

Technical drawing of a door and window assembly. The assembly consists of a solid wood door on the left and a six-pane window unit on the right. The door has a handle and is labeled with dimension 'A' for its height and 'B' for its width. The window unit is divided into two rows of three rectangular panes. The top row is labeled with dimension 'B' for its height, and the bottom row is labeled with dimension 'A' for its height. The width of the window unit is divided into three equal sections, each labeled with dimension 'C' for the pane width and 'D' for the frame width. The entire assembly is shown within a frame, with dimension lines and arrows indicating the measurements.

Technical drawing of a door frame assembly. The drawing shows a vertical door frame with a top header and a bottom threshold. The frame is made of wood or a similar material. The top header is labeled '9 - Mastic to masonry/solid wall/partition'. The frame is shown in a cross-section view, with dimensions indicated by arrows and numbers. The dimensions are: 27 (height of the top header), 33 (width of the top header), 32 (width of the frame), 4 (height of the frame), 3 (width of the frame), 44 (width of the frame), 2988 (height of the frame), and 5 (height of the frame). The frame is shown in a cross-section view, with dimensions indicated by arrows and numbers.

Technical drawing showing a cross-section of a masonry wall assembly, divided into three parts (top, middle, and bottom) with dimensions and labels.

**Labels:**

- 1 - GFP7 (Glass Fiber Reinforced Plastic)
- 2 - Mastic to masonry/solid wall/partition
- 3 - Mastic to masonry/solid wall/partition
- 4 - Mastic to masonry/solid wall/partition
- 5 - Mastic to masonry/solid wall/partition
- 6 - Mastic to masonry/solid wall/partition
- 7 - Mastic to masonry/solid wall/partition
- 8 - Mastic to masonry/solid wall/partition
- 9 - Mastic to masonry/solid wall/partition

**Dimensions (mm):**

- Top section: 1700 (height), 32 (width), 27 (width), 33 (width), 33 (width), 4 (width).
- Middle section: 1200 (height), 27 (width), 27 (width), 44 (width), 27 (width), 5 (width), 5 (width).
- Bottom section: 27 (width), 32 (width), 5 (width), 5 (width), 27 (width).

The technical drawing shows a mechanical assembly with the following dimensions:

- Front View (Top):** Total length 956 mm. Hexagonal component width 852 mm. Spacing between hexagons 1058 mm. End flange thickness 1058 mm.
- Side View (Left):** Hexagonal component height 79 mm. Flange thickness 79 mm. Shaft diameter 33 mm.
- End View (Right):** Hexagonal component width 852 mm. Spacing between hexagons 1058 mm. End flange thickness 1058 mm.
- Bottom View:** Hexagonal component width 852 mm. Spacing between hexagons 1058 mm. End flange thickness 1058 mm.

| Item: | Description: | Specified:   |
|-------|--------------|--|
| 1     | Glass        | GFP7   |
| 2     | Gasket       | cc 12x5mm  |
| 3     | Fixing       | 50mm steel screws at 250mm centres (30° to glass)              |
| 4     | Packer       | Non-combustible setting blocks at base                         |
| 5     | Bead         | 33x27mm timber bead, counterbored, screwed, with brass washers |
| 6     | Liner 1      | 32x79mm timber liner, minimum density 640 kg/m³                |
| 7     | Liner 2      | 44x79mm timber liner (door-glazing), minimum density 640 kg/m³ |
| 8     | Transom      | 44x79mm timber liner, minimum density 640 kg/m³                |
| 9     | Intumescent  | 2x beads of FD30 Mastic  |
| ..    | ..           | ..   |

|       |                          |        |            |
|-------|--------------------------|--------|------------|
| Title | Fire Screen Elevation SC |        |            |
| Code  | FD30/0 - GFP7            |        |            |
| Sheet | 1 of 2                   | Date   | 23/03/2013 |
| Issue | 2                        | Dwg No | FZD0246    |

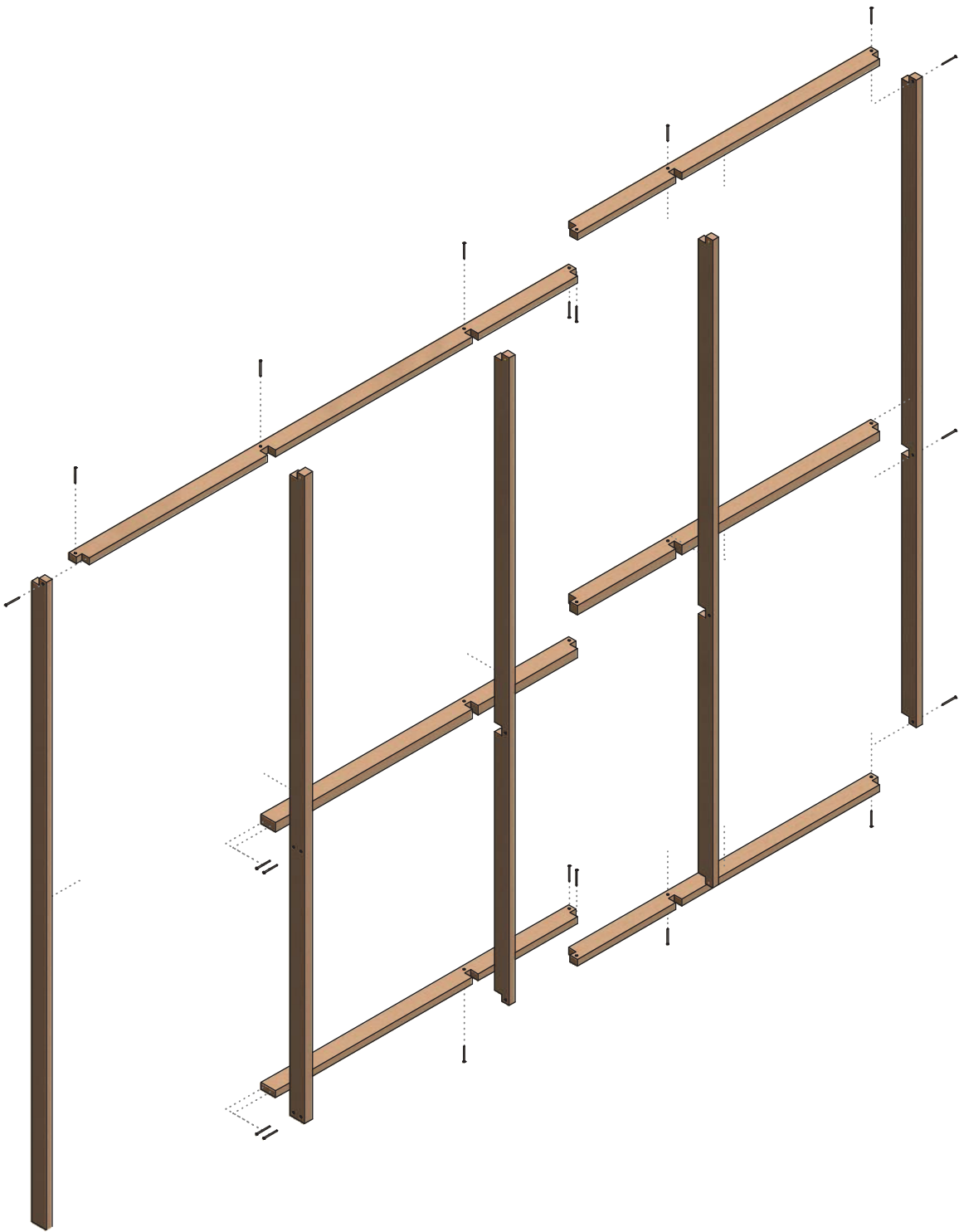


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Perspective



Framework



Notes:

- 1 - All joints to be sealed using non-thermally softening adhesive.
- 2 - Do not allow any contact of the glazing's edge with water.
- 3 - Do not install in locations where the glass temperature in normal circumstances might exceed 45° C.
- 4 - Avoid all glass to metal contact.
- 5 - Do not exercise any restraint on the glazing.
- 6 - Do not damage the glazing's edges nor the protection tape.
- 7 - Keep the rebates dry and free from aggressive products (acids, organic solvents, etc.).
- 8 - Use non-combustible setting blocks at base.
- 9 - Provide clearances of 4-5mm from glass edge to all peripheral framework.
- 10 - Provide clearances of 4-5mm from glass face to the beads, using designated gasket.
- 11 - Apply a neutral silicone sealant immediately after glazing.
- 12 - Frames fix to supporting construction at 600mm centres on jambs and head, min 200mm from ends. 75mm screws min.

Method of Build:

- 1 - Check the plan layout, elevation type and site location to determine any special site conditions that may affect the installation.
- 2 - Survey location. Cut and condition liners. Assemble frame using non-thermally softening adhesive and 75mm min screws.
- 3 - Ensure the frame does not exceed the dimensions shown on Sheet 1. Where applicable, ensure accurate openings for doors.
- 4 - Insert the assembled frame into the location, ensure the frame is plumb using an accurate, calibrated laser.
- 5 - Fix the frame to the supporting construction at 600mm centres and 200mm from ends using 75mm min screws.
- 6 - Use non-combustable packers between the frame and supporting construction at each fixing to keep the frame straight.
- 5 - Cut all beads. Fit front beads first, ensuring front face alignment. Fix using 40mm steel screws at 250mm ctrs (30° to glass).
- 6 - Survey accurately for the glass, allowing 4-5mm clearance to all peripheral framework. These edge gaps are critical.
- 7 - Clean the frame, then carefully apply the foam gasket to the fixed bead, without stretching the foam.
- 8 - Insert glass panes onto non-combustable setting blocks at the base, set 100mm from each end and centrally above mullions.
- 9 - Apply foam gasket to rear beads and fix to trap glass. Align rear bead and liner faces. Ensure good pressure to glass.
- 10 - Clean the screen, then apply suitable fire mastic to gap between frame and supporting construction, ensuring a neat finish.

|       |                          |        |            |
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