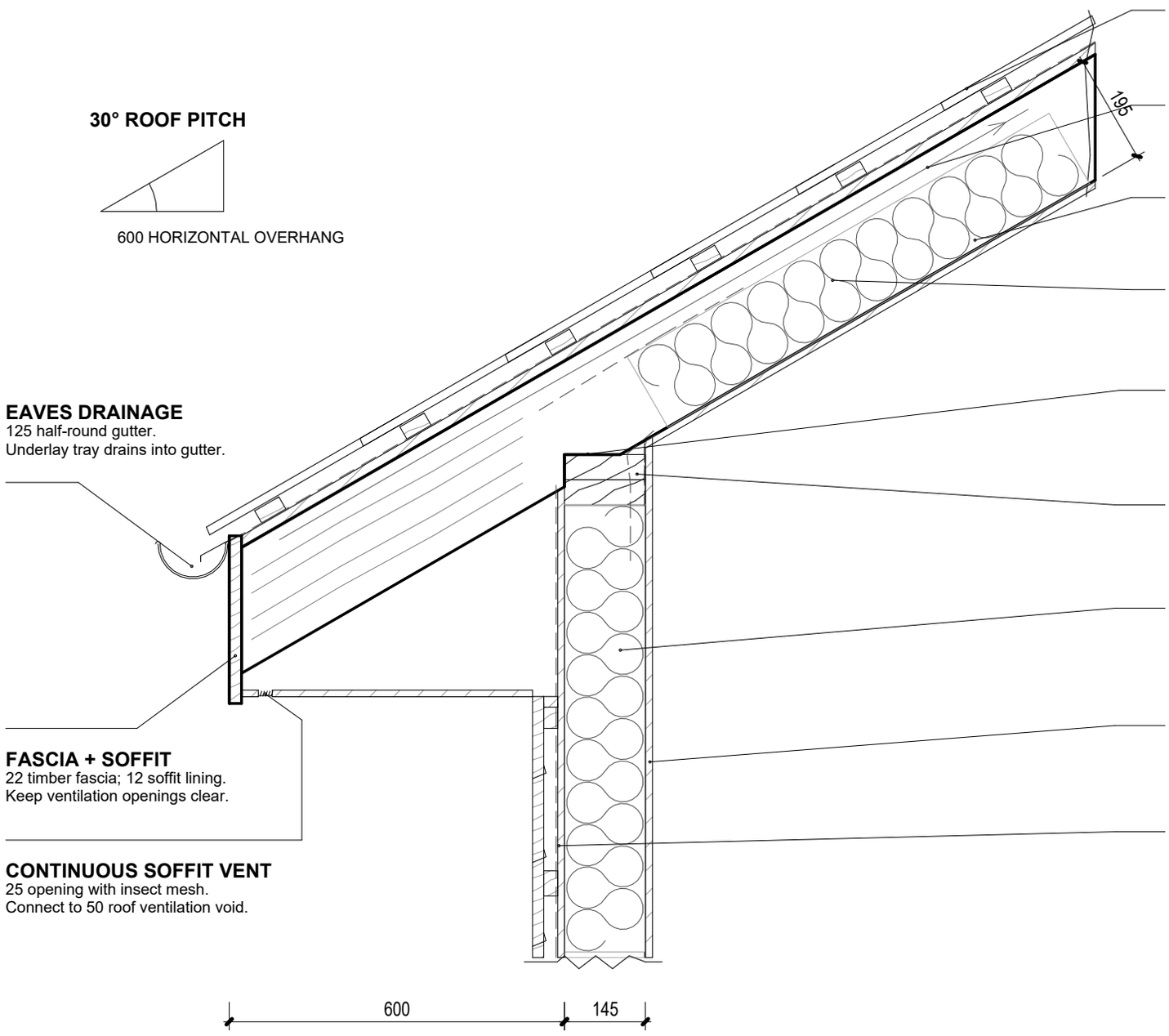
# 01 / TIMBER-FRAME EAVES

VENTILATED PITCHED ROOF | 1:10 | DIMENSIONS IN mm




**30° ROOF PITCH**

600 HORIZONTAL OVERHANG

**EAVES DRAINAGE**
125 half-round gutter.
Underlay tray drains into gutter.

**FASCIA + SOFFIT**
22 timber fascia; 12 soffit lining.
Keep ventilation openings clear.

**CONTINUOUS SOFFIT VENT**
25 opening with insect mesh.
Connect to 50 roof ventilation void.

FASCIA FACE TO OUTSIDE OF TIMBER FRAME

**ROOF COVERING**
Interlocking tiles on 25 x 50 battens.
Breather underlay over 18 plywood.

**VENTILATED ROOF CAVITY**
Maintain 50 clear air path above batts.
Eaves baffle keeps insulation clear.

**195 TIMBER RAFTERS**
45 x 195 rafters at 400 centres;
30 degree pitch. Members shown beyond.

**ROOF INSULATION**
145 mineral wool batts between rafters.
Fit tightly at eaves; keep airflow clear.

**BIRDSMOUTH BEARING**
100 horizontal seat on upper plate.
50 notch depth normal to rafter
(less than one third of 195 depth).

**DOUBLE TOP PLATE**
2 no. 45 x 145 timber plates.
Provide rated rafter hold-down strap.

**WALL FRAME + INSULATION**
45 x 145 studs at 400 centres.
145 mineral wool batts between studs;
stud indicated beyond section plane.

**AIRTIGHT INTERNAL LINING**
12.5 plasterboard; continuous VCL.
Tape wall / roof junction to top plate.

**EXTERNAL WALL BUILD-UP**
Timber cladding / 25 drained cavity /
breather membrane / 12 sheathing.
Close cavity at eaves with fire barrier.

SECTION CONVENTION: insulation is shown between framing; studs and rafters are indicated beyond.