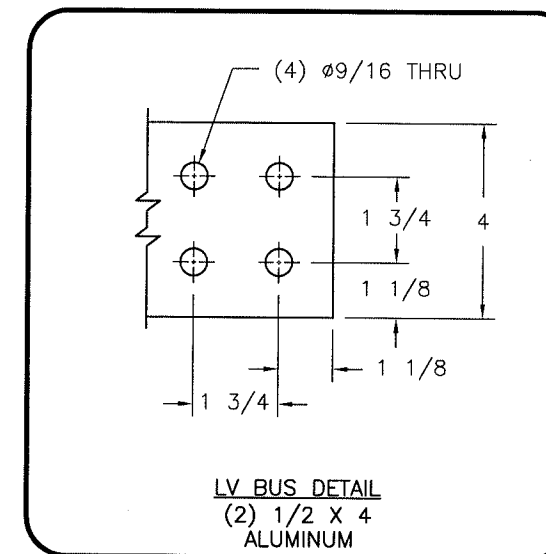
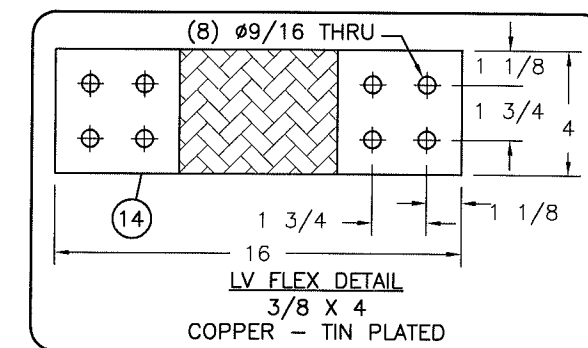
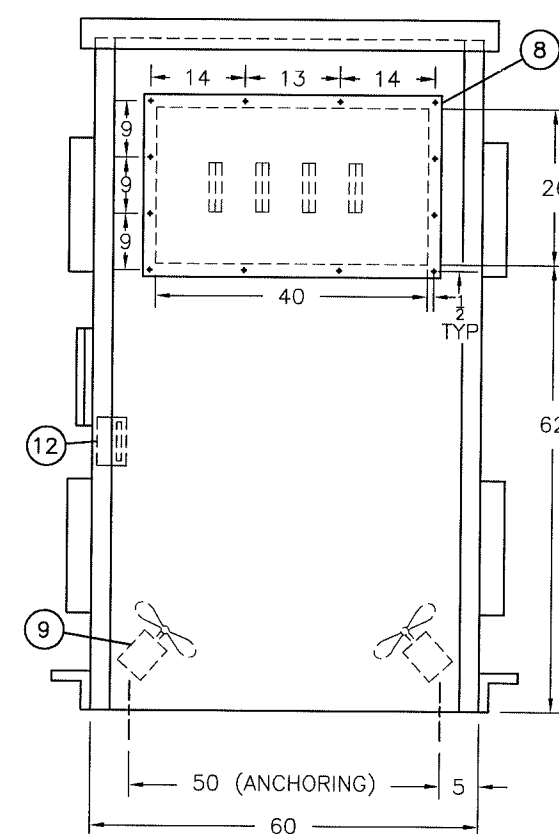
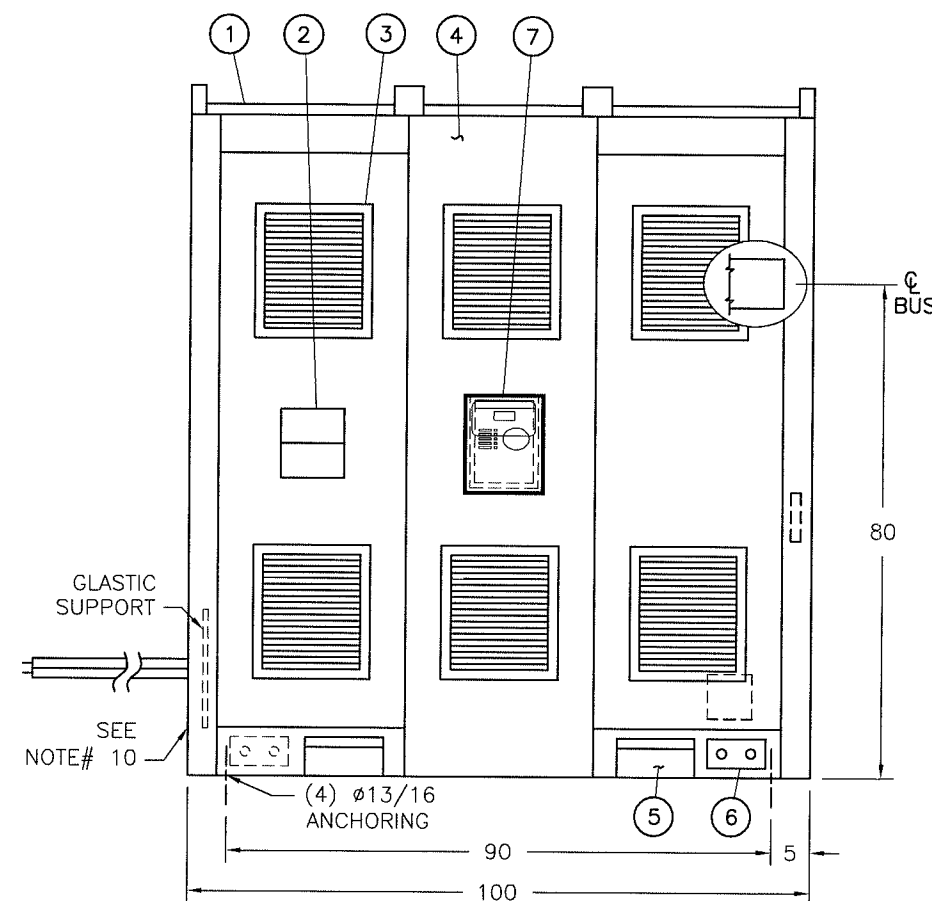
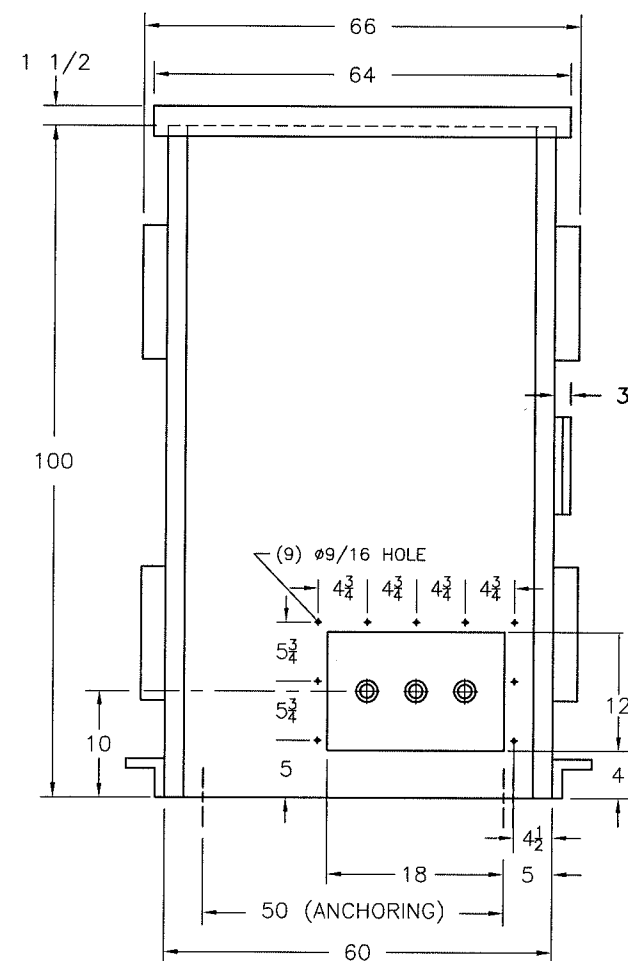




LEGEND		
ITEM	QTY	DESCRIPTIONS
1	1	TOP COVER - REMOVABLE
2	2	DIAGRAMATIC NAMEPLATE
3	12	LOUVERED VENTS WITH INSECT SCREEN
4	6	FRONT & REAR PANEL
5	4	JACK PAD - REMOVABLE
6	2	GROUND PAD - STAINLESS STEEL
7	1	IT MONITOR WITH WP DOOR
8	1	CABLE/BUS CUTOFF WITH SHIPPING COVER
9	8	COOLING FANS (1/20 HP, 115V, 1PH, 0.8 AMPS EACH)
10	1	CPT, 1KVA 480-120V, 1 PH
11	1	1/4 X 2 COPPER CONTINUOUS GND. BUS OVER THE BASE
12	1	TERMINAL BLOCK (TB10) FOR ALARM AND TRIP
13	6	7.5KV CABLE - (2) #4/0 PER PHASE (SEE NOTE #9)
14	8	LV FLEX (SHIP ON LV TERMINALS, 2 PER TERMINAL)



DWG FOR: ☒ RECORD ☐ APPROVAL ☐ QUOTE

ID TAG:

KVA: 2000/2667
HIGH VOLTAGE: 2400 X 4160 DELTA (SEE NOTE #12)
LOW VOLTAGE: 480Y/277
HV TAPS: 2A 2B 2.50% @2400
2A 2B 2.90% @4160
HV-KV BIL: 20 X 30
LV-KV BIL: 10
PHASE: 3
FREQ-HZ: 60
TEMP RISE-°C: 150
COOLING CLASS: AA/FA
INSULATION CLASS: 220°C
WINDING COND: ALUMINUM
PAINT/COATING: ANSI 61 GRAY
APPRX WT-LBS: 13000

HV COORD: ESP-429 (5-15KV) - FLUSH FRONT
LV COORD: -

NOTES:

- 1) TRANSFORMERS ARE MANUFACTURED AND TESTED PER APPLICABLE ANSI, NEMA AND IEEE STDS, LATEST REVISION.
- 2) UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES WITH $\pm 1/4"$ TOLERANCE.
- 3) TRANSFORMER'S DESIGN IMPEDANCE IS $5.75\% \pm$ ANSI TOLERANCE (DUAL PRIMARY, MAY VARY).
- 4) TRANSFORMER WINDINGS ARE VACUUM-PRESSURE IMPREGNATED (VPI) WITH POLYESTER RESIN.
- 5) TRANSFORMER IS UL & CSA LISTED AND LABELED.
- 6) FORCED AIR COOLING SYSTEM, POWER (1 PH AC 120V ± 10) SUPPLY INCLUDED (FROM CPT)
- 7) TRANSFORMER ENCLOSURE IS KNOCK DOWN CONSTRUCTION.
- 8) TRANSFORMER'S SOUND LEVEL IS 66dB (NEMA STANDARD).
- 9) 7.5KV EPDM CABLE (SHIP LOOSE LUGS & HARDWARE).
- 10) HV OUTSIDE CONNECTION TO TRANSFORMER MUST BE RAIN-SHIELDED BY OTHERS.
- 11) TRANSFORMER NOT TO BE INSTALLED IN PUBLIC ACCESS AREAS OTHERWISE IT MUST BE FENCED OR ISOLATED.
- 12) CAUTION: BEFORE CHANGING PRIMARY VOLTAGE; SEE CONNECTION DIAGRAM (PAGE 2).
- 13) DOE 10CFR 431 EFFICIENCY - 2000 KVA TRANSFORMER MEETS OR EXCEEDS EFFICIENCY = 99.27% @ 75°C AND 50% LOAD @ 2400
= 99.27% @ 75°C AND 50% LOAD @ 4160
- 14) WIRING DIAGRAM: AD600-0277 FOR ITEM# 7, 9, 10, & 12.

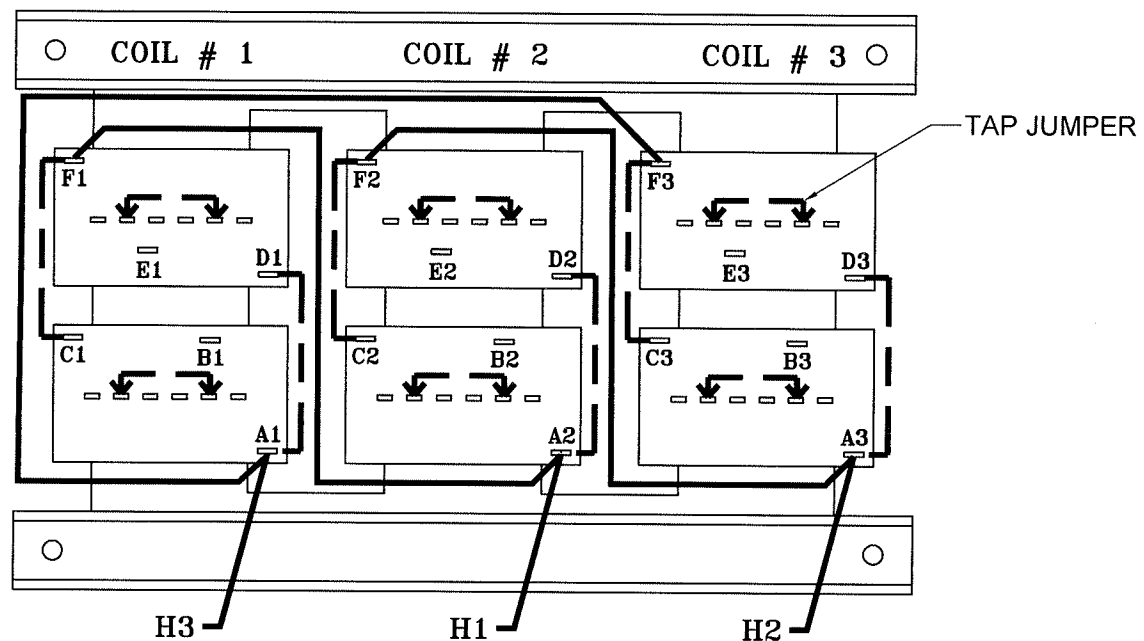
		PAGE 1 OF 2	SCALE: NONE	TITLE: DRY TRANSFORMER OUTLINE OUTDOOR - NEMA 3R	
		BY	DATE		
		CADD: GPS	10/16/14		
		CHKD: NKA	10/16/14		
REVISIONS		APPD: <i>[Signature]</i>	10-17-14		



MGM TRANSFORMER CO.
CITY OF COMMERCE, CALIFORNIA
TEL: (323) 726-0888, FAX: (323) 726-8192

CAD NO. **MU02000N3-05344**

REV. _____



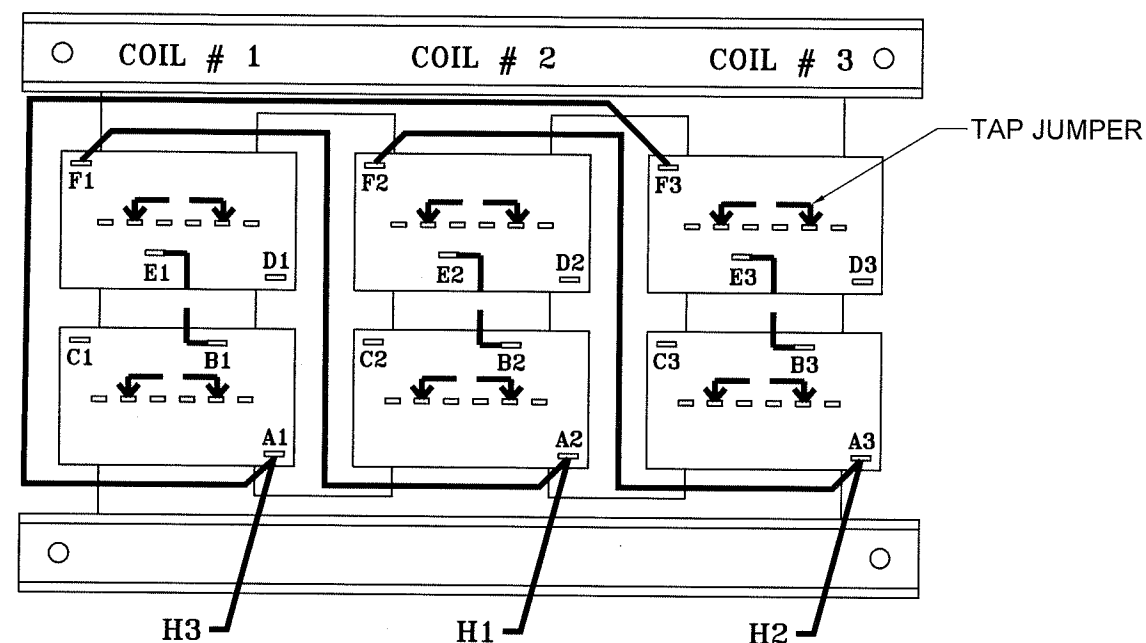
FOR 2400 V
 CONNECT EACH COIL AS SHOWN ABOVE
 A1 to D1 & C1 to F1
 A2 to D2 & C2 to F2
 A3 to D3 & C3 to F3

TAPS CONNECTIONS (BOTH TAPS MUST BE SAME POSITION)	VOLTAGE	VOLTAGE
4 - 5	2520	4401
4 - 6	2460	4281
3 - 6	2400	4160
3 - 7	2340	4039
2 - 7	2280	3919

NOTES:

———— = PERMANENT DELTA CONNECTIONS.

----- = RECONNECTABLE/REMOVABLE CONNECTIONS

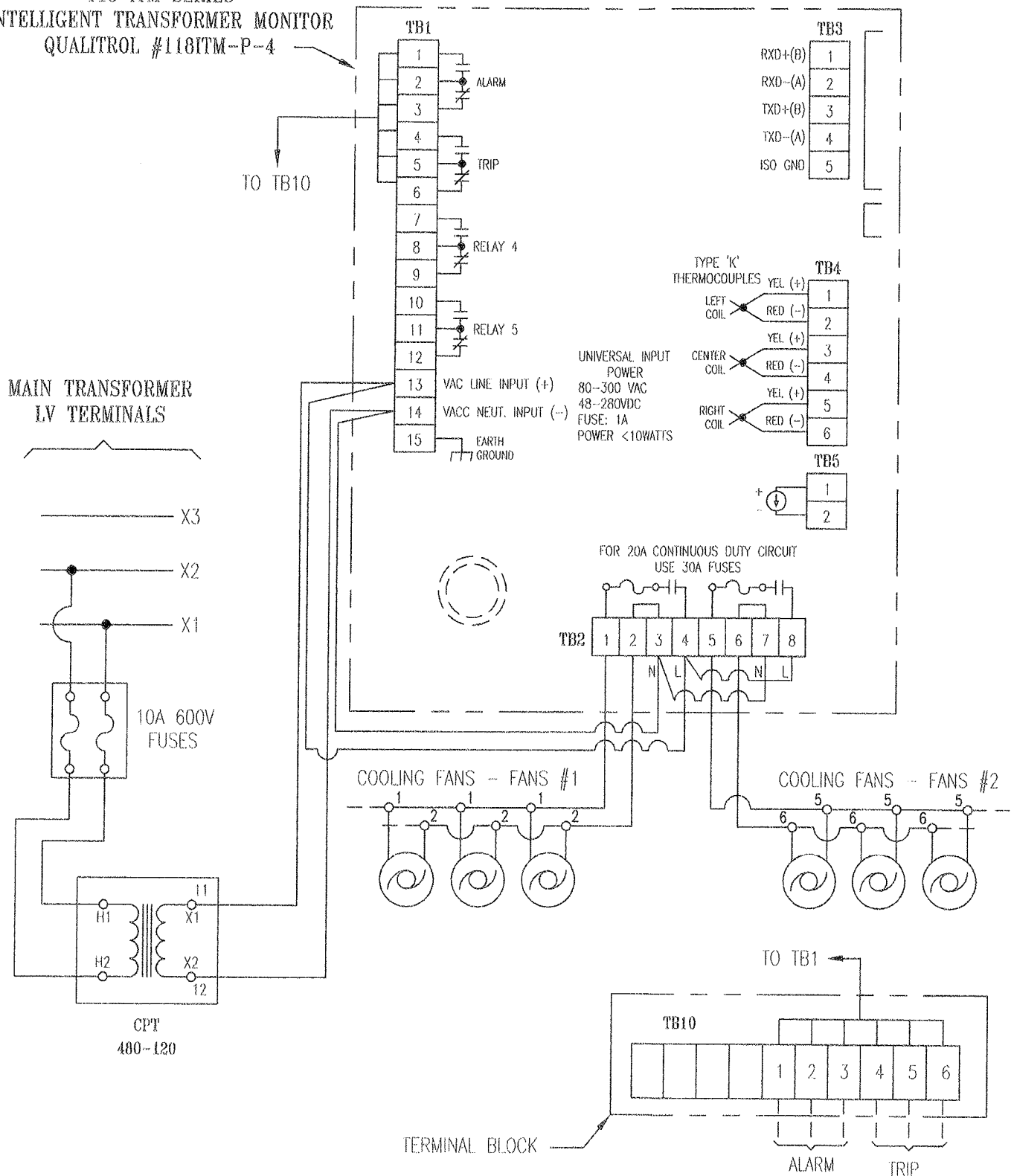


FOR 4160 V
 CONNECT EACH COIL AS SHOWN ABOVE
 B1 to E1
 B2 to E2
 B3 to E3

S.O. NO: 14-14768A
DWG FOR: ☒ RECORD ☐ APPROVAL ☐ QUOTE
CUST/JOB NAME: THE NEW IEM
CUST ORDER NO: 356240
SERIAL NO:
ID TAG:
KVA: 2000/2667
HIGH VOLTAGE: 2400 X 4160 DELTA (SEE NOTE #12)
LOW VOLTAGE: 480Y/277
HV TAPS: 2A 2B 2 1/2% @2400
2A 2B 2.9% @4160
HV-KV BIL: 20 X 30
LV-KV BIL: 10
PHASE: 3
FREQ-HZ: 60
TEMP RISE-°C: 150
COOLING CLASS: AA/FA
INSULATION CLASS: 220°C
WINDING COND: ALUMINUM

PAGE 2 OF 2	SCALE: NONE	TITLE: CORE & COIL WIRING DIAGRAM RECONNECTALBE
BY	DATE	
CADD: GPS	10/16/14	
CHKD: NKA	10/16/14	
APPD: [Signature]	10-17-14	
REVISIONS		
MGM TRANSFORMER CO. CITY OF COMMERCE, CALIFORNIA TEL: (323) 726-0888, FAX: (323) 726-8192		CAD NO. MU02000N3-05344

118 ITM SERIES
INTELLIGENT TRANSFORMER MONITOR
QUALITROL #118ITM-P-4



NOTES:

1. FOR ADDITIONAL INFORMATION SEE 118 ITM SERIES QUALITROL INTELLIGENT TRANSFORMER MONITOR INSTRUCTION BOOK (IST-102-1 ECN 30314).
2. FANS QTY. MAY Varies, SEE OUTLINE DRW.

CADFILE: 600-0277		TITLE: 118 ITM FORCED AIR COOLING SYSTEM W/CPT SCHEMATIC	
BY	DATE	 MGM TRANSFORMER CO. LOS ANGELES, CALIFORNIA	
CADD: CPG	02/28/2013		
CHKD: NKA	02/28/2013		
REVISIONS	APPD: <i>[Signature]</i> 3-1-13	SCALE: NONE	DWG. NO: AD600-0277
		REV:	PAGE 01 OF 01