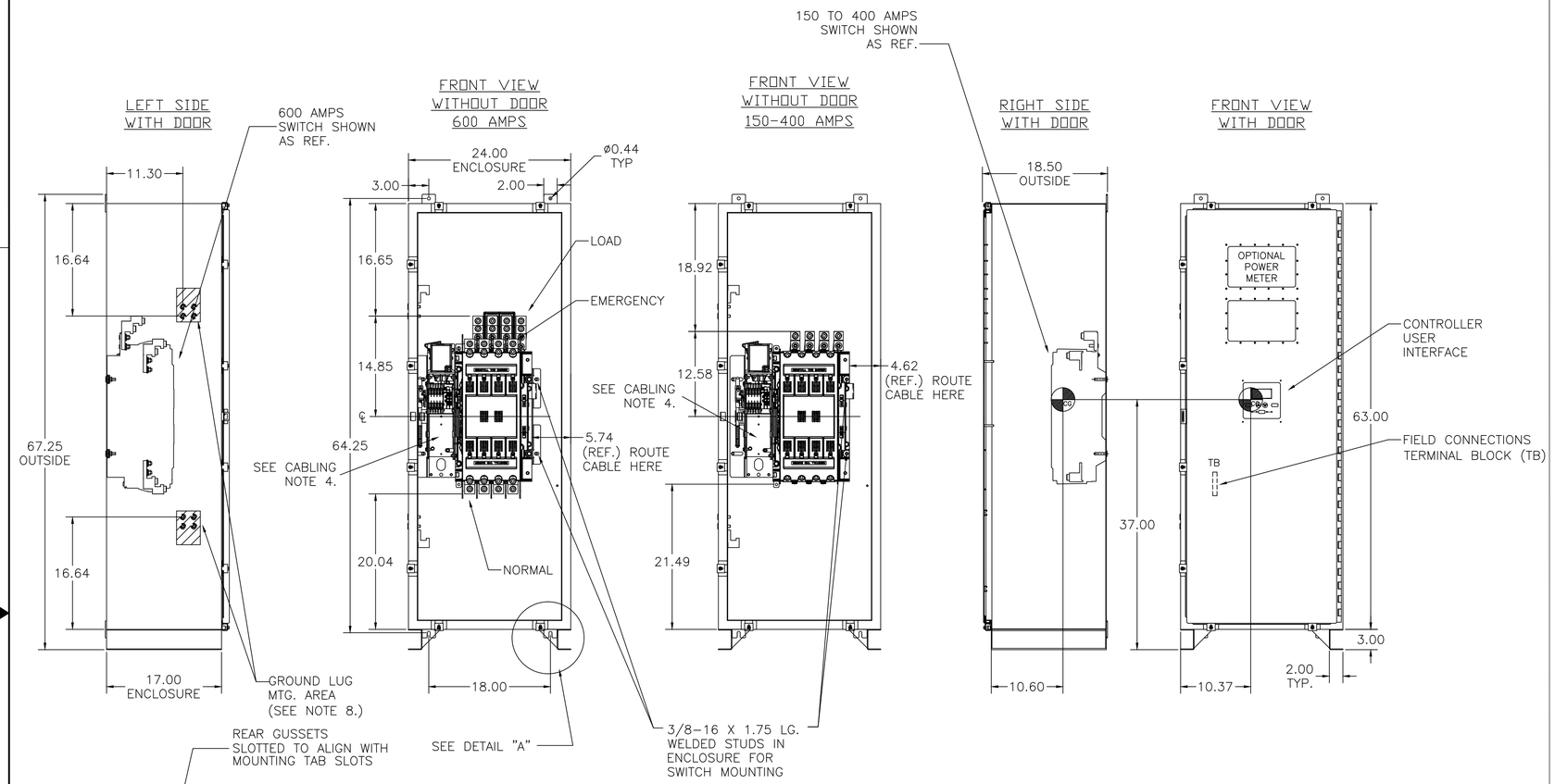
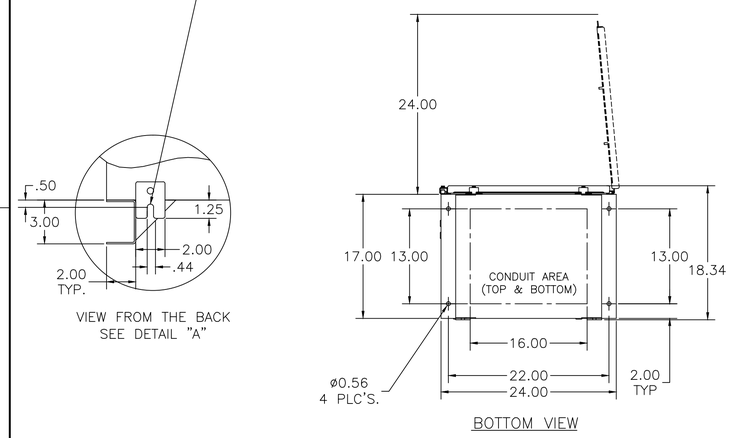
OUTLINE FOR ASCO® 300 SERIES 150-600 AMPERE "J" FRAME (3ATS,3NTS,3ADTS,3NDTS) FRONT CONNECTED TRANSFER SWITCHES TYPE 3R/12 ENCLOSURE





GENERAL NOTES

1. TYPE 4/4X ENCLOSURE. FREE STANDING. FLOOR OR WALL MOUNTABLE. 14 GAUGE CONSTRUCTION.
2. FINISH: TYPE 4: ANSI 61 GRAY POLYESTER SEMI GLOSS ELECTROSTATIC POWDER. OTHER ANSI COLORS AVAILABLE CONSULT FACTORY. UL RECOGNIZED. FINISH TYPE 4X: ENCLOSURE BODY AND DOOR – SMOOTH BRUSHED #3.
3. RECOMMENDED CLEARANCES: FRONT: 24 INCHES
4. A 20% RATED GROUND BUS IS PROVIDED.
5. 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.
6. 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
7. CG CENTER OF GRAVITY.
8. WHEN INSTALLING GROUND LUGS TO TYPE 4 ENCLOSURE, REMOVE HARDWARE FROM STUDS AND REMOVE MASKING PLATES TO EXPOSE UNPAINTED SURFACE.

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. CONSULT FACTORY FOR OTHER TERMINATION REQUIREMENTS.
3. GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS. (SEE AMP SIZE BELOW)
4. CUSTOMER TERMINAL BLOCKS: THE 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 NEC.
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)
260-400	2	234 (106)
260-400	3	240 (109)
260-400	4	246 (112)
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)

REV. TO SHEET	ECN NO.	BY	APP.	DATE
—	246108	BWM	BK	1/3/14
	ISSUED			

PROJECT NAME:

COMPOSITE | OUTLINE

300 SERIES TS "J"

150–600 AMP TYPE 4/4X

THIRD ANGLE PROJECTION

	BY	DATE
DRAWN BY	BWM	1/3/14
CHECKED	BK	1/3/14
PROJECT APPROVAL	BK	1/3/14
FINAL APPROVAL		

MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-055

ASSEM. REF. NO.

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COMPUTER GENERATED DRAWING

SCALE NONE | SIZE DS

DWG. NO. 1001393–003

DRAWING REV. – | ECN NO. 246108 | SHEET 1 OF 1

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

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