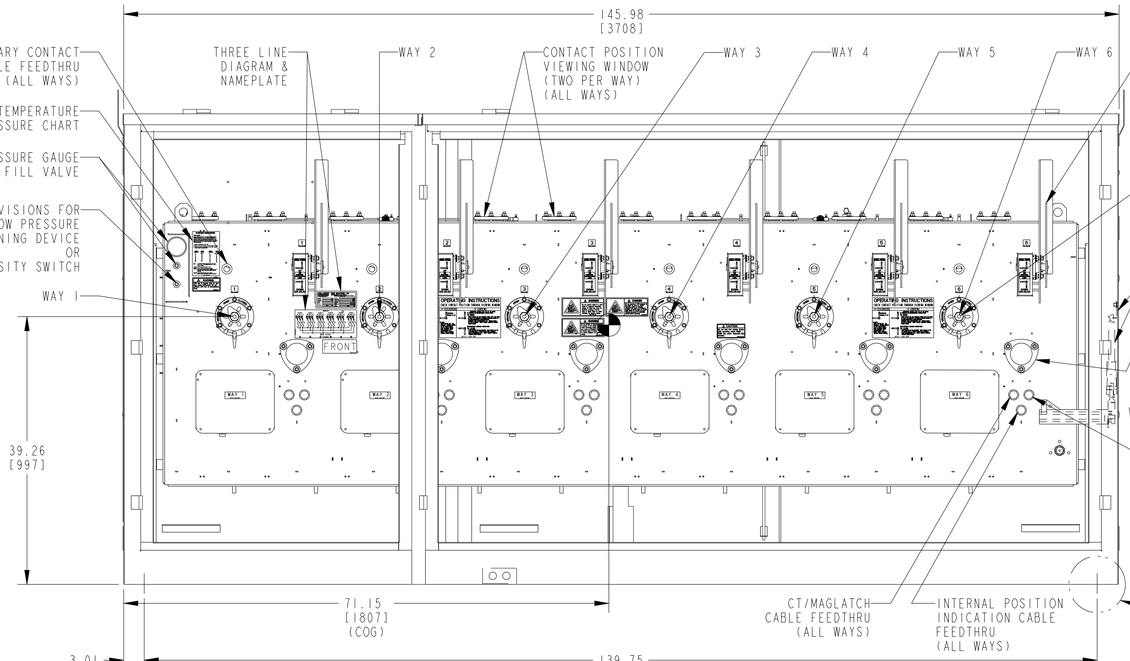
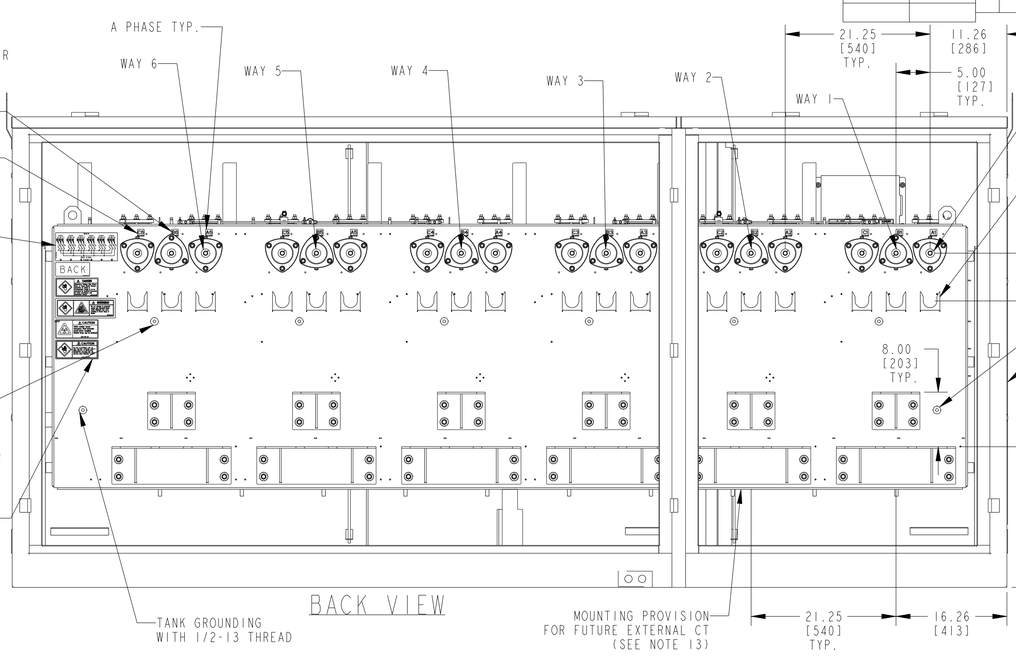
FINAL REVIEW	
JMB	

REVISIONS				
REV.	ECO	ENG	DES	DATE



FRONT VIEW

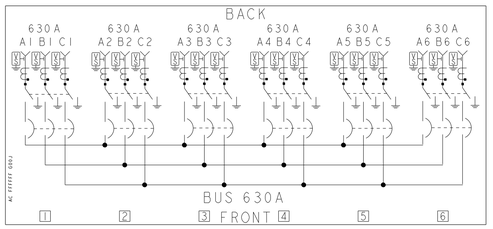


BACK VIEW

ENTRANCES	BUSHING ELECTRICAL CHARACTERISTICS	IEEE 386 INTERFACE
WAY 1	15.5KV 630A DEADBREAK APPARATUS BUSHING	INTERFACE 11
WAY 2	15.5KV 630A DEADBREAK APPARATUS BUSHING	INTERFACE 11
WAY 3	15.5KV 630A DEADBREAK APPARATUS BUSHING	INTERFACE 11
WAY 4	15.5KV 630A DEADBREAK APPARATUS BUSHING	INTERFACE 11
WAY 5	15.5KV 630A DEADBREAK APPARATUS BUSHING	INTERFACE 11
WAY 6	15.5KV 630A DEADBREAK APPARATUS BUSHING	INTERFACE 11

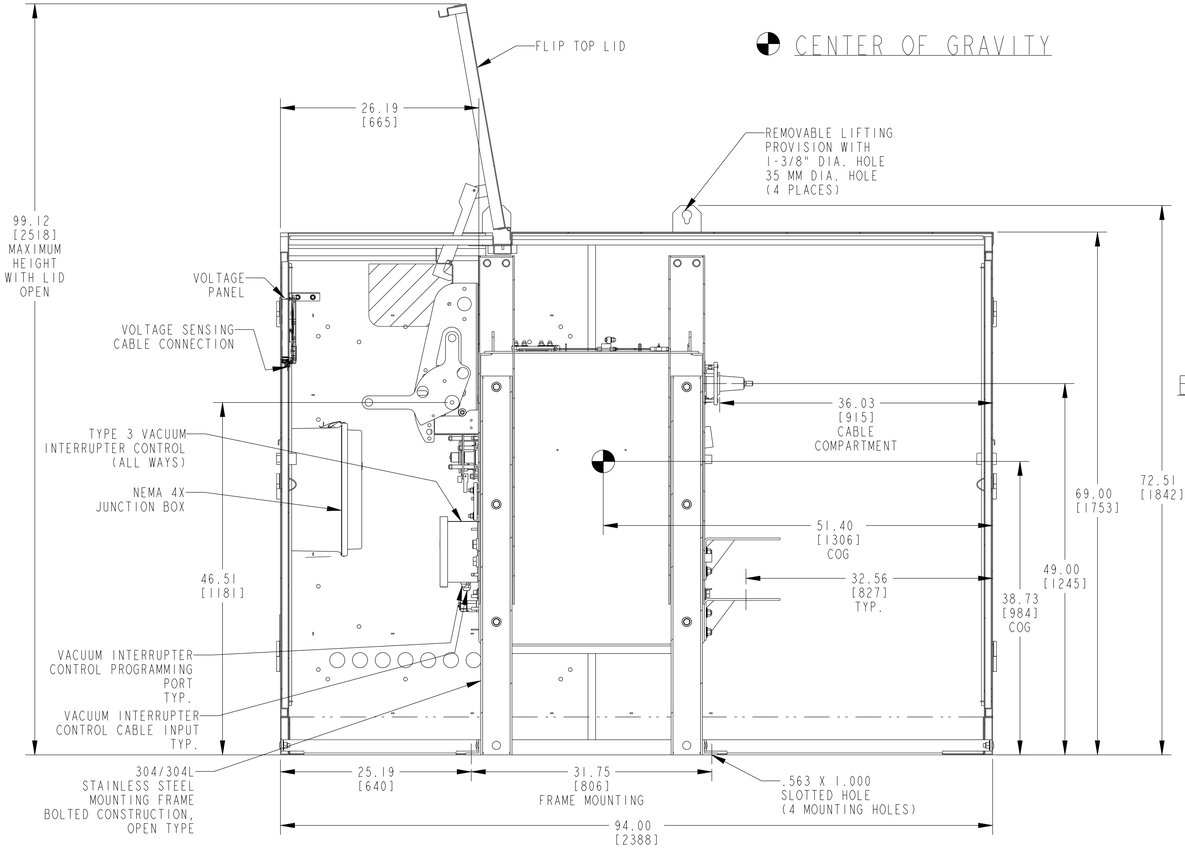
SWITCH ELECTRICAL INFORMATION
SEE NOTES FOR LIMITATIONS

	WAYS 1, 2, 3, 4, 5 & 6
RATED VOLTAGE (MAXIMUM)	15.5 KV
IMPULSE LEVEL (BIL)	110 KV
CONTINUOUS CURRENT, RMS SYM	SEE THREE LINE
INTERRUPTING CURRENT, RMS SYM	25 KA
1 MINUTE WITHSTAND, 60 HZ AC	34 KV
15 MINUTE WITHSTAND, DC	53 KV
MOMENTARY CURRENT, RMS ASYM	40 KA
MAKING CURRENT, RMS ASYM	32 KA
SHORT-TIME WITHSTAND RATING (1 SEC. DURATION), RMS SYM	25 KA



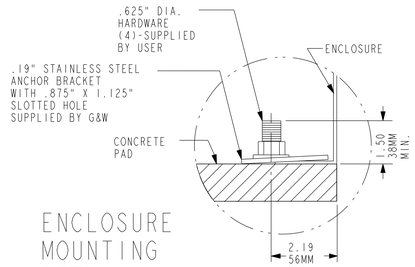
THREE LINE DIAGRAM

WEIGHT WITH GAS APPROX	5950	LBS/	2700	KG
SHIPPING WEIGHT APPROX	7400	LBS/	3357	KG
GAS REQUIRED APPROX	55.5	LBS/	25.2	KG



SECTION A-A

NEMA 4X JUNCTION BOX BOTTOM ENTRANCE VIEW



ENCLOSURE MOUNTING DETAIL "A"

PRINT IDENTIFICATION

DATE 12-15-25 G&W NO. 135068

CUSTOMER BRETCO INC

ORDER NO. P-BL0000526

[X] FOR RECORD ITEM NO. 1

[ ] FOR APPROVAL-NO MORE WORK TO BE DONE UNTIL APPROVAL IS RECEIVED

* 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.

TN160-376-25-60L

15.5KV 6 WAY SF6 GAS SWITCH

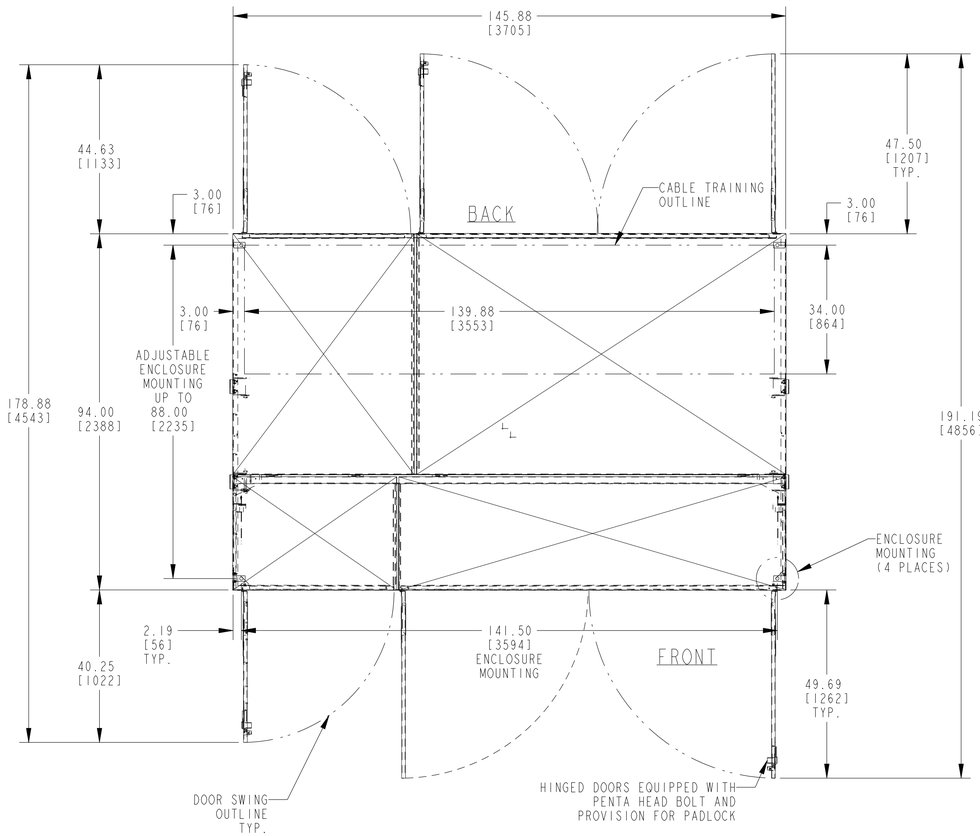
G&W ELECTRIC Co.

CAT. NO.: TN160-376-25-60L			DRAWING NO.	REV.
ENG/DES: ZF	ZF	DATE: Dec-08-25	D9498 0182 BDY	OR
APPR BY:		DATE:	SCALE:	SHEET: 1 of 2

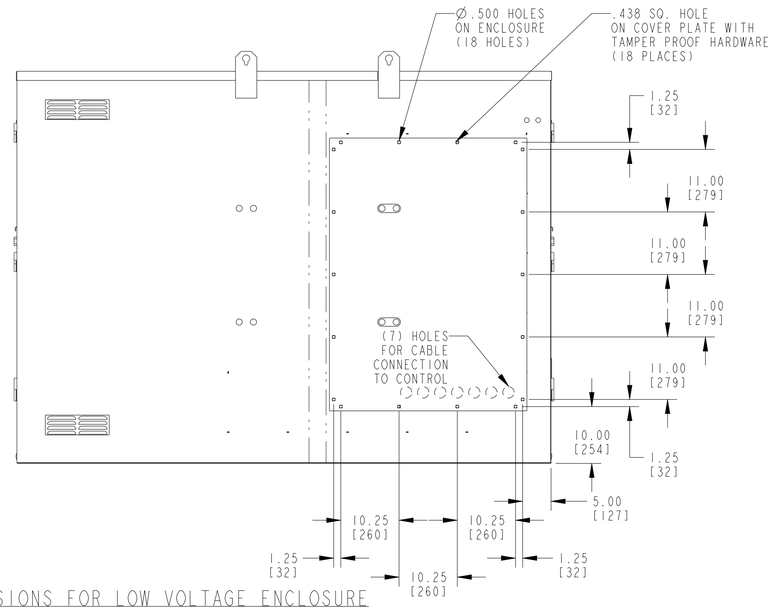
DWG. NO.: D9498 0182 BDY

SHEET 2 of 2

FINAL REVIEW		REVISIONS				
JMB		REV.	ECO	ENG	DES	DATE



PLAN VIEW SHOWING MOUNTING
DIMENSIONS AND MAXIMUM DIMENSIONS
WHEN ENCLOSURE DOORS ARE OPEN



PROVISIONS FOR LOW VOLTAGE ENCLOSURE
MOUNTING DIMENSION VIEW

NOTES:

1. ALL WAYS ARE EQUIPPED WITH INTERNAL SPRING OPERATORS AND EXTERNAL PROVISIONS FOR PADLOCKING IN ALL POSITIONS.
2. 1/4" THICK 304/304L STAINLESS STEEL TANK, WELDED CONSTRUCTION, PAINTED ASA 70 LIGHT GRAY.
3. 304 STAINLESS STEEL ENCLOSURE FINISHED PADMOUNT GREEN MUNSELL 7GY3.29/1.5. ENCLOSURE DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH IEEE C37.62, C37.74, AND C37.75 (AS APPLICABLE). DRAWING IS TYPICAL AND SHOWS OVERALL DIMENSIONS ONLY.CONSTRUCTION DETAILS MAY VARY FROM THOSE DEPICTED.
4. WHEN ELBOWS, INSERTS, AND ANY OTHER ACCESSORIES ARE CONNECTED TO THE SWITCH, THE RATINGS OF EACH CONNECTED ASSEMBLY WILL BE THAT OF THE LOWEST RATED COMPONENT OF THE ASSEMBLY.
5. MOUNTING INFORMATION: THE FRAME OF THE SWITCH MUST BE ANCHORED TO THE PAD. THE FRAME IS EQUIPPED WITH (4) SLOTTED ANCHORING HOLES, EACH MEASURING 9/16" X 1". 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.
6. SWITCH IS EQUIPPED WITH INTERNAL 1000:1 CURRENT TRANSFORMERS ON ALL WAYS.
7. ALL WAYS INCLUDE A TYPE 3 VACUUM INTERRUPTER CONTROL WITH THE EZSET SETTING OPTION FOR OVERCURRENT PROTECTION. THE CONTROLS ARE HOUSED IN A NEMA 4X ENCLOSURE. CUSTOMER IS RESPONSIBLE FOR ENTERING PROTECTION SETTINGS INTO THE CONTROL BEFORE ENERGIZING.
8. SWITCH IS EQUIPPED WITH PROGRAMMING KIT FOR THE VACUUM INTERRUPTER CONTROL.
9. SWITCH IS EQUIPPED WITH PROVISIONS FOR MOTOR OPERATOR ON ALL WAYS. SWITCH EQUIPPED WITH INTERNAL POSITION INDICATION ON ALL WAYS. INTERNAL POSITION INDICATION IS FOR FUTURE MOTOR CONTROL USE.
10. LOAD BREAK MECHANISMS ON ALL WAYS ARE EACH EQUIPPED WITH ONE AUXILIARY FORM C CONTACT PER SWITCH POSITION (OPEN, CLOSED, AND GROUND). THE CONTACTS ARE WIRED TO THE JUNCTION BOX FOR CUSTOMER USE.
11. FAULT INTERRUPTER MECHANISMS ON ALL WAYS ARE EACH EQUIPPED WITH ONE AUXILIARY FORM C CONTACT. THE CONTACT IS WIRED TO THE JUNCTION BOX FOR CUSTOMER USE. EACH FORM C CONTACT CAN BE WIRED AS A 52A OR 52B.
12. SWITCH IS EQUIPPED WITH ONE NEMA 4X JUNCTION BOX. JUNCTION BOX INCLUDES (6) 24-POINT TERMINAL STRIPS AND (6) SHORTING BLOCKS. JUNCTION BOX TAKES IN AUXILIARY CONTACT AND INTERNAL FEEDBACK CABLES FROM ALL WAYS FOR CUSTOMER USE. SHORTING BLOCKS ARE FOR CUSTOMER PROVIDED CTS.
13. SWITCH IS EQUIPPED WITH MOUNTING PROVISIONS FOR CUSTOMER SUPPLIED ABB SCG STYLE CURRENT TRANSFORMERS. HARDWARE AND GLASTIC COVERS FOR EXTERNAL CTS SHIPPED UNATTACHED.
14. SWITCH IS EQUIPPED WITH VOLTAGE SENSING BUSHINGS ON ALL WAYS. THE BUSHINGS ARE CONNECTED TO THE VOLTAGE PANEL TO PROVIDE VOLTAGE AND PHASE INDICATION. VOLTAGE PANEL IS RATED IP68

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TN160-376-25-60L

15.5KV 6 WAY SF6 GAS SWITCH

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