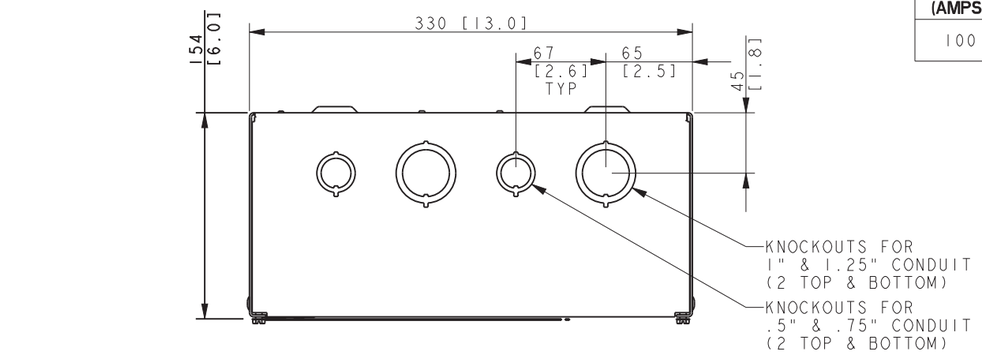
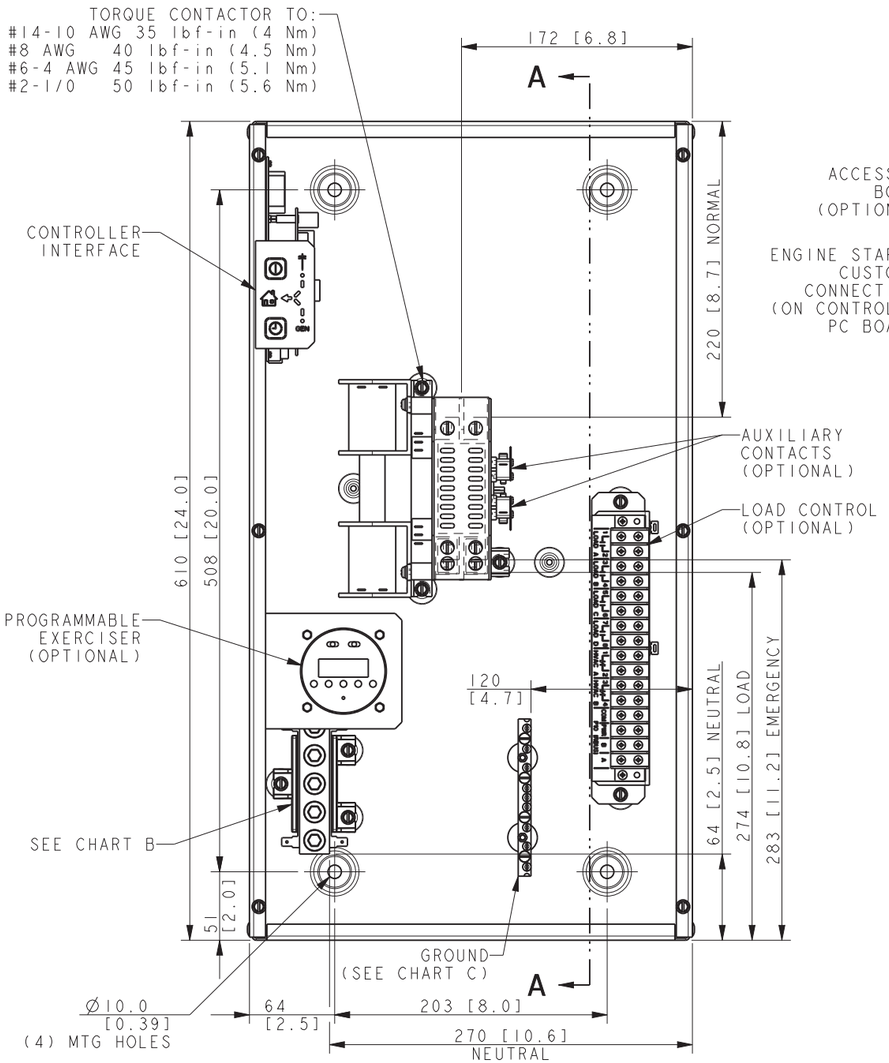
A: SCREW TYPE TERMINALS FOR EXTERNAL POWER CONNECTION			
SWITCH RATING (AMPS)	RANGE OF AL-CU WIRE SIZES		
	CONTACTOR (PER PHASE)	NEUTRAL	GROUND
100	(1) #14 TO 1/0 AWG	(3) #12-250 KCMIL (Cu) (3) #10-250 KCMIL (Al)	(9) #14 TO #6 AWG (4) 1/0 TO #14 AWG

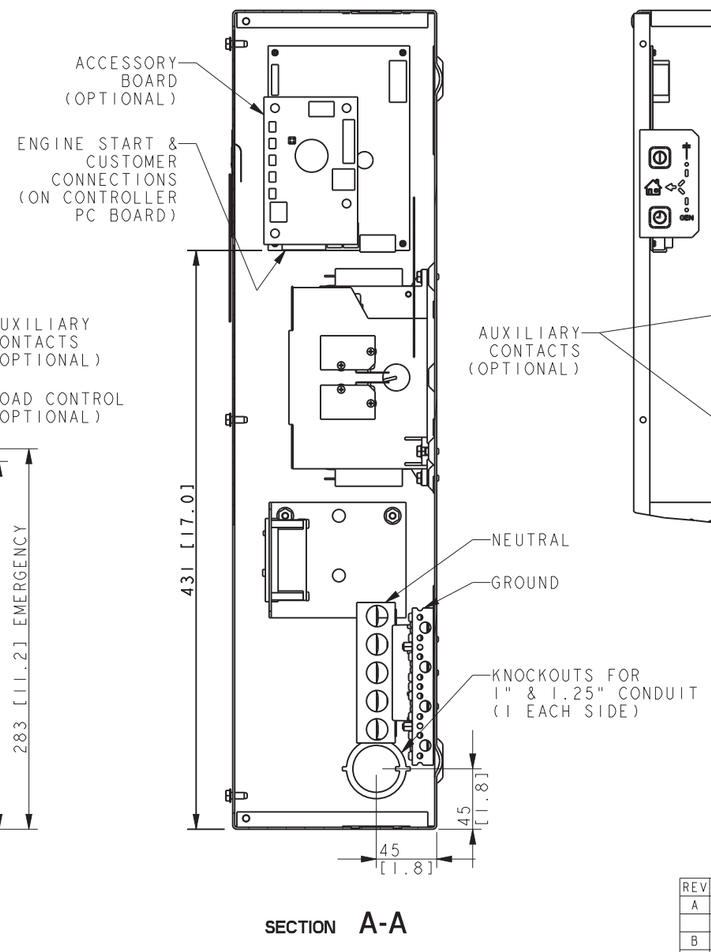
B: NEUTRAL TORQUE	
#14-10 AWG	60 lbf-in (6.8 Nm)
#8-3 AWG	120 lbf-in (13.6 Nm)
#2-2/0 AWG	240 lbf-in (27.1 Nm)
3/0-250 KCMIL	275 lbf-in (31.1 Nm)

C: GROUND TORQUE		
LARGE HOLE		SMALL HOLE
#14-10 AWG #8 AWG #6-4 AWG #2-1/0	35 lbf-in (4 Nm) 40 lbf-in (4.5 Nm) 45 lbf-in (5.1 Nm) 50 lbf-in (5.6 Nm)	#14-10 AWG 15 lbf-in (1.7 Nm) #8-6 AWG 25 lbf-in (2.8 Nm)

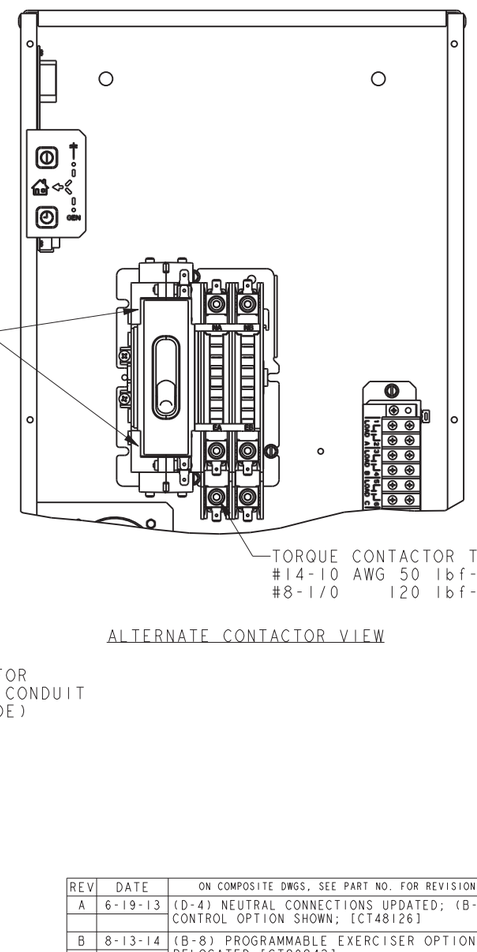




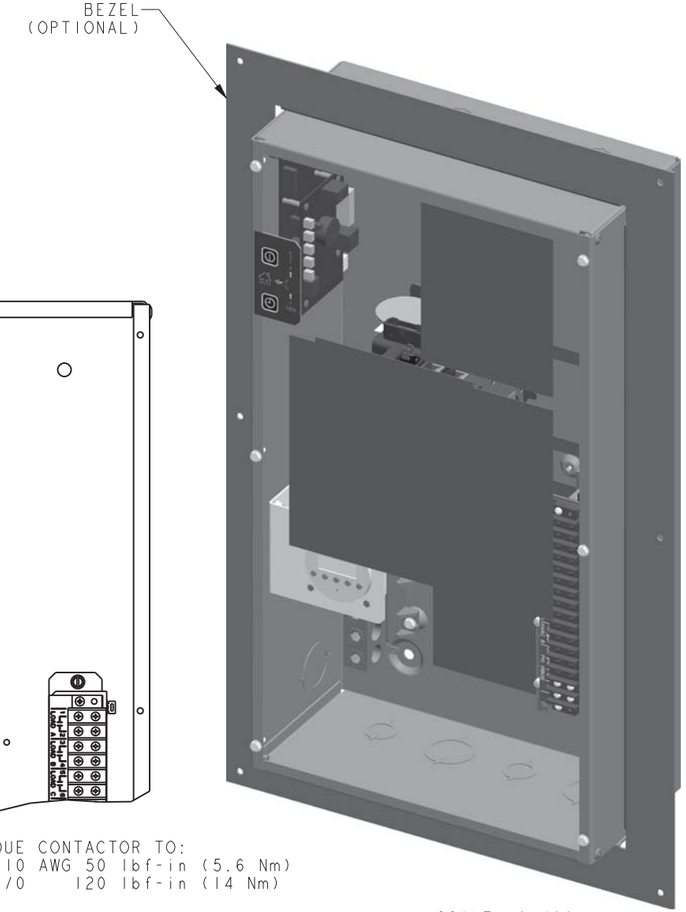
(COVER REMOVED TO SHOW DETAILS)



SECTION A-A



ALTERNATE CONTACTOR VIEW



SCALE 0.400

NOTES:
DIMENSIONS IN [ ] ARE INCHES.

FINISH: ANSI 49 GRAY.

REFER TO OPERATOR'S MANUAL PRIOR TO INSTALLATION AND OPERATION OF UNIT.

APPROXIMATE WEIGHT: 7 Kg (15 LBS.)

MODEL R
100A RESIDENTIAL ATS
MPAC 500 CONTROLLER
STANDARD TRANSITION
NEMA 1 ENCLOSURE

REV	DATE	ON COMPOSITE DWGS, SEE PART NO. FOR REVISION LEVEL	BY
A	6-19-13	(D-4) NEUTRAL CONNECTIONS UPDATED; (B-5) LOAD CONTROL OPTION SHOWN; [CT48126]	BTW
B	8-13-14	(B-8) PROGRAMMABLE EXERCISER OPTION RELOCATED;[CT89842]	BTW
C	10-6-17	(D-1) (9) #14 TO #6 AWG WAS (9) #14 TO #4 AWG, (4) 1/0 TO #14 AWG ADDED; ALTERNATE CONTACTOR VIEW ADDED; [CT181683]	BTW
D	4-10-18	(D-2,4)TABLES B & C ADDED, (C-8) NOTES ADDED & UPDATED [CT186584	RMJ

UNLESS OTHERWISE SPECIFIED -
1) DIMENSIONS ARE IN MILLIMETERS
2) TOLERANCES ARE:
X.XX ± 0.25
X.X ± 1.0
X ± 1.5
ANGLES ± 0° 30'
SURFACE FINISH MAX.
THIRD ANGLE PROJECTION

APPROVALS		DATE
DRAWN	BTW	8-12-11
CHECKED	BTW	8-12-11
APPROVED	MTL	8-12-11

KOHLER CO. METRIC PRO-E
POWER SYSTEMS, KOHLER, WI 53044 U.S.A.

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TITLE: DIMENSION PRINT

SCALE 0.45 | CAD NO. | SHEET 1 of 1

DWG NO. ADV-8437 | D