A team of two (2) carpenters constructs and erects stick framing at the rate of 50 lineal metres per hour (not pre-nailed).

What quantity of timber is required and how long do you estimate it would take for the pair to erect the external and internal timber framing?

Show your working for calculating each of the following:

- Timber required for external framing (including top plates, bottom plates, studs and noggings)
- Timber required for internal framing (including top plates, bottom plates, studs and noggings)
- Estimated time required to construct and erect external framing
- Estimated time required to construct and erect internal framing
- Total estimated time required

Time and Materials

Item	Your Calculations
Timber required for external framing	Front Elevation Double Top plates and bottom plates
Timber required for internal framing	
Estimated time to construct and erect external framing	
Estimated time to construct and erect internal framing	
Total estimated time required	

3)

To answer the following question, you will need to refer to the Plans and Specifications for the Coomera Waters Residence.

A carpenter has the following aluminium joinery productivity:

Fix aluminium windows - 45 minutes Fix aluminium door - 75 minutes How long would you estimate it will take to fix the aluminium windows and doors on the house?

Show your working.

4) Using the Loaded Labour Hourly Rates, estimate the labour cost for:

- the bricklayer laying external bricks
- the carpenters erecting wall framing (external and internal)

Show your working.