

# Eaton MV AutoVAR Approval Drawings

## Table of Contents

[Outline Drawing](#)

[Control Panel Drawings](#)

[Shipping Section Details](#)

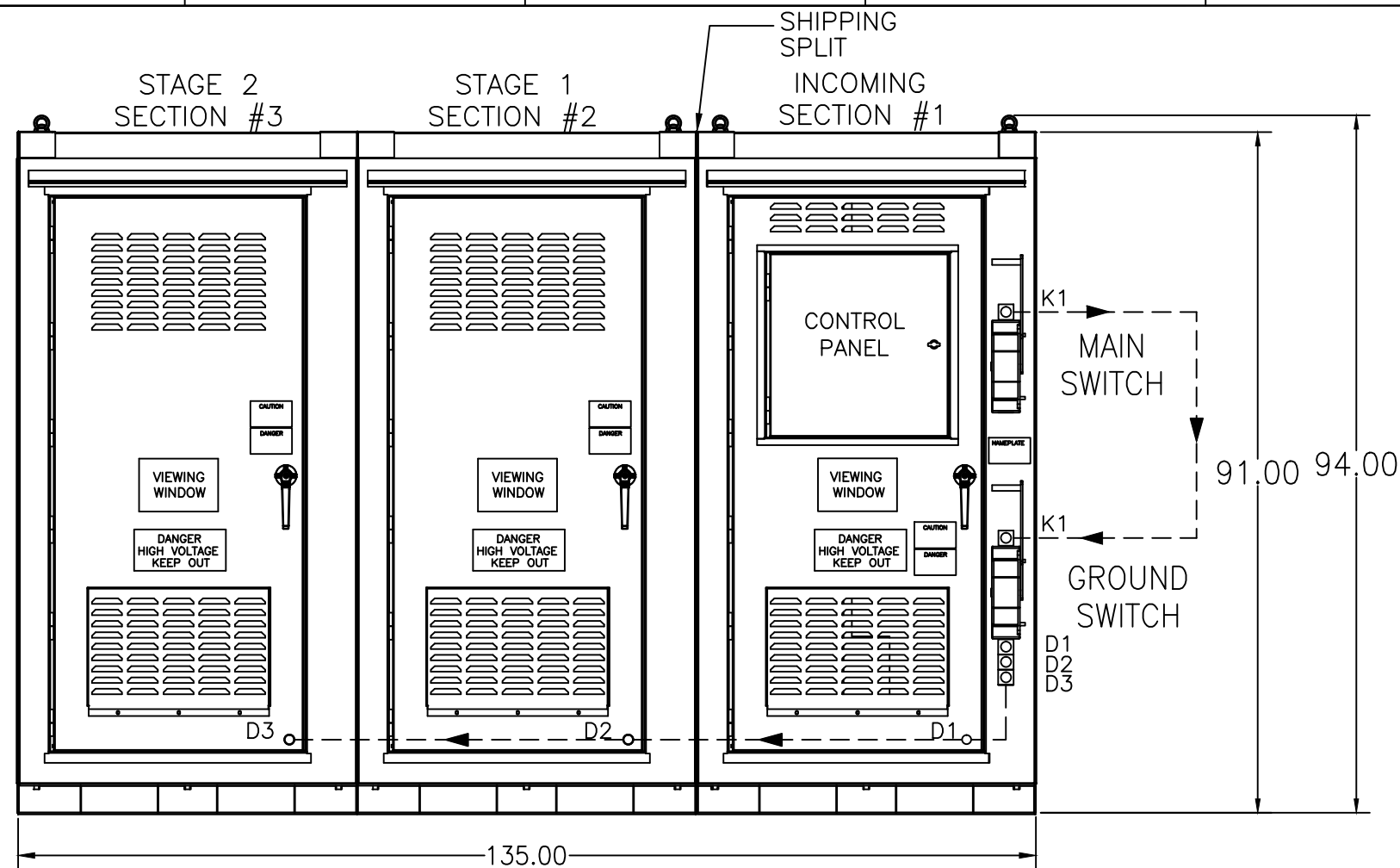
[Three-line Drawing](#)

[Control Drawings](#)

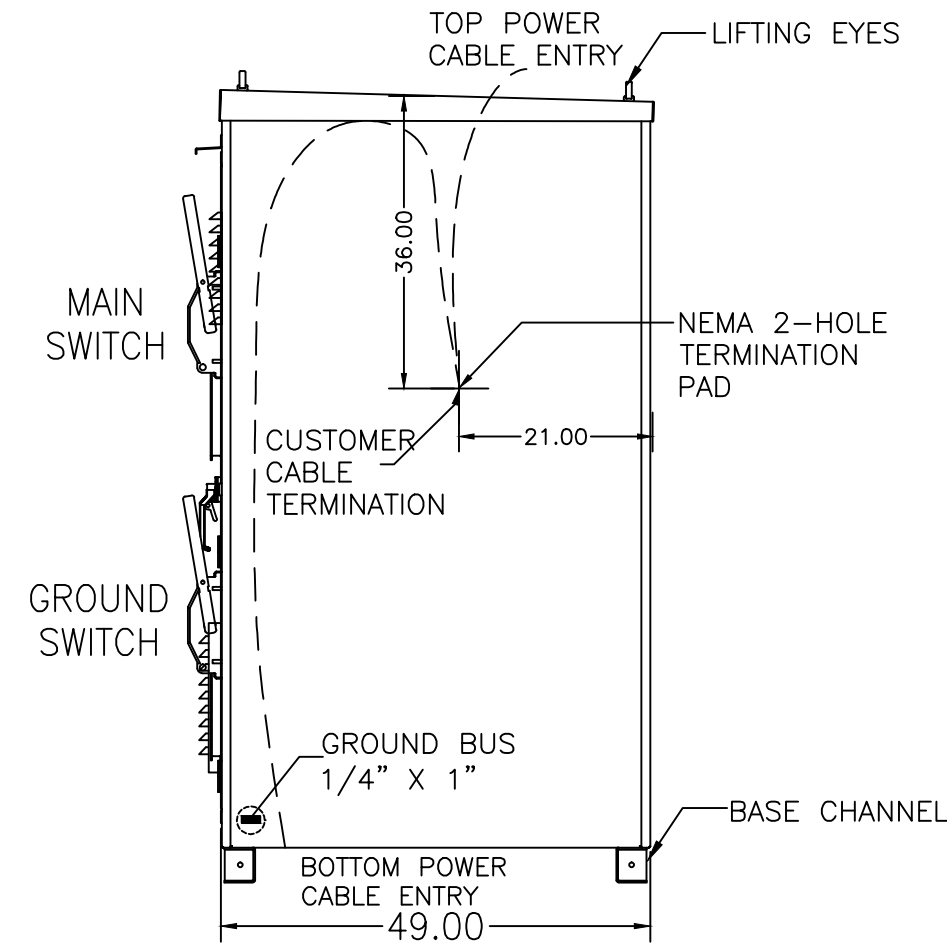
[Power Factor Control Relay Settings](#)

[Protective Meter/Relay Settings](#)

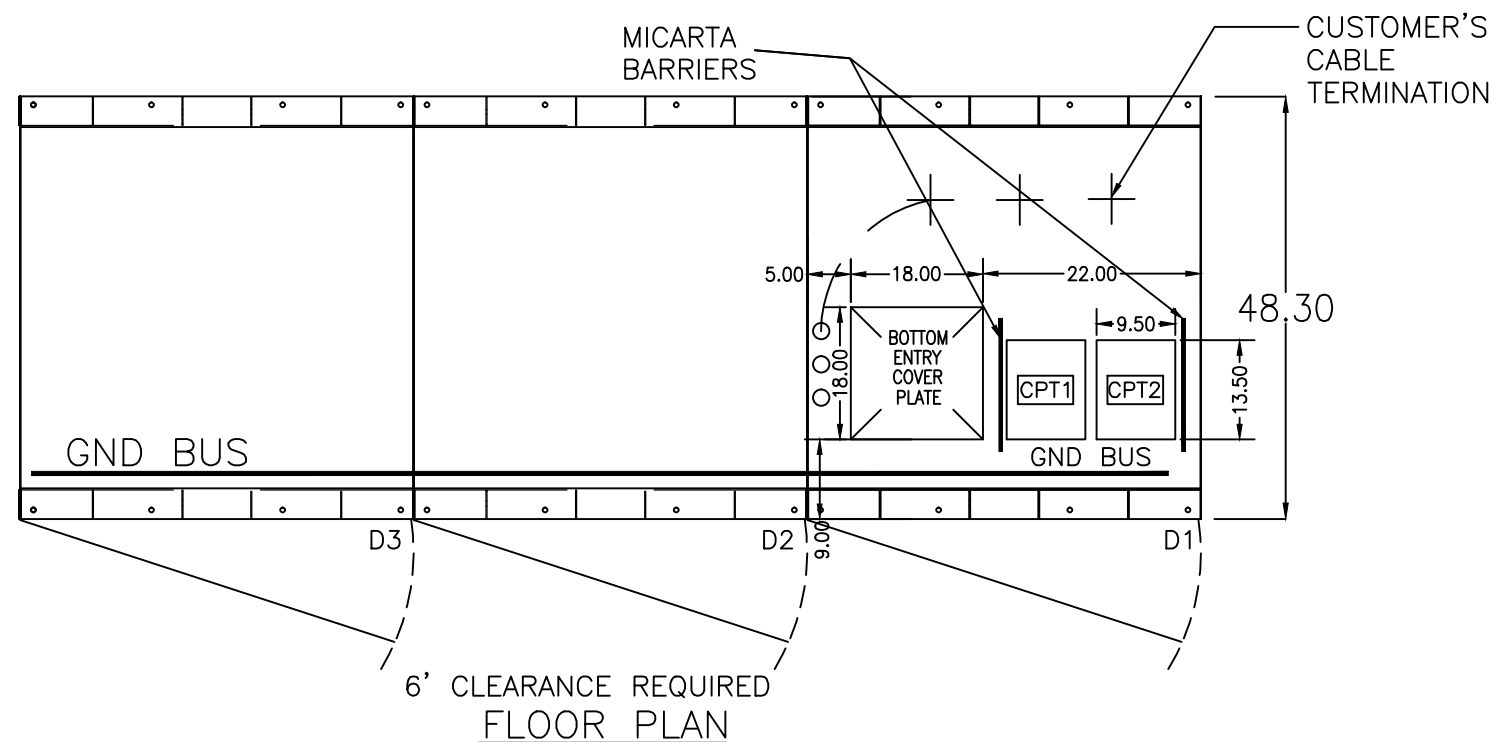
[Rating Plate Drawing](#)



FRONT ELEVATION



RIGHT SIDE ELEVATION

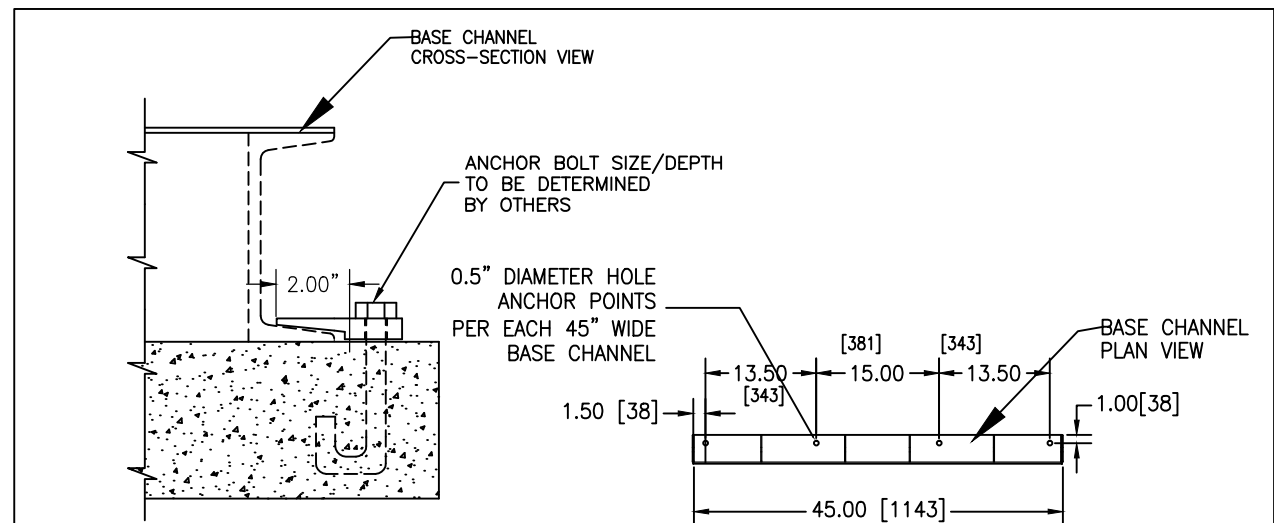


6' CLEARANCE REQUIRED FLOOR PLAN

NOTES:

1. ESTIMATED OVERALL WEIGHT: 7,000 LBS
2. DIMENSIONS SHOWN ARE IN INCHES.
3. ENCLOSURE IS NEMA 3R WITH AIR FILTERS & GASKETS.
4. K1, D1, D2, D3 ARE KIRK KEY INTERLOCKS.
5. SEE DWG ZOMV1CU4S02 FOR INSTALLATION NOTES & DETAILS.
6. MAXIMUM SHIPPING SECTION WEIGHT IS 5,000LBS.
7. MAXIMUM SHIPPING SECTION DIMENSION WITH WOOD PALLET & LIFTING EYES IS 99"H X 106"W X 65"D.
8. ENCLOSURE PAINT ANSI 61 GRAY FINISH.

00 REVISION	<b>Issued For Approval</b> <small>The information on this document is intended to convey and document that the contract specification has been accurately interpreted and may not be accurate for construction purposes.</small>		<small>THE INFORMATION ON THIS DOCUMENT WAS CREATED BY EATON CORPORATION. IT WAS DISCLOSED IN CONFIDENCE AND IS ONLY TO BE USED FOR THE PURPOSE IN WHICH IT WAS SUPPLIED.</small>		DFTR EATON	DATE 08/04/2016		ARDEN, NC		
					ENGR EATON	DATE 08/04/2016		TITLE 478kVAR 4.16kV 2-STAGES FILTERED 4.2H UNIT PFC CAPACITOR BANK 5kV QS Std.		
					S.O. MV1CU4		EQUIPMENT PFC - POWER FACTOR CORRECTION		TYPE OUTLINE	
			FEDERAL ID NO. 88725	PRODUCT CODE 8554	REVISION 00	SIZE D	G.O. -	DWG ZOMV1CU4S01	SHEET 1 OF 11	



**ANCHORING OPTION 1:**  
TYPICAL ANCHORING CLIP DETAIL

**ANCHORING OPTION 2:**  
ANCHORING HOLE DETAIL

NOTE: ANCHOR EQUIPMENT AT MINIMUM 8 POINTS FOR ENTIRE LINE-UP SPACED EQUALLY. (4 IN FRONT AND 4 IN BACK)

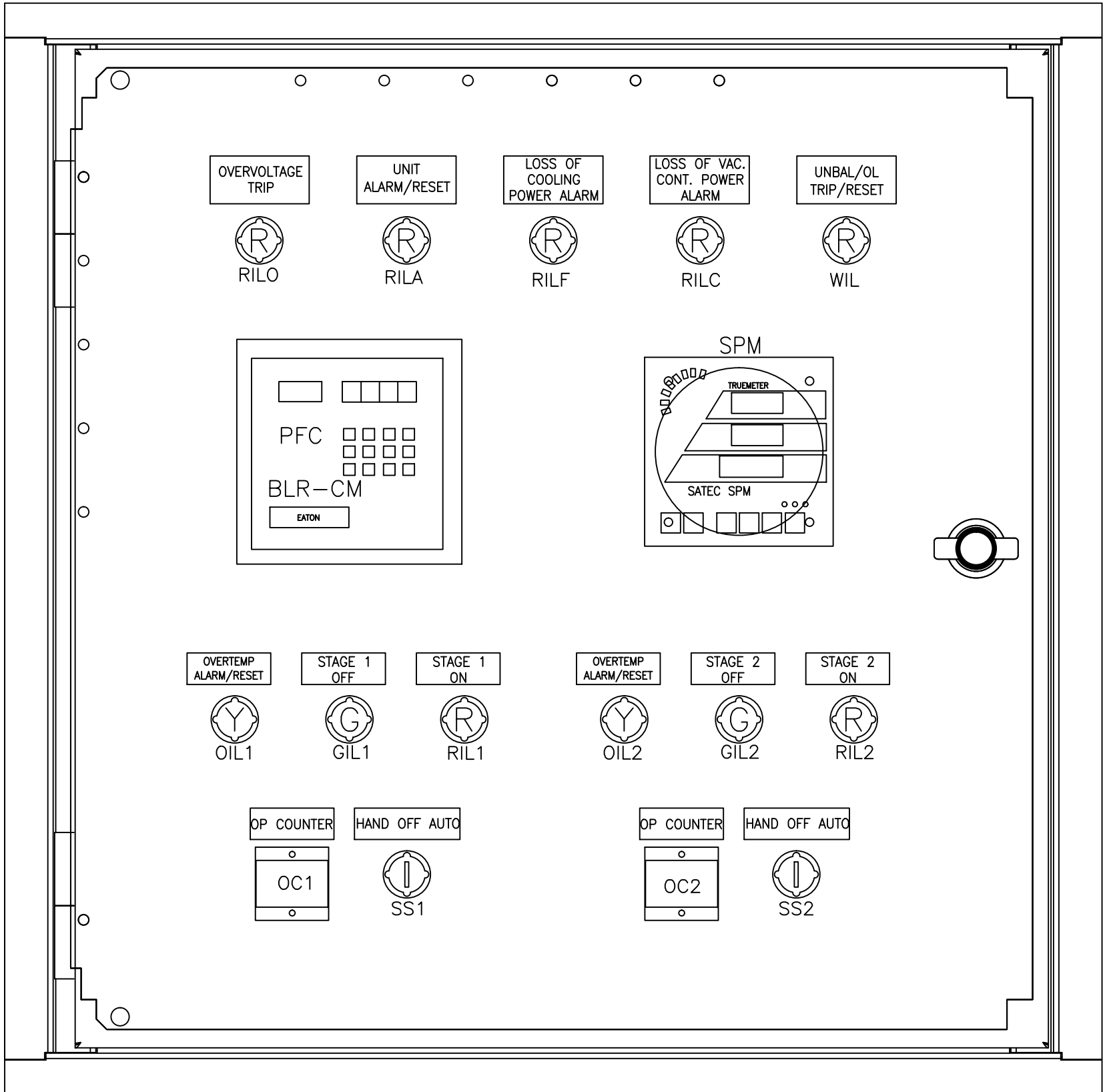
**INSTALLATION NOTES (REFER TO INSTALLATION & HANDLING INSTRUCTIONS SUPPLIED WITH DRAWING APPROVAL):**

1. M.V. SHIELDED CABLES / CONDUIT / LUGS PROVIDED BY CUSTOMER. SIZE CABLES MINIMUM 150% OF FULL LOAD AMPS.
2. UPSTREAM CIRCUIT BREAKER OR FUSED DISCONNECT FOR CAPACITOR FEEDER PROTECTION BY CUSTOMER.
3. FOR TOP ENTRY CONTRACTOR TO DRILL HOLES AND PROVIDE WATERTIGHT MYERS TYPE OR EQUAL HUBS FOR ALL CONDUIT.
4. USE SPREADER BARS TO LIFT 90" WIDE SHIPPING SECTIONS.
5. ANCHORING HARDWARE BY CUSTOMER/CONTRACTOR.
6. REMOVE ALL DUPLICATE KIRK KEYS FROM THE EQUIPMENT AND DESTROY.
7. CUSTOMER/CONTRACTOR TO CAULK SHIPPING SPLITS SECTIONS WITH OUTDOOR SILICONE CAULKING.
8. CUSTOMER/CONTRACTOR TO CONNECT MAIN/GROUND BUS WITH SPLICE PLATES AT SHIPPING SPLITS. COPPER SPLICE PLATES AND HARDWARE PROVIDED BY EATON CO.
9. CUSTOMER/CONTRACTOR TO CONNECT SHIPPING SECTIONS AT SITE. SHIPPING SPLIT HARDWARE PROVIDED BY EATON CO.
10. CUSTOMER/CONTRACTOR TO INTER-CONNECT CONTROL WIRING WIRE TERMINATIONS BETWEEN SHIPPING SPLITS. THE WIRES ARE PRE-WIRED WITH WITH MALE/FEMALE PLUGS OR RING TONGUE TYPE TERMINALS.

**OPERATING PROCEDURE:**

1. OPEN VACUUM CONTACTOR BY SELECTING OFF POSITION USING THE H-O-A SELECTOR SWITCH FOR ALL STAGES.
2. OPEN MAIN SWITCH MOVING HANDLE TO THE OPEN POSITION. "K1" WILL BE RELEASED.
3. WAIT 10 MINUTES FOR CAPACITORS TO DISCHARGE PRIOR TO CLOSE GROUND SWITCH. ATTENTION: INCOMING SECTION CAN STILL HAVE VOLTAGE PRESENT AT THREE PHASE LANDING PAD IF UPSTREAM BREAKER HAS NOT BEEN TURNED OFF.
4. PLACE K1 ON TOP OF GROUND SWITCH ROTATE KEY AND MOVE HANDLE TO THE CLOSE POSITION. KEYS "D1", "D2" AND "D3" WILL BE RELEASED.
5. INSERT KEYS "D1", "D2" AND "D3" ON DOOR KIRK LOCKS TO UNLOCK DOORS. INSERT BLACK DOOR HANDLE LOCK KEY IN EACH DOOR HANDLE. PULL THE TRIGGER UNDER THE DOOR HANDLE AND THEN TURN HANDLE TO OPEN ENCLOSURE DOOR.
6. REVERSE PROCESS APPLIES FOR ENERGIZATION OF UNIT.

# CONTROL PANEL



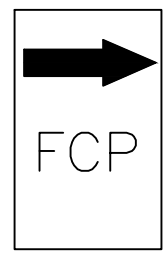
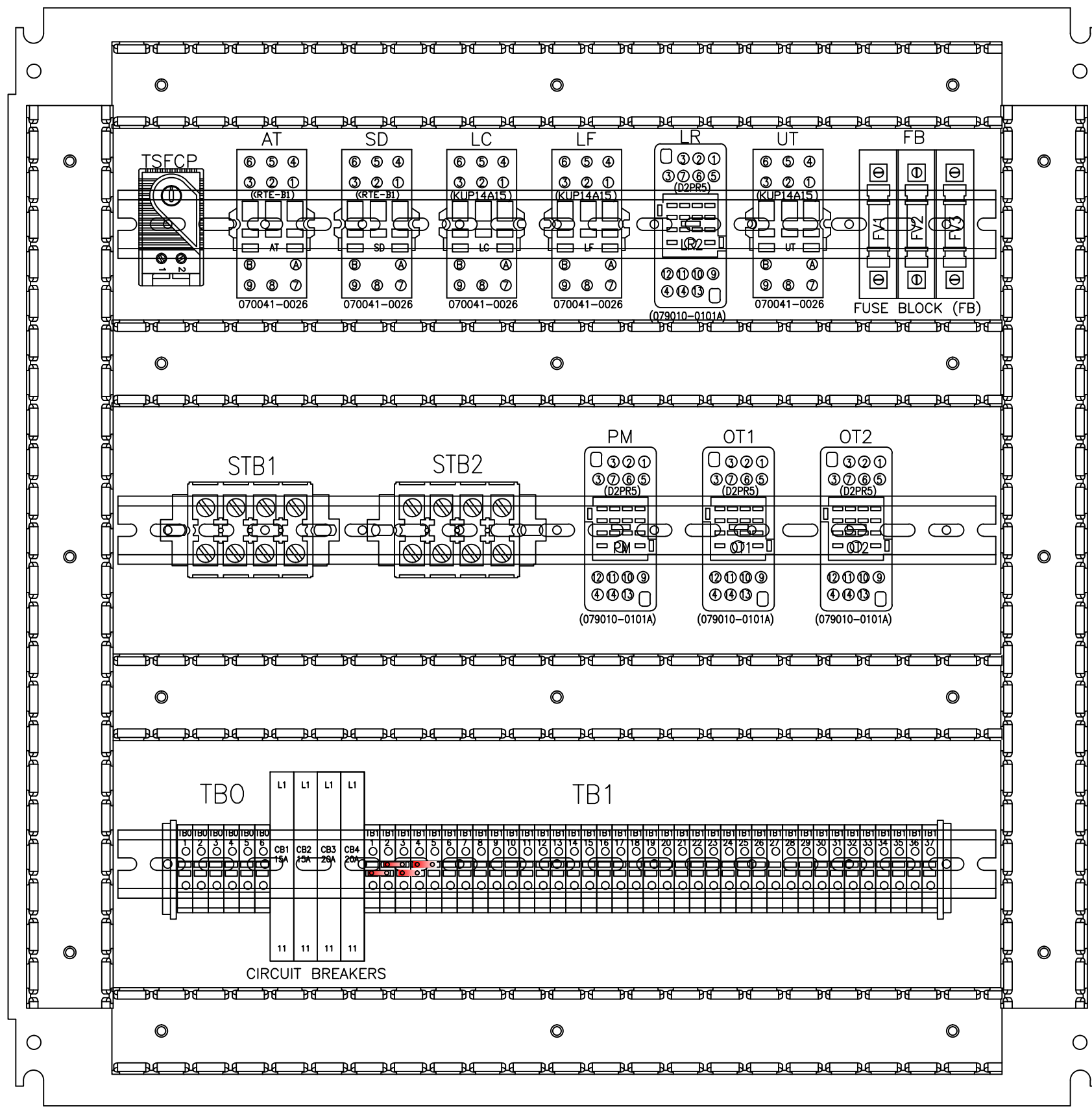
00
REVISION

**Issued For Approval**  
The information on this document is intended to convey and document that the contract specification has been accurately interpreted and may not be accurate for construction purposes.

THE INFORMATION ON THIS DOCUMENT WAS CREATED BY EATON CORPORATION. IT WAS DISCLOSED IN CONFIDENCE AND IS ONLY TO BE USED FOR THE PURPOSE IN WHICH IT WAS SUPPLIED.

DFTR	DATE
EATON	08/04/2016
ENGR	DATE
EATON	08/04/2016
S.O.	MV1CU4
FEDERAL ID NO.	PRODUCT CODE
88725	8554
REVISION	SIZE
00	D

ARDEN, NC	
TITLE 478kVAR 4.16kV 2-STAGES FILTERED 4.2H UNIT PFC CAPACITOR BANK 5kV QS Std.	
EQUIPMENT	TYPE
PFC - POWER FACTOR CORRECTION	DETAILS
G.O.	DWG
-	ZOMV1CU4S02
SHEET 2 OF 11	



CONTROL PANEL  
COOLING FAN

00  
REVISION

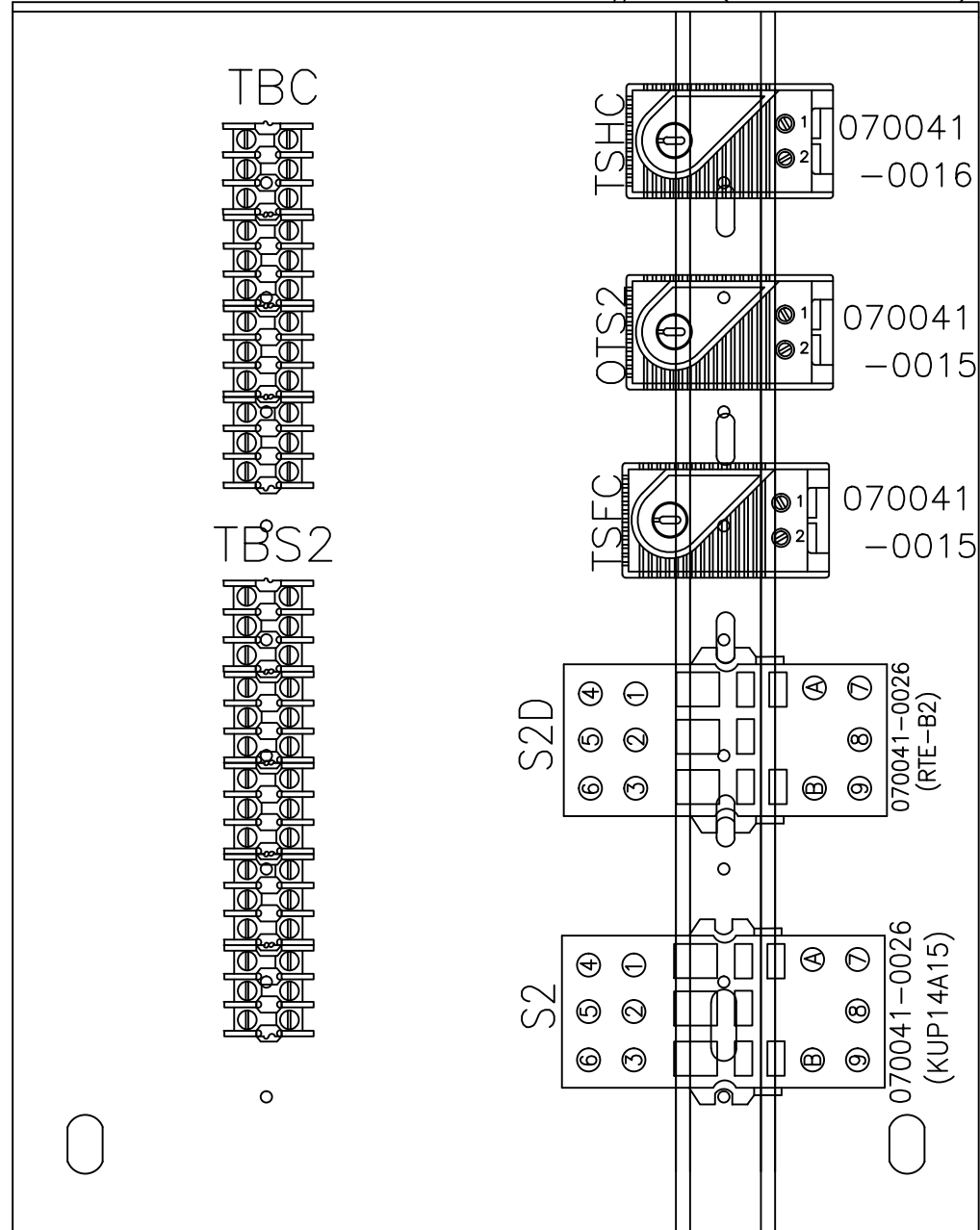
**Issued For Approval**  
The information on this document is intended to convey and document that the contract specification has been accurately interpreted and may not be accurate for construction purposes.

THE INFORMATION ON THIS DOCUMENT WAS CREATED BY EATON CORPORATION. IT WAS DISCLOSED IN CONFIDENCE AND IS ONLY TO BE USED FOR THE PURPOSE IN WHICH IT WAS SUPPLIED.

DFTR EATON	DATE 08/04/2016
ENGR EATON	DATE 08/04/2016
S.O. MV1CU4	
REVISION 00	SIZE D

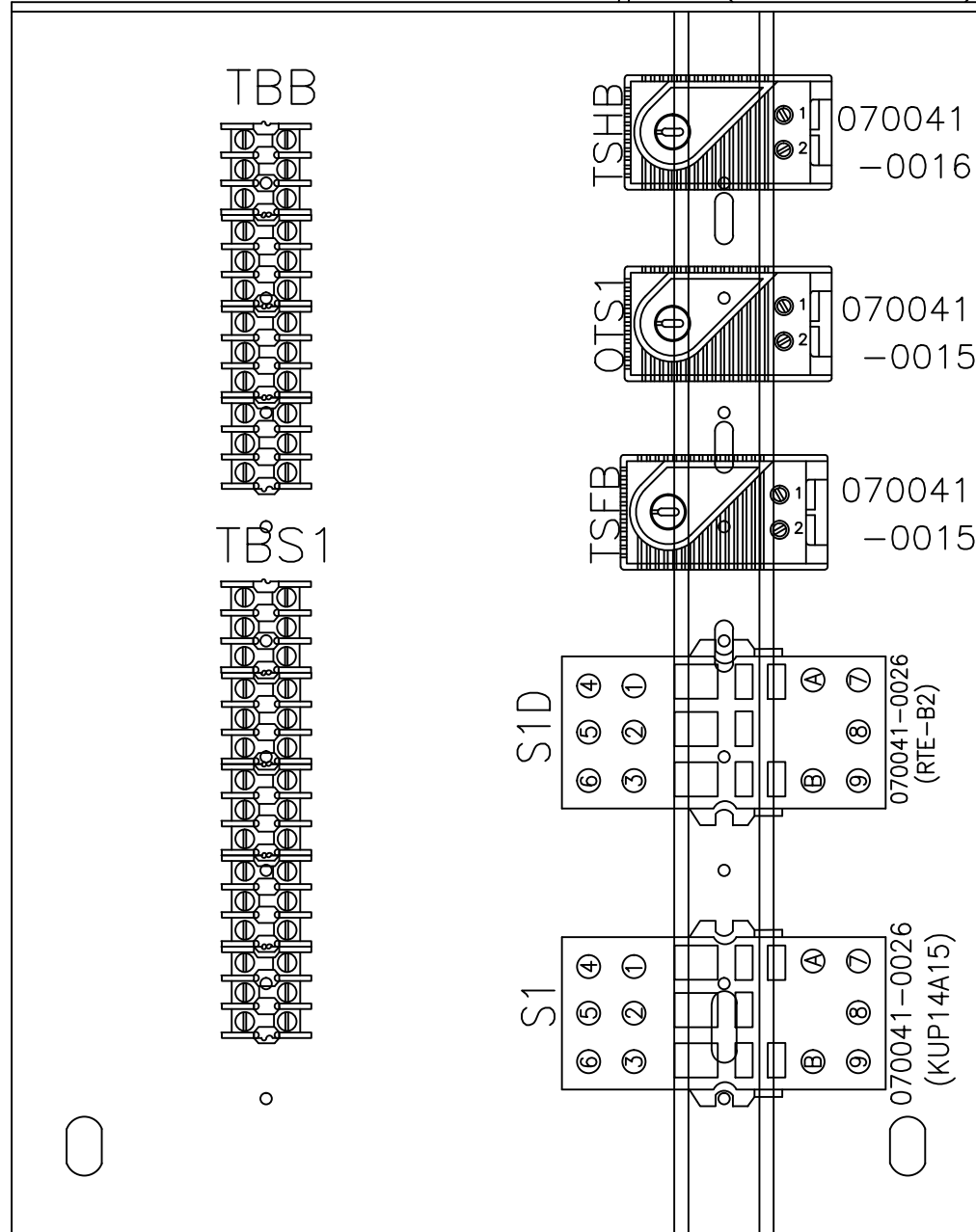
ARDEN, NC	
TITLE 478kVAR 4.16kV 2-STAGES FILTERED 4.2H UNIT PFC CAPACITOR BANK 5kV QS Std.	
EQUIPMENT PFC - POWER FACTOR CORRECTION	TYPE DETAILS
G.O. -	DWG ZOMV1CU4S03
SHEET 3 OF 11	

LOCATED IN SECTION #3 (STAGE 2)



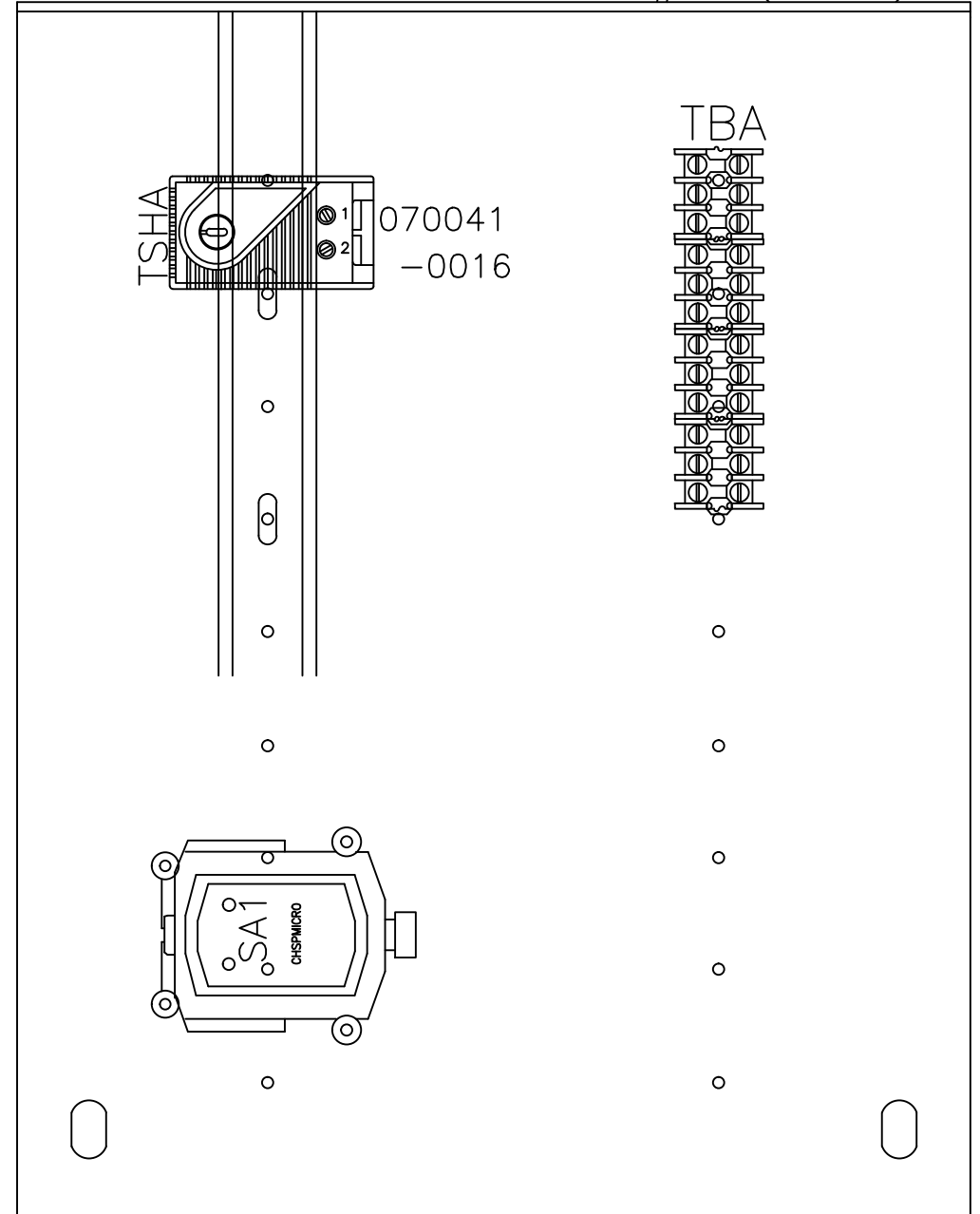
(C)

LOCATED IN SECTION #2 (STAGE 1)



(B)

LOCATED IN SECTION #1 (MAIN)



(A)

00

REVISION

**Issued For Approval**

The information on this document is intended to convey and document that the contract specification has been accurately interpreted and may not be accurate for construction purposes.

THE INFORMATION ON THIS DOCUMENT WAS CREATED BY EATON CORPORATION. IT WAS DISCLOSED IN CONFIDENCE AND IS ONLY TO BE USED FOR THE PURPOSE IN WHICH IT WAS SUPPLIED.

DFTR EATON	DATE 08/04/2016
ENGR EATON	DATE 08/04/2016



ARDEN, NC

TITLE  
478kVAR 4.16kV 2-STAGES FILTERED 4.2H UNIT PFC CAPACITOR BANK  
5kV QS Std.

S.O. MV1CU4

EQUIPMENT  
PFC - POWER FACTOR CORRECTION TYPE DETAILS

FEDERAL ID NO. 88725	PRODUCT CODE 8554
-------------------------	----------------------

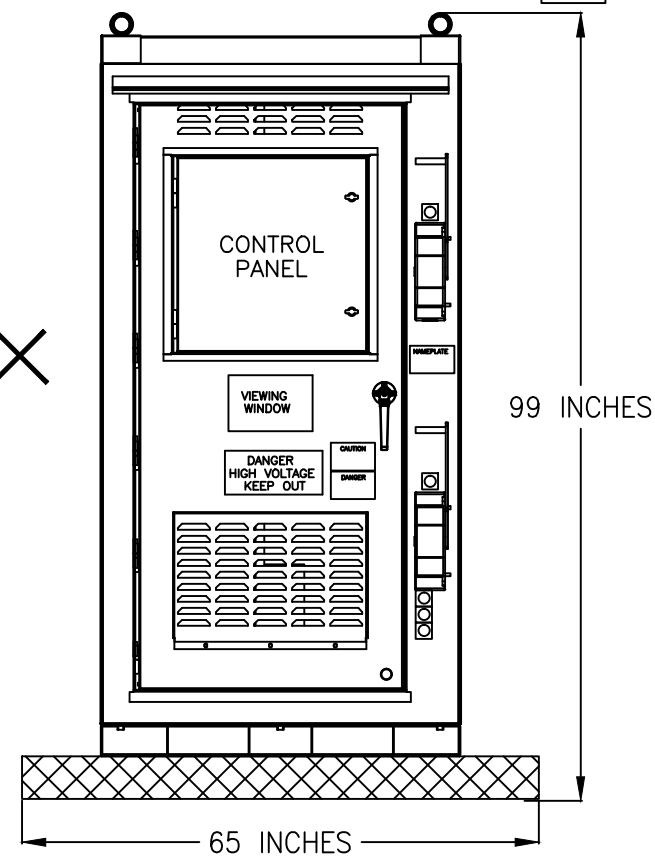
REVISION 00	SIZE D
----------------	-----------

G.O. -	DWG ZOMV1CU4S04
-----------	--------------------

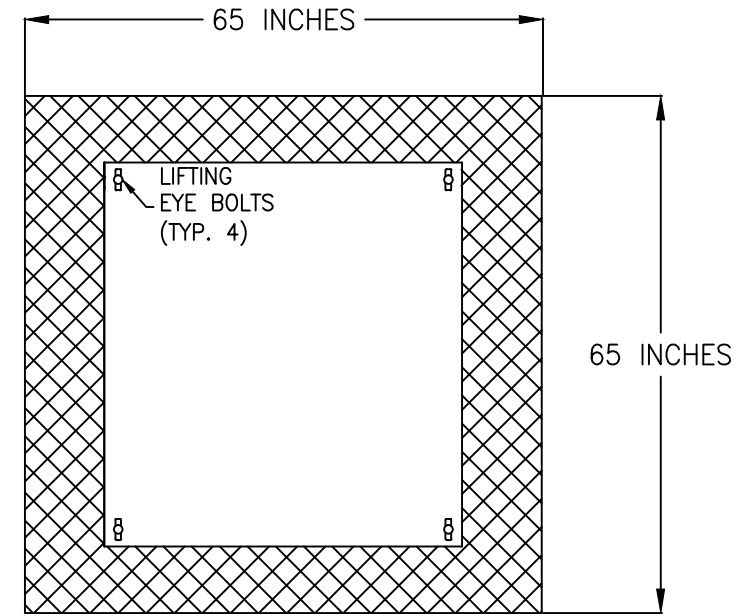
SHEET 4 OF 11
------------------

SINGLE-WIDE SHIPPING SECTION

SHIPPING SECTION WEIGHT: 2250 LBS (EACH)  
 NO. OF SINGLE-WIDE SHIPPING SECTIONS 1



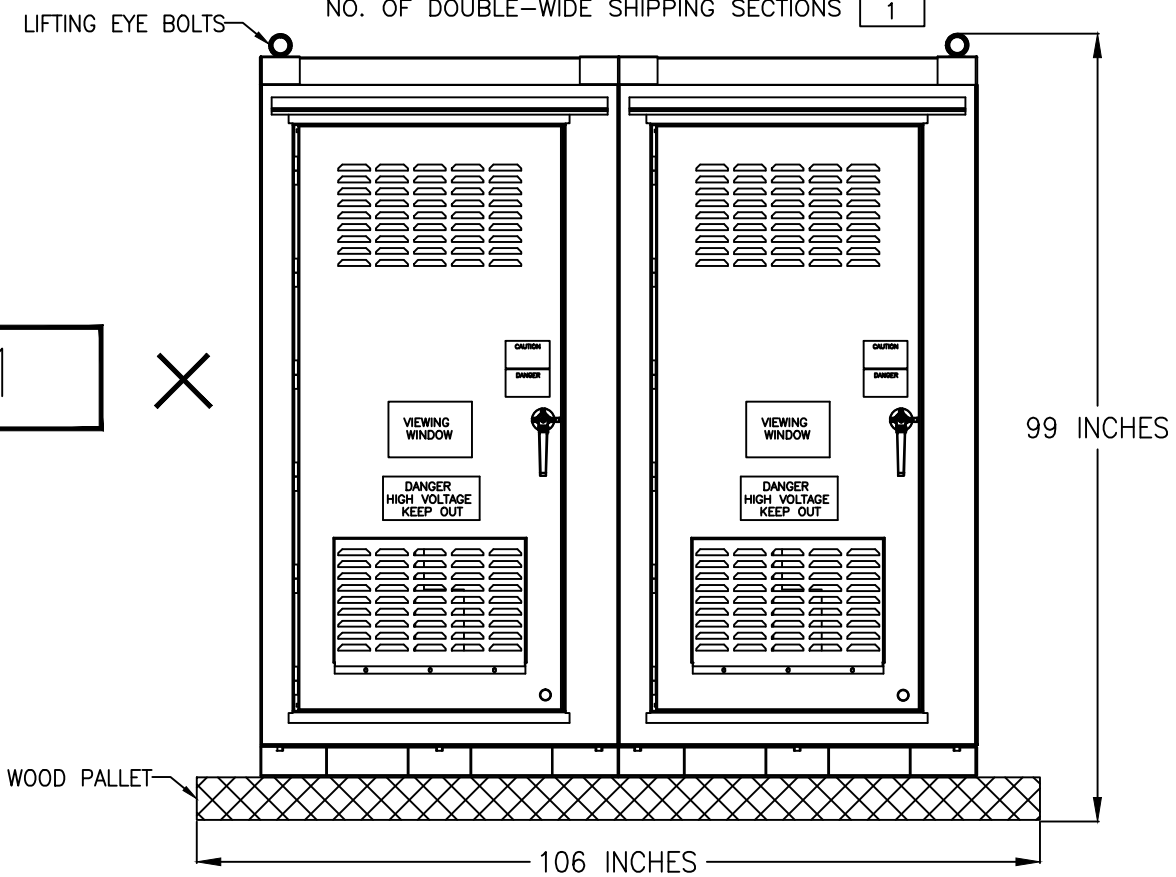
FRONT ELEVATION



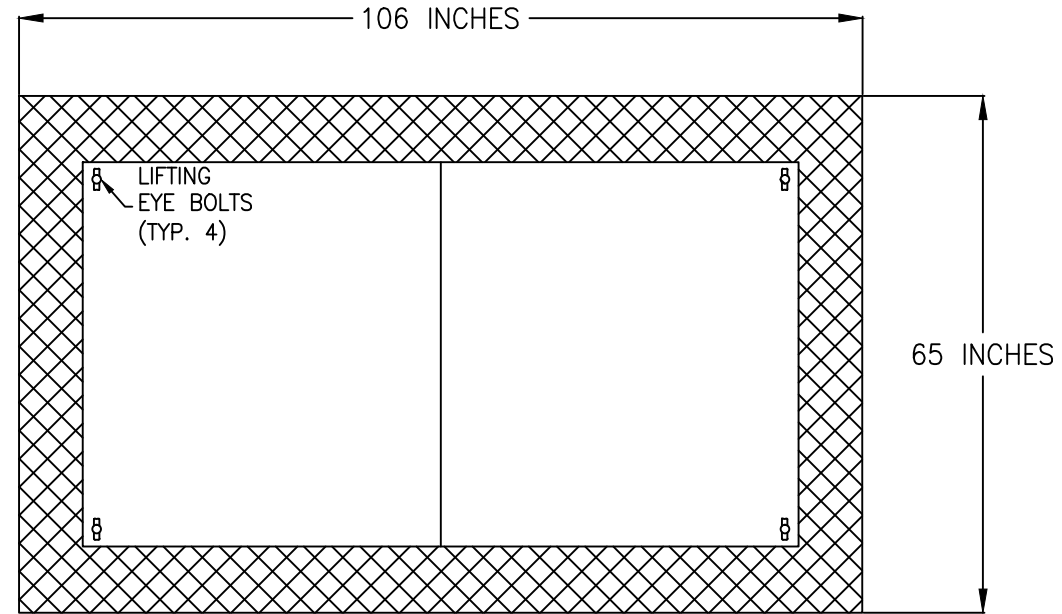
PLAN VIEW

DOUBLE-WIDE SHIPPING SECTION

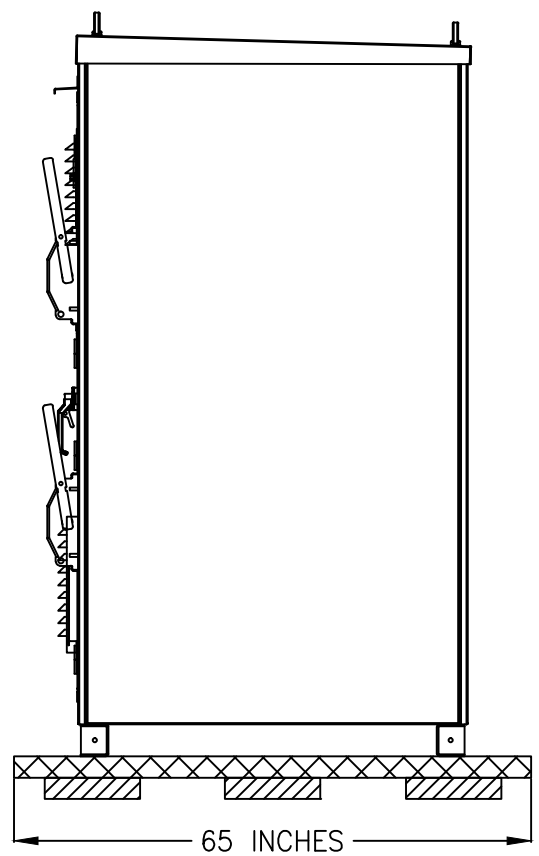
SHIPPING SECTION WEIGHT: 4250 LBS (EACH)  
 NO. OF DOUBLE-WIDE SHIPPING SECTIONS 1



FRONT ELEVATION



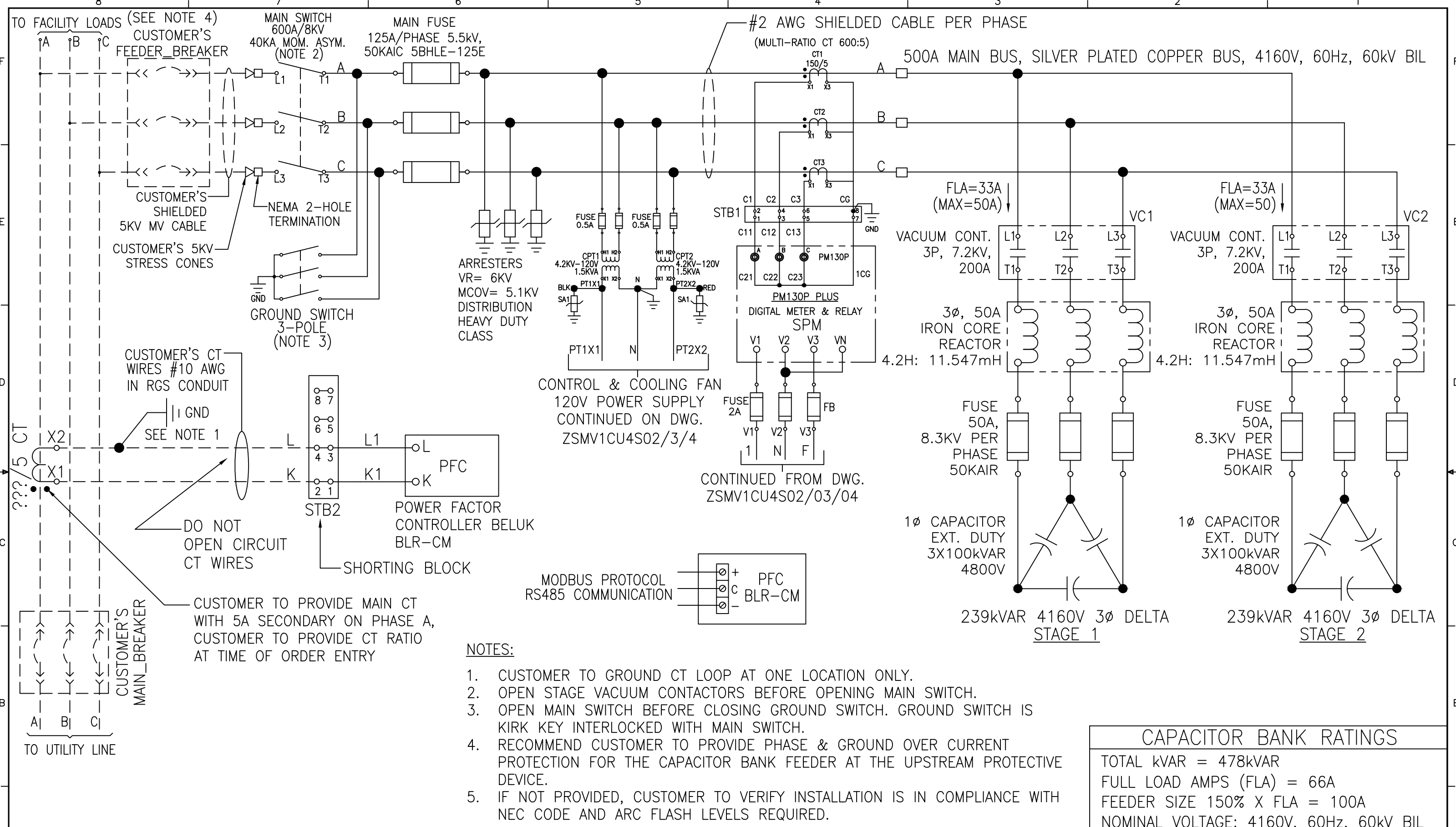
PLAN VIEW



RIGHT SIDE ELEVATION

NOTE:  
 REFER TO HANDLING AND INSTALLATION  
 INSTRUCTIONS EATON PFC # PFCMV003

REVISION	00	<p><b>Issued For Approval</b></p> <p>The information on this document is intended to convey and document that the contract specification has been accurately interpreted and may not be accurate for construction purposes.</p>	<p>THE INFORMATION ON THIS DOCUMENT WAS CREATED BY EATON CORPORATION. IT WAS DISCLOSED IN CONFIDENCE AND IS ONLY TO BE USED FOR THE PURPOSE IN WHICH IT WAS SUPPLIED.</p>		DFTR	DATE		ARDEN, NC			
	EATON				08/04/2016						
	ENGR				DATE						
	EATON				08/04/2016						
					S.O.	MV1CU4	EQUIPMENT	TYPE			
					FEDERAL ID NO.	PRODUCT CODE	REVISION	SIZE	G.O.	DWG	SHEET
					88725	8554	00	D	-	ZOMV1CU4S05	5 OF 11

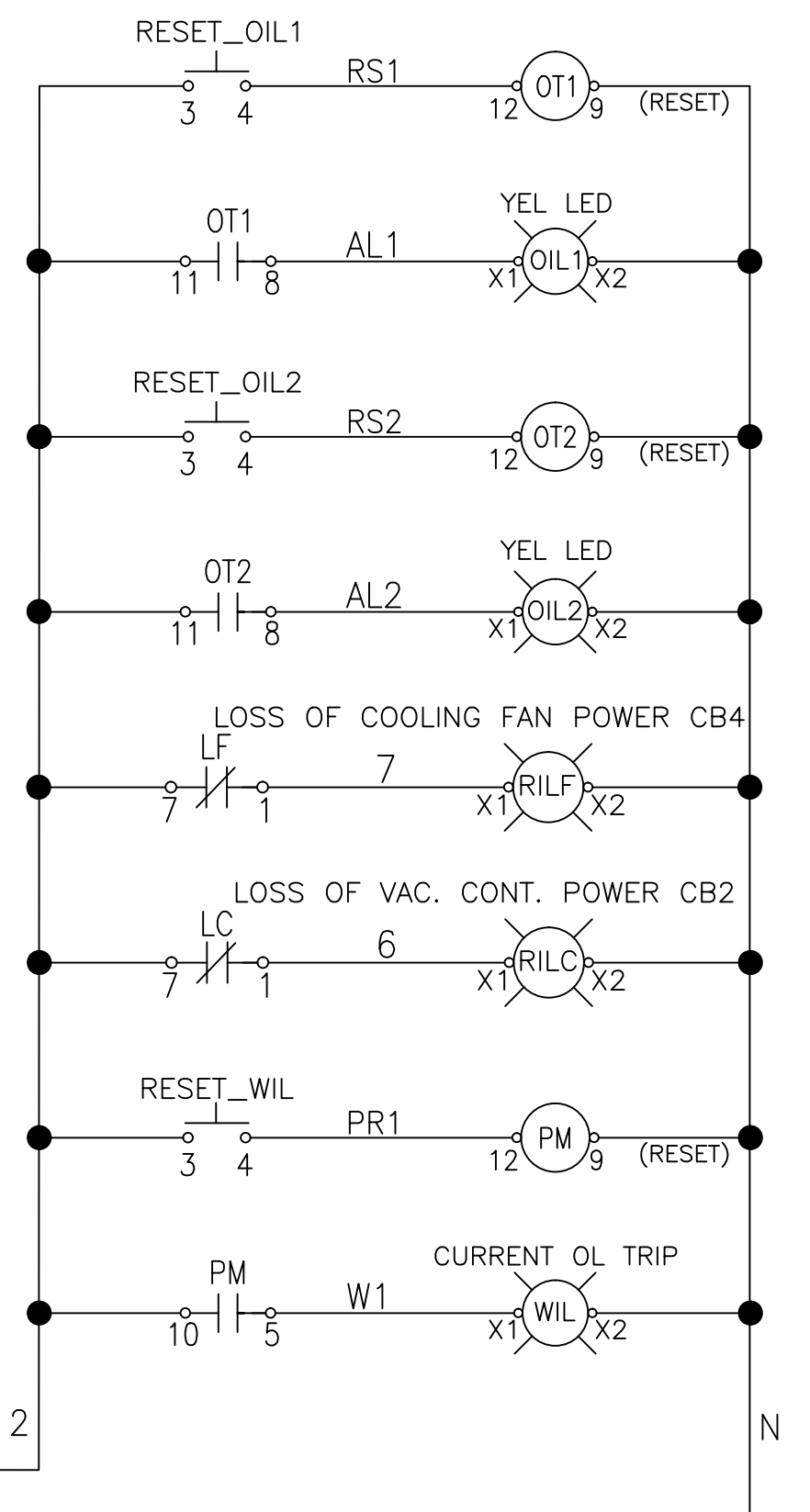
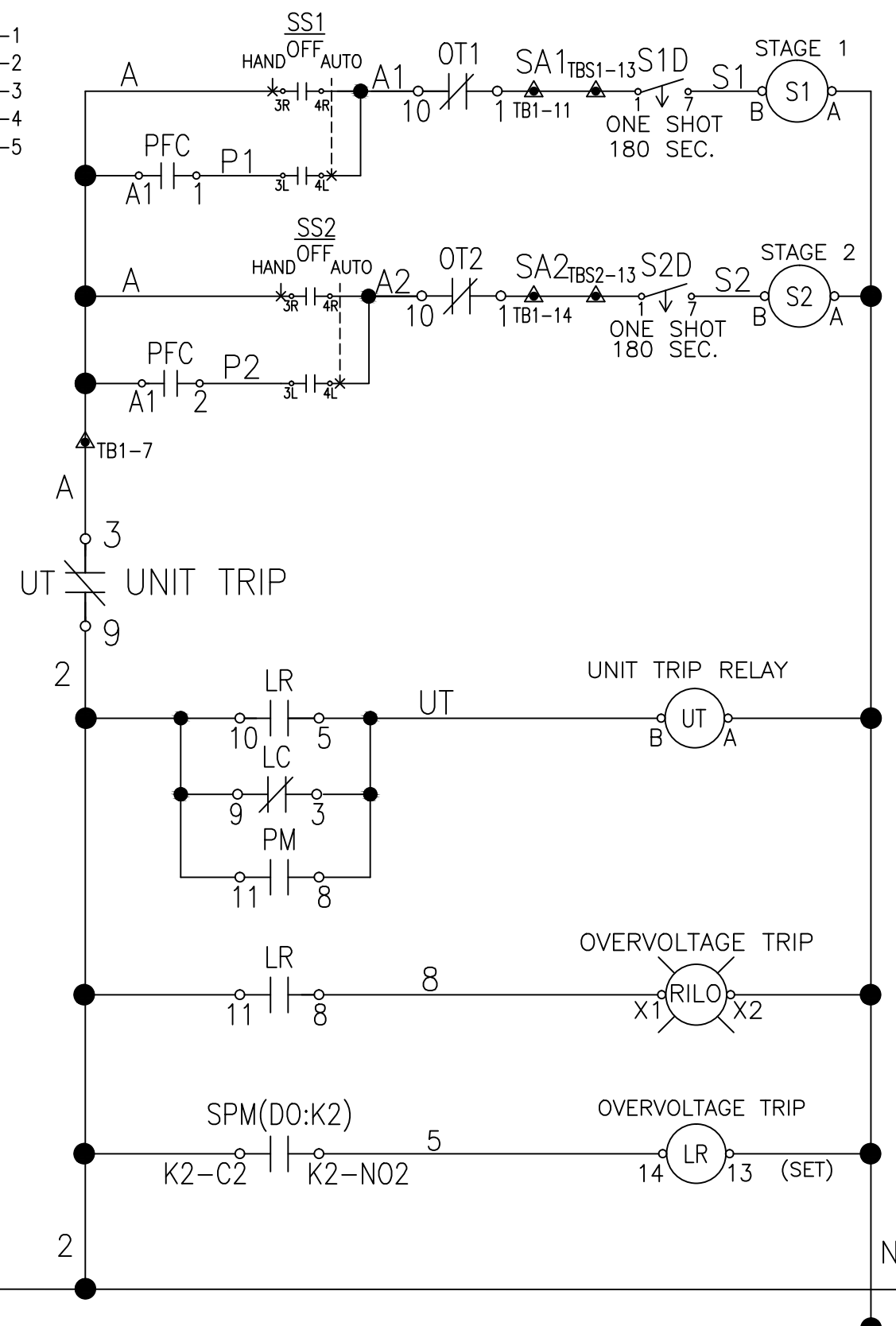
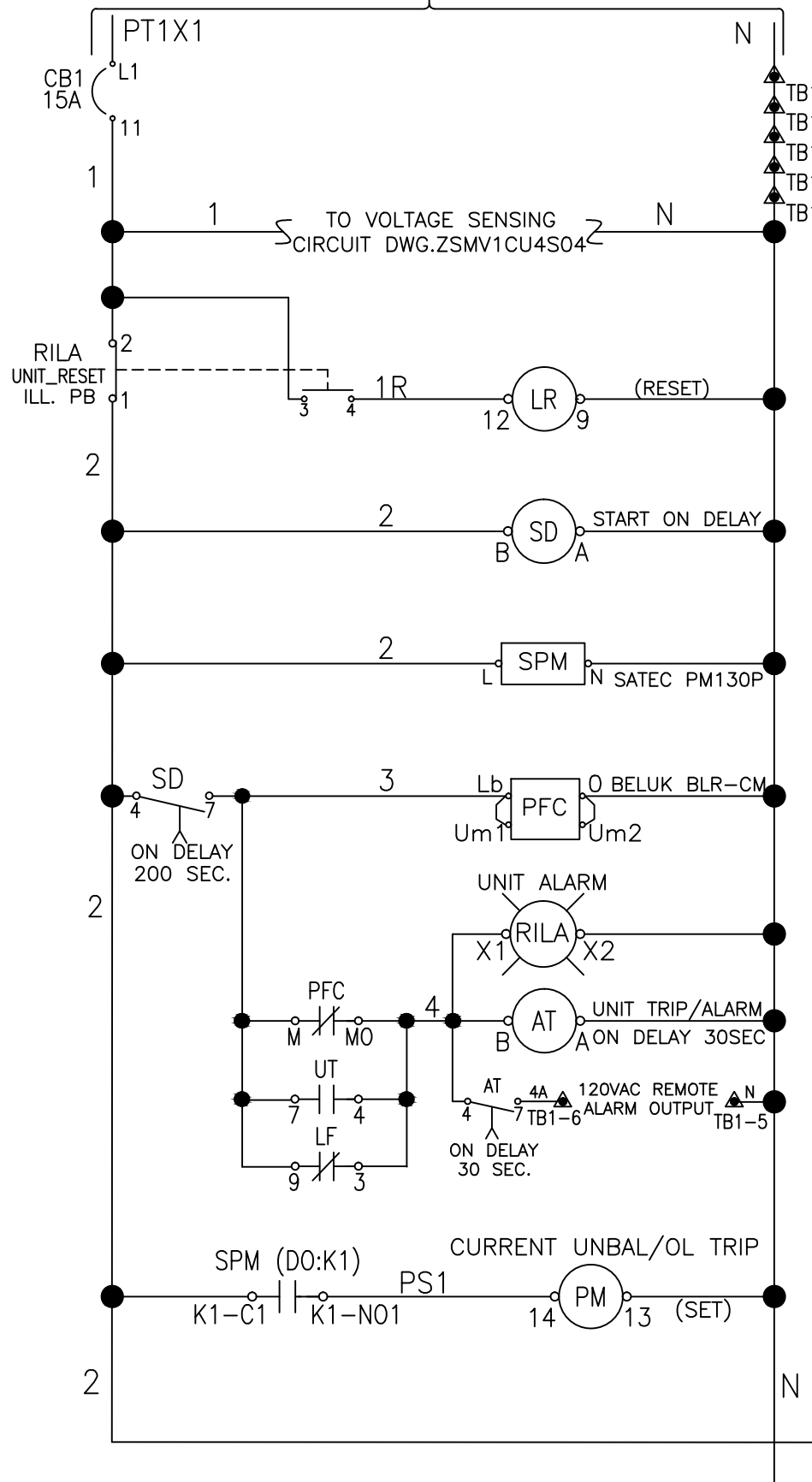


- NOTES:**
1. CUSTOMER TO GROUND CT LOOP AT ONE LOCATION ONLY.
  2. OPEN STAGE VACUUM CONTACTORS BEFORE OPENING MAIN SWITCH.
  3. OPEN MAIN SWITCH BEFORE CLOSING GROUND SWITCH. GROUND SWITCH IS KIRK KEY INTERLOCKED WITH MAIN SWITCH.
  4. RECOMMEND CUSTOMER TO PROVIDE PHASE & GROUND OVER CURRENT PROTECTION FOR THE CAPACITOR BANK FEEDER AT THE UPSTREAM PROTECTIVE DEVICE.
  5. IF NOT PROVIDED, CUSTOMER TO VERIFY INSTALLATION IS IN COMPLIANCE WITH NEC CODE AND ARC FLASH LEVELS REQUIRED.

CAPACITOR BANK RATINGS	
TOTAL kVAR =	478kVAR
FULL LOAD AMPS (FLA) =	66A
FEEDER SIZE 150% X FLA =	100A
NOMINAL VOLTAGE:	4160V, 60Hz, 60kV BIL

00 REVISION	Issued For Approval The information on this document is intended to convey and document that the contract specification has been accurately interpreted and may not be accurate for construction purposes.		THE INFORMATION ON THIS DOCUMENT WAS CREATED BY EATON CORPORATION. IT WAS DISCLOSED IN CONFIDENCE AND IS ONLY TO BE USED FOR THE PURPOSE IN WHICH IT WAS SUPPLIED.		DFTR EATON	DATE 08/04/2016	ARDEN, NC	
					ENGR EATON	DATE 08/04/2016		TITLE 478kVAR 4.16kV 2-STAGES FILTERED 4.2H UNIT PFC CAPACITOR BANK 5kV QS Std.
					S.O.	MV1CU4	EQUIPMENT PFC - POWER FACTOR CORRECTION	TYPE SCHEME
			FEDERAL ID NO. 88725	PRODUCT CODE 8554	REVISION 00	SIZE D	G.O. -	DWG ZSMV1CU4S01

CONTINUES ON DWG ZSMV1CU4S01



REVISION

**Issued For Approval**

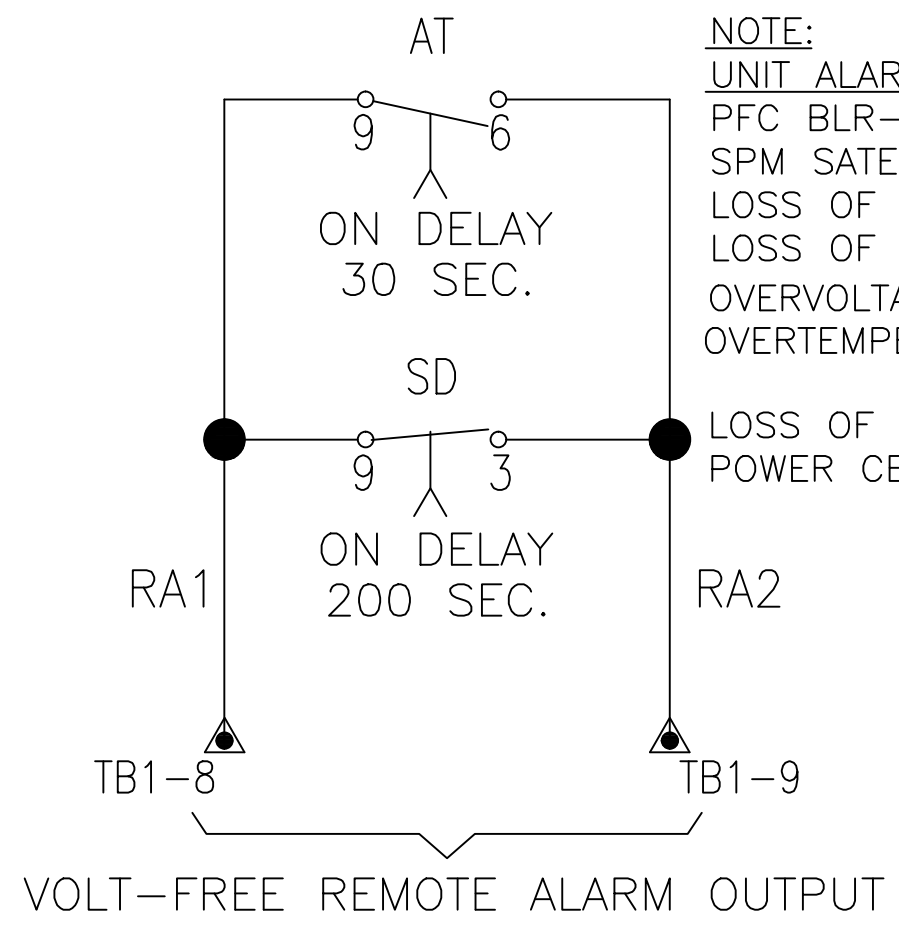
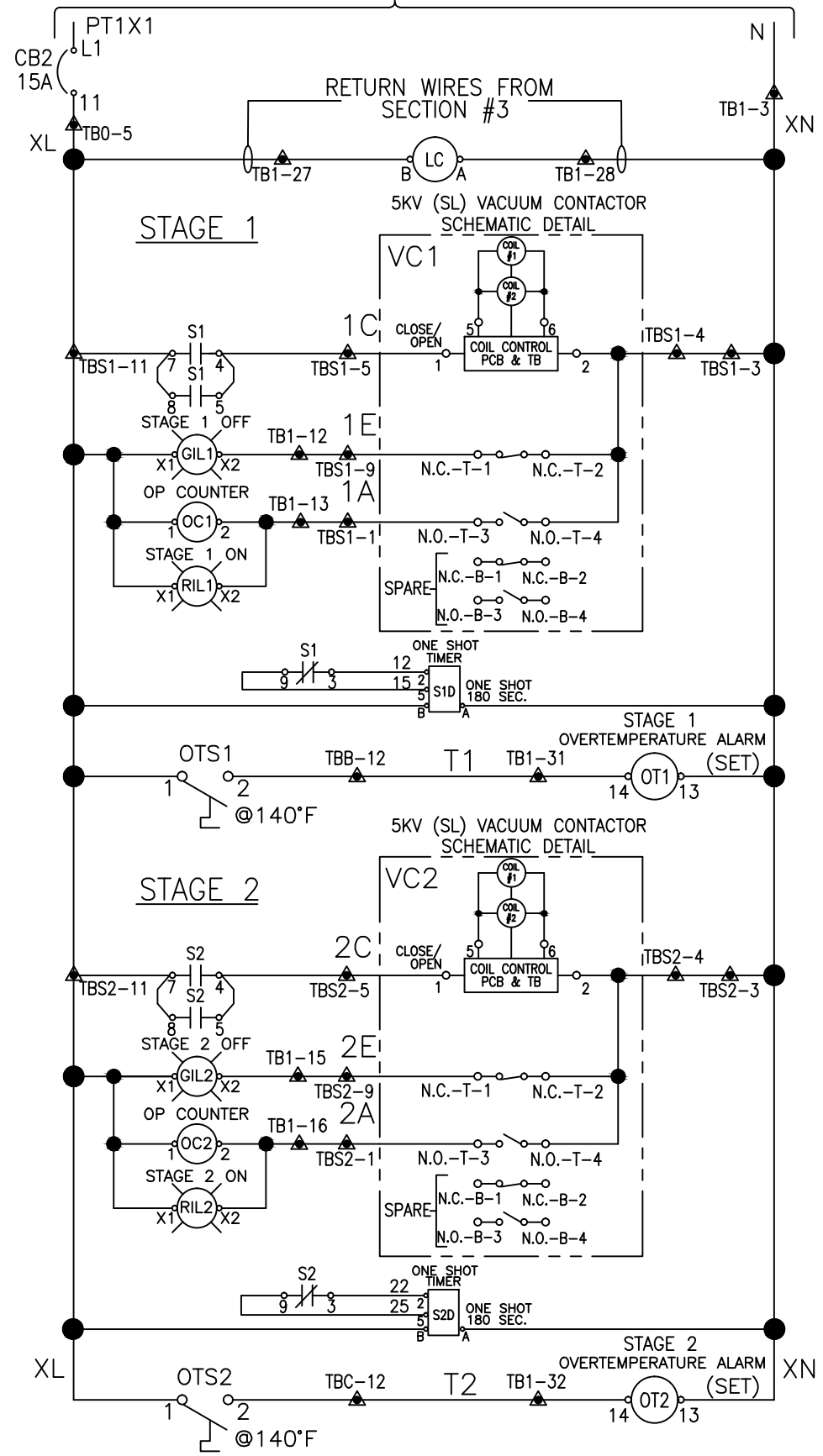
The information on this document is intended to convey and document that the contract specification has been accurately interpreted and may not be accurate for construction purposes.

THE INFORMATION ON THIS DOCUMENT WAS CREATED BY EATON CORPORATION. IT WAS DISCLOSED IN CONFIDENCE AND IS ONLY TO BE USED FOR THE PURPOSE IN WHICH IT WAS SUPPLIED.

DFTR EATON	DATE 08/04/2016	ARDEN, NC	
ENGR EATON	DATE 08/04/2016	TITLE 478kVAR 4.16kV 2-STAGES FILTERED 4.2H UNIT PFC CAPACITOR BANK 5kV QS Std.	
S.O.	MV1CU4	EQUIPMENT PFC - POWER FACTOR CORRECTION	TYPE SCHEME
FEDERAL ID NO. 88725	PRODUCT CODE 8554	REVISION 00	SIZE D
G.O.	DWG ZSMV1CU4S02	SHEET 7 OF 11	



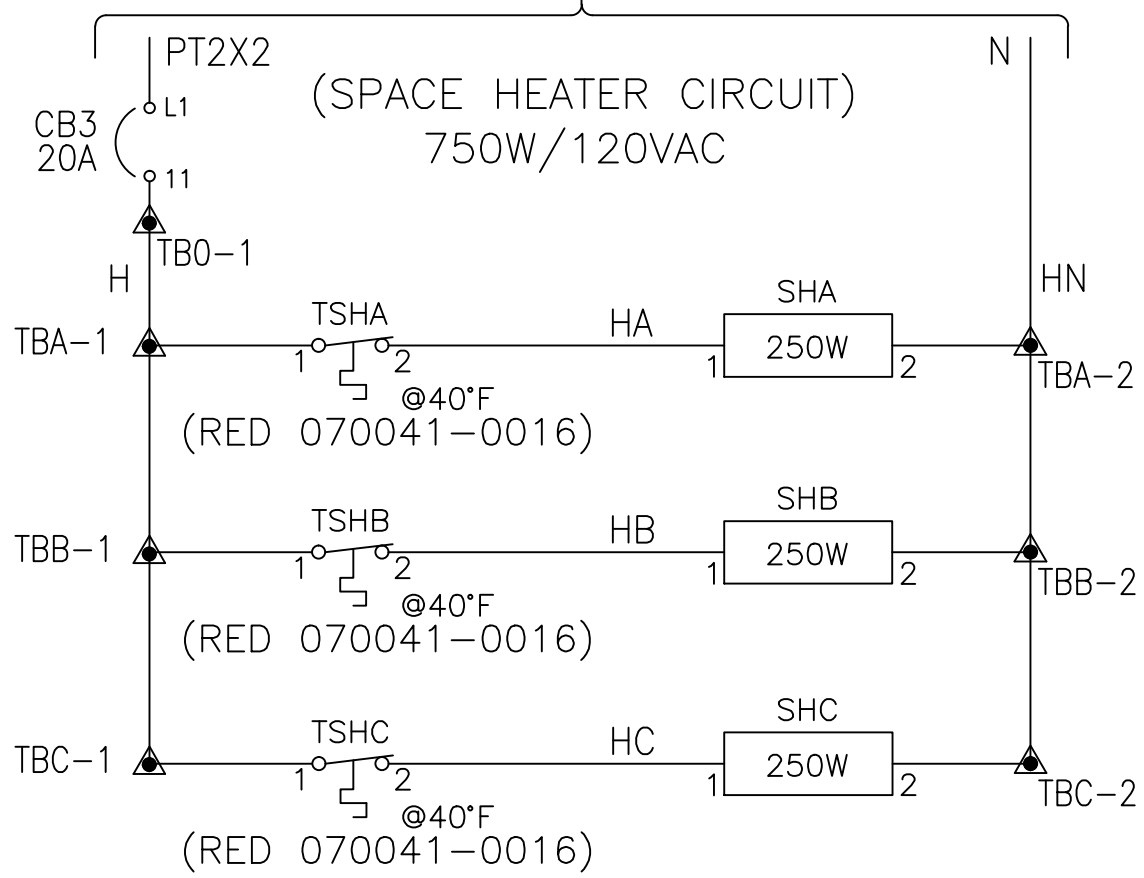
CONTINUES ON DWG ZSMV1CU4S01



- NOTE:**  
**UNIT ALARM**  
 PFC BLR-CM ALARM  
 SPM SATEC ALARM/TRIP  
 LOSS OF CONTACTOR POWER CB2  
 LOSS OF COOLING POWER CB3  
 OVERVOLTAGE TRIP  
 OVERTEMPERATURE ALARM  
 LOSS OF CONTROL POWER CB1

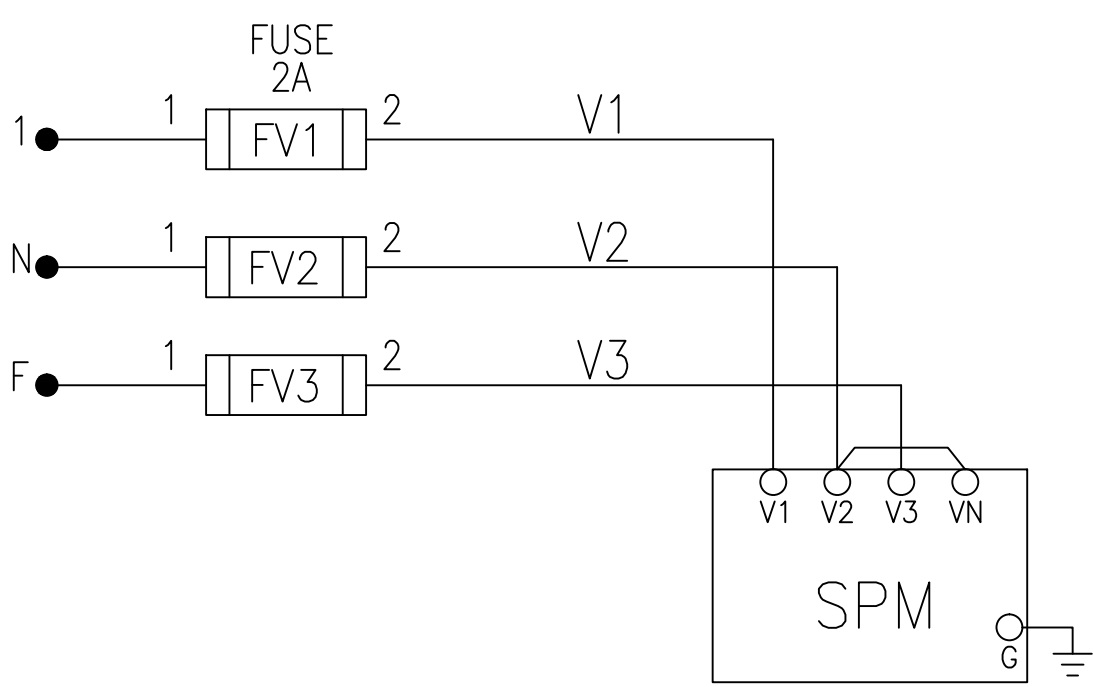
00	REVISION	Issued For Approval		THE INFORMATION ON THIS DOCUMENT WAS CREATED BY EATON CORPORATION. IT WAS DISCLOSED IN CONFIDENCE AND IS ONLY TO BE USED FOR THE PURPOSE IN WHICH IT WAS SUPPLIED.		DATE 08/04/2016		EATON		ARDEN, NC			
		The information on this document is intended to convey and document that the contract specification has been accurately interpreted and may not be accurate for construction purposes.		FEDERAL ID NO. 88725		PRODUCT CODE 8554		DATE 08/04/2016		TITLE 478kVAR 4.16kV 2-STAGES FILTERED 4.2H UNIT PFC CAPACITOR BANK 5kV QS Std.			
				REVISION 00		SIZE D		S.O. MV1CU4		EQUIPMENT PFC - POWER FACTOR CORRECTION		TYPE SCHEME	
								G.O. -		DWG ZSMV1CU4S03		SHEET 8 OF 11	

CONTINUES ON DWG ZSMV1CU4S01

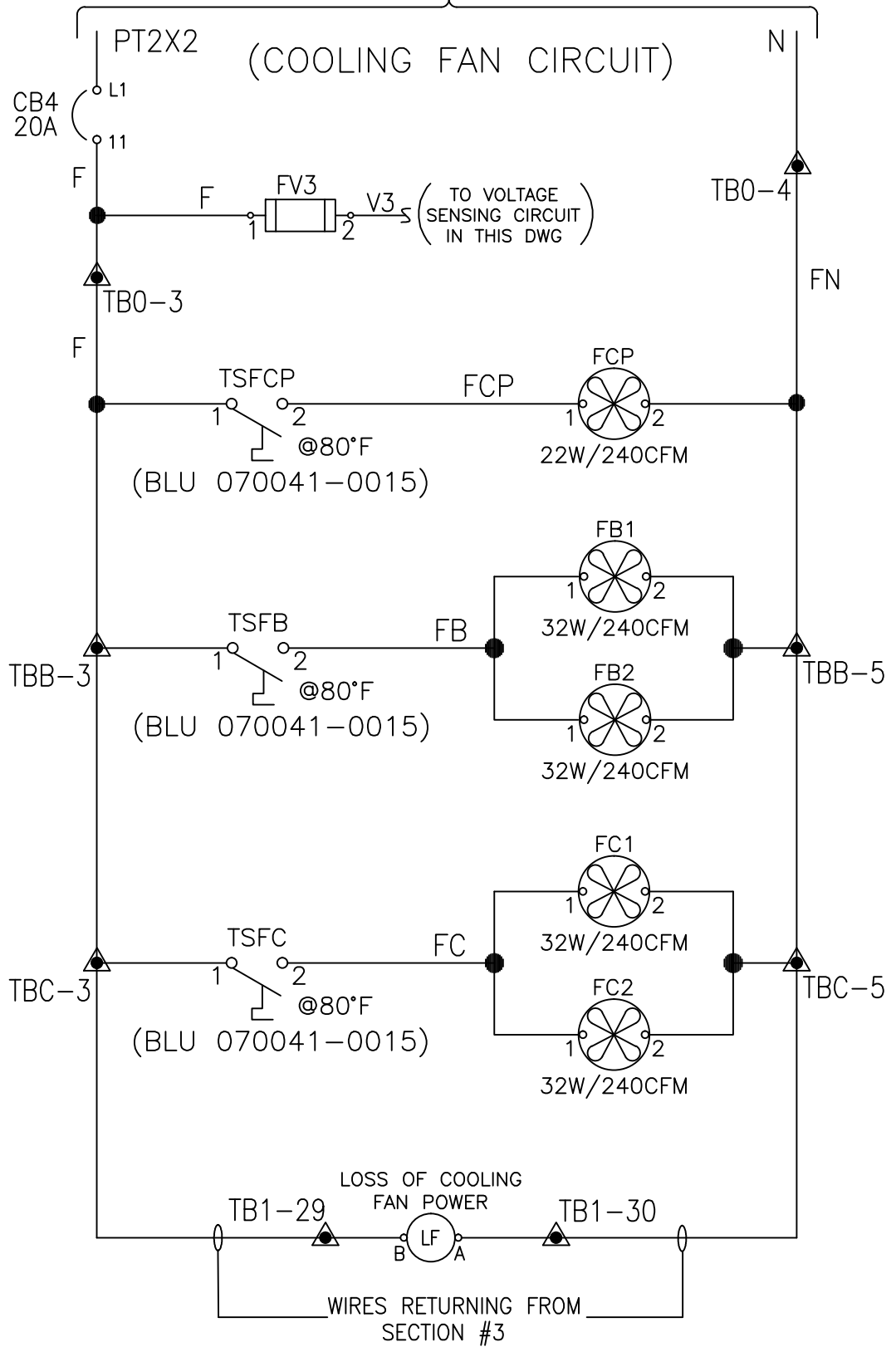


(VOLTAGE SENSING CIRCUIT)  
CONTINUES FROM  
DWG ZSMV1CU4S02/3/4

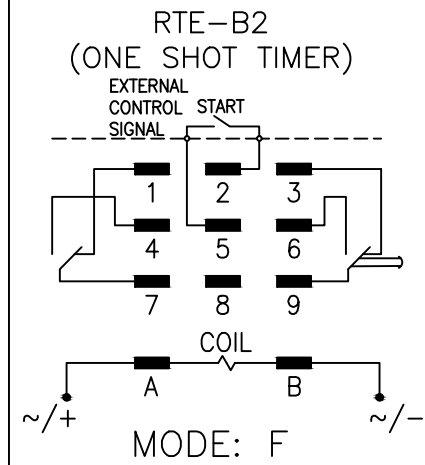
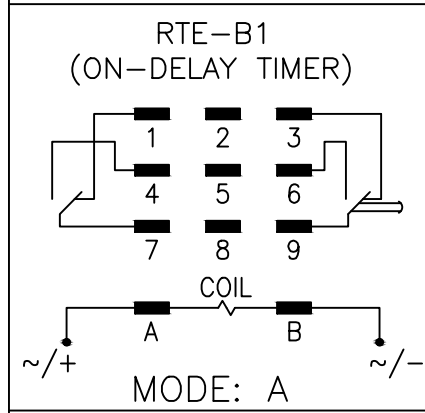
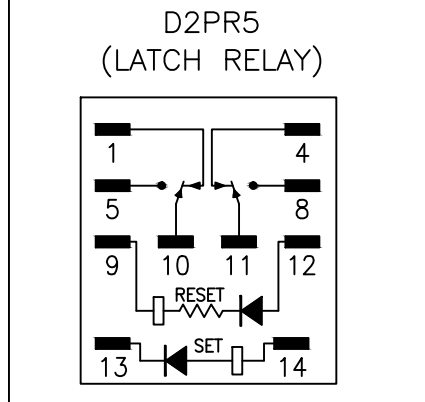
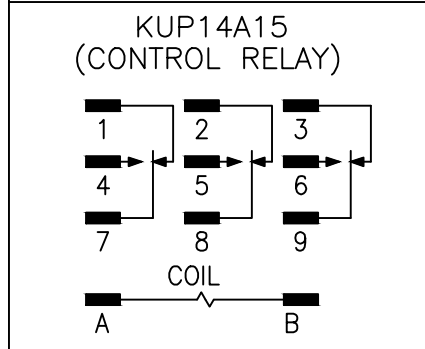
(VOLTAGE SENSING CIRCUIT)



CONTINUES ON DWG ZSMV1CU4S01



RELAY CIRCUIT



00	REVISION	<p><b>Issued For Approval</b></p> <p>The information on this document is intended to convey and document that the contract specification has been accurately interpreted and may not be accurate for construction purposes.</p>	<p>THE INFORMATION ON THIS DOCUMENT WAS CREATED BY EATON CORPORATION. IT WAS DISCLOSED IN CONFIDENCE AND IS ONLY TO BE USED FOR THE PURPOSE IN WHICH IT WAS SUPPLIED.</p>		<p>DFTR EATON</p>	<p>DATE 08/04/2016</p>	<p><b>EATON</b></p> <p>ARDEN, NC</p>	
			<p>FEDERAL ID NO. 88725</p>		<p>ENGR EATON</p>	<p>DATE 08/04/2016</p>		<p>TITLE 478kVAR 4.16kV 2-STAGES FILTERED 4.2H UNIT PFC CAPACITOR BANK 5kV QS Std.</p>
			<p>PRODUCT CODE 8554</p>		<p>S.O. MV1CU4</p>	<p>EQUIPMENT PFC - POWER FACTOR CORRECTION</p>		<p>TYPE SCHEME</p>
			<p>REVISION 00</p>		<p>SIZE D</p>	<p>G.O. -</p>		<p>DWG ZSMV1CU4S04</p>

BLR-CM POWER FACTOR CONTROL RELAY SETTINGS

PM130P PLUS METER/RELAY SETTINGS (SPM)

<<< SETUP < -> PASSWORD 2402 ->				
> MEASUREMENT <->	CT FACTOR	XXX **	CUSTOMER'S MAIN CT RATIO. FIELD VERIFY.	
	VT FACTOR	35	PT VOLTAGE SENSING RATIO	
	NOM. VOLTAGE	4160	NOMINAL SYSTEM LINE-LINE VOLTAGE	
	CONNECTION	U=L-L	PT PRIMARY CONNECTION TYPE	
	EXTENDED ->			
		SYNCH FREQUENCY	60 Hz	
		PHASE COMP.	90°+240° **	
		V-TOL (MIN)	-10%	
		V-TOL (MAX)	+10%	
		TEST MODE	NO	
	> STEP <->	STEP 01	DISCHARGE TIME	200 S
			STEP TYPE	NORMAL
			STEP NOM. VALUE Qc	c239 KVAR
		STEP 02	DISCHARGE TIME	200 S
			STEP TYPE	NORMAL
STEP NOM. VALUE Qc			c239 KVAR	
STEP 03		DISCHARGE TIME	200 S	
		STEP TYPE	OFF	
		STEP NOM. VALUE Qc	c KVAR	
STEP 04		DISCHARGE TIME	200 S	
		STEP TYPE	OFF	
		STEP NOM. VALUE Qc	c KVAR	
STEP 05		DISCHARGE TIME	200 S	
		STEP TYPE	OFF	
		STEP NOM. VALUE Qc	c KVAR	
STEP 06		DISCHARGE TIME	200 S	
		STEP TYPE	OFF	
		STEP NOM. VALUE Qc	c KVAR	
> CONTROL <->	COS PHI 1	i 0.95	TARGET POWER FACTOR ADJUST AS NEEDED	
	COS PHI 2	N/A	2nd TARGET POWER FACTOR SPECIFIC USE	
	SWITCH INTERVAL	200 SEC	SWITCHING TIME DELAY BETWEEN STEPS	
	STEP EXCHANGE INTERVAL	200 SEC	TIME DELAY BETWEEN STEP EXCHANGE	
	EXTENDED ->			
		STEP RECOGNITION (ON/OFF)	OFF	
		SWITCH CYCLES BALANCING?	YES	
		SWITCH CYCLES BALANCING LIMIT%	10%	
		STEP EXCHANGE?	NO	
		CONTROL SENSITIVITY %	60%	
	CONTROL TYPE	AUTOMATIC		
	I < LIMIT FREEZE STEPS?	NO		
> DISPLAY <->	DISPLAY ON SCREEN		SELECT DISPLAY AS PER PREFERENCE	
	CONTRAST		ADJUST CONTRAST AS PER PREFERENCE	
	PASSWORD		DEFAULT PASSWORD 2402	
> ALARM <->				

> ALARM <->	{ NOTE: TO TOGGLE YES/NO USE PRESS BUTTON LINED-UP WITH }									
	CONTROL ALARM	ENABLED	NO	NO	YES	NO	NO	NO	NO	NO
	NO CURRENT	ENABLED	NO	NO	YES	NO	NO	NO	NO	NO
	STEP FAULT	ENABLED	YES	NO	YES	NO	NO	NO	NO	NO
	STEP WARNING	ENABLED	YES	NO	YES	NO	NO	NO	NO	NO
		LIMITS	> 50%							
	POWER FACTOR	ENABLED	NO	NO	YES	NO	NO	NO	NO	NO
		LIMITS	MIN c0.90 MAX i0.80 dt36000s							
	HARMONICS U	DISABLED	-	-	-	-	-	-	-	-
		LIMITS	> ##%							
	HARMONICS I	DISABLED	-	-	-	-	-	-	-	-
		LIMITS	> ##%							
	OVERLOAD P	DISABLED	-	-	-	-	-	-	-	-
		LIMITS	> ##KW							
	OVERLOAD Q	DISABLED	-	-	-	-	-	-	-	-
		LIMITS	> ##KVAR							
	P-EXPORT	DISABLED	-	-	-	-	-	-	-	-
	TEMP1	DISABLED	-	-	-	-	-	-	-	-
		LIMITS	## °C		dT # °C					
	TEMP2	DISABLED	-	-	-	-	-	-	-	-
	LIMITS	## °C		dT # °C						
DI INPUT	DISABLED	-	-	-	-	-	-	-	-	

PHASE COMPENSATION ANGLE

VT L-L	CT	ANGLE
A-B	A	240°+90°
A-B	B	120°+90°
A-B	C	0°+90°
B-C	A	0°+90°
B-C	B	240°+90°
B-C	C	120°+90°
C-A	A	120°+90°
C-A	B	0°+90°
C-A	C	240°+90°

\*\* FIELD VERIFY AND ADJUST AS NECESSARY.

Code	Settings	Description	
rtc	hour	HH MI ADJUST TIME USING ARROW KEYS	
	dAe	MM DD YR ADJUST DATE USING ARROW KEYS	
	dAy	DISPLAYS CURRENT DAY	
	dSt	En DAYLIGHT SAVINGS TIME OPTION	
	dSt.S	Apr F. Sun DAYLIGHT SAVINGS START DATE	
	dSt.E	Oct L. Sun DAYLIGHT SAVINGS END DATE	
	dSt.S hour	2 AM DAYLIGHT SAVINGS START HOUR	
	dSt.E hour	2 AM DAYLIGHT SAVINGS END HOUR	
	bASc	ConF	30P3 WIRING MODE
		Pt	35 PT RATIO = PRIMARY/SECONDARY
Pt.F		1 PT RATIO MULTIPLICATION FACTOR. ONLY USED ON HV	
Ct		600 CT PRIMARY CURRENT CAPACITOR BANK CT	
Ad.P		900 sec LENGTH OF DEMAND PERIOD TYPICAL 15MINUTES=900SEC	
FrEq		60 NOMINAL FREQUENCY, Hz	
LoAd		100A MAXIMUM DEMAND LOAD CURRENT (ENTER FLA)	
rEL	rEL. 1	tyPE UnLt (UNLATCHED) OUTPUT RELAY #1 OPERATION MODE	
		Polr nor (N.O.) OUTPUT RELAY #1 POLARITY	
	rEL. 2	tyPE UnLt (UNLATCHED) OUTPUT RELAY #2 OPERATION MODE	
		Polr nor (N.O.) OUTPUT RELAY #2 POLARITY	
SETP	SETPOINT 1	SP. 1	triG r.C.Unb TRIGGER PARAMETER HIGH CURRENT UNBALANCE
		On	25 OPERATE LIMIT
		OFF	5 RELEASE LIMIT
		On d	30 OPERATE DELAY (SECONDS)
	SETPOINT 2	OFFd	60 RELEASE DELAY (SECONDS)
		Act	r 1 On SETPOINT ACTION: OUTPUT RELAY #1 ON
		SP. 2	triG A.Hi.u TRIGGER PARAMETER OVER VOLTAGE
		On	4576 OPERATE LIMIT
	SETPOINT 3	OFFd	4368 RELEASE LIMIT
		Act	r 2 On SETPOINT ACTION: OUTPUT RELAY #2 ON
		SP. 3	triG r.Hi.C TRIGGER PARAMETER OVER CURRENT
		On	101A OPERATE LIMIT
	SETPOINT 4	OFF	100A RELEASE LIMIT
		On d	30 OPERATE DELAY (SECONDS)
		OFFd	60 RELEASE DELAY (SECONDS)
		Act	r 1 On SETPOINT ACTION: OUTPUT RELAY #1 ON
SETPOINT 4	SP. 4	triG nonE TRIGGER PARAMETER ?	
	On	? OPERATE LIMIT	
	OFF	? RELEASE LIMIT	
	On d	? OPERATE DELAY (SECONDS)	
SETPOINT 4	OFFd	? RELEASE DELAY (SECONDS)	
	Act	? SETPOINT ACTION: ?	
	diSP	bAr CAPACITOR BANK FLA=66A	
			DEFINES THE NOMINAL FLA 100% LEVEL FOR THE BAR GRAPH DISPLAY

REVISION	Issued For Approval The information on this document is intended to convey and document that the contract specification has been accurately interpreted and may not be accurate for construction purposes.	THE INFORMATION ON THIS DOCUMENT WAS CREATED BY EATON CORPORATION. IT WAS DISCLOSED IN CONFIDENCE AND IS ONLY TO BE USED FOR THE PURPOSE IN WHICH IT WAS SUPPLIED.	DFTR EATON DATE 08/04/2016 ENGR EATON DATE 08/04/2016 S.O. MV1CU4	DATE 08/04/2016 TITLE 478kVAR 4.16kV 2-STAGES FILTERED 4.2H UNIT PFC CAPACITOR BANK 5kV QS Std. EQUIPMENT PFC - POWER FACTOR CORRECTION TYPE SETTINGS	ARDEN, NC
	FEDERAL ID NO. 88725 PRODUCT CODE 8554 REVISION 00 SIZE D	G.O. - DWG ZHMV1CU4S01 SHEET 10 OF 11			

