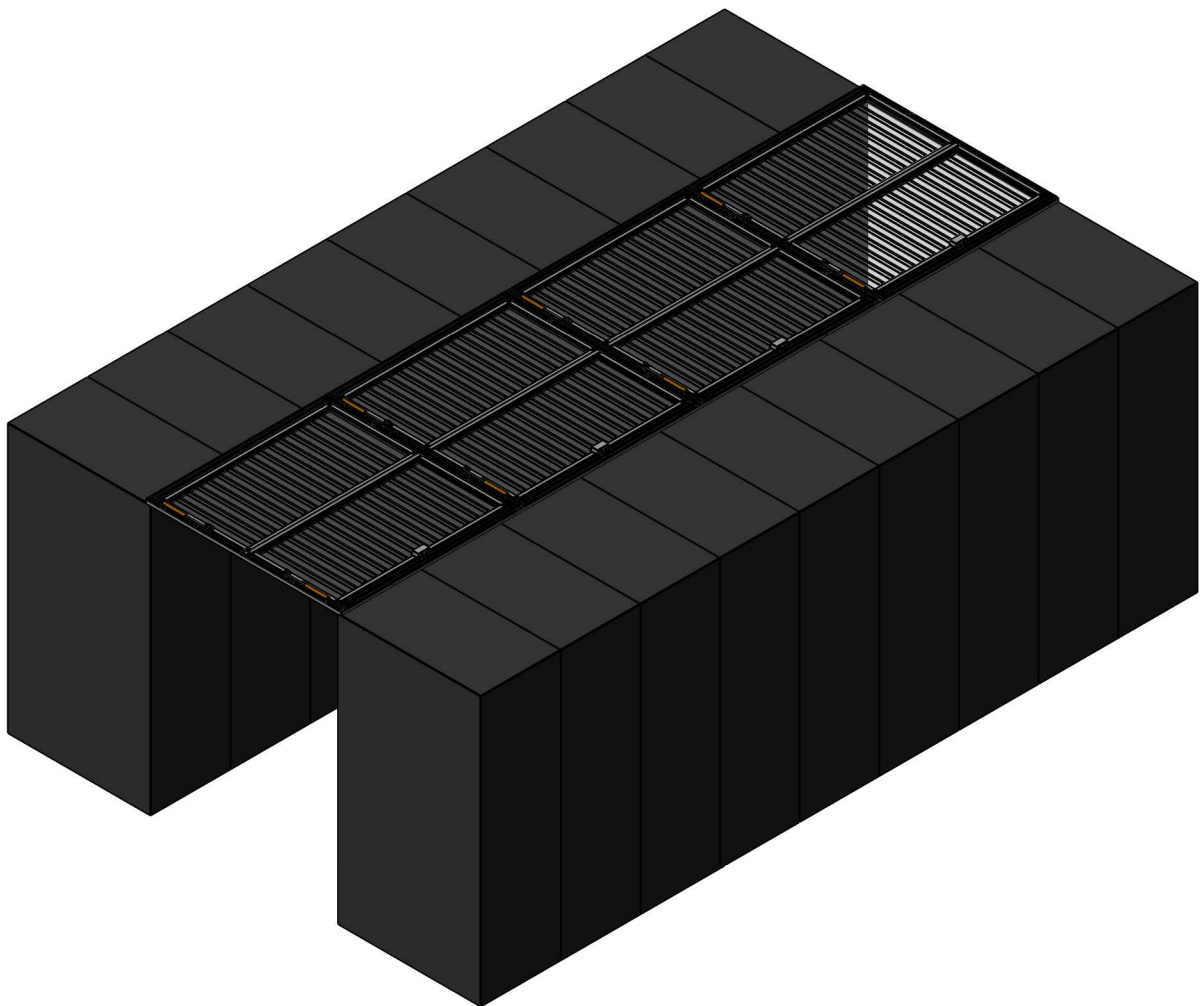


# Mechanical Heat Activated Ceiling Installation Manual



# Table of Contents

	PAGE NUMBER
SAFETY & HANDLING	2
TOOLS LIST	2
CONNECT MECHANICAL CEILING	3
INSTALL FRAME	4
INSTALL MECANICAL CEILING	5
CONNECT FIELD WIRING	6-7

## **Safety & Handling**

When unpacking the Mechanical Ceiling and components, be careful not to scratch the aluminum frame and the polycarbonate. They have been carefully packaged and inspected before crating. Inspect all components and be sure all required hardware is included for assembly. Reference the Packing Slip.

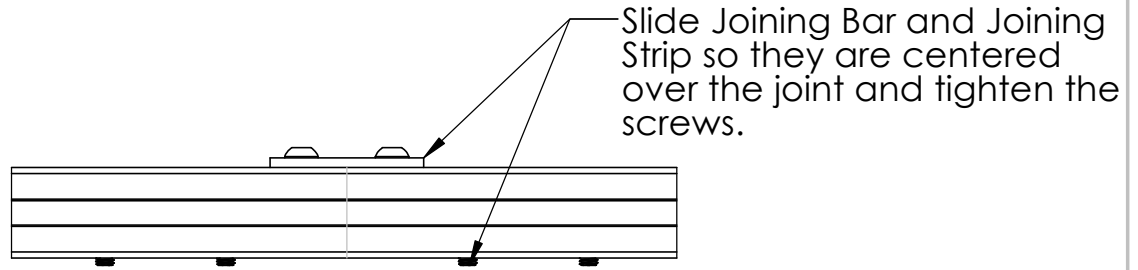
Use the proper tools for all assembly procedures as well as installation of the Mechanical Ceiling in and around the cabinets.

All movement and assembly requires two persons for safety and protection of the Mechanical Ceiling being installed and the equipment around them.

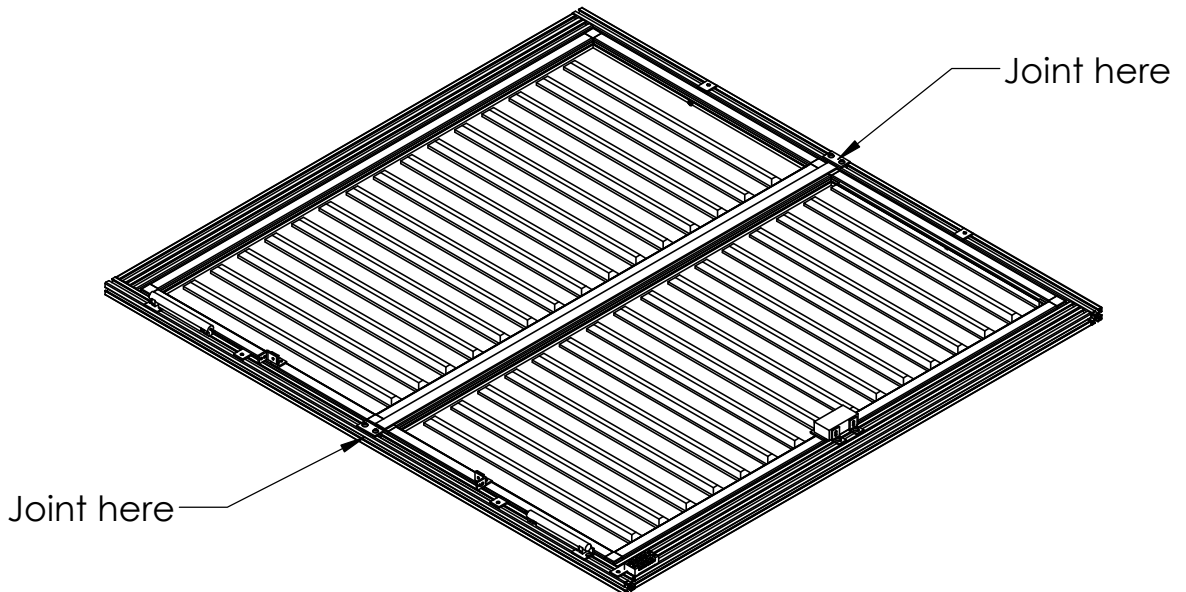
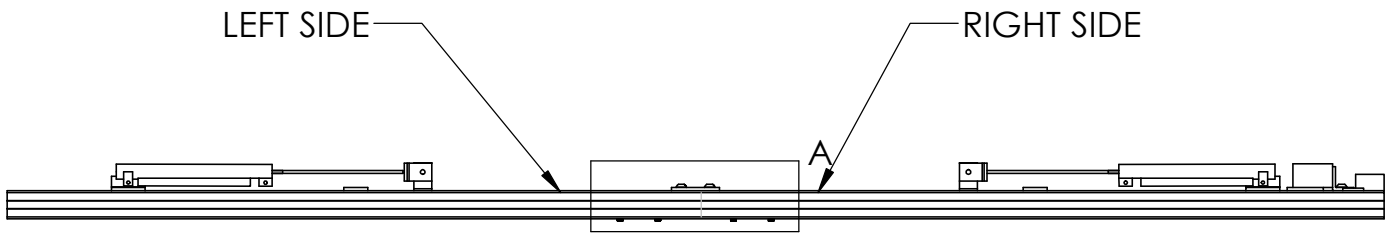
## **Tools List**

Tape Measure	Step Ladder	Extension Cord	Rubber Mallet	Level	Phillips Driver
$\frac{5}{16}$ " Hex Nut Driver	$\frac{5}{32}$ " T-Handle Hex Wrench	$\frac{1}{8}$ " Allen Wrench	Pencil	Fine Point Marker	String or Straight Edge
Vacuum	Amonia free Cleaner	Rags	Scissors	Knife	

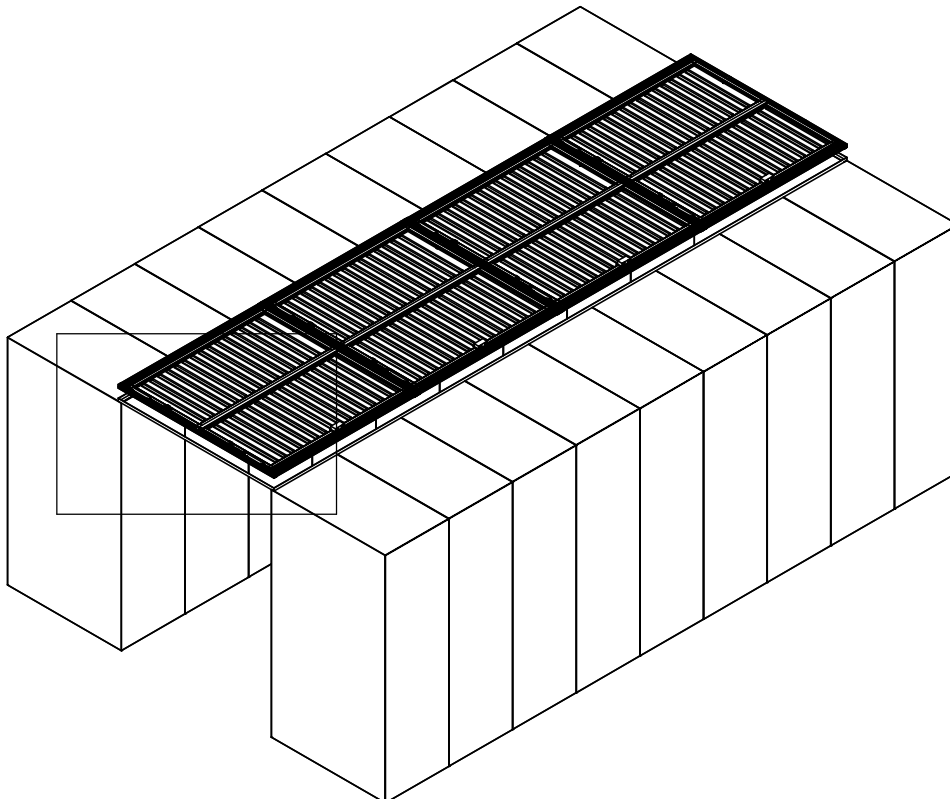
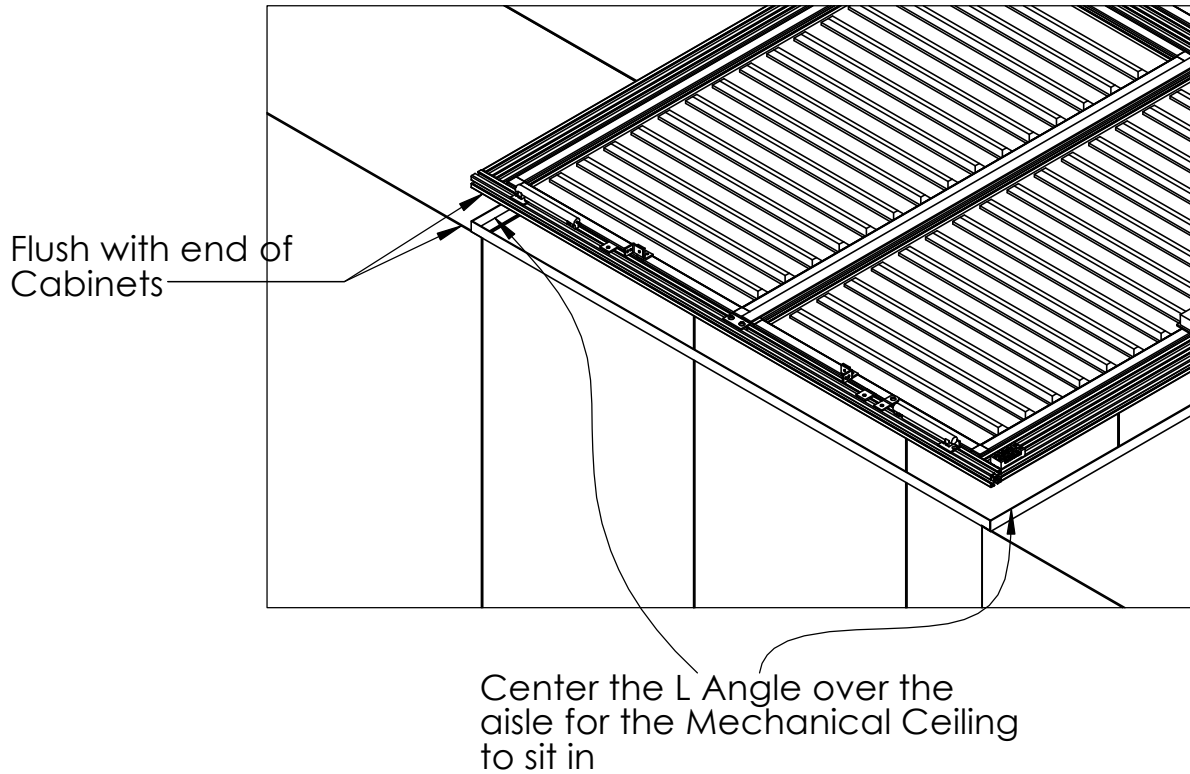
If the Mechanical Ceiling is in two pieces then put the Left and Right sides of the Mechanical Ceiling together and center the Joining Strip and Joining Bar over the joint and then tighten the Screws. Make sure that the Mechanical Ceiling butt joint is tight.



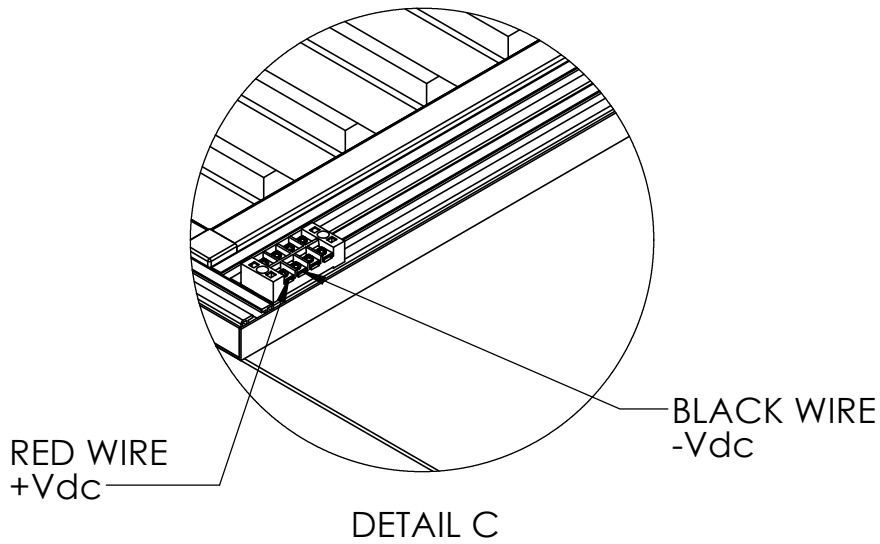
DETAIL A



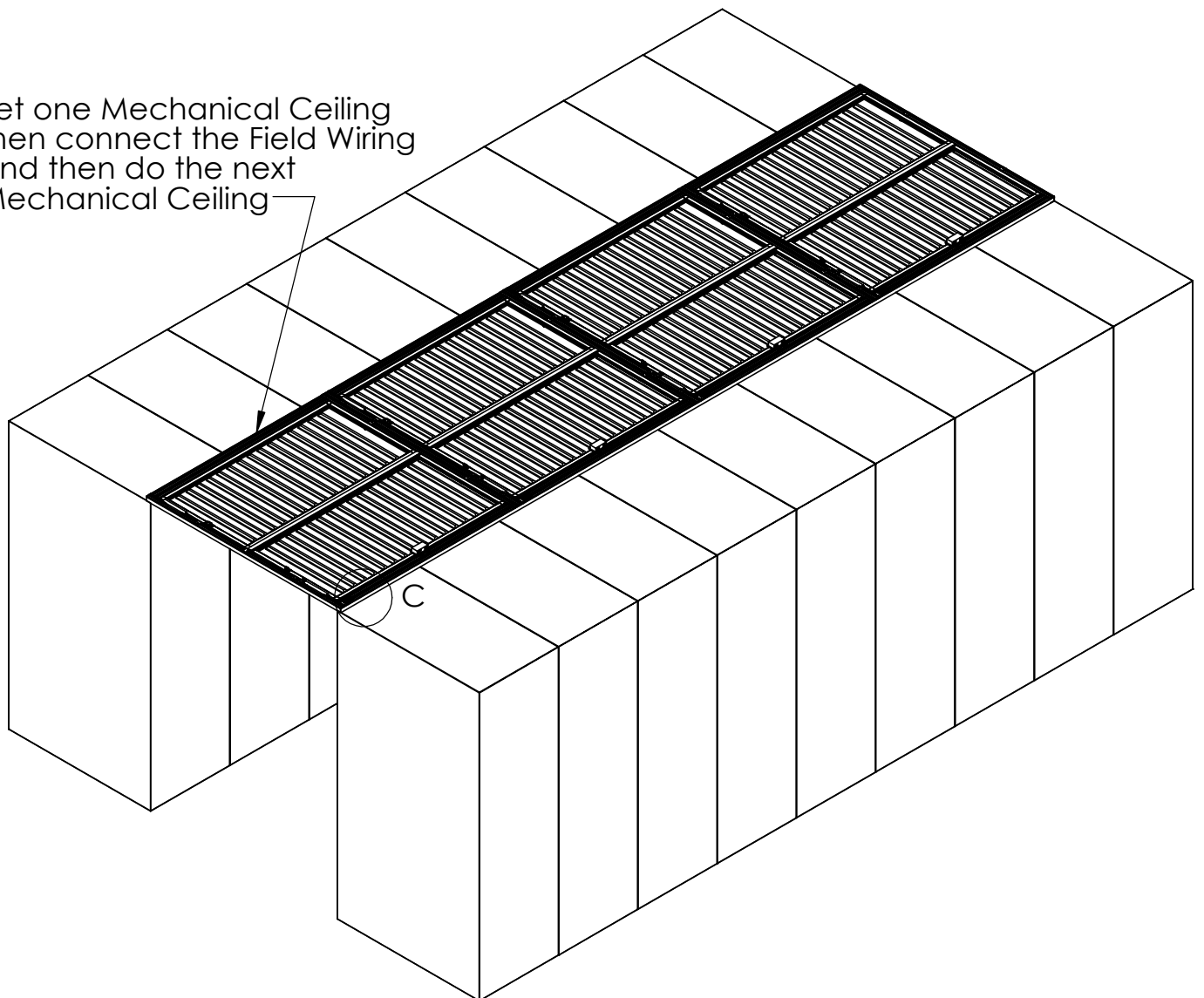
1. Make sure the L-Angle's are evenly aligned, spaced and centered along the length of the aisle prior to removing the backing on the double sided sticky tape or Velcro so that the Mechanical Ceiling will fit between them with minimal gaps. The L-angles will be difficult to move, if the double sided sticky tape is used and secured to the cabinets/rigid walls.
2. Place the Mechanical Ceiling flush with the cabinets at the end of the aisle. If needed, center the Mechanical Ceiling and fill gap with foam bulb provided.



While placing the Mechanical Ceiling in the frame, it may be best to set each Mechanical Ceiling in place and connect the fieldwiring to the Terminal Block before setting the next Mechanical Ceiling in position.



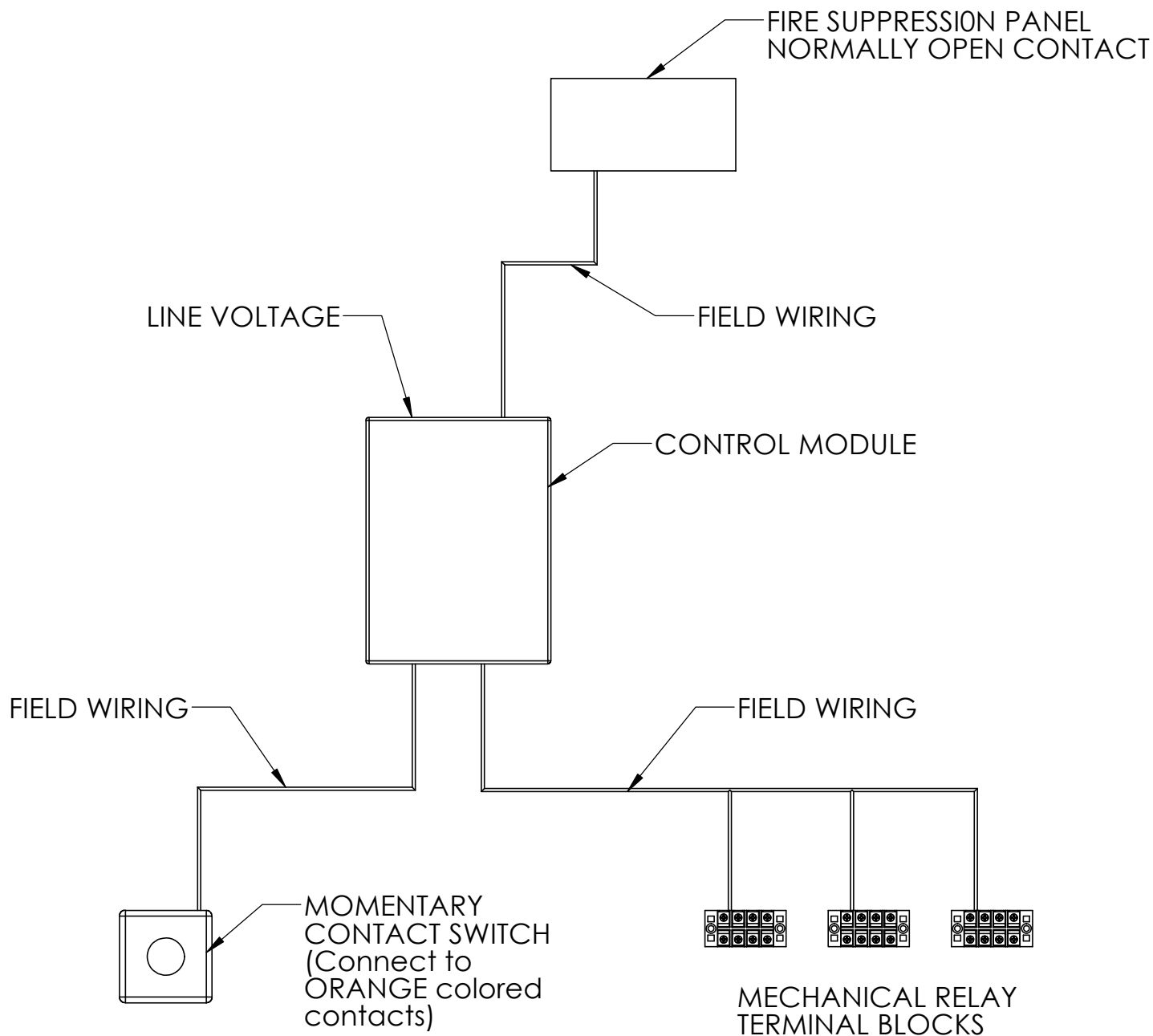
Set one Mechanical Ceiling  
then connect the Field Wiring  
and then do the next  
Mechanical Ceiling



1. Connect Control Module to:
  - Fire Suppression Panel Normally Open contact
  - Mechanical Ceiling Terminal Blocks
  - Momentary Contact Switch (located in the vicinity of the Mechanical Ceiling for manual activation of Mechanical Ceiling)
2. Field Wiring must 2 conductors minimum and be sized to carry 12VDC 1.0 AMPS
3. Each Mechanical Ceiling draws 0.15 AMPS
4. Verify operation of Mechanical Ceiling
  - When Momentary Contact is pressed, the Mechanical Ceiling will open.
  - When the Fire Suppression Panel Normally Open relay contact closes the Mechanical Ceiling will open.

**NOTE:**

Before testing, remove the packing material to hold Mechanical Ceiling in place during installation.



NOTES:

1. The Fuse in the Control Box is 1 amps
2. Field wiring must be sized properly for 12Vdc 1 Amp
3. Field wiring must be installed using a licensed Electrician per the local jurisdictions rules and requirements.

TESTING LOGIC:

1. When the switch is depressed the Mechanical Ceiling will open.
2. When the Fire Suppression panel's Normally Open contact is closed, the Mechanical Ceiling will open.

