Roof with Upper Skin and Folding Roof Base added

Inner Roof Framing

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Front 3/4 View - Roof Raised
All outer skins removed to show construction
Front and Rear 3/4 Views - Roof Folded Down
Lifting top section omitted to show folding method for sides and rear

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ROOF 4
NOTES:
1. Roof base frames made from 1" (nominal) thick wood fastened on top of roof outer skin.
3" high side base frames run full length - 1" high rear base frame runs between side frames

1/8" ply cosmetic liner inside base frame

Spacer/sealing block fitted inside side base frames. 1-7/8" high x 7/8" wide x 5/16" thick. Block fitted after roof assembly, when dimensions can be checked.

Door stop fitted inside base frame to support rear panel when lowered

Detail of Rear Corner of Roof Base Frame (lifting sides, top and rear omitted for clarity)
Step 1

1-1/2"x1/8" aluminium weather bar, projecting 3/4".
Outer ply skin cut back 3/4" to suit

Ply cutout (and positions of framing) to suit window size

Triangular corner blocks

Step 2

R4 1/2 "

2 1/2 "

Step 3

Rubber door stops fitted on outer face of rear panel to support side panels when lowered

NOTES:
1. Drawn with outer/rear skin upwards
2. Inner and outer skins 1/8" ply, all framing 1"x2" (nominal)

ROOF 7
Rear Folding Panel
1:12

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Step 2

2"x1/8" aluminium flat bar cut to 1-7/8" width to seal side panel to rear panel

Step 1

Notch in rear corner to clear rear beam of roof

1"x3" (nominal) rear frame - rear panel locks engage in this

Extra framing for mounting slide bolt

NOTES:
1. Right side panel drawn. Left side similar, but reversed.
2. Inner and outer skins 1/8" ply, all framing 1"x2" (nominal), except as shown

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ROOF 8
Side Folding Panels
1:12
Extra framing for side panel slide bolt to engage into

NOTES:
1. Top drawn with outer skin missing to show framing.
2. Inner and outer skins 1/8" ply, all framing 1"x1" (nominal)
NOTES:
1. See next sheet for frame details

- 1/4" ply skirt, sides and rear
- 1"x1" (nom) corner fillet
- 1"x1" (nom) side frame
- 1/2"x1" (nom) skirt edge reinforcement
- Two front frames (see detail)
- 3/4"x1/8" ply wear strip fitted under lower skin in line with last beam
  - wear strip rests on top of folding sides while roof being lifted
NOTES:
1. All seals are 1/2"x1/8" section (compressed).
Wear strip under top panel sits on top of side panel.

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