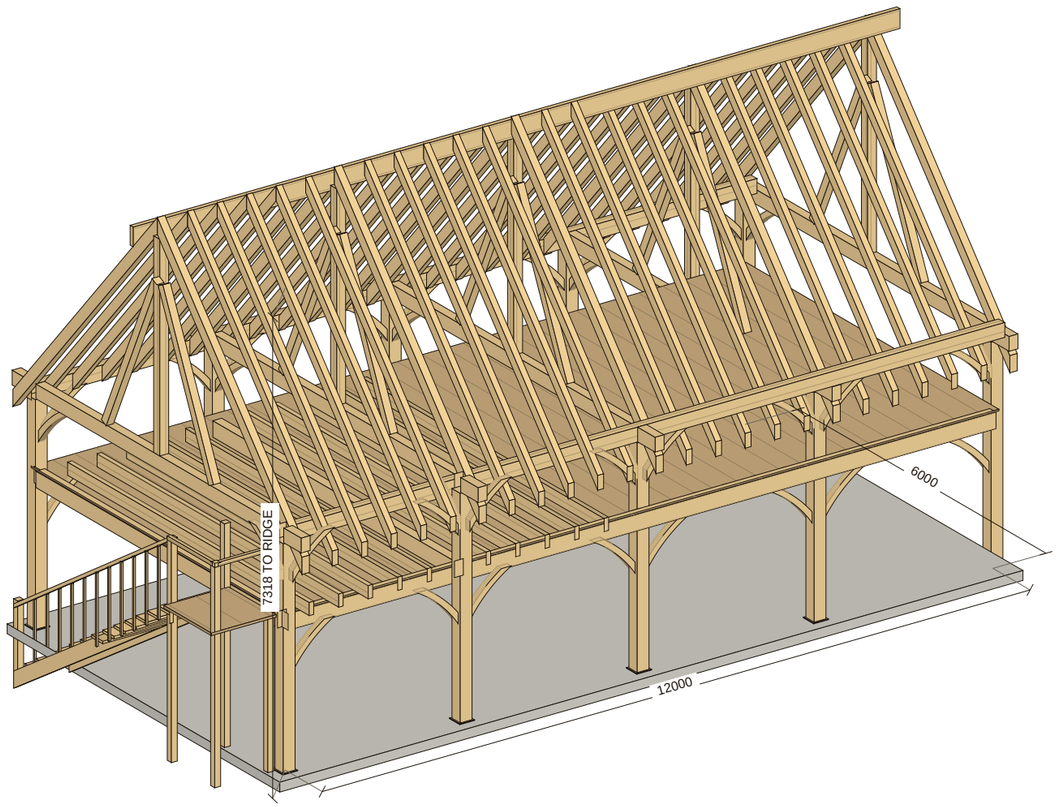
## TIMBER FRAME - FRONT-LEFT VIEW

Covering, cladding and glazing omitted to show the oak structure



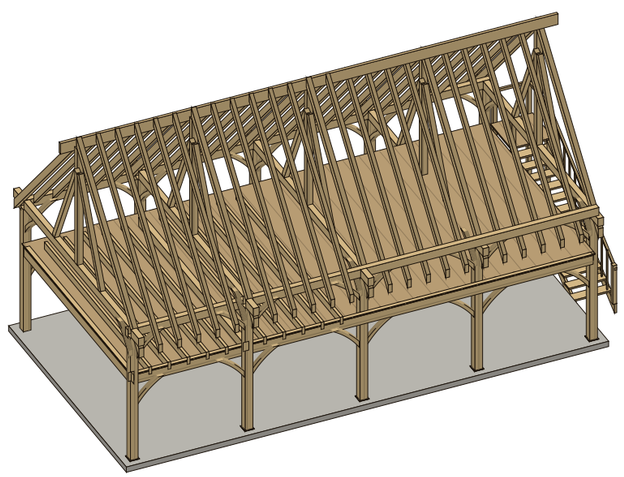

## OAK STRUCTURE

English oak frame, mortice and tenon joints, pegged with 20 dia oak pegs.
Post 200 x 200.
Floor beam 250 x 150.
Floor tie beam 250 x 150.
Floor joist 200 x 75.
Tie beam 225 x 150.
Tie beam end 225 x 150.
Principal rafter 175 x 125.
King post 150 x 150.
Raking strut 125 x 125.
Wall plate 225 x 150.
Ridge beam 200 x 75.
Roof angle 48 degrees [CHECK].
Roof covering: water reed thatch [CHECK].
All sizes typical, to be confirmed by structural engineer.

## KEY

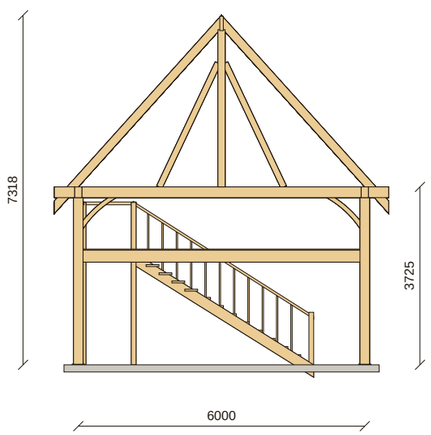
- Posts, beams and braces
- Rafters and ridge
- Steel base shoe
- Concrete pad / deck

## ROOF FRAMING - REAR-RIGHT, FROM ABOVE



## END ELEVATION

Scale 1:128 approx




FIRE & OAK
OUTDOOR KITCHENS & SPACES

# CARPORTS & GARAGES

The Studio Loft, 4 bays · 12 x 6 m

Oak timber frame: 3D views and end elevation

| DRAWING NO. | SCALE |
|---|---|
| FO-CAR-STUDIOLOFT4-B1 | NTS / as noted |
| DATE | SHEET |
| 07.10.2026 | 1 of 2 |

STATUS

**PRELIMINARY · REV P2**

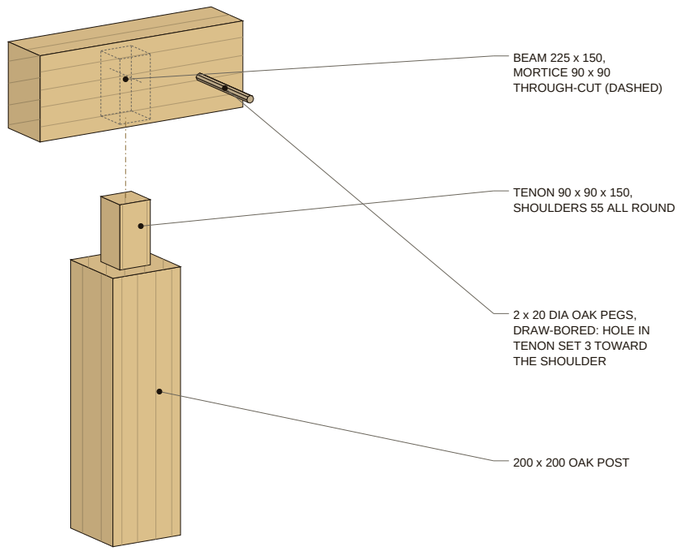
For design intent. Not for construction.

Sizes typical, to be confirmed.

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## A  POST TO BEAM: MORTICE AND TENON

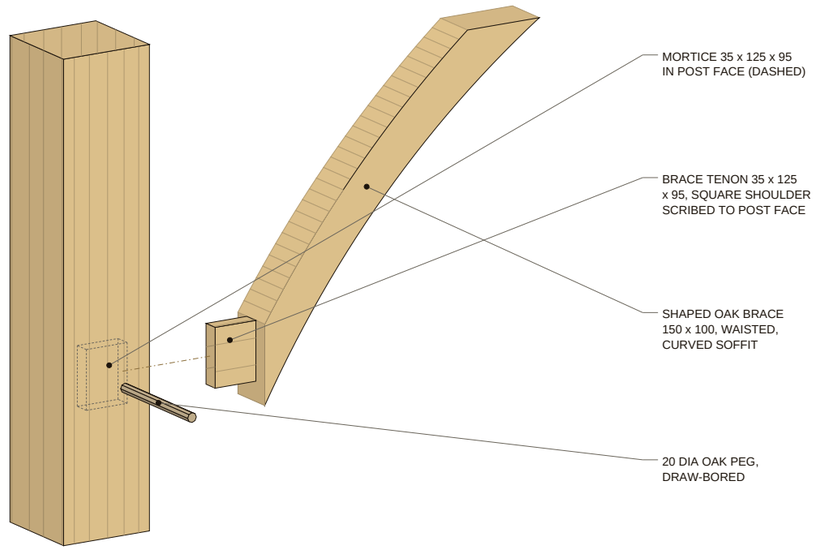
Exploded isometric · not to scale




Tie beam laps over the plate beam at the post head. Peg diameters and positions [CHECK].

## B  SHAPED BRACE TO POST

Exploded isometric · not to scale



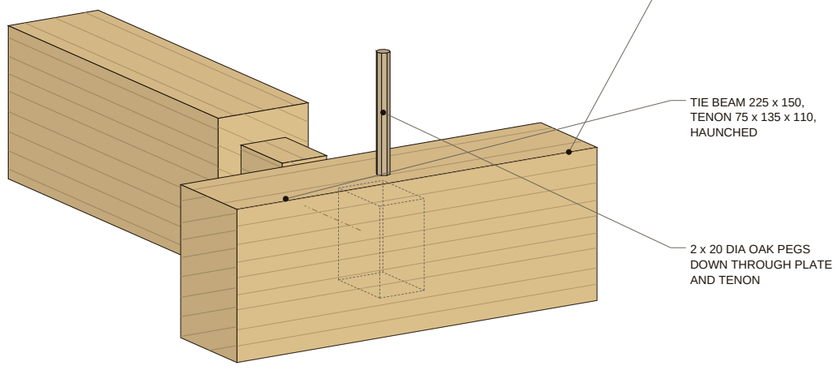

Same joint at the beam end, with the tenon rising into the beam underside.

## JOINERY NOTES

1. Joints shown exploded for clarity.
2. Dashed lines show the mortice or tenon hidden inside the timber.
3. Peg sizes, draw-bore offset and tenon proportions are for the carpenter to confirm [CHECK].
4. Every structural joint in the frame is a pegged mortice and tenon or half-lap. No steel brackets.

## C  TIE BEAM TO PLATE BEAM

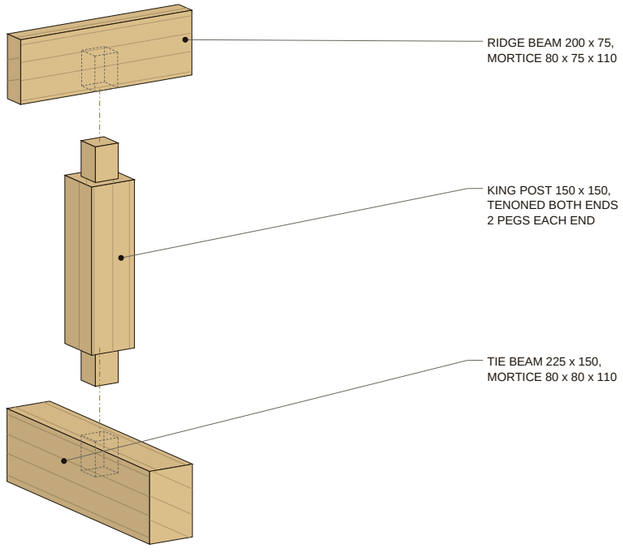
Exploded isometric · not to scale




Tie beam oversails the plate by 150 at the gable. Haunch and peg set-out [CHECK].

## D  KING POST TO TIE BEAM AND RIDGE

Exploded isometric · not to scale




Raking struts and principal rafters are housed to the king post and pegged.

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# CARPORTS & GARAGES

The Studio Loft, 4 bays · Mortice and tenon joinery

Exploded joints: post, brace, tie beam, king post

| DRAWING NO. | SCALE |
|---|---|
| FO-CAR-STUDIOLOFT4-B2 | NTS |
| DATE | SHEET |
| 07.10.2026 | 2 of 2 |

STATUS

**PRELIMINARY · REV P2**

For design intent. Not for construction.

Joints typical, to be confirmed.

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