

HO Scale Corn Crib – Instructions

Carefully read all instructions and dry fit before beginning assembly. Use care in handling the individual pieces prior to assembly. The kit is made from MDF, laser board and cardstock. Each individual piece will vary slightly in appearance. The material can be painted or weathered with acrylic based products. **Suggested Glue:** Super Glue Gel – Quick Drying, Strong Bond, and Gel Advantage. These instructions can be downloaded from the download section at <https://leavinamark.com/model-railroad>

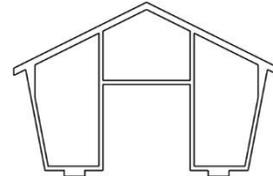
Parts List



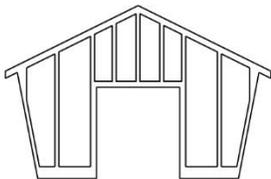
2x – Base
1/16" MDF



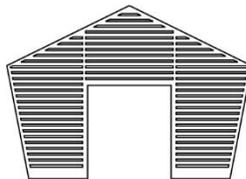
1x – Loft Floor
0.024" Laser Board



8x – Roof Joist
0.024" Laser Board



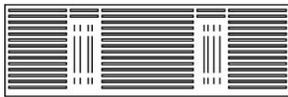
2x – End Inner Frame
0.024" Laser Board



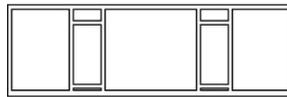
2x – End Slat Panel
0.015" Laser Board
Adhesive Backed



2x – End Panel Overlay
0.015" Laser Board
Adhesive Backed



2x – Inner Wall Panel
0.015" Laser Board



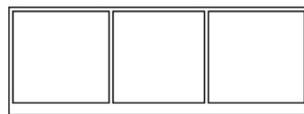
2x – Inner Wall Overlay
0.015" Laser Board
Adhesive Backed



4x – Door Bracing
0.015" Laser Board
Adhesive Backed



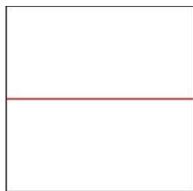
2x – Outer Wall Panel
0.015" Laser Board



2x – Outer Wall Overlay
0.015" Laser Board
Adhesive Backed



2x – Base Spacing Jig
0.024" Laser Board

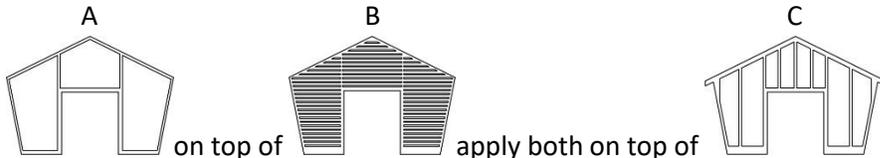


1x – Roof
Cardstock – Silver



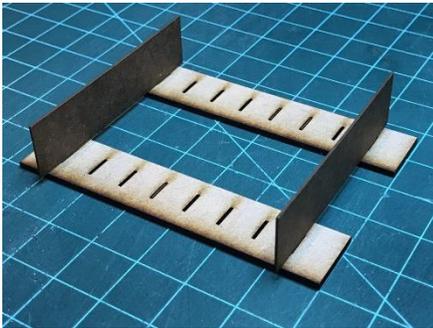
1x – Roof Ridge Cap
Cardstock – Silver

Step 1 – Assembly of Corn Crib Ends:



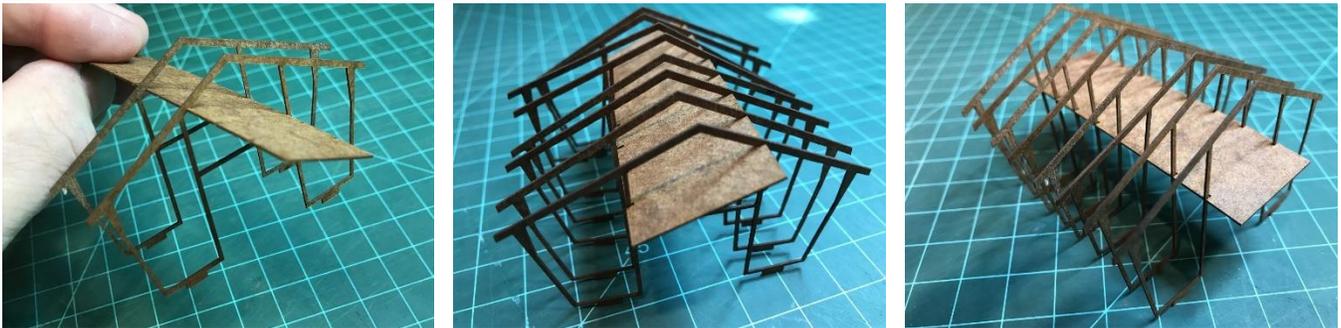
Apply **A** on top of **B** apply both on top of **C** The adhesive is very tacky. Use light pressure and carefully align before pressing firmly. Remove the adhesive backing from the End Panel Overlay (A) and carefully align to the edges of the End Slat Panel (B). Apply glue to the End Inner Frame (C), and align the edges with the edges of the already assembled parts A & B. The assembled Corn Crib Ends will be used in Step 6.

Step 2 – Secure MDF Bases:



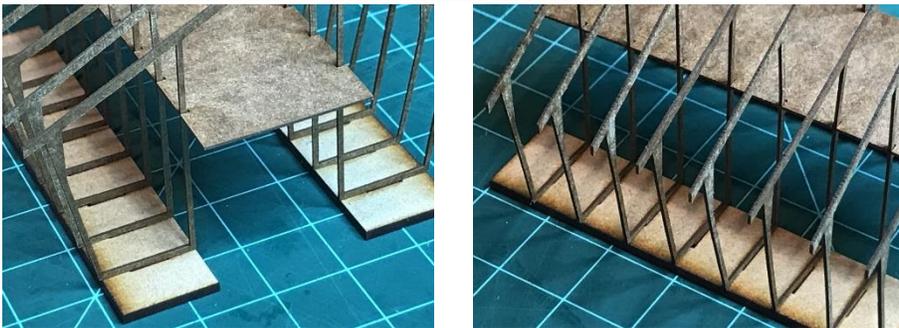
Secure two MDF Bases with double-faced tape to a solid work area. To achieve the correct spacing between the two MDF Bases, place a Base Spacing Jig into the notches at each end of the MDF Base.

Step 3 – Assembly of Loft Floor to Roof Joists:



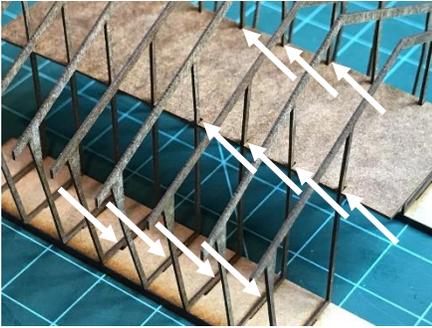
No Gluing During Step 3. If Loft Floor is bowed, flex the material to straighten. Slide the Loft Floor through the upper center opening of the Roof Joist by tilting the Loft Floor at an angle. When all 8 Roof Joists in place, carefully align the notches in the Loft Floor to the vertical upright of the Roof Joists.

Step 4 – Dry Fit Loft Floor & Roof Joists to the MDF Base:



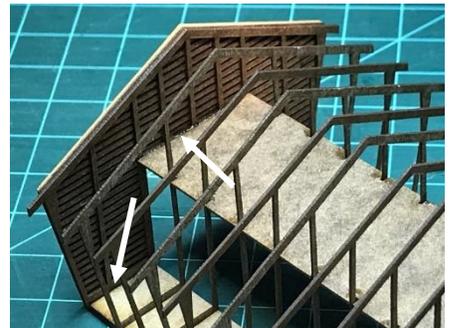
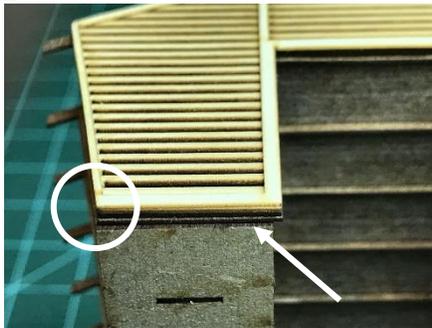
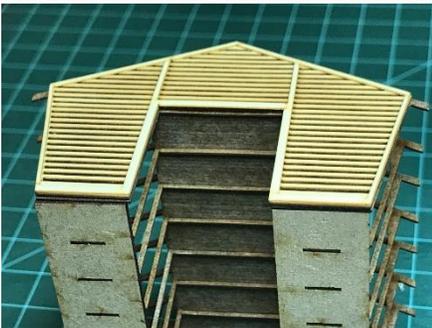
No Gluing During Step 4. Place a pencil through all of the Roof Joist openings above the Loft Floor to lift. Position the assembled Loft Floor and Roof Joists onto the MDF Bases. Remove pencil. Insert the tabs at the bottom of the Roof Joists into the slots in the MDF Base. Glue will be used in Step 5.

Step 5 – Attaching the Loft Floor & Roof Joists to the MDF Base:



The MDF Base will remain secured during Step 5. Do not remove the assembled Loft Floor/Roof Joists from the MDF Base. Begin gluing the Roof Joists to the MDF Base at each intersection of the tab and slot. Finish by gluing the Loft Floor to the Roof Joists at each intersection of each notch (glue at arrows). You may wish to dry fit the Corn Crib Ends, assembled in Step 1, to assist with insuring correct vertical alignment of the Roof Joists. Proceed with Step 6 when glue has completely dried.

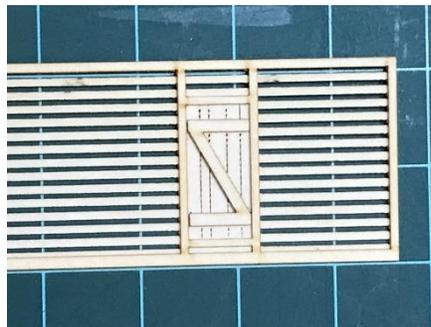
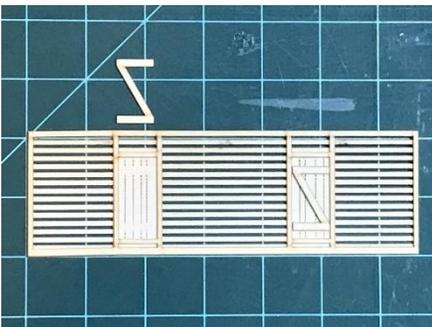
Step 6 – Attaching the Corn Crib Ends:



ADD PHOTOS – 1) Show Outer Edge Alignment 2) Show Loft Floor Glue Point

Detach the MDF Base from the work area. The darker side of the Corn Crib Ends face the inside of the Corn Crib. Align the bottom outer edges of the Corn Crib Ends with the bottom outer edges of the MDF Bases on both sides (indicated with a circle). Glue the Corn Crib Ends to the MDF Base/Loft Floor/Roof Joist assembly. The glue points for the Corn Crib Ends are both edges of the MDF Bases and the edge of the Loft Floor (glue at arrows).

Step 7 – Assembly of the Inner Walls:



Dry fit before attempting to assemble. Remove the adhesive backing from the Inner Wall Overlay and carefully align on top of the Inner Wall Panel. Remove the adhesive backing from the Door Bracing and carefully align the Door Bracing inside the door frame. Align the Door Bracing over the solid areas on each door of the Inner Wall Panel. Repeat Step 7 to complete the second Inner Wall.

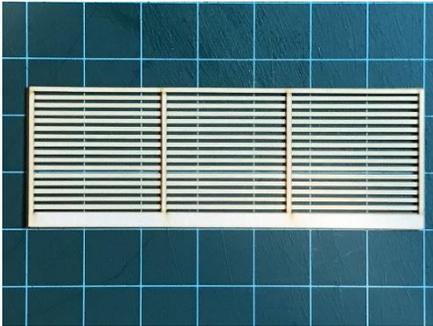
the solid areas on each door of the Inner Wall Panel. Repeat Step 7 to complete the second Inner Wall.

Step 8 – Attaching the Inner Walls:



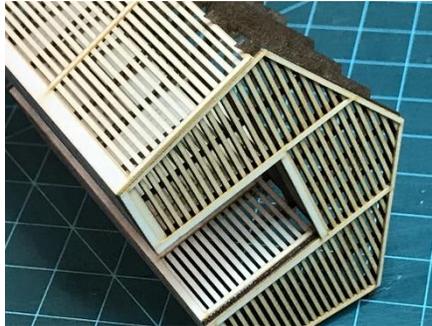
The two Inner Walls fit inside the Corn Crib drive through area. Glue the assembled Inner Walls into place, using the glue points on the MDF Base, the verticals of the Roof Joists and the Corn Crib Ends.

Step 9 – Assembly of the Outer Walls:



Dry fit before attempting to assemble. Remove the adhesive backing from the Outer Wall Overlay and carefully align the Outer Wall Overlay to the edges of the Outer Wall Panel. Repeat Step 9 to complete the second Outer Wall.

Step 10 – Attaching the Outer Walls:



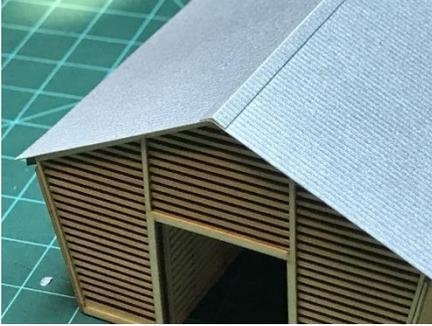
Inspect the spacing between the overhanging tips of the Roof Joists. The material can be flexed to create even spacing between each joist. Glue the assembled Outer Wall into place by using the glue points on the MDF Base, the verticals of the Roof Joists and the edge of the Corn Crib End.

Step 10 – Attaching the Roof:



The Roof has an etched center line on one side to assist with bending a roof peak and achieving a straight line. Carefully bend along the etched line, using light pressure. Continue to bend, checking to match the slope of the Corn Crib roof. Dry fit the roof to the assembled corn crib. Evenly align the overhang on all four edges and glue the Roof into place using the glue points on the Roof Joists and Corn Crib Ends.

Step 11 – Attaching the Roof Ridge Cap:



The Roof Ridge Cap has an etched center line on one side to assist with achieving a straight line. Using the same method described in Step 10, carefully bend along the etched line, using light pressure. Bend the Roof Ridge Cap to match the slope of the Corn Crib Roof. Carefully align the ends of the Roof Ridge Cap to the edges of the Roof peak and glue in place.