

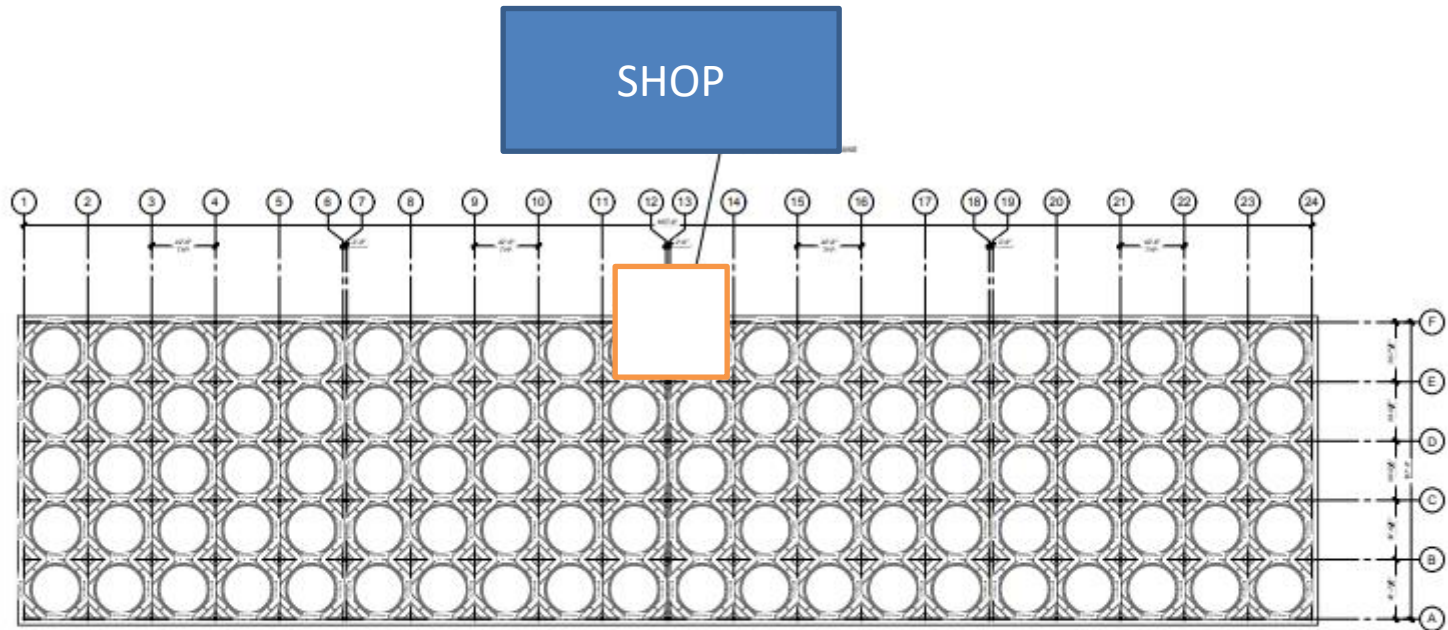


# ACC Reliability Improvement

**Rishi Velkar**

Plant Supervisor

# Elevator



PLANT



# Elevator



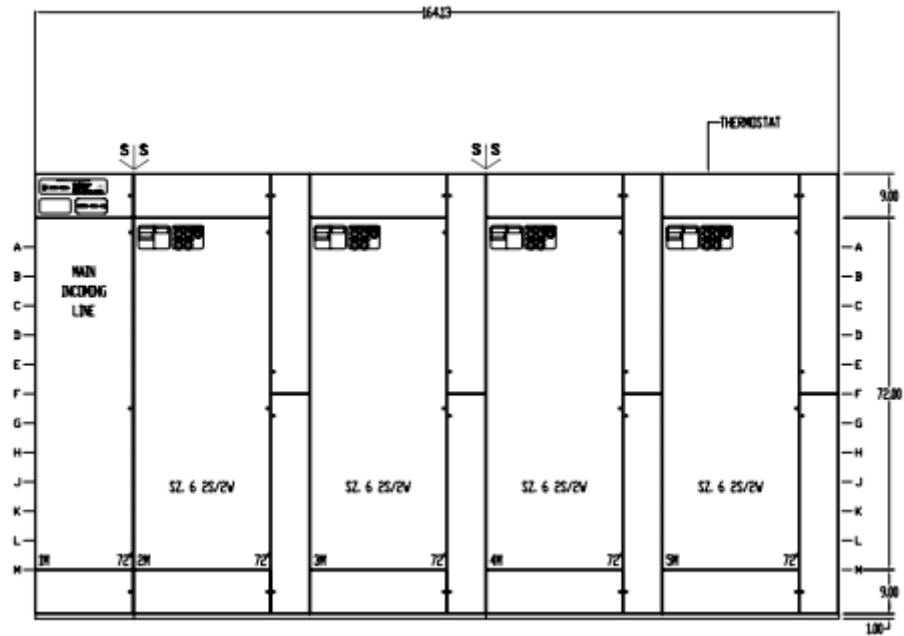
- Installation cost:

Other expenses

- Annual certification/load testing
- Overspeed Governor replacement every 5 years



# MCC for fan motors





# Damage to Fan Cubicle





2MW derate for 20 weeks.

Recommendation: Stock a spare breaker or even an MCC.

# Vibration, Oil pressure, Temperature monitoring



Trendmaster® Dynamic Scanning Module (DSM)



# Vendors



- Emerson
- Bentley Nevada
- Alta Solutions

Estimated: \$1M (could be less with wireless)



# Gear box replacement



- 8 gear boxes to be replaced every year.





# Old vs New





# Issues encountered



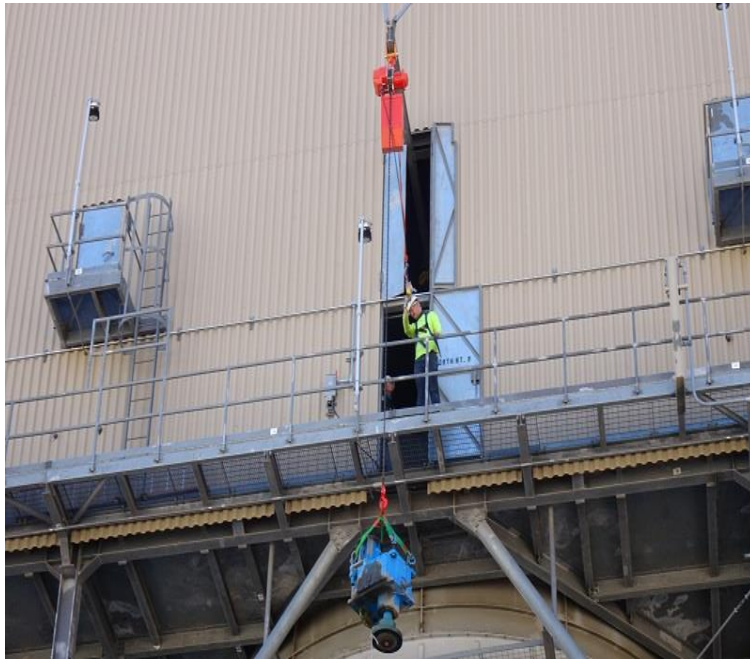
# Concrete landing structures



Lowering 2H ACC fan gearbox to the ground



# New Cranes

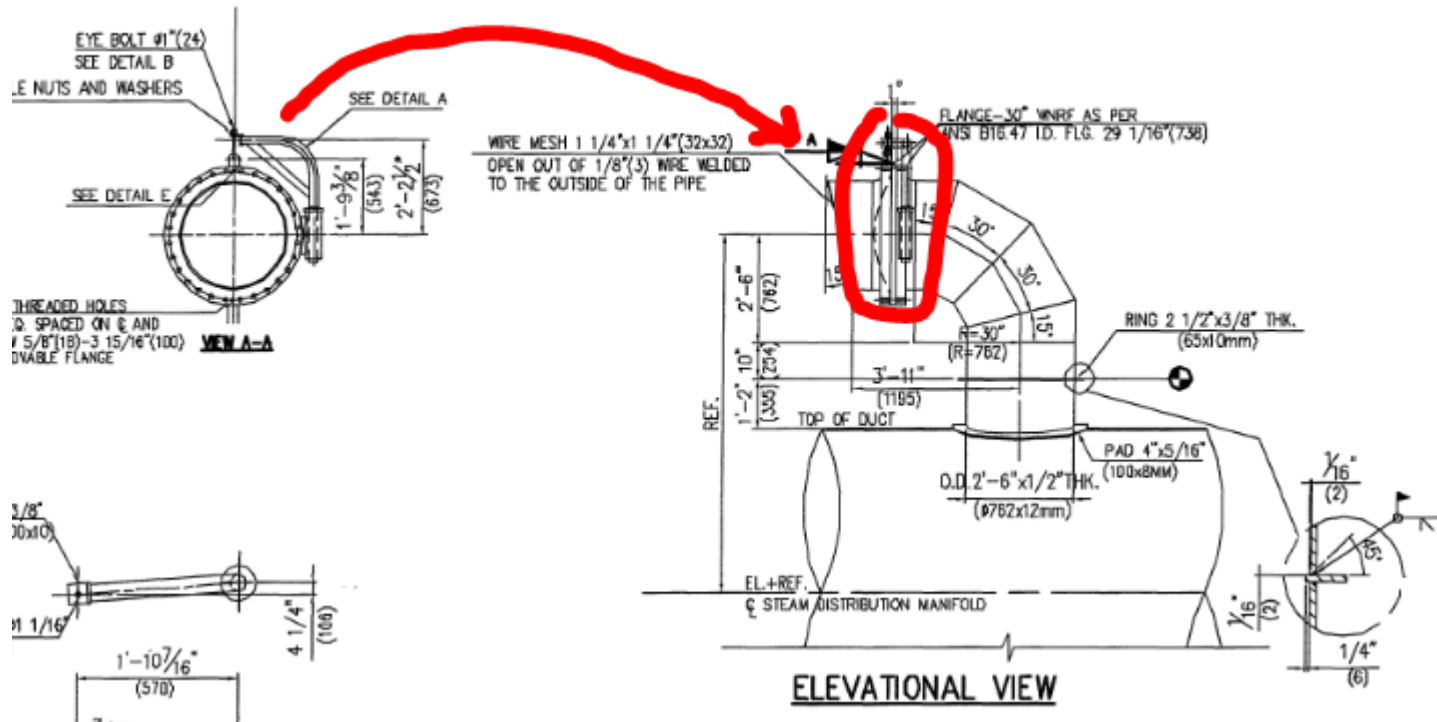




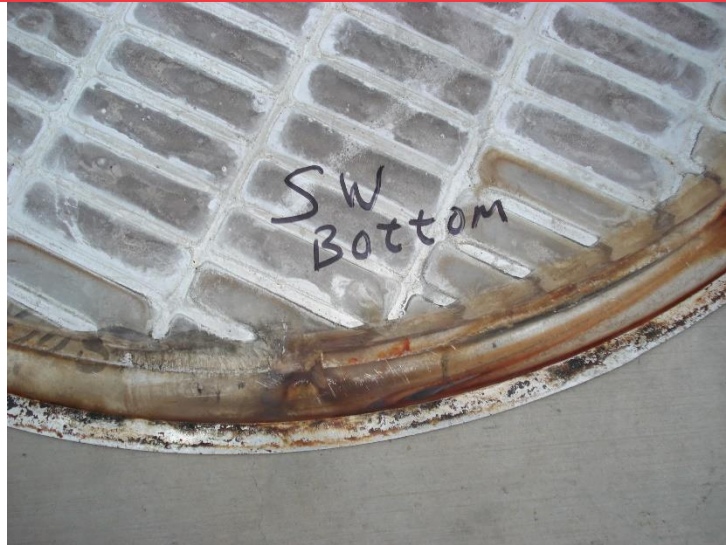
# Rupture Disks



## Stocked 4



# Damage



# FUTURE PROJECTS



- Replacing Fan Motors
- Replacing Fan Blades
- Installation of VFDs
- Replacing nozzles inside the hogger
- Installation of Aux boiler to hold vacuum
- Installation of motorized Vacuum pumps.
- Stocking hogger valves.



 **NV***Energy*