

ENGINEERING NOTES

51. INFORMATION FURNISHED PER THIS DRAWING IS IN ACCORDANCE WITH PRODUCT MANUAL SELECT CODE 115-020.
52. THE JB5500-2 LIST PROVIDES A BASIC FRAMEWORK BAY FOR MOUNTING EQUIPMENT. EACH BAY PER LIST HAS 76 EQUAL MOUNTING POSITIONS OF ONE INCH NUMBERED 1 TO 76 BOTTOM UP.
53. THE JOB SPECIFICATION SHALL SPECIFY THE MOUNTING LOCATIONS OCCUPIED BY ALL BAY MOUNTED EQUIPMENT IN ACCORDANCE WITH TABLE E, ALSO.

A. RECTIFIERS (AND CORRESPONDING HEAT BAFFLES) MUST ALWAYS BE LOCATED AT THE LOWEST UNOCCUPIED POSITIONS, BELOW ALL DISTRIBUTION PANELS.

54. UNASSIGNED

55. ONE CAPACITOR CHARGE PANEL CAN ACCOMMODATE ANY NUMBER OF CIRCUIT BREAKERS (EQUIPPED WITH A CHARGE SWITCH) TO RECHARGE THE CORRESPONDING HIGH INCH LOADS. SPECIFY CAPACITOR CHARGE PANEL ED-83182-30 UNLESS LIST D IS ORDERED, IN WHICH CASE ED-83182-30 SHOULD BE SPECIFIED. WHEN ED83182-30 CAPACITOR CHARGE PANEL IS ORDERED, MODIFY OMIT 845198134 PANEL ASM USED WITH LIST D.

56. RECTIFIERS SHALL NOT BE LOCATED LOWER THAN THE FOLLOWING MINIMUM MOUNTING POSITIONS:

| RECTIFIER | MIN POS NUMBER |
|-------------|----------------|
| 25,50 AMP | 2* |
| 100 AMP | 1 |
| 125 AMP 24V | 2 |
| 125 AMP 48V | 3 |

* CAN BE LOWERED ONE POSITION IF FRONT AND REAR BASE COVERS ARE REMOVED

57. HEAT BAFFLES ARE REQUIRED FOR BAY MOUNTED RECTIFIERS AS FOLLOWS:

A. BETWEEN RECTIFIERS:
THE APPROPRIATE BAFFLE (PER TABLE E) SHALL BE ASSIGNED POSITIONS BETWEEN EACH RECTIFIER IN A FRAME. IT IS PERMISSIBLE TO STACK 25 AMP RECTIFIERS 3 HIGH AND TO STACK 50 AMP RECTIFIERS 2 HIGH BETWEEN BAFFLES.

B. BELOW OTHER EQUIPMENT
A LIST M BAFFLE SHALL BE ASSIGNED TWO POSITIONS IMMEDIATELY BELOW A DISTRIBUTION PANEL OR CONTROLLER IF A RECTIFIER IS LOCATED LESS THAN 18 INCHES FROM THIS EQUIPMENT. FOR EACH RECTIFIER, 3 INCHES OF OPEN SPACE IS REQUIRED BETWEEN THE TOP OF THE RECTIFIER AND THE BOTTOM OF THE BAFFLE USED FOR THIS PURPOSE.

58. BLANK PANELS MUST BE ORDERED FOR BAY MOUNTED EQUIPMENT AS FOLLOWS:

| EQUIPMENT | REQ BLANK(S) | LOCATION (W/ RESPECT TO EQUIPMENT) |
|-------------------|--------------|------------------------------------|
| LIST A BUSBAR | (2) 6 INCH | 65-76 |
| LIST B BUSBAR | (1) 6 INCH | 71-76 |
| LIST Y BATT SHELF | (1) 9 INCH | 17-25 OR 42-50 |
| ED-83182-30,81 | (1) 3 INCH | (BELOW) |
| ED-83182-30,02,6 | (1) 6 INCH | (ABOVE) |
| ED-83182-30,03 | (1) 3 INCH | (ABOVE) |
| ED-83182-30,04 | (1) 6 INCH | (BELOW) |

BLANK PANELS FOR ED-83182-30 DISTRIBUTION PANELS CAN BE OMITTED AS FOLLOWS:

| GROUP | OMIT BLANK IF LOCATED DIRECTLY |
|-------|---|
| 2,3 | BELOW LIST A OR B BUSBAR |
| 1,4 | ABOVE A 6 INCH BLANK PANEL FOR AN ED-83182-30, 82, OR 6 PANEL |
| 1 | ABOVE A 3 INCH BLANK PANEL FOR AN ED-83182-30, 03 PANEL |
| 3 | BELOW A 6 INCH BLANK PANEL FOR AN ED-83182-30, 04 PANEL |

59. ANY UNASSIGNED BAY POSITIONS CAN BE ASSIGNED TO BLANK PANELS OR BE LEFT UNASSIGNED. IN SOME CASES, IT MAY BE DESIRABLE TO PROVIDE BLANK PANELS IN CERTAIN POSITIONS TO ACCOMMODATE ANTICIPATED FUTURE GROWTH.

60. FEEDER CABLE(S) MUST BE ORDERED FOR EACH ED-83182-30 DISTRIBUTION PANEL AS FOLLOWS:

| BAY | ED-83182-30,GRP | PROVIDE | QTY |
|---------|-----------------|---------------|-----|
| INITIAL | 1 | LIST AP-AR | 1 |
| SUPP | 2,3,4,6 | LIST AP-AR | 2 |
| | 2,3,4,6 | H289-226,L23 | 1 |
| | 2,3,4,6 | H289-226,L23* | 2 |

* SPECIFY LENGTH ON JOB BASIS
IF FEEDER CABLES CANNOT BE CONNECTED ON BOTH ENDS DURING THE MANUFACTURING PROCESS, THE CABLES WILL BE SHIPPED AND SHIPPED WITH THE FRAME FOR FIELD INSTALLATION.

ENGINEERING NOTES

61. WHEN BAY MOUNTED BATTERY CELL ARRANGEMENTS ARE SPECIFIED, THE ENGINEER SHALL SPECIFY REQUIRED NUMBER OF INTER-CELL CABLES PER KS-5499,L-1525 (SEE TABLES E & L).
62. A REAR COVER (LIST W) CANNOT BE USED IF A 125 AMP RECTIFIER OR ITS ASSOCIATED BAFFLE OCCUPIES ANY OF THE COVER'S POSITION NUMBERS.
63. WHEN ADDING A SUPPLEMENTARY BAY TO THE END OF AN EXISTING BAY LINE UP, THE END PANEL AND CORRESPONDING SUPPORT, IF EQUIPPED, SHALL BE REUSED ON THE END OF THE NEW BAY.

64. AS OF ISSUE 4, THE PLANT PRODUCT MANUAL AND BINDER IS PROVIDED WITH LIST I. A RECTIFIER PRODUCT MANUAL IS PROVIDED WHEN A LIST AS-AZ IS ORDERED. CONTROLLER AND OTHER EQUIPMENT MANUALS SHALL BE ORDERED AS REQUIRED PER THE ASSOCIATED DRAWING.

65. LIST A PROVIDES BOTH CHARGE AND DISCHARGE PLANT BUSBARS. IF MORE DISCHARGE GROUND TERMINATION POINTS ARE NEEDED, A SUPPLEMENTARY DISCHARGE GROUND BAR CAN BE ADDED TO A SUPPLEMENTARY BAY PER LIST B OR TO AN EXTERNAL CABLE RACK OR FRAMING PER LIST C.
THE SUPPLEMENTARY DISCHARGE GROUND BARS ARE RATED FOR 600 AMPS.

CABLES TO CONNECT THE SUPPLEMENTARY GROUND BUS BAR CAN BE ORDERED PER LIST 85 OR EACH FEEDER CABLE IS CAPABLE OF CARRYING UP TO 200 AMPERES. SUPPLEMENTARY ADDITIONAL CABLES MUST BE ORDERED. EACH CABLE WILL OCCUPY ONE POSITION FROM ROW B, SHEET E1.

FOR INFORMATION ON AVAILABLE TERMINATION POINTS, REFER TO TABLE J & K FOR LIST A AND B AND TO ED-83244-30 FOR LIST C.

66. LIST AG-AJ PROVIDE AN 18 FOOT LONG RECTIFIER CONTROL CABLE. IF A LONGER CABLE IS REQUIRED, ORDER REQUIRED LENGTH PER H-289-224, L-139, L40 OR J41.

67. THE LIST D HINGE SHOULD BE ORDERED WHEN A DISTRIBUTION PANEL IS LOCATED BELOW THE JB5501B-1, LIST I OR 2 XDS CONTROLLER AND REAR ACCESS IS NOT AVAILABLE.

68. FOR RECTIFIERS OUTSIDE THE INITIAL BAY, WIRE AND TERMINALS FOR OUTPUT LEADS MUST BE ORDERED IN ACCORDANCE WITH TABLE M.

69. THE JB5501C, LIST 4 -48 VOLT ALARM AND METER PANEL IS COMPATIBLE WITH SINGLE PHASE RECTIFIERS, JB5502A,B & C ONLY. CONTROL CABLES MUST BE PROVIDED PER LISTS AK-AM.

70. ONLY ONE (1) LIST FROM LIST AS-AZ SHOULD BE ORDERED PER FRAME. EACH LIST PROVIDES ALL THE RECTIFIER OUTPUT CABLES REQUIRED FOR THE CORRESPONDING NUMBER OF RECTIFIERS.

71. REFER TO THE JB5501E DRAWING OR PRODUCT MANUAL 167-790-045 FOR ADDITIONAL INFORMATION ON ECS-6U CONTROLLER OPTIONS, FEATURES AND SETTINGS.

72. THE ECS-6U CONTROLLER IS DESIGNED TO MONITOR ONLY TWO SIZES OF SHUNTS ON THE JB5500-2, LIST J, 300 AMPERES AND LIST L, 600 AMPERES.

73. LIST Z PROVIDES TWO 3 INCH CHANNELS AND ONE 2496802 WIRE SET FOR MOUNTING AND WIRING THE ECS-6U CONTROLLER.
LISTS BA-BD PROVIDE CONTROL CABLES FOR RECTIFIERS MOUNTED IN THE INITIAL BAY. JOB SPEC CABLES FOR SUPPLEMENTARY BAYS MAY BE ORDERED PER H289-226 LIST 43 FOR 24V OR LIST 44 FOR 48V.

74. WHEN ED82182-30 DISTRIBUTION PANELS ARE MOUNTED IMMEDIATELY BELOW THE PLANT CHARGE AND DISCHARGE BUS BARS, H289-226 L20 CABLES MAY BE REPLACED WITH 846651412 AND/OR 846651420 CABLE ASSEMBLIES. (SEE INFO NOTE 141.)

TABLE E

| EQUIPMENT ORDERING & POSITIONING GUIDELINES | | | | | |
|---|--------------------------------|--------------------|--------------------|------------|-------|
| CODE | DESCRIPTION | POSITIONS OCCUPIED | MOUNTING LOCATIONS | BAY | NOTE |
| LIST A | 600 AMP CAP BUS BARS | 12 | 65-76 | INIT | 58,65 |
| LIST B | DISCHG GND BUS | 6 | 71-76 | INIT + SUP | 58,65 |
| LIST C | DISCHG GND BUS | - | - | EXTERNAL | 65 |
| LIST BE,BF | SUP DS48 GND CABLE | - | - | - | 65 |
| LIST E-L | 80-600A SHUNTS | - | - | - | - |
| JB5501B L1-4 | XCS CONTROLLER | 9 | 44-52(+3) | INIT | - |
| LIST D | HINGED XCS JB5501B-1,L-1,2 | 3 | 53-55(+3) | INIT | 55,67 |
| ED83182-30,82 | LOW VOLTAGE DVR | 8 | 66-73 | INIT | - |
| JB5501C-1,L-4 | +48 VOLT ALARM & METER PNL | 9 | 44-52(+3) | INIT | 69 |
| LIST W | TOP REAR COVER | 38 | 39-76 | INIT/SUP | 62 |
| LIST Y | BOT REAR COVER | 38 | 1-38 | INIT/SUP | 62 |
| LIST Y(U,V) | STILE STRIPS | - | - | INIT/SUP | - |
| LIST X | END COVER | - | - | INIT/SUP | 63 |
| LIST WA | POSITIVE WIRING | - | - | INIT | - |
| LIST WB | NEGATIVE WIRING | - | - | INIT | - |
| LIST D | BLANK PANEL | 3 | - | INIT/SUP | 58,59 |
| LIST P | BLANK PANEL | 6 | - | INIT/SUP | 58,59 |
| LIST S | BLANK PANEL | 9 | - | INIT/SUP | 58,59 |
| ED-83182-30,61 | 12410-30A FUSE | 3 | - | INIT/SUP | 58 |
| ED-83182-30,62 | 1810-60A FUSE | 6 | - | INIT/SUP | 58 |
| ED-83182-30,63 | 11810-100A CKT BRKR | 12 | - | INIT/SUP | 58 |
| ED-83182-30,63,S | 11510-100A CKT BRKR | 12 | - | INIT/SUP | 55,58 |
| ED-83182-30,64 | 121100-225A CKT BRKR | 6 | - | INIT/SUP | 55,58 |
| ED-83182-30,66 | 121125-250A CKT BRKR(W/LVD) | 6 | - | INIT/SUP | 55,58 |
| LIST AP-AR | DIST FEED CABLE | - | - | INIT | 60 |
| H-289-226,L-23 | DIST FEED CABLE | - | - | SUP | 60 |
| ED-83108-30,61 | CAP CHG PANEL(W/LIST D) | 3 | 53-55(+3) | INIT | 55 |
| ED-83182-30,61 | CAP CHG PANEL | 3 | - | INIT | 55 |
| JB5502A | 125 AMP RECTIFIER | 7 | - | INIT/SUP | 56,57 |
| JB5502B | 50 AMP RECTIFIER | 10 | - | INIT/SUP | 56,57 |
| JB5502C | 125 AMP RECTIFIER | 17 | - | INIT/SUP | 56,57 |
| JB5503A | 100 AMP RECTIFIER | 24 | - | INIT/SUP | 56,57 |
| JB5503B | 200 AMP RECTIFIER | - | - | - | 56 |
| LIST M | BAFFLE 25,50,100 | 2 | - | INIT/SUP | 57 |
| LIST N | BAFFLE 125 (24V) | 2 | - | INIT/SUP | 57 |
| LIST P | BAFFLE 125 (48V) | 6 | - | INIT/SUP | 57 |
| LIST AA-AF | 24/48 RECT CTRL CABLE | - | - | INIT | - |
| LIST AG-AJ | 24/48 RECT CTRL CABLE | - | - | SUP | 66 |
| H-289-224,L-141 | +24V RECT CTRL CABLE | - | - | SUP | 66 |
| H-289-224,L-140 | +24V RECT CTRL CABLE | - | - | SUP | 66 |
| H-289-224,L-139 | +48V RECT CTRL CABLE | - | - | SUP | 66 |
| LIST AK-AM | RECT CTRL CABLE, JB5501C-1,L-4 | - | - | INIT/SUP | 69 |
| LIST AS-AZ | RECT OUTPUT CABLE | - | - | INIT | 68,70 |
| JB5501E-1 | ECS-6U CONTROLLER | 7 | 45-51(+4) | INIT | 71,72 |
| LIST BA-BD | RECT CTRL CABLE, JB5501E-1 | - | - | INIT | - |
| KS-19544 PER TBL | RECTANGULAR CELL BATTERY | - | - | INIT/SUP | 61 |
| LIST Y | 1ST BAY WTD BATT SHELF | 25 | 1-25 | INIT/SUP | 58 |
| LIST Y | 2ND BAY WTD BATT SHELF | 25 | 26-50 | SUP | 58 |
| LIST Y | 3RD BAY WTD BATT SHELF | 25 | 51-75 | SUP | 58 |
| KS-5499,L-1525-11 | INTERCELL CABLE (4024-36,380) | - | - | - | 61 |
| KS-5499,L-1525-17 | INTERCELL CABLES(1997717562) | - | - | - | 61 |
| KS-5499,L-1525-32 | INTERCELL CABLE(1403684,395) | - | - | - | 61 |
| KS-5499,L-1525-60 | INTERCELL CABLE (1997717562) | - | - | - | 61 |
| KS-20472 | ROUND CELL BATTERY | - | - | EXT | - |
| JB5504A | STANDS-ROUND CELL | - | - | EXT | - |
| KS-19544 | RECT CELL BATTERY | - | - | EXT | - |
| JB5504B | STANDS-RECTANGULAR CELL | - | - | EXT | - |

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| KS-24194 L1 WIRE | KS-24194 L2 WIRE | WP-91412 LIST | COMCODE | BOLT SIZE | CENTERS | D1E | MOUNTING HARDWARE REQ'D PER EQUIPPED POS. |
|------------------|------------------|---------------|-----------|-----------|---------|--------|--|
| 10 | 10 | 52 | 40534817B | 10 | 0.62 | RED | 2. P-125616, SCREW, HH CAP, .250-.20 X 3/4 4. P-284151, WASHER, PLN, .274 X .915 X .054 2. P-182955, WASHER, SPG, .190 2. P-61293, NUT, HEX, .190-.32 |
| 8 | 8 | | | 10 | 0.62 | RED | |
| 6 | 6 | 3 | 405347519 | 0.25 | 0.62 | RED | 2. P-125616, SCREW, HH CAP, .250-.20 X 3/4 4. P-284151, WASHER, PLN, .274 X .915 X .054 2. P-182955, WASHER, SPG, .190 2. P-61293, NUT, HEX, .190-.32 |
| 4 | 4 | 5 | 405347576 | 0.25 | 0.62 | GREY | |
| 2 | - | 54 | 405348202 | 0.25 | 0.62 | BROWN | |
| - | 2 | 8 | 405347663 | 0.25 | 0.62 | GREEN | |
| 1/0 | - | 56 | 405348228 | 0.38 | 1.0 | PINK | 2. P-125775, SCREW, HH CAP, .375-16 X 7/8 4. P-284163, WASHER, PLN, .401 X .745 X .056 2. P-182960, WASHER, SPG, .375 2. P-641064777, NUT, HEX, .375-16 |
| - | 1/0 | | | 0.38 | 1.0 | BLACK | |
| 2/0 | - | 57 | 405348236 | 0.38 | 1.0 | BLACK | |
| - | 2/0 | | | 0.38 | 1.0 | ORANGE | |
| 4/0 | - | 59 | 405348251 | 0.38 | 1.0 | PURPLE | |
| - | 4/0 | 27 | 405347923 | 0.38 | 1.0 | YELLOW | |
| 350MCM | - | 61 | 405348277 | 0.38 | 1.0 | RED | |
| - | 350MCM | | | 0.38 | 1.0 | - | |

| 1/0-350MCM | B-2AWG | 10-14AWG |
|------------|--------|----------|
| ROW A | ROW B | ROW C |
| 6 | 0 | 24 |
| 6 | 1 | 23 |
| 6 | 2 | 21 |
| 6 | 3 | 19 |
| 6 | 4 | 18 |
| 6 | 5 | 16 |
| 6 | 6 | 14 |
| 6 | 7 | 13 |
| 6 | 8 | 11 |
| 6 | 9 | 9 |
| 6 | 10 | 8 |
| 6 | 11 | 6 |
| 6 | 12 | 4 |
| 5 | 14 | 4 |
| 4 | 16 | 4 |
| 3 | 18 | 4 |
| 2 | 20 | 4 |
| 1 | 22 | 4 |
| 0 | 24 | 4 |

THE SUPPLEMENTARY GROUND BAR PER LIST B, PROVIDES AN EQUAL NUMBER OF TERMINATION POINTS AS LIST A, HOWEVER 14 TERMINATION POINTS 12 ON PLANT BAR AND 2 ON SUPPLEMENTARY BARI MUST BE USED

| RECTIFIER (AMPS) | KS-24194 L2 WIRE SIZE | WP-91412 TERMINAL LUGS RECTIFIER END | CHG BUS END | MOUNTING HARDWARE REQUIRED FOR EQUIPPED POSITION |
|------------------|-----------------------|--------------------------------------|---------------|--|
| 25 | 8 | NOT REQ'D | (54130) T & B | 2. P-125616, SCREW, HH CAP, .250-.20 X 3/4 4. P-284151, WASHER, PLN, .274 X .915 X .054 2. P-182955, WASHER, SPG, .190 2. P-61293, NUT, HEX, .190-.32 |
| 50 | 6 | NOT REQ'D | L-3 | |
| 100 | 2 | (54859 BE) | L-B | |
| 125 | 1/0 | FURNISHED | (54210) T & B | 2. P-125775, SCREW, HH CAP, .375-16 X 7/8 4. P-284163, WASHER, PLN, .401 X .745 X .056 2. P-182960, WASHER, SPG, .375 2. P-641064777, NUT, HEX, .375-16 |
| 200 | 4/0 | FURNISHED | L-27 | |

| KS-24194 L1 WIRE | KS-24194 L2 WIRE | WP-91412 LIST | COMCODE | BOLT SIZE | DYE |
|------------------|------------------|---------------|-----------|-----------|--------|
| 10 | 10 | 1 | 405347402 | 10 | RED |
| 8 | 8 | | | 10 | RED |
| 6 | 6 | 2 | 405347436 | 0.25 | RED |
| 4 | 4 | 4 | 405347543 | 0.25 | BLUE |
| 2 | - | 53 | 405348186 | 0.25 | BROWN |
| - | 2 | 7 | 405347659 | 0.25 | GREEN |
| 1/0 | - | 55 | 405348210 | 0.38 | PINK |
| - | 1/0 | 10 | 405347717 | 0.38 | BLACK |
| 2/0 | - | 10 | 405347717 | 0.38 | BLACK |
| - | 2/0 | 17 | 405347790 | 0.38 | ORANGE |
| 4/0 | - | 58 | 405348244 | 0.38 | PURPLE |
| - | 4/0 | | | 0.38 | YELLOW |

| NUMBER OF TERMINATION POINTS | |
|------------------------------|--------|
| 1/0-350MCM | B-2AWG |
| 12 | 0 |
| 11 | 2 |
| 10 | 4 |
| 9 | 6 |
| 8 | 8 |

| KS-15544 LIST NO. | NO. OF BATTERIES | NO. OF SHELVES | NO. OF INTERCELL CABLES (KS-5499 L-1325-11) | NO. OF ADJOINING CABLES (1) | |
|-------------------|------------------|----------------|---|-----------------------------|-----------------|
| L-311 | 4 | 2 | 2 | 1 | PER 24V STRINGS |
| L-402 | 12 | 3 | 9 | 2 | |
| L-405 | 12 | 4 | 8 | 3 | |
| L-311 | 8 | 4 | | | PER 48V STRING |
| L-311H | 7 | 4 | | | |
| L-310H | 1 | | 18 | 5 | |
| L-402 | 24 | 6 | 17 | 5 | |
| L-402H | 23 | 6 | 16 | 7 | |
| L-405 | 24 | 8 | | | |

(*) LENGTHS OF ADDITION CABLES (BETWEEN BATTERY SHELVES) SHALL BE DETERMINED ON A JOB BASIS, AS FOLLOWS:

| TYPE OF CONNECTION | LENGTH (INCHES) | KS-5499 LIST NO. |
|----------------------------------|-----------------|------------------|
| HORIZONTAL BETWEEN ADJACENT BAYS | 17 | 1525-17 |
| VERTICAL ONE SHELF HEIGHT | 32 | 1525-32 |
| VERTICAL 1SHELF HEIGHTS | 60 | 1525-60 |

| LINE NO. | COMCODE | FORMER LISTS | QTY PER | ISSUE REMOVED |
|----------|-----------|--------------|---------|---------------|
| 107 | B46376465 | A | 1 | 7 |
| 109 | B45957182 | A,B | 1 | 7 |
| 110 | B45957190 | A | 1 | 7 |
| 112 | 996564316 | A | 6 | 7 |
| 114 | 996564316 | B | 2 | 7 |
| 119 | B46284727 | A | 2 | 7 |
| 120 | B45368711 | A | 4 | 7 |
| 121 | B45368711 | B | 2 | 7 |
| 122 | B45674365 | U | 2 | 7 |
| 124 | B45674373 | U | 2 | 7 |
| 158 | B45674373 | T | 2 | 7 |
| 254 | B45674381 | X | 2 | 8 |
| 260 | B01724857 | A | 6 | 7 |
| 261 | B01724857 | B | 2 | 7 |

| CONNECTOR MFG DATA | WIRE SIZE | WIRE TYPE | CONNECTOR | COMCODE | MOUNTING HARDWARE REQUIRED |
|-----------------------------|-----------|-------------|-------------|-----------|--|
| 5/8" CL TO CL FOR 1/4" STUD | 6 | KS-24194 L1 | KS-24194 L3 | 405347519 | NONE (MOUNTING HARDWARE FURNISHED WITH THE FRAME) |
| | | | KS-24194 L2 | 405347519 | |
| | | | KS-24194 L3 | 405347576 | |
| | | | KS-24194 L2 | 405348202 | |
| 1" CL TO CL FOR 3/8" STUD | 1/0 | KS-24194 L1 | KS-24194 L2 | 405347683 | NONE (MOUNTING HARDWARE FURNISHED WITH THE FRAME) |
| | | | KS-24194 L3 | 405348228 | |
| | | | KS-24194 L2 | 402178370 | |
| | | | KS-24194 L3 | 405348236 | |
| 1" CL TO CL FOR 3/8" STUD | 2/0 | KS-24194 L1 | KS-24194 L2 | 402178446 | 2. P-127312, SCREW, HH CAP, .375-16 X 1.00 2. P-182960, WASHER, SPG, .375 2. P-284163, WASHER, PLN, .401 X .745 X .056 |
| | | | KS-24194 L3 | 405348251 | |
| | | | KS-24194 L2 | 405347923 | |
| | | | KS-24194 L3 | 405347923 | |

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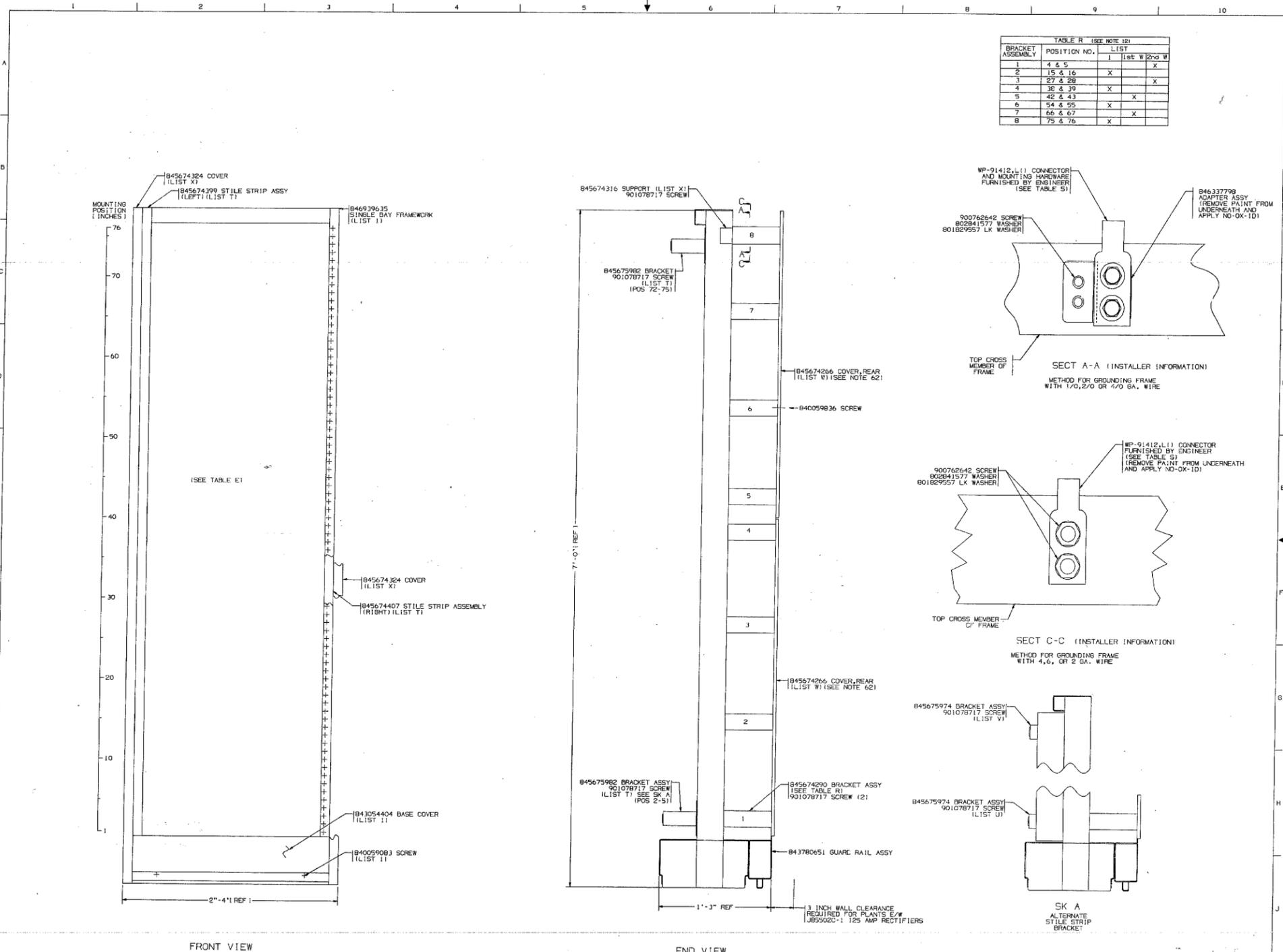


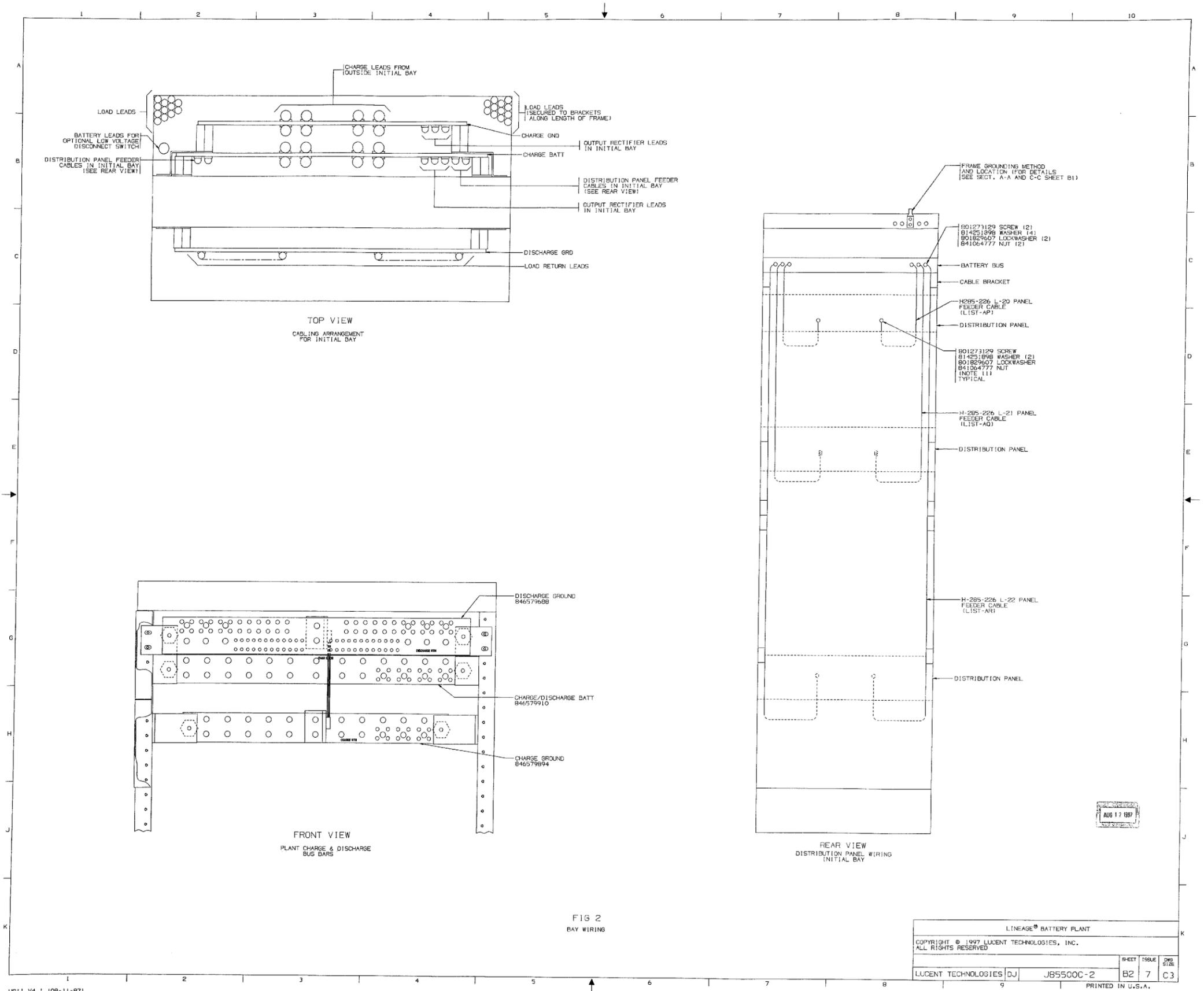
TABLE R (SEE NOTE 181)

| BRACKET ASSEMBLY | POSITION NO. | I | 1st W | 2nd W |
|------------------|--------------|---|-------|-------|
| 1 | 4 & 5 | | | X |
| 2 | 15 & 16 | X | | |
| 3 | 27 & 28 | X | | X |
| 4 | 36 & 39 | X | | |
| 5 | 42 & 43 | | X | |
| 6 | 54 & 55 | X | X | |
| 7 | 66 & 67 | | X | X |
| 8 | 75 & 76 | X | | |

FIG. 1
BASIC FRAMEWORK
(SEE TABLE E FOR
EQUIPMENT POSITIONINGS)

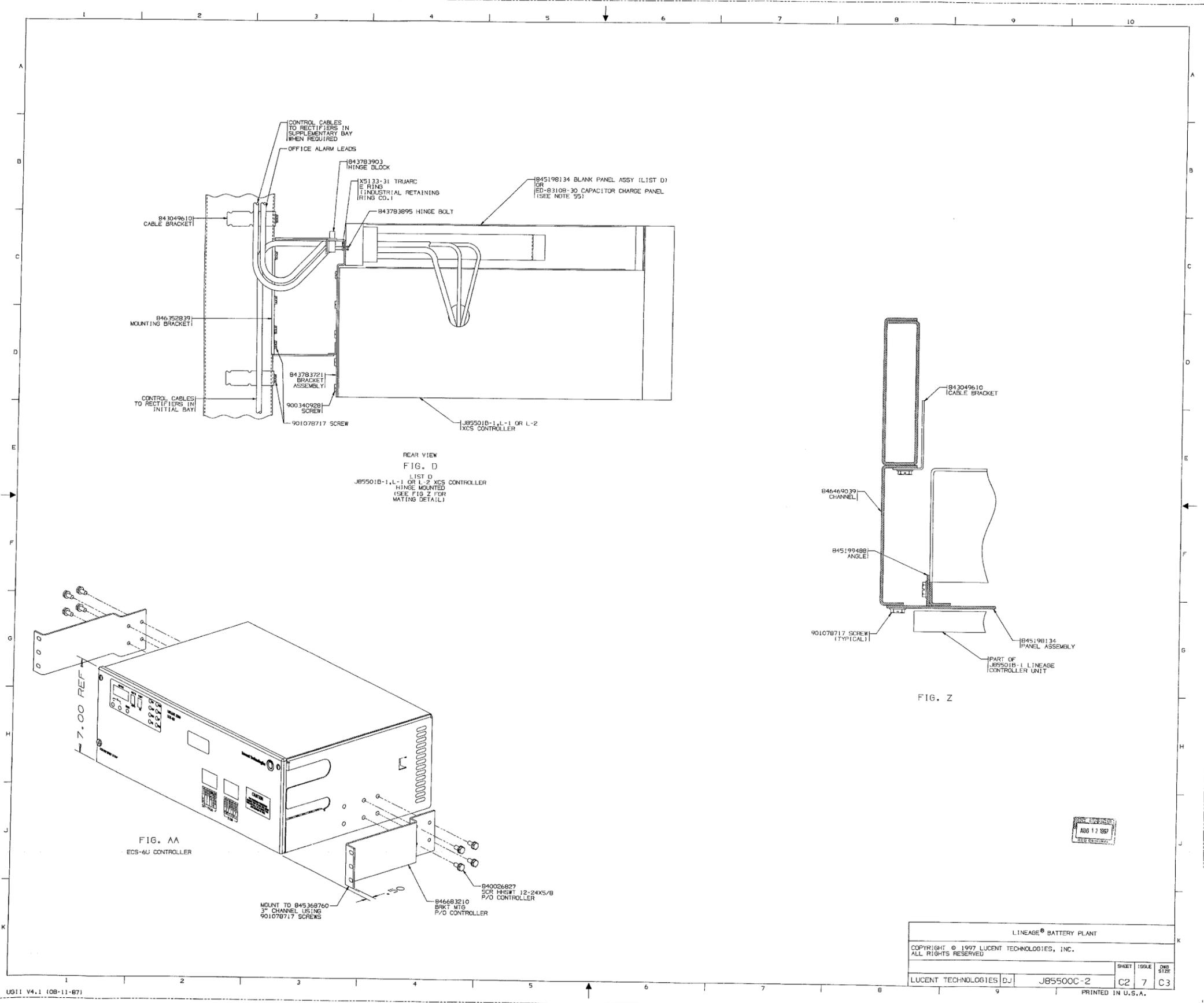
| | | | | | | | |
|-------|---------|----|----|--|--|--|--|
| SHEET | SH. NO. | B1 | B2 | | | | |
| INDEX | ISSUE | B | 7 | | | | |

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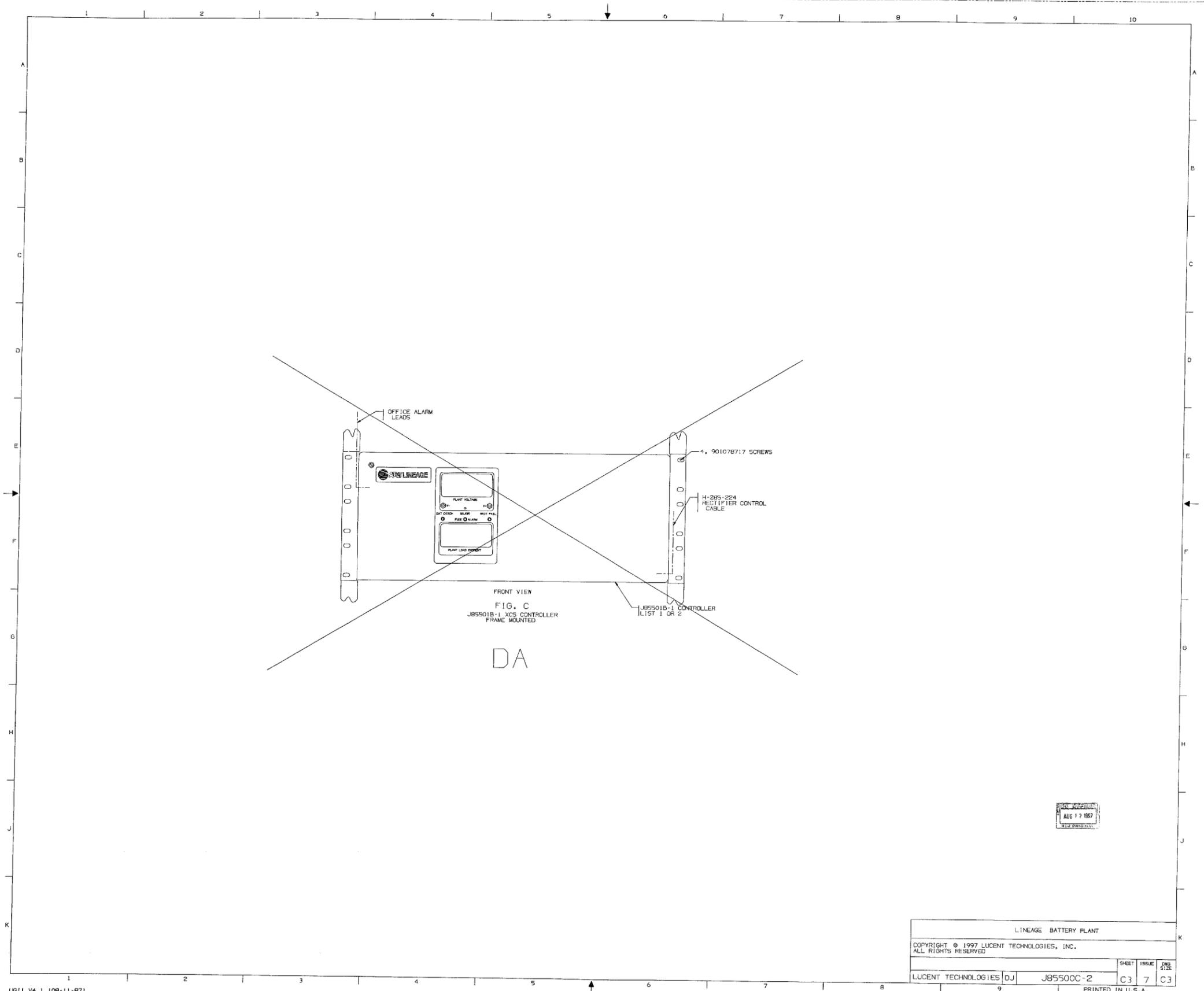
REAR VIEW
 FIG. D
 LIST D
 JB5501B-1, L-1 OR L-2 XCS CONTROLLER
 HINGE MOUNTED
 (SEE FIG. Z FOR MOUNTING DETAIL)

FIG. AA
 EDS-6U CONTROLLER

FIG. Z

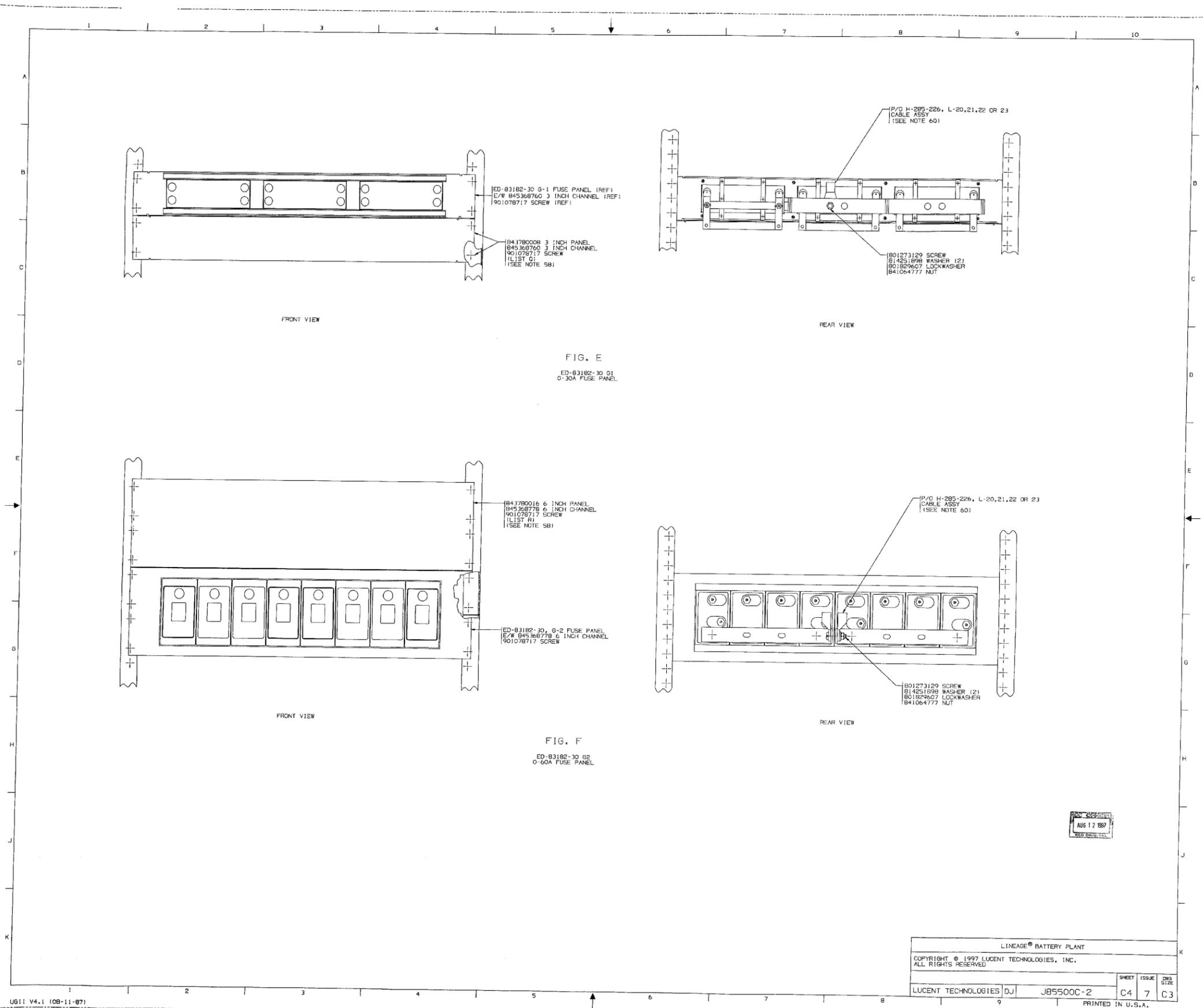
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| | | DWG SIZE C3 | |
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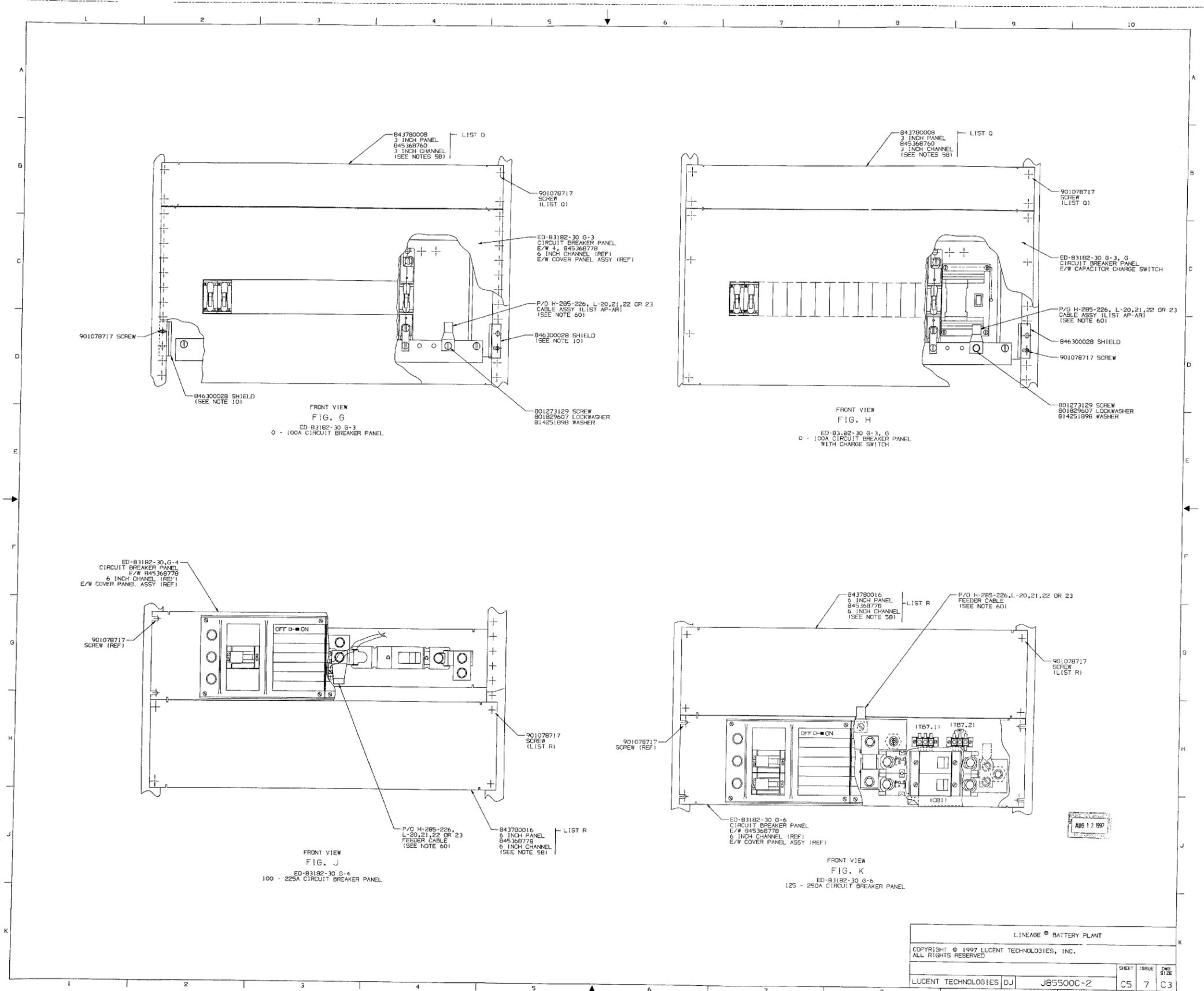
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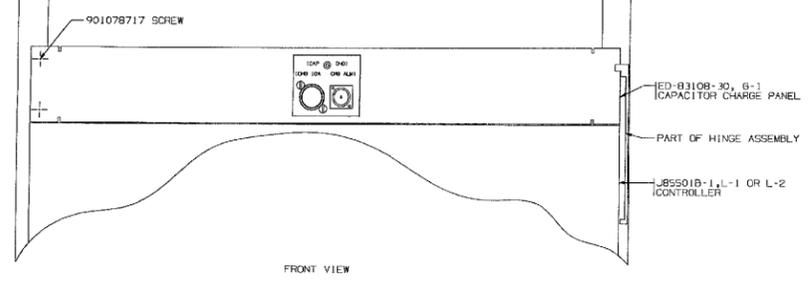
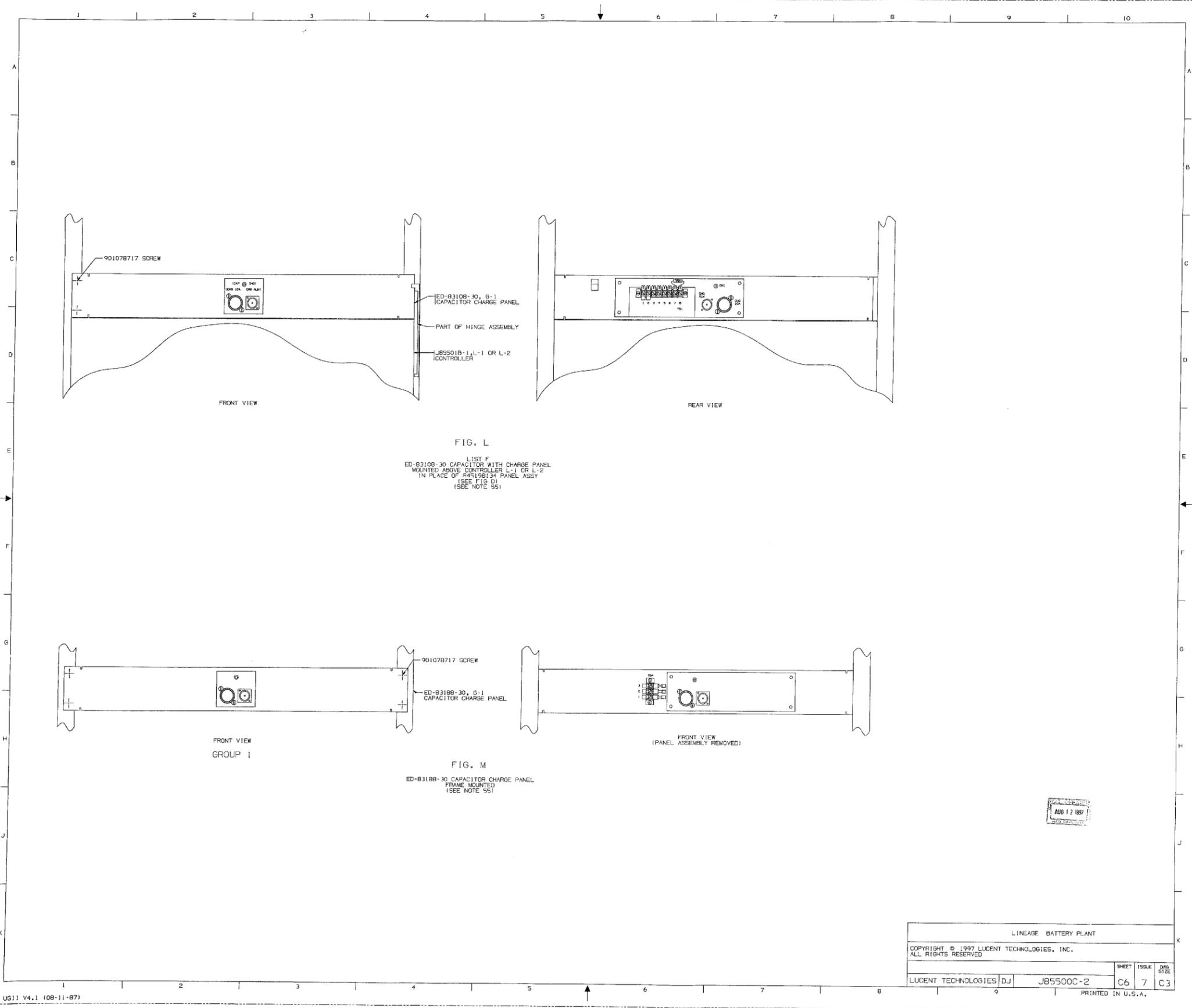
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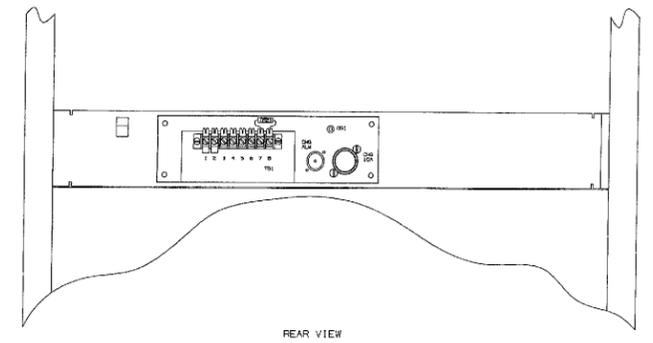
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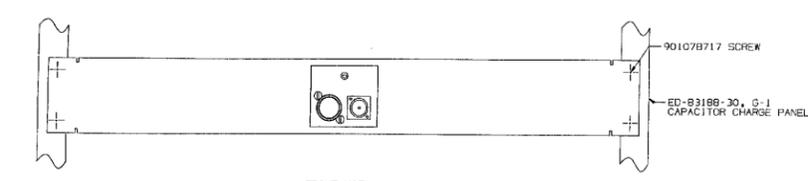
FRONT VIEW



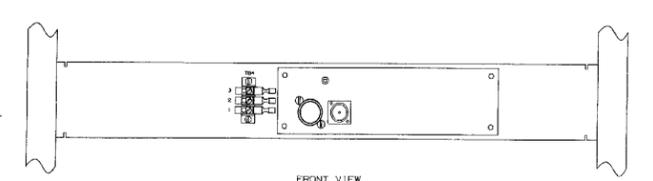
REAR VIEW

FIG. L

LIST F
ED-83108-30 CAPACITOR WITH CHARGE PANEL
MOUNTED ABOVE CONTROLLER L-1 OR L-2
IN PLACE OF 845198134 PANEL ASSY
(SEE FIG. O)
(SEE NOTE 55)



FRONT VIEW
GROUP 1



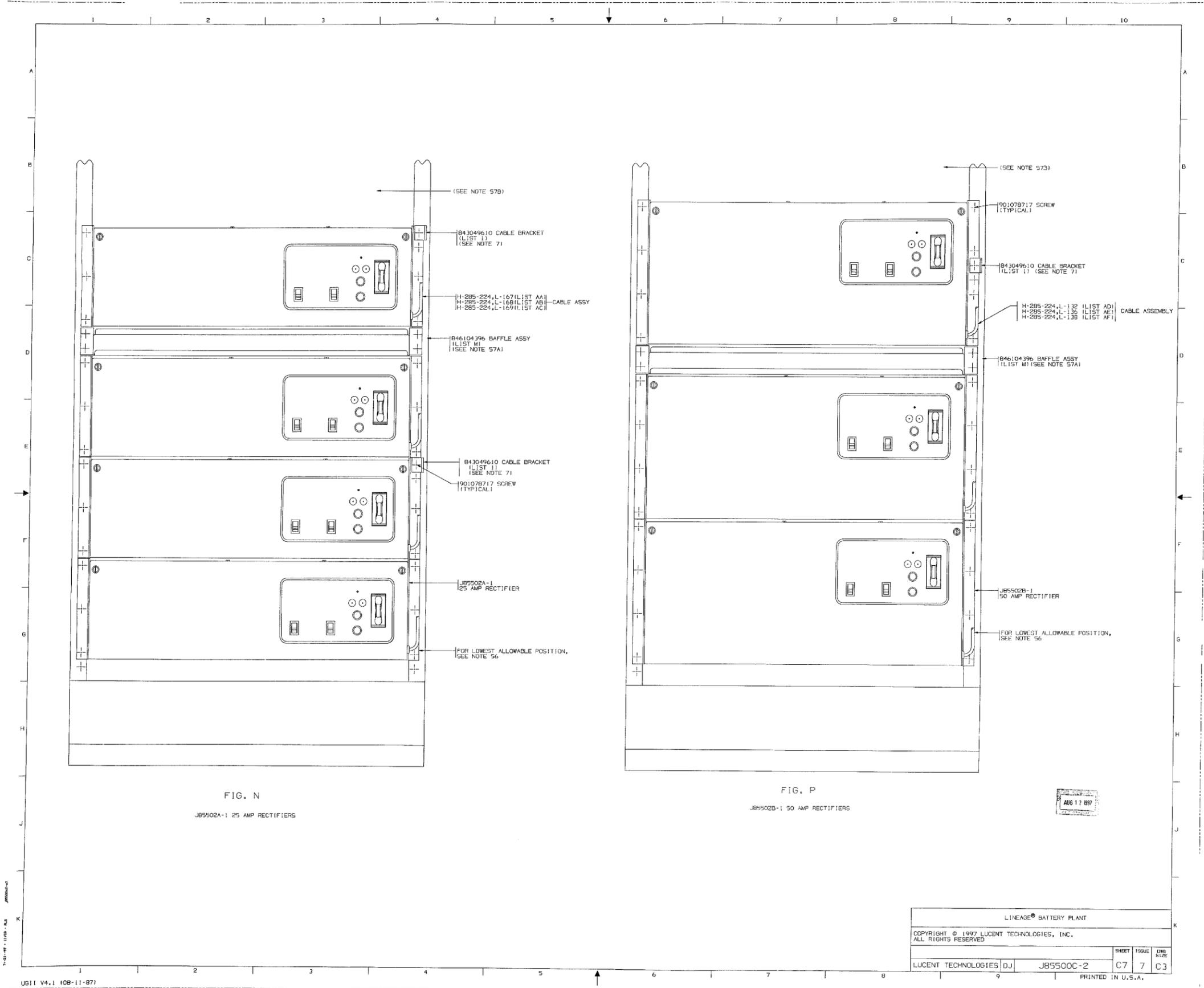
FRONT VIEW
(PANEL ASSEMBLY REMOVED)

FIG. M

ED-83188-30 CAPACITOR CHARGE PANEL
FRAME MOUNTED
(SEE NOTE 55)

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| | | | ISSUE C7 |
| | | | SIZE C3 |
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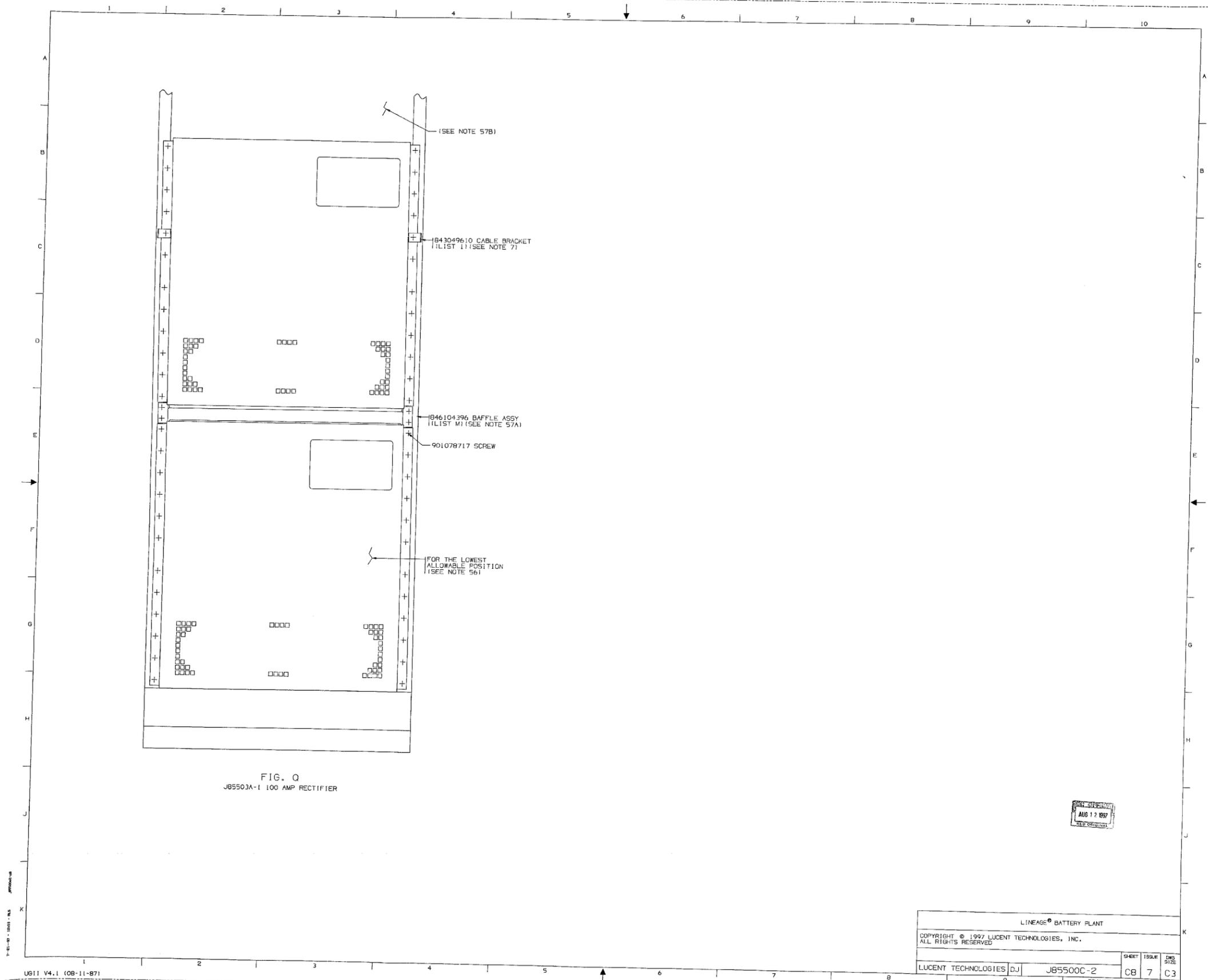
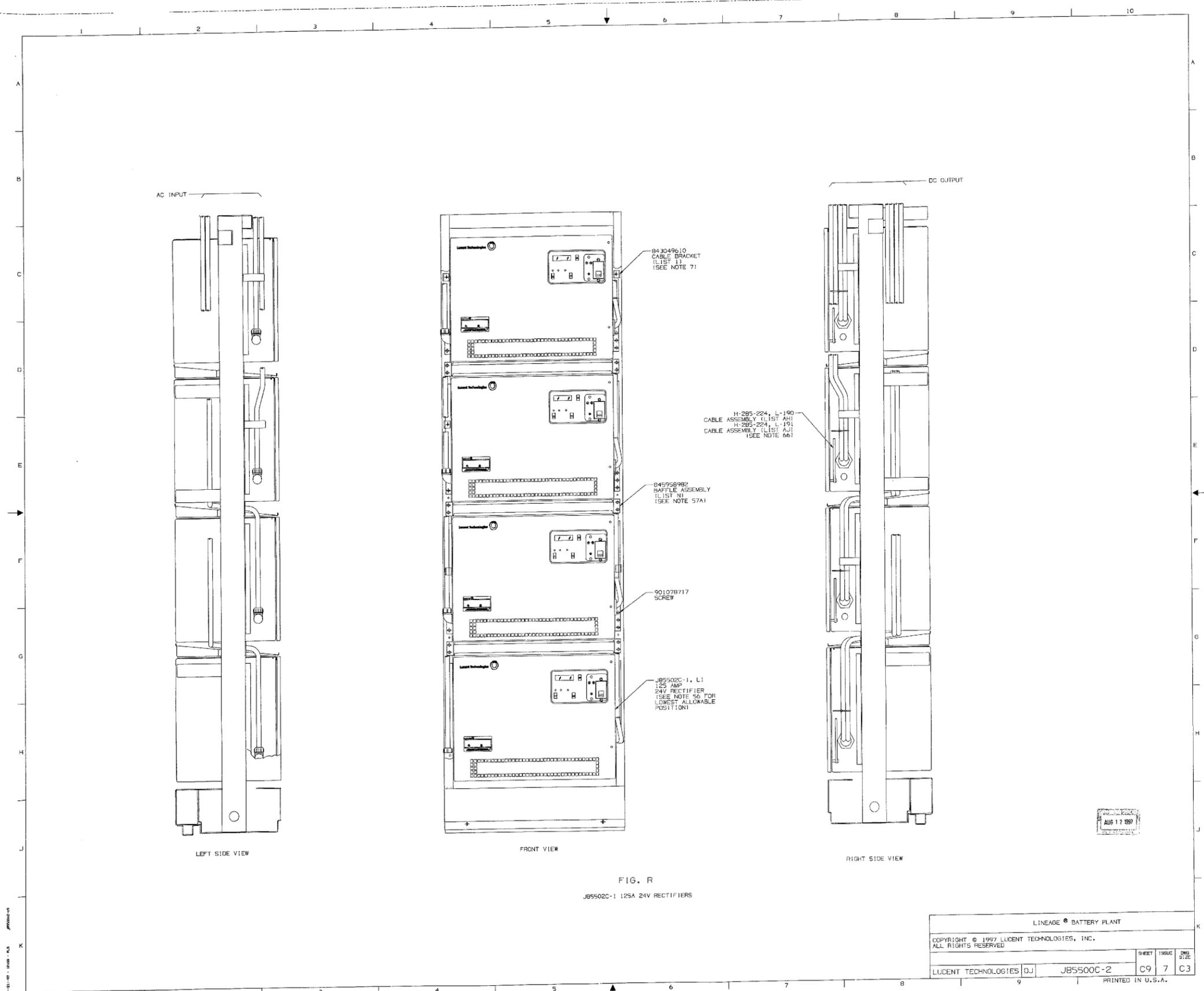


FIG. Q
JB5503A-1 100 AMP RECTIFIER

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| | | | |
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AC INPUT

DC OUTPUT

843049610
CABLE BRACKET
(LIST 1)
(SEE NOTE 7)

H-285-224, L-190
CABLE ASSEMBLY (LIST AH)
H-285-224, L-191
CABLE ASSEMBLY (LIST AJ)
(SEE NOTE 66)

845958982
BAFFLE ASSEMBLY
(LIST N)
(SEE NOTE 57A)

901078717
SCREW

J85502C-1, L1
125 AMP
24V RECTIFIER
(SEE NOTE 56 FOR
LOWEST ALLOWABLE
POSITION)

LEFT SIDE VIEW

FRONT VIEW

RIGHT SIDE VIEW

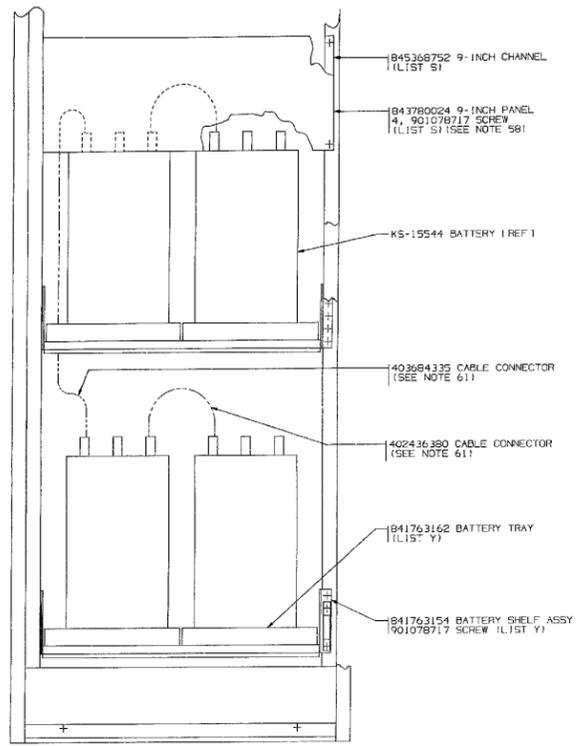
FIG. R

J85502C-1 125A 24V RECTIFIERS

AUG 17 1987

| | | | |
|---|----|-------------------|---------|
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11-111-101-1000-100



FRONT VIEW
 FIG. T
 (LIST Y1)
 BAY MOUNTED BATTERY SHELVES

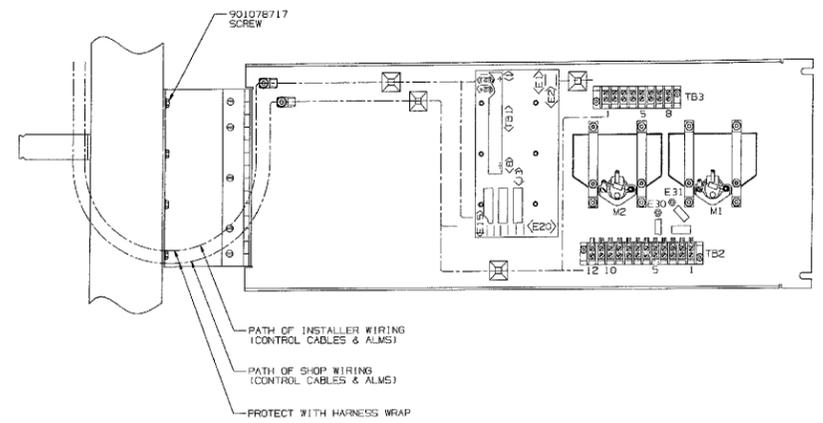


FIG. V
 -48V ALARM & METER PANEL
 REAR VIEW
 HINGED OPEN

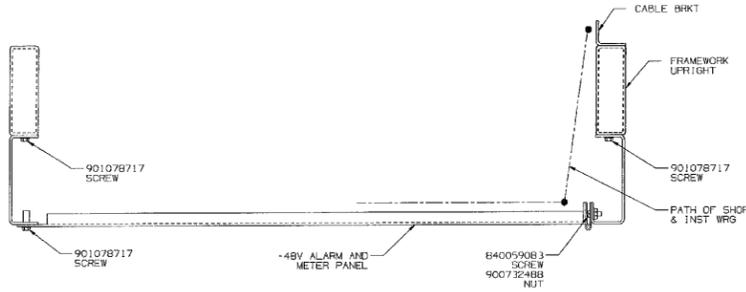


FIG. W

AUG 12 1997
 EST. 1987

| | | | |
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| STOCK LIST | | | | | | | |
|------------|--------------|----------|----------------------------|---------------------------|-----------|------|--------|
| ITEM | A | B | C | D | E | F | G |
| LIST | QTY PER LIST | CONCODE | IDENTIFICATION NO. DRAWING | DESCRIPTION | REFERENCE | NOTE | SYN NO |
| 1 | 1 | 84633798 | | ADAPTER ASSY, FRAME GND | | | |
| 2 | D | 1 | 845199488 | ANGLE | | | |
| 3 | N | 1 | 845958982 | BAFFLE ASSY | | | |
| 4 | P | 1 | 845958990 | BAFFLE ASSY | | | |
| 5 | M | 1 | 846104396 | BAFFLE ASSY | | | |
| 6 | I | 1 | 843054404 | COVER, BASE | | | |
| 7 | Y | 1 | 841763154 | BATTERY SHELF ASSY | | | |
| 8 | Y | 2 | 841763162 | BATTERY TRAY | | | |
| 9 | I | 1 | 846801919 | BINDER, PRODUCT MANUAL | | 64 | |
| 10 | U, V | 2 | 845679374 | BRACKET | | | |
| 11 | T | 4 | 845679382 | BRACKET | | | |
| 12 | U, V | DMIT 2 | 845679392 | BRACKET | | | |
| 13 | D | 1 | 845679399 | BRACKET, MOUNTING | | | |
| 14 | H | 1 | 845742990 | BRACKET ASSY | | | |
| 15 | I | 8 | 845674250 | BRACKET ASSY | | 12 | |
| 16 | DLT | - | 845674365 | BRACKET ASSY | | | |
| 17 | DLT | - | 845674373 | BRACKET ASSY | | | |
| 18 | A | 2 | 846204750 | BUS BAR | | | |
| 19 | A | 1 | 846579910 | BUS BAR, SHUNT ASSY C.R. | | 16 | |
| 20 | A, B | 1 | 846579964 | BUS BAR, CHARGE RETURN | | 16 | |
| 21 | A, B | 1 | 846579968 | BUS BAR, DISCHARGE RETURN | | 16 | |
| 22 | AK | 1 | 846277564 | CONTROL CABLE ASSY | | | |
| 23 | AL | 1 | 846354793 | CONTROL CABLE ASSY | | | |
| 24 | AM | 1 | 846354801 | CONTROL CABLE ASSY | | | |
| 25 | AS, AT, AU | 1 | 846376093 | RECTIFIER OUTPUT CABLE | | | |
| 26 | AV, AW | 1 | 846376101 | RECTIFIER OUTPUT CABLE | | | |
| 27 | AX, AY | 1 | 846376119 | RECTIFIER OUTPUT CABLE | | | |
| 28 | AZ | 1 | 846376127 | RECTIFIER OUTPUT CABLE | | | |
| 29 | AA | 1 | 846376135 | RECTIFIER OUTPUT CABLE | | | |
| 30 | AB | 1 | 846376143 | RECTIFIER OUTPUT CABLE | | | |
| 31 | AC | 1 | 846376151 | RECTIFIER OUTPUT CABLE | | | |
| 32 | AD | 1 | 846376159 | RECTIFIER OUTPUT CABLE | | | |
| 33 | AE | 1 | 846376167 | RECTIFIER OUTPUT CABLE | | | |
| 34 | AF | 1 | 846376175 | RECTIFIER OUTPUT CABLE | | | |
| 35 | AG | 1 | 846376183 | RECTIFIER OUTPUT CABLE | | | |
| 36 | AH | 1 | 846376191 | RECTIFIER OUTPUT CABLE | | | |
| 37 | AI | 1 | 846376199 | RECTIFIER OUTPUT CABLE | | | |
| 38 | AJ | 1 | 846376207 | RECTIFIER OUTPUT CABLE | | | |
| 39 | AK | 1 | 846376215 | RECTIFIER OUTPUT CABLE | | | |
| 40 | AL | 1 | 846376223 | RECTIFIER OUTPUT CABLE | | | |
| 41 | AM | 1 | 846376231 | RECTIFIER OUTPUT CABLE | | | |
| 42 | AN | 1 | 846376239 | RECTIFIER OUTPUT CABLE | | | |
| 43 | AO | 1 | 846376247 | RECTIFIER OUTPUT CABLE | | | |
| 44 | AP | 1 | 846376255 | RECTIFIER OUTPUT CABLE | | | |
| 45 | AQ | 1 | 846376263 | RECTIFIER OUTPUT CABLE | | | |
| 46 | AR | 1 | 846376271 | RECTIFIER OUTPUT CABLE | | | |
| 47 | AS | 1 | 846376279 | RECTIFIER OUTPUT CABLE | | | |
| 48 | AT | 1 | 846376287 | RECTIFIER OUTPUT CABLE | | | |
| 49 | AU | 1 | 846376295 | RECTIFIER OUTPUT CABLE | | | |
| 50 | AV | 1 | 846376303 | RECTIFIER OUTPUT CABLE | | | |
| 51 | AW | 1 | 846376311 | RECTIFIER OUTPUT CABLE | | | |
| 52 | AX | 1 | 846376319 | RECTIFIER OUTPUT CABLE | | | |
| 53 | AY | 1 | 846376327 | RECTIFIER OUTPUT CABLE | | | |
| 54 | AZ | 1 | 846376335 | RECTIFIER OUTPUT CABLE | | | |
| 55 | AA | 1 | 846376343 | RECTIFIER OUTPUT CABLE | | | |
| 56 | AB | 1 | 846376351 | RECTIFIER OUTPUT CABLE | | | |
| 57 | AC | 1 | 846376359 | RECTIFIER OUTPUT CABLE | | | |
| 58 | AD | 1 | 846376367 | RECTIFIER OUTPUT CABLE | | | |
| 59 | AE | 1 | 846376375 | RECTIFIER OUTPUT CABLE | | | |
| 60 | AF | 1 | 846376383 | RECTIFIER OUTPUT CABLE | | | |
| 61 | AG | 1 | 846376391 | RECTIFIER OUTPUT CABLE | | | |
| 62 | AH | 1 | 846376399 | RECTIFIER OUTPUT CABLE | | | |
| 63 | AI | 1 | 846376407 | RECTIFIER OUTPUT CABLE | | | |
| 64 | AJ | 1 | 846376415 | RECTIFIER OUTPUT CABLE | | | |
| 65 | AK | 1 | 846376423 | RECTIFIER OUTPUT CABLE | | | |
| 66 | AL | 1 | 846376431 | RECTIFIER OUTPUT CABLE | | | |
| 67 | AM | 1 | 846376439 | RECTIFIER OUTPUT CABLE | | | |
| 68 | AN | 1 | 846376447 | RECTIFIER OUTPUT CABLE | | | |
| 69 | AO | 1 | 846376455 | RECTIFIER OUTPUT CABLE | | | |
| 70 | AP | 1 | 846376463 | RECTIFIER OUTPUT CABLE | | | |
| 71 | AQ | 1 | 846376471 | RECTIFIER OUTPUT CABLE | | | |
| 72 | AR | 1 | 846376479 | RECTIFIER OUTPUT CABLE | | | |
| 73 | AS | 1 | 846376487 | RECTIFIER OUTPUT CABLE | | | |
| 74 | AT | 1 | 846376495 | RECTIFIER OUTPUT CABLE | | | |
| 75 | AU | 1 | 846376503 | RECTIFIER OUTPUT CABLE | | | |
| 76 | AV | 1 | 846376511 | RECTIFIER OUTPUT CABLE | | | |
| 77 | AW | 1 | 846376519 | RECTIFIER OUTPUT CABLE | | | |
| 78 | AX | 1 | 846376527 | RECTIFIER OUTPUT CABLE | | | |
| 79 | AY | 1 | 846376535 | RECTIFIER OUTPUT CABLE | | | |
| 80 | AZ | 1 | 846376543 | RECTIFIER OUTPUT CABLE | | | |
| 81 | AA | 1 | 846376551 | RECTIFIER OUTPUT CABLE | | | |
| 82 | AB | 1 | 846376559 | RECTIFIER OUTPUT CABLE | | | |
| 83 | AC | 1 | 846376567 | RECTIFIER OUTPUT CABLE | | | |
| 84 | AD | 1 | 846376575 | RECTIFIER OUTPUT CABLE | | | |
| 85 | AE | 1 | 846376583 | RECTIFIER OUTPUT CABLE | | | |
| 86 | AF | 1 | 846376591 | RECTIFIER OUTPUT CABLE | | | |
| 87 | AG | 1 | 846376599 | RECTIFIER OUTPUT CABLE | | | |
| 88 | AH | 1 | 846376607 | RECTIFIER OUTPUT CABLE | | | |
| 89 | AI | 1 | 846376615 | RECTIFIER OUTPUT CABLE | | | |
| 90 | AJ | 1 | 846376623 | RECTIFIER OUTPUT CABLE | | | |
| 91 | AK | 1 | 846376631 | RECTIFIER OUTPUT CABLE | | | |
| 92 | AL | 1 | 846376639 | RECTIFIER OUTPUT CABLE | | | |
| 93 | AM | 1 | 846376647 | RECTIFIER OUTPUT CABLE | | | |
| 94 | AN | 1 | 846376655 | RECTIFIER OUTPUT CABLE | | | |
| 95 | AO | 1 | 846376663 | RECTIFIER OUTPUT CABLE | | | |
| 96 | AP | 1 | 846376671 | RECTIFIER OUTPUT CABLE | | | |
| 97 | AQ | 1 | 846376679 | RECTIFIER OUTPUT CABLE | | | |
| 98 | AR | 1 | 846376687 | RECTIFIER OUTPUT CABLE | | | |
| 99 | AS | 1 | 846376695 | RECTIFIER OUTPUT CABLE | | | |
| 100 | AT | 1 | 846376703 | RECTIFIER OUTPUT CABLE | | | |
| 101 | AU | 1 | 846376711 | RECTIFIER OUTPUT CABLE | | | |
| 102 | AV | 1 | 846376719 | RECTIFIER OUTPUT CABLE | | | |
| 103 | AW | 1 | 846376727 | RECTIFIER OUTPUT CABLE | | | |
| 104 | AX | 1 | 846376735 | RECTIFIER OUTPUT CABLE | | | |
| 105 | AY | 1 | 846376743 | RECTIFIER OUTPUT CABLE | | | |
| 106 | AZ | 1 | 846376751 | RECTIFIER OUTPUT CABLE | | | |
| 107 | AA | 1 | 846376759 | RECTIFIER OUTPUT CABLE | | | |
| 108 | AB | 1 | 846376767 | RECTIFIER OUTPUT CABLE | | | |
| 109 | AC | 1 | 846376775 | RECTIFIER OUTPUT CABLE | | | |
| 110 | AD | 1 | 846376783 | RECTIFIER OUTPUT CABLE | | | |
| 111 | AE | 1 | 846376791 | RECTIFIER OUTPUT CABLE | | | |
| 112 | AF | 1 | 846376799 | RECTIFIER OUTPUT CABLE | | | |
| 113 | AG | 1 | 846376807 | RECTIFIER OUTPUT CABLE | | | |
| 114 | AH | 1 | 846376815 | RECTIFIER OUTPUT CABLE | | | |
| 115 | AI | 1 | 846376823 | RECTIFIER OUTPUT CABLE | | | |
| 116 | AJ | 1 | 846376831 | RECTIFIER OUTPUT CABLE | | | |
| 117 | AK | 1 | 846376839 | RECTIFIER OUTPUT CABLE | | | |
| 118 | AL | 1 | 846376847 | RECTIFIER OUTPUT CABLE | | | |
| 119 | AM | 1 | 846376855 | RECTIFIER OUTPUT CABLE | | | |
| 120 | AN | 1 | 846376863 | RECTIFIER OUTPUT CABLE | | | |
| 121 | AO | 1 | 846376871 | RECTIFIER OUTPUT CABLE | | | |
| 122 | AP | 1 | 846376879 | RECTIFIER OUTPUT CABLE | | | |
| 123 | AQ | 1 | 846376887 | RECTIFIER OUTPUT CABLE | | | |
| 124 | AR | 1 | 846376895 | RECTIFIER OUTPUT CABLE | | | |
| 125 | AS | 1 | 846376903 | RECTIFIER OUTPUT CABLE | | | |
| 126 | AT | 1 | 846376911 | RECTIFIER OUTPUT CABLE | | | |
| 127 | AU | 1 | 846376919 | RECTIFIER OUTPUT CABLE | | | |
| 128 | AV | 1 | 846376927 | RECTIFIER OUTPUT CABLE | | | |
| 129 | AW | 1 | 846376935 | RECTIFIER OUTPUT CABLE | | | |
| 130 | AX | 1 | 846376943 | RECTIFIER OUTPUT CABLE | | | |
| 131 | AY | 1 | 846376951 | RECTIFIER OUTPUT CABLE | | | |
| 132 | AZ | 1 | 846376959 | RECTIFIER OUTPUT CABLE | | | |
| 133 | AA | 1 | 846376967 | RECTIFIER OUTPUT CABLE | | | |
| 134 | AB | 1 | 846376975 | RECTIFIER OUTPUT CABLE | | | |
| 135 | AC | 1 | 846376983 | RECTIFIER OUTPUT CABLE | | | |
| 136 | AD | 1 | 846376991 | RECTIFIER OUTPUT CABLE | | | |
| 137 | AE | 1 | 846376999 | RECTIFIER OUTPUT CABLE | | | |
| 138 | AF | 1 | 846377007 | RECTIFIER OUTPUT CABLE | | | |
| 139 | AG | 1 | 846377015 | RECTIFIER OUTPUT CABLE | | | |
| 140 | AH | 1 | 846377023 | RECTIFIER OUTPUT CABLE | | | |
| 141 | AI | 1 | 846377031 | RECTIFIER OUTPUT CABLE | | | |
| 142 | AJ | 1 | 846377039 | RECTIFIER OUTPUT CABLE | | | |
| 143 | AK | 1 | 846377047 | RECTIFIER OUTPUT CABLE | | | |
| 144 | AL | 1 | 846377055 | RECTIFIER OUTPUT CABLE | | | |
| 145 | AM | 1 | 846377063 | RECTIFIER OUTPUT CABLE | | | |
| 146 | AN | 1 | 846377071 | RECTIFIER OUTPUT CABLE | | | |
| 147 | AO | 1 | 846377079 | RECTIFIER OUTPUT CABLE | | | |
| 148 | AP | 1 | 846377087 | RECTIFIER OUTPUT CABLE | | | |
| 149 | AQ | 1 | 846377095 | RECTIFIER OUTPUT CABLE | | | |
| 150 | AR | 1 | 846377103 | RECTIFIER OUTPUT CABLE | | | |
| 151 | AS | 1 | 846377111 | RECTIFIER OUTPUT CABLE | | | |
| 152 | AT | 1 | 846377119 | RECTIFIER OUTPUT CABLE | | | |
| 153 | AU | 1 | 846377127 | RECTIFIER OUTPUT CABLE | | | |
| 154 | AV | 1 | 846377135 | RECTIFIER OUTPUT CABLE | | | |
| 155 | AW | 1 | 846377143 | RECTIFIER OUTPUT CABLE | | | |
| 156 | AX | 1 | 846377151 | RECTIFIER OUTPUT CABLE | | | |
| 157 | AY | 1 | 846377159 | RECTIFIER OUTPUT CABLE | | | |
| 158 | AZ | 1 | 846377167 | RECTIFIER OUTPUT CABLE | | | |
| 159 | AA | 1 | 846377175 | RECTIFIER OUTPUT CABLE | | | |
| 160 | AB | 1 | 846377183 | RECTIFIER OUTPUT CABLE | | | |
| 161 | AC | 1 | 846377191 | RECTIFIER OUTPUT CABLE | | | |
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| 163 | AE | 1 | 846377207 | RECTIFIER OUTPUT CABLE | | | |
| 164 | AF | 1 | 846377215 | RECTIFIER OUTPUT CABLE | | | |
| 165 | AG | 1 | 846377223 | RECTIFIER OUTPUT CABLE | | | |
| 166 | AH | 1 | 846377231 | RECTIFIER OUTPUT CABLE | | | |
| 167 | AI | 1 | 846377239 | RECTIFIER OUTPUT CABLE | | | |
| 168 | AJ | 1 | 846377247 | RECTIFIER OUTPUT CABLE | | | |
| 169 | AK | 1 | 846377255 | RECTIFIER OUTPUT CABLE | | | |
| 170 | AL | 1 | 846377263 | RECTIFIER OUTPUT CABLE | | | |
| 171 | AM | 1 | 846377271 | RECTIFIER OUTPUT CABLE | | | |
| 172 | AN | 1 | 846377279 | RECTIFIER OUTPUT CABLE | | | |
| 173 | AO | 1 | 846377287 | RECTIFIER OUTPUT CABLE | | | |
| 174 | AP | 1 | 846377295 | RECTIFIER OUTPUT CABLE | | | |
| 175 | AQ | 1 | 846377303 | RECTIFIER OUTPUT CABLE | | | |
| 176 | AR | 1 | 846377311 | RECTIFIER OUTPUT CABLE | | | |
| 177 | AS | 1 | 846377319 | RECTIFIER OUTPUT CABLE | | | |
| 178 | AT | 1 | 846377327 | RECTIFIER OUTPUT CABLE | | | |
| 179 | AU | 1 | 846377335 | RECTIFIER OUTPUT CABLE | | | |
| 180 | AV | 1 | 846377343 | RECTIFIER OUTPUT CABLE | | | |
| 181 | AW | 1 | 846377351 | RECTIFIER OUTPUT CABLE | | | |
| 182 | AX | 1 | 846377359 | RECTIFIER OUTPUT CABLE | | | |
| 183 | AY | 1 | 846377367 | RECTIFIER OUTPUT CABLE | | | |
| 184 | AZ | 1 | 846377375 | RECTIFIER OUTPUT CABLE | | | |
| 185 | AA | 1 | 846377383 | RECTIFIER OUTPUT CABLE | | | |
| 186 | AB | 1 | 846377391 | RECTIFIER OUTPUT CABLE | | | |
| 187 | AC | 1 | 846377399 | RECTIFIER OUTPUT CABLE | | | |
| 188 | AD | 1 | 846377407 | RECTIFIER OUTPUT CABLE | | | |
| 189 | AE | 1 | 846377415 | RECTIFIER OUTPUT CABLE | | | |
| 190 | AF | 1 | 846377423 | RECTIFIER OUTPUT CABLE | | | |
| 191 | AG | 1 | 846377431 | RECTIFIER OUTPUT CABLE | | | |
| 192 | AH | 1 | 846377439 | RECTIFIER OUTPUT CABLE | | | |
| 193 | AI | 1 | 846377447 | RECTIFIER OUTPUT CABLE | | | |
| 194 | AJ | 1 | 846377455 | RECTIFIER OUTPUT CABLE | | | |
| 195 | AK | 1 | 846377463 | RECTIFIER OUTPUT CABLE | | | |
| 196 | AL | 1 | 846377471 | RECTIFIER OUTPUT CABLE | | | |
| 197 | AM | 1 | 846377479 | RECTIFIER OUTPUT CABLE | | | |
| 198 | AN | 1 | 846377487 | RECTIFIER OUTPUT CABLE | | | |
| 199 | AO | 1 | 846377495 | RECTIFIER OUTPUT CABLE | | | |
| 200 | AP | 1 | 846377503 | RECTIFIER OUTPUT CABLE | | | |
| 201 | AQ | 1 | 846377511 | RECTIFIER OUTPUT CABLE | | | |
| 202 | AR | 1 | 846377519 | | | | |

7

2

B

3

D

E

F

G

H

I

J

K

| STOCKLIST | | | | | | | | | |
|-----------------|---------|-----------|---------|---------|------------------------------|-----|------|-----|------|
| ITEM | A | B | C | D | E | F | G | H | LINE |
| LIST GROUP CODE | QTY PER | IDENT NO. | COMCODE | DRAWING | DESCRIPTION | REF | NOTE | SYM | NO |
| 1 | I | 1 | | | SINGLE BAY FRAME | | | | 101 |
| 2 | I | 1 | | | H-285-224 | | | | 102 |
| 3 | C | 1 | | | EXTERNAL GROUND BUS BAR ASSY | | | | 103 |
| 4 | I | 1 | | | BUS BAR, CHARGE GRD | | | | 104 |
| 5 | I | 1 | | | ADAPTER ASSEMBLY (FRAME GRD) | | | | 105 |
| 6 | A,B | 1 | | | BUS BAR, DISCHG. GND ASSY | | | | 106 |
| 7 | A | 1 | | | BUS BAR, CHARGE | | | | 107 |
| 8 | A | 2 | | | BUS BAR, SHUNT | | | | 108 |
| 9 | A | 6 | | | INSULATOR, 2165-1B (GLASTIC) | | | | 109 |
| 10 | B | 2 | | | INSULATOR, 2165-1B (GLASTIC) | | | | 110 |
| 11 | A | 2 | | | BRACKET ASSY | | | | 111 |
| 12 | B | 2 | | | BRACKET ASSY | | | | 112 |
| 13 | U | 2 | | | BRACKET ASSY | | | | 113 |
| 14 | U | 2 | | | BRACKET ASSY | | | | 114 |
| 15 | U,V | 2 | | | BRACKET ASSY | | | | 115 |
| 16 | I | 5 | | | CABLE BRACKET | | | | 116 |
| 17 | I | 1 | | | COVER, BASE | | | | 117 |
| 18 | I | 1 | | | COVER, REAR | | | | 118 |
| 19 | I | 1 | | | BRACKET ASSY | | | | 119 |
| 20 | I | 4 | | | BRACKET ASSY (COVER) | | | | 120 |
| 21 | I | 1 | | | STILE STRIP ASSY (LEFT) | | | | 121 |
| 22 | I | 1 | | | STILE STRIP ASSY (RIGHT) | | | | 122 |
| 23 | I | 2 | | | BRACKET ASSY | | | | 123 |
| 24 | I | 4 | | | BRACKET | | | | 124 |
| 25 | E | 1 | | | SHUNT, A-50-50 | | | | 125 |
| 26 | F | 1 | | | SHUNT, A-100-50 | | | | 126 |
| 27 | G | 1 | | | SHUNT, A-150-50 | | | | 127 |
| 28 | H | 1 | | | SHUNT, A-200-50 | | | | 128 |
| 29 | I | 1 | | | SHUNT, A-300-50 | | | | 129 |
| 30 | J | 1 | | | SHUNT, A-400-50 | | | | 130 |
| 31 | K | 1 | | | SHUNT, A-600-50 (EMPRO) | | | | 131 |
| 32 | M | 1 | | | BAFFLE ASSY | | | | 132 |
| 33 | N | 1 | | | BAFFLE ASSY | | | | 133 |
| 34 | P | 1 | | | BAFFLE ASSY | | | | 134 |
| 35 | Y | 1 | | | BATTERY SHELF ASSY | | | | 135 |
| 36 | Y | 2 | | | BATTERY TRAY | | | | 136 |
| 37 | D | 1 | | | PANEL ASSY | | | | 137 |
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| 39 | D | 1 | | | HINGE BOLT | | | | 139 |
| 40 | D | 1 | | | E - RING XSI 133-31 (TRIM) | | | | 140 |
| 41 | D | 1 | | | BRACKET, MOUNTING | | | | 141 |
| 42 | D | 1 | | | BRACKET, ASSY | | | | 142 |
| 43 | D | 2 | | | CABLE BRACKET | | | | 143 |
| 44 | D | 1 | | | ANGLE | | | | 144 |
| 45 | D | 1 | | | CHANNEL | | | | 145 |
| 46 | AA | 1 | | | CONTROL CABLE ASSY | | | | 146 |
| 47 | AB | 1 | | | CONTROL CABLE ASSY | | | | 147 |
| 48 | AC | 1 | | | CONTROL CABLE ASSY | | | | 148 |
| 49 | AD | 1 | | | CONTROL CABLE ASSY | | | | 149 |
| 50 | AE | 1 | | | CONTROL CABLE ASSY | | | | 150 |
| 51 | AF | 1 | | | CONTROL CABLE ASSY | | | | 151 |
| 52 | AG | 1 | | | CONTROL CABLE ASSY | | | | 152 |
| 53 | AH | 1 | | | CONTROL CABLE ASSY | | | | 153 |
| 54 | AJ | 1 | | | CONTROL CABLE ASSY | | | | 154 |
| 55 | AK | 1 | | | CONTROL CABLE ASSY | | | | 155 |
| 56 | AL | 1 | | | CONTROL CABLE ASSY | | | | 156 |
| 57 | AM | 1 | | | CONTROL CABLE ASSY | | | | 157 |
| 58 | BA | 1 | | | CONTROL CABLE ASSY | | | | 158 |
| 59 | BB | 1 | | | CONTROL CABLE ASSY | | | | 159 |
| 60 | BC | 1 | | | CONTROL CABLE ASSY | | | | 160 |
| 61 | BD | 1 | | | CONTROL CABLE ASSY | | | | 161 |
| 62 | BE | 1 | | | CONTROL CABLE ASSY | | | | 162 |
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| 65 | BH | 1 | | | CONTROL CABLE ASSY | | | | 165 |
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| 77 | BT | 1 | | | CONTROL CABLE ASSY | | | | 177 |
| 78 | BV | 1 | | | CONTROL CABLE ASSY | | | | 178 |
| 79 | BW | 1 | | | CONTROL CABLE ASSY | | | | 179 |
| 80 | BX | 1 | | | CONTROL CABLE ASSY | | | | 180 |
| 81 | BY | 1 | | | CONTROL CABLE ASSY | | | | 181 |
| 82 | BZ | 1 | | | CONTROL CABLE ASSY | | | | 182 |
| 83 | CA | 1 | | | CONTROL CABLE ASSY | | | | 183 |
| 84 | CB | 1 | | | CONTROL CABLE ASSY | | | | 184 |
| 85 | CC | 1 | | | CONTROL CABLE ASSY | | | | 185 |
| 86 | CD | 1 | | | CONTROL CABLE ASSY | | | | 186 |
| 87 | CE | 1 | | | CONTROL CABLE ASSY | | | | 187 |
| 88 | CF | 1 | | | CONTROL CABLE ASSY | | | | 188 |
| 89 | CG | 1 | | | CONTROL CABLE ASSY | | | | 189 |
| 90 | CH | 1 | | | CONTROL CABLE ASSY | | | | 190 |
| 91 | CI | 1 | | | CONTROL CABLE ASSY | | | | 191 |
| 92 | CJ | 1 | | | CONTROL CABLE ASSY | | | | 192 |
| 93 | CK | 1 | | | CONTROL CABLE ASSY | | | | 193 |
| 94 | CL | 1 | | | CONTROL CABLE ASSY | | | | 194 |
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| 115 | DG | 1 | | | CONTROL CABLE ASSY | | | | 215 |
| 116 | DH | 1 | | | CONTROL CABLE ASSY | | | | 216 |
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| 122 | DN | 1 | | | CONTROL CABLE ASSY | | | | 222 |
| 123 | DO | 1 | | | CONTROL CABLE ASSY | | | | 223 |
| 124 | DP | 1 | | | CONTROL CABLE ASSY | | | | 224 |
| 125 | DQ | 1 | | | CONTROL CABLE ASSY | | | | 225 |
| 126 | DR | 1 | | | CONTROL CABLE ASSY | | | | 226 |
| 127 | DS | 1 | | | CONTROL CABLE ASSY | | | | 227 |
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| 149 | EO | 1 | | | CONTROL CABLE ASSY | | | | 249 |
| 150 | EP | 1 | | | CONTROL CABLE ASSY | | | | 250 |

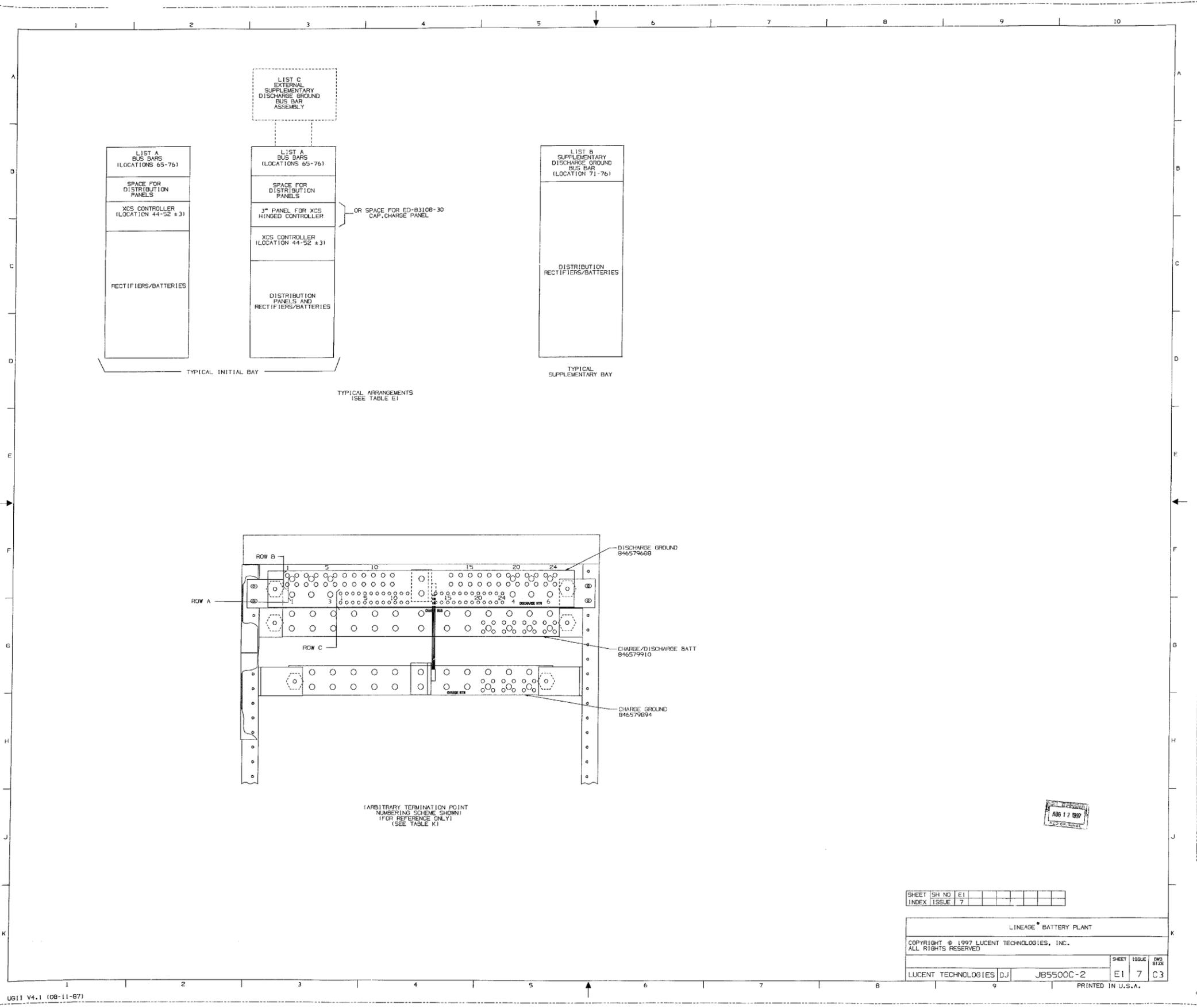
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