

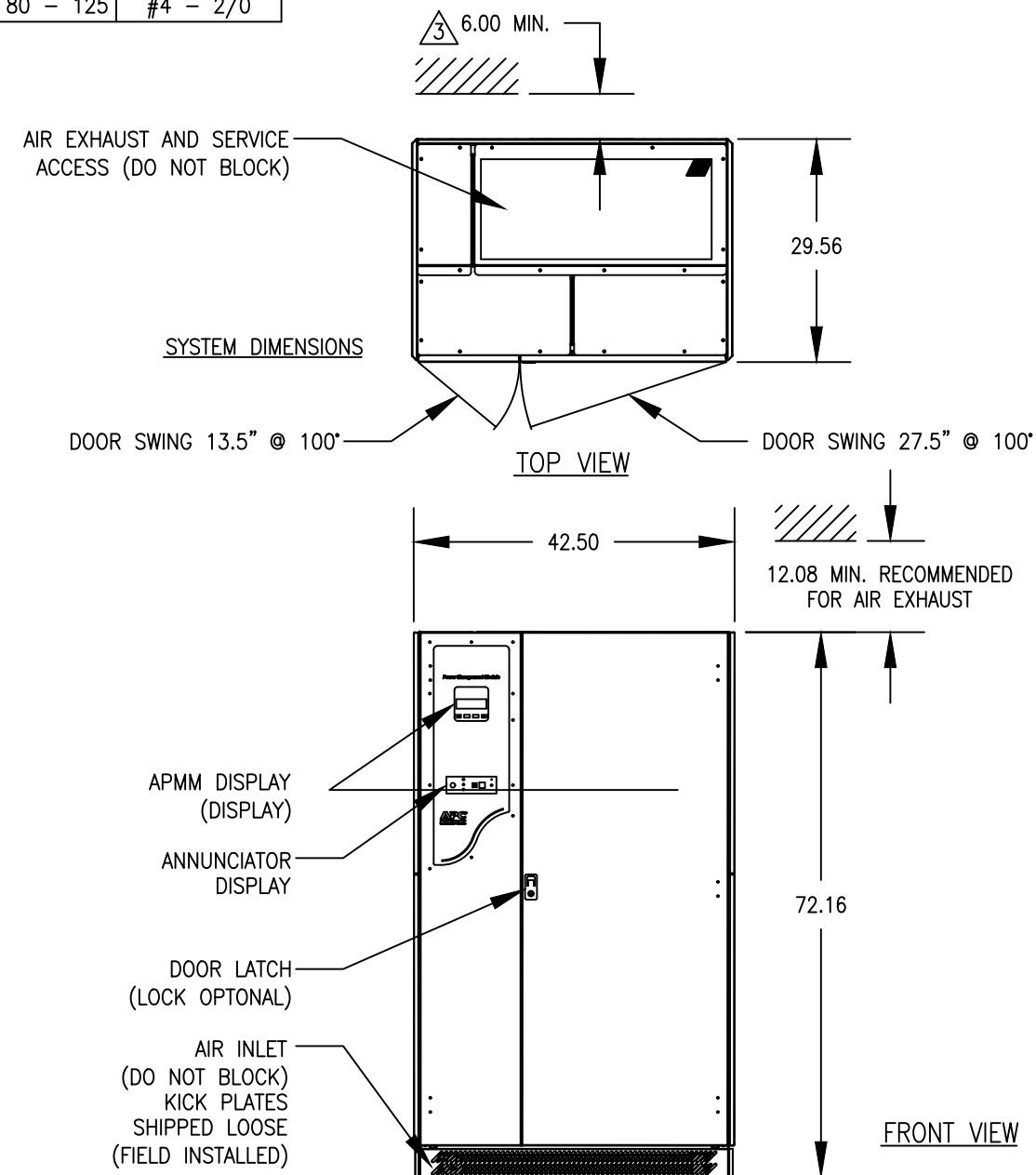
TABLE 1:
INPUT POWER CONNECTIONS/WEIGHT/HEAT REJECTION

SYSTEM KVA	INPUT VOLTS	INPUT CIRCUIT BREAKER				WT.(LBS.)	BTU/HR
		TRIP AMPS	CONNECTOR LUG WIRE RANGE		CONDUIT SIZE		
			STANDARD CB	HI-INTERRUPT CB			
30	208/120	110	(1) #4 - 350	(1) #4 - 350	2	675	600
30	208	110	(1) #4 - 350	(1) #4 - 350	2	1170	2800
30	480	50	(1) #14 - 1/0	(1) #14 - 1/0	2	1170	2800
50	208/120	175	(1) #4 - 350	(1) #4 - 350	2	675	600
50	208	175	(1) #4 - 350	(1) #4 - 350	2	1280	4100
50	480	80	(1) #14 - 1/0	(1) #14 - 1/0	2	1280	4100
50	600	60	(1) #14 - 1/0	(1) #14 - 1/0	2	1280	4100
75	208/120	300	(1) #1 - 600	(3) 3/0 - 500	(2) 2 1/2	675	600
75	208	300	(1) #1 - 600	(3) 3/0 - 500	(2) 2 1/2	1420	5200
75	380	150	(1) #4 - 350	(1) #4 - 350	2	1620	5200
75	480	125	(1) #4 - 350	(1) #4 - 350	2	1620	5200
100	208/120	350	(1) #1 - 600	(3) 3/0 - 500	(2) 2 1/2	675	600
100	208	350	(1) #1 - 600	(3) 3/0 - 500	(2) 2 1/2	1670	5800
100	480	150	(1) #4 - 350	(1) #4 - 350	2	1670	5800
125	380	250	(1) #4 - 350	(1) 1/0 - 350	2	2180	6500
125	480	200	(1) #4 - 350	(1) 1/0 - 350	2	2030	6500
125	600	150	(1) #4 - 350	(1) #4 - 350	2	2030	6500
150	380	300	(1) #1 - 600	(3) 3/0 - 500	(2) 2 1/2	2420	7300
150	480	225	(1) #4 - 350	(1) 1/0 - 350	2	2240	7300
150	600	200	(1) #4 - 350	(1) 1/0 - 350	2	2240	7300
200	480	350	(1) #1 - 600	(3) 3/0 - 500	(2) 2 1/2	2490	9700
225	380	450	(3) 3/0 - 500	(3) 3/0 - 500	(2) 2 1/2	2790	9800
225	480	400	(1) #1 - 600	(3) 3/0 - 500	(2) 2 1/2	2670	9800
300	480	600	(3) 3/0 - 500	(3) 3/0 - 500	(2) 2 1/2	3170	11100

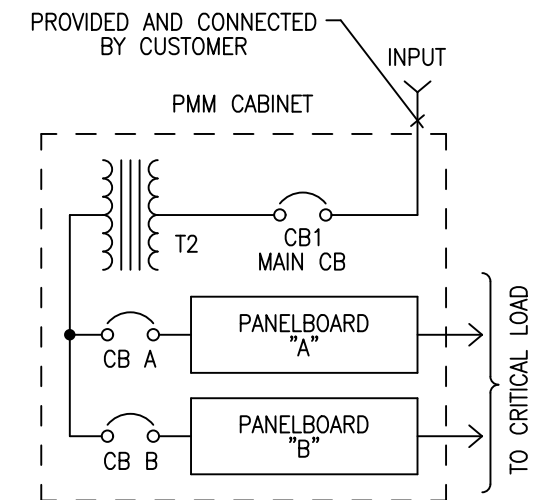
TABLE 2:
OUTPUT POWER CONNECTIONS

TRIP AMPS	WIRE CONNECTIONS
10 - 30	#14 - 8
35 - 70	#8 - 2
80 - 125	#4 - 2/0

SYSTEM DIMENSIONS



SINGLE LINE DIAGRAM



12. THIS CABLE TRAY IS REQUIRED FOR ALL TOP ENTRY UNITS TO PREVENT DAMAGE TO PCBA'S & TO KEEP CONTROL CIRCUITS AWAY FROM POWER CIRCUITS. IT CAN TEMPORARILY BE REMOVED TO AID IN PULLING CABLES BUT CAN NOT BE LEFT OUT. IT ACTS AS A PROTECTIVE BARRIER AND OUTPUT CABLE TRAY. SYSTEM WARRANTY IS VOID IF LEFT OUT. FURTHERMORE, LEAVING IT OUT CAN CAUSE SUSTEM MALFUNCTIONS OR FAILURE.

11. FOR ZIG-ZAG TRANSFORMER OPTION:
PANEL A CONNECTED TO WINDING 1
PANEL B CONNECTED TO WINDING 2

10. WHEN MAKING INPUT CONNECTIONS, MAKE SURE THAT THE EXISTING CONTROL WIRING ARE KEPT IN PLACE.

9. INPUT NEUTRAL BUSBAR IS ONLY PROVIDED ON TRANSFORMERLESS MODELS. IF USED, CONNECT NEUTRAL CABLES AS SHOWN.

8. IF OPTIONAL J-BOX IS SUPPLIED, REFER TO SEPARATE INSTALLATION DRAWINGS.

7. ALL CABLE CONNECTIONS ARE BASED ON CUSTOMER SUPPLIED COPPER WIRE RATED 75° C.

6. CUSTOMER TO REMOVE AND CUT HOLES IN CONDUIT PLATE AS REQUIRED.

5. FOLLOW THE NEC (NATIONAL ELECTRICAL CODE) AND OTHER APPLICABLE LOCAL CODES.

4. HEAT LOSS BASED ON FULL RESISTIVE LOAD CAN VARY +/-10% UNDER DIFFERENT LOAD CONDITIONS.

3. 6.00 INCHES REAR CLEARANCE IS REQUIRED FOR VENTILATION.
36.00 INCHES FRONT CLEARANCE FOR MAINTENANCE.

2. REFER TO OWNERS MANUAL FOR INSTALLATION AND OPERATING INSTRUCTIONS.

1. COLOR: LIGHT GREY

NOTES: UNLESS OTHERWISE SPECIFIED.

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TITLE:
MGE POWER MANAGEMENT MODULE
SYSTEM 084 PMM
INSTALLATION DRAWING

PROJECT: STD SUBMITTAL DRAWINGS SHEET 1 OF 3

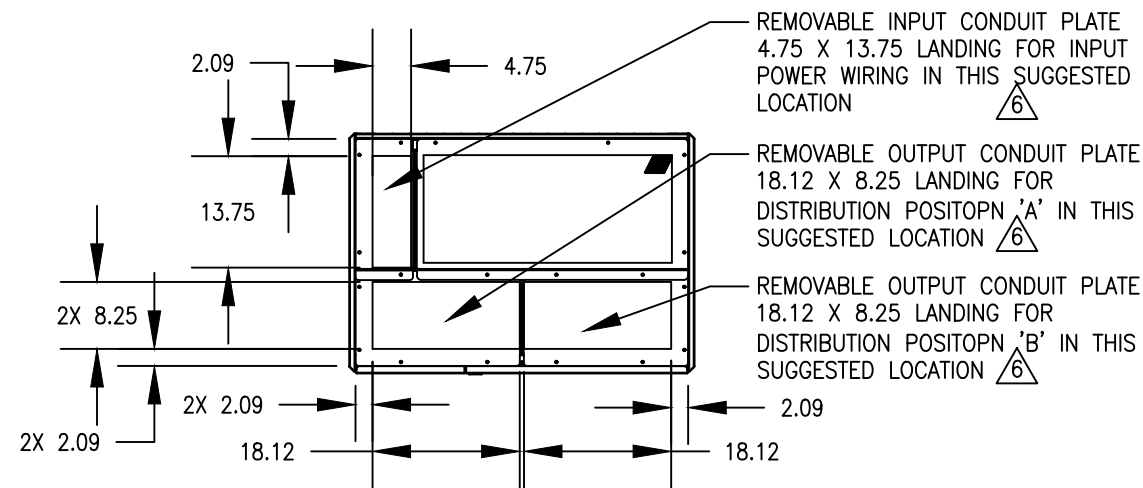
DWG NO: 90-505000-00 REV. 3

DRAWN: YRS 14-JAN-02

ENGINEER: J CHEN 14-JAN-02

APPROVED: I KENNEDY 14-JAN-02

THIRD ANGLE PROJ.



INPUT TOP ENTRY
SUGGESTED CABLE
LANDING LOCATION'

SUGGESTED CABLE
ROUTING FOR OUTPUT
PANELBOARD IN
POSITION 'A' OR 'B'

TOP EXIT SUGGESTED
CABLE ROUTING FOR
OUTPUT PANELBOARD
IN POSITION 'A'

TOP EXIT SUGGESTED
CABLE ROUTING FOR
4CB OUTPUT IN
POSITION 'B'

TOP EXIT SUGGESTED
CABLE ROUTING FOR
4CB OUTPUT IN
POSITION 'A' OR 'B'

△ CABLE TRAY REQUIRED
(TOP ENTRY ONLY)

MULTI-CIRCUIT METER
(OPTIONAL)

MANUAL RESTART
(OPTIONAL)

TB1 & TB2 (SEE PMM CONTROL
CONNECTIONS, SHT 3)
INPUT MAIN FRAME CB1 CIRCUIT
BREAKER, SEE DETAIL - A, SHT 3
& TABLE 1, SHT 1

INPUT ISOLATED GROUND
BUSBAR (OPTIONAL),
SEE DETAIL - D, SHT 3

△ INPUT NEUTRAL BUSBAR
(OPTIONAL),
SEE DETAIL - B, SHT 3

RAISED FLOOR

OUTPUT GROUND
(TOP ENTRY ONLY)
SEE DETAIL - C, SHT 3

PANELBOARD MAIN
CIRCUIT BREAKER 225A

OUTPUT NEUTRAL
(42) #14 - 4AWG

42-POST DIST PANELBOARD POSITION
'A' (OPTIONAL, IN ANY POSITION)
(OPTIONAL DIST BREAKERS ALSO
AVAILABLE UPON REQUEST),
SEE TABLE 2, SHT 1

BRANCH CURRENT
MONITOR (OPTIONAL)

OUTPUT MAIN FRAMW CB'S POSITION 'B'
(OPTIONAL, IN ANY POSITION),
SEE DEATIL - E, SHT 3

OUTPUT GROUND (BOTTOM ENTRY ONLY),
SEE DEATIL - C, SHT 3

OUTPUT ISOLATED GROUND (OPTIONAL),
SEE DEATIL - C, SHT 3

REMOVABLE CONDUIT PLATE
SEE DEATIL - F,G & H, SHT 3

LEFT VIEW
SUGGESTED TOP INPUR
(SHOWING NO INPUT ISOLATION
TRANSFORMER OPTION)

△ INPUT POWER JUNCTION BOX
WITH 10FT INPUT CABLE
(OPTIONAL)

FRONT VIEW
PANELBOARD A & 4CB OUTPUT
SUGGESTED ROUTING &
COMPONENT LOCATION

RIGHT VIEW
SUGGESTED TOP OUTPUT
ROUTE FOR 4CB OPTION
(SHOWING INPUT ISOLATED
TRANSFORMER OPTION)

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Schneider Electric

TITLE:
MGE POWER MANAGEMENT MODULE
SYSTEM 084 PMM
INSTALLATION DRAWING

DWG NO: 90-505000-00

REV. 2

PROJECT: STD SUBMITTAL DRAWINGS SHEET 2 OF 3

DRAWN:	YRS	14-JAN-02	THIRD ANGLE PROJ.
ENGINEER:	J CHEN	14-JAN-02	
APPROVED:	I KENNEDY	14-JAN-02	

SHT	DRAWING NUMBER	REVISION									REVISION DESCRIPTION	REVISION INITIATED BY (ECO/ENGR)	REVISION APPROVED BY
		2											
1	90-505000-00_1	11/23/2010									SE TEMPLATE INCORPORATED	E.D.	E.D.
2	90-505000-00_2	11/23/2010									SE TEMPLATE INCORPORATED	E.D.	E.D.
3	90-505000-00_3	11/23/2010									SE TEMPLATE INCORPORATED	E.D.	E.D.

NOTE:
SEE BELOW FOR PREVIOUS REVISIONS.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A00	NEW RELEASE ECN-002680	6/12/2002	I KENNEDY
B00	REVISED PER ECN-002822	8/21/2002	I KENNEDY
C00	REVISED PER ECN-003493	6/6/2005	I KENNEDY
1	ADD CABLE ROUTING	8/26/2009	VNE
	CONSTRUCTIONS BR-3819		
3	CHANGE OF XFMR	4/3/2017	G. RAMIREZ

FILE: 90-505000-00REV3	INITIALLY DRAWN BY: YRS	FILE REV: 3
INITIAL RELEASE: 14-JAN-02	INITIALLY APPROVED BY: JC/IK	DATE: 3-ABR-17