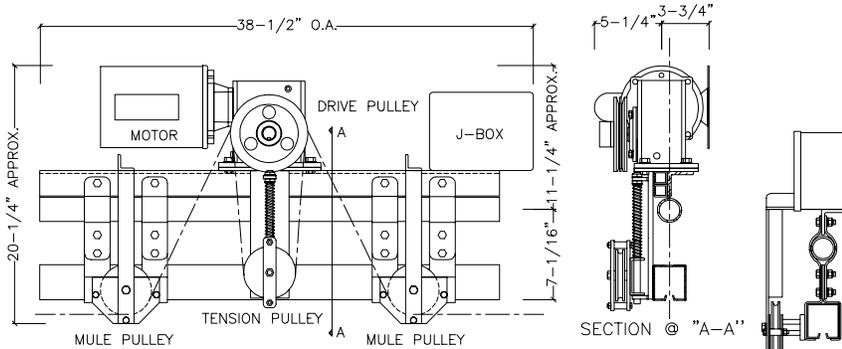
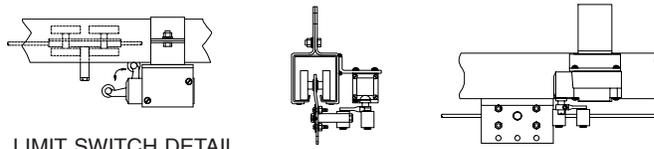


MODEL NO. 462 DRAW CURTAIN MACHINE



Shown mounted to 400 Series Track, specify track when ordering.



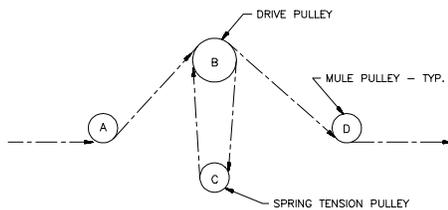
LIMIT SWITCH DETAIL

STANDARD FEATURES:

- Instantly reversing motor.
- Track mounted limit switches.
- Remote mounted Magnetic reversing starter.
- Double V-groove sheave.
- Spring-loaded tension pulley.
- Temporary power supply cord.
- Remote push button station.

OPTIONAL FEATURES:

- Low voltage control circuit.
- Three phase motor and controls.
- 3 or 4-stop limits and controls.
- Variable speed drive and controls.
- Other cable speeds.

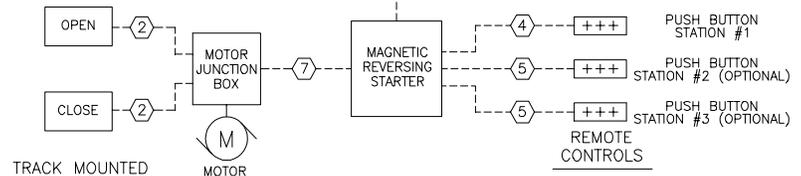


REEVING OF OPERATING CABLE:

1. Reeve cable under sheave "A" to inner groove on drive pulley "B".
2. Next, reeve cable around spring tension idler "C" and around outer groove of drive pulley "B".
3. Finally, reeve cable under mule sheave "D" toward center overlap.

NOTES:

1. DOTTED LINES INDICATE FIELD WIRING.
2. \square DESIGNATES NUMBER OF CONDUCTORS REQUIRED (NOT INCLUDING GROUND OR SPARE WIRES)
3. DISCONNECT (IF REQUIRED) PROVIDED BY OTHERS.



Model No. 462 Riser Diagram

MOTOR	AMPS
1/3 HP	4.4
1/2 HP	6.0
3/4 HP	8.2

TRACK MOUNTED DRAW CURTAIN MACHINE:

Traction drive automatic curtain machine shall be capable of operating curtain between preset "open" and "close" positions at a cable speed of 78 feet per minute. Machine shall be secured to fabricated steel base designed to attach onto 1-1/2" pipe batten above curtain track. Incorporate two 4" steel ball bearing pulleys to align operating cable with curtain track.

Provide 6" diameter cast iron drive pulley with double V-groove machined to accept 3/16" diameter operating cable. Mount pulley to output shaft of gear reducer and secure with keyed steel hub. Install spring-loaded, steel ball bearing pulley to maintain cable tension.

Gear reducer shall be single reduction worm gear type designed for continuous duty. Precision machined alloy steel worm and bronze gear shall operate in an oil bath within a cast housing with dual-lip oil seals on the output shaft to prevent leakage. The gear reducer shall have a AGMA service factor of at least 1.0 for continuous operation.

Unit shall be driven by 1/3 HP*, 115V single phase capacitor motor directly coupled to the input shaft of the reducer. Motor shall be instantly reversing type to allow motor to reverse rotation without stopping. Install junction box on motor with terminal blocks for connecting motor leads and limit switches.

Starter cabinet shall be a separate NEMA 1 enclosure containing all the necessary contactors, circuit breakers, overloads and fuses to provide for reversing operation. Controls shall be automatic with electrical latch to hold run circuit until limit switch is reached or "stop" button is pushed. Provide mechanical and electrical interlocks between contactors to prevent accidental motor reversal. Mount three pushbuttons on cabinet for local "open", "close" and "stop" control. All field connections shall be made through terminal blocks in the starter cabinet.

Provide two track mounted limit switch assemblies to automatically preset desired travel of curtain between "open" and "close" positions.

Supply remote control station consisting of three pushbuttons mounted to stainless steel plate to fit standard single-gang switch box.

Model No. 462-1/3* as manufactured by H & H Specialties Inc.

* 1/2 HP and 3/4 HP motors also available. Consult factory for 462-1 specifications.