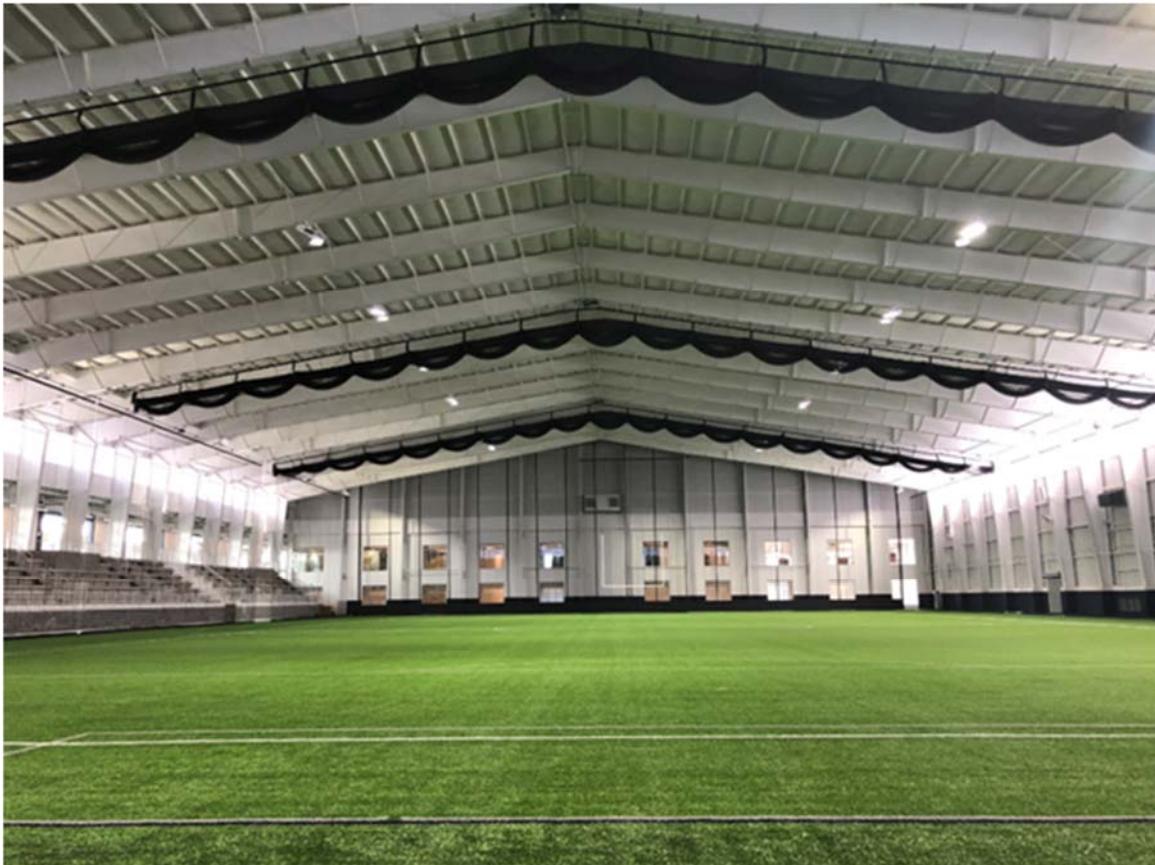
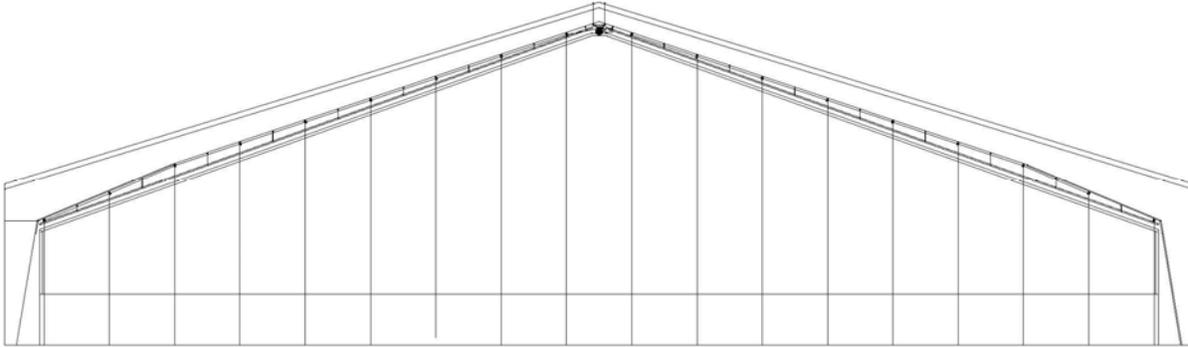


FORM-FOLD DIVIDER CURTAIN

No. 5065



PORTER[®]

Installation, Operation, and Maintenance Manual

SAVE THESE INSTRUCTIONS FOR FUTURE USE



INSTRUCTIONS: Dealer and/or Installation Supervisor,
Please give this book to the Owner/Customer

GUARANTEE

All materials and workmanship of basic materials are guaranteed to be free and clear of defects. Defective material will be repaired or replaced, at our option, subsequent to complete information being received by us concerning the nature of the defect for a period of one year from the date established by the certificate of occupancy or certificate of substantial completion, whichever shall occur first or otherwise documented and signed by an officer of Porter Athletic, Inc.

NAME OF PROJECT:	

NAME OF DEALER:	NAME OF INSTALLATION COMPANY:
PHONE #:	PHONE #:

Porter Order Number _____
Date of Scheduled Shipment _____
Date of Substantial Completion _____

The gymnasium equipment for this project has been custom fabricated according to the Owner's/Architect's specification. Care has been taken to fabricate and install this equipment to provide years of safe, satisfactory use and trouble free service.

The key to satisfactory service is proper operation and care. Should any malfunctions occur, please notify your supervisor and call your local Porter Dealer or Representative.

LIABILITY

Liability is not only an issue with the installation and maintenance of this product, but also extends to the proper operation by the end user. The operational instructions must be read and understood before operating this equipment!

This model No. 5065 curtain manual, which provides explicit examples of a variation of overhead attachments, is meant to serve as a general guideline only for the safe installation of this product. Variables must be taken into consideration which are outside of Porter's control, including, but not limited to, steel joist variations which include splice plate interference, web panel point attachments if specified by the Architect, conduit interference, HVAC and sprinkler interference, non-grouted cells of block walls, spacing and frequency of wall ties, appropriate selection of wall anchors for the given wall composition, proper installation of said anchors, embed depth of the anchors, etc. It is Porter's explicit requirement this product be installed in a safe and secure manner. Any structural deviation from Porter installation drawings without written authorization will void all warranties. Contact the factory immediately should such a condition exist, necessitating a design revision. All anchor and fastening methodology is to comply with the International Conference of Building Officials (ICBO), the Uniform Building Code (UBC), the Industrial Fastener Institute (IFI), and all state regulatory agencies, such as The Division of the State Architect (DSA) in California.

General Hardware Guidelines

- Do not substitute hardware without written authorization from the factory.
- Minimum Grade 5 hardware is to be utilized at all attachments, unless specified otherwise. Refer to the specific part drawing bill of material list in this manual for the proper grade of hardware.
- On eyebolt applications, a turned eye is not acceptable. Utilize forged eyebolts or, if necessary, a turned eye that is welded closed.
- Do not substitute for the factory-supplied cable and cable clamps. The quality of the 1/8" cable and clamps can vary widely from different manufacturers, and are not all suited for curtain applications.



TABLE OF CONTENTS

MANUAL OVERVIEW	5
OPERATIONAL INSTRUCTIONS	6
MAINTENANCE CHECKLIST	7-8
INSPECTION CHECKLIST	9
INVENTORY AND TOOLS	10
INSTALLATION INSTRUCTIONS	11
SUPPORT ASSEMBLY DETAILS	12
WINCH INSTALLATION	13-14
TYPICAL PULLEY CONFIGURATIONS.....	15-17
TRACK INSTALLATION	18
MOBIEL PULLEY INSTALLATION.....	19-21
CABLE INSTALLATION	22
SETTING LIMIT SWITCHES	23
RAISING THE CURTAIN.....	24
BOTTOM PIPE INSTALLATION.....	24-26
SETTING UPPER LIMITS & FINAL ADJUSTMENTS	27
OPERATION INSTRUCTIONS.....	27

MODEL NO. 5065 FORM-FOLD[®] DIVIDER CURTAIN MANUAL OVERVIEW

WARNING

READ ALL INSTRUCTIONS THOROUGHLY BEFORE ATTEMPTING TO OPERATE THIS EQUIPMENT.

FAILURE TO COMPLY WITH THE FOLLOWING INSTRUCTIONS AND WARNINGS MAY RESULT IN SERIOUS INJURIES AND/OR PROPERTY DAMAGE.

This manual has been prepared to assist you with the installation, operation and maintenance of the 5065 Divider Curtain.

Enclosed in this manual is an inspection list for your equipment, including operational information.

We recommend that you read this manual to become familiar with the operation of the 5065 Divider Curtain, and then assign it to the person responsible for the maintenance and inspection program. If you need additional copies of this manual, please let us know.

The safest equipment can be damaged when used by the untrained. We suggest that qualified personnel supervise all utilized equipment.

For ease of administering this maintenance program, we suggest that your equipment be numbered and a file maintained on its location, name of manufacturer, original item number, date of purchase, and maintenance performed. This will be useful when ordering replacement parts and keeping track of maintenance. Defective equipment must be marked **“DO NOT USE”**, and the circuit breaker must be turned off and also tagged **“DO NOT USE”**, until replacement or repairs are completed.

Inspections should be performed periodically, depending upon the nature of the equipment and its use. When the equipment is exposed to heavy use, special inspections should be made in addition to the normal maintenance program. At minimum, a yearly inspection of the system is recommended.

Any structural and/or electrical deviation from the Porter installation manuals and drawings, without written authorization, will void all warranties.

MODEL NO. 5065 FORM-FOLD[®] DIVIDER CURTAIN OPERATIONAL INSTRUCTIONS

WARNING

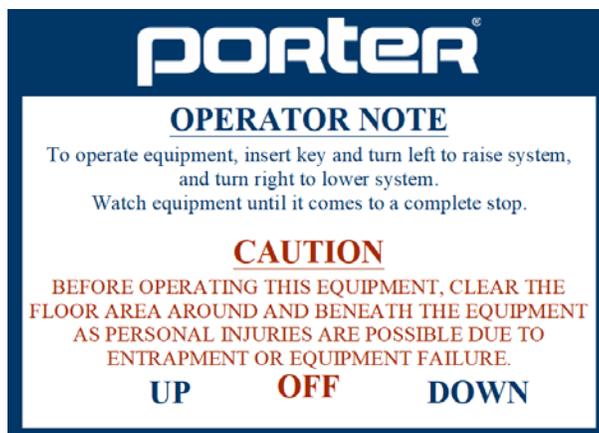
The 5065 Divider Curtain is powered by an electric winch, which develops tremendous forces. This equipment is to be operated **only** by qualified personnel to avoid structural damage or possible injury to the operator and other individuals in the gymnasium/facility.

Caution should be exerted at all times for safety reasons, keeping the following guidelines in mind:

- **ONLY** authorized, **TRAINED** personnel are to operate the 5065 Divider Curtain. Authorized personnel is defined as an individual (or individuals) who is at least 21 years of age, has witnessed the proper operation of the unit, and is sanctioned by the facility as being responsible for the operation of the divider curtain.
- The key switch or Powr-Touch[®] pad, which controls the divider curtain, must be flush mounted on the wall, located in full view of the operator, and not directly beneath the equipment.
- Always make sure the area below the divider curtain and in the path of travel is clear of all individuals and surrounding equipment when raising and lowering the unit.
- The divider curtain may be raised or lowered by placing the key into the key switch, and turning as indicated on the switch cover plate. Refer to the separate Powr-Touch[®] manual for the key pad type operation.
- The key that operates the unit should be retained at all times by a designated authorized person, or kept in a lock box. **Make sure that the key is never left in the key switch unattended!**
- It is critical the operator visually monitor the area around the curtain through the entire raising and lowering travel cycles, making certain no one or thing is at or near the curtain travel. Pay particular attention to the unit as it nears a limit switch cut-off juncture. If the limits are not stopping the curtain at the “**DOWN**” position with minimal cable slack, or allowing the curtain to raise higher than the top of the curtain fabric, contact your Porter representative immediately.

Again the safest equipment can be damaged when used by the untrained. It is imperative the procedures set forth in this manual are strictly observed.

Note: The key switch must be labeled with the following operational instructions, as shown. If your key switch is not labeled properly, contact your Porter dealer immediately.



MODEL NO. 5065 MAINTENANCE CHECK LIST

The 5065 Divider Curtain is designed to operate for many years without any significant service performed. Depending upon the usage of the unit, it is required that an initial 6 month inspection followed by annual inspections be made, at which time the following steps should be taken:

1. GENERAL

Before inspecting, be certain to follow all OSHA guidelines concerning the use of scaffolds and lifts. The proximity of the scaffold or lift to the curtain must be of adequate distance to provide working clearance, so as not to have the curtain contact the lift during operational checks.

Make certain the Porter key switch or Powr-Touch[®] pad are not substituted and is located within full view (but not beneath) the divider curtain. Check the walls in close proximity to the curtain for any type of protrusion that may interfere with the raising or lowering of the unit (i.e., new scoreboard, chinning bars, etc.).

2. ELECTRIC WINCH

Although virtually maintenance-free, the electric winch should also be periodically inspected for proper operation of the limit switch assembly and key switch.

Test the limits by operating the system fully in both directions until the limits are engaged. Ensure that the limits stop the system with the curtain in a safe stored height, as well that the system stops in the lowered position while maintaining equal tension on all cables. If cables are slack in the lowered position they can be tensioned from the bottom pocket.

Test the key switch to ensure that the key releases after being engaged, and visually inspect the mounting plate and switch cylinder for signs of damage.

Inspect the formed clamp connections of the frame weldment support to the support structure, ensuring all hardware is tight. The hardware at the building connection is also to be inspected for tightness.

The winch drums are to be visually inspected, making certain the incoming cables are aligned with the take-up drums. Cable alignment is critical, and can be easily adjusted by moving the idler pulleys at each cable take-up line across the curtain.

3. PULLEYS

Inspect the multi-pulleys and all pulley guides for any sign of wear. Replace the rollers or pulleys should wear be evident. Determine cause of any excessive wear (typically a cable alignment issue), and adjust as necessary.

4. TOP CURTAIN CONNECTIONS

Inspect all chains and connections, making certain the hardware is all “closed” or tight.

5. HOISTING CABLES.

Inspect all 1/8” galvanized hoisting cables for kinking or fraying, replacing as necessary.

6. BOTTOM CURTAIN POCKET CONCEALED TUBES

Inspect the bottom pocket, ensuring the concealed tubes are not separating. At the bottom pocket, the pipe is to be secured to the 1/8” galvanized hoisting cables with two cable clamps and a plastic ball to eliminate wear on grommet by metal clamps.

8. FABRIC

Inspect the curtain for any tears or holes in the fabric. Also, check the fabric for signs of tearing or loosening at the seams. Check grommets or D-Rings at all pick-up lines. The fabric may be cleaned with a mild solution of soap cleaner and water, or Power Foam sold by Ricmar Industries of Elmhurst, Illinois (1-800-323-0779).

9. CONTRACT MAINTENANCE ALTERNATE

In many facilities, it is possible that the maintenance personnel either do not have the ability or the scaffold to work at the heights required to perform the inspection and maintenance program outlined in this manual. Should your maintenance program be so limited that this program cannot be properly performed, it is highly recommended that a contract-type inspection/maintenance service program be initiated with a qualified and trained establishment in this type of equipment.

5065 CURTAIN INSPECTION CHECKLIST

Please refer to page 7-8 for details on inspections.

This checklist is to assist you in your inspection program.

As you are making the inspection, enter "S" for satisfactory, or "R" for repair and replace.

INSPECT ALL ITEMS FOR EACH CURTAIN					
ELECTRIC WINCHES					
#1	#2	#3	#4	#5	#6
CABLE PULLEYS					
#1	#2	#3	#4	#5	#6
TOP CURTAIN CONNECTIONS					
#1	#2	#3	#4	#5	#6
HOISTING CABLES					
#1	#2	#3	#4	#5	#6
BOTTOM CURTAIN POCKET PIPES AND CLAMPS					
#1	#2	#3	#4	#5	#6
FABRIC					
#1	#2	#3	#4	#5	#6

INVENTORY AND INSPECTION

Inventory parts listed on the packing list to ensure parts required are accounted for. Inspect all components for possible shipping damage. Report any shortages to Porter's Customer Service Department immediately. On visible freight damage, sign as damaged, and file a freight damage claim with the carrier immediately. Failure to report shortages or hidden freight damage directly to Porter's Customer Service Department within three working days will place the financial burden for the missing or replacement parts with the installer or general contractor.

PREPARATION OF ASSEMBLY AREA

Moving the curtain after assembly is both difficult and awkward. For that reason, the assembly of the curtain should take place below or near the curtain overhead support location. The floor should be protected with a suitable material, covering the entire length of the curtain in the assembly area to prevent damage to the floor or curtain. In addition, the floor and the covering must be free of any debris generated from assembly procedures prior to fabric installation.

TOOLS / EQUIPMENT REQUIRED

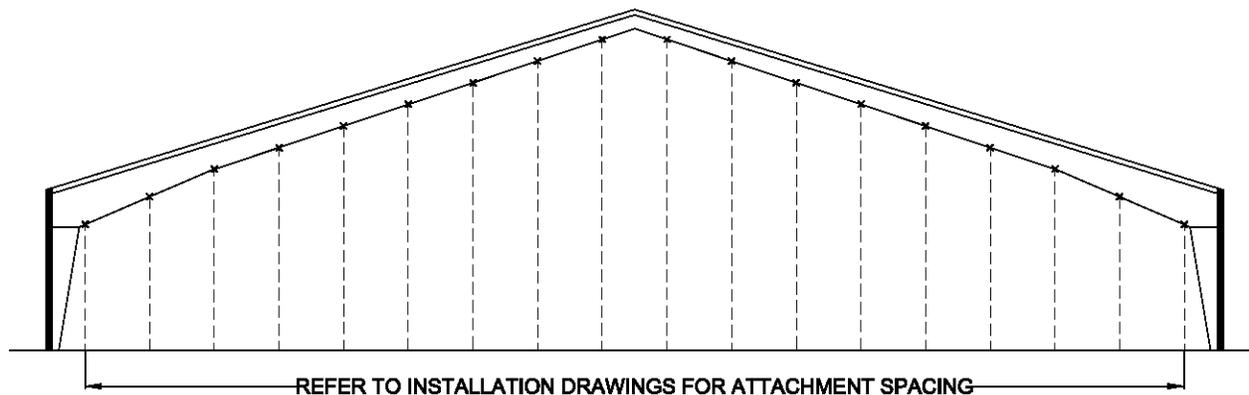
To Be Provided by the Installer:

- Scaffold or Lift
- Hand tools: wrenches, electric drill, drop cord, vise grip pliers, etc.
- CSM12E 3/4" (19mm) Strut Channel Socket 1/2" Drive for 2-7/16" or 3-1/4" Deep Channel
- Bolt Cutter
- Cable Cutter
- Measuring tape, Laser Measuring Device
- Level, Plumb Bob, Laser Plumb
- Ropes & Pulleys
- 208V 3-phase Electric Power must be available, and must be final hook up during installation.



MODEL NO. 5065 FORM-FOLD[®] DIVIDER CURTAIN INSTALLATION INSTRUCTIONS

1. Open all boxes and cartons. Using the packing list provided, crosscheck items against it to ensure you have everything needed for installation. If a shortage occurs, contact Porter Customer Service for assistance toll-free at (888) 277-7778.
2. Refer to the installation drawing plan view to determine the exact position of divider curtain(s) relative to building structure. Mark the location of the curtain along the floor. Using a laser or plumb bob, mark several points along the roof structure where the curtain will attach.



3. Mark the curtain operator support locations per the dimensions indicated on the job specific installation print. Be certain to verify the location of the curtain, per the architectural prints. If the curtain is to be located on a court centerline, be sure to consult with the architect's "Court Striping Plan." Failure to do so may result in relocating the curtain at the **Installer's expense! This step is critical!**
4. Coordinate with the general contractor or site superintendent to ensure that the 3-phase power requirements are available and ready to install. Schedule your installation accordingly to be certain that when the motor is installed that the electrician will hook it up right away to not delay the installation. See wiring layout provided with installation drawings for final wiring layout.

SUPPORT ASSEMBLY DETAILS

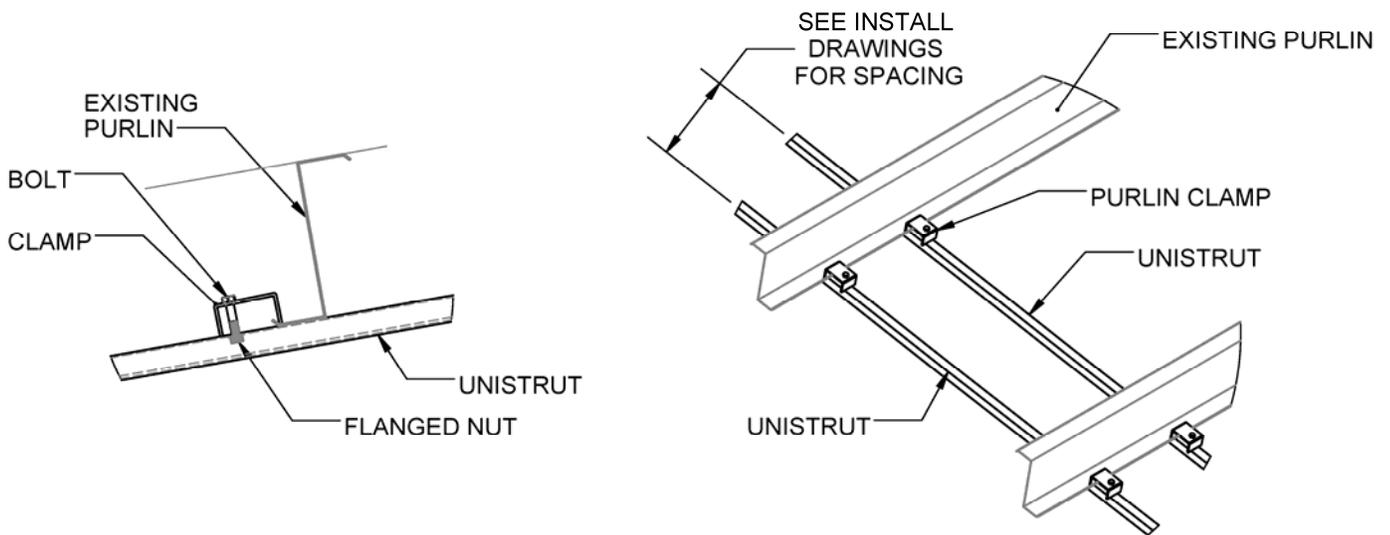
5. Attach unistrut supports to building structure.

Purlin Attachment:

The unistrut is attached by clamping over the top of the purlin as shown below.

Use the CSM12E 3/4" (19mm) Strut Channel Socket 1/2" Drive for 2-7/16" or 3-1/4" Deep Channel to tighten the flange nut on the underside of the clamp bolt.

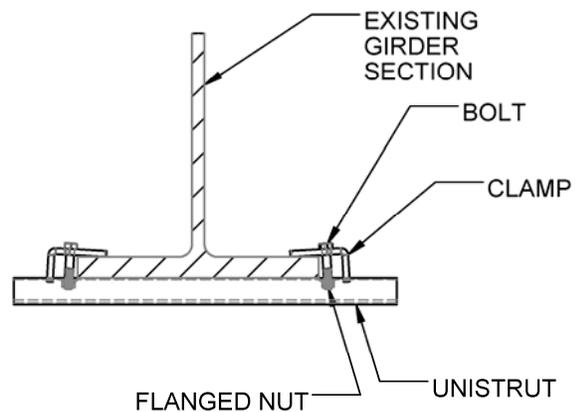
Two unistrut members will be installed parallel to each other, spaced as noted in the installation drawings. There will be a purlin clamp at every purlin at each unistrut member, unless noted otherwise on the installation drawings.



Girder Attachment:

The unistrut is attached with clamps onto the flange of the girder as shown to the right. Use the CSM12E 3/4" (19mm) Strut Channel Socket 1/2" Drive for 2-7/16" or 3-1/4" Deep Channel to tighten the flange nut on the underside of the clamp bolt.

Unistrut sections shall be mounted at spacings no greater than 10'-0" on center unless indicated otherwise on the installation drawings.



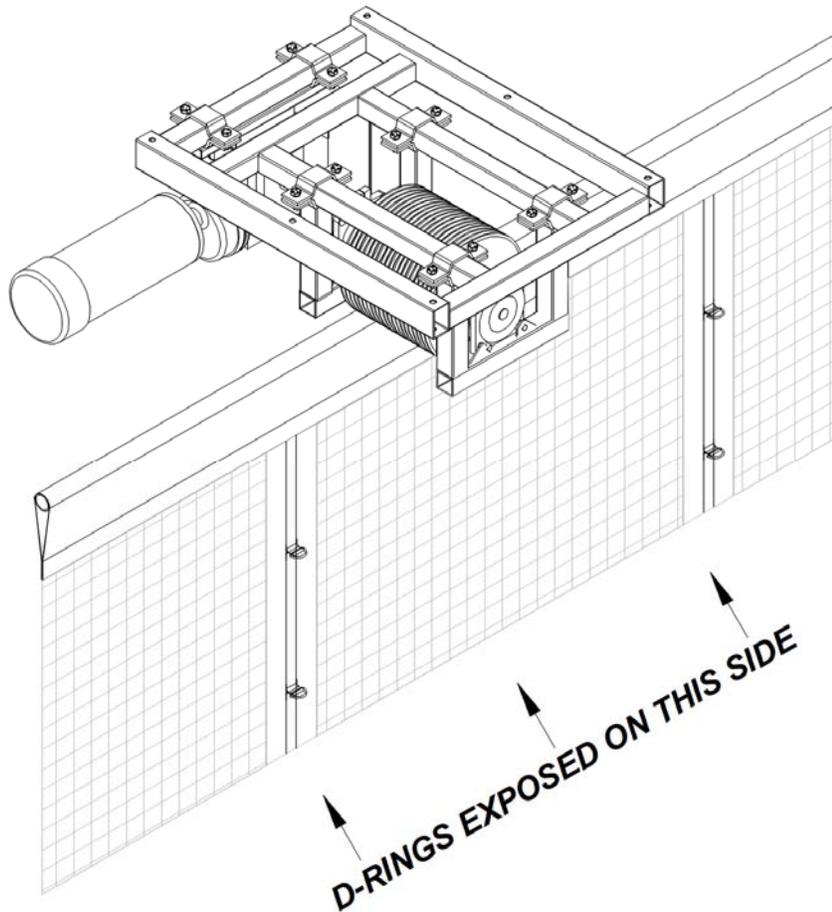
NOTE: alternative supports may be designed for unique structures or layouts such as drop supports that are larger than 36". Follow the installation drawings for all details and layouts.

WINCH INSTALLATION

6. Mount winch and yo-yo pulleys on frame.

Mount frame in center of peaked curtain or end of monoslope curtain. Follow installation drawings.

Be sure to have the curtain operator oriented exactly as indicated on the installation drawing. The yo-yo pulley must align with the cable pulleys. Depending on the field conditions, the curtain fabric may not be symmetrical. ***CRITICAL NOTE:*** improper layout of hardware and curtain may result in relocating the curtain at the Installer's expense!



Once mounted, join the yo-yo pulley shaft with the gearbox shaft using the duplex chain provided. Note the instructions on the yo-yo pulley block for arrow 'UP' as well as the rotation direction for raising the curtain. Be cautious with the parts as they are small and difficult to find if dropped. Maintain the arrow 'UP' pointing to the roof, and then lock the chain closer. Be sure to confirm that the chain closer locking plate is in the grooves of the pins.

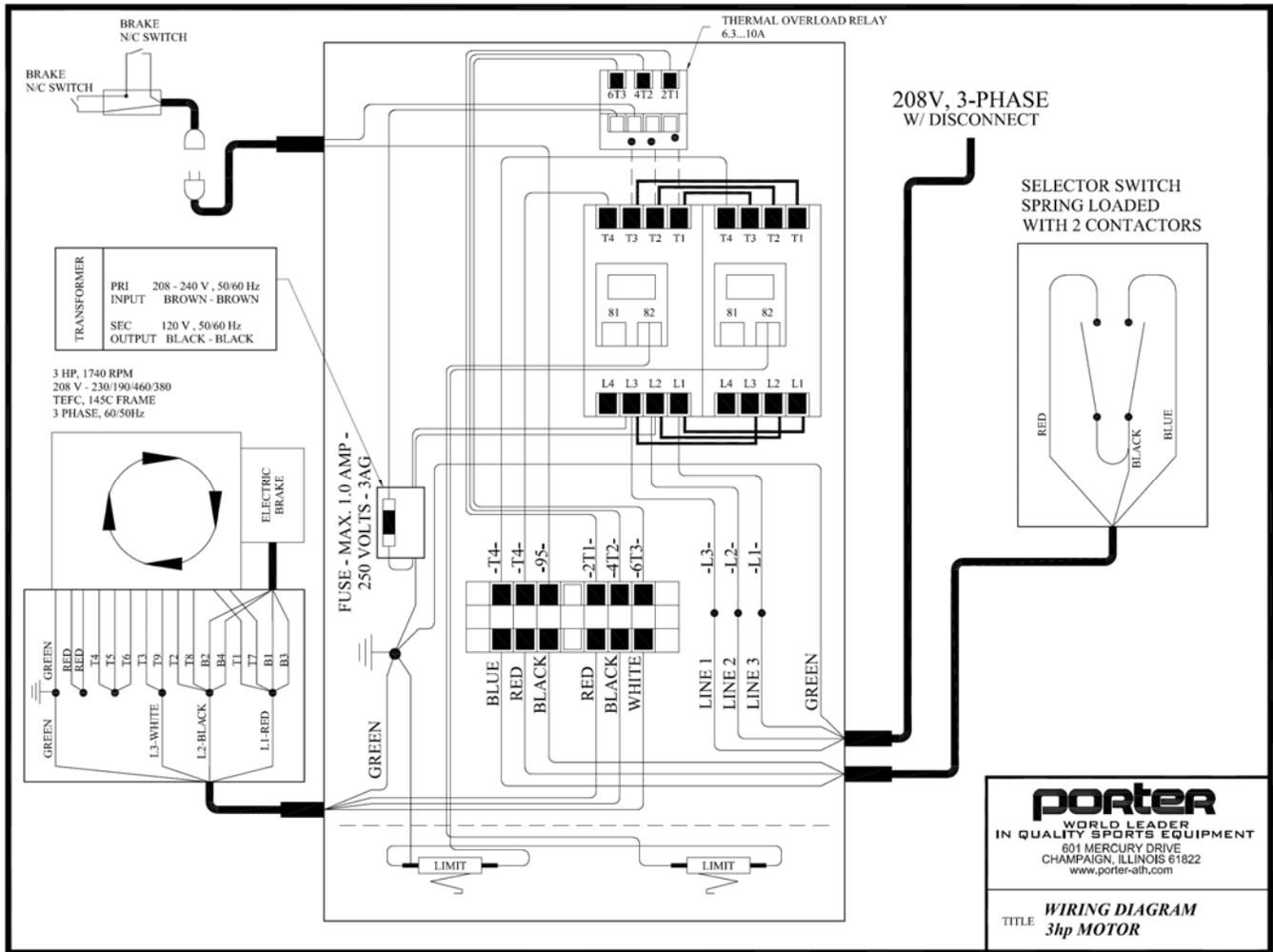
Once joined, release the shaft collars and shift yo-yo pulley block into position, if necessary. Follow the layout provided on the installation drawings.

Testing the limits vs. phasing should be performed as soon as possible after mounting. Coordinate with electrician to hook up final power supply, and follow limit switch instructions on page 23.

WINCH WIRING DIAGRAM

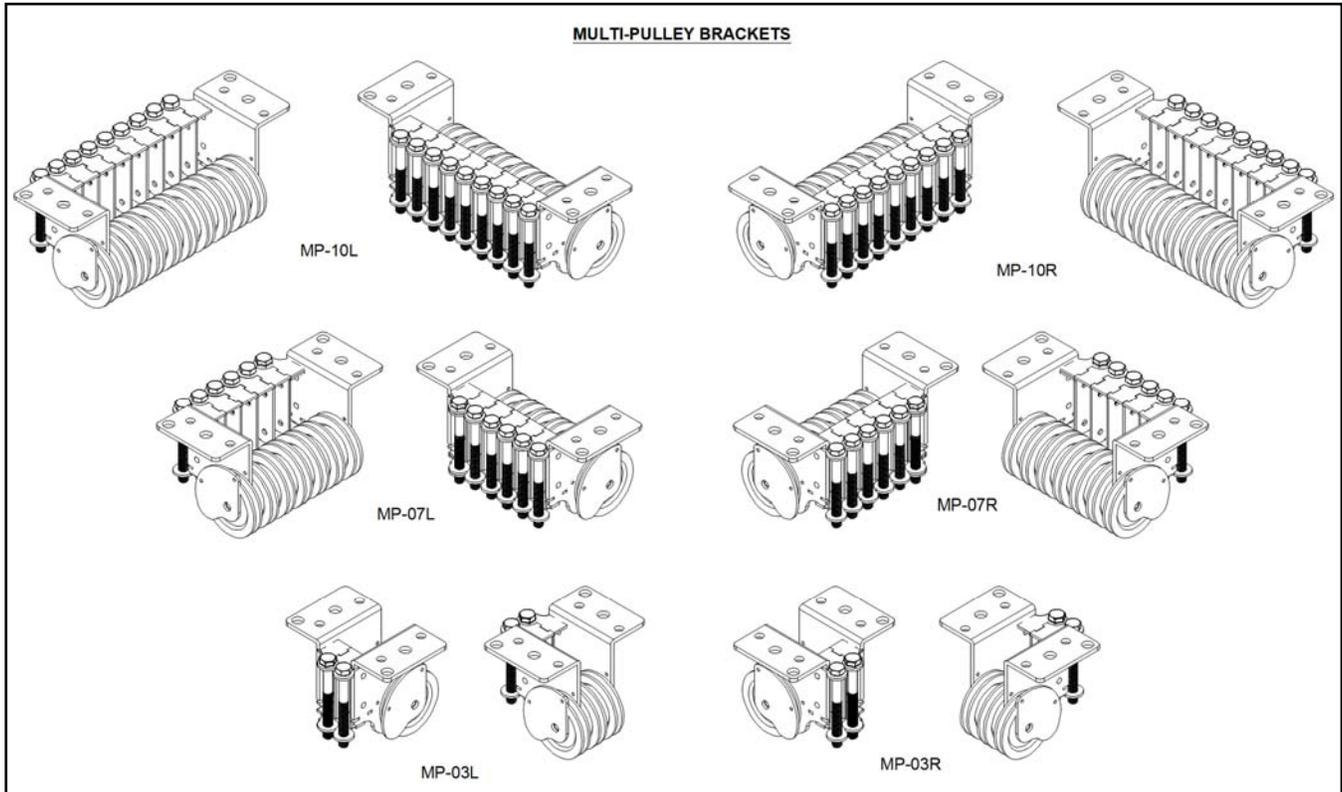
4 wires of 208V, 3-phase power should be provided by the electrician within 6 feet of the location of the curtain operator (winch). In addition to power wiring, there should also be three low voltage control wires run to the key switch or control system relay panel.

Typical wiring layout below (follow wiring layout provided with installation drawings as it may vary from this illustration.).

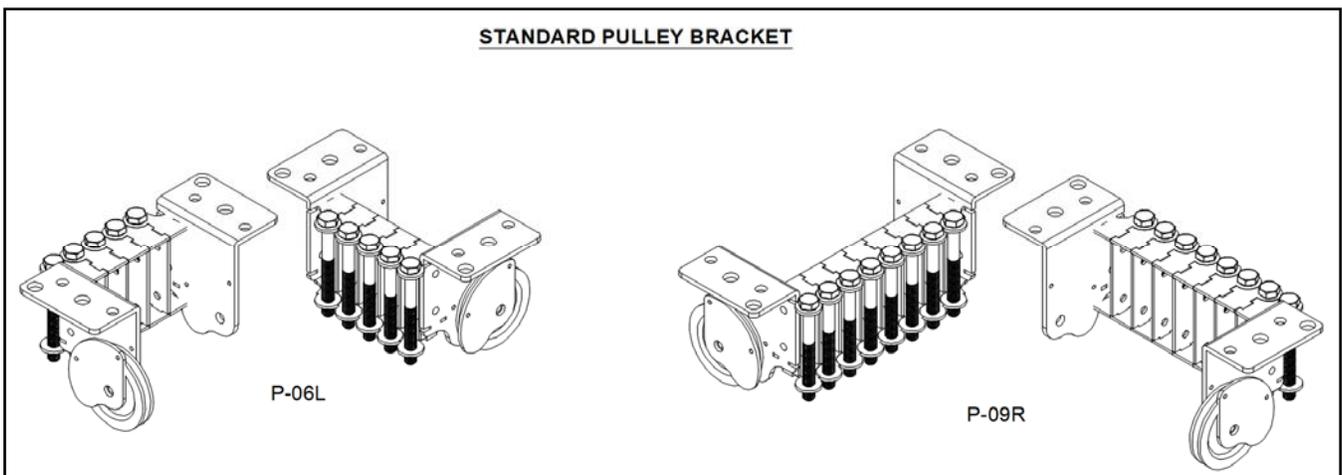


TYPICAL PULLEY CONFIGURATIONS

Multi-pulley: This will be the pulley assembly adjacent to the winch assembly. It consists of several pulleys and guides. Some or all of the guides on the multi-pulley may be narrower than others depending on the layout of the system. Below are some samples of different size multi-pulley assemblies.

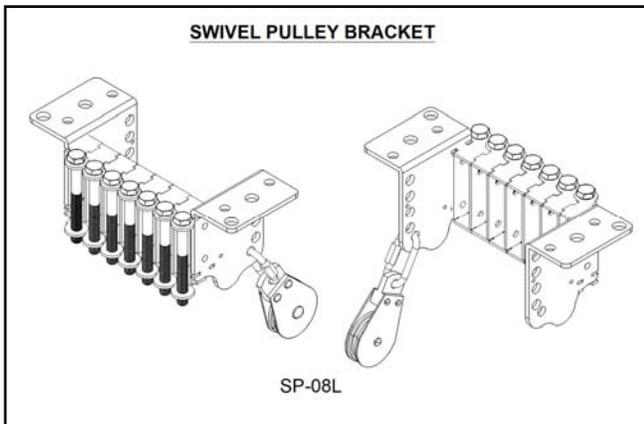
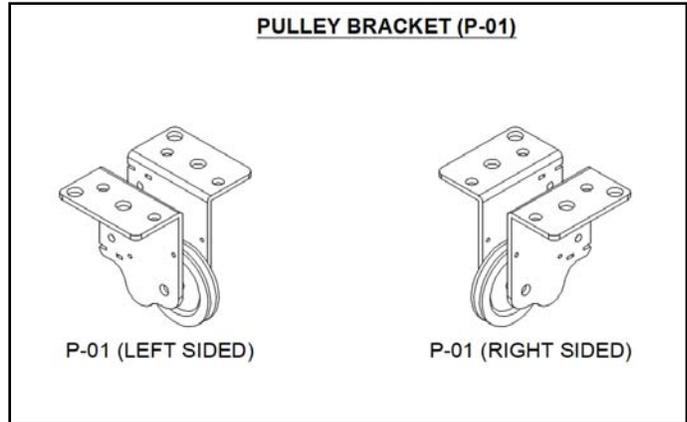


Standard Pulley guide: This will be the majority of the curtain pulley assemblies with varying number of guide spacers. Follow the pulley guide layout provided on the installation drawings.



TYPICAL PULLEY CONFIGURATIONS

Pulley guide with only 1 pulley can be located in varied locations, but they are most commonly found at the end (low) of the hardware layout and they are associated with the mobile pulley (found on pages 19-21).

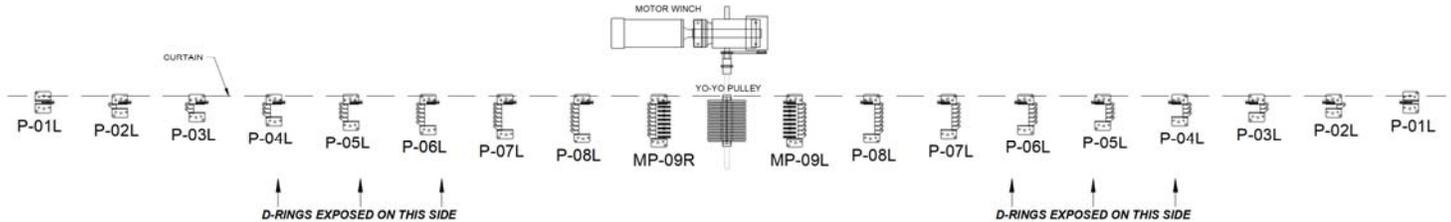


Swivel pulley guides are commonly found on cage installations, however they can also be used for sloping structure layouts to allow for flexible pick up points.

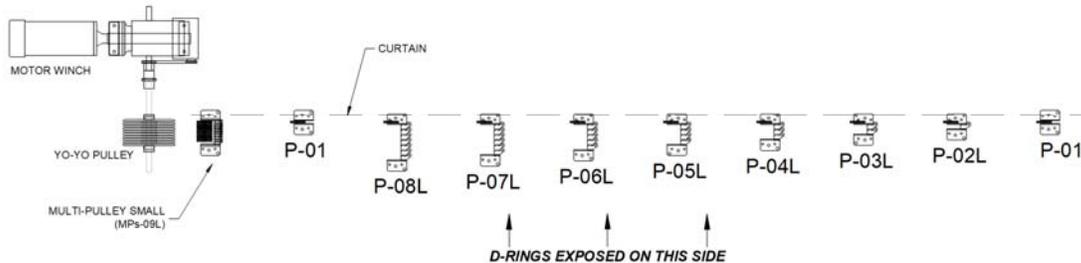
PULLEY INSTALLATION

7. Arrange the support assemblies by number of rollers. Note that supports at each end typically have only one pulley and then increase by one roller at each support as the cable lines progress towards the winch. Cable alignment is critical to provide proper cable wrap on drums. Refer to details in drawings for support pulley configuration, and detail below for typical layouts.

CENTER MOTOR WINCH - FLAT, ARCH, AND PEAK SETUP



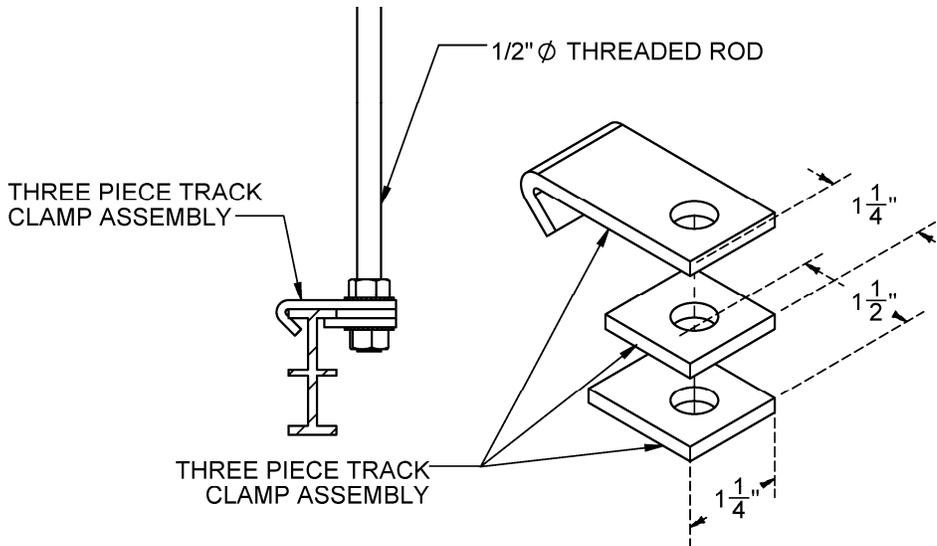
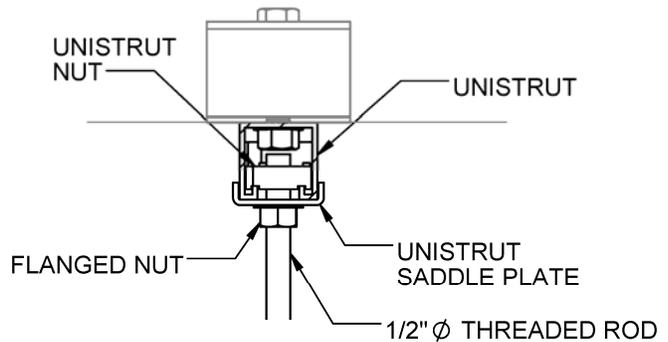
SIDE MOTOR WINCH - SLOPED CURTAIN



8. Locate and install the support assemblies in accordance with the installation drawing. Be sure to have all the pulleys facing in the same direction as the winch hub assembly. This will ensure proper cable routing and proper curtain operation.
9. All drop pulleys must be aligned as shown in details above. Pulley/Guide configurations depend on design of curtain. When the curtain is lowered the pulleys will not be aligned with cable guides on fabric. Mobile pulleys will align the grommets to the stationary pulley when curtain is raised.
See pages 19-21 for more info on mobile pulleys.

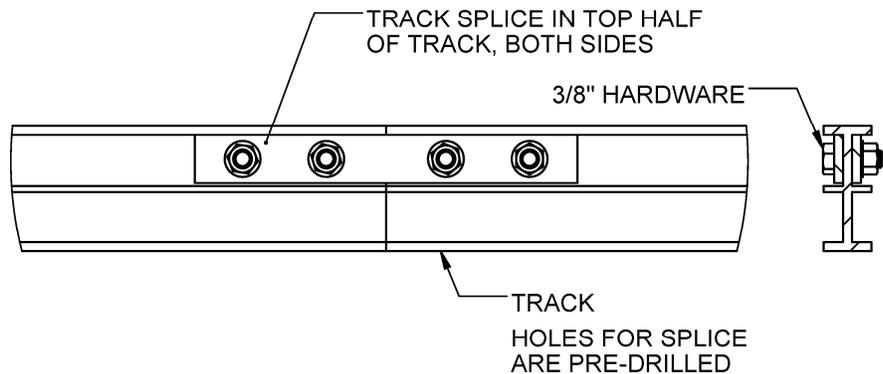
TRACK INSTALLATION

- Drop track from unistrut. Attach threaded rods to unistrut with unistrut nuts as shown at the right. Threaded rods may be at an angle relative to the floor.
- Secure track to each threaded rod with track clamp and two 1/2" diameter flange nuts at bottom of threaded rod. Each track clamp consists of three parts assembled in the order shown in the detail below.

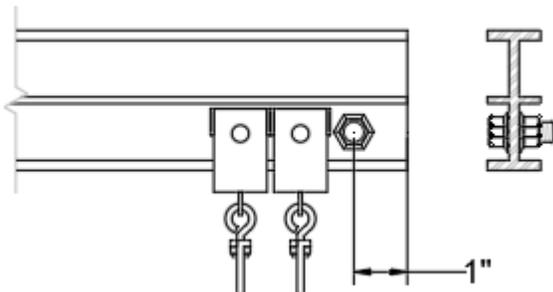


Track sections are pre drilled with holes for splices and end stops. Ensure track sections are ordered and oriented correctly for installation to avoid having to drill additional holes through track in field.

- Track sections are typically 20'-0" long. Splice track sections as necessary. Each splice shall have two splice plates and four bolts. See detail at right.



NOTE: do not substitute for any other bolts. The splice must be assembled with 3/8" bolts that are 3/4" long with thin nyloc in order to not interfere with the mobile pulleys.



- Slide all chain guides and mobile pulleys onto the track. Secure guides onto track with bolt at least 1" from the end(s) of the track(s). Holes for these stops should be pre-drilled. See detail at left.

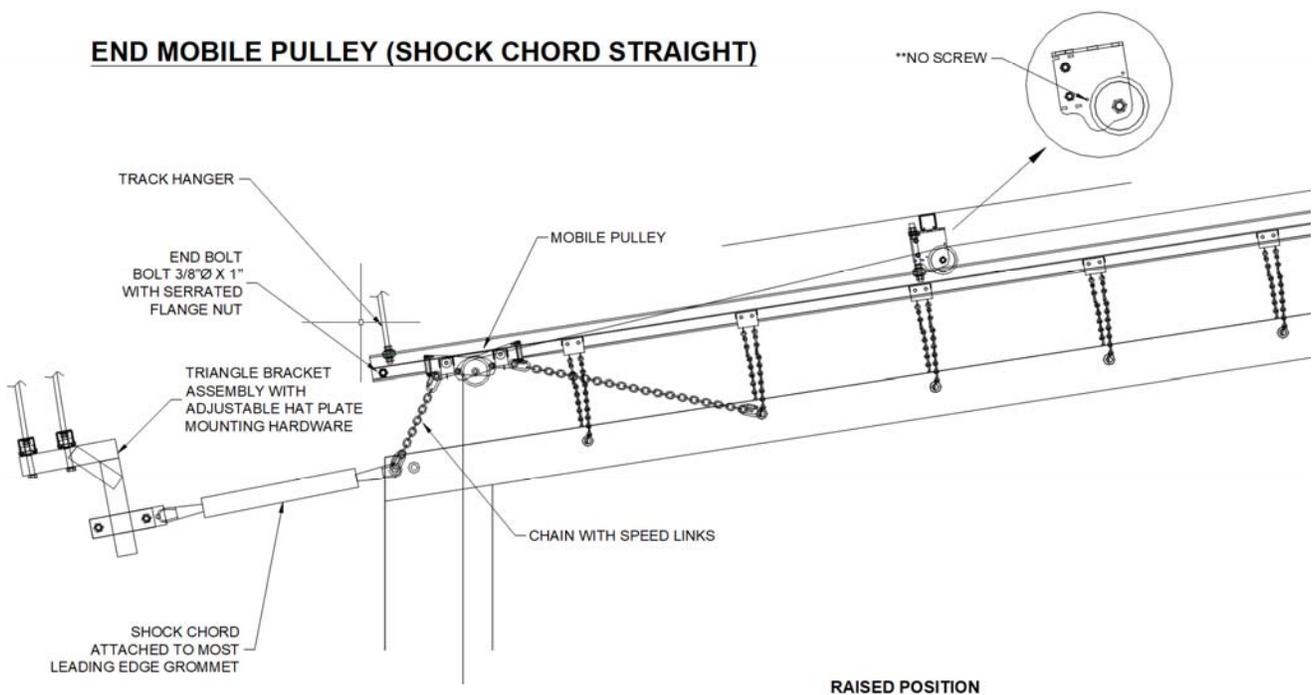
Certain applications require multiple locations of track bolts, follow installation drawings.

MOBILE PULLEY INSTALLATION

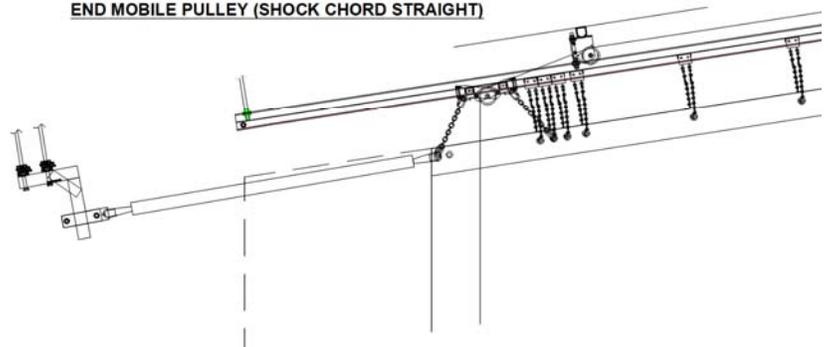
Check the installation drawings for the number of mobile pulleys on the curtain. There may be one or more mobile pulleys depending on the size and shape of the curtain. Ensure the correct number of chain guides are between the mobile pulleys. The mobile pulley for the end D-ring/grommet line of the curtain shall have a spring connection to keep tension on the pulley at all times. See details below for spring to curtain attachment and cable routing to the mobile pulley examples. Layout may vary, follow installation drawings.

CRITICAL NOTE: cable path should never make contact with any metal surface. Be sure to align cable and pulley guides so that the cable path is direct in line with mobile pulley.

CURTAIN IN LOWERED POSITION



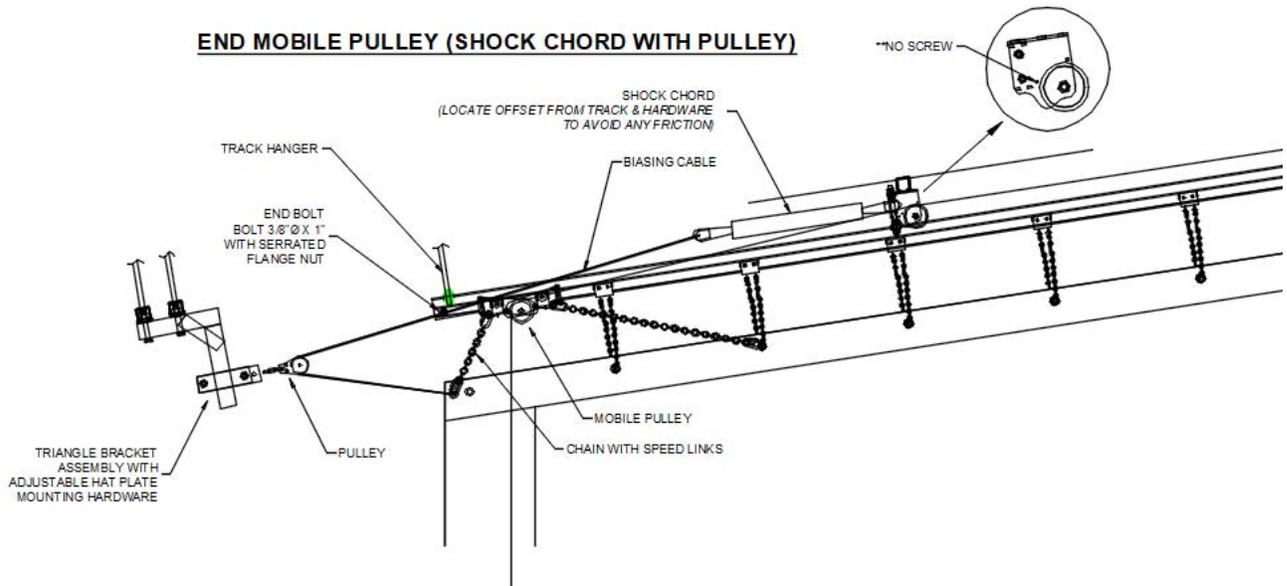
END MOBILE PULLEY (SHOCK CHORD STRAIGHT)



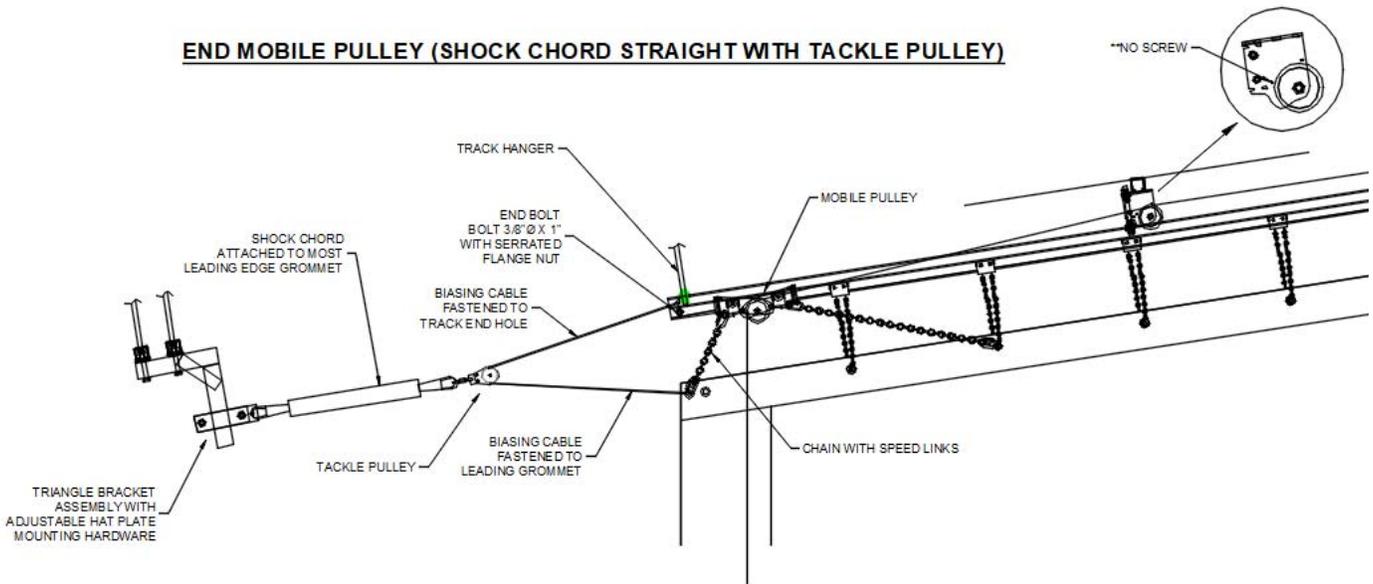
****CRITICAL NOTE: ALL THREADED RODS NEED TO BE TRIMMED FLUSH WITH THE FLANGE NUT TO AVOID CONTACT WITH MOBILE PULLIES.**

MOBILE PULLEY INSTALLATION

END MOBILE PULLEY (SHOCK CHORD WITH PULLEY)



END MOBILE PULLEY (SHOCK CHORD STRAIGHT WITH TACKLE PULLEY)

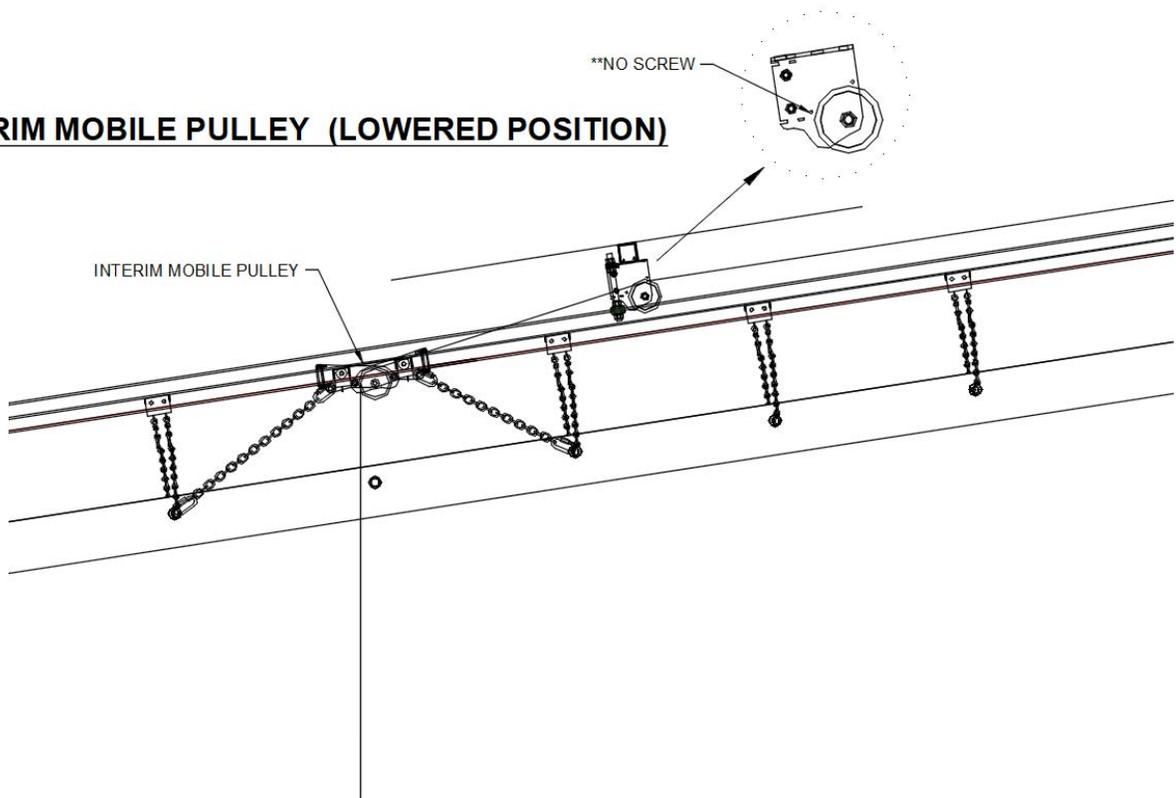


****CRITICAL NOTE: ALL THREADED RODS NEED TO BE TRIMMED FLUSH WITH THE FLANGE NUT TO AVOID CONTACT WITH MOBILE PULLIES.**

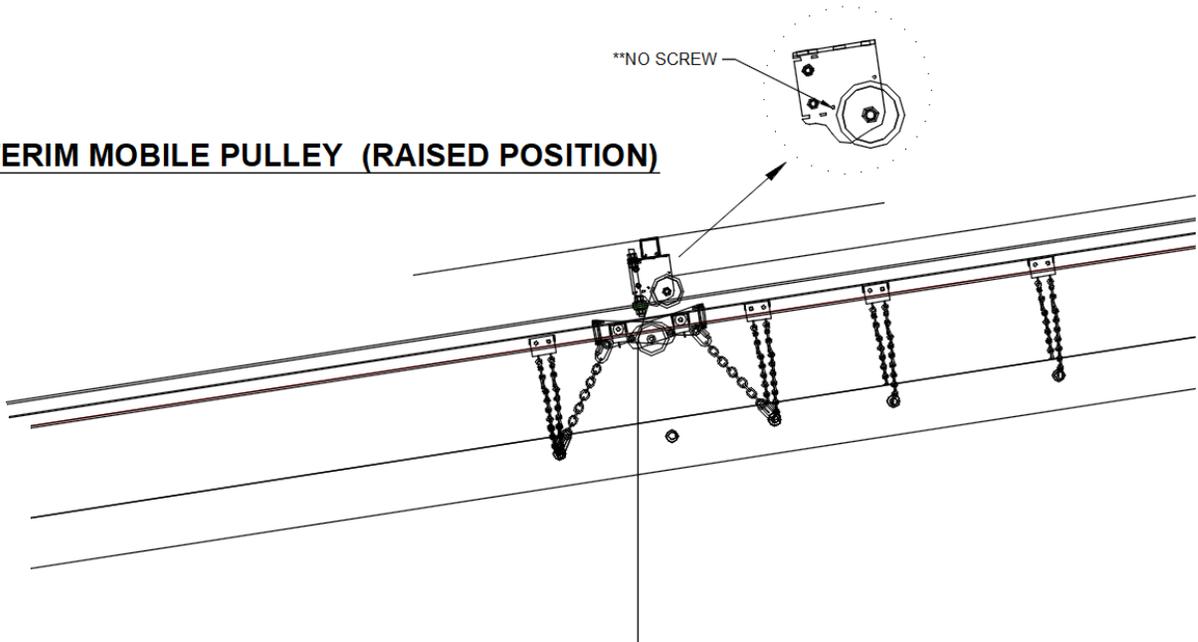
MOBILE PULLEY INSTALLATION

Intermediate mobile pulleys should be directly below the cable guide pulley when curtain is raised.

INTERIM MOBILE PULLEY (LOWERED POSITION)



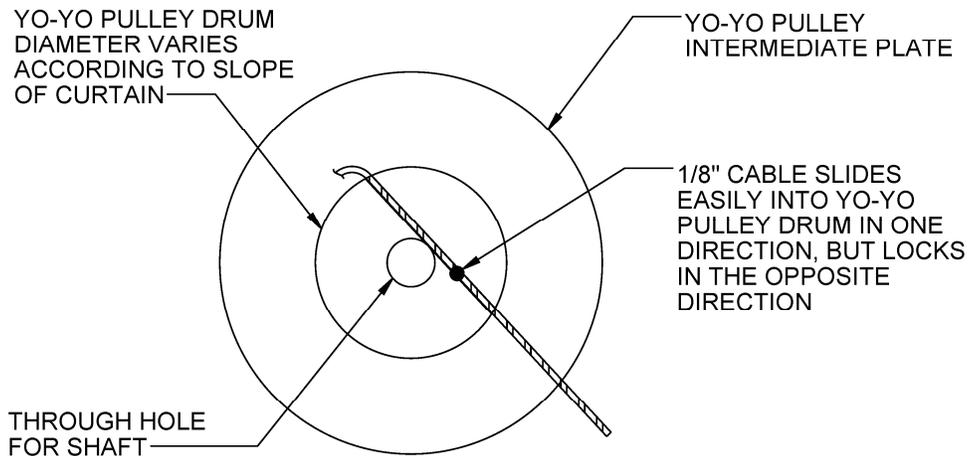
INTERIM MOBILE PULLEY (RAISED POSITION)



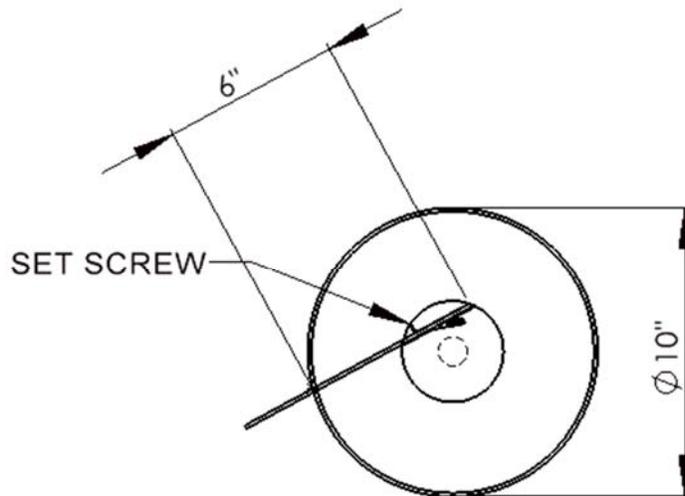
****CRITICAL NOTE: ALL THREADED RODS NEED TO BE TRIMMED FLUSH WITH THE FLANGE NUT TO AVOID CONTACT WITH MOBILE PULLIES.**

CABLE INSTALLATION

1. Cable for entire curtain is supplied in one spool and is to be cut on site.
2. Pull cable from ground up to drop pulley and run through guides to winch drum (yo-yo pulley).
3. As seen below there are arrows drawn on cable drum. These arrows indicate the attachment point for the cable. Upon shipment there will be a place holder cable in the drum. Remove this cable by pulling the far side of the cable until the end is flush with the entrance hole. Then begin to lead the main cable into the drum from the opposite side.



CABLE INSTALLATION



4. For 10" OD drum assemblies, insert 1/8" diameter cable 6" to engage cable catch mechanism. Inserting more than 6" should not be necessary and may cause the cable to extend past the edge of the inner drum. For every 1" increase in outer cable diameter, increase cable insertion length by 1/2"
5. If the cable is unintentionally inserted too far, it can be pulled all the way through and re-inserted.
6. Once the cable is seated appropriately in the catch mechanism, tighten the 3mm set screw with a 1.5mm hex (allen) driver.
7. Once main cable is fully secure in drum, begin to wrap cable. Ensure cable does not extend past opening in far side of drum as that will prohibit the cable from properly wrapping around drum.
8. Run cable twice around drum before setting limit switches for the down position. When curtain is fully lowered cable should be wrapped twice around drum.
9. Once all cables at drum assembly have been properly attached, go back to floor and allow 5-10' of cable after point of contact with the ground (this allows for cable maintenance in future).

SETTING LIMIT SWITCHES

Allowing the motor to operate beyond the limits will damage the control box and limit switches.

3-phase limit switch instructions

The motor is pre-assembled with a mounting bracket, worm gear transmission, tension bolt, and control box with limit switches.

The limit switches are factory set to allow the motor to rotate in either direction 2 times. Once the nuts reach the limit switch, it should cut the power for the control circuit in that direction.

CRITICAL NOTE: if the 3-phase power supply is not in phase with the limit switches, the nuts on the shaft will pass beyond the micro-switches and break them. Testing the phasing of the limits is a critical during installation.

Testing the limits (request that the electrician remain nearby during testing)

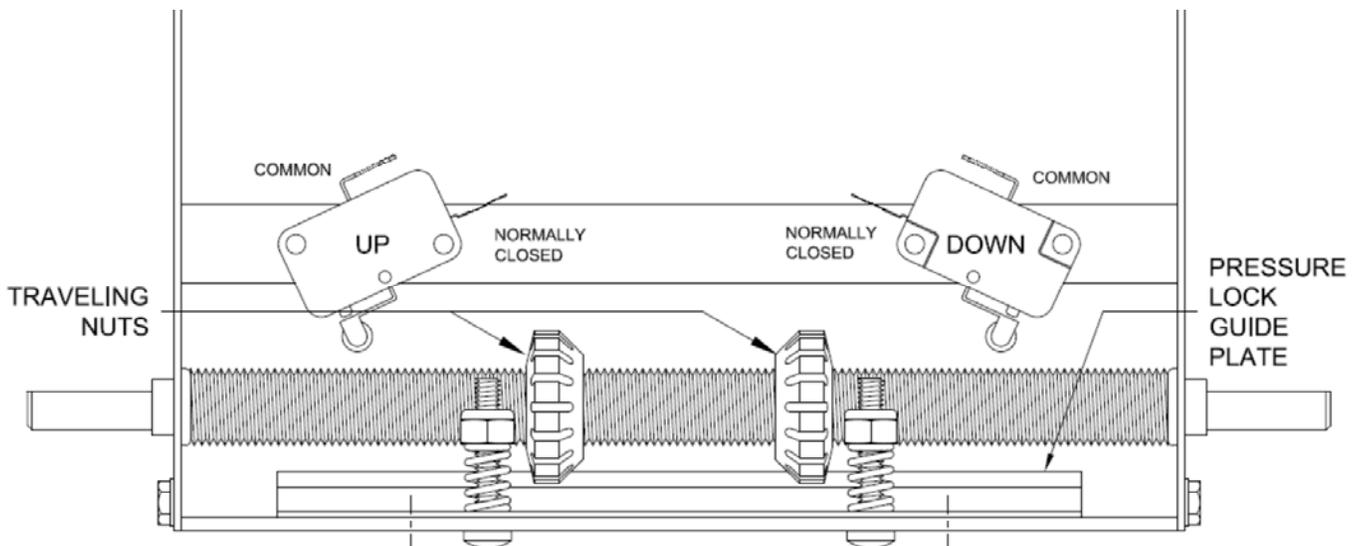
Once the power is hooked up to the motor unit, actuate the motor in any direction. It should rotate 2 times and stop upon engaging a limit. If the motor does not stop, release the key and attempt to engage the motor in the opposite direction. If the motor does not rotate in the opposite direction the phasing is incorrect. Ask the electrician to shut the power off to the circuit and reverse the phases by changing any 2 of the 3 leads. Once reversed, turn power back on and try to engage in either direction. Follow the same steps, engage the switch in one direction and it should stop upon engaging a limit. Once it engages the limit, turn the key for the opposite direction. The motor should operate 2 rotations and engage the other limit and stop.

Ensure that both limits operate correctly by testing the motor in both directions once more. Turn the key for one direction and operate until the unit stops by itself with the limit switch, and then turn the key the other direction and operate until the units stops by itself with the opposite limit switch.

Setting the Limits

Once the cables are hooked up to the yo-yo pulley, actuate the motor 2 rotations in the up direction, and set the lower limit. This will be the official lower limit and should not be changed. The yo-yo pulley is designed to use this diameter start on each pulley calculated with the 2 rotations only.

Depress the pressure lock guide plate and rotate the travelling nut towards the lower limit switch in order to set the limit. Once located, operate the unit in the up direction for 4 rotations (make sure to keep count) and then reverse the direction and count the 4 rotations to confirm that the lower limit is in the right place and operates normally.



RAISING THE CURTAIN

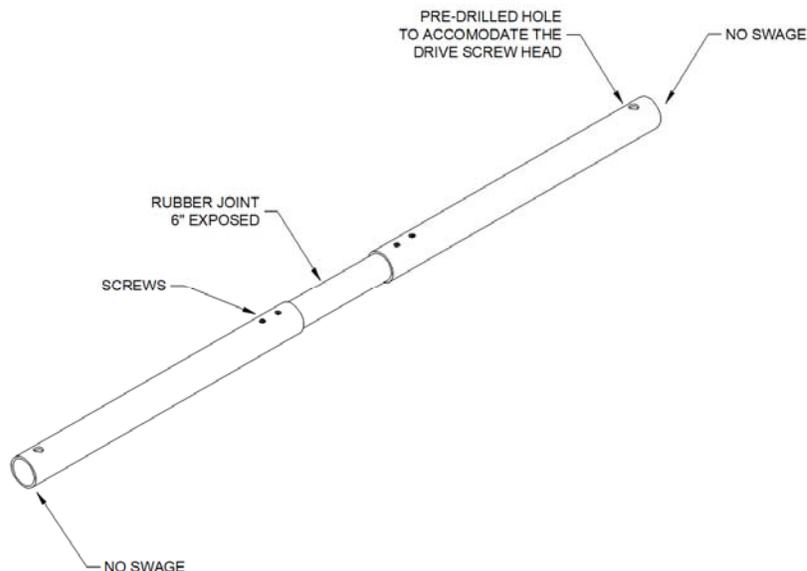
1. Lay the curtain across the field/floor making sure to locate the correct side with d-rings.
2. At each lifting point on the curtain, attach the lifting cable to the top grommet of the take up line.
3. With cables attached to the D-rings, energize the winch to lift the curtain so that the top hem is within reach of the track/chains. This should be somewhere between 6" and 36" from the bottom of the track.
4. Unhook each chain from carriers on track support and thread the chain through the grommets running along the top hem of the curtain. Do not close the chains as there may be some adjustments needed.
5. Curtain fabric should also maintain an equal distance of two to three inches above the finished floor along its entire length.
6. Once hanging with bottom pocket level, disconnect the cables from the d-rings and tie a weight to the cable to prevent it from back winding.
7. Engage the winch to lower all cables. Continue all the way to the preset lower limit.
8. Disconnect the weights and begin threading the cable through the d-rings or grommets. All cables should terminate on the same side of the curtain bottom pocket.

BOTTOM PIPE INSTALLATION

1. Begin by laying out all the bottom pipe on the floor in front of the curtain in the layout provided on the drawings.

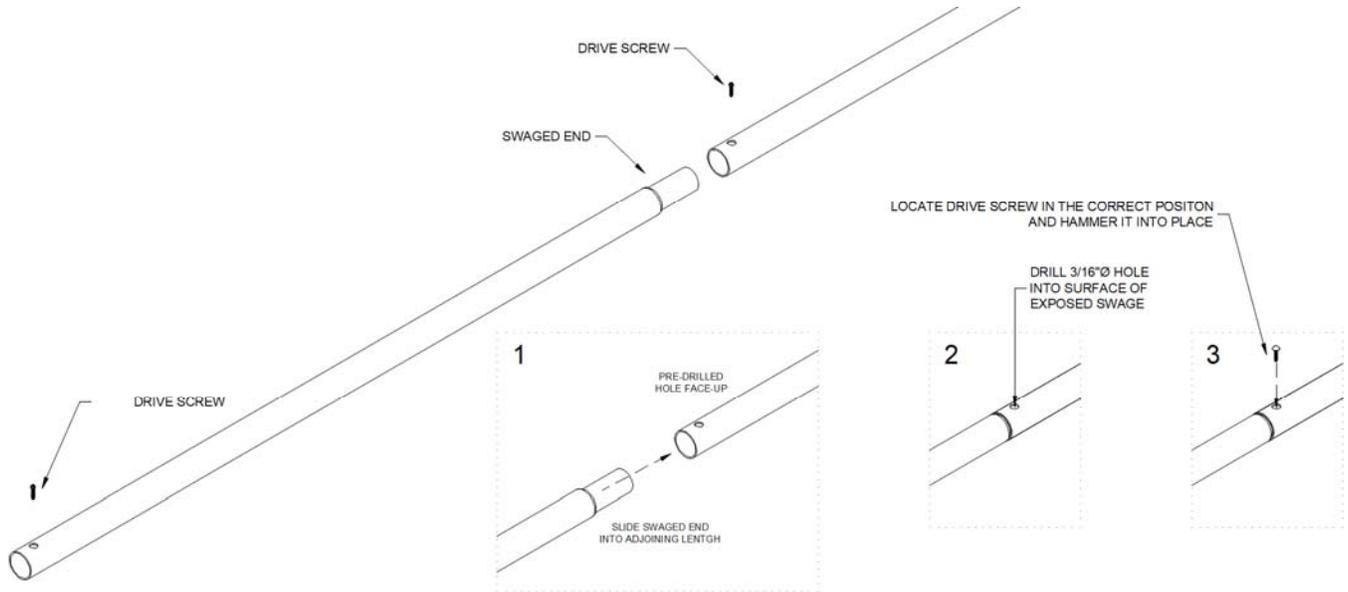
With peaked applications, there is a pre-assembled section with a rubber joint. Inspect the section to ensure that the screws locating the rubber joint are intact and then locate this section of pipe first, as per the layout provided on the drawings, and work away from peak towards ends.

PRE-ASSEMBLED SECTION WITH RUBBER JOINT

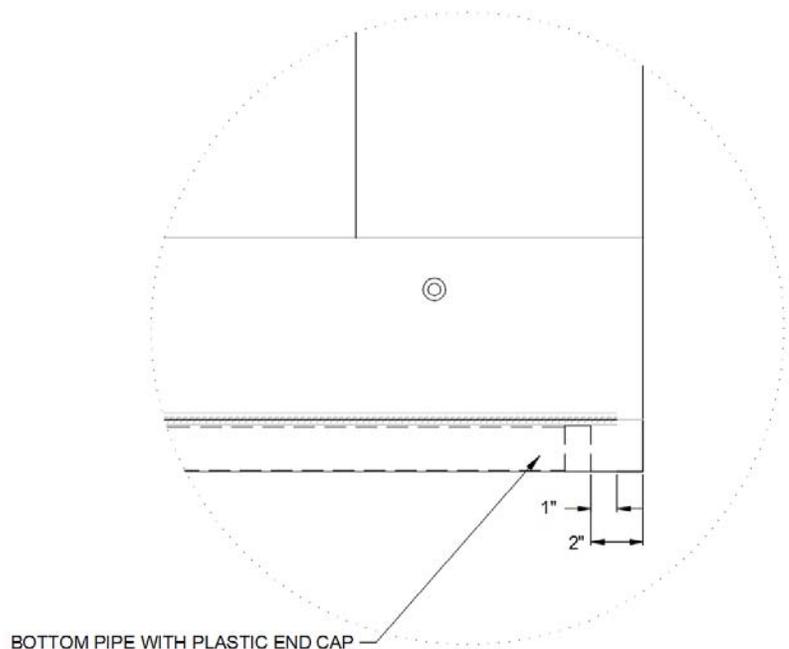


BOTTOM PIPE INSTALLATION

2. The standard length of pipe is 13'-6" long, it has a 3" swaged end that gets inserted into the next piece. The swaged end is not pre-drilled, and the raw end is predrilled for locating the joining drive screw. Slide the swaged end into the adjoining length, maintaining the pre-drilled hole face up, and drill a 3/16" hole into the surface of the exposed swage. Once drilled, place drive screw into hole and hammer it in to place.

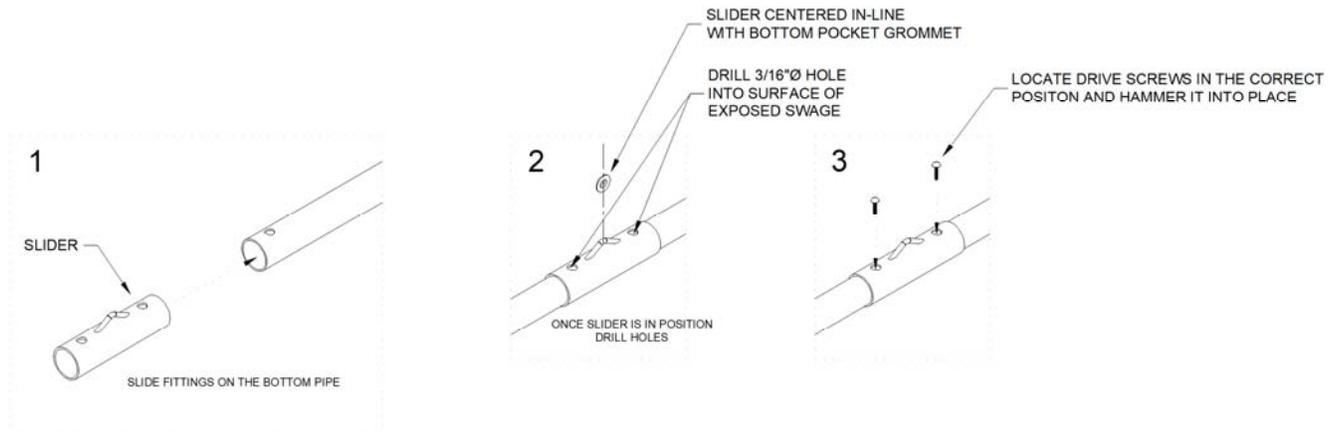


3. Insert one pipe end cap and lift pipe into pocket until it is pressed to the end. Go to the other end of the curtain and confirm if the pipe is long enough. If it is too long, cut the pipe to the appropriate length. The pipe should fit perfectly to the length of the curtain without distorting the pocket ends. If the pipe is too long, it will eventually tear the vinyl end of the pocket. The pipe should be approximately 1" short at both ends of the pockets (this means 4" shorter than the curtain length).
NOTE: on non-flat lift applications, be sure to evenly remove length of pipe at both ends to ensure location of rubber joint for peak.



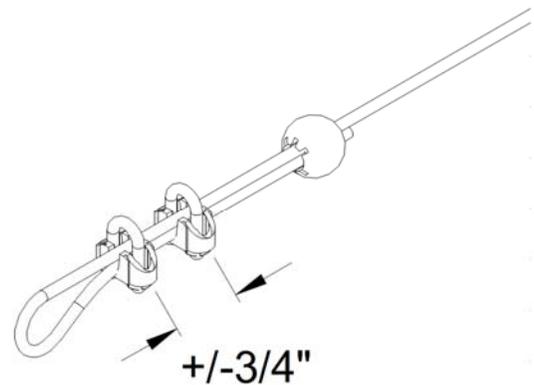
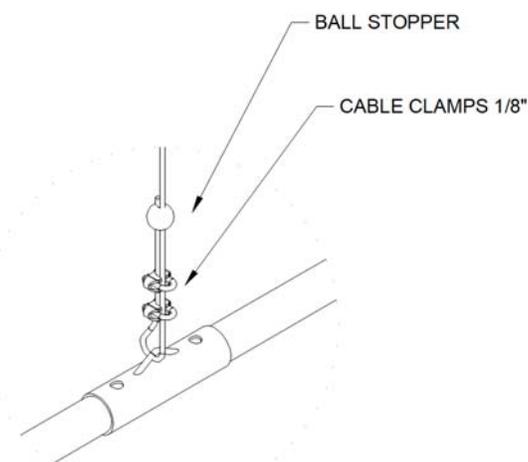
BOTTOM PIPE INSTALLATION

- On non-flat lift applications, bottom pipe sliders are supplied. Slide the fittings on the bottom pipe after the pipe is assembled, locating them according to the layout provided on the drawings. This should be performed once the pipe ends are inside of the pocket and aligning them with the take up lines by following the grommet locations in the pocket. Center the slider with the grommet, drill two 3/16" holes in the locating holes on the slider while keeping all holes face up as you continue along the pipe, and then hammer in to place the drive screws.



- Once all of the pipe is assembled and located (and all of the sliders are located, if applicable), it is recommended to wrap the exposed drive screw locations with duct tape or electric tape.
- Installing the cables on the bottom pipe. The cable will pass through the grommet, wrap around the bottom pipe, and clamp using 2 cable clamps. The ball stopper is to be located on the inside of the pocket to protect the grommet.

CRITICAL NOTE: cable clamps should have the saddle on the load side and be approximately 3/4" apart, and ball stopper above. As per image (right)



- Non-flat lift bottom pipe sliders have a welded hook for the cable to attached to. In this case, the cable is looped around the slider hook and not the pipe. (left)
- Once final adjustments are made, zip the pocket closed. Be careful not to pull too fast or hard in the case that the slider snags as this could brake the slider.

CAUTION

Zipper slider will heat up and break if pulled too quickly. Do not open/close zipper with any mechanical aid.

CRITICAL NOTE: Do not cut excess cable.

SET UPPER LIMIT & FINAL ADJUSTMENTS

Following the instructions found on page 23, raise the curtain to within a safe distance from the supporting structure and set the upper limit. Lower the curtain a few feet, and then raise it to test and confirm that the upper limit is set and operating correctly.

Operate the system from fully raised to fully deployed, and then back. This should be performed a few times while observing any noises or inconsistencies in the layout. Double check that all cables and hardware are not rubbing or scraping against each lowered or raised positions.

Once all is confirmed, close the hanging chains from the carriers on the track to secure the curtain.

OPERATION INSTRUCTIONS

Demonstrate the operation of this unit to an individual at the site, who is responsible for the safe operation and maintenance of this equipment. Point out safety concerns and the necessity of using a Porter key switch in the event that it has not been installed. Go over each operational instruction in this manual, ensuring the individual is clear in understanding the forces developed by the model No. 5065 divider curtain system, and the necessity of having only trained, authorized personnel operate this equipment. Provide the key switch assembly or Powr-Touch[®] Pad (if not installed) and the additional vinyl material to the individual signing off on the installation of the curtain.

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WITH CALIFORNIA'S PROPOSITION 65:

WARNING

This product contains chemicals known to the
State of California to cause cancer, birth defects

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