

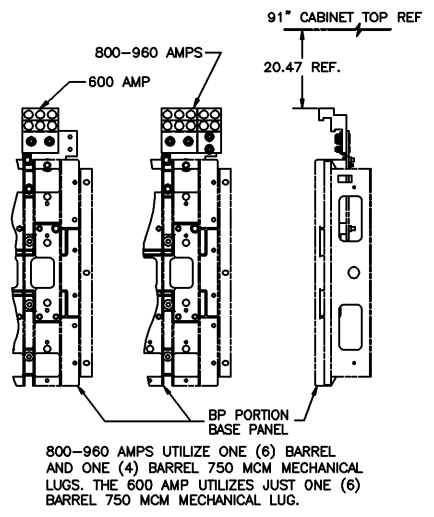
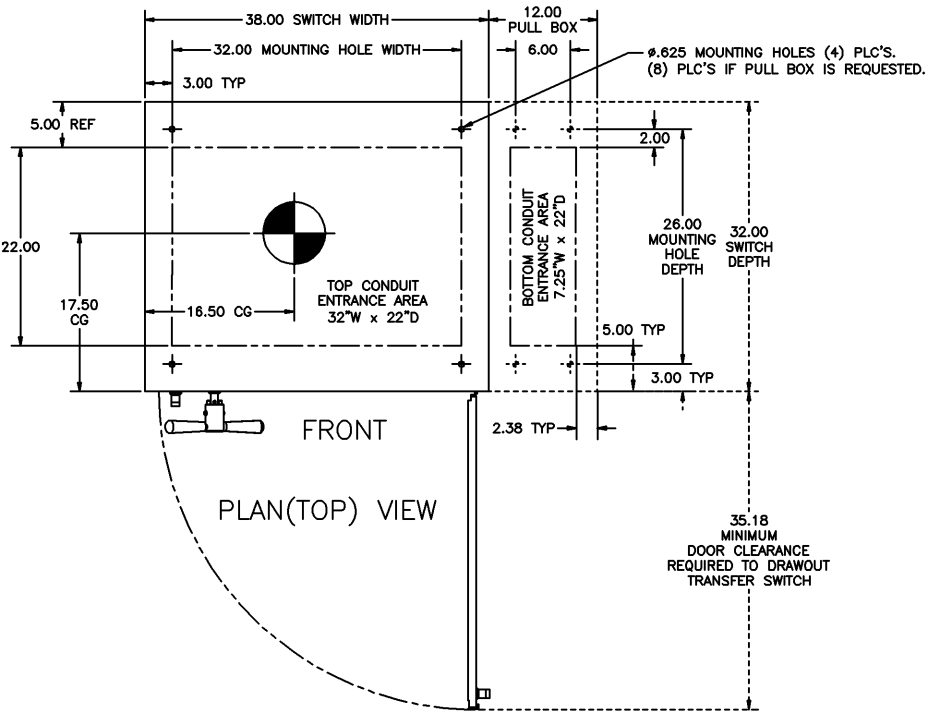
OUTLINE & MOUNTING FOR ASCO 7000 SERIES FRONT CONNECTED AUTOMATIC TRANSFER & BYPASS-ISOLATION SWITCHES TYPES H7ATB, H7ACTB & H7ADTB RATED 600-960 AMPS

GENERAL NOTES

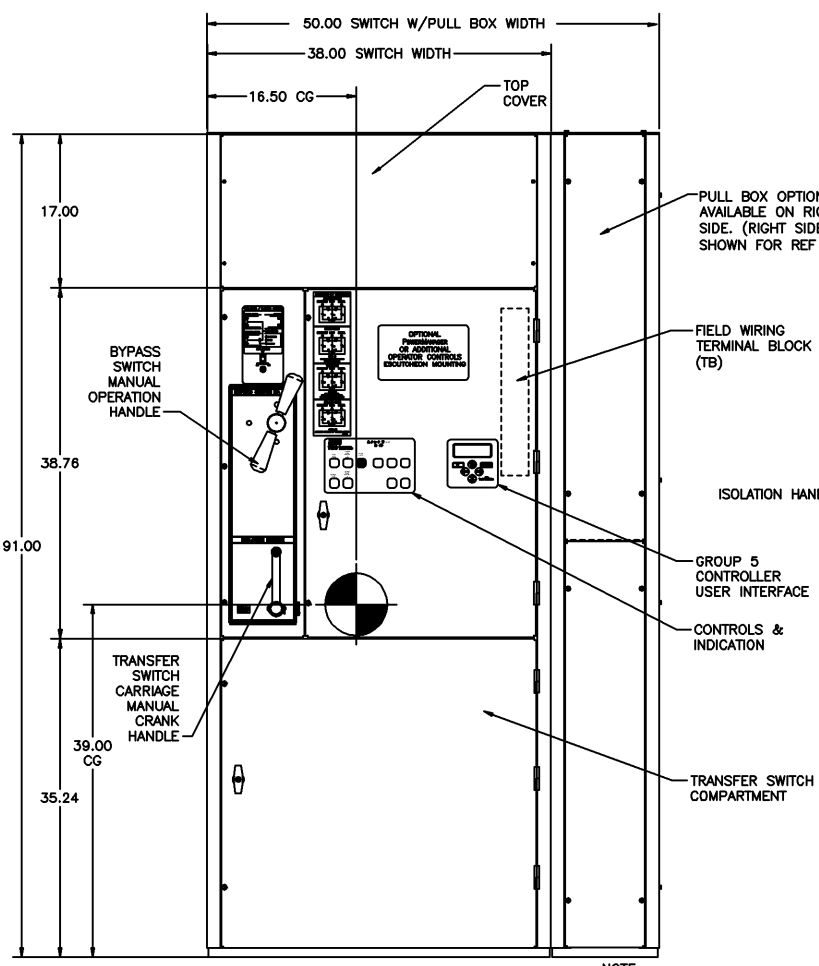
- TYPE 1 ENCLOSURE. FREE STANDING. FLOOR MOUNTED. 12 GAUGE FORMED FRAME CONSTRUCTION.
- NEC STANDARD GAUGE PAN TYPE DOORS WITH LOCKABLE HANDLES AND REMOVABLE COVERS.
- FINISH: ASA 61 GRAY, POLYESTER POWDER. UL RECOGNIZED.
- CONSTRUCTION IS IN ACCORDANCE WITH UL 1008.
- PADLOCKING PROVISIONS ARE INCLUDED:
ISOLATION HANDLE: THE TRANSFER SWITCH ISOLATION HANDLE MAY BE PADLOCKED WITH THE TRANSFER SWITCH IN THE FULLY ISOLATED (DISCONNECTED POSITION).
- UNIT CAN BE ADAPTED FOR CONNECTION OF BUS DUCT FLANGES. (CONSULT FACTORY)
- RECOMMENDED FRONT CLEARANCE: 36 INCHES MINIMUM.
- A 20% RATED GROUND BUS IS PROVIDED.
- 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
TYPE B: SWITCHED NEUTRAL POLE
TYPE C: OVERLAPPING NEUTRAL POLE (NOT AVAILABLE ON 7ADTB & 7ACTB UNITS)
- APPROXIMATE WEIGHT: 1400 LBS.
- 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.
- IF A PULL BOX IS PROVIDED THE RIGHT OR LEFT SIDE SKINS ARE REMOVED FROM SWITCH ENCLOSURE AND (4) MOUNTING BLOCKS P/N 757047 ARE USED TO CONNECT THE TWO SECTIONS TOGETHER. REFER TO DRAWING 549379 FOR PULL BOX DETAILS. PULL BOX AND SWITCH ENCLOSURE CAN BE SHIPPED AS ONE UNIT OR PULL BOX CAN BE SUPPLIED INDEPENDENTLY. (PULL BOX MOUNTING SHOWN ON RIGHT SIDE FOR REFERENCE ONLY)
- STANDARD OUTLINE FOR 4 POLE (B3) 400 AMP 7ADTB.
- THE STANDARD EMERGENCY, NORMAL CONFIGURATION IS SHOWN.
OPTIONALLY, THE SWITCH MAY BE SUPPLIED WITH REVERSE SOURCES.
(REFER TO THE WIRING DIAGRAM FURNISHED WITH EACH TRANSFER SWITCH TO DETERMINE TERMINATION POSITIONS).

CABLING NOTES

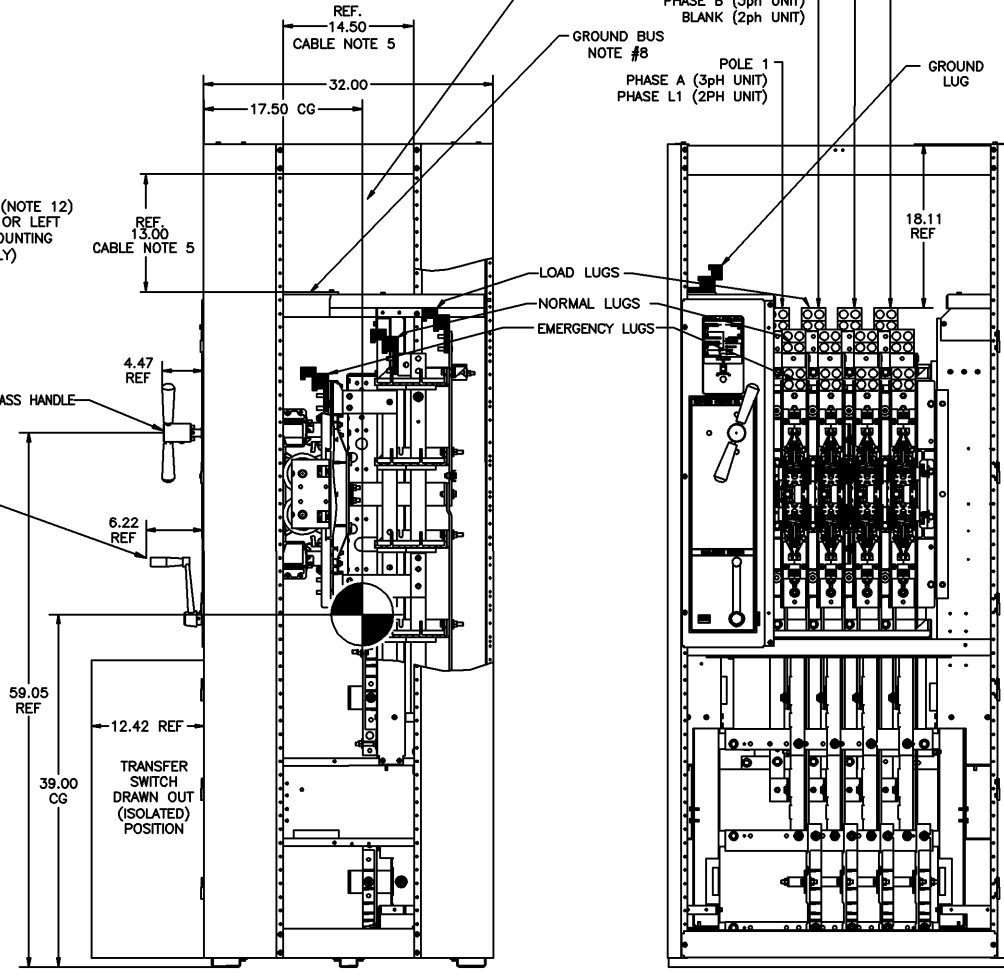
- ALL SIZES SUPPLIED STANDARD WITH MECHANICAL (SCREW TYPE) LUGS ON THE NORMAL, EMERGENCY & LOAD. ONE (1) LUG PER PHASE AND NEUTRAL EACH SUITABLE FOR CONNECTION OF:
TWO (2) #2-600 MCM CU/AL CABLE FOR 600 AMP SWITCH.
THREE (3) 1/0-600 MCM CU/AL CABLE FOR 800-960 AMP SWITCH.
A. LUG MATERIAL: ALUMINUM ALLOY 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: 375 IN-LBS.
E. SUITABLE WIRE BENDING SPACE IS PROVIDED FOR UP TO TWO (2) 600MCM CABLES PER TERMINAL FOR THE 600 AMP SWITCH & THREE (3) 600 MCM CABLES PER TERMINAL FOR THE 800-960 AMP SWITCH.
- OPTIONAL COPPER CRIMP LUGS MAY BE SUPPLIED. UP TO THREE (3) TWO HOLE, LONG BARREL CU CRIMP LUGS RATED FOR UP TO 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. UL LISTED, CSA CERTIFIED.
C. LUG MOUNTING HARDWARE TIGHTENING TORQUE: (REFER TO WITHSTAND CURRENT RATING LABEL PROVIDED ON EACH TRANSFER SWITCH).
D. SUITABLE WIRE BENDING SPACE IS PROVIDED FOR UP TO THREE (3) 750MCM CABLES PER TERMINAL.
- MECHANICAL GROUNDING LUG FOR UP TO (6) 750MCM - 1/0 CU/AL CABLES IS PROVIDED AS STANDARD. FRONT CONNECTED TOP SERVICE CABLE ENTRY CONFIGURATION IS STANDARD. CONSULT FACTORY FOR OTHER TERMINATION REQUIREMENTS.
- CABLE ENTRANCE AREA 13.00" HIGH X 14.50" WIDE WHEN USING OPTIONAL BOTTOM SERVICE ENTRANCE PULL BOX.



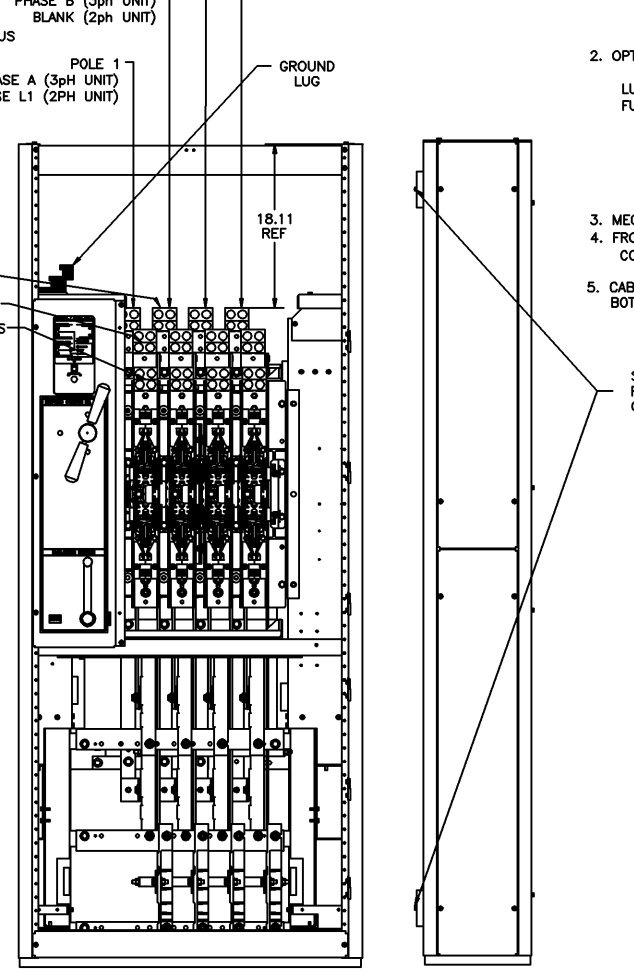
DETAIL "A" SOLID NEUTRAL
800-960 AMPS UTILIZE ONE (6) BARREL AND ONE (4) BARREL 750 MCM MECHANICAL LUGS. THE 600 AMP UTILIZES JUST ONE (6) BARREL 750 MCM MECHANICAL LUG.



FRONT VIEW (DOORS AND TOP COVER INSTALLED)



RIGHT SIDE VIEW (COVERS REMOVED AND SECTIONED FOR CLARITY)



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

NOTE: TRANSFER SWITCH CAN BE IN FULLY ISOLATED (DISCONNECTED) POSITION WITH DOOR CLOSED.

SEE NOTE #12 FOR PULL BOX OPTION.

F	235627	NS	BK	02/10/12
	SEE ECH			
E	218032	TR	WK	04/18/08
	SEE ECH			
D	215830	TR	BK	11/06/07
	SEE ECH			
C	211078	BK	BK	11/29/06
	SEE ECH			
B	167016	AJM	WK	05/12/04
	SEE ECH			
A	166773	TR	WK	04/12/04
	SEE ECH			
-	165459	SAB	RKJ	11/25/03
	NEW ISSUE			

PROJECT NAME: XD 1024 H SERIES		REV. TO SHEET	EDN NO.	BY	APP.	DATE
OUTLINE & MOUNTING		THIRD ANGLE PROJECTION				
600-960 AMP TYPE 1 TB/CTB/DTB FRONT CONNECT BYPASS						
BY	DATE	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005		ASSEMB. REF. NO.		COMPUTER GENERATED DRAWING
DRAWN BY	SAB	11/24/03				SCALE: 1:1 SIZE: DS
CHECKED	BK	11/24/03	PROPERTY OF ASCO POWER TECHNOLOGIES. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.			DWG. NO. 748664
APPROVED	RKJ	11/25/03	ASCO POWER TECHNOLOGIES, LP.			REV. 235627
FINAL APPROVAL			FLORHAM PARK, NEW JERSEY 07932 U.S.A.			SHEET 1 OF 1