This instruction sheet is intended to provide a recommendation for the unloading and placement of the Motor Control Switchrack, foundation requirements to assure protection against maximum windload of 120mph and preparation of apparatus before energizing. Assembly instructions for a canopy are also provided when specified on order.

**UNLOADING**

The switchrack may arrive on site in an enclosed truck or a flat bed trailer depending on size. Switchrack assemblies range in size from three feet in length to thirty-eight feet. Heights may be five feet up to 11’ 4”. Widths usually range two feet to four feet. Most assemblies are supplied with removable shipping feet. Commonly a bare steel six-inch channel iron will be used. The switchrack mounting feet or plate will be bolted to the removable shipping foot. The shipping feet will be bolted to a wooden skid.

\[\text{Note}\]
Remove switchrack assembly from shipping skid and shipping feet before placing on permanent foundation.

All switchrack mounting frames are supplied with a 2” diameter lifting hole at the top of each vertical upright. If your assembly is delivered on a flatbed trailer the use of a crane is recommended for unloading. The weight of the assembly is noted on the engineering drawing supplied to the end user. There is also an envelope supplied with each switchrack that includes an up to date Assembly Drawing and Wiring Diagram. This envelope will be stored in the Bus enclosure, when a bus duct is supplied, or in the Main Circuit Breaker enclosure. The truck driver will also know the weight of his load if the drawing is not available. Use the 2” diameter lifting holes at each end of the structure for crane hooks. If additional upright members are supplied, they too will have a lifting hole, which may be used (See Figures 1A & 1B).

When switchrack is delivered by closed freight truck it may also be enclosed in a wooden crate. Fork trucks designed to handle the delivered weight may be used for unloading. Be sure to lift the switchrack by its horizontal cross members welded to the vertical uprights of the frame, not by the wooden crate or the equipment mounted on the frame (See Figure 2).

At times the switchrack may be delivered by closed freight truck but not enclosed in a wooden crate. A fork truck may be used to maneuver the structure out of the enclosed truck to allow access to the lifting holes. At this point a crane should be utilized for unloading.

\[\text{Note}\]: The switchrack structure may be lifted by the use of a fork truck with caution, but the lifting holes provided on the vertical uprights, which are usually structural aluminum or steel “H” beam, are intended to be utilized with crane unloading procedures.
PLACEMENT
Place the structure on a flat surface. Concrete footers, as shown, will need to be utilized to maintain the 120mph-windload speed that the switchrack-mounting frame is designed for. If not using one of the recommended footing designs, warranty may be voided in the event of damage due to high winds.
PREPARATION OF EQUIPMENT FOR ENERGIZING

Each piece of apparatus mounted to the switchrack frame will be secured with steel bands used for shipment. These steel straps are there to relieve stress on the mounting bolts and conduit runs during shipment. Remove the straps and wood protector after placement of structure.

Every explosionproof piece of equipment must be sealed off where conduit enters and exits the enclosure. Refer to Article 500 Hazardous (Classified) Locations Section in the current NEC (National Electrical Code). Crouse-Hinds EYS, EYD, EZS and EZD type conduit sealing fittings are recommended.

Each sealing fitting supplied with the switchrack will have a red warning tag attached to it. This tag instructs qualified personnel to prepare the fitting for use by installing Crouse-Hinds Chico A Sealing Compound in conjunction with Crouse-Hinds Chico X Fiber, or Crouse-Hinds Chico Speed Seal Compound. See Instruction Sheet supplied with sealing fitting for proper sealing methods.

Only experienced, careful installers should be entrusted with preparing and pouring a sealing fitting. Improperly poured seals may pose a potential hazardous condition. Mixing vessel must be cleaned thoroughly before mixing new compound.

Note: When using drain type seals the molded rubber drain core MUST be removed two hours after pouring sealing compound. Once removed, install Crouse-Hinds ECD drain fittings into the opening and tighten securely.

⚠️ Caution
Refer to UL Table 35.1 to determine the maximum number and size of conductors allowed in a seal.

DOCUMENTATION

A large envelope is supplied with each switchrack containing assembly drawings and wiring diagrams of the unit shipped. Additionally instruction sheets for each unit mounted on the structure are also included in the packet. Manufacturer’s documentation of all electrical components supplied in each unit is also included in the package.

All statements, technical information and recommendations contained herein are based on information and tests we believe to be reliable. The accuracy or completeness thereof are not guaranteed. In accordance with Cooper Crouse-Hinds "Terms and Conditions of Sale", and since conditions of use are outside our control, the purchaser should determine the suitability of the product for his intended use and assumes all risk and liability whatsoever in connection therewith.