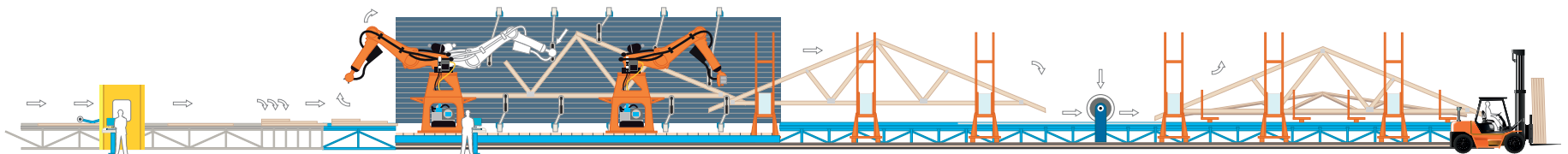


October 2024



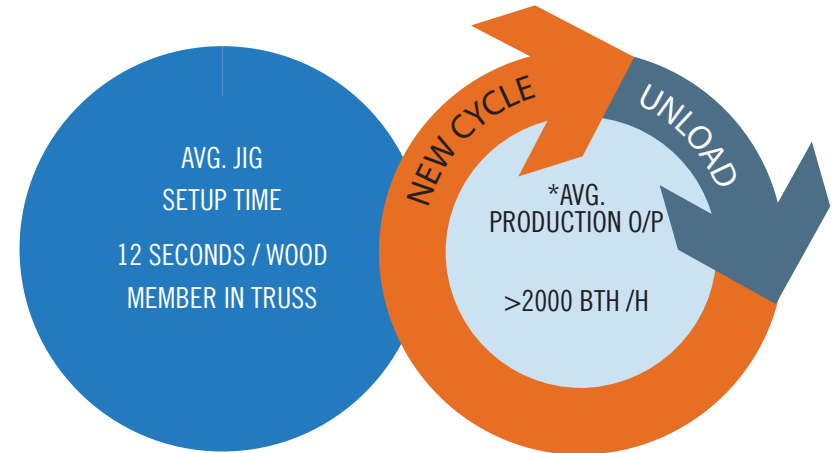
First Fully Automatic Production Line for the Wooden Roof Truss Industry



# Performance of the Trussmatic Line

## LINE INFORMATION

Length of assembly wall	60 -88 ft. ( 18.28 – 26.8 m)
Height of assembly wall	20 ft. (6.0 m)
Number of robots	2 pcs.
Number of operators	1 person
Max truss size	Height approx. 12.5 ft. (3.8 m) Length approx. 60 ft. (18.28 m)
Min truss size	Height based on truss shape Length approx. 10 ft. (3.05 m)

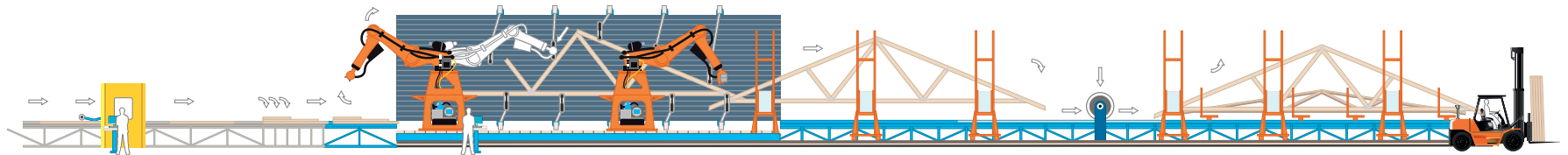
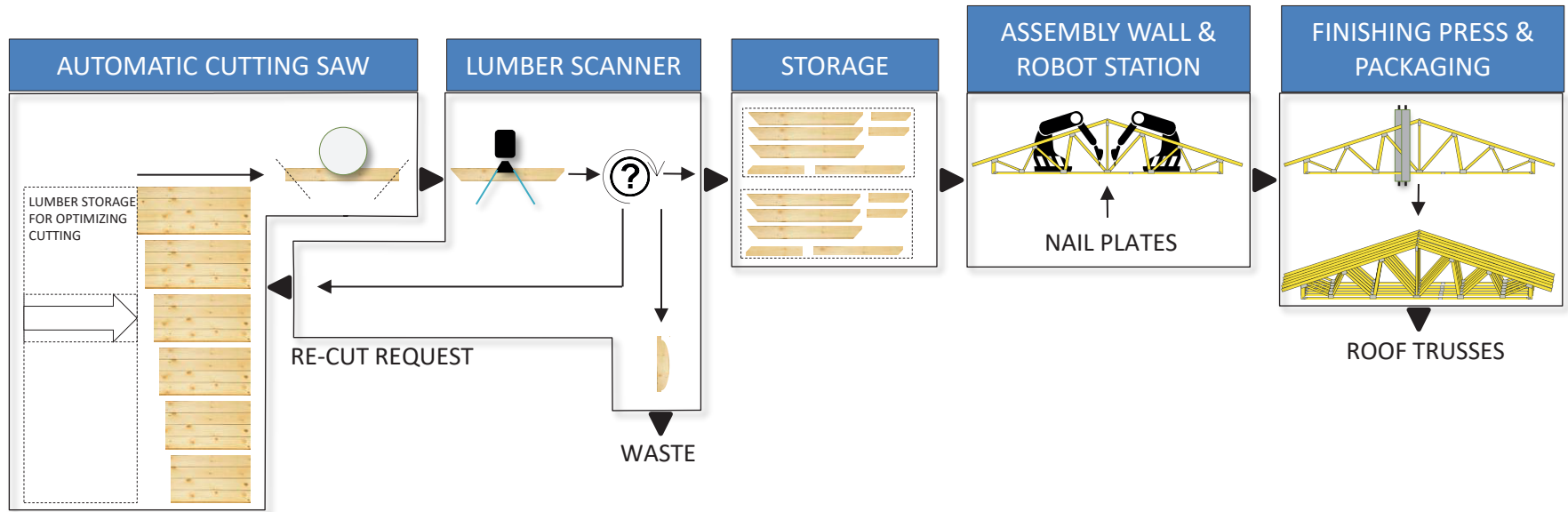


\*Depending on trusses / lumber

## TRUSS EXAMPLES



# Trussmatic Production Line Flow-chart



# Trussmatic Solution and Benefits

## Trussmatic Solution and Benefits

- Fully automated and network connected production line
- Two industrial robots
- Requires 1 person to operate
- Can operate 24/7
- Online monitoring and remote operations
- Flexible production capacity from CAD-design to production
- Integrated into an automatic linear saw operation and production automation systems
- Offerings: installation, commissioning, maintenance and service
- Safer working environment for operators

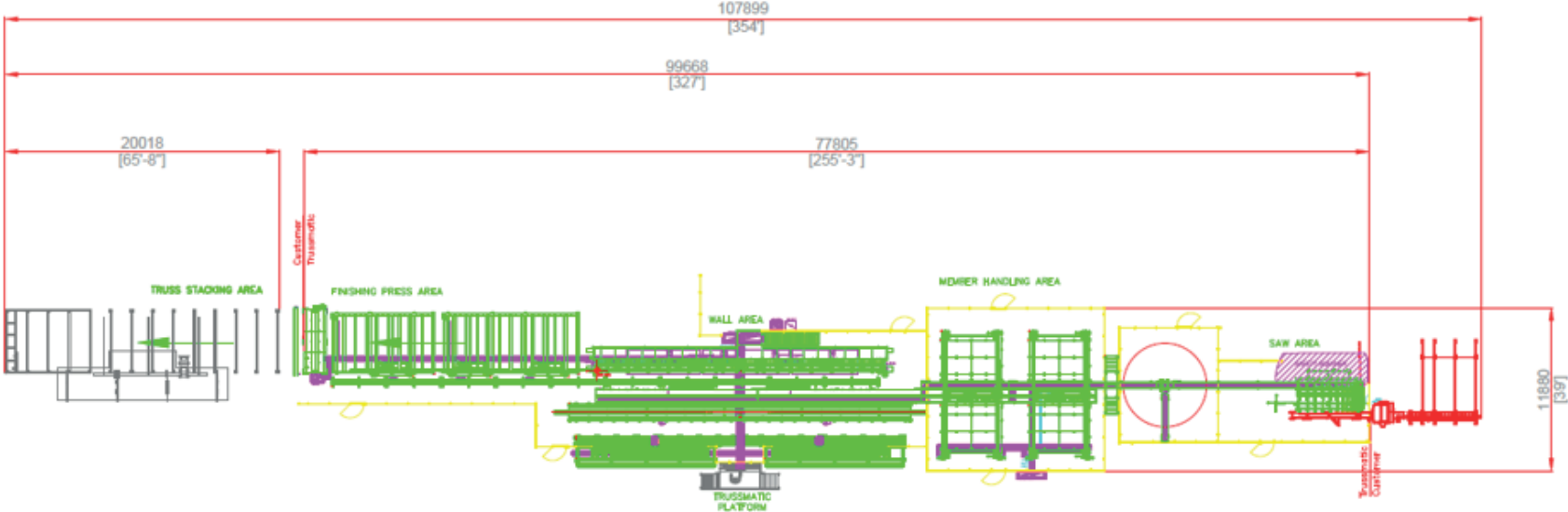
## ROI

- Direct labor costs
- Less recruiting costs
- Less personnel = less administration costs, overhead
- Vertical process, smaller footprint, less floor space needed
- Internal logistic cost, forklifts, components handling
- Infrastructure costs, smaller buildings
- In total operational cost per truss is less than in manual process

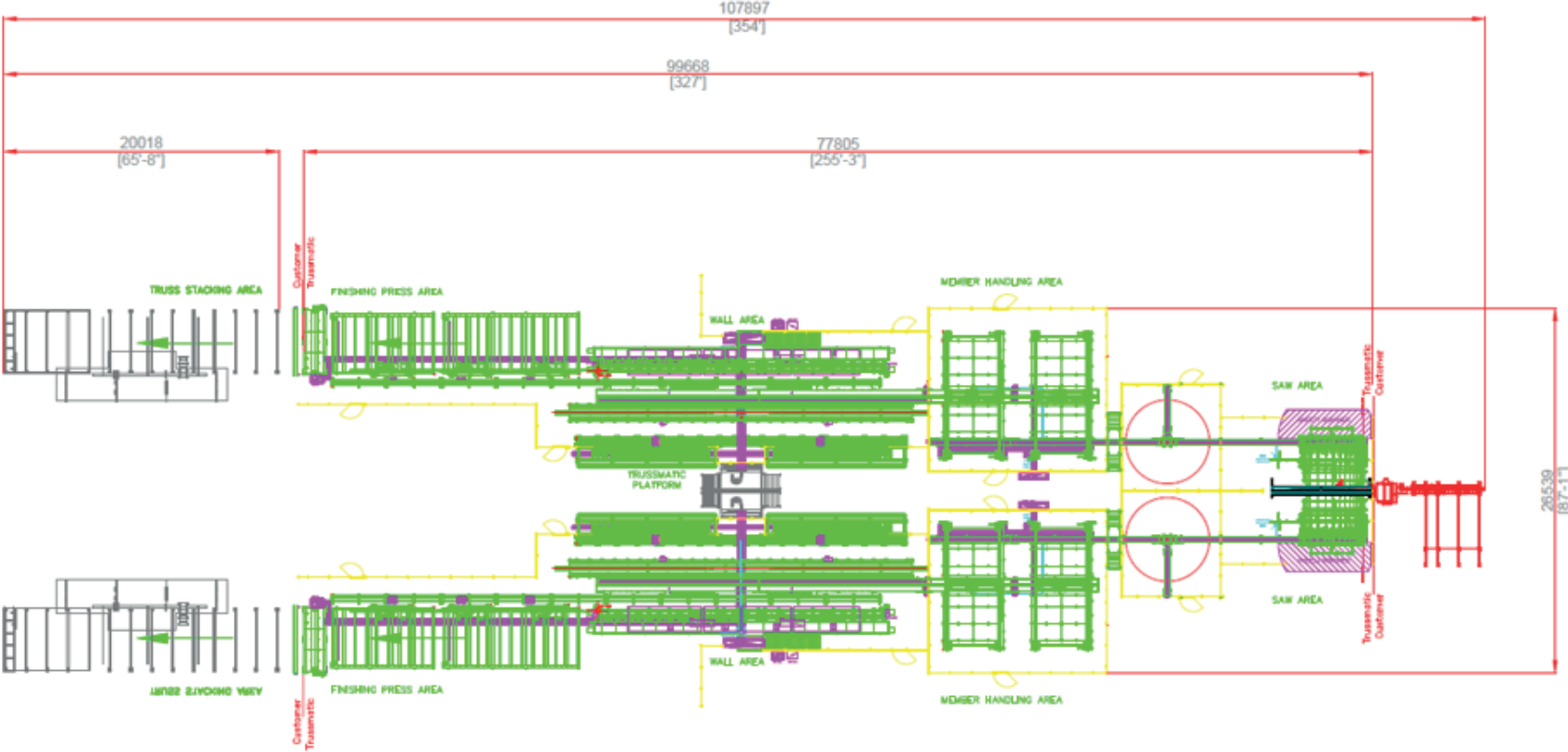
### TRUSS EXAMPLES



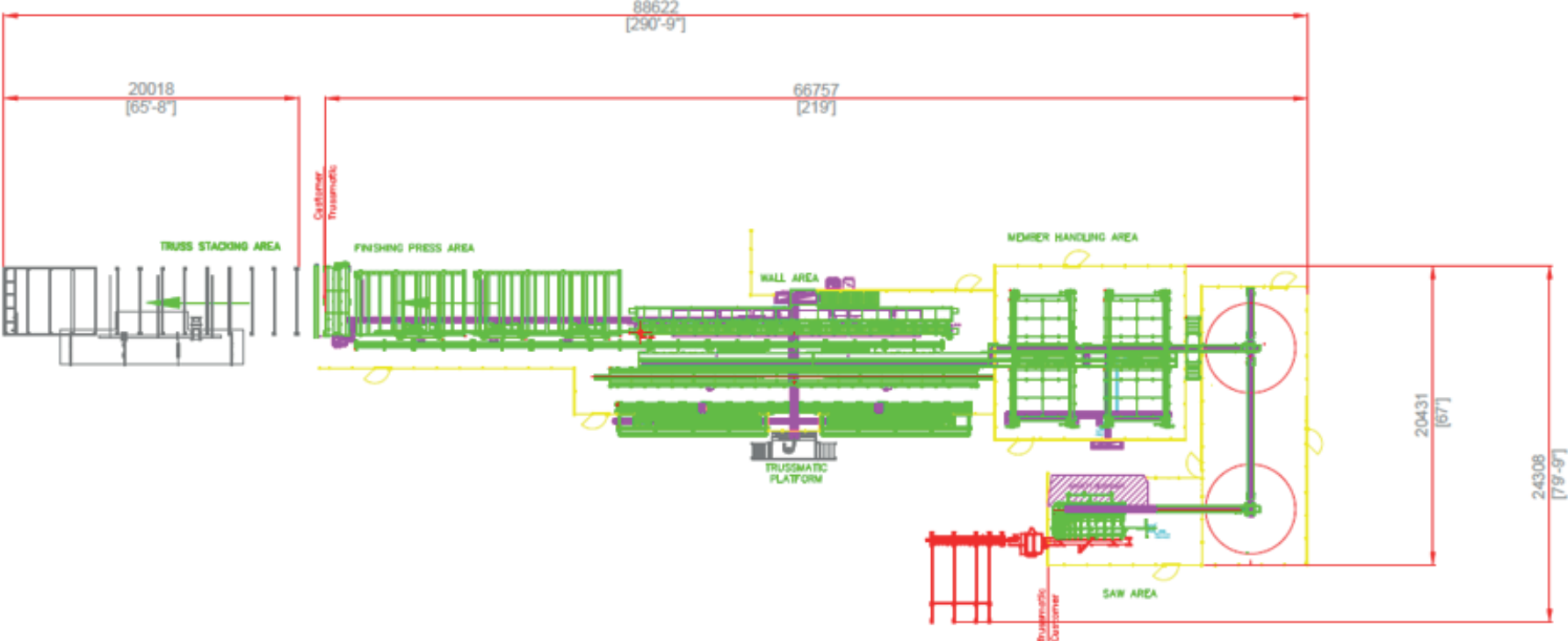
# Example of Straight-Layout



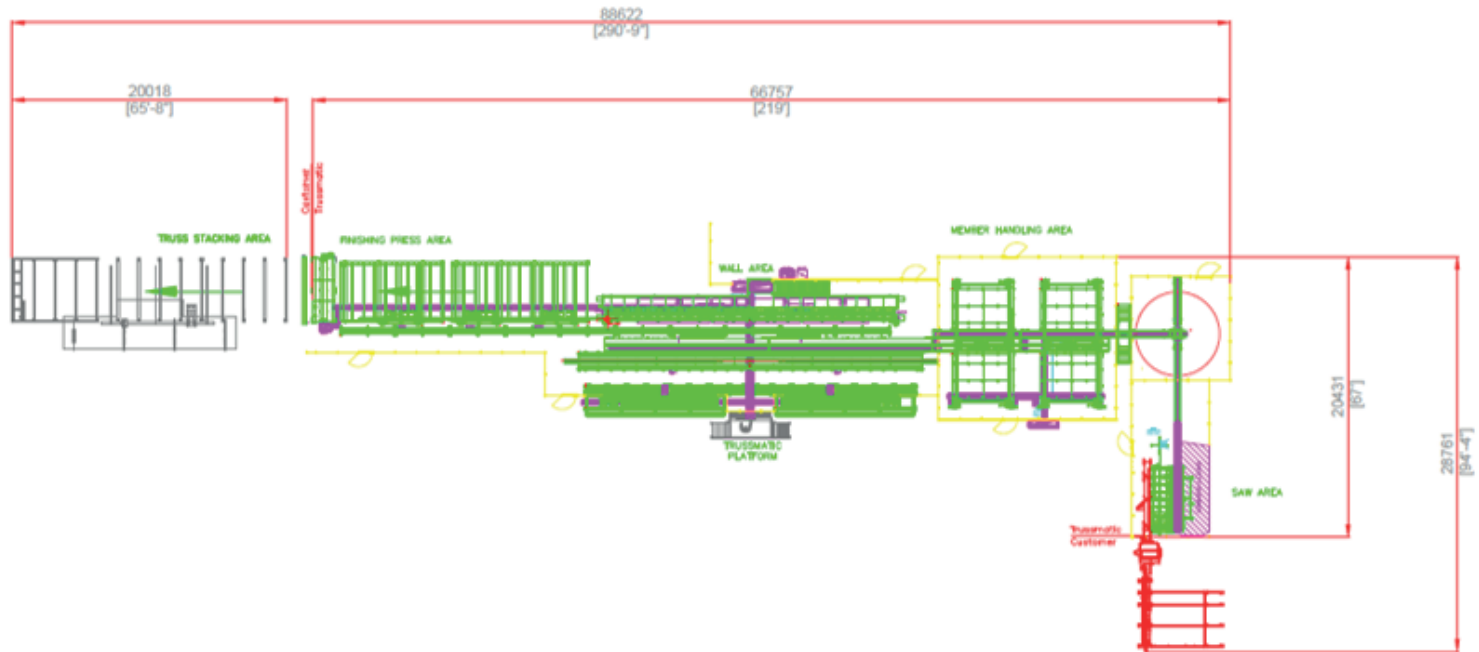
# Example of Double Line Layout with One Saw



# Example of U - Layout

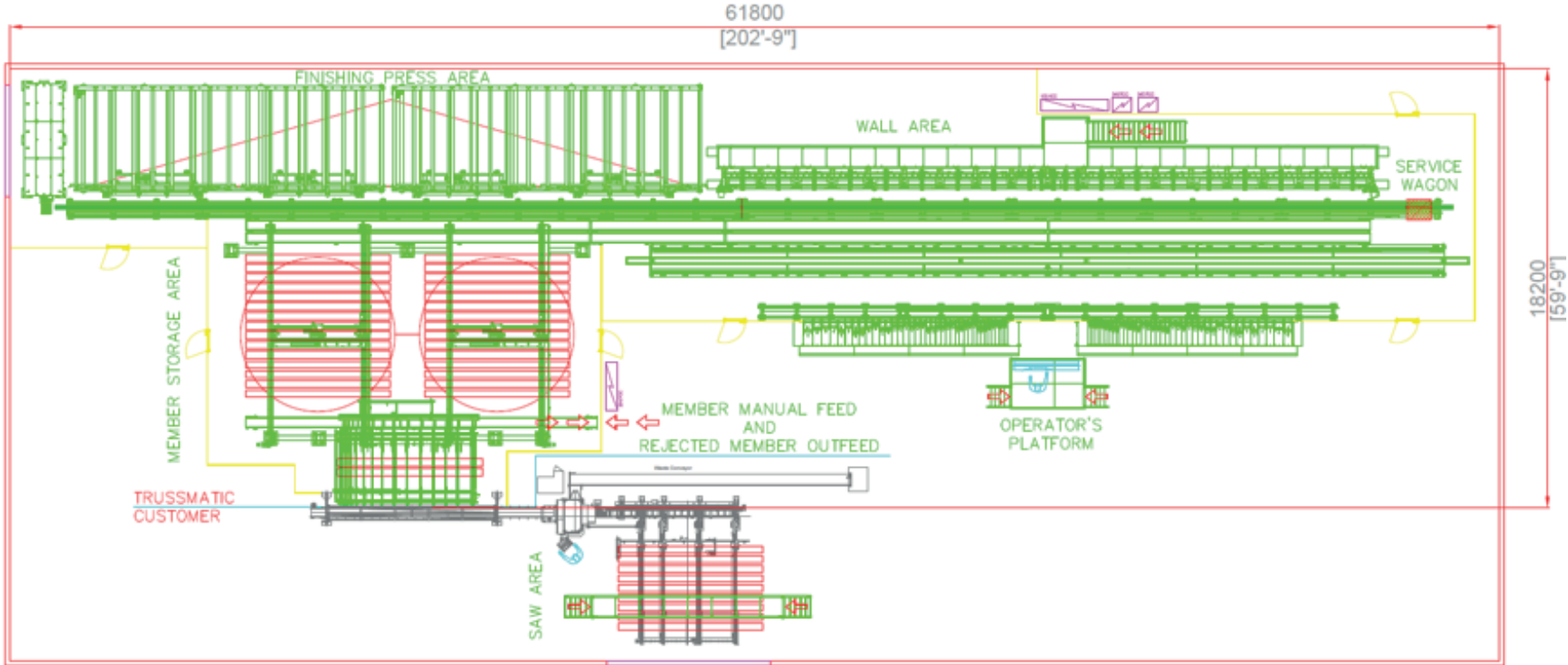


## Example of L - Layout

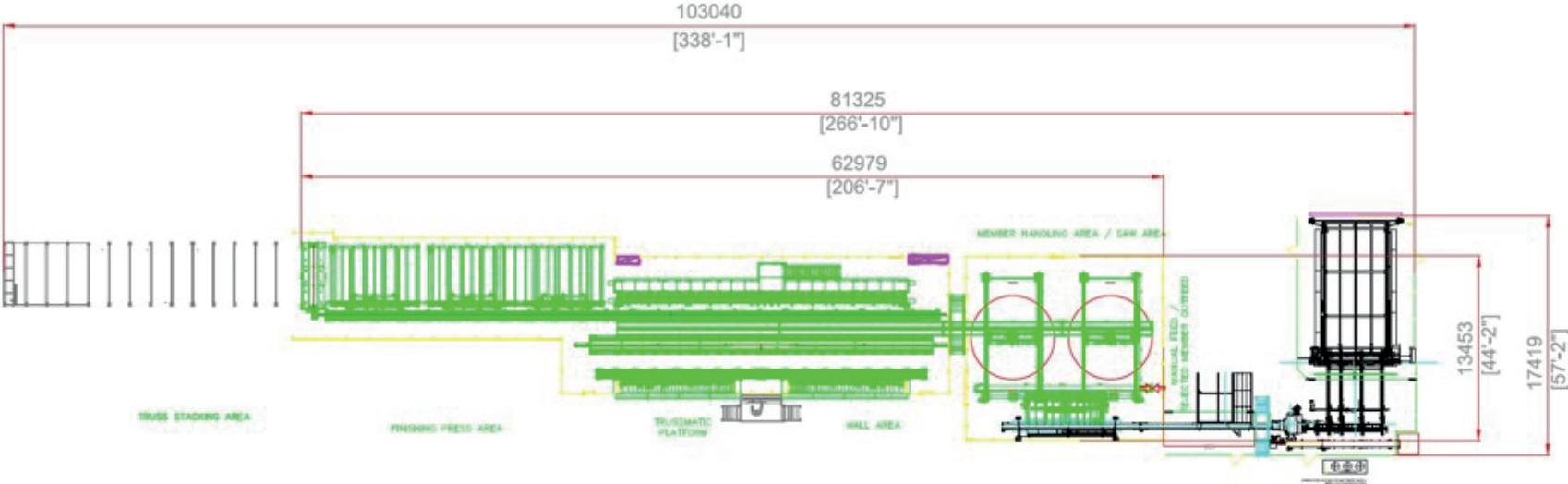




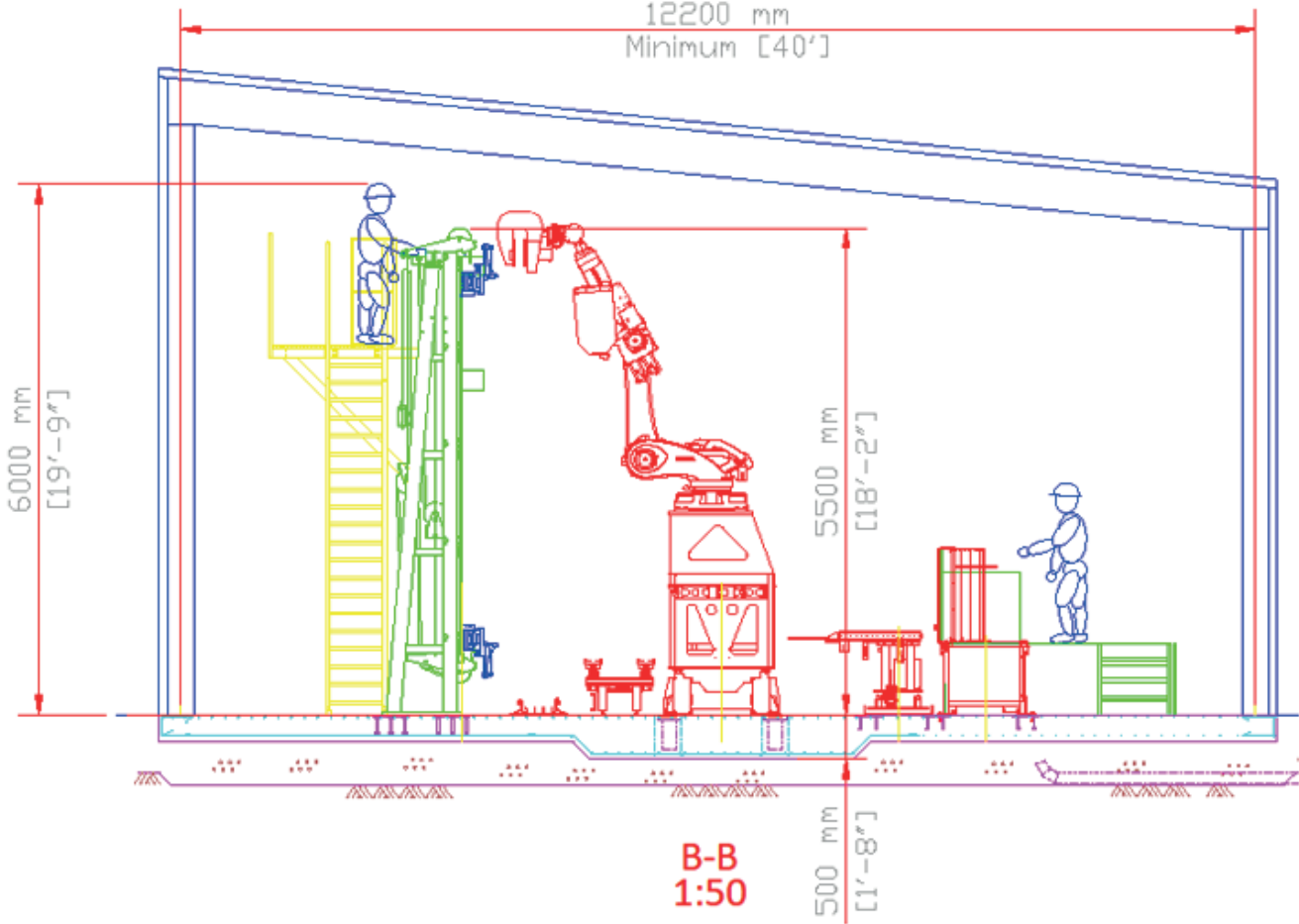
# Example of Compact Layout



# Example Short Line Layout



# Side View of Wall Area



# Trussmatic Workflow

