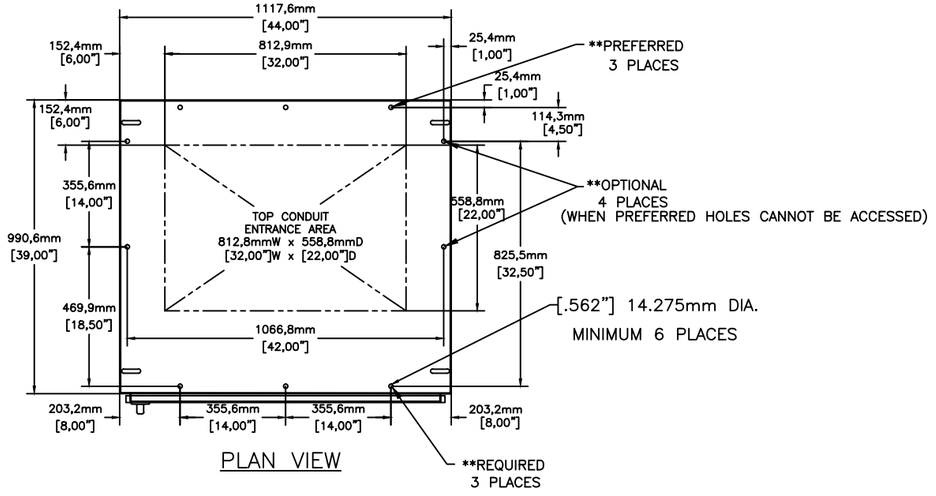
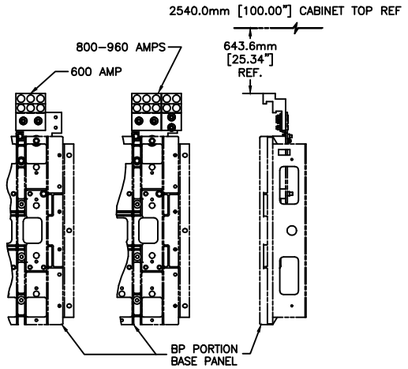


PLAN VIEW



800-960 AMPS UTILIZE ONE (6) BARREL AND ONE (4) BARREL 300mm² [750 MCM] MECHANICAL LUGS. THE 600 AMP UTILIZES JUST ONE (6) BARREL 300mm² [750 MCM] MECHANICAL LUG.

DETAIL "A"

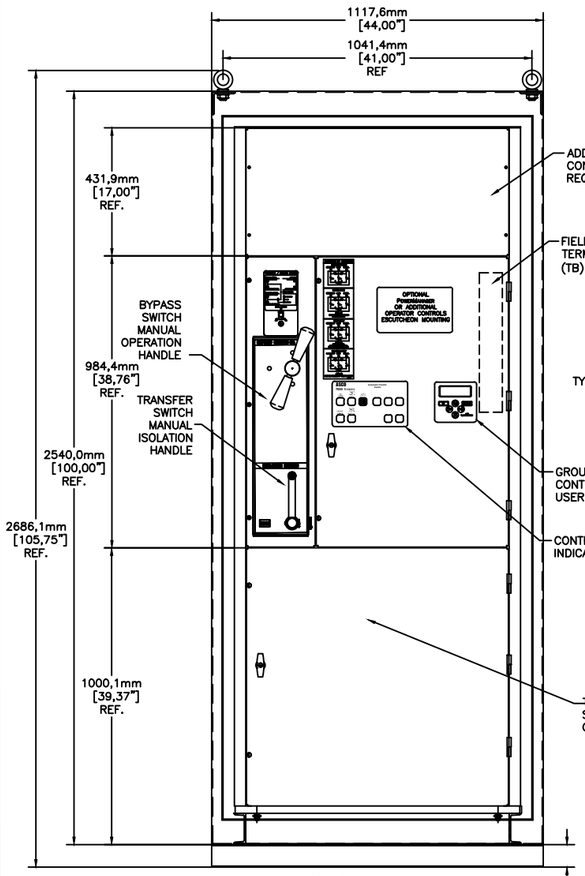
SOLID NEUTRAL

GENERAL NOTES

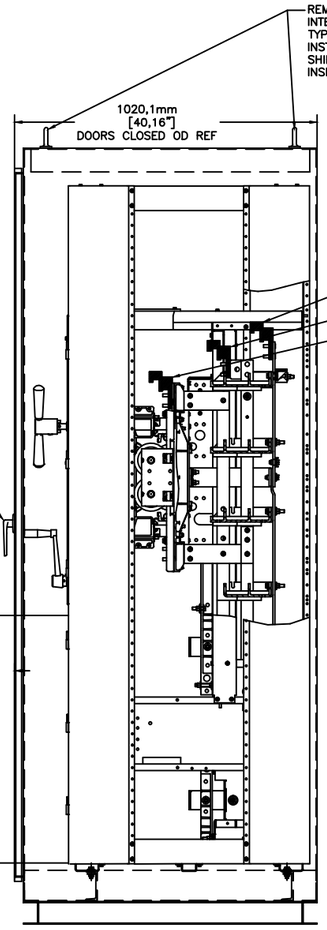
1. TYPE 12 ENCLOSURE. FREE STANDING. FLOOR MOUNTED.
2. MATERIAL: 10 GAUGE STEEL. TYPE 12 – CARBON STEEL.
3. FINISH: ANSI 61 GRAY, POLYESTER POWDER STANDARD. OTHER ANSI COLORS AVAILABLE CONSULT FACTORY, UL RECOGNIZED.
4. SEALED SEAM WELDED CONSTRUCTION IS IN ACCORDANCE WITH UL 1008.
5. KEY LOCKING LATCHING HANDLES ON TYPE 12:
   ISOLATION HANDLE: THE TRANSFER SWITCHING DEVICE ISOLATION HANDLE MAY BE PADLOCKED WITH THE TRANSFER SWITCHING DEVICE IN THE FULLY ISOLATED (DISCONNECTED POSITION).
6. A 20% RATED GROUND BUS IS PROVIDED AT THE UPPER LEFT OF THE CABLE COMPARTMENT.
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:
   TYPE A: SOLID NEUTRAL BUS (SEE DETAIL "A").
   TYPE B: SWITCHED NEUTRAL POLE
   TYPE C: OVERLAPPING NEUTRAL POLE (NOT AVAILABLE ON 7ADTB & 7ACTB UNITS)
8. APPROXIMZTE WEIGHT: 839.2K.g [1850 LBS].
9. STANDARD OUTLINE FOR A FOUR POLE TRANSFER WITH BYPASS/ISOLATION SWITCH.
   SHOWN WITH LUG CONFIGURATION FOR FOUR POLE, OR THREE POLE WITH OVERLAPPING NEUTRAL.
   SEE DETAIL "A" FOR LUG CONFIGURATION OF SOLID NEUTRAL.
10. RECOMMENDED CLEARANCES:
    FRONT: 44 INCHES
11. DESIGNED FOR FRONT ACCESS ONLY.

CABLING NOTES

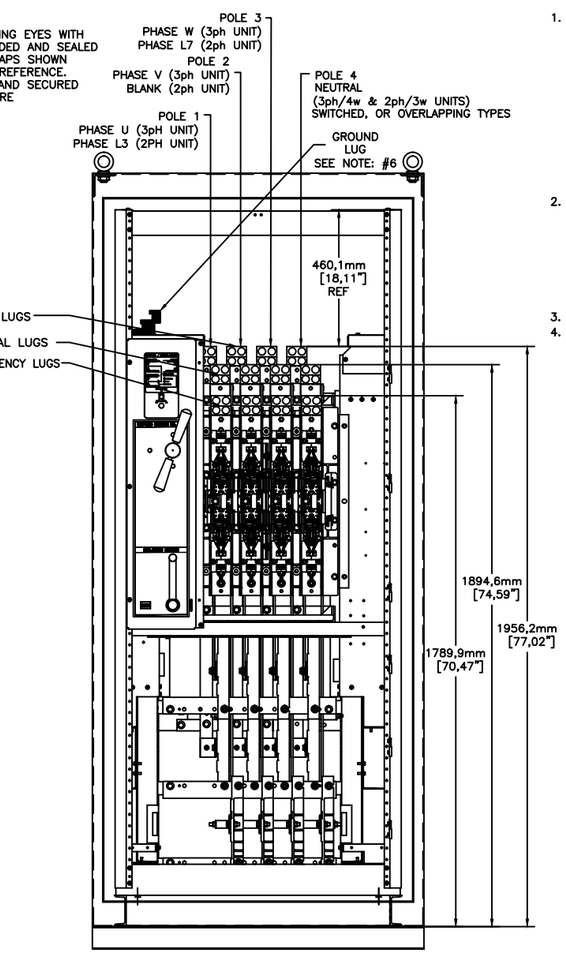
1. ALL SIZES SUPPLIED STANDARD WITH MECHANICAL (SCREW TYPE) LUGS ON THE NORMAL, EMERGENCY & LOAD. ONE (1) LUG PER PHASE AND NEUTRAL EACH SUITABLE FOR CONNECTION OF TWO (2) 35–300mm² [#2–600 MCM] CU/AL CABLE FOR 600 AMP SWITCH AND {4 POLE (B3) 400 AMP}. FOUR (4) 50–300mm² [1/0–750 MCM] CU/AL CABLE FOR 800–960 AMP SWITCHING DEVICE.
   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 : 92,4Nm [375 IN–LBS].
   E. SUITABLE WIRE BENDING SPACE IS PROVIDED FOR UP TO TWO (2) 300mm [600MCM] CABLES PER TERMINAL FOR THE 600 AMP SWITCH & THREE (3) 300mm² [600 MCM]CABLES PER TERMINAL FOR THE 800–960 AMP
2. OPTIONAL COPPER CRIMP LUGS MAY BE SUPPLIED. UP TO THREE (3) TWO HOLE, LONG BARREL CU CRIMP LUGS RATED FOR UP TO 300mm² [750MCM]. (REFER TO CRIMP LUG INSTALLATION DATA PROVIDED WITH UNIT FOR FULL INSTALLATION DETAILS).
   A. LUG MATERIAL: HIGH CONDUCTIVITY WROUGHT COPPER FINISH, ELECTRO TIN PLATED.
   B. LUG MOUNTING HARDWARE TIGHTENING TORQUE: (REFER TO WITHSTAND CURRENT RATING LABEL PROVIDED ON EACH TRANSFER SWITCHING DEVICE).
   C. SUITABLE WIRE BENDING SPACE IS PROVIDED FOR UP TO THREE (3) 300mm [750MCM] CABLES PER TERMINAL.
3. MECHANICAL GROUNDING LUG FOR UP TO (6) 50–300mm [1/0–750 MCM] CU/AL CABLES IS PROVIDED AS STANDARD.
4. FRONT CONNECTED TOP SERVICE CABLE ENTRY CONFIGURATION IS STANDARD. CONSULT FACTORY FOR OTHER TERMINATION REQUIREMENTS.



FRONT VIEW
(EXTERIOR DOOR REMOVED)



RIGHT SIDE VIEW



FRONT VIEW
(SWITCH, DOORS, AND TOP COVER REMOVED)

POWER CONNECTIONS		
RANGE OF Al-Cu CONDUCTOR SIZES ISO CROSS SECTION (mm²) (USE STRANDED TYPE CONDUCTORS)		
SWITCH RATING (AMPS)	CONDUCTOR SIZE RANGE	RECOMMENDED TIGHTENING TORQUE
600	TWO 35-300	42.4 Nm
800-960	FOUR 50-300	42.4 Nm

FOUR 50-300mm² XL PE CONDUCTOR COMPACT

REV. TO SHEET	ECN NO.	BY	APP.	DATE
D	237858	RBR	RN	07/04/12
	SEE ECN			
C	227526	TR	WK	5/24/10
	SEE ECN			
B	218033	TR	WK	04/18/08
	SEE ECN			
A	215818	TR	WK	11/2/07
	SEE ECN			
—	206691	TR	WK	11/21/05
	ISSUE			

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

PROJECT NAME:

OUTLINE | MOUNTING

HATB, 600A–960A, FRONT CONNECTED
TYPE 12, 103 X 44 X 39

THIRD ANGLE PROJECTION

	BY	DATE
DRAWN BY	DJB	11/21/05
CHECKED	BK	11/21/05
PRODUCT APPROVAL	WK	11/21/05
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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ASCO® ASCO POWER TECHNOLOGIES, L.P. FLORHAM PARK, NEW JERSEY 07932 U.S.A.

COMPUTER GENERATED DRAWING

SCALE 1:1 | SIZE DS

DWG. NO. 749416-002-A

DRAWING REV. D | ECN NO. 237858 | SHEET 1 OF 1