

New Truck Build



Kent County Road Commission

10 Builds per Year

3 Fabricators / Builders

Steer Axle Placement

Set forward Axle

- Gain frame space

- Slight increase in turning radius

 - About 1'-3' depending on the layout

Set Back Axle

- Reduce frame space

- Slight decrease in turning radius



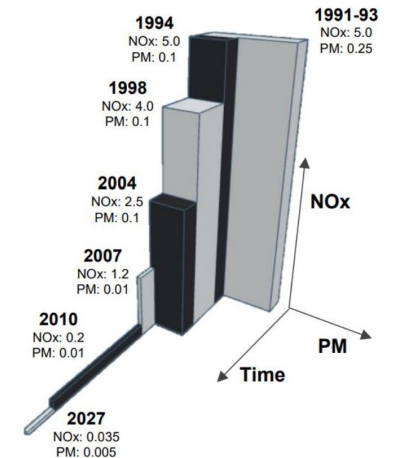
2027 Emission Change

- Engine Manufacturers
 - Removing some engines from product lines
 - Adding new engines to the product line
- Aftertreatment placement
 - Paccar / Cummins are adding a bigger aftertreatment box behind the cab
 - Detroit aftertreatment box is located under the chassis
 - International aftertreatment box is located under passenger side of the cab
- 2024 Emission Credits
 - Are available from some manufactures for a cost
 - Can last till 3rd quarter next year

REGULATORY REQUIREMENTS

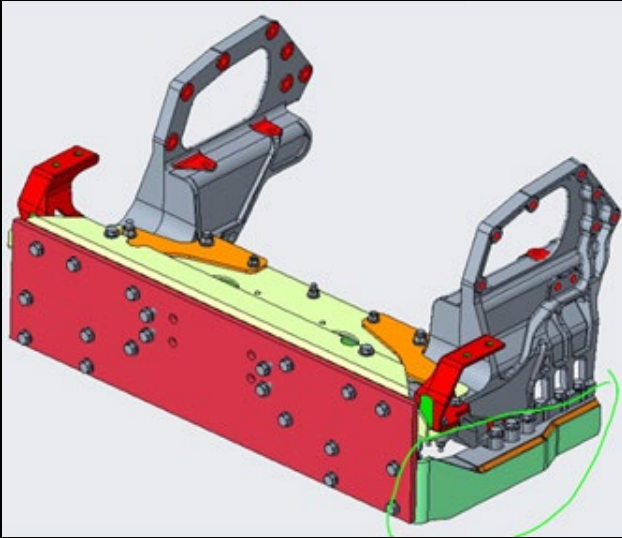
EPA27 IS THE LARGEST REGULATORY CHANGE SINCE 2010

- Regulatory requirements for NOx and PM have remained flat for over 10 years
- For 2027, EPA NOx limits have been **reduced by >80%** from 0.2 to ≤ 0.035 g NOx/hp*hr
 - Greater than 99% NOx reduction from EPA1994
- Emission Warranty and useful life requirements also increase
 - MHD: 5yr/100k mile -> 10yr/280k mile
 - HHD: 5yr/100k mile -> 10yr/450k mile
- **Conclusion:** Engine and Aftertreatment systems must achieve an unprecedented level of performance for longer than ever before



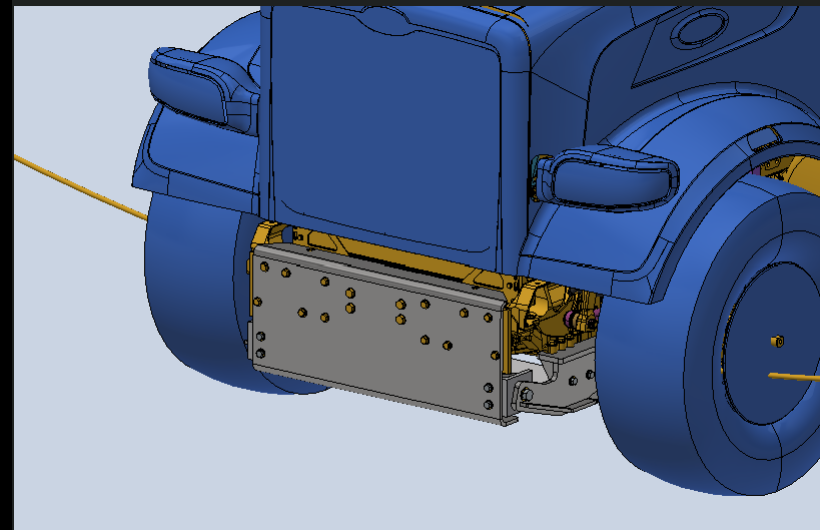
Design Change

Front weldment for plow hitch assembly



No front PTO option (Peterbilt)

Need additional space for the radiator

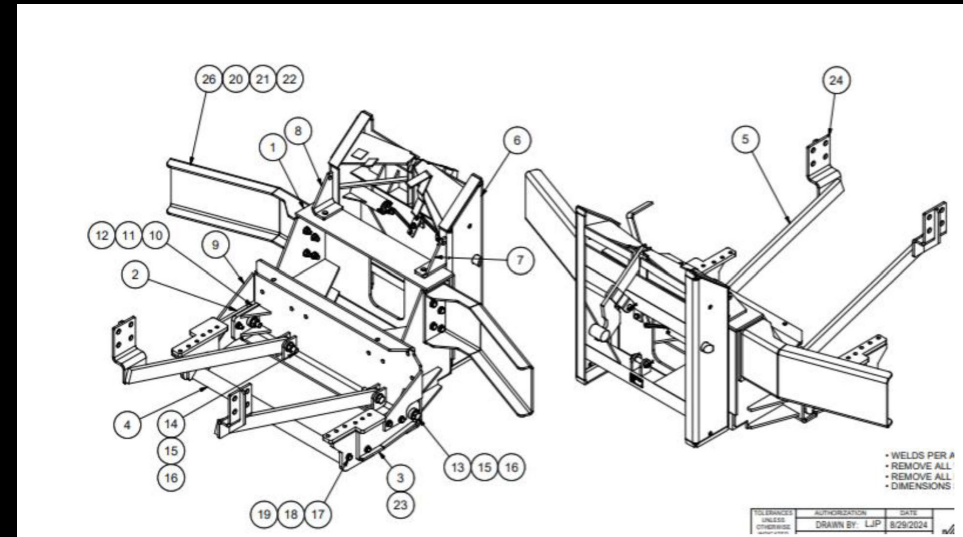


Design Change

Husting hitch frame

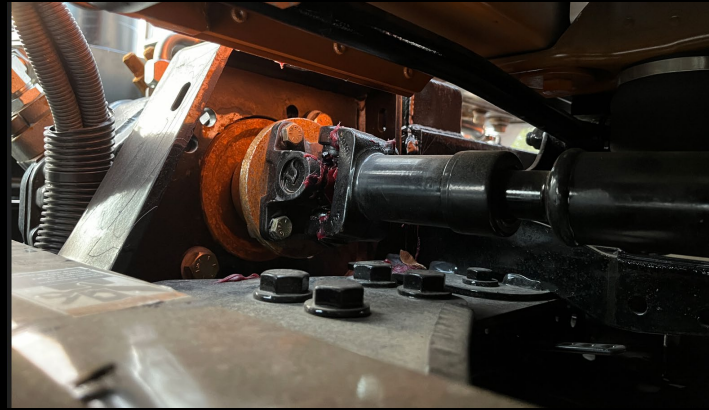


New husting hitch design for Peterbilt

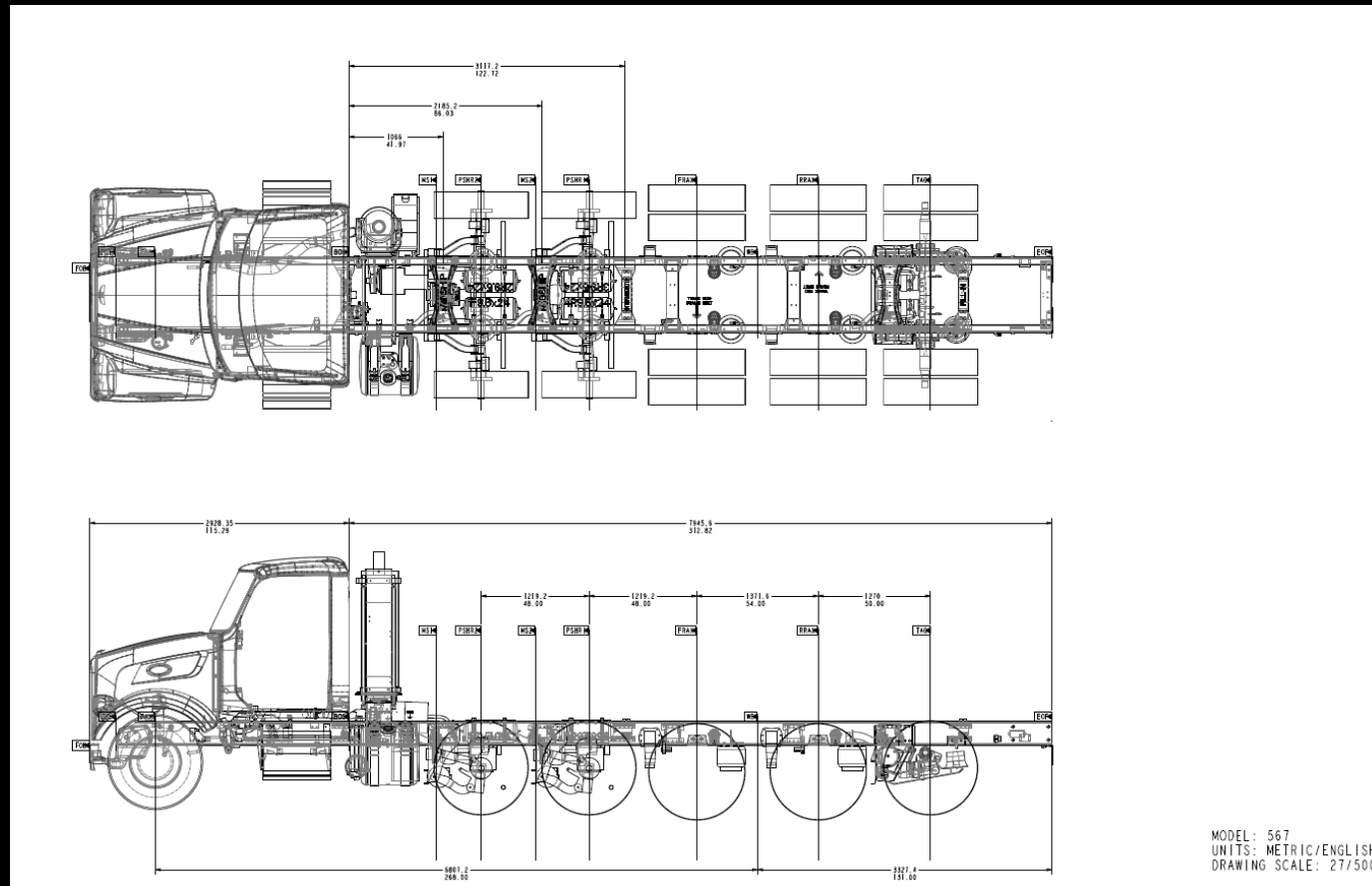


Design Change

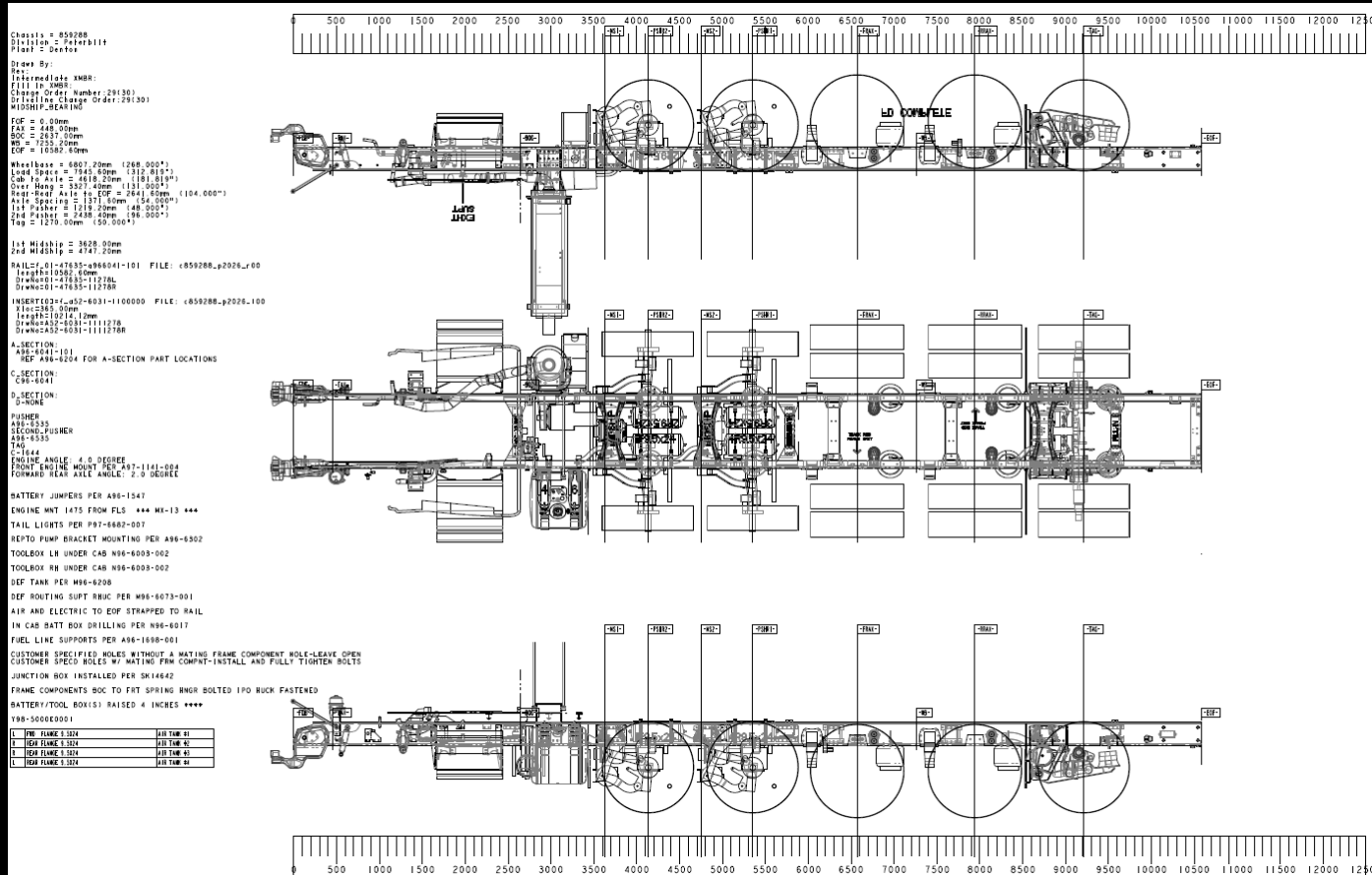
REPTO (Rear Engine PTO)



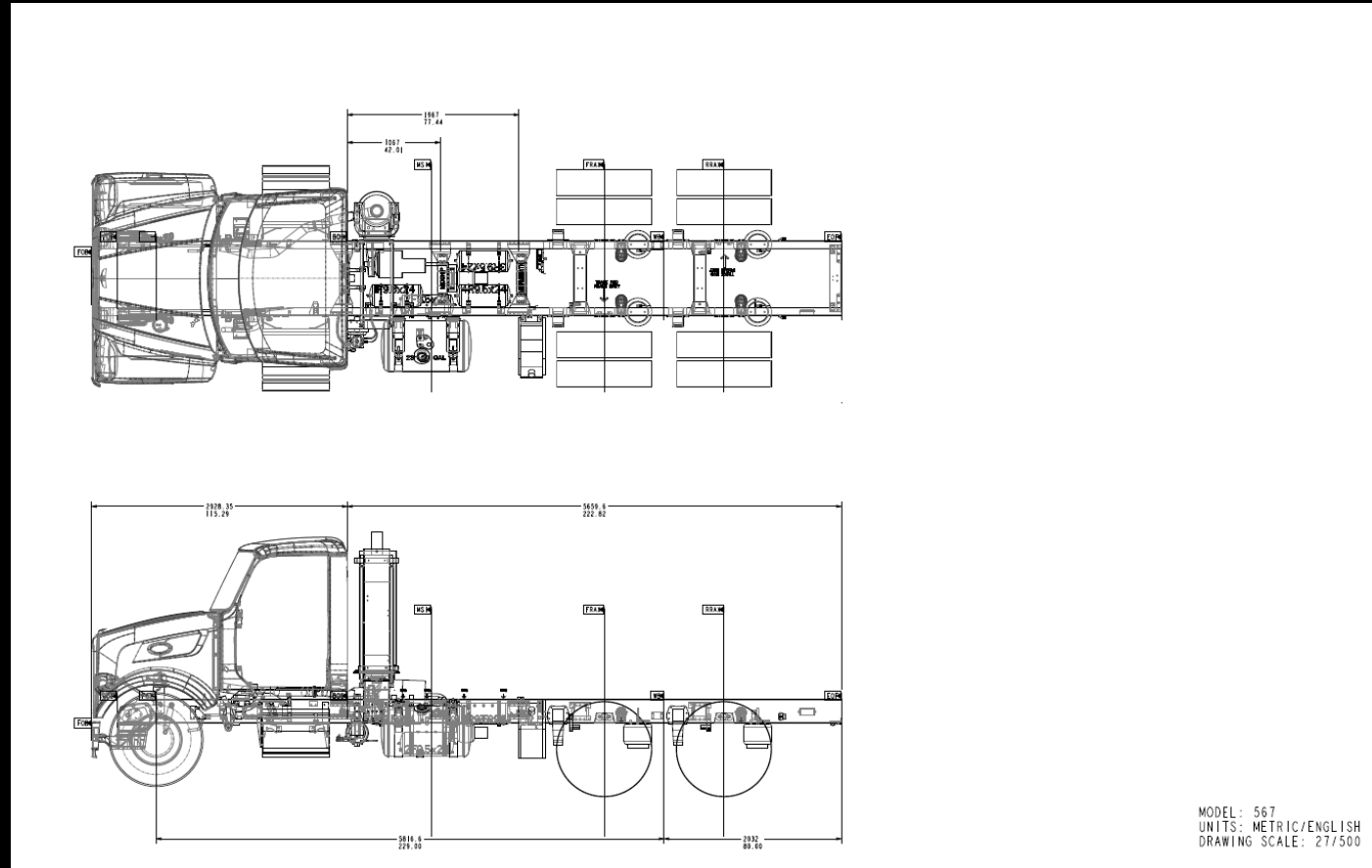
5- axle Layout (567)



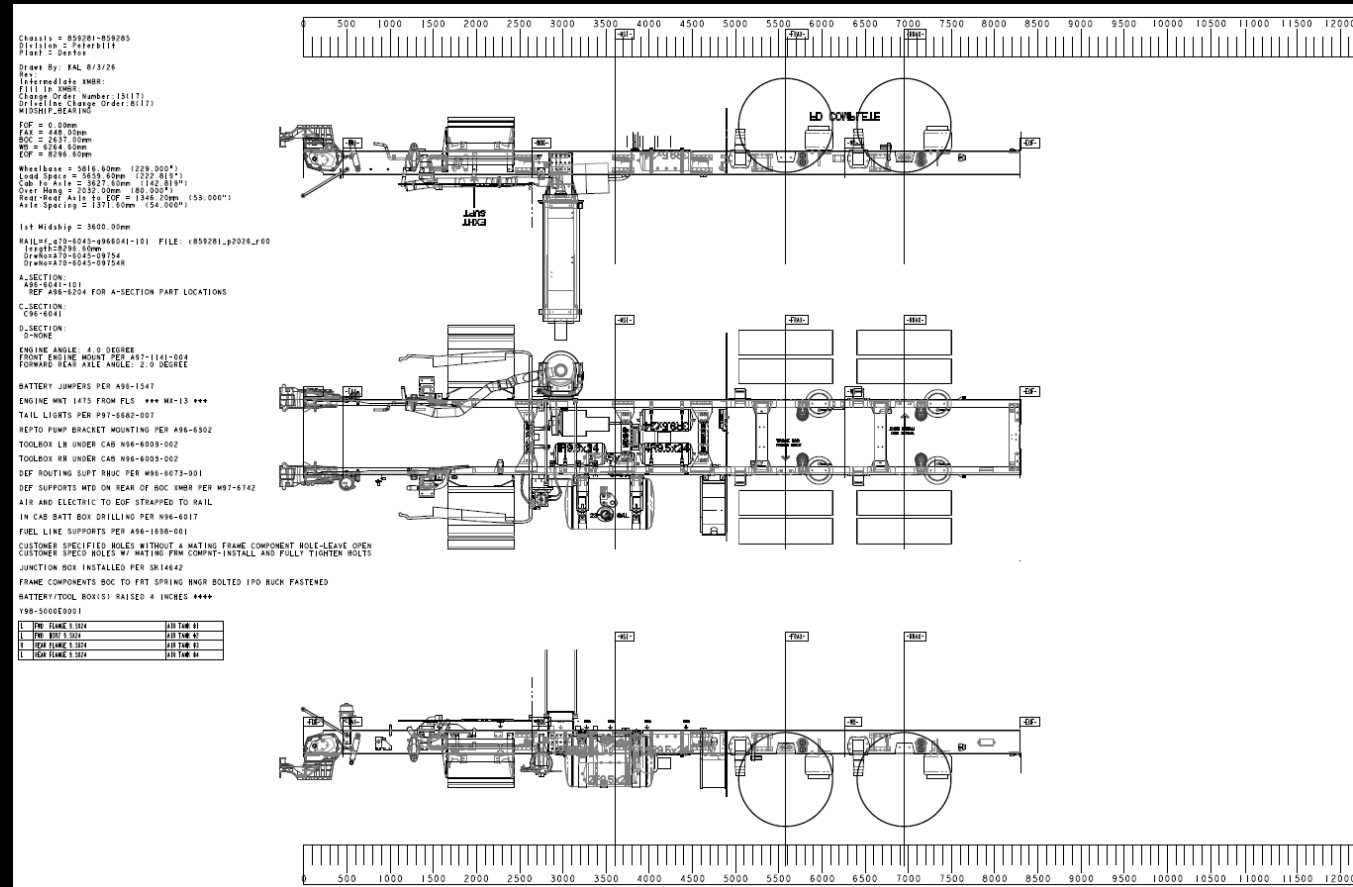
5 – Axle Layout (567)



Tandem Layout (567)



Tandem Layout (567)



Components

Scrapers - Wings



Monroe Wings and Scrapers

Hydraulic Valve Body



Mix of Air over Hydraulic and Electric Over Hydraulic

Fuel Tanks

110 / 35



Finish Tanks ready for install



Controls



Air Control Valves



Selecting proper box

Dump Body (12',14',18')

Duzmor



Live Bottom

Summer (Remove Scraper Add Axle)



Winter (Remove axle add Scraper)



Truck Configuration

Tandem



Single Axle



Truck Configuration

Tandem



Tri-axle



Wings

6'



9'



Wings

Right



Left



Spreader set-up

Duzmor w/ Cross Conveyor



Tailgate Sander



Slide in Units

V-box



Anti-ice



Add on

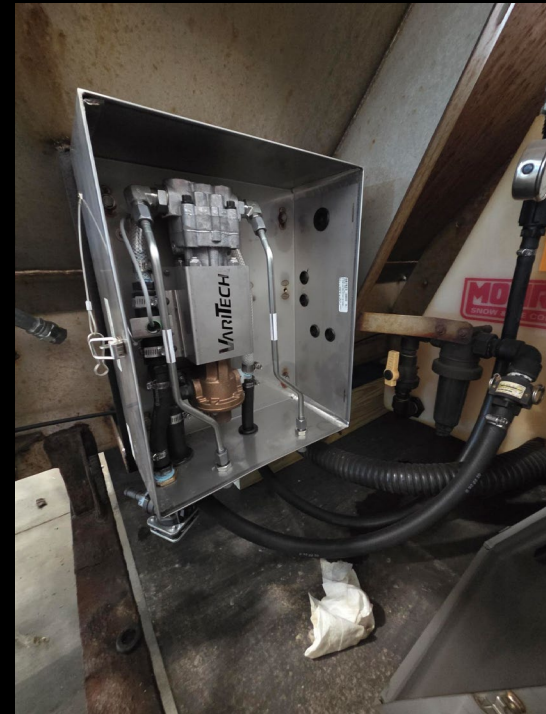
Chutes



Prewet



Bumper assembly w/ spinner



Fab Work



