

OUTLINE & MOUNTING FOR 7000 SERIES AUTOMATIC TRANSFER & BYPASS-ISOLATION SWITCHING EQUIPMENT TYPES 7ATB, 7ACTB & 7ADTB RATED 1000-2000 AMPERES

BUS LOCATION CHART			
	DIM.	1000/1200 A	1600/2000 A
EMER & NORM BUS TO BACK CORNER POST	"A"	515.6mm(20.30")	528.3mm(20.80")
LOAD BUS TO BACK CORNER POST	"C"	482.6mm(19.00")	476.3mm(18.75")
EMER & NORM LUG TO BACK CORNER POST	"B"	464.8mm(18.30")	464.8mm(18.30")
LOAD LUG TO BACK CORNER POST	"D"	419.1mm(16.50")	412.8mm(16.25")

GENERAL NOTES

1. TYPE 1 ENCLOSURE. FREE STANDING. FLOOR MOUNTED. CODE GAUGE STEEL.
2. NEC STANDARD GAUGE PAN TYPE DOORS WITH LOOKABLE HANDLES AND REMOVABLE COVERS.
3. FINISH: ANSI #1 GRAY. POLYESTER POWDER STANDARD. OTHER ANSI COLORS AVAILABLE CONSULT FACTORY, UL RECOGNIZED.
4. CONSTRUCTION IS IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF IEC 60529 IP20, UL LISTED, TYPE 1.
5. PADLOCKING PROVISIONS ARE INCLUDED:
ISOLATION CRANK: THE TRANSFER SWITCHING DEVICE ISOLATION CRANK MAY BE PADLOCKED WITH THE TRANSFER SWITCHING DEVICE IN THE FULLY ISOLATED (DISCONNECTED) POSITION.
6. UNIT CAN BE ADAPTED FOR CONNECTION OF BUS DUCT FLANGES. (CONSULT FACTORY)
7. RECOMMENDED CLEARANCES:
FRONT: 1220.0 mm (48.00")
REAR: 914.0 mm (36.00")
8. A 20% RATED GROUND BUS IS PROVIDED AT THE BOTTOM REAR OF THE CABLE COMPARTMENT.
9. 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 NEUTRAL BUS
B. SWITCHED NEUTRAL POLE
C. OVERLAPPING NEUTRAL POLE (NOT AVAILABLE ON 7ADTB UNITS)
D. CENTER OF GRAVITY

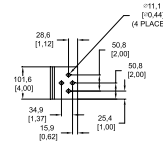
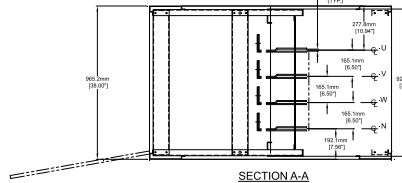
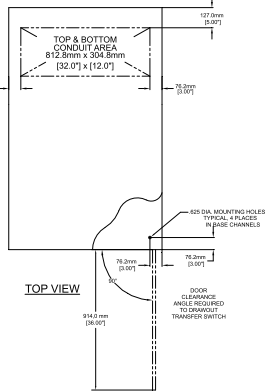
11. THE STANDARD SWITCHING DEVICE CONFIGURATION IS FOR TOP EMERGENCY, CENTER LOAD, AND BOTTOM NORMAL. OPTIONALLY, THE SWITCHING DEVICE MAY BE SUPPLIED WITH REVERSE SOURCES. (REFER TO THE WIRING DIAGRAM FURNISHED WITH EACH TRANSFER SWITCHING DEVICE TO DETERMINE TERMINATION POSITIONS).

NOTES 1000-1200 AMPS

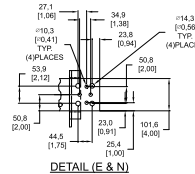
- A1. SUPPLIED WITH STANDARD MECHANICAL (SCREW TYPE) TERMINALS ON THE NORMAL, EMERGENCY & LOAD BUS STABS. ONE (1) TERMINAL PER PHASE AND NEUTRAL EACH SUITABLE FOR CONNECTION OF FOUR (4) 50-380mm² [110 - 750MCM] CUAL CONDUCTOR (SEE NOTE "E" BELOW).
- E. SUITABLE WIRE BENDING SPACE SHOULD BE PROVIDED FOR UP TO FOUR (4) 50-300mm² [800MCM] CONDUCTORS PER TERMINAL.
- A2. OPTIONAL COPPER CRIMP TERMINALS MAY BE SUPPLIED. UP TO FOUR (4) TWO HOLE, LONG BARREL CU CRIMP TERMINALS RATED FOR UP TO 50-300mm² [800MCM]. (REFER TO CRIMP TERMINAL INSTALLATION DATA PROVIDED WITH UNIT FOR FULL INSTALLATION DETAILS).
- D. SUITABLE WIRE BENDING SPACE PROVIDED FOR UP TO FOUR (4) 50-300mm² [800MCM] CONDUCTORS PER TERMINAL.
- A3. GROUND TERMINALS ARE PROVIDED STANDARD AS FOLLOWS:
(12) 50-380mm² [110 - 750MCM] CUAL CONDUCTOR

NOTES 1600-2000 AMPS

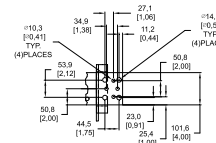
- B1. SUPPLIED WITH STANDARD MECHANICAL (SCREW TYPE) TERMINALS ON THE NORMAL, EMERGENCY & LOAD BUS STABS. ONE (1) TERMINAL PER PHASE AND NEUTRAL EACH SUITABLE FOR CONNECTION OF SIX (6) 50-380mm² [110 - 750MCM] CUAL CONDUCTOR (SEE NOTE "E" BELOW).
- E. SUITABLE WIRE BENDING SPACE SHOULD BE PROVIDED FOR UP TO SIX (6) 50-300mm² [800MCM] CONDUCTORS PER TERMINAL.
- B2. OPTIONAL COPPER CRIMP TERMINALS MAY BE SUPPLIED. UP TO SIX (6) TWO HOLE, LONG BARREL CU CRIMP TERMINALS RATED FOR UP TO 50-300mm² [800MCM]. (REFER TO CRIMP TERMINAL INSTALLATION DATA PROVIDED WITH UNIT FOR FULL INSTALLATION DETAILS).
- D. SUITABLE WIRE BENDING SPACE PROVIDED FOR UP TO SIX (6) 50-300mm² [800MCM] CONDUCTORS PER TERMINAL.
- B3. GROUND TERMINALS ARE PROVIDED STANDARD AS FOLLOWS:
(18) 50-380mm² [110 - 750MCM] CUAL CONDUCTOR



DETAIL (LOAD)
1000 - 2000 AMP
FOR BUSS PLATE
AVAILABLE CONTACT AREA
IF CUSTOMER BUSSSES
TO "LOAD" TERMINALS
CAN BE REMOVED FOR
BUSS CONNECTIONS



DETAIL (E & N)
1000 - 1200 AMP
FOR BUSS PLATE
AVAILABLE CONTACT AREA



DETAIL (E & N)(1)

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

D

C

B

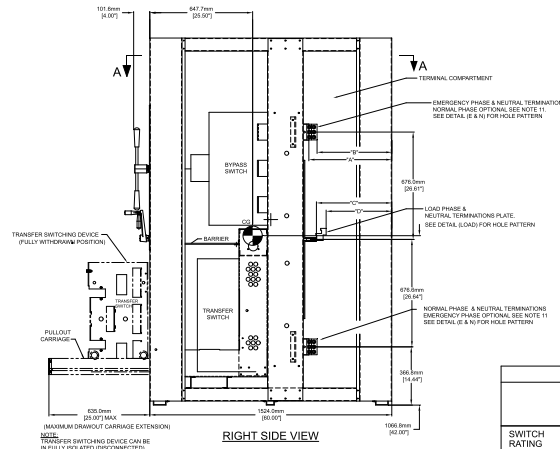
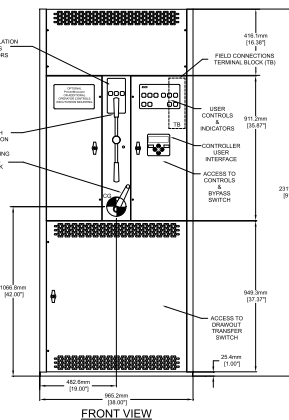
A

D

C

B

A



F	233624	WK	BK	09/07/11
E	233624	TH	WK	04/22/10
D	233624	WK	BK	09/23/09
C	233624	WK	BK	10/23/08
B	233624	WK	BK	04/28/08
A	233624	WK	BK	07/21/04
-	233624	WK	WK	11/21/02
	233624	WK	WK	11/21/02

PROJECT NAME:				DATE:			
OUTLINE & MOUNTING				ASSEMBLY NO.			
7000 SERIES TRANSFER AND BYPASS-ISOLATION				COMPUTER GENERATED DRAWINGS			
DESIGNED BY	DJB	11/11/10	DATE	SCALE	1:1	REV	DS
CHECKED BY	WK	11/11/10	DATE	PROJECT NO.	617441-A		
APPROVED BY			DATE	PROPERTY OF ASCO POWER TECHNOLOGIES, INC. (SEE NOTE 11 FOR FULL DISCLOSURE OF INFORMATION)	617441-A		
ASCO POWER TECHNOLOGIES, INC.				REV. 233624			
NEW JERSEY, U.S.A.				1 OF 1			