



# ECL-150

Escalator Controller Lift Load Rated for 150 lbs

User's Manual

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# Specifications:

- Structural material:
  - Mild Steel,
    - 1-1/2 Galvanized sched 40 pipe
    - 2" EMT
    - telescopic, perforated, square steel tube
  - Boat Winch 1500 lb capacity with web strap
  - Fixed height, approximately 6 feet above the mounting sleeve (pipe) top.
  - Cross member with attached winch will rotate about the supporting pole 360 degrees and is load rated for 150 pounds in all positions of that circle.

# Purpose:

- This lift is made for lifting controllers weighing approximately 75 lbs to a height 4+ feet above their mounted position.
- Any other use is strictly beyond the manufacturer's liability and will deem the warranty null and void.

## Scope:

- This lift is only intended for use in elevating controllers after having been installed properly on the structure of the escalator. Any other use is strictly at the user's own risk and without any responsibility or liability of the manufacturer.

# Limits of Liability:

- Anyone using the ECL-150 must strictly follow their company Safety rules and guidelines.
- StopLoss will only cover defects in manufacturing and workmanship for a period of one calendar year from the date of sale to the original purchaser.

# Load Rating Conditions:

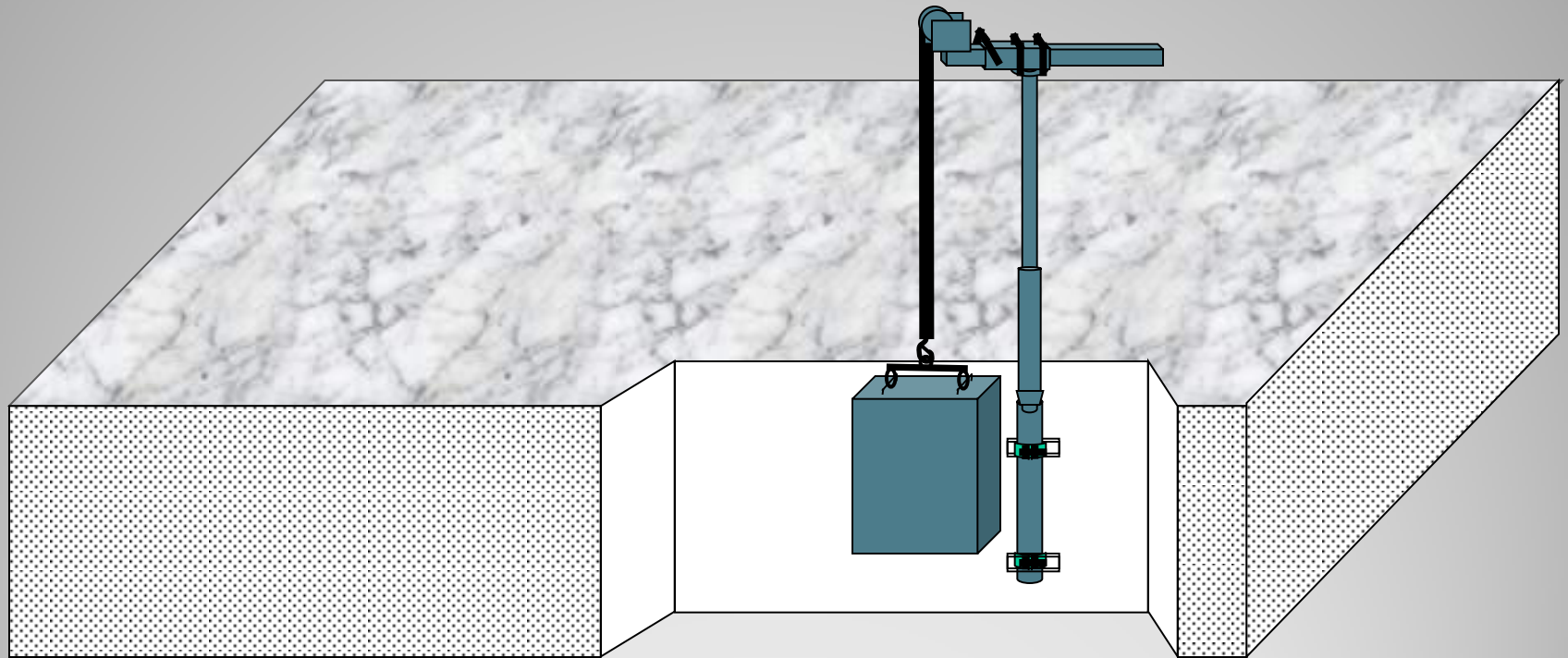
- Worst case settings of the cross member position being that the tail of the cross member was even with the back edge of the floor flange giving the belt a lift point approx. 36" out from the center of the 1-1/2" pipe it was mounted on.
- The mounted 2" pipe had two clamps with a spacing of 24 inches between them and the bottom clamp at the bottom, but not resting on the floor.

# Instructions Via Illustration:

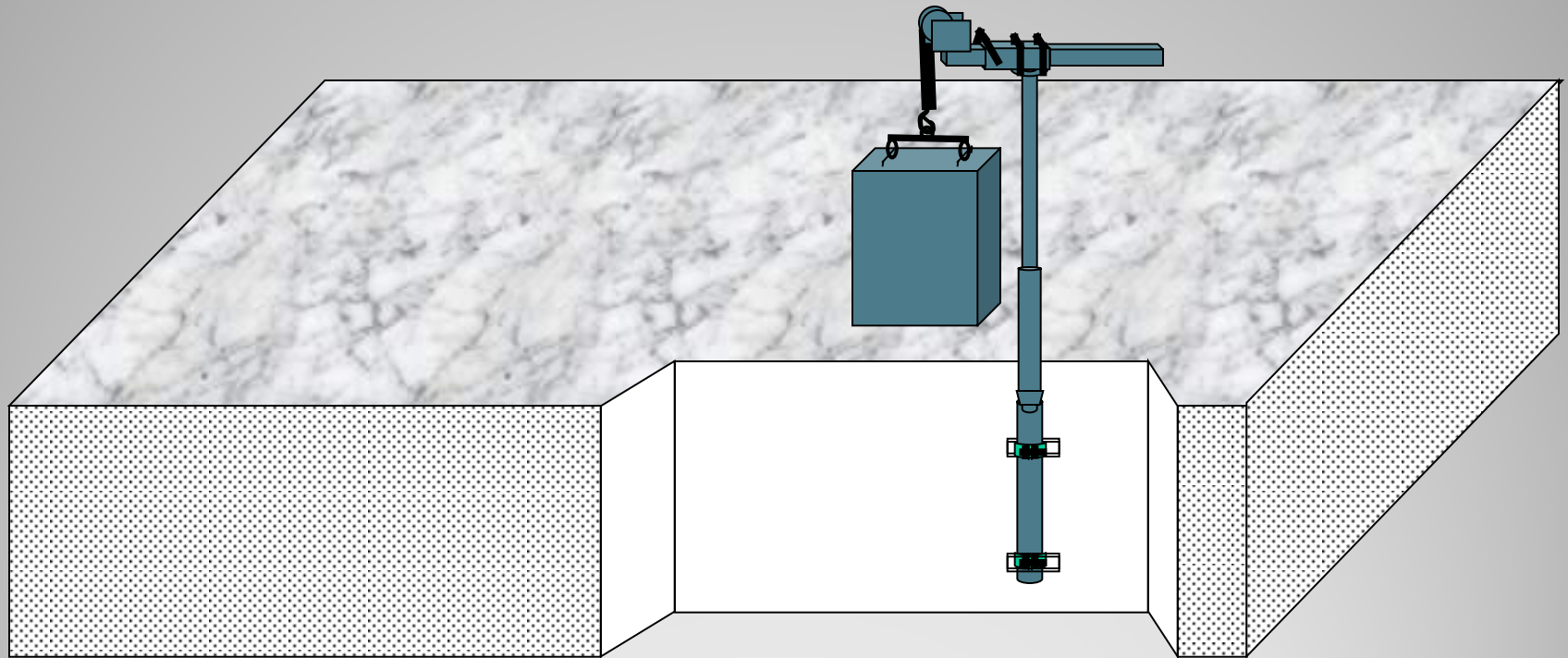
- Mount the base receiving tube with no less than 24" between the two supplied attaching brackets. Shorten the struts if necessary.
- Adjust the top of the tube so the cover will not compete for space when in place.
- Tighten all mounting fasteners.
- Assemble as illustrations direct.



# Installed ECL-150, Ready to Lift

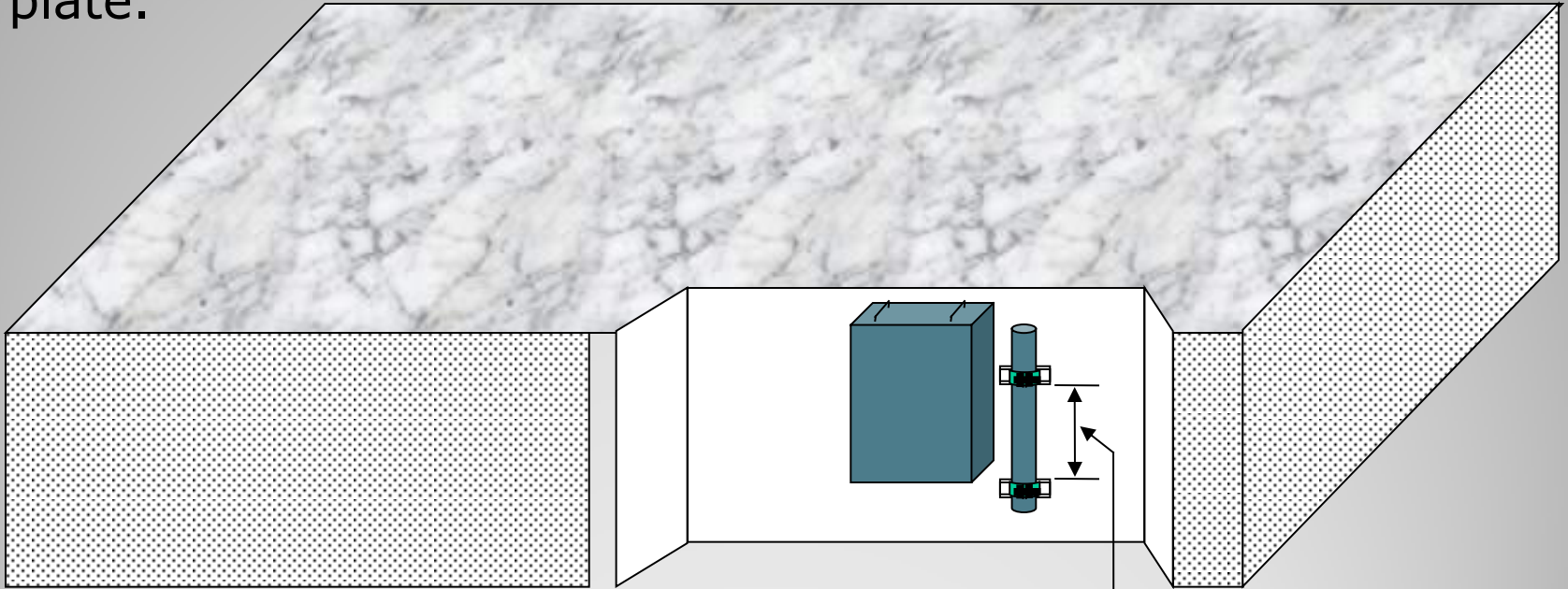


# Elevated Controller



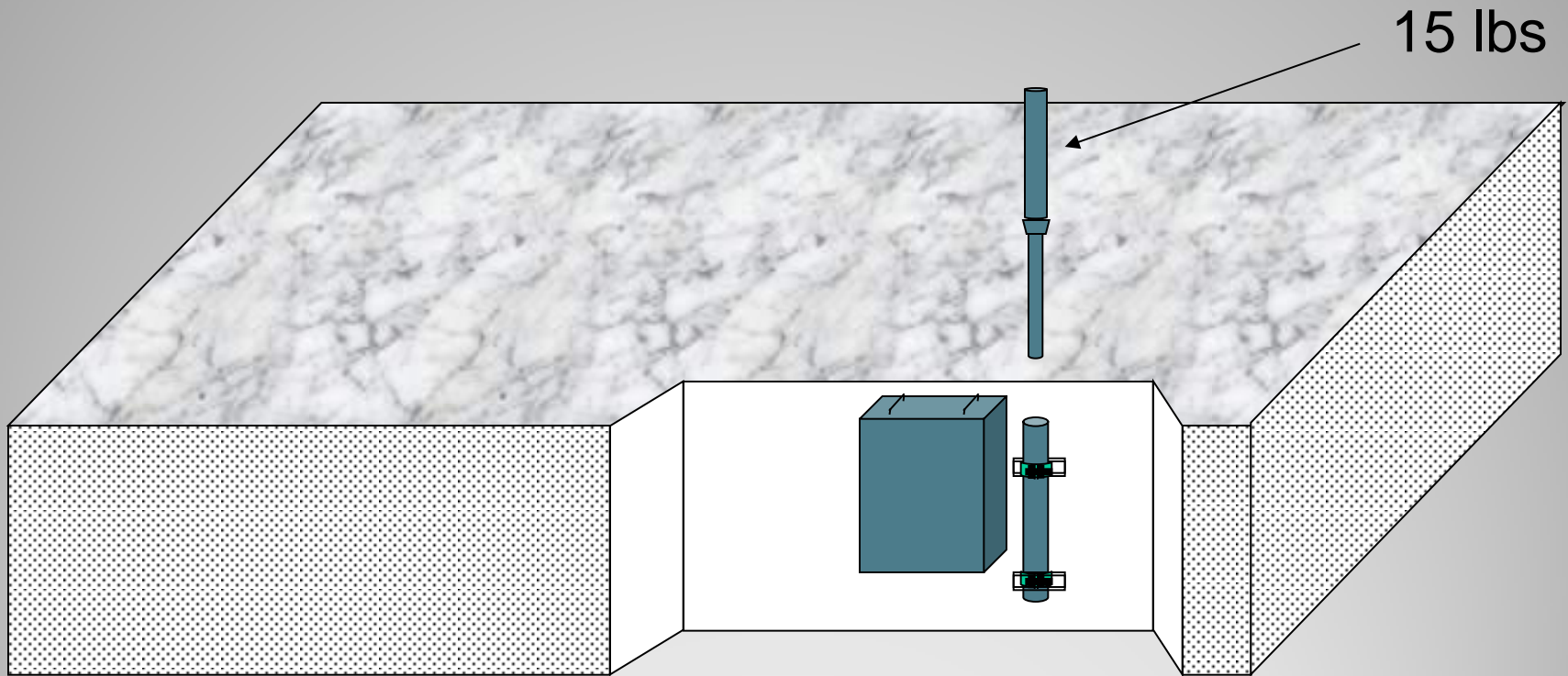
# 1. Install Lift Base Tube Sleeve

Install it with the Pipe Strut Clamps in the escalator pit close to the controller and low enough clear the cover plate.

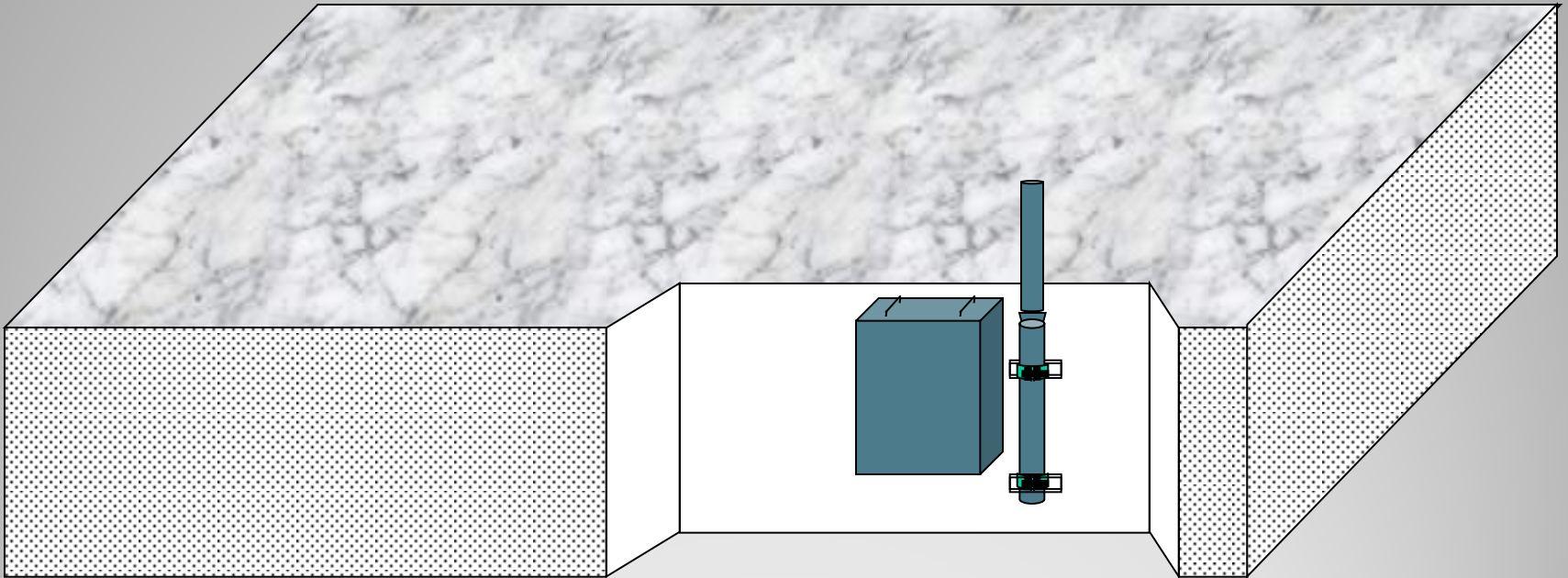


Load Rating Requirements:  
2" pipe strut clamps must be at least 24" apart.

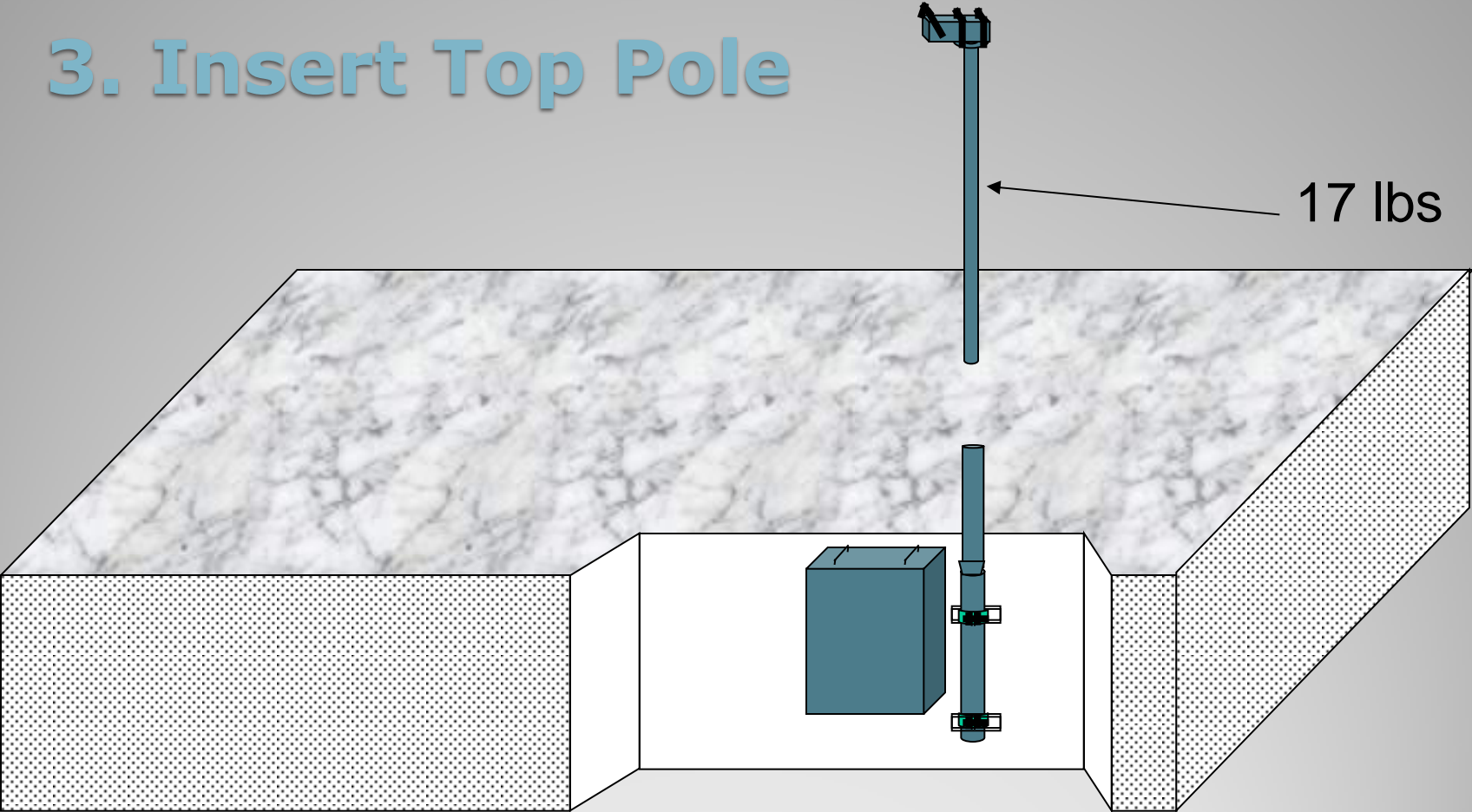
## 2. Insert Intermediate Pole



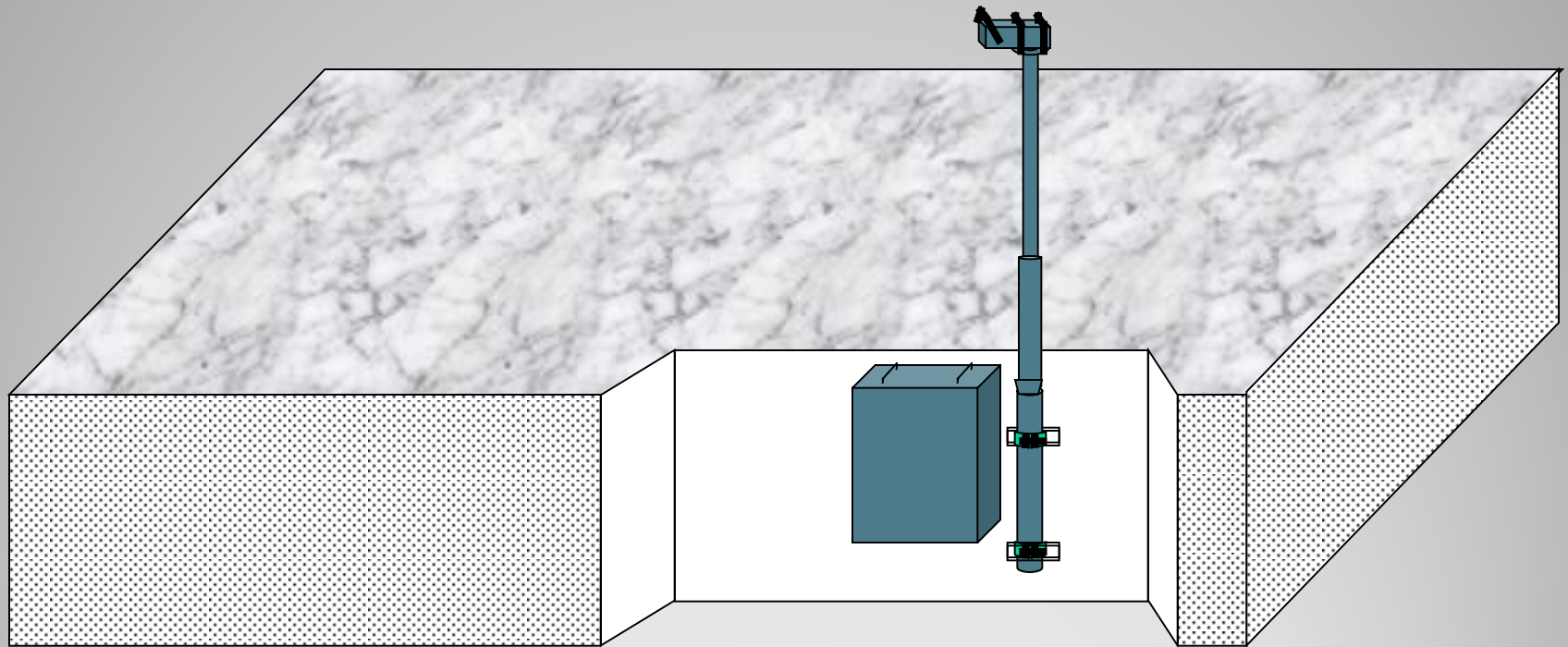
## 2a. Intermediate Pole in position



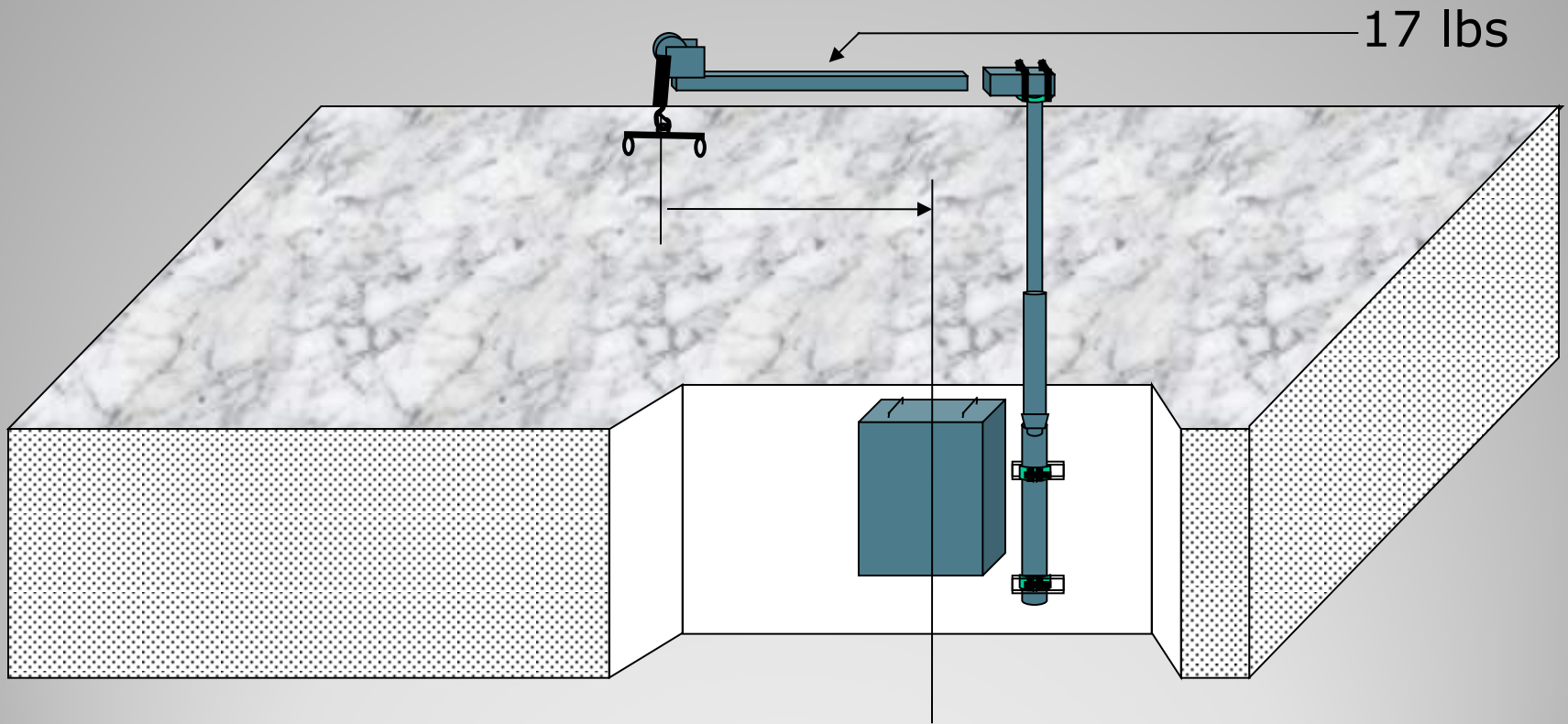
# 3. Insert Top Pole



# 3a. Top Pole in position



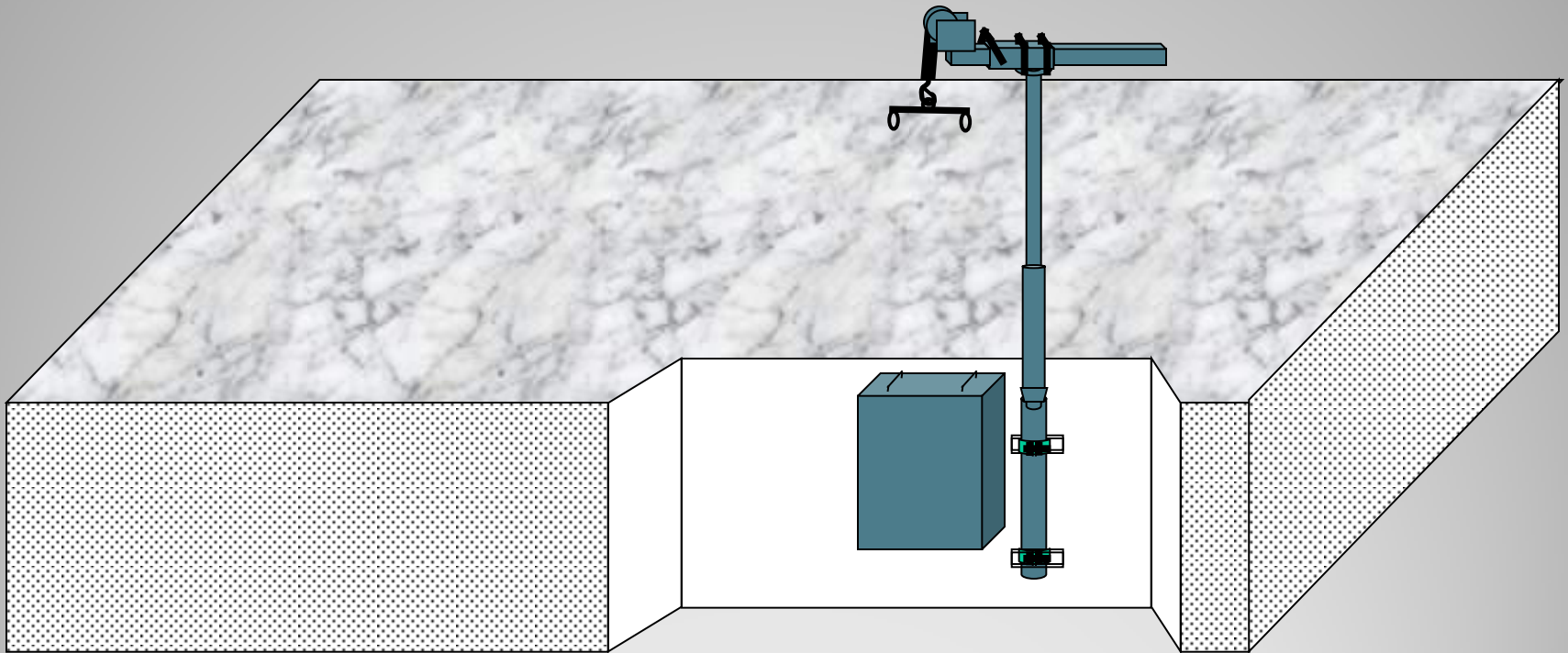
# 4. Insert & Pin Cross Member



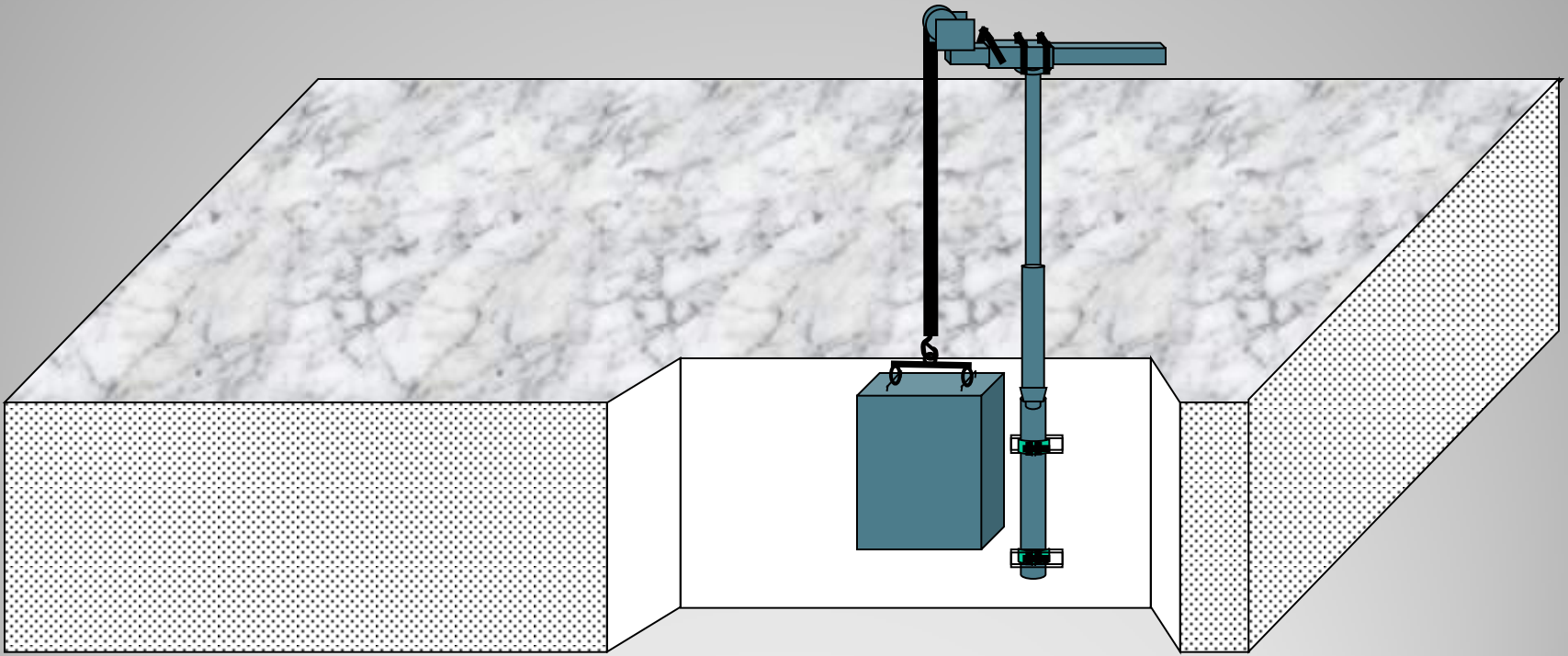
Adjust so the hook is centered over the controller.



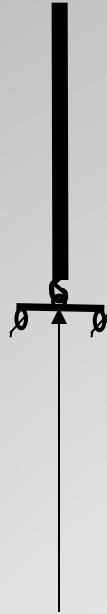
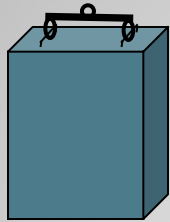
# 4a. Pin Cross Member in Place



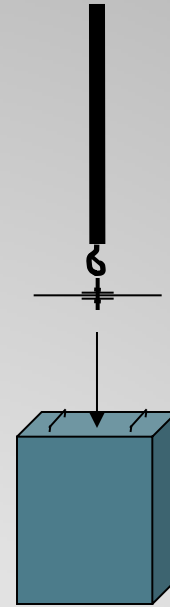
# 5. Attach Strap & Elevate



# Controller Attachment Options

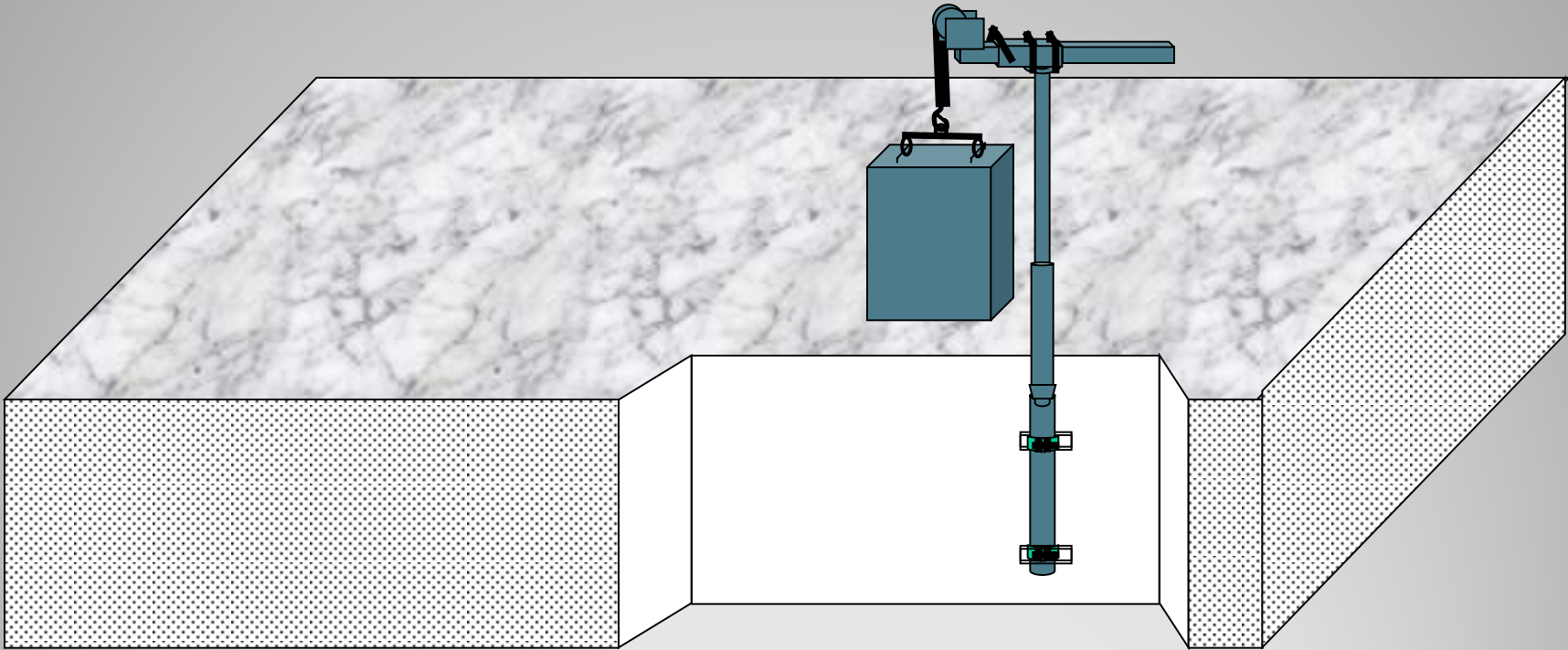


Feed rope through the handles and up to the hook between handles.

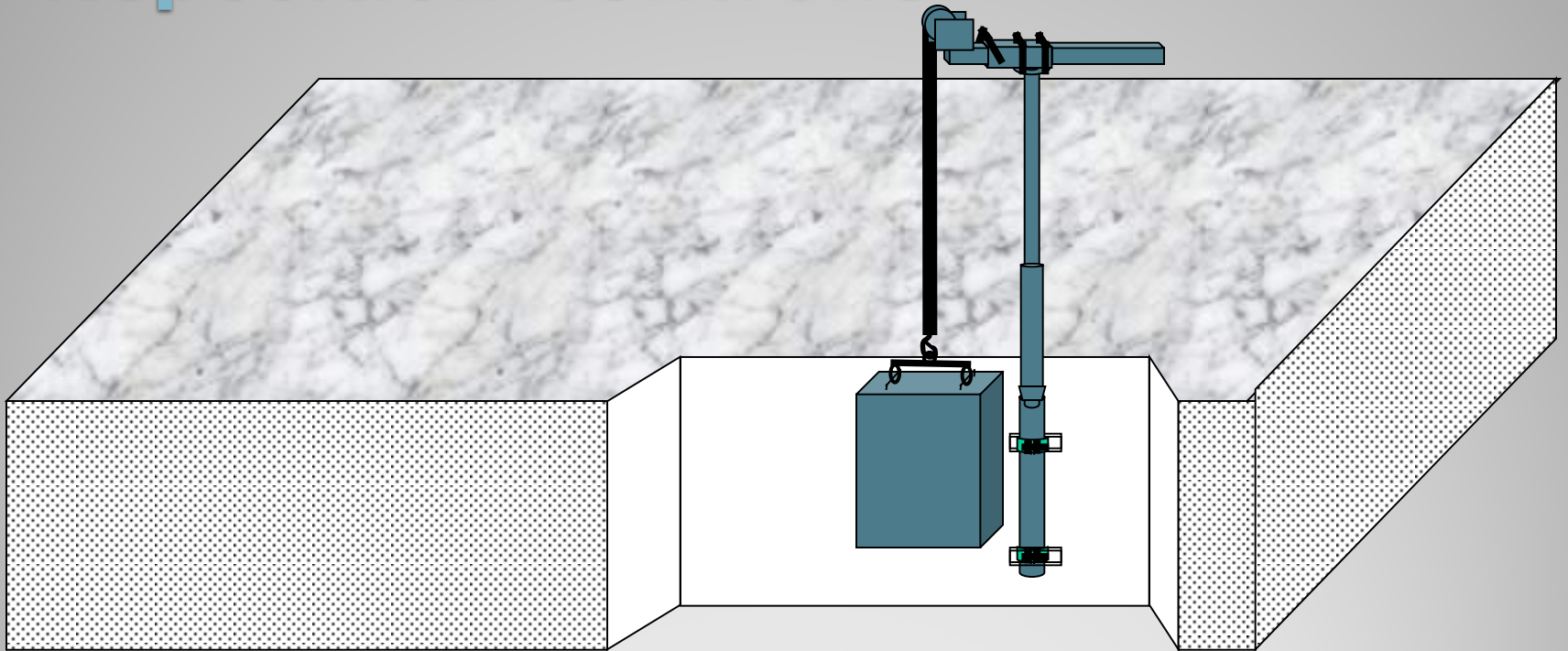


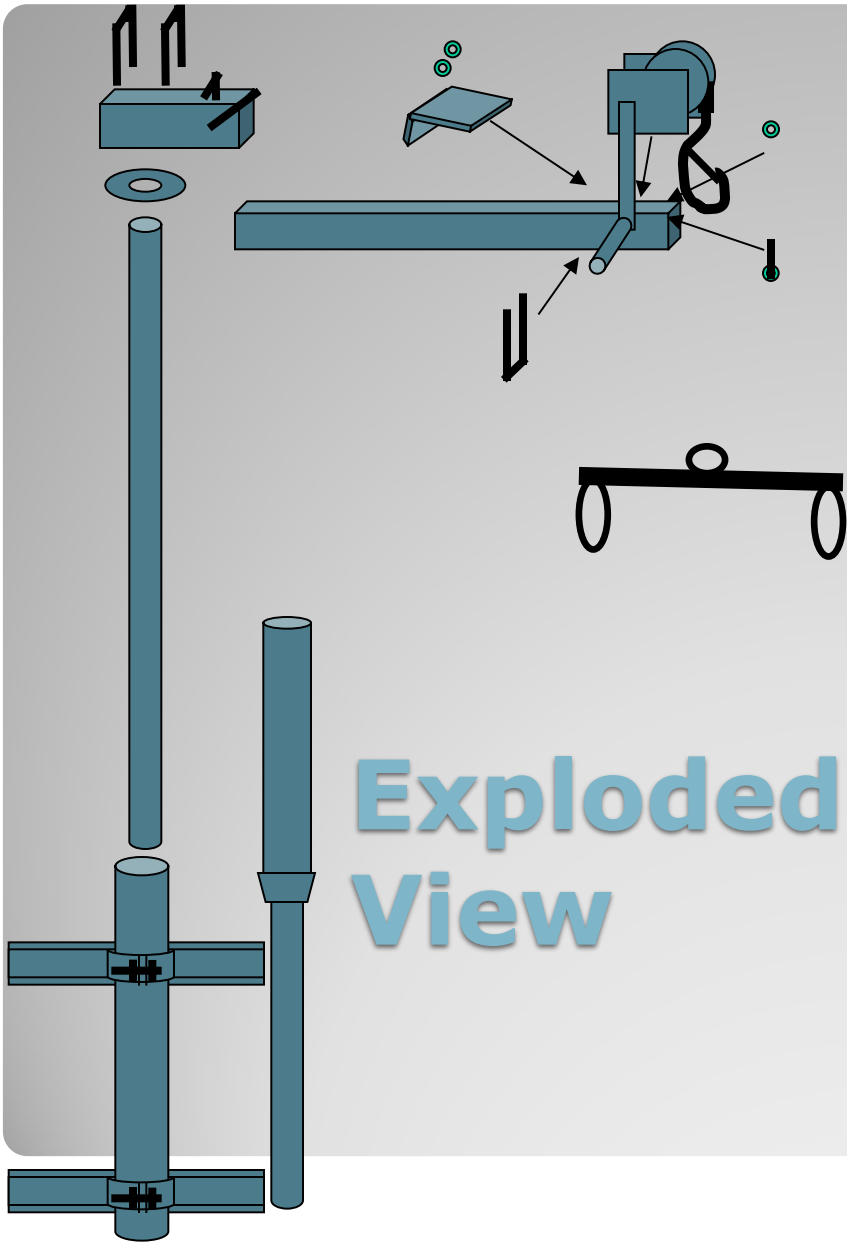
Mount the supplied Screw Eye in the top (centered) of the controller.

# Controller in Serviceable Position

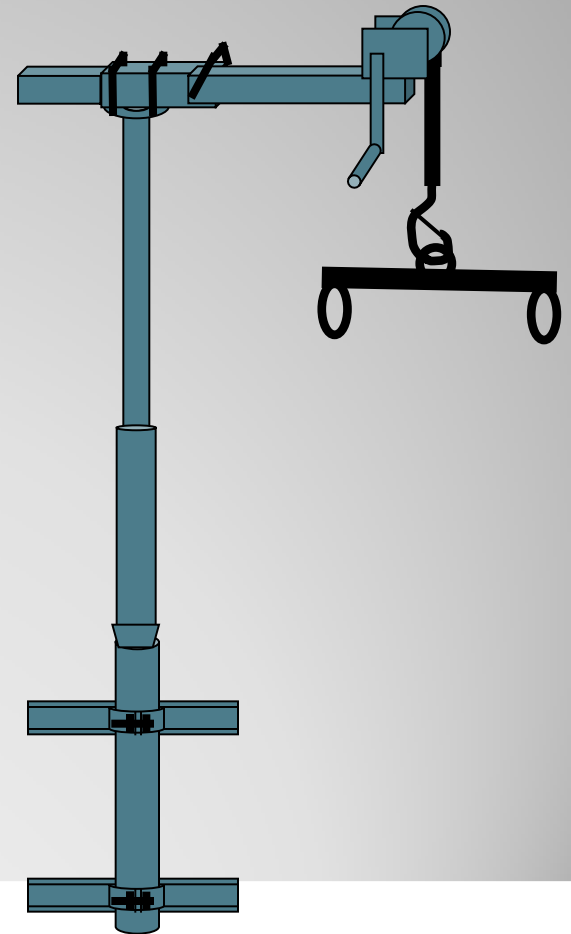


# Reverse Steps to Reposition Controller





# Assembled View



## Control Box Lift Materials List

Line	Qty	Units	Number	Nomenclature
1	1	EA		Coupling, reducing, 2 to 1-1/2" Galvanized
2	0	EA		Drill, 3/8" Black Oxide
3	0.1	EA		Drill, 7/16" Cobalt
4	1	EA		Flange, Floor 1-1/2" Galvanized
5	0.75	EA	32888364738	Pipe, 1-1/2" X 10' Galv sched 40
6	0.5	EA	768499	Pipe, 2.0" X 10' Galv sched 40
7	2	EA		Clamp, 2" pipe strut
8	2	EA	ZU501	Clamp, Beam 2" with U-Bolt
9	0	EA		Pin, 3/8 X 2-1/2" Roll
10	4	EA		Strut, Channel 1/2 slot 14 gauge, 6 in length
11	1	EA	74329HD	Winch, 1500lb w/Strap & Hook
12	1	EA	4931T109	Pin, Locking for 1-3/4 sq telescoping tubing
13	1	EA	4931T147	Steel, 1-1/2" Sq Tube perf, HD Telescope Framing
14	0.25	EA	4931T148	Steel, 1-3/4" Sq Tube perf, HD Telescope Framing
15	2	EA	3060T44	U-Bolt 2"W 2-5/8"L 1090lb work load
16	1	EA		Spreader: Strut, Channel 1/2 slot 14 gauge 6 in length
17	1	EA		Shipping full unit Uline s4919 \$5.60+Ties \$