

SWITCHGEAR INSTALLATION RECOMMENDATIONS

WARNING: All apparatus must be de-energized during installation or removal of part(s). All apparatus must be installed and operated in accordance with individual user, local, and national work rules. These instructions do not attempt to provide for every possible contingency. Do not touch or move energized products. Excess distortion of the assembled product may result in its failure. Inspect parts for damage, rating and compatibility with mating parts. This product should be installed only by competent personnel trained in good safety practices involving high voltage electrical equipment. These instructions are not intended as a substitute for adequate training or experience in such safety practices. Failure to follow these instructions will result in damage to the product and serious or fatal injury.

If this product is supplied with a protective shipping cover(s), remove this shipping cover(s) and replace with the appropriate HV insulated cap(s) or connector(s) before submerging or energizing the circuit.

FOR MORE INFORMATION ON PARTS, INSTALLATION RATINGS AND COMPATIBILITY, CALL THE NEAREST ELASTIMOLD OFFICE.

“Any failure on Safety Practices may result on Severe Personal Injury and equipment”.

PRECAUTIONS: During the equipment manipulation, the equipment should be handled by specialized personnel to avoid any damage on the equipment. Appropriated lifting equipment must be used. The usage of jacks, tackles is not allowed to be used during the installation.

INSTALLATION RECOMMENDATIONS.

1. Thomas & Betts / ELASTIMOLD Check List.

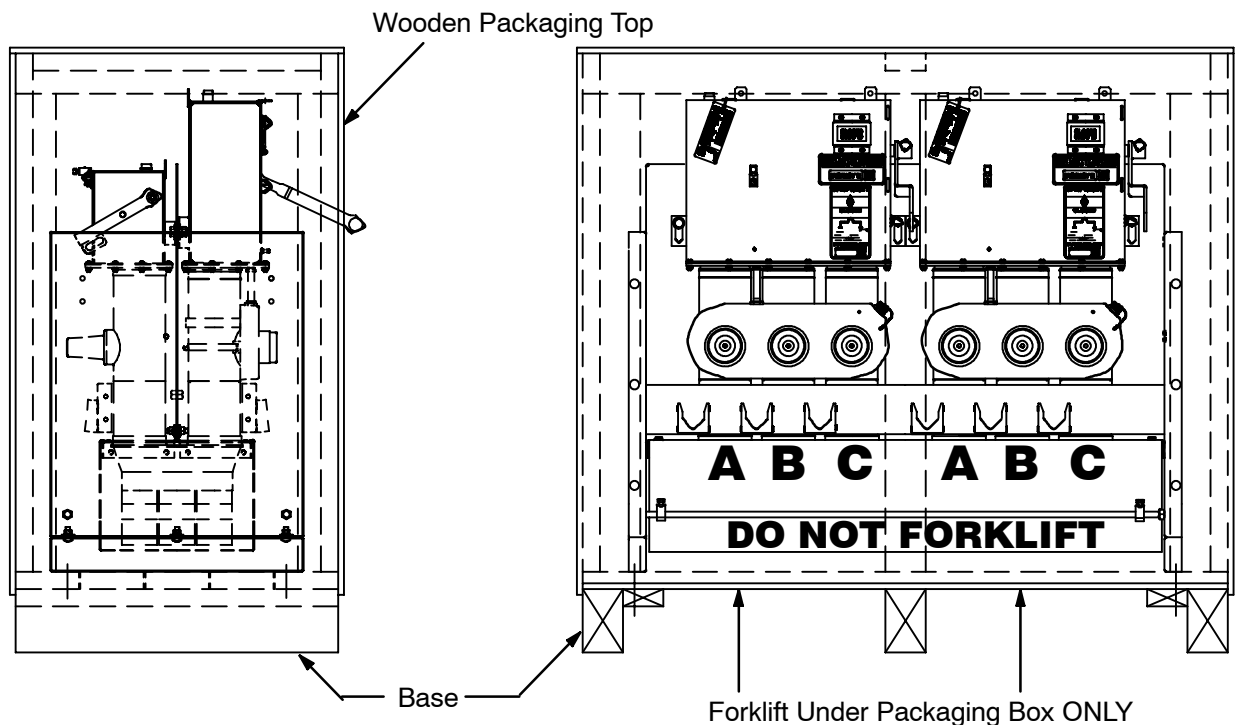
- a. Check carefully all the installation instructions before to start the installation
- b. Verify that the switchgear nameplate are correct before installation
- c. Verify that the designed concrete or structure is adequate for the switchgear installation
- d. Check all the anchor dimensions before the installation
- e. Assure the grounding system is proper installed – According with NEC, ANSI/IEEE, etc
- f. Verify that all the main connections had been made in accordance with the installation instructions
- g. Verify that the doors and locks are opening and closing correctly, checking any imperfection or operation problems.
- h. Assure all the parts of the switchgear are in good conditions, If not, please contact your T&B Customer Representation.
- i. All the cable connections **MUST** be installed under “de-energized and grounded conditions”
- j. Proceed with the following installation actions:
 - Detailed physical inspection for Mechanical and Electrical must be performed.
 - Mechanical torque on all the switchgear’s hardware, according with the recommended values provided.
 - Check all mechanical torque to all electrical connections and hardware

Note: It is extremely important to follow the manufacture instructions, if rubber elbows or cable accessories are installed in the field.

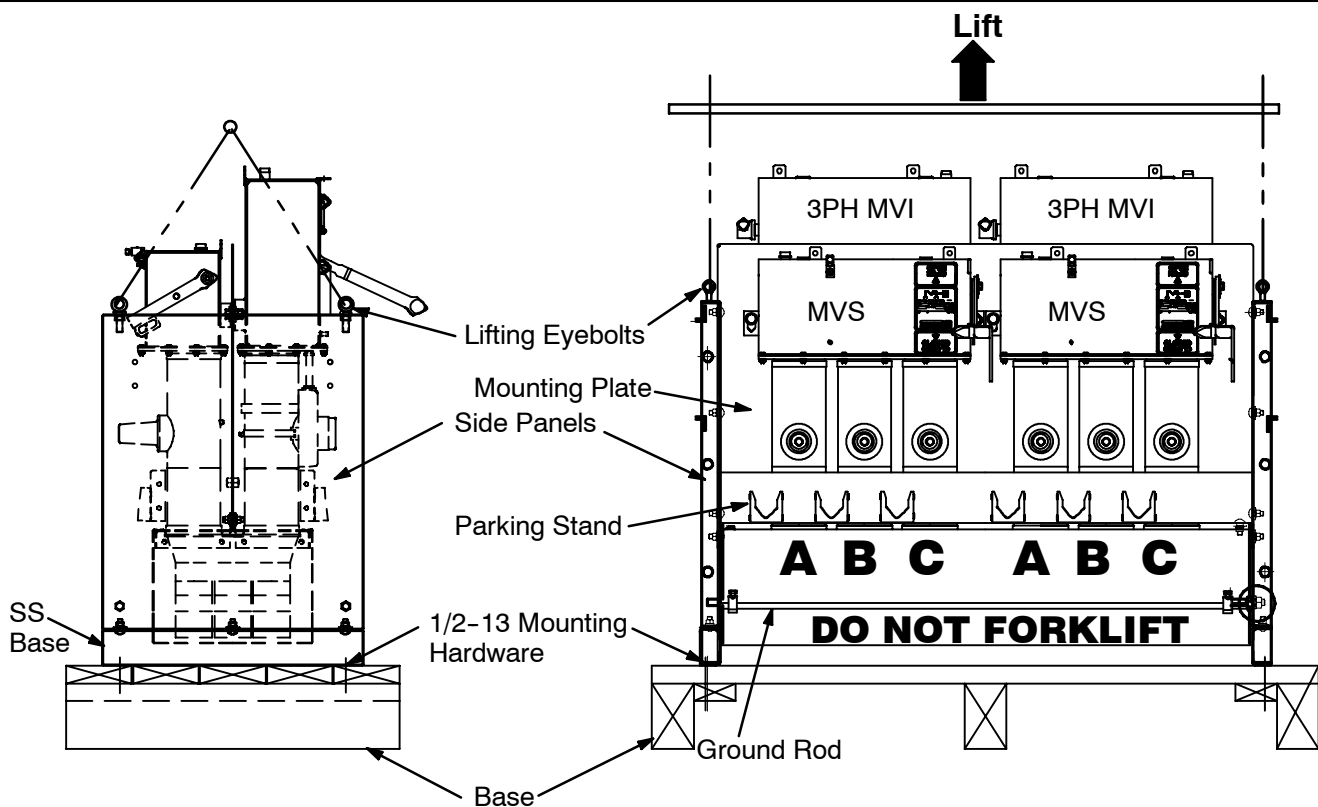
NOTE: A COMPLETE INSTALLATION INSTRUCTIONS WITH FURTHER INFORMATION WILL BE PROVIDED WITH THE EQUIPMENT.

INSTALLATION PROCEDURE SWITCH JUNCTION & PADMOUNT CABINETS

Handling and Storage: The Switch Junction is securely mounted in a sturdy shipping crate. If the switch is not installed immediately and is stored outside, protective covers must be used.

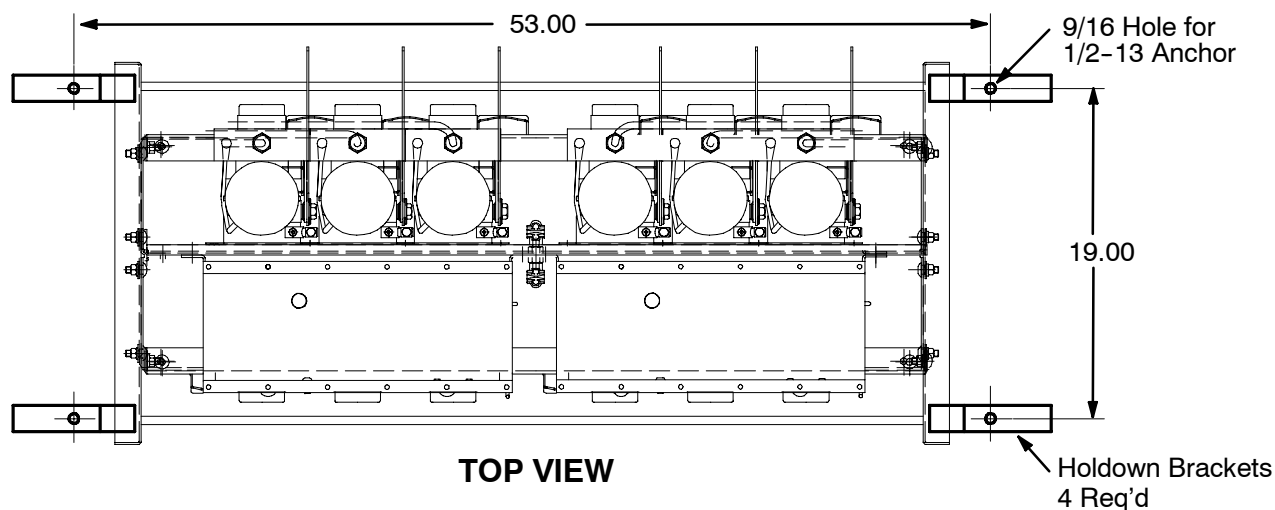


1. Remove top of packaging box from base.
2. Remove 1/2-13 mounting hardware.
3. Assemble (4) 1/2-13 lifting eyebolts (customer supplied) to the top of side panels.
4. Attach lifting cables as shown. DO NOT cross cables over unit.



VAULT MOUNTING

Anchor the switchgear frame work to the floor with the (4) holddown brackets (customer supplied). Attach to 1/2-13 anchors (customer supplied) to dimensions shown.



PADMOUNT MOUNTING

CAUTION: Equipment Damage. Follow all locally approved safety practices when lifting and mount the equipment. Use the lifting lugs provided. Lift the unit smoothly and do not allow the unit to shift. Improper lifting can result in equipment damage.

CAUTION: Equipment Damage. Never place jacks, tackle, or other attachments under the unit for the purpose of lifting. Failure to comply will result in damage to the equipment.

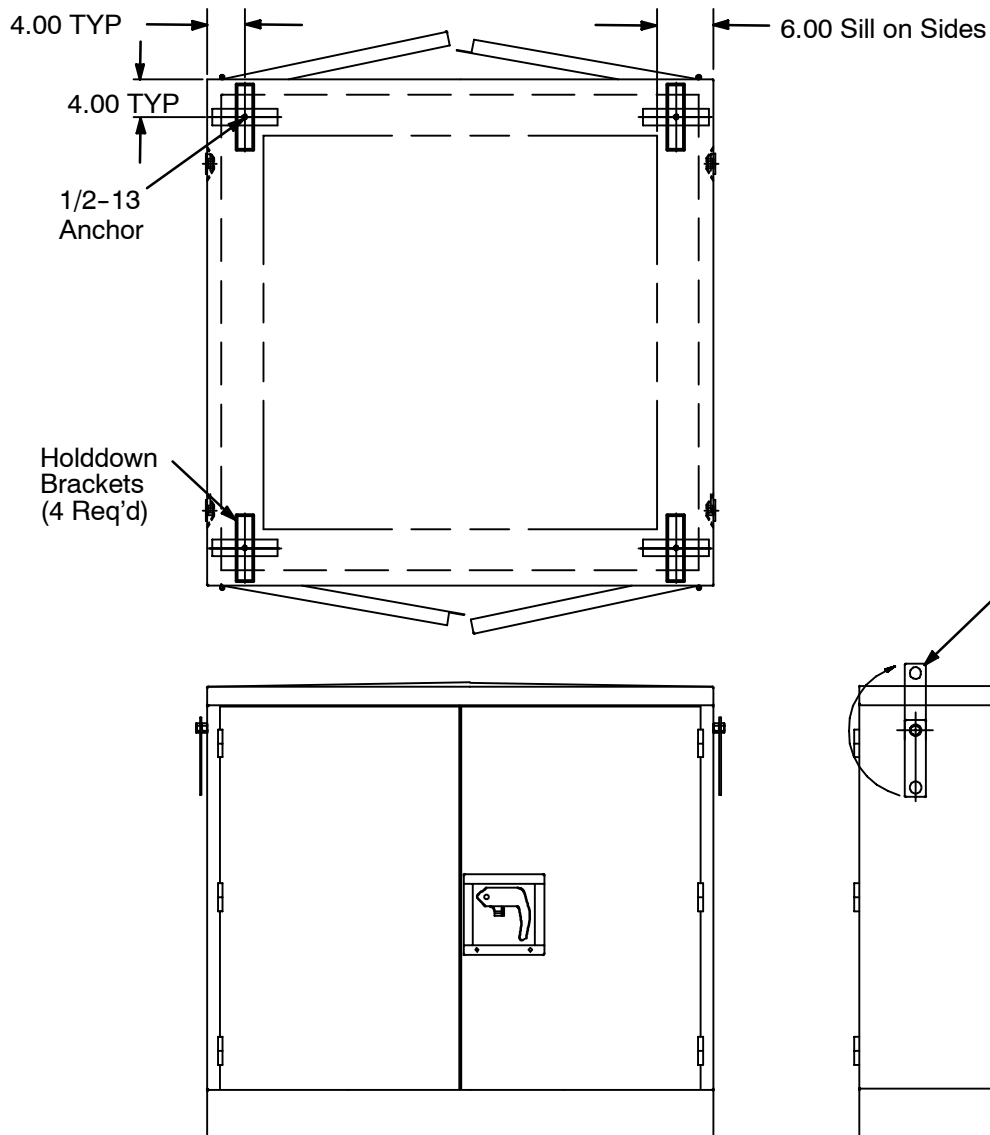
Mount the switchgear cabinet on the concrete pad or structure. Anchor the enclosure to the pad with the (4) holddown brackets (supplied). Attach to 1/2-13 anchors (customer supplied) to dimensions shown. Brackets may be rotated 90° as shown on page 4.

- A. The switchgear cabinet must be installed on a level concrete pad or structure that has been designed to support the size and weight of the unit.
- B. The switchgear cabinet must be hoisted only by the recessed lifting provisions provided at the four corners of the switchgear housing. Suitable lifting straps must be used to prevent damage to the switchgear.
- C. To prevent the switchgear cabinet from twisting or "Racking" the cabinet doors must be closed when lifting.
- D. The switchgear cabinet must be anchored to the concrete pad. Anchor the switchgear using the mounting cleats provided or other suitable mounting hardware.



Warning: Hazardous Voltage. Solidly ground all equipment. Failure to comply can result in death, severe personal injury and equipment damage.

- E. Ground the switchgear. Switchgear must be adequately grounded. Install a permanent, low-resistance ground connection to the switchgear assembly, grounding provisions are provided near the bottom of the switchgear assembly.
- F. Close and lock switchgear doors. Switchgear doors must be closed and locked in order to prevent unauthorized access and accidental contact with high voltage.



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