

TITLE: Design system to allow a scissor lift to drive up/onto a current load rated walkway
SPONSOR: Steel Dynamics Inc.

Proposal/Scope

This is a safety and prevention mechanism for the area of the mill.

Design Parameters:

- A typical scissor lift used in the area is a JLG 1930 ES, spec sheet attached.
- The total elevation change is roughly 5' 6".
- The structure needs to support the scissor lift and multiple people, and last for a long time.
- Structure needs to fit around existing equipment.

Design Considerations:

- A physical ramp is preferred, however, if room makes it not a viable option, hydraulics are easily accessible in the area to change design possibilities.
- The possibility of making the structure removable by wheels or crane has been discussed to allow access to equipment below.
- The current walkway is able to support larger scissor lifts for taller max heights, which may be necessary.

Budget: \$20,000