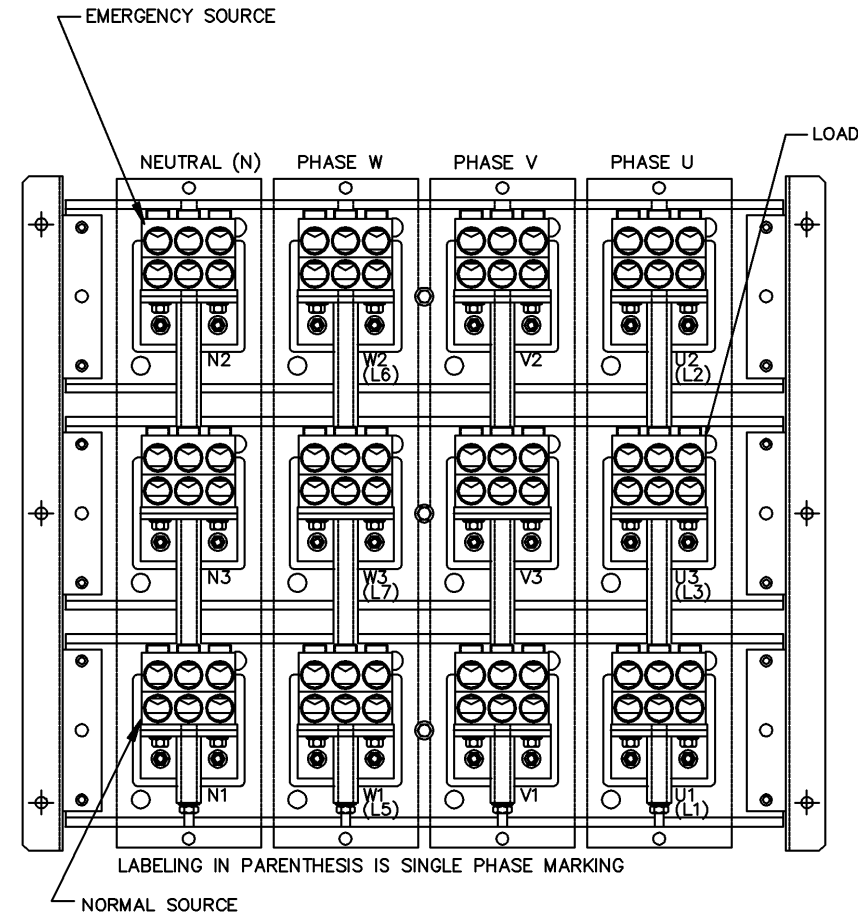
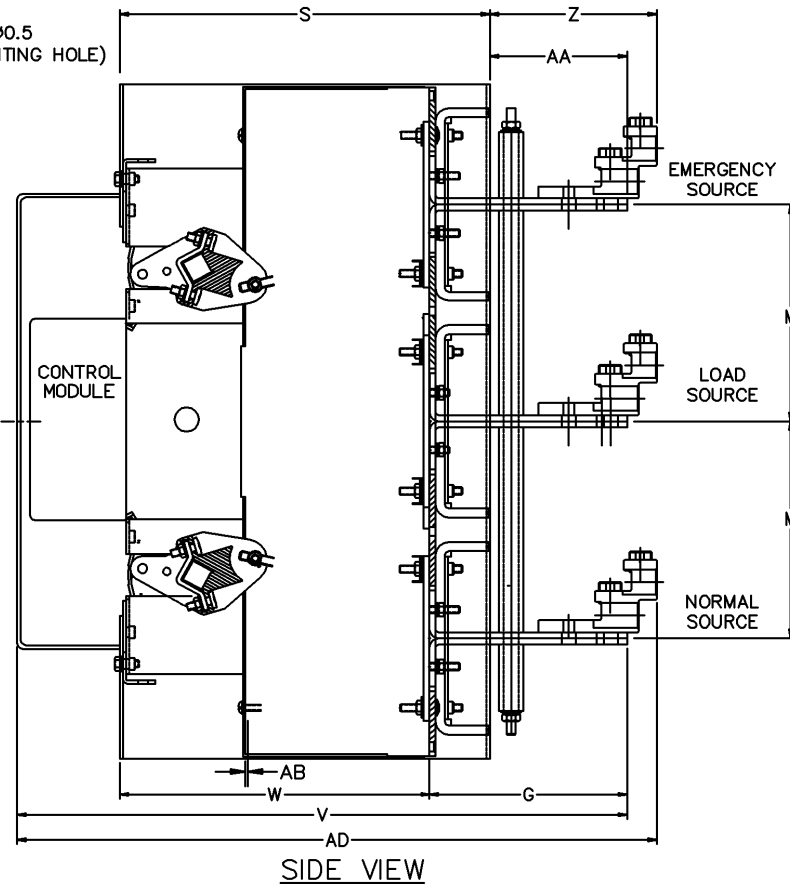
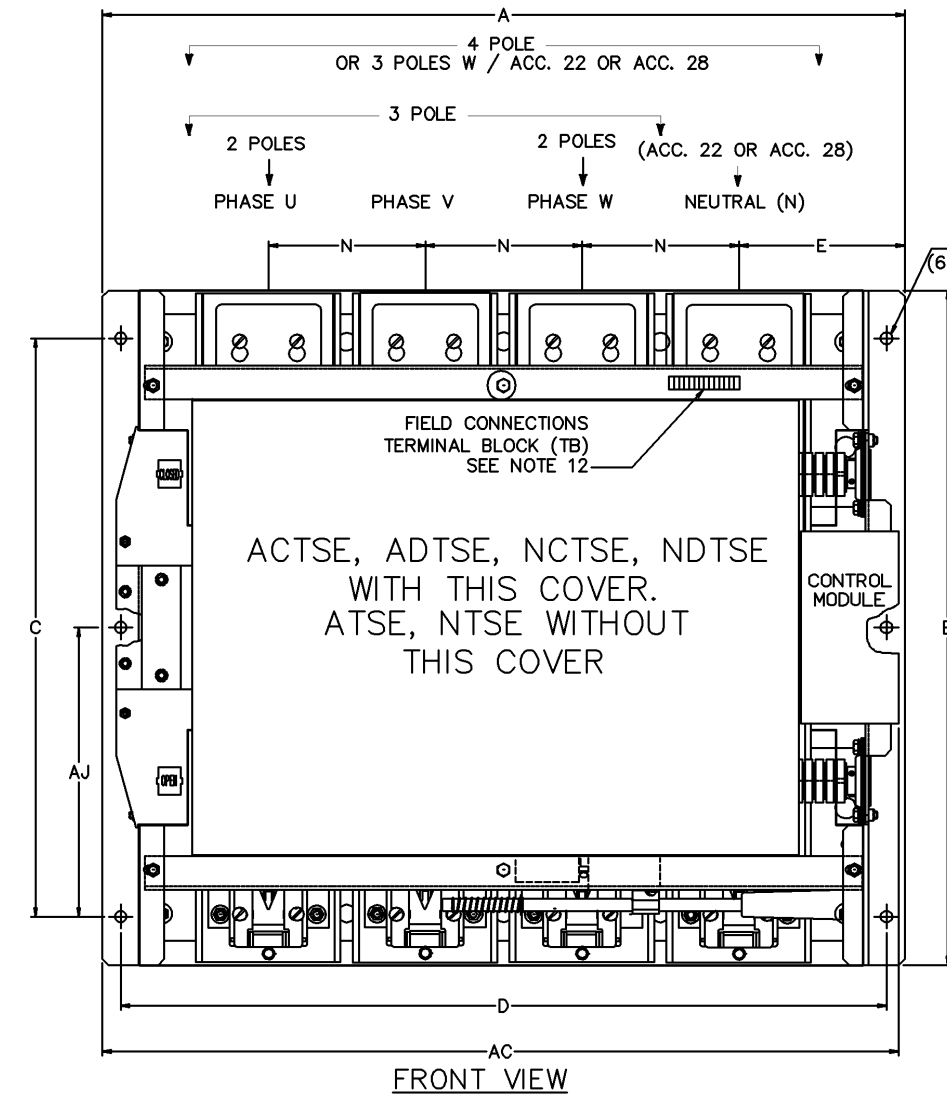


8 7 6 5 4 3 2 1

OUTLINE & MOUNTING FOR ASCO® 4000 & 7000 SERIES AUTOMATIC TRANSFER SWITCHING EQUIPMENT TYPE 7ATS, 7ACTS & 7ADTS RATED 1000-2000 AMPERES



SERIES	CATALOG PREFIX
4000	4ATSE
	4NTSE
	4ACTSE
	4NCTSE
	4ADTSE
7000	4NDTSE
	7ATSE
	7NTSE
	7ACTSE
	7NCTSE
	7ADTSE
	7NDTSE

AMP SIZE	DIMENSIONS									
	A	B	C	D	E	F	G	H	J	K
1000 & 1200	845.1 33.27	711.2 28.00	609.6 24.00	806.5 31.75	174.8 6.88	—	208.3 8.20	17.27 .68	44.45 1.75	27.69 1.09
1600 & 2000	845.1 33.27	711.2 28.00	609.6 24.00	806.5 31.75	174.8 6.88	—	208.3 8.20	17.27 .68	44.45 1.75	27.69 1.09

AMP SIZE	DIMENSIONS									
	L	M	N	P	Q	R	S	T	U	V
1000 & 1200	34.80 1.37	228.6 9.00	165.1 6.50	55.37 2.18	—	50.8 2.00	378.5 14.9	—	—	642.4 25.29
1600 & 2000	34.80 1.37	228.6 9.00	165.1 6.50	55.37 2.18	—	50.8 2.00	378.5 14.9	—	—	642.4 25.29

AMP SIZE	DIMENSIONS									
	W	X	Y	Z	AA	AB	AC	AD	AE	AF
1000 & 1200	313.9 12.36	—	—	176.5 6.95	144.5 5.69	2.85 0.112	838.2 33.00	668.0 26.30	—	—
1600 & 2000	313.9 12.36	—	—	176.5 6.95	144.5 5.69	2.85 0.112	838.2 33.00	668.0 26.30	—	—

AMP SIZE	DIMENSIONS									
	AG	AH	AJ	—	—	—	—	—	—	—
1000 & 1200	—	—	304.8 12.00	—	—	—	—	—	—	—
1600 & 2000	—	—	304.8 12.00	—	—	—	—	—	—	—

MINIMUM REQUIRED ENCLOSURE SIZE mm (INCH)

SWITCH RATING(AMPS)	HEIGHT	WIDTH	DEPTH
1000 & 2000	2286.0mm(90.00")	965.0mm (38.00")	1219.0mm (48.00")

NOTE: "2000 AMPS" NEEDS VENTILATION TOP AND BOTTOM.

BUS BAR PER PHASE BOLTING SURFACE	
6.4 X 101.6 mm [0.25 X 4.00 IN]	

SIZES OF UL LISTED SCREW TYPE TERMINALS	
SIZE	CABLE ACCOMMODATIONS (PER PHASE & NEUTRAL)
1000-1200	(4) 50-300 mm ² [(4) 1/0 - 750 MCM AL/CU]
1600-2000	(6) 50-300 mm ² [(6) 1/0 - 750 MCM AL/CU]

NOTE: CONSULT FACTORY FOR OTHER CABLING & TERMINATION REQUIREMENTS.

POWER CONNECTIONS		
RANGE OF AL-CU CONDUCTOR SIZES		
ISO CROSS SECTION (mm ²)		
(USE STRANDED TYPE CONDUCTORS)		

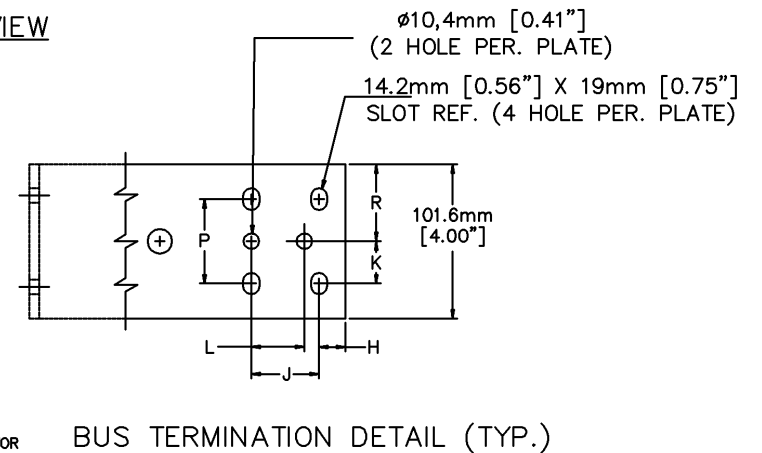
SWITCH RATING (AMPS)	CONDUCTOR SIZE RANGE	RECOMMENDED TIGHTENING TORQUE
1000-1200	FOUR 50-300	42.4 Nm
1600-2000	SIX 50-300	42.4 Nm

APPROXIMATE SHIPPING WEIGHT, KG (LBS)

AMP SIZE	POLES	WEIGHT
1000 TO 2000	2	229 (505)
	B2	252 (555)
	C2	252 (555)
	3	252 (555)
	B3	274 (605)
	C3	274 (605)

GENERAL NOTES

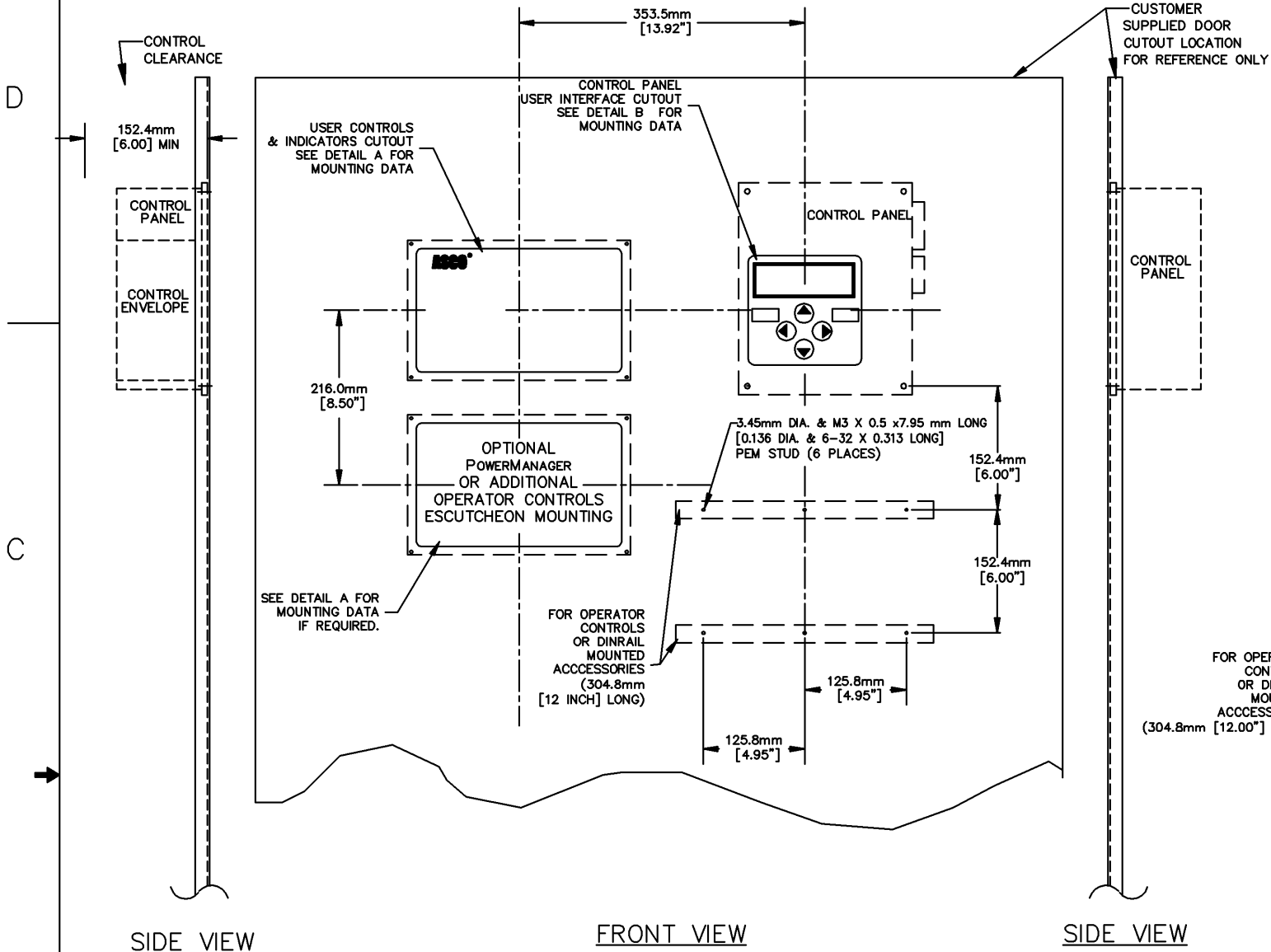
- THE STANDARD SWITCH CONFIGURATION IS FOR TOP EMERGENCY & LOAD AND BOTTOM NORMAL. OPTIONALLY, THE TRANSFER SWITCHING DEVICE MAY BE SUPPLIED WITH REVERSE SOURCES AND/OR BOTTOM LOAD. (REFER TO THE WIRING DIAGRAM FURNISHED WITH EACH TRANSFER SWITCHING DEVICE TO DETERMINE TERMINATION POSITIONS).
- NEUTRAL CONFIGURATIONS:
AN OPTIONAL 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
(C) OVERLAPPING NEUTRAL POLE (NOT AVAILABLE ON ACTSE/ADTSE UNITS)
- THE STANDARD MECHANICAL (SCREW TYPE) AL/CU TERMINAL LUGS ARE SHOWN FOR REFERENCE.
- SWITCH NEUTRAL POLE IS SHOWN FOR REFERENCE.
- WHEN INSTALLING CONDUCTORS, CONNECT TO SIMILARLY MARKED PHASES OF NORMAL, EMERGENCY & LOAD.
- ALL INTERNAL CONNECTIONS ARE MADE AT FACTORY.
- MAINTAIN ELECTRICAL CLEARANCE OF 25.4 mm (1.00") BETWEEN LIVE METAL PARTS AND GROUNDED METAL.
- WHEN MOUNTING THE TRANSFER SWITCHING DEVICE IN THE ENCLOSURE, THE CONTROL PANEL(S) AND OPERATOR CONTROLS SHOULD BE MOUNTED ON THE INSIDE, REAR SURFACE OF THE DOOR. 152.4 mm (6.00") MIN. DEPTH TO TRANSFER SWITCHING DEVICE FOR CONTROLS IS REQUIRED.
- THE CONTROL PANEL(S) IS CONNECTED TO THE TRANSFER SWITCHING DEVICE BY A HARNESS WITH A QUICK DISCONNECT PLUG(S). THE HARNESS EXITS THE TRANSFER SWITCHING DEVICE ON THE RIGHT SIDE. CONSULT FACTORY FOR EXTENSION HARNESSES.
- OPTIONAL ACCESSORY ADD-ON PANELS.
- 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.
- CUSTOMER TERMINAL BLOCKS:
FOR ALL 7000 SERIES UNITS THE TB WILL BE MOUNTED ON THE UPPER RIGHT INSIDE OF ENCLOSURE AS INDICATED ON THE NEXT PAGE.
FOR 4000 SERIES UNITS TB WILL BE MOUNTED ON THE TRANSFER SWITCHING DEVICE FRAME AS INDICATED ON THIS PAGE.



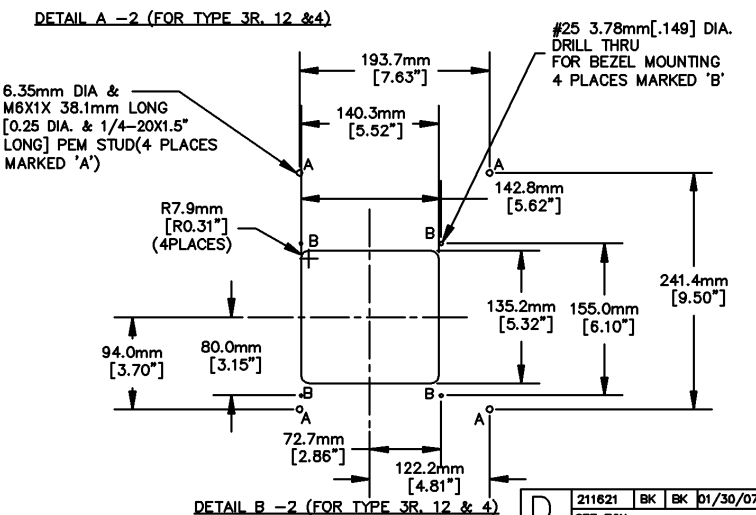
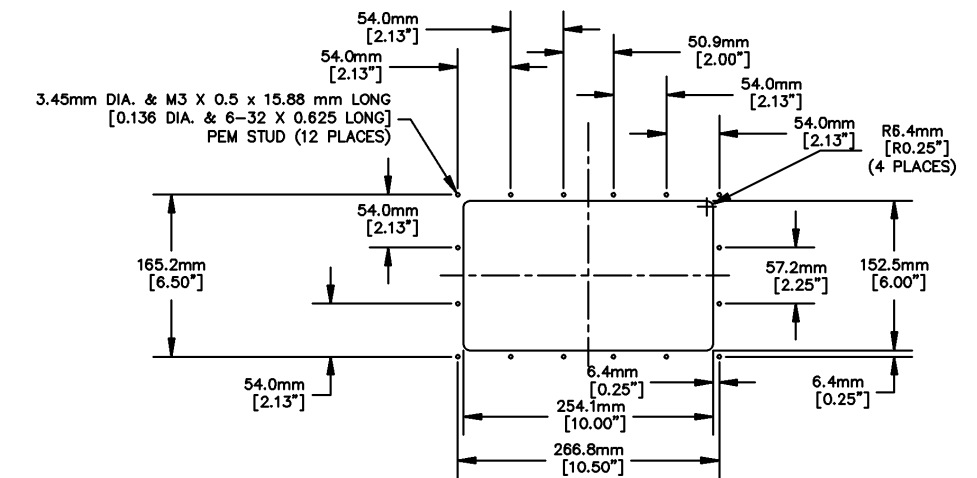
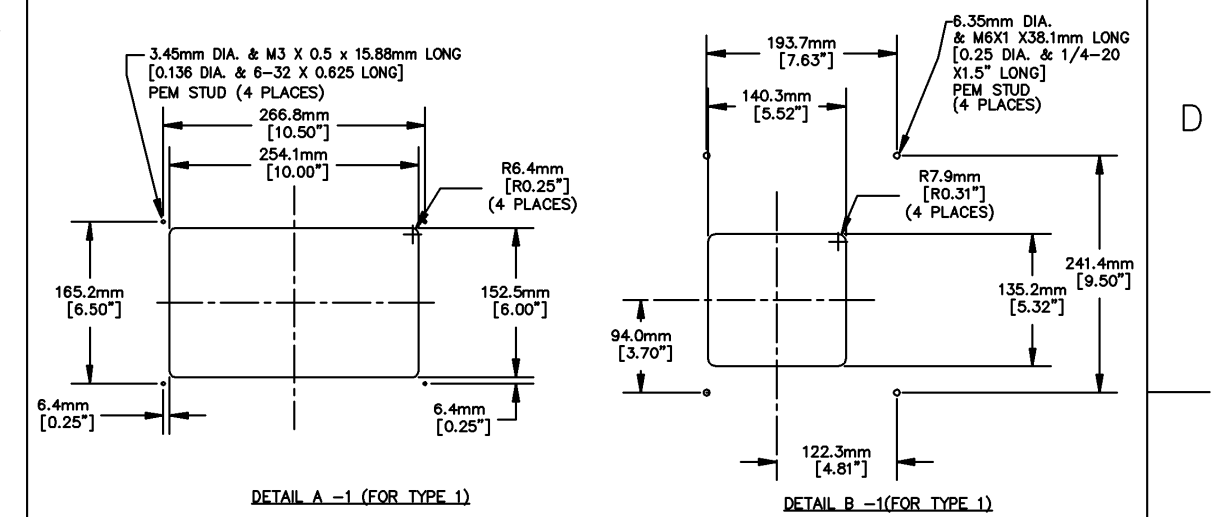
TRANSFER SWITCHING EQUIPMENT (IEC/CE) RATED UP TO 480 VAC MAX.		D 211621 BK BK 01/30/07 SEE EGN	
PROJECT NAME:		C 208330 PBP WK 04/24/06 SEE EGN	
COMPOSITE OUTLINE		B 164539 WK WK 08/07/03 SEE EGN	
4000/7000 SERIES		A 156249 TR WK 12/14/00 SEE EGN	
1000-2000 AMPS		153817 TR JPB 2/10/00 ISSUED	
THIRD ANGLE PROJECTION		CHANGE LETTER EGN NO. BY APP. DATE	
BY DATE		SUBSIDIARY DISTRIBUTION	
DWB 2/10/00		AE AN AM AJ AL	
BK 2/00		OH AV AA PS AR	
WK 2/00		AG AF AC AS	
JPB 2/00		COMPUTER GENERATED DRAWING	
MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005		SCALE 1:1 ACAD FILE	
PROPERTY OF ASCO POWER TECHNOLOGIES. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.		SIZE 10W NO.	
ASCO		DS619590-A	
ASCO POWER TECHNOLOGIES, L.P. FLORHAM PARK, NEW JERSEY 07932 U.S.A.		CHANGE LETTER EGN NO. 211621 SHEET 1 OF 2	

OUTLINE & MOUNTING FOR **ASCO** 4000/7000 SERIES AUTOMATIC TRANSFER SWITCHING EQUIPMENT TYPE 7ATS, 7ACTS & 7ADTS RATED 1000–2000 AMPERES

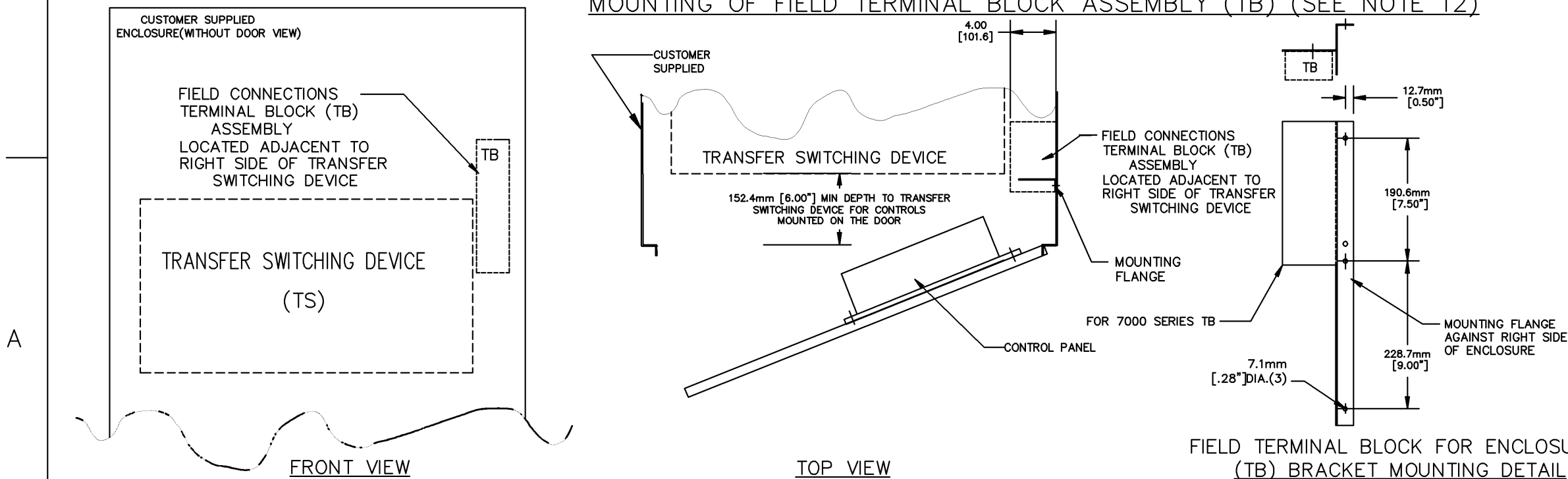
CONTROL PANEL & CONTROLS MOUNTING



CONTROL PANEL & CONTROLS MOUNTING DATA



MOUNTING OF FIELD TERMINAL BLOCK ASSEMBLY (TB) (SEE NOTE 12)



[4.81"]
DETAIL B - 2 (FOR TYPE 3R, 12 & 4)

D	211621	BK	BK	D/30/07
	SEE EGN			
C	206330	PBP	WK	D/24/06
	SEE EGN			
B	164539	WK	WK	D/8/07/03
	SEE EGN			
A	156249	TR	WK	I/2/12/00
	SEE EGN			
—	153917	TR	JPB	2/10/00
	ISSUED			

TRANSFER SWITCHING EQUIPMENT
(IEC/CE) RATED UP TO 480 VAC MAX.

PROJECT NAME:

COMPOSITE OUTLINE
4000/7000 SERIES
1000-2000 AMPS

THIRD ANGLE
PROJECTION

SUBSIDIARY DISTRIBUTION							
AE	AF	AG	AH	AI	AJ	AK	AL
☐	☐	☐	☐	☐	☐	☐	☐
☐	☐	☐	☐	☐	☐	☐	☐
☐	☐	☐	☐	☐	☐	☐	☐

	BY	DATE
DRAWN BY	DJB	2/10/00
CHECKED	BK	2/00
REVIEWING APPROVAL	WK	2/00
FINAL APPROVAL	JPB	2/00

MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASQ PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-006

ASSEM. REF. NO.

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FLORHAM PARK, NEW JERSEY 07832 U.S.A.

COMPUTER GENERATED DRAWING			
SCALE	1:1	ACAD	FILE A6
SIZE (DWG. NO.)	DS619590-A		
CHANGE D EGN	211621	SHEET 2 OF 2	