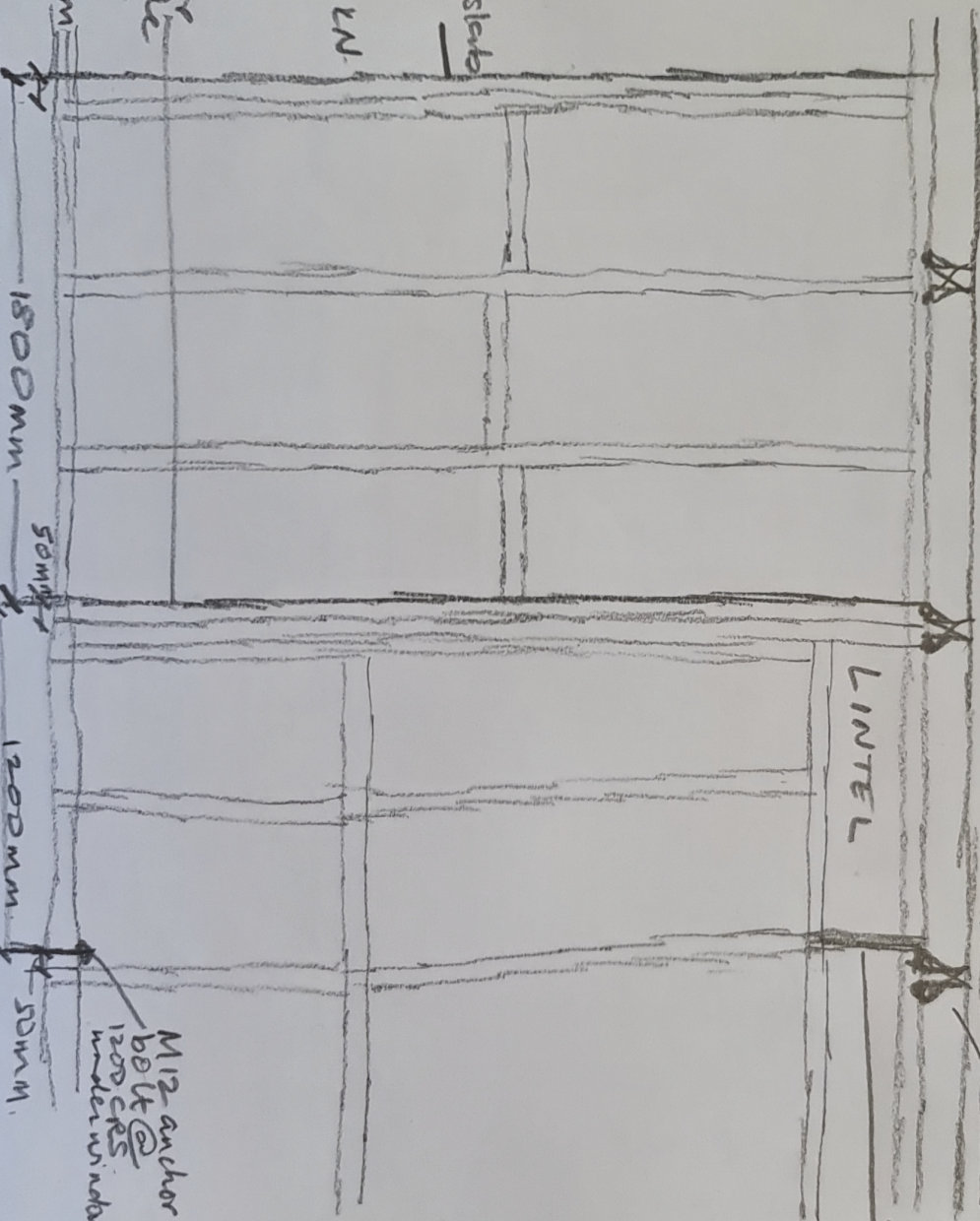


WORKPLACE TASK 3 STRUCTURAL DESIGN

Battens to Roof Trusses
uplift force $0.24 \text{ kN (per m)} + 1.5 \text{ kN (edges)}$
1/35 mm type 17 Batten screw.



Roof trusses @ 900 c/c to top
plates
30x2.8 mm looped strap,
4/2.8 mm diameter nails
each end. Strength 13 kN.
30x0.8 mm looped strap with
4/2.8 mm nails located within
100 mm each truss or rafter
that falls over any lintel
Strength = 6.20 kN.

TIE-DOWN DETAIL - ROOF LOAD + FRAMING

Notes: Lintels to be fixed
as per Table 9.22 of AS1641.2-22
1/12 Bolt to sides of opening.
top plate to be bolted to lintel
within 100 mm of each truss/rafter
Roof bracing to be installed
as per manufacturer spec
All tie-down fixings as per
AS 1641.2-2010.

Top plate to
Roof truss plate
M12 anchor
rods at each
corner
strength 99 kN

1/12 anchor
rod each side
of opening

50 mm

1800 mm

50 mm

1200 mm

50 mm

M12 anchor
bolt @
1200 c/c
under windows

LINTEL

Project: Knights Construction #18, Tindalee

Scale: 1:20

Drawn by: Noreen Abu-Obeid 22/11/2022

Reviewed: Noreen Abu-Obeid 22/11/2022