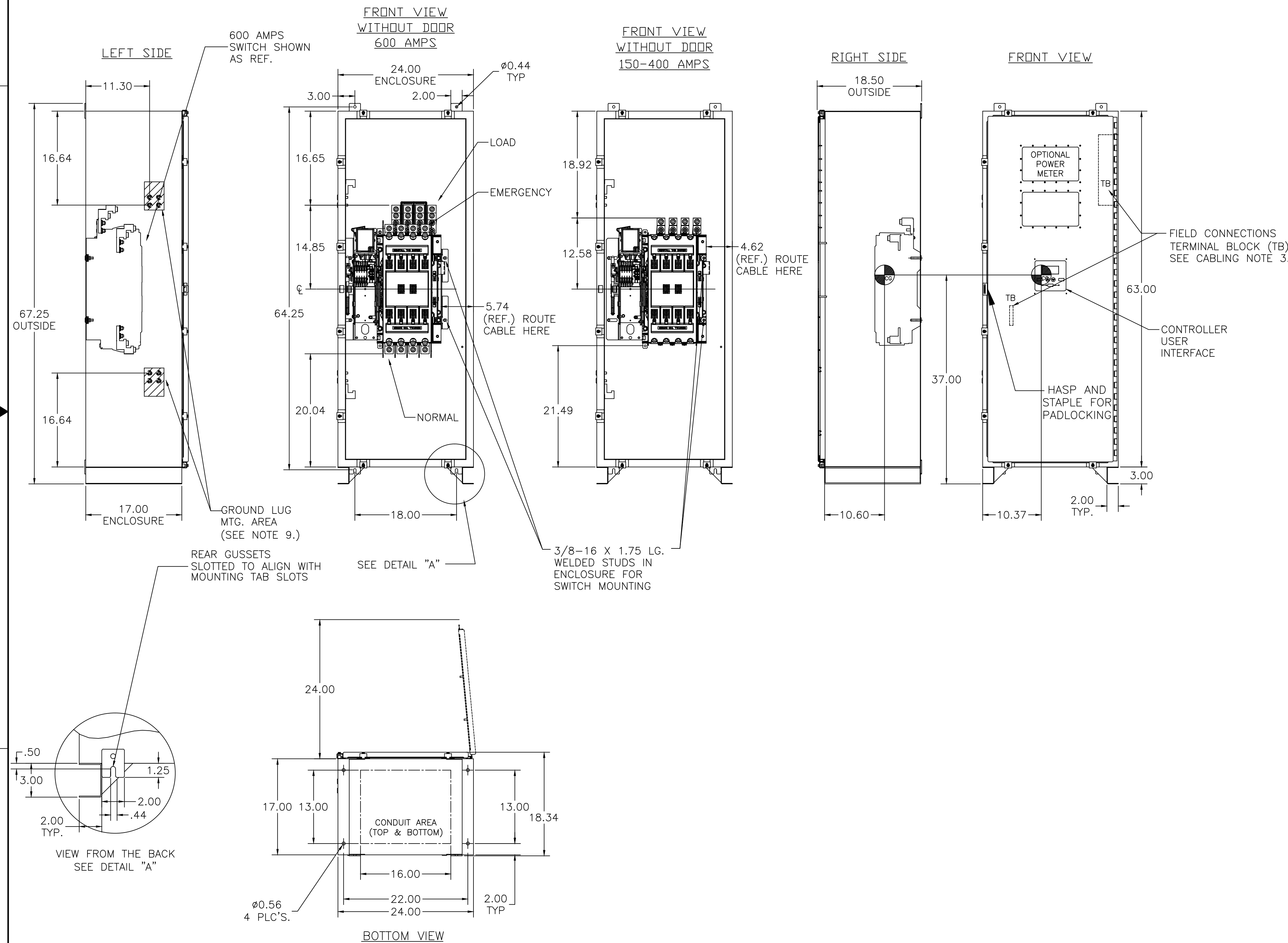


OUTLINE FOR ASCO® 300 SERIES 600 AMPERE "J" FRAME (3ATS,3NTS) & 150-600 AMPERE (3ADTS,3NDTS) FRONT CONNECTED TRANSFER SWITCHES TYPE 4/4X ENCLOSURE



GENERAL NOTES

1. UL 50, TYPE 4/4X ENCLOSURE, FREE STANDING, FLOOR OR WALL MOUNTABLE. CODE GAUGE STEEL CONSTRUCTION.
2. EXTERIOR DOOR IS SUPPLIED WITH A PADLOCKABLE HASP AND STAPLE.
3. FINISH: TYPE 4: ANSI 61 GRAY POLYESTER SEMI GLOSS ELECTROSTATIC POWDER.
TYPE 4X (U): EXTERIOR CONSTRUCTED OF CODE GAUGE TYPE 316 STAINLESS STEEL.
TYPE 4X (H): EXTERIOR CONSTRUCTED OF CODE GAUGE TYPE 304 STAINLESS STEEL.
4. RECOMMENDED CLEARANCES: FRONT: 24 INCHES
5. A 20% RATED GROUND BUS IS PROVIDED.
6. UNIT IS DESIGNED FOR COMBINATION TOP AND BOTTOM CABLE ENTRY. THE STANDARD SWITCH CONFIGURATION IS FOR TOP LUGS EMERGENCY AND LOAD AND BOTTOM LUGS NORMAL.
7. A FULL RATED NEUTRAL CONNECTION FOR EACH SOURCE AND THE LOAD IS OPTIONAL WHEN PROVIDED IT IS IN ONE OF THE FOLLOWING FORMATS AS SPECIFIED BY THE CATALOG NO. NEUTRAL TYPE;
A. SOLID (COPPER BUS) NEUTRAL
B. SWITCHED NEUTRAL POLE
8.  CENTER OF GRAVITY.
9. WHEN INSTALLING GROUND LUGS TO TYPE 4 ENCLOSURE, REMOVE HARDWARE FROM STUDS AND REMOVE MASKING PLATES TO EXPOSE UNPAINTED SURFACE.
10. CONSTRUCTION IS IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF UL 1008.

CABLING NOTES

1. ALL SIZES SUPPLIED STANDARD WITH MECHANICAL (SCREW TYPE) LUGS. (SEE AMP SIZE BELOW)
 - A. LUG MATERIAL: ALUMINUM ALLOY 6061-T6 WITH ELECTRO TIN PLATED FINISH.
 - B. SCREW MATERIAL: ALUMINUM ALLOY 6262-T9 WITH ELECTRO TIN PLATED FINISH.
 - C. UL LISTED, CSA CERTIFIED.
 - D. LUG SCREW TIGHTENING TORQUE PER UL 486B: 19 FT-LBS.
 - E. SUITABLE WIRE BENDING SPACE IS PROVIDED. (SEE AMP SIZE BELOW)
2. GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS. (SEE AMP SIZE BELOW).
3. CUSTOMER TERMINAL BLOCKS:
FOR ALL 300 SERIES 3ADTS, 3NDTS UNITS THE TB WILL BE MOUNTED ON THE UPPER RIGHT INSIDE OF ENCLOSURE. FOR 3ATS AND 3NTS UNITS TB WILL BE MOUNTED ON THE TRANSFER SWITCH FRAME AS INDICATED.

NOTES 150-400 AMP SWITCHES

1. SUPPLIED WITH STANDARD MECHANICAL (SCREW TYPE) LUGS ON THE NORMAL, EMERGENCY & LOAD BUS STABS. ONE (1) LUG PER PHASE AND NEUTRAL EACH SUITABLE FOR CONNECTION OF TWO (2) 1/0 -250MCM CU/AL CABLES OR ONE (1) #4 -600MCM CU/AL CABLE.
- A. SUITABLE WIRE BENDING SPACE IS PROVIDED FOR UP TO ONE (1) 600MCM CABLE PER TERMINAL PER NEC.
2. GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS:
- SIX (6) 1/0 -250MCM CU/AL CABLES OR THREE (3) #4 -600MCM CU/AL CABLE CONNECTIONS.

NOTES 600 AMP SWITCHES

1. SUPPLIED WITH STANDARD MECHANICAL (SCREW TYPE) LUGS ON THE NORMAL, EMERGENCY & LOAD BUS STABS. ONE (1) LUG PER PHASE AND NEUTRAL EACH SUITABLE FOR CONNECTION OF TWO (2) #2 -600MCM CU/AL CABLES.
 - A. SUITABLE WIRE BENDING SPACE IS PROVIDED FOR UP TO TWO (2) 600MCM CABLE PER TERMINAL PER NEG.
2. GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS;
 - SIX (6) #2 -600MCM CU/AL CABLE CONNECTIONS.

ATS/NTS SWITCH RATING (AMPS)	POLES	WEIGHTS LB (KG)
600	2	239 (108)
600	3	246 (112)
600	4	253 (115)

ADTS/NDTS SWITCH RATING (AMPS)	POLES	WEIGHTS LB (KG)
150-400	2	250 (113)
150-400	3	256 (116)
150-400	4	262 (119)
600	2	255 (116)
600	3	262 (119)
600	4	269 (122)

D	266839	TR	BK	5/2/17
	ISSUE			
C	262130	AAP	RN	07/15/16
	SEE ECN			
B	249736	TR	WK	7/25/14
	SEE ECN			
A	246402	BWM	BWM	1/22/14
	SEE ECN			
—	246108	BWM	BK	1/3/14
	ISSUED			

PROJECT NAME:				REV. TO SHEET		ISSUED		ECN NO.		BY		APP.		DATE			
OUTLINE				MOUNTING													
JATS & J3NTS 600A, J3ADTS & J3NDTS 150-600A, 300 SERIES																	
TYPE 4/4X 66 X 24 X 17																	
BY		DATE		MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-I-003. FOR PLASTIC PARTS SEE MP-I-055				ASSEM. REF. NO.				COMPUTER GENERATED DRAWING					
DRAWN BY		BWM		1/3/14						SCALE 3/32" = 1" SIZE DS							
CHECKED		BK		1/3/14		PROPERTY OF ASCO POWER TECHNOLOGIES, USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.				DWG. NO. 1001393-003							
PROJECT APPROVAL		BK		1/3/14						DRAWING D				SCN 266839 SHEET 1 OF 1			
FINAL APPROVAL						 ASCO POWER TECHNOLOGIES, L.P. FLORHAM PARK, NEW JERSEY 07932 U.S.A.											