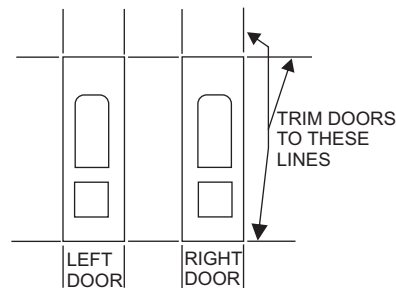
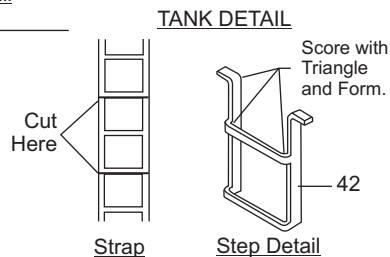
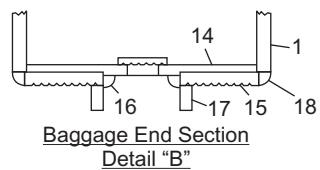
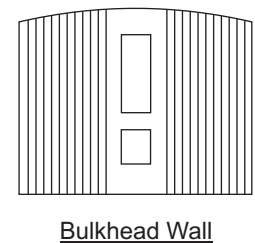
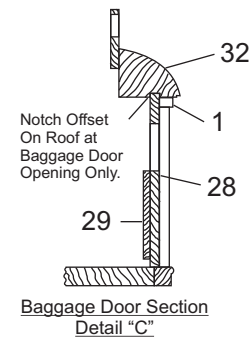
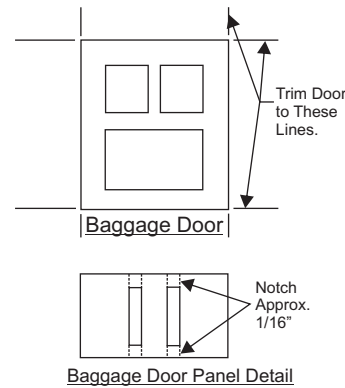
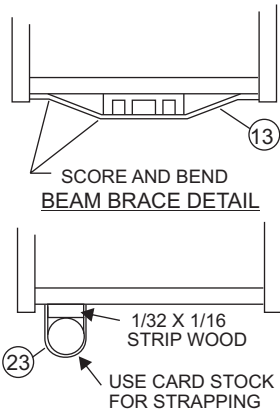
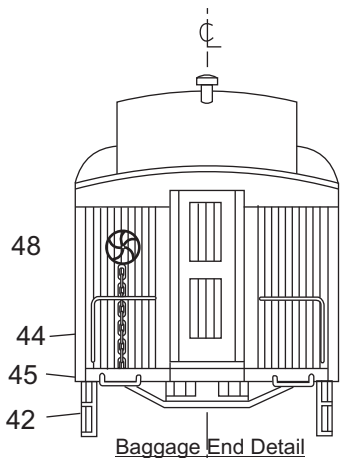
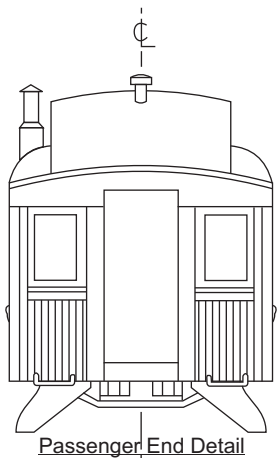
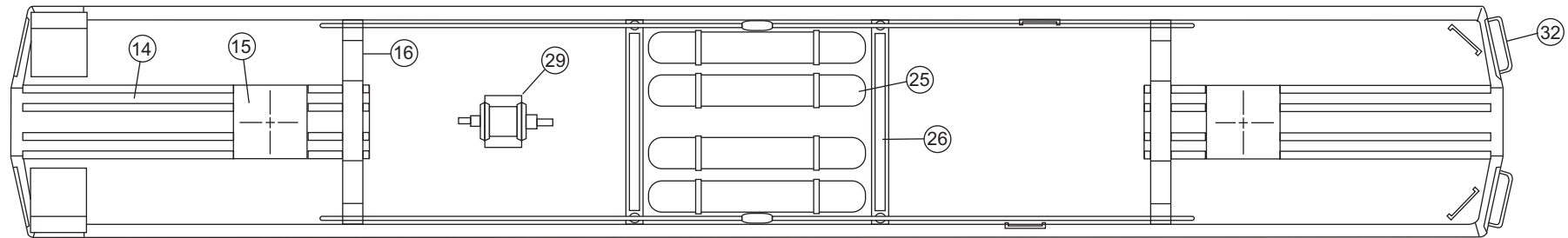
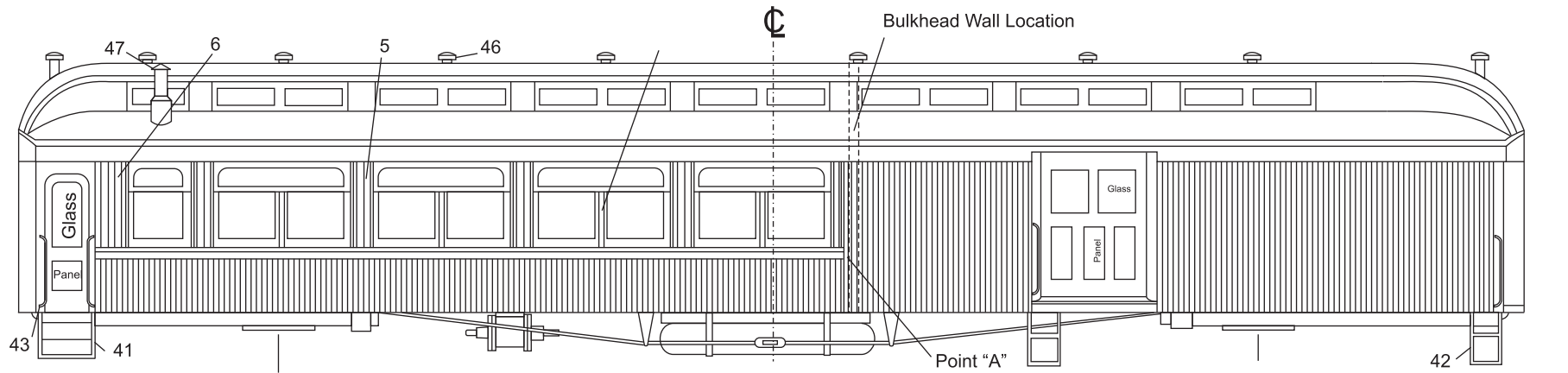
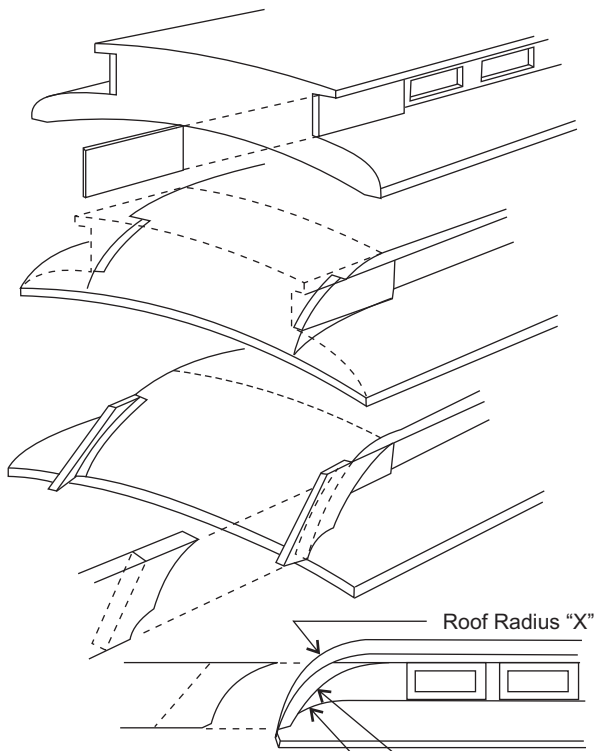


# HO-2 1905 Combination Car



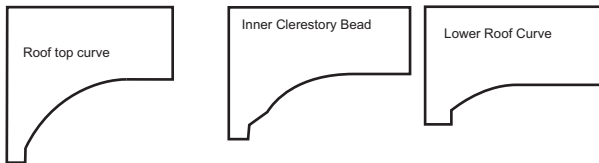
LaBelle Woodworking Company  
 5101 Ridge Road  
 Cheyenne, Wyoming 82009  
 Phone :307-433-9909 Fax: 307-433-9949  
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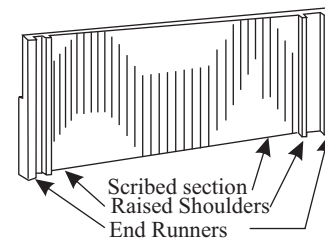
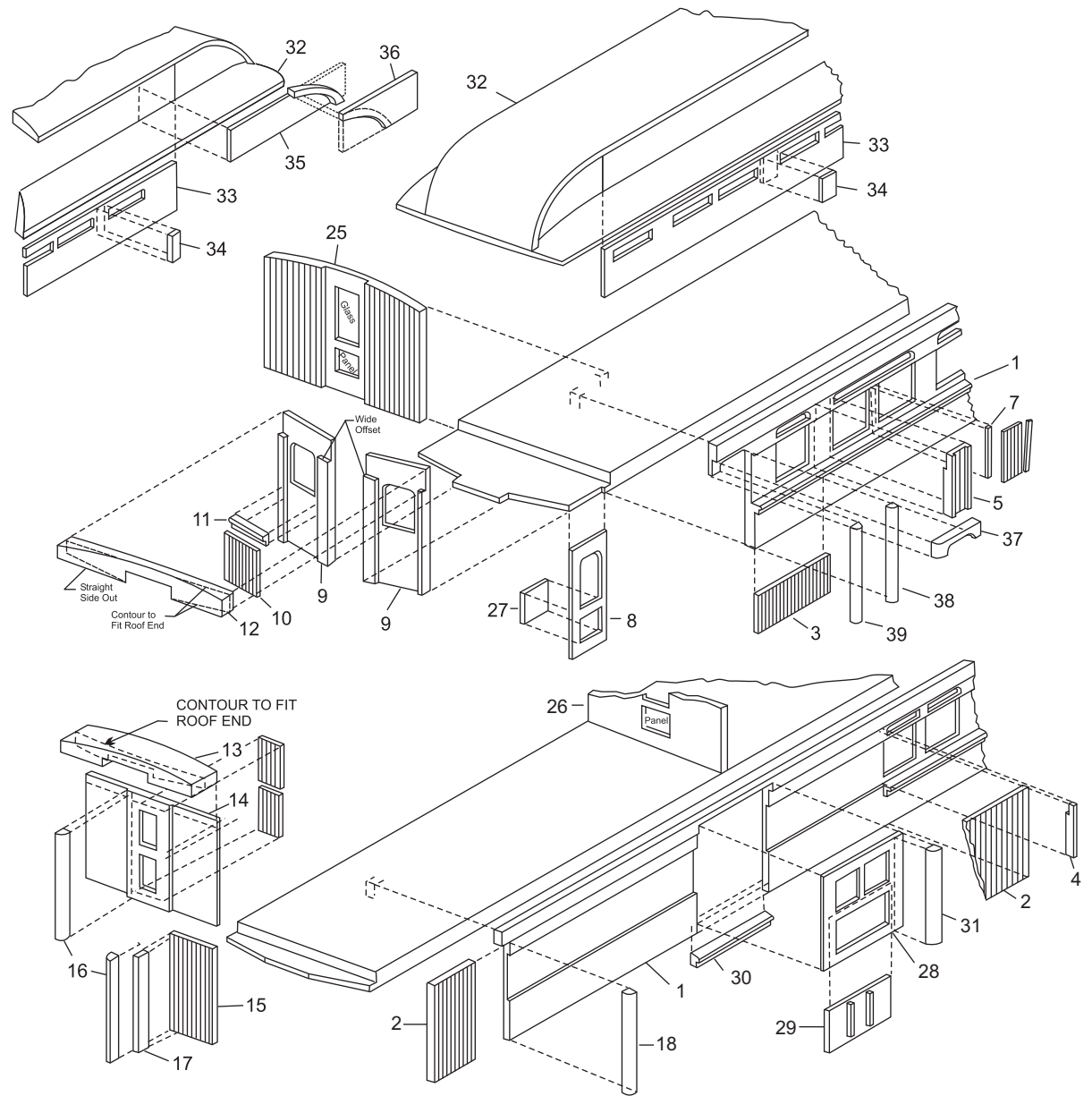
Roof Radius "X"

Roof Bead Radius "Y"

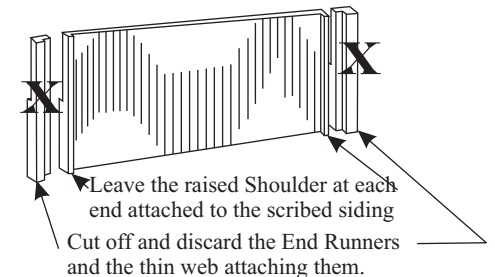
Lower Roof Radius "Z"



Roof ends may be rounded to contour shown on plan drawing. Make template from card stock and use to check contour for correct shape. Care should be taken when sanding roof ends to size, so as not to sand off too much. This is the point where everybody seems to get nutsy. Curving the roof is not that difficult. First, shape the roof to its rough shape using a knife, Next get a piece of strip sandpaper. While gently holding it against the top of the roof, pull the sandpaper over the rough curved end to smooth out the curve. Always sand with the grain of the wood, never against it. Check frequently with the radius on the instruction sheet or optional roof rounding kit. A few minutes of pulling on the sandpaper and your roof end is done. There, wasn't that simple?



Window Post as Supplied in Kit



## LABELLE WOODWORKING KIT No HO-2 1905 CLOSED VESTIBULE WOOD COMBINATION CAR

This is a basic kit of a 1905 Combination Car. It is not a 'QUICKIE KIT', and therefore it is suggested that the isometric and plan drawings be studied thoroughly, also that the parts be sorted and be noted as to where they are intended to be used. It is suggested that assembly be followed by the numbers in the instructions which correspond with the numbers on the isometric and plan drawings. Cut and remove Belt Rail from sub-sides (1) beyond Window openings as per POINT A" on Plan Drawing. REPEAT for opposite side.

Cement in place Siding (2) and (3) NOTE: When making Siding Joints, make cuts so Scribe Spacing is Equal. Cut OFFSET Raised Shoulder (4) (STRIPWOOD COLORED ONE END RED) to fit between Letterboard and Belt Rail NOTCH and cement in place against siding. Separate and cement in place Window Posts (5) Cut End Window Posts (6) to approximate width from WIDE POST and cement in place with Raised Shoulder toward Window opening, making SURE Correct Window MARGIN is showing as per plan drawing.

Cut paper-thin piece of scribed stock (7). to fit on small window posts. Separate to form eight pieces as shown

Trim and Sand Window Posts and Siding FLUSH with end of sub-sides and Baggage Door Openings. Now sand siding FLUSH with bottom of sides

Cut ONE (1) RIGHT and ONE (1) LEFT Vestibule Door (8) to Size by placing on TEMPLATES on Plan Drawing NOTE: Make SURE SMOOTH SIDE of Doors are "UP" when placed on Templates.

Cement Doors to back of sub-sides at TOP ONLY, keeping FLUSH with Bottom of Sides. NOTE: Make SURE SMOOTH SIDE of Doors are OUT and WIDE RAIL against end of Side.

VESTIBULE END ASSEMBLY: Make up two end pieces (9) by cutting thin scribed siding (10) and also belt rail (11) to fit as shown Cement on (10) first, then (11). Now cement a completed right and left (9) to end letterboard (12) making sure that wide offset of (9) is to center.

BAGGAGE END ASSEMBLY: Refer to isometric drawing and DETAIL "B" Cement letterboard (13) to end (14) Cement on scribed siding (15). Cut to length 1/16 by 1/16 inch quarter round (16) and 1/16 by 1/8 inch stripwood (17) and cement in place as per baggage end DETAIL "B". Cement on door panels from left-over scribed siding.

Lay Out bottom of floor for position of queen posts (19), gas tanks (20), truss rods (21) beams (22), and brake cylinder (23) Cement beams (22), and 1/64 by 1/8 inch stripwood beam brace (24) in place, leaving other under-body parts off until car body is assembled.

Cement scribed bulkhead wall (25) to floor on vestibule end as shown, making sure it is square Now cement completed sides to floor, making sure sides are flush with bottom of floor and flush with end bulkhead wall. IMPORTANT: DO NOT apply cement at baggage door openings Now cement completed baggage end assembly and 1/16 by 1/16 inch quarter round corner posts (18) in place, and bulkhead wall (26) as located on Combination Car Side Elevation drawing

Cut and cement in place Vestibule Door Panels (27) from 1/32 inch x 1/4 inch Stripwood to Lower Openings on Vestibule Doors.

Cut baggage doors (28) to size as per template Apply panel (29) as per detail. Next cut out strip at bottom of baggage door openings. Set completed doors on floor and cement at TOP ONLY. Cut to length sill strip (30) and cement in place, also cut and ft 1/16 by 1/16 quarter round posts (31) and cement in place

Start to assemble roof (32) by cementing clerestory window strips (33) inside roof on each side IMPORTANT Be sure clerestory windows line up with car side windows Cut to length 1/32 by 3/16 inch stripwood (34) and (35), cement in place Now roof ends may be rounded to contour shown on plan drawing Make template from card stock and use to check contour for correct shape. Care should be taken when sanding roof ends to size so as not to sand off too much. Make up overhang pieces (36) for ends of roof from 1/16 by 1/2 inch stripwood, as shown and cement on. Next refer to

DETAIL C for notching roof at baggage door openings. Temporarily place roof on car body, holding vestibule end assembly up under roof contour and against end of floor until cement has set. Remove roof and apply small fillet of cement inside where vestibule ends meet vestibule doors.

Slightly contour vestibule door headers (37) to match door posts (38) and (39) Cut to fit and cement in place as shown Now cement in place 1/32 by 1/16 inch quarter round (38) and 1/16 by 1/16 inch nail round 39 on vestibule doors as shown

Make up and apply four gas tanks (20) as shown Cement on queen posts (19), install truss rods (21), turnbuckles (40), brake cylinder (23) and steps (41) and / or (42)

Make up hand rails (43) (44) and install Add grab irons (45), roof vents (46) (brass escutcheon pins), chimney (47) brake wheel and chain (48).

Car is ready for painting. After painting, add colored acetate for clerestory windows in roof (clear acetate for baggage car) and upper windows on sides. Clear acetate for lower windows. Don't forget to frost lavatory glass by sanding lightly on backside with fine sandpaper Attach diaphragms (not supplied).

NOTE: Position of truck centers will be determined by type and make of trucks used Position Bolster (49) accordingly

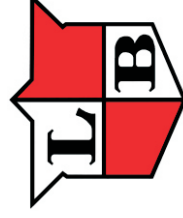
**These tips may help you complete a wood kit with best results.**

Some time is required to complete the kit, but you will be very proud of the results.

**Parts** - These are described by name and number on the drawings and parts list. If any parts are damaged or missing, or if you mess something up beyond repair, it will be replaced at no cost. Refer to the name and number in your letter or phone call for best service.

**Tools and Materials** - You will need the usual assortment of sharp hobby knives, fine sandpaper and files, small drills, sanding sealer and paint. Our preferred glue is "Carpenter's" glue, a light amber, high strength version of "Elmer's", It has fast drying, high tack to hold while drying, water clean up and sands nicely when dry.

**Painting** - Before you start building, think about the paint scheme. If it involves several colors it may be easier to paint the parts or sub-assemblies while still in pieces, then touch-up after final assembly.



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