

Modular 20 Foot Midland Railways Signal Box by York Modelmaking Instruction sheets

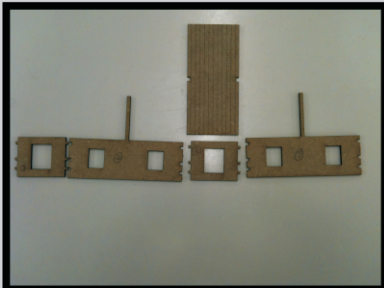
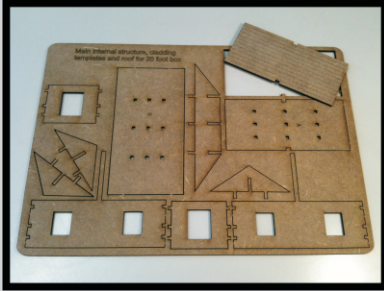


To complete this kit you will need....

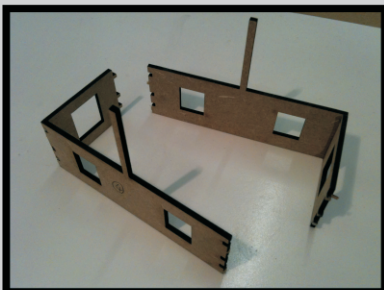
1. Sand paper and sanding blocks (240 grit.)
2. PlasticWeld with fine brush.
3. Good quality superglue/PVA.
4. Paint.



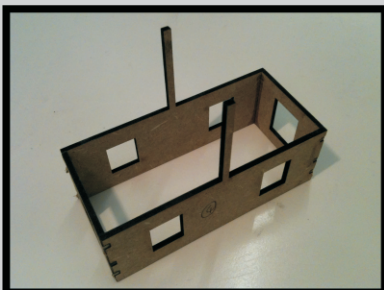
Internal MDF structure.



remove parts 1-5 from the fret.



Glue each of the short ends onto the long sides with superglue or PVA.



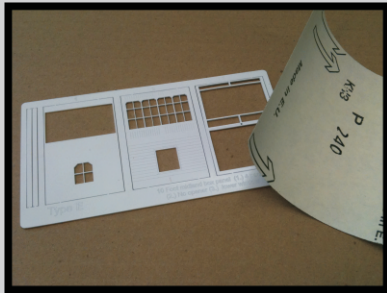
Stick the two halves together making sure they are as square as possible.



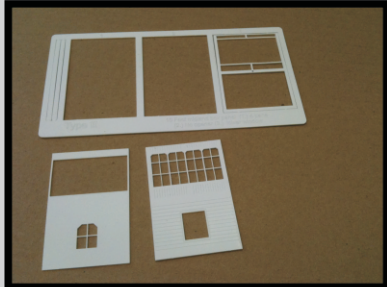
Glue the floor onto the sides, this will also help square up the structure.

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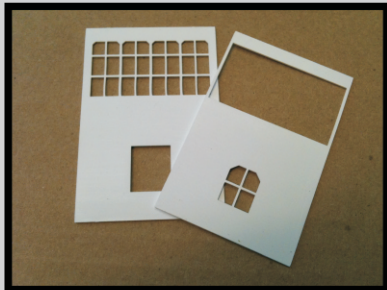
10 foot panel sections



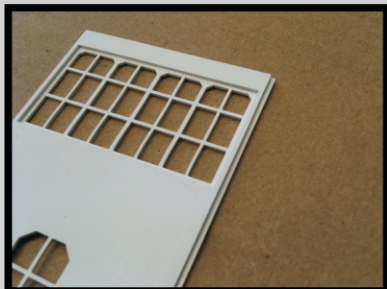
Being careful not to break any fine detail, sand both sides of the panels to remove any slight burrs from the cutting process. Use 240 grit sandpaper to be sure you don't put any big scratches in the surface.



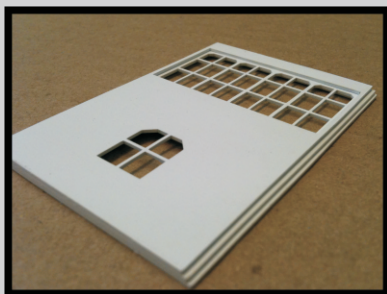
Remove pieces 1+2 from the fret. Turn them over so the detail is facing your work surface.



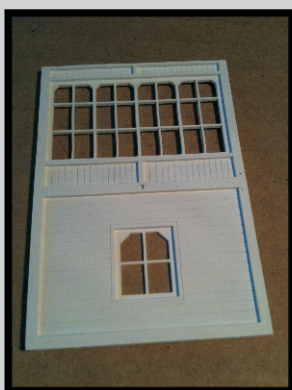
Place them on top of each other so 1 is on top of 2.



Make sure the gap on the left and right is the same on each side of the panel and that the top and bottoms are flush. Glue them together using PlasticWeld.

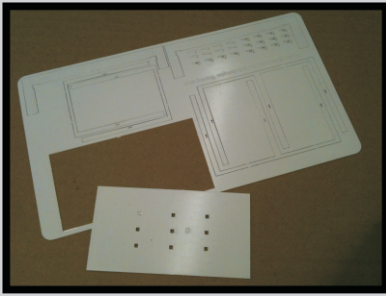


Place the now glued parts 1+2 on top of part 3, again making sure the gap is the same to the left and the right of the panel. Glue all these peices together.

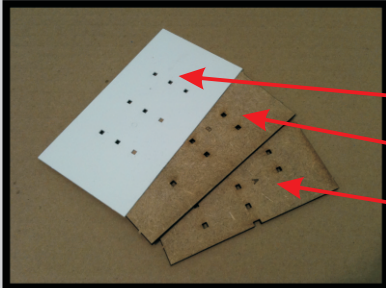


You should now have the first panel of the signal box. Now repeat these steps for the other 5 panels.

Roof structure



Remove parts A,B,3 x D, and E from the MDF fret. You will also need part C from the Rowmark plastic roofing fret.

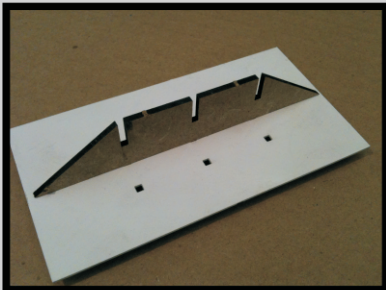


The roof parts go together in this order and then use part E to line them up.

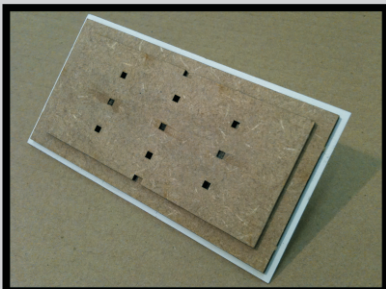
Part C

Part B

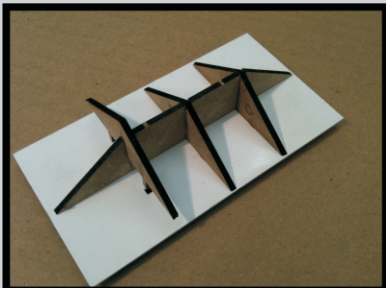
Part A



Push part E through the holes along the centre line of C.



Turn over C and E and then push part B onto the protruding pins of part E. Repeat with part A. You can glue these together with superglue.

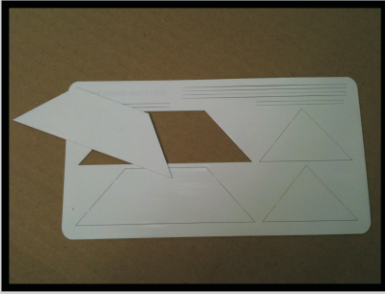


Push parts D onto E and glue with superglue.

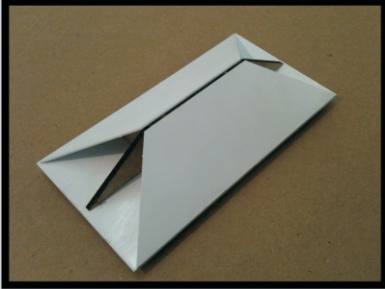


Using a sanding block, sand the ridge line so that it is flush with the angled section of the roof.

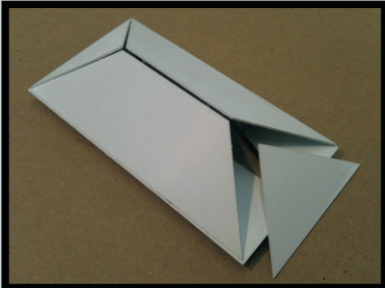
Roofing panels, soffits and tiles.



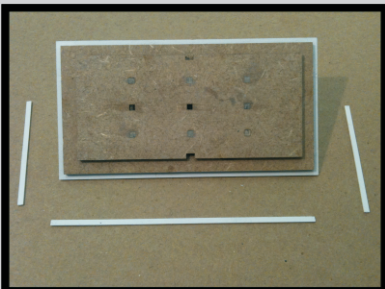
Sand all roof panels with 240 grit sand paper and then remove them from the fret.



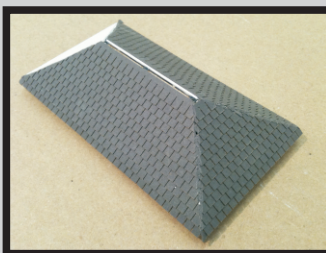
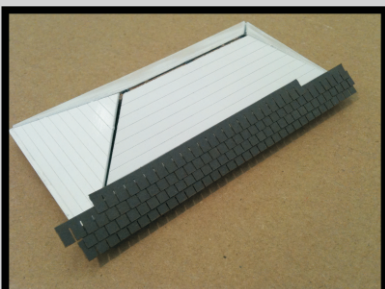
Stick the long panels on first making sure they are parallel with the edges of the roof board.



Now stick the ends on, again making sure they are lined up with the edges.

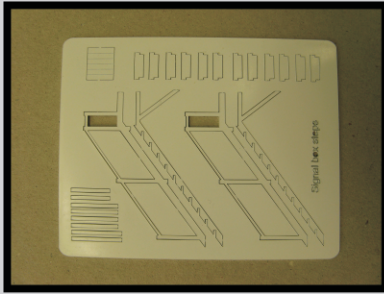


Stick the soffits onto the middle MDF panel. Stick the long lengths first, sand the ends flush and then stick the short lengths on.

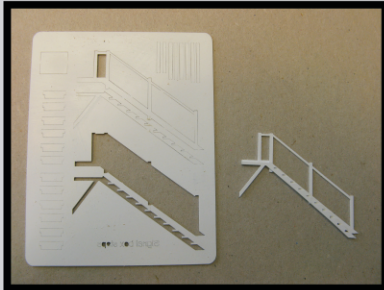


Using the markings on the roof panels stick the self adhesive roofing tiles on. Start from the bottom and work your way up. Finish off the roof by using the ridge tiles at the bottom of the tiles sheet. Cut them to shape and then fold down the middle before sticking the pieces onto the roof.

Steps

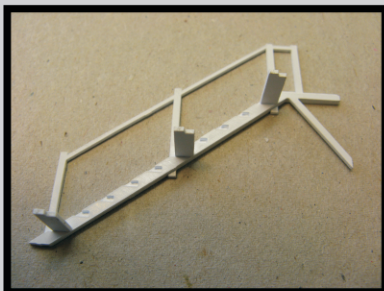
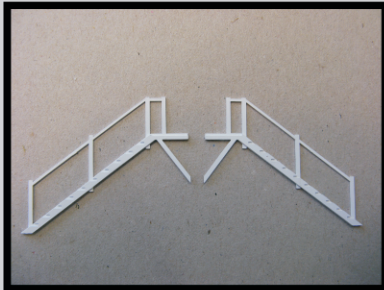


Being careful not to break any of the fine detail, sand both sides of the fret with 240 grit sandpaper.



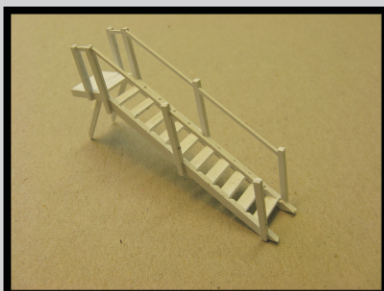
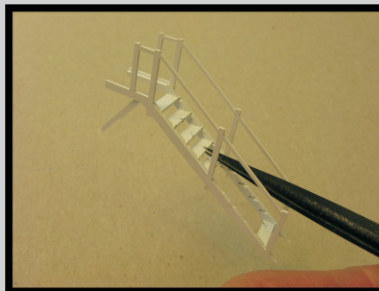
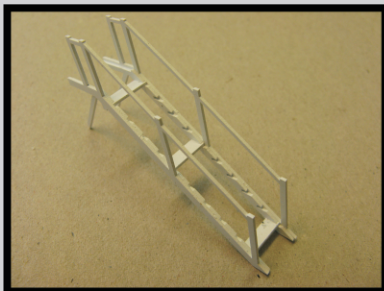
Remove the four stair sides from the fret. Make sure you have a mirrored pair as the treads need to be supported on both sides of the handrail frame.

You need to laminate the stair tread supports over the handrail frames to create the sides to the stairs.



Remove the stair treads from the fret and stick the top, bottom and middle treads into the handrail frame.

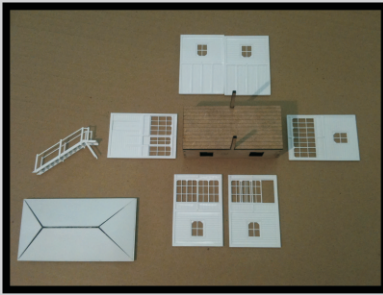
Glue the two stair frames together lining them up using the treads that you previously stuck down.



Carefully stick the remaining treads into the frame and glue the top step in place.

You can now stick the vertical stanchions onto the handrail frame.

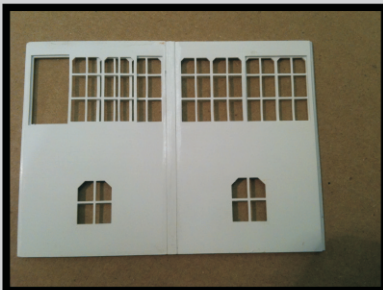
Putting the sides onto the internal structure



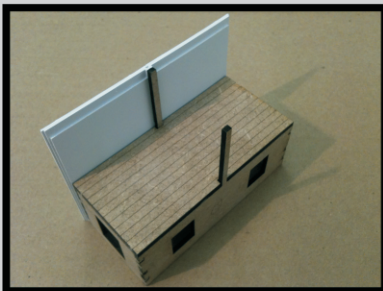
Now you have the component parts built, organise them around the internal structure. Because of it's modular construction, any panel can go in any position (just like the real thing)



To stick the panels together remove one of the spacing bars provided on the panel frets.



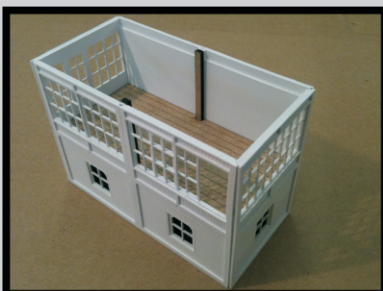
Turn the two panels over and push them together. Stick the spacer bar in the gap between the two panels.



Once you have 2 pairs of panels stuck together place the long sides onto the internal structure and check for alignment.

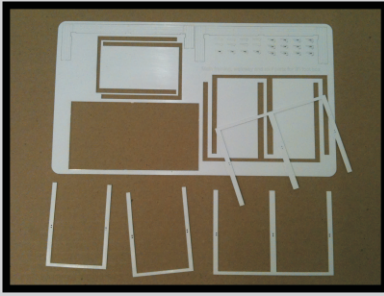


Make especialy sure that the panels are centred correctly (the inner step should be flush with the internal structure). Once happy with it glue them in place.

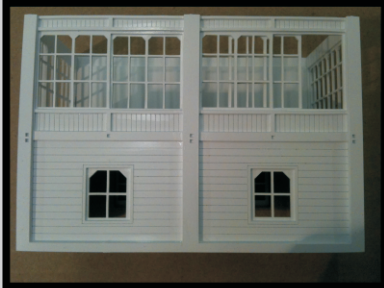


Once the sides are stuck on you can place the ends on. Don't worry about the gap at the corners, this will be covered when the final framework goes on.

Final framework and walkway installation.



being careful not to damage any fine details, sand both sides of the fret with 240 grit sand paper. Remove the four final framing pieces from the fret



Place the long side frames onto the panels and make sure they are lined up. When happy stick the two long sides onto the elevation. When they are dry sand the ends flush.



When the sides are flush with the ends you can stick on the end frames. When these are dry sand the ends flush with the sides. Once you are happy with the corner finish remove the walkway brackets and walkway from the fret.



There are two types of brackets, the type with the hole in go into the double holes on the vertical main framing. The type with no hole go into the horizontal framing.



When the brackets are glued in and solid, place the walkways on. They will need to be dropped down from the top rather than from the sides. Stick on the rear first and then stick the steps on. You can then stick the front walkway on.



The Mylar railings just push into the holes in the walkway. They will need securing with a small dab of superglue where the railings fit into the walkway.

We have included glazing that fits behind the window frames. This just needs cutting to the correct width and gluing with PVA. This is best done after painting and weathering.