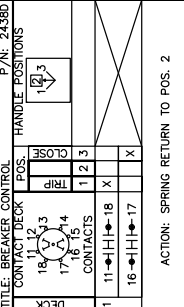
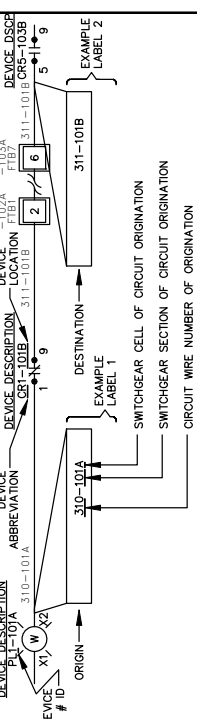


# SCHEMATIC SHEET INDEX

SHEET NUMBER	DWG. TYPE (DEVICE) {LINE 2}	LOCATION {LINE 1}
-REF001	SCHEMATIC GENERAL NOTES & SHEET INDEX	REFERENCE PAGE (1 OF 2)
-REF002	BREAKER INTERNAL WIRING	REFERENCE PAGE (2 OF 2)
-101A003	THREE LINE (C.B. xxx)	SECTION (-101) CELL(A)
-102A004	THREE LINE (C.B. yyy)	SECTION (-101) CELL(B)
-101A005	C.B. CONTROLS (xxx)	SECTION (-101) CELL(A)
-102A006	C.B. CONTROLS (yyy)	SECTION (-101) CELL(B)
-101A007	C.B. CONTACTS (xxx)	SECTION (-101) CELL(A)
-102A008	C.B. CONTACTS (yyy)	SECTION (-101) CELL(B)
-102A009	CONTROL BUS (AC)	SECTION (-101) CELL(B)
-101A010	PROTECTIVE RELAY CONTACTS (xxx)	SECTION (-101) CELL(A)
-102A011	PROTECTIVE RELAY CONTACTS (yyy)	SECTION (-101) CELL(B)
-102B012	THREE LINE (MAIN SERVICE FEED & GPT)	SECTION (-102)
-HTR013	HEATER BUS	N/A
-LCT014	LIGHTING BUS	N/A



## STANDARD WIRE LABEL LEGEND



### NOTES:

- TO REDUCE THE RISK OF FIRE, REPLACE ONLY WITH SAME TYPE & RATING OF FUSE
- ALL C.T. WIRING #2 SIS WITH RING TYPE TERMINALS
- RING TYPE TERMINALS ON ALL SCREW TYPE WIRE CONNECTIONS
- ALL CONTROL & SECONDARY WIRING MINIMUM #14 SIS (UNLESS OTHERWISE NOTED)
- ALL PLC CONTROL WIRING #16 SIS (UNLESS OTHERWISE NOTED)
- HEAT-SHRINK LABELING

### LEGEND:

- 105A027 PAGE NUMBERING DESCRIPTION: (SECTION[-105] CELL[A] SHEET# [027])
- SS [-101002.2Y] SHIPPING/SECTION INTER-CONNECT (SECTION [-101] SHEET# [002] SHEET COORDINATE [2Y])
- SHIPPING/SECTION INTERCONNECT DISCONNECT POINT
- FIELD/CUSTOMER WIRING
- EXTERNAL/FIELD/CUSTOMER TERMINAL BLOCK
- SHIELDED TWISTED PAIR BELDEN CABLE
- BUS PAGE INTER-CONNECT

### DEVICE ABBREVIATIONS

AD	DEVICE, ANNUNCIATOR	CR	RELAY, CONTROL	I/O	INPUT OUTPUT MODULE	MC	CONTACTOR	PR	RELAY, POWER	TB	TERMINAL BLOCK
BAT	BATTERY	CS	SWITCH, CONTROL	ISW	ISOLATION SWITCH	MOC	MECHANICALLY OPERATED CONTACTS	PTB	POWER TERMINAL BLOCK	TOC	TRUCK OPERATED CONTACTS
BGS	SWITCH, BREAKER CONTROL SWITCH	CT	CURRENT TRANSFORMER	JB	JUNCTION BOX	MTR	METER (AMP,FREQ,POWER FCTR,VOLT,WATT)	RCP	REMOTE CONTROL PANEL	TR	RELAY, TIMING
CAP	CAPACITOR	DSP	DISPLAY	K	KEYED INTERLOCK	NCT	NEUTRAL CURRENT TRANSFORMER	ROPT	RECEPTACLE	TS	SWITCH, TEST
CB	CIRCUIT BREAKER	EPB	EMERGENCY PUSH-BUTTON	KSW	SWITCH, KEYED	NS	NEUTRAL SENSOR	RES	RESISTOR	TST	THERMOSTAT
CD	DEVICE, COMMUNICATION	EXP	EXCITER PANEL	LBS	LOAD BREAK SWITCH	OLR	OVERLOAD RELAY	RLY	MULTIFUNCTION RELAY	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
CHG	BATTERY CHARGER	FR	RELAY, FREQUENCY SENSING	LIS	LOAD INTERRUPTER SWITCH	PB	PUSH BUTTON	SD	DEVICE, SURGE	VM	MONITOR, VOLTAGE
CL	CURRENT LIMITING REACTOR	FU	FUSE	LOR	RELAY, LOCK-OUT	PDB	POWER DISTRIBUTION BLOCK	SKRU	SOLENOID KEY RELEASE UNIT	VR	RELAY, VOLTAGE SENSING
CM	CIRCUIT MONITOR	GFCI	GROUND FAULT INTERRUPTER	LP	PANELBOARD	PFC	CAPACITOR, POWER FACTOR CORRECTION	SR	RELAY, CURRENT SENSING	VT	VOLTAGE TRANSFORMER
CPTD	CONTROL POWER TRANSFORMER	HST	HUMIDISTAT	LR	RELAY, PARALLELING	PL	INDICATING LIGHT	STB	SHORTING TERMINAL BLOCK	XR	RELAY, AUXILIARY
OPTD	DEVICE, CAPACITOR TRIP	HTR	HEATER	LT	LIGHT	PM	POWER MONITOR	SW	SWITCH	ZCT	ZERO SEQUENCE CURRENT TRANSFORMER

### SHEET NOTES

REV	DESCRIPTION	DATE	APPROVED
1	AS BUILT	9/1/2011	M.P.

REVISIONS

**ESSMETRON**

ELECTRICAL SYSTEMS & STRUCTURES

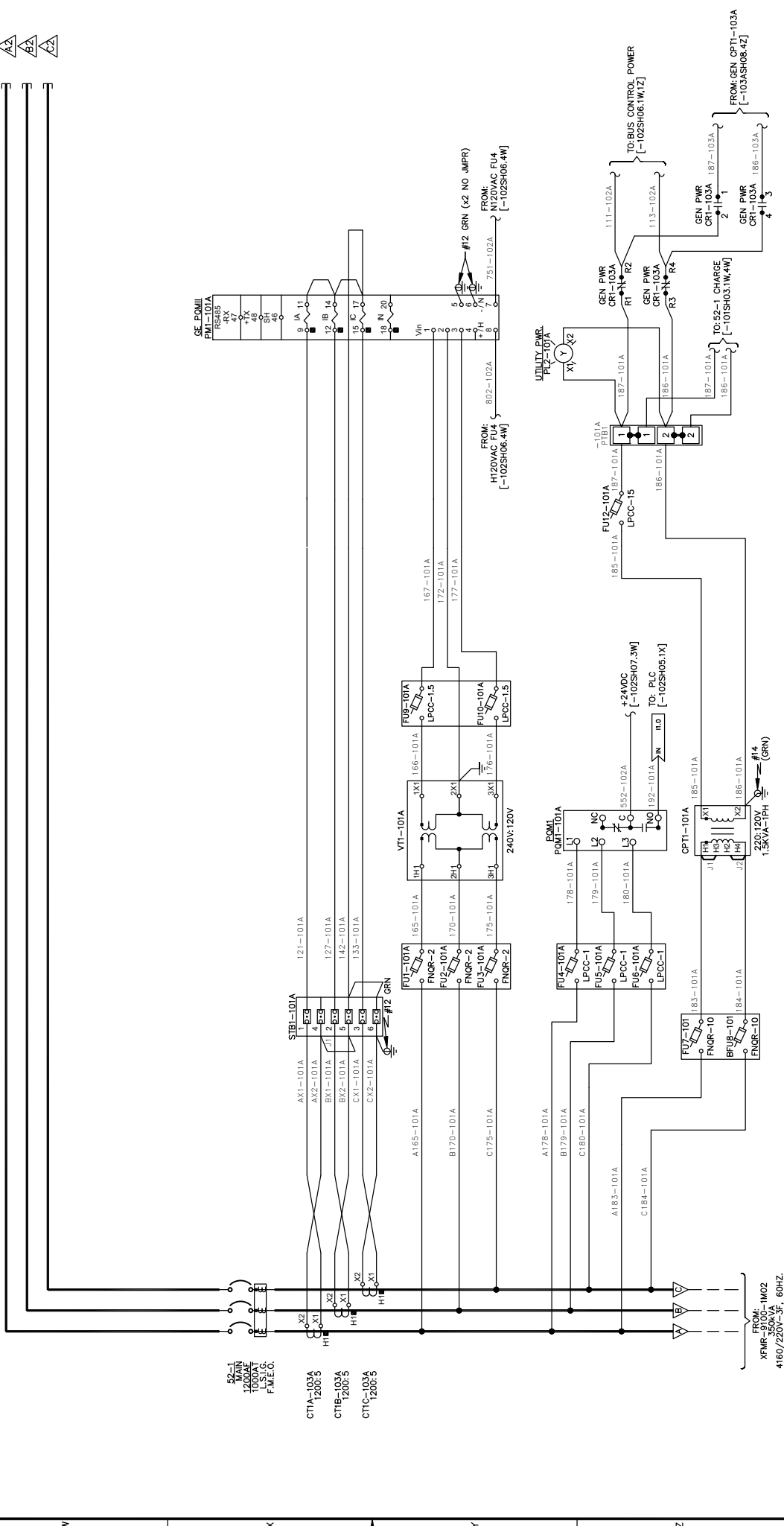
SWBD-1200A-220/3/3W

REFERENCE PAGE (1 OF 2)

SCHEMATIC GENERAL NOTES & SHEET INDEX

DRAWN	M.P.	6/23/2011	SIZE	DWG NO.
CHECK			B	
APPD				

SCALE: N.T.S. SHEET REF001 OF 9



**ESSMETRON**

SWBD-1200A-220/3/3W  
SECTION (-101) CELL(A)  
THREE LINE

REV	DATE	APPROVED
1	9/1/2011	M.P.

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
1	AS BUILT	9/1/2011	M.P.

DRAWN M.P. 6/23/2011  
CHECK APPD

SIZE DWG NO. B  
SCALE N.T.S.

SHEET 02 OF 9

**REVISIONS**

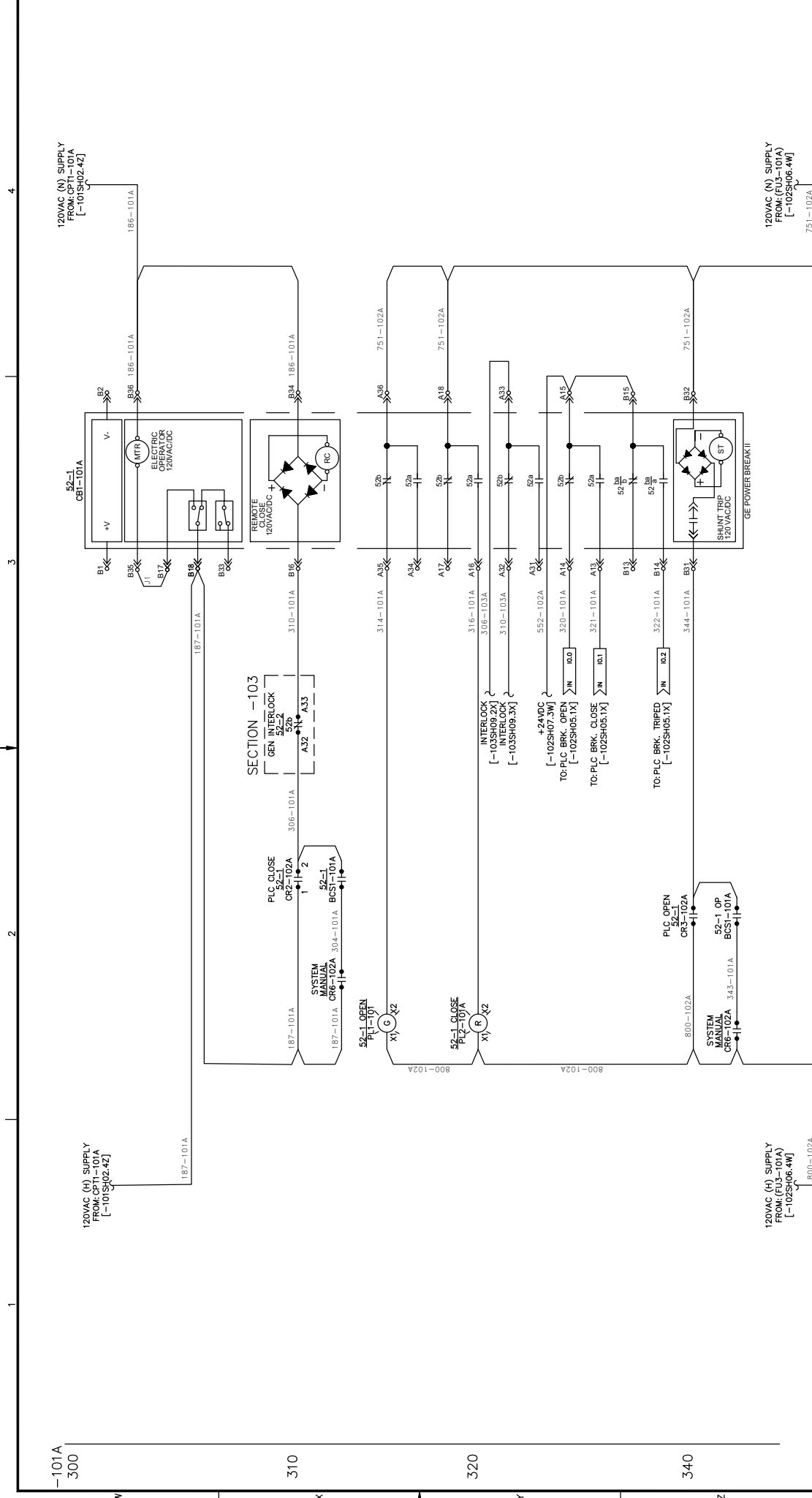
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1	AS BUILT	9/1/2011	M.P.

**SHEET NOTES**

52-1 1200AFE MAIN BUS  
1200A FE  
LUSITA  
F.M.E.O.

CT1A-103A 1200'S  
CT1B-103A 1200'S  
CT1C-103A 1200'S

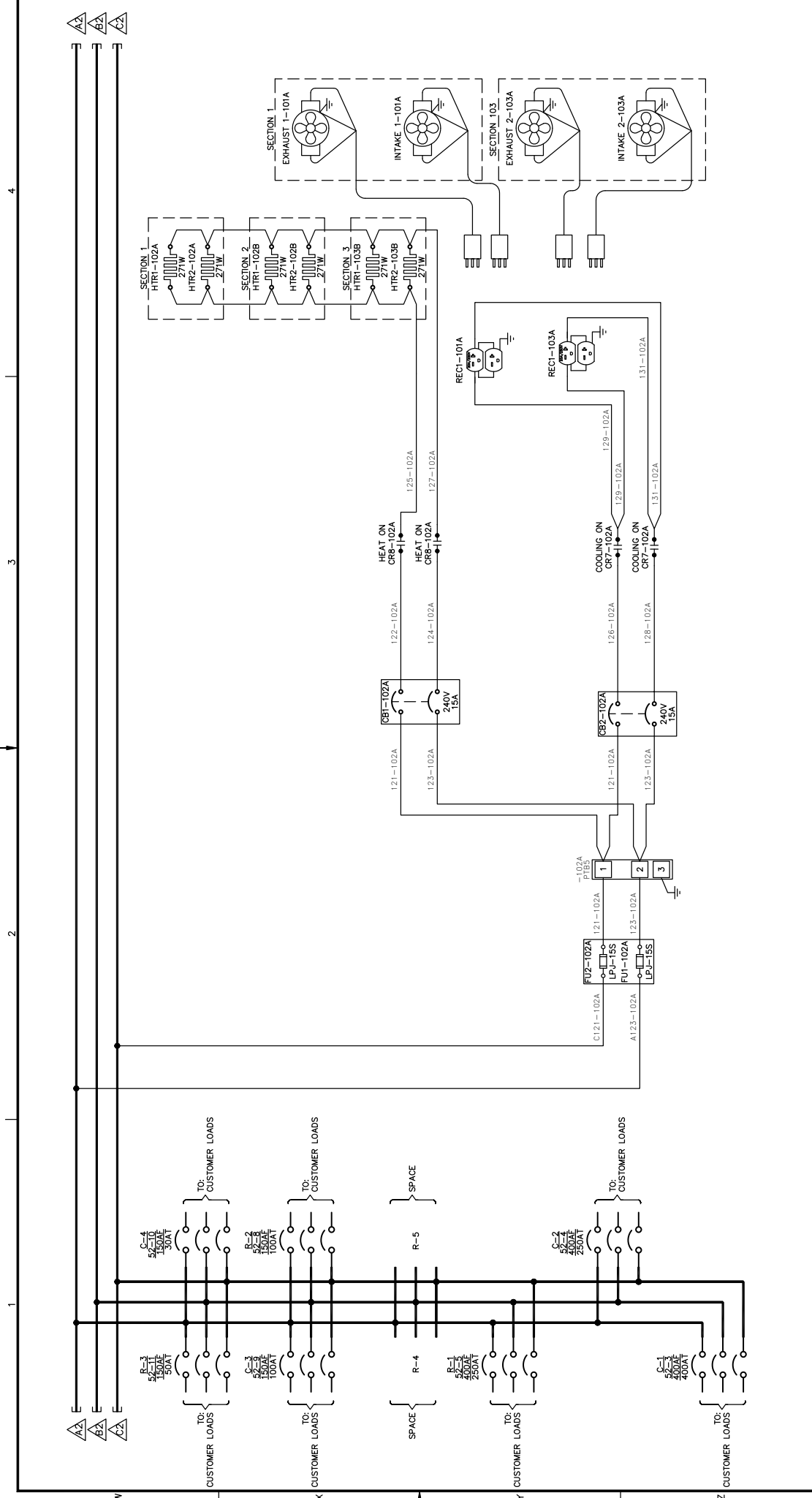
4160/220V-3F, 60HZ.



SHEET NOTES		REVISIONS	
REV	DESCRIPTION	DATE	APPROVED
1	AS BUILT	9/1/2011	M.P.

		ELECTRICAL SYSTEMS & STRUCTURES	
SWBD-1200A-220/3/3W		SECTION (-101) CELL(A)	
C.B. CONTROLS		DRAWN M.P. 6/23/2011	
CHECK		SIZE	DWG NO.
APPD		B	
SCALE		N.T.S.	SHEET 03
			OF 9



REVISIONS		DATE		APPROVED	
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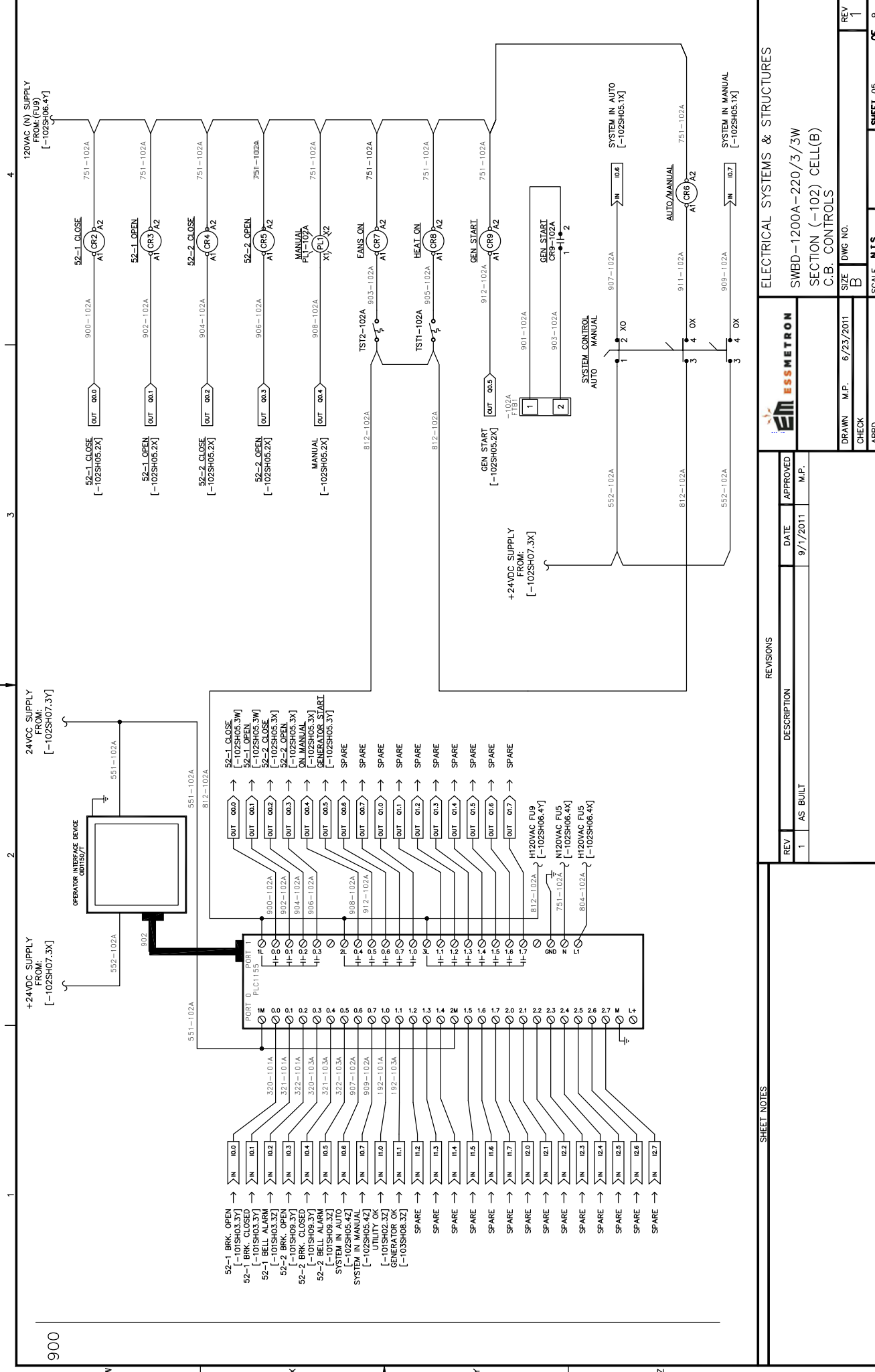
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CHECK		APPD	

SCALE N.T.S.		SHEET 04	OF 9
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ELECTRICAL SYSTEMS & STRUCTURES	
SWBD-1200A-220/3/3W	
SECTION (-102) CELL(A)	
THREE LINE/CLIMATE CONTROL	



REV	DESCRIPTION	DATE	APPROVED
1	AS BUILT	9/1/2011	M.P.

DRAWN	M.P.	6/23/2011	SIZE	DWG NO.
CHECK	B			

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			05	9

REVISIONS

SHEET NOTES

ELECTRICAL SYSTEMS & STRUCTURES

SWBD-1200A-220/3/3W

SECTION (-102) CELL(B)

C.B. CONTROLS

ESSMETRON

120VAC (N) SUPPLY FROM: (FU9) [-102SH06.4Y]

24VDC SUPPLY FROM: (-102SH07.3X)

OPERATOR INTERFACE DEVICE

PLC115S

52-1 BRK. OPEN [-101SH03.3Y]

52-2 BRK. CLOSED [-101SH03.3Y]

52-1 BELL ALARM [-101SH03.3Z]

52-2 BRK. OPEN [-101SH09.3Y]

52-2 BRK. CLOSED [-101SH09.3Y]

52-1 BELL ALARM [-101SH09.3Z]

SYSTEM IN AUTO [-102SH05.4Z]

SYSTEM IN MANUAL [-102SH05.4Z]

UTILITY OK [-101SH09.3Y]

GENERATOR OK [-101SH09.3Y]

SPARE [-101SH08.3Z]

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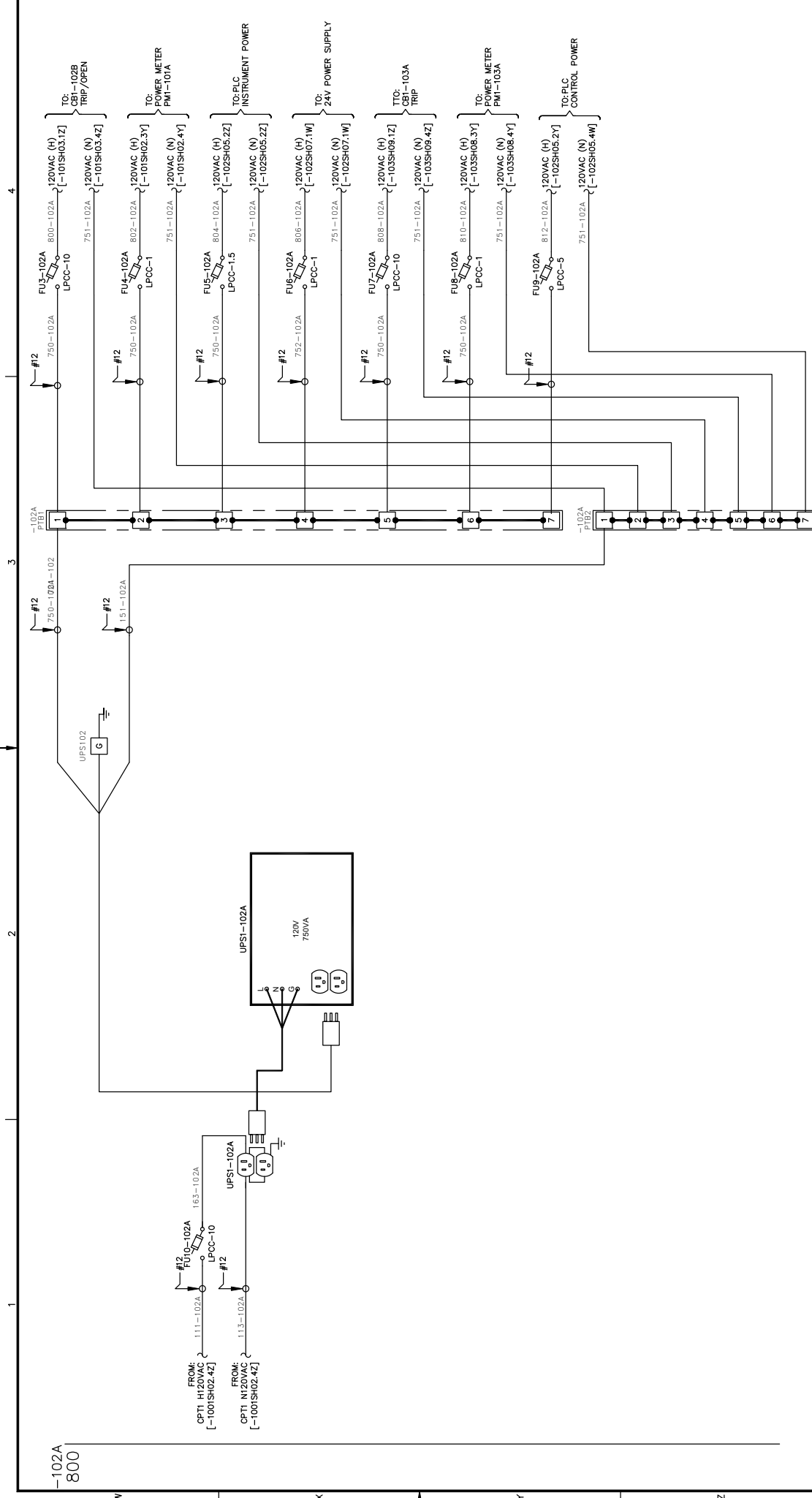
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**ESSMETRON**

SWBD-1200A-220/3/3W  
SECTION (-102)  
CONTROL BUS (DC)

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
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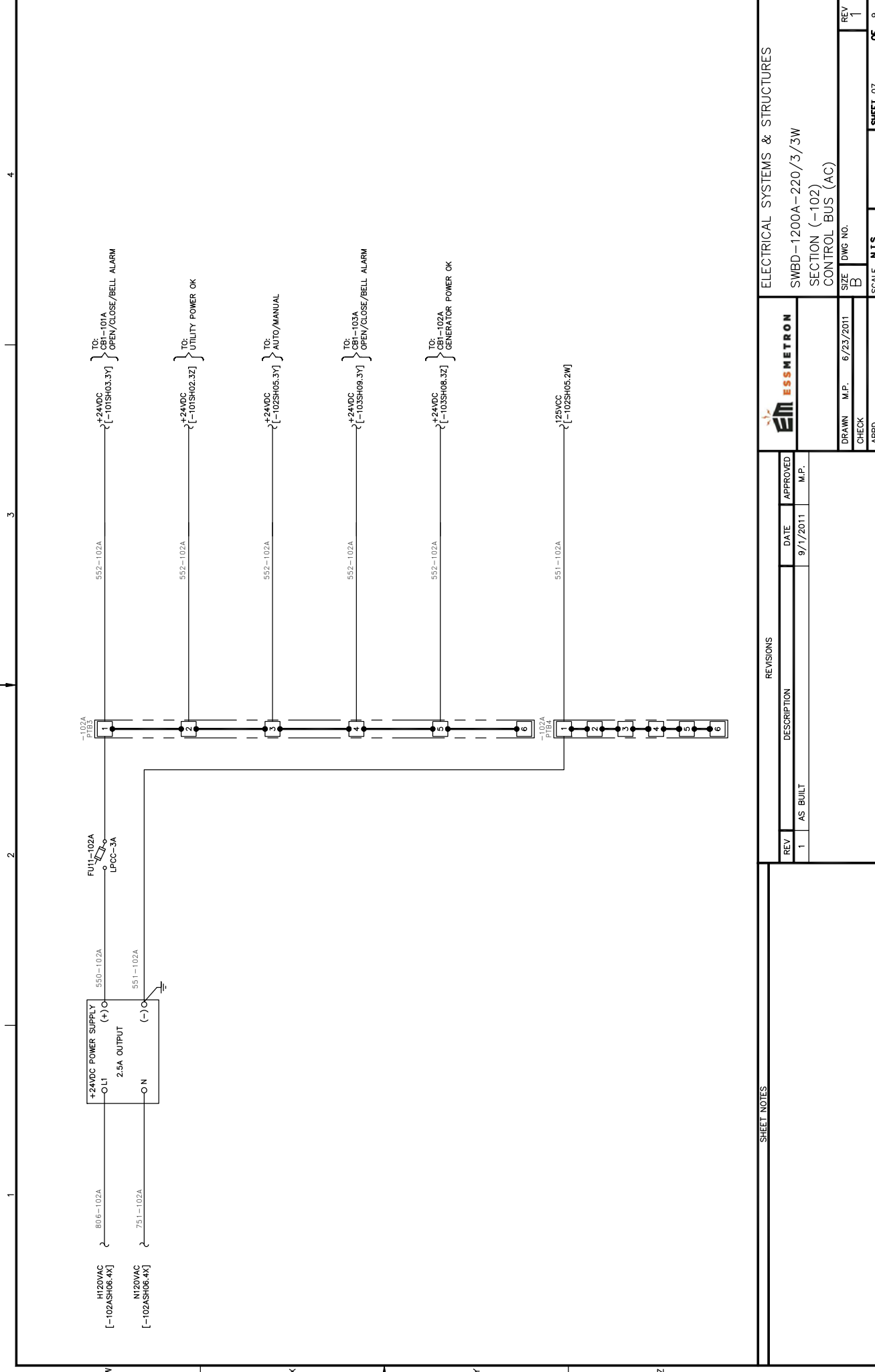
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CHECK APPD

SIZE DWS NO. B

SCALE N.T.S.

SHEET 06 OF 9



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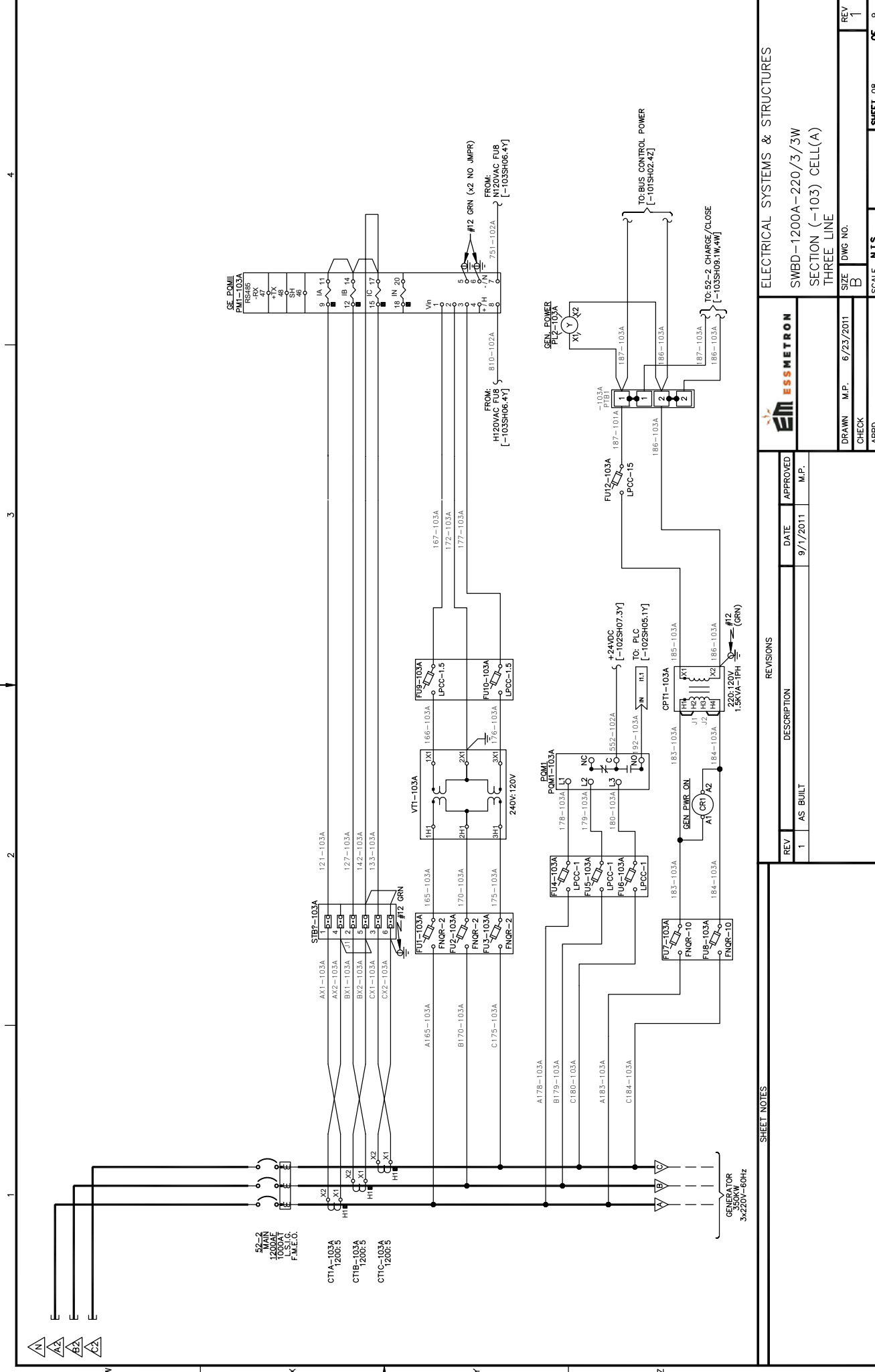
Y

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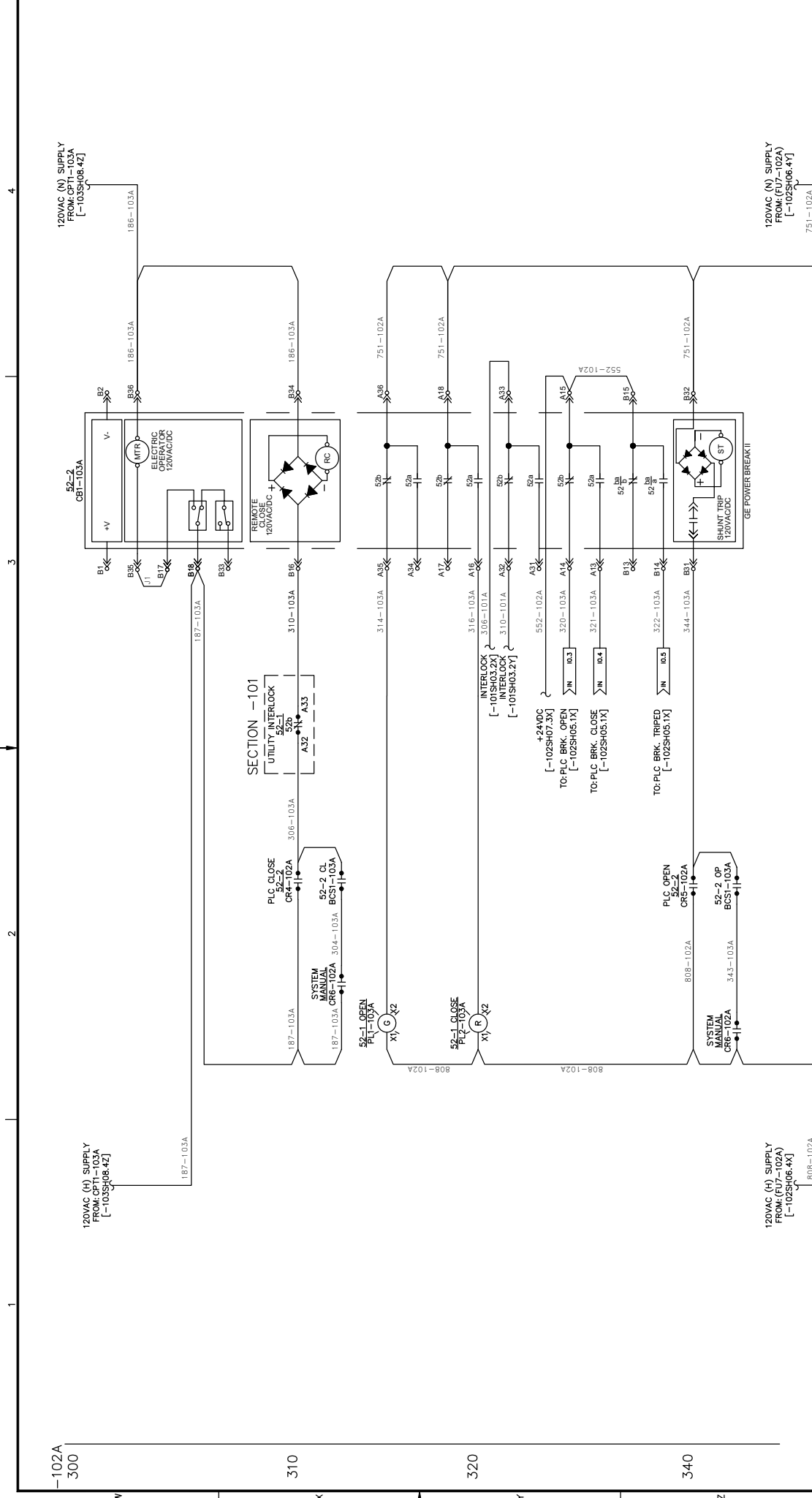
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SWBD-1200A-220/3/3W		SECTION (-102)	
CONTROL BUS (AC)		DWS NO.	
DRAWN	M.P.	6/23/2011	SIZE
CHECK			B
APPD			
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SHEET NOTES		REVISIONS	
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1	AS BUILT	9/1/2011	M.P.

		ELECTRICAL SYSTEMS & STRUCTURES	
		SWBD-1200A-220/3/3W SECTION (-103) CELL(A) THREE LINE	
DRAWN	M.P.	6/23/2011	DWG NO.
CHECK	B		
APPD			
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REVISIONS		DATE		APPROVED	
REV	DESCRIPTION	DATE	APPROVED	DATE	APPROVED
1	AS BUILT	9/1/2011	M.P.		

SHEET NOTES		ELECTRICAL SYSTEMS & STRUCTURES	
		SWBD-1200A-220/3/3W	
		SECTION (-103) CELL (A)	
		C.B. CONTROLS	
DRAWN	M.P.	6/23/2011	DWG NO.
CHECK	B		
APPD			
SCALE	N.T.S.	SHEET 09	OF 9