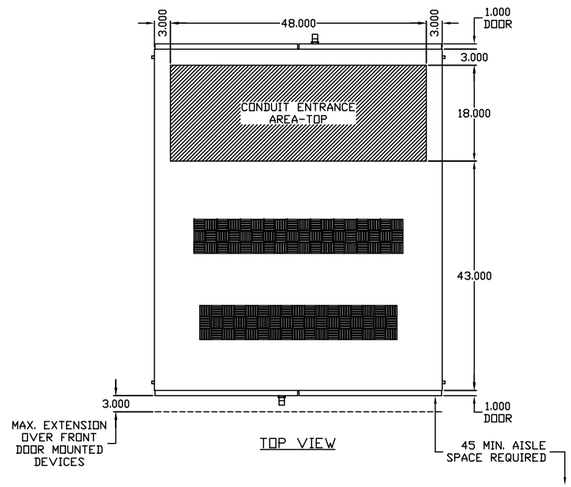
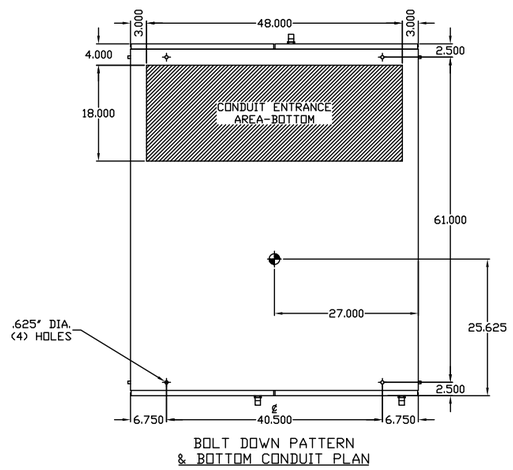
LUG SCHEDULE

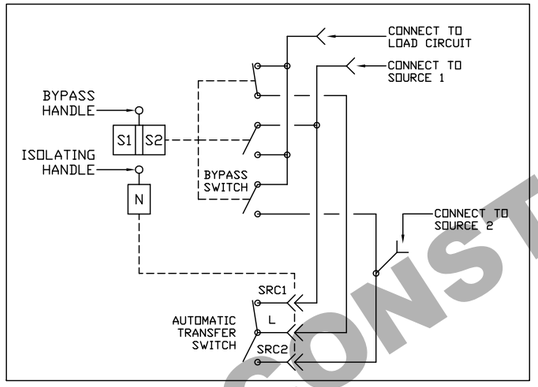
SWITCH SIZE	CABLE CONNECTION SIZE SOURCE 1, LOAD & SOURCE 2 PER PHASE & NEUTRAL	GROUND	ESTIMATED NET WEIGHT (lbs.)
3000A	(8) #4–600MCM OR (16) #1/0–250MCM	(24) #6–250MCM	4900



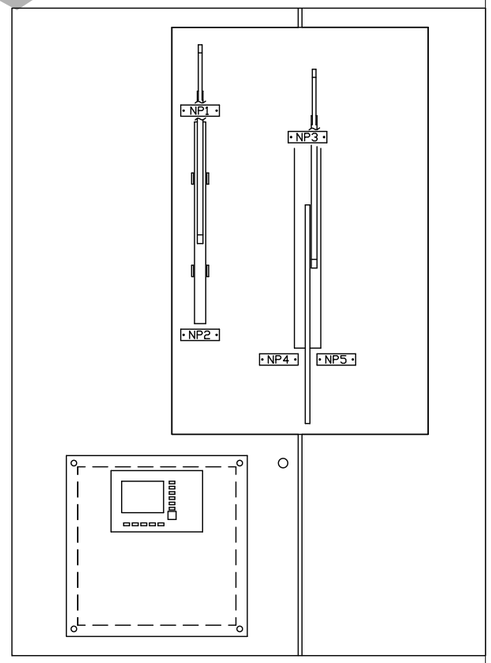
TOP VIEW



BOLT DOWN PATTERN
& BOTTOM CONDUIT PLAN



ONE LINE CONNECTION DIAGRAM



ENLARGED VIEW OF
ACCESSORY PLATE AND SHIFTER PLATE
(NAMEPLATE LOCATIONS)

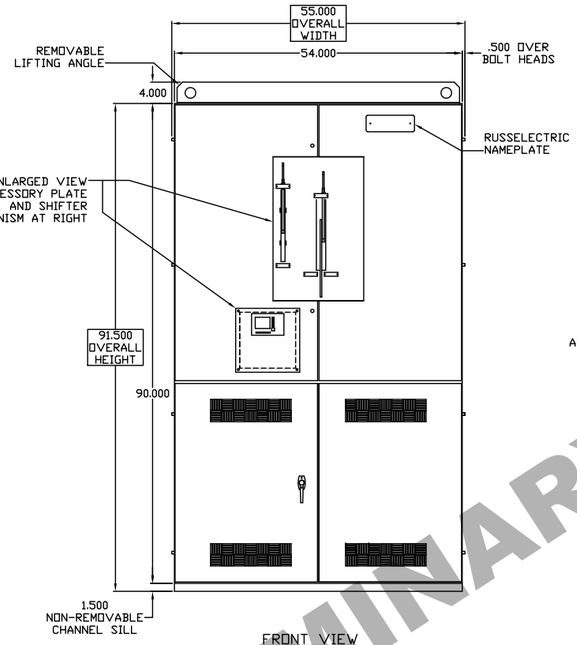
NP1 — ISOLATING HANDLE NORMAL POSITION — PART # 99N0010037

NP2 — ISOLATING HANDLE ISOLATING POSITION — PART # 99N0010047

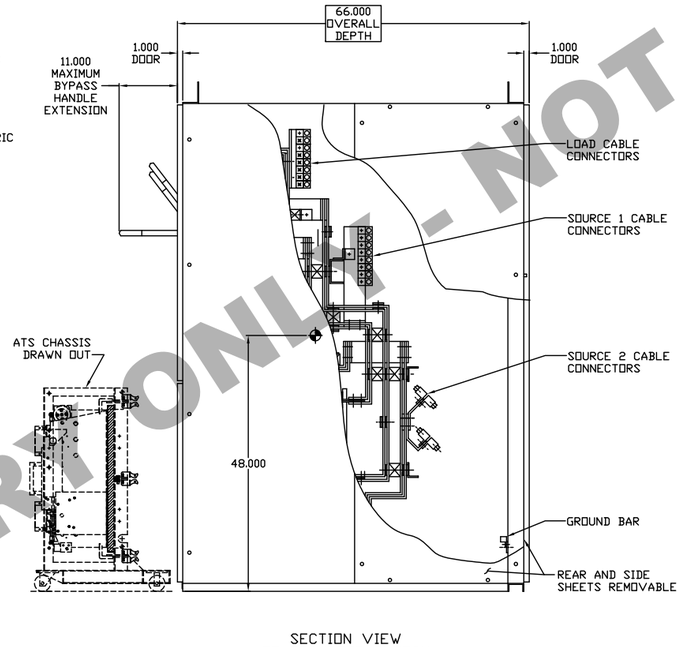
NP3 — BYPASS HANDLE NORMAL POSITION — PART # 99N0010028

NP4 — BYPASS HANDLE BYPASS TO SOURCE 2 SUPPLY — PART # 69N0004070

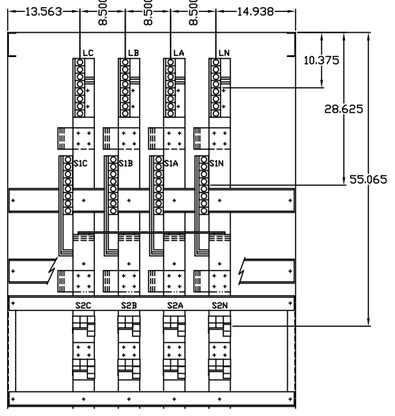
NP5 — BYPASS HANDLE BYPASS TO SOURCE 1 SUPPLY — PART # 69N0004075



FRONT VIEW



SECTION VIEW
OF TRANSFER SWITCH



PARTIAL REAR VIEW
SHOWNG BUS MARKINGS

GENERAL NOTES:

1. ENCLOSURE FABRICATED FROM SHEET STEEL IN ACCORDANCE WITH UL STANDARD 508.
2. ALL STEEL PARTS SHALL BE PREPARED FOR PAINTING BY A FIVE STEP CLEANING, PHOSPHATIZING AND SEALING PROCESS. THE PARTS SHALL THEN BE PAINTED ASA #61 GRAY, UTILIZING POLYESTER POWDER COATING APPLIED BY THE ELECTROSTATIC METHOD AND CURED IN A BAKING OVEN. THIS FINISH IS SUITABLE FOR OUTDOORS, AS WELL AS INDOOR APPLICATIONS.
3. LUG SIZES SPECIFIED ARE MECHANICAL TYPE SUITABLE FOR CU/AL CABLE.
4. ALL DIMENSIONS ARE IN INCHES (1 INCH = 2.54 CM)
5. SPECIAL CONSIDERATION MUST BE TAKEN WHEN PREPARING THE FOUNDATION. FOLLOW ALL APPLICABLE LOCAL AND INTERNATIONAL BUILDING CODES.
6. WHEN ANCHORING FOR A SEISMIC LOCATION, CONSIDERATION MUST BE GIVEN TO THE DESIGN OF THE PAD OR FOUNDATION. MINIMUM CONCRETE THICKNESS AND PSI, MINIMUM ANCHOR EDGE DISTANCE, CENTERLINE SPACING, AND EFFECTIVE EMBEDMENT ARE ALL FACTORS THAT WILL INFLUENCE THE ANCHORING.
   A. REFER TO THE PROJECT SPECIFIC SEISMIC STUDY DONE BY A CERTIFIED ENGINEER FOR PROPER ANCHOR DETAIL INFORMATION.
   B. USE AN ANCHOR THAT MEETS OR EXCEEDS THE STRENGTH OF A 1/2-INCH GRADE 5 BOLT WITH A 1/2" USS LARGE FLAT WASHER.

NOTE: REAR OR SIDE ACCESS REQUIRED.
CONSULT FACTORY IF FRONT ACCESSIBLE ONLY.

Russelectric
SOUTH SHORE PARK, HINGHAM, MA 02043
HTTP://WWW.RUSSELECTRIC.COM

NEMA 1 3000A 4P (RTS03)
CLOSED TRANSITION BYPASS ISOLATION SWITCH

SWITCH SIZE	NO. OF POLES	QUANTITY	SPECIAL MARKINGS					
3000A	4			DFTM.	JTL	03/29/11	DWG. NO. 83S0040D90	B
CERTIFIED BY:			DATE:	CHKD.	JTL	03/29/11		
				APPD.			SHEET NO. 1 CONT'D ON SHEET NO. _	REV

\PARTS\MECH\83\S0040D90.DWG

PRELIMINARY ONLY - NOT FOR CONSTRUCTION