

TABLE A - FEATURES							
LINE	DESCRIPTION	RATING	LIST	CIRCUITS AND FIGURES EQUIPPED			
				QTY.	CIRCUIT	FIGURE	WIRING
1	FRAMEWORK, ASSEMBLY, WIRING AND EQUIPMENT FOR ONE BATTERY PLANT, 208/240 VOLT 50/60 HZ INPUT, -48 VOLT, 300 AMPERE MAXIMUM OUTPUT. (PLANT EQUIPPED WITH CONTROLLER, CIRCUIT BREAKER DISTRIBUTION, TWO RECTIFIER SHELF ASSEMBLIES, AND SPACE FOR ONE STRING OF AT&T VR BATTERIES.)	DA	1	1	T-82670-30	1, 2, 3, A, H1, H4, H5	
2	FRAMEWORK, ASSEMBLY, WIRING AND EQUIPMENT FOR ONE BATTERY PLANT, 208/240 VOLT 50/60 HZ INPUT, -48 VOLT, 300 AMPERE MAXIMUM OUTPUT, WITH LOW VOLTAGE DISCONNECT/RECONNECT FEATURE. (PLANT EQUIPPED WITH CONTROLLER, CIRCUIT BREAKER DISTRIBUTION, TWO RECTIFIER SHELF ASSEMBLIES, AND SPACE FOR ONE STRING OF AT&T VR BATTERIES.)	DA	2	1	T-82670-30	1, 2, 3, B, H1, H2, H4, H5	
3	FRAMEWORK TO PROVIDE A SUPPLEMENTARY BAY FOR MOUNTING A MAXIMUM OF 2 STRINGS OF AT&T VR BATTERIES.	DA	3				
4	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 OR 2 FOR ONE SWITCH MODE RECTIFIER. (MAX 3 PER RECTIFIER SHELF, MAX 6 PER ECS CONTROLLER.) (SEE NOTE 13)	DA	4	1	T-82670-30	H8, H6 (DA)	
5	OPTIONAL EQUIPMENT FOR PLANT CONTROLLER TO PROVIDE MICROPROCESSOR CIRCUIT PACK (CP2). CP2 PROVIDES REMOTE/LOCAL MONITORING AND CONTROL FUNCTIONS.	DA	5		T-82670-30	H7	
7	SAME AS LIST 5 (CP2), WITH VOICE RESPONSE FEATURE	DA	7	1			
8	OPTIONAL EQUIPMENT FOR PLANT CONTROLLER TO PROVIDE DATALOGGER CIRCUIT PACK (CP3). CP3 IS A DATA ACQUISITION CIRCUIT PACK THAT ALWAYS REQUIRES A LIST 5 OR 7 (CP2) CIRCUIT PACK	DA	8	1	T-82670-30	H9	
9	SAME AS LIST 8 CP3, WITH REMOTE TERMINATION PANEL, THE REMOTE TERMINATION PANEL ALLOWS EXTERNAL CONNECTION TO THE CP3 CIRCUIT PACK FROM OUTSIDE OF THE CONTROLLER.	DA	9	1	T-82670-30	H10	
11	EQUIPMENT AND HARDWARE REQUIRED FOR ONE 10 AMP CIRCUIT BREAKER. (SEE NOTES 13, 57, 59)	DA	11	1	T-82670-30		BA
12	EQUIPMENT AND HARDWARE REQUIRED FOR ONE 20 AMP CIRCUIT BREAKER. (SEE NOTES 13, 57, 59)	DA	12	1	T-82670-30		BB
13	EQUIPMENT AND HARDWARE REQUIRED FOR ONE 30 AMP CIRCUIT BREAKER. (SEE NOTES 13, 57, 59)	DA	13	1	T-82670-30		BC
14	EQUIPMENT AND HARDWARE REQUIRED FOR ONE 45 AMP CIRCUIT BREAKER. (SEE NOTES 13, 57, 59, 71)	DA	14	1	T-82670-30		BD
15	EQUIPMENT AND HARDWARE REQUIRED FOR ONE 60 AMP CIRCUIT BREAKER. (SEE NOTES 13, 57, 59, 71)	DA	15	1	T-82670-30		BE
16	EQUIPMENT AND HARDWARE REQUIRED FOR ONE 3 AMP CIRCUIT BREAKER. (SEE NOTES 13, 57, 59, 71)	DA	16	1	T-82670-30		BF
17	EQUIPMENT AND HARDWARE REQUIRED FOR ONE 5 AMP CIRCUIT BREAKER. (SEE NOTES 13, 57, 59, 71)	DA	17	1	T-82670-30		BG
18	EQUIPMENT AND HARDWARE REQUIRED FOR ONE 15 AMP CIRCUIT BREAKER. (SEE NOTES 13, 57, 59, 71)	DA	18	1	T-82670-30		BH
20	EQUIPMENT REQUIRED TO PROVIDE ONE 48 VOLT, 24 CELL STRING OF 375 AMPERE-HOUR AT&T VALVE REGULATED BATTERIES, 4 BATTERY SHELVES AND MOUNTING MATERIAL. (MAX 7 STRINGS PER PLANT) (SEE NOTE 13, 58)	DA	20	1	T-82670-30, T-82671-30	H3 1	Z
21	EQUIPMENT REQUIRED TO PROVIDE TWO 48 VOLT, 24 CELL STRINGS OF 375 AMPERE-HOUR AT&T VALVE REGULATED BATTERIES, 8 BATTERY SHELVES AND MOUNTING MATERIAL. (MAX 7 STRINGS PER PLANT) (SEE NOTE 13, 58)	DA	21	1	T-82670-30, T-82671-30	H3 1	Z
22	EQUIPMENT REQUIRED TO PROVIDE ONE 48 VOLT, 23 CELL STRING OF 375 AMPERE-HOUR AT&T VALVE REGULATED BATTERIES, 4 BATTERY SHELVES AND MOUNTING MATERIAL. (MAX 7 STRINGS PER PLANT) (SEE NOTE 13, 58)	DA	22	1	T-82670-30, T-82671-30	H3 1	Z

TABLE A - FEATURES							
LINE	DESCRIPTION	RATING	LIST	CIRCUITS AND FIGURES EQUIPPED			
				QTY.	CIRCUIT	FIGURE	WIRING
23	EQUIPMENT REQUIRED TO PROVIDE TWO 48 VOLT, 23 CELL STRINGS OF 375 AMPERE-HOUR AT&T VALVE REGULATED BATTERIES, 8 BATTERY SHELVES AND MOUNTING MATERIAL. (MAX 7 STRINGS PER PLANT) (SEE NOTE 13, 58)	DA	23	1	T-82670-30, T-82671-30	H3 1	Z
24	OPTIONAL EQUIPMENT REQUIRED TO PROVIDE AC PREWIRE OF RECTIFIER SHELF ASSEMBLIES FOR LISTS 1 OR 2. (SEE NOTE 33)	DA	A	1	T-82670-30	H3A, H3B	C
25	OPTIONAL EQUIPMENT TO PROVIDE ONE BATTERY STRING DISCONNECT, ONE PER BATTERY STRING. (SEE NOTE 70)	DA	C	1	T-83119-30	H5, H8	
26	OPTIONAL EQUIPMENT TO PROVIDE ONE REMOTE POWER OFF SWITCH TO BE USED IN CONJUNCTION WITH LIST C, ONE REQUIRED PER PLANT.	DA	D	1	T-83119-30	H6, HC	
30	EQUIPMENT AND HARDWARE IN ADDITION TO LIST 1 OR LIST 2 TO PROVIDE BLANK PANELS FOR HALF OF BAY WHEN AN AT&T VR BATTERY STRING IS NOT INSTALLED. (SEE NOTES 13, 63)	DA	K1				
31	EQUIPMENT AND HARDWARE IN ADDITION TO LIST 1 OR LIST 2 FOR REAR COVER FOR UPPER HALF OF BAY. (SEE NOTE 13)	DA	K2				
35	OPTIONAL EQUIPMENT FOR PLANT CONTROLLER EQUIPPED WITH A LIST 5 CP2, PROVIDES A SOFTWARE UPGRADE KIT TO ADD THE VOICE RESPONSE FEATURE TO CP2.	DA	K10				
41	EARTHQUAKE BRACING KIT FOR ONE AT&T VR BATTERY STRING. (SEE NOTES 13, 67, AND TABLE 2)	DA	K21				
42	EQUIPMENT AND HARDWARE KIT IN ADDITION TO LIST 1, LIST 2, OR LIST 3 TO PROVIDE SUPPORT BASE AND MOUNTING HARDWARE FOR A STRING OF AT&T VR BATTERIES. (SEE NOTE 13, 68)	DA	K22				
43	EQUIPMENT AND HARDWARE PROVIDING ONE FRONT COVER FOR ONE AT&T VR BATTERY STRING. (SEE NOTE 13)	D/A	K23				
44	EQUIPMENT AND HARDWARE IN ADDITION TO LISTS 20, 21, 22 OR 23, TO PROVIDE EXTENSION PANEL ASSEMBLY FOR FLUSH BACK BATTERY MOUNTING POSITION. (SEE TABLE 2, NOTES 13, 69)	DA	K24				
50	BATTERY CABLE KIT -- 30 FEET OF 1/0 CABLE AND ASSOCIATED HARDWARE. (SEE NOTES 20, 21, 27, 64)	DA	K30	1	T-82670-30	H1	
51	BATTERY CABLE KIT -- 30 FEET OF 4/0 CABLE AND ASSOCIATED HARDWARE. (SEE NOTES 20, 21, 27, 64)	DA	K31	1	T-82670-30	H1	
52	BATTERY CABLE KIT -- 21 FEET OF 1/0 CABLE AND ASSOCIATED HARDWARE. (SEE NOTES 20, 21, 27, 64)	DA	K32	1	T-82670-30	H1	
53	BATTERY CABLE KIT -- 21 FEET OF 4/0 CABLE AND ASSOCIATED HARDWARE. (SEE NOTES 20, 21, 27, 64)	DA	K33	1	T-82670-30	H1	
60	FRONT STILE STRIP APPEARANCE KIT (RIGHT AND LEFT SIDES). (SEE NOTES 13, 18, 24, 54)	DA	KA				
61	END PANEL APPEARANCE KIT (RIGHT AND LEFT SIDES). (SEE NOTES 13, 18, 24, 54)	DA	KB				

MANUFACTURING NOTES

X 1. () - DESIGNATIONS TO BE STAMPED IN ACCORDANCE WITH JOB INFORMATION.

X 2. [] - INDICATES DESIGNATIONS SHOWN FOR INFORMATION ONLY AND ARE NOT TO BE STAMPED.

X 3. < > - INDICATES INFORMATION PROVIDED IN ACCORDANCE WITH OTHER INFORMATION.

X 4. ~~XXX~~ - PARTS THAT ARE TO BE SHIPPED ATTACHED TO OR ENCLOSED IN THE SAME CONTAINER AS THE ASSOCIATED ASSEMBLED ITEM.

X 5. S - ITEMS NOT ASSEMBLED WITH AND SHIPPED SEPARATELY FROM THE EQUIPMENT. ~~XXX~~ INDICATES THAT THE PART HAS BEEN DELETED/REMOVED.

X 6. DALLAS WORK IS RESPONSIBLE FOR ALL MISC. SKY AND CABLE ASSEMBLY DISCONTINUATION. ~~XXX~~ SOMETIMES AND JUMPERS ON J85500-1 CONTROLLERS SHALL BE SET AS PART OF FACTORY TEST. SETTINGS ARE GIVEN IN TABLE 9. DIP SWITCH AND JUMPER LOCATIONS ARE GIVEN ON SHEET 2 (SH 61). ADDED FIG. 1, W. SECT. P-P, Q-Q, R-R, S-S, VIEW G-G, NOTE 3 (SH 61). REMOVED VIEW D-D, E. CHGD S/L IMS 2-14, REMOVED IMS 52-54, 60, 61, 64-66, 100-102, 142. ADDED IMS 29, 51, 56, 59, 65, 69, 70, 74, 79, 80, 82, 103-107, 125, 126, 144, 147, 215, 220, 225. POINT ISS 3.1-3.4

X 9. PRINT CHARACTERS ON LABEL, ITEM 73, AS FOLLOWS:
SERIAL NO: XXXXXXXX DATE: YYDDDD
MODEL NO: J85500-1 LX 58-82670-01
INPUT: 208/240VAC 60HZ 95/02/BA OUTPUT: 300 AMP 50VDC

X 10. SEE SHEET F4, FOR METHOD OF FLOOR MOUNTING THE SCHEMATIC ADJUSTING FRAMEWORKS. METHOD OF FRAME GROUNDING, AND ADDITIONAL INFORMATION INFORMATION.

X 11. TIGHTENING TORQUE ARE GIVEN IN TABLE V.

X 12. CIRCUIT BREAKERS TO BE FIELD INSTALLED AT POSITIONS SPECIFIED PER JOB ORDER. THE NECESSARY SCREWS, LUGS AND DISCHARGE RETURN LUGS FOR TERMINATION OF 10-12 AWG WIRE ARE PROVIDED PER LISTS 11, 12, 13, 14, 17, AND 18. FOR LIST 14 AND 15, TERMINAL ADAPTER AND SCREWS ARE PROVIDED, BUT LOAD LUGS AND DISCHARGE RETURN LUGS MUST BE ORDERED SEPARATELY DEPENDING ON CABLE SIZE (SEE TABLE W FOR WIRE AND LUG INFORMATION).

X 13. EQUIPMENT TO BE FIELD MOUNTED BY INSTALLER.

X 14. F LIST K2 AND K8 ARE FURNISHED, THE INSTALLER SHALL DISCARD TWO BRACKETS (R41365296).

X 15. DRESS RIBBON CABLE ASSEMBLY R463317717 (ITEM 42) WITH SUFFICIENT SLACK ACROSS HINE TO PERMIT FULL OPENING OF DISTRIBUTION ASSEMBLY DOOR. IS. STAMP THE CHARACTER "Z" USING A CHARACTER SIZE OF 1/8 INCH TO THE RIGHT OF THE WORD "OPTIONAL" IN THE CHARACTER AREA SHOWN IN SECT. H-H, ON SHEET C2.

X 17. THE NECESSARY HARDWARE (ITEMS 167, 178 AND 186) REQUIRED TO TERMINATE BATTERY LUGS IN THE DISTRIBUTION ARE PROVIDED WITH LIST 1 OR LIST 2. 186 LIST 20, 21, 22 OR 23 (VR BATTERIES) MAY BE MOUNTED IN EITHER OF 2 POSITIONS PER FIGURES E AND F ON SHEET F3. MOUNT BATTERIES PER FIGURE F WHEN SPACE BEHIND THE FRAMEWORK IS LIMITED. VR BATTERIES SHOULD BE MOUNTED PER FIGURE E WHEN LIST A OR B (APPEARANCE PACKAGES) ARE ORDERED.

19. UNASSIGNED

X 20. INSTALLATION FIGURES FOR BATTERY INTERCONNECTIONS. (LISTS 20, 21, 22, 23, AND 24) ARE GIVEN ON SHEET F4.

ORIGINAL ISSUE			
NO.	DATE	BY	REVISION
1	03-29-89		1
DRAWING REDRAWN			
PK	KCS	06-26-89	2
DRAWING REDRAWN			
PK	KCS	10-31-89	3
ADDED LISTS 5, 14, 15, 22, 23, K24, K30, K31, K32, K33, D/A LK23, LK21, R10, EDITED TABLE D, U, V, W, Y ADDED TBL Z, CHGD NTS 5, 12, 18, 20, 23, 54, 56, 59, 67, ADDED NOTES 29, 30, 69-74, THE FOLLOWING FIGURES HAVE CHANGED: FIG 1, 2, 4, D THRU N, R, S, SECTS. H-H, M-M, N-N, O-O, VIEW A-A, INST NOTE 4 (SH F4), NOTES (SH F2), NOTE 2 (SH G1), ADDED FIG. 1, W, SECT. P-P, Q-Q, R-R, S-S, VIEW G-G, NOTE 3 (SH G1), REMOVED VIEW D-D, E, CHGD S/L IMS 2-14, REMOVED IMS 52-54, 60, 61, 64-66, 100-102, 142. ADDED IMS 29, 51, 56, 59, 65, 69, 70, 74, 79, 80, 82, 103-107, 125, 126, 144, 147, 215, 220, 225. POINT ISS 3.1-3.4			
NDCB550010J-1			
PK	SKS	05-29-90	4
ADDED: IN SHA1 TBL "A", LN 4 "T-82670-30", "H8, H6 (DA)", LN 20-23 UNDER DESCR COL "FRONT COVER", IN SHA2 TBL "T" LIST 4 "SERIES 2". CHANGED: IN SHA1 SH INDEX ISS FOR SHTS 41, 42, 81, 83 & 01 WERE 4, SHB1 IN FRONT VIEW CALLOUT 22 "105397433" WAS "1056499" "364A SERIES 2 PWR UNIT" WAS "364A PWR UNIT", SHB3 IN LEFT SIDE VIEW CALLOUT 60 "840057640" WAS "84514427", "SCR 12-24X5/8" WAS "SCR 12-24X1/2", IN RT SIDE VIEW CALLOUT 79 "840057640" WAS "84514427", "SCR 1/4-20X5/8" WAS "1/4-20X1/2", CALLOUT B2 "901078717" WAS "840026827", "SCR 12-24X5/8" WAS "SCR 12-24X1/2", IN RT SIDE VIEW CALLOUT 79 "840057640" WAS "84514427", "SCR 1/4-20X5/8" WAS "1/4-20X1/2", CALLOUT B2 "901078717" WAS "840026827", QTY REQ WAS 144, "SCR 12-24X5/8" WAS "SCR 12-24X1/2", SHD1 LN 24 "105397433" WAS "105-649289", "A-PU/364A SERIES 2 PWR UNIT" WAS "A-PU/364A PWR UNIT", LN 82 "845303519" WAS "845303-579", LN 143 QTY REQ WAS 42, LN 147 "840057640" WAS "84514427". CANCELED: LN 144.			
CN C00006D CL AU			
NBB	NTL	07-09-90	5
ADDED: WT 76 ON SH F5 FIG "4". CHANGED: IN TBL "A" LNS 20 & 22 "PROVIDE ONE 48 VOLT, 23 CELL, RD "PROVIDE TWO 48 VOLT, 23 CELL", LN 21 "PROVIDE TWO 48 VOLT, 24 CELL" RD "PROVIDE TWO 48 VOLT, 23 CELL" CHANGES MD TO REFLECT CHGS MD ON ED-83242-31.			
CN C00006D CL AU			
PK	RJP	08-21-90	6
ADDED: POWER SYSTEMS SPECIFICATION FOR LINEARE 2000 ECS BATTERY PLANT -48 VOLT, 208/240 VAC 50/60 HZ INPUT 300 AMPERES MAXIMUM OUTPUT			
USED ON DRAWING			
SCALE: 1/4			
DISTR CODE: AM10			
SHEET	ISSUE	DWG	
A1 OF 23	16	C3	
LUCENT DJ J85500D-1			
PRINTED IN U.S.A.			

NOV 03 1998
RED ORIGINAL

ISSUE	16	16	16	16	16	16
SH NO	A1	A2	A3	B1	B2	B3
ISSUE	16	16	16	16	16	16
SH NO	B4	B5	C1	C2	C3	C4
ISSUE	16	16	16	16	16	16
SH NO	D1	F1	F2	F3	F4	F5
ISSUE	16	16	16	16	16	16
SH NO	F6	F7	F8	F9	G1	

BEST AVAILABLE DRAWING

LINE	CIRCUIT NAME	SCHEMATIC	WIRING DIAGRAM	FIGURE	OPT WIRING	WIRED	REMARKS
1	POWER PLANT	SD-82670-01	T-82670-30				

TABLE C - WIRING PROVIDED INFORMATION

CA	CB	CC	CD	CE	CF	CG

TABLE D - LIST OF ASSOCIATED DRAWINGS

LINE	NAME	NUMBER	LINE	NAME	NUMBER
7	VR SERIES BATTERY	=ED-83242-31	14		
8	ECS BATTERY PLANT	T-82670-30	13		
9	K3-23619 VR SERIES BATTERY	=T-82671-30	12		
4	RECTIFIER SHELF ASSEMBLY	=J857028-1	11		
3	CONTROLLER	J855010-1	10		
2	DISTRIBUTION ASSEMBLY	=ED-83241-30	9		
1	NETWORK BAY FRAME	=ED-83500-50	8		

MANUFACTURING NOTES (CONT'D)

- 21. BATTERY CABLE KITS PER TABLE U ARE FOR THE TYPICAL PLANT CONFIGURATIONS PRESENTED IN FIGURES R AND S ON SHEET F5. BATTERY CABLE KITS CONTAIN KS-20921 WIRE, APPROPRIATE LUGS FOR TERMINATION AT THE BATTERY AND AT THE DISTRIBUTION ASSEMBLY, HEAT SHRINK TUBING, AND CRIMPING INFORMATION. LUG INFORMATION IS ALSO PROVIDED IN TABLE Y. 22. FOR EASE OF RECTIFIER INSTALLATION AND FUTURE GROWTH, IT IS RECOMMENDED THAT ALL THREE AC INPUTS TO A RECTIFIER SHELF ASSEMBLY (RSA) BE WIRED AT INITIAL INSTALLATION. AC INPUT MAY ENTER RSA FROM THE LEFT OR RIGHT. APPROPRIATE LUGS FOR 10 AWG WIRE ARE FURNISHED. REFER TO LABEL ON J857028-1 RSA (REPRODUCED IN FIGURE "O" ON SHEET F8) FOR WIRE ROUTING. RECOMMENDED AC FITTINGS, CRIMP TOOLS AND APPROPRIATE TORQUE VALUE. 23. INSTALLER SHALL LEAVE APPROXIMATELY 10 INCHES OF SLACK IN THE FIELD WIRING FOR THE J855010-1 CONTROLLER (TERMINAL BLOCKS ON 113A CONTROL UNIT, AND OPTIONAL BOARDS) TO ALLOW THE CONTROLLER TRAY TO BE PULLED OUT FOR ACCESS TO CIRCUIT PACKS. OFFICE ALARM CONNECTION AND COMMUNICATION INTERFACE INFORMATION IS PRESENTED IN T-82670-30 AND ON LABEL LOCATED ON INSIDE OF J855010-1 CONTROLLER DOOR.
- 24. MES LABEL TO APPEAR ON LABEL, ITEM 73.
- 25. THE INTERNAL SELECTIVE HIGH VOLTAGE SHUTDOWN LEVEL AND LOAD SHARE ENABLE/DISABLE FEATURE OF THE LIST 4 RECTIFIER ARE SET WITH DIP SWITCH 701. THE LOCATION OF DIP SWITCH 701 IS GIVEN IN FIGURE P ON SHEET F7. REFER TO THE LABEL LOCATED ON THE FRONT OF THE RECTIFIER FOR DIP SWITCH SETTINGS. THIS TABLE IS REPRODUCED IN FIGURE P ON SHEET F7. 26. THE DISTRIBUTION BUS BAR ARRANGEMENT AND CIRCUIT BREAKER MOUNTING ARE SHOWN PICTORALLY ON THE INSIDE OF THE DISTRIBUTION DOOR FOR INSTALLATION AND MAINTENANCE REFERENCE. THIS PICTORIAL IS REPRODUCED IN FIGURE "Q" ON SHEET F8. CIRCUIT BREAKER AND CABLING POSITIONS ARE GIVEN IN FIGURE N ON SHEET F7. 27. REFER TO SHEET F4, F5, F6 AND F8 FOR CABLE ROUTING AND FIELD WIRING INFORMATION. 28. REFER TO SHEET F2 FOR BRACKET MOUNTING POSITIONS FOR LIST K1, K2, KA AND KB.
- 29. WHEN ROUTING CABLES SHOWN IN SECT. D-D AND VIEW B-B, CABLES MUST LIE WITHIN AREA SHOWN. IF CABLES EXTEND BEYOND WIDTH OF FRAME, THEY CAN INTERFERE WITH STILE STRIPS. PLACE LABELS AS SHOWN TO MARK RECTIFIER POSITIONS.
- 31. TERMINAL BLOCKS IN CONTROLLER CIRCUIT PACKS ARE SEPARABLE CONNECTORS THAT CAN BE REMOVED FROM THE BOARDS FOR WIRE INSTALLATION.
- 32. TEMPLATE (ITEM 90) TO BE ATTACHED TO FRAMEWORK (ITEM 11) FOR SHIPPING. ATTACHMENT TO FRAMEWORK UPRIGHT (S) IS RECOMMENDED.
- 33. FOR EASE OF RECTIFIER INSTALLATION AND FUTURE GROWTH WHEN THE LIST 4 OPTION IS ORDERED, IT IS RECOMMENDED THAT ALL AC INPUTS TO THE RECTIFIER SHELF ASSEMBLIES BE WIRED AT INITIAL INSTALLATION. AC INPUT FOR RECTIFIERS 1, 2, 3 SHALL BE TO THE RIGHT RACEWAY, AND 4, 5, 6 SHALL BE TO THE LEFT RACEWAY. REFER TO SHEET F9 FIGURES AC & AD FOR WIRE ROUTING.

ENGINEERING NOTES

- 51. INFORMATION FURNISHED PER THIS DRAWING IS IN ACCORDANCE WITH THE PRODUCT MANUAL SPECIFIED BY SELECT CODE 115-028.
 - 52. THE LOW VOLTAGE DISCONNECT/RECONNECT FEATURE IS NOT FIELD UPGRADABLE.
 - 53. THE J855010-1 CONTROLLER IS CONFIGURED BY THE SHOP FOR -54.0 FLOAT SYSTEMS, WITHOUT EQUALIZE CHARGING. (SEE TABLE R)
- | ALARM LEVEL | |
|---------------|-------------------|
| BD | -53.0V |
| HV (FLOAT) | -55.0V |
| HV (EQUALIZE) | -57.0V (DISABLED) |
- TO CONFIGURE THE CONTROLLER WITH OTHER SETTINGS, THE ENGINEER SHALL PROVIDE THE INSTALLER WITH THE NECESSARY INFORMATION PER J855010-1 DRAWING.
- 54. STILE STRIPS PER LISTS KA AND KB ARE USED TO IMPROVE THE AESTHETICS OF THE POWER PLANT BY COVERING THE FRAME UPRIGHTS, CONCEALING THE EQUIPMENT MOUNTING SCREWS AND PROVIDING AN ENCLOSED CABLEWAY.
 - 55. THE PLANT IS FACTORY CONFIGURED FOR A -42.5 LOW VOLTAGE DISCONNECT. TO CONFIGURE THE PLANT WITH A -40.5 LOW VOLTAGE DISCONNECT, THE INSTALLER SHALL CONNECT JUMPERS J505.1 AND J505.2 ON THE BAD1 CIRCUIT PACK (CP3) ACROSS PINS 2 AND 3 OF P505.1 AND P505.2 RESPECTIVELY. SEE TABLE S. JUMPER LOCATIONS ARE GIVEN IN FIGURE J ON SHEET F6.
 - 56. NOTE 56 REMAINS ON THE DRAWING FOR RECORD PURPOSES ONLY. IT HAS BEEN SUPERSEDED BY NOTE 85. ANCHOR MATERIAL IS FURNISHED PER LIST 1, 2 AND K22 FOR INSTALLATION OF FRAMEWORK. (SEE NOTE 10)
 - 57. ASSIGNMENT OF CIRCUIT BREAKERS IS CRITICAL IN ORDER NOT TO BLOCK CIRCUIT BREAKER OR DISTRIBUTION GROWTH. IF THE DISTRIBUTION FEEDERS LEAVE THE BAY TO THE LEFT, EQUIP CIRCUIT BREAKERS STARTING WITH POSITION 1 IF THE DISTRIBUTION FEEDERS LEAVE THE BAY TO THE RIGHT, EQUIP CIRCUIT BREAKERS BEGINNING WITH POSITION 42.
 - 58. LIST K22 (BATTERY SUPPORT BASE) MUST BE ORDERED ONLY WHEN LIST 20, 21 OR 23 (VR BATTERIES) ARE MOUNTED ON FRAMEWORK PER LIST 1, LIST 2, OR LIST 3. (MAXIMUM OF 1 LIST K22 PER LIST 1, LIST 2, OR LIST 3).

ENGINEERING NOTES (CONT'D)

- 59. ENGINEER TO SPECIFY CIRCUIT BREAKER POSITIONS FOR FIELD INSTALLATION BY INSTALLER (SEE NOTE 12). THE 45A AND 60A CIRCUIT BREAKERS ARE RECOMMENDED ONLY FOR THE BOTTOM ROWS (I.E. EVEN POSITIONS FROM 2 THROUGH 20 AND ODD POSITIONS FROM 23 THROUGH 41). BALANCE THE LOAD EVENLY BETWEEN SIDES.
 - 60. SEE NOTE 22.
 - 61. SEE NOTE 12.
 - 62. SEE NOTE 17.
 - 63. LIST K1 (BLANK PANELS) TO BE ORDERED ONLY IN CONJUNCTION WITH LISTS KA OR KB.
 - 64. TYPICAL PLANT CONFIGURATIONS ARE SHOWN IN FIGURES R AND S OF SHEET F5. ENGINEER TO ORDER APPROPRIATE BATTERY CABLE KITS PER TABLE U. (SEE NOTE 21)
 - 65. SPARE PARTS SHALL BE PROVIDED PER TABLE T, AND FURNISHED ONLY IN ACCORDANCE WITH CUSTOMERS REQUEST.
 - 66. SEE NOTE 25.
 - 67. EARTHQUAKE BRACING (LIST K21) IS REQUIRED FOR FRAMEWORKS EQUIPPED WITH VR BATTERIES (LIST 20, 21, 22 OR 23) IN EARTHQUAKE ZONES 3 AND 4 (SEE TABLE Z). ONE LIST K21 REQUIRED PER LIST 20 OR 22. TWO LIST K21'S REQUIRED PER LIST 21 OR 23.
 - 68. FLOOR PLAN DATA IS GIVEN ON SHEET G1. THIS INFORMATION INCLUDES HEAT RELEASE DATA, WEIGHT, FOOTPRINT, AND FLOOR LOADING INFORMATION.
 - 69. WHEN EXTENSION PANEL ASSEMBLY (LIST K24) IS REQUIRED (SEE TABLE Z), ORDER ONE LIST K24 PER LIST 20 OR 22, OR TWO LIST K24 PER LIST 21 OR 23.
 - 70. ONE ED-83123-30 GROUP 4 (PANEL KIT) IS REQUIRED TO RETROFIT PLANTS SHIPPED PRIOR TO ISSUE 11 OF THIS DOCUMENT.
 - 71. SEE NOTE 12 FOR STANDARD APPLICATION. WHEN USING LARGE CABLE (8 AWG OR LARGER) FOR LOAD AND RETURN CONNECTIONS WITH 10, 20 OR 30 AMP CIRCUIT BREAKERS IN THE DISTRIBUTION, A TERMINAL ADAPTOR KIT MUST BE ORDERED (ONE PER CIRCUIT BREAKER), AND LUGS FOR LOAD AND RETURN MUST BE ORDERED FOR THE APPROPRIATE CABLE SIZE. THIS KIT INCLUDES ONE FULL POSITION NEXT TO THE CIRCUIT BREAKER IN THE GROWTH DIRECTION TO BE LEFT BLANK. THE 45 AND 60 AMP CIRCUIT BREAKERS TAKE UP TWO POSITIONS (SHOWN ON FIG. T OF SHEET F7) THE TERMINAL ADAPTOR KIT IS INCLUDED WITH THE 45 AND 60 AMP CIRCUIT BREAKERS. HOWEVER LUGS FOR LOAD AND RETURN MUST BE ORDERED FOR THE APPROPRIATE CABLE SIZE. LUG SIZES CAN BE DETERMINED FROM TABLE W. THE TERMINAL ADAPTOR KIT CAN BE ORDERED PER TABLE T.
 - 72. LIST 5, MICROPROCESSOR BOARD CP2 (NO SPEECH SYNTHESIS), IS A PLUG-IN BOARD USED IN THE ECS CONTROLLER. LIST 5 INCLUDES A CP2 BOARD, ITS BACKUP BATTERY, AND PRODUCT MANUAL.
 - 73. SYSTEM GROUND CONNECTION (CENTRAL OFFICE GROUND), SHOWN IN SECT. P ON SHEET F7, WILL ACCOMMODATE THE FOLLOWING CABLE AND LUG SIZES (ALL SIZED FOR 1/4 INCH BOLT):
- | AWG | WIRE | WIRE TYPE | LUG (TO LOAD) | NOTE | LUG (LOAD RETURN) |
|-----|------|-------------|---------------|------|-------------------|
| 6 | AWG | WP91412 L3 | 6 AWG | | |
| 4 | AWG | WP91412 L5 | 4 AWG | | |
| 2 | AWG | WP91412 L53 | 4 AWG | | |
| 1 | AWG | WP91412 L8 | 2 AWG | | |
- 74. ALL LIST 20 OR 21 ORDERED BEFORE 6-29-90 WILL BE FROM DRAWING ED-83242-30 AND SHOULD BE MARKED AS SUCH ON JOB RECORDS. AFTER THAT DATE, LISTS 20, 21, 22 AND 23 WILL BE FROM DRAWING ED-83242-31. BECAUSE THE TWO DESIGNS CANNOT BE MIXED IN A SINGLE FRAME, ANY SECOND STRINGS REQUIRED FOR EXISTING BAYS SHOULD BE ORDERED DIRECTLY OFF THE ED-83242-30.
 - 75. ALL ITEMS ON TABLE "A" ARE SEPARATE LISTS AND ARE ORDERED AS SEPARATE SHIPPING ENTITIES. FOR EXAMPLE, DO NOT ORDER J855000-1 LIST 1 EQUIPPED WITH 3 LIST 4.
 - 76. FRONT COVER SUPPLIED WITH LISTS 20 THRU 23.
 - 77. LIST 7, MICROPROCESSOR CIRCUIT PACK CP2 WITH VOICE RESPONSE, IS A PLUG-IN BOARD WHICH IS SHIPPED SEPARATELY. LIST 7 INCLUDES A CP2 BOARD EQUIPPED WITH SPEECH CHIPS, BACKUP BATTERY, AND PRODUCT MANUAL.
 - 78. LIST 8, DATALOGGER CIRCUIT PACK CP3, IS A PLUG-IN BOARD WHICH IS SHIPPED SEPARATELY. LIST 8 INCLUDES A CP3 BOARD, A SET OF CURRENT LIMITING RESISTOR ASSEMBLIES, AND A PRODUCT MANUAL.
 - 79. LIST 9, DATALOGGER CIRCUIT PACK CP3 WITH REMOTE TERMINATION PANEL, CONSISTS OF A PLUG-IN BOARD AND A TERMINATION UNIT WHICH ARE SHIPPED SEPARATE FROM CONTROLLER. LIST 9 INCLUDES A CP3 BOARD, A SET OF CURRENT LIMITING RESISTOR ASSEMBLIES, A TERMINATION UNIT WITH CABLE SET, AND A PRODUCT MANUAL. 80. CURRENT LIMITING RESISTOR ASSEMBLIES (PART OF LIST 8 OR 9) ARE REQUIRED IN THE INSTALLATION OF CP3 AND ARE CALIBRATED INTO THE DATALOGGER. ANALOG CHANNEL READINGS WILL NOT BE ACCURATE WITHOUT THESE RESISTORS. THEY ARE REQUIRED TO ENSURE THAT FIELD WIRING TO CP3 IS CLASS 2 PER NEC. (SEE PRODUCT OF MANUAL) 81. CP2 (LIST 5 OR 7) IS REQUIRED FOR CP3 (LIST 8 OR 9). 82. LIST K10, VOICE RESPONSE UPGRADE KIT, CONSISTS OF TWO SPEECH INTEGRATED CIRCUITS AND INSTRUCTIONS TO ADD THE VOICE RESPONSE FEATURE TO THE LIST 5.

ENGINEERING NOTES (CONT'D)

- 83. FOR ASSEMBLY OF THE TERMINATION PANEL (LIST K10) SEE DRAWING J855010D SUPPLIED WITH SERVICE KIT.
 - 84. FOR SYSTEM GROUND APPLICATIONS LARGER THAN THOSE SPECIFIED IN NOTE 73, USE ADAPTER KIT (ITEM 50) AS SHOWN IN SECT. S-S ON SHEET F7. THE ADAPTER KIT WILL ACCOMMODATE THE FOLLOWING CABLE AND LUG SIZES (ALL SIZED FOR 3/8 INCH BOLT).
- | AWG | WIRE | WIRE TYPE | LUG (TO LOAD) | NOTE | LUG (LOAD RETURN) |
|-------|-------|-------------|---------------|------|-------------------|
| 1/0 | AWG | WP91412 L56 | 1/0 AWG | | |
| 2/0 | AWG | WP91412 L57 | 1/0 AWG | | |
| 3/0 | AWG | WP91412 L77 | 2/0 AWG | | |
| 4/0 | AWG | WP91412 L59 | 3/0 AWG | | |
| ----- | ----- | WP91412 L27 | 4/0 AWG | | |
- 85. AS OF ISSUE 14 THE ANCHOR BOLTS FURNISHED WITH THIS FRAME HAVE BEEN REMOVED FROM THE STOCK LIST. REFER TO H859-407 FOR SELECTION OF THE ANCHOR BOLTS NECESSARY TO SECURE THIS FRAME TO THE FLOOR. IT IS RECOMMENDED THAT THE FOLLOWING GROUPS BE PROVIDED BASED ON EARTHQUAKE CERTIFICATION TESTING COMPLETED FOR THIS FRAME.
- | ZONE | GROUP | COMCODE |
|------|-------|-----------|
| 0-3 | 3 | 847135670 |
| 4 | 21 | 847221074 |

TABLE X - APPROVED EQUIVALENTS

ITEM	REF DESIG	DESCRIPTION	COMCODE	NOTE
	XA			
	XB			
	XC			
	XD			
	XE			

TABLE R: CONTROLLER FACTORY SETTINGS (FOR -54.0 V FLOAT) (SEE NOTES 7, 53, 55)

JUMPER SETTINGS					
BACKPLANE B46199502			113A CONTROL UNIT		
HEADER	JUMPER PINS	FUNCTION	HEADER	JUMPER PINS	FUNCTION
P602.1			P105	1 & 2	RESTART
P602.2	2 & 3	48 VOLTS	P106	1 & 2	FLOAT
P602.3	2 & 3	48 VOLTS	P107		FOR J855000-1 RECTIFIER SHELF
P602.4			P108		

SWITCH SETTINGS (CP1)					
0-OPEN, 1-CLOSED					
SWITCH	FUNCTION	-1	-2	-3	-4
SW101	HV/EQ LEVEL (-57 VOLTS)	1	1	0	0
SW102	HV/FL LEVEL (-55 VOLTS)	1	1	0	0
SW103	BD LEVEL (-53 VOLTS)	1	0	0	0
SW109	METER SHUNT (300 AMPS)	0	0	1	0

TABLE S: LOW VOLTAGE DISCONNECT SETTINGS (BAD1 CKT PACK-CP6) (SEE NOTES 8, 55)

HEADER	JUMPER PINS	FUNCTION
P505.1, P505.2	1 & 2	-42.5 VOLTS
P505.1, P505.2	2 & 3	-40.5 VOLTS

TABLE T - RECOMMENDED SPARE PARTS (SEE NOTE 65)

ORDERING CODE	DESCRIPTION	REFERENCE
J855000-1 LIST 4	36442 POWER UNIT	
B46835682	DC FAN (KS22501 L15)	
J855000-1 LIST 11	10A CIRCUIT BREAKER KIT (KS23616 L23)	
J855000-1 LIST 12	20A CIRCUIT BREAKER KIT (KS23616 L24)	
J855000-1 LIST 13	30A CIRCUIT BREAKER KIT (KS23616 L25)	
J855000-1 LIST 14	45A CIRCUIT BREAKER KIT (KS23616 L26)	
J855000-1 LIST 15	60A CIRCUIT BREAKER KIT (KS23616 L27)	
J855000-1 LIST 16	3A CIRCUIT BREAKER KIT (KS23616 L20)	
J855000-1 LIST 17	5A CIRCUIT BREAKER KIT (KS23616 L21)	
J855000-1 LIST 18	15A CIRCUIT BREAKER KIT (KS23616 L23)	
B46826378	CABLE KIT, RSA AC INPUT CABLES	
B46856147	TERM ADAPTER KIT (FOR B TO 2 AWG WIRE)	
105671746	113A2 CONTROL UNIT	CP1
105649297	CP-BAD1 LVD/FUSE BOARD	CP5
J855000-1 LIST 5	CP2 CIRCUIT PACK, I/W MANUAL & BATTERY	CP2
406281428	REPLACEMENT BATTERY FOR CP2 (CR-1/3N)	BT201
405626078	REPLACEMENT BATTERY FOR CP2 (CR1-1/3N)	BT2032
405673146	1 1/3 A FUSE (WP0247L7)	F501-F511
405181983	2 A FUSE (WP0247L9)	F512
405348178	WP91412 L52 FOR 8 AWG WIRE	
405347519	WP91412 L3 FOR 6 AWG WIRE	
405348202	WP91412 L53 FOR 4 AWG WIRE	
405348202	WP91412 L8 FOR 2 AWG WIRE	

TABLE U: BATTERY CABLE KIT ORDERING INFORMATION (SEE NOTES 64, 21)

ECS BATTERY PLANT CONFIGURATION A (SEE FIG. R SHEET F5)

STRING POSITION	LIST 1	LIST 2	LIST 1 & K20	LIST 2 & K20
POSITION 1	LIST K32	LIST K32	LIST K33	LIST K33
POSITION 2	LIST K32	LIST K32	LIST K33	LIST K33
POSITION 3	LIST K32	LIST K32	LIST K33	LIST K33
POSITION 4	LIST K32	LIST K32	LIST K33	LIST K33
POSITION 5	LIST K32	LIST K32	LIST K33	LIST K33
POSITION 6	LIST K30	LIST K31	LIST K31	LIST K31
POSITION 7	LIST K32	LIST K32	LIST K33	LIST K33

ECS BATTERY PLANT CONFIGURATION B (SEE FIG. S SHEET F5)

STRING POSITION	LIST 1	LIST 2	LIST 1 & K20	LIST 2 & K20
POSITION 1	LIST K32	LIST K32	LIST K33	LIST K33
POSITION 2	LIST K32	LIST K32	LIST K33	LIST K33
POSITION 3	LIST K32	LIST K32	LIST K33	LIST K33
POSITION 4	LIST K30	LIST K31	LIST K31	LIST K31
POSITION 5	LIST K32	LIST K32	LIST K33	LIST K33
POSITION 6	LIST K30	LIST K31	LIST K31	LIST K31
POSITION 7	LIST K30	LIST K31	LIST K31	LIST K31

TABLE V: TIGHTENING TORQUES (SEE NOTE 11)

COMPONENT	HARDWARE	TORQUE (In-lbs.)
LVD/B CONTACTOR	5/16 NUT	135
SHUNT	5/16 NUT	135
DISCHARGE RETURN	8-32 SCREW	11
LOAD LEADS	6-32 SCREW	5.5
BATTERY AND BATTERY RETURN	3/8 NUT	240
CABLE CONNECTIONS BETWEEN RECT. SHELF AND DISTRIBUTION	5/16 NUT	135
BATTERY POSTS	1/4 NUT	60
BATTERY TERMINAL PLATE ASSEMBLY	1/4 NUT	60
BATTERY STRING DISCONNECT BREAKER	1/4-20 SCR	60
FLOOR ANCHORS	1/2 NUT	60 (ft-lbs)

TABLE W: LOAD WIRE GAUGE AND LUG INFORMATION (SEE NOTES 12, 71)

CKT. BREAKER CAPACITY (AMPS)	WIRE GAUGE	WIRE TYPE	LUG (TO LOAD)		LUG (LOAD RETURN)		
			LUG	COMCODE	LUG	COMCODE	
10	14	KS-5482, L28FR	B481	406169979	B481	406169979	
10, 20	12		C481	403283192	WP91412L73	405356171	
10, 20, 30	10		C481	403283192	WP91412L73	405356171	
10, 20, 30, 45	8		WP91412L52	405348178	71	WP91412L52	405348178
	6		WP91412L3	405347519	71	WP91412L3	405347519
10, 20, 30, 45, 60	4		WP91412L5	405347576	71	WP91412L5	405347576
	2		WP91412L54	405348202	71	WP91412L54	405348202

TABLE Y: BATTERY CABLE AND LUG INFORMATION (SEE NOTES 21, 64)

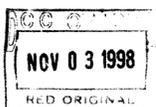
CABLE INFORMATION		LUG INFORMATION					
WIRE GAUGE	TYPE	TGB PART NO.	COMCODE	DIE COLOR	COMPRESSION TOOLS		
					TBM6 DIE NO.	TBM5 UPPER DIE	TBM6 LOWER DIE
1/0	KS20921	WP91412 L57	405348235	BLACK	13462	13455	13474
4/0	KS20921	WP91412 L27	405347923	YELLOW	13463	13456	13473

TABLE Z (SEE NOTES 67, 69)

ADDITIONAL EQUIPMENT REQUIRED PER STRING OF 2VR300E BATTERY

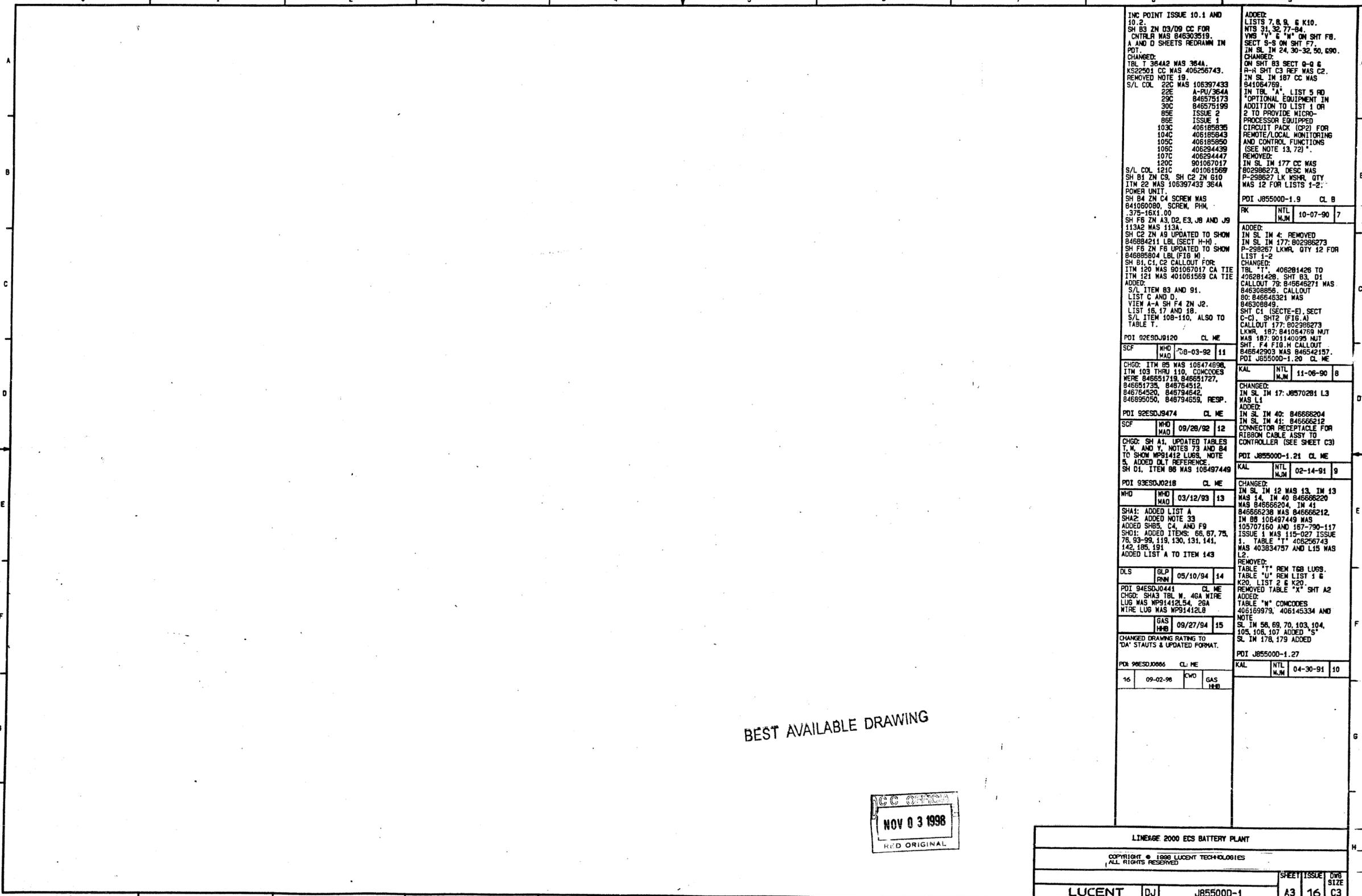
TOTAL NUMBER OF STRINGS INSTALLED IN BAY	EARTHQUAKE ZONE			
	ZONE 0 OR 1	ZONE 2	ZONE 3	ZONE 4
1 STRING, FLUSH FRONT	-	-	-	LIST K21
1 STRING, FLUSH BACK	-	-	LIST K24	LIST K21, K24
2 STRINGS, FLUSH FRONT	-	-	LIST K21	NOT RECOMMENDED
2 STRINGS, FLUSH BACK	-	LIST K24	LIST K21, K24	NOT RECOMMENDED

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LINEAGE 2100 60S BATTERY PLANT			
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SHEET	ISSUE	DATE	SIZE
LUCENT	DJ	J855000-1	A2 16 C3

0 1 2 3 4 5 6 7 8 9



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INC POINT ISSUE 10.1 AND 10.2.
SH B3 ZN 03/09 CC FOR CNTRLR WAS 846303519. A AND D SHEETS REDRAMN IN PDI.
CHANGED:
TBL T 364A2 WAS 364A.
KS22501 CC WAS 406256743.
REMOVED NOTE 19.
S/L COL 22C WAS 106397433
29C 846575173
30C 846575199
85E ISSUE 2
86E ISSUE 1
103C 406185835
104C 406185843
105C 406185850
106C 406294439
107C 406294447
120C 901067017
S/L COL 121C 401061569
SH B1 ZN C9, SH C2 ZN B10
ITM 22 WAS 106397433 364A POWER UNIT.
SH B4 ZN C4 SCREW WAS 841060980, SCREW, PHM, 375-15X1.00
SH F6 ZN A3, D2, E3, J8 AND J9 113A2 WAS 113A.
SH C2 ZN A9 UPDATED TO SHOW 846884211 LBL (SECT H-H)
SH F6 ZN F8 UPDATED TO SHOW 846885804 LBL (FIG M)
SH B1, C1, C2 CALLOUT FOR:
ITM 120 WAS 901067017 CA TIE
ITM 121 WAS 401061569 CA TIE
ADDED:
S/L ITEM B3 AND 91.
LIST C AND D.
VIEW A-A SH F4 ZN J2.
LIST 16, 17 AND 18.
S/L ITEM 108-110, ALSO TO TABLE T.
PDI 92ESDJB120 CL ME

ADDED:
LISTS 7, 8, 9, 6 K10.
NTS 31, 32, 77-84.
VWS 'V' & 'W' ON SHT FB.
SECT 8-8 ON SHT F7.
IN SL IM 24, 30-32, 50, 690.
ON SHT B3 SECT 0-0 & R-R SHT C3 REF WAS C2.
IN SL IM 187 CC WAS 841064759.
IN TR 'A', LIST 5 RD
OPTIONAL EQUIPMENT IN
ADDITION TO LIST 1 OR
2 TO PROVIDE MICRO-
PROCESSOR EQUIPPED
CIRCUIT PACK (CP2) FOR
REMOTE/LOCAL MONITORING
AND CONTROL FUNCTIONS
(SEE NOTE 13, 72).
REMOVED:
IN SL IM 177 CC WAS
802986273, DESC WAS
P-298627 LK WSHR, QTY
WAS 12 FOR LISTS 1-2.
PDI J855000-1.9 CL B

NTL 10-07-90 7
MJM

ADDED:
IN SL IM 4: REMOVED
IN SL IM 177: 802986273
P-298627 LK WSHR, QTY 12 FOR
LIST 1-2
CHANGED:
TBL 'T' 406281426 TO
406281426, SHT B3, D1
CALLOUT 79: 845648271 WAS
846308856, CALLOUT
80: 846545321 WAS
846308849.
SHT C1 (SECTE-E), SECT
C-C), SHT2 (FIG. A)
CALLOUT 177: 802986273
LNWR 187: 841064759 NJT
WAS 187: 901140095 NJT
SHT F4 FIG. H CALLOUT
846542903 WAS 846542157.
PDI J855000-1.20 CL ME

SCF WHO 08-03-92 11
MAD

CHGD: ITM 85 WAS 106474998,
ITM 103 THRU 110, COMCODES
WERE 84651719, 84651727,
84651735, 846754512,
846754520, 846794642,
846895050, 846794655, RESP.
PDI 92ESDJB474 CL ME

SCF WHO 09/28/92 12
MAD

CHGD: SH A1, UPDATED TABLES
T, M, AND Y, NOTES 73 AND 84
TO SHOW WP91412 LUGS, NOTE
S, ADDED DLT REFERENCE.
SH D1, ITEM 86 WAS 108497449
PDI 93ESDJB218 CL ME

WHO WHO 03/12/93 13
MAD

SHA1: ADDED LIST A
SHA2: ADDED NOTE 33
ADDED SHB3, C1, AND F8
SHD1: ADDED ITEMS: 66, 67, 75,
76, 93-99, 119, 130, 131, 141,
142, 185, 191
ADDED LIST A TO ITEM 143
REMOVED:
TABLE 'Y' REM TSS LUGS.
TABLE 'U' REM LIST 1 &
K20, LIST 2 & K20.
REMOVED TABLE 'X' SHT A2
ADDED:
TABLE 'W' COMCODES
406169979, 406145334 AND
NOTE
SL IM 58, 69, 70, 103, 104,
105, 106, 107 ADDED 'S'
SL IM 178, 179 ADDED
PDI J855000-1.27

KAL NTL 11-06-90 8
MJM

CHANGED:
IN SL IM 17: J8570281 L3
WAS L1
ADDED:
IN SL IM 40: 84666204
IN SL IM 41: 84666212
CONNECTOR RECEPTACLE FOR
RIBBON CABLE ASSY TO
CONTROLLER (SEE SHEET C3)
PDI J855000-1.21 CL ME

KAL NTL 02-14-91 9
MJM

CHANGED:
IN SL IM 12 WAS 13, IM 13
WAS 14, IM 40 84666220
WAS 84666204, IM 41
84666238 WAS 84666212,
IM 88 106497449 WAS
105707160 AND 167-790-117
ISSUE 1 WAS 115-027 ISSUE
1, TABLE 'T' 406256743
WAS 403834757 AND L15 WAS
L2.
REMOVED:
TABLE 'Y' REM TSS LUGS.
TABLE 'U' REM LIST 1 &
K20, LIST 2 & K20.
REMOVED TABLE 'X' SHT A2
ADDED:
TABLE 'W' COMCODES
406169979, 406145334 AND
NOTE
SL IM 58, 69, 70, 103, 104,
105, 106, 107 ADDED 'S'
SL IM 178, 179 ADDED
PDI J855000-1.27

PDI 98ESDJB086 CL ME

16 09-02-98 CWO GAS HER

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LUCENT	DJ	J855000-1	SHEET	ISSUE	DWG SIZE
			A3	16	C3

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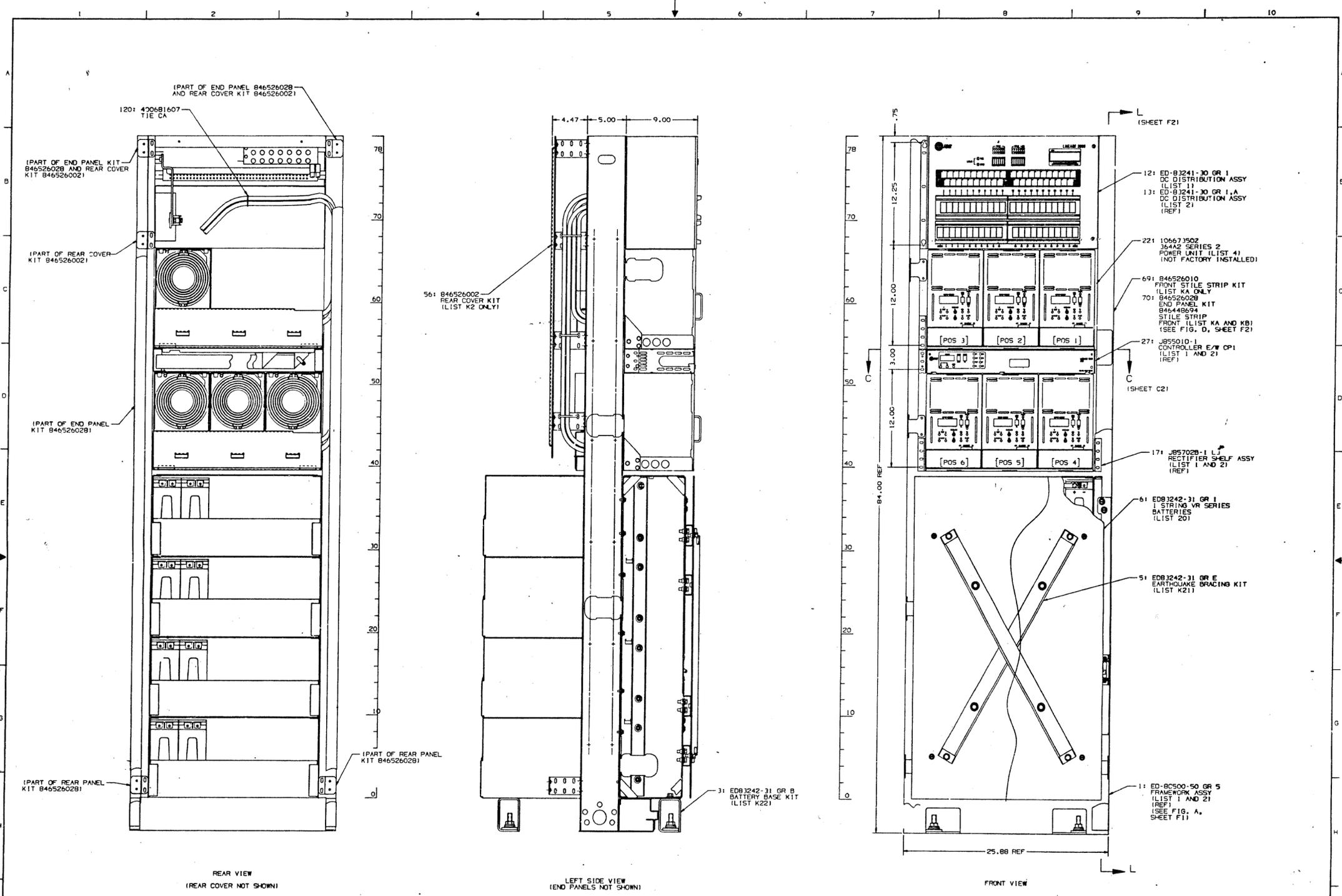


FIG. 1
 (LISTS 1, 2, 3, 4, 20, 21, K2, K21, K22, KA AND KB)
 (FOR LISTS 1 AND 2 ONLY, SEE FIG. 4)
 (SEE FIG. D (SHEET F2) FOR
 BRACKET MTO POSITION FOR LISTS K1, K2, KA & KB)

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LUCENT	DJ	J855000-1	SHEET 16 OF 16
			DWG SIZE C3

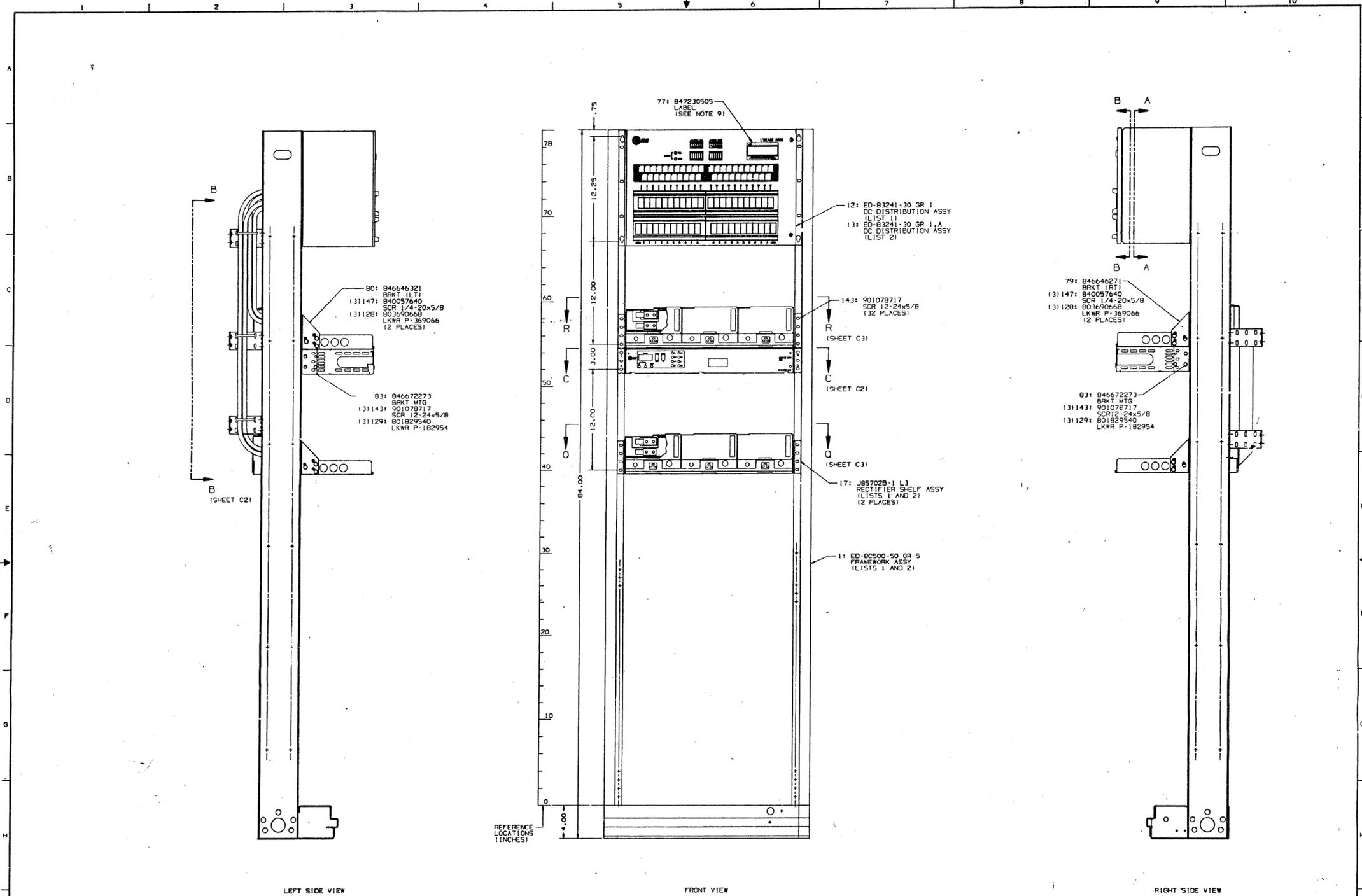
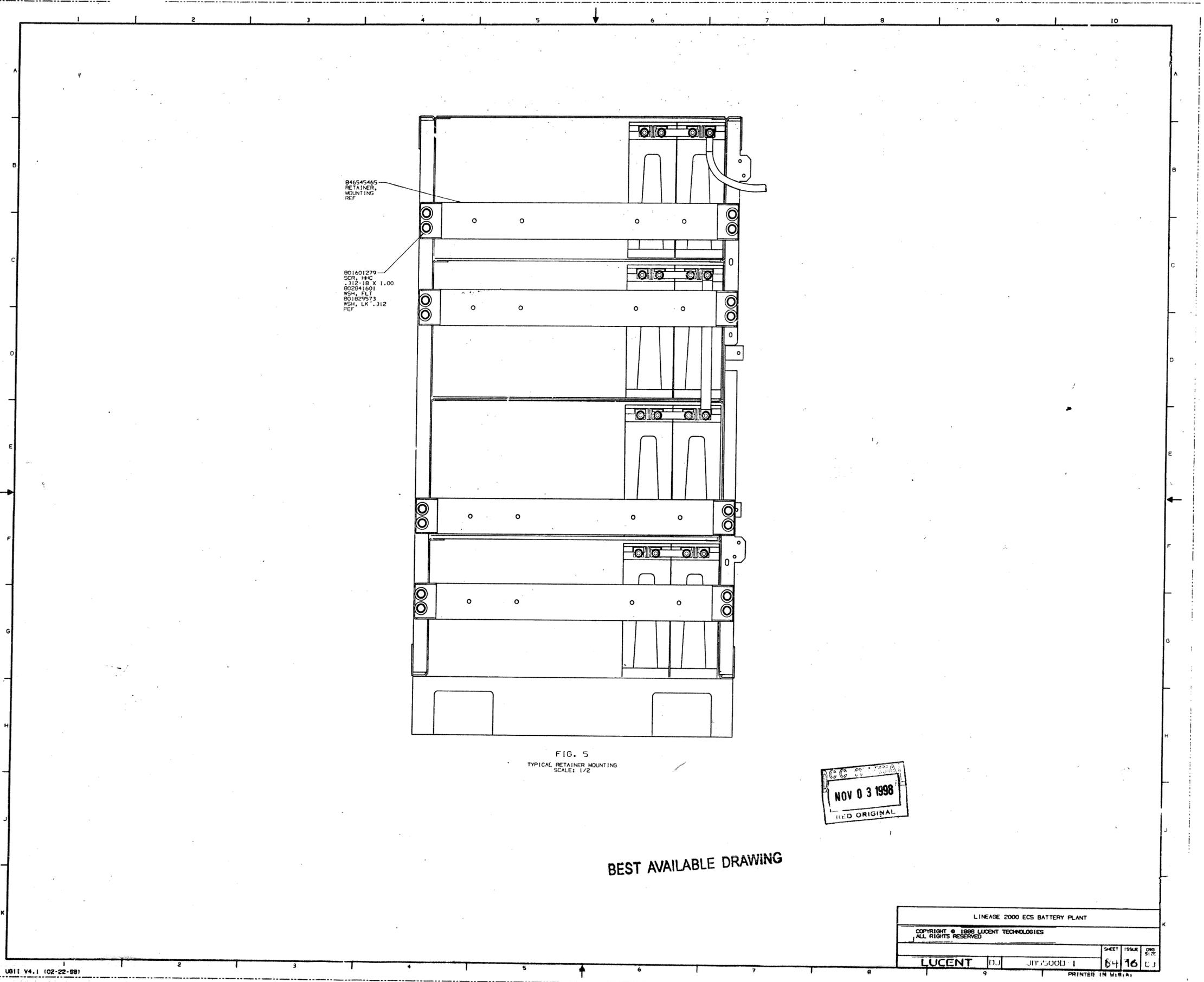


FIG. 4
(LISTS 1 AND 2 ONLY)

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LUCENT	DJ	J855000-1	B3 16 C3
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B46545465
RETAINER,
MOUNTING
REF

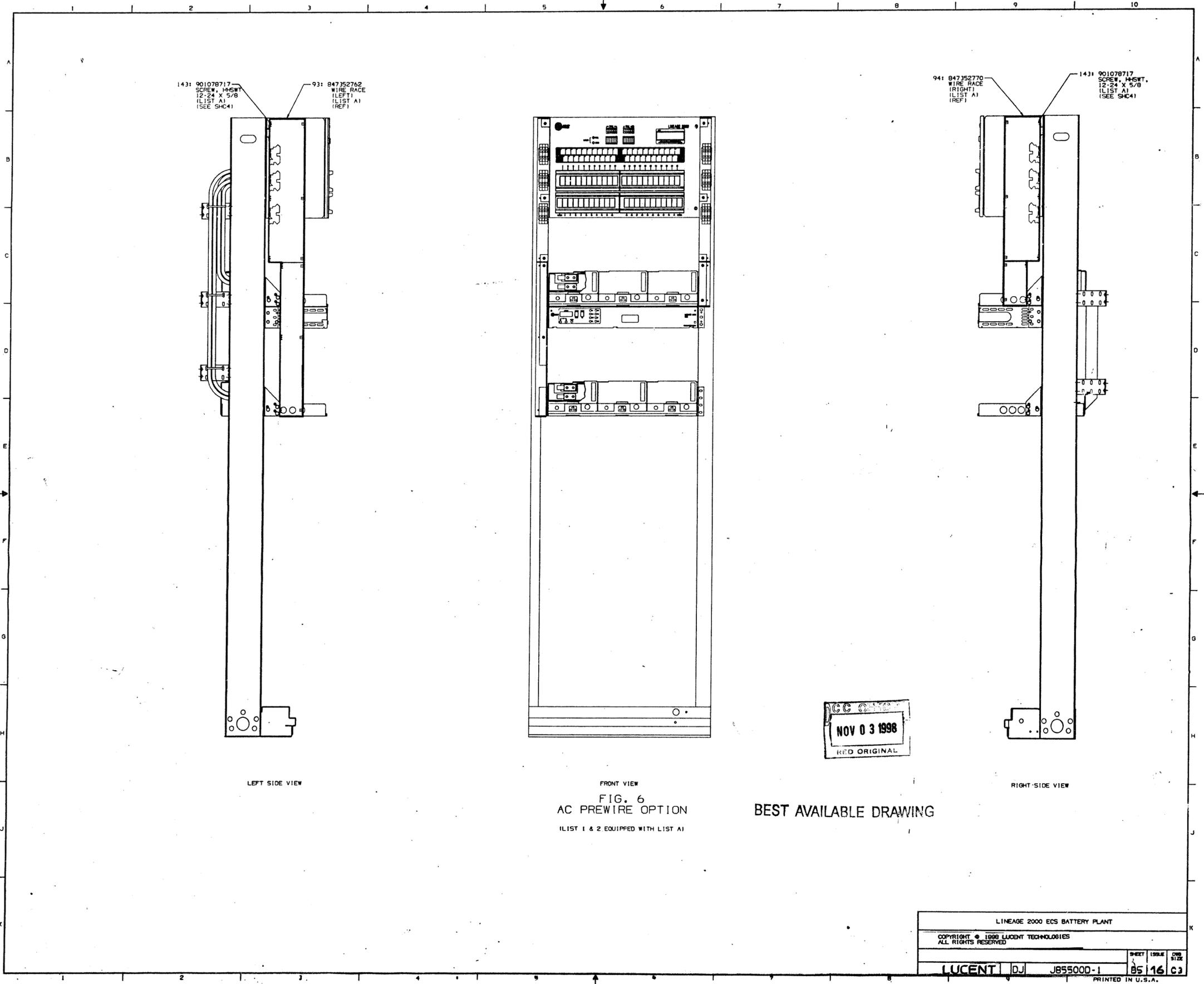
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WSH, FLT
B016029573
WSH, LK .312
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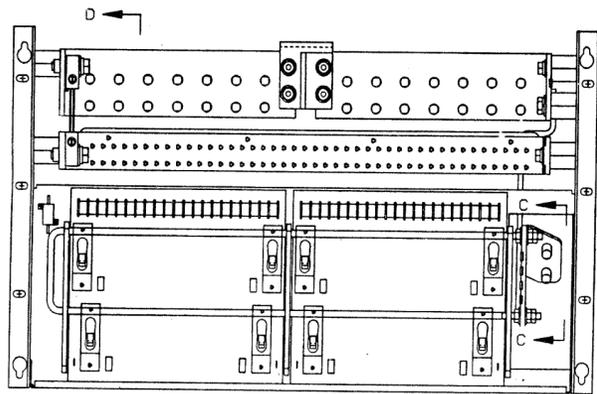
FIG. 5
TYPICAL RETAINER MOUNTING
SCALE: 1/2

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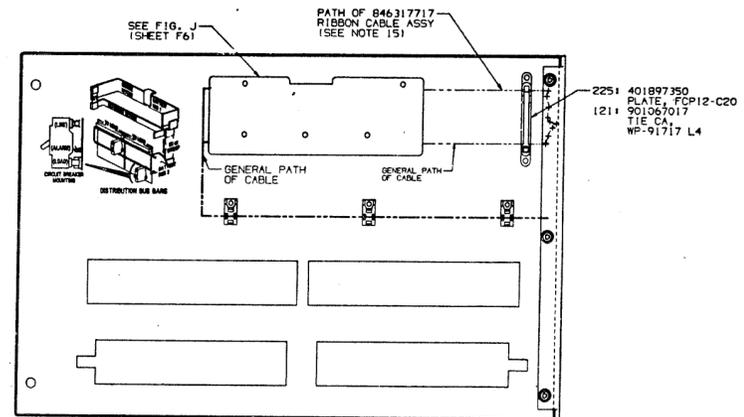
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LINEAGE 2000 ECS BATTERY PLANT			
COPYRIGHT © 1998 LUCENT TECHNOLOGIES ALL RIGHTS RESERVED			
LUCENT	JJ	JIM GOOD	1
SHEET	ISSUE	QWG	SIZE
64	16	UJ	
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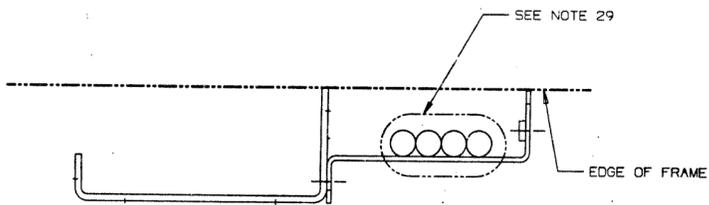


SECT. A-A
SCALE: 1/2
(FRONT VIEW OF DC DISTRIBUTION ASSEMBLY WITH DOOR REMOVED)

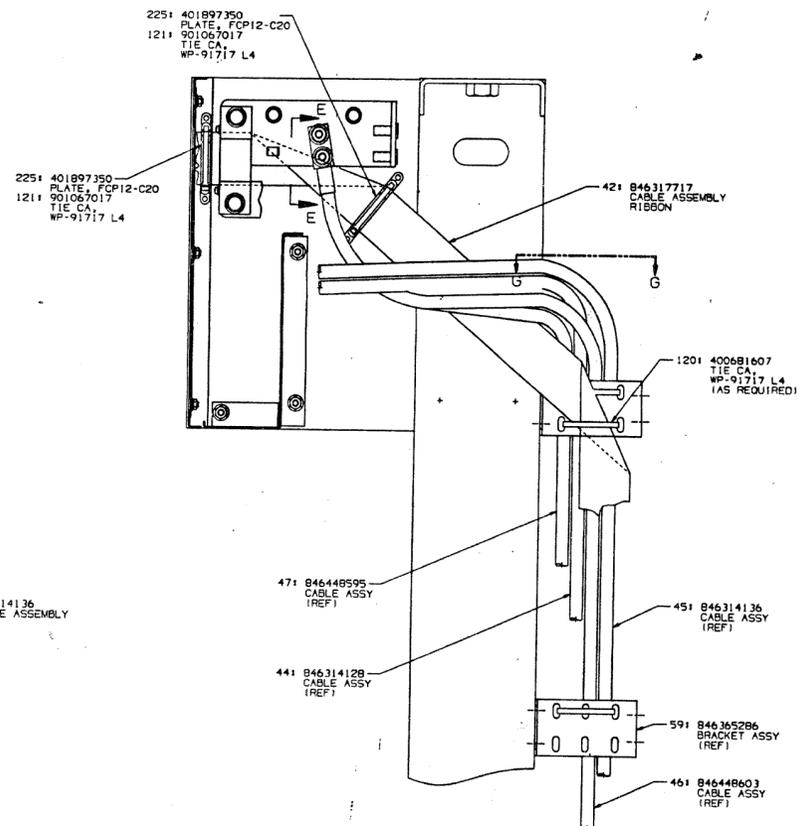


SECT. B-B
(REAR VIEW OF DC DISTRIBUTION ASSEMBLY DOOR)
SCALE: 1/2

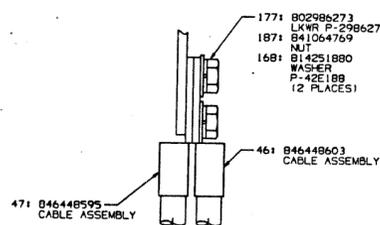
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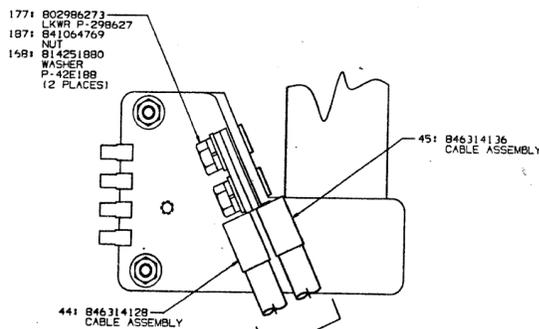
VIEW G-G



SECT. D-D
SCALE: 1/2



SECT. E-E
SCALE: 1/1



SECT. C-C
SCALE: 1/1

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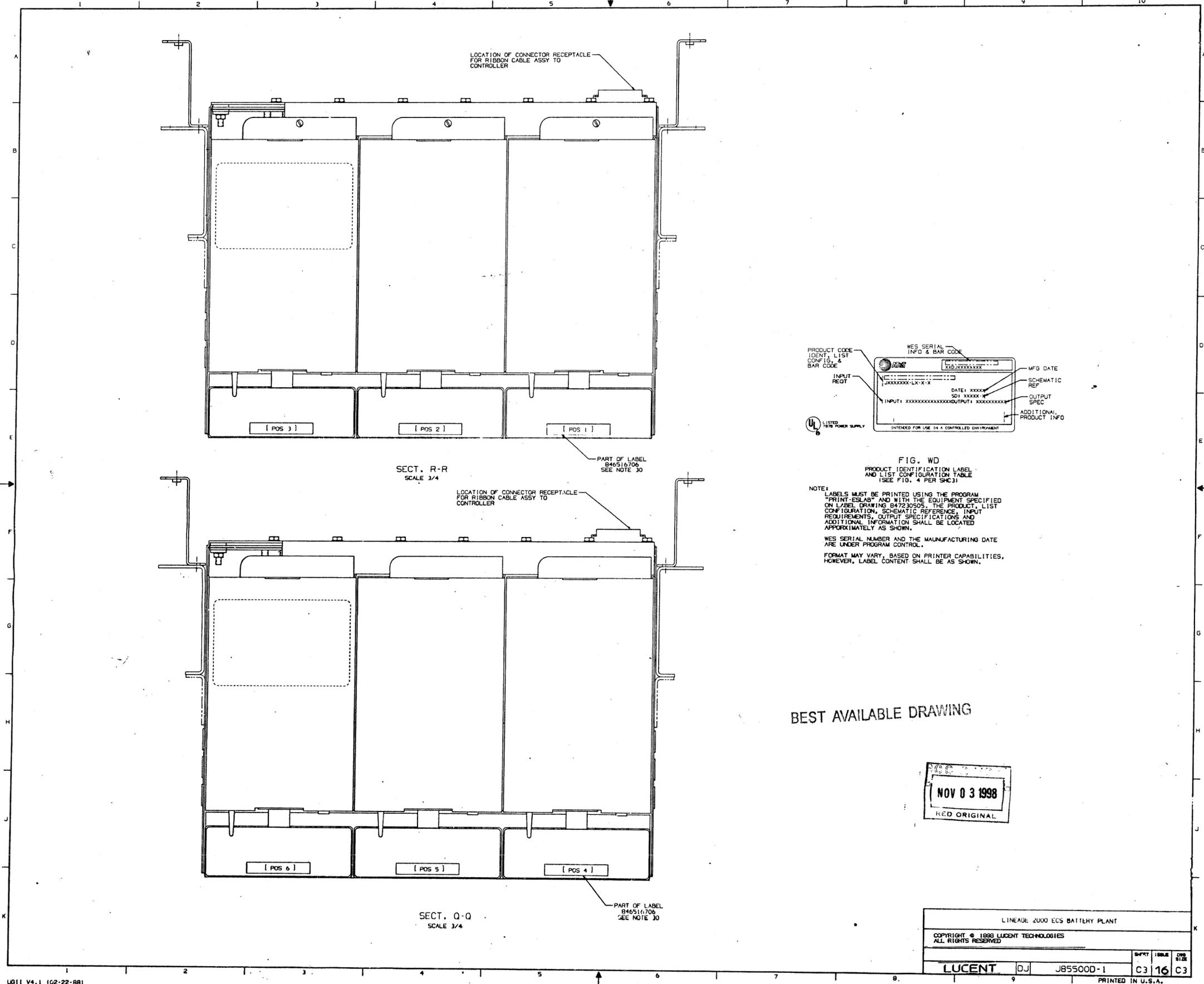


FIG. WD
PRODUCT IDENTIFICATION LABEL
AND LIST CONFIGURATION TABLE
 (SEE FIG. 4 PER SHC3)

NOTE:
 LABELS MUST BE PRINTED USING THE PROGRAM "PRINT-ESLAB" AND WITH THE EQUIPMENT SPECIFIED ON LABEL DRAWING B47239505. THE PRODUCT, LIST CONFIGURATION, SCHEMATIC REFERENCE, INPUT REQUIREMENTS, OUTPUT SPECIFICATIONS AND ADDITIONAL INFORMATION SHALL BE LOCATED APPROXIMATELY AS SHOWN.

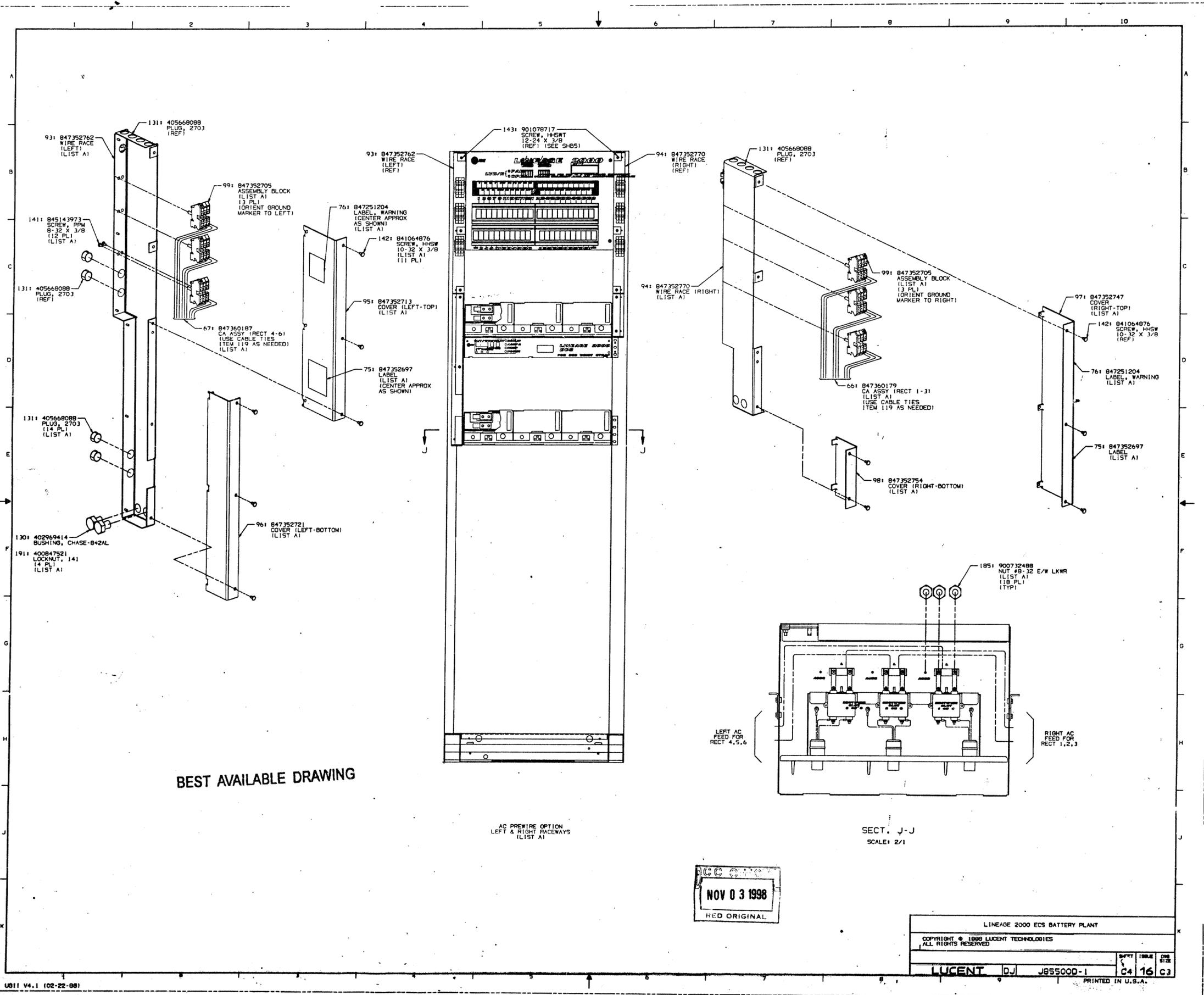
WES SERIAL NUMBER AND THE MANUFACTURING DATE ARE UNDER PROGRAM CONTROL.

FORMAT MAY VARY, BASED ON PRINTER CAPABILITIES, HOWEVER, LABEL CONTENT SHALL BE AS SHOWN.

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LINEAR 2000 ECS BATTERY PLANT			
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LUCENT	DJ	J85500D-1	DRY 1000 0128
		C3	16 C3



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LUCENT	DJ	J855000-1	REV 16
			PRINTED IN U.S.A.

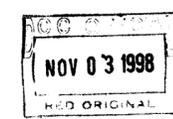
STOCKLIST						
A	B	C	D	E	F	G H
ITEM	LIST	QTY PER LIST	IDENTIFICATION NO. COMCODE DRAWING	DESCRIPTION	REFERENCE	NOTE SYM NO
1	1,2	1	ED-83242-31 G5	FRAMEWORK		
2	3	1	ED-83242-31 GA	SUPPLEMENTARY BAY		S
3	K22	1	ED-83242-31 GB	BATTERY BASE AND FLOOR MTG. HARDWARE		S
5	K21	1	ED-83242-31 GE	EARTHQUAKE BRACING KIT		S
6	20	1	ED-83242-31 G1	ONE STRING AT&T VR BATTERIES		S 18
7	21	1	ED-83242-31 G2	TWO STRINGS AT&T VR BATTERIES		S 18
8	22	1	ED-83242-31 G4	ONE 23-CELL STRING AT&T VR BATTERIES		S 18
9	23	1	ED-83242-31 G5	TWO 23-CELL STRINGS AT&T VR BATTERIES		S 18
10	20,22	1	ED-83242-31 GF	TERMINAL PLATE ASSEMBLY		S 20
11	21,23	2	ED-83242-31 GF	TERMINAL PLATE ASSEMBLY		S 20
11	K24	1	ED-83242-31 GG	EXTENSION PANEL ASSY		S 69
12	1	1	ED-83241-30 G1	DC DISTRIBUTION ASSY		
13	2	1	ED-83241-30 G1.A	DC DISTRIBUTION ASSY E/W LVD		
14	C	1	ED-83123-30 G2	ONE BATTERY STRING DISCONNECT SWITCH		S 13, 70
15	D	1	ED-83123-30 G10	ONE REVOTE POWER OFF (RPO) SWITCH		S 13
17	1,2	2	J857028-1 L3	RECTIFIER SHELF ASSY		
22	4	1	106673502	A-PU/36442 SERIES 2 POWER UNIT		S
24	K10	1	846616934	VOICE RESPONSE UPGRADE KIT		S
27	1,2	1	J855010-1 L1	CONTROLLER E/W CP1		
29	5	1	846882181	MICROPROCESSOR BOARD (CP2) KIT		S
30	7	1	846882139	MICROPROCESSOR BOARD (CP2) KIT WITH VOICE RESPONSE FEATURE		S
31	B	1	846575223	DATALOGGER BOARD (CP3) KIT		S
32	9	1	846632982	DATALOGGER BOARD (CP3) KIT WITH REMOTE TERMINATION PANEL		S
35	1,2	2	844218784	HOLD DOWN PLATE		DLT 10
36	1,2	4	841630155	HOLD DOWN WASHER		DLT 10
37	1,2	4	405889254	FLOOR ANCHOR BOLT, C00326520 (MILTI)		DLT 10
40	1,2	1	846666220	RIBBON CABLE ASSY		
41	1,2	1	846666238	RIBBON CABLE ASSY		
42	1,2	1	846317717	CABLE ASSEMBLY (RIBBON)		
44	1,2	1	846314128	CABLE ASSEMBLY		
45	1,2	1	846314136	CABLE ASSEMBLY		
46	1,2	1	846448603	CABLE ASSEMBLY		
47	1,2	1	846448595	CABLE ASSEMBLY		
50	1,2	1	846638575	SYSTEM GROUND ADAPTER (KIT)		DLT
51	K1	1	846525996	BLANK PANEL KIT		
55	K2	1	846526002	REAR COVER KIT		S
59	1,2	5	846365286	BRACKET ASSY		
62	K30	1	846481232	CABLE ASSEMBLY (K30)		S
63	K31	1	846481240	CABLE ASSEMBLY (K31)		S
64	K32	1	846481257	CABLE ASSEMBLY (K32)		S
65	K33	1	846481265	CABLE ASSEMBLY (K33)		S
66	A	1	847360178	CABLE ASSEMBLY (RECT 1-3)		
67	A	1	847360187	CABLE ASSEMBLY (RECT 4-6)		
69	KA	1	846526010	FRONT STILE STRIP KIT		S
70	I	1	846526029	END PANEL KIT		S
73	1,2	1	845511138	LABEL, PRODUCT IDENTIFICATION		DLT
74	1,2	1	846516706	LABEL, POSITION INDICATOR		
75	A	2	847352697	LABEL		
76	A	2	847251204	LABEL, WARNING		
77	1,2	1	847230505	LABEL, PRODUCT IDENTIFICATION		9
79	1,2	2	846646271	BRACKET, RSA RIGHT		
80	1,2	2	846646321	BRACKET, RSA LEFT		
82	1,2	2	846303519	BRACKET, CONTROLLER MTG		DLT
83	1,2	2	846612273	BRACKET, CONTROLLER MTG		
85	1,2	1	106744956	PRODUCT MANUAL (LINEAGE 2000 ECS CONTROLLER), SELECT CODE 167-790-031, ISSUE 3		DLT
86	1,2	1	106777097	PRODUCT MANUAL (LINEAGE 2000 SR SERIES RECTIFIER), SELECT CODE 169-790-117, ISSUE 3		DLT

STOCKLIST						
A	B	C	D	E	F	G H
ITEM	LIST	QTY PER LIST	IDENTIFICATION NO. COMCODE DRAWING	DESCRIPTION	REFERENCE	NOTE SYM NO
87	1,2	1	106499403	PRODUCT MANUAL (LINEAGE 2000 ECS PATTERY PLANT), SELECT CODE 115-028, ISSUE 3		DLT
88	1,2	1	106065485	LINEAGE 2000 BATTERY PLANT MANUAL (BINDER ONLY), SELECT CODE 115-003 ISSUE 2		DLT
89	1,2	1	846449031	SERVICE KIT (DRAWING PACKAGE)		DLT
90	1,2	1	846586840	TEMPLATE		DLT
91	1,2	1	846801919	LINEAGE 2000 BINDER		DLT
93	A	1	847352762	WIRE RACE (LEFT)		
94	A	1	847352770	WIRE RACE (RIGHT)		
95	A	1	847352713	COVER (LEFT - TOP)		
96	A	1	847352721	COVER (LEFT - BOTTOM)		
97	A	1	847352747	COVER (RIGHT - TOP)		
98	A	1	847352754	COVER (RIGHT - BOTTOM)		
99	A	6	847352705	ASSEMBLY BLOCK		
103	11	1	406746339	KS23616 L22 10A CIRCUIT BREAKER KIT		S 12
104	12	1	406746354	KS23616 L24 20A CIRCUIT BREAKER KIT		S 12
105	13	1	406746362	KS23616 L25 30A CIRCUIT BREAKER KIT		S 12
106	14	1	406746370	KS23616 L26 45A CIRCUIT BREAKER KIT		S 12
107	15	1	406746388	KS23616 L27 60A CIRCUIT BREAKER KIT		S 12
108	16	1	406746313	KS23616 L20 3A CIRCUIT BREAKER KIT		S 12
109	17	1	406746321	KS23616 L21 5A CIRCUIT BREAKER KIT		S 12
110	18	1	406746347	KS23616 L23 15A CIRCUIT BREAKER KIT		S 12
119	A	5	400681615	TIE CABLE		
120	1,2	8	400681607	TIE CABLE		
121	1,2	7	901067017	TIE CABLE-WP91717L4-.140X14.5		
125	1,2	3	405673146	FUSE, WP90247L7, 1-1/3A		DLT 4
126	1,2	1	405181983	FUSE, WP90247L9, 2A		DLT 4
130	A	4	402960414	BUSHING, CHASE-842AL		
131	A	14	405668088	PLUS, 2703		
141	A	12	845143973	8-32X3/8 SCR, PPM		
142	A	11	841064876	10-32X3/8 SCR, HHSW		
143	1,2	48	901078717	12-24X5/8 SCR, HHSW		
A		2	901078717	12-24X5/8 SCR, HHSW		
147	1,2	12	840057640	1/4-20X5/8 SCR, HHSW		
157	1,2	28	814251898	P-42E188 .401X1.015X.056 WASHER		DLT
158	1,2	12	814251880	P-42E188 .339X.890X.056 WASHER		DLT

STOCKLIST						
A	B	C	D	E	F	G H
ITEM	LIST	QTY PER LIST	IDENTIFICATION NO. COMCODE DRAWING	DESCRIPTION	REFERENCE	NOTE SYM NO
176	1,2	28	802296273	P-228677 .375E-D WASHER, LK		DLT 17
177	1,2	12	802296273	P-298627 .312E-D WASHER, LK		
178	1,2	12	803632642	P-369066 .250E-D WASHER, LK		
179	1,2	6	801829540	P-182954 .216E-D WASHER, LK		
185	A	18	900732488	8-32 NUT, E/W LKWR		
186	1,2	28	841064777	7/16-36 NUT, HEX		DLT 17
187	1,2	12	841064769	3/16-18 NUT, HEX		
191	A	4	400847521	LOCKWASHER, S41		
215	1,2	1	901181834	WRENCH, ALLEN 3/16"-110 (EXCLD)		DLT 4
220	1,2	2	403233752	RECEPT, 2-520194-2 (AMP)		DLT 4
225	1,2	5	401897350	PLATE, FCP12-C20 (HANDLIT)		

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INDEX	SH NO	01



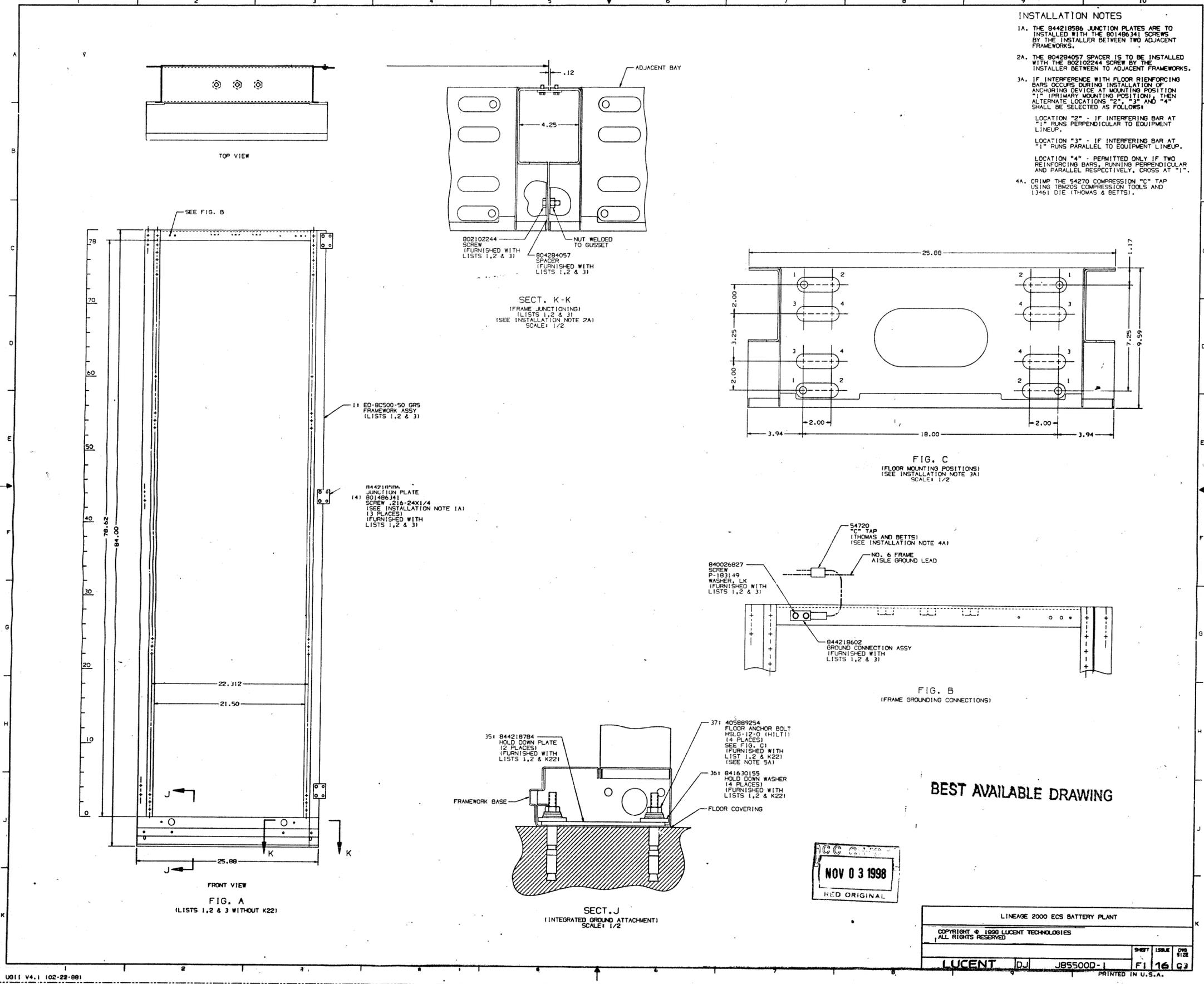
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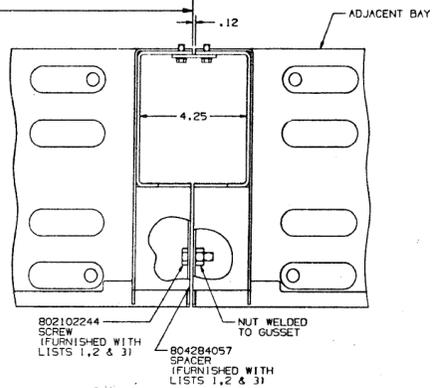
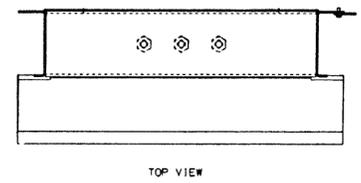
SHEET ISSUE DWG
D1 16 C3

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INSTALLATION NOTES

- 1A. THE 844218586 JUNCTION PLATES ARE TO BE INSTALLED WITH THE 801486341 SCREWS BY THE INSTALLER BETWEEN TWO ADJACENT FRAMEWORKS.
- 2A. THE 804284057 SPACER IS TO BE INSTALLED WITH THE 802102244 SCREW BY THE INSTALLER BETWEEN TWO ADJACENT FRAMEWORKS.
- 3A. IF INTERFERENCE WITH FLOOR REINFORCING BARS OCCURS DURING INSTALLATION OF ANCHORING DEVICE AT MOUNTING POSITION "1" (PRIMARY MOUNTING POSITION), THEN ALTERNATE LOCATIONS "2", "3" AND "4" SHALL BE SELECTED AS FOLLOWS:
 LOCATION "2" - IF INTERFERING BAR AT "1" RUNS PERPENDICULAR TO EQUIPMENT LINEUP.
 LOCATION "3" - IF INTERFERING BAR AT "1" RUNS PARALLEL TO EQUIPMENT LINEUP.
 LOCATION "4" - PERMITTED ONLY IF TWO REINFORCING BARS, RUNNING PERPENDICULAR AND PARALLEL RESPECTIVELY, CROSS AT "1".
- 4A. CRIMP THE 54270 COMPRESSION "C" TAP USING TM2005 COMPRESSION TOOLS AND 13461 DIE (THOMAS & BETTS).



SECT. K-K
(FRAME JUNCTION)
(LISTS 1, 2 & 3)
(SEE INSTALLATION NOTE 2A)
SCALE: 1/2

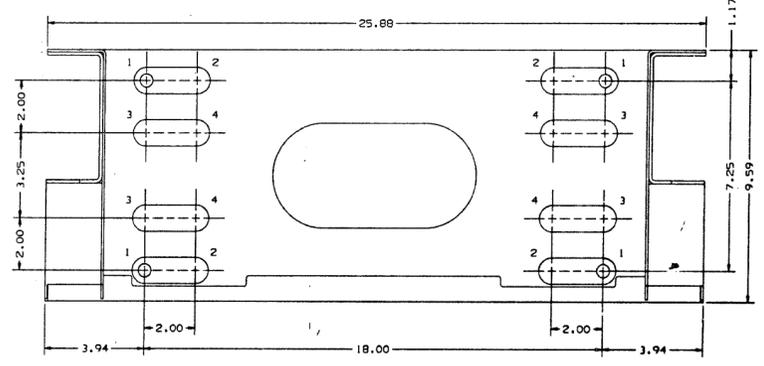


FIG. C
(FLOOR MOUNTING POSITIONS)
(SEE INSTALLATION NOTE 3A)
SCALE: 1/2

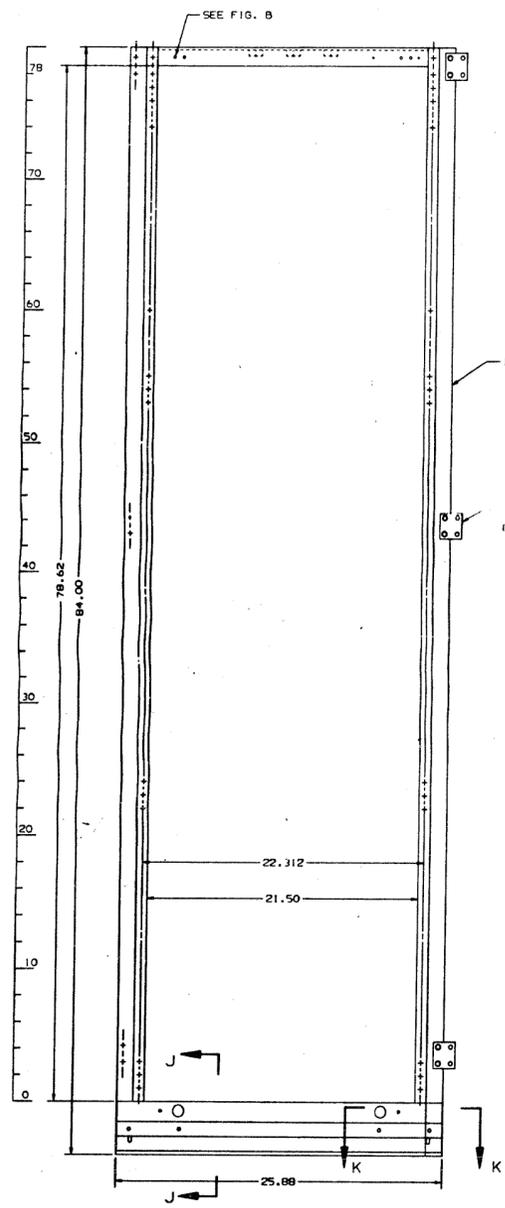


FIG. A
(LISTS 1, 2 & 3 WITHOUT K22)

11 ED-8C500-50 GRS FRAMEWORK ASSY (LISTS 1, 2 & 3)

844218586 JUNCTION PLATE (801486341) SCREW .216-24X1/4 (SEE INSTALLATION NOTE 1A) (3 PLACES) (FURNISHED WITH LISTS 1, 2 & 3)

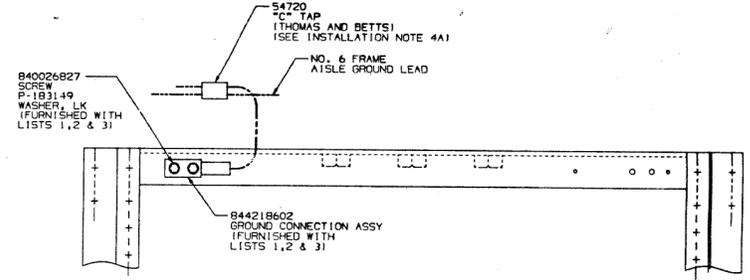
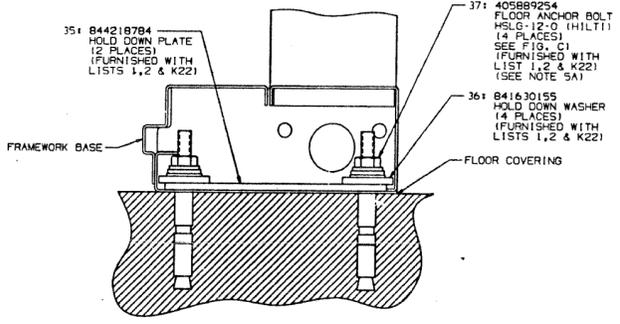


FIG. B
(FRAME GROUNDING CONNECTIONS)

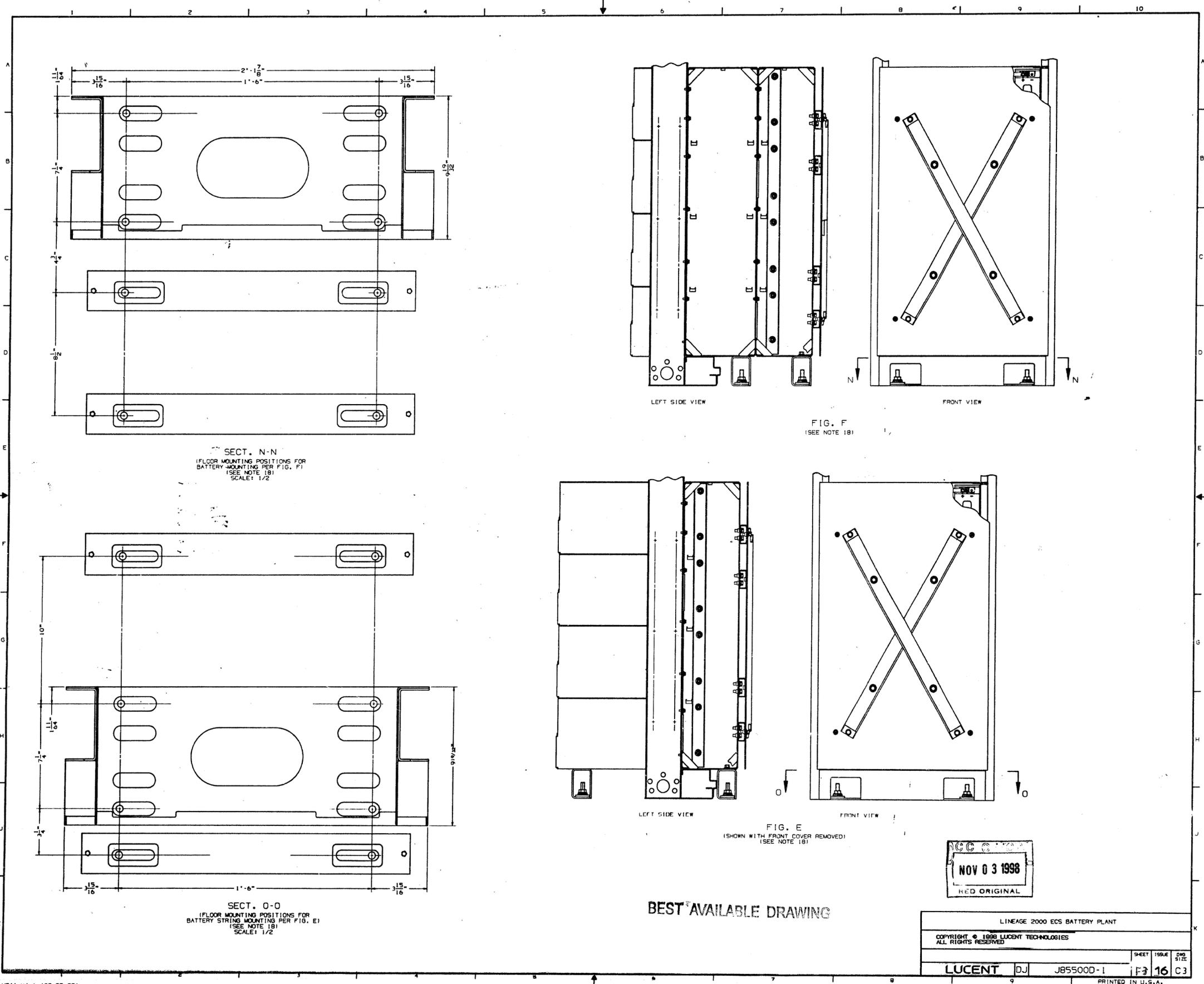


SECT. J
(INTEGRATED GROUND ATTACHMENT)
SCALE: 1/2

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SHEET	ISSUE	DWG #12
F1	16	G3
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SECT. N-N
 (FLOOR MOUNTING POSITIONS FOR
 BATTERY STRING MOUNTING PER FIG. F)
 (SEE NOTE 18)
 SCALE: 1/2

SECT. O-O
 (FLOOR MOUNTING POSITIONS FOR
 BATTERY STRING MOUNTING PER FIG. E)
 (SEE NOTE 18)
 SCALE: 1/2

LEFT SIDE VIEW

FRONT VIEW

LEFT SIDE VIEW

FRONT VIEW

FIG. E
 (SHOWN WITH FRONT COVER REMOVED)
 (SEE NOTE 18)

FIG. F
 (SEE NOTE 18)

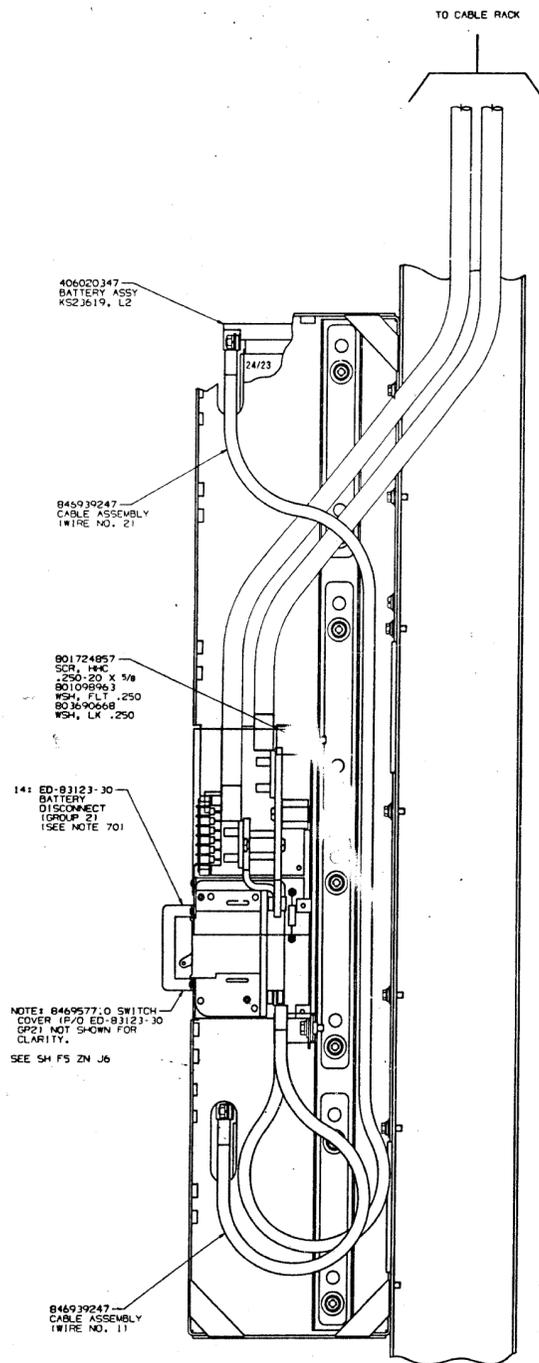
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1. CABLE KIT 846545580 IS PART OF LIST 20, 21, 22, 23 AND LIST K20 AND CONSISTS OF A LENGTH OF CABLE, HEAT SHRINK TUBING AND LUGS
 2. CUT CABLE TO FIT AS SHOWN IN VIEW A-A OR FIG. G STRIP ENDS 9/16 INCH AND CRIMP WITH TAB TOOL TBM15/15513

1. CABLE KIT 846545580 IS PART OF LIST 20, 21, 22, AND 23 CONSISTS OF A LENGTH OF CABLE, HEAT SHRINK TUBING AND LUGS
 2. CUT CABLE TO FIT AS SHOWN IN FIG. G STRIP ENDS 9/16 INCH AND CRIMP WITH TAB TOOL TBM15/15513



VIEW A-A
 SCALE: 1/2

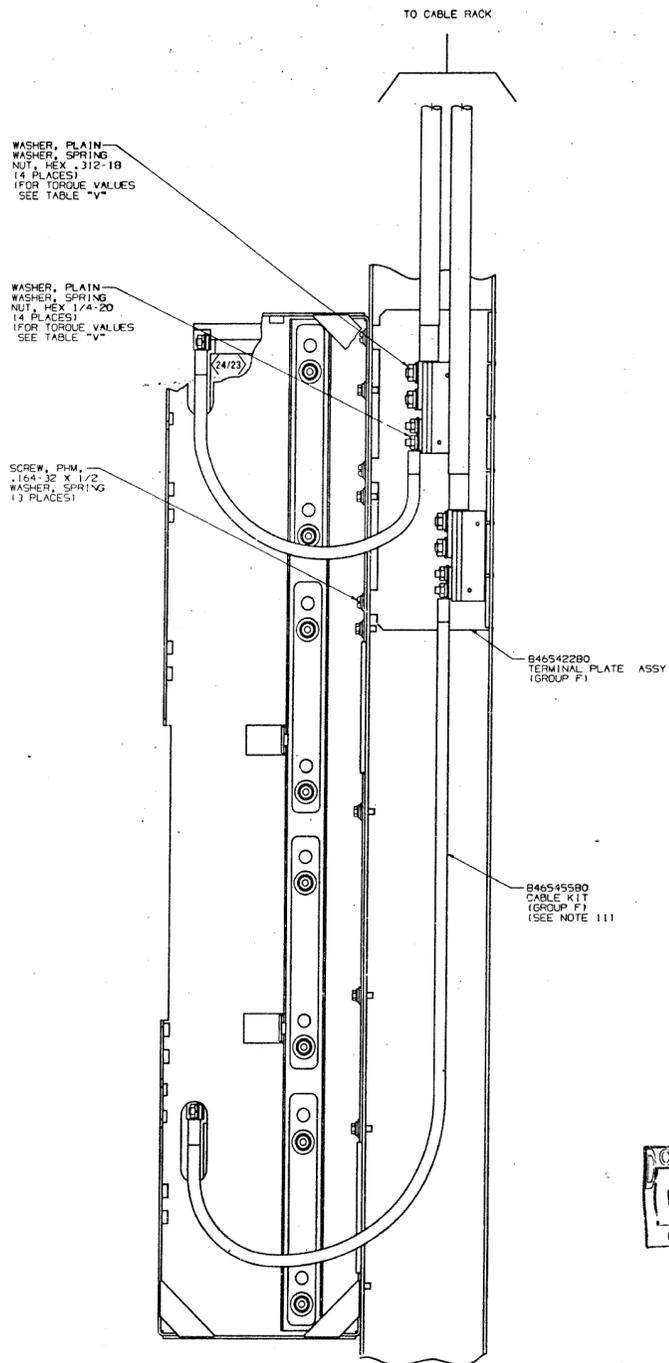


FIG. G
 SCALE: 1/2

THIS SHEET REFERS TO ITEMS FURNISHED WITH BATTERY ED-83242-31

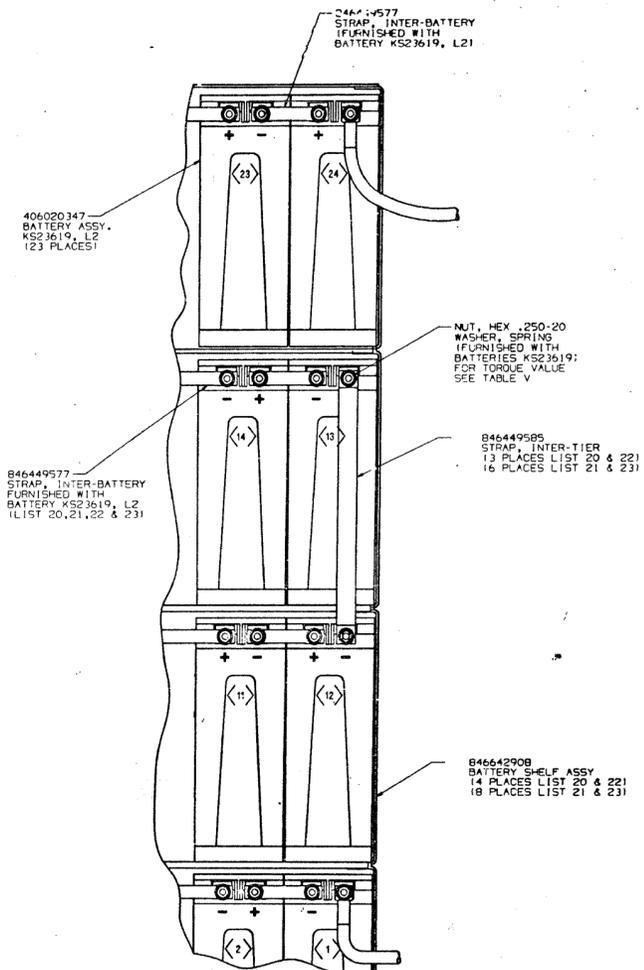


FIG. H
 SCALE: 1/2

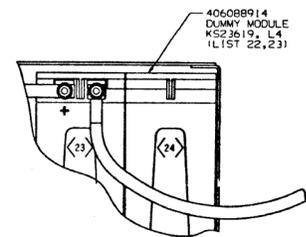
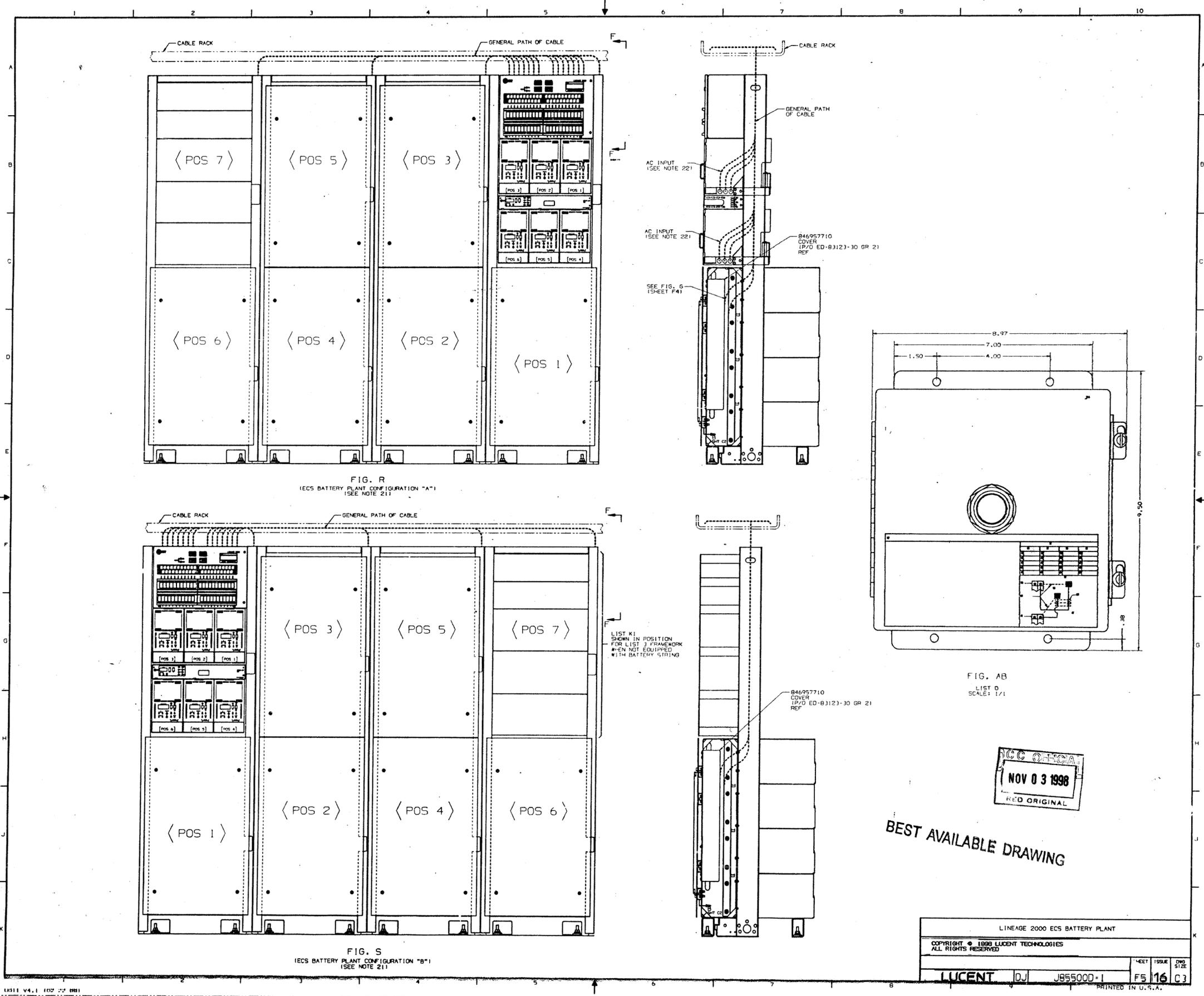


FIG. W
 SCALE: 1/2

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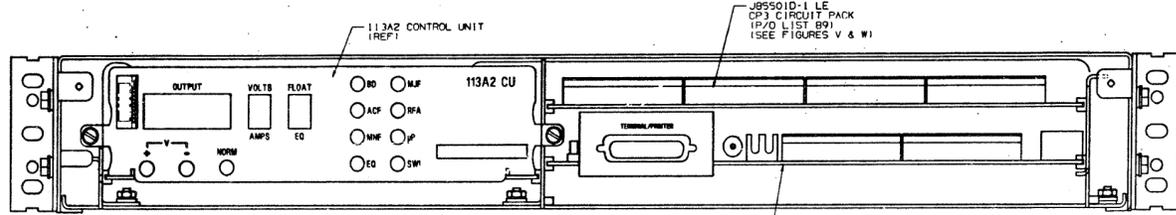
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SECT. M-M
(FRONT VIEW OF JB5501D-1 CONTROLLER)
SCALE: 1/1

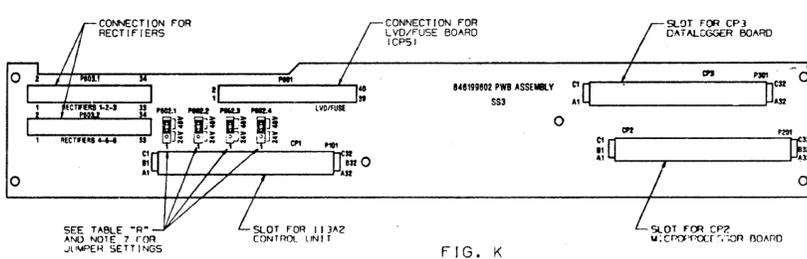


FIG. K
(JB5501D-1 CONTROLLER BACKPLANE)
SCALE: 1/1

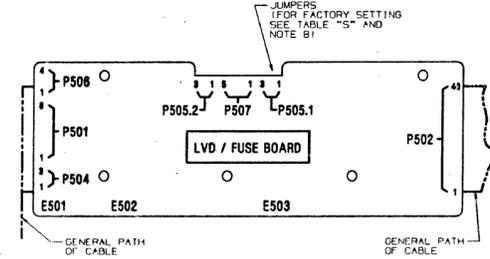


FIG. J
(LVD/FUSE BOARD)
SCALE: 1/1

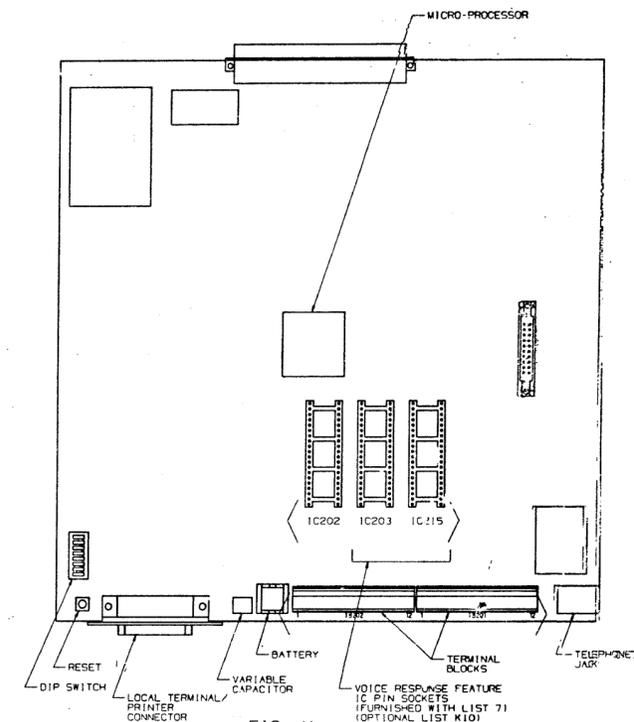


FIG. U
SCALE: 1/1

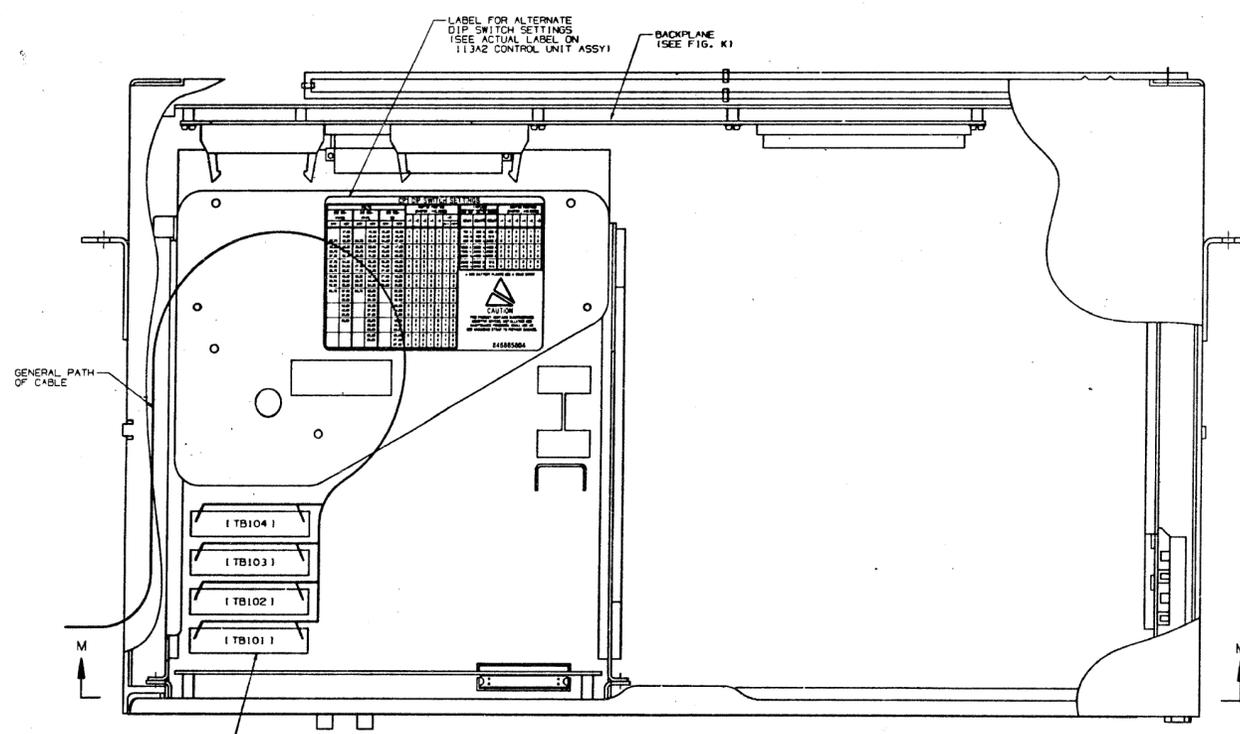


FIG. M
(CONTROLLER FIELD WIRING)
SCALE: 1/1

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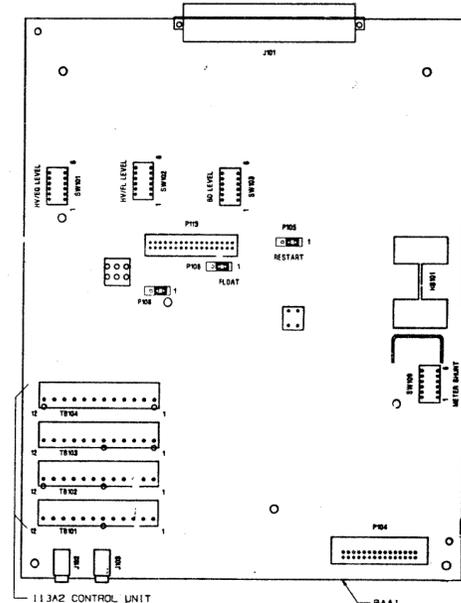
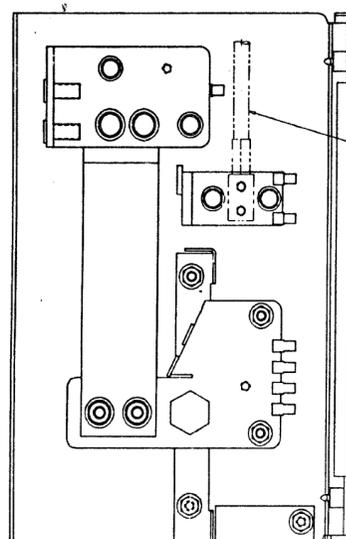


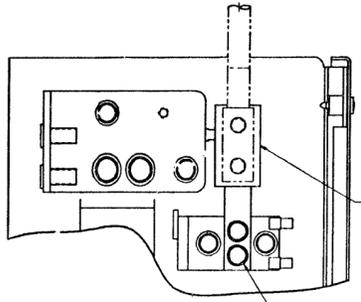
FIG. L
(SEE NOTE 7)
SCALE: 1/2

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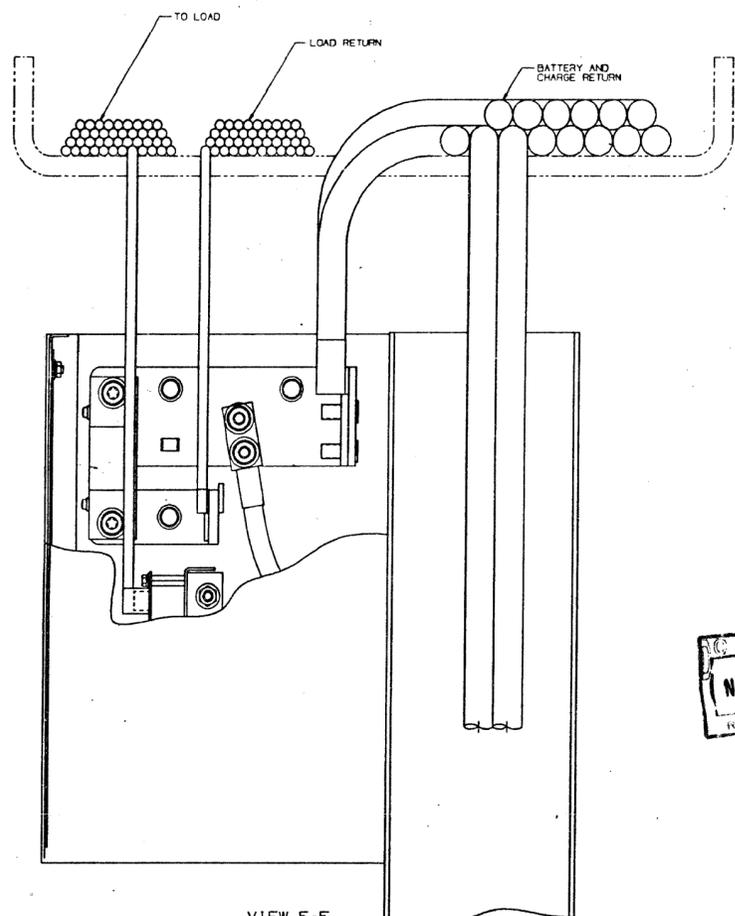
SECT. P-P
SCALE: 3/4



SECT. S-S
SCALE: 3/4

50: B46636575
SYSTEM GROUND
ADAPTER (KIT)
(SEE NOTE 64)

.250-20 HARDWARE
FURNISHED WITH
ADAPTER KIT



VIEW F-F
SCALE: 3/4
(SEE NOTE 27)

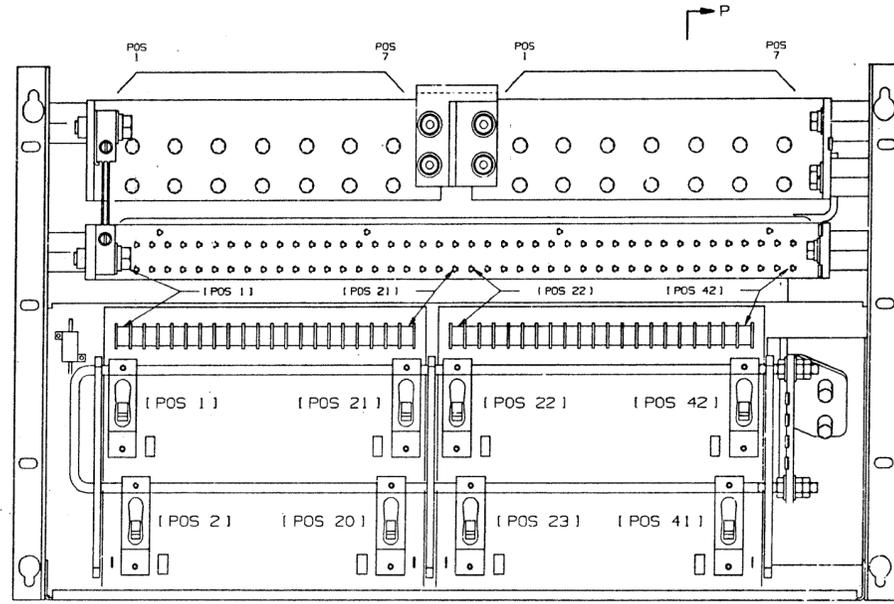


FIG. N
(SEE NOTE 26)
SCALE: 3/4

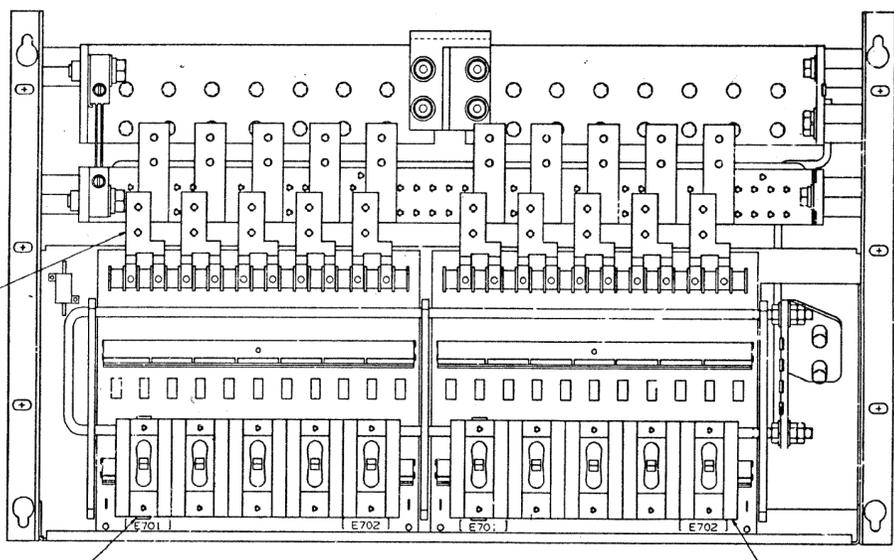


FIG. T
(DISTRIBUTION ASSY ED83241-30 GR1) SHOWN WITH LIST 14 OR 15 (CIRCUIT BREAKER INSTALLED)
SCALE: 3/4

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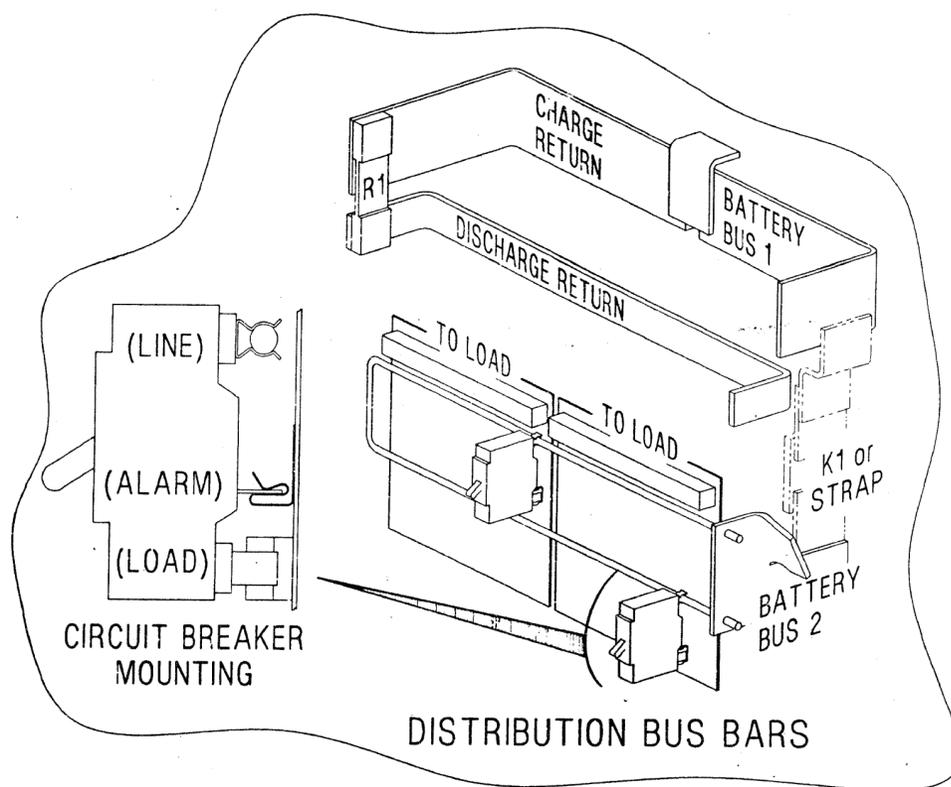


FIG. O
 (SEE NOTE 26)
 SCALE: 2/1

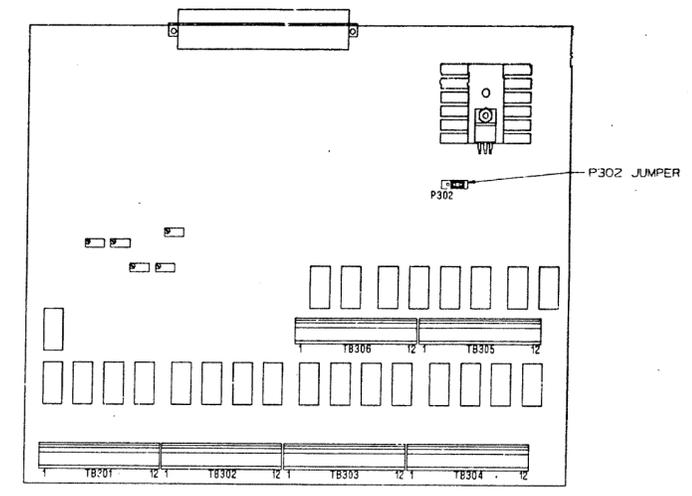


FIG. V
 SCALE: 1/1

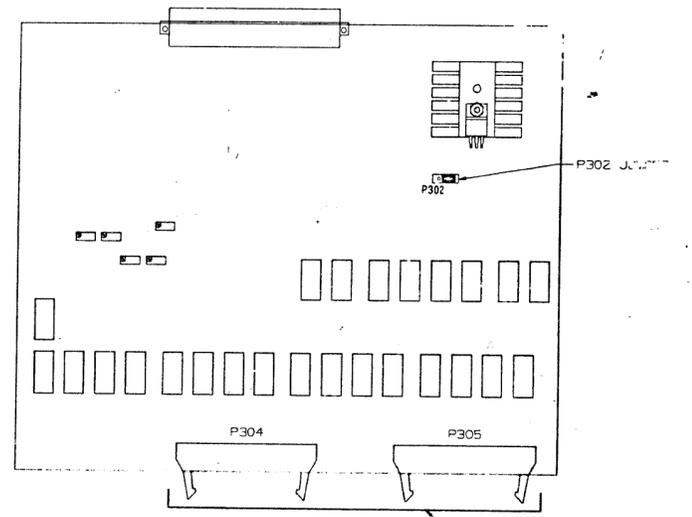


FIG. W
 SCALE: 1/1

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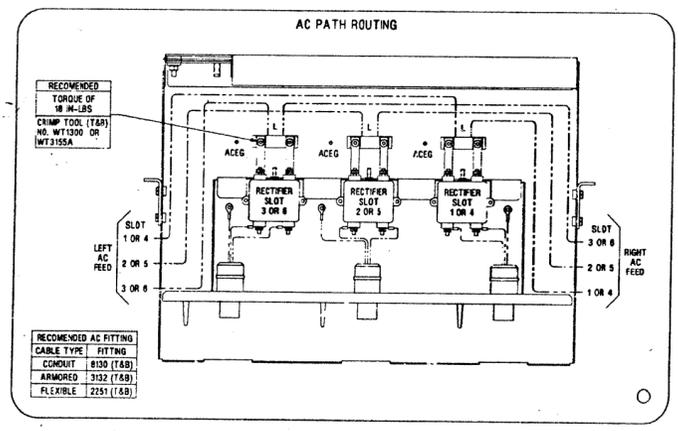


FIG. O
 (SEE NOTE 22)
 SCALE: 2/1

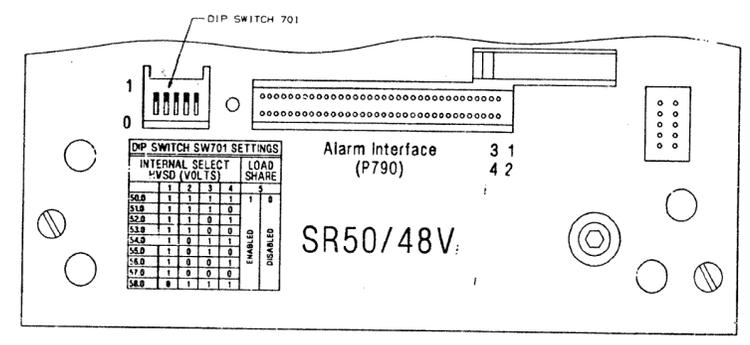


FIG. P
 (SEE NOTE 25)
 SCALE: 2/1

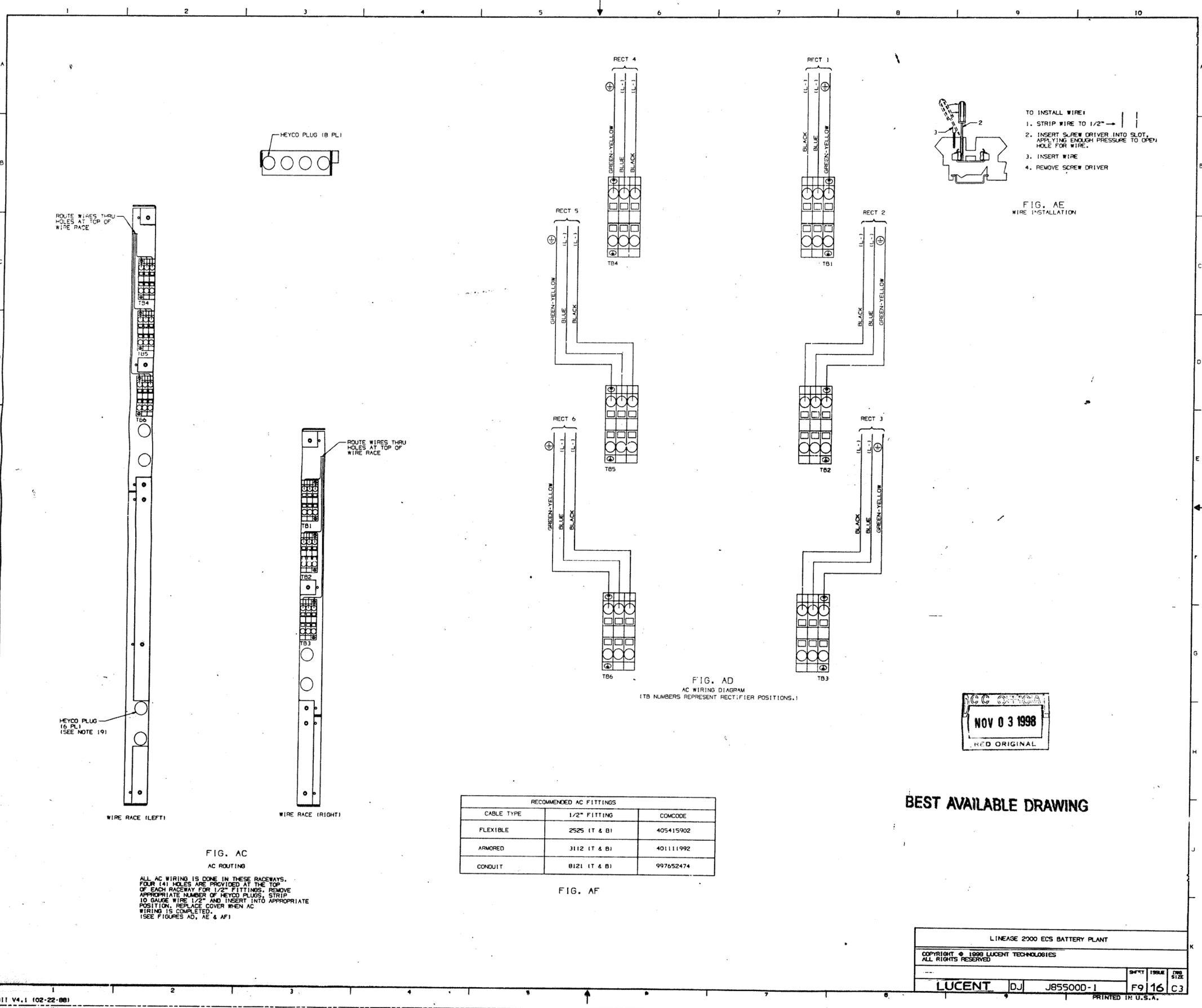
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RECOMMENDED AC FITTINGS

CABLE TYPE	1/2" FITTING	COMCODE
FLEXIBLE	2525 (T & B)	405415902
ARMORED	3112 (T & B)	401111992
CONDUIT	8121 (T & B)	997652474

FIG. AF

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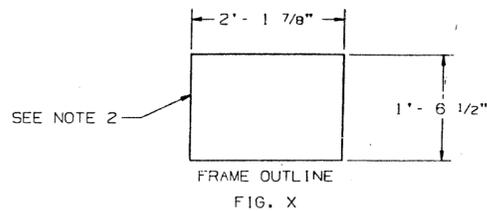
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FLOOR PLAN DATA

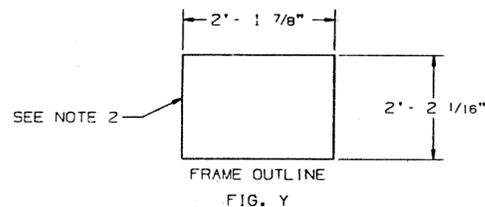
INITIAL BAY (LIST 1 OR 2) NOT EQUIPPED WITH VR BATTERIES (LIST 20 OR 21)

PHYSICAL DATA (SEE NOTE 2)	HEAT RELEASE - WATTS (SEE NOTE 1)		
	FULL LOAD	HALF LOAD	IDLE
HEIGHT: 7'-0"			
DEPTH: 1'-6 1/2"			
WIDTH: 2'-1 7/8"	MAX		
WEIGHT: 310			
FRAMEWORK TYPE: 7'-0" NETWORK BAY	NOM	3080	1680
MIN. FRONT AISLE: 2'-6"			25
MIN. REAR AISLE: 2'-0" (SEE NOTE 3)	MIN		



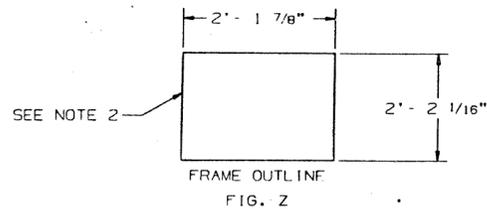
INITIAL BAY (LIST 1 OR 2) EQUIPPED WITH 1 STRING OF VR BATTERIES (LISTS 20 OR 21)

PHYSICAL DATA (SEE NOTE 2)	HEAT RELEASE - WATTS (SEE NOTE 1)		
	FULL LOAD	HALF LOAD	IDLE
HEIGHT: 7'-0"			
DEPTH: 2'-2 1/16"			
WIDTH: 2'-1 7/8"	MAX		
WEIGHT: 2310			
FRAMEWORK TYPE: 7'-0" NETWORK BAY	NOM	3080	1680
MIN. FRONT AISLE: 2'-6"			25
MIN. REAR AISLE: 2'-0" (SEE NOTE 3)	MIN		



SUPPLEMENTARY BAY (LIST 3) EQUIPPED WITH VR BATTERIES (LIST 20 OR 21)

PHYSICAL DATA (SEE NOTE 2)	HEAT RELEASE (WATTS)		
	FULL LOAD	HALF LOAD	IDLE
HEIGHT: 7'-0"			
DEPTH: 2'-2 1/16"			
WIDTH: 2'-1 7/8"	MAX		
WEIGHT: 1 BATTERY STRING: 2100 2 BATTERY STRINGS: 4100			
FRAMEWORK TYPE: 7'-0" NETWORK BAY	NOM		
MIN. FRONT AISLE: 2'-6"			
MIN. REAR AISLE: 2'-0"	MIN		



NOTES:

- HEAT RELEASE VALUES ARE GIVEN FOR ECS BATTERY PLANTS (LIST 1 OR 2) EQUIPPED WITH SIX SWITCH MODE RECTIFIERS (LIST 4) AT 54 VOLTS DC. TO CALCULATE HEAT RELEASE VALUES FOR ECS BATTERY PLANTS EQUIPPED WITH LESS THAN 6 RECTIFIERS USE THE FOLLOWING FORMULA.

$$\text{HEAT RELEASE (WATTS)} = \left[\frac{\text{HEAT RELEASE VALUE FROM TABLE} - 25}{6 \text{ RECTIFIERS}} \right] \times \left[\text{NUMBER OF RECTIFIERS} \right] + 25$$

- 25 REPRESENTS THE HEAT RELEASE VALUE - IN WATTS - FOR THE ECS CONTROLLER EQUIPPED WITH THE 113A CONTROL UNIT, CP2 AND CP3.

- THE FLOOR LOAD FOR THIS BAY IS LISTED BELOW AND IS COMPUTED BY AVERAGING THE LOAD OVER THE FLOOR AREA BOUNDED BY THE STAND SIDES AND THE CENTER LINES OF THE FRONT AND REAR AISLES (SEE FIGURE W). SPECIAL PRECAUTIONS (SUCH AS INCREASING AISLE WIDTHS OR SPACE FROM ADJACENT EQUIPMENTS) MUST BE TAKEN TO INSURE THAT THIS EQUIPMENT DOES NOT OVERLOAD THE FLOOR ON WHICH IT WILL BE USED.

FLOOR LOAD (LB/FT ²) = LOAD (LB) / FLOOR AREA (FT ²)			
PLANT TYPE	AREA	LOAD	FLOOR LOAD
INITIAL BAY WITHOUT BATTERIES	8.177	310	38
INITIAL BAY WITH 1 BATTERY STRING	9.536	2310	243
SUPPLEMENTARY BAY WITH 1 BATTERY STRING	9.536	2100	221
SUPPLEMENTARY BAY WITH 2 BATTERY STRINGS	9.536	4100	452

- WHEN NO REAR AISLE IS REQUIRED, THE DISTANCE BETWEEN THE BACK OF THE FRAME AND THE WALL SHOULD BE A MINIMUM OF 5 INCHES.

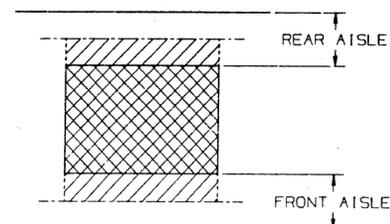
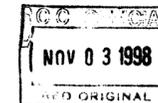


FIG. W
(AREA USED FOR FLOOR LOAD CALCULATIONS)

 FLOOR LOADING AREA
 ACTUAL EQUIPMENT FOOTPRINT



BEST AVAILABLE DRAWING

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