

# Quick Start Guide

## Electric Scissor Lift with Epoxy Finish

Model No: BTSL-60-144  
Part Ref: 5010128  
Serial No: V81326

**800-454-7159**



**BEACON INDUSTRIES INC.**

Parts Department

12300 Old Tesson Road | St. Louis, MO 63128  
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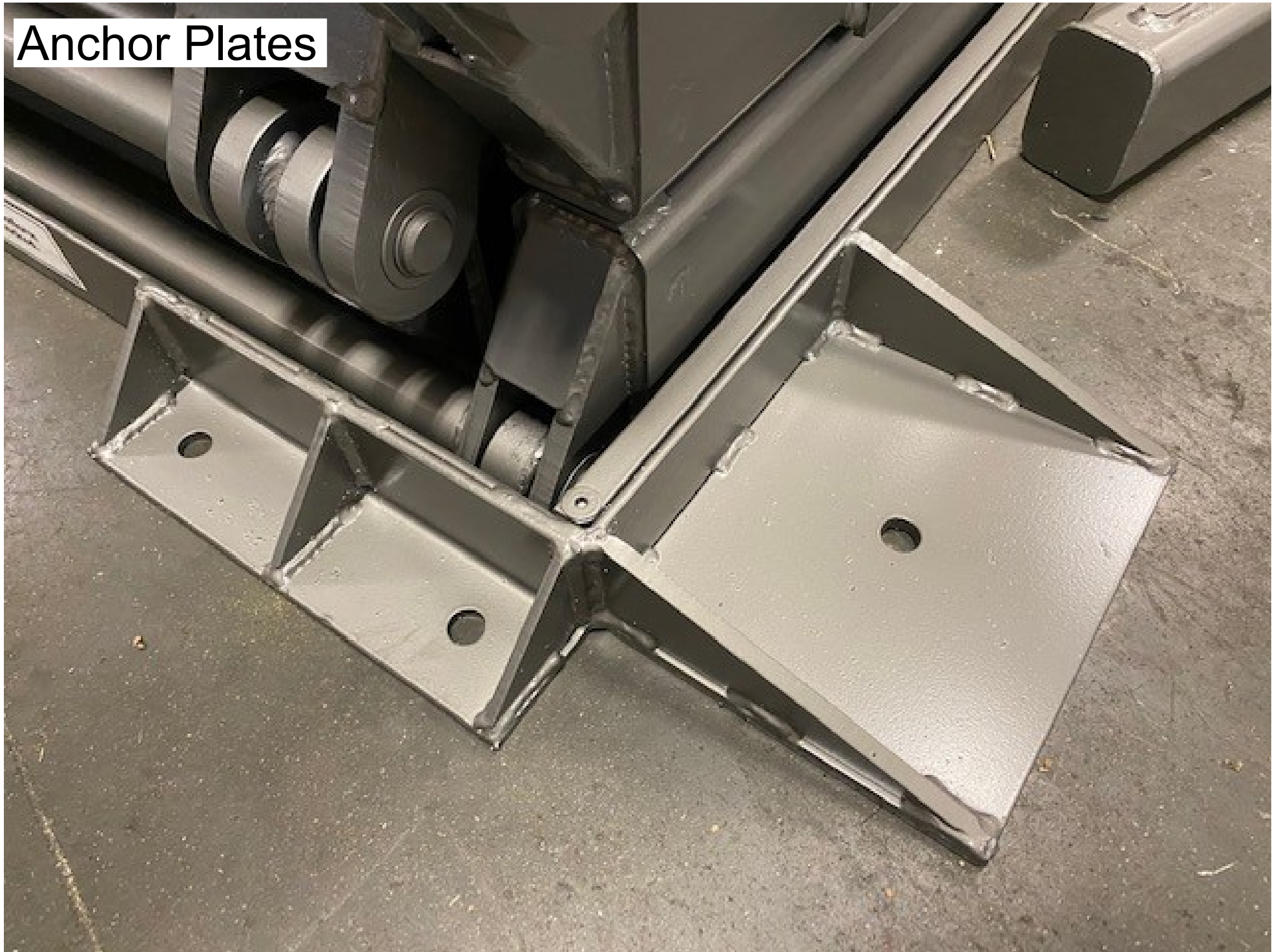
# Scissor Lift Frame Lowered



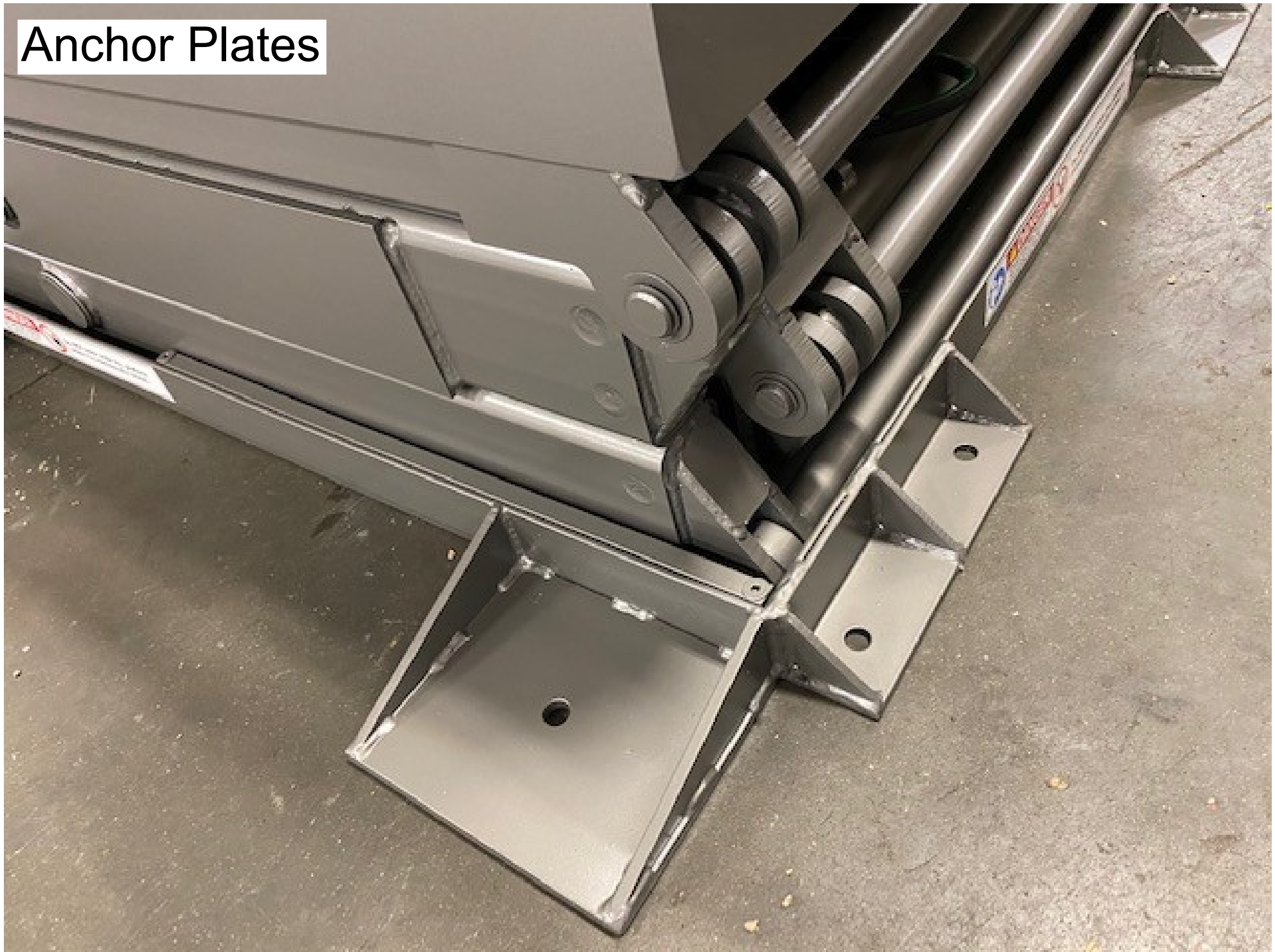
Scissor Lift



Anchor Plates



# Anchor Plates

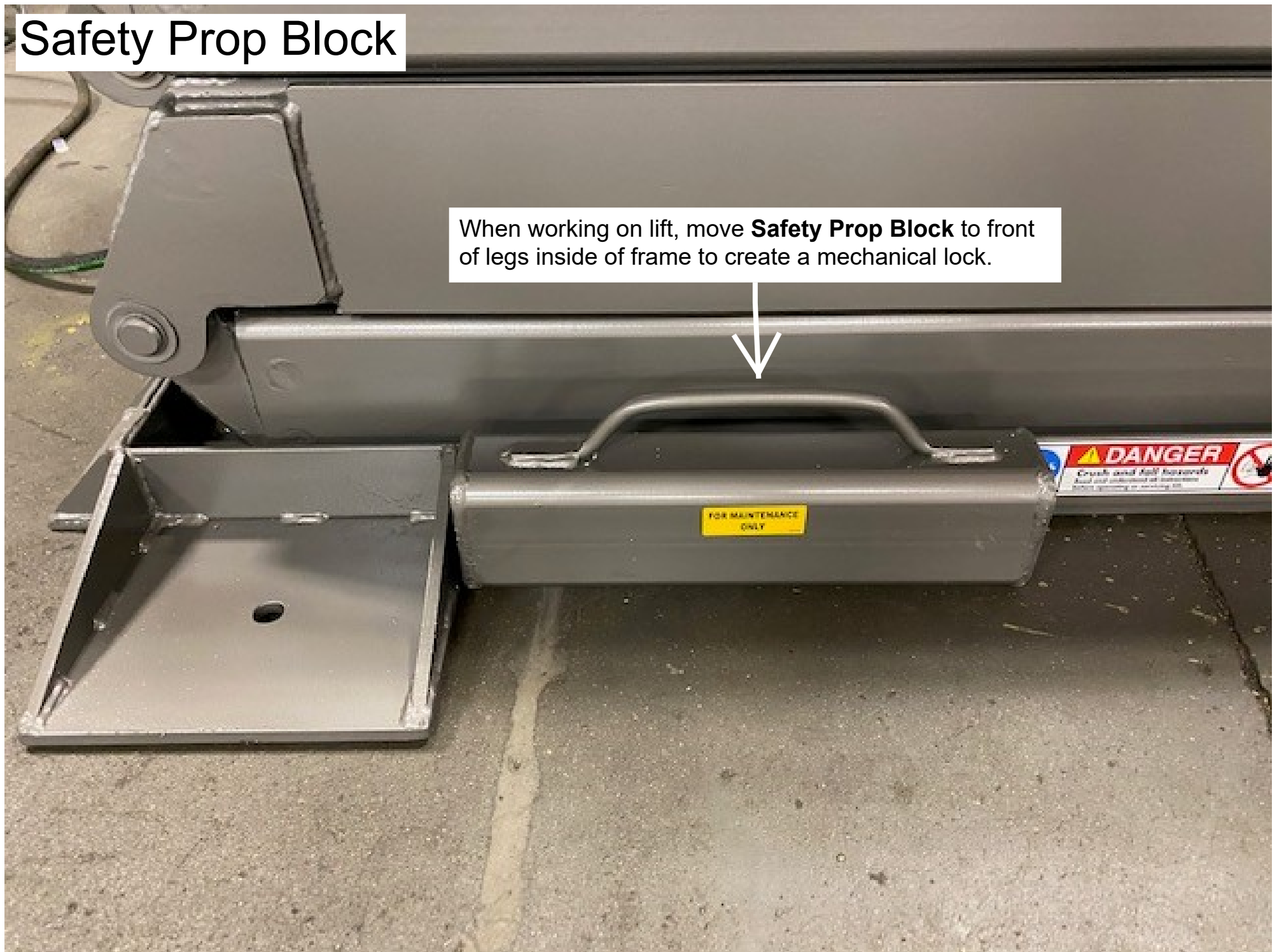


## Frame Legs



# Safety Prop Block

When working on lift, move **Safety Prop Block** to front of legs inside of frame to create a mechanical lock.



# Hand Rail & Restraints



# Restraint



# Restraint Clasp



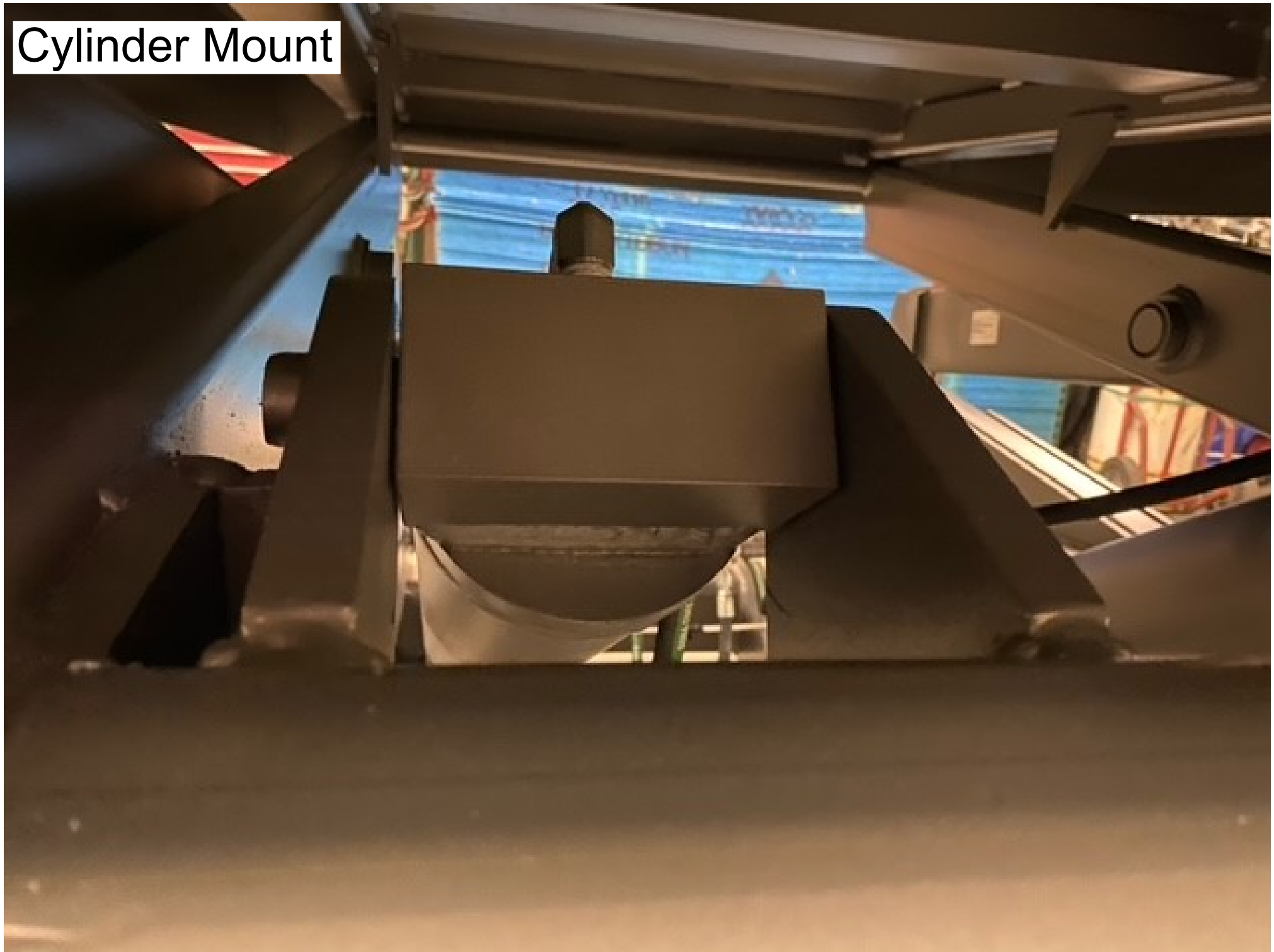
Restraint Saddle



# Hydraulic Cylinders (2 each) with Breather Line



# Cylinder Mount



# Cylinder E-Stops

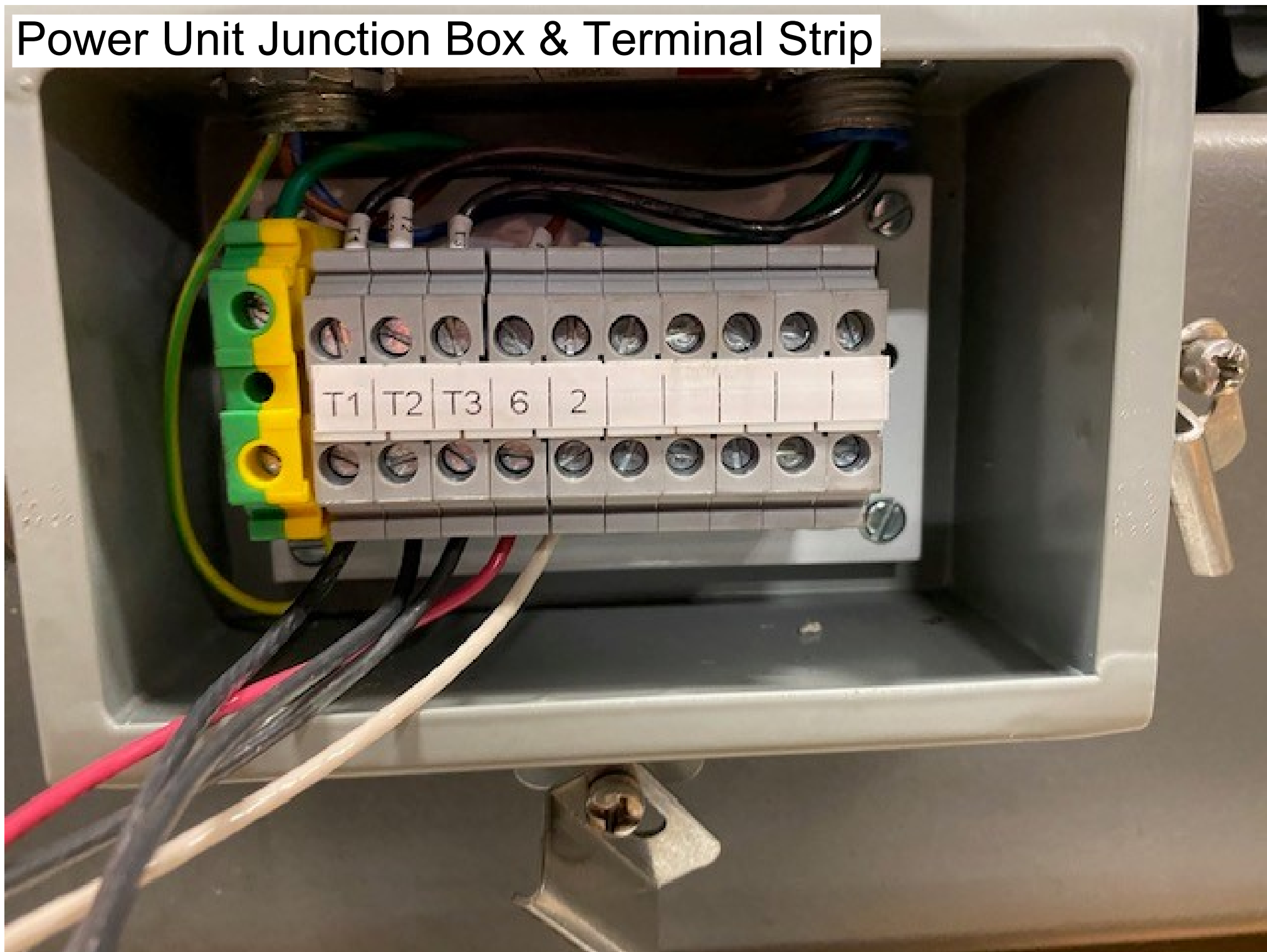
Cylinders E-Stop used only as a emergency secondary stop. The upper limit switch is the primary stop and is adjusted at factory at production to stop the lift.



# Remote Power Unit with Junction Box



# Power Unit Junction Box & Terminal Strip





**NEMA**  
**Premium**



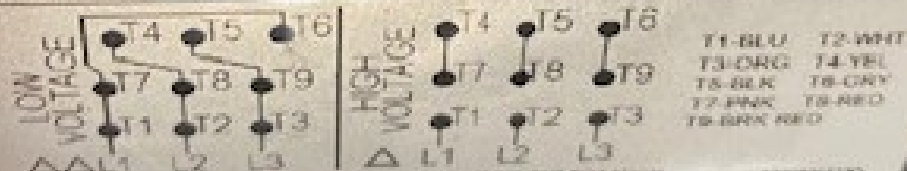
For 60Hz: Class I, Zone 2, IIC  
Class I, Div 2, Gr. A,B,C,D - T3  
Div 2 Inverter Duty (SF1.00)  
CT 2 1/WT 1000:1

|                     |        |                        |
|---------------------|--------|------------------------|
| PH 3                | Hz 60  | HP 5.0                 |
| FR 182/4TC          |        | KW 3.7                 |
| DUTY CONT.          |        | V 230/460              |
| ALT 1000 m a.s.l    |        | A 11.85/90             |
| INS CL F ΔT 80K     | IP55   | SFA 13.66/79           |
| AMB 40°C            | DES B  | SF 1.15                |
| ENCL TEFC           | CODE J | PF 0.89                |
| USABLE @ 208V 13.1A |        | RPM 3500               |
| EF1.00              |        | NEMA<br>NOM. EFF 88.5% |

|                   |                        |         |                  |             |
|-------------------|------------------------|---------|------------------|-------------|
| ALTERNATE RATING: | 5.0HP                  | 50HZ    | 190-230/380-415V | SF1.00      |
|                   | 14 3/4 12 4/7 17-6.59A | 2860RPM | EFF 85.2% (IE1)  | IEC 60034-1 |

\* For safe area-inverter-duty motor For 60Hz use on V/FWM 1000:1 VT, 10:1 GT

|            |            |                  |
|------------|------------|------------------|
| DE 5204-22 | PL 2086-03 | MODIL POLYREX EM |
|------------|------------|------------------|



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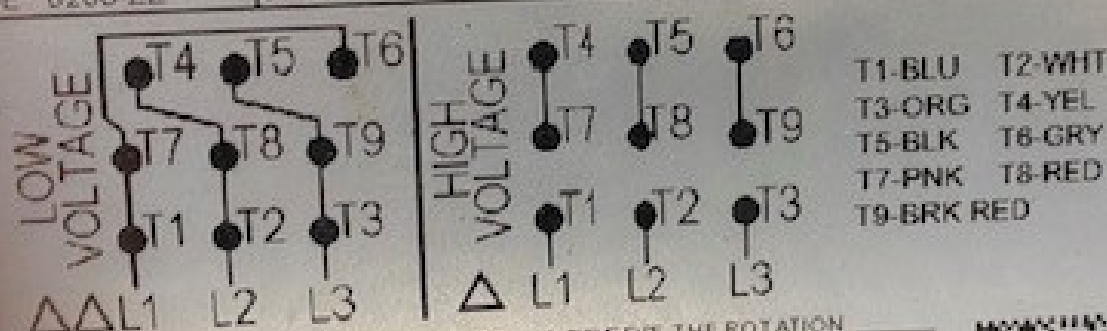
2987002

TSSE

**ER**

# Motor Name Plate

|                                                                           |             |                                  |             |
|---------------------------------------------------------------------------|-------------|----------------------------------|-------------|
| MAT 12675353 CC029A                                                       |             | For 60Hz: Class I, Zone 2, IIC   |             |
| W01 TE0IC0X0N                                                             |             | Class I, Div.2, Gr. A,B,C,D - T9 |             |
| MODEL 00536ET3E184TC-S                                                    |             | Div 2 Inverter Duty (SF1.00)     |             |
| 21SEP2022 S/N: 1075062970                                                 |             | CT 2.1/VT 1000.1                 |             |
| PH 3                                                                      | Hz 60       | HP 5.0                           |             |
| FR 182/4TC                                                                |             | KW 3.7                           |             |
| DUTY CONT.                                                                |             | V 230/460                        |             |
| ALT 1000 m.a.s.l                                                          |             | A 11.8/5.90                      |             |
| INS CL F ΔT 80K                                                           | IP55        | SFA 13.66.79                     |             |
| AMB 40°C                                                                  | DES B       | SF 1.15                          |             |
| ENCL TEFC                                                                 | CODE J      | PF 0.89                          |             |
| USABLE @ 208V-13.1A                                                       |             | RPM 3500                         |             |
| SF1.00                                                                    |             | NEMA NOM EFF 88.5%               |             |
| ALTERNATE RATING: 5.0HP                                                   | 50Hz        | 190-220/380-415V                 | SF1.00      |
| 14.3-12.4/7.17-6.59A                                                      | 2860RPM     | EFF 85.2% (IE1)                  | IEC 60034-1 |
| For safe area-Inverter duty motor For 60Hz use on VPWM 1000.1 VT, 10.1 CT |             |                                  |             |
| DE 6206-ZZ                                                                | ODE 6205-ZZ | MOBILPOLYREX EM                  |             |



INTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION



**WARNING:** Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical shocks. Disconnect power source before servicing unit.



**AVERTISSEMENT:** Le moteur doit être mis à la terre conformément aux codes électriques locaux et nationaux afin d'éviter tout choc électrique grave. Déconnectez l'alimentation avant l'entretien de la machine.

# Power Unit Cover



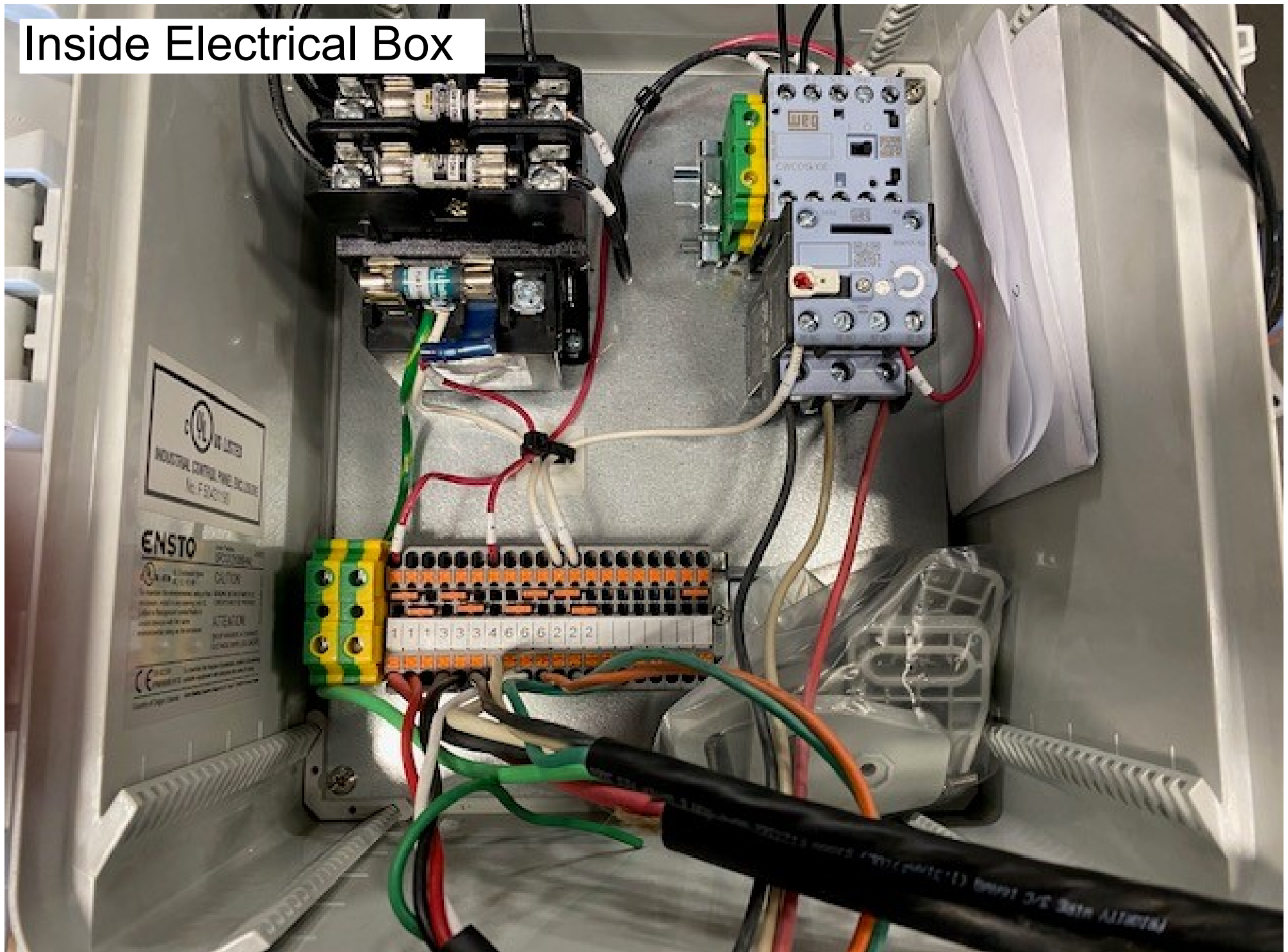
# Power Unit Cover Lockout



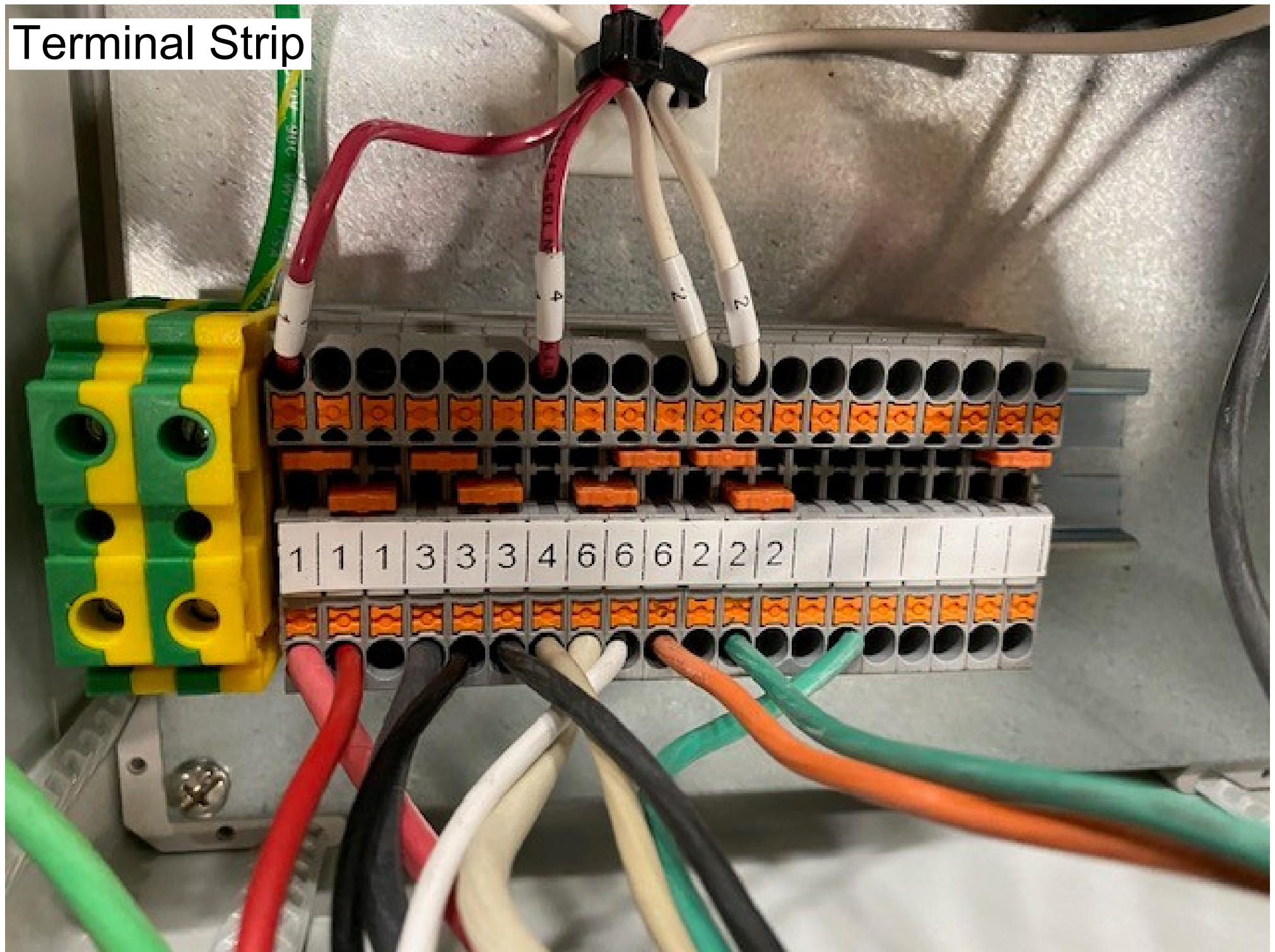
Electrical Box



# Inside Electrical Box



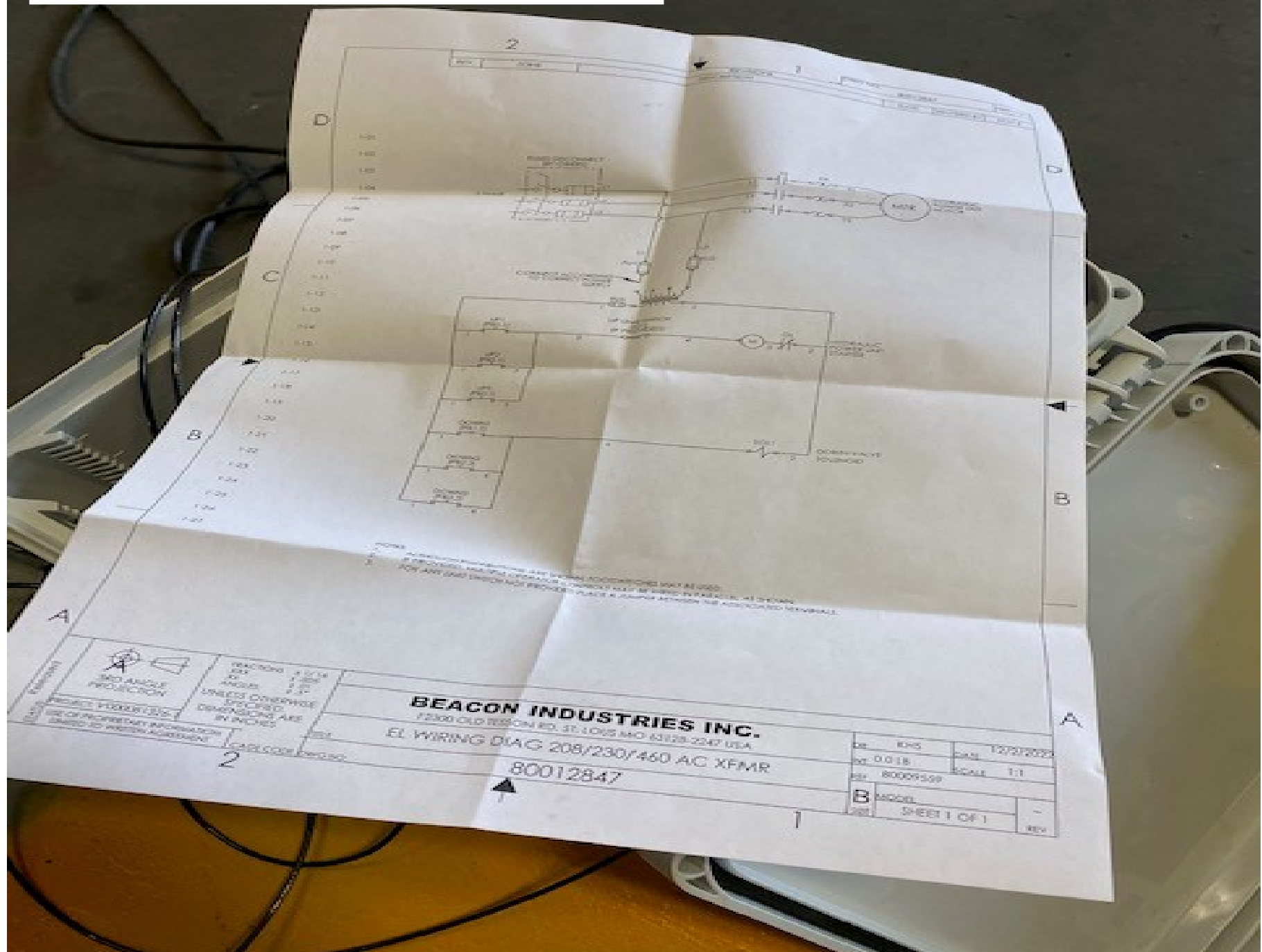
Terminal Strip



# Electrical Box Lockout



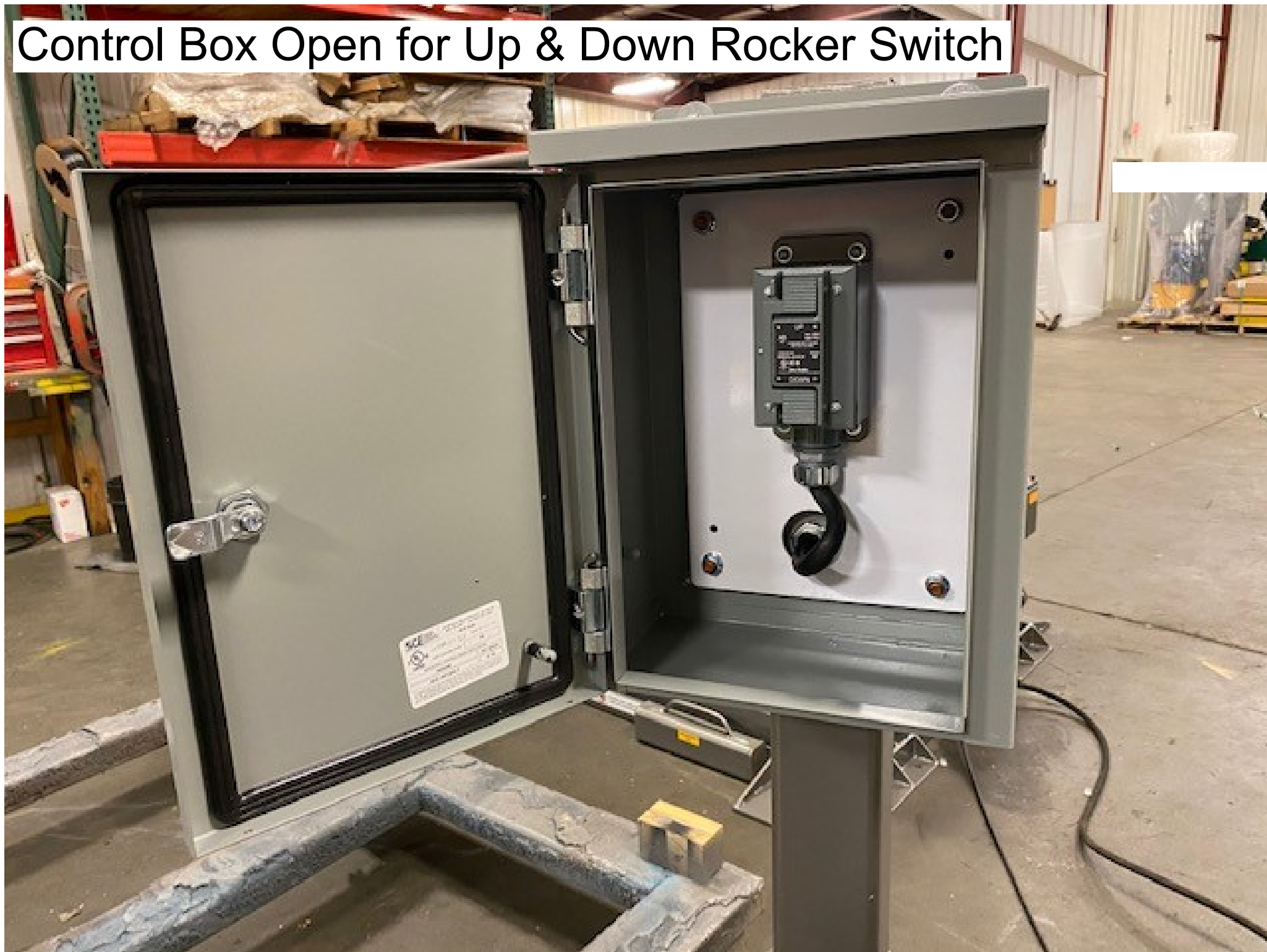
# Schematic in Electrical Box



Control Box



# Control Box Open for Up & Down Rocker Switch



# Up & Down Rocker Switch



# Control Box Lockout



# Power Unit Pendant Hand Control



Limit Switch



# Limit Switch & Junction Box



# Limit Switch Junction Box



# Limit Switch Wire



## Limit Switch Wire



Hydraulic Manual Lowering Valve  
to use if no Power is Available.



# Hydraulic Adjustable Lowering Flow Control

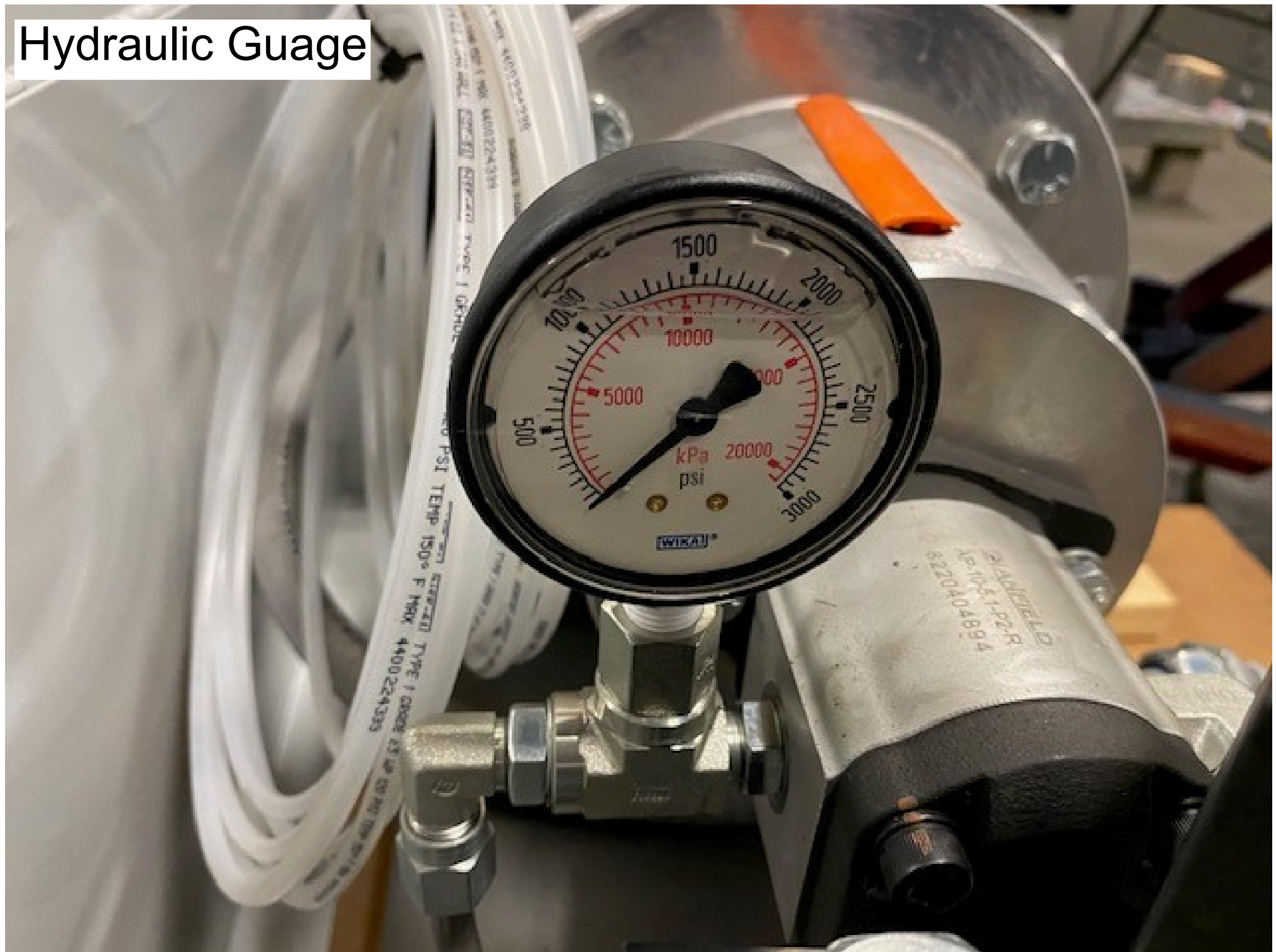


# Hydraulic Pressure Relief Valve

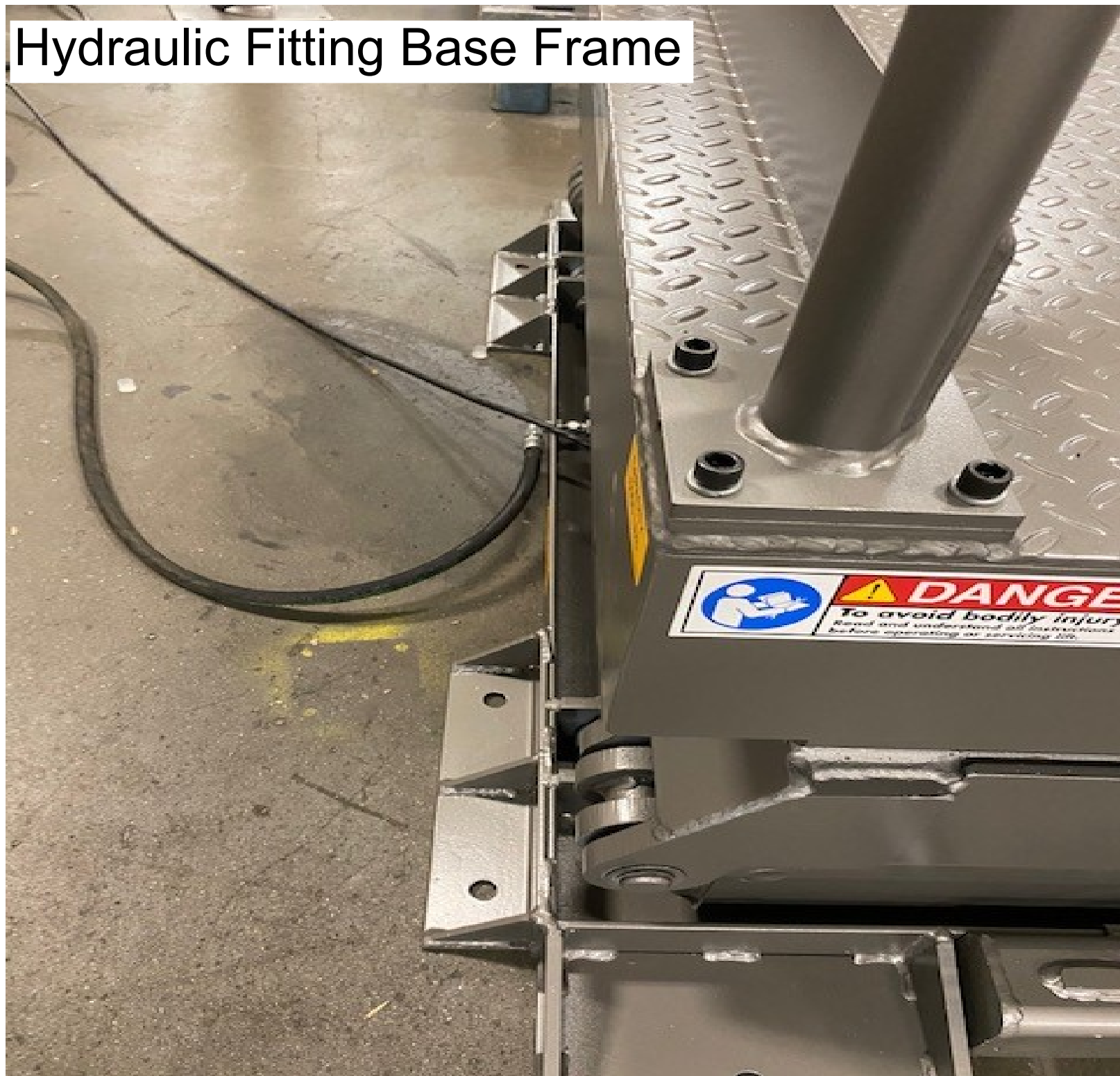
**DO NOT ADJUST**



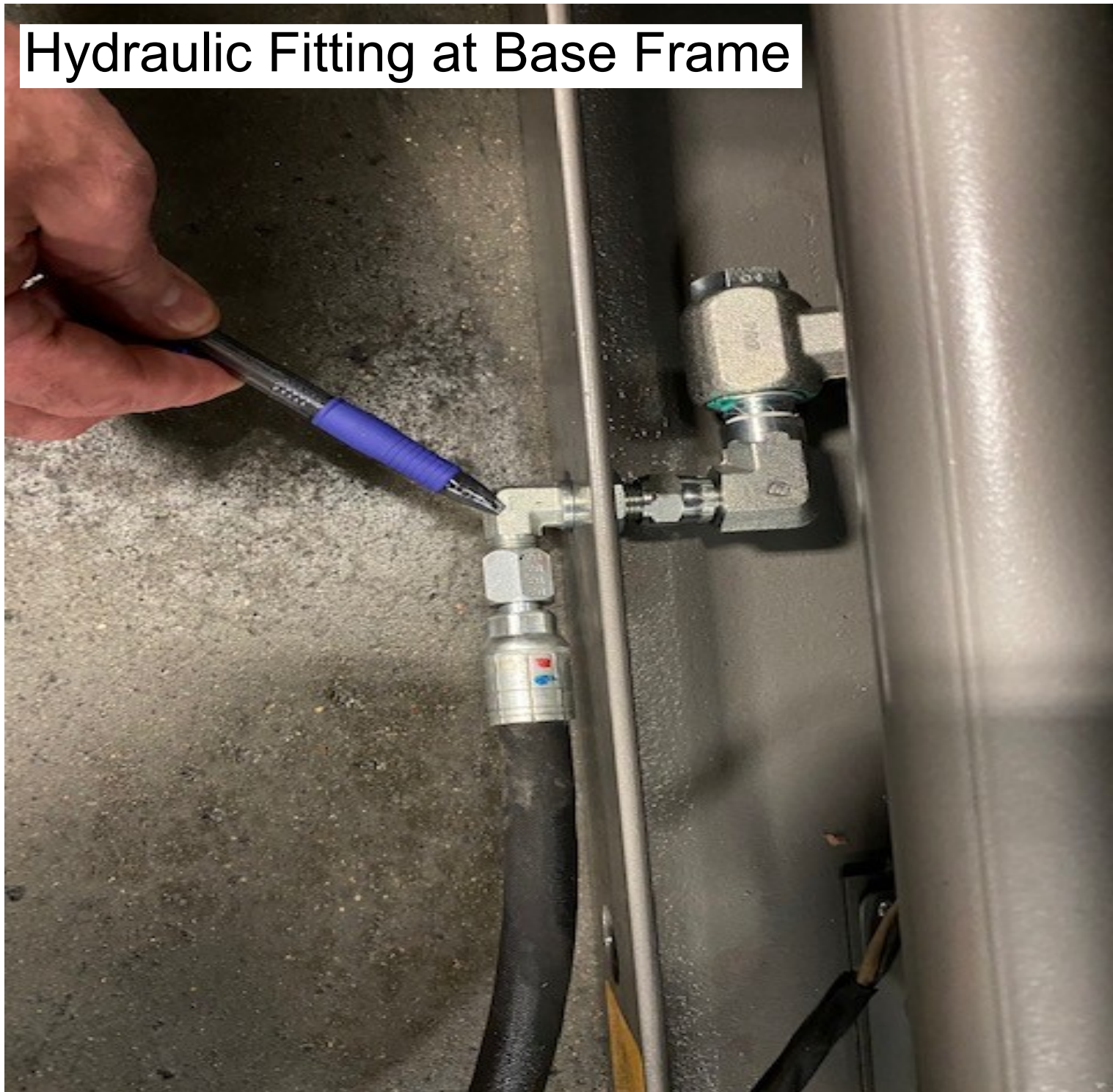
# Hydraulic Guage



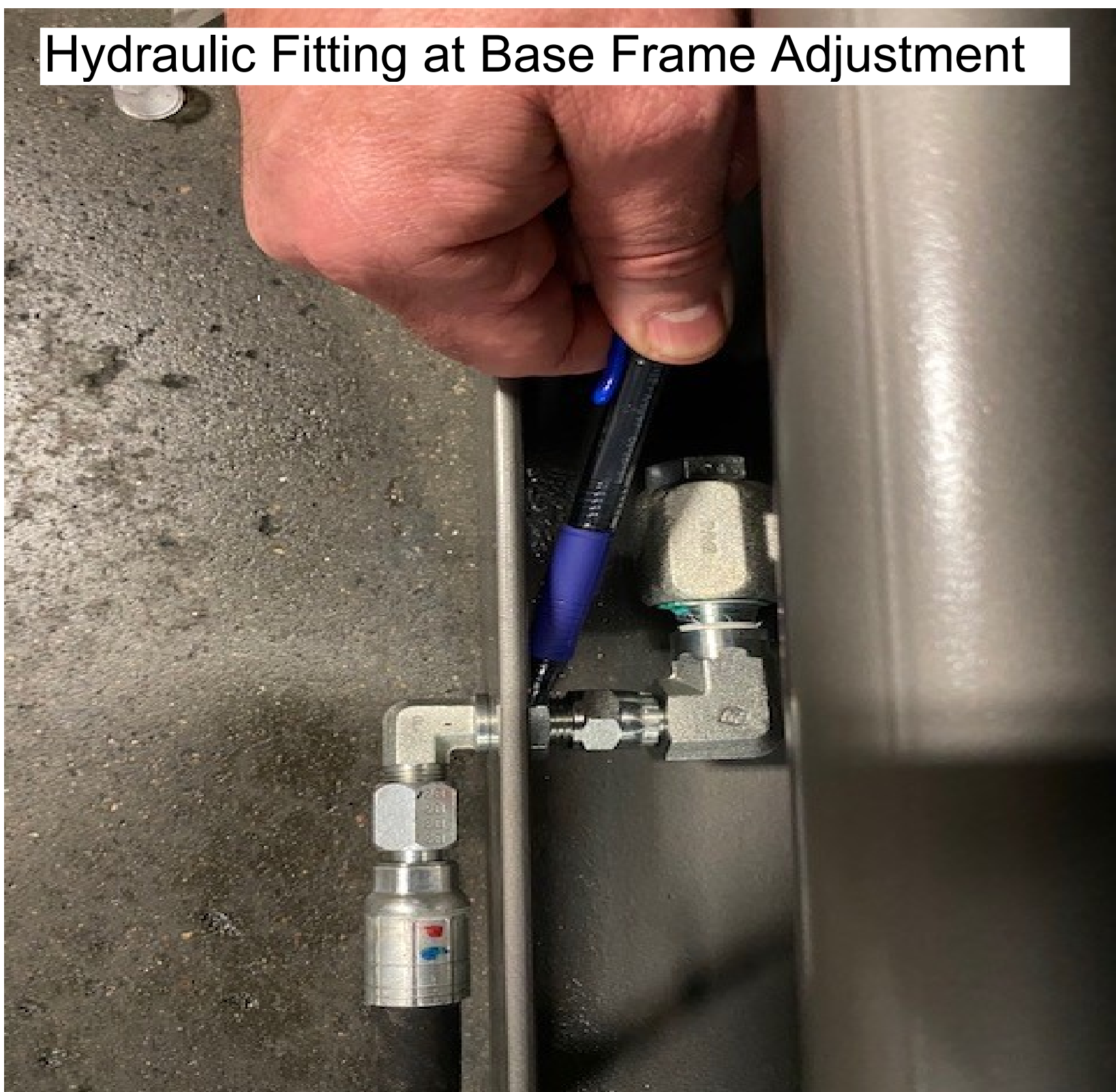
# Hydraulic Fitting Base Frame



## Hydraulic Fitting at Base Frame



# Hydraulic Fitting at Base Frame Adjustment



# Hydraulic Fitting at Base Frame Adjustment



## Stanchion Post Base & Electrical Cable



# Safety Label

**⚠ DANGER**

 Shock and arc flash explosion hazards.

 Follow ALL requirements in NFPA 70E for safe work practices and for Personal Protective Equipment.

 Hazardous Voltage.

 Will cause severe injury or death.

Turn off and lock out system power before servicing.

DO NOT operate machine with electrical panel doors opened or covers removed.

2984767

**CONTROL**

**24 VOLTS  
1 PHASE**

2986998

**POWER**

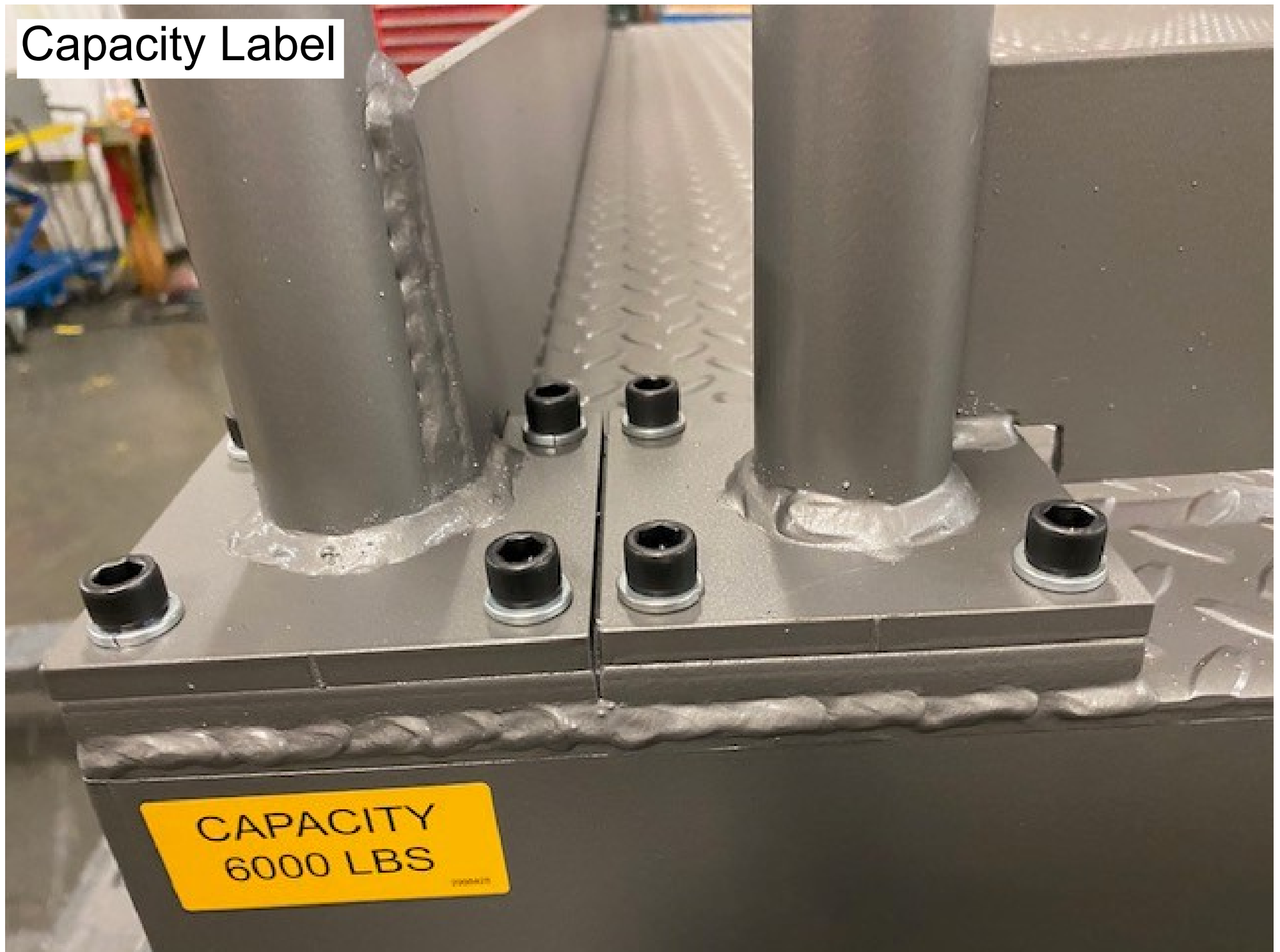
**230 VOLTS  
3 PHASE**

2987002

# Safety Label



# Capacity Label



# Beacon Label



## Serial Tag on Inner Leg

Model No:  
BTSL-60-144 (6,000 LBS CAP)  
Serial No:  
V81326-1/1508843