

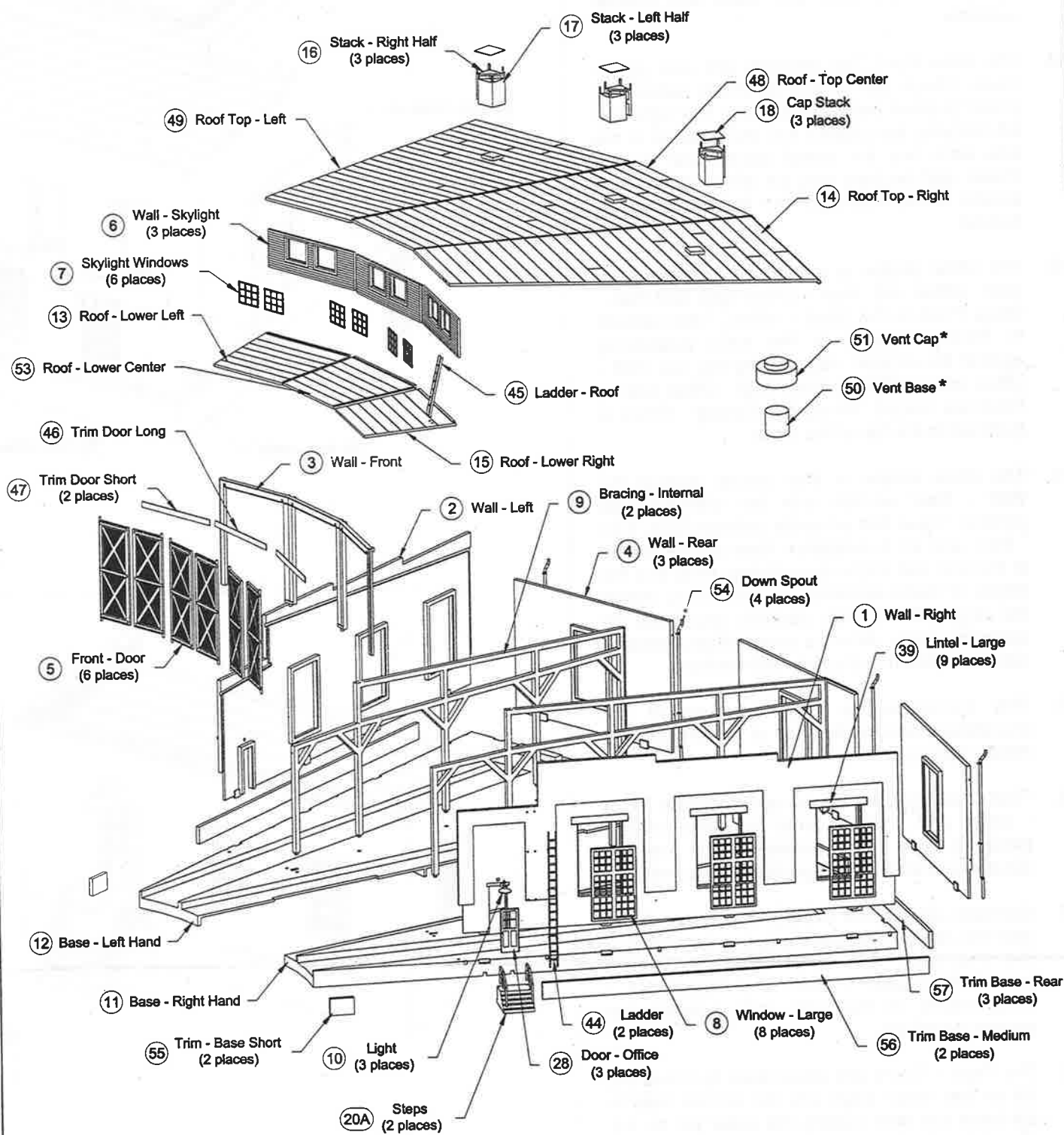
## ASSEMBLY OF ATLAS HO ROUNDHOUSE

Tools and Materials Required: model knife, small file, sandpaper, small square or triangle, plastic cement (liquid recommended), small paint brush for cement.

General Notes: Please review the assembly illustrations to familiarize yourself with the parts, and to understand procedure and avoid errors. Use extreme care in removing delicate parts from sprues to avoid damage. Use of special sprue cutting pliers is suggested. Remove any excess "flash" from parts with a file or by rubbing on sandpaper placed on a flat surface. This is particularly important on long edges such as wall sections. Use a small paint brush to carefully apply plastic cement. Check the fit and alignment of parts before cementing. Use a square to be sure walls are perpendicular to base.

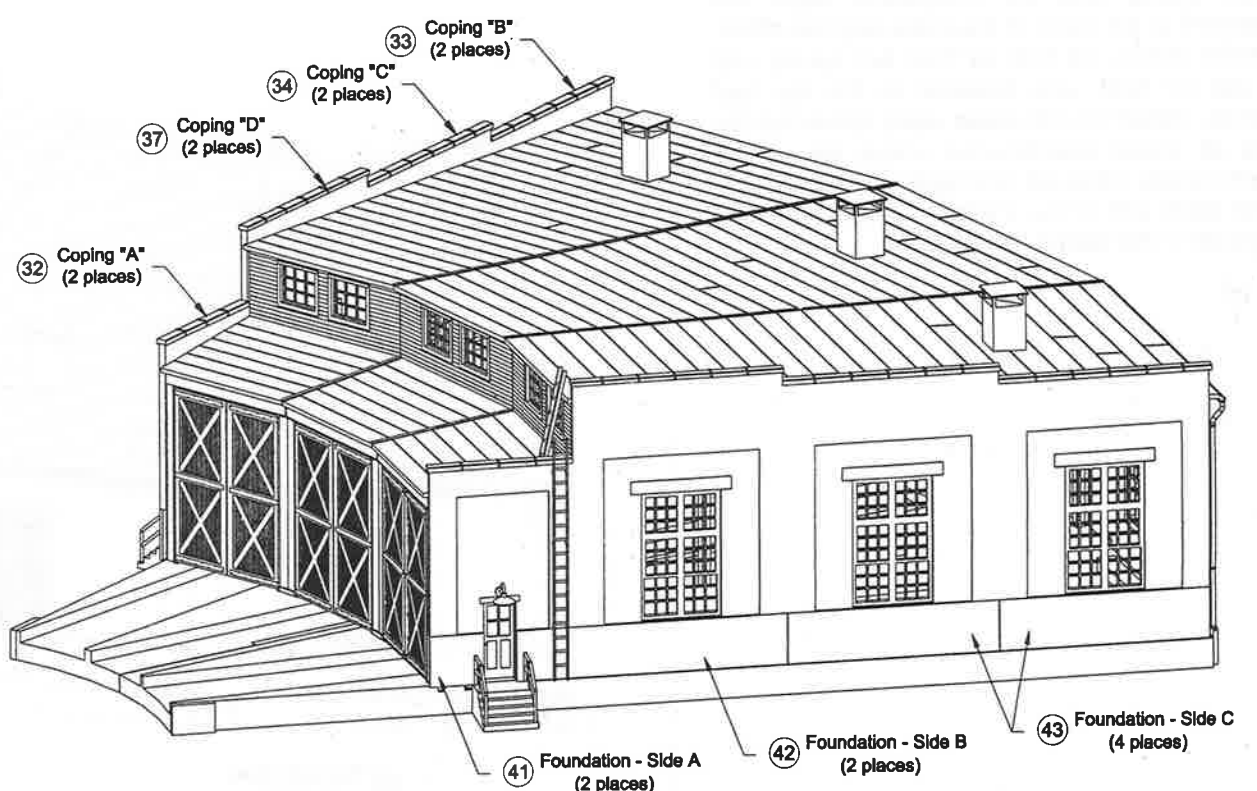
Before beginning assembly, decide if you will be building a single kit as a 3 stall structure, or combining multiple kits to make a larger structure.

1. Cement Base-Right Hand and Base-Left Hand together to form the base. If you are building a larger roundhouse, cement the multiple bases together also.
2. The clear window material is cut along the lines printed on the sheet and the sections are cemented into the window openings in the various walls, including the skylight sections. The various windows are cemented into the openings over the window material. Use cement very sparingly to keep it off the clear "glass". One of the rear wall sections will get the brick filler which is used in the section where the office will be located.
3. Assemble Wall-Left and one Wall-Rear piece to the base. Be sure walls are square with base before cement sets.
4. Cement one Bracing-Internal to base and Wall-Rear section. Again check to be sure Bracing - Internal piece is square with base.
5. Cement the next Wall - Rear section to Bracing and base.
6. Add another Bracing - Internal piece as in Step 4.
7. Cement Wall - Front to base, Wall - Left, and Bracing - Internal.
8. Add next Wall - Rear section as in Step 5.
9. The Wall-Right is now added. Check the fit carefully before cementing this final wall section in place.
- 9a. (Optional) Two or more kits can be combined to make a larger roundhouse. To do this an extra Bracing - Internal is included in each kit. This is used in place of the Wall - Right. The base of the next kit is cemented to the base of the partially completed first roundhouse. The brace is then fastened to the combined bases and rear wall section as in Step 4. Square holes along the base joint are included for the bosses at the bottom of the posts of the Bracing piece. Construction of the larger structure then proceeds as was done for the first kit. Long flat strips that match the roof color are included to cover the joint between roof sections on the top and lower roofs.
10. Next add the three Roof - Lower sections. The left and right sections are put in place into the grooves in the side walls first and then the center section added. Again put all three in place and check to fit before cementing. File or sand edges of the sections as necessary.



\* optional parts.

† parts 58 & 59 are used when combining kits to make a large structure.



11. Cement the three Wall - Skylight sections to the top of the lower roof, side walls, and internal supports.

12. The three Roof Top sections are now put in place. Check the fit with all three portions in proper position before cementing. The right and left sections are slipped into the grooves in the side walls and the center section put in last. These roof sections may be left uncemented if access to the interior of the finished model is desired.

13. The office section is started by cementing the Wall - Office Left Wall - Office right, and Wall - Office Front to the Base - Office. Then cement to Roof -Office in to the walls positioning against the support ridges. Now the two Wall - Office Interior Side and the Wall - Office Interior Front are placed. Finally the Coping - Office is fastened to the top of the walls.

14. The office section is then placed against the Wall - Rear section with the blanked over window. Three thin concrete colored Base Trim - Rear and six Foundation- Rear are cemented to the rear wall sections and base. Note that the edges of these sections are beveled to match the angle of the wall sections and must be placed correctly. Now the entire office assembly can be fastened to the rear wall section.

5. This completes the major portions of the roundhouse and the balance of the assembly is merely adding details.

6. Final detailing is started by cementing the Lintel - Large and Lintel - Small concrete colored pieces in place in the recesses in the over the window and small door openings of the walls.

7. Concrete colored thin overlay Trim Base - Long and Trim Base - Short sections are cemented to the side walls and base. Above these are placed Foundation - Short and Foundation - Long pieces on the side walls beneath the window openings.

8. The Front - Doors are assembled by fitting the pin on the lower edge into the correct hole in the base and then making the upper pin on the door fall into the slot at the top of the door opening of the front wall. The doors are retained by cementing the Door Trim -short and Door Trim - Long strips in place over the door openings. If you want the doors to operate, use care when cementing the door trim strips in place.

9. The structure is completed by adding final details Ladder - Side to both side walls, small Ladder-Roof, and the Light Brackets. The Railings are cemented to the Steps on three such pieces and the completed steps are fastened to the base of the sides and the office. Smoke stacks are built up from two halves and a cap for each and fastened to the top roof pieces. When roundhouses were converted for use as diesel maintenance shops the stacks were usually removed and replaced, by a single vent stack with a fan. Parts for such a vent are included if the stacks are not used.

