

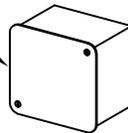
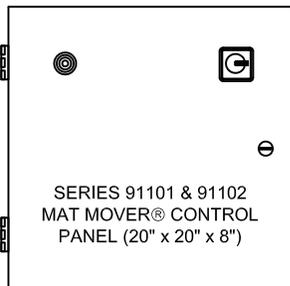
# STATIONARY MAT MOVER POWR-TOUCH® CONTROL WIRING DETAIL

## ELECTRIC WINCH FIELD WIRING DETAILS & REQUIREMENTS

<b>MOTOR SPECIFICATIONS</b> THREE PHASE 1725 RPM
SERIES 91101 & 91102 1 H.P. 3.7 AMP @ 208V 3.4 AMP @ 220V 1.7 AMP @ 460V
SERIES 91105 1½ H.P. 5.3 AMP @ 208V 5.0 AMP @ 220V 2.5 AMP @ 460V

ELECTRICAL CONTRACTOR TO PROVIDE 4" SQUARE x 2½" DEEP JUNCTION BOX WITHIN 3'-0" OF WINCH LOCATION (SERIES 91105 STATIONARY MAT MOVER®)

\* The minimum wire size is dependent on the motor voltage, motor full-load amperage rating, and the total distance from the circuit breaker panel to the field-installed junction box. Consult *VOLTAGE DROP CALCULATION TABLES* to determine the minimum wire size.



THREE-PHASE POWER TO MAT MOVER® CONTROL PANEL OR FIELD-INSTALLED JUNCTION BOX - (4 WIRES)

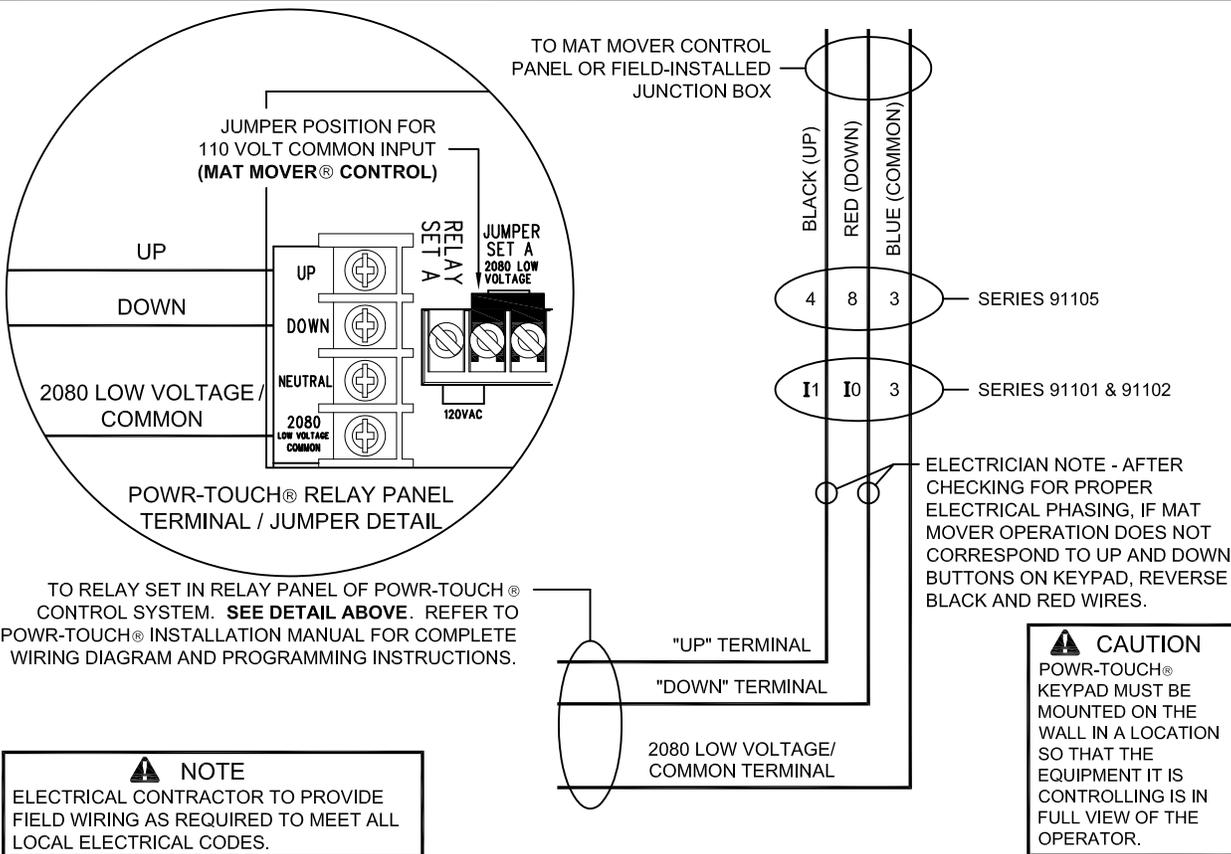
\* THREE PHASE  
60 HERTZ  
POWER SOURCE

- \_\_\_\_\_ L1A (POWER)
- \_\_\_\_\_ L2A (POWER)
- \_\_\_\_\_ L3A (POWER)
- \_\_\_\_\_ GROUND

110-VOLT CONTROL WIRES FROM POWR-TOUCH® RELAY PANEL TO MAT MOVER® CONTROL PANEL OR FIELD-INSTALLED JUNCTION BOX - (3 WIRES)

- \_\_\_\_\_ BLACK (UP)
- \_\_\_\_\_ RED (DOWN)
- \_\_\_\_\_ BLUE (COMMON)

**NOTE: FIELD-INSTALLED JUNCTION BOX PROVIDED BY OTHERS**



**NOTE**  
ELECTRICAL CONTRACTOR TO PROVIDE FIELD WIRING AS REQUIRED TO MEET ALL LOCAL ELECTRICAL CODES.

**IMPORTANT NOTE** - PERFORMANCE OF THIS WINCH IS BASED ON \_\_\_ VOLTS AT MOTOR TERMINALS. VOLTAGES LESS THAN \_\_\_ VOLTS WILL AFFECT HOISTING CAPACITY AND RESULT IN DAMAGE TO MOTOR, THUS VOIDING WARRANTY. **SUBSTITUTION** OF THIS CONTROL SYSTEM WILL VOID ALL WARRANTIES AND WILL RENDER THE OPERATION OF MAT MOVERS UNSAFE.



PROJECT NUMBER \_\_\_\_\_

PROJECT NAME \_\_\_\_\_