

TABLE A - FEATURES								
LINE	DESCRIPTION	RATING	LIST	CIRCUITS AND FIGURES EQUIPPED				
				QTY.	CIRCUIT	FIGURE	WIRING	APPARATUS
1	INITIAL BAY MAIN LIST. FRAMEWORK ASSEMBLY EQUIPPED WITH: CONTROLLER, EQUIPMENT AND HARDWARE FOR ONE RECTIFIER SHELF ASSEMBLY, ONE 2 KVA INVERTER (SET AT 240VAC/50HZ), ONE FRONT AND BACK DOOR KIT, WIRING AND BASIC DISTRIBUTION FOR ONE BATTERY PLANT, 150 AMP MAXIMUM OUTPUT, 20A CIRCUIT BREAKERS ARE NOT INCLUDED. SEE TABLE E FOR SUPPLEMENTARY COMPONENTS. SEE TABLE R FOR SPARE AND MISCELLANEOUS COMPONENTS.		1	1	T-83180-30	1, 2, 3, 4, 5, 7, 8, 11, H1, H3, H4, H5, H6, H7, H8, H9, H10		Y
					T-82677-30	H6, 10		C, H, J, M
2	SUPPLEMENTARY BAY MAIN LIST. FRAMEWORK ASSEMBLY EQUIPPED WITH: EQUIPMENT AND HARDWARE FOR ONE RECTIFIER SHELF ASSEMBLY, ONE FRONT AND BACK DOOR KIT, WIRING AND BASIC DISTRIBUTION FOR ONE SUPPLEMENTARY BATTERY PLANT, 150 AMP MAXIMUM OUTPUT, CIRCUIT BREAKERS ARE NOT INCLUDED. SEE TABLE E FOR SUPPLEMENTARY COMPONENTS. SEE TABLE R FOR SPARE AND MISCELLANEOUS COMPONENTS.		2	1	T-83180-30	H2, H5, H8, H10		P
3	INITIAL BAY OPTIONAL EQUIPMENT. EQUIPMENT REQUIRED IN ADDITION TO LIST 1 TO HAVE A PLANT EQUIPPED WITH A LOW VOLTAGE DISCONNECT (LVD). SEE NOTE 63.		A	1	T-83180-30	6		Z

LINE	CIRCUIT NAME	SCHEMATIC	WRG DIAGRAM	FIGURE	OPT WIRING	WIRED	REMARKS
WIRING PROVIDED BY THE SHOP							
TABLE C - WIRING PROVIDED INFORMATION							
	CA	CB	CC	CD	CE	CF	CG
8	SR SERIES RECTIFIERS/RSA	JB5702B-1		16			
7	JB5501D-1 SCHEMATIC	SD-82699-01		15			
6	ECS CONTROLLER	JB5501D-1		14			
5	INVERTER IAPR BOARD			13			SDM-83179-01
4	2 KVA INVERTER WIRING			12			T-82677-30
3	JB5500M-1 WIRING	T-83180-30		11			SEE INVERTER MANUAL
2	JB5500M-1 SCHEMATIC	SD-83180-01		10			
1	BESS POWER BAY FRAME	+ED50741-70		9			SD-82668-01

LINE	NAME	NUMBER	LINE	NAME	NUMBER
= DENOTES NOT REQUIRED BY INSTALLER					
TABLE D - LIST OF ASSOCIATED DRAWINGS					
	DA		DB		DC

### MANUFACTURING NOTES

- ( ) - DESIGNATIONS TO BE STAMPED IN ACCORDANCE WITH JOB INFORMATION.
- [ ] - INDICATES DESIGNATIONS SHOWN FOR INFORMATION ONLY AND ARE NOT TO BE STAMPED.
- < > - INDICATES INFORMATION PROVIDED IN ACCORDANCE WITH OTHER INFORMATION.
- AS - PARTS THAT ARE TO BE SHIPPED ATTACHED TO OR ENCLOSED IN THE SAME CONTAINER WITH THE ASSOCIATED ASSEMBLED ITEM. PARTS (A) REQUIRED FOR MANUFACTURE WHEN EQUIPMENT INVOLVED IS SHOP MOUNTED OR (B) TO BE SHIPPED ATTACHED TO, OR ENCLOSED IN THE SAME CONTAINER WITH THE ASSOCIATED ASSEMBLED ITEM WHEN FIELD MOUNTED.
- S - ITEMS NOT ASSEMBLED AND SHIPPED SEPARATELY FROM THE EQUIPMENT.
- TORQUES: TIGHTENING TORQUES ARE GIVEN ON A TABLE ON EACH OF THE C SHEETS AND RELEVANT F SHEETS. USE TORQUE SPECIFIED BY THE TABLE UNLESS SPECIFIED OTHERWISE.
- WHEN KS20924 "HYPALON INSULATED" WIRE IS SECURED WITH A CABLE TIE OR CORD, VULCANIZED FIBRE SHOULD BE WRAPPED AROUND THE CABLE, SEPARATING THE CABLE INSULATION FROM THE TIE AND THE CABLE SUPPORT. THIS REQUIREMENT IS DEFINED IN THE AT&T INSTALLATION HANDBOOK #18, SECTION 6, PARAGRAPH 5.1 AND BELLCORE TELECOMMUNICATION EQUIPMENT GUIDELINES, PUBLICATION 773506. VULCANIZED FIBRE IS AVAILABLE IN 1.5 INCH WIDE ROLLS (901204149) OR 3.00 INCH WIDE ROLLS (803401165).
- CONTACTOR: WHEN EQUIPPED WITH THE JB5500M-1 LIST A LVD/R CONTACTOR, REMOVE THE BATTERY/LVD BUS BAR STRAP AND SHIP IT WITH THE BATTERY PLANT.
- CABLES: DALLAS WORKS IS RESPONSIBLE FOR ALL WIRE SET AND CABLE ASSEMBLY DOCUMENTATION.
- CABLES: DRESS RIBBON CABLE ASSEMBLY 846317747 WITH SUFFICIENT SLACK ACROSS HINGE TO PERMIT FULL OPENING OF THE LVD/FUSE BOARD DOOR.
- LABEL: PRINT CHARACTERS ON LABEL 847230505, AS FOLLOWS: POSITION THE INTERNATIONAL SYMBOL FOR DC IN PLACE OF EACH OCCURRENCE OF "DC" BELOW PRINT. THE INTERNATIONAL SYMBOL FOR AC IN PLACE OF EACH OCCURRENCE OF "AC" BELOW:  
FOR LIST 1 (ESLAB LABEL FILE JB5500M-1):  
SERIAL NO XXX      DATE YYDD  
MODEL NUMBER JB5500M-1 LX      SD-83180-01  
RECTIFIER INPUT: (3) AT 208-240 VAC,  
16.5-14 A, 50-60 HZ  
RECTIFIER OUTPUT: 150 AMP, 48-58 VDC  
REFERENCE INVERTER NAMEPLATE  
SHORT CIRCUIT CURRENT RATING: 7000 AMPS  
FOR LIST 2 (ESLAB LABEL FILE JB5500M-1-2-5):  
SERIAL NO XXX      DATE YYDD  
MODEL NUMBER JB5500M-1 LX      SD-83180-01  
RECTIFIER INPUT: (3) AT 208-240 VAC,  
16.5-14 A, 50-60 HZ  
RECTIFIER OUTPUT: 150 AMP, 48-58 VDC  
SHORT CIRCUIT CURRENT RATING: 7000 AMPS
- LABEL: FOR LIST 1, PLACE THE 240VAC/50 HZ LABEL (PART OF THE 847332335 INVERTER RATINGS LABEL SET) ON THE BACK OF THE INVERTER AS SHOWN ON SHEET C11. SHIP THE REST OF THE 847332335 LABEL SET WITH THE BATTERY PLANT.
- LABEL: PLACE 846753101 LABEL OVER THE LED HOLES WHEN NOT EQUIPPED WITH JB5500M-1 LIST A, OTHERWISE PLACE LABEL TO THE LEFT OF THE LEDS ON THE FRONT FACE OF THE DOOR. FOR JB5500M-1 LIST A RETROFITS: REMOVE THE 846851061 LABEL FROM OVER THE LED HOLES AND POSITION A NEW 846851061 LABEL TO THE LEFT OF THE LEDS AS SHOWN ON SHEET C11.
- LABELING: PRIOR TO APPLYING LABELS TO A SURFACE, INSURE THAT THE SURFACE IS SUITABLY CLEAN.
- USE THE FOLLOWING DETAILS OF PS30107 TO PACKAGE THE LIST 1 AND LIST 2 BAYS FOR SHIPPING: DETAIL 1: BASE, DETAIL 5: LINER, DETAIL 6: CAP.
- HARDWARE AND CABLE LUG STACKUP SHOULD BE AS FOLLOWS: FLAT WASHER, CABLE LUG, SPRING WASHER, NUT. TORQUE NUT 20 TO 25 INLBS. DO NOT OVER TORQUE.
- CONTROLLER: SWITCHES AND JUMPERS ON JB5501D-1 CONTROLLER SHALL BE SET AS PART OF FACTORY TEST. SETTINGS ARE GIVEN IN TABLE S1. DIP SWITCH AND JUMPER LOCATIONS ARE GIVEN ON SHEETS F1 AND F2.
- STAMP THE CHARACTER "Z" USING 1/8" CHARACTERS TO THE RIGHT OF THE WORD "OPTION" IN THE STAMPING AREA SHOWN IN SECTION H-H ON SHEET C10.
- BAD1 CP: THE BAD1 CIRCUIT PACK (CP5) SHALL BE CONFIGURED FOR A -42.5 VOLT LOW VOLTAGE DISCONNECT AS PART OF THE FACTORY TEST. SETTINGS ARE GIVEN IN TABLE T. JUMPER LOCATIONS ARE SHOWN IN VIEW R ON SHEET F2.
- INVERTER: FOR LIST 1, THE INVERTER WILL BE CONFIGURED FOR 240VAC/50HZ AS PART OF FACTORY TEST. SETTING INFORMATION IS GIVEN IN THE 2KVA WP91652 INVERTER MANUAL.
- RESERVED FOR FUTURE USE.
- RESERVED FOR FUTURE USE.

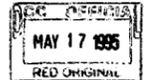
### MANUFACTURING NOTES (CONT'D)

- RESERVED FOR FUTURE USE.
- EQUIPMENT TO BE FIELD MOUNTED BY INSTALLER.
- RESERVED FOR FUTURE USE.
- FRAME ANCHORING: SEE SHEET F4, FOR METHOD OF FLOOR ANCHORING THE FRAMEWORK. SEE SHEET F3 FOR METHOD OF FRAME GROUNDING, AND ADDITIONAL INSTALLATION INFORMATION.
- DISTRIBUTION: THE DISTRIBUTION BUS BAR ARRANGEMENT IS SHOWN PICTORIALLY ON THE INSIDE OF THE FRAME'S BACK DOOR FOR INSTALLATION AND MAINTENANCE REFERENCE. A SIMILAR PICTORIAL IS SHOWN ON SHEET F3. THIS FIGURE ALSO SHOWS CABLING POSITIONS, LOAD RETURN NUMBERING, AND THE LOCATIONS OF THE FRAME AND OPTIONAL DISCHARGE RETURN GROUNDS. SHEET F5 SHOWS CIRCUIT BREAKER MOUNTING.
- CIRCUIT BREAKERS: CIRCUIT BREAKERS ARE TO BE FIELD INSTALLED AT POSITIONS SPECIFIED PER JOB ORDER BY ENGINEER (SEE SHEETS F3 AND F5).
- RECTIFIER: THE INTERNAL SELECTIVE HIGH VOLTAGE SHUTDOWN LEVEL AND LOAD SHARE ENABLE/DISABLE FEATURE OF THE 50 A/-48V SR SERIES RECTIFIER ARE SET WITH DIP SWITCH 701 AS SHOWN IN TABLE S4. FACTORY DEFAULT SETTING FOR THE HIGH VOLTAGE SHUTDOWN IS -58.0 VOLTS LOAD SHARE ENABLE. FACTORY DEFAULT SETTINGS FOR THE RECTIFIER ARE -52.0 VOLTS FLOAT, -54.0 VOLTS EQUALIZE. THE LOCATION OF DIP SWITCH 701 IS GIVEN IN VIEW W ON SHEET F2. REFER TO THE LABEL LOCATED ON THE FRONT OF THE RECTIFIER FOR DIP SWITCH SETTINGS. THIS LABEL IS REPRODUCED IN FIGURE VIEW W ON SHEET F2.
- WIRING: REFER TO SHEETS F2, F3 AND F5 FOR FIELD WIRING INFORMATION.
- BATTERY WIRING: THE NECESSARY HARDWARE REQUIRED TO TERMINATE 4/0 LUGS TO THE BATTERY AND CHARGE RETURN BUS BARS IN THE DISTRIBUTION ARE PROVIDED WITH LIST 1. EIGHT 4/0 LUGS ARE ALSO INCLUDED.
- LOAD WIRING: THE NECESSARY SCREWS, LOAD LUGS AND DISCHARGE RETURN LUGS FOR 10-12 AWG WIRE TERMINATIONS ARE PROVIDED WITH LIST 1 (FOR 22 LOADS) AND LIST 2 (FOR 24 LOADS). FOR OTHER WIRE SIZES THE TERMINAL SCREWS ARE PROVIDED, BUT LOAD LUGS AND DISCHARGE RETURN LUGS MUST BE ORDERED SEPARATELY DEPENDING UPON CABLE SIZE. SEE TABLE E4 FOR LUG INFORMATION. SEE TABLES U FOR WIRE INFORMATION.
- DISCHARGE RETURN GROUND WIRING: NUTS AND LOCKWASHERS ARE INCLUDED FOR THE OPTIONAL DISCHARGE RETURN GROUND FOR LIST 1 AND LIST 2. LUGS FOR THIS CONNECTION ARE NOT INCLUDED.
- WIRING FOR CONNECTING THE INITIAL AND SUPPLEMENTARY BAYS: LIST 2 INCLUDES CABLES AND FASTENING HARDWARE TO CONNECT THE SUPPLEMENTARY BAY TO THE INITIAL BAY WHEN THE SUPPLEMENTARY BAY SITS TO THE LEFT OF THE INITIAL BAY.
- CONTROLLER WIRING: INSTALLER SHALL ROUTE CP1 WIRING FOR OFFICE ALARMS THROUGH THE OPENING IN THE LEFT SIDE OF THE CHASSIS. INSTALLER SHALL LEAVE APPROXIMATELY 10 INCHES OF SLACK IN THE FIELD WIRING FOR THE JB5501D-1 L1 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-83180-01 AND ON LABEL LOCATED ON INSIDE OF JB5501D-1 L1 CONTROLLER DOOR.
- CONTROLLER WIRING: TERMINAL BLOCKS IN CONTROLLER CIRCUIT PACKS ARE SEPARABLE CONNECTORS THAT CAN BE REMOVED FROM THE BOARDS FOR WIRE INSTALLATION.
- RECTIFIER SHELF WIRING: FOR EASE OF RECTIFIER INSTALLATION AND FUTURE GROWTH IT IS RECOMMENDED THAT ALL THREE AC INPUTS TO THE RECTIFIER SHELF ASSEMBLY (RSA) BE WIRED DURING THE INITIAL INSTALLATION. AC INPUT MAY ENTER THE RSA ONLY FROM THE RIGHT. APPROPRIATE LUGS FOR 10 AWG ARE FURNISHED. REFER TO THE LABEL ON THE JB5702B-1 (REPRODUCED IN VIEW V ON SHEET F2) FOR WIRE ROUTING, FITTING CRIMP TOOLS AND APPROPRIATE TORQUE VALUE. IT IS IMPORTANT TO NOTE HOWEVER, THAT THE JB5500M-1 BAY AC MUST BE RUN IN CONDUIT. THEREFORE THE RECOMMENDED FITTINGS FOR THE RECTIFIER SHELF DIFFER SLIGHTLY FROM THOSE SHOWN ON THE RECTIFIER LABEL. FLEXIBLE 2251 FITTINGS ARE UNACCEPTABLE, HOWEVER, LIQUIDTITE 5352 FITTINGS ARE ACCEPTABLE.
- INVERTER WIRING: THE RECOMMENDED AC FITTINGS FOR THE INVERTER CONNECTIONS ARE THE SAME AS THOSE FOR THE RECTIFIER SHELVES (1/2" CONDUIT: T68 8130, 1/2" ARMORED: T68 3132, 1/2" LIQUIDTITE: T68 5352).
- ALL CABLING MUST BE SUPPORTED WITH BRACKETS PROVIDED. BRACKETS NOT USED BY THE FACTORY MAY BE RELOCATED AS REQUIRED.
- RESERVED FOR FUTURE USE.
- INVERTER LABELING: IF THE INVERTER IS RECONFIGURED IN THE FIELD FOR OTHER THAN 240VAC/50 HZ, REPLACE THE 240VAC/50HZ LABEL FROM THE BACK OF THE INVERTER WITH THE APPROPRIATE PART OF THE 847332335 INVERTER RATINGS LABEL SET THAT WAS SHIPPED WITH THE BATTERY PLANT.
- RESERVED FOR FUTURE USE.
- RESERVED FOR FUTURE USE.

### ENGINEERING NOTES

- UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES. 8 SHEET DIMENSIONS THAT ARE ENCLOSED IN PARENTHESES ARE IN MILLIMETERS.
- A SAMPLE ORDER FOR A 150 AMP PLANT EQUIPPED WITH A 500 A LOW VOLTAGE DISCONNECT, (22) 20 A CIRCUIT BREAKERS, AND (3) RECTIFIERS WOULD LOOK AS FOLLOWS:  
ITEM QTY DESCRIPTION  
1 1 JB5500M-1 L1 (BASIC INITIAL BAY)  
E/N  
1 LIST A (LVD OPTION)  
2 22 407098474 (20 A BREAKER)  
3 3 50A/-48V SR SERIES RECTIFIERS
- TABLE E: ALL ITEMS ON TABLE E ARE SEPARATE FROM THE TABLE A LISTS. IF TABLE E ITEMS ARE REQUIRED, THEY MUST BE ORDERED AS SEPARATE SHIPPING ENTITIES.
- TABLE R: SPARE PARTS ARE SHOWN IN TABLE R, AND FURNISHED ONLY IN ACCORDANCE WITH A CUSTOMER'S REQUEST.
- THE INFORMATION FURNISHED PER THIS DRAWING IN ACCORDANCE WITH THE JB5500M-1 BAY PRODUCT MANUAL SPECIFIED BY SELECT CODE 167-790-058.
- TYPICAL PLANT CONFIGURATIONS ARE SHOWN ON SHEET F3. SUPPLEMENTARY BAY IS SHOWN TO THE LEFT OF THE INITIAL BAY. SUPPLEMENTARY BAY MAY ALSO BE INSTALLED TO THE RIGHT OF THE INITIAL BAY.
- ALL BUS BARS ARE SOLDER PLATED COPPER.
- ITEMS INCLUDED WITHIN THE PREP01 AND PREP02 KITS ARE LISTED AT THE END OF THE STOCKLIST FOR REFERENCE ONLY. THESE KITS MAY CONTAIN EXTRA HARDWARE NOT REQUIRED TO INSTALL CERTAIN LISTS IN THE FIELD.
- RESERVED FOR FUTURE USE.  
.FLOOR PLAN DATA
- FLOOR PLAN DATA IS GIVEN ON SHEET G1. THIS INFORMATION INCLUDES HEAT RELEASE DATA, WEIGHT AND FOOTPRINT INFORMATION.
- ANCHOR MATERIAL FOR FRAMEWORK IS NOT PROVIDED WITH THE POWER BAY. REFER TO SHEET F4 FOR FLOOR HOLE PATTERN.
- RESERVED FOR FUTURE USE.  
.GROUNDING
- FRAME GROUND CONNECTION, SHOWN ON SHEET F3, WILL ACCOMMODATE STRANDED 1/0 OR FLEX CLASS 1 1 AWG CABLE. THE DISCHARGE RETURN GROUND WILL ACCOMMODATE LUGS FROM TABLE U1. THE DISCHARGE RETURN STUDS REQUIRE 3/8-16 NUTS AND WASHERS.  
.LOW VOLTAGE DISCONNECT
- 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 (CP5) ACROSS PINS 2 AND 3 OF P505.1 AND P505.2 RESPECTIVELY. REFER TO TABLE T. JUMPER LOCATIONS ARE GIVEN ON SHEET F2, VIEW R.  
.RECTIFIER SHELF ASSEMBLY
- SEE TO NOTE 29.
- SEE NOTE 37.  
.INVERTER
- SEE NOTE 20.

SHEET	ISSUE	2		1		2		1	
		A1	A2	A3	B1	B2	C1	C2	C3
INDEX	SH NO	C2	C3	C4	C5	C6	C7		
	ISSUE	1	1	1	1	1	1	2	
INDEX	SH NO	C8	C9	C10	C11	C12	D1		
	ISSUE	1	1	1	1	1	1	1	
INDEX	SH NO	F1	F2	F3	F4	F5	G1		
	ISSUE	1	1	1	1	1	1	1	



"LINEAGE 2000" BATTERY PLANT INPUT: 208/240 VAC, 50/60 HZ OUTPUT: -48 VDC, 150 A MAX FRONT AND REAR ACCESS		USED ON	DRAWING
COPYRIGHT © 1994 AT&T ALL RIGHTS RESERVED		SCALE: C2	DISTN CODE: BM10
AT&T	DJ	JB5500M-1	SHEET 24 OF 24
		ISSUE 2	DWG SIZE C2

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ENGINEERING NOTES (CONT'D)

67. RESERVED FOR FUTURE USE.  
.CIRCUIT BREAKERS
68. CIRCUIT BREAKERS ARE NOT FACTORY MOUNTED. WITH THE EXCEPTION OF THE 100 AMP BREAKER WHICH IS FURNISHED WITH LIST 1 (THE INITIAL BAY). IT IS PRE-WIRED TO THE INVERTER IN CIRCUIT BREAKER POSITIONS 1 AND 2.
69. ENGINEER NEEDS TO SPECIFY CIRCUIT BREAKER POSITION ON DISTRIBUTION. CIRCUIT BREAKER POSITIONS ARE NUMBERED FROM LEFT TO RIGHT ON THE DISTRIBUTION TRAY. LOAD RETURNS ARE NUMBERED FROM RIGHT TO LEFT ON THE DISCHARGE RETURN. REFER TO SHEET F3.
70. THE JB5500M-1 LIST 1 DISTRIBUTION CAN ACCOMMODATE A MAXIMUM OF (22) SINGLE POSITION 3-30 AMP CIRCUIT BREAKERS. SEE TABLE E2.
71. THE JB5500M-1 LIST 2 CAN ACCOMMODATE A MAXIMUM OF (24) SINGLE POSITION 3-30 AMP CIRCUIT BREAKERS. (1) 45-100 AMP BREAKER MAY BE USED IN PLACE OF TWO OF THE SINGLE POSITION BREAKERS. THE 45-100 AMP BREAKER MUST BE USED IN POSITIONS 1 AND 2 OR IN POSITIONS 23 AND 24. THE 45-100 AMP CIRCUIT BREAKERS REQUIRE THE USE OF A TERMINAL ADAPTER. 847239902, WHICH IS INCLUDED WITH THE BAY. REFER TO TABLE E2 FOR BREAKER ORDERING INFORMATION, AND TO TABLE E4 FOR REQUIRED HARDWARE ORDERING INFORMATION.
72. DO NOT EXCEED 150 AMP LOADING (LIST 2 CURRENT DRAIN) PER BAY.
73. HARDWARE FOR 10-12 AWG TERMINATIONS IS INCLUDED WITH THE BAYS (SEE NOTE 32) FOR THE STANDARD AWS APPLICATION. BREAKERS, AS ORDERED FROM TABLE E DO NOT COME WITH HARDWARE (E.G., LUGS AND SECURING HARDWARE). HARDWARE NEEDS TO BE ORDERED SEPARATELY. REQUIRED HARDWARE FOR SPECIFIC WIRE GAUGES IS LISTED IN TABLE E4.
74. RESERVED FOR FUTURE USE.
75. RESERVED FOR FUTURE USE.  
.FIELD WIRING
76. SEE NOTES 31, 32, 33 AND 34.
77. RESERVED FOR FUTURE USE.
78. AC WIRING MUST BE RUN IN CONDUIT AND WIRED IN ACCORDANCE WITH THE NEC AND ANY OTHER APPLICABLE LOCAL CODE.
79. INSULATION ON FIELD WIRING CONDUCTORS (EXCEPT FOR THE INVERTER) SHOULD BE RATED AT NO LESS THAN 75 DEGREES CELSIUS. WIRE CONDUCTORS SIZE SHOULD BE NO LESS THAN THAT ALLOWED BY ELECTRICAL CODES FOR 60 DEGREES CELSIUS WIRE (REGARDLESS OF INSULATION TEMPERATURE USED) AND THE AMPACITY OF THE ASSOCIATED PROTECTION DEVICE.
80. UL LISTED COMPRESSION CONNECTORS SHALL BE USED TO TERMINATE UL LISTED FIELD WIRED CONDUCTORS WHERE REQUIRED. THE LISTED CONNECTOR SHALL BE APPLIED ONLY TO APPROPRIATELY SIZED CONDUCTORS AS SPECIFIED BY THE CONNECTOR MANUFACTURER'S RECOMMENDED TOOLING. REFER TO TABLE U FOR A LIST OF APPROVED CONNECTORS. REFER TO THE JB5500M-1 BAY PRODUCT MANUAL FOR PROPER CRIMP TOOL INFORMATION.
81. PER THE INVERTER PRODUCT MANUAL, WIRING RUN WITHIN THE INVERTER MUST BE RATED TO 105 DEGREES CELSIUS. REFER TO THE INVERTER PRODUCT MANUAL FOR TEMPERATURE CONSTRAINTS ON INVERTER WIRING.
82. THE DISTRIBUTION BAY ALLOWS DIRECT TERMINATION OF 4/0 FLEX WIRE FOR BATTERY (+ AND -) AND DISCHARGE RETURN GROUND TERMINATIONS. "H TAPS" SHOULD BE USED FOR LARGER WIRE SIZE REQUIREMENTS.
83. REFER TO TABLES U FOR FIELD WIRING AND HARDWARE.
84. RESERVED FOR FUTURE USE.  
.CONTROLLER
85. THE JB5501D-1 L1 CONTROLLER IS CONFIGURED BY THE SHOP FOR -54.0V FLOAT SYSTEMS WITHOUT EQUALIZE CHARGING (REFER TO TABLES S1 AND S2). IN ADDITION, THE FOLLOWING ALARM LEVELS ARE SET FOR BATTERIES WHICH FLOAT AT 2.25V AND 2.27V FOR 24 CELLS.
- 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 THE TABLES S1 AND S2.
- .OPTIONAL CONTROLLER EQUIPMENT
86. THE CP2 WITH NO VOICE RESPONSE KIT, COMCODED 847366796, IS SHIPPED SEPARATELY. THIS KIT INCLUDES A PLUG-IN MICROPROCESSOR BOARD (MCB0041A1B), A BACKUP BATTERY AND A PRODUCT MANUAL.
87. THE CP2 WITH VOICE RESPONSE KIT, COMCODED 847366796, IS SHIPPED SEPARATELY. THIS KIT INCLUDES A PLUG-IN MICROPROCESSOR BOARD (MCB0041A3B), A BACKUP BATTERY AND A PRODUCT MANUAL.
88. REFER TO TABLE R FOR ORDERING INFORMATION FOR A REPLACEMENT BATTERY FOR CP2.

ENGINEERING NOTES (CONT'D)

89. THE CP2 UPGRADE KIT, COMCODED 846616894, IS SHIPPED SEPARATELY. THIS KIT INCLUDES TWO SPEECH INTEGRATED CIRCUITS AND INSTRUCTIONS TO ADD THE VOICE RESPONSE FEATURE TO THE CP2 WITHOUT VOICE RESPONSE KIT.
90. CP2 IS REQUIRED IF CP3 IS ORDERED.
91. THE CP3 DATA LOGGER CIRCUIT PACK KIT, COMCODED 846575223, IS SHIPPED SEPARATELY. THIS KIT INCLUDES A PLUG-IN CP3 CIRCUIT PACK (CP BAC1), A SET OF CURRENT LIMITING RESISTOR ASSEMBLIES, AND A PRODUCT MANUAL.
92. THE CP3 DATA LOGGER CIRCUIT PACK WITH REMOTE TERMINATION PANEL KIT, COMCODED 846632982 (CP BAC2), IS SHIPPED SEPARATELY. THIS KIT INCLUDES A PLUG-IN CP3 CIRCUIT PACK, A REMOTE TERMINATION PANEL WITH A SIX FOOT LONG CABLE SET, A SET OF CURRENT LIMITING RESISTOR ASSEMBLIES, AND A PRODUCT MANUAL.
93. CURRENT LIMITING RESISTOR ASSEMBLIES AS MENTIONED IN THE TWO PREVIOUS NOTES ARE REQUIRED IN THE INSTALLATION OF CP3 AND ARE CALIBRATED INTO THE DATALOGGER. ANALOG CHANNEL READINGS WILL NOT BE ACCURATE WITHOUT THESE RESISTORS. FURTHERMORE, THEY ARE REQUIRED TO INSURE THAT FIELD WIRING TO CP3 BE RATED CLASS 2 PER THE NEC. (REFER TO THE CP2/CP3 PRODUCT MANUAL 167-790-109).

TABLE E1:  
SUPPLEMENTARY COMPONENTS TO THE MAIN LIST  
POWER UNIT (SEE NOTE 52)

ITEM	DESCRIPTION	CODE	RATING
A1	48V/50A RECTIFIER	107310187	

TABLE E2:  
SUPPLEMENTARY COMPONENTS TO THE MAIN LIST  
CIRCUIT BREAKER OPTIONS (SEE NOTES 26, 52, 68-73)

ITEM	DESCRIPTION	CODE	RATING
B1	3 AMP BREAKER (SINGLE POLE)	407098417	
B2	5 AMP BREAKER (SINGLE POLE)	407098425	
B3	10 AMP BREAKER (SINGLE POLE)	407098433	
B4	15 AMP BREAKER (SINGLE POLE)	407098458	
B5	16 AMP BREAKER (SINGLE POLE)	407098466	
B6	20 AMP BREAKER (SINGLE POLE)	407098474	
B7	25 AMP BREAKER (SINGLE POLE)	407098482	
B8	30 AMP BREAKER (SINGLE POLE)	407098490	
B9	45 AMP BREAKER (DOUBLE POLE)	407098508	
B10	60 AMP BREAKER (DOUBLE POLE)	407098532	
B11	70 AMP BREAKER (DOUBLE POLE)	407098540	
B12	80 AMP BREAKER (DOUBLE POLE)	407098557	
B13	90 AMP BREAKER (DOUBLE POLE)	407098565	
B14	100 AMP BREAKER (DOUBLE POLE)	407098573	

TABLE E3:  
SUPPLEMENTARY COMPONENTS TO THE MAIN LIST  
JB5501D1 L-1 CONTROLLER OPTIONS (SEE NOTES 52, 86-93)

ITEM	DESCRIPTION	CODE	RATING
C1	CP2 MICROPROCESSOR CIRCUIT PACK KIT WITHOUT VOICE RESPONSE (SEE NOTES 86, 88)	847366796	
C2	CP2 MICROPROCESSOR CIRCUIT PACK KIT WITH VOICE RESPONSE (SEE NOTES 87, 88)	847366796	
C3	CP2 VOICE FIELD UPGRADE KIT, NOT REQUIRED WHEN CP2 VOICE KIT IS ORDERED (SEE NOTE 89)	846616894	
C4	CP3 DATALOGGER KIT WITHOUT REMOTE TERMINATION PANEL (SEE NOTES 91, 93)	846575223	
C5	CP3 DATALOGGER KIT WITH REMOTE TERMINATION PANEL (SEE NOTES 92, 93)	846632982	

TABLE E4:  
SUPPLEMENTARY COMPONENTS TO THE MAIN LIST  
BREAKER HARDWARE REQUIREMENTS  
(SEE NOTES 32, 52, 73)

DESCRIPTION	COMCODE	QTY	PART NUMBER
HARDWARE REQUIRED FOR EACH 14 AWG BREAKER CONNECTION			
SINGLE HOLE INSULATED LUG	405855859	1	AMP 2-36161-1
DOUBLE HOLE LUG	405356171	1	WP 91412 L73
SECURING HARDWARE	840059346	2	8-32 SCREWS
HARDWARE REQUIRED FOR EACH 12-10 AWG BREAKER CONNECTION			
SINGLE HOLE INSULATED LUG	402624795	1	AMP 2-36161-2
DOUBLE HOLE LUG	405356171	1	WP 91412 L73
SECURING HARDWARE	840059346	2	8-32 SCREWS
HARDWARE REQUIRED FOR EACH 8 AWG BREAKER CONNECTION			
SINGLE HOLE INSULATED LUG	405007964	1	T&B RD367M
DOUBLE HOLE LUG	405332825	1	WP 91412 L100
SECURING HARDWARE	840059346	2	8-32 SCREWS
HARDWARE REQUIRED FOR EACH 6 AWG BREAKER CONNECTION			
DOUBLE HOLE LUG	405347519	2	WP 91412 L3
ADAPTOR BUS BAR	847239902	1	--
SHRINK TUBING	200146124	2	2" PRECUT
	841059843	2	1/4-20 X 1/2 SCREW
	803690668	2	1/4 LOCKWASHERS
	801098963	2	1/4 WASHERS
	841064777	2	3/8-16 NUTS
	802286773	2	3/8 LOCKWASHERS
	802841635	2	3/8 WASHERS
SECURING HARDWARE			
HARDWARE REQUIRED FOR EACH 4 AWG BREAKER CONNECTION			
DOUBLE HOLE LUG	405347576	2	WP 91412 L5
ADAPTOR BUS BAR	847239902	1	--
SHRINK TUBING	200146124	2	2" PRECUT
	841059843	2	1/4-20 X 1/2 SCREW
	803690668	2	1/4 LOCKWASHERS
	801098963	2	1/4 WASHERS
	841064777	2	3/8-16 NUTS
	802286773	2	3/8 LOCKWASHERS
	802841635	2	3/8 WASHERS
SECURING HARDWARE			
HARDWARE REQUIRED FOR EACH 2 AWG STRANDED CLASS B BREAKER CONNECTION			
DOUBLE HOLE LUG	405348202	2	WP 91412 L54
ADAPTOR BUS BAR	847239902	1	--
SHRINK TUBING	200146173	2	2" PRECUT
	841059843	2	1/4-20 X 1/2 SCREW
	803690668	2	1/4 LOCKWASHERS
	801098963	2	1/4 WASHERS
	841064777	2	3/8-16 NUTS
	802286773	2	3/8 LOCKWASHERS
	802841635	2	3/8 WASHERS
SECURING HARDWARE			

TABLE R1:  
RECOMMENDED SPARE PARTS TO STOCK (SEE NOTE 53)

ORDERING CODE	DESCRIPTION	REFERENCE
846835882	DC FAN (KS22501 L15)	
106671746	113A2 CONTROL UNIT	CP1
405673146	1 1/3 A FUSE (WP90247L7)	F501-F511
405181983	2 A FUSE (WP90247L9)	F512
406099440	INVERTER SPARE PARTS (WP91652 L205)	

TABLE R2:  
ORDERABLE SPARE PARTS (SEE NOTES 53, 88)

ORDERING CODE	DESCRIPTION	REFERENCE
107310187	364A3 POWER UNIT	
846835882	DC FAN (KS22501 L15)	
106671746	113A2 CONTROL UNIT	CP1
106509102	CP-BAD1 SERIES 2 LVD/FUSE BOARD	CP5
405281428	REPLACEMENT BATTERY FOR CP2 (CR-1/3N)	BT201
40526079	REPLACEMENT BATTERY FOR CP2 (CR-1/3N)	BT2032
405673146	1 1/3 A FUSE (WP90247L7)	F501-F511
405181983	2 A FUSE (WP90247L9)	F512
107102907	INVERTER AUTOPOWER RESTART BOARD	CP BMA1

TABLE S1:  
CONTROLLER FACTORY SETTINGS FOR -54.0 V FLOAT  
(SEE NOTES 17, 85)

BACKPLANE 846199602			113A CONTROL UNIT		
HEADER	JUMPER PINS	FUNCTION	HEADER	JUMPER PINS	FUNCTION
P602.1	2 & 3	48 VOLTS	P105	1 & 2	RESTART
P602.2					
P602.3	2 & 3	48 VOLTS	P106	1 & 2	FLOAT
P602.4					
			P107	1 & 2	FOR JB5500D-1 RECTIFIER SHELF
			P108		
SWITCH SETTINGS (CP1) 0=OPEN, 1=CLOSED					
SWITCH		FUNCTION	SWITCH POSITION		
			-1	-2	-3
			-4	-5	-6
SW101	HV/EQ LEVEL (-57 VOLTS)		1	1	0
SW102	HV/FL LEVEL (-55 VOLTS)		1	1	0
SW103	BD LEVEL (-53 VOLTS)		1	0	0
SW109	METER SHUNT (300 AMPS)		0	0	0/1

TABLE S2:  
DIP SWITCH SETTINGS FOR CONTROLLER (SEE NOTE 85)

SWITCH SETTINGS (0 = OPEN, 1 = CLOSED)						
SW 101- HV/EQ	SW 102- HV/FL	SW 103- BD	SWITCH SETTING			
			-1	-2	-3	-4
-51.00	-49.00	-46.00	1	1	1	1
-51.50	-49.50	-46.50	0	1	1	1
-52.00	-50.00	-47.00	1	0	1	1
-52.50	-50.50	-47.50	0	0	1	1
-53.00	-51.00	-48.00	1	1	0	1
-53.50	-51.50	-48.50	0	1	0	1
-54.00	-52.00	-49.00	1	0	0	1
-54.50	-52.50	-49.50	0	0	0	1
-55.00	-53.00	-50.00	1	1	1	0
-55.50	-53.50	-50.50	0	1	1	0
-56.00	-54.00	-51.00	1	0	1	0
-56.50	-54.50	-51.50	0	0	1	0
-57.00	-55.00	-52.00	1	1	0	0
-57.50	-55.50	-52.50	0	1	0	0
-58.00	-56.00	-53.00	1	0	0	0
-58.50	-56.50	-53.50	0	0	0	0
-59.00	-57.00	-54.00	1	1	1	0
-59.50	-57.50	-54.50	0	1	1	0
-60.00	-58.00	-55.00	1	0	1	0

TABLE S3:  
CP2 DIP SWITCH SETTINGS (SEE NOTE 85)

(0 = OPEN, 1 = CLOSED)			
SW202	FUNCTION	OPTION	SWITCH SETTING
-1	REMOTE	ENABLED	0
		DISABLED	1
-2	SHUNT	300A	-2 -3 -4
-3			1 0 1
-4	SIZE		
-5	-- RESERVED --		
-6	MAXIMUM NUMBER OF RECTIFIERS	6 RECTIFIERS	1
-7	NOMINAL BATTERY PLANT VOLTAGE	-46 VOLTS	0
-8	LOCAL PORT	TERMINAL	0
		PRINTER	1

TABLE S4:  
RECTIFIER DIP SWITCH SW701 SETTINGS FOR SR50/-48V RECTIFIER (SEE NOTE 29)

SWITCH SETTINGS (0=OPEN, 1=CLOSED)					
INTERNAL SELECT HVSD (VOLTS)					LOAD SHARE
	1	2	3	4	5
-50.0	1	1	1	1	1
-51.0	1	1	1	0	1
-52.0	1	1	0	1	1
-53.0	1	1	0	0	1
-54.0	1	0	1	1	1
-55.0	1	0	1	0	1
-56.0	1	0	0	1	1
-57.0	1	0	0	0	1
-58.0	0	1	1	1	1

1=ENABLED  
0=DISABLED

TABLE T:  
LOW VOLTAGE DISCONNECT SETTINGS (BAD1 CKT PACK-CP5) (SEE NOTES 19, 63)

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



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AT&T	DJ	JB5500M-1	SHEET A2	ISSUE 2	DWG SIZE C2
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Mon Jan 30 15:18:20 CST 1995 (J817) [JB5500M-1 2 of 3]

TABLE U1:  
BATTERY, RECTIFIER & DISCHARGE GROUND TERMINATIONS  
DOUBLE HOLE (SEE NOTES 31, 33, 62, 80, 83)

STRANDED CLASS B KS-5482 OR KS-23814 OR EQUIV.	FLEX CLASS I KS-20921 OR KS-23835 OR EQUIV	TERMINAL P/N	COMCODE	HW SIZE	CENTERS
6	6	WP 91412 L111	406332841	3/8-16	1.00"
4	4	WP 91412 L116	406332940	3/8-16	1.00"
2	--	WP 91412 L121	406336665	3/8-16	1.00"
1/0	--	WP 91412 L56	405348228	3/8-16	1.00"
2/0	1/0	WP 91412 L57	405348236	3/8-16	1.00"
--	2/0	WP 91412 L77	406021725	3/8-16	1.00"
--	4/0	WP 91412 L27	405347923	3/8-16	1.00"

TABLE U2:  
FRAME GROUND TERMINATION  
DOUBLE HOLE (SEE NOTES 80, 83)

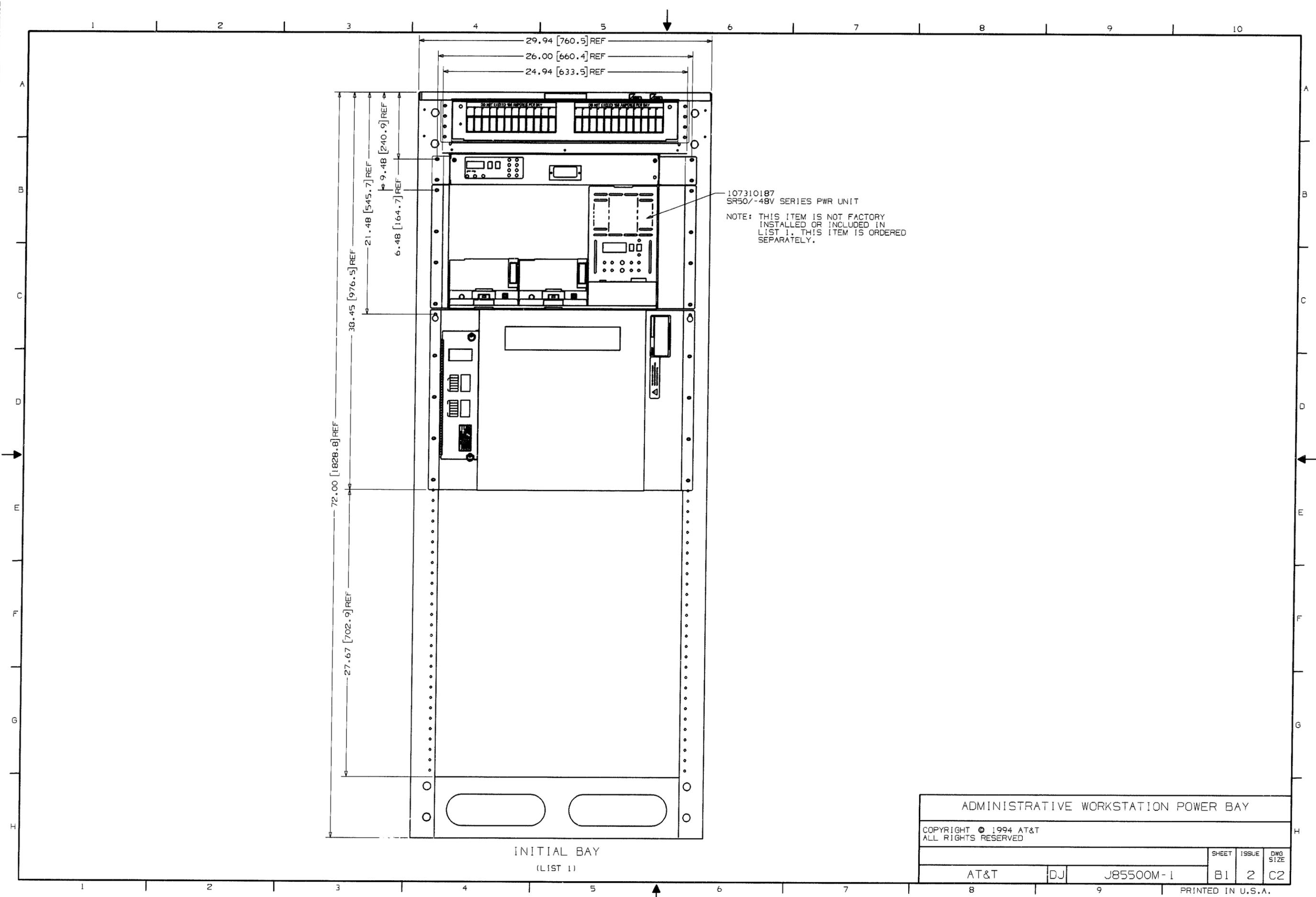
STRANDED CLASS B KS-5482 OR KS-23814 OR EQUIV.	FLEX CLASS I KS-20921 OR KS-23835 OR EQUIV	TERMINAL P/N	COMCODE	HW SIZE	CENTERS
1/0	1	T&B 54209UF	400831475	3/8-16	1.00"

TABLE U3:  
LOAD TERMINATIONS (SEE NOTE 32, 80, 83)

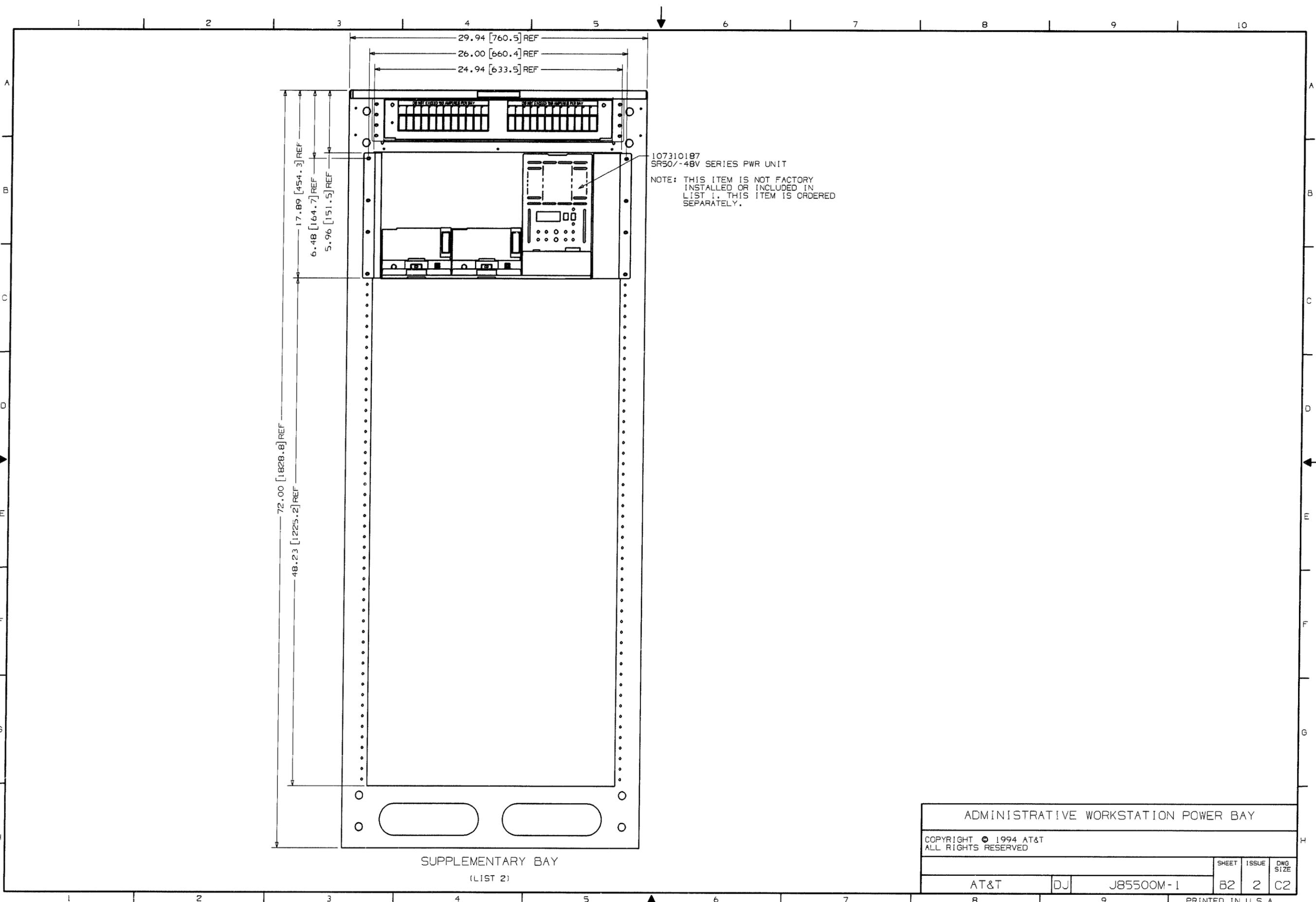
STRANDED CLASS B KS-5482 OR KS-23814 OR EQUIV.	FLEX CLASS I KS-20921 OR KS-23835 OR EQUIV	TERMINAL P/N	COMCODE	HW SIZE	CENTERS
LOAD SIDE					
14	--	AMP 2-36160-1	405855859	10-32	N/A
12-10	--	AMP 2-36161-2	402624795	10-32	N/A
8	8		405007964	10-32	N/A
RETURN SIDE					
14-10	14-10	WP 91412 L73	405356171	8-32	.625"
8	8	WP 91412 L100	406332825	8-32	.625"
ADAPTOR (LOAD SIDE)					
6	6	WP 91412 L3	405347519	1/4-20	.625"
4	4	WP 91412 L5	405347576	1/4-20	.625"
2	--	WP 91412 L54	405348202	1/4-20	.625"
--	2	WP 91412 LB	405347683	1/4-20	.625"

JCC DISTRIA  
 AUG - 4 1994  
 RED ORIGINAL

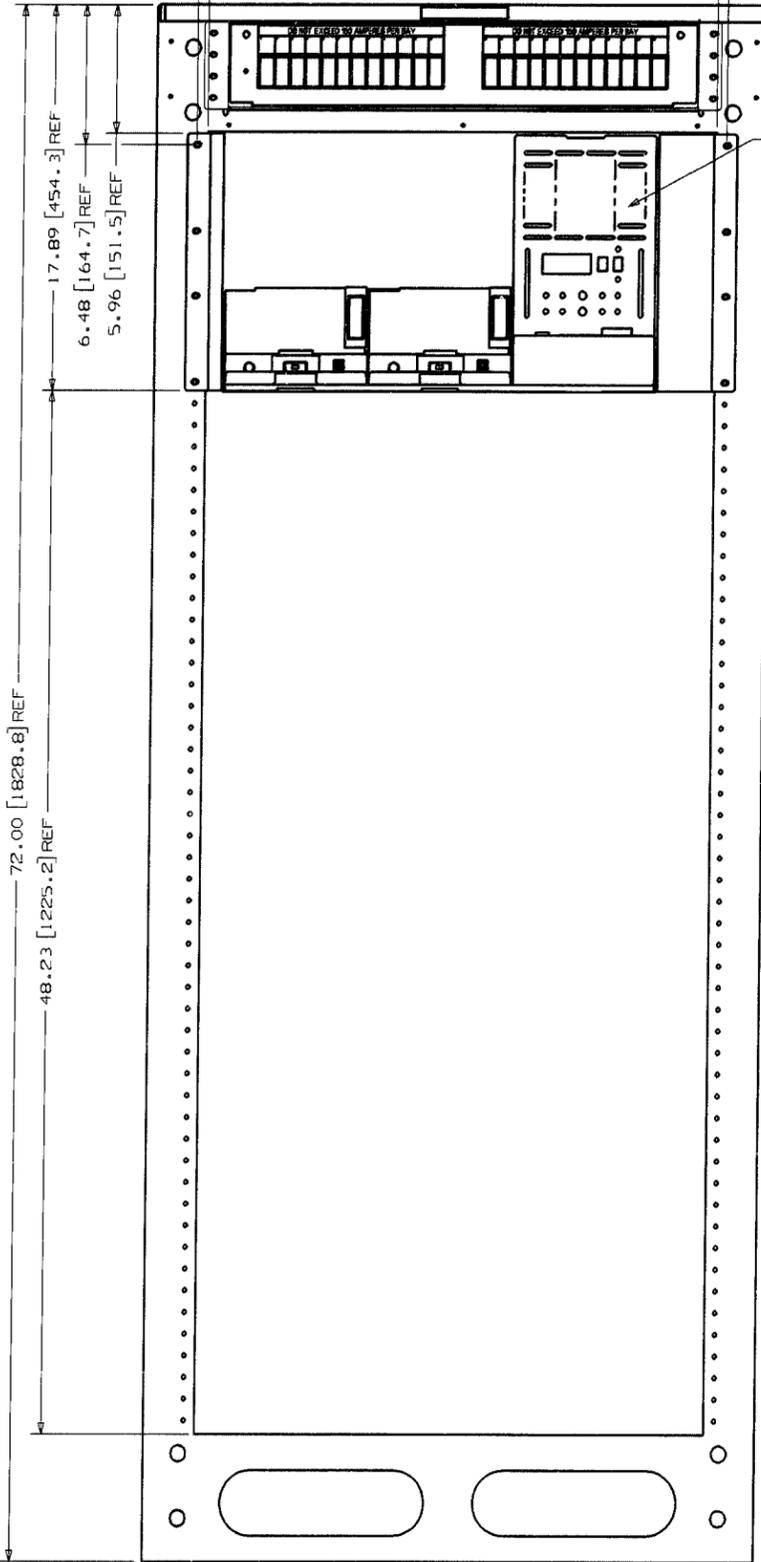
POWER SYSTEMS			
AT&T	DJ	JB5500M-1	SHEET ISSUE DWG A3 1 C2



ADMINISTRATIVE WORKSTATION POWER BAY		
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AT&T	DJ	J85500M-1
SHEET	ISSUE	DWG SIZE
B1	2	C2

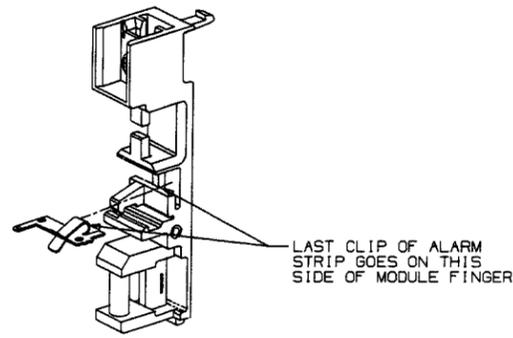


107310187  
SR50/-48V SERIES PWR UNIT  
NOTE: THIS ITEM IS NOT FACTORY  
INSTALLED OR INCLUDED IN  
LIST 1. THIS ITEM IS ORDERED  
SEPARATELY.



SUPPLEMENTARY BAY  
(LIST 2)

ADMINISTRATIVE WORKSTATION POWER BAY			
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	SHEET	ISSUE	DWG SIZE
AT&T	DJ	J85500M-1	B2 2 C2



VIEW A  
(ISH C1 AND C2/ZN G5)

NOTE: BUFF AS REQUIRED AND APPLY NO-OX-ID (CC 996417754) TO ITEM 16 BUS BARS.

- 126: 801724857 SCR, HHC .250-20 X .62
- 129: 803690668 WSHR, LK .250-20
- 130: 801098963 WSHR, FLT .250 (2 PLCS)

- 128: 841064751 NUT, .250-20
- 129: 803690668 WSHR, LK .250-20
- 130: 801098963 WSHR, FLT .250 (2 PLCS)

- 123: 996523080 STNDOFF, 2165-1A (2 PLCS)

- 109: 900711680 NUT, HEX .190-32 E/W LKWR TO DISTN DOOR GRD STUD

- 16: 407121342 CONTACTOR, 300A (LIST A ONLY)
- 50: 846182731 BUS BAR, STRAP (LIST 1 ONLY) (SEE NOTE B)

- 136: 841064769 NUT, .312-18
- 137: 802986273 LKWR .312
- 138: 814251880 WSHR, FLT .312 (4 PLCS)

- 45: 847206513 CHARGE BUS, BATTERY

- 126: 801724857 SCR, HHC .250-20 X .62
- 129: 803690668 LKWR .250
- 130: 801098963 WSHR, FLT .250 (3 PLCS)

NOTE: INSTALL LOAD BUSBAR HORIZONTALLY THROUGH LARGE HOLE IN TRAY SIDE. AFTER INSTALLATION OF ITEM 14, CIRCUIT BREAKER HOLDER.

- 47: 847206547 LOAD BUS, 24 POSITION

- 126: 801724857 SCR, HH .250-20 X .62
- 129: 803690668 LKWR .250
- 130: 801098963 WSHR, FLT .250 (2 PLCS)

- 127: 801331026 SCR, HH .250-20 X .87
- 129: 803690668 LKWR .250
- 130: 801098963 WSHR, FLT .250 (2 PLCS)

- 123: 996523080 STNDOFF, 2165-1A (2 PLCS)

- 123: 996523080 INSULATOR, 2165-1A (2 PLCS)

- 123: 996523080 INSULATOR, 2165-1A

- 107: 901015461 NUT, HEX .164-32 E/W LKWR (2 PLCS)

- 109: 900711680 NUT, HEX .190-32 E/W LK WSHR (2 PLCS)

- 163: 402105357 CABLE GUIDE (2 PLCS)

- 29: 847206661 COVER, CKT BRKR

- 83: 847150059 LABEL, BATTERY VOLTAGE

- 28: 847206497 DISTRIBUTION TRAY ASSY

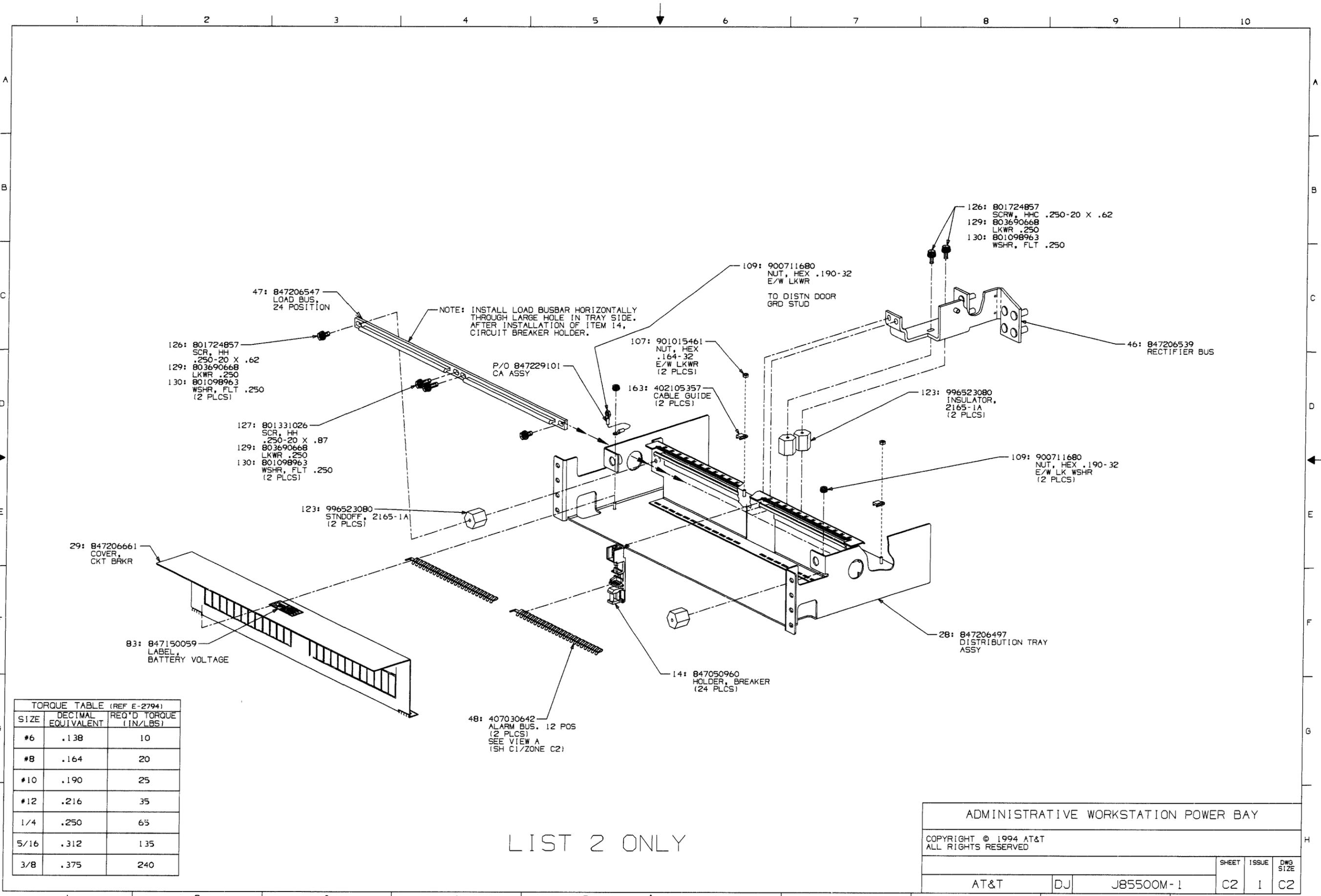
- 14: 847050960 HOLDER, BREAKER (24 PLCS)

- 48: 407030642 ALARM BUS, 12 POS (2 PLCS) SEE VIEW A (ISH C1/ZONE C2)

TORQUE TABLE (REF E-2794)		
SIZE	DECIMAL EQUIVALENT	REQ'D TORQUE (IN/LBS)
#6	.138	10
#8	.164	20
#10	.190	25
#12	.216	35
1/4	.250	65
5/16	.312	135
3/8	.375	240

LIST 1 AND LIST 1 E/W LIST A

ADMINISTRATIVE WORKSTATION POWER BAY						
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AT&T		DJ	J85500M-1	SHEET C1	ISSUE 1	DWG SIZE C2



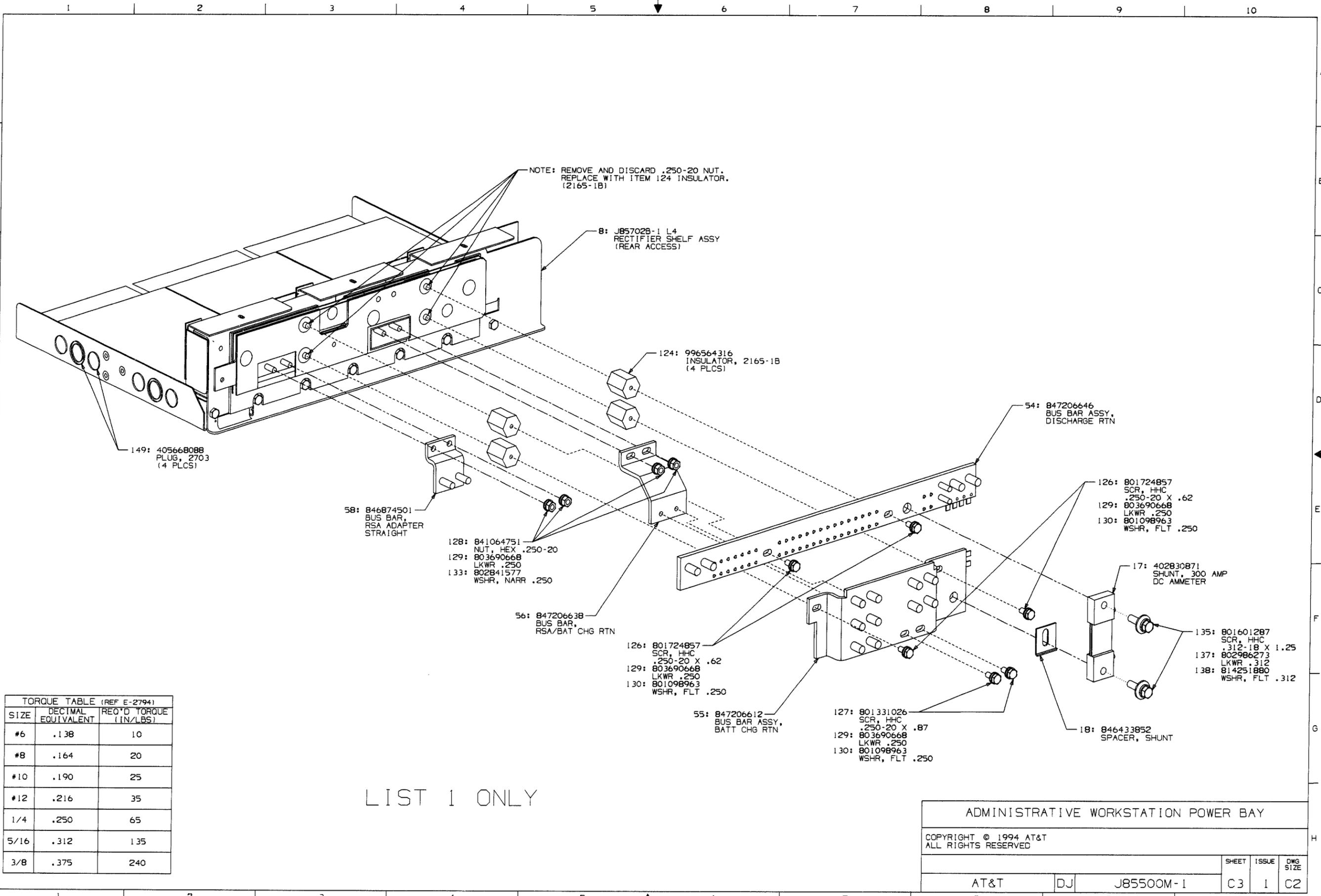
- 126: 801724857 SCR, HH .250-20 X .62
- 129: 803690668 LKWR .250
- 130: 801098963 WSHR, FLT .250 (2 PLCS)
- 47: 847206547 LOAD BUS, 24 POSITION
- NOTE: INSTALL LOAD BUSBAR HORIZONTALLY THROUGH LARGE HOLE IN TRAY SIDE. AFTER INSTALLATION OF ITEM 14, CIRCUIT BREAKER HOLDER.
- P/O 847229101 CA ASSY
- 107: 901015461 NUT, HEX .164-32 E/W LKWR (2 PLCS)
- 163: 402105357 CABLE GUIDE (2 PLCS)
- 109: 900711680 NUT, HEX .190-32 E/W LKWR TO DISTN DOOR GRD STUD
- 123: 996523080 INSULATOR, 2165-1A (2 PLCS)
- 46: 847206539 RECTIFIER BUS
- 127: 801331026 SCR, HH .250-20 X .87
- 129: 803690668 LKWR .250
- 130: 801098963 WSHR, FLT .250 (2 PLCS)
- 123: 996523080 STNDOFF, 2165-1A (2 PLCS)
- 29: 847206661 COVER, CKT BRKR
- 83: 847150059 LABEL, BATTERY VOLTAGE
- 109: 900711680 NUT, HEX .190-32 E/W LK WSHR (2 PLCS)
- 28: 847206497 DISTRIBUTION TRAY ASSY
- 14: 847050960 HOLDER, BREAKER (24 PLCS)
- 48: 407030642 ALARM BUS, 12 POS (2 PLCS) A SEE VIEW A (5H C1/ZONE C2)

TORQUE TABLE (REF E-2794)

SIZE	DECIMAL EQUIVALENT	REQ'D TORQUE (IN/LBS)
#6	.138	10
#8	.164	20
#10	.190	25
#12	.216	35
1/4	.250	65
5/16	.312	135
3/8	.375	240

LIST 2 ONLY

ADMINISTRATIVE WORKSTATION POWER BAY					
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AT&T	DJ	J85500M-1	SHEET C2	ISSUE 1	DWG SIZE C2



NOTE: REMOVE AND DISCARD .250-20 NUT.  
REPLACE WITH ITEM 124 INSULATOR.  
(2165-1B)

8: J85702B-1 L4  
RECTIFIER SHELF ASSY  
(REAR ACCESS)

124: 996564316  
INSULATOR, 2165-1B  
(4 PLCS)

149: 405668088  
PLUG, 2703  
(4 PLCS)

58: 846874501  
BUS BAR,  
RSA ADAPTER  
STRAIGHT

128: 841064751  
NUT, HEX .250-20  
129: 803690668  
LKWR .250  
133: 802841577  
WSHR, NARR .250

56: 847206638  
BUS BAR,  
RSA/BAT CHG RTN

126: 801724857  
SCR, HHC  
.250-20 X .62  
129: 803690668  
LKWR .250  
130: 801098963  
WSHR, FLT .250

55: 847206612  
BUS BAR ASSY,  
BATT CHG RTN

127: 801331026  
SCR, HHC  
.250-20 X .87  
129: 803690668  
LKWR .250  
130: 801098963  
WSHR, FLT .250

54: 847206646  
BUS BAR ASSY,  
DISCHARGE RTN

126: 801724857  
SCR, HHC  
.250-20 X .62  
129: 803690668  
LKWR .250  
130: 801098963  
WSHR, FLT .250

17: 402830871  
SHUNT, 300 AMP  
DC AMMETER

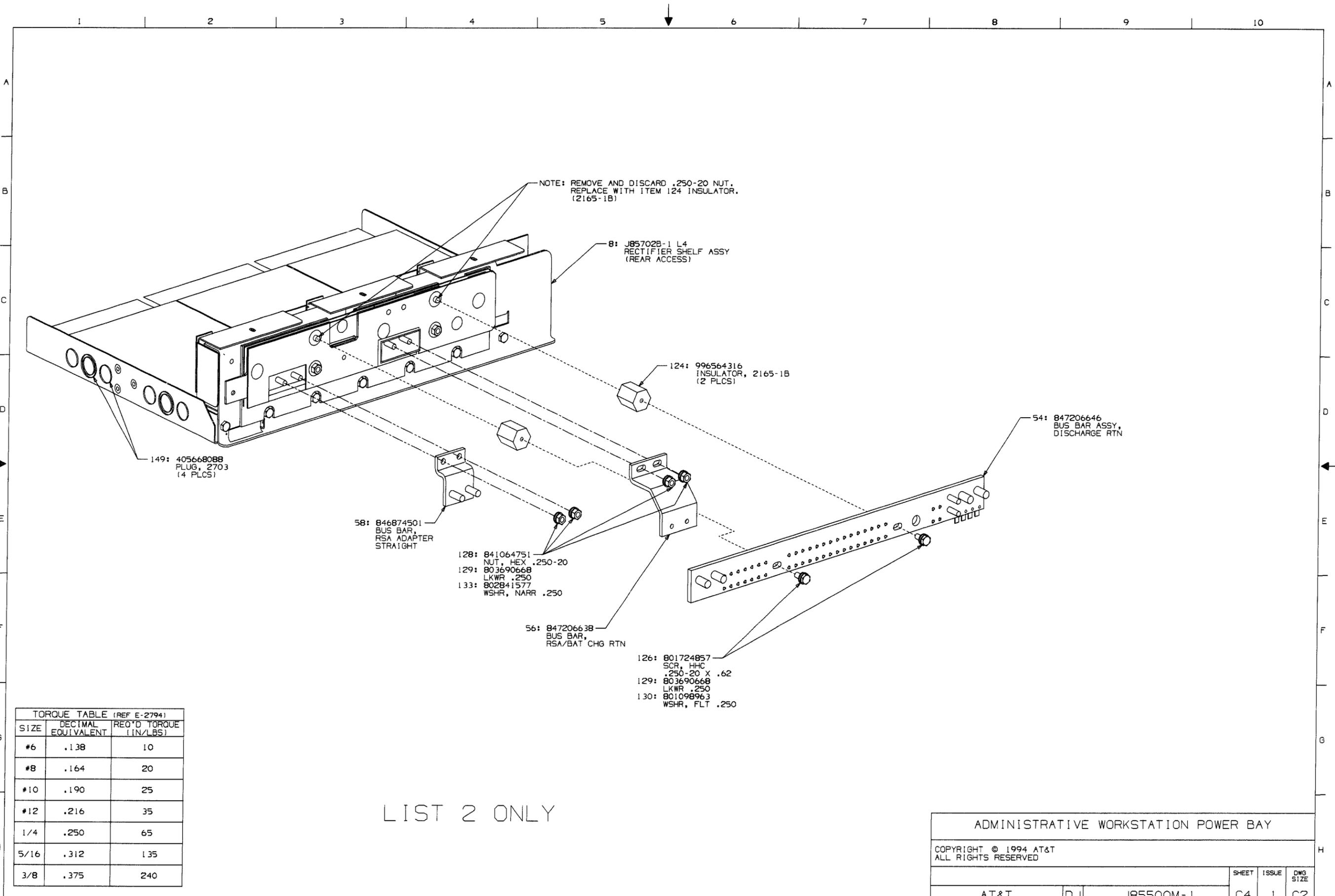
135: 801601287  
SCR, HHC  
.312-18 X 1.25  
137: 802986273  
LKWR .312  
138: 814251880  
WSHR, FLT .312

18: 846433852  
SPACER, SHUNT

TORQUE TABLE (REF E-2794)		
SIZE	DECIMAL EQUIVALENT	REQ'D TORQUE (IN/LBS)
#6	.138	10
#8	.164	20
#10	.190	25
#12	.216	35
1/4	.250	65
5/16	.312	135
3/8	.375	240

LIST 1 ONLY

ADMINISTRATIVE WORKSTATION POWER BAY			
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AT&T	DJ	J85500M-1	SHEET C3
			ISSUE 1
			DWG SIZE C2
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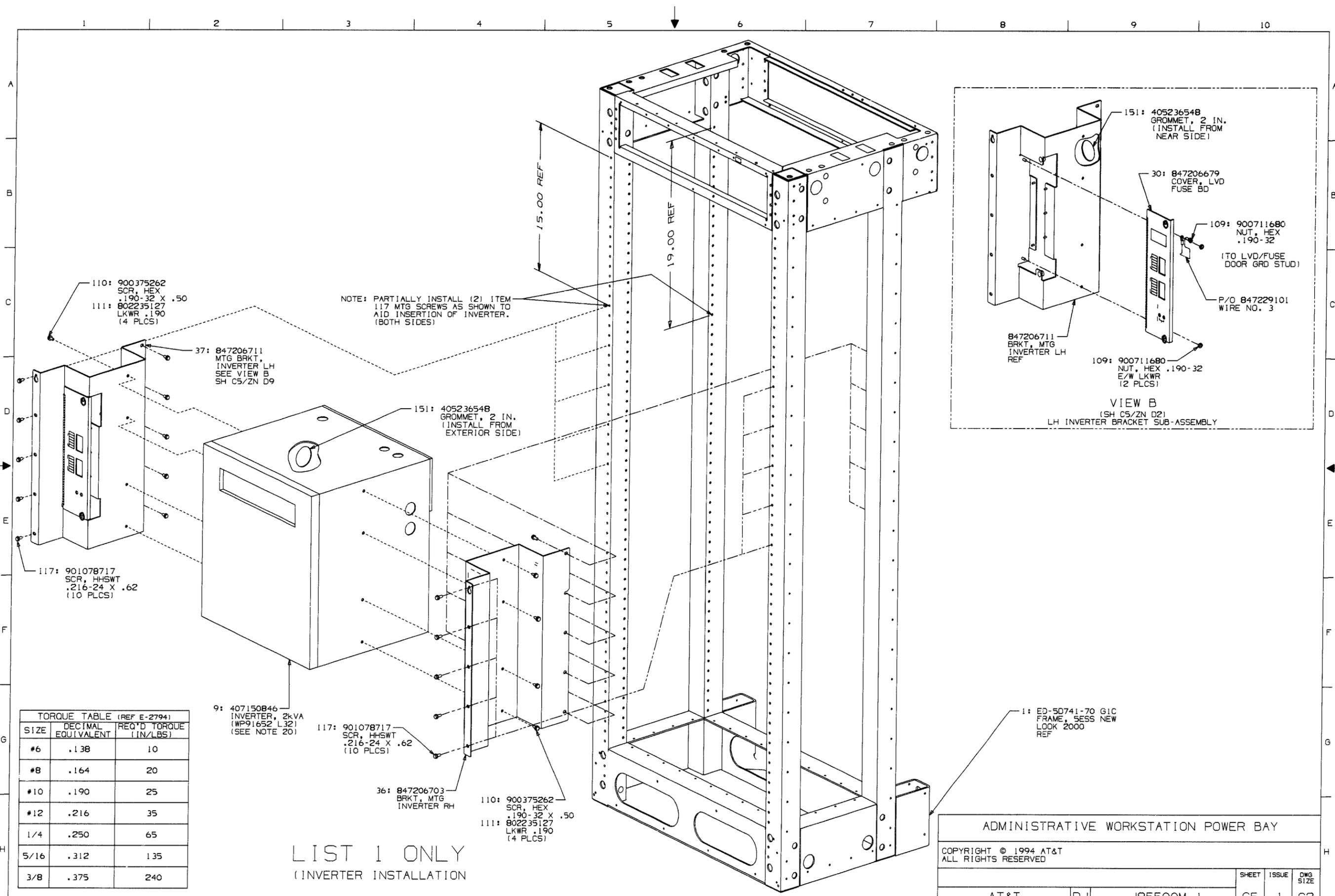


TORQUE TABLE (REF E-2794)

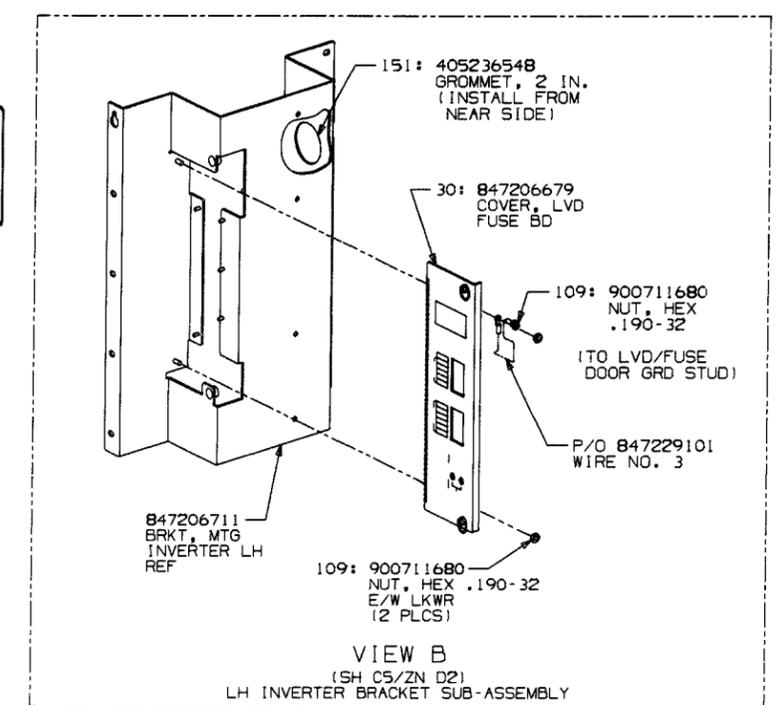
SIZE	DECIMAL EQUIVALENT	REQ'D TORQUE (IN/LBS)
#6	.138	10
#8	.164	20
#10	.190	25
#12	.216	35
1/4	.250	65
5/16	.312	135
3/8	.375	240

LIST 2 ONLY

ADMINISTRATIVE WORKSTATION POWER BAY			
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AT&T	DJ	J85500M-1	SHEET C4
			ISSUE 1
			DWG SIZE C2



NOTE: PARTIALLY INSTALL (2) ITEM 117 MTG SCREWS AS SHOWN TO AID INSERTION OF INVERTER. (BOTH SIDES)



VIEW B  
(SH C5/ZN D2)  
LH INVERTER BRACKET SUB-ASSEMBLY

TORQUE TABLE (REF E-2794)

SIZE	DECIMAL EQUIVALENT	REQ'D TORQUE (IN/LBS)
#6	.138	10
#8	.164	20
#10	.190	25
#12	.216	35
1/4	.250	65
5/16	.312	135
3/8	.375	240

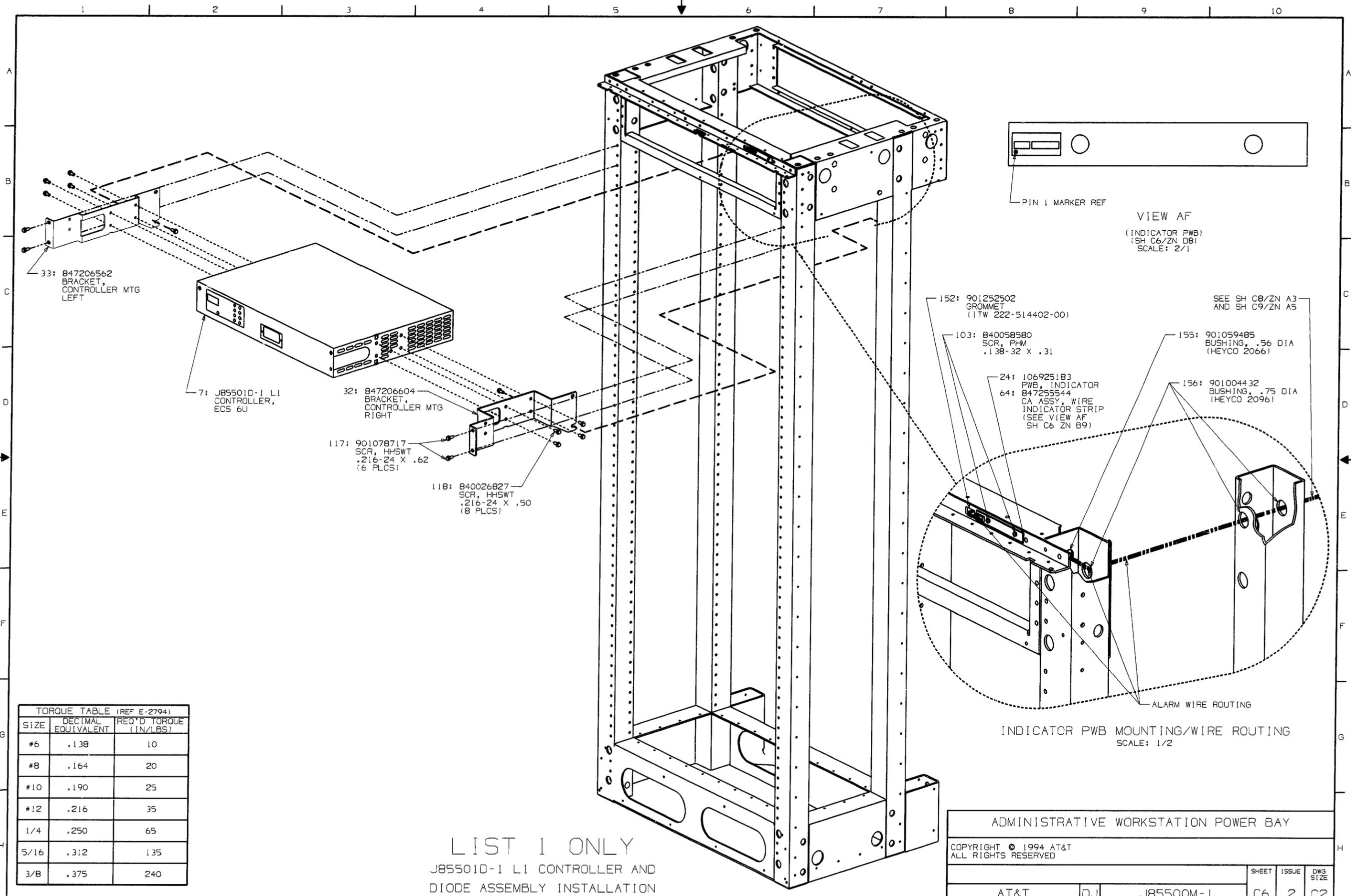
LIST 1 ONLY  
(INVERTER INSTALLATION)

ADMINISTRATIVE WORKSTATION POWER BAY

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AT&T	DJ	J85500M-1	C5	1	C2
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TORQUE TABLE (REF E-2794)

SIZE	DECIMAL EQUIVALENT	REQ'D TORQUE (IN/LBS)
#6	.138	10
#8	.164	20
#10	.190	25
#12	.216	35
1/4	.250	65
5/16	.312	135
3/8	.375	240

LIST 1 ONLY  
J85501D-1 L1 CONTROLLER AND  
DIODE ASSEMBLY INSTALLATION

ADMINISTRATIVE WORKSTATION POWER BAY

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AT&T	DJ	J85500M-1	C6	2	C2
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SHEET ISSUE DWG SIZE  
C6 2 C2

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28: 847206497  
DISTRIBUTION  
TRAY ASSY  
(SEE VIEW C  
SH C7/ZN F9)  
REF

131: 840057640  
SCR, HHW  
.250-20 X .62  
129: 803690668  
LKWR .250  
(3 PLCS)

35: 847206687  
BRKT, MTG  
LEFT  
117: 901078717  
SCR, HHSWT  
.216-24 X .62  
(16 PLCS)

J85702B-1 L4  
RECTIFIER SHELF ASSY  
REF

117: 901078717  
SCR, HHSWT  
.216-24 X .62  
(16 PLCS)

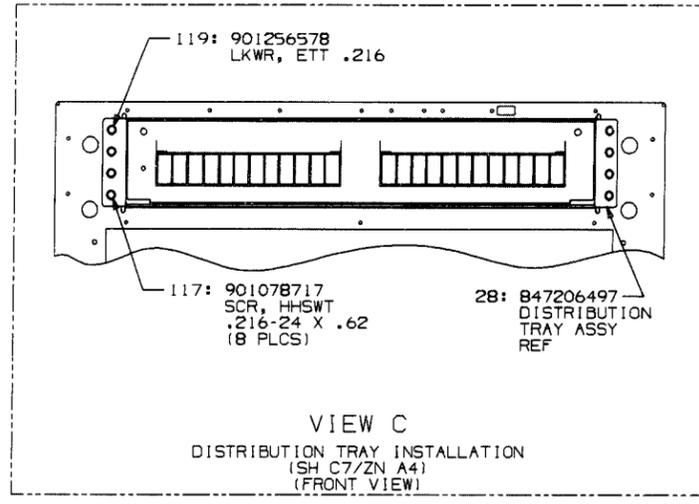
34: 847206695  
BRKT, MTG  
RSA

131: 840057640  
SCR, HHW  
.250-20 X .62  
129: 803690668  
LKWR .250  
(3 PLCS)

NOTE: PARTIALLY INSTALL (1)  
ITEM 117 MTG SCREW AS  
SHOWN TO AID INSERTION  
OF RSA/BRKT ASSEMBLY.  
(LIST 2 BOTH SIDES)

NOTE: PARTIALLY INSTALL (1)  
ITEM 117 MTG SCREW AS  
SHOWN TO AID INSERTION  
OF RSA/BRKT ASSEMBLY.  
(LIST 1 BOTH SIDES)

1: ED-50741-70 G1C  
FRAME, SESS NEW  
LOOK 2000



VIEW C  
DISTRIBUTION TRAY INSTALLATION  
(SH C7/ZN A4)  
(FRONT VIEW)

TORQUE TABLE (REF E-2794)		
SIZE	DECIMAL EQUIVALENT	REQ'D TORQUE (IN/LBS)
#6	.138	10
#8	.164	20
#10	.190	25
#12	.216	35
1/4	.250	65
5/16	.312	135
3/8	.375	240

LIST 1 OR 2

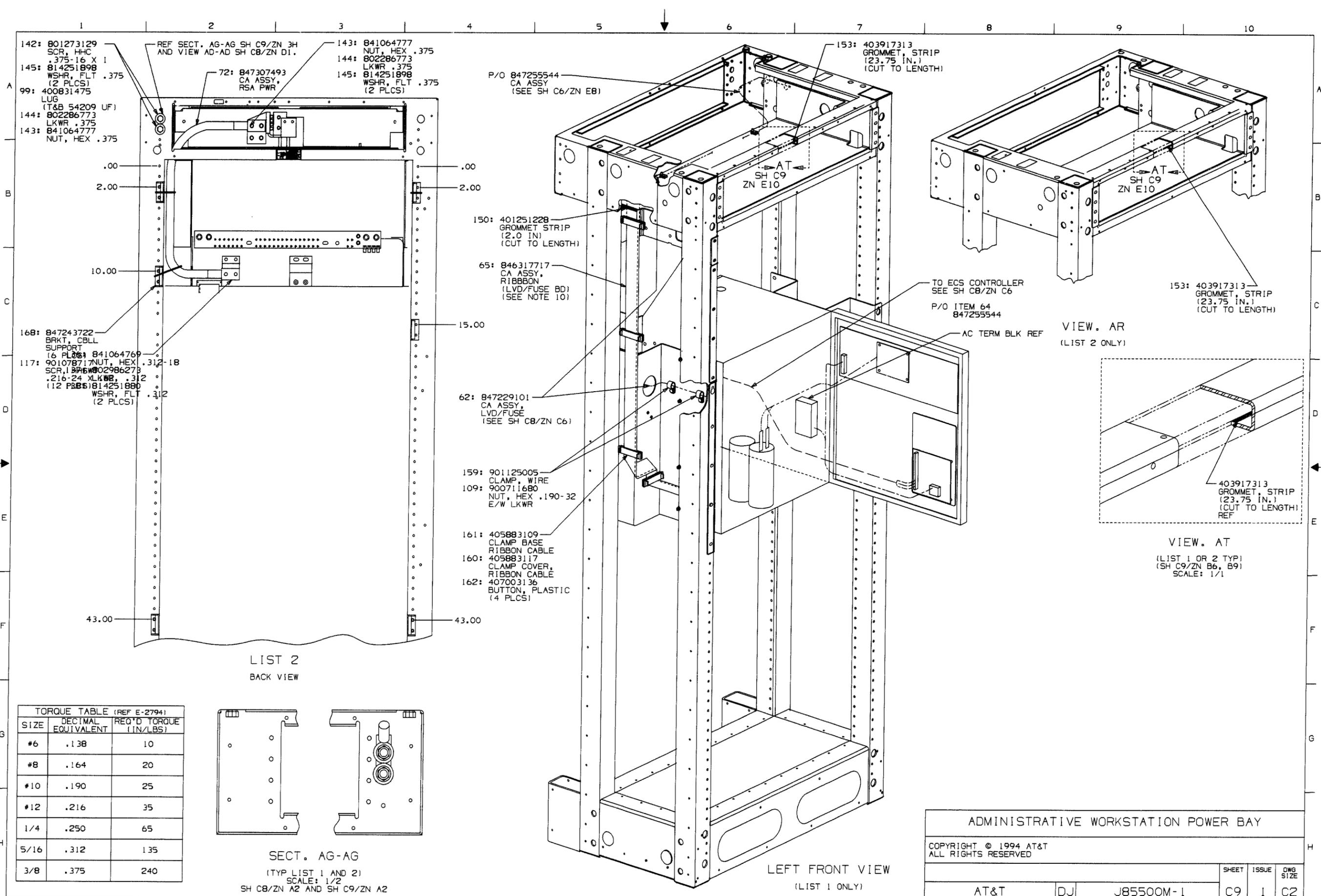
ADMINISTRATIVE WORKSTATION POWER BAY

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AT&T	DJ	J85500M-1	C7	1	C2
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- 142: 801273129 SCR, HHC .375-16 X 1
- 145: 814251898 WSHR, FLT .375 (2 PLCS)
- 99: 400831475 LUG (T&B 54209 UF)
- 144: 802286773 LKWR .375
- 143: 841064777 NUT, HEX .375

REF SECT. AG-AG SH C9/ZN 3H AND VIEW AD-AD SH C8/ZN D1.

- 72: 847307493 CA ASSY, RSA PWR
- 143: 841064777 NUT, HEX .375
- 144: 802286773 LKWR .375
- 145: 814251898 WSHR, FLT .375 (2 PLCS)

P/O 847255544 CA ASSY (SEE SH C6/ZN E8)

153: 403917313 GROMMET, STRIP (23.75 IN.) (CUT TO LENGTH)

150: 401251228 GROMMET STRIP (2.0 IN.) (CUT TO LENGTH)

65: 846317717 CA ASSY, RIBBON (LVD/FUSE BD) (SEE NOTE 10)

TO ECS CONTROLLER SEE SH C8/ZN C6  
P/O ITEM 64 847255544

153: 403917313 GROMMET, STRIP (23.75 IN.) (CUT TO LENGTH)

- 168: 847243722 BRKT, CBLL SUPPORT (6 PLCS)
- 117: 901078717 NUT, HEX .312-18
- 116: 802986273 SCR, 1/8" DIA X .216-24 XLKWR, .312
- 115: 814251880 WSHR, FLT .312 (2 PLCS)

62: 847229101 CA ASSY, LVD/FUSE (SEE SH C8/ZN C6)

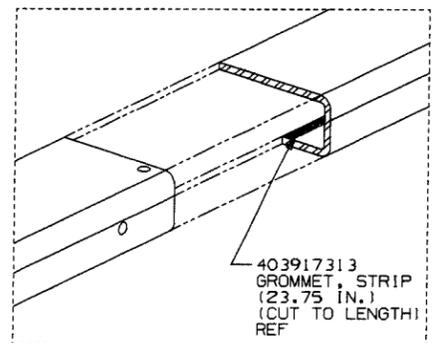
159: 901125005 CLAMP, WIRE  
109: 900711680 NUT, HEX .190-32 E/W LKWR

161: 405883109 CLAMP BASE RIBBON CABLE

160: 405883117 CLAMP COVER, RIBBON CABLE

162: 407003136 BUTTON, PLASTIC (4 PLCS)

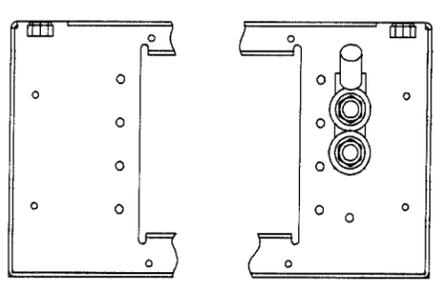
VIEW, AR (LIST 2 ONLY)



VIEW, AT (LIST 1 OR 2 TYP) (SH C9/ZN B6, B9) SCALE: 1/1

LIST 2 BACK VIEW

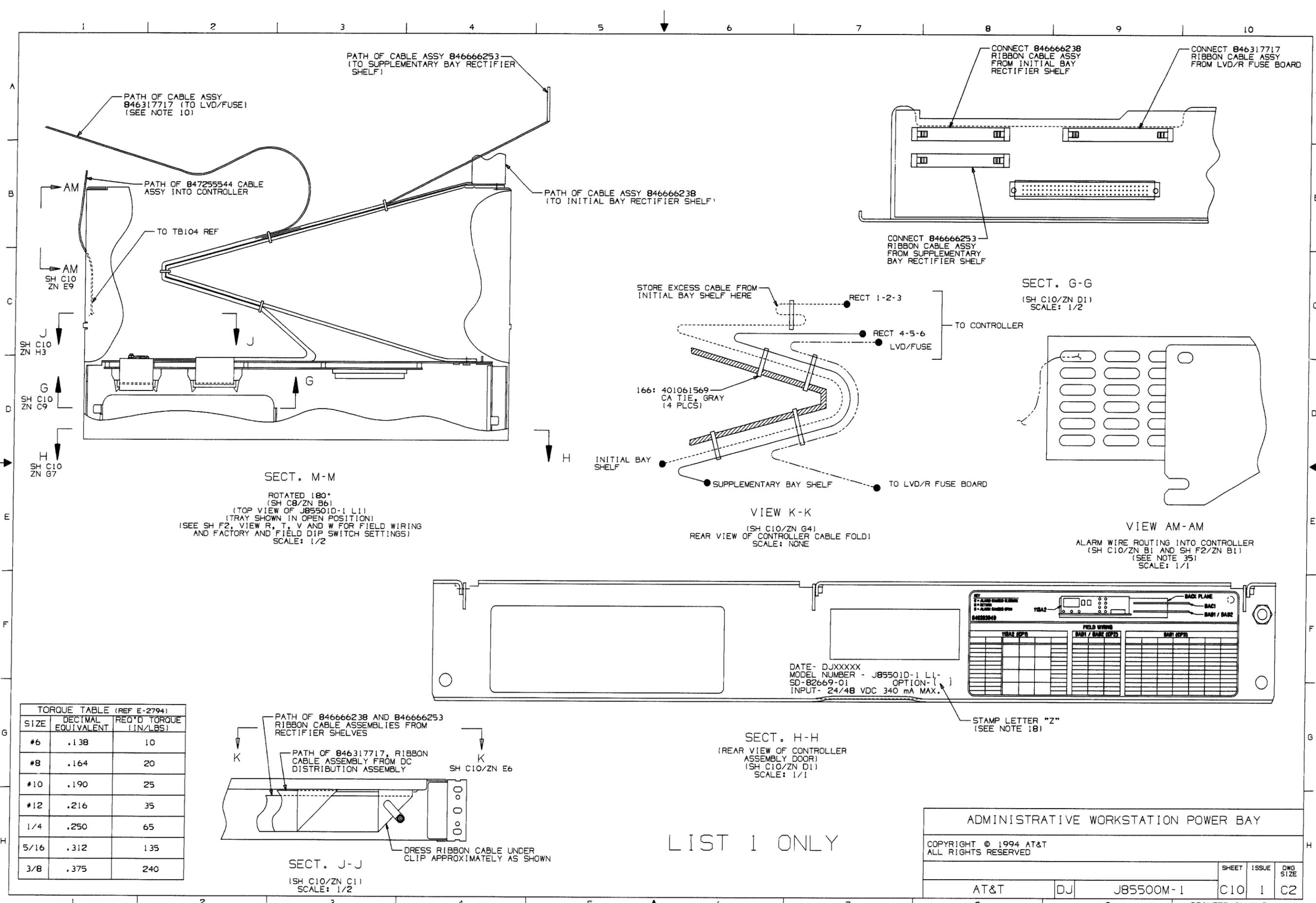
TORQUE TABLE (REF E-2794)		
SIZE	DECIMAL EQUIVALENT	REQ'D TORQUE (IN/LBS)
#6	.138	10
#8	.164	20
#10	.190	25
#12	.216	35
1/4	.250	65
5/16	.312	135
3/8	.375	240



SECT. AG-AG (TYP LIST 1 AND 2) SCALE: 1/2 SH C8/ZN A2 AND SH C9/ZN A2

LEFT FRONT VIEW (LIST 1 ONLY)

ADMINISTRATIVE WORKSTATION POWER BAY			
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AT&T	DJ	J85500M-1	SHEET C9
			ISSUE 1
			OWG SIZE C2



TORQUE TABLE (REF E-2794)

SIZE	DECIMAL EQUIVALENT	REQ'D TORQUE (IN/LBS)
#6	.138	10
#8	.164	20
#10	.190	25
#12	.216	35
1/4	.250	65
5/16	.312	135
3/8	.375	240

LIST 1 ONLY

ADMINISTRATIVE WORKSTATION POWER BAY

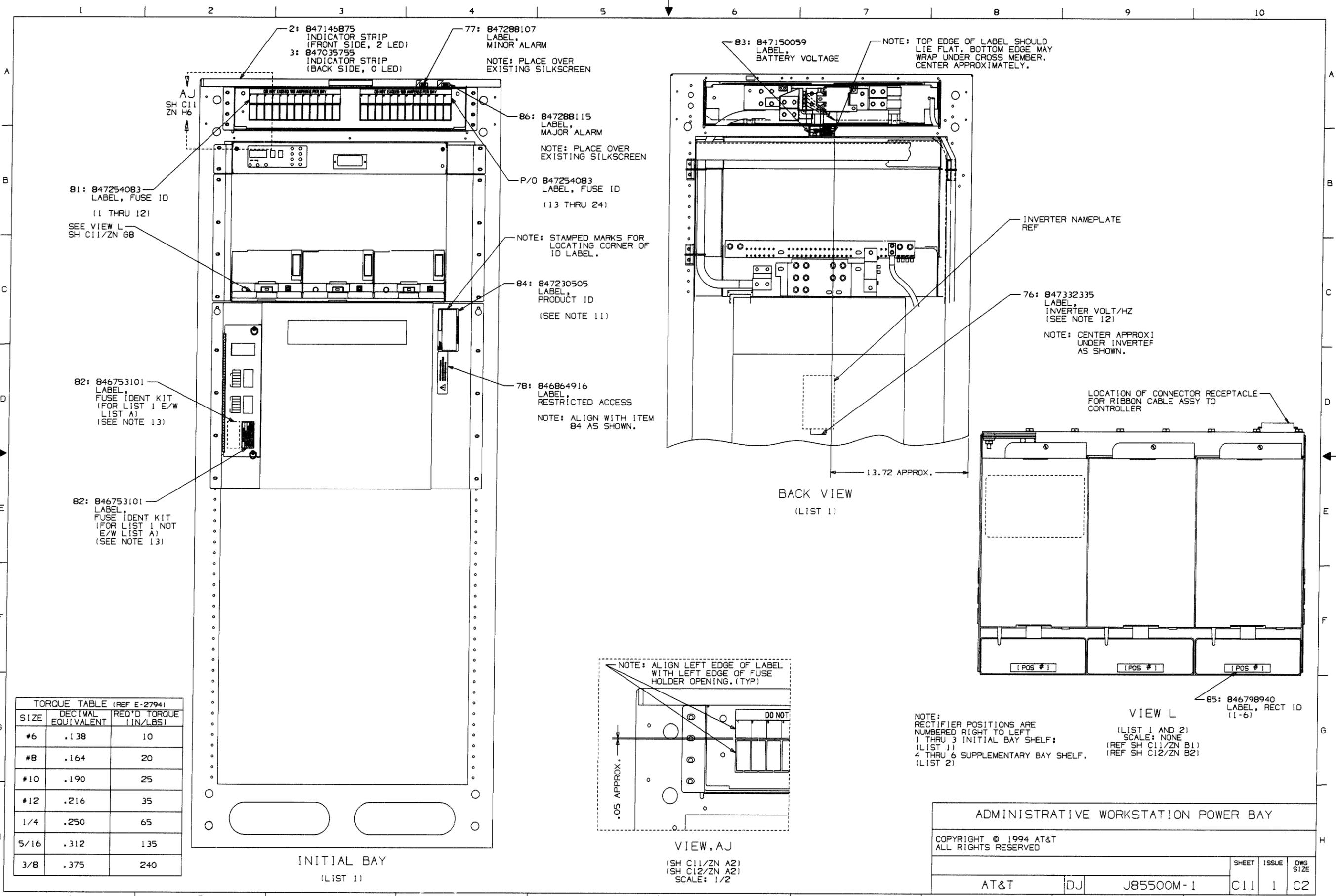
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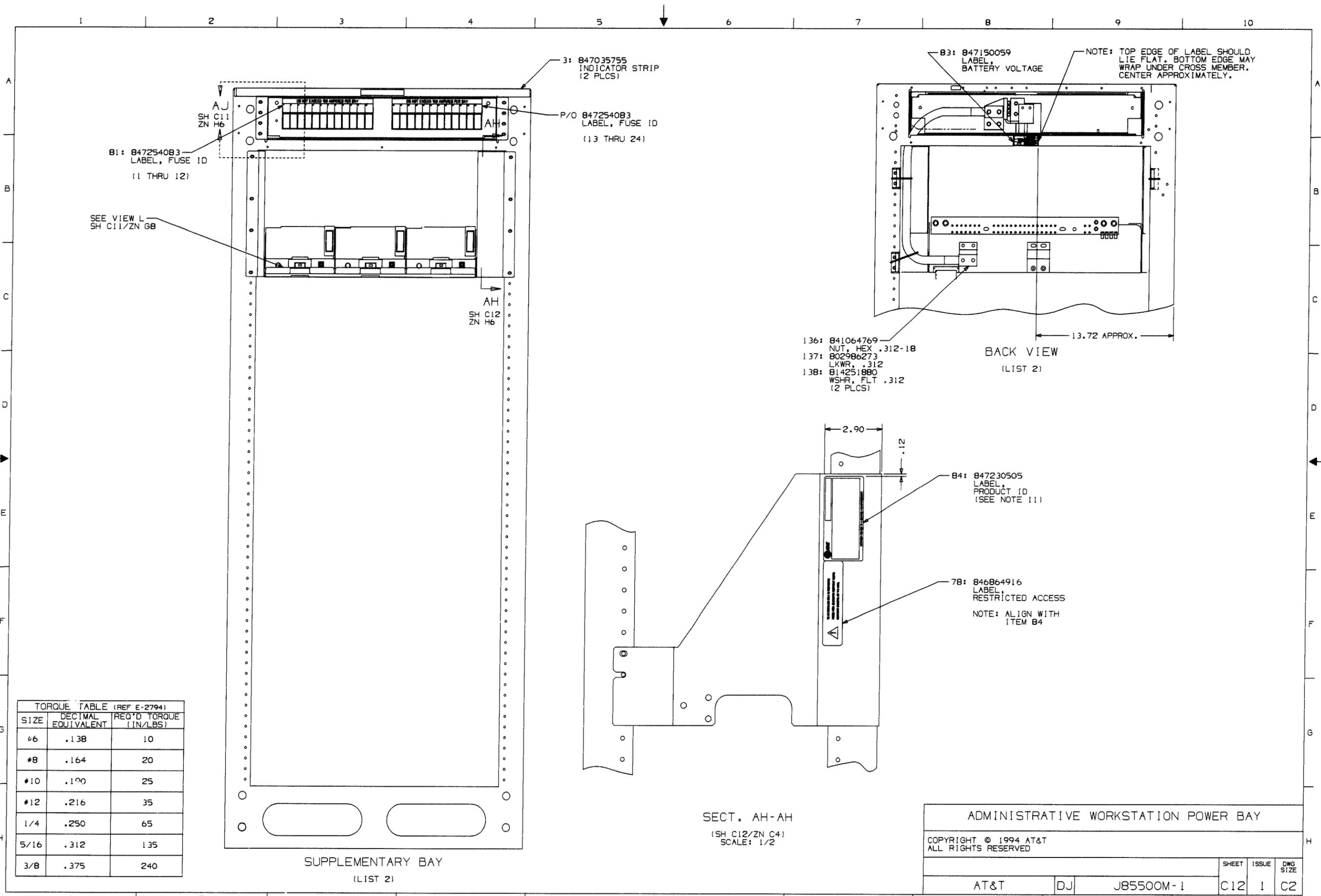
AT&T	DJ	J85500M-1	C10	1	C2
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SHCIT 10 ZN C11

DATE: DJXXXXX  
MODEL NUMBER - J85501D-1 L1-  
SD-82669-01 OPTION- ( )  
INPUT- 24/48 VDC 340 mA MAX.

STAMP LETTER "Z" (SEE NOTE 18)





STOCKLIST							
ITEM	A LIST	B QTY PER LIST	C COMCODE	D IDENTIFICATION NO. DRAWING	E DESCRIPTION	F REFERENCE	G H NOTE SYM NO
1	1,2	1	601436298	ED-50741-70 G1C	5ESS NEW LOOK 2000 FRAME		
2	1	1	847146875		INDICATOR STRIP, 2 LEDS		
3	1	1	847035755	ED-50745-70 G2	INDICATOR STRIP, 0 LEDS		
2		2	847035755	ED-50745-70 G2	INDICATOR STRIP, 0 LEDS		
7	1	1	J85501D1L1	601255300	CONTROLLER, ECS6U		
8	1,2	1	J85702B1L4	601357957	RECTIFIER SHELF, REAR ACCESS		
9	1	1	407150846	WP91652 L32	INVERTER, 2 KVA, E/W RELAY BD, AUTO POWER RESTART FEATURE, STATIC TRANSFER SWITCH AND MANUAL		
14	1,2	24	847050960	USD 15193	DIST. MODULE, SHORT, PLASTIC		
15	1	1	406982777	LWLC1-1RLS4-27599-1	CIRCUIT BREAKER, 100A SNAP-IN		
16	A	1	407121342	JDA-4102-D	CONTACTOR, PRESTOLITE 300A, 54V COIL, SLOTTED BUS		
17	1	1	402830871	A-300-50	SHUNT, 300A DC AMMETER		
18	1	1	846433852		SPACER, SHUNT		
19	DLT	-	847339866		DIODE/HEATSINK ASSY		
20	DLT	-	902460493		NUT, 1/4-20 HEX SPL		46
21	DLT	-	909559424		SPRING WASHER, UN250-0110		46
23	1	1	106509102		PWB, LVD/FUSE (CP BAD1)		
24	1	1	106925183		PWB, INDIC STRIP CW-406B		
28	1,2	1	847206497		DISTRIBUTION TRAY ASSY		
29	1,2	1	847206661		BREAKER COVER		
30	1	1	847206679		COVER, METAL, LVD FUSE BOARD		
32	1	1	847206604		BRACKET, CONTROLLER RIGHT		
33	1	1	847206562		BRACKET, CONTROLLER LEFT		
34	1,2	1	847206695		BRACKET, RECTIFIER RIGHT		
35	1,2	1	847206687		BRACKET, RECTIFIER LEFT		
36	1	1	847206703		BRACKET, INVERTER RIGHT		
37	1	1	847206711		BRACKET, INVERTER LEFT		
39	1	2	847206505		BRACKET, L-SHAPED BAT BUS SPT		
45	1	1	847206513		BUS, BATTERY CHARGE		
46	1,2	1	847206539		BUS, RECTIFIER		
47	1,2	1	847206547		BUS, LOAD, 24 POSITION		
48	1,2	2	407030642	USD B105730-12	BUS, ALARM, 12 POS.	BRASS	
49	1	1	847239902		BUS, 100A BREAKER ADAPTOR		
50	1	1	846182731		BUS, STRAP		
54	1,2	1	847206646		BUS, DISCHARGE RETURN		
55	1	1	847206612		BUS, BATTERY CHARGE RETURN		
56	1,2	1	847206638		BUS, RECTIFIER TO BAT CHG RTN		
58	1,2	1	846974501		BUS, RECT ADAPTOR, STRAIGHT		
62	1	1	847229101		CA ASSY, WIRE, LVD/FUSE BOARD	BRASS	
63	1	1	846666253		CA ASSY, RIBBON, SUPP BAY SHELF		
64	1	1	847255544		CA ASSY, WIRE, INDIC STRIP		
65	1	1	846317717		CA ASSY, RIBBON, LVD/FUSE BD		
66	1	1	846666238		CA ASSY, RIBBON, INIT BAY SHELF		
67	1	1	847248374		CA ASSY, POWER, RECTIFIER		
68	1	1	847248366		CA ASSY KIT, POWER, INVERTER		
72	2	1	847307493		CA ASSY, POWER, RECTIFIER		
73	2	1	847254018		CA ASSY, WIRE, INTER-ALM STRIP	BRASS	
74	2	1	847254026		CA ASSY, INTERCON KIT (INTER RECT POWER, INTER CHG RTN POWER, INTER DIS RTN POWER)		
76	1	1	847332335		LABEL, INVERTER VOLT/HZ ID		
77	1	1	847298107		LABEL, MINOR ALARM		
78	1,2	1	846864916		LABEL, RESTRICTED ACCESS (STD)		
79	1,2	2	847254067		LABEL, HAZARDOUS ENERGY/VOLT		
80	1,2	1	847254075		LABEL, INSTALLATION INFO		
81	1,2	1	847254083		LABEL, FUSE IDENT KIT (2/SHEET)		
82	1, A	1	846753101		LABEL, LVD/FUSE (STD)		
83	1,2	2	847150059		LABEL, BATTERY VOLTAGE (STD)		
84	1,2	1	847230505		LABEL, PRINTABLE FOR ID (STD)		
85	1,2	1	846798940		LABEL, RECT ID, 1-6 (STD)		
86	1	1	847288115		LABEL, MAJOR ALARM		
87	1,2	1	107152829	SELCODE: 167-790-058	PRODUCT MANUAL, J85500M-1		
88	1	1	106744956	SELCODE: 167-790-031	PRODUCT MANUAL, ECS CONTROLLER		
89	1,2	1	106777097	SELCODE: 169-790-117	PRODUCT MANUAL, SM RECTIFIER		
90	1	1	846804819		BINDER, LINEAGE 2000 BAT PLANT		
91	1,2	1	847254091		SERVICE KIT (DRAWING PACKAGE)		

STOCKLIST							
ITEM	A LIST	B QTY PER LIST	C COMCODE	D IDENTIFICATION NO. DRAWING	E DESCRIPTION	F REFERENCE	G H NOTE SYM NO
99	1,2	1	400831475	T6B 54209UF	LUG, 1/0 WELDING WIRE 45 DEG		
103	1	7	840058580		SCREW, PHM 6-32 X5/16 (LVD BD, IND BD)		
104	1	5	900395989	AMATOM B159N0632	STDOFF, 6-32 X 3/4" (LVD BD)		
107	1,2	2	901015461		NUT, HEX W/LKWR, 8-32 (CA GUIDES)		
109	2	3	900711680		NUT W/LKWR, 10-32 (3 ON BREAKER COVER, 3 ON LVD/FUSE BD COVER, 2 ON LVD CABLING)		
1		8	900711680		NUT W/LKWR, 10-32 (3 ON BREAKER COVER, 3 ON LVD/FUSE BD COVER, 2 ON LVD CABLING)		
110	1	8	900375262		SCREW, 10-32 X 1/2 (8 ON INV BKT)		
111	1	8	802235127		LKWASHER, #10 (8 ON BKTS)		
117	1	61	901078717		SCREW, # 12 FRAME MTG (20 ON INV BKT, 12 ON RECT BKT, 6 ON CTRL BKT, 8 ON TRAY BKT, 3 ON HSINK BKT, 3 ON CABLING, 12 ON CABLE BKTS)		
2		32	901078717		SCREW, # 12 FRAME MTG (20 ON INV BKT, 12 ON RECT BKT, 6 ON CTRL BKT, 8 ON TRAY BKT, 3 ON HSINK BKT, 3 ON CABLING, 12 ON CABLE BKTS)		
118	1	8	840026827		SCREW, # 12-24 X1/2 (CONT)		
119	1,2	1	901256578		WASHER, EXT TOOTH STAR, #12		
123	2	4	996523080	INSR-2165-1A	STDOFF, GLASTIC, 1" (DIST)		
1		7	996523080	INSR-2165-1A	STDOFF, GLASTIC, 1" (DIST)		
124	2	2	996564316	INSR-2165-1B	STDOFF, GLASTIC, 1.25" (RECT)		
1		4	996564316	INSR-2165-1B	STDOFF, GLASTIC, 1.25" (RECT)		
125	1	2	841059843		SCREW, PHM 1/4-20X1/2 (INV LUG)		
126	2	6	801724857		SCREW, HHC 1/4-20X5/8 (D/REC)		
1		11	801724857		SCREW, HHC 1/4-20X5/8 (D/REC)		
127	2	2	801331026		SCREW, HHC 1/4-20X7/8 (DIST)		
1		4	801331026		SCREW, HHC 1/4-20X7/8 (DIST)		
128	2	4	841064751		NUT, 1/4-20 (DIST/RECT)		
1		8	841064751		NUT, 1/4-20 (DIST/RECT)		
129	2	18	803690668		LKWASHER, SPRG, 1/4 DIA.		
1		31	803690668		LKWASHER, SPRG, 1/4 DIA.		
130	1	17	801098963		PLAIN WASHER, 1/4 DIA.		
2		8	801098963		PLAIN WASHER, 1/4 DIA.		
131	1,2	6	840057640		SCREW, HHW, 1/4-20X5/8 (RECT BKT)		
133	2	4	802841577		PLAIN WASHER, NARROW, 1/4 DIA. (4-RECT SHELF, 4-INV LUG, 1 DIODE CA ASSY)		
1		8	802841577		PLAIN WASHER, NARROW, 1/4 DIA. (4-RECT SHELF, 4-INV LUG, 1 DIODE CA ASSY)		
135	1	2	801601287		SCREW, HHC 5/16-18X1.25 (SHUNT)		
136	2	2	841064769		NUT, 5/16 (LVD/STRAP, RECT LUG)		
1		6	841064769		NUT, 5/16 (LVD/STRAP, RECT LUG)		
137	2	2	802986273		LKWASHER, 5/16DIA, SPRG ED 289A		
1		8	802986273		LKWASHER, 5/16DIA, SPRG ED 289A		
138	2	2	814251880		PLAIN WASHER, 5/16 DIA.		
1		8	814251880		PLAIN WASHER, 5/16 DIA.		
142	1,2	2	801273129		SCREW, HHC, .375-16 X 1 (GND LUG)		
143	1,2	4	841064777		NUT, 3/8-16 X .250 (RECT/GND LUG)		
144	1,2	4	801829607		LKWASHER, 3/8 289A		
145	1,2	6	814251898		WASHER, 3/8		
149	1,2	4	405668088	HEYCO 2703	PLUG .875 INCH		
150	1	1	401251228		GROMMET, STRIP (CONTRLLER BKT)		
151	1	2	405236548	HEYCO 2401	GROMMET, 2" DIA (INV/INV BKT)		
152	1	1	901252502	ITW 222-514402-00	GROMMET (INDICATOR BD)		
153	1,2	2	403917313		GROMMET, STRIP (COVER REGS 23")		
154	1,2	5	403917313		GROMMET, STRIP (5 FEET)		
155	1	1	901059485	HEYCO 2066	BUSHING, 9/16 DIA BLACK (IND BD)		
156	1	3	901004432	HEYCO 209F	BUSHING, 3/4 DIA BLK (IND BD, GND)		
157	1	2	401896402		CABLE CLAMP BASE, RIBBON, BLK		
158	1	2	401897350		CABLE CLAMP MTG PLT, RIBBON, BLK		
159	1	5	901125005		CABLE CLAMP, WIRE (FRAME)		
160	1	4	405883117		CABLE CLAMP, RIBBON		

STOCKLIST							
ITEM	A LIST	B QTY PER LIST	C COMCODE	D IDENTIFICATION NO. DRAWING	E DESCRIPTION	F REFERENCE	G H NOTE SYM NO
161	1	4	405883109		CABLE CLAMP, RIBBON		
162	1	4	407003136		BUTTON, CABLE CLAMP, PLASTIC		
163	1,2	2	402105357		CABLE GUIDE (TRAY)		
165	1	17	400681615		CABLE TIE, WHITE		
166	1	4	401061569		CABLE TIE, GRAY (CNTRLR RIBN)		
168	1,2	6	847243722		CABLE SUPPORT		
171	1,2	1	847222775	ED50741-70 G2B	DOOR KIT		S
180	1,2	1	901265546	PS30107 DETAILS 1, 5 AND 6	ADJUSTABLE COLLAPSABLE BOX		
181	1,2	1	901181834		ALLEN WRENCH 3/16-T10 (EKLIND)		
185	1	1	847316403		CABLING HARDWARE KIT, INIT BAY	PREP01	
186	2	1	847288123		CABLING HARDWARE KIT, SUPP BAY	PREP02	
189	PREP01	8	405347923	WP91412 L27	LUG, 4/0 FLEX		
190	PREP01	18	841064777		NUT, HEX .375-16		
191	PREP01	18	814251898		WASHER, FLAT .375		
192	PREP01	18	802286773		WASHER, LOCK .375		
193	PREP01	22	402624795	AMP 2-36161-2	LUG, 12-10 AWG INSULATED		
194	PREP01	22	405356171	WP91412 L73	LUG, 14-10		
195	PREP01	44	840059356		SCREW, PHM .164-32 X .375		
197	PREP02	2	801331026		SCREW, .250-20 X 7/8		
198	PREP02	2	801098963		WASHER, FLAT .250		
199	PREP02	2	803690668		WASHER, LOCK .250		
200	PREP02	12	841064777		NUT, HEX .375-16		
201	PREP02	12	814251898		WASHER, FLAT .375		
202	PREP02	12	802286773		WASHER, LOCK .375		
203	PREP02	24	402624795		AMP 2-36161-2 LUG, 12-10 AWG INSULATED		
204	PREP02	24	405356171		WP91412 L73 LUG, 14-10		
205	PREP02	48	840059356		SCREW, PHM .164-32 X .375		
206	PREP02	1	847239902		45-100 A BREAKER ADAPTOR		

SHEET ISSUE 2  
INDEX SH NO D1

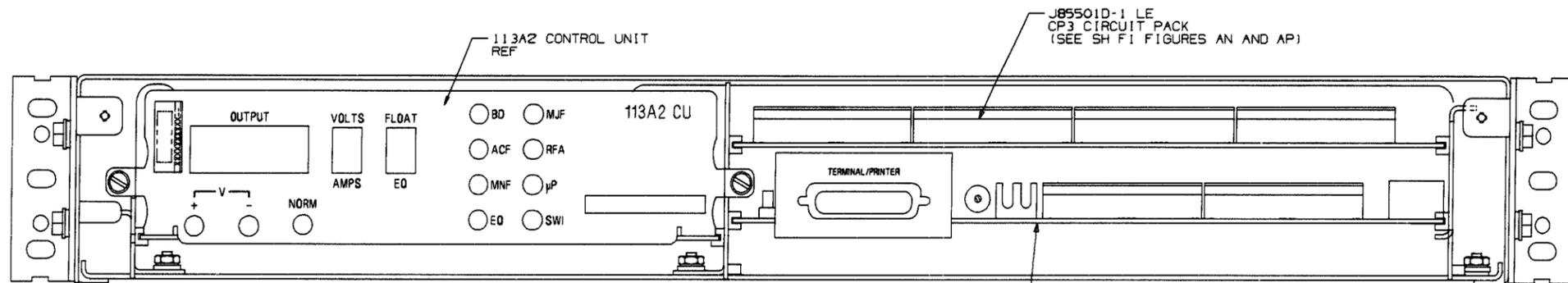
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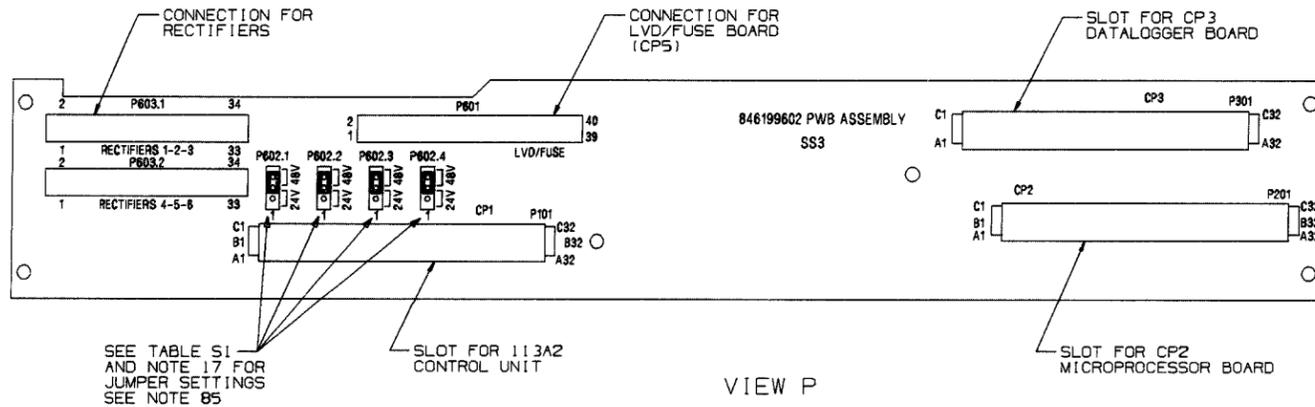
AT&T DJ J85500M-1

SHEET ISSUE DWG  
INDEX SH NO D1 2 C2

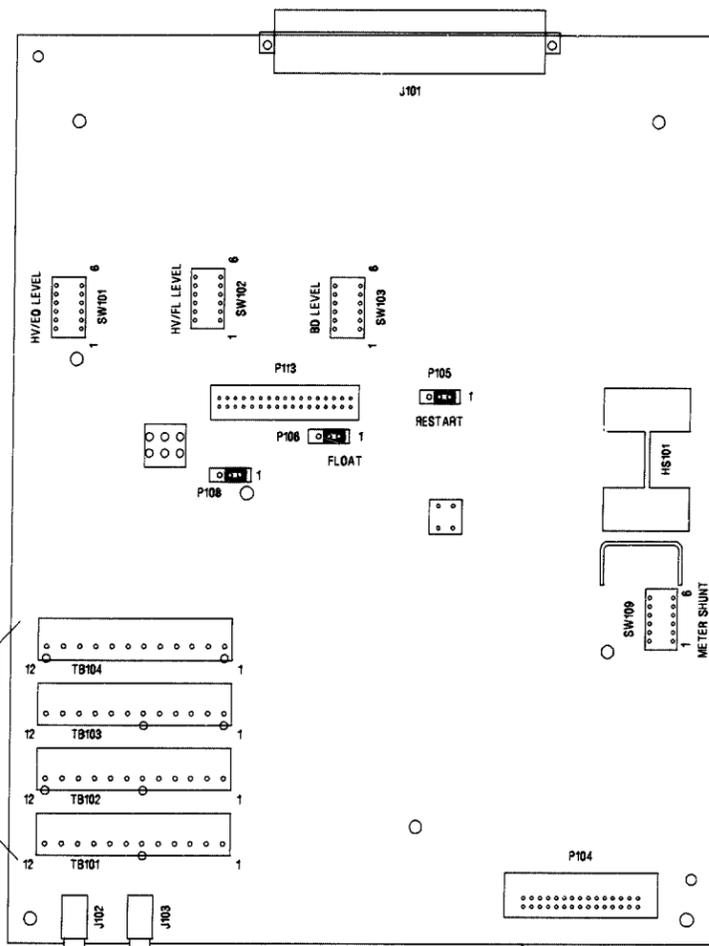
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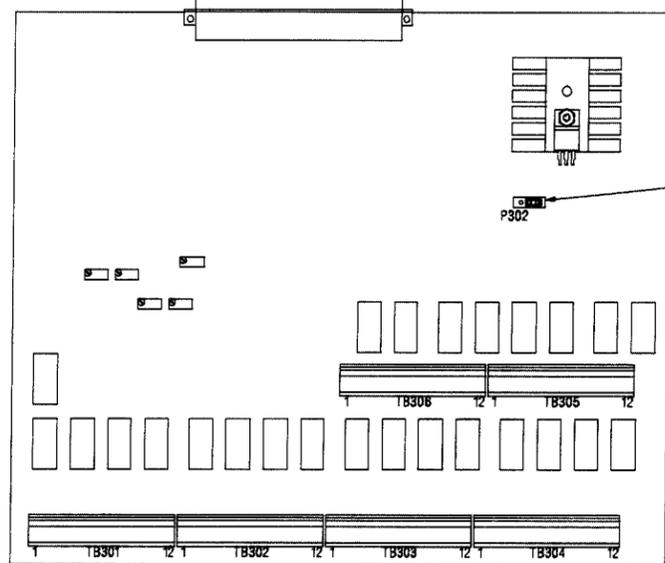
SECT. N-N  
(FRONT VIEW OF J85501D-1 CONTROLLER)  
(SH F2/ZN D6)  
SCALE: 1/1



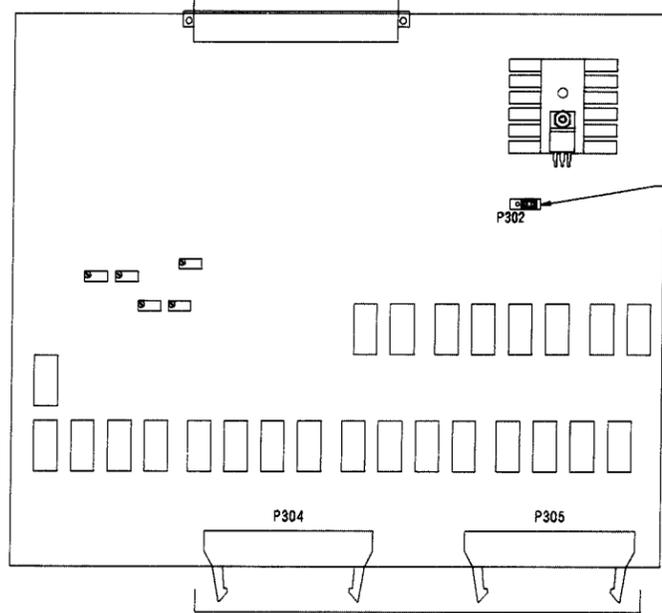
VIEW P  
(J85501D-1 CONTROLLER BACKPLANE)  
SCALE: 1/1  
(SH F2/ZN A4)



VIEW S  
(CP1)  
SCALE: 1/2



VIEW AN  
(CP3)  
SCALE: NONE



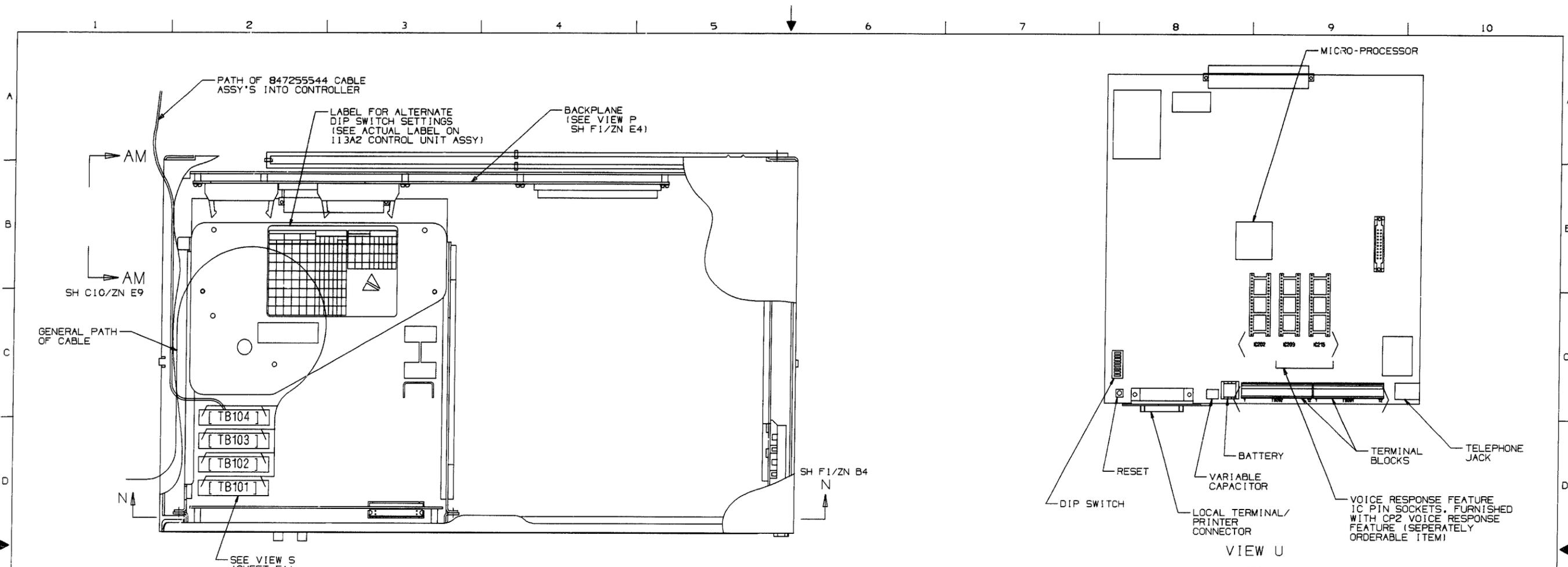
VIEW AP  
(CP3)  
SCALE: NONE

113A2 CONTROL UNIT  
FIELD WIRING CONNECTIONS  
(SEE LABEL ON INSIDE OF J85501D-1  
CONTROLLER ASSEMBLY DOOR FOR  
OFFICE ALARM CONNECTIONS)  
(SEE NOTE 35)

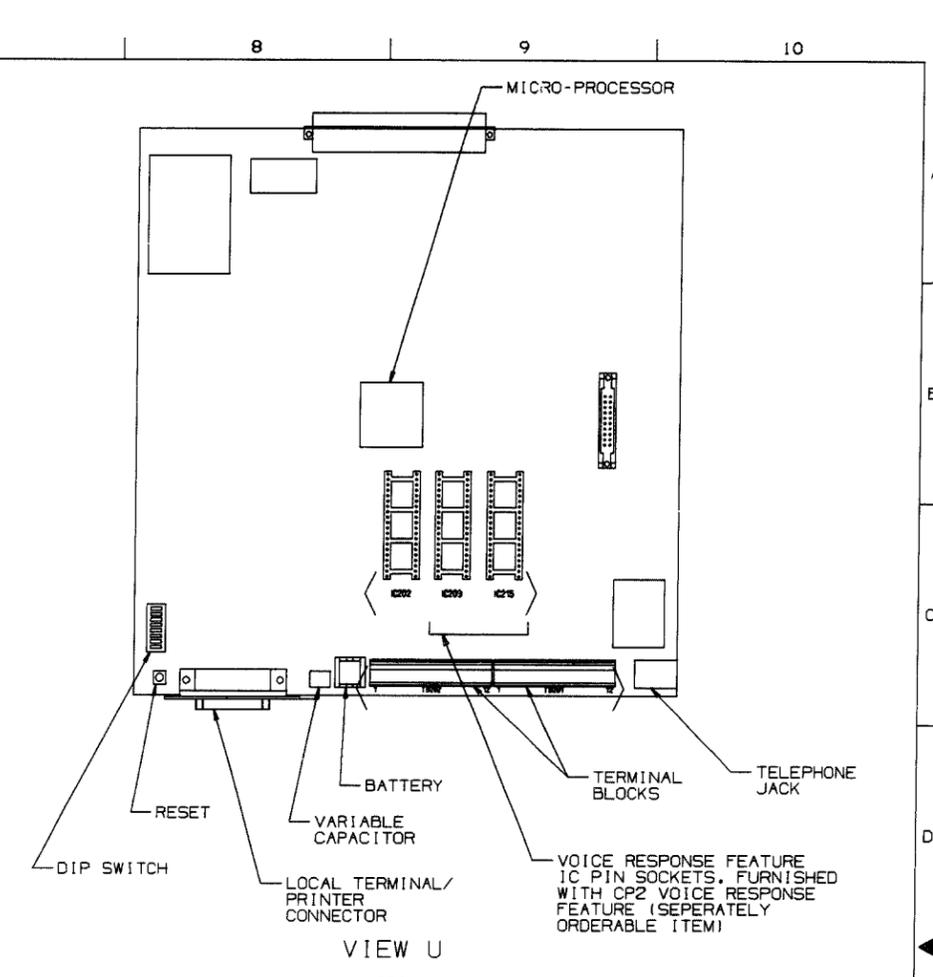
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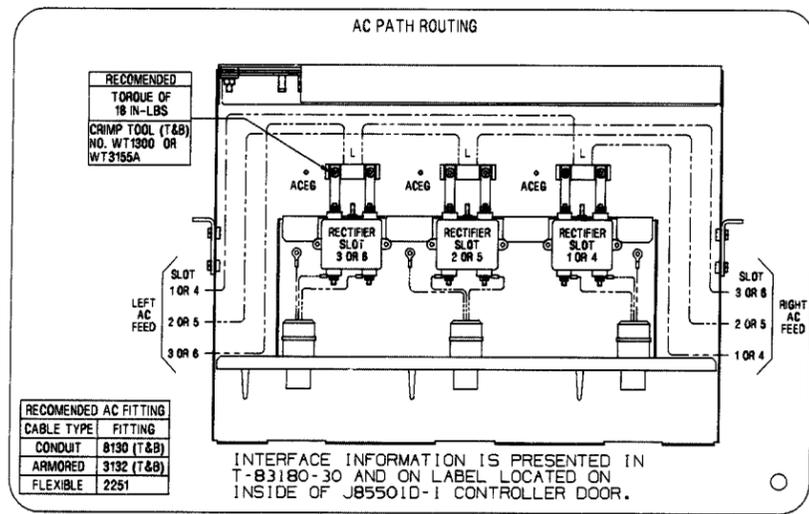
AT&T		J85500M-1		SHEET	ISSUE	DWG SIZE
				F1	1	C2



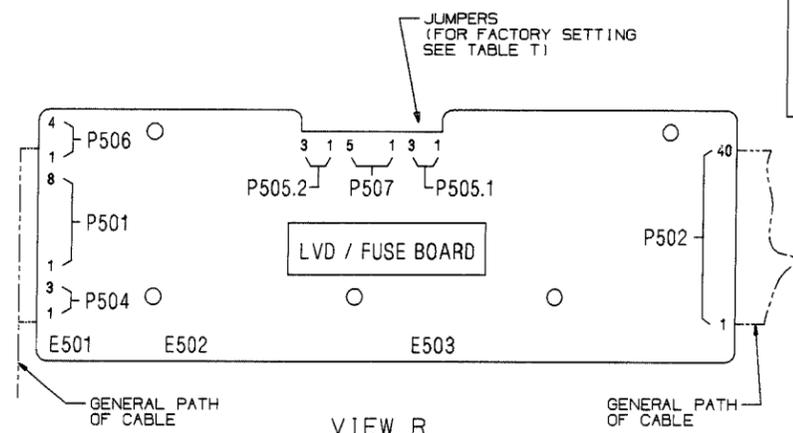
VIEW T  
 (CONTROLLER FIELD WIRING)  
 (SEE NOTE 17, 35 AND 85)



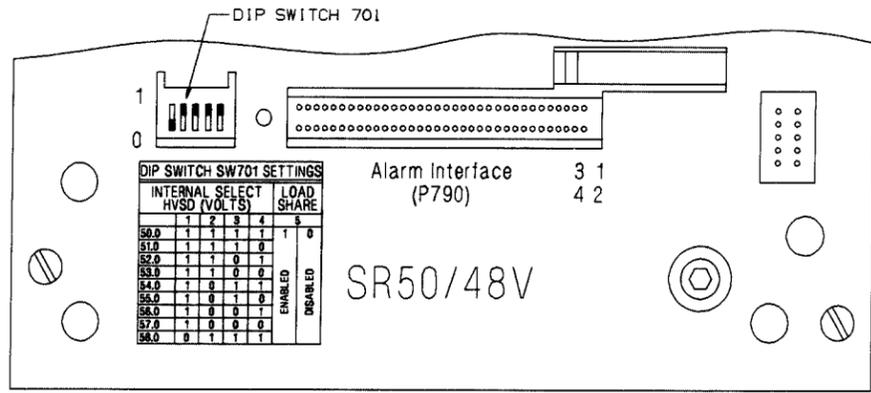
VIEW U  
 (CP2)  
 SCALE: NONE  
 (SH C1/ZN C6)



VIEW V  
 (SEE NOTE 29, 37, 78)  
 SCALE: NONE



VIEW R  
 (LVD/FUSE BOARD) (CP5)  
 (SEE NOTE 19, 63)  
 SCALE: 1/1



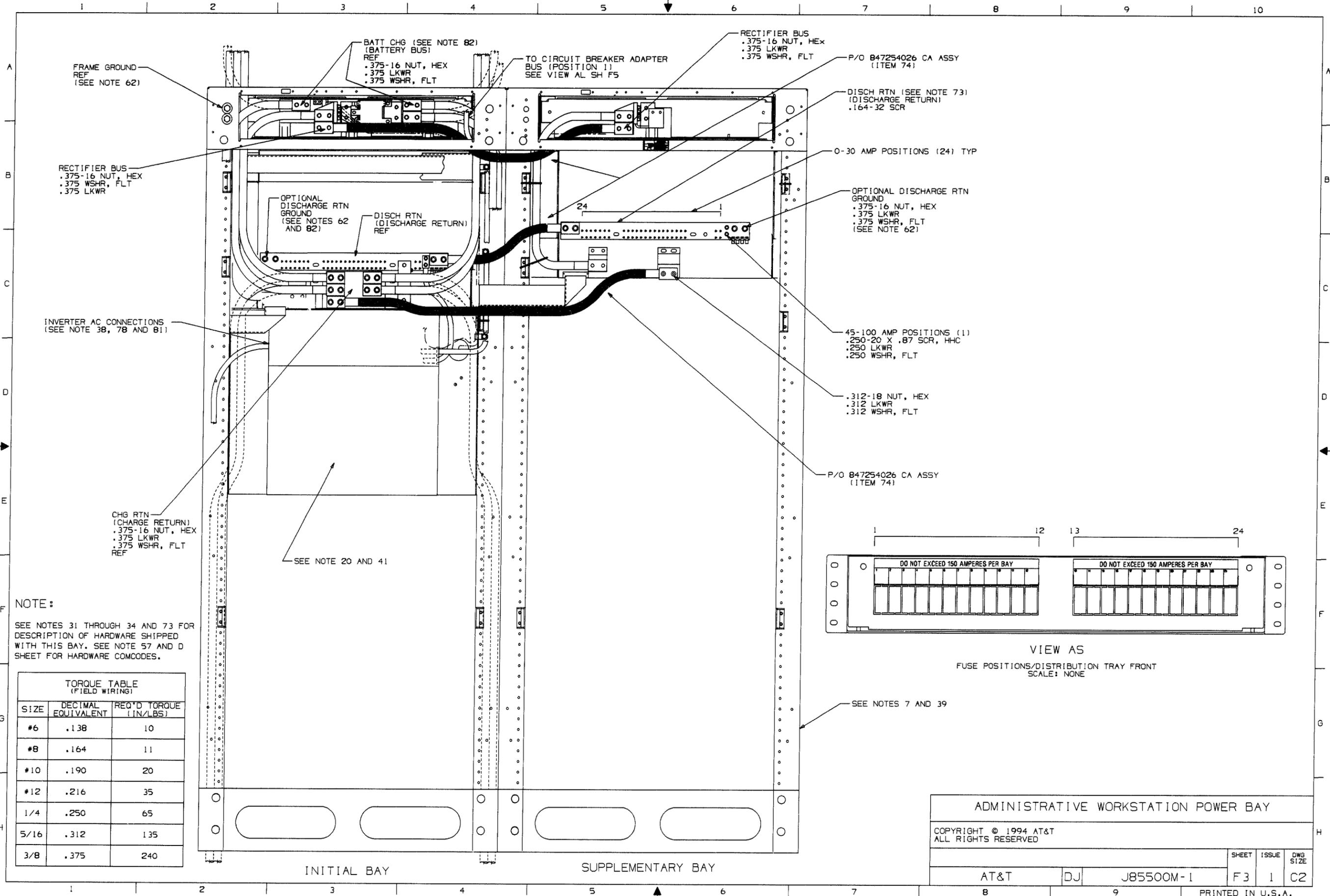
VIEW W  
 (RECTIFIER FRONT VIEW)  
 (SEE NOTE 29)  
 SCALE: NONE

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FRAME GROUND REF (SEE NOTE 62)

RECTIFIER BUS  
.375-16 NUT, HEX  
.375 WSHR, FLT  
.375 LKWR

INVERTER AC CONNECTIONS (SEE NOTE 38, 78 AND 81)

CHG RTN (CHARGE RETURN)  
.375-16 NUT, HEX  
.375 LKWR  
.375 WSHR, FLT  
REF

BATT CHG (SEE NOTE 82) (BATTERY BUS) REF  
.375-16 NUT, HEX  
.375 LKWR  
.375 WSHR, FLT

OPTIONAL DISCHARGE RTN GROUND (SEE NOTES 62 AND 82)

DISCH RTN (DISCHARGE RETURN) REF

TO CIRCUIT BREAKER ADAPTER BUS (POSITION 1) SEE VIEW AL SH F5

RECTIFIER BUS  
.375-16 NUT, HEX  
.375 LKWR  
.375 WSHR, FLT

P/O 847254026 CA ASSY (ITEM 74)

DISCH RTN (SEE NOTE 73) (DISCHARGE RETURN)  
.164-32 SCR

0-30 AMP POSITIONS (24) TYP

OPTIONAL DISCHARGE RTN GROUND  
.375-16 NUT, HEX  
.375 LKWR  
.375 WSHR, FLT  
(SEE NOTE 62)

45-100 AMP POSITIONS (1)  
.250-20 X .87 SCR, HHC  
.250 LKWR  
.250 WSHR, FLT

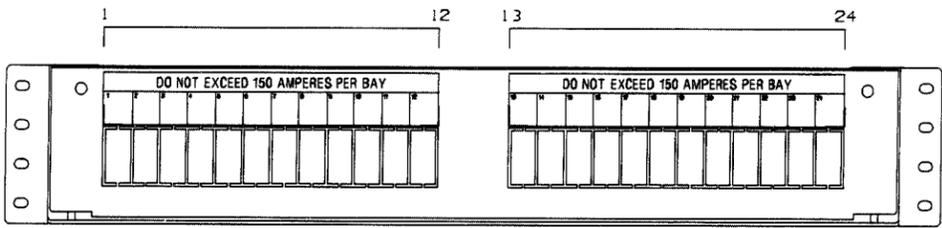
.312-18 NUT, HEX  
.312 LKWR  
.312 WSHR, FLT

P/O 847254026 CA ASSY (ITEM 74)

SEE NOTE 20 AND 41

NOTE:  
SEE NOTES 31 THROUGH 34 AND 73 FOR DESCRIPTION OF HARDWARE SHIPPED WITH THIS BAY. SEE NOTE 57 AND D SHEET FOR HARDWARE COMCODES.

TORQUE TABLE (FIELD WIRING)		
SIZE	DECIMAL EQUIVALENT	REQ'D TORQUE (IN/LBS)
#6	.138	10
#8	.164	11
#10	.190	20
#12	.216	35
1/4	.250	65
5/16	.312	135
3/8	.375	240



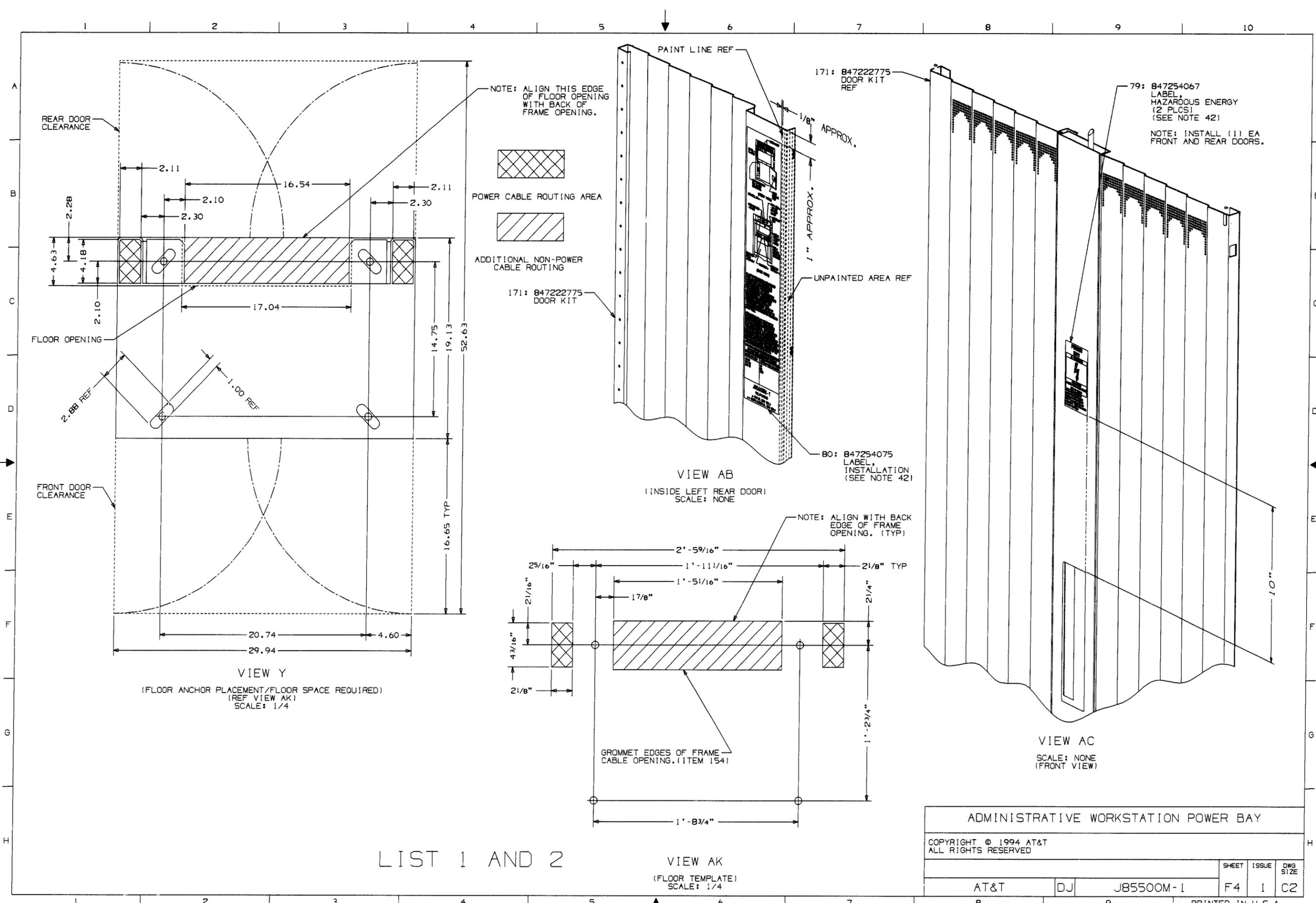
VIEW AS  
FUSE POSITIONS/DISTRIBUTION TRAY FRONT  
SCALE: NONE

SEE NOTES 7 AND 39

INITIAL BAY

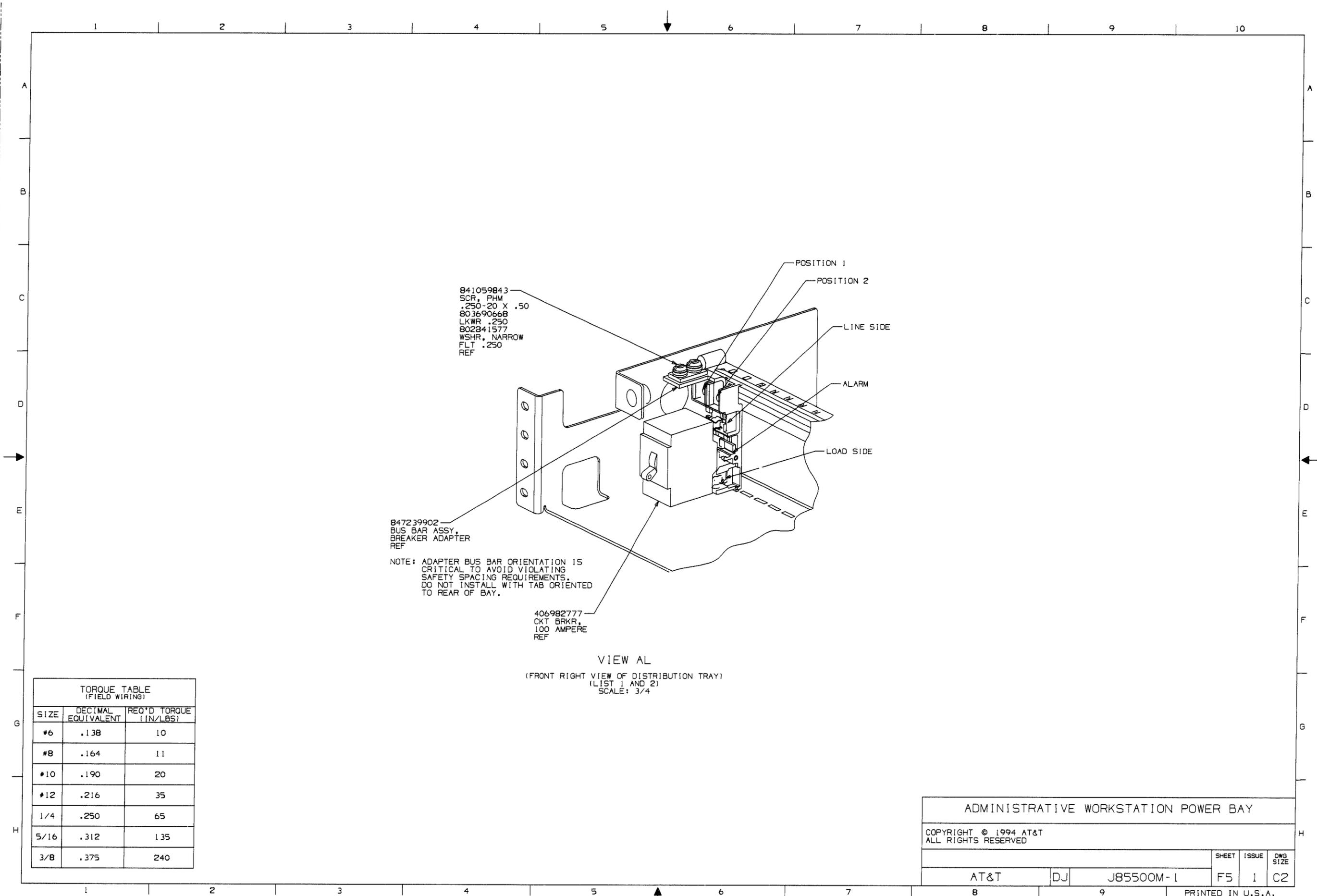
SUPPLEMENTARY BAY

ADMINISTRATIVE WORKSTATION POWER BAY			
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AT&T	DJ	J85500M-1	SHEET F3
			ISSUE 1
			DWG SIZE C2



LIST 1 AND 2

ADMINISTRATIVE WORKSTATION POWER BAY			
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AT&T	DJ	J85500M-1	SHEET F4
			ISSUE 1
			DWG SIZE C2
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841059843  
SCR, PHM  
.250-20 X .50  
803690668  
LKWR .250  
802341577  
WSHR, NARROW  
FLT .250  
REF

847239902  
BUS BAR ASSY,  
BREAKER ADAPTER  
REF

NOTE: ADAPTER BUS BAR ORIENTATION IS  
CRITICAL TO AVOID VIOLATING  
SAFETY SPACING REQUIREMENTS.  
DO NOT INSTALL WITH TAB ORIENTED  
TO REAR OF BAY.

406982777  
CKT BRKR,  
100 AMPERE  
REF

VIEW AL  
(FRONT RIGHT VIEW OF DISTRIBUTION TRAY)  
(LIST 1 AND 2)  
SCALE: 3/4

TORQUE TABLE (FIELD WIRING)		
SIZE	DECIMAL EQUIVALENT	REQ'D TORQUE (IN/LBS)
#6	.138	10
#8	.164	11
#10	.190	20
#12	.216	35
1/4	.250	65
5/16	.312	135
3/8	.375	240

ADMINISTRATIVE WORKSTATION POWER BAY					
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				SHEET	ISSUE
				F5	1
AT&T		DJ	J85500M-1	DWG SIZE	C2

FLOOR PLAN DATA

FRAMEWORK TYPE: SESS NEW LOOK 2000 POWER  
 HEIGHT: 6' 0"  
 DEPTH WITH DOORS CLOSED: 23.32"  
 DEPTH WITH DOORS OPENED: 52.63  
 WIDTH: 29.94

WEIGHTS: (SEE NOTE 1)  
 INITIAL BAY WITH 3 RECTIFIERS, DOORS, NO MDF: 556 LBS.  
 SUPPLEMENTARY BAY WITH 3 RECTIFIERS, NO MDF: 376 LBS.

HEAT DISSIPATION: (SEE NOTE 2)  
 3 RECTIFIERS, FULL LOAD + CONTROLLER: 1680 WATTS  
 INVERTER AT FULL LOAD, WORST CASE ON-LINE: 360 WATTS  
 INVERTER, WORST CASE PASS THROUGH: 70 WATTS

NOTE 1

SPECIAL PRECAUTIONS (SUCH AS INCREASING AISLE WIDTHS OR SPACE FROM ADJACENT EQUIPMENT) MUST BE TAKEN TO INSURE THAT THIS EQUIPMENT DOES NOT OVERLOAD THE FLOOR ON WHICH IT IS INSTALLED.

NOTE 2

RECTIFIER DISSIPATION IS SPECIFIED AT 54VDC, 150A OUTPUT, AND NOMINAL INPUT VOLTAGES AND FREQUENCIES. INVERTER WORST CASE ONLINE DISSIPATION IS SPECIFIED AT -42VDC INPUT AND 61A OUTPUT. INVERTER WORST CASE PASS THROUGH DISSIPATION IS SPECIFIED AT 61A OUTPUT.

ADMINISTRATIVE WORKSTATION POWER BAY

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		SHEET	ISSUE	DWG SIZE
AT&T	DJ	G1	1	C2

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