



## Norfolk Southern "Boylan Tower" Instructions

*(First Read The Instructions Completely)*

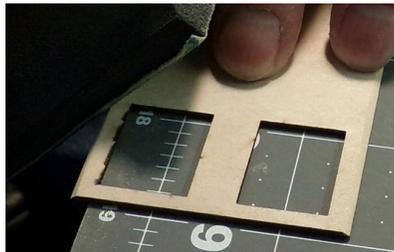
This laser kit consists of basswood and some dark laser board parts (window frames, deck handrails). There may be a few extra parts included in different thickness. As to all joining corners (sides and roof) we recommend sanding the edges in a beveled angle for a better fit. Angle trim will be used on the building corners. We designed a cradle to hold the 2 roof half's so they would not move as the rafters are glued in place. The cradle is 1/16" thick and the roof is 1/32". We found it best to glue about 4 rafters on at a time, set some weight on it and let it set for 30 minutes to an hour, then do the same again.



The last part to the roof is adding the smaller end rafter boards. Chimney end has shorter boards.



Next assemble clapboard sides, front, back and ends. Be sure to sand the corner edges to a 45° angle (below left). Now the sides are assembled and dried over night, install the 1/16" end gable and gable back brace, then the bottom floor. Some sanding may be required on the edges for a nice tight fit.



**Below:** Now spot glue the floor and add the 2nd floor braces (8). Some sanding may be required on the edges of the 2nd floor for a nice tight fit. No need to glue unless you want to add a spot here and there.



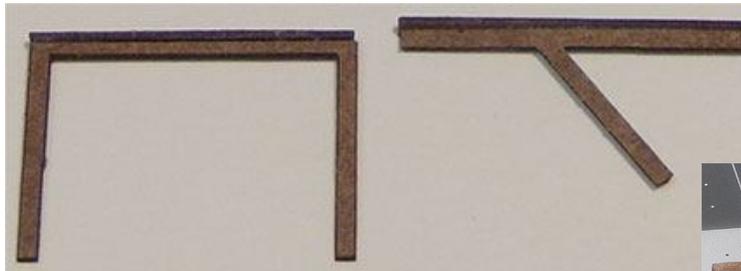
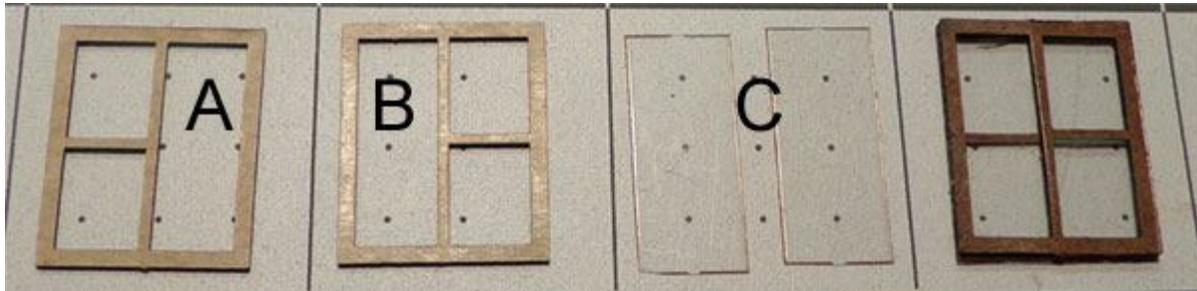
Now the Roof and the Main Building (inside & outside same pal green color) can be painted and set aside to dry. The underside of roof painted the same as the interior. Reddish brown for the roof shingles.

# East Coast Laser Kits

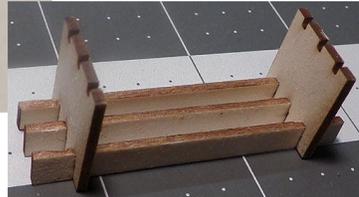
The "peel & stick" dark laser board works great here since it will be painted the same as the sides. Next we assemble the awning. The ends should go only one way. Look at the left photo below.



**Windows Assembly Below:** It would be best to paint the window frames before assembly. A & B section has the peel & stick back. Remove the peel & stick paper and place one C clear windows on the left side of A and the other on the right side of B, then place A on top of B. The far right image shows the final assembly when turned over.

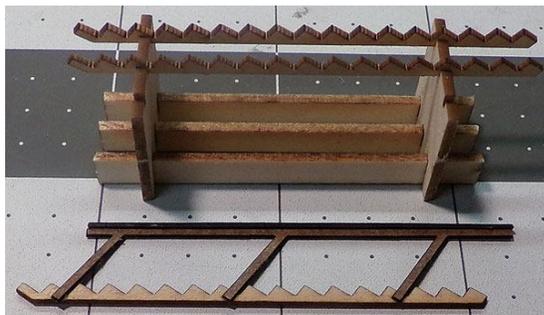


Now to the steps and hand railing. The dark laser board hand railing has extra detailing for the top if you wish to add this feature as shown on the left.



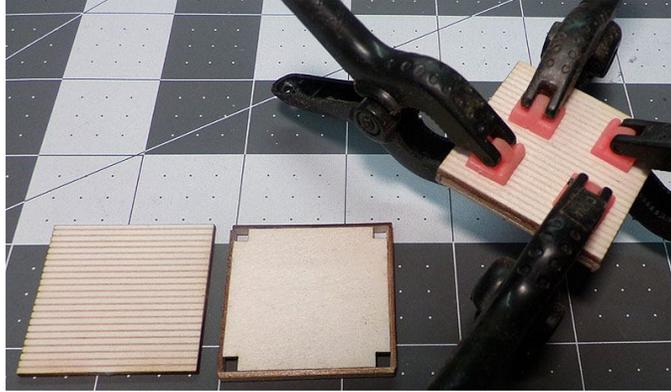
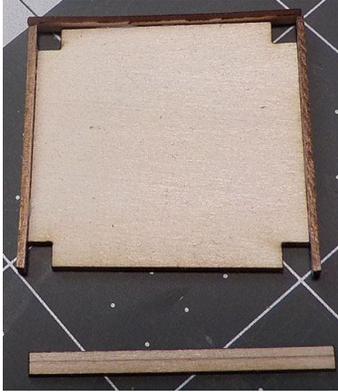
Left Image, Stairs Cradle.

**Steps:** First we add the hand railing to the Step Riser, then we place the step risers in the Stairs Cradle. Next we add the 3 notched steps on the step riser at the hand railing base then add all the other steps to completed steps.



Set aside to dry, then turn over and glue the steps from the back side. The rear steps are more of a challenge with the double hand rails.

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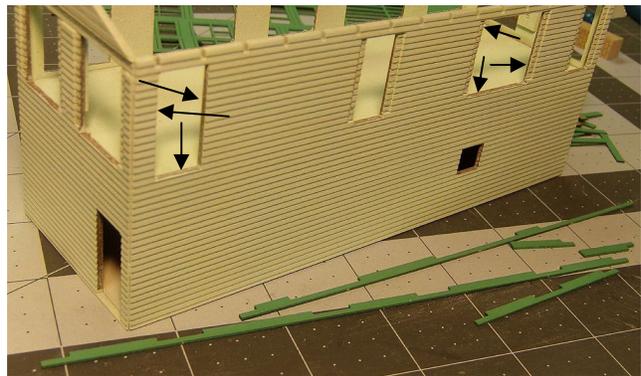


Now add the deck sideboards to the deck bottom, one side is longer than the other. Once dried turn it over and add the top. Use clamps to hold in place till the glue sets up. Next add the 4 post, let set and check the height to the building upper rear doorway.

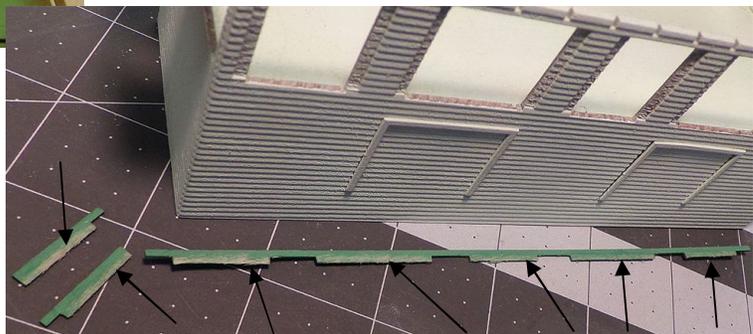


Now add the 3 or 6 deck braces, then the stairs and deck railing. The arrow indicates the side that will go against the building, no brace needed on the building side.

Our first step in the painting, main building painted in a custom pale green and the trim painted in a custom medium green. In the right below image shows the preparation needed for installing the trim and other parts. First clean the inside window and door edge openings of any paint.



The belt molding also needs to be cleaned of any paint on the bottom edge where it slides into the lower window opening.



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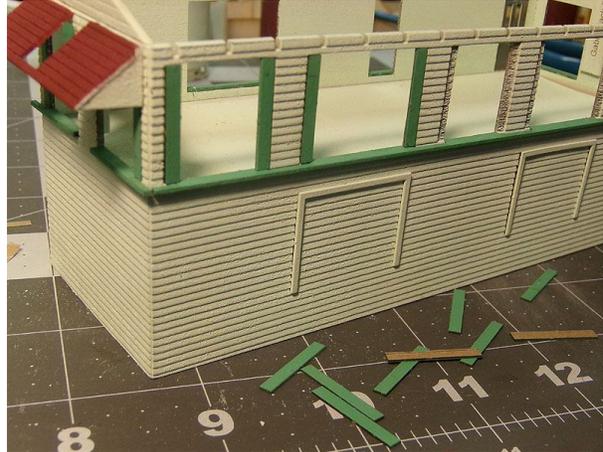
Now with belt molding installed (left photo) we found a problem with the deck railing brace hitting the belt molding.



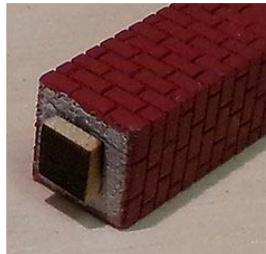
A new railing was designed with clearance to replace this railing (right photo).

Now add the window vertical "peel & stick" side boards or the extra ones that glue on.

Now with the painted window frames assembled as indicated on page 2 they are then installed from the inside against the window vertical side boards. These can be glued from inside along the edge of the walls.



Once the chimney top is added, paint gray around to simulate concrete mortar as shown in the left photo.



Next is the vertical building corner L shape boards. Cut them to the sizes needed and paint before gluing on.



**Above Photo:** Vertical building corner L shape boards.

## Matte Acrylic Paint Color:

1. Flamenco Red (chimney)
2. Barn Red (Roof)
3. Pale Green (custom mix)  
mostly White and Christmas Green
4. Medium Green trim (custom mix)  
mostly Christmas Green and some White

