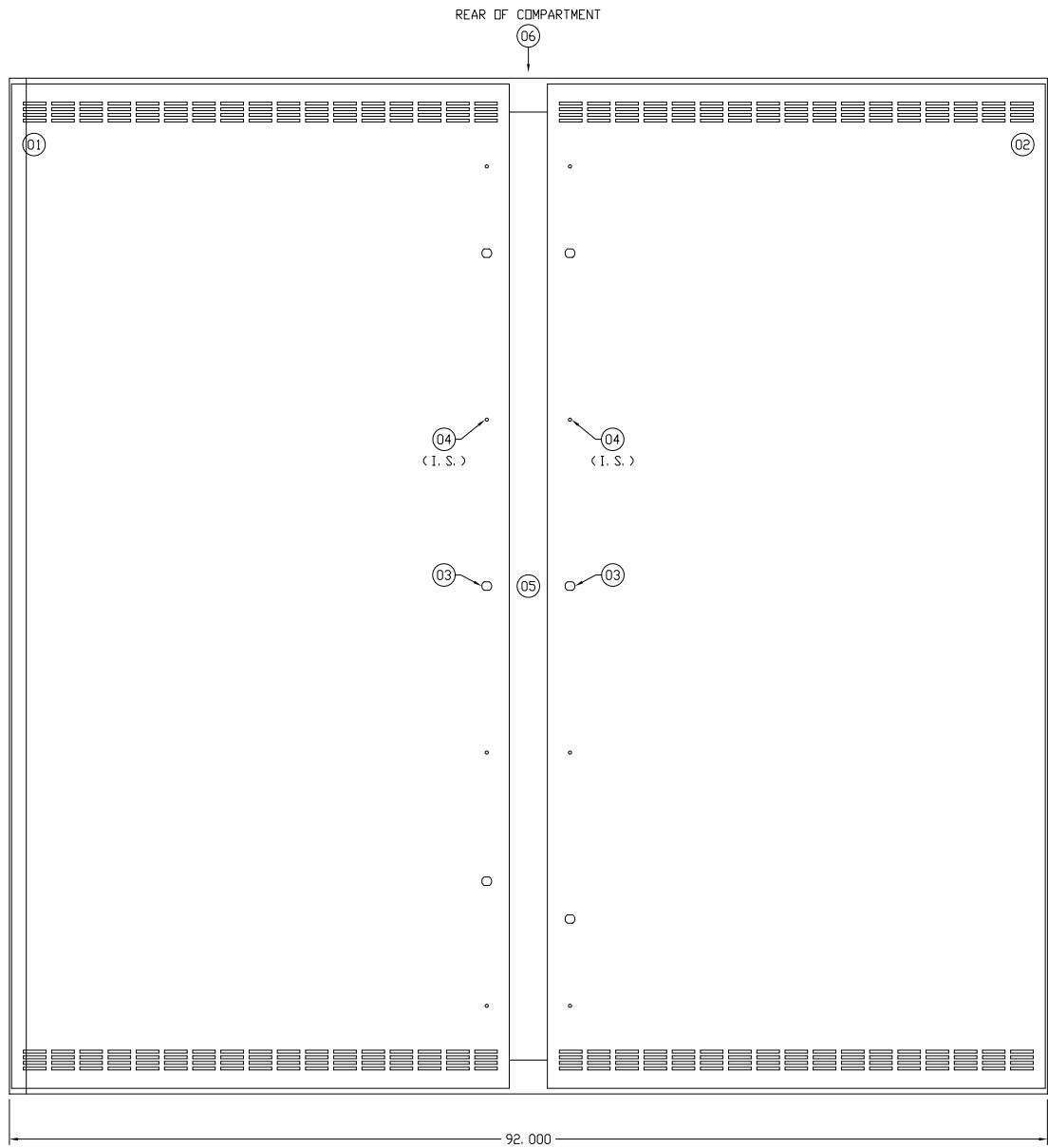
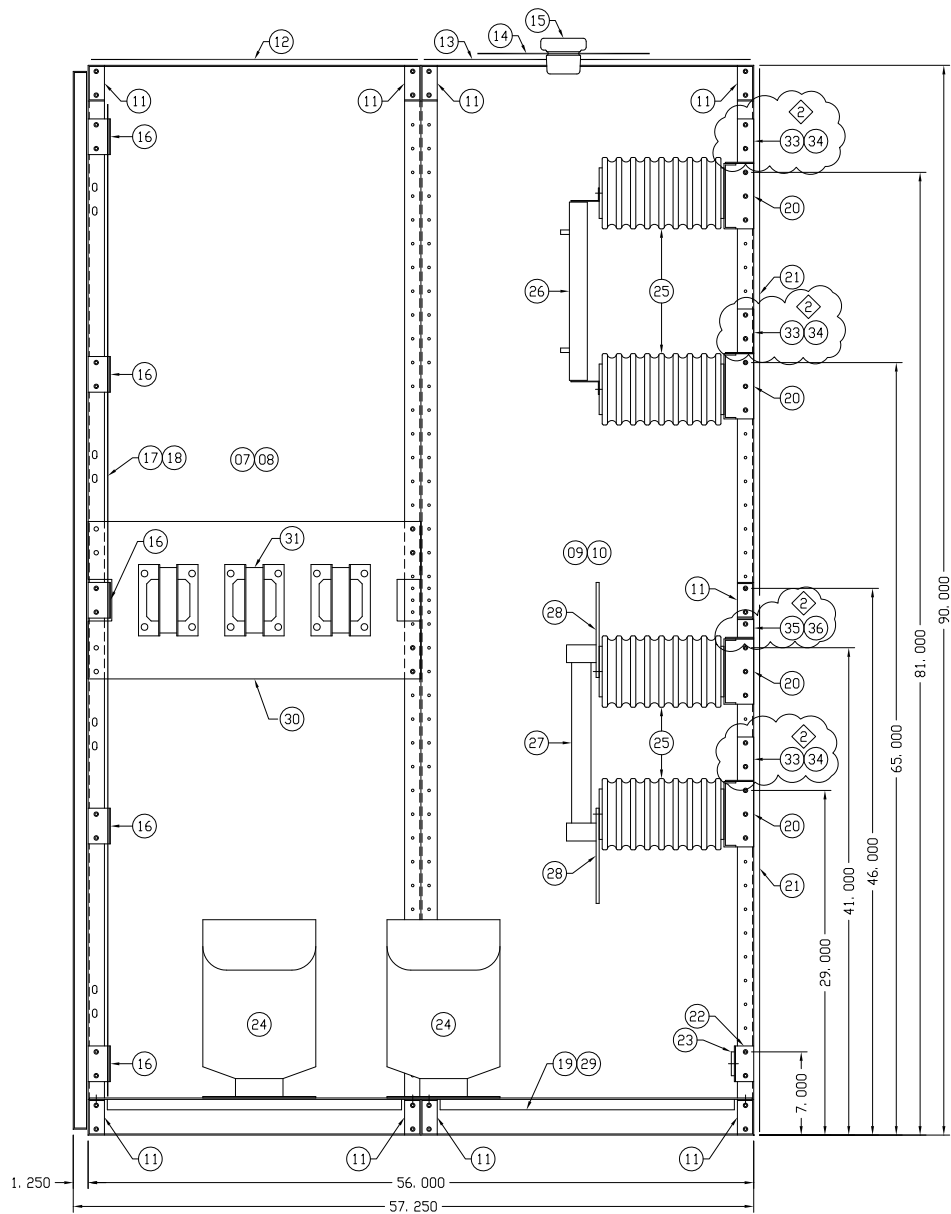


1. FLOOR PLATE FABRICATED FROM 0.25" SHEETS.
2. WELD AN ANGLE UNDER ANY EXPOSED FLOOR PLATE SEAM.
3. COPE CHANNEL AS REQUIRED.
4. PART 03 NOT WELDED TO BASE.
5. FOR TYPICAL END VIEWS SEE FIGURE 22, DWG. BDOB11 W/PART 04 WELDED INSIDE
6. INSTALL #40d BXB NAILS AT 14" GRID FOR INSTALLING INSULATION.
7. ESTIMATED WEIGHT 9,500LB.

X01		BILL OF MATERIAL			
DATE	REV	SCALE:	POWERCENTER BASE DETAIL		
12/07/99	R1	3/4" = 1' - 0"			
03/22/00	R2	CLASS:			
01/17/01	R3	1045A			
		DBJ			
		JESS			
		LDL			
DATE APP'D					
12/02/99					

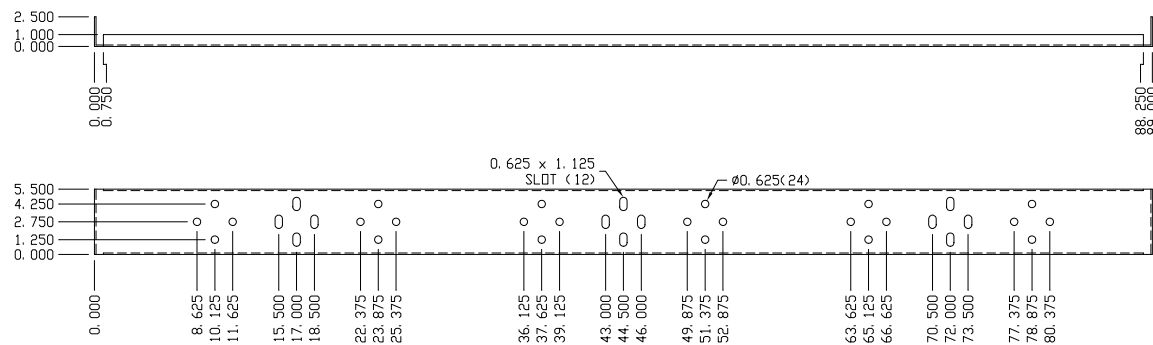


FRONT ELEVATION

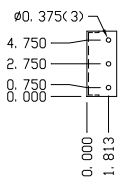


SECTIONAL SIDE ELEVATION

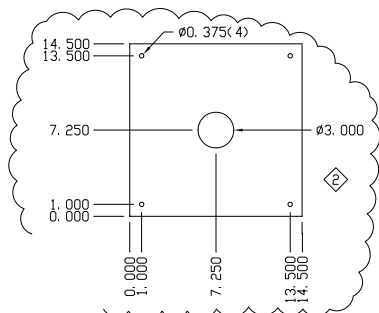
BOLTED ASSEMBLY X01



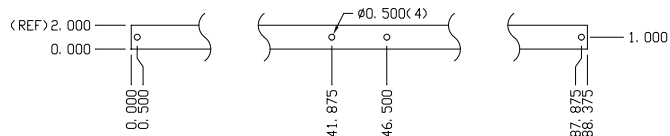
DETAIL PART 20



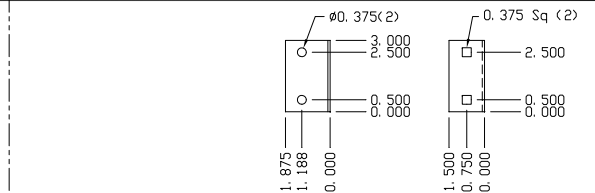
TYP. END VIEW



DETAIL PART 14

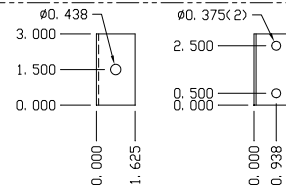


DETAIL PART 23



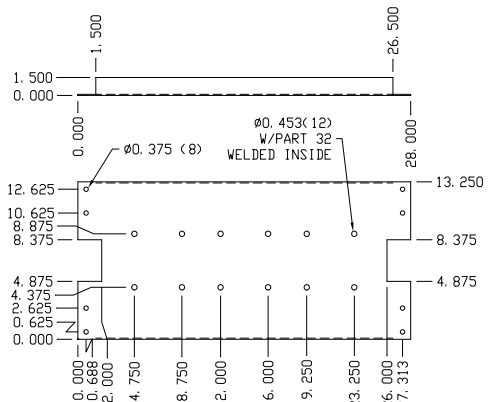
DETAIL PART 16

(SCALE: 3"=1")



DETAIL PART 22

(SCALE: 3"=1")



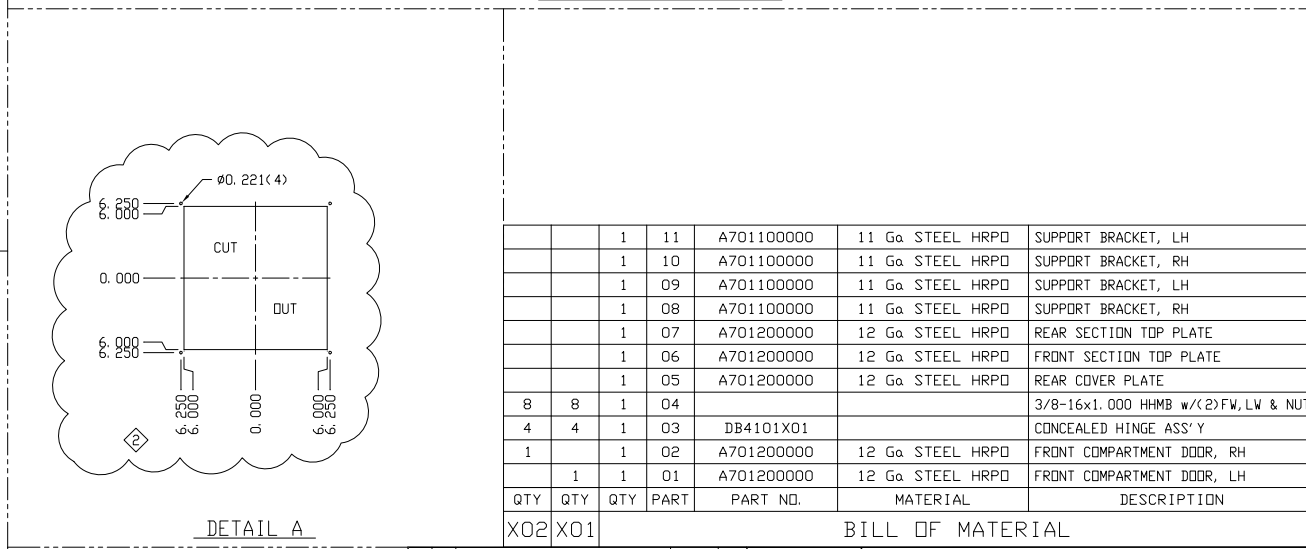
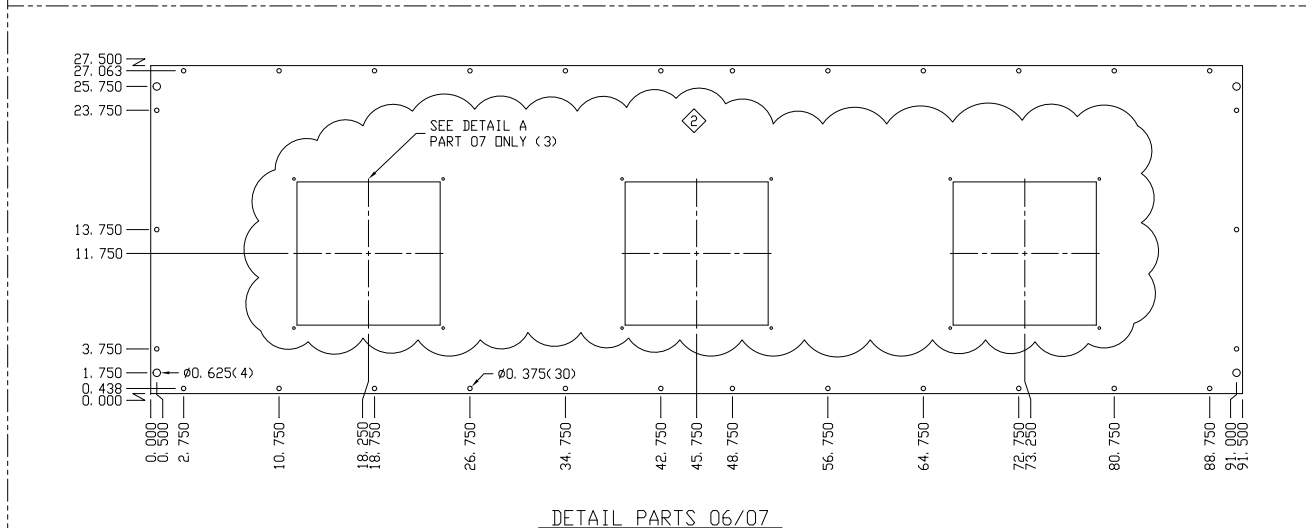
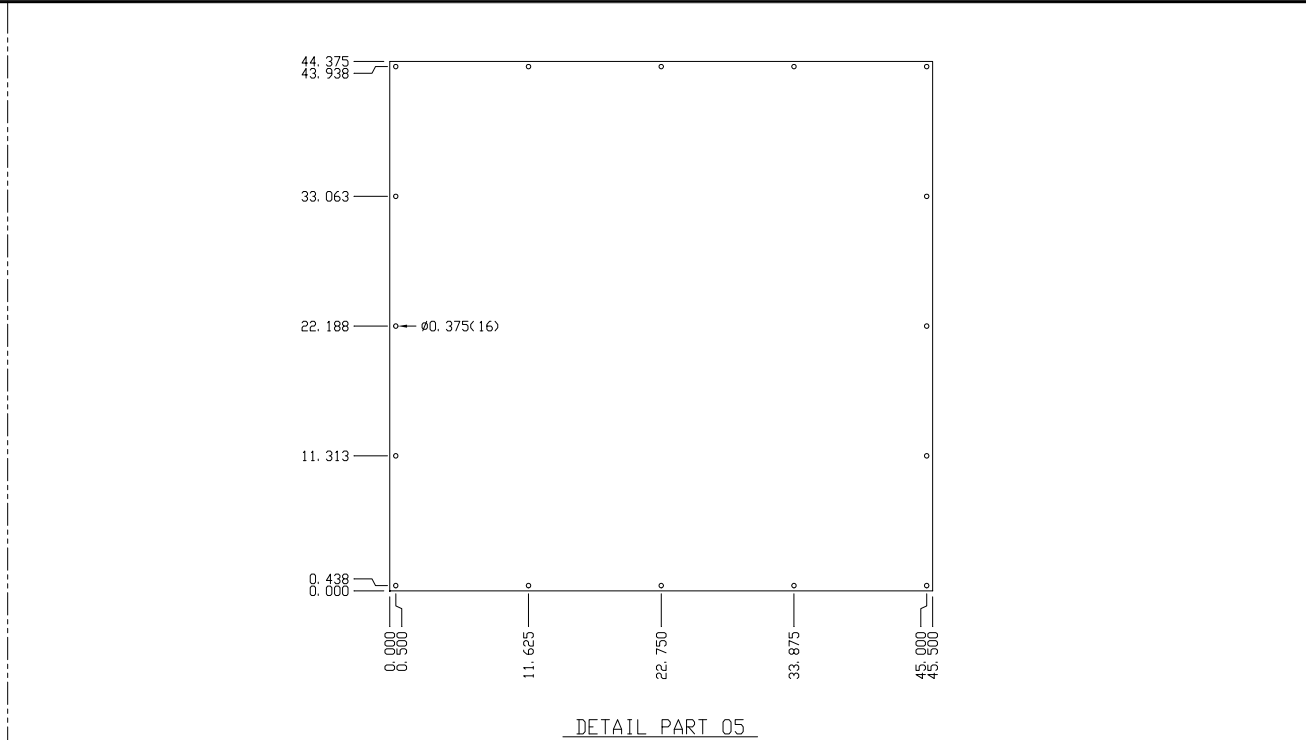
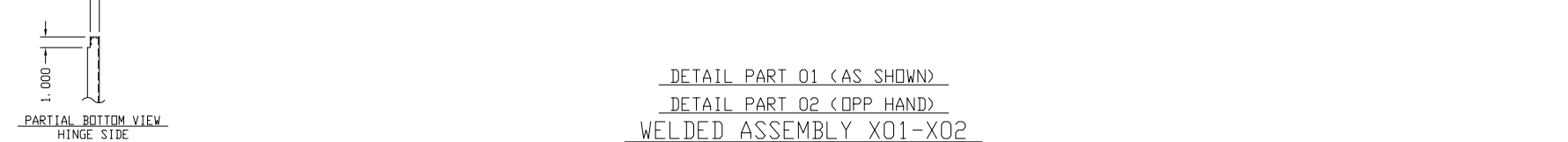
DETAIL PART 30

1		36	405100D03P11		SUPPORT BRACKET, LH
1		35	405100D03P10		SUPPORT BRACKET, RH
3		34	405100D03P09		SUPPORT BRACKET, LH
3		33	405100D03P08		SUPPORT BRACKET, RH
12	1	32			3/8-16 WELD NUT
6	1	31	SD ITEM 131B		VOLTAGE TRANSFORMER
2	1	30	A701200000	12 Ga STEEL HRPO	VOLTAGE TRANSFORMER MOUNTING PAN
1	1	29	405100D04X04		FLOOR PLATE ASS'Y RH
12	1	28	SD ITEM 114		FUSE CLIP, EKO-1C
6	1	27	SD ITEM 113		FUSE, POWER SIZE C
3	1	26	SD ITEM 133		RESISTOR
18	1	25	SD ITEM 119		23KV PORCELAIN INSULATOR
6	1	24	SD ITEM 131		VT, 25KV CLASS
1	1	23	A28502520	1/4 x 2.000 RE CU	GROUND BUS
4	1	22	A701200000	12 Ga STEEL HRPO	GROUND BUS MOUNTING ANGLE
4	1	21	405100D03P05		REAR COVER PLATE
4	1	20	A701100000	11 Ga STEEL HRPO	FUSE/RESISTOR MOUNTING PAN
1	1	19	405100D04X03		FLOOR PLATE ASS'Y LH
1	1	18	405100D04X02		EXPANDED METAL BARRIER RH
1	1	17	405100D04X01		EXPANDED METAL BARRIER LH
18	1	16	A701200000	12 Ga STEEL HRPO	EXPANDED METAL MOUNTING ANGLE
3	1	15	DB1251P01		PORCELAIN BUSHING
3	1	14		1/8 GLASTIC SHEET	TOP GLASTIC COVER, CABLE ENTRANCE
1	1	13	405100D03P07		REAR SECTION TOP PLATE
1	1	12	405100D03P06		FRONT SECTION TOP PLATE
9	1	11	405100D05P05		CROSS BRACE
1	1	10	405100D05P04		REAR SECTION, RH
1	1	09	405100D05P03		REAR SECTION, LH
1	1	08	405100D05P02		FRONT SECTION, RH
1	1	07	405100D05P01		FRONT SECTION, LH
2	1	06	405100D05P06		CENTER POST, REAR
1	1	05	405100D05P07		CENTER POST, FRONT
8	1	04	PR3402P01		DOOR SILENCER
6	1	03	PR3401P01		DOOR LATCH
1	1	02	405100D03X02		FRONT COMPARTMENT DOOR, RH
1	1	01	405100D03X01		FRONT COMPARTMENT DOOR, LH
QTY	QTY	PART	PART NO.	MATERIAL	DESCRIPTION



X01

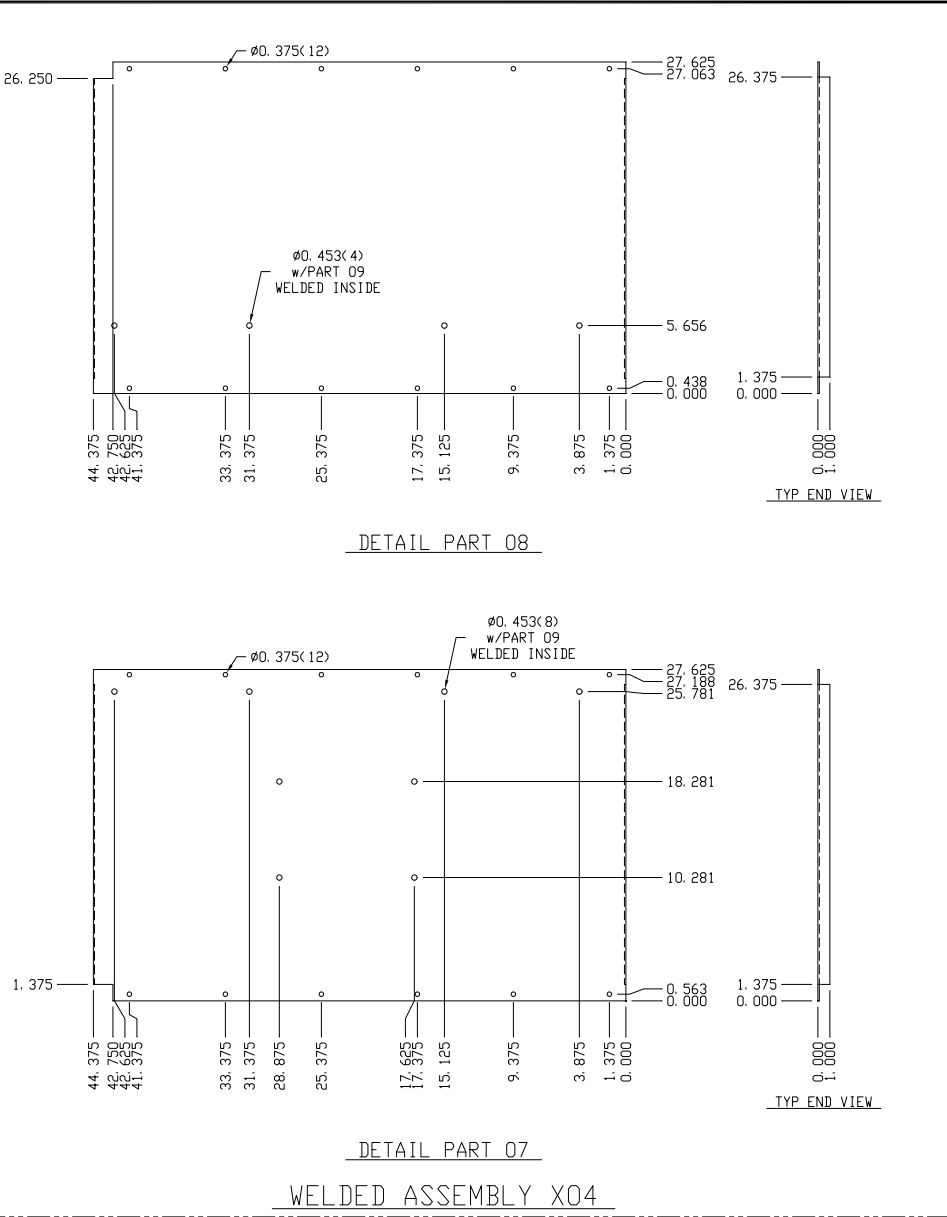
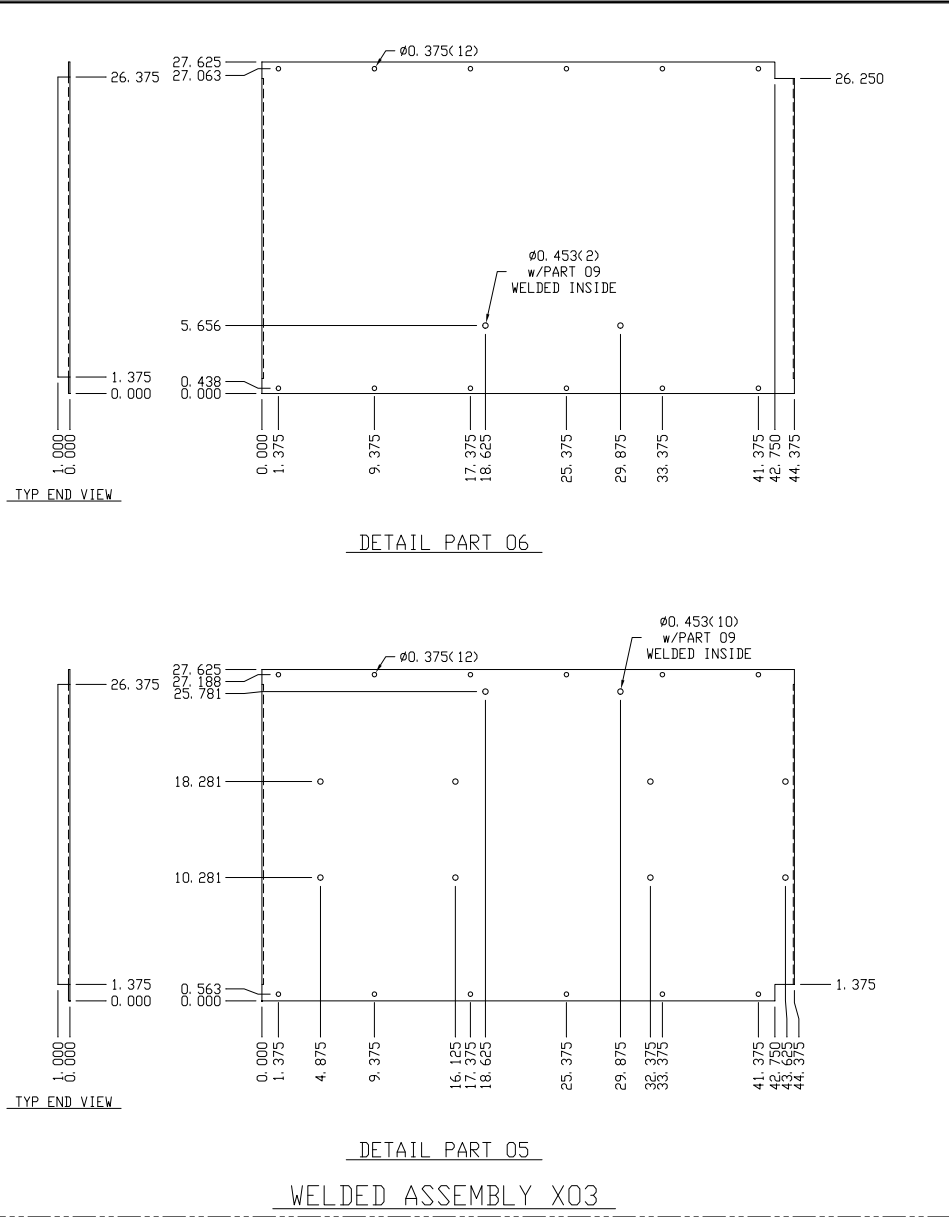
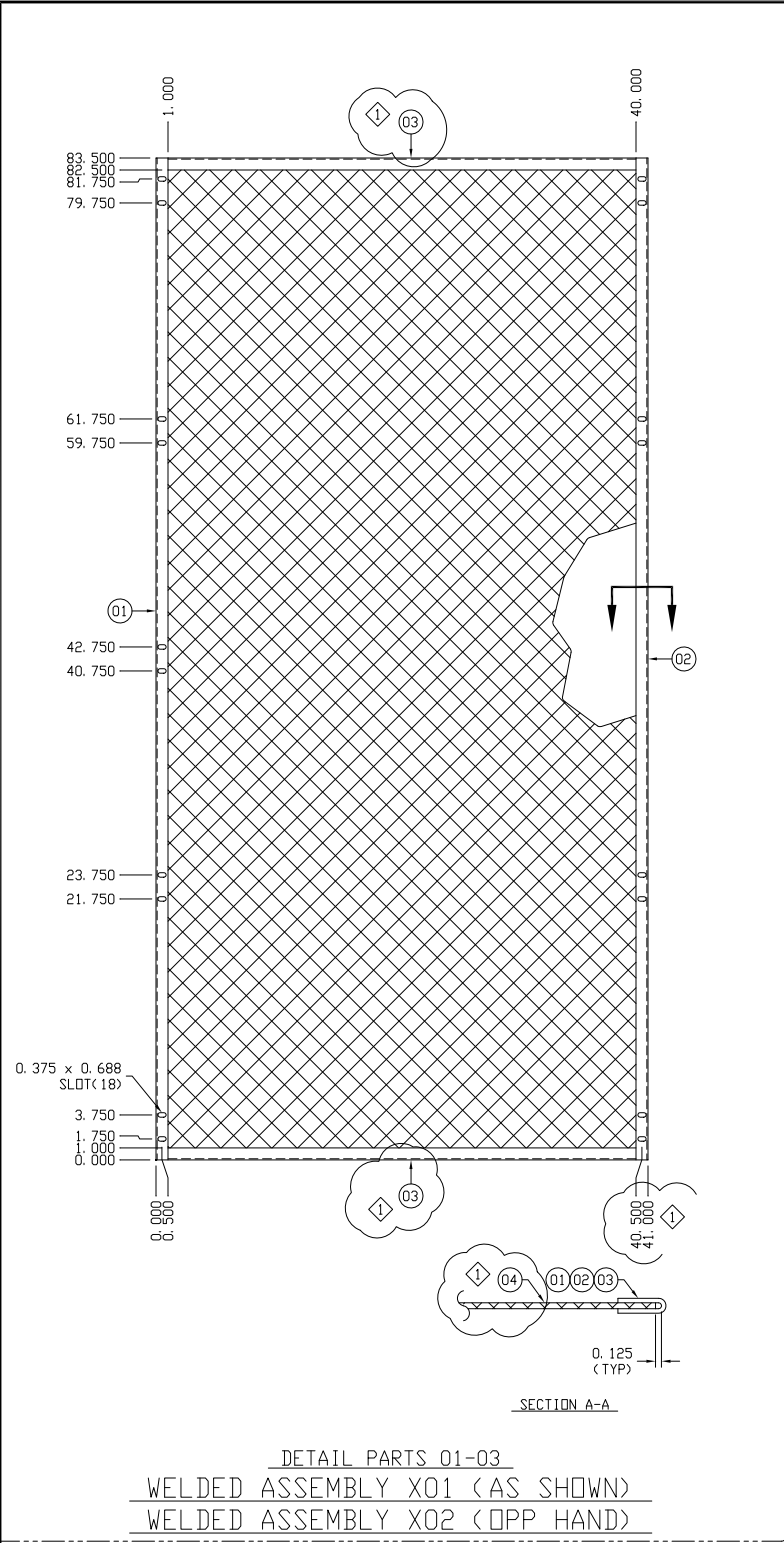
BILL OF MATERIAL



ENGR	JTR	REVISION DESCRIPTION	DATE	REV	SCALE
LDL	DBJ	ADDED PARTS 30, 31 & 32	02/16/00	R1	1 1/2" = 1' - 0"
	DBJ	ADDED PARTS 33, 34, 35 & 36/ REVISED PART 14	03/29/00	R1	CLASS
					1400
					JESS
					TCB
					LDL
					DATE APP'D 12/29/99
					ASSEMBLY & DETAILS
					V. T. COMPARTMENT BOLTED ASSEMBLY & DETAILS
					FINISH: PER SHOP ORDER ASS'Y
					SHOP ORDER No. AB-405-E100
					DWG No. 405-100-D02

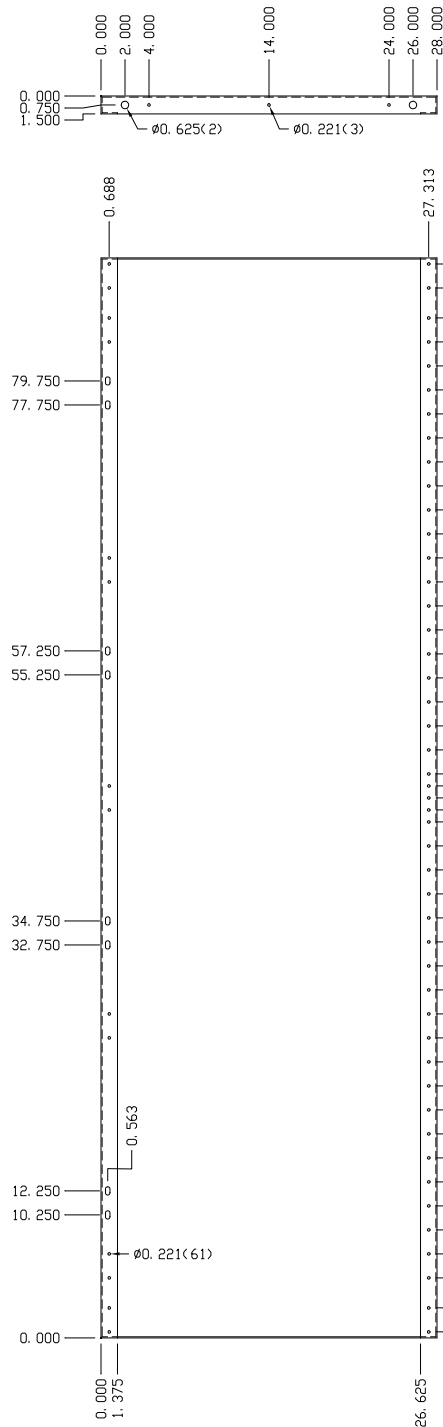


		1	11	A701100000	11 G _a STEEL HRPD	SUPPORT BRACKET, LH
		1	10	A701100000	11 G _a STEEL HRPD	SUPPORT BRACKET, RH
		1	09	A701100000	11 G _a STEEL HRPD	SUPPORT BRACKET, LH
		1	08	A701100000	11 G _a STEEL HRPD	SUPPORT BRACKET, RH
		1	07	A701200000	12 G _a STEEL HRPD	REAR SECTION TOP PLATE
		1	06	A701200000	12 G _a STEEL HRPD	FRONT SECTION TOP PLATE
		1	05	A701200000	12 G _a STEEL HRPD	REAR COVER PLATE
8	8	1	04			3/8-16x1.000 HHMB w/ (2)FW, LW & NU
4	4	1	03	DB4101X01		CONCEALED HINGE ASS'Y
1		1	02	A701200000	12 G _a STEEL HRPD	FRONT COMPARTMENT DOOR, RH
	1	1	01	A701200000	12 G _a STEEL HRPD	FRONT COMPARTMENT DOOR, LH
QTY	QTY	QTY	PART	PART NO.	MATERIAL	DESCRIPTION

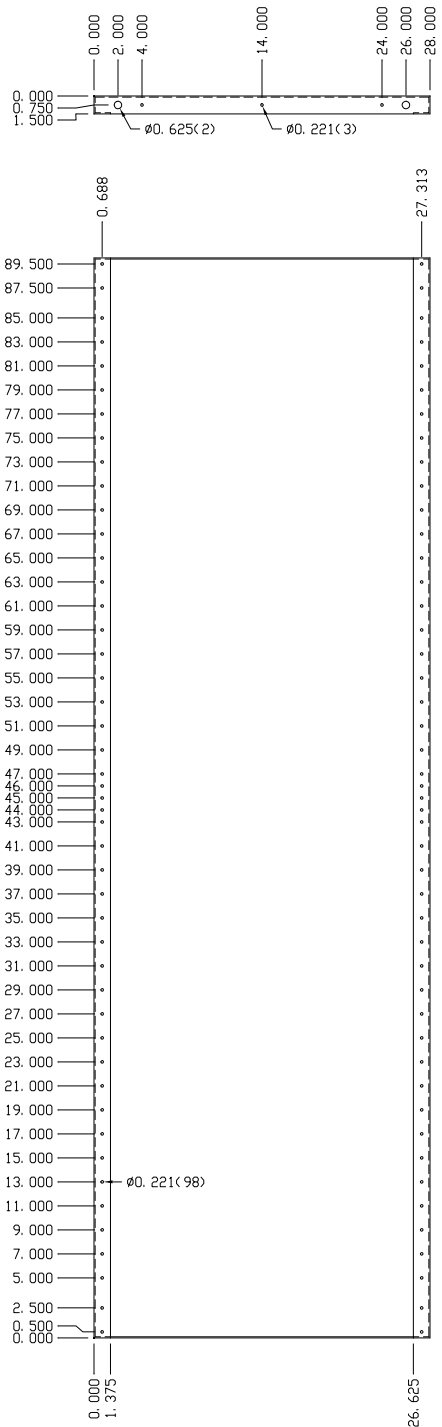
X02	X01	BILL OF MATERIAL			
REVISION DESCRIPTION	DATE	REV	SCALE: 1 1/2" = 1' - 0"	ASSEMBLY & DETAILS FRONT COMPARTMENT DOORS FINISH: PER SHOP ORDER ASS'Y	
DETAIL A	08/23/00	R1	CLASS		
T 08, 09, 10, & 11: REVISED	03/29/00	R2	1400		
			DR		
			JESS		
			OK		
			TCB		
			APPD		
			LDL		
			DATE APPD: 12/29/99		
				 9747 S. 85th W. Ave. Tulsa, Oklahoma 74131 A Division of Central Electric Company 	
				SHOP ORDER No. AB-405-E100 TAG No. 405-100-D03	



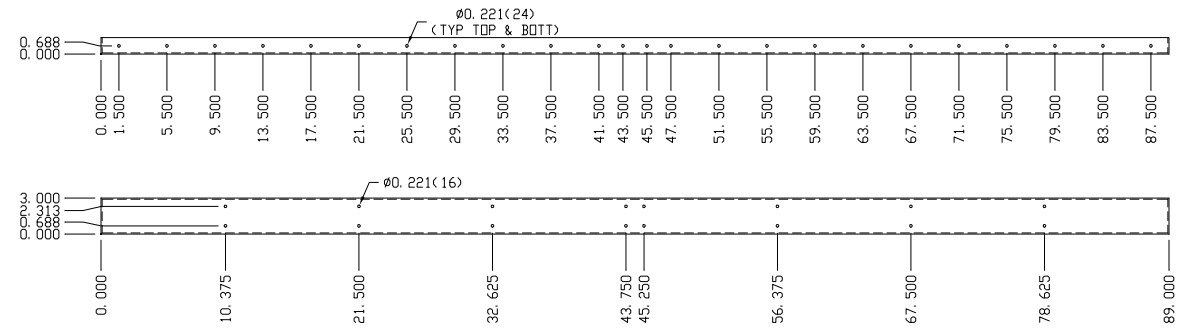
	12	12				1	09											3/8-16 WELD NUT
	1					1	08	A701100000	11 Ga. STEEL HRPO	FLOOR PLATE, RH REAR								
	1					1	07	A701100000	11 Ga. STEEL HRPO	FLOOR PLATE, RH FRONT								
		1				1	06	A701100000	11 Ga. STEEL HRPO	FLOOR PLATE, LH REAR								
		1				1	05	A701100000	11 Ga. STEEL HRPO	FLOOR PLATE, LH FRONT								
① ①			1	1	1	04	A731400000	14 Ga. EXPANDED	40.750 x 83.250									
			2	2	1	03	A701200000	12 Ga. STEEL HRPO	HEM, 39.000" Lg.									
			1	1	1	02	A701200000	12 Ga. STEEL HRPO	HEM, 83.500" Lg.									
			1	1	1	01	A701200000	12 Ga. STEEL HRPO	HEM, 83.500" Lg.									
	QTY	QTY	QTY	QTY	QTY	PART	PART NO.		MATERIAL		DESCRIPTION							
X04X03X02X01												BILL OF MATERIAL						
ENGR	DATE	REVISION DESCRIPTION				DATE	REV	SCALE	ASSEMBLY & DETAILS EXPANDED METAL BARRIERS & FLOOR PAN FINISH: PER SHOP ORDER ASS'Y									
DBJ	02/16/00	CHANGED WIDTH OF X01 & X02 ASSEMBLYS				02/16/00	R1	1 1/2" = 1' -0"										
								CLASS:					1400					
								DR:					JESS					
								CK:					TCB					
								APPD:					LDL					
								DATE APPD:	12/29/99	<div> 8747 S. 65th W. Ave. Tulsa, Oklahoma 74131</div> <div>A Division of Central Electric Company </div>								
									SHOP ORDER No.		AB-405-E100							
									DWG No.		405-100-D04							



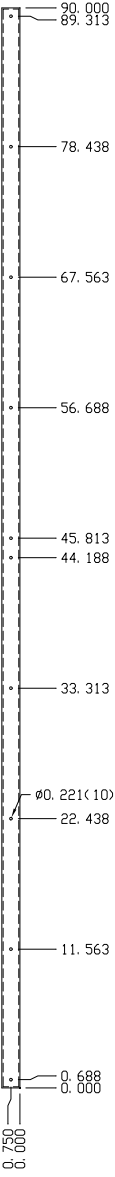
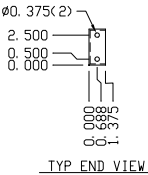
DETAIL PART 01 (AS SHOWN)
DETAIL PART 02 (OPP HAND)



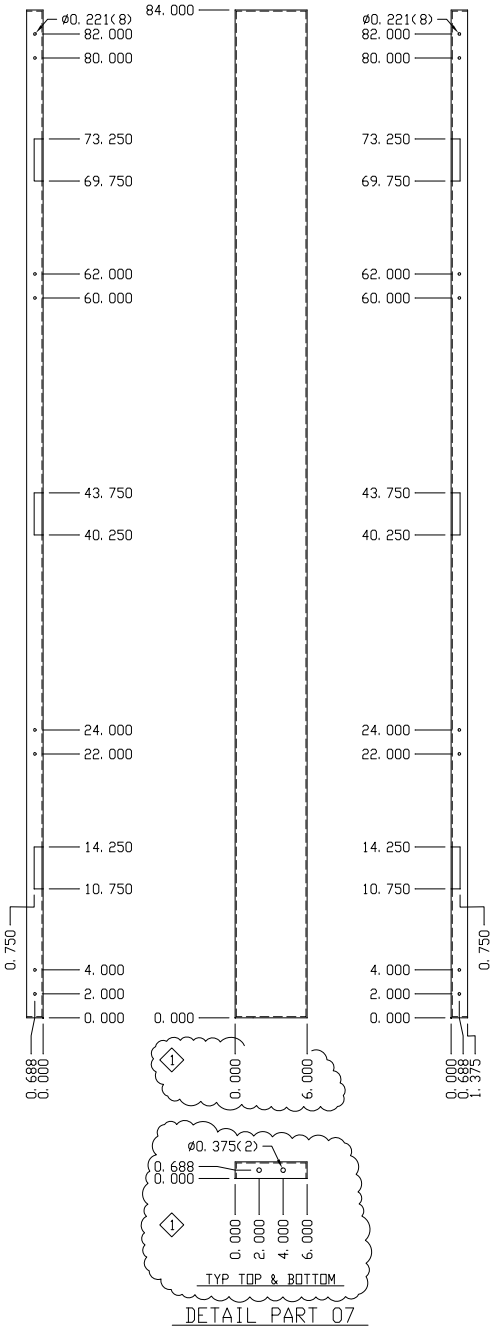
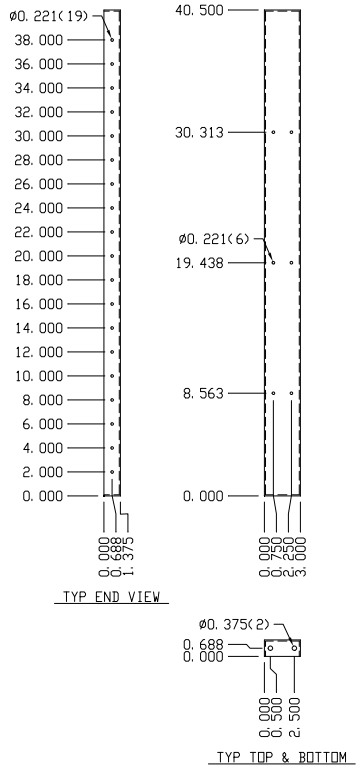
DETAIL PART 03 (AS SHOWN)
DETAIL PART 04 (OPP HAND)



DETAIL PART 05



DETAIL PART 06

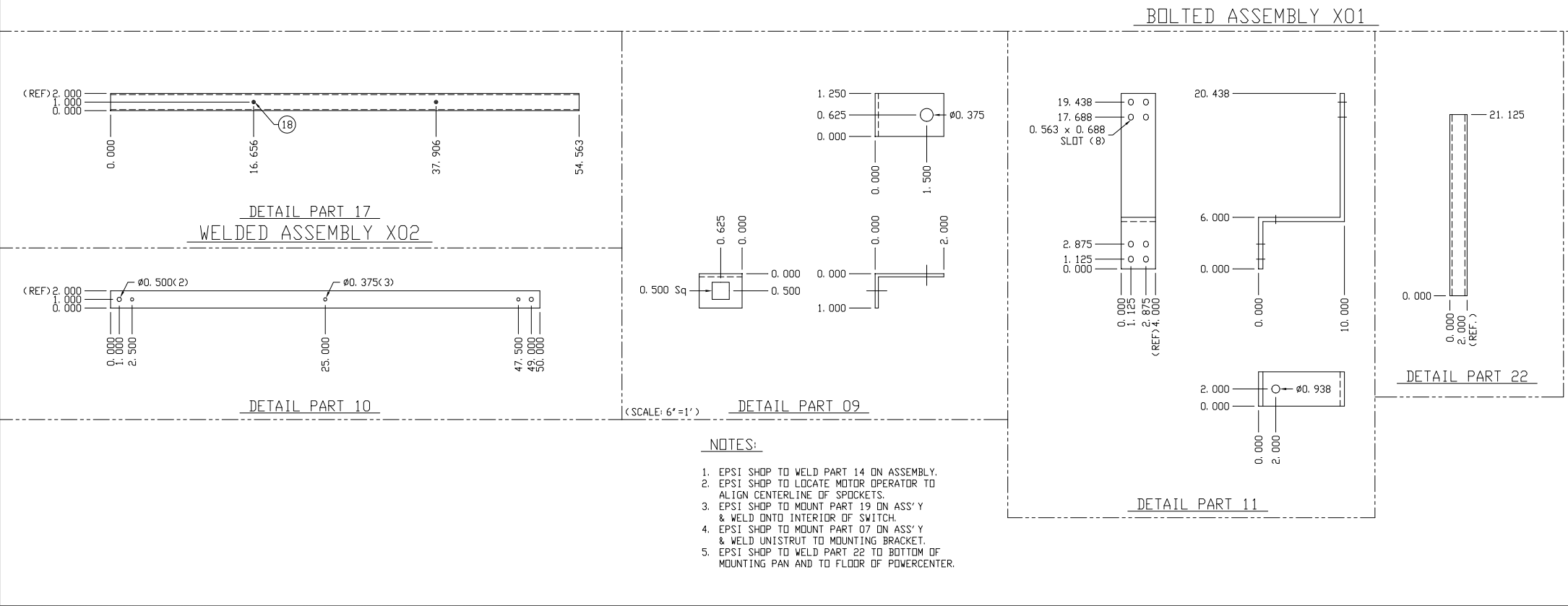
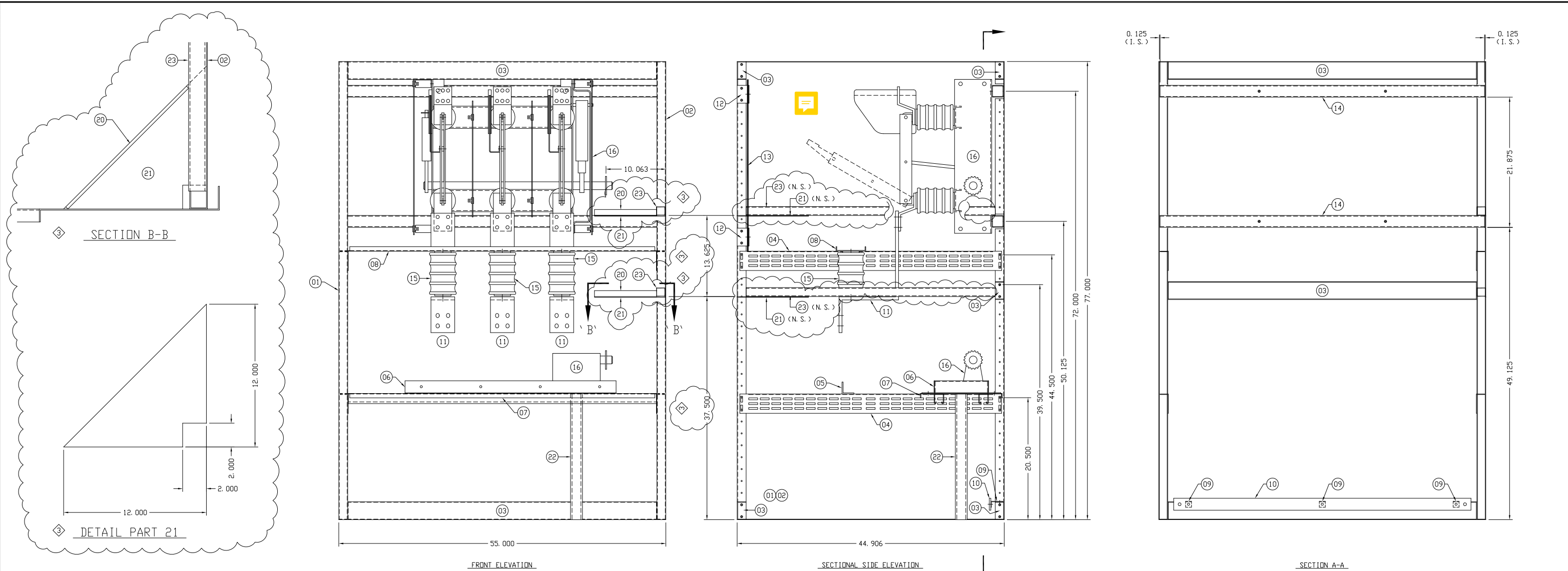


DETAIL PART 07

1	07	A701200000	12 Ga STEEL HRPD	CENTER POST, FRONT
1	06	A701200000	12 Ga STEEL HRPD	CENTER POST, REAR
1	05	A701200000	12 Ga STEEL HRPD	CROSS BRACE
1	04	A701200000	12 Ga STEEL HRPD	REAR SECTION, RH
1	03	A701200000	12 Ga STEEL HRPD	REAR SECTION, LH
1	02	A701200000	12 Ga STEEL HRPD	FRONT SECTION, RH
1	01	A701200000	12 Ga STEEL HRPD	FRONT SECTION, LH
QTY	PART	PART NO.	MATERIAL	DESCRIPTION

BILL OF MATERIAL

ENGR	DATE	REV	SCALE	DETAILS
JESS	02/15/00	R1	1 1/2" = 1'-0"	SIDE PANELS FOR VT COMTARTMENT
			CLASS	FINISH: PER SHOP ORDER ASS'Y
			BR	
			CK	
			TCB	
			LDL	
			DATE APPD	
			12/29/99	



<div><div>3</div><div>3</div><div>3</div><div>3</div></div>		2	1	23	1 1/2 X 1 1/2 X 1/8 STEEL TUBING	41.875' LONG	
		1	1	22	SEE NOTE 5	2x2x1/4 SQ. TUBING	21.125' LONG
		2	1	21	A701200000	12 Ga STEEL HRPD	GUSSET
		2	1	20		1/4 X 1 STEEL BAR	GUSSET
					19		
		2		1	18		1/2-13 x 1.500 WELD STUD
		1		1	17		2 x 2 x 0.125 Sq TUBING
		1	1	16	S. D. ITEM 127		LOAD BREAK SWITCH
		3	1	15	PE3255P05		14.4 KV PORCELAIN INSULATOR
		2	1	14	405100D26X02		MOUNTING TUBE ASS'Y
		1	1	13	405100D27X01		EXPANED METAL BARRIER ASS'Y
		4	1	12	405100D27P09		MOUNTING ANGLE
		3	1	11	A28505040	1/2 x 4.000 RE CU	LOAD RUNBACK
		1	1	10	A28502520	1/4 x 2.000 RE CU	GROUND BUS
		3	1	09	A701200000	12 Ga STEEL HRPD	GROUND BUS MOUNTING ANGLE
		1	1	08	405100D27P08		INSULATOR MOUNTING CHANNEL
		1	1	07	405100D27X02		MOTOR OPERATOR MOUNTING PAN
		2	1	06	405100D27P06		MOTOR OPERATOR MOUNTING ANGLE
		1	1	05	405100D27P05		CABLE TIE BAR
		4	1	04	405100D27P04		UNIVERSAL MOUNTING BRACKET
	5	1	03	405100D27P03		CROSS BRACE	
	1	1	02	405100D27P02		COMPARTMENT SIDE SHEET RH	
	1	1	01	405100D27P01		COMPARTMENT SIDE SHEET LH	
	QTY	QTY	QTY	PART	PART NO.	MATERIAL	DESCRIPTION

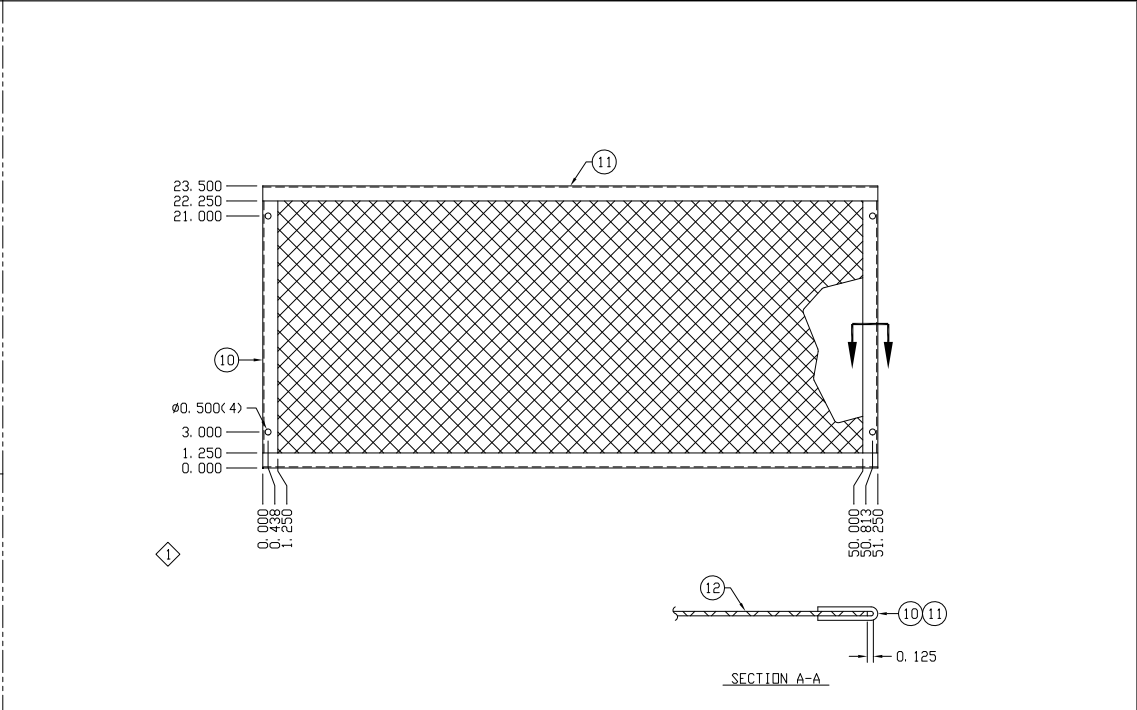
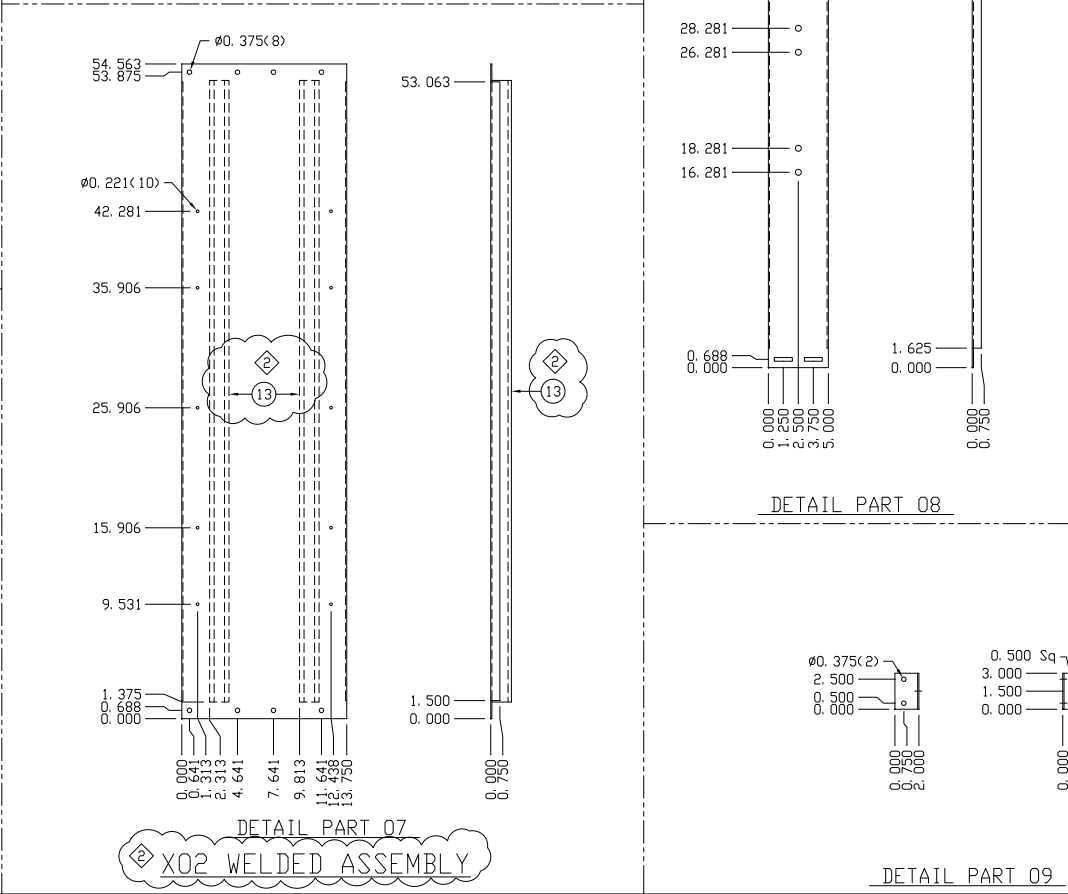
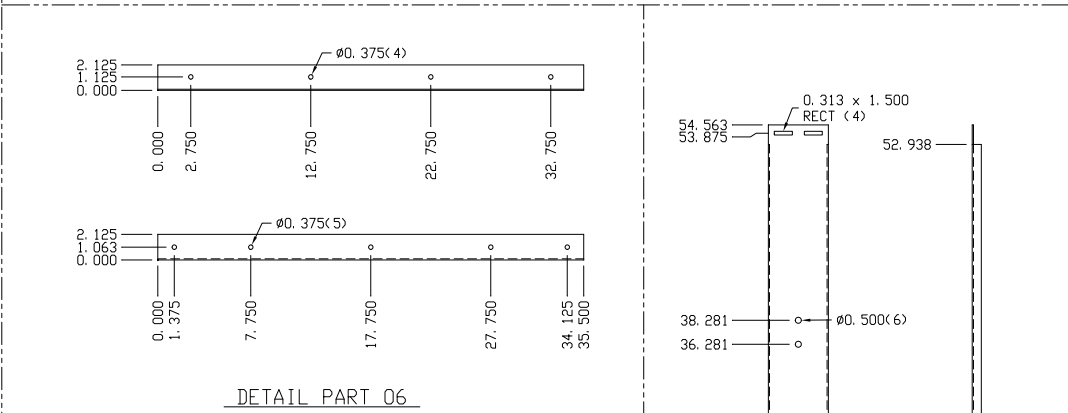
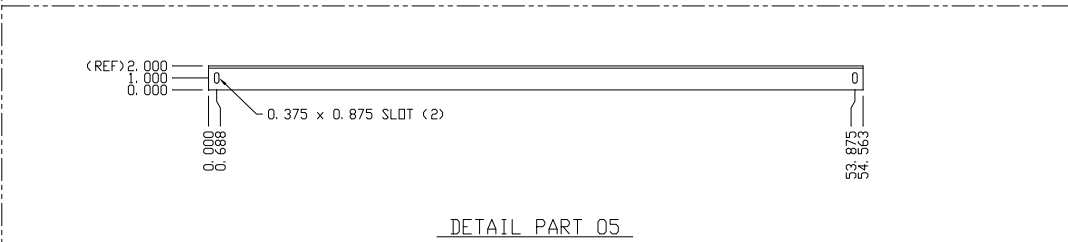
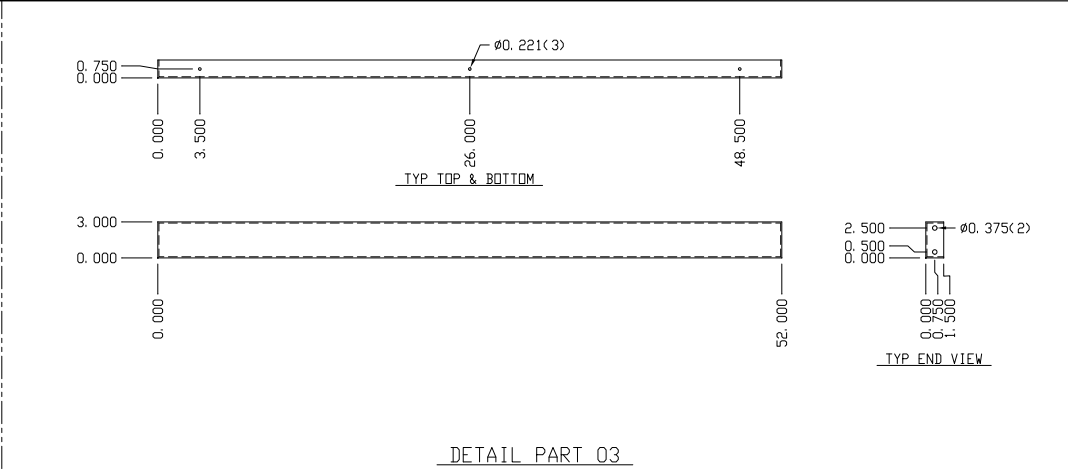
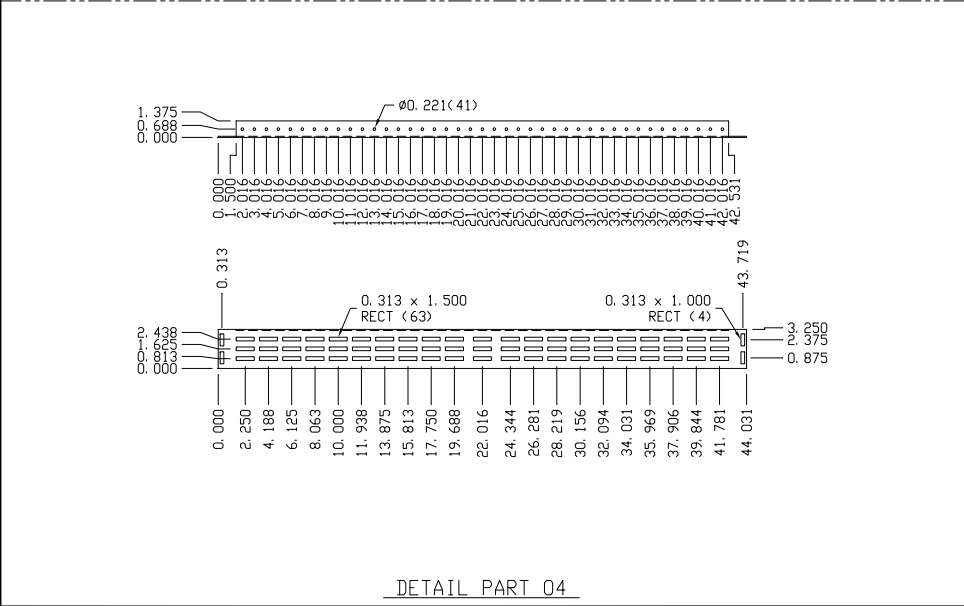
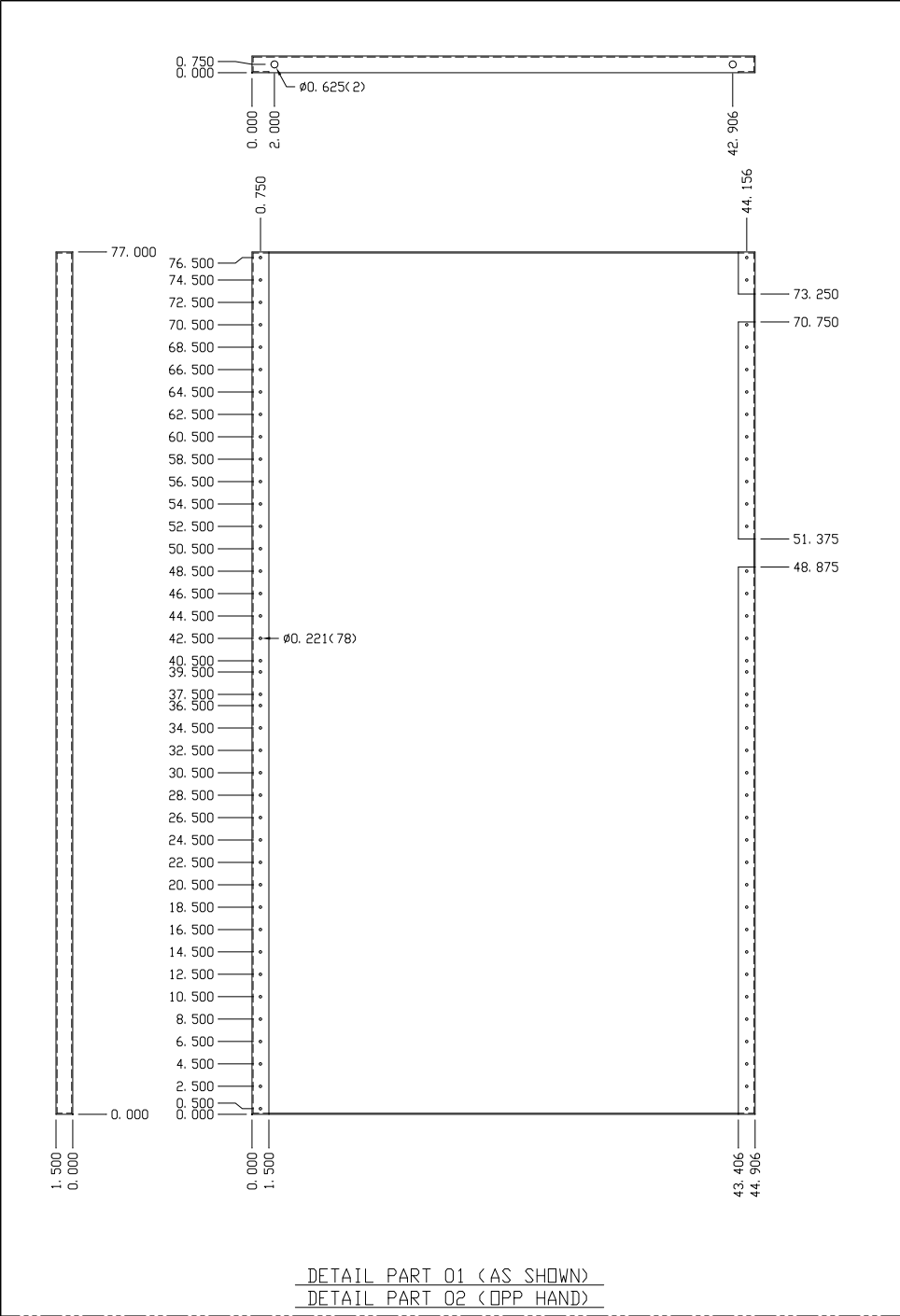
3

X02

X01

BILL OF MATERIAL

ENGR	JTR	REVISION DESCRIPTION	DATE	REV	SCALE: 1 1/2" = 1' - 0"	ASSEMBLY & DETAILS	
LDL	JESS	ADDITION OF X03 WELDED ASS'Y	02/24/00	R1	CLASS:	BOLTED ASSEMBLY & DETAILS FOR POWERCON	
LDL	DBJ	REVISED AS BUILT	03/03/00	R2	731F	SWITCH #577-09-A2-B1-3J-M0120VAC	
LFH	DBJ	DELETED X03 ASS'Y (PART 19); REVISED PARTS 20 & 21; ADDED PART 23.	01/16/01	R3	DR: JESS	STRUCTURE 55w x 44.906d x 77h	
					CR: TCB	FINISH: PER SHOP ORDER ASS'Y	
					APPR: LDL	<div><div>1</div><div>6747 S. 63th W. Ave. Tulsa, Oklahoma 74131</div></div>	SHOP ORDER No. AB-405-E100
					DATE APPR: 12/29/99		DWG No. 405-100-D26
						A Division of Central Electric Company	



DETAIL PARTS 10/11
WELDED ASSEMBLY X01

2		1	13		P1000T, UNISTRUT	51.8125' LONG
	1	1	12	A731200000	12 Ga STEEL Ex	EXPANDED METAL, 23.063 x 50.813
	2	1	11	A701200000	12 Ga STEEL HRPD	HEM, 51.250 Lg.
	2	1	10	A701200000	12 Ga STEEL HRPD	HEM, 21.000 Lg.
		1	09	A701200000	12 Ga STEEL HRPD	MOUNTING ANGLE
		1	08	A701200000	12 Ga STEEL HRPD	INSULATOR MOUNTING CHANNEL
1		1	07	A701200000	12 Ga STEEL HRPD	MOTOR OPERATOR MOUNTING PAN
		1	06	A701200000	12 Ga STEEL HRPD	MOTOR OPERATOR MOUNTING ANGLE
		1	05	A50420180	2 x 2 GLASTIC ANGLE	CABLE TIE BAR
		1	04	A701200000	12 Ga STEEL HRPD	UNIVERSAL MOUNTING BRACKET
		1	03	A701200000	12 Ga STEEL HRPD	CROSS BRACE
		1	02	A701200000	12 Ga STEEL HRPD	COMPARTMENT SIDE SHEET RH
		1	01	A701200000	12 Ga STEEL HRPD	COMPARTMENT SIDE SHEET LH
QTY	QTY	QTY	PART	PART NO.	MATERIAL	DESCRIPTION
X02	X01					

BILL OF MATERIAL

ENGR	DTFR	REVISION DESCRIPTION	DATE	REV	SCALE:	DETAILS
LDL	JESS	REVISED WELDED ASSEMBLY X01	02/25/00	R1	1 1/2" = 1' - 0"	
	DBJ	ADDED PART	03/06/00	R2	CLASS:	
					731F	
				BR	JESS	
				CK	TCB	
				APPD	LDL	
				DATE APPD	12/29/99	



1. SIMILAR TO BB0814P01 EXCEPT 'X' TO BE 56.750
& 'Y' TO BE 42.500.
2. SIMILAR TO BA3120P01 EXCEPT 'X' TO BE 39.000
3. SIMILAR TO DD1132P01 EXCEPT 'X' TO BE 39.547




4		1	12			3/8-16 WELD STUD
2		1	11			3/8-16 WELD NUT
2		1	10	SEE NOTE 2		CHANNEL
1		1	09	A711200000	12 Ga STEEL (Zn)	WALL PANEL
	1	1	08	DD1161X03		HANDLE INTERLOCK COVER
	1	1	07	DC1556P02		DOOR INTERLOCK SPACER
	1	1	06	DC1556P01		DOOR INTERLOCK MOUNTING PLATE
	1	1	05	SEE NOTE 3		CROSS BRACE
	1	1	04	405100D35X01		DOOR, LOWER
	1	1	03	405100D36X01		DOOR, UPPER
	1	1	02	SEE NOTE 1		LINER
	1	1	01	405100D28X02		WALL PANEL WELDED ASSEMBLY
QTY	QTY	QTY	PART	PART NO.	MATERIAL	DESCRIPTION

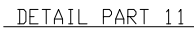
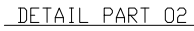
x02	x01
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BILL OF MATERIAL




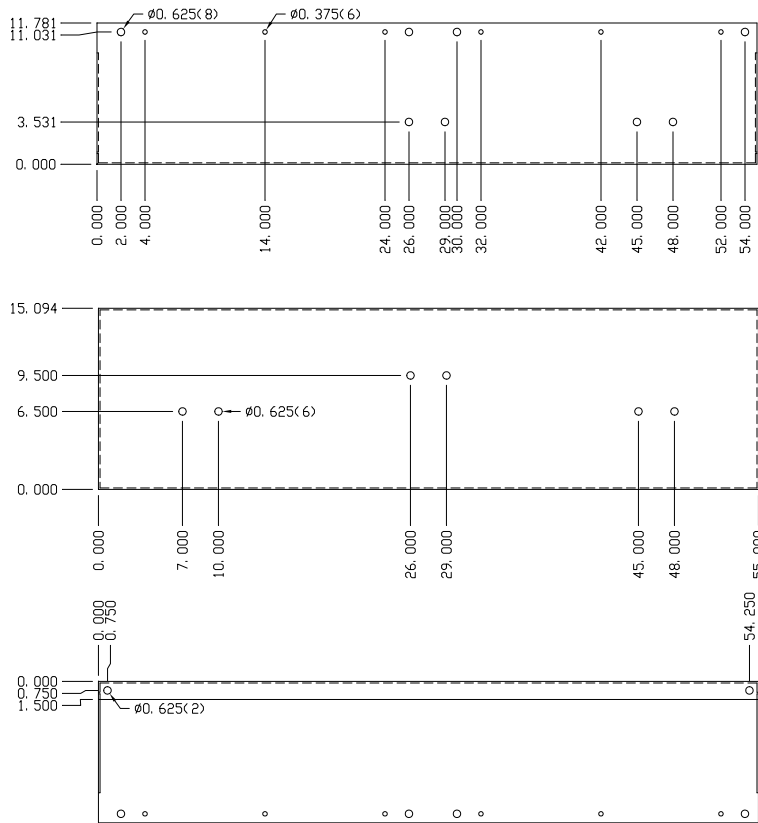
BOLTED ASSEMBLY X01

ENGR	DATE	REVISION DESCRIPTION	DATE	REV	SCALE		
LDL	JESS	REVISED P09, X01, X02 & NOTE 1	01/26/00	R1	1 1/2" = 1' - 0"	ASSEMBLY	
LDL	DBJ	REVISED PER FABRICATION OF DETAILS	03/03/00	R2	CLASS: 1045A	EXTERIOR DOOR FOR CI 731 SWITCH 120" INTERIOR / 3" THICK WALL	
LDL	DN	56.750 WAS 55.960.	12/15/00	R3	OK:	JESS	FINISH: PER SHOP ORDER ASS'Y
LDL	LPH	PART 09, 4.719 DIM WAS 3.219, 3.750 DIM WAS 2.250, 4.125 DIM WAS 2.625, DELETED (2) CENTER PUNCHES (SEE ASS'Y DELETED (2) OF PART 12) NOTE 3, 39.547 DIM WAS 41.049.	01/12/01	R4	TCB	APFD: LDL	SHOP ORDER No. AB-405-E100
						 8747 S. 45th W. Ave. Tulsa, Oklahoma 74131 A Division of Central Electric Company	DWG No. 405-100-D28
						DATE APP'D: 12/29/99	

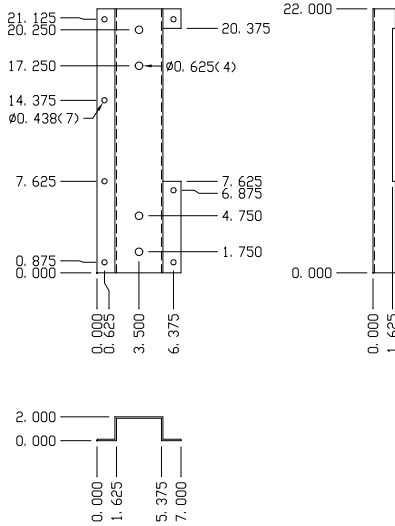


X01	BILL OF MATERIAL
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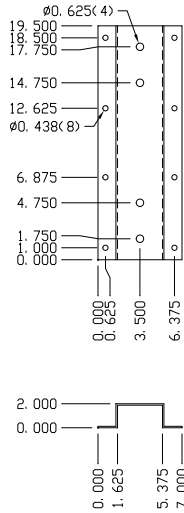
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JESS		ADDITION OF PART 12 & X01 ASS'Y	02/22/00	R1	1 1/2" = 1' - 0"		
					CLASS:	DETAILS FOR ISO PHASE COPPER ISO PHASE TO 731 SWITCH	
					DR:	FINISH: PER SHOP ORDER ASS'Y	
					CHK:		
					APPD:		
					L DL		
					DATE APPD:		
					12/29/99		
					 6747 S. 65th W. Ave. Tulsa, Oklahoma 74131 A Division of Central Electric Company	SHOP ORDER No. AB-405-E100 DWG No. 405-100-D31	



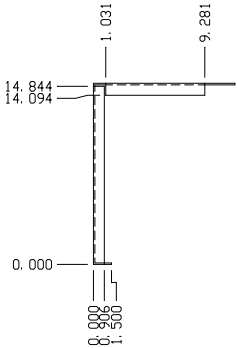
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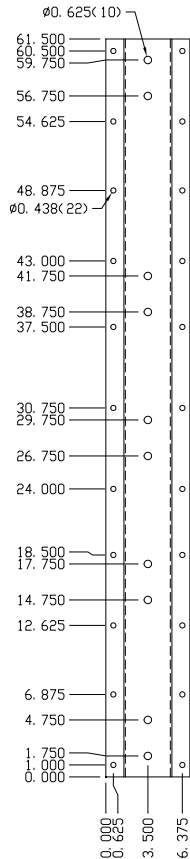
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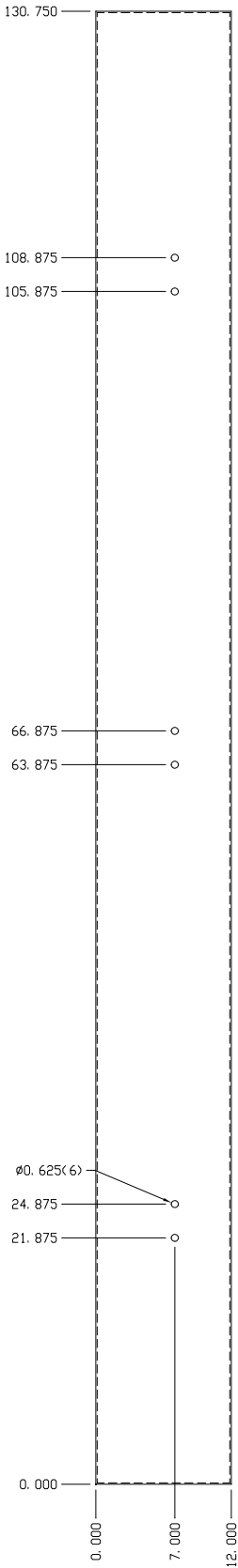
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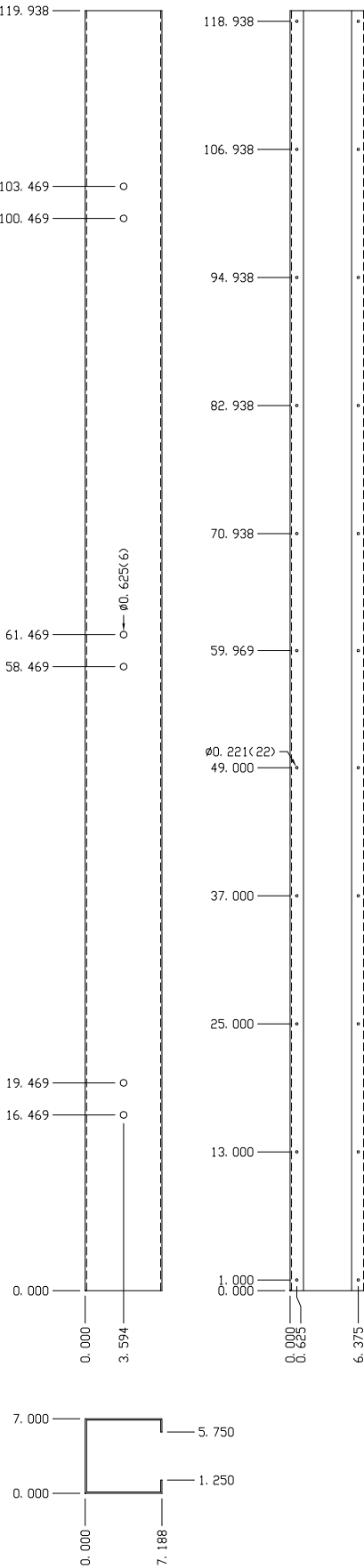
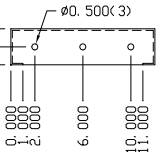
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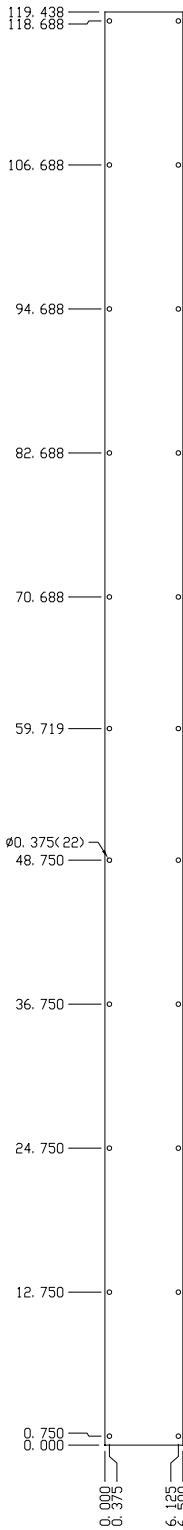
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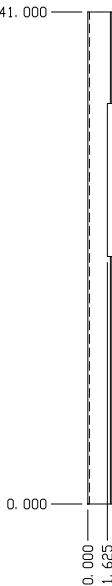
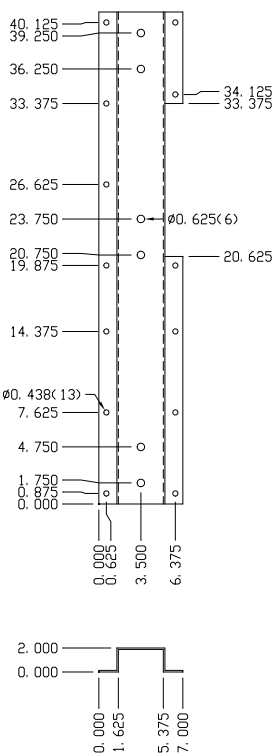
DETAIL PART 06



DETAIL PART 08



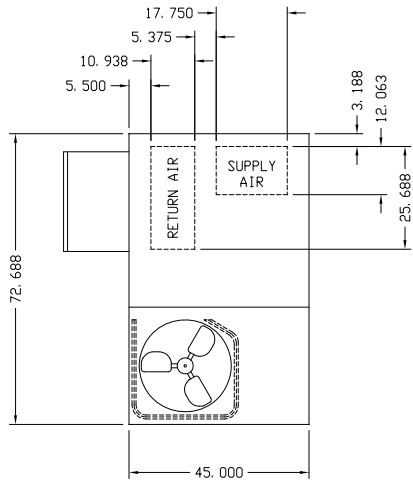
DETAIL PART 07



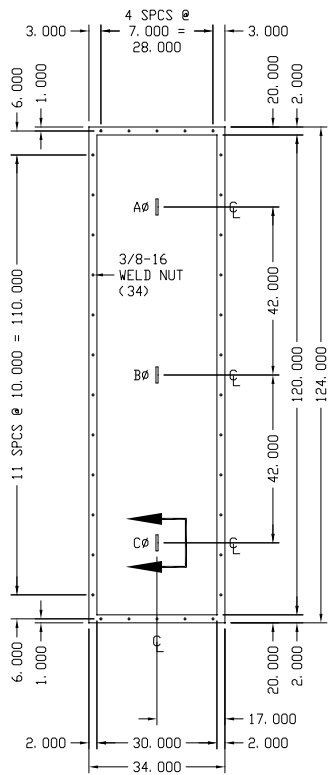
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1	07	A701200000	12 Ga. STEEL HRPD	COVER PLATE
1	06	A701100000	11 Ga. STEEL HRPD	INSULATOR PAN
1	05	A701100000	11 Ga. STEEL HRPD	INSULATOR PAN Cø
1	04	A701100000	11 Ga. STEEL HRPD	INSULATOR PAN Cø
1	03	A701100000	11 Ga. STEEL HRPD	INSULATOR PAN Bø
1	02	A701100000	11 Ga. STEEL HRPD	INSULATOR PAN Bø
1	01	A701100000	11 Ga. STEEL HRPD	INSULATOR PAN, SWITCH
QTY	PART	PART NO.	MATERIAL	DESCRIPTION

BILL OF MATERIAL

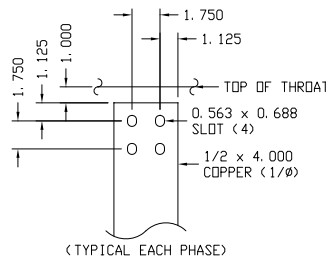
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					1 1/2" = 1' - 0"	1045A		JESS			DETAILS FOR INSULATOR PANS ISO PHASE TO 731 SWITCH	
											FINISH: PER SHOP ORDER ASS'Y	
											SHEP ORDER No. AB-405-E100	
											TWC No. 405-100-D32	



A/C DETAIL

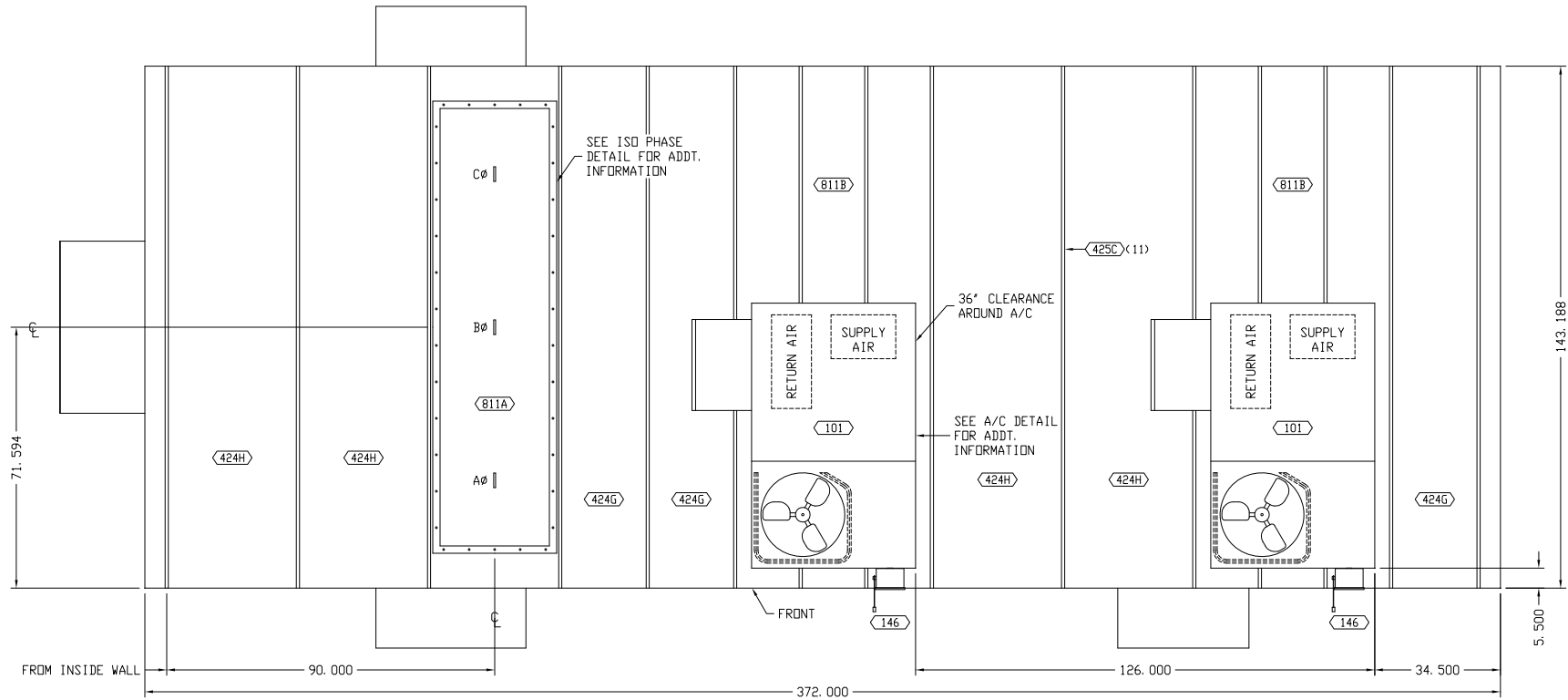


ISO PHASE DETAIL

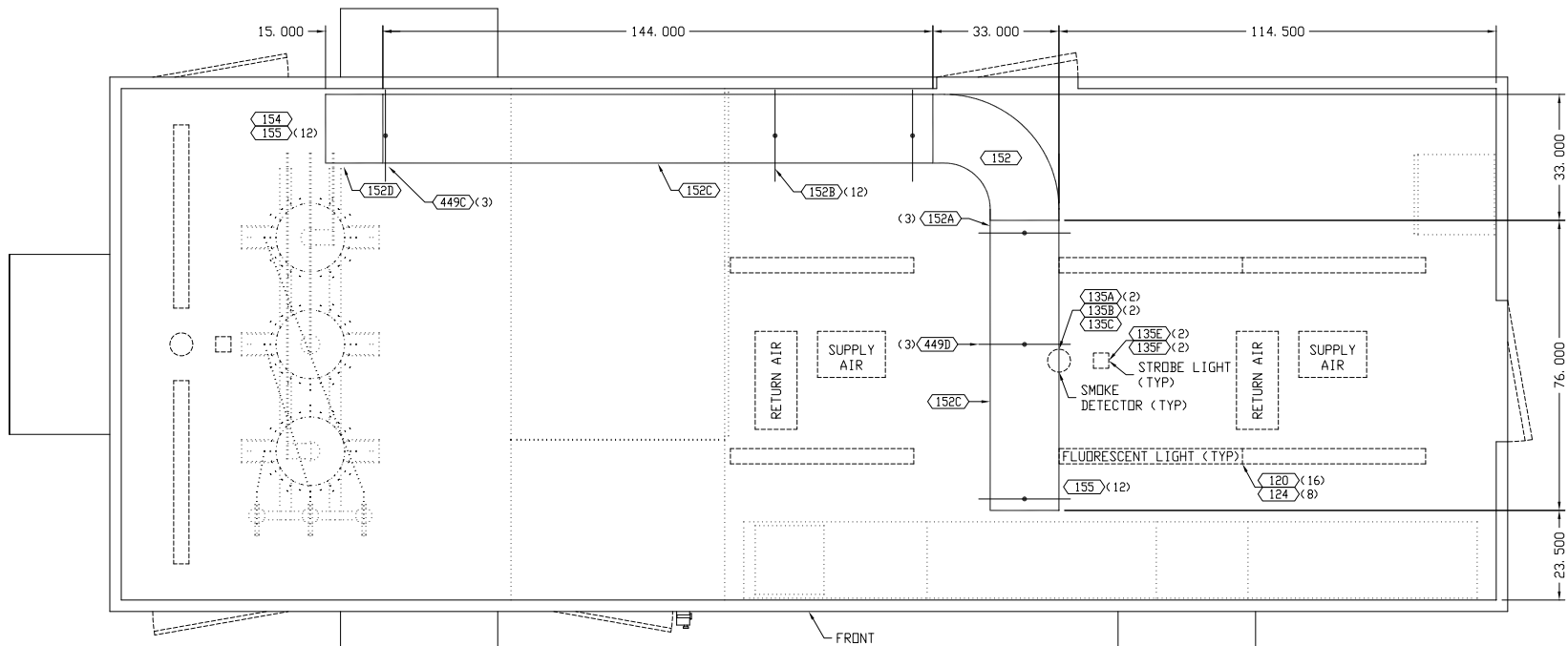


SECTION VIEW G-G

(SCALE: 3"=1')



ROOF LAYOUT



CABLE TRAY LAYOUT

NOTES:

1. ESTIMATED SHIPPING & OPERATING WEIGHT - 52,000#
2. FINISH - EXTERIOR - DESERT TAN AMERON AMERSHIELD POLYURETHANE PER SPEC F800.100
INTERIOR - WHITE AMERON AMERCODE ACRYLIC PER SPEC F800.101
BASE - MASTIC UNDERCOAT PER SPEC F800.031
FLOOR - GRAY POLYURETHANE NON - SKID
3. INSULATE ROOF PER DWG BC1341X06, EXTERIOR WALL PER DWG BB0674X06, & BASE PER DWG BC1361X04.
4. INSTALL #4/D PERIMETER GROUND, CONNECTING TO EXTERNAL GROUND PADS WITH THROUGH WALL PENETRATIONS. CONNECT CABLE TRAYS, ALL CASE GROUNDS AND EACH END OF EQUIPMENT GROUND BUS TO PERIMETER GROUND.
5. INDICATES BILL OF MATERIAL ITEM.
6. COM GROUND TO BE #6 AWG WIRE.
7. SPECIFIED CONDUIT - "EMT".


ENGR	DATE	REVISION DESCRIPTION	DATE	REV	SCALE:	CLASS	ASSEMBLY - ROOF / CABLE TRAY LAYOUT
LDL	JESS	REVISED PER CUSTOMER COMMENTS	09/20/99	10/06/99	R1	1/2" = 1'-0"	GE CUSTOMER: JEA
LDL	JESS	REVISED PER FABRICATION OF DETAILS	01/03/00	R2	1045A		SITE NAME: JEA-BRANDY BRANCH BALDWIN, FLORIDA
LDL	JESS	REVISED PER CUSTOMER COMMENTS	01/07/00	01/29/00	R3		ORDERING DRAWING#: 510C9033S-F911 (GT DM GR0491)
LDL	JESS	REVISED CABLE TRAY DIM 92.000 TO 93.500	02/22/00	R4	JESS		MLI# A089 / TAG: GEC-JEA-1,2,3
LDL	JESS	REVISED CABLE TRAY DIM 93.500 TO 76.000	02/24/00	R5			GENERAL ELECTRIC SCHENECTADY - GEC
LDL	DBJ	REVISED QUANT. OF ITEMS 449C, 449D	11/15/00	R6	CRP		P. D. # A88J018524
LDL	TCB	F1	01/17/01	R7	DJR		SHOP ORDER No. AB-405-E100-300
					DATE APPD: 09/24/99		TWC No. 405-100-M02




1. ESTIMATED SHIPPING & OPERATING WEIGHT - 52,000#
2. FINISH - EXTERIOR - DESERT TAN AMERON AMERSHIELD POLYURETHANE PER SPEC F800. 100
INTERIOR - WHITE AMERON AMERCOTE ACRYLIC PER SPEC F800. 101
BASE - MASTIC UNDERCOAT PER SPEC F800. 031
FLOOR - GRAY POLYURETHANE NON - SKID
3. INSULATE ROOF PER DWG BC1341X06, EXTERIOR WALL PER DWG B80674X06,
& BASE PER DWG BC1361X04.
4. INSTALL #4/0 PERIMETER GROUND, CONNECTING TO EXTERNAL GROUND
PADS WITH THROUGH WALL PENETRATIONS. CONNECT CABLE TRAYS, ALL CASE
GROUNDS AND EACH END OF EQUIPMENT GROUND BUS TO PERIMETER GROUND.
5. INDICATES BILL OF MATERIAL ITEM.
6. COM GROUND TO BE #6 AWG WIRE.
7. SPECIFIED CONDUIT - 'EMT'.
8. FOR VIEWS E-E & F-F SEE DRAWING 405-100-M03.

CERTIFIED AS BUILT

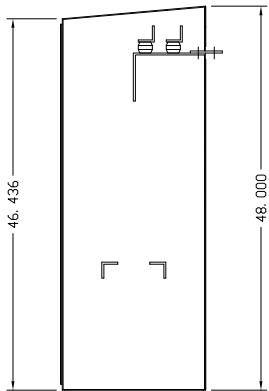
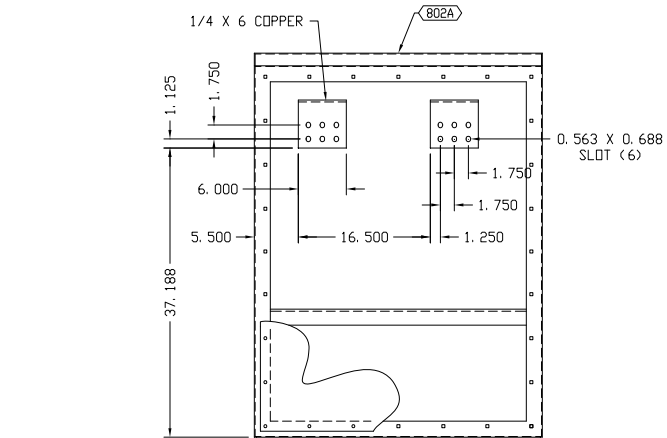
ENGR	DTR	REVISION DESCRIPTION	DATE	REV	SCALE: 1/2" = 1' - 0"	ASSEMBLY-PLAN VIEW/FOUNDATION LAYOUT GE CUSTOMER: JEA SITE NAME: JEA-BRANDY BRANCH/BALDWIN, FLORIDA ORDERING DRAWING: 510C9033S-F911 (GT DM GR0491) DLI# A089 / TAG: GEC-JEA-1,2,3
LRL	JESS	REVISED PER CUSTOMER COMMENTS 09/20/99	10/06/99	R1	CLASS	
LRL	JESS	REVISED PER FABRICATION OF DETAILS	12/28/99	R2		
LRL	JESS	REVISED PER CUSTOMER COMMENTS 01/07/00	01/29/00	R3	DR: 1045A	
LRL	JESS	REVISED PER ADDITION OF 420/16	02/11/00	R4		
LRL	JESS	REVISED PER ADDITION OF #21A	02/25/00	R5	CR:	
LRL	JSS	AS-BUILT	03/02/00	R6	CRP	
LRL	DBJ	REVISED PER CHANGES IN DETAILS	11/15/00	R7	APPD:	
LRL	TCB	FINAL AS-BUILT	01/17/01	R8	DJR	
				DATE APPD:	09/24/99	



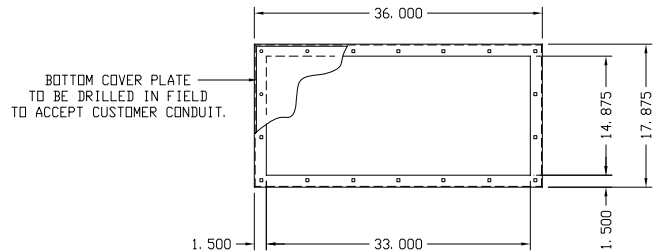
Electrical Power Systems, Inc.
8747 S. 85th W. Ave.
Tulsa, Oklahoma 74131

A Division of Central Electric Company 

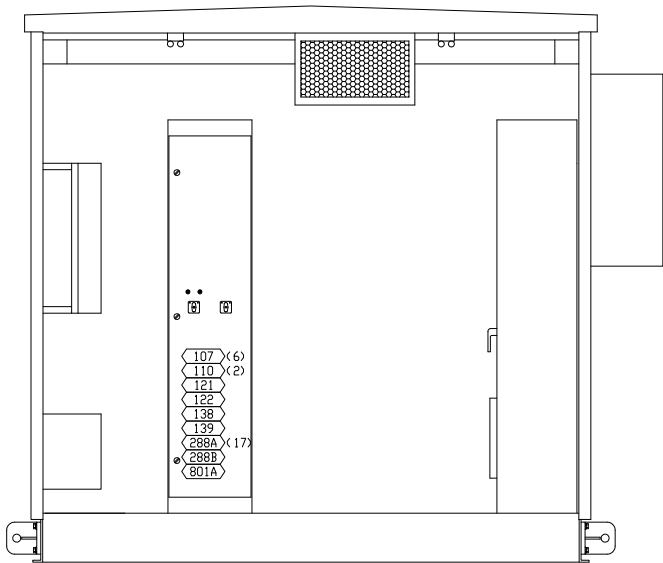
SHIP ORDER NO: AB-405-E100-300
DWG NO: 405-100-M03



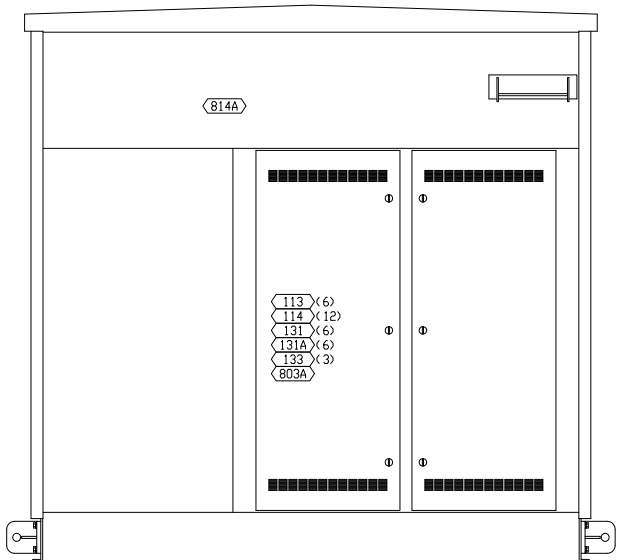
SECTIONAL SIDE VIEW



CABLE BOX DETAIL



VIEW D-D

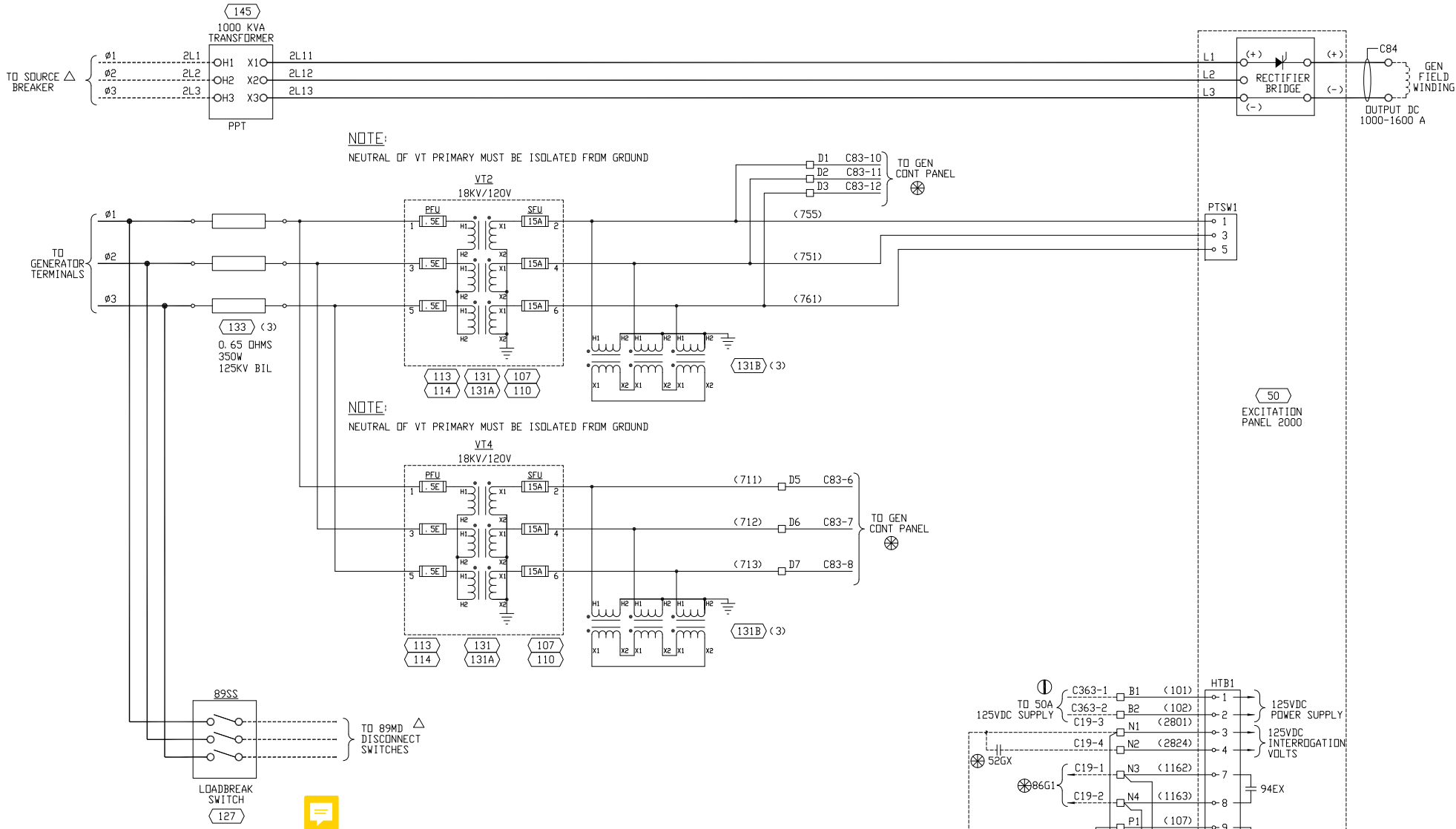


VIEW C-C

NOTES:

- ESTIMATED SHIPPING & OPERATING WEIGHT - 52,000#
- FINISH - EXTERIOR - DESERT TAN AMERON AMERSHIELD POLYURETHANE PER SPEC F800.100
INTERIOR - WHITE AMERON AMERCOTE ACRYLIC PER SPEC F800.101
BASE - MASTIC UNDERCOAT PER SPEC F800.031
FLOOR - GRAY POLYURETHANE NON - SKID
- INSULATE ROOF PER DWG BC1341X06, EXTERIOR WALL PER DWG BB0674X06, & BASE PER DWG BC1361X04.
- INSTALL #4/D PERIMETER GROUND, CONNECTING TO EXTERNAL GROUND PADS WITH THROUGH WALL PENETRATIONS. CONNECT CABLE TRAYS, ALL CASE GROUNDS AND EACH END OF EQUIPMENT GROUND BUS TO PERIMETER GROUND.
- INDICATES BILL OF MATERIAL ITEM.
- CDM GROUND TO BE #6 AWG WIRE.
- SPECIFIED CONDUIT - 'EMT'.

ENGR	DTTR	REVISION DESCRIPTION	DATE	REV	SCALE:	ASSEMBLY - POWERCENTER MISC. VIEWS	
LDL	JESS	REVISED PER CUSTOMER COMMENTS 09/20/99	10/06/99	R1	1/2" = 1'-0"		
LDL	JESS	REVISED PER CUSTOMER COMMENTS 01/07/00	01/29/00	R2	CLASS:	GE CUSTOMER: JEA SITE NAME: JEA-BRANDY BRANCH BALDWIN, FLORIDA ORDERING DWG#: 510C9033S-F911 (GT DM GR0491) MLI# A089 / TAG: GEC-JEA-1,2,3	
LDL	JESS	REVISED VIEW D-D	03/02/00	R3	DR:		
LDL	DBJ	REVISED VIEW C-C	11/15/00	R4	JESS	GENERAL ELECTRIC SCHENECTADY - GEC	
LDL	TCB	FINAL AS-BUILT	01/17/01	R5	CRP		
					APPD:	P. D. # A88J018524 SHIP ORDER No. AB-405-E100-300	
					DATE APPD:		
					09/24/99	405-100-M04	

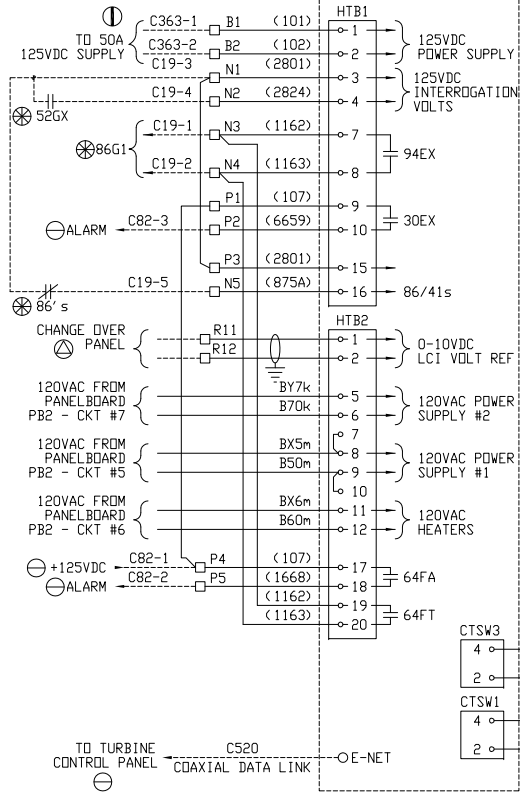


NOTES:

- 1) WIRING TO BE INSTALLED PER EPSI WIRE GUIDE, AND WIRE SIZE CODING CHART UNLESS OTHERWISE NOTED.
- 2) WRAP TYPE WIRE MARKERS REQUIRED.
- 3) USE SPADE TYPE TERMINALS WITHIN MCC BUCKETS AS REQUIRED. USE INSULATED LOCKING FORK TERMINALS ONLY ON INTERCONNECTS
- 4) CONNECT EACH END OF EACH EQUIPMENT GROUND BUS, CABLE TRAYS AND CASE GROUNDS TO #4/0 GREEN INSULATED PERIMETER GROUND BUS. CONNECT PERIMETER GROUND TO POWERCENTER GROUND PADS USING THROUGH WALL PENETRATIONS.
- 5) ALL CONDUIT SHALL BE EMT.
- 6) WIRE COLOR CODE: HOT = BLACK, NEUTRAL =WHITE, GROUND = GREEN
- 7) () - INDICATES BILL OF MATERIAL ITEM NUMBER.
- 8) FIRE DETECTOR WIRING SHALL BE RAN SEPARATE FROM ALL OTHER WIRING.

KEY EXTERNAL DEVICES

- ⊖ TCP-TURBINE CONTROL PANEL
- ⊗ GPP-GENERATOR PROTECTION PANEL
- Ⓜ MOTOR CONTROL CENTER (MCC)
- Ⓜ GENERATOR TERMINAL ENCLOSURE
- Ⓜ GE SUPPLIED EQUIPMENT MOUNTED SEPARATE FROM PACKAGE
- Ⓜ CUSTOMER SUPPLIED EQUIPMENT



WIRE SIZE CODING CHART

- 1) THE LAST LOWER CASE LETTER OF A WIRE NUMBER INDICATES WIRE SIZE (SEE CHART).
- 2) IF THERE IS A NUMBER AFTER THE LOWER CASE LETTER, IT INDICATES CONDUCTOR QUANTITY.
- 3) THE WIRE SIZE CODING WILL NOT BE PRINTED ON WIRE LABEL WHEN LABELING WIRE WITH WIRE NO.

WIRE SIZE	CODE LETTER	MULTI-CONDUCTOR CABLE SIZE	CODE LETTER
4/0	b	#14 (2) COND SHLD	a2
2/0	c	#14 (3) COND SHLD	a3
1/0	d	#16 (2) COND SHLD	v2
#2	e	#16 (3) COND SHLD	v3
2-#6	f2	#16 (4) COND SHLD	v4
#6	f	#18 (2) COND SHLD	s2
#8	h	#18 (3) COND SHLD	s3
#10	k	#18 (4) COND SHLD	s4
#12	m	#20 (2) COND SHLD	t2
#14	n	#20 (3) COND SHLD	t3
#16	p	#22 (2) COND SHLD	u2
#18	r	#22 (3) COND SHLD	u3

REVISED: 03/30/98


EPSI WIRE GUIDE

CONTROLS (MCC BUCKETS) - SIS - #14 AWG MIN.
LIGHTS/RECEPTACLES - THHN - #12 AWG MIN.
FIRE DETECTORS - XHHW - #16 AWG MIN.
POWER WIRING (INTERCONNECTS) - XHHW - #12 AWG MIN.
CT CIRCUITS - XHHW - #10 AWG MIN.

ENGR	DATE	REVISION DESCRIPTION	DATE	REV	SCALE
LDL	11/23/99	REVISE PER CUST REMARKS DATED 10/28/99	11/23/99	R1	NONE
LDL	12/02/99	REVISE PER CUST REMARKS DATED 11/29/99	12/02/99	R2	1045A
LDL	03/03/00	AS-BUILTS	03/03/00	R3	JLH
LDL	01/10/01	REVISE AC POWER WIRE LABELS	01/10/01	R4	TCC
LDL	01/17/01	FINAL AS-BUILT	01/17/01	R5	LDL

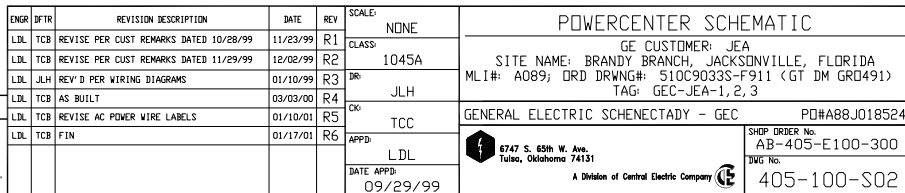
POWERCENTER SCHEMATIC	
GE CUSTOMER: JEA	
SITE NAME: BRANDY BRANCH, JACKSONVILLE, FLORIDA	
MLI#: A089; DRD DRWG#: 510C9033S-F911 (GT DM GRD491)	
TAG: GEC-JEA-1,2,3	
GENERAL ELECTRIC SCHENECTADY - GEC	
PO#A88J018524	
SHIP ORDER No. AB-405-E100-300	
TAG No. 405-100-S01	



- 1) WIRING TO BE INSTALLED PER EPSI WIRE GUIDE, AND WIRE SIZE CODING CHART UNLESS OTHERWISE NOTED.
- 2) WRAP TYPE WIRE MARKERS REQUIRED.
- 3) USE SPADE TYPE TERMINALS WITH MCC BUCKETS AS REQUIRED. USE INSULATED LOCKING FORK TERMINALS ONLY ON INTERCONNECTS
- 4) CONNECT EACH END OF EACH EQUIPMENT GROUND BUS, CABLE TRAYS AND CASE GROUNDS TO #4/0 GREEN INSULATED PERIMETER GROUND BUS. CONNECT PERIMETER GROUND TO POWERCENTER GROUND PADS USING THROUGH WALL PENETRATIONS.
- 5) ALL CONDUIT SHALL BE EMT.
- 6) WIRE COLOR CODE: HOT = BLACK, NEUTRAL = WHITE, GROUND = GREEN
- 7)  - INDICATES BILL OF MATERIAL ITEM NUMBER.
- 8) FIRE DETECTOR WIRING SHALL BE RAN SEPARATE FROM ALL OTHER WIRING.




- | | |
|---|---|
| ⊖ | TCP-TURBINE CONTROL PANEL |
| ⊗ | GPP-GENERATOR PROTECTION PANEL |
| Ⓜ | MOTOR CONTROL CENTER (MCC) |
| Ⓜ | GENERATOR TERMINAL ENCLOSURE |
| Ⓜ | GE SUPPLIED EQUIPMENT MOUNTED SEPARATE FROM PACKAGE |
| △ | CUSTOMER SUPPLIED EQUIPMENT |



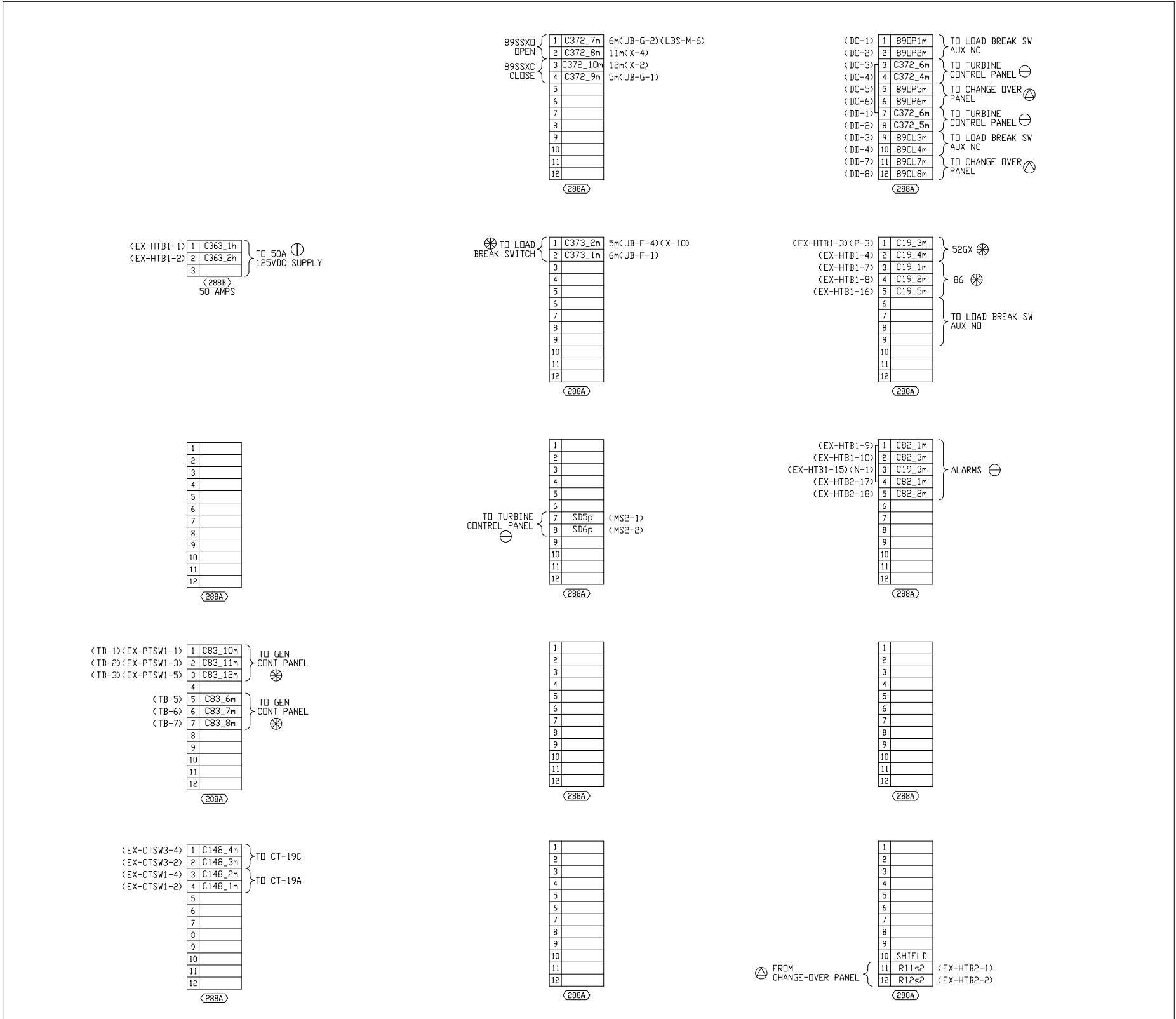
REVISÉ:
03/30/98

89SS CONTROL					
138		CAT NO 9524202B		POS	
DECK	CONTACTS HANDLE	END	DPEN	OFF	CLOSE
1	11		18	X	
	12		13		X
	15		14		
	16		17	X	X
2	21		28	X	
	22		23		X
	25		24	X	
	26		27		X

EPSI WIRE GUIDE	
CONTROLS (MCC BUCKETS) - SIS -	#14 AWG MIN.
LIGHTS/RECEPTACLES - THHN -	#12 AWG MIN.
FIRE DETECTORS - XHHW -	#16 AWG MIN.
POWER WIRING (INTERCONNECTS) -	XHHW - #12 AWG MIN.
CT CIRCUITS - XHHW -	#10 AWG MIN.


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LDL	TCB	REVISE PER CUST REMARKS DATE 10/28/99	11/23/99	R1	NONE		
					CLASS:	GE CUSTOMER: JEA	
LDL	TCB	REVISE PER CUST REMARKS DATE 10/28/99	12/02/99	R2	1045A	SITE NAME: BRANDY BRANCH, JACKSONVILLE, FLORIDA	
LDL	JLH	REV'D BY WIRING DIAGRAMS	01/10/00	R3	JR:	MLI#: A089; DRD DRWNG: 510C9033S-F911 (GT DM GRD491)	
LDL	TCB	AS-BUILTS	03/03/00	R4	JLH	TAG: GEC-JEA-1,2,3	
LDL	TCB	REVISE AC POWER WIRE LABELS	01/10/01	R5	OK:	GENERAL ELECTRIC SCHENECTADY - GEC	
LDL	TCB	FINAL	01/17/01	R6	APPD:	P0#A08J018524	
					LDL	 8747 S. 85th W. Ave. Tulsa, Oklahoma 74131 A Division of Central Electric Company	
					DATE APPD:	SHOP ORDER NO. AB-405-E100-300 DWG No. 405-100-S03	
					10/29/99		

WIRE SIZE CODING CHART			
1) THE LAST LOWER CASE LETTER OF A WIRE NUMBER INDICATES WIRE SIZE (SEE CHART).			
2) IF THERE IS A NUMBER AFTER THE LOWER CASE LETTER, IT INDICATES CONDUCTOR QUANTITY.			
3) THE WIRE SIZE CODING WILL NOT BE PRINTED ON WIRE LABEL WHEN LABELING WIRE WITH WIRE NO.			
WIRE SIZE	CODE LETTER	MULTI-CONDUCTOR CABLE SIZE	CODE LETTER
4/0	b	#14 (2) COND SHLD	a2
2/0	c	#14 (3) COND SHLD	a3
1/0	d	#16 (2) COND SHLD	v2
#2	e	#16 (3) COND SHLD	v3
2-#6	f2	#16 (4) COND SHLD	v4
#6	f	#18 (2) COND SHLD	s2
#8	h	#18 (3) COND SHLD	s3
#10	k	#18 (4) COND SHLD	s4
#12	m	#20 (2) COND SHLD	t2
#14	n	#20 (3) COND SHLD	t3
#16	p	#22 (2) COND SHLD	u2
#18	r	#22 (3) COND SHLD	u3
REVISED: 03/30/98			








JUNCTION BOX LAYOUT

NOTES:

- 1) WIRING TO BE INSTALLED PER EPSI WIRE GUIDE, AND WIRE SIZE CODING CHART UNLESS OTHERWISE NOTED.
- 2) SLEEVE TYPE WIRE MARKERS REQUIRED.
- 3) USE SPADE TYPE TERMINALS WITHIN MCC BUCKETS AS REQUIRED. USE INSULATED LOCKING FORK TERMINALS ONLY ON INTERCONNECTS
- 4) CONNECT EACH END OF EACH EQUIPMENT GROUND BUS, CABLE TRAYS AND CASE GROUNDS TO #4/0 GREEN INSULATED PERIMETER GROUND BUS. CONNECT PERIMETER GROUND TO POWERCENTER GROUND PADS USING THROUGH WALL PENETRATIONS.
- 5) ALL CONDUIT SHALL BE EMT.
- 6) WIRE COLOR CODE: HOT = BLACK, NEUTRAL = WHITE, GROUND = GREEN
- 7)  - INDICATES BILL OF MATERIAL ITEM NUMBER.
- 8) FIRE DETECTOR WIRING SHALL BE RAN SEPARATE FROM ALL OTHER WIRING.

KEY EXTERNAL DEVICES

-  TCP-TURBINE CONTROL PANEL
-  GPP-GENERATOR PROTECTION PANEL
-  MOTOR CONTROL CENTER (MCC)
-  GE SUPPLIED EQUIPMENT MOUNTED SEPARATE FROM PACKAGE
-  CUSTOMER SUPPLIED EQUIPMENT

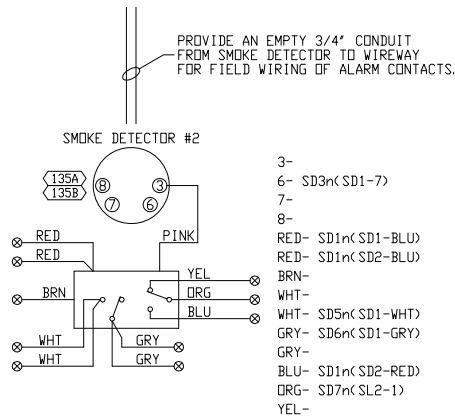
EPSI WIRE GUIDE	
CONTROLS (MCC BUCKETS) - SIS - #14 AWG MIN. LIGHTS/RECEPTACLES - THHN - #12 AWG MIN. FIRE DETECTORS - XHHW - #16 AWG MIN. POWER WIRING (INTERCONNECTS) - XHHW - #12 AWG MIN. CT CIRCUITS - XHHW - #10 AWG MIN.	

ENGR	DATE	REV	SCALE	POWERCENTER SCHEMATIC	
LDL	10/28/99	R1	NONE	GE CUSTOMER: JEA	
LDL	03/03/00	R2	CLASS	SITE NAME: BRANDY BRANCH, JACKSONVILLE, FLORIDA	
LDL	01/17/01	R3	DR	MLI#: A089; DRD DRWG#: 510C9033S-F911 (GT DM GRD491)	
				TAG: GEC-JEA-1,2,3	
				GENERAL ELECTRIC SCHENECTADY - GEC	
				PO#A88J018524	
				SHIP ORDER No. AB-405-E100-300	
				DWG No. 405-100-S04	
				DATE APP'D: 10/29/99	

CEILING

124
120
(2)

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2- B100m(ER3-4)<LT8-2>
G- BG10m(ER3-G)<LT8-G>



135E
135F

1- SD7n(SL1-1)<SD2-ORG>
2- SD2n(SL1-2)

124
120
(2)

1- LT3m(LT7-1)
2- B100m(LT7-2)
G- BG10m(LT7-G)

124
120
(2)

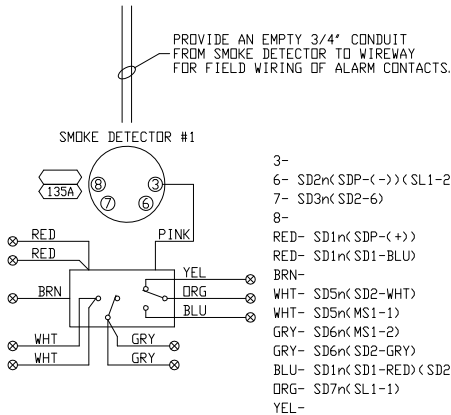
1- LT6m(LT5-1)
2- B100m(LT5-2)
G- BG10m(LT5-G)

124
120
(2)

1- LT6m(LT4-1)<LT6-1>
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G- BG10m(LT4-G)<LT6-G>

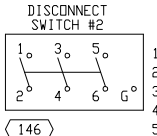
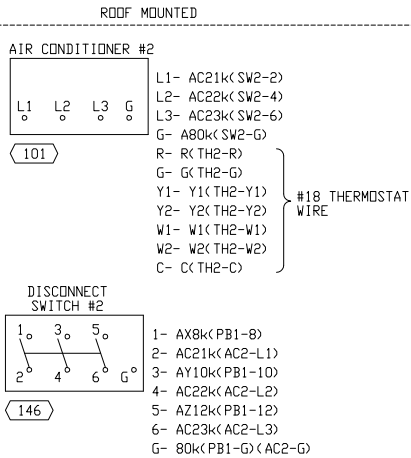
124
120
(2)

1- LT6m(LT3-1)<LT5-1>
2- B100m(LT3-2)<LT5-2>
G- BG10m(LT3-G)<LT5-G>



135E
135F

1- SD7n(SD1-ORG)<SL2-1>
2- SD2n(SD1-6)<SL2-2>



1- AX8k(PB1-8)
2- AC21k(AC2-L1)
3- AY10k(PB1-10)
4- AC22k(AC2-L2)
5- AZ12k(PB1-12)
6- AC23k(AC2-L3)
G- 80k(PB1-G)<AC2-G>

124
120
(2)

1- LT6m(LT2-1)<LT4-1>
2- B100m(LT2-2)<LT4-2>
G- BG10m(LT2-G)<LT4-G>

124
120
(2)

1- LT6m(LT1-1)<LT3-1>
2- B100m(LT1-2)<LT3-2>
G- BG10m(LT1-G)<LT3-G>

124
120
(2)

1- LT6m(LS4-1)<LT2-1>
2- B100m(LT2-2)<PB2-N>
G- BG10m(LT2-G)<PB2-G>

WIRE SIZE CODING CHART

- THE LAST LOWER CASE LETTER OF A WIRE NUMBER INDICATES WIRE SIZE (SEE CHART).
- IF THERE IS A NUMBER AFTER THE LOWER CASE LETTER, IT INDICATES CONDUCTOR QUANTITY.
- THE WIRE SIZE CODING WILL NOT BE PRINTED ON WIRE LABEL WHEN LABELING WIRE WITH WIRE NO.

WIRE SIZE	CODE LETTER	MULTI-CONDUCTOR CABLE SIZE	CODE LETTER
4/0	b	#14 (2) COND SHLD	a2
2/0	c	#14 (3) COND SHLD	a3
1/0	d	#16 (2) COND SHLD	v2
#2	e	#16 (3) COND SHLD	v3
2-#6	f2	#16 (4) COND SHLD	v4
#6	f	#18 (2) COND SHLD	s2
#8	h	#18 (3) COND SHLD	s3
#10	k	#18 (4) COND SHLD	s4
#12	m	#20 (2) COND SHLD	t2
#14	n	#20 (3) COND SHLD	t3
#16	p	#22 (2) COND SHLD	u2
#18	r	#22 (3) COND SHLD	u3

REVISED 03/30/98

NOTES:

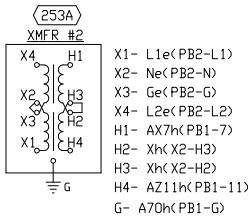
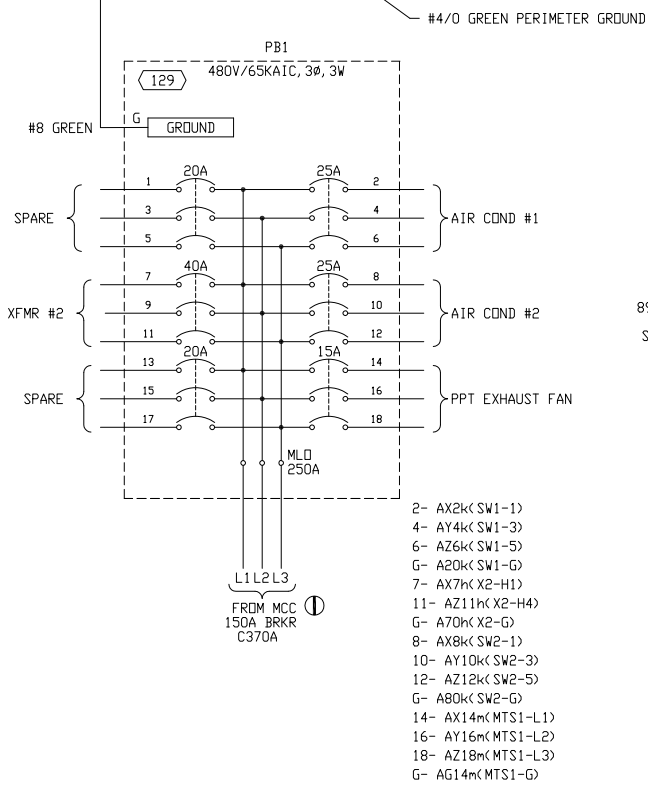
- WIRING TO BE INSTALLED PER EPSI WIRE GUIDE, AND WIRE SIZE CODING CHART UNLESS OTHERWISE NOTED.
- WRAP TYPE WIRE MARKERS REQUIRED.
- USE SPADE TYPE TERMINALS WITHN MCC BUCKETS AS REQUIRED. USE INSULATED LOCKING FORK TERMINALS ONLY ON INTERCONNECTS
- CONNECT EACH END OF EACH EQUIPMENT GROUND BUS, CABLE TRAYS AND CASE GROUNDS TO #4/0 GREEN INSULATED PERIMETER GROUND BUS. CONNECT PERIMETER GROUND TO POWERCENTER GROUND PADS USING THROUGH WALL PENETRATIONS.
- ALL CONDUIT SHALL BE EMT.
- WIRE COLOR CODE: HOT = BLACK, NEUTRAL =WHITE, GROUND = GREEN
- () - INDICATES BILL OF MATERIAL ITEM NUMBER.
- FIRE DETECTOR WIRING SHALL BE RAN SEPARATE FROM ALL OTHER WIRING.

EPSI WIRE GUIDE	
CONTROLS (MCC BUCKETS) - SIS - #14 AWG MIN.	
LIGHTS/RECEPTACLES - THHN - #12 AWG MIN.	
FIRE DETECTORS - XHHW - #16 AWG MIN.	
POWER WIRING (INTERCONNECTS) - XHHW - #12 AWG MIN.	
CT CIRCUITS - XHHW - #10 AWG MIN.	

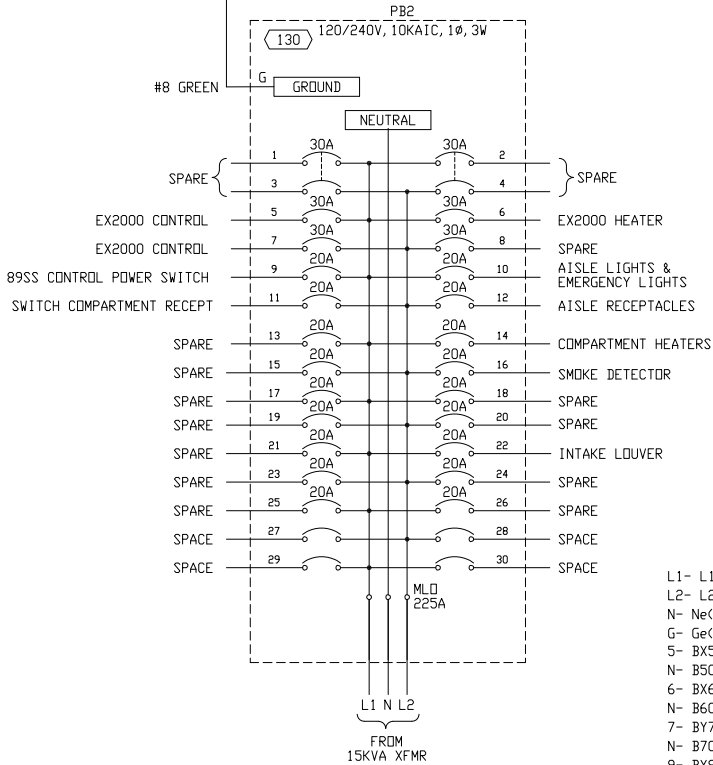
ENGR	DATE	REV	SCALE	REVISION DESCRIPTION
LDL	03/03/00	R1	NONE	AS BUILTS
LDL	01/10/01	R2	1045A	REVISE AC POWER WIRE LABELS
LDL	01/17/01	R3		FINAL AS-BUILT

GE CUSTOMER: JEA	SHIP ORDER No. AB-405-E100-300
SITE NAME: JEA-BRANDY BRANCH, BALDWIN, FLORIDIA	DWG No. 405-100-W01
MLI#: A089; DRD DRWG#: 510C9033S-F911 (GT DM GRD491)	
TAG: GEC-JEA-1,2,3	
GENERAL ELECTRIC SCHENECTADY - GEC	
6747 S. 65th W. Ave. Tulsa, Oklahoma 74131	
A Division of Central Electric Company	

CONTINUED ON 405-100-W02

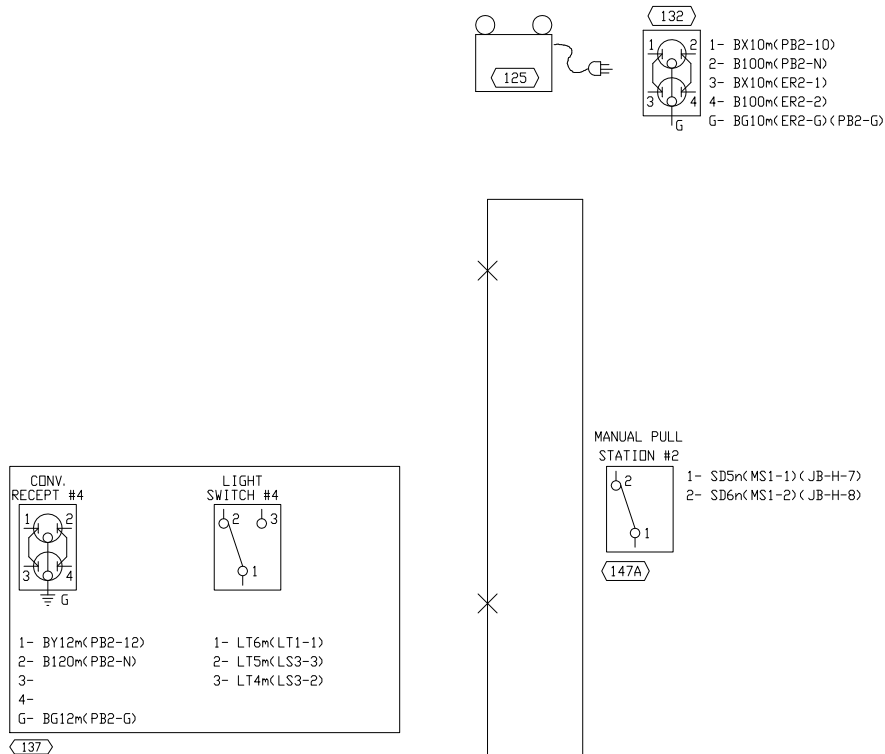


REAR WALL



L1- L1e(X2-X1)
L2- L2e(X2-X4)
N- Ne(X2-X2)
G- Ge(X2-X3)
5- BX5k(EX-HTB2-8)
N- B50k(EX-HTB2-9)
6- BX6k(EX-HTB2-11)
N- B60k(EX-HTB2-12)
7- BY7k(EX-HTB2-5)
N- B70k(EX-HTB2-6)
9- BX9m(LBS-M1)
N- B90m(LBS-M2)
10- BX10m(ER1-1)
N- B100m(ER1-2) (LT1-2)
G- BG10m(ER1-G) (LT1-G)
11- BY11m(R1-1)
N- B110m(R1-2)
G- BG110m(R1-G)
12- BY12m(R3-1) (R4-1)
N- B120m(R3-2) (R4-2)
G- BG120m(R3-G) (R4-G)
14- BX14m(TH3-R)
N- B140m(HA1-2)
16- BY16m(SDR-1)
N- B160m(SDP-WHT)
22- BX22m(MTS1-1)
N- B220m(LV1-1)

#4/0 GREEN PERIMETER GROUND



WIRE SIZE CODING CHART

- THE LAST LOWER CASE LETTER OF A WIRE NUMBER INDICATES WIRE SIZE (SEE CHART).
- IF THERE IS A NUMBER AFTER THE LOWER CASE LETTER, IT INDICATES CONDUCTOR QUANTITY.
- THE WIRE SIZE CODING WILL NOT BE PRINTED ON WIRE LABEL WHEN LABELING WIRE WITH WIRE NO.

WIRE SIZE	CODE LETTER	MULTI-CONDUCTOR CABLE SIZE	CODE LETTER
4/0	b	#14 (2) COND SHLD	a2
2/0	c	#14 (3) COND SHLD	a3
1/0	d	#16 (2) COND SHLD	v2
#2	e	#16 (3) COND SHLD	v3
2-#6	f2	#16 (4) COND SHLD	v4
#6	f	#18 (2) COND SHLD	s2
#8	h	#18 (3) COND SHLD	s3
#10	k	#18 (4) COND SHLD	s4
#12	m	#20 (2) COND SHLD	t2
#14	n	#20 (3) COND SHLD	t3
#16	p	#22 (2) COND SHLD	u2
#18	r	#22 (3) COND SHLD	u3

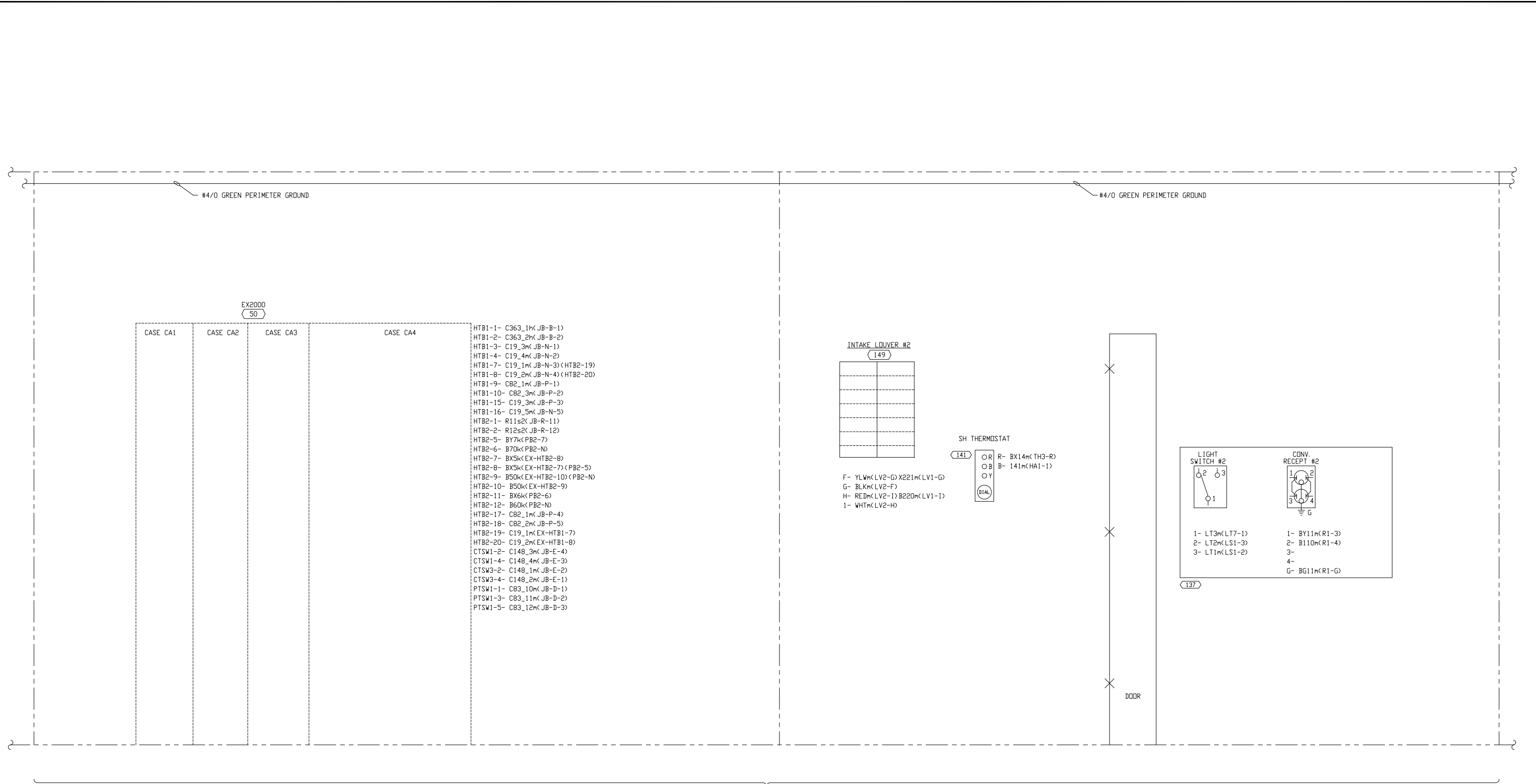
REVISED: 03/30/98

NOTES:

- WIRING TO BE INSTALLED PER EPSI WIRE GUIDE, AND WIRE SIZE CODING CHART UNLESS OTHERWISE NOTED.
- WRAP TYPE WIRE MARKERS REQUIRED.
- USE SPADE TYPE TERMINALS WITHN MCC BUCKETS AS REQUIRED. USE INSULATED LOCKING FORK TERMINALS ONLY ON INTERCONNECTS
- CONNECT EACH END OF EACH EQUIPMENT GROUND BUS, CABLE TRAYS AND CASE GROUNDS TO #4/0 GREEN INSULATED PERIMETER GROUND BUS. CONNECT PERIMETER GROUND TO POWERCENTER GROUND PADS USING THROUGH WALL PENETRATIONS.
- ALL CONDUIT SHALL BE EMT.
- WIRE COLOR CODE: HOT = BLACK, NEUTRAL =WHITE, GROUND = GREEN
- () - INDICATES BILL OF MATERIAL ITEM NUMBER.
- FIRE DETECTOR WIRING SHALL BE RAN SEPARATE FROM ALL OTHER WIRING.

EPSI WIRE GUIDE	
CONTROLS (MCC BUCKETS) - SIS - #14 AWG MIN.	
LIGHTS/RECEPTACLES - THHN - #12 AWG MIN.	
FIRE DETECTORS - XHHW - #16 AWG MIN.	
POWER WIRING (INTERCONNECTS) - XHHW - #12 AWG MIN.	
CT CIRCUITS - XHHW - #10 AWG MIN.	

ENGR	DATE	REV	SCALE	POWERCENTER WIRING DIAGRAM	
LDL	03/03/00	R1	NONE	GE CUSTOMER: JEA	
LDL	01/10/01	R2	1045A	SITE NAME: JEA-BRANDY BRANCH, BALDWIN, FLORIDIA	
LDL	01/17/01	R3	DR: JLH	MLI#: A089; DRD DRWNG#: 510C9033S-F911 (GT DM GRD491)	
		CR:	TCC	TAG: GEC-JEA-1,2,3	
		APPD:	LDL	GENERAL ELECTRIC SCHENECTADY - GEC	
		DATE APPD:	11/12/99	PO#A88J018524	
				SHIP ORDER No. AB-405-E100-300	
				BVG No: 405-100-W03	

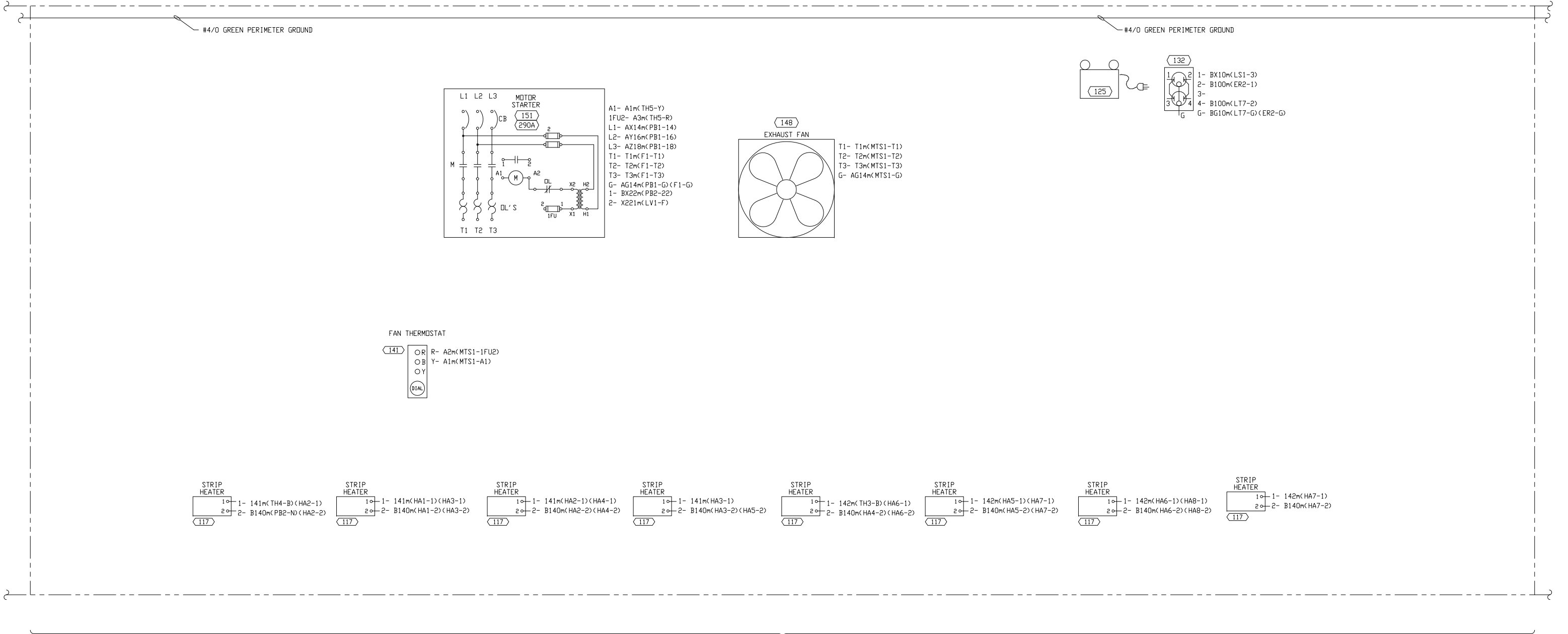


WIRE SIZE CODING CHART			
1) THE LAST LOWER CASE LETTER OF A WIRE NUMBER INDICATES WIRE SIZE (SEE CHART).			
2) IF THERE IS A NUMBER AFTER THE LOWER CASE LETTER, IT INDICATES CONDUCTOR QUANTITY.			
3) THE WIRE SIZE CODING WILL NOT BE PRINTED ON WIRE LABEL WHEN LABELING WIRE WITH WIRE NO.			
WIRE SIZE	CODE LETTER	MULTI-CONDUCTOR CABLE SIZE	CODE LETTER
4/0	b	#14 (2) COND SHLD	a2
2/0	c	#14 (3) COND SHLD	a3
1/0	d	#16 (2) COND SHLD	v2
#2	e	#16 (3) COND SHLD	v3
2-#6	f2	#16 (4) COND SHLD	v4
#6	f	#18 (2) COND SHLD	s2
#8	h	#18 (3) COND SHLD	s3
#10	k	#18 (4) COND SHLD	s4
#12	m	#20 (2) COND SHLD	t2
#14	n	#20 (3) COND SHLD	t3
#16	p	#22 (2) COND SHLD	u2
#18	r	#22 (3) COND SHLD	u3
REVISED: 03/30/98			

- NOTES:
- 1) WIRING TO BE INSTALLED PER EPSI WIRE GUIDE, AND WIRE SIZE CODING CHART UNLESS OTHERWISE NOTED.
 - 2) WRAP TYPE WIRE MARKERS REQUIRED.
 - 3) USE SPADE TYPE TERMINALS WITHN MCC BUCKETS AS REQUIRED. USE INSULATED LOCKING FORK TERMINALS ONLY ON INTERCONNECTS
 - 4) CONNECT EACH END OF EACH EQUIPMENT GROUND BUS, CABLE TRAYS AND CASE GROUNDS TO #4/0 GREEN INSULATED PERIMETER GROUND BUS. CONNECT PERIMETER GROUND TO POWERCENTER GROUND PADS USING THROUGH WALL PENETRATIONS.
 - 5) ALL CONDUIT SHALL BE EMT.
 - 6) WIRE COLOR CODE: HOT = BLACK, NEUTRAL =WHITE, GROUND = GREEN
 - 7) - INDICATES BILL OF MATERIAL ITEM NUMBER.
 - 8) FIRE DETECTOR WIRING SHALL BE RAN SEPARATE FROM ALL OTHER WIRING.

EPSI WIRE GUIDE	
CONTROLS (MCC BUCKETS) - SIS - #14 AWG MIN.	
LIGHTS/RECEPTACLES - THHN - #12 AWG MIN.	
FIRE DETECTORS - XHHW - #16 AWG MIN.	
POWER WIRING (INTERCONNECTS) - XHHW - #12 AWG MIN.	
CT CIRCUITS - XHHW - #10 AWG MIN.	

ENGR	DATE	REVISION DESCRIPTION	DATE	REV	SCALE	POWERCENTER WIRING DIAGRAM	
LDL	TCB	AS BUILT	03/03/00	R1	NONE	GE CUSTOMER: JEA	
LDL	TCB	REVISE AC POWER WIRE LABELS	01/10/01	R2	1045A	SITE NAME: JEA-BRANDY BRANCH, BALDWIN, FLORIDIA	
LDL	TCB	FINAL AS-BUILT	01/17/01	R3		MLI#: A089; DRD DRWNG#: 510C9033S-F911 (GT DM GRD491)	
						TAG: GEC-JEA-1,2,3	
						GENERAL ELECTRIC SCHENECTADY - GEC PD#A88J018524	
						6747 S. 65th W. Ave. Ship Order No. AB-405-E100-300	
						Tulsa, Oklahoma 74131 DWG No. 405-100-W04	
						A Division of Central Electric Company	
						DATE APP'D: 1/12/2000	



WIRE SIZE CODING CHART

- 1) THE LAST LOWER CASE LETTER OF A WIRE NUMBER INDICATES WIRE SIZE (SEE CHART).
2) IF THERE IS A NUMBER AFTER THE LOWER CASE LETTER, IT INDICATES CONDUCTOR QUANTITY.
3) THE WIRE SIZE CODING WILL NOT BE PRINTED ON WIRE LABEL WHEN LABELING WIRE WITH WIRE NO.

WIRE SIZE	CODE LETTER	MULTI-CONDUCTOR CABLE SIZE	CODE LETTER
4/0	b	#14 (2) COND SHLD	a2
2/0	c	#14 (3) COND SHLD	a3
1/0	d	#16 (2) COND SHLD	v2
#2	e	#16 (3) COND SHLD	v3
2-#6	f2	#16 (4) COND SHLD	v4
#6	f	#18 (2) COND SHLD	s2
#8	h	#18 (3) COND SHLD	s3
#10	k	#18 (4) COND SHLD	s4
#12	m	#20 (2) COND SHLD	t2
#14	n	#20 (3) COND SHLD	t3
#16	p	#22 (2) COND SHLD	u2
#18	r	#22 (3) COND SHLD	u3

REVISED:
03/30/98

LEFT END WALL

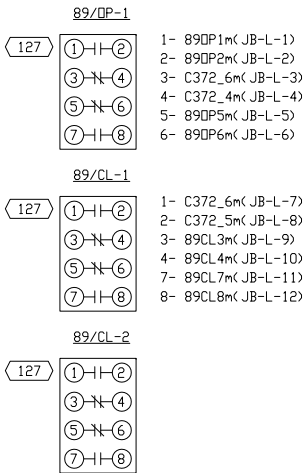
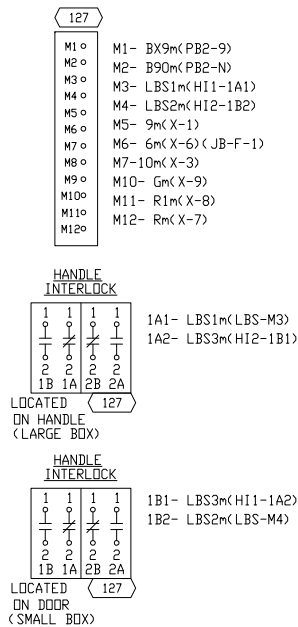
NOTES:

- 1) WIRING TO BE INSTALLED PER EPSI WIRE GUIDE, AND WIRE SIZE CODING CHART UNLESS OTHERWISE NOTED.
- 2) WRAP TYPE WIRE MARKERS REQUIRED.
- 3) USE SPADE TYPE TERMINALS WITHN MCC BUCKETS AS REQUIRED. USE INSULATED LOCKING FORK TERMINALS ONLY ON INTERCONNECTS
- 4) CONNECT EACH END OF EACH EQUIPMENT GROUND BUS, CABLE TRAYS AND CASE GROUNDS TO #4/0 GREEN INSULATED PERIMETER GROUND BUS. CONNECT PERIMETER GROUND TO POWERCENTER GROUND PADS USING THROUGH WALL PENETRATIONS.
- 5) ALL CONDUIT SHALL BE EMT.
- 6) WIRE COLOR CODE: HOT = BLACK, NEUTRAL =WHITE, GROUND = GREEN
- 7) - INDICATES BILL OF MATERIAL ITEM NUMBER.
- 8) FIRE DETECTOR WIRING SHALL BE RAN SEPARATE FROM ALL OTHER WIRING.

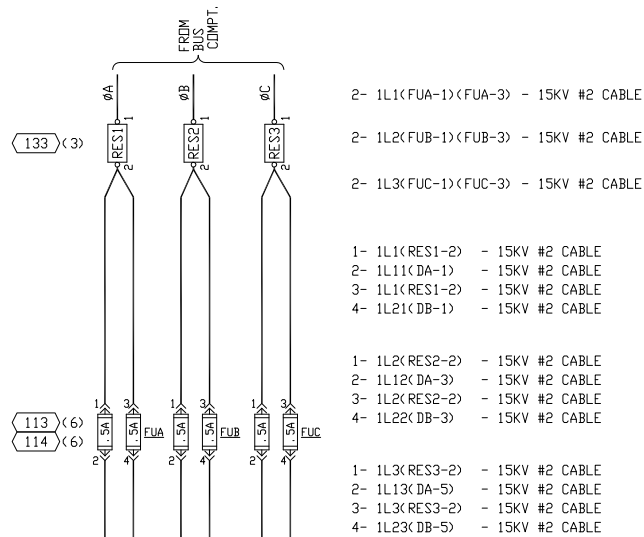
EPSI WIRE GUIDE	
CONTROLS (MCC BUCKETS) - SIS - #14 AWG MIN.	
LIGHTS/RECEPTACLES - THHN - #12 AWG MIN.	
FIRE DETECTORS - XHHW - #16 AWG MIN.	
POWER WIRING (INTERCONNECTS) - XHHW - #12 AWG MIN.	
CT CIRCUITS - XHHW - #10 AWG MIN.	

ENGR	DATE	REVISION DESCRIPTION	DATE	REV	SCALE	POWERCENTER WIRING DIAGRAM	
LDL	TBD	AS BUILT	03/03/00	R1	NONE	GE CUSTOMER: JEA	
LDL	TBD	REVISE AC POWER WIRE LABELS	03/03/00	R2	1045A	SITE NAME: JEA-BRANDY BRANCH, BALDWIN, FLORIDIA	
LDL	TBD	FINAL AS-BUILT	01/17/01	R3		MLI#: A089; DRD DRWG#: 510C9033S-F911 (GT DM GRD491)	
						TAG: GEC-JEA-1,2,3	
						GENERAL ELECTRIC SCHENECTADY - GEC	
						PO#A88J018524	
						6747 S. 65th W. Ave. Tulsa, Oklahoma 74131	
						A Division of Central Electric Company	
						SHOP ORDER No: AB-405-E100-300	
						DWG No: 405-100-W05	

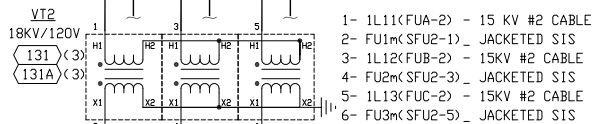
LOADBREAK SWITCH - 89SS



BACK WALL OF VT COMPARTMENT



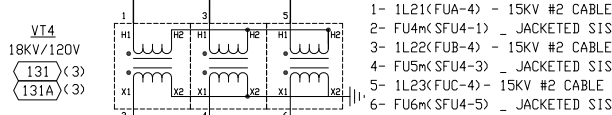
BACK VTs



NOTE:

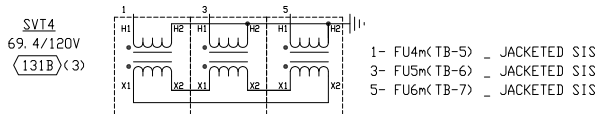
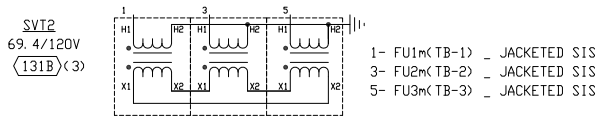
NEUTRAL OF VT PRIMARY MUST BE ISOLATED FROM GROUND.

FRONT VTs

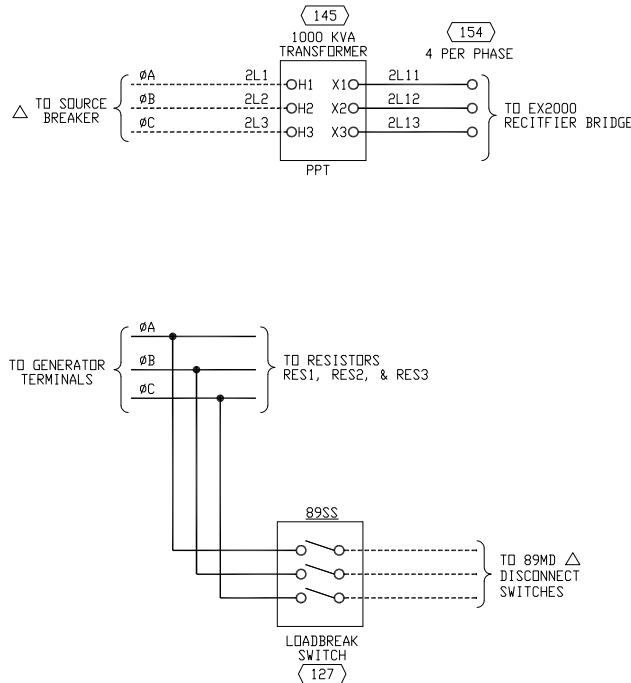


NOTE:

NEUTRAL OF VT PRIMARY MUST BE ISOLATED FROM GROUND.



BUS COMPARTMENT



NOTES:

- 1) WIRING TO BE #12 AWG, TYPE THHN, UNLESS OTHERWISE NOTED.
- 2) WRAP TYPE WIRE MARKERS REQUIRED.
- 3) USE THOMAS & BETTS STA-KON FLX SERIES VINYL INSULATED LOCKING FORK-EXPANDED INSULATION SUPPORT TERMINALS WHERE TERMINALS ARE NEEDED.
- 4) CONNECT EACH END OF EACH EQUIPMENT GROUND BUS, CABLE TRAYS AND CASE GROUNDS TO #2/0 GREEN INSULATED PERIMETER GROUND BUS. CONNECT PERIMETER GROUND TO POWERCENTER GROUND PADS USING THROUGH WALL PENETRATIONS.
- 5) ALL CONDUIT SHALL BE EMT.
- 6) MARK WIRE NUMBER ON BOTH ENDS OF EACH WIRE WITH WRAP TYPE WIRE MARKERS.
- 7) WIRE COLOR CODE: HOT = BLACK, NEUTRAL = WHITE, GROUND = GREEN
- 8) () - INDICATES BILL OF MATERIAL ITEM NUMBER.
- 9) CONTACT OPENS WHEN THE SWITCH MANUAL OPERATING HANDLE IS REMOVED FROM ITS STORAGE KEY INTERLOCK.

WIRE SIZE CODING CHART

- 1) THE LAST LOWER CASE LETTER OF A WIRE NUMBER INDICATES WIRE SIZE (SEE CHART).
- 2) IF THERE IS A NUMBER AFTER THE LOWER CASE LETTER, IT INDICATES CONDUCTOR QUANTITY.
- 3) THE WIRE SIZE CODING WILL NOT BE PRINTED ON WIRE LABEL WHEN LABELING WIRE WITH WIRE NO.

WIRE SIZE	CODE LETTER	MULTI-CONDUCTOR CABLE SIZE	CODE LETTER
4/0	b	#14 (2) COND SHLD	a2
2/0	c	#14 (3) COND SHLD	a3
1/0	d	#16 (2) COND SHLD	v2
#2	e	#16 (3) COND SHLD	v3
2-#6	f	#16 (4) COND SHLD	v4
#6	f	#18 (2) COND SHLD	s2
#8	h	#18 (3) COND SHLD	s3
#10	k	#18 (4) COND SHLD	s4
#12	m	#20 (2) COND SHLD	t2
#14	n	#20 (3) COND SHLD	t3
#16	p	#22 (2) COND SHLD	u2
#18	r	#22 (3) COND SHLD	u3

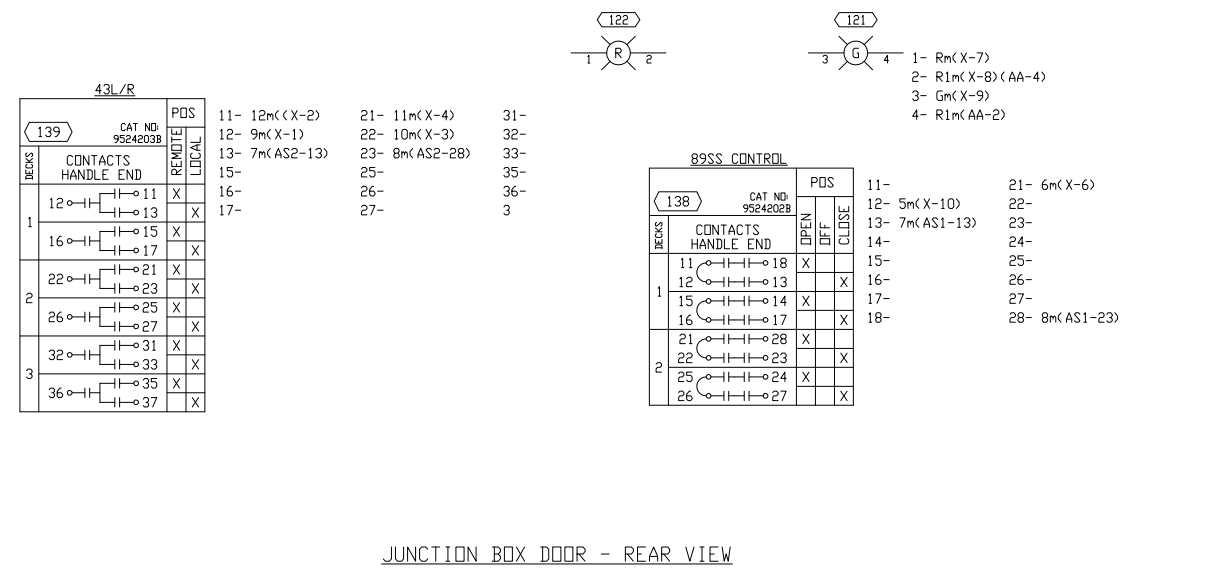
REVISED:
03/30/98


EPSI WIRE GUIDE

CONTROLS (MCC BUCKETS) - SIS - #14 AWG MIN.
LIGHTS/RECEPTACLES - THHN - #12 AWG MIN.
FIRE DETECTORS - XHHW - #16 AWG MIN.
POWER WIRING (INTERCONNECTS) - XHHW - #12 AWG MIN.
CT CIRCUITS - XHHW - #10 AWG MIN.

ENGR	DATE	REVISION DESCRIPTION	DATE	REV	SCALE
LDL	TBD	AS BUILTS	03/03/00	R1	NONE
LDL	TBD	REVISE AC POWER WIRE LABELS	01/10/01	R2	CLASS: 1045A
LDL	TBD	FINAL AS-BUILT	01/17/01	R3	DR: JLH
OK:					TCC
APPD:					LDL
DATE APPD:					1/12/2000



POWERCENTER WIRING DIAGRAM	
GE CUSTOMER: JEA	
SITE NAME: JEA-BRANDY BRANCH, BALDWIN, FLORIDIA	
MLI#: A089; DRD DRWNG#: 510C9033S-F911 (GT DM GRD491)	
TAG: GEC-JEA-1,2,3	
GENERAL ELECTRIC SCHENECTADY - GEC	PD#A88J018524
6747 S. 65th W. Ave. Tulsa, Oklahoma 74131	SHIP ORDER No. AB-405-E100-300
A Division of Central Electric Company	DRG No: 405-100-W06



- NOTES:**
- 1) WIRING TO BE INSTALLED PER EPSI WIRE GUIDE, AND WIRE SIZE CODING CHART UNLESS OTHERWISE NOTED.
 - 2) SLEEVE TYPE WIRE MARKERS REQUIRED.
 - 3) USE SPADE TYPE TERMINALS WITH MCC BUCKETS AS REQUIRED. USE INSULATED LOCKING FORK TERMINALS ONLY ON INTERCONNECTS
 - 4) CONNECT EACH END OF EACH EQUIPMENT GROUND BUS, CABLE TRAYS AND CASE GROUNDS TO #4/0 GREEN INSULATED PERIMETER GROUND BUS. CONNECT PERIMETER GROUND TO POWERCENTER GROUND PADS USING THROUGH WALL PENETRATIONS.
 - 5) ALL CONDUIT SHALL BE EMT.
 - 6) WIRE COLOR CODE: HOT = BLACK, NEUTRAL = WHITE, GROUND = GREEN
 - 7)  - INDICATES BILL OF MATERIAL ITEM NUMBER.
 - 8) FIRE DETECTOR WIRING SHALL BE RAN SEPARATE FROM ALL OTHER WIRING.

⊖ TCP-TURBINE CONTROL PANEL
 ⊗ GPP-GENERATOR PROTECTION PANEL
 ① MOTOR CONTROL CENTER (MCC)
 ⊕ GE SUPPLIED EQUIPMENT MOUNTED SEPARATE FROM PACKAGE
 △ CUSTOMER SUPPLIED EQUIPMENT

EPSI WIRE GUIDE	
CONTROLS (MCC BUCKETS) - SIS - #14 AWG MIN.	
LIGHTS/RECEPTACLES - THHN - #12 AWG MIN.	
FIRE DETECTORS - XHHW - #16 AWG MIN.	
POWER WIRING (INTERCONNECTS) - XHHW - #12 AWG MIN.	
CT CIRCUITS - XHHW - #10 AWG MIN.	

INSTR	REVISION DESCRIPTION	DATE	REV	SCALE:	POWERCENTER WIRING DIAGRAM	
LCL	AS BUILTS	03/03/00	R1	CLASS:	GE CUSTOMER: JEA	
LCL	FINAL AS-BUILT	01/17/01	R2	1045A	SITE NAME: JEA-BRANDY BRANCH, BALDWIN, FLORIDA	
				DR:	ML#H: A089; DRD DRWG#H: 510C9033S-F911 (GT DM GRD491)	
				JLH	TAG: GEC-JEA-1,2,3	
				CK:	GENERAL ELECTRIC SCHENECTADY - GEC P0#AB8J018524	
				TCC	 6747 S. 65th W. Ave. Tulsa, Oklahoma 74131	
				APPD:		
				LDL	SHOP ORDER No: AB-405-E100-300 DWG No: 405-100-W07	
				DATE APPD:	A Division of Central Electric Company 	
				1/12/2000		