

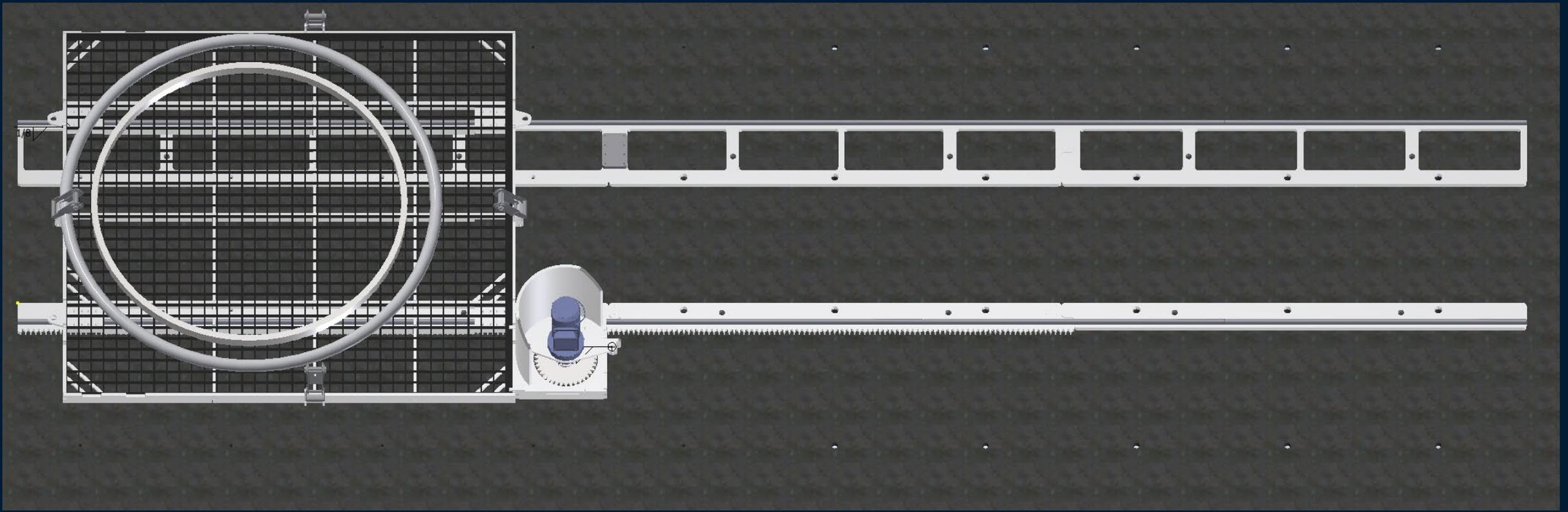
COOL SHIPBOARD THINGS 202

Joshua Eaton

New and Improved!

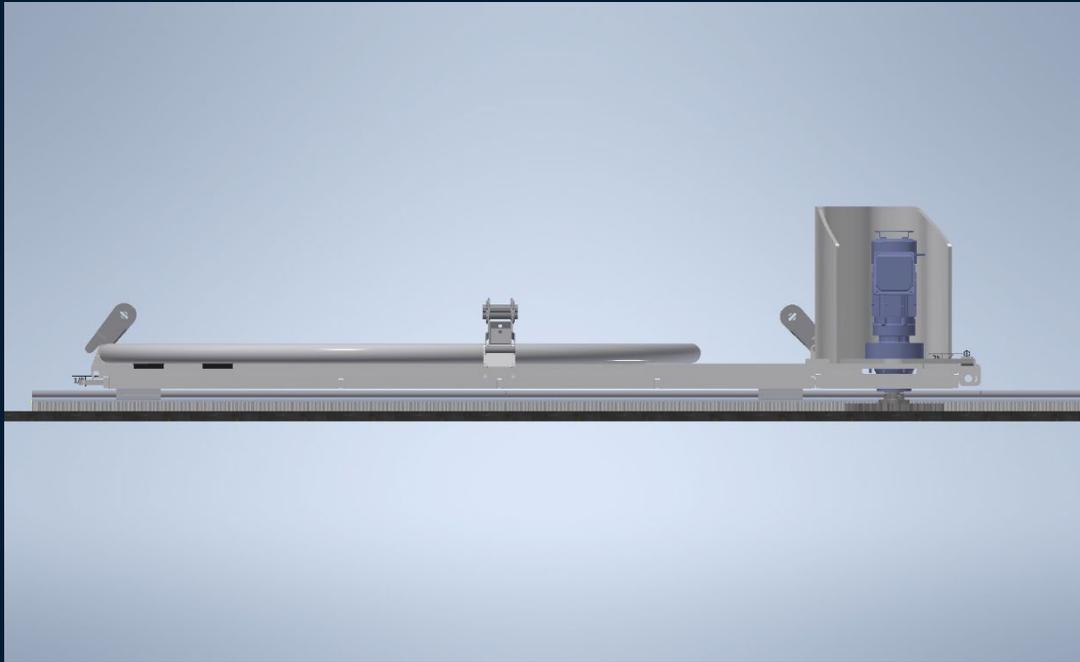


CTD Track



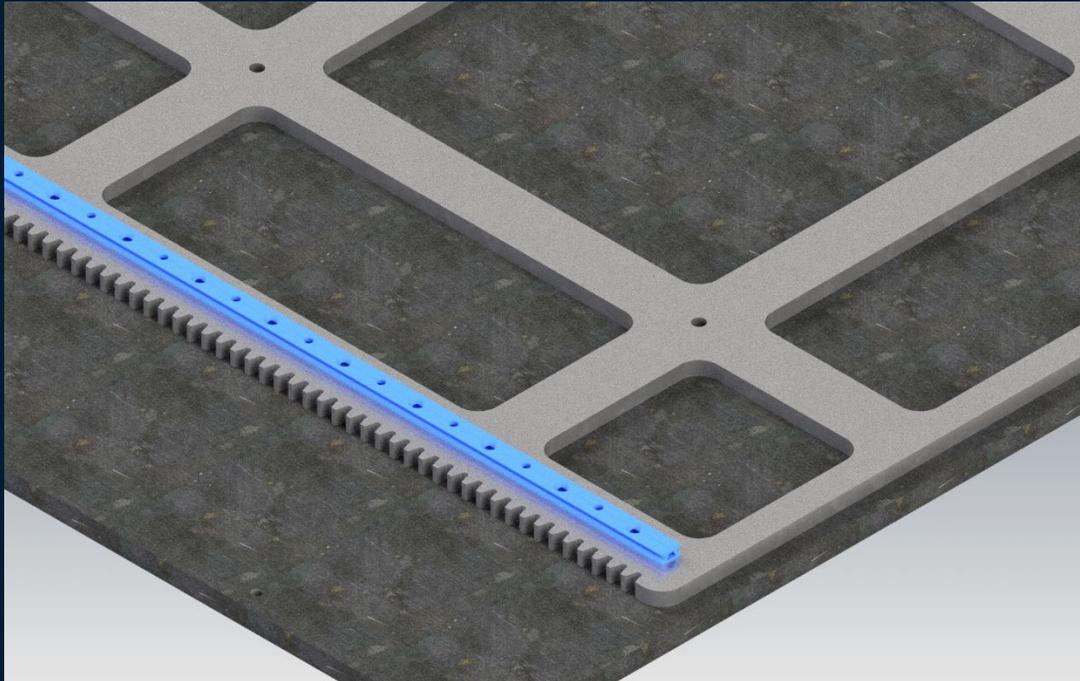
System Features

4

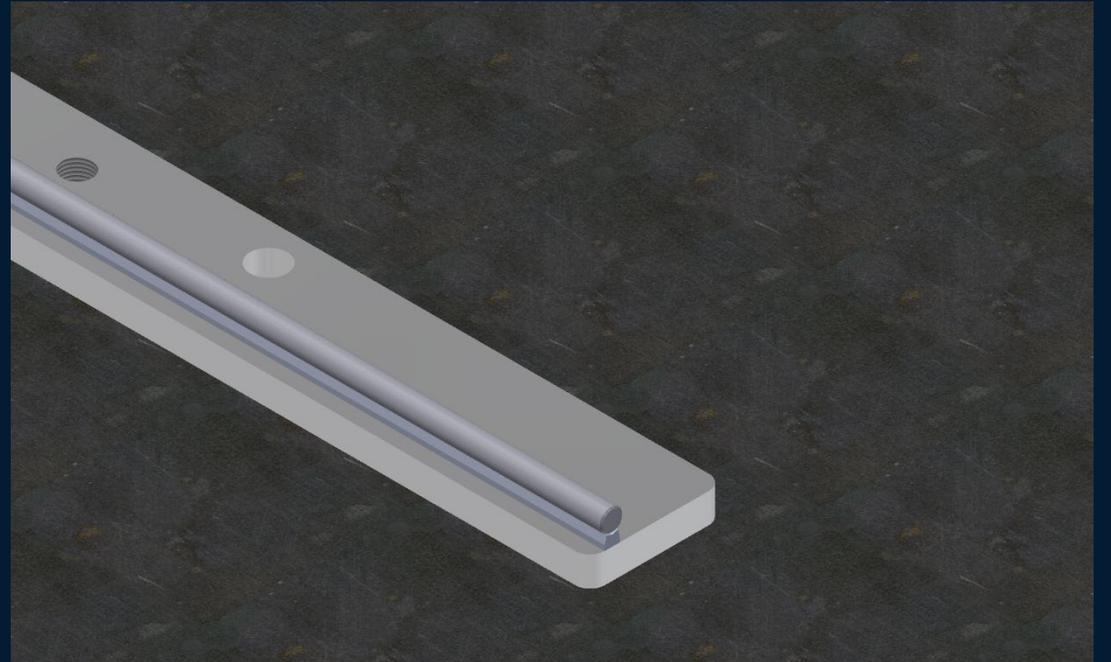


- Low profile
- Built in tie downs
- Protected motor

Profile Rail



Round Rail



Controller

6

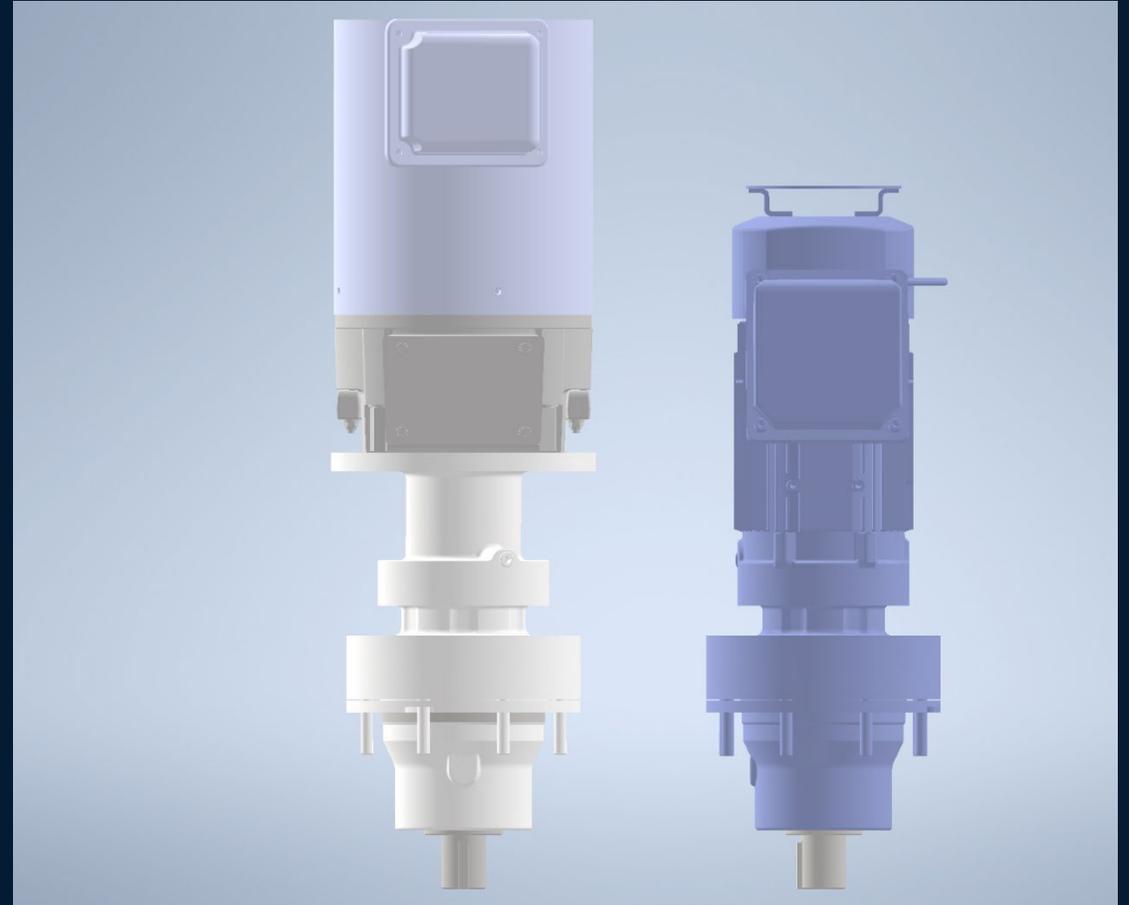
- Controls
- VFD
- Local Controls
- Pendant Controls



Improvements

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- Festoon wire management
- Spare pendant
- Spare motor and gearbox

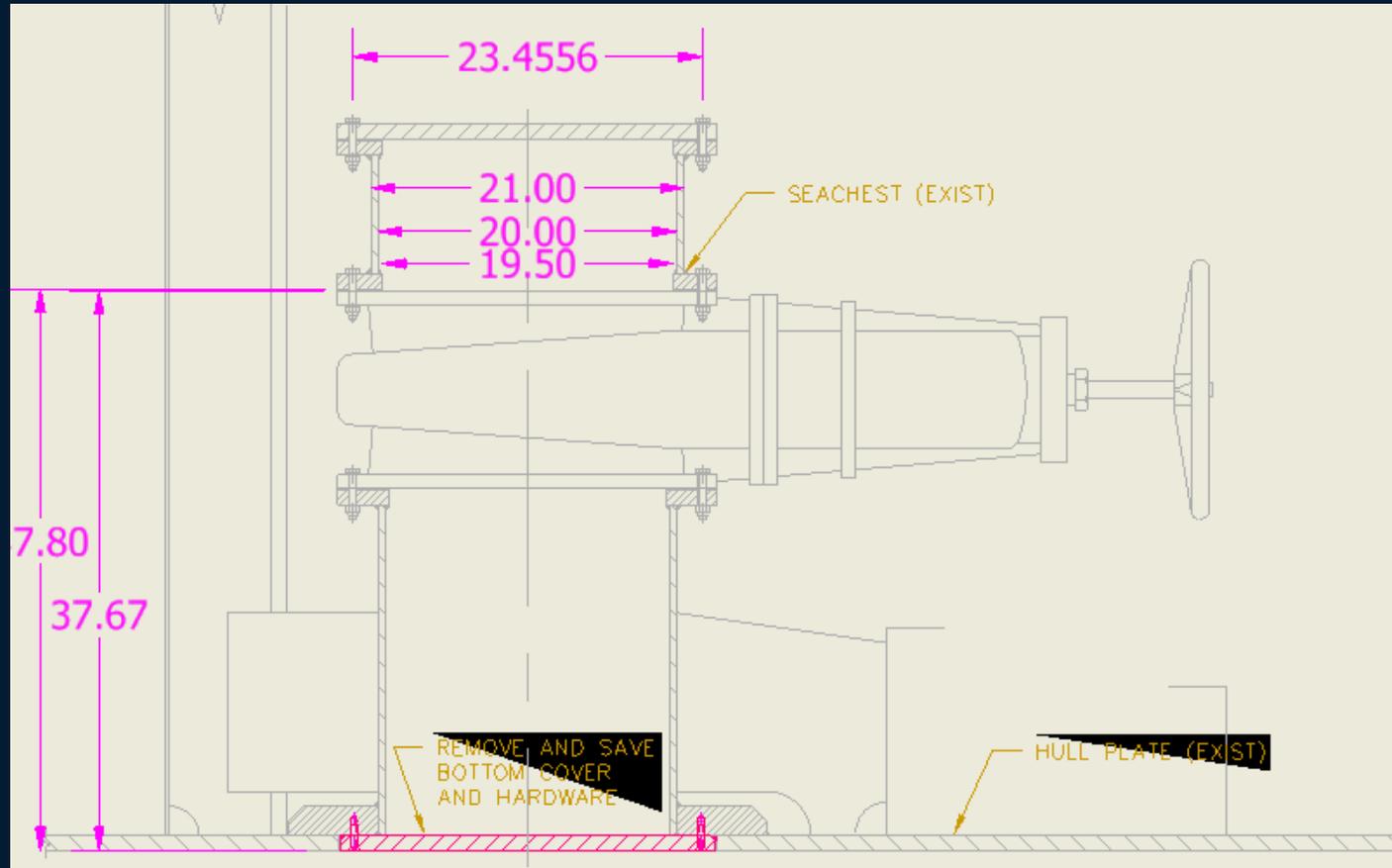




Transducer Elevator

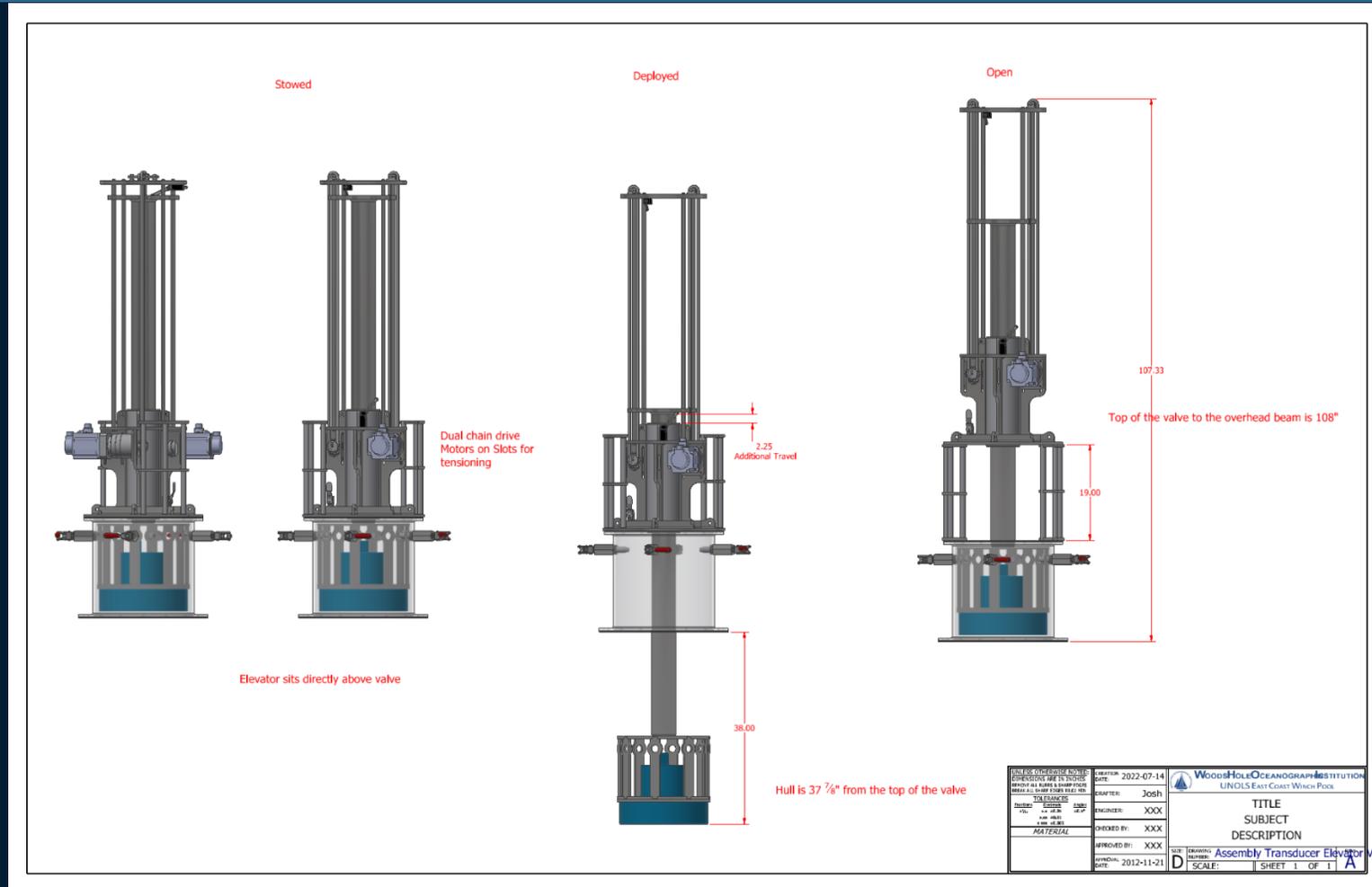
Location and Constraints

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Concept and Designs

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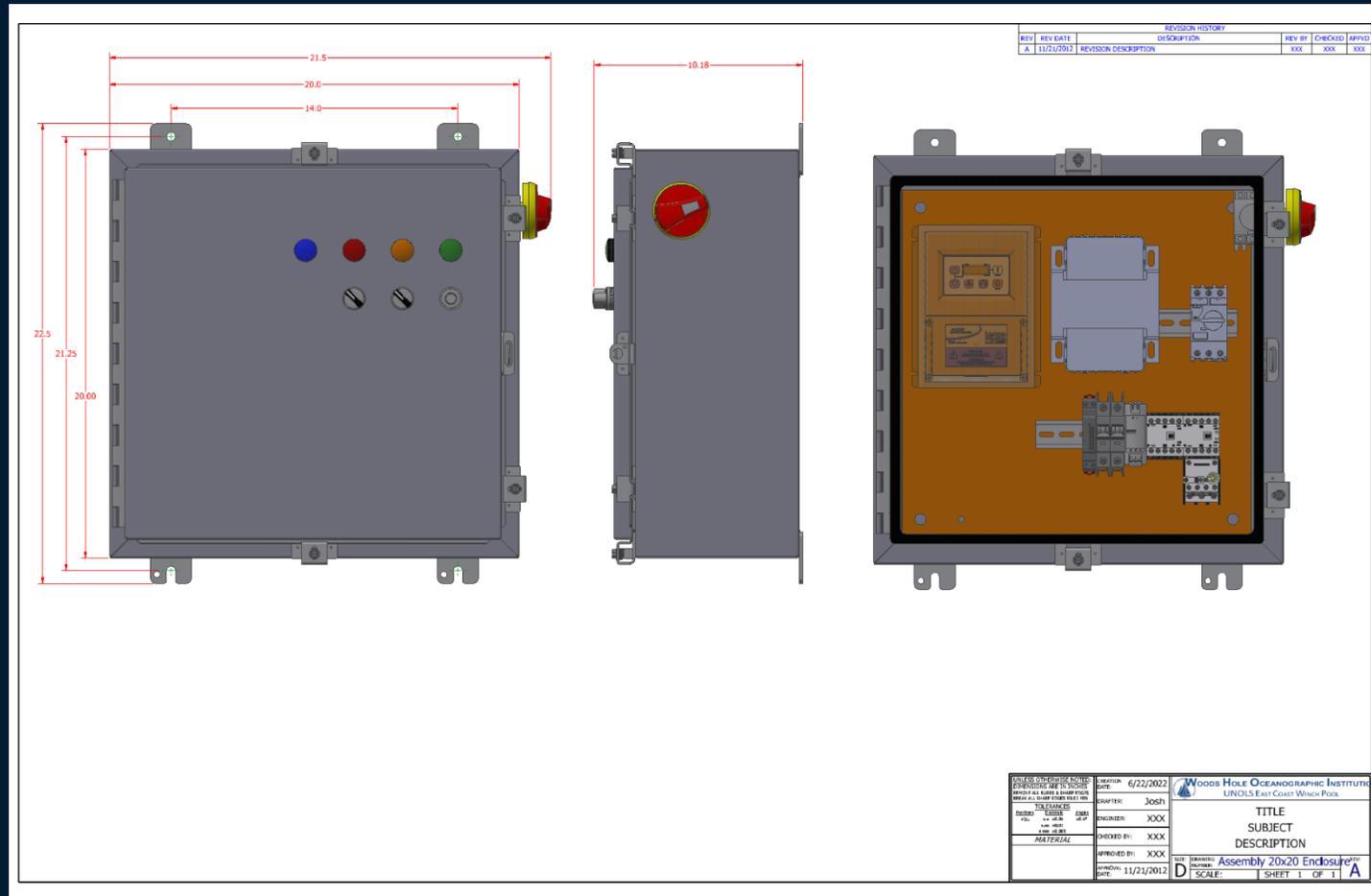


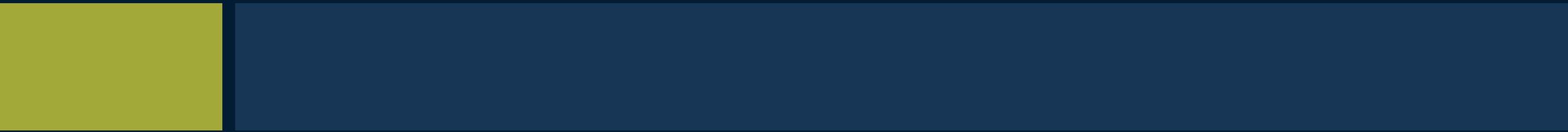


Pump Control Box

Control Enclosure

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Software

Mechanical Engineers Shouldn't Write Software

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Combine and Parse

Winch Data

All in One – Cross Platform

All written in C#

Should end up being cross platform

Combine and Parse

Live Winch Data Combine and Parse

Select a Winch

MASH Winch
SIO Traction Winch
WinchDAC
UNOLS String

Cruise Name: Enter Name OK

Combined File Name: File Name

Processed File Name: File Name

Opened File: File Name

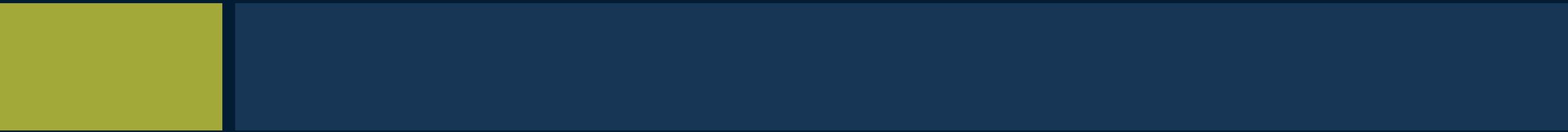
Current Line: Line

Minimum Payout:

Minimum Tension:

? Combine Files Process Files

Select Directory



Wire Cutter

Guidance

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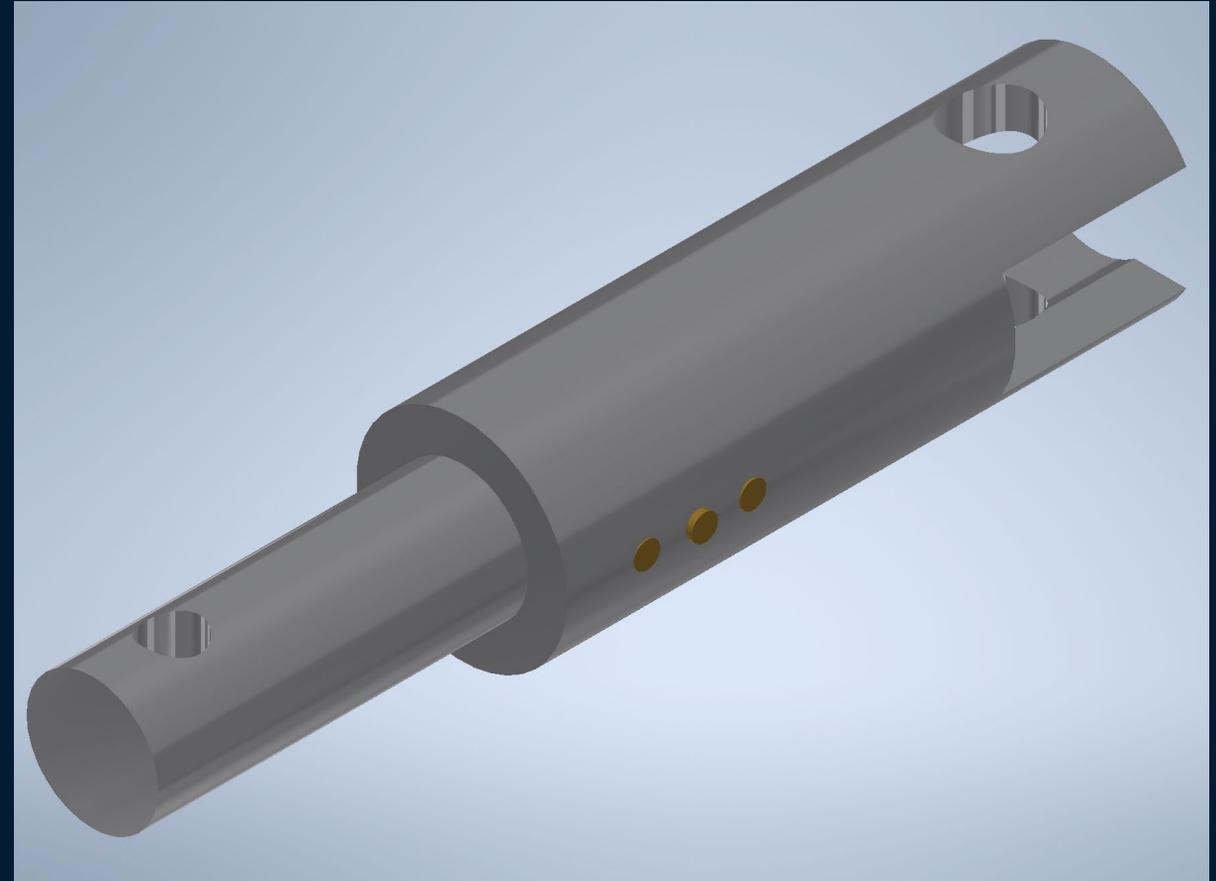


- New guidelines coming out soon
- Recommended Pin updates
 - ▣ Solid (Full Strength)
 - ▣ 0.266 (1/2 Strength)
 - ▣ 21/64 (1/4 Strength)
- Maintenance
- New Source

Weak Link

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- Same pins as the wire cutter
- 2,000 Lbf to 27,000 Lbf
- Is there interest?



Questions

Where I avoid actually answering questions