



PROJECT – ASSEMBLY

## Sheet Metal

POST-SECONDARY

### Chassis Assembly

1. The two halves of the chassis are to be formed and then solid welded at 2 corners.
2. The wheels are to be attached to the chassis with 4 ¼" rods then double nutted with acorn nuts on outside of axles.

### Fender Assembly

1. Form bends & flanges for fender pieces. Fender 1 attached to fender 2 with a solid weld.

### Chassis to Fender Assembly

1. The chassis is attached to the fender assembly with 6 evenly spaced tack welds per side (long side)

### Boiler Tube Assembly

1. Form parts B1- B4, B4 attaches to B1 with a 1/4" double seam. B1, B2, B3 attach to each other through elbow edges

### Cab section Assembly

1. Form all H sections
2. H1 attaches to the two H2 sections via double seams. H3 attaches to the two H2 sections via double seams. H4 attaches to the rest of the cab assembly by 4 blind rivets through the ½" flange on the 2-H2 parts.
3. H5 attaches to the cab section by 10 blind rivets, 2 per side plus 4 on back platform through ½" flanges.

### Final Assembly

1. Boiler tube section is attached to cab section via ½" dovetail seam.
2. Chassis/Fender section is attached to boiler tube section via evenly spaced blind Rivets (3 per side) and to the cab section by riveting through the ½" flange at the rear of the fender section into the cab section with 4 blind rivets (2 per side).