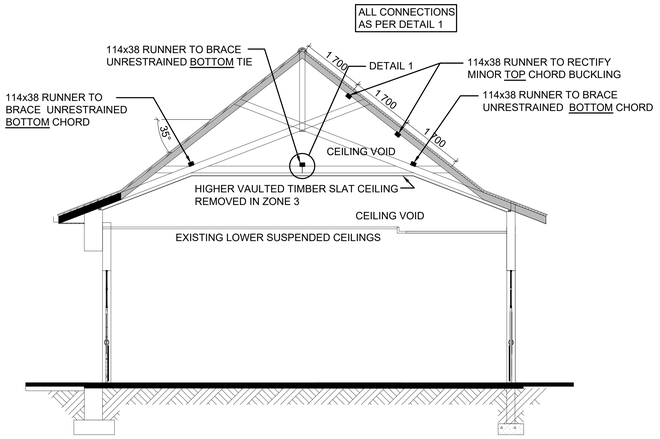
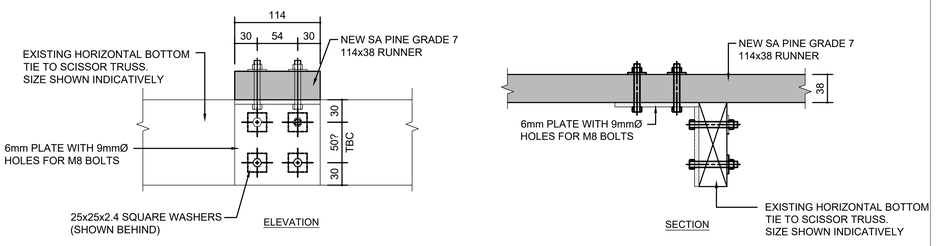
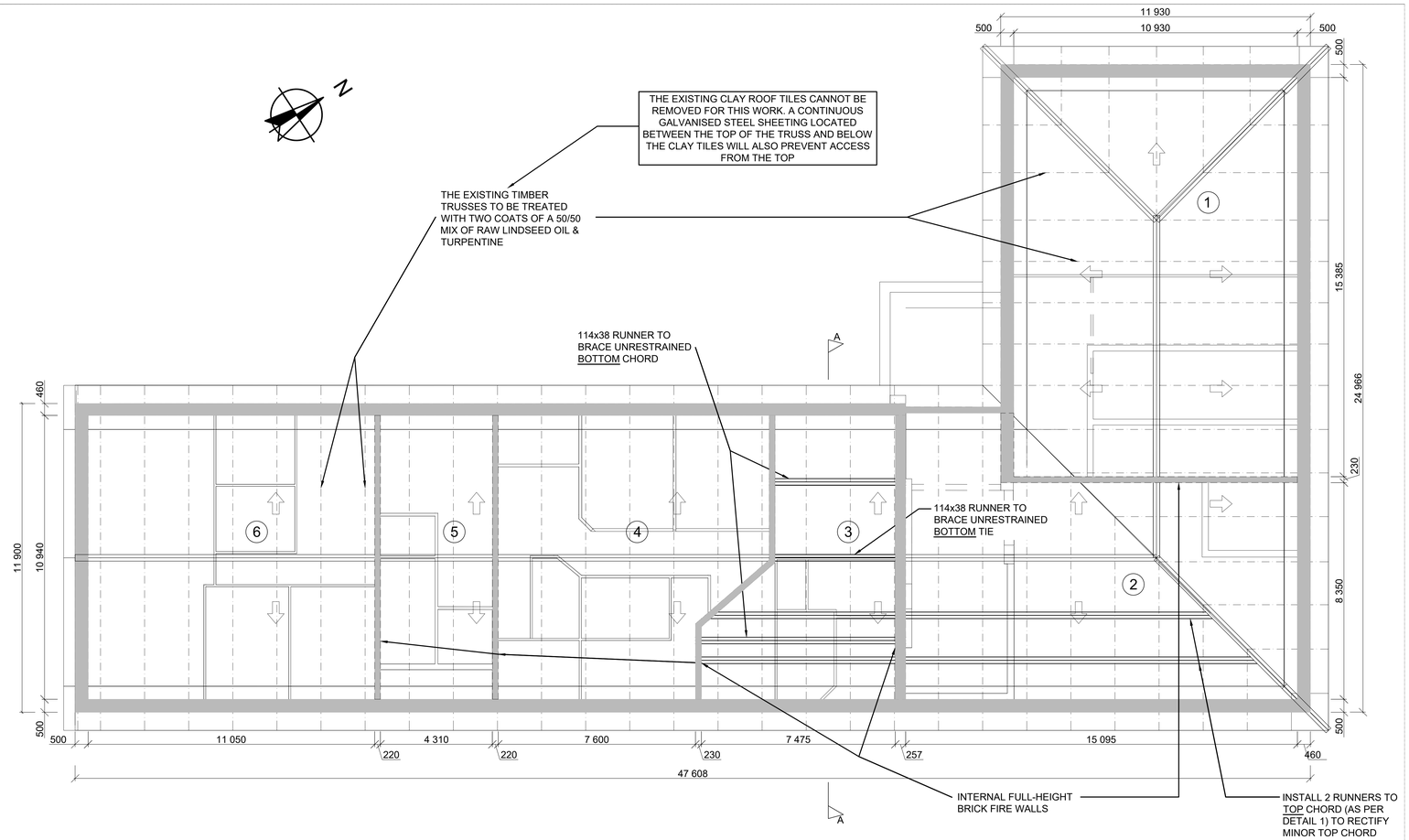


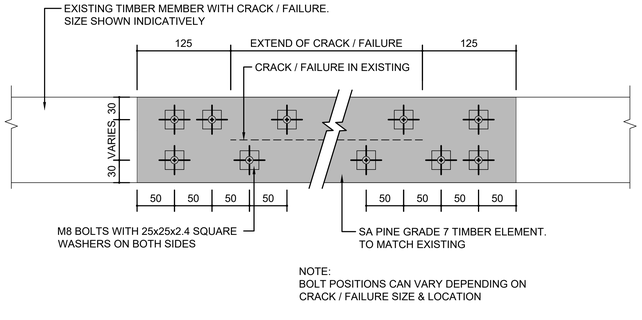
SECTION A-A THROUGH ROOF ZONE 3



DETAIL 1



ROOF LAYOUT



TYPICAL ELEVATION ON TIMBER ELEMENT
CRACK / FAILURE REPAIR

Roof element	DESCRIPTION OF ROOF ELEMENT PER ZONE				
	Zone 1	Zone 2	Zone 3	Zone 4 & 5	Zone 6
Roof truss	Scissor type timber trusses	It appears that the building previously consisted of a wing running in the N-S direction, and another in the E-W direction, each with scissor type timber trusses. Where the buildings were joined in this zone, additional trusses where added and connecting timber elements were installed throughout	Scissor type timber trusses. long untriangulated bottom chords and horizontal bottom tie elements will require additional runners	Scissor type timber trusses	Access was not possible into this ceiling void. Assume similar conditions to those of zones 4 & 5
Galvanised steel sheeting above trusses and below clay roof tiles	Visible where there are openings in the ceiling (see below)	Visible throughout	Visible throughout	Not visible due to ceiling (see below)	
Existing old (higher) ceiling, hidden by newer (lower) flat ceiling	High-vaulted timber slat ceiling located just below scissor truss. Access openings have been cut through ceiling in a few places. To obtain full access to the trusses for treatment with the lindseed oil / turpentine mix, additional openings will need to be cut through the higher ceiling	No higher ceiling	No higher ceiling	Continuous high-vaulted timber slat ceiling located just below scissor truss. No access trapdoors visible between full-height brick fire walls compartmentalizing each of these zones. To obtain access to the trusses for treatment with the lindseed oil / turpentine mix, new openings will need to be cut through the higher ceiling.	

REFER TO DRAWING P2023-00148-000 FOR STRUCTURAL NOTES

REVISION DETAILS

REV	DATE	DESCRIPTION
A	03/10/2024	FOR INFORMATION

CLIENT

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PROJECT

UNIVERSITY OF PRETORIA
DEFERRED MAINTENANCE PROJECTS
4051-OLD CHEMISTRY

DRAWING DESCRIPTION

ROOF PLAN & DETAILS

SCALE ON A1	DATE CREATED
AS SHOWN	OCTOBER 2024

PROJECT DRAWING NUMBER	REVISION
NYELETI DRAWING NUMBER: P2023_00148_051	A