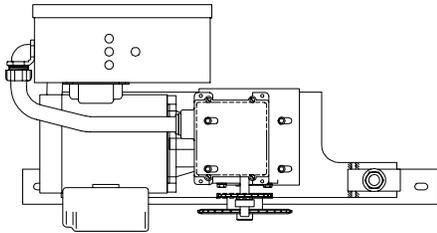
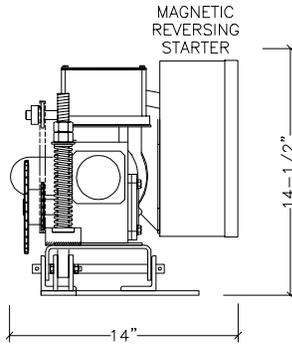
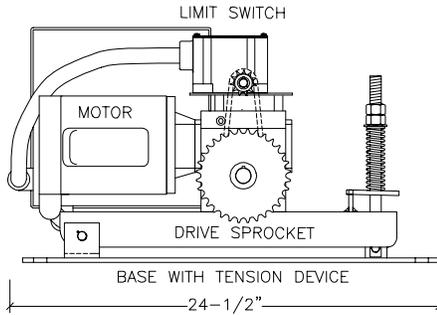


## MODEL NO. 455 MASKING MACHINE



**No. 481 Push Button Station**  
(one supplied with machine)

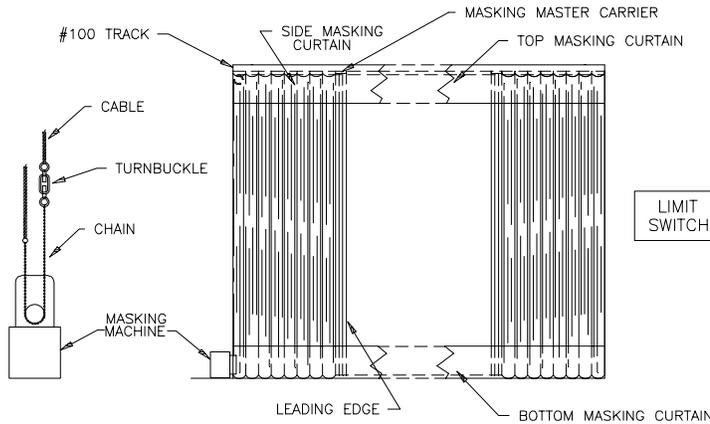


### STANDARD FEATURES:

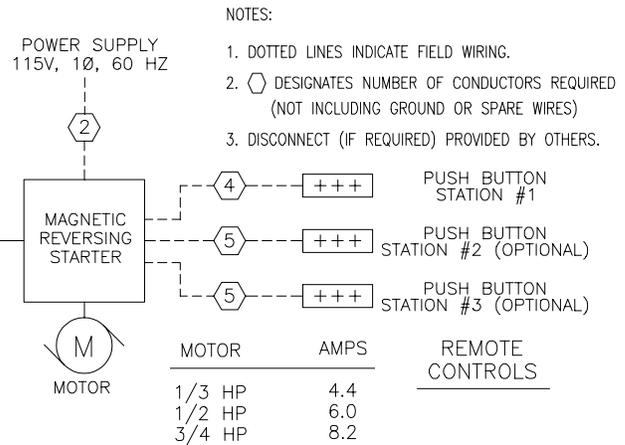
- Instantly reversing motor.
- Rotary limit switch.
- Magnetic reversing starter.
- #41 roller chain sprocket. (#40 sprocket on 3/4 HP machine)
- Temporary power supply cord.
- Remote push button station.

### OPTIONAL FEATURES:

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



**Model No. 455 Schematic**



**Model No. 455 Riser Diagram**

## MASKING MACHINE:

Sprocket drive automatic curtain machine shall be capable of operating curtain between preset "open" and "close" positions at a speed of 54 feet per minute. Secure machine to heavy steel base with integral spring-loaded device to maintain chain 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. Provide ANSI #41\*\* roller chain sprocket keyed to output shaft of gear reducer.

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.

Starter cabinet shall be located at the machine, 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-stop mechanical, rotating shaft limit switch in separate NEMA 1 enclosure. Switch shall employ 72:1 worm gear reduction and shall operate two independently adjustable cams. Each cam shall activate a separate contact block for "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. 455-1/3\* as manufactured by H & H Specialties Inc.

\* 1/2 HP and 3/4 HP motors also available. Consult Factory for 455-1 specifications.

\*\* #40 sprocket provided on 3/4 HP machine.