

ENGINEERING NOTES

51. INFORMATION FURNISHED PER THIS DRAWING IS IN ACCORDANCE WITH AT&T PRACTICES-NONE.
52. THIS DOCUMENT CONTAINS COMPLETE ENGINEERING INFORMATION FOR THE SUBJECT EQUIPMENT. JOB INFORMATION SHALL BE RECORDED BY LIST OR GROUP.
53. LISTS A, B, & C ARE MUTUALLY EXCLUSIVE.
54. WHEN TWO 2096A DATA SETS ARE ORDERED, TO BE USED FOR DUPLICATE DAS/C OR RTRS LINKS, ONE DATA SET SHOULD BE POWERED FROM THE FIRST INVERTER AND THE SECOND DATA SET SHOULD BE POWERED FROM THE SECOND INVERTER. THIS IS DONE TO INSURE MAXIMUM RELIABILITY OF THE LINK.
55. GANDALF RM3120 ASYNCHRONOUS DATA SETS ARE USED FOR THE FOLLOWING APPLICATIONS: HOTEL BILLING INFORMATION CENTER (HOBIC), HOTEL BILLING INFORMATION SYSTEM, (HOBIS), AND OSPS ADMINISTRATIVE PROCESSOR (OAP).
56. GANDALF RM3309 SYNCHRONOUS DATA SETS ARE USED FOR THE FOLLOWING APPLICATIONS: AUTOMATED MULTI-LEAF BULLETIN (AMLB).
57. GANDALF RM3120 AND RM3309 DATA SETS MAY BE MIXED IN THE SAME 3000K AD DATA SET RACK. THE MAXIMUM NUMBER OF DATA SETS PER RACK IS 14.
58. \$2096A DATA SETS ARE USED FOR THE FOLLOWING APPLICATIONS: DIRECTORY ASSISTANCE SYSTEMS/COMPUTER, (DAS/C), AND REAL-TIME RATING SYSTEM (RTRS).\$
59. \$1A02 MODEMS (4000 DATA SETS) ARE USED FOR THE FOLLOWING: APPLICATIONS: AUTOQUOTE (AQ).\$
60. DATA SET CABINET IS TO BE LINE ENGINEERED. FIGURE 1 IS SHOWN AS A TYPICAL ARRANGEMENT. DATA SETS, MODEMS, AND RACKS MAY BE ARRANGED IN VARIOUS LOCATIONS TO ACCOMODATE JOB CONDITIONS.
61. MAXIMUM CURRENT DRAIN ALLOWED FOR EACH -48V DC TO 115V AC WP91652L21 INVERTER IS 8.3 AMPS.
64. FAR END DATA SETS SHOULD BE THE SAME AS DATA SETS SPECIFIED IN THE OSPS DATA SET CABINET.
65. FOR RECOMMENDED DATA SETS AND CURRENT DRAINS SEE TABLE C.
66. COMCODES FOR STAND ALONE DATA SETS IN TABLE B ARE AS FOLLOWS:  

LDS 120	405531815
LDM 419	405531807
LDS 309A	405450552
LH 96	405618588
T18SA-T1	405777442
67. SEE ED5D621-11, G8A FOR ALARM CABLE.
68. KS22291 POWER STRIPS ARE EQUIPPED WITH HUBBELL CAT NO. 7595 MALE CONNECTOR ON INPUT POWER CONNECTOR.
69. IF OFFICE IS ORDERED AFTER SEPTEMBER 27, 1986, LIST D SHOULD NOT BE SPECIFIED FOR OFFICE GROWTH SINCE ALL OFFICES SHIPPING AFTER THE ABOVE DATE WILL BE EQUIPPED WITH IMPROVED CABINETS.
70. LIST H SPECIFIES DOORS AND GASKETING MATERIAL TO PROVIDE ELECTROMAGNETIC COMPATIBILITY TREATMENT FOR APPLICATIONS SENSITIVE TO RADIO/TV INTERFERENCE SUCH AS PBX, RSM/ORM/TRM IN RESIDENTIAL AREAS AND OTHER CUSTOMER PREMISE APPLICATIONS. ADDITIONAL MATERIAL REQUIRED TO COMPLETE THE EMC INSTALLATION  

----- CONTINUED ON NEXT SHEET -----

ISSUE NOTES (CONTINUED)

STOCKLIST ITEMS 1352,1353,1354 MODIFIED. ITEM 1900 LINED-OUT; ITEM 1960 ADDED. TABLE B AND C MODIFIED. SHEET B3 FIG. C ADDED; SHEET B6 FIG. D MODIFIED. SHEET B4 FIG. 2 MODIFIED. LINEOUT ITEM 1910; ITEM 1915 ADDED; TABLE A LISTS 35 AND 54 ARE RATED DA; LIST 36 IS MODIFIED.

ORIG ISS: 04/11/89 CHANGE CLASS: M

DRAFT: WFB	ENGR: WFB	SUPV: JZG	CERTIFIED: 12/15/95	ISSUE: 10
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DA GROUP 28A AND STOCKLIST ITEMS 1097, 1100, 1104 AND ADD GROUP 28B AND STOCKLIST ITEMS 1098, 1099 AND RETAIN 1108.

ORIG ISS: 04/11/89 CHANGE CLASS: ME

DRAFT: WFB	ENGR: WFB	SUPV: JZG	CERTIFIED: 10/15/96	ISSUE: 11
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DA GROUP 28B AND STOCKLIST 1108, AND ADD GROUP 28C AND STOCKLIST ITEM 1109, RETAIN STOCKLIST ITEMS 1096, 1098, 1099.

ORIG ISS: 04/11/89 CHANGE CLASS: ME

DRAFT: WFB	ENGR: WFB	SUPV: RM	CERTIFIED: 12/13/96	ISSUE: 12
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ISSUE NOTES

ORIG ISS: 04/11/89 CHANGE CLASS:

DRAFT: DSL	ENGR: JJR	SUPV:	CERTIFIED: 04/11/89	ISSUE: 1
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SL ITEM 1130 READ 401509773. NOTES 62 & 63 REMOVED, LIST G REMOVED FROM TABLE A. KS CORD REMOVED FROM REAR VIEW. SL ITEM 1650 REMOVED.

ORIG ISS: 04/11/89 CHANGE CLASS: M

DRAFT: PKK	ENGR: JJR	SUPV:	CERTIFIED: 11/21/89	ISSUE: 2
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LIST G; SL ITEMS 1650 THRU 1700 ADDED. LISTS 34 AND D WERE STANDARD. IN STOCKLIST, LINED OUT ITEMS 1106, 1130, 1180, 1190, AND 1510; ADDED ITEMS 1108, 1134, 1184, 1188, AND 1514. ADDED ENGINEERING NOTE 72.

ORIG ISS: 04/11/89 NDD NBR: NDD5D003NW-307 CHANGE CLASS: M

DRAFT: TMR	ENGR: TMR	SUPV: EJZ	CERTIFIED: 10/22/92	ISSUE: 3
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NOTES 58 & 59 LINED OUT, NOTES 73 TO 77 ADDED, LIST 29 READ "IN ADDITION TO LIST 29", LISTS 30,36,37,38 & 41 RATING WAS "STANDARD" LISTS 42 THRU 54 ADDED; NOTE 15 ADDED; SL LINES 1050, 1134,1184,1188 & 1514 REF TO NOTE S ADDED 1310 & 1320 LINED OUT; TABLE B RATING WAS "STANDARD", TABLE C ADDED.

ORIG ISS: 04/11/89 NDD NBR: NDD5D003NW-375 CHANGE CLASS: MF

DRAFT: TMR	ENGR: TMR	SUPV: PK	CERTIFIED: 03/01/93	ISSUE: 4
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SL ITEM 1690 QTY READ "2", ITEMS 1691 & 1910 THRU 1940 ADDED. IN TABLE A ADDED LIST J AND IN STOCKLIST ADDED ITEM 1950. (PKK) IN ST ADDED ITEMS 1353,1354,1363,1364,1681 AND 1682.

ORIG ISS: 04/11/89 NDD NBR: NDD5D003NW-398 CHANGE CLASS: ME

DRAFT: TMR	ENGR: TMR	SUPV: PK	CERTIFIED: 08/11/93	ISSUE: 5
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SHEETS B4, B5 & B6 UPDATED.

ORIG ISS: 04/11/89 CHANGE CLASS: ME

DRAFT: TMR	ENGR: TMR	SUPV: PK	CERTIFIED: 08/25/93	ISSUE: 6
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IN ST LINED OUT ITEM 1290 AND ADDED ITEM 1295.

ORIG ISS: 04/11/89 CHANGE CLASS: M

DRAFT: PKK	ENGR: PKK	SUPV:	CERTIFIED: 01/13/94	ISSUE: 7
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PI7.1-MODIFIED FIG. D.

ORIG ISS: 04/11/89 CHANGE CLASS: M

DRAFT: PKK	ENGR: PKK	SUPV:	CERTIFIED: 03/17/94	ISSUE: 8
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CN C44511NW=IN TABLE A DA'ED LIST 28 AND ADDED LIST 28A. IN ST ADDED ITEM 1097 AND MODIFIED ITEMS 1096,1100,1102,1104 AND 1108. CHANGED "DA EFF" DATE PER DANTS. P11=REQUEST FOR CHANGE TO BULK COMCODE FOR ST 1270.

ORIG ISS: 04/11/89 CHANGE CLASS: AU

DRAFT: PKK	ENGR: PKK	SUPV:	CERTIFIED: 04/12/94	ISSUE: 9
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5ESS SWITCHING EQUIPMENT SPECIFICATION FOR OSPS DATA SET CABINET FOR RLSU APPLICATIONS	BT13	
DWG SIZE C2	ISSUE 12	
LUCENT TECHNOLOGIES INC J5D003K-3		SHEET A1 OF 13

TABLE A-FEATURES

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
FRAMEWORK, ASSEMBLY AND EQUIPMENT FOR ONE OSPS DATA SET CABINET.			27								
EQUIPMENT REQUIRED IN ADDITION TO LIST 27 TO PROVIDE ONE 1KVA INVERTER. (MAX TWO LIST 28) (SEE NOTES 61 & 68). DA EFF:04/12/94 FE:J5D003K-3,L28A		DA	28								
EQUIPMENT REQUIRED IN ADDITION TO LIST 27 TO PROVIDE ONE 1KVA INVERTER WITH OVER VOLTAGE PROTECTION. (MAX TWO LIST 28A). DA EFF:10/15/96 FE:J5D003K-3,L28B		DA	28A								
EQUIPMENT REQUIRED IN ADDITION TO LIST 28B TO PROVIDE ONE 1KVA INVERTER WITH OVER VOLTAGE PROTECTION. (MAX TWO LIST 28B). DA EFF:12/12/96 FE:J5D003K-3,L28C		DA	28B								
EQUIPMENT REQUIRED IN ADDITION TO LIST 28C TO PROVIDE ONE 1KVA INVERTER WITH OVER VOLTAGE PROTECTION. (MAX TWO LIST 28C). REPL:J5D003K-3 L28B			28C								
EQUIPMENT REQUIRED IN ADDITION TO LIST 27 TO PROVIDE ONE KS20018,L9D SHELFP. REPL:NONE			29								
EQUIPMENT REQUIRED IN ADDITION TO LIST 29 TO PROVIDE ONE 44A2 & 63A2 DATA MTG AND ONE 2096A DATA SET & ONE 829C DATA AUX SET. DA EFF:02/26/93 FE:J5D003K-3,L42	54 58 72 77	DA	30								
EQUIPMENT REQUIRED IN ADDITION TO LIST 27 TO PROVIDE ONE LDS 3000K AD DATA SET RACK. (SEE NOTE 57).			31								
EQUIPMENT REQUIRED IN ADDITION TO LIST 31 TO PROVIDE ONE RM3120 DATA SET UNIT. (SEE NOTE 55,57).			32								
EQUIPMENT REQUIRED IN ADDITION TO LIST 31 TO PROVIDE ONE RM3309 DATA SET UNIT. (SEE NOTE 56,57).			33								
EQUIPMENT REQUIRED IN ADDITION TO LIST 29 TO PROVIDE ONE 1A02 MODEM. DA EFF:12/01/87 FE/RA:NONE		DA	34								
EQUIPMENT REQUIRED IN ADDITION TO LIST 27 TO PROVIDE ONE 46A2 DATA MOUNTING. DA EFF:12/05/95 FE/RA:NONE	72 77	DA	35								
EQUIPMENT REQUIRED IN ADDITION TO LIST 35 TO PROVIDE ONE 829C DATA AUX SET. MAXIMUM 8 DAS PER MOUNTING. DA EFF:12/05/95 FE:J5D003K-3,L42 FE:J5D003K-3,L43	77	DA	36								
EQUIPMENT REQUIRED IN ADDITION TO LIST 27 TO PROVIDE ONE 64A3 DATA MOUNTING. DA EFF:02/26/93 FE:J5D003K-3,L42	72 77	DA	37								
EQUIPMENT REQUIRED IN ADDITION TO LIST 37 TO PROVIDE ONE 2096A DATA SET. MAXIMUM 8 DATA SETS PER MOUNTING. DA EFF:02/26/93 FE:J5D003K-3,L42	72 77	DA	38								

TABLE-A CONTINUED

ENGINEERING NOTES

\*\*\*\*\* CONTINUED \*\*\*\*\*

CAN BE ORDERED FROM ED5D184-76.

- 71. LISTS G AND H ARE MUTUALLY EXCLUSIVE.
- 72. DATA SETS AND MOUNTINGS ORDERED BY THIS LIST ARE REFURBISHED EQUIPMENT.
- 73. LIST 50, LIST 51 AND LIST 53 MAY BE COMBINED IN THE SAME CARRIER, (LIST 45), WITH A MAXIMUM COMBINED TOTAL OF 16.
- 74. PROVIDE ONE LIST 29 FOR EACH THREE LIST 42 OR LIST 44 OR LIST 52 OR COMBINATION THEREOF.
- 75. WHEN TWO 3600 OR 3800 SERIES DATA SETS ARE ORDERED TO BE USED FOR DUPLICATE REAL TIME RATING SYSTEM (RTRS) LINKS, ONE DATA SET SHOULD BE POWERED FROM THE FIRST INVERTER AND THE SECOND DATA SET SHOULD BE POWERED FROM THE SECOND INVERTER TO INSURE MAXIMUM LINK RELIABILITY.
- 76. PROVIDE ONE LIST 29 FOR EACH TWO LIST 54.
- 77. FUNCTIONAL EQUIVALENTS FOR THIS LIST MAY BE LIST 42, 43, 44, 52 OR 54.

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BT13

5ESS SWITCHING EQUIPMENT  
SPECIFICATION FOR  
OSPS DATA SET CABINET  
FOR RLSLU APPLICATIONS

DWG SIZE C2 ISSUE 12

LUCENT TECHNOLOGIES INC J5D003K-3

SHEET A2 OF 13

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	OPT	
EQUIPMENT REQUIRED IN ADDITION TO LIST 27 TO PROVIDE ONE RM16M DATA SET RACK.			39									
EQUIPMENT REQUIRED IN ADDITION TO LIST 39 TO PROVIDE ONE PASTRAK 96 DATA SET. MAXIMUM 16 DATA SETS PER RACK.			40									
EQUIPMENT REQUIRED IN ADDITION TO LIST 29 TO PROVIDE ONE 202T DATA SET. DA EFF:02/26/93 FE:J5D003K-3,L42	77	DA	41									
EQUIPMENT REQUIRED IN ADDITION TO LIST 29. PROVIDES ONE 3610 STANDALONE DATA SET UNIT (DSU) WITHOUT DIAL BACKUP MODEM (DBM). REPL:J5D003K-3,L36			42	1				SD5D135-01	AS10			
REQUIRED IN ADDITION TO LIST 42 OR LIST 50. PROVIDES ONE DIAL BACKUP MODEM (DBM) FOR 3610 OR 3611 DATA SET UNITS (DSU). (FIELD MODIFICATION). REPL:J5D003K-3,L36 REPL:J5D003K-3,L54	65 76		43									
EQUIPMENT REQUIRED IN ADDITION TO LIST 29. PROVIDES ONE 3610 STANDALONE DATA SET UNIT (DSU) WITH DIAL BACKUP MODEM (DBM). REPL:J5D003K-3,L36			44									
EQUIPMENT REQUIRED IN ADDITION TO LIST 27. PROVIDES ONE RACK MOUNTED 3000 SERIES CARRIER UNIT (INCLUDES 115V AC POWER MODULE). REPL:J5D003K-3,L31			45									
EQUIPMENT REQUIRED IN ADDITION TO LIST 45. PROVIDES ONE FAN MODULE. REPL:NONE			46									
EQUIPMENT REQUIRED IN ADDITION TO LIST 45. PROVIDES ONE SHARED DIAGNOSTIC CONTROL PANEL. REPL:NONE			47									
EQUIPMENT REQUIRED IN ADDITION TO LIST 45. PROVIDES ONE DIAL NETWORK INTERFACE. (CKTS 1-8). REPL:NONE			48									
EQUIPMENT REQUIRED IN ADDITION TO LIST 45. PROVIDES ONE DIAL NETWORK INTERFACE. (CKTS 9-16). REPL:NONE			49									
EQUIPMENT REQUIRED IN ADDITION TO LIST 45. PROVIDES ONE 3611 RACK MOUNT DATA SET UNIT (DSU) WITHOUT DIAL BACKUP MODEM (DBM). (MAX. 16 LIST 50 PER LIST 45). REPL:NONE	70		50	1				SD5D135-01	AS10			
EQUIPMENT REQUIRED IN ADDITION TO LIST 45. PROVIDES ONE 3611 RACK MOUNT DATA SET UNIT (DSU) WITH DIAL BACKUP MODEM (DBM). (MAX. 16 LIST 51 PER LIST 45). REPL:NONE	70		51	1				SD5D135-01	AS10			
EQUIPMENT REQUIRED IN ADDITION TO LIST 29. PROVIDES ONE 3810 STANDALONE DATA SET UNIT (DSU) REPL:NONE	65 74		52	1				SD5D135-01	AS4 AS4A			
EQUIPMENT REQUIRED IN ADDITION TO LIST 45. PROVIDES ONE 3811 DATA SET UNIT (DSU). REPL:NONE	65 73		53	1				SD5D135-01	AS4 AS4A			

TABLE-A CONTINUED

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	OPT	
EQUIPMENT REQUIRED IN ADDITION TO LIST 29. PROVIDES ONE 3480 COMSPHERE 19.2 STANDALONE POINT-TO-POINT MODEM (PTP). REPL:NONE DA EFF:12/05/95 FE:J5D003K-3,L43	65 76	DA	54									
EQUIPMENT REQUIRED IN ADDITION TO LIST 27 FOR ALL NEW ORDERS WITH THE EXCEPTION OF PBX ORDERS, JOINT VENTURE (APT) ORDERS, AND ORDERS FOR PALLETIZED OFFICES, PROVIDES CABINET, BEZELS AND IMPROVED DOORS. THIS LIST SHOULD ALSO BE SPECIFIED FOR GROWTH IN OFFICES THAT SHIPPED AFTER SEPTEMBER 27, 1986. (SEE NOTE 53). REPL:J5D003K-3,LD			A									
EQUIPMENT REQUIRED IN ADDITION TO LIST 27 FOR NEW JOINT VENTURE (APT) ORDERS, PROVIDES CABINET. (SEE NOTE 53).			B									
EQUIPMENT REQUIRED IN ADDITION TO LIST 27 FOR PBX APPLICATIONS WITHOUT PALLETIZATION (PECCA). PROVIDES CABINET, BEZELS & IMPROVED DOORS. (SEE NOTE 53).			C									
EQUIPMENT REQUIRED IN ADDITION TO LIST 27 WHEN THIS CABINET IS ADDED AS GROWTH TO AN EXISTING LINE UP IN AN EXISTING OFFICE AND THIS OFFICE IS NOT A JOINT VENTURE (APT) OFFICE, A PBX OFFICE OR AN OFFICE EQUIPPED FOR PALLETIZED EQUIPMENT. (SEE NOTE 69). DA EFF:10/28/92 RA:J5D003K-3,LA		DA	D									
ALWAYS REQUIRED IN ADDITION TO LIST A TO PROVIDE STEEL DOORS WITH IMPROVED AIR FLOW CHARACTERISTICS.			E									
ALWAYS REQUIRED IN ADDITION TO LIST C TO PROVIDE STEEL DOORS WITH IMPROVED AIR FLOW CHARACTERISTICS.			F									
ALWAYS REQUIRED IN ADDITION TO LIST E. PROVIDES PROVIDES IMPROVED CABINET, BEZELS AND CENTER OPENING DOORS.			G									
EQUIPMENT REQUIRED IN ADDITION TO LIST F FOR OFFICES SUBJECT TO EMC REQUIREMENTS. PROVIDES DOORS AND GASKETS.	70		H	2	ED5D184-76	2						
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO LIST 27 TO PROVIDE ESD GROUNDING LABEL. REPL:NONE			J									
END OF TABLE-A												

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BT13

5ESS SWITCHING EQUIPMENT  
SPECIFICATION FOR  
OSPS DATA SET CABINET  
FOR RISLU APPLICATIONS

DWG SIZE  
C2

ISSUE  
12

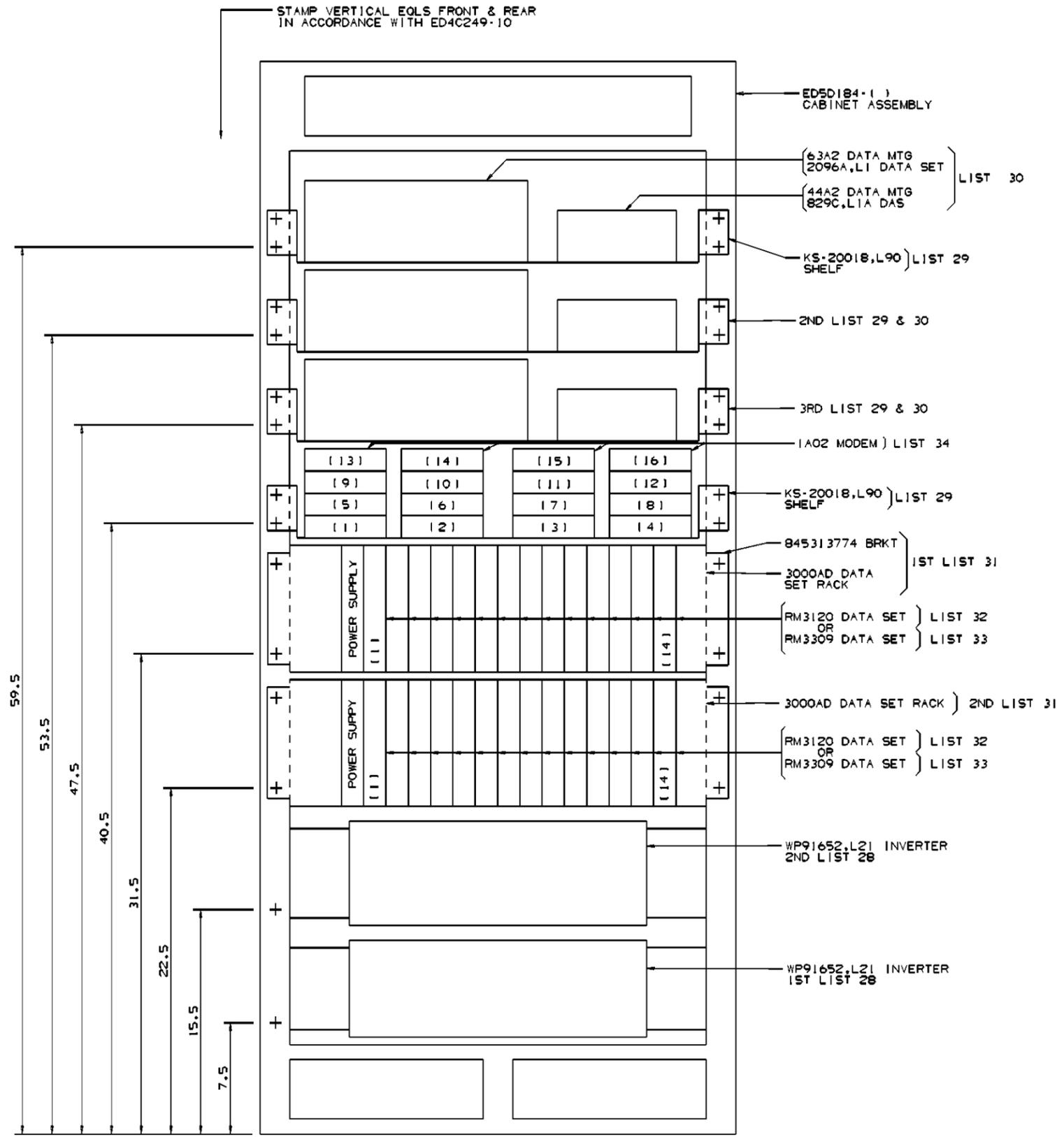
J5D003K-3

LUCENT TECHNOLOGIES INC J5D003K-3

SHEET A3  
OF 13

PRINTED IN U.S.A.

CONVERSION TABLE	
INCH	MM
7.5	190.3
15.5	393.4
22.5	571.5
31.5	800.1
40.5	1030.30
47.5	1208.10
53.5	1360.90
59.5	1511.30



FRONT VIEW  
FIG 1 ( DA )  
( TYPICAL )

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OSPS DATA SET CABINET	DWG SIZE	ISSUE
	C2	4
AT&T	J5D003K-3 <small>PRINTED IN U.S.A.</small>	SHEET B1

CONVERSION TABLE	
INCH	MM
10.5	266.70

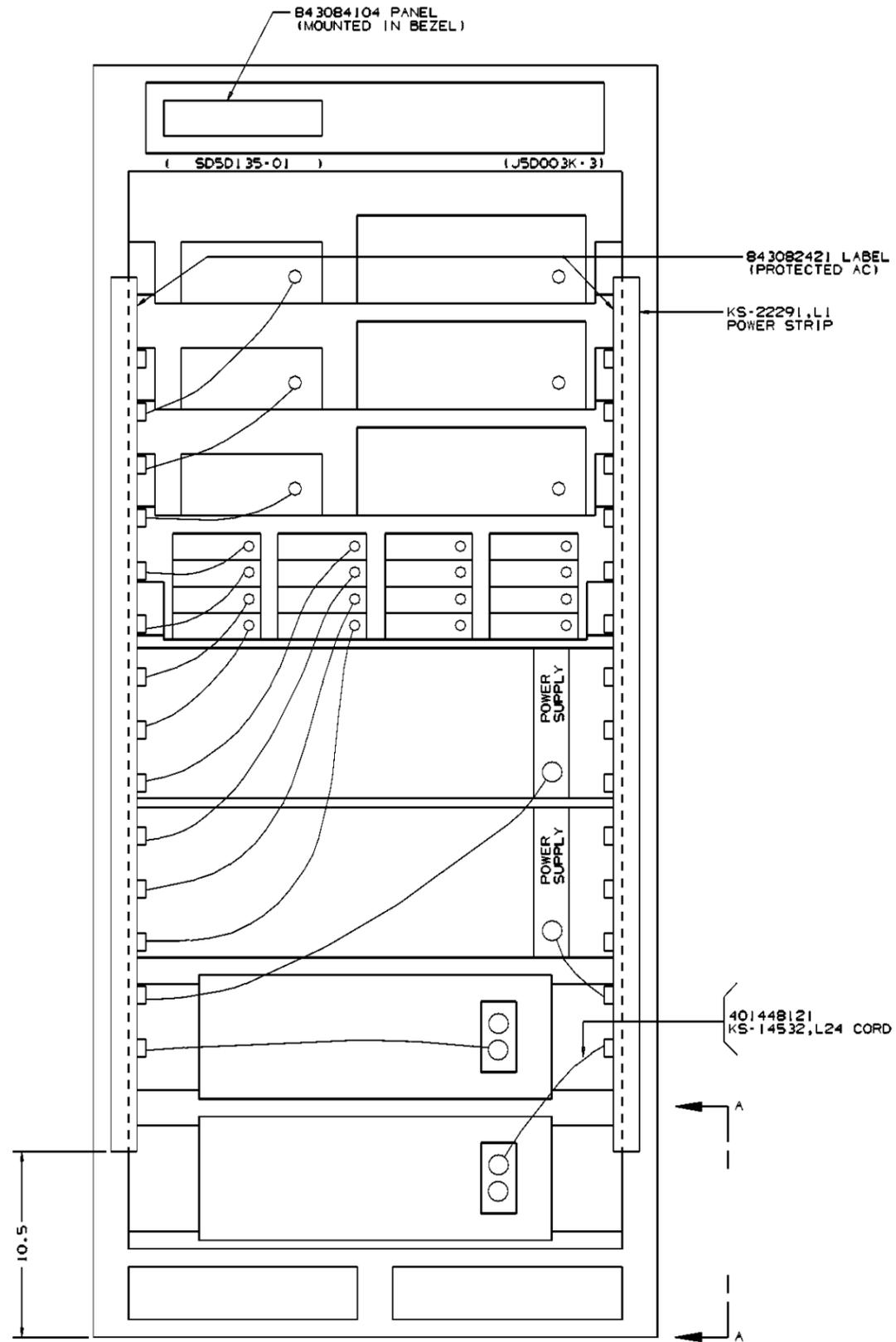
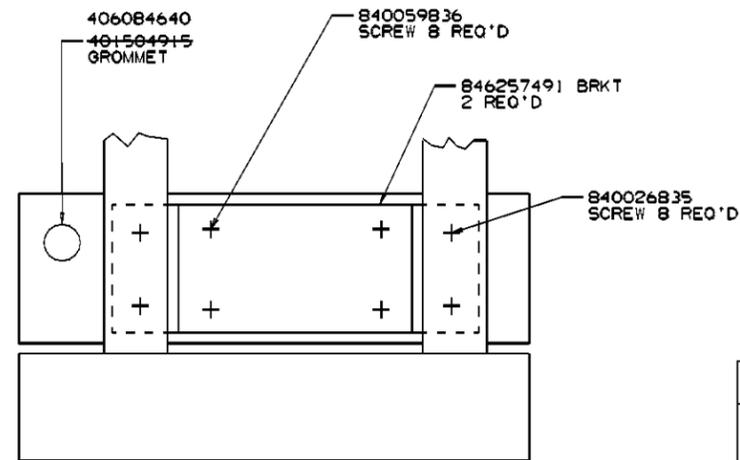


FIG. 1 (DA)  
REAR VIEW



VIEW A-A

J5D003K - 3

COPYRIGHT 1993 AT&T, ALL RIGHTS RESERVED		
OSPS DATA SET CABINET	DWG SIZE	ISSUE
	C2	4
AT&T	J5D003K - 3	SHEET B2

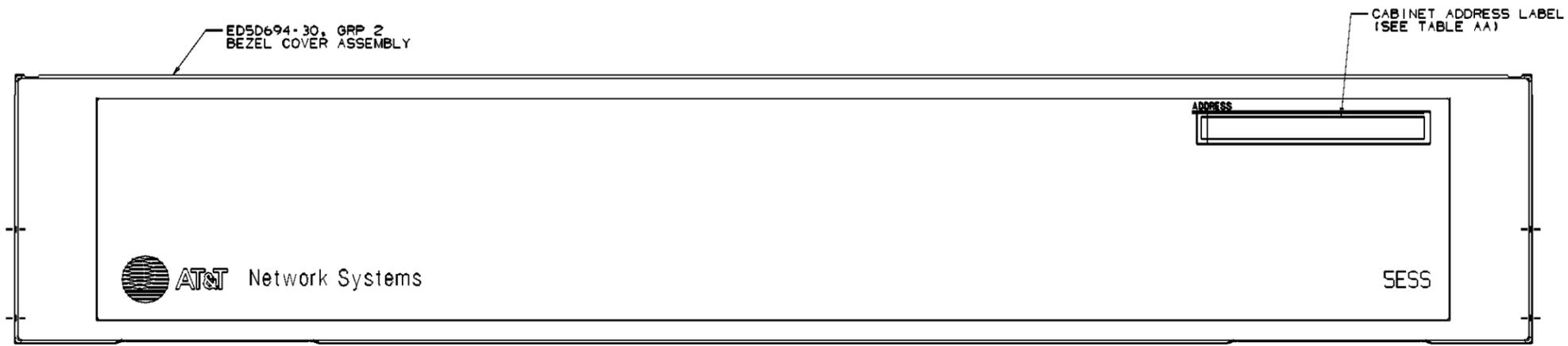
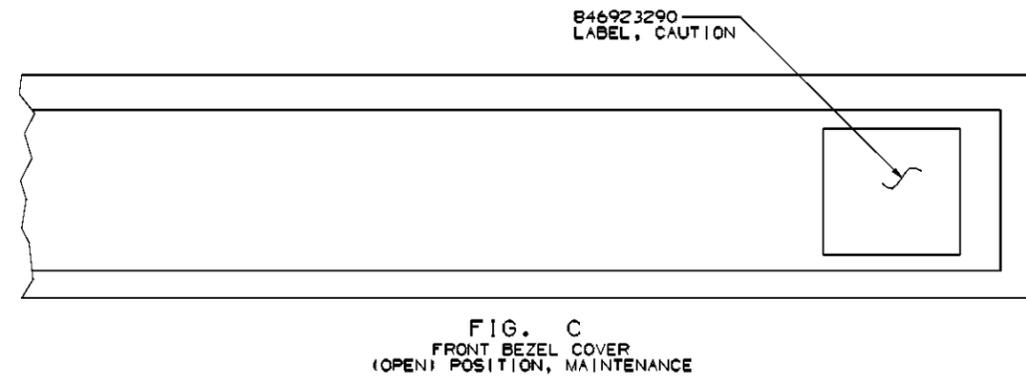
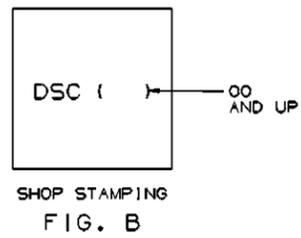
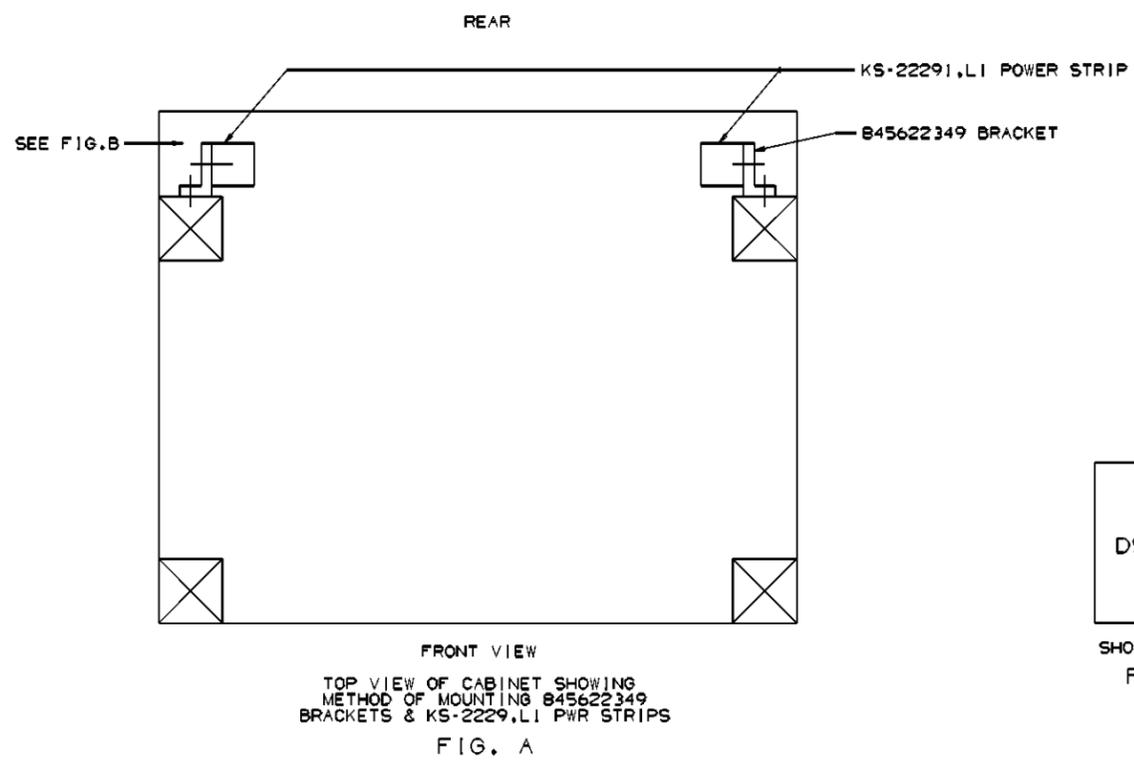


TABLE AA

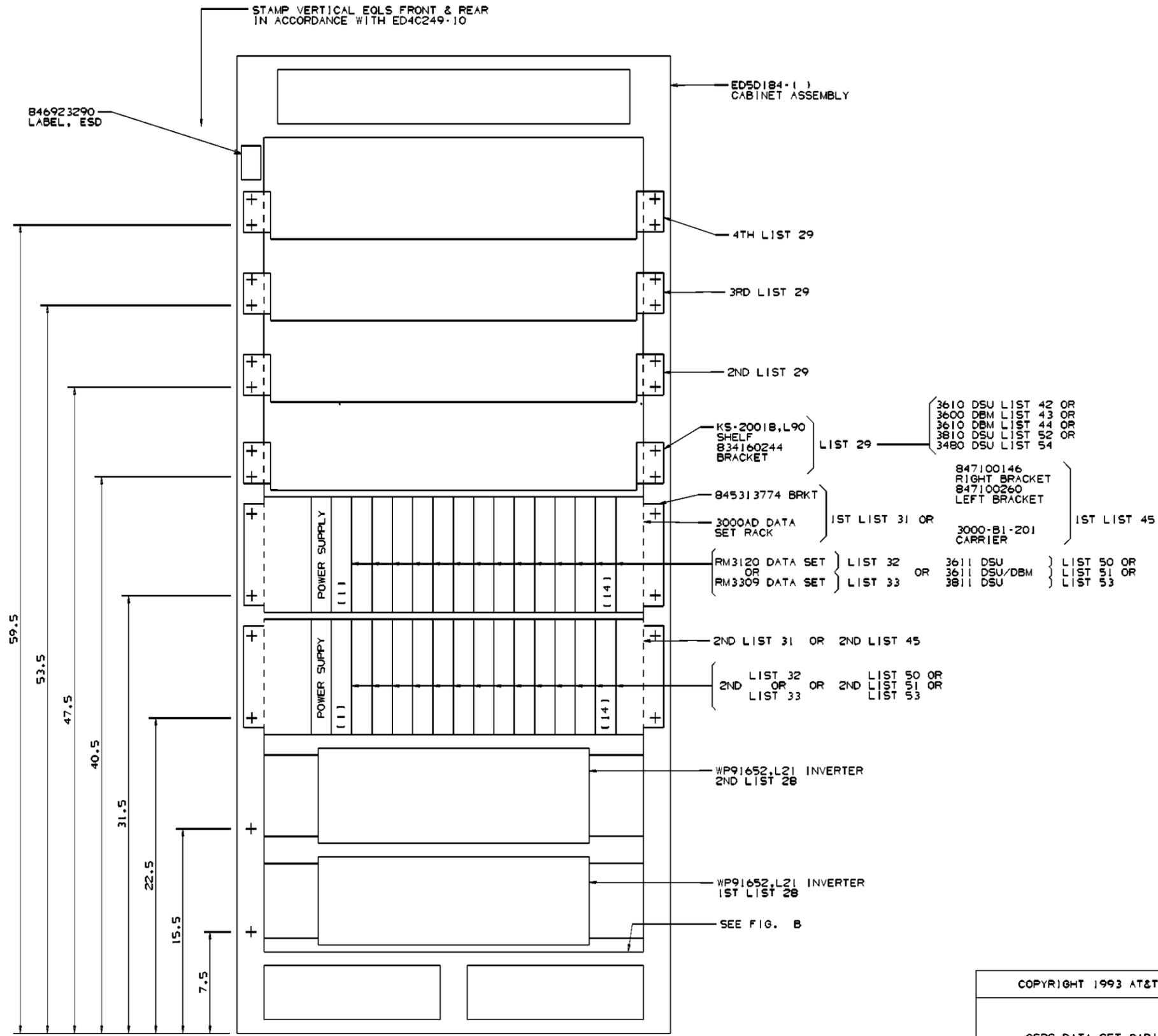
ED5D695-10	
GROUP	STAMPING
1418	DSC0
1419	DSC1
1420	DSC2
1421	DSC3
1422	DSC4



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OSPS DATA SET CABINET	DWG SIZE	ISSUE
	C2	10
AT&T	J5D00 3K - 3	SHEET B3

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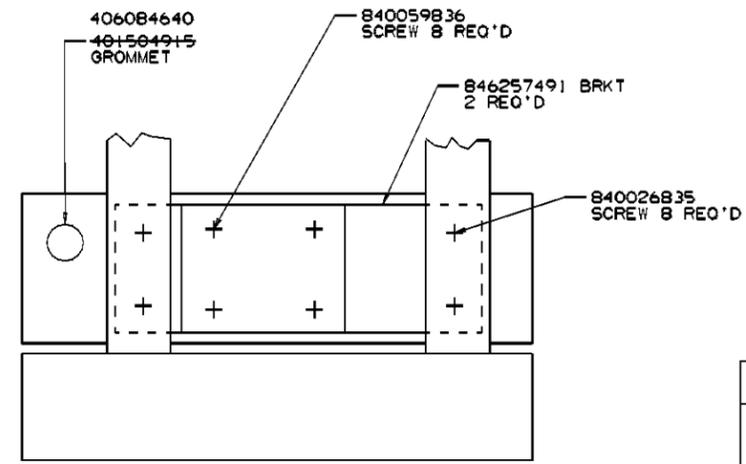
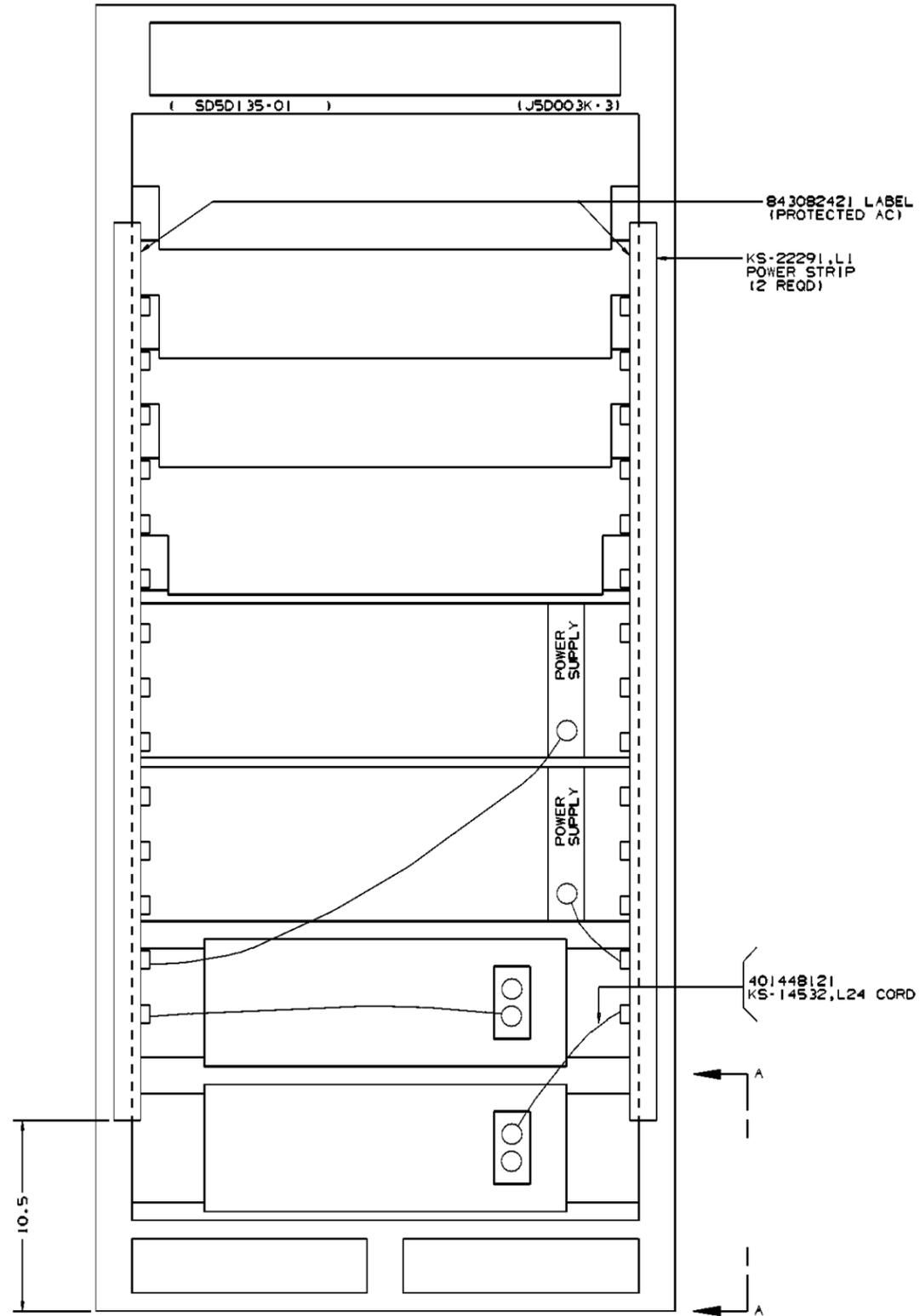
CONVERSION TABLE	
INCH	MM
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15.5	393.4
22.5	571.5
31.5	800.1
40.5	1030.30
47.5	1208.10
53.5	1360.90
59.5	1511.30



FRONT VIEW  
FIG 2  
(TYPICAL)

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OSPS DATA SET CABINET	DWG SIZE	ISSUE
	C2	6
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CONVERSION TABLE	
INCH	MM
10.5	266.70



J5D003K - 3

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OSPS DATA SET CABINET	DWG SIZE	ISSUE
	C2	6
AT&T	J5D003K - 3	SHEET B5

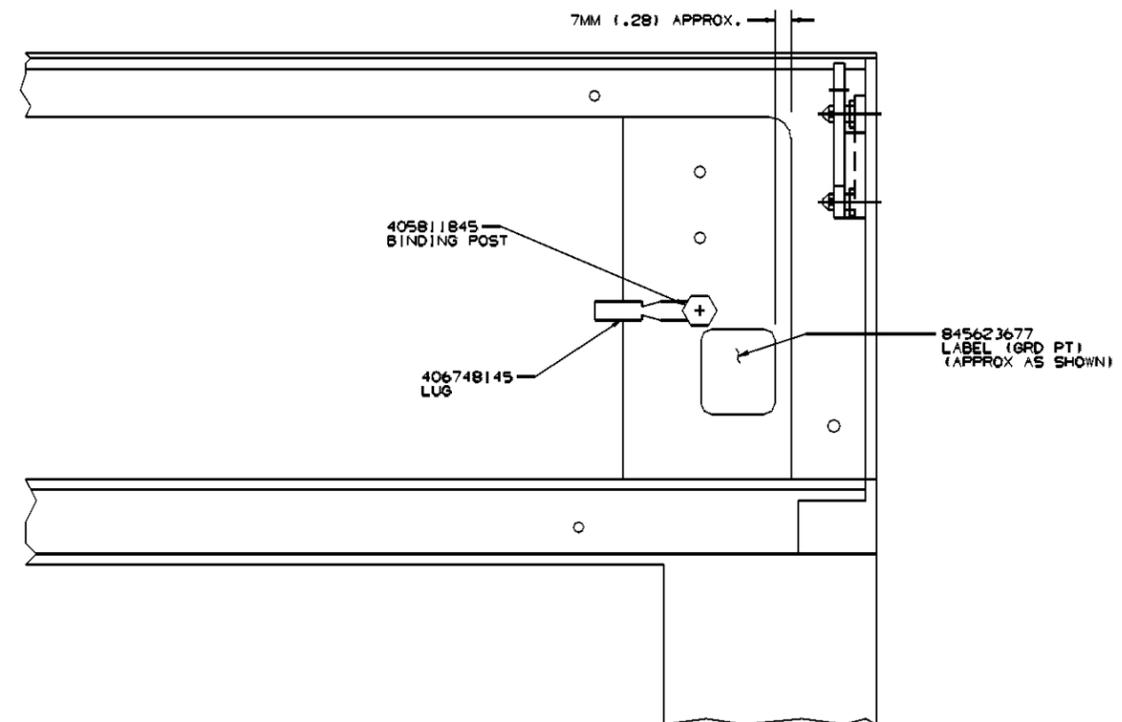
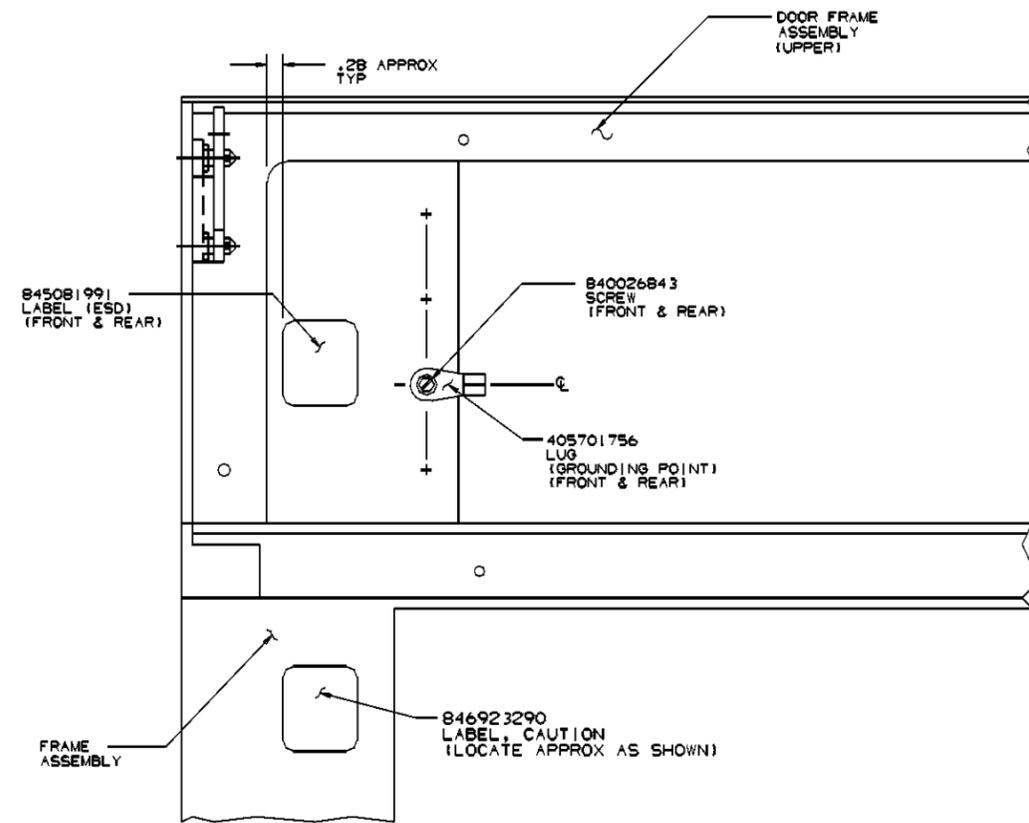


FIG. D  
WIRING SIDE  
(BEZEL REMOVED FOR CLARITY)

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OSPS DATA SET CABINET	DWG SIZE	ISSUE
	C2	10
AT&T	J5D003K - 3	SHEET B6

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STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1000	27	1	ED5D184-71,G8		ASSEMBLY, CABINET			
1010	27	2	845622349		BRACKET, POWER STRIP			
1020	27	2	402574156	KS22291L1	STRIP, POWER			13 15
1030	27	20	840026835		SCREW, TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) STEEL ZINC PLATE 289A FINISH			
1030	27	1	843084104		PANEL			
1060	27	1	840058234		SCREW, PAN HEAD MACHINE .112-40 X 3/16 STEEL 289A FINISH			
1070	27	2	843081967		LABEL, BLANK			
1080	27	2	843084388		LABEL, DSC			
1090	27	2	843082421		LABEL AC PROTECTED			
1095	28	1	405872599	WP91652L21	INVERTER, UNIT 1KVR			
1096	28,28A, 28B,28C	1	401448121	KS14532L24	CORD			16
1097	28A	1	407106822	WP91652L21A	INVERTER			
1098	28B,28C	1	407608678	WP93388L11	INVERTER SQUARE D COMPANY			
1099	28B,28C	1	407608728	WP93388L12	BRACKET, MOUNTING SQUARE D COMPANY			
1100	28,28A	2	846257491		BRACKET, INVERTER			
1102	28,28A	8	840026835		SCREW, TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) STEEL ZINC PLATE 289A FINISH			
1104	28,28A	8	840059836		SCREW, PAN HEAD MACHINE .190-32 X 3/8 STEEL 289A FINISH			
1106	28	A/R	401504919		GROMMET, BLACK #CS909 25 FT LG MECKESSER CO.			
1108	28,28A, 28B	A/R	406084640		GROMMET #GRNY-0850C CATAMOUNT			
1109	28C	A/R	997244033		BUSHING, SNAP #SB-875-11 HEYMAN MFG CO			16
1130	29	1	403280233	KS20018L9D	SHELF			S
1134	29	1	401509773	KS20018L9D	SHELF			S
1140	29	2	834160244	P41W024	BRACKET			S
1150	29	4	840026835		SCREW, TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) STEEL ZINC PLATE 289A FINISH			S
1160	30	1	102422490	829C	SET, AUX DATA			S
1170	30,36	1	102422490	829C	SET, AUX DATA			S
1180	30	1	103628180	63A2	MOUNTING, DATA			S
1184	30	1	105374672	63A2-R	MOUNTING, DATA			S
1188	30,38	1	105353569	2096AR-L1	SET, DATA REMANUFACTURED MODEM			S
1190	30,38	1	103872503	2096RL1	SET, DATA			S
1191	30	1	100964386	B25A	CABLE, CONNECTOR 2 FT. DOUBLE END			S
1200	31	1	405509944		MOUNTING, DATA #LDS3000A GANDALF DATA /OR EQUIV.			S
1210	31	2	845313774		BRACKET, MOUNTING			S

STOCKLIST CONTINUED ON SHEET D2

SHOP  
INST

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.

"W\*" 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.

X 12. WHEN IT BECOMES NECESSARY TO STACK MODEMS, THE INSTALLER SHALL USE TY-RAPS ON FRONT & REAR OF MODEMS AND SECURE THEM TO KS20018,L9D SHELF.

X 13. FRAME EQ STAMPING ON PWR STRIP NOT REQUIRED.

X 14. SD DRAWING FOR CABINET NOT ASSIGNED OR REQUIRED.

X X 15. KS22291,L1 AND L2 POWER STRIPS ARE FUNCTIONALLY INTERCHANGABLE AND EITHER MAY BE PROVIDED BY THE SUPPLIER.

X 16. CUT AND HARDWIRE A.C. CORD TO INVERTER TERMINALS REQUIRED AND CONNECT THE FOLLOWING WIRES COLORS TO TERMINALS.  
A. WIRE BLACK WIRE TO AC-OUT TERM:(L)  
B. WIRE WHITE WIRE TO AC-OUT TERM:(N)  
C. WIRE GREEN WIRE TO GROUND TERM:(LUG)

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BT13

5ESS SWITCHING EQUIPMENT  
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OSPS DATA SET CABINET  
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STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1220	31	6	840026835		SCREW, TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) STEEL ZINC PLATE 289A FINISH		S	
1230	32	1	405083932		UNIT, DATA SET #RM3120 ASYNCHRONUS GANDALF DATA INC. /OR EQUIV.		S	
1240	33	1	405377383		SET, DATA #RM3309A GANDALF DATA INC. /OR EQUIV.		S	
1250	34	1	104208285	1A02	MODEM		S	12
1260	A,B,C,D	2	845081991		LABEL, ESD			
1270	A,B,C,D	2	405701756		TERMINAL, LUG #M8-14R/SX 3M CO.			
1280	A,B,C,D	2	840026835		SCREW, TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) STEEL ZINC PLATE 289A FINISH			
1290	A,C,D	4	996096970		SCREW, SHOULDER #4327 PIC DESIGN CORP. /OR EQUIV.			
1295	A,C,D	4	406763276		SCREW, HEX HEAD SLOTTED .190-32 #ATTO4034SP STAINLESS STEEL CANCAR TEXTRON			
1300	A,C,D	4	900559121		WASHER, SPRING #UN250-0110 ASSOCIATED SPRING CO.			
1310	A,C,D	4	843677942		BRACKET			
1320	A,C,D	8	840059042		SCREW, PAN HEAD MACHINE .104-32 X 1/4 STEEL 289A FINISH			
1330	A,C,D	8	814251856	P42E185	WASHER, PLAIN .164 STEEL 289A FINISH			
1340	A,B,C,D	OMIT	ED5D184-71,G8		ASSEMBLY, CABINET			
1350	A,C	1	ED5D184-73,G3		ASSEMBLY, CABINET			
1351	A,C	OMIT	ED5D184-73,G3		ASSEMBLY, CABINET			
1352	A,C	1	ED5D184-74,G3		ASSEMBLY, CABINET			
1353	A,C	OMIT	ED5D184-74,G3		ASSEMBLY, CABINET			
1354	A,C	1	ED5D184-74,G3B		ASSEMBLY, CABINET			
1360	B	1	ED5D184-73,G1		ASSEMBLY, CABINET			
1361	B	OMIT	ED5D184-73,G1		ASSEMBLY, CABINET			
1362	B	1	ED5D184-74,G1		ASSEMBLY, CABINET			
1363	B	OMIT	ED5D184-74,G1		ASSEMBLY, CABINET			
1364	B	1	ED5D184-74,G1B		ASSEMBLY, CABINET			
1370	A,D	2	843077900		BEZEL			
1380	C	2	845313220		BEZEL, EMI			
1390	A	2	845619261		ASSEMBLY, DOOR		X	
1400	C	2	845619519		ASSEMBLY, EMI DOOR			
1410	E	OMIT	845619261		ASSEMBLY, DOOR			
1450	D	1	ED5D184-72,G1		ASSEMBLY, CABINET			
1460	D	2	843079815		ASSEMBLY, DOOR			
1470	35	1	102969250	46A2	MOUNTING, DATA		S	
1480	35	2	845622620		BRACKET		S	
1490	35	6	840026835		SCREW, TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) STEEL ZINC PLATE 289A FINISH		S	

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

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STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1500	35	1	100017326	B25A	CABLE, CONNECTOR 5 FT. DOUBLE END		S	
1510	37	1	105171338	64A3	MOUNTING, DATA		S	
1514	37	1	105747802	64A3-R	MOUNT		S	
1520	37	2	845622638		BRACKET		S	
1530	38	20	840026835		SCREW, TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) STEEL ZINC PLATE 289A FINISH		S	
1540	39	1	405618604		RACK #RRMBUS GANDALF DATA INC. /OR EQUIV.		S	
1550	39	2	845622661		BRACKET		S	
1560	39	4	840026835		SCREW, TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) STEEL ZINC PLATE 289A FINISH		S	
1570	40	1	405618596		SET, DATA #RM9600A GANDALF DATA INC. /OR EQUIV.		S	
1580	41	1	103872305	202T-L1A	SET, DATA AT CLEI = 2D02TALCAA		S	
1590	41	1	103872040	47B1	MOUNTING, DATA AT		S	
1610	F	OMIT	2	845619519	ASSEMBLY, EMI DOOR		S	
1630	E	2	846169993		ASSEMBLY, DOOR		S	
1640	F	2	846170009		ASSEMBLY, EMI DOOR		S	
1650	G	OMIT	1	ED5D184-73,G3	ASSEMBLY, CABINET			
1660	G	OMIT	2	843077900	BEZEL			
1670	G	OMIT	2	846169993	ASSEMBLY, DOOR		S	
1680	G	1	ED5D184-74,G3		ASSEMBLY, CABINET			
1681	G	OMIT	1	ED5D184-74,G3	ASSEMBLY, CABINET			
1682	G	1	ED5D184-74,G3B		ASSEMBLY, CABINET			
1690	G,H	1	ED5D694-30,G2		ASSEMBLY, BEZEL COVER			
1691	G,H	1	ED5D694-30,G4		ASSEMBLY, BEZEL COVER			
1700	G	2	845622976		ASSEMBLY, DOOR PERFORATED (CENTER-OPENING)		S	
1705	H	OMIT	1	845313220	BEZEL, EMI			
1710	H	OMIT	2	846170009	ASSEMBLY, EMI DOOR		S	
1720	H	2	ED5D184-76,G2		HARDWARE		S	
1730	42	1	106303233	3610-A1-001	MODEM, MULTIRATE DSU		S	
1740	43	1	106303217	3600-F1-001	UNIT, DIAL BACK UP		S	
1750	44	1	106303258	3610-A1-032	MODEM, MULTIRATE DSU		S	
1760	45	1	106779366	3000-B1-201	CARRIER, APPARATUS		S	
1770	45	1	847100146		BRACKET, RIGHT MOUNTING		S	

STOCKLIST CONTINUED ON SHEET D3

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5ESS SWITCHING EQUIPMENT  
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OSPS DATA SET CABINET  
FOR RISLU APPLICATIONS

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STOCKLIST

ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1780	45	1	847100260		BRACKET, LEFT MOUNTING		S	
1790	47	1	106303274	3000-F1-001	PANEL, UNIT SHARED FRONT		S	
1800	46	1	106238496	3000-F1-007	BLOWER, 3000 SERIES RACK		S	
1810	48,49	1	106303845	3000-F1-003	UNIT, INTERFACE		S	
1820	50	1	106767569	3611-B3-001	MODEM, DATA TRANSFER		S	
1830	51	1	106303266	3611-B1-032	MODEM, MULTIRATE DSU		S	
1840	45	12	840026835		SCREW, TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) STEEL ZINC PLATE 289A FINISH		S	
1850	52	1	106597768	3810-A1-001	MODEM, DATA TRANSFER		S	
1860	53	1	106597826	3811-B1-001	MODEM, DATA TRANSFER		S	
1870	54	1	106219058	3480-A2-112	MODEM, STANDALONE		S	
1900	27	1	846923290		LABEL, U.L. LISTING			
1910	27	1	846917300		LABEL, CAUTION			
1915	27	1	846923290		LABEL, CAUTION			
1920	27	1	845623677		LABEL, GROUND POINT			
1930	27	1	405811845		TERMINAL #137 H.H. SMITH			
1940	27	1	406748145		LUG, TERMINAL #M10-14PLX 3M CO.			
1950	J	1	846923290		LABEL, CAUTION			
1960	27	1	847393402		LABEL, CAUTION			

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

TABLE B (DA)  
SPECIAL NOTE. \* IN THE RANGE COLUMN = LESS THAN

FEATURE	BAUD RATE	DIGITAL/ ANALOG	SYNC/ ASYNC	DATA SET TYPE	RANGE	CURRENT DRAIN	NOTES
DAS/C, RTRS	9.6K	A	SYNC	AT&T 2096A GANDALF PASTRAK 96 OR EQUIV.	UNLIMITED	.68A .113A	1,3,7 4,7
		D	SYNC	AT&T 2596 OR EQUIV.	UNLIMITED	.055A	7,8
OAP	9.6K	A	ASYNC	GANDALF RM 3120 GANDALF RM 3419	*5 MILES *200 MILES	.05A .265A	2,7
			SYNC	AT&T 2096A	UNLIMITED	.68A	6,7
		D	SYNC	AT&T 2596 OR EQUIV.	UNLIMITED	.055A	7,8
HOBIC/HOBIS	1.2K	A	ASYNC	GANDALF RM 3120 AT&T 202T OR EQUIV.	*5 MILES UNLIMITED	.05A .043A	2 1
AUTOQUOTE	110/ 300	A	ASYNC	AT&T 4000 (1A02 MODEM)	UNLIMITED	.024A	
AMLB	9.6K	A	SYNC	GANDALF RM 3309 AT&T 2096A GANDALF PASTRAK 96 OR EQUIV.	*8 MILES UNLIMITED UNLIMITED	.05A .77A .113A	2,5 1,3 4
		D	SYNC	AT&T 2596 OR EQUIV.	UNLIMITED	.055A	7,8
	19.2K	A	SYNC	GANDALF RM 3309 OR EQUIV.	*4 MILES	.05A	2,5
		D	SYNC	AT&T 2596 OR EQUIV.	UNLIMITED	.055A	7,8
MIS/C	9.6K	A	ASYNC	TELEBIT T188A-T1 OR EQUIV.	UNLIMITED	.50A	9
RCOS	4.8K	A	ASYNC	AT&T 2048A OR EQUIV.	UNLIMITED	.68A	1,3
EIS	9.6K	D/DBU	SYNC	PARADYNE 3610 DSU 3611 DSU		.1A 1.65A	

- NOTES:
- REQUIRES AT&T 829 DATA AUX SET, DRAIN PER 829 DAS IS .12 AMPS PER UNIT. THESE UNITS MAY BE STAND ALONE USING 44A2 DATA MTG OR MULTIPLE MOUNT USING 46A2 DATA MTGS.
  - THESE DATA SETS USE A GANDALF 3000K AD DATA SET RACK WITH POWER SUPPLY WHICH REQUIRES .65 AMPS.
  - AT&T 2048A OR 2096A MAY BE STAND ALONE USING 63A2 DATA MTG OR MULTIPLE MOUNT USING 64A3 DATA MTG WITH POWER SUPPLY WHICH REQUIRES 5.12 AMPS WHEN FULLY EQUIPPED.
  - GANDALF RM960DA MAY BE STAND ALONE USING GANDALF LH96 MTG, OR MAY BE MOUNTED IN A GANDALF RM8 RACK WHICH REQUIRES 1.3 AMPS.
  - GANDALF RACK MOUNTED DATA SETS MAY BE REPLACED WITH STAND ALONE UNITS: RM 3120 WITH LDS 120, RM 3419 WITH LDM 419 AND RM 3309 WITH LDS 309A (SEE ENG NOTE 66).
  - TO BE USED WITH COM DESIGN TX700 4 CHANNEL PAD.
  - DATA SETS ARE ALWAYS REQUIRED WHEN OAP OR DAS/C IS OVER 50FT. FROM TERMINAL ADAPTER.
  - THE AT&T 2596 MAY BE STAND ALONE USING 2596A L1A/3 OR MULTIPLE MOUNT USING 2596A L1A/2 WITH Z108A1 MOUNTING AND WP90131 POWER PACK THAT REQUIRES .018 AMPS.
  - SEE ENG NOTE 66 FOR COMCODE INFORMATION.
  - CARRIER EQUIPPED WITH 16 3611 DSU.

TABLE C  
SPECIAL NOTE. \* IN THE RANGE COLUMN = LESS THAN

FEATURE	BAUD RATE	DIGITAL/ ANALOG	SYNC/ ASYNC	DATA SET TYPE	RANGE	CURRENT DRAIN	NOTES
		A	SYNC	AT&T PARADYNE 3810 AT&T PARADYNE 3811*	UNLIMITED UNLIMITED	.04A .03A	2,4,8 1,2,8

\*\*\* CONTINUED \*\*\*

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TABLE C							
EIS	9.6K			GANDALF FASSTRAK 96 OR EQUIVALENT	UNLIMITED	.113A	6,8,9
DAS/C		D	SYNC	AT&T PARADYNE 3610 AT&T PARADYNE 3611* OR EQUIVALENT	UNLIMITED UNLIMITED	.1A .1A	3,4,8 1,3,8
RTRS							
EIS	9.6K	D/DBM	SYNC	AT&T PARADYNE 3610 OR 3611 DBM	UNLIMITED UNLIMITED	.1A .1A	3,4,8 1,3,8
OAP	9.6K	A	ASYNC	GANDALF RM3120 AT&T PARADYNE 3810 AT&T PARADYNE 3811* OR EQUIVALENT	*5 MILES UNLIMITED UNLIMITED	.05A .04A .03A	5,7,8,9 2,4,8 1,2,8
HOBIC/ HOBIS	1.2K	A	ASYNC	GANDALF RM3120 OR EQUIVALENT	*5 MILES	.05A	5,7,8,9
AUTOQUOTE	100/ 300	A	ASYNC	AT&T PARADYNE 3810 AT&T PARADYNE 3811* OR EQUIVALENT	UNLIMITED UNLIMITED	.04A .03A	2,4,8 1,2,8
AMLB	9.6K	A	SYNC	GANDALF RM 3309	*8 MILES	.05A	5,7,8,9
				AT&T PARADYNE 3810	UNLIMITED	.04A	2,4,8
				AT&T PARADYNE 3811*	UNLIMITED	.03A	1,2,8
	19.2K	D	SYNC	GANDALF FASSTRAK 96 OR EQUIVALENT	UNLIMITED	.113A	6,8,9
				AT&T PARADYNE 3610	UNLIMITED	.1A	3,4,8
				AT&T PARADYNE 3611*	UNLIMITED	.1A	1,3,8
19.2K	A	SYNC	GANDALF RM 3309	*4 MILES	.05A	5,8,9	
			AT&T PARADYNE 3480	UNLIMITED	1.6A	4,8	
			OR EQUIVALENT				
19.2K	D	SYNC	AT&T PARADYNE 3610	UNLIMITED	.1A	3,4,8	
			AT&T PARADYNE 3611*	UNLIMITED	.1A	1,3,8	
			OR EQUIVALENT				
MIS/C	9.6K	A	ASYNC	TELEBIT T1SSA-T1 OR EQUIVALENT	UNLIMITED	.50A	8,9
RCOS	4.8K	A	SYNC	AT&T PARADYNE 3810 AT&T PARADYNE 3811* OR EQUIVALENT	UNLIMITED UNLIMITED	.04A .03A	2,4,8 1,2,8
NOTIS/ NSCS	4.8K	D	SYNC	AT&T PARADYNE 3610 AT&T PARADYNE 3611* OR EQUIVALENT	UNLIMITED UNLIMITED	.1A .1A	3,4,8 1,3,8

NOTES:

1. THESE DATA SETS ARE RACK MOUNTABLE AND REQUIRE THE AT&T PARADYNE COMSPHERE 3000 CARRIER. THE CARRIER HAS A TOTAL OF 17 SLOTS. THE FIRST SLOT 0, IS RESERVED FOR A SHARED DIAGNOSTIC UNIT (SDU) WHILE THE REMAINING 16 SLOTS CAN HOUSE MODEMS. THE CARRIER FULLY EQUIPPED REQUIRES 1.65A.
2. THE AT&T PARADYNE 3810/3811 MODEMS REPLACE THE AT&T 2296. THESE MODEMS PROVIDE AN ANALOG 2-WIRE/4-WIRE LEASED LINE DATA LINK.
3. THE AT&T PARADYNE 3610/3611 DATA SET UNITS REPLACE THE AT&T 2596 AND MAY BE USED FOR DIGITAL APPLICATIONS.
4. THE AT&T PARADYNE 3480, 3610 & 3810 ARE STAND ALONE MODEMS.
5. THESE DATA SETS REQUIRE GANDALF 3000K AD RACK WITH POWER SUPPLY WHICH REQUIRES .65 AMPS.
6. GANDALF RM960DA MAY BE STAND ALONE USING GANDALF LH96 MOUNTING OR MAY BE MOUNTED IN A GANDALF RM8 RACK WHICH REQUIRES 1.3 AMPS.
7. GANDALF RACK MOUNTED DATA SETS MAY BE REPLACED WITH STAND ALONE UNITS: RM3120 WITH LDS120, RM3419 WITH LDM419 AND RM3309 WITH LDS309A (SEE ENG NOTE 66).
8. DATA SETS ARE ALWAYS REQUIRED WHEN RS232 INTERFACE IS OVER 50 FEET FROM TERMINAL ADAPTER (D11,7A3,STA ETC.).
9. SEE ENG NOTE 66 FOR COMCODE INFORMATION.

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