

Coaling Tower - ASSEMBLY INSTRUCTIONS

Contents. The kit comprises of die-cut SHEETS 1 & 2, the illustrated header card, two ACCESSORIES CARDS A & B, an acrylic glazing sheet and this ASSEMBLY INSTRUCTIONS sheet.

Tools. A sharp modelling knife and a steel rule are essential. Bulldog clips, a few rubber bands and 'Sellotape' might be useful to secure parts of the kit while glue is drying.

Glues. Most liquid glues are suitable. PVA glue is recommended, it becomes matte and almost transparent when dry, although in cold conditions the glue tends to dry white. A solvent glue like 'Evostick' or 'UHU' is also recommended as it is quick to dry but can present problems when touching up model with water based paint. For gluing areas of paper, such as lining pieces, it is recommended that PVA be thinned or that

a spray or a spreadable solvent glue is used. Card-mounted components. Separate the parts only when called for by nicking with the knife at uncut points.

Scoring. Red arrows signal a fold back. Blue arrows signal a fold forward.

Where the cutter lines are marked with arrows they are scored (i.e. only partly cut through). Here the component is intended to be bent or folded.

Sometimes additional scoring with the knife may be necessary, so that the board bends at the fold line without too much resistance. If the fold line is cut through, a repair can be made by gluing a thin paper strip to the back.

When folding a piece forward on a perforated cut it is important to score lightly along the perforation on the reverse of the

card.

Waste. Waste card is kept to a minimum and is indicated by the symbol

Windows. The Glazing Sheet has 5 window pieces divided by dotted lines. There are two methods of glazing, which can be combined for a really durable result:

(1) Lay down the window piece face up. Apply glue to the back of the wall around the window aperture and the lower the wall onto the window piece. This method is easier for small windows and permits adjustment - correct the alignment before the glue sets and wipe excess glue from the window surface with a damp paintbrush or tissue.

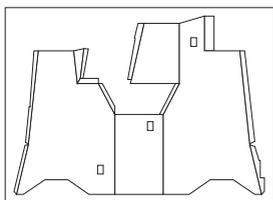
(2) Apply narrow strips of 'Sellotape' along two sides of the unprinted back of the window piece. Lay the window piece

down as before and lower the wall onto the partly exposed 'Sellotape'. When the window is attached to the wall, rub down the tape and apply further strips to the remaining two sides of the window piece.

Finishing. The appearance of the completed model will be greatly improved if all exposed edges are touched up with paint. It is important that there is no glue on exposed edges.

Options. This kit, when completed, will provide you with the main tower assembly on a layout of textured sheet to line the edges of a pair of railway tracks. This provides a complete assembly for the site of an ash plant. This plant would have normally been found adjacent to a depot coaling plant assembly for instance SUPERQUICK's A12 COALING PLANT, located in or around

- 1** Separate card sheets 1 & 2 along centre. From sheet 1 take MAIN HOUSING component with nine surrounding



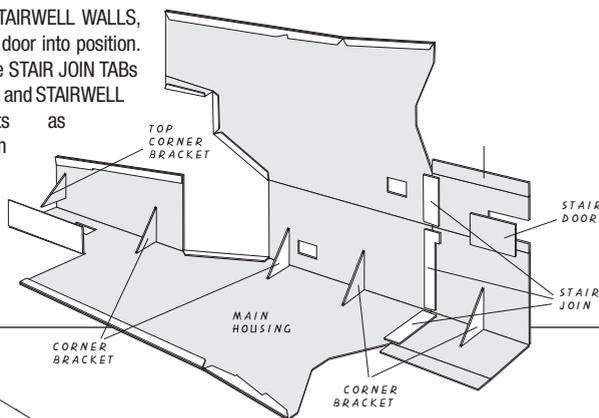
MAIN HOUSING

TABS as illustrated, remove waste window pieces then fold and glue TABS flat. From windows sheet, cut and glue appropriate windows pieces into apertures (following WINDOWS instructions above).

From SHEET 2 take STAIRWELL WALLS, and STAIR DOOR, glue door into position.

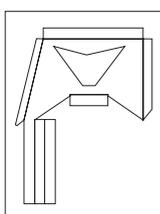
From both SHEETS take STAIR JOIN TABS and join MAIN HOUSING and STAIRWELL

WALLS components as illustrated. From SHEET 1 take four yellow MAIN CORNER BRACKETS, fold and glue into position as illustrated.



- 2** To create the two internal structures of the archway, the following instructions for left side are repeated for right. From SHEET 2 INNER ARCH LEFT

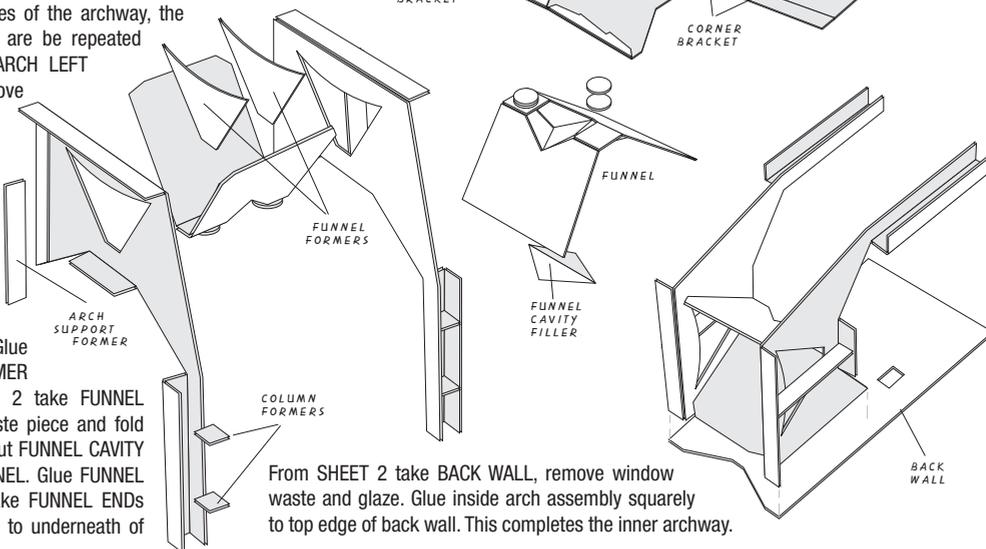
complete with tabs as illustrated. Remove FUNNEL FORMERS. From SHEET 2 also



INNER ARCH LEFT

retain ARCH SUPPORT FORMER and two COLUMN FORMERS. Fold TABS and glue end TAB, fold column section around COLUMN TABS and glue into place. Glue ARCH SUPPORT FORMER

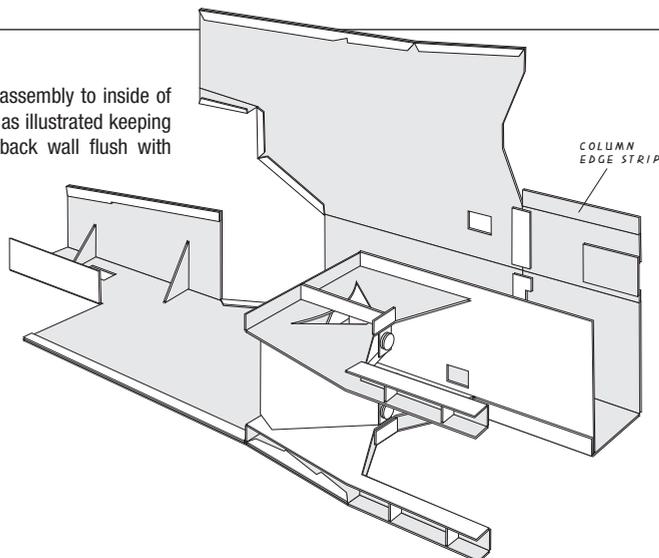
into position as illustrated. From SHEET 2 take FUNNEL complete with central pieces, remove waste piece and fold as illustrated. From ACCESSORIES CARD A cut FUNNEL CAVITY FILLER, fold and glue into position in FUNNEL. Glue FUNNEL FORMERS into position. From SHEET 2 take FUNNEL ENDS and END SPACERS, glue in place centrally to underneath of FUNNEL.



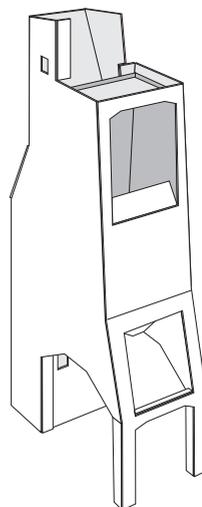
From SHEET 2 take BACK WALL, remove window waste and glaze. Glue inside arch assembly squarely to top edge of back wall. This completes the inner archway.

- 3** Glue inner archway assembly to inside of main housing walls as illustrated keeping the bottom of the back wall flush with

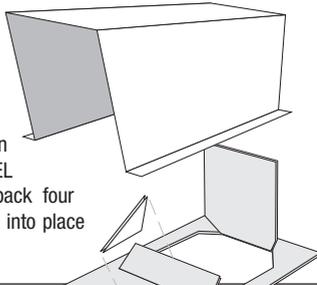
the lower edge of housing and the columns squarely in position to underside of outer arch. The housing is ready to be closed by glueing other side wall section and wrapping column edge strips round edges of back wall.



From SHEET 1 take TOP STAIR ROOF and from SHEET 2 take BOTTOM STAIR ROOF and glue squarely into position as

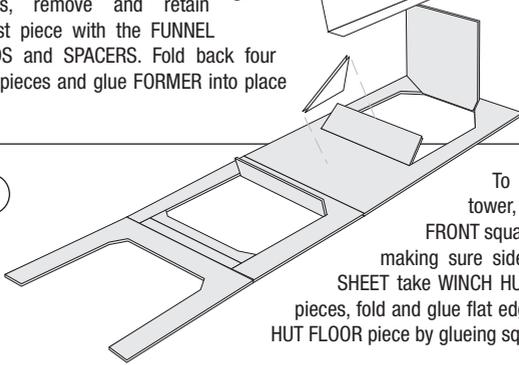


4 From SHEET 1 take FRONT PLATE FORMER and from SHEET 2 take MAIN HOUSING FRONT in three parts, remove and retain waist piece with the FUNNEL ENDS and SPACERS. Fold back four tab pieces and glue FORMER into place



behind second tab as illustrated. From ACCESSORIES SHEET A cut out INNER SHUTE WALLS, fold forward where marked with blue arrows and fold edge TABS back. With large tab folded square, GLUE SHUTE WALLS into position with the narrower top edge wrapped round the tab as a former and sides flush with inner aperture against edges of the second tab.

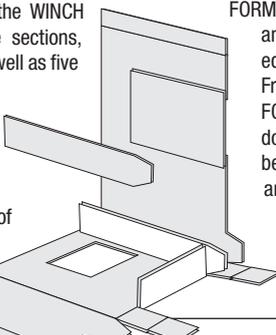
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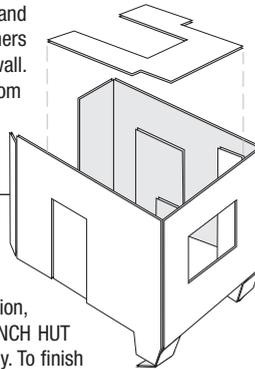
To complete the main structure of tower, position and glue the HOUSING FRONT squarely to the front edges as illustrated, making sure sides and both ends are flush. From SHEET take WINCH HUT FLOOR complete with four edge pieces, fold and glue flat edging. Cap the SHUTE HOUSING with HUT FLOOR piece by glueing squarely over top of structure.

6

To construct the winch room, take from SHEET 1 the WINCH HUT WALLS in three sections, include end tab and wall, as well as five lower wall pieces. Remove waste window piece and galze aperture. Fold and glue flat end tab. From each SHEET take WINCH DOOR and line doorways of WALLS as illustrated.

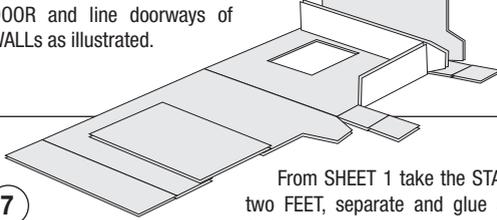


From SHEET 1 take two FRONT HOUSING FORMERS, fold in central lower tab piece, and glue formers squarely, flush with top edge against the folded tab as illustrated. From SHEET 1 take ENGINE HUT FORMER, glue squarely atop door pieces and tab, and between vertical formers and squaring off end wall. When set, curl bottom wall capping round ends of former pieces.



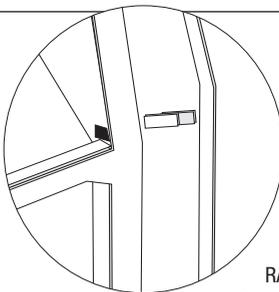
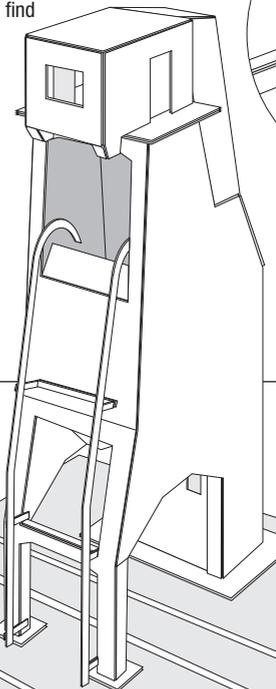
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From SHEET 1 take the STAIRWELL PAVING and two FEET, separate and glue square into position as illustrated. Glue WINCH HUT assembly squarely into position, centrally over floor piece. From SHEET 2 take two piece WINCH HUT ROOF, fold at crease and glue into position over hut assembly. To finish off model cut a length of railing to fit round either side of hut.



8

From SHEET 1 find two pairs of TRACK BRACKETS (1 & 2), as well as from SHEET 2, find DOUBLE TRACK BRACKET, note the red arrows denoting a fold. Fold and glue flat four single TRACK BRACKETS and the DOUBLE TRACK BRACKET. Take note of the markers on the inside walling of the arch, position and glue the single brackets.



Align the double bracket to the horizontal mark on the sloping ramp and glue into position. You now have six points on which to fix TRACK RAILS to. From either SHEET take LEFT and RIGHT

TRACK RAIL, noting which is which. Fold TAB back and glue flat, this provides a spacer upon which to position and glue TRACK into inside of shute. Align foot of TRACK to a flat surface and glue into position to three BRACKETS and top end TAB, repeat with other TRACK.

9

As part of the arrangement for a realistic Ash Plant, ground texture is provided in the kit to line the rail track. From ACCESSORIES SHEET B cut out the five linings to mount the kit on, glue these linings to your layout surface. Note that the rail track passing under the Ash plant was usually set into the concret base that contained the winch system used to transfer ash waste from underground up into the storage shute.

