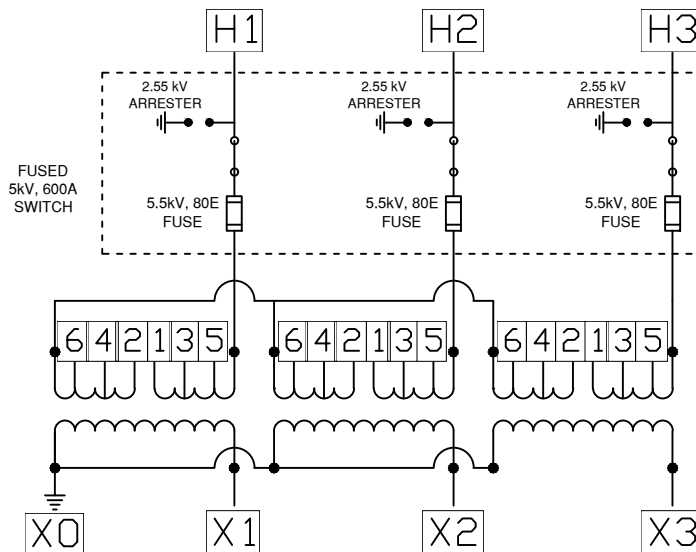
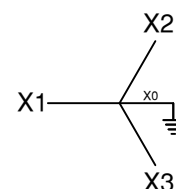
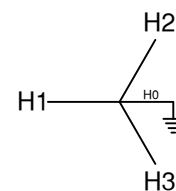


DRY TYPE TRANSFORMER

SN	340375D06HC01-43048					DATE	X/XX	IMP X.XX% @170°C
KVA	375	PHASE	3	AMB.	35°C	HERTZ	60	
TYPE	AA		RISE	150°C		CLASS	H	220°C INS
PRI:	4160 GRD Y/2401		AMPS	52.0		BIL	95	CU COND
SEC:	480 GRD Y/277		AMPS	451.0		BIL	10	CU COND
TAPS	VOLTS			AMPS			CORE & COIL WT.	
1-2	4368			49.6				
2-3	4264			50.8				
3-4	4160			52.0			XXXX LBS.	
4-5	4056			53.4			APPROXIMATE TOTAL WT.	
5-6	3952			54.8				
CAUTION: DE-ENERGIZE TRANSFORMER BEFORE CHANGING TAPS							XXXX LBS.	



INSTRUCTION
BOOK NO.
INST-001



MANUFACTURED WITH PRIDE IN
WYTHEVILLE, VA, USA 24382



METAL ENCLOSED INTERRUPTER SWITCH

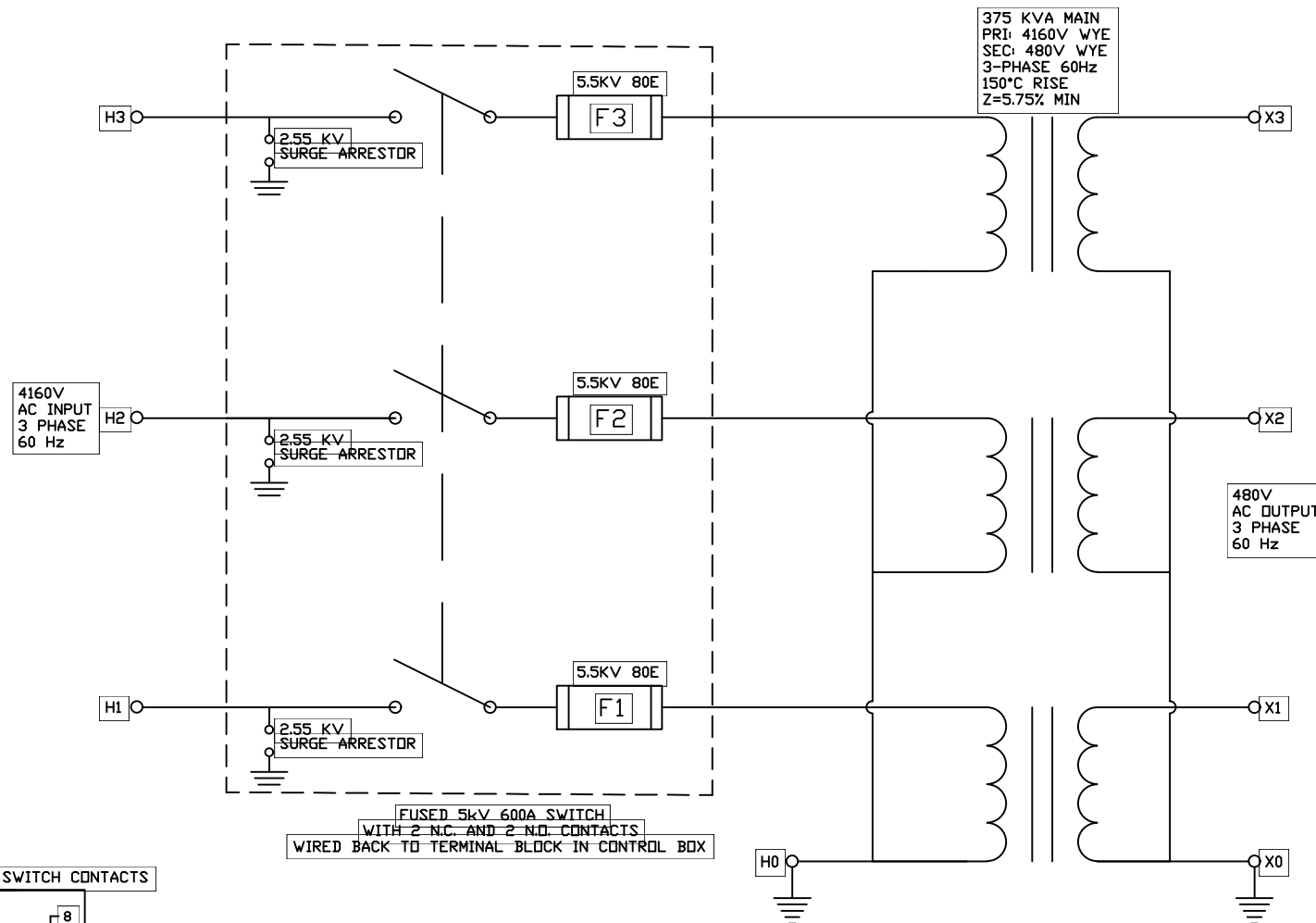
MTC SERIAL #	340375D06HC01-43048
MAXIMUM VOLTAGE	5 kV
BASIC IMPULSE LEVEL	60 kV BIL
CONTINUOUS CURRENT	600 AMP
MOMENTARY WITHSTAND	61 kA
FAULT CLOSE	40 kA
FREQUENCY	60 Hz
FUSE RATING	80E

SCHAFFNERMTC TRANSFORMERS
823 FAIRVIEW RD., WYTHEVILLE, VA 24382 USA
(276)-228-7943

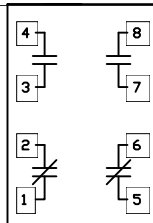


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BY: JMS 10/29/15	CUSTOMER: SIEMENS ENERGY, INC.	DESIGN NUMBER: 340375D06HC01
CHK: JPS 10/29/15	DRAWING TITLE: TRANSFORMER NAMEPLATE	JOB NUMBER: 43048
APP: JMS 10/29/15	SHEET: 13S	REV: 0



DISCONNECT SWITCH CONTACTS

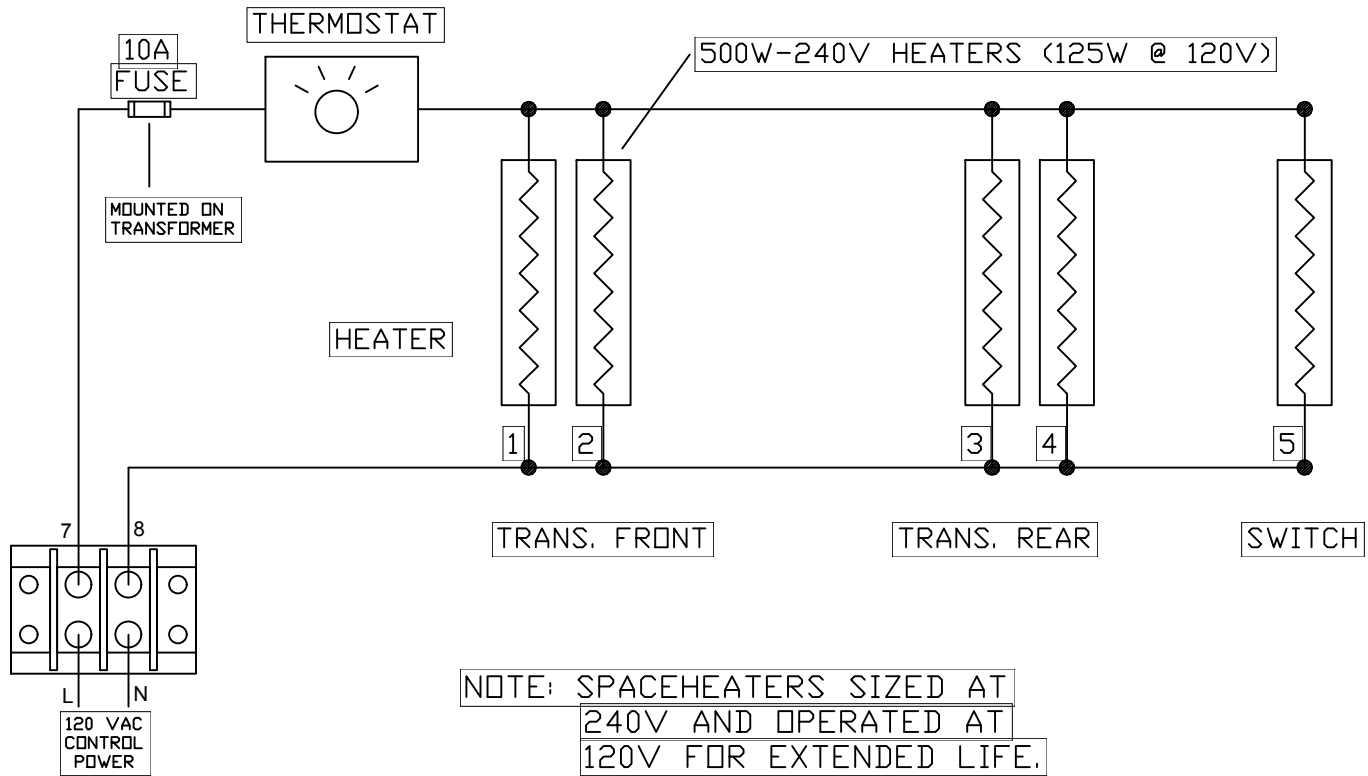


SHOWN WITH SWITCH OPEN

CUSTOMER: SIEMENS ENERGY, INC. LOCATION: Vionx Energy - BoE CUSTOMER PO: 4580242035			
DRAWING TITLE: SWITCH / FUSES JN: 43048 DN: 340375D06HC01			
BY:	JMS 10/29/15	DRAWING NUMBER:	43048-21
CHK:	JMS 10/29/15		
APP:	JMS 10/29/15	SHT:	21
		REV:	0

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SPACEHEATERS



NOTE: SPACEHEATERS SIZED AT 240V AND OPERATED AT 120V FOR EXTENDED LIFE.

Parts List

ITEM DESCRIPTION	LENGTH	Quantity
SPACE HEATERS		5
THERMOSTAT		1
2 POINT TERMINAL BLOCK		1
#12 CONTROL WIRE	AS NEEDED	
10 AMP INLINE FUSE w/FUSE BLOCK		1



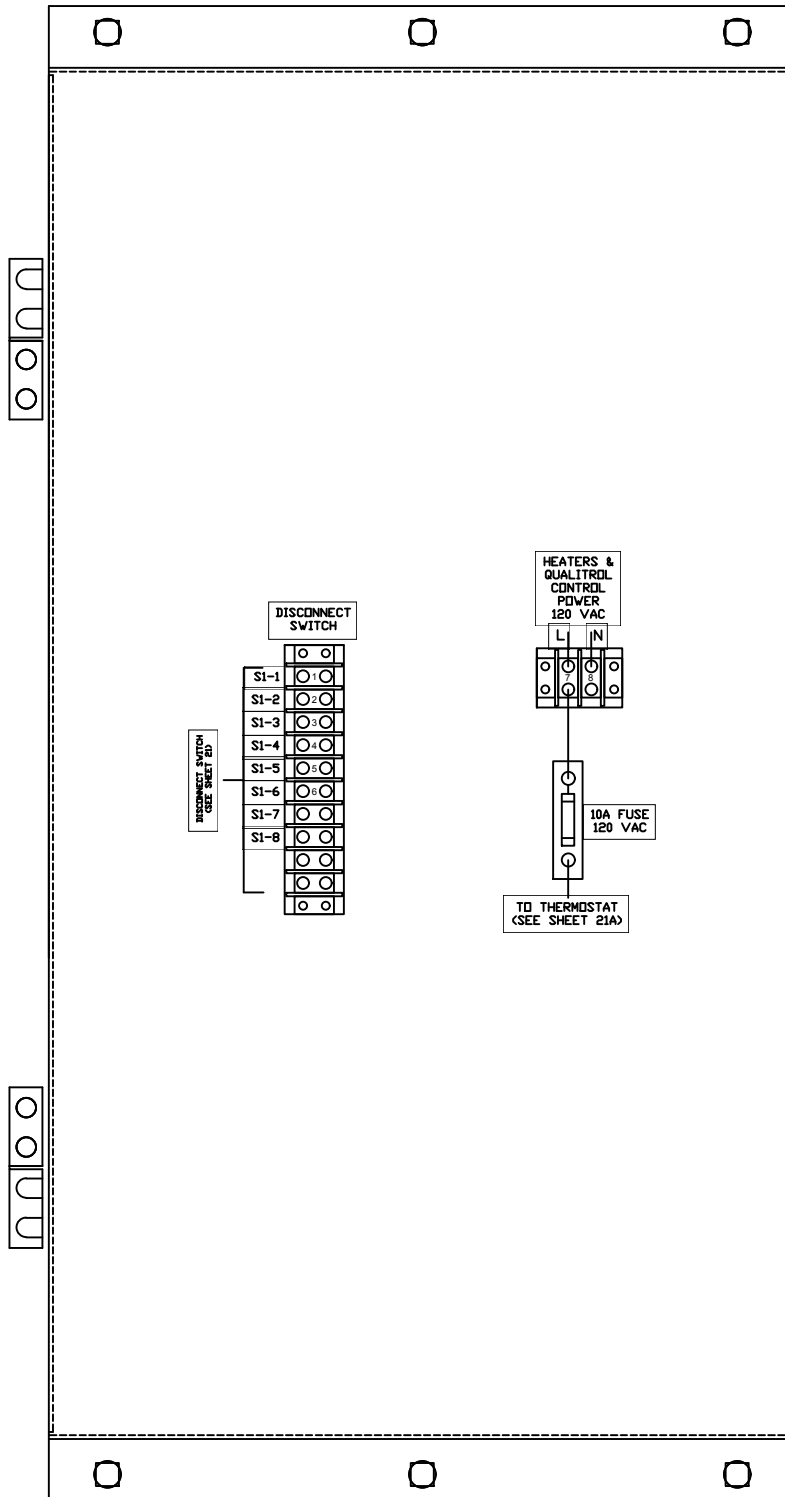
CUSTOMER: SIEMENS ENERGY, INC.
LOCATION: Vionx Energy DoE
CUSTOMER PO: 4580242035

DRAWING TITLE: SPACE HEATERS
JN: 43048
DN: 340375D06HC01

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BY: JMS 10/29/15	DRAWING NUMBER:	
CHK: JPS 10/29/15	43048-21A	
APP: JMS 10/29/15	SHT: 21A	REV: 0

CONTROL BOX LAYOUT



ALL WIRING NEEDS TO BE LABELED

ALL TERMINAL BLOCKS ARE
RATED 600V, 20A

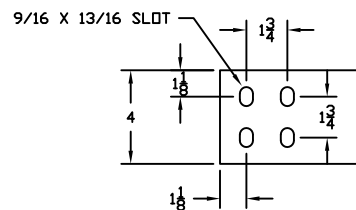
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SCHAFNER **MTc**
transformers

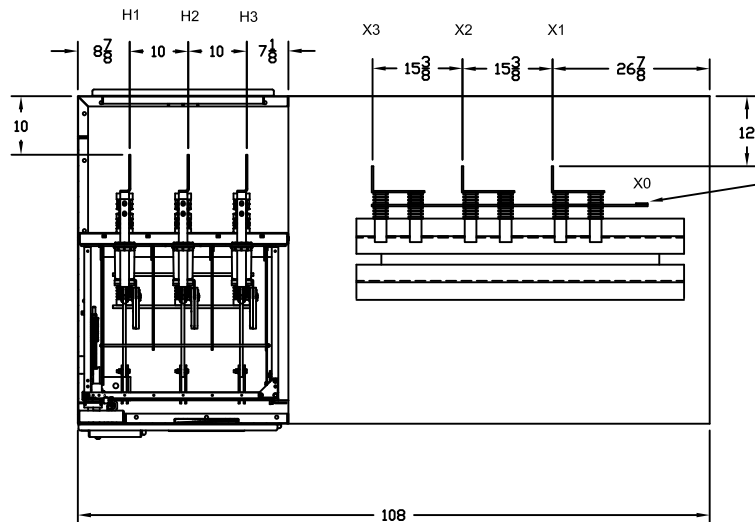
CUSTOMER: SIEMENS ENERGY, INC.
LOCATION: Vionx Energy - DoE
CUSTOMER-PB: 4580242035

DRAWING TITLE: CONTROL BOX
JN: 43048
DN: 340375D06HC01

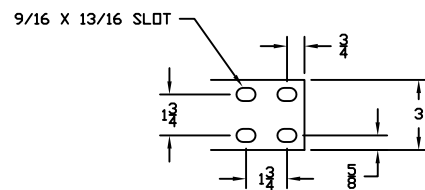
BY: JMS 10/29/15	DRAWING NUMBER:
CHK: JPS 10/29/15	43048-21B
APP: JMS 10/29/15	SHT: 21B REV: 0



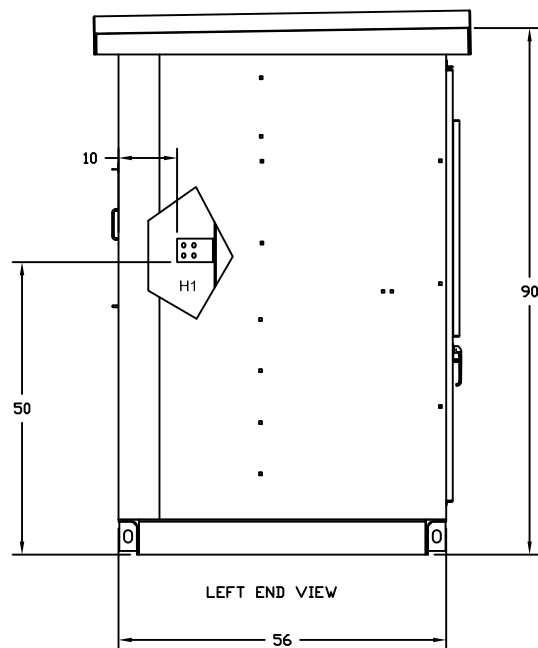
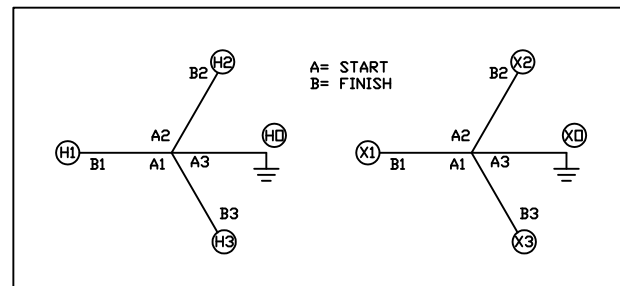
PRIMARY SWITCH TERMINATION DETAIL
MATERIAL: 1/4 X 4.00 COPPER



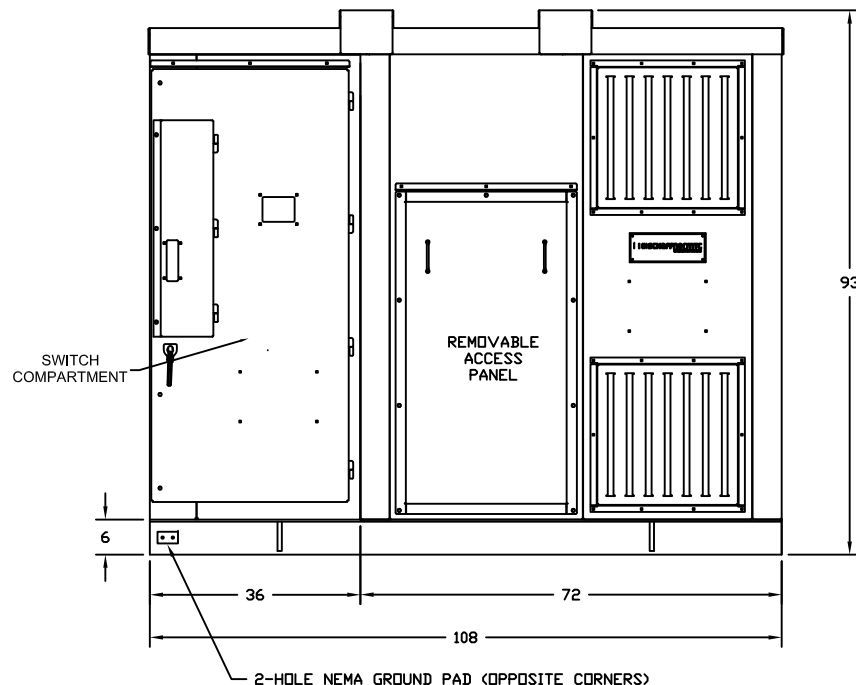
DISCONNECT LINK



SECONDARY TRANSFORMER TERMINATION DETAIL
MATERIAL: 1/4 X 3.00 COPPER



LEFT END VIEW

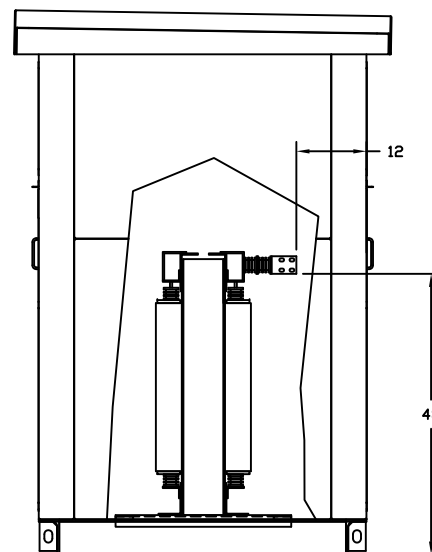


SWITCH COMPARTMENT

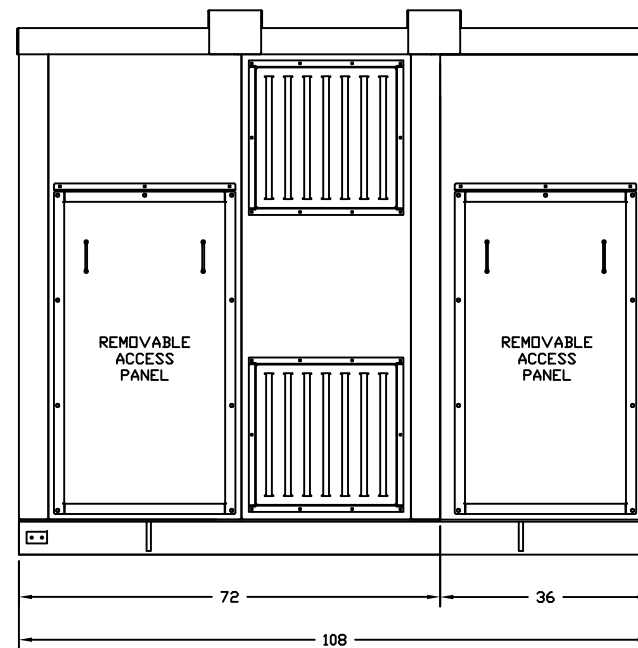
REMOVABLE ACCESS PANEL

REMOVABLE ACCESS PANEL

2-HOLE NEMA GROUND PAD (OPPOSITE CORNERS)

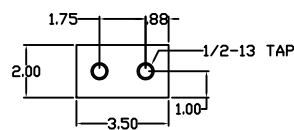


RIGHT END VIEW



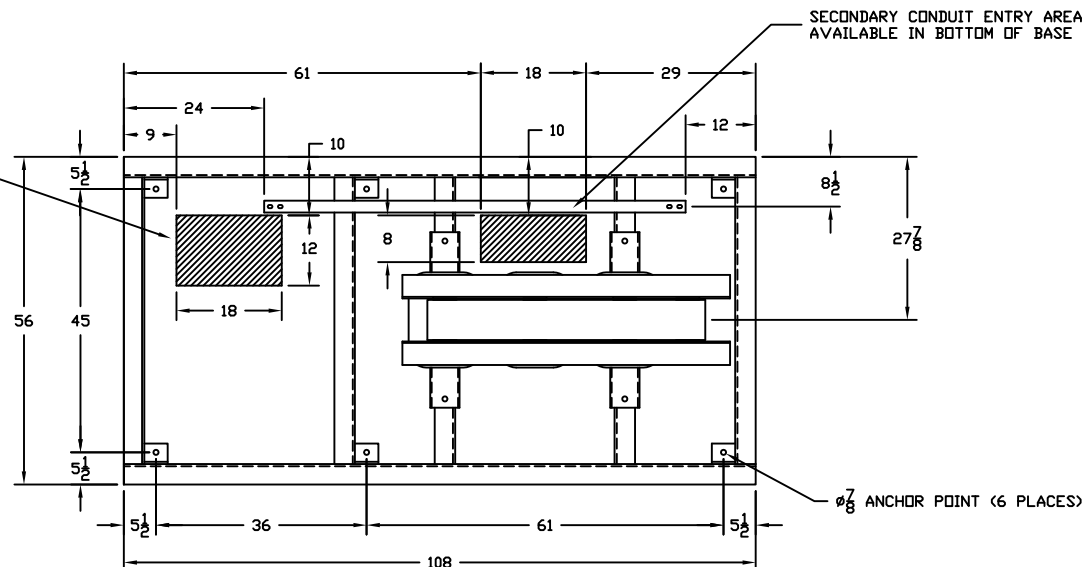
REMOVABLE ACCESS PANEL

REMOVABLE ACCESS PANEL



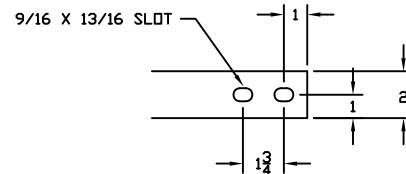
'GROUND PAD DETAIL'
1/2" STAINLESS STEEL

PRIMARY CONDUIT ENTRY AREA AVAILABLE IN BOTTOM OF BASE



SECONDARY CONDUIT ENTRY AREA AVAILABLE IN BOTTOM OF BASE

Ø 7/8 ANCHOR POINT (6 PLACES)



GROUND BUS TERMINATION DETAIL
MATERIAL: 1/4 X 2.00 COPPER

ALL DIMENSIONS ± .125

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NEMA 3R (OUTDOOR) ENCLOSURE
FINISH: ANSI 61 GRAY POWDER COAT

BASE FINISH: BLACK MACRO-POXY
BASE MATERIAL: STRUCTURAL STEEL

SPACEHEATERS: SEE SHEET 21A

PRIMARY LOADBREAK SWITCH

PRIMARY VOLTAGE: 5 kV
600A CONTINUOUS CURRENT
61kA MOMENTARY
40kA FAULT CLOSE
60 KV BIL
(3) 5 KV 80E CURRENT LIMITING FUSES
AUXILLIARY CONTACTS PROVIDED FOR OPERATIONS MONITORING.
(3) 2.5 kV DISTRIBUTION CLASS LA'S

DRY TYPE TRANSFORMER

CONDUCTOR	COPPER	PHASE	3	HERTZ	60
TYPE	AA	RISE	150°C	CLASS	H
PRI	4160 WYE	AMPS	52.0	BIL	60
SEC	480Y/277	AMPS	451.0	BIL	10

APPROXIMATE IMPEDANCE: 5.75%

PRIMARY TAPS: 2 @ ± 2.5%

98% MINIMUM EFFICIENCY

2016 DOE COMPLIANT

VPI COIL PROCESSING

APPROXIMATE CORE AND COIL WEIGHT: 5,000 lbs.

APPROXIMATE TOTAL WEIGHT: 8,000 lbs.

SCHAFNER MTC
transformers

CUSTOMER NAME: SIEMENS ENERGY, INC.
PROJECT: Vionx Energy - DoE
CUSTOMER P.O.#: 4580242035

MTC DESIGN #: 340375D06HC01

BY: MCM 02/04/16

CHK: HEF 02/04/16

APP: JMS 02/04/16

DRAWING NUMBER:

43048-30

SHEET: 30 REV. 0