2,3	5	400681599		CABLE TIE PLT2S-M		12
	4	5					
	69,1,2,3	2	406747535		FUSE, WP91768 L108 3 AMPS		30
	4	2					
	79, DLT		407140359		SPARE FUSE HOLDER, BK/5TPH (BUSSMANN)		DLT 23
	81, DLT		846804987	846804987	TIE BAR ASSY		DLT
	82,1,2,3	2	997637111		TERMINAL LUG, D71 (T&B)		
	4	2					
	83,1,2,3	12	804236362		WASHER, EXT TOOTH .25		
	4	12					
	84,1,2,3	1	400831475		TERMINAL LUG, 54209UF (T&B)		
	4	1					
	85,2,4	1	996607560		TERMINAL LUG, 54209 (T&B)		✗ 32
	92,1,2,3	1	847326733	847326733	LABEL- GROUND		
	4	1					
	93,1,2,3	2	847326725	847326725	LABEL- ESD		
	4	2					
	94, DLT		845623065	845623065	LABEL- FIELD WIRING		DLT
	96,1,2,3	1	847230505		LABEL- NAMEPLATE		20
	4	1					
	97, DLT		847692613	847692613	LABEL- WARNING		DLT
	98,1,2,3	1	846957686		LABEL SET- PANEL ID	NOTE 1	✗
	4	1					
	99, DLT		846504407	846504407	LABEL- WARNING/FEEDERS		DLT 60
	100,1,2,3	2	847254067		LABEL- POWER BAY		✗ 18
	4	2					
	101,1,2,3	4	847485760		LABEL- WARNING/FEEDERS		✗ 60
	4	4					
	103,1,2,3	1	846812204		DRAWING SERVICE KIT		✗
	4	1					
	104,1,2,3	1	407459148		FUSE PULLER, FP-A3		✗
	4	1					

STOCKLIST							
ITEM	A LIST	B QTY/LIST	C IDENTIFICATION NO.		E DESCRIPTION	F REF	G H NOTE SYM NO
			COMCODE	DRAWING			
	108,1,3	14	901078717		SCREW, 12-24X5/8 HHSWT		
	109,2,4	14	901271031		SCREW, M6X16 HHSWT		
	110, DLT		901248815		SCREW, M5X12 HHSWT		DLT
	111,1,2,3	2	901263327		SCREW, M8X25		
	4	2					
	115,1,2,3	4	901249813		WASHER, M8		
	4	4					
	119,1,2,3	2	901249821		LOCKWASHER, M8		
	4	2					
	123,1,2,3	2	901249839		NUT, M8		
	4	2					
	130,10	1		ED8313330G1	FILTER FUSE PANEL		
	132,11	1		ED8313330G2	CONNECTORIZED FILTER FUSE PANEL		
	134,12	1		ED8313330G3	HIGH-CURRENT FILTER FUSE PANEL		
	135,16	1		ED8313330 G8	FUSE PANEL (24 POSITIONS)		
	136,13	1	847309283	847309283	BLANK PANEL		
	137,13	12	901271031		SCREW, M6X16 HHSWT	NOTE 2	✗
	138,13	12	901078717		SCREW, 12-24X5/8 HHSWT	NOTE 2	✗
	139,13	2	804236362		WASHER, EXT TOOTH .25		✗
	148, A	-2	845622976	845622976	DOOR ASSY		✗
	150, B	-1	847265741	ED5D785-70 G 2A	DOOR ASSY (5ESS)		✗

SHEET INDEX	ISSUE	15	15						
	SH NO	D1	D2						
	ISSUE								
	SH NO								

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MATRIX VERSION 15

LUCENT TECHNOLOGIES	DJ	J86334E-1	SHEET	ISSUE	DWG SIZE
			D1	15	B

STOCKLIST								STOCKLIST								STOCKLIST										
ITEM	A LIST	B QTY/LIST	C IDENTIFICATION NO.		E DESCRIPTION	F REF	G H NOTE SYM NO		ITEM	A LIST	B QTY/LIST	C IDENTIFICATION NO.		E DESCRIPTION	F REF	G H NOTE SYM NO		ITEM	A LIST	B QTY/LIST	C IDENTIFICATION NO.		E DESCRIPTION	F REF	G H NOTE SYM NO	
			COMCODE	DRAWING								COMCODE	DRAWING								COMCODE	DRAWING				
153	BF	-1	847275377	847275377	WIRESET- POWER																					
154	BF	1	847275369	847275369	WIRESET- POWER (BOTTOM FEED)																					
157	K1	1	847320934		HARDWARE KIT, 5 MM2 (10 AWG)																					
159	K2	1	847348646		HARDWARE KIT, 6 MM2 (8 AWG)																					
161	K3	1	847381860		HARDWARE KIT, 5 MM2 (10 AWG) - FOR ONE POSITION																					
163	K4	1	847381878		HARDWARE KIT, 6 MM2 (8 AWG) - FOR ONE POSITION																					
164	K5	1	848516282		HARDWARE KIT, 6 MM2 (8 AWG)																					
173	DLT		847150059	847150059	LABEL - WARNING		DLT 29																			
176	C,D,E P	1	847268638	847268638	TRAY ASSY																					
177	DLT		847385259	847385259	TRAY ASSY		DLT																			
178	DLT		847366606	847366606	TRAY ASSY		DLT																			
179	C,D,E P	4	847366580	847366580	BUS BAR - LEFT																					
180	C,D,E P	4	847366598	847366598	BUS BAR - RIGHT																					
181	DLT		996564316		STANDOFF, 2165-1B (GLASTIC)		DLT																			
182	C,D,E P	1	847381852	847381852	LABEL, TERMINAL ID																					
183	C,D,E P	16	407216258		STANDOFF, 92165-32 (GLASTIC)																					
186	C,D	4	847268604	847268604	BUS BAR, JUMPER																					
187	DLT		847368321	847368321	BUS BAR, JUMPER		DLT																			
188	C	1	847368305	847368305	BUS BAR, JUMPER (RETURN)																					
189	C	1	847368313	847368313	BUS BAR, JUMPER (INVOLT)																					
192	P	16	901318865		DOME NUT		38																			
194	C,D,E P	16	901297861		SCREW, M6X12 SEMS																					
195	DLT		901724857		SCREW, .25 20X.625		DLT																			
196	D C	16	901263327		SCREW, M8X25																					
197	C,D,E P	4	901271031		SCREW, M6X16 HHSWT																					
201	DLT		801829557		LOCKWASHER, SPRING .25		DLT																			
202	D C	16	901249821		LOCKWASHER, M8																					
203	C,D,E	2	804236362		WASHER, EXT TOOTH .25																					
206	DLT		801098963		WASHER, .25		DLT																			
207	D C	16	901249813		WASHER, M8																					
209	E	2	847268612	847268612	BUS BAR, MESH GROUND (REAR)																					
210	C D,E	1	847268620	847268620	BUS BAR, MESH GROUND (FRONT)																					
211	C D	1	847366523		BUS EXTENSION, RETURN																					
212	C D	1	847366531		BUS EXTENSION, INVOLT																					
213	C D	2	847368362	847368362	INSULATING SLEEVE																					
214	DLT		847368339	847368339	BUS BAR, MESH GROUND (REAR)		DLT																			
215	DLT		847366549	847366549	BUS BAR, MESH GROUND (FRONT)		DLT																			
217	C D	2	901231399		SCREW, M4X12																					
218	C D	2	901230680		LOCKWASHER, M4																					
219	C D	4	901249821		LOCKWASHER, M8																					
220	C D	2	901230516		WASHER, M4																					
221	C D	4	901249813		WASHER, M8																					
222	C D	4	901263327		SCREW, M8X25																					
227	F	1	847366564	847366564	BUS BAR, FOR CONCENTRIC CABLES																					
228	F	4	901263327		SCREW, M8X25																					
229	F	4	901249821		LOCKWASHER, M8																					
230	F	4	901249813		WASHER, M8																					
235	G	1	847368354		CABLE SET- POSITION 1																					
236	H	1	847368644		CABLE SET- POSITION 2																					
237	J	1	847368651		CABLE SET- POSITION 3																					
238	M	1	847368669		CABLE SET- POSITION 4																					
239	G,H,J	8	901249821		LOCKWASHER, M8																					
240	G,H,J	8	901249813		WASHER, M8																					
241	G,H,J	8	901249839		NUT, M8																					
247	20	1		ED83133-30 G5	SPDF FILTER/FUSE PANEL ASSEMBLY																					
249	21	1		ED8313330G6	SPDF ALARM PANEL ASSEMBLY																					
250	1,2,3	4	848046215	848046215	TIE BAR ASSEMBLY																					
251	1,2,3	1	848123220	848123220	LABEL-WARNING																					
252	Q	2	848191045		WIRE/CABLE ASSEMBLY SET																					
253	R	2	848191029		WIRE/CABLE ASSEMBLY SET																					
254	S	2	848191011		WIRE/CABLE ASSEMBLY SET																					
255	Q,R,S	4	801273129		.375"-16 X 1" SCREW																					
256	Q,R,S	4	802286773		.375" LOCKWASHER																					
257	Q,R,S	4	901284547		M10 WASHER																					
258	Q,R,S	4	901284562		M10 X 35MM SCREW																					
259	Q,R,S	4	901284554		M10 LOCKWASHER																					
260	Q,R,S	8	901284547		M10 WASHER																					
261	Q,R,S	4	901264754		M10 NUT																					
262	15	1		ED83133-30 G7	FUSE PANEL (48 POSITIONS)																					
263	10,15	50	4																							

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209: 847268612
~~244: 847368339~~
 BUS BAR,
 MESH GROUND (REAR)
 (2 PLCS FOR LIST E)

210: 847268620
~~245: 847366549~~
 BUS BAR,
 MESH GROUND (FRONT)
 (1 PLC FOR LIST C)
 (2 PLCS FOR LIST D OR E)

217: 901231399
 SCREW, M4X12
 218: 901230680
 LOCKWASHER, M4
 220: 901230516
 WASHER, M4
 (2 PLCS FOR LIST C)
 (4 PLCS FOR LIST D)
 (8 PLCS FOR LIST E)
 TORQUE TO 2 N-M
 (18 IN-LB)

211: 847366523
 BUS EXTENSION, RETURN
 (1 PLC FOR LIST C)
 (2 PLCS FOR LIST D)
 (4 PLCS FOR LIST E OR P)

213: 847368362
 INSULATING SLEEVE
 (2 PLCS FOR LIST C)
 (4 PLCS FOR LIST D)
 (8 PLCS FOR LIST E)

227: 847366564
 BUS BAR,
 FOR CONCENTRIC CABLES
 (LIST F)

228: 901263327
 SCREW, M8X25
 229: 901249821
 LOCKWASHER, M8
 230: 901249813
 WASHER, M8
 (4 PLCS)
 (LIST F)
 TORQUE TO 14 N-M
 (125 IN-LB)

222: 901263327
 SCREW, M8X25
 219: 901249821
 LOCKWASHER, M8
 221: 901249813
 WASHER, M8
 (4 PLCS FOR LIST C)
 (8 PLCS FOR LIST D)
 (16 PLCS FOR LIST E OR P)
 TORQUE TO 14 N-M
 (125 IN-LB)

212: 847366531
 BUS EXTENSION, INVOLT
 (1 PLC FOR LIST C)
 (2 PLCS FOR LIST D)
 (4 PLCS FOR LIST E OR P)

FIGURE 7
 BUS BAR EXTENSION
 INSTALLATION
 LISTS C, D, E, F, P

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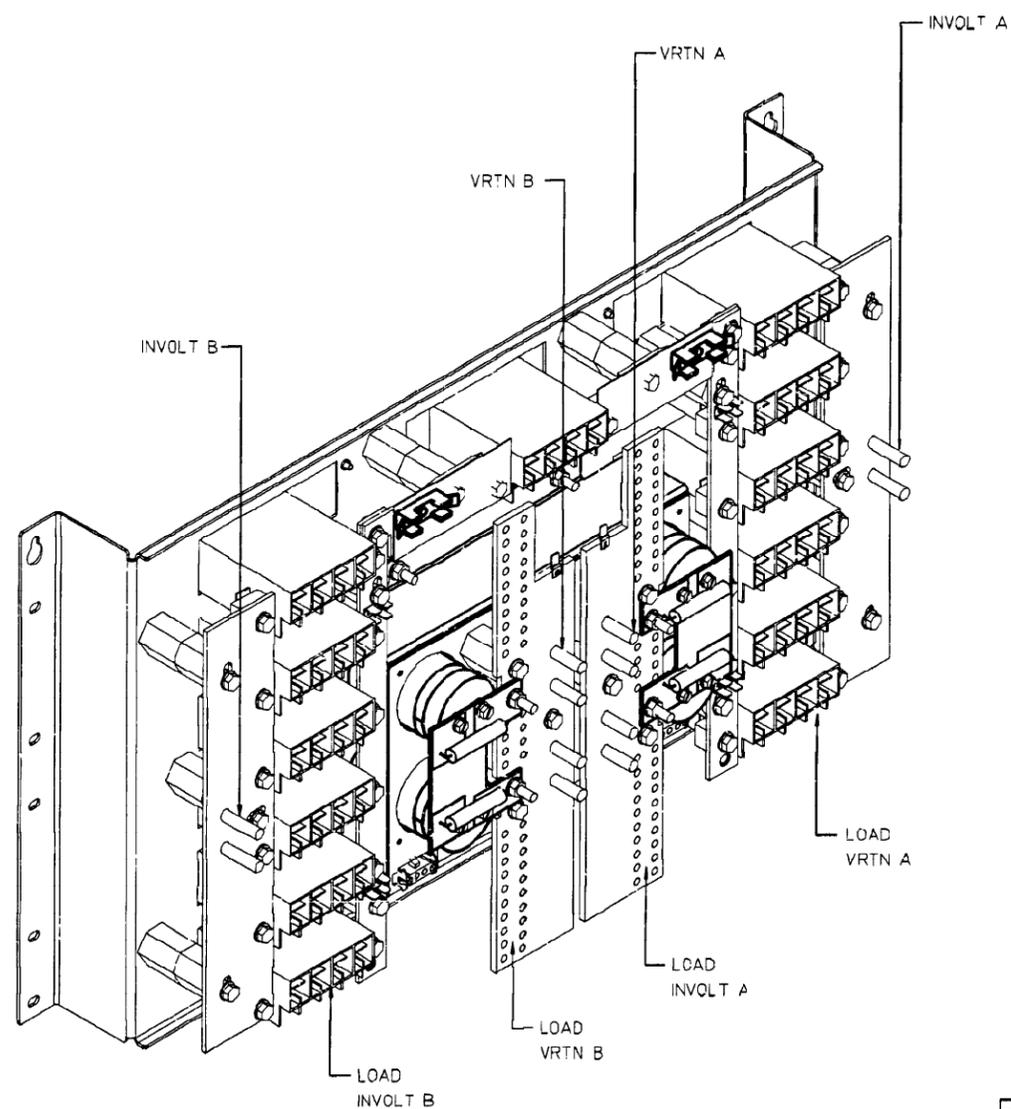


FIGURE 9
 LIST 10
 (FUSE PANEL)

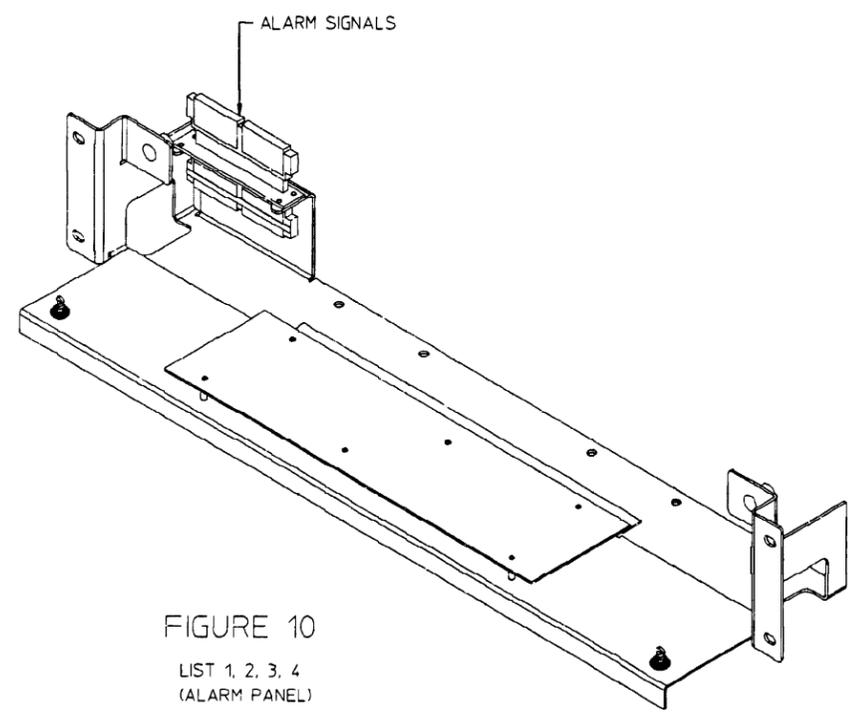
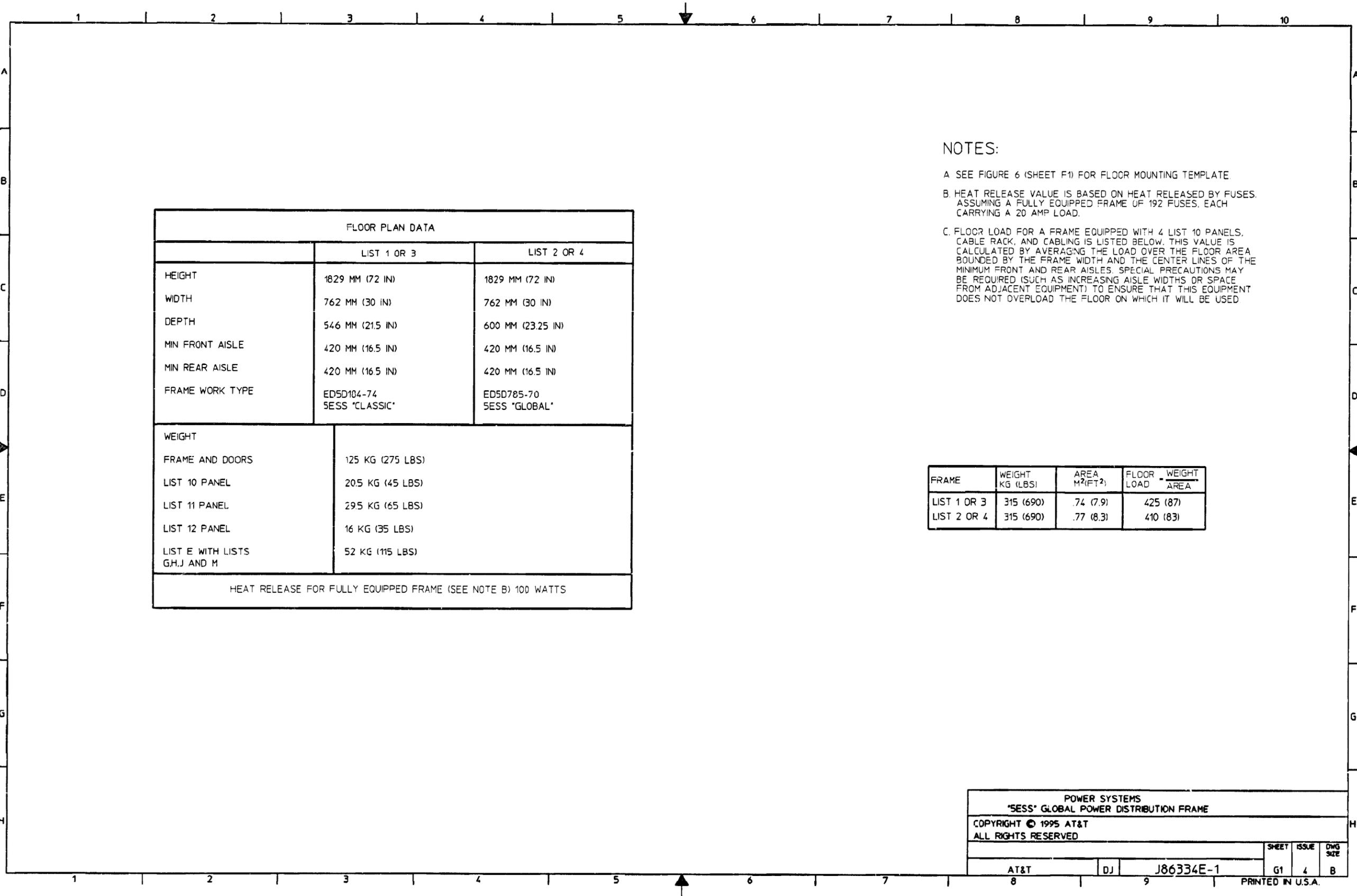


FIGURE 10
 LIST 1, 2, 3, 4
 (ALARM PANEL)

FIELD CONNECTION POINTS

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FLOOR PLAN DATA		
	LIST 1 OR 3	LIST 2 OR 4
HEIGHT	1829 MM (72 IN)	1829 MM (72 IN)
WIDTH	762 MM (30 IN)	762 MM (30 IN)
DEPTH	546 MM (21.5 IN)	600 MM (23.25 IN)
MIN FRONT AISLE	420 MM (16.5 IN)	420 MM (16.5 IN)
MIN REAR AISLE	420 MM (16.5 IN)	420 MM (16.5 IN)
FRAME WORK TYPE	ED5D104-74 SESS "CLASSIC"	ED5D785-70 SESS "GLOBAL"
WEIGHT		
FRAME AND DOORS	125 KG (275 LBS)	
LIST 10 PANEL	20.5 KG (45 LBS)	
LIST 11 PANEL	29.5 KG (65 LBS)	
LIST 12 PANEL	16 KG (35 LBS)	
LIST E WITH LISTS G,H,J AND M	52 KG (115 LBS)	
HEAT RELEASE FOR FULLY EQUIPPED FRAME (SEE NOTE B) 100 WATTS		

NOTES:

- A SEE FIGURE 6 (SHEET F1) FOR FLOOR MOUNTING TEMPLATE
- B HEAT RELEASE VALUE IS BASED ON HEAT RELEASED BY FUSES. ASSUMING A FULLY EQUIPPED FRAME OF 192 FUSES, EACH CARRYING A 20 AMP LOAD.
- C FLOOR LOAD FOR A FRAME EQUIPPED WITH 4 LIST 10 PANELS, CABLE RACK, AND CABLING IS LISTED BELOW. THIS VALUE IS CALCULATED BY AVERAGING THE LOAD OVER THE FLOOR AREA BOUNDED BY THE FRAME WIDTH AND THE CENTER LINES OF THE MINIMUM FRONT AND REAR AISLES. SPECIAL PRECAUTIONS MAY BE REQUIRED (SUCH AS INCREASING AISLE WIDTHS OR SPACE FROM ADJACENT EQUIPMENT) TO ENSURE THAT THIS EQUIPMENT DOES NOT OVERLOAD THE FLOOR ON WHICH IT WILL BE USED

FRAME	WEIGHT KG (LBS)	AREA M ² (FT ²)	FLOOR LOAD WEIGHT / AREA
LIST 1 OR 3	315 (690)	.74 (7.9)	425 (87)
LIST 2 OR 4	315 (690)	.77 (8.3)	410 (83)

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