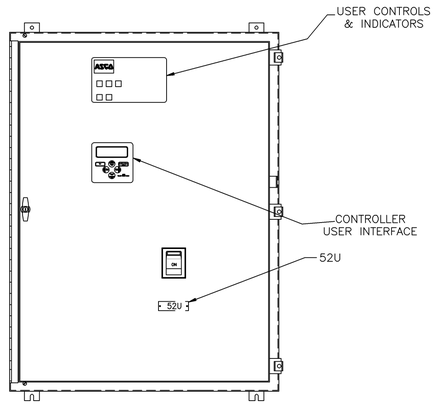
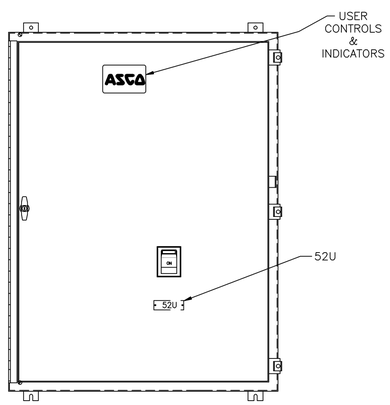
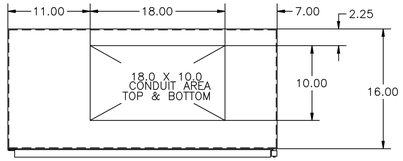
COMPOSITE OUTLINE FOR ASCO® 7000 SERIES (D7AUS) & 300 SERIES (D3AUS) , 386 (D3NUS) 70–225 AMPERE WITH SERVICE ENTRANCE BREAKER



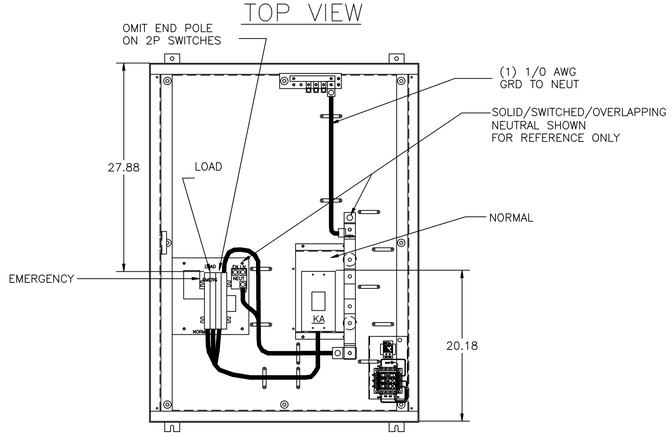
INNER DOOR FRONT VIEW
7000 SERIES



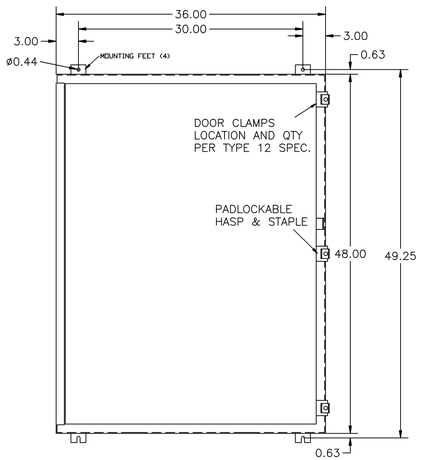
INNER DOOR FRONT VIEW
300/386 SERIES



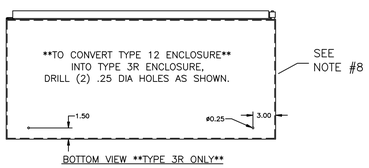
TOP VIEW



FRONT VIEW WITHOUT INNER DOOR

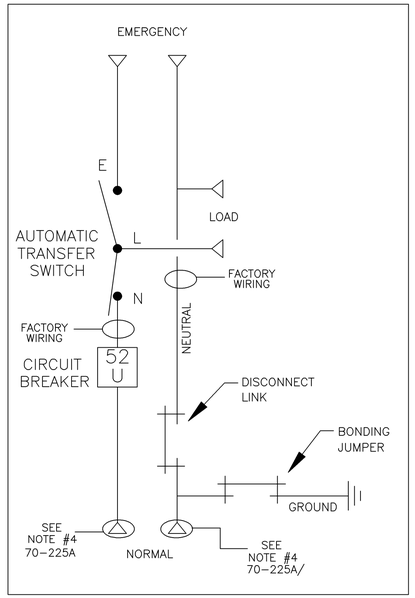


FRONT VIEW

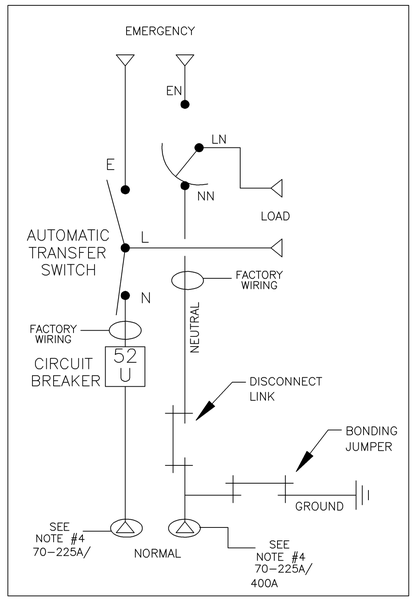


BOTTOM VIEW **TYPE 3R ONLY**

ONE LINE DIAGRAMS



(WITH SOLID NEUTRAL)



(WITH SWITCHED NEUTRAL)

GENERAL NOTES

1. UL 508. TYPE 3R/12 WALL MOUNTED ENCLOSURE.
2. DOOR HINGED ON LEFT SIDE. DOOR CLAMPS ON ONE SIDE, SEAL GASKETED DOOR. HASP AND STAPLE FOR PADLOCKING.
3. FINISH: ANSI 61 GRAY POLYESTER SEMI GLOSS ELECTROSTATIC POWDER.
4. RECOMMENDED CLEARANCES:
   FRONT: 36 INCHES
5. ALL BUS IS SILVER–PLATED COPPER, BASED ON 1000A PER SQ. IN. DENSITY.
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 (PROVIDED STANDARD ON D3AUS)
   B. SWITCHED NEUTRAL POLE
   C. OVERLAPPING NEUTRAL POLE
7. DESIGNED FOR FRONT ACCESS ONLY.
8. TO CONVERT FROM TYPE 12 ENCLOSURE INTO TYPE 3R ENCLOSURE, DRILL (2) .25 DIA HOLES AS SHOWN.
9. FOR SPECIFIED TRANSFER SWITCH, REFER TO OPERATOR'S MANUAL PROVIDED WITH UNIT.

SPECIFICATIONS

1. SERVICE VOLTAGE:
   SYSTEM RATING: 70 AMPS, 80 AMPS, 90 AMPS, 100 AMPS, 110 AMPS, 125 AMPS, 150 AMPS, 175 AMPS, 200 AMPS, 225 AMPS 3ø, 4W OR 1ø, 3W.

   GROUND BUS– 100 AMPS
   SHORT CIRCUIT RATING– 22,000 RMS SYM AMPERES @ 480V.
   THE EMERGENCY SOURCE INPUT MUST BE PROTECTED BY A REMOTE OVERCURRENT PROTECTION DEVICE AS LISTED ON THE MARKINGS ON THE TRANSFER SWITCH.
2. BATTERY VOLTAGE: N/A
3. NEUTRAL BUS: A FULL RATED NEUTRAL IS PROVIDED.
4. APPLICABLE LABELS: U.L. 1008– SUITABLE ONLY FOR USE AS SERVICE EQUIPMENT.

NOTES 70–150 AMPS

1. SUPPLIED WITH STANDARD MECHANICAL (SCREW TYPE) LUGS ON THE EMERGENCY & LOAD BUS STABS. ONE (1) LUG PER PHASE AND NEUTRAL EACH SUITABLE FOR CONNECTION OF (1) #14 TO 4/0 AWG CU/AL CABLE (SEE NOTE "A" BELOW).
   A. SUITABLE WIRE BENDING SPACE IS PROVIDED FOR UP TO ONE (1) 4/0 AWG CABLE PER TERMINAL PER NEC.
2. FACTORY WIRING: (1) 1/0 AWG PER PHASE AND NEUTRAL
3. GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS;
   70–100 AMPS: (3) #14– 1/0 AWG CU/AL CABLE
   150 AMPS: (3) #6 AWG– 250 MCM CU/AL CABLE
4. NORMAL CABLE CONNECTIONS SUITABLE FOR (1) #4 AWG TO 350 MCM PER ø AND NEUTRAL.

NOTES 175–225 AMPS

1. SUPPLIED WITH STANDARD MECHANICAL (SCREW TYPE) LUGS ON THE EMERGENCY & LOAD BUS STABS. ONE (1) LUG PER PHASE AND NEUTRAL EACH SUITABLE FOR CONNECTION OF (1) #14 TO 4/0 AWG CU/AL CABLE (SEE NOTE "A" BELOW).
   A. SUITABLE WIRE BENDING SPACE IS PROVIDED FOR UP TO ONE (1) 4/0 AWG CABLE PER TERMINAL PER NEC.
2. FACTORY WIRING: (1) 4/0 AWG PER PHASE AND NEUTRAL
3. GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS;
   (3) #6 AWG– 250 MCM CU/AL CABLE
4. NORMAL CABLE CONNECTIONS SUITABLE FOR (1) #4 AWG TO 350 MCM PER ø AND NEUTRAL.

CIRCUIT BREAKER: ITEM 52U

SQUARE "D" TYPE 'KAL', 250AF/70AT, 250AF/80AT, 250AF/90AT, 250AF/100AT, 250AF/110AT, 250AF/125AT, 250AF/150AT, 250AF/175AT, 250AF/200AT, OR 250AF/225AT
THERMAL–MAGNETIC MOLDED CASE CIRCUIT BREAKER.

REV. TO SHEET	ECN NO.	BY	APP.	DATE
J	217983	AE	WK	4/16/08
	SEE ECN			
H	216641	AE	WK	1/10/08
	SEE ECN			
G	209449	KH	WK	8/1/06
	SEE ECN			
F	203757	KH	BK	3/14/05
	SEE ECN			
E	203477	CC	BK	02/05
	SEE ECN			
D	203066	AE	WK	01/14/05
	SEE ECN			
C	202686	CC	BK	12/04
	SEE ECN			
B	201381	TR	WK	8/11/04
	SEE ECN			
A	167505	AE	BK	07/02/04
	SEE ECN			
—	167394	BK	WK	6/21/04
	ISSUED			

PROJECT NAME: SERVICE ENTRANCE 70–225A, TYPE 3R/12 ENCLOSURE

OUTLINE | MOUNTING

SERVICE ENTRANCE 70–225A
D7AUS/D3AUS/D3NUS

THIRD ANGLE PROJECTION

	BY	DATE
DRAWN BY	BK	6/21/04
CHECKED	WK	6/21/04
PROJECT APPROVAL	WK	6/21/04
FINAL APPROVAL		

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

ASSEM. REF. NO.

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COMPUTER GENERATED DRAWING

SCALE 1:1 | SIZE DS

DWG. NO. 754575–003

DRAWING REV. J | ECN NO. 217983 | SHEET 1 OF 1

ASCO POWER TECHNOLOGIES, L.P.
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