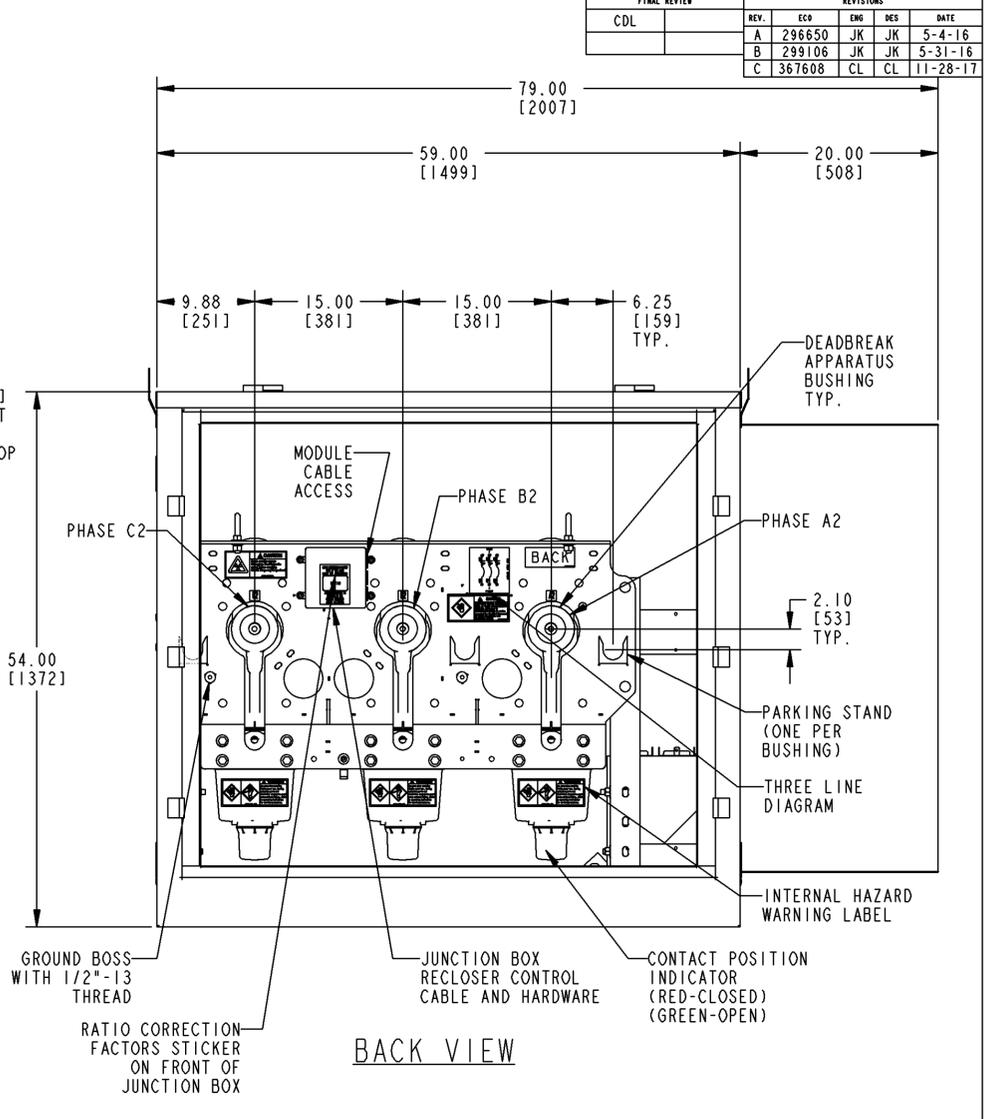
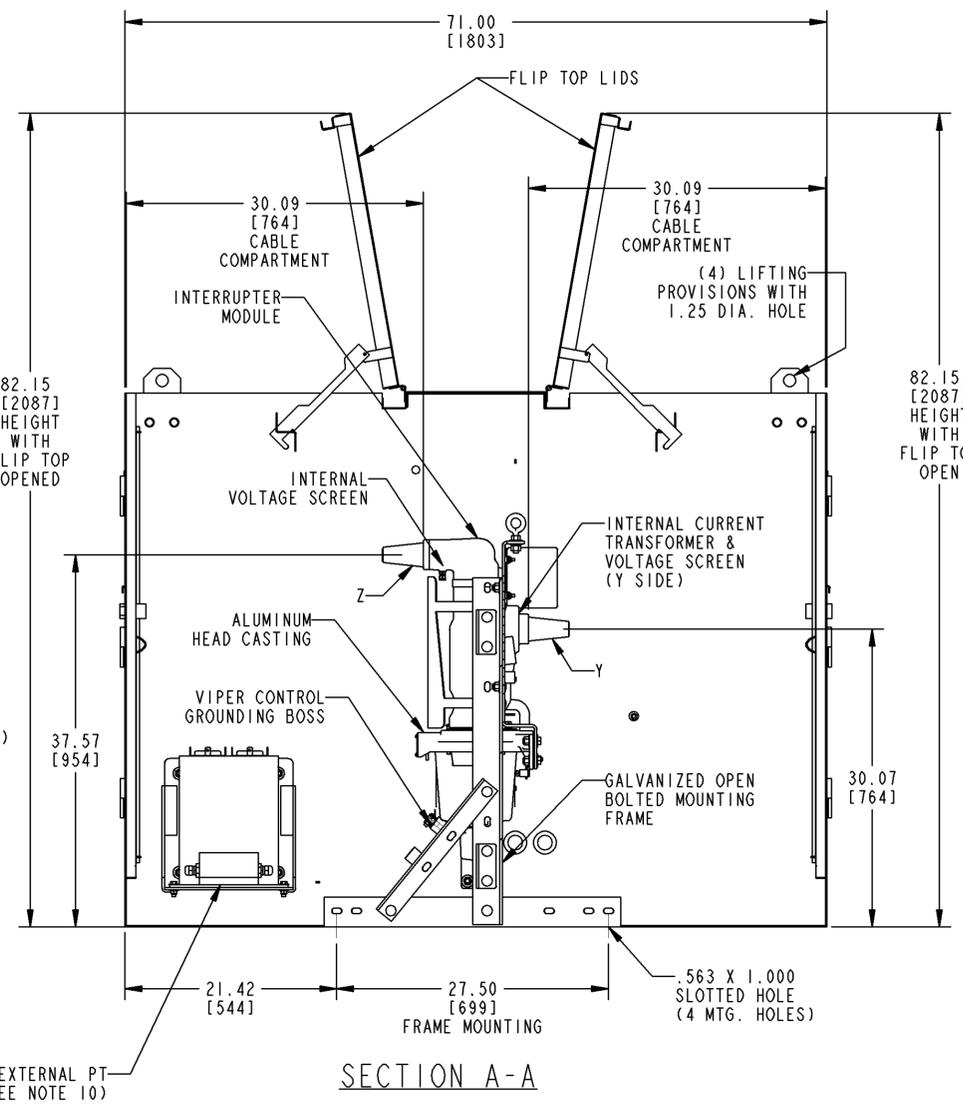
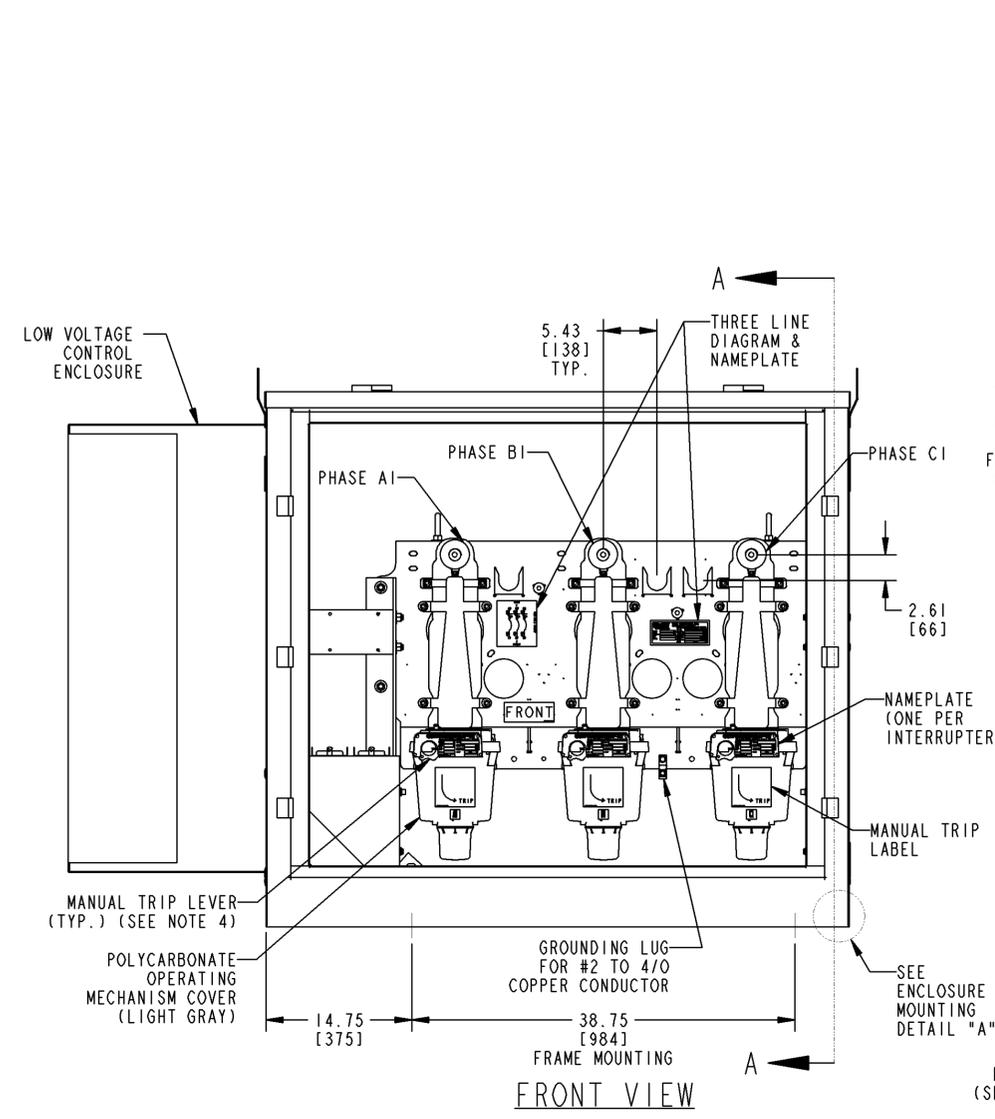


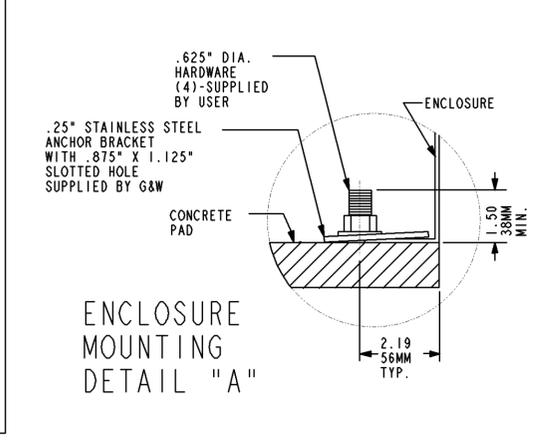
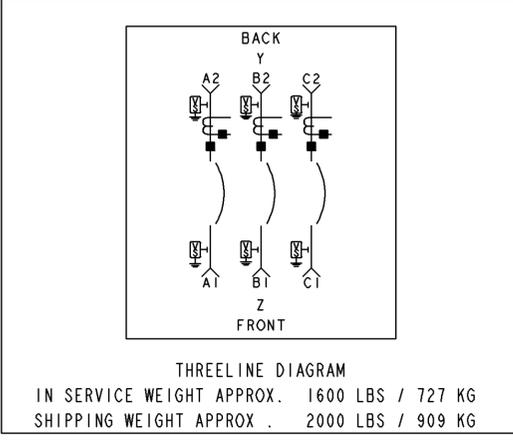
3D MODEL, MC ERRORS 31 3D MODEL LAST CHECKED Nov 06 2017 15:02:27 GMT-0600 CUSTOMER DRAWING, MC ERRORS 31 3D MODEL LAST CHECKED Nov 03 2018 07:41:57 GMT-0600 STANDARD
 SHEET 1 of 2
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 Dwg. no.: D8706 PMIZ M00

FINAL REVIEW		REVISIONS			
CDL	REV.	ECO	ENG	RES	DATE
	A	296650	JK	JK	5-4-16
	B	299106	JK	JK	5-31-16
	C	367608	CL	CL	11-28-17



RECLOSER ELECTRICAL INFORMATION
SEE NOTES FOR LIMITATIONS

RATED VOLTAGE (MAXIMUM)	15.5	KV
IMPULSE LEVEL (BIL)	110	KV
CONTINUOUS CURRENT, RMS SYM	800	AMP
CURRENT INTERRUPTING, RMS SYM	12.5	KA
AC 1 MIN. WITHSTAND (DRY)	35	KV
DC 15 MIN. WITHSTAND	53	KV
MOMENTARY CURRENT, RMS ASYM	20.0	KA
MAKING CURRENT, RMS ASYM	20.0	KA
SHORT-TIME WITHSTAND RATING (3 SEC. DURATION), RMS SYM	12.5	KA



RECLOSER SPECIFICS:

- RECLOSER IS EQUIPPED WITH A CONTROL: SEL651R22CXGA8AE211330XX (9163XXXX1991-1)
- CONTROLLER WEIGHT: 150 LBS APPROXIMATE.
- CONTROL CABLE IS CONNECTORIZED ON BOTH ENDS. CABLE LENGTH 10 FT.
- CABLES FROM MODULES ARE HARDWIRED INTO JUNCTION BOX.
- CT RATIO FACTORY SET AT 500:1 RATIO.
- VIPER IS EQUIPPED WITH SIX VOLTAGE SENSORS. THREE INTERNAL LOW ENERGY ANALOG (LEA) VOLTAGE SENSORS ARE LOCATED ON THE Y SIDE AND THREE INTERNAL LEA VOLTAGE SENSORS ARE LOCATED ON THE Z SIDE.
- MAXIMUM OUTPUT OF INTERNAL LEA VOLTAGE SENSOR IS 5 VAC WITH A 10,000:1 RATIO.
- INTERNAL LEA VOLTAGE SENSING IS CALIBRATED AT THE FACTORY USING RATIO CORRECTION FACTORS (RCFS) PROVIDED WITH THE VIPER.
- RCFS ARE PROGRAMMED INTO THE CONTROL PAIRED WITH THE VIPER. RCFS MUST BE REPROGRAMMED IF A DIFFERENT CONTROL IS USED. SEE LABEL INCLUDED WITH THE CONTROL FOR RCF VALUES AND EQUIVALENT PT RATIO.
- ONLY USE 38KV IEEE INTERFACE ELBOWS REGARDLESS OF THE VOLTAGE LEVEL.
- 3-PIN PT CABLE IS CONNECTORIZED ON THE CONTROL END. CABLE LENGTH 10 FT.

ENTRANCES	BUSHING ELECTRICAL CHARACTERISTICS	IEEE 386 INTERFACE
Y	15.5KV 800A DEADBREAK APPARATUS BUSHING	INTERFACE 13
Z	15.5KV 800A DEADBREAK APPARATUS BUSHING	INTERFACE 13

PRINT IDENTIFICATION

DATE 11-30-17 G&W NO. 67584

CUSTOMER SIEMENS INDUSTRY INC - MC IMA083

ORDER NO. 4506515263

FOR RECORD ITEM NO. 1.0
 FOR APPROVAL-NO MORE WORK TO BE DONE UNTIL APPROVAL IS RECEIVED CT RATIO 500:1

CONTROLLER NO. SEL651R22CXGA8AE211330XX (9163XXXX1991-1)

DC/DC OPTION USES OUTPUT

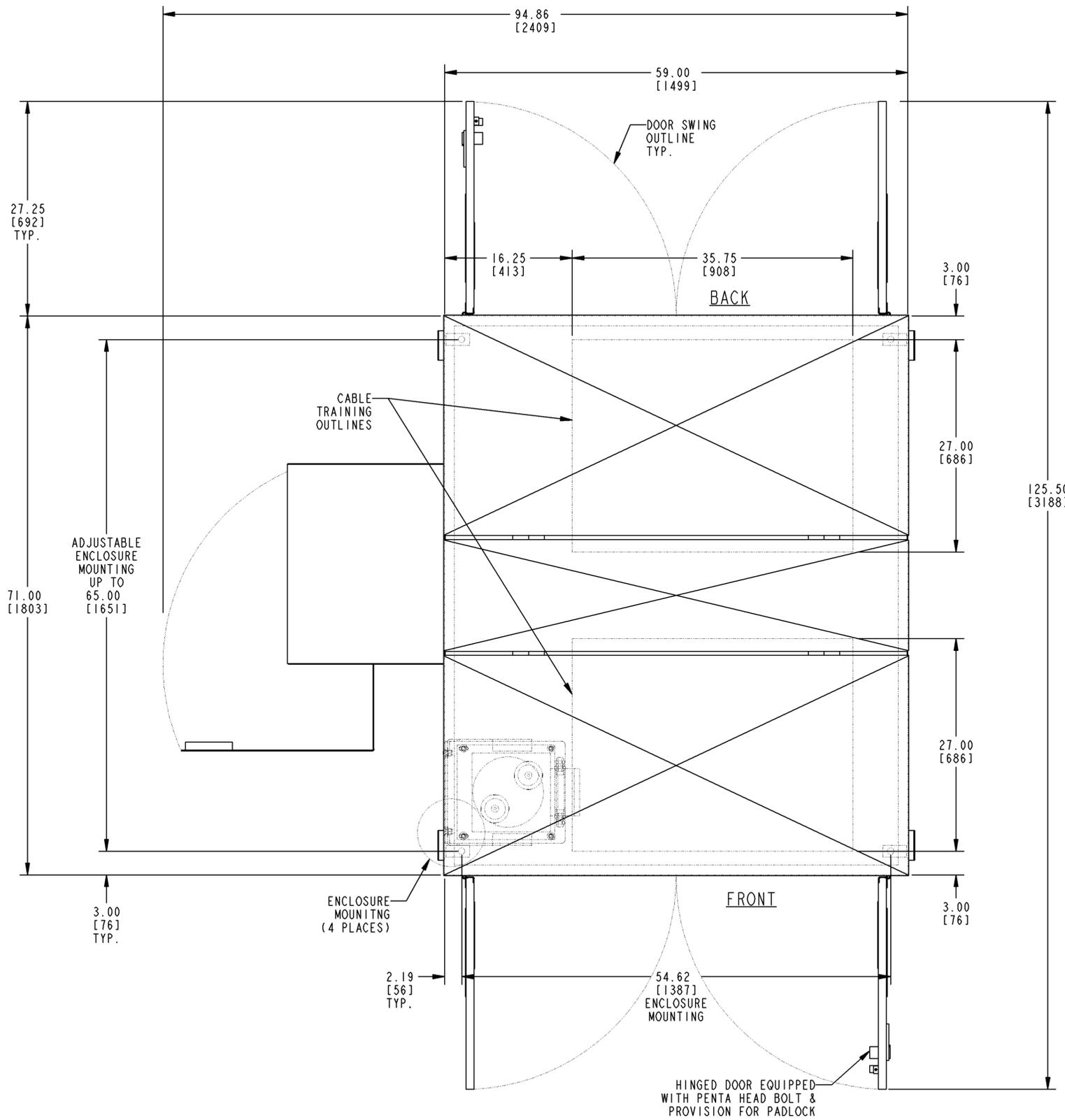
* ALL PRIMARY DIMENSIONS ARE IN INCHES. ALL SECONDARY DIMENSIONS ARE IN MILLIMETERS.

ALL DRAWING CHANGES MUST BE MADE ON CAD. ANY MANUAL CHANGES WILL VOID DRAWING.

PME-VIP378ER-12-1-ST		G&W G&W ELECTRIC Co.	
15.5KV SOLID DIELECTRIC RECLOSER			
CAT. NO.: PME-VIP378ER-12-1-ST	DRAWING NO. D8706 PMIZ M00	REV. C	
ENG/RES: RJS RD	DATE: Apr-27-16	SCALE:	SHEET: 1 of 2
APPR BY: AD	DATE: Apr-27-16		

FINAL REVIEW		REVISIONS				
CDL		REV.	ECO	ENG	RES	DATE
		A	296650	JK	JK	5-4-16
		B	299106	JK	JK	5-31-16
		C	367608	CL	CL	11-28-17

3D MODEL, MC ERRORS 3 | 3D MODEL LAST CHECKED Nov 06 2017 15:02:27 GMT-0600 CUSTOMER DRAWING MC ERRORS 6 | DRAWING LAST CHECKED Tue Nov 03 2016 07:41:57 GMT-0600 STANDARD
 SHEET 2 of 2
 DATE: 29-Nov-17 08:39:46
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NOTES:

- POLYCARBONATE OPERATING MECHANISM COVER MOLDED LIGHT GRAY.
- MOUNTING INFORMATION: THE FRAME OF THE RECLOSER MUST BE ANCHORED TO THE PAD. THE FRAME IS EQUIPPED WITH (4) SLOTTED ANCHORING HOLES, EACH MEASURING .563" X 1.000". THE LOCATIONS OF THESE HOLES, REFERRED TO AS "FRAME MOUNTING" ARE SHOWN IN THE FRONT VIEW AND SECTION A-A. THE PAD MOUNT ENCLOSURE SHOULD BE SECURED TO THE PAD TO PROVIDE IT WITH ADDITIONAL STABILITY. EACH PAD MOUNT ENCLOSURE IS SHIPPED WITH 4 SECURING BRACKETS THAT ARE TO BE USED FOR THIS PURPOSE. THE SECURING BRACKETS CAN BE INSTALLED ANYWHERE ALONG THE INNER EDGE OF THE ENCLOSURE. SEE ENCLOSURE MOUNTING DETAIL "A" AND THE PLAN VIEW FOR MORE DETAILS ABOUT SECURING THE PAD MOUNT ENCLOSURE TO THE PAD.
- INTERRUPTER MODULES ARE NOT INTENDED FOR DEAD ENDING. SEPARATE STRAIN RELIEF IS REQUIRED FOR CABLES.
- MANUAL TRIP LEVER EQUIPPED WITH ELECTRICAL AND MECHANICAL LOCKOUT OF CLOSING CIRCUIT WHEN LEVER IS IN THE TRIPPED POSITION.
- RECLOSER EQUIPPED FOR DEADLINE OPERATION USING POWER FROM THE BATTERY IN THE SEL651R (32 PIN DESIGN).
- GALVANIZED STEEL ENCLOSURE FINISHED PADMOUNT GREEN PER MUNSELL NO.7GY3.29/1.5. ENCLOSURE IS DESIGNED PER APPLICABLE SECTIONS OF ANSI/IEEE C37.74 AND C57.12.28. DRAWING IS TYPICAL AND SHOWS THE OVERALL DIMENSIONS ONLY. CONSTRUCTION DETAIL MAY VARY FROM THOSE DEPICTED. ENCLOSURE DOORS EQUIPPED WITH THREE POINT LATCH WITH PENTA HEAD BOLT AND PROVISIONS FOR PADLOCKING.
- 800A APPARATUS BUSHINGS ARE SUITABLE FOR USE WITH 600A OR 900A RATED ELBOWS.
- WHEN ELBOWS, INSERTS, AND ANY OTHER ACCESSORIES ARE CONNECTED TO THE SWITCH, THE RATING OF EACH CONNECTED ASSEMBLY WILL BE THE LOWEST RATED COMPONENT OF THAT ASSEMBLY.
- RECLOSER IS EQUIPPED WITH A 1000/500:1 CURRENT TRANSFORMER ON EACH PHASE FACTORY SET AT 500:1 RATIO. REFER TO INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS FOR CHANGING CURRENT TRANSFORMER RATIO IN THE FIELD.
- RECLOSER IS EQUIPPED WITH ONE EXTERNAL ABB TYPE VIL-95 PT. THE PT SYSTEM VOLTAGE IS 13800V. THE PT IS DESIGNED FOR USE ON A 7967V PHASE TO GROUND SYSTEM AND HAS A 66.4:1 RATIO, WITH A 1500VA OUTPUT, AND IS ABB PART NUMBER 7881A93G20. CUSTOMER IS RESPONSIBLE FOR PROVIDING THE CABLE AND APPROPRIATE COMPONENTS SUCH AS THE PT PRIMARY FUSING AND CONNECTING THE H1 BUSHING ON THE PRIMARY SIDE OF THE PT TO THE BUSHING PER CUSTOMER DISCRETION, AND CONNECTING THE H2 BUSHING ON THE PRIMARY SIDE OF THE PT TO GROUND, PER ABB INSTRUCTIONS, LOCAL CODES, AND PRACTICES. G&W WILL CONNECT THE 120VAC PHASE TO GROUND SECONDARY TO CONTROL.

* ALL PRIMARY DIMENSIONS ARE IN INCHES.
ALL SECONDARY DIMENSIONS ARE IN MILLIMETERS.

ALL DRAWING CHANGES MUST BE MADE ON CAD. ANY MANUAL CHANGES WILL VOID DRAWING.					
PME-VIP378ER-12-1-ST					
15.5KV SOLID DIELECTRIC RECLOSER					
G&W G&W ELECTRIC CO.					
CAT. NO.: PME-VIP378ER-12-1-ST			DRAWING NO. D8706 PMIZ M00		REV. C
ENG/RES: RJS	RD	DATE: Apr-27-16			
APPR BY: AD		DATE: Apr-27-16	SCALE:	SHEET: 2 of 2	