

OUTLINE FOR ASCO® 300 SERIES 2600-3200 AMPERE "G" FRAME (3ATS,3NTS,3ADTS,3NDTS) REAR CONNECTED TRANSFER SWITCHES OPEN TYPE

GENERAL NOTES

1. THE STANDARD SWITCH CONFIGURATION IS FOR TOP EMERGENCY & LOAD AND BOTTOM NORMAL. OPTIONALLY, THE SWITCH MAY BE SUPPLIED WITH REVERSE SOURCES AND/OR BOTTOM LOAD. (REFER TO THE WIRING DIAGRAM FURNISHED WITH EACH TRANSFER SWITCH TO DETERMINE TERMINATION POSITIONS).
2. NEUTRAL CONFIGURATIONS:
AN FULL RATED NEUTRAL CONFIGURATION FOR EACH SOURCE AND THE LOAD MAY BE PROVIDED. WHEN EQUIPPED IT IS IN ONE OF THE FOLLOWING FORMATS AS SPECIFIED BY THE CATALOG NUMBER NO. NEUTRAL TYPE:
(A) SOLID (COPPER BUS) NEUTRAL
(B) SWITCHED NEUTRAL POLE
3. THE STANDARD MECHANICAL (SCREW TYPE) AL/CU TERMINAL LUGS ARE SHOWN FOR REFERENCE.
4. SWITCH NEUTRAL POLE IS SHOWN FOR REFERENCE.
5. WHEN INSTALLING CONDUCTORS, CONNECT TO SIMILARLY MARKED PHASES OF NORMAL, EMERGENCY & LOAD.
6. ALL INTERNAL CONNECTIONS ARE MADE AT FACTORY.
7. MAINTAIN ELECTRICAL CLEARANCE OF 1 INCH (25.4 mm) BETWEEN LIVE METAL PARTS AND GROUNDED METAL.
8. WHEN MOUNTING THE TRANSFER SWITCH IN THE ENCLOSURE, THE CONTROL PANEL(S) AND OPERATOR CONTROLS SHOULD BE MOUNTED ON THE INSIDE, REAR SURFACE OF THE DOOR. 6 IN. MIN. DEPTH TO TRANSFER SWITCH FOR CONTROLS IS REQUIRED.
9. THE CONTROL PANEL(S) IS CONNECTED TO THE TRANSFER SWITCH BY A HARNESS WITH A QUICK DISCONNECT PLUG(S). THE HARNESS EXITS THE TRANSFER SWITCH ON THE RIGHT SIDE. CONSULT FACTORY FOR EXTENSION HARNESSES.
10. OPTIONAL ACCESSORY ADD-ON PANELS.
11. FOR TYPE 1 ENCLOSURE SEE DETAIL A -1 AND DETAIL B -1 FOR CUTOUT DATA.
FOR TYPE 3R, 4, & 12 ENCLOSURE SEE DETAIL A -2 & DETAIL B -2 FOR CUTOUT DATA.
GASKETS AND BEZELS ARE PROVIDED FOR TYPE 3R, 4, & 12 ENCLOSURE.
12. CUSTOMER TERMINAL BLOCKS (SEE SHEET 2):
FOR 3ATS, 3NTS, 3ADTS AND 3NDTS THE TB WILL BE MOUNTED ON THE TRANSFER SWITCH.

SIZE	CABLE ACCOMMODATIONS (PER PHASE & NEUTRAL)
2600-3200	SCREW TYPE (STANDARD)- (12) 1/0 - 750 MCM AL/CU

NOTE : CONSULT FACTORY FOR OTHER CABLING & TERMINATION REQUIREMENTS.

APPROXIMATE SHIPPING WEIGHT, LBS (KG)

AMP SIZE	POLES	WEIGHT
2600 TO 3200	2	767 (348)
	B2	917 (416)
	C2	917 (416)
	3	917 (416)
	B3	997 (452)

MINIMUM ENCLOSURE REQUIREMENTS INCH (mm)

SWITCH RATING (AMPS)	HEIGHT	WIDTH	DEPTH
2600 & 3200	90 (2286)	38 (965)	60 (1524)

ENCLOSURE VENTILATION REQUIRED
TOTAL VENTILATION = 173 IN² (111613 mm²) MINIMUM.
RECOMMENDED: 33 IN² (21290 mm²) FRONT
140 IN² (90322 mm²) REAR

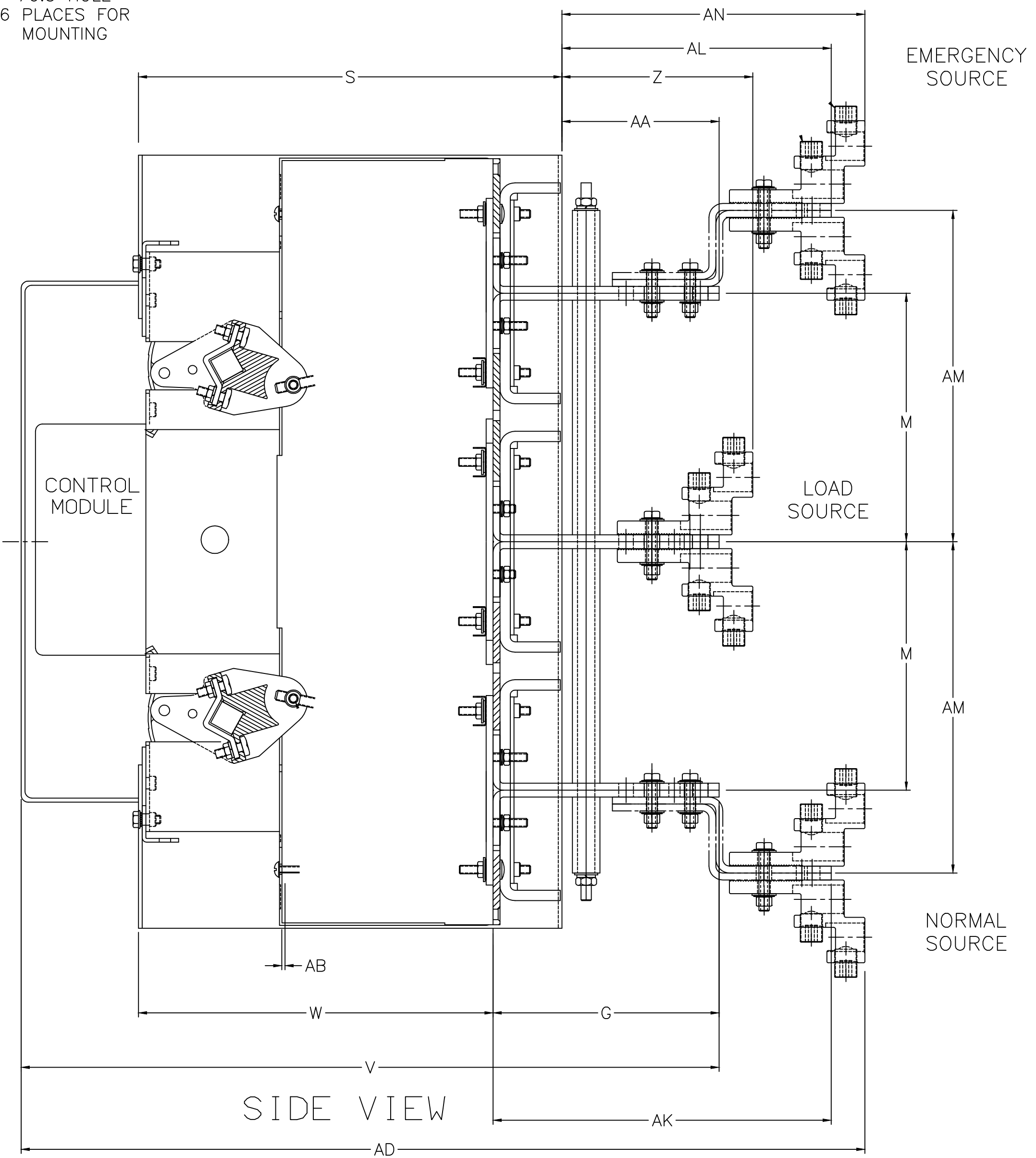
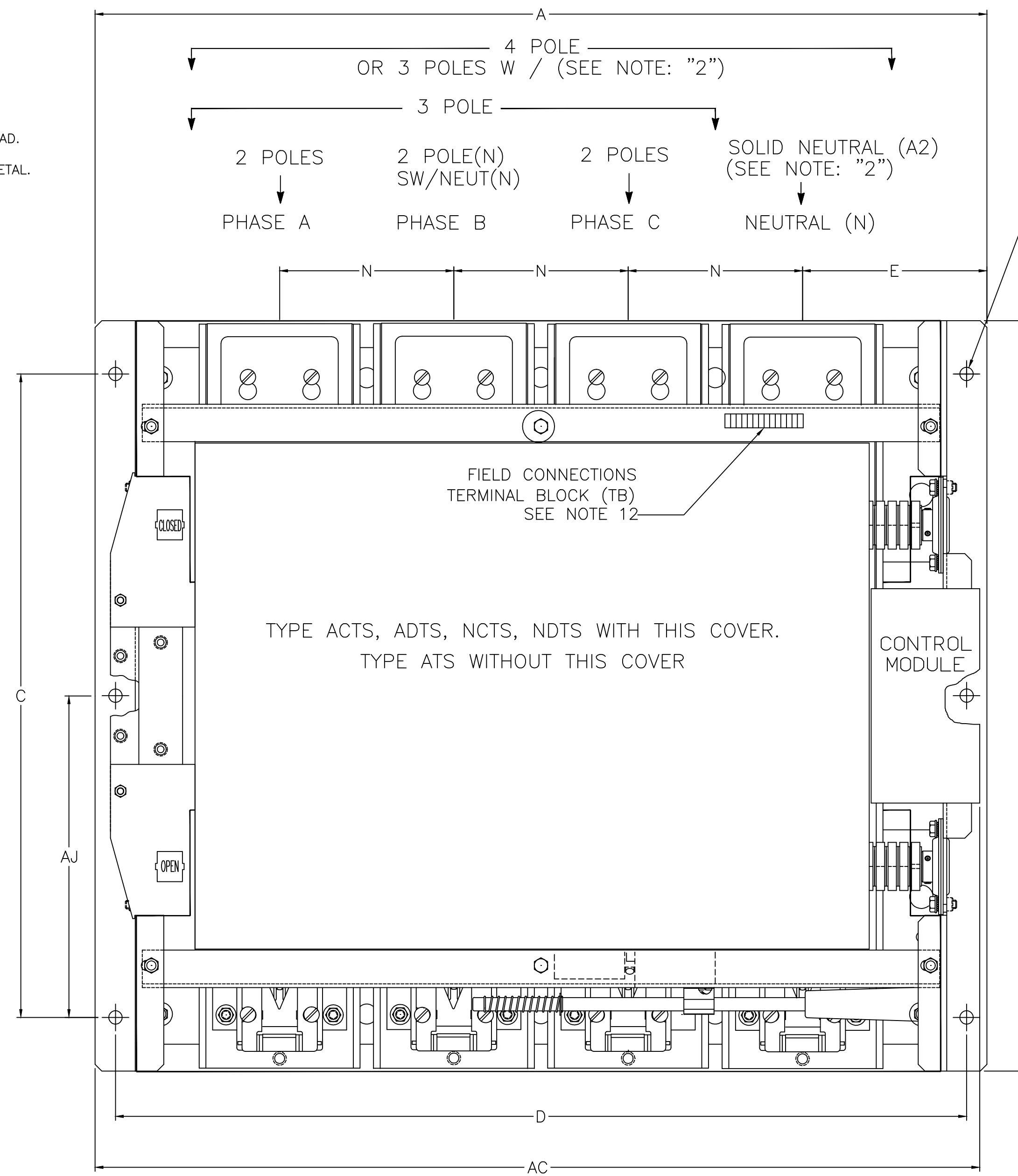
AMP SIZE	DIMENSIONS									
	A	B	C	D	E	F	G	H	J	K
2600 & 3200	33.27 845.1	28.00 711.2	24.00 609.6	31.75 806.5	6.88 174.8	—	8.20 208.3	1.68 42.7	1.75 44.45	1.09 27.7

AMP SIZE	DIMENSIONS									
	L	M	N	P	Q	R	S	T	U	V
2600 & 3200	1.37 34.80	9.00 228.6	6.50 165.1	2.18 55.37	—	2.00 50.8	14.9 378.5	—	—	25.29 642.4

AMP SIZE	DIMENSIONS									
	W	X	Y	Z	AA	AB	AC	AD	AE	AF
2600 & 3200	12.36 313.9	—	—	6.90 175.3	5.69 144.5	0.112 2.85	33.00 838.2	30.57 776.5	—	—

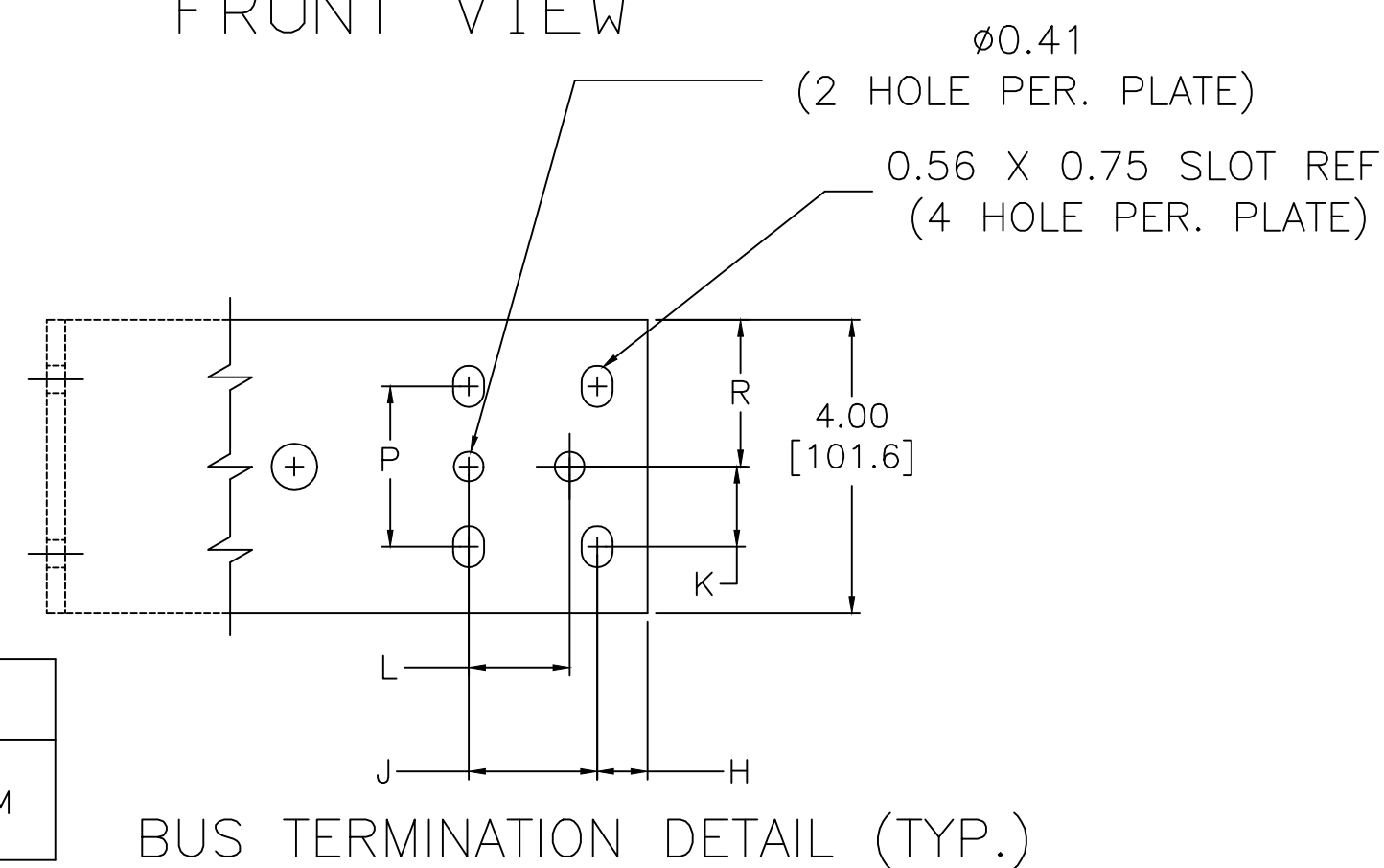
AMP SIZE	DIMENSIONS						
	AG	AH	AJ	AK	AL	AM	AN
2600 & 3200	—	—	12.00 304.8	12.25 311.2	9.75 247.7	12.00 304.8	11.00 279.4

AMP SIZE	BUS BAR PER PHASE BOLTING SURFACE
2600 THRU 3200	0.25 X 4.00 IN., 6.4 X 101.6 MM



FRONT VIEW

SIDE VIEW



A	246211	AE	BK	1/10/13
	246132	BWM	BK	1/6/14

PROJECT NAME: **OUTLINE**
300 SERIES TS "G"
2600-3200 AMPS OPEN TYPE

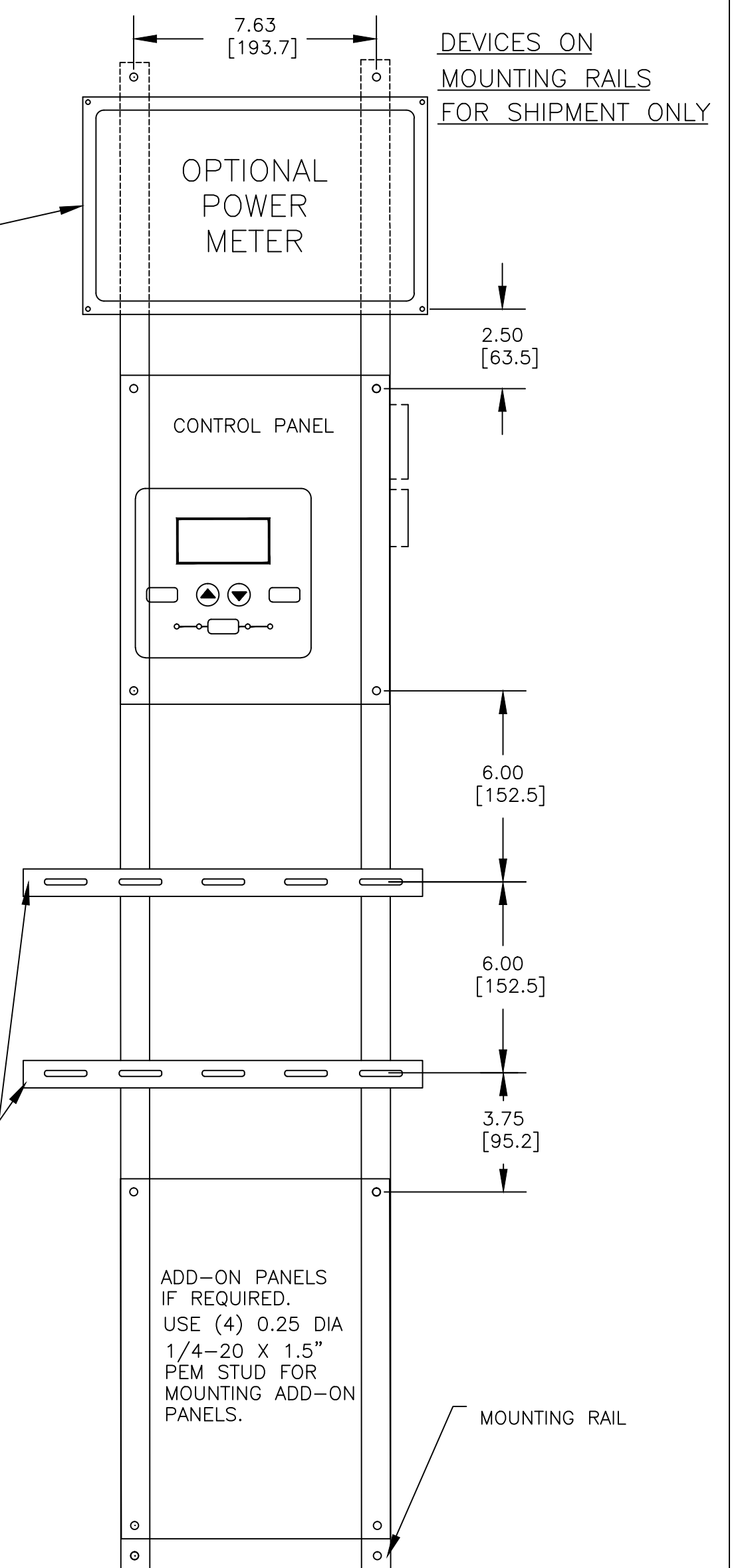
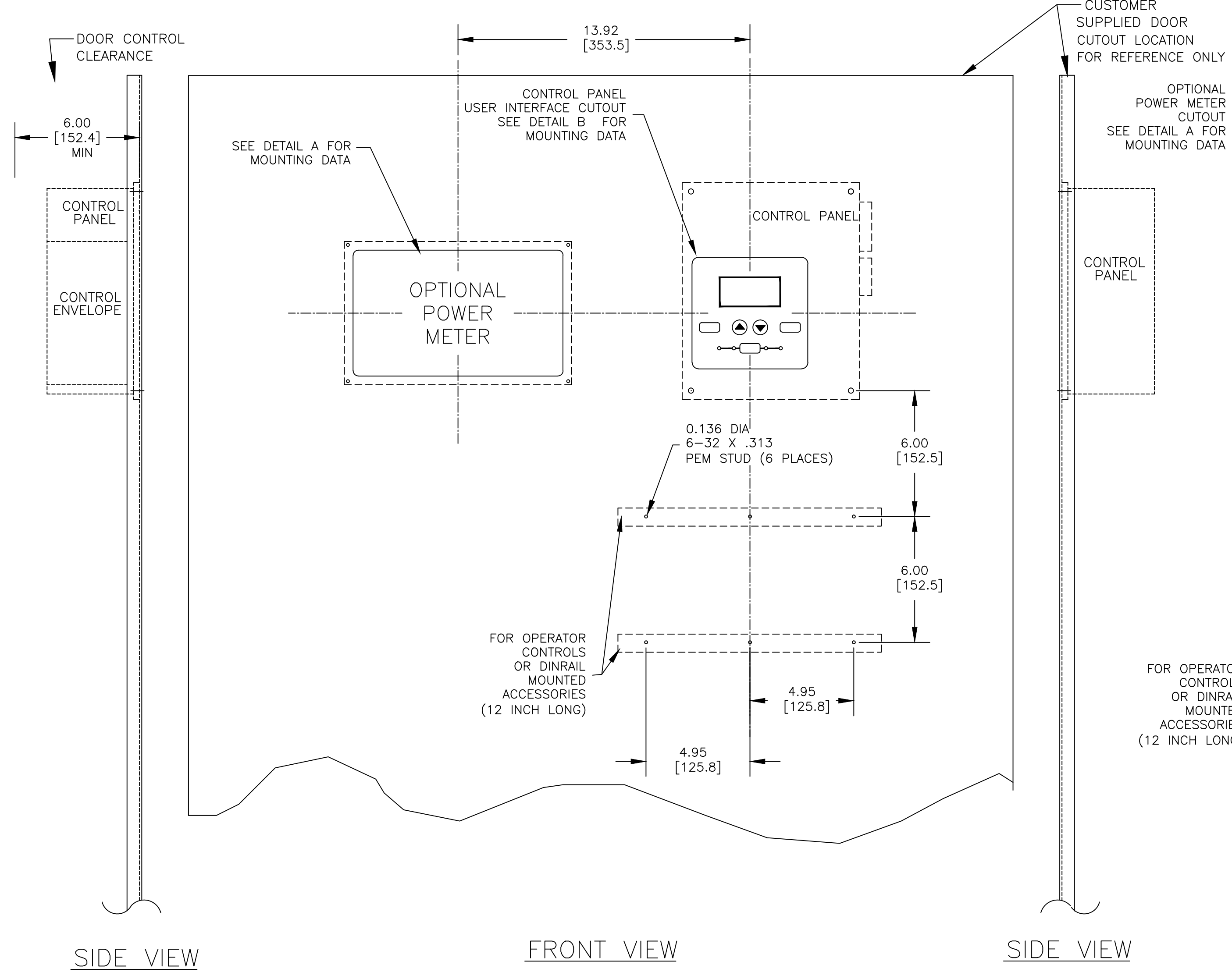
BY	DATE	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005.	ASSEM. REF. NO.	COMPUTER GENERATED DRAWING
BWM	1/6/14			
CHECKED	BK	PROPERTY OF ASCO POWER TECHNOLOGIES. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.	SCALE	1:1 DS
PROJECT APPROVAL	BK			
FINAL APPROVAL				

ASCO ASCO POWER TECHNOLOGIES, L.P.
FLORHAM PARK, NEW JERSEY 07932 U.S.A.

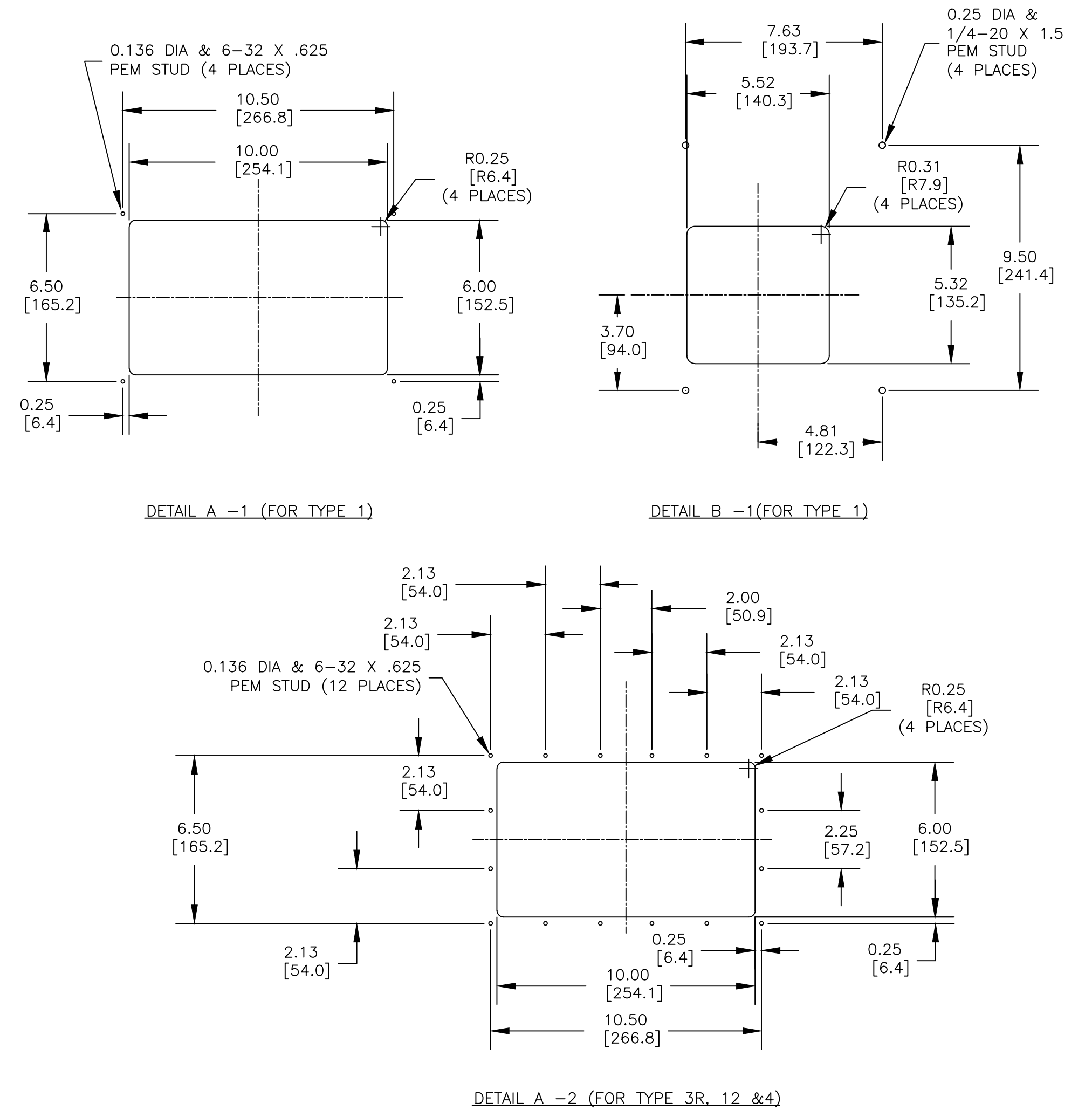
DWG. NO. **1001395-005**
 DRAWING A ECN NO. 246211 SHEET 1 OF 2

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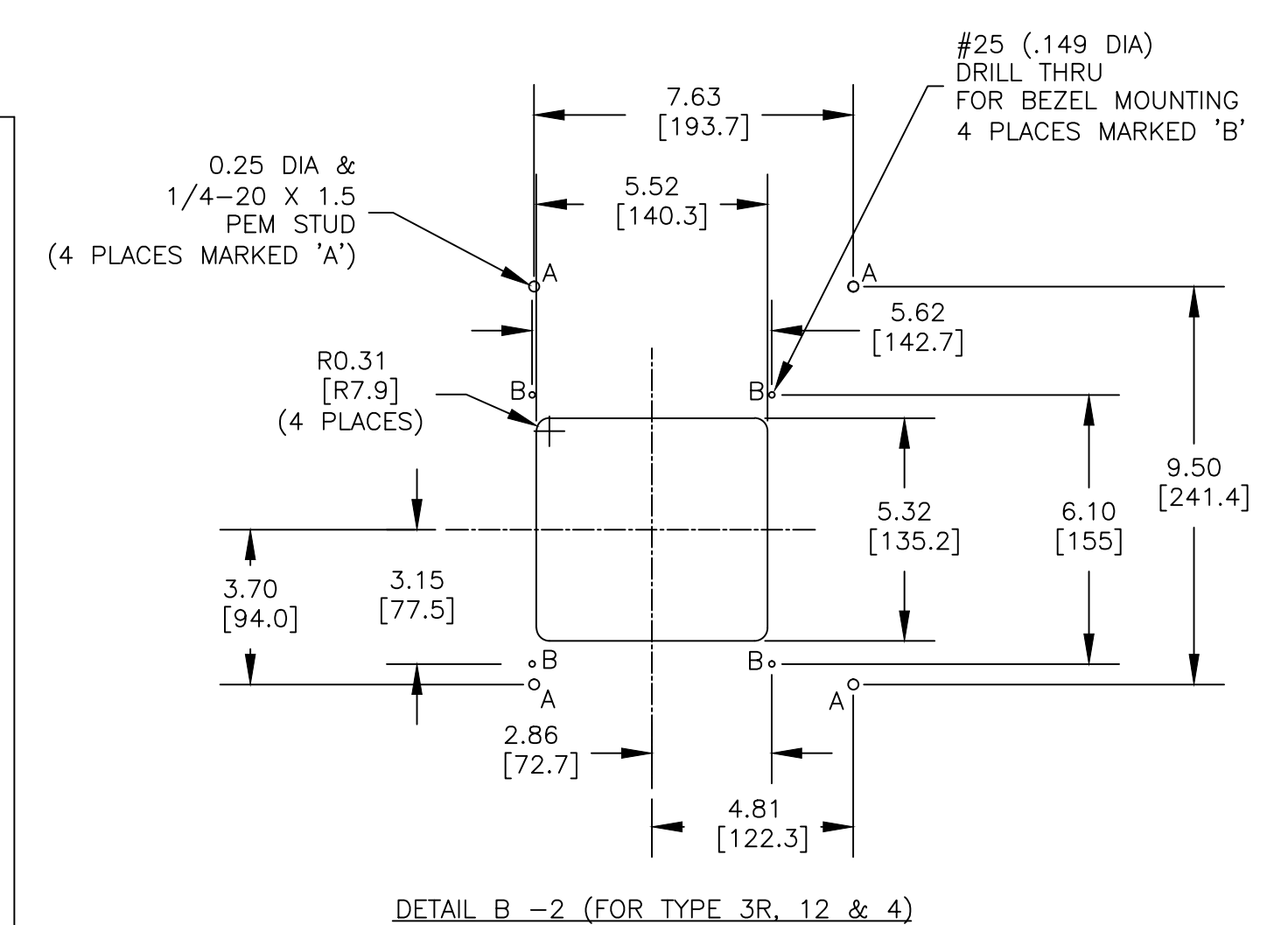
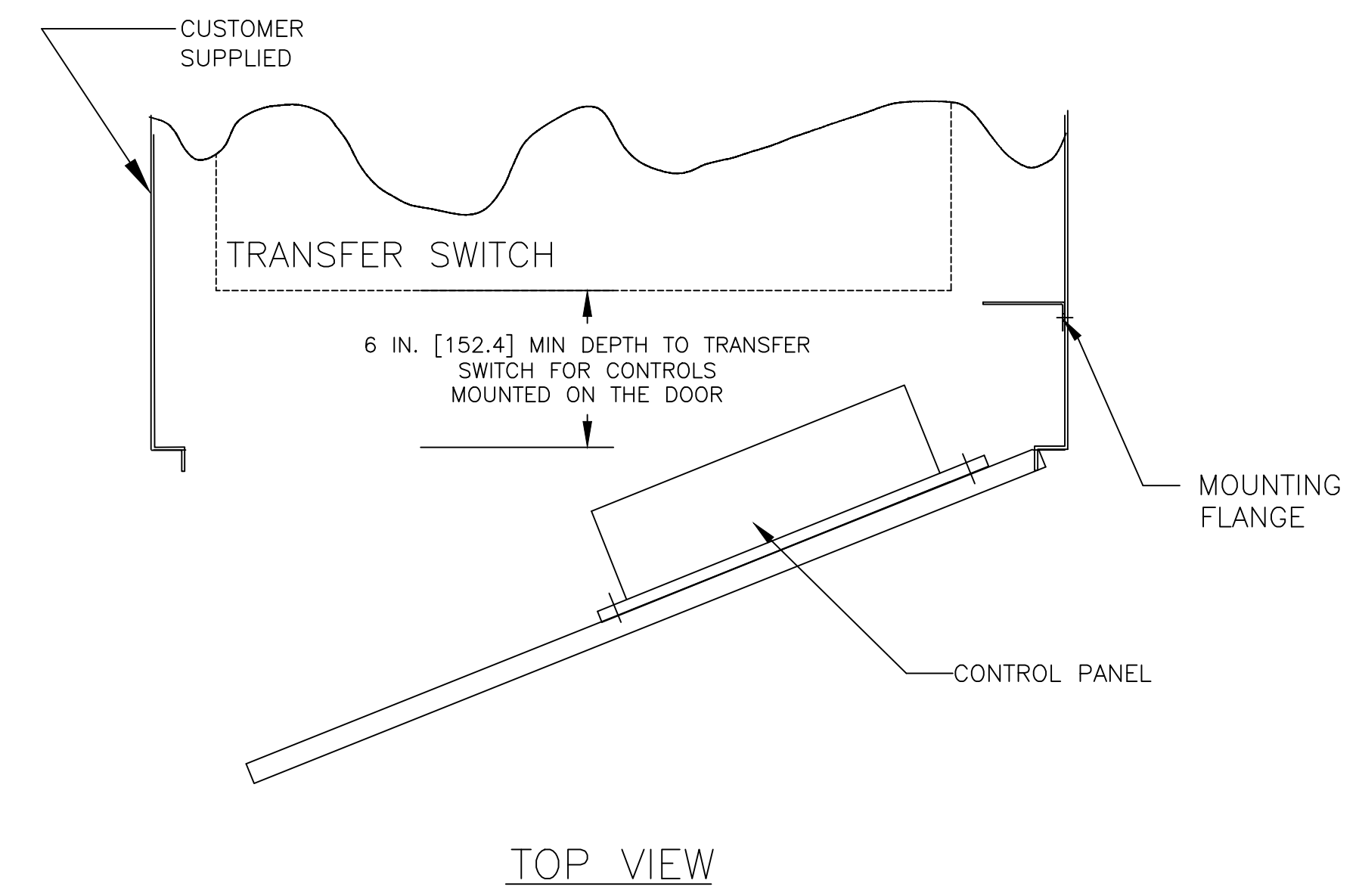
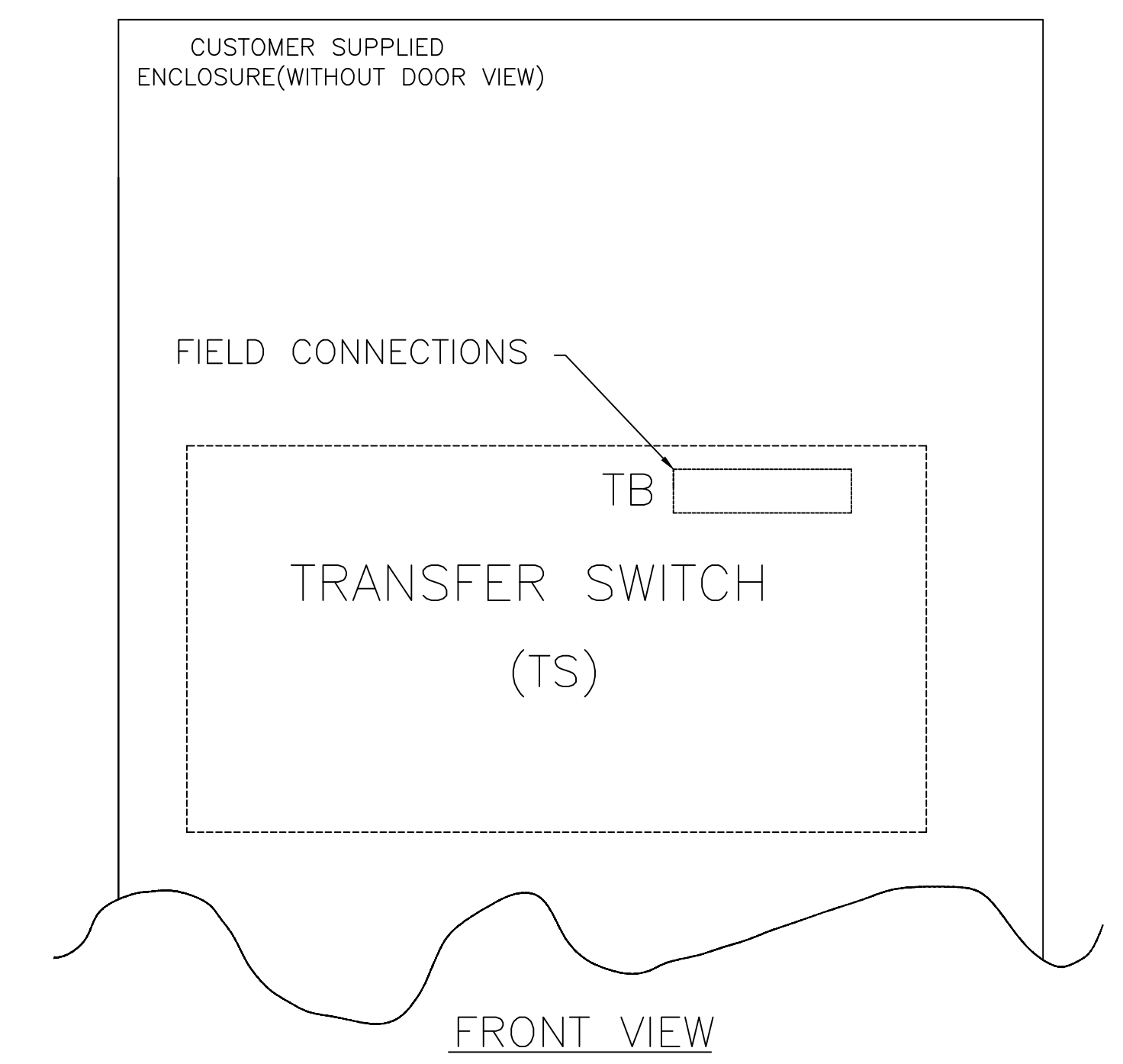
CONTROL PANEL & POWER METER MOUNTING



CONTROL PANEL & POWER METER DATA



CONTROL PANEL MINIMUM SPACING REQUIRED



REV. TO SHEET	REV. NO.	ECN NO.	BY	APP.	DATE
A	246211	AE	BK		1/10/13
					SEE ECN
	246132	BWM	BK		1/6/14
					ISSUE
PROJECT NAME:					
OUTLINE					
300 SERIES TS "G"					
2600-3200 AMPS OPEN TYPE					
MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005.					
DRAWN BY	BWM	DATE	1/6/14	ASSEM. REF. NO.	
CHECKED	BK	DATE	1/6/14	PROPERTY OF ASCO POWER TECHNOLOGIES. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.	SCALE 1:1
PROJECT APPROVAL	BK	DATE	1/6/14	COMPUTER GENERATED DRAWING	SIZE DS
FINAL APPROVAL				1001395-005	DWG. NO.
				ASCO® ASCO POWER TECHNOLOGIES, L.P.	1001395-005
				FLORHAM PARK, NEW JERSEY 07932 U.S.A.	2 OF 2