

- NOTES:**
1. If in doubt please ask.
  2. Do not scale this drawing.
  3. This drawing is to be read in conjunction with all Engineer's, Architect's or other relevant drawings and specifications. Any discrepancy is to be reported to the engineer immediately.
  4. The contractor must ensure and will be held responsible for the overall stability of the building/structure/ excavation at all stages of the work.
  5. All existing details shown are based on limited opening up. Assumptions have been made regarding existing construction. Framing and spans of existing slab joist and walls to be confirmed on site.
  6. To be Read with General Notes GN-001

**DENOTES:**

Demolition, refer to architects plans

New timber walls

New Timber Roof/Floor Joists

New Steel beam

New Columns

Column Under

Foundation

Read in conjunction with GN-001 and all other architects and engineers information

**STEEL COLUMN SCHEDULE: ALL S355**

C1: 80x80x8 SHS

Refer to GN-001 for general notes.

**LRS**

Lateral Restrain Straps 30x5x 150+1050 long L-strap galvanised fixed to floor with 5 No. 5.5 dia wood screws via solid noggings and built-in wall with min. 150 return

**STEEL BEAM SCHEDULE: ALL S355**

GB1: 203x133x25 UB  
GB2: 203x133x25 UB

# Allow for 10thk S275 plate to support wall over.

- (A) Use minimum 4M16 8.8 bolts and 6mm fillet welds to any steelwork connection subject to design. UNO
- (M) Rigid Connection
- All beam to beam connections to be end plate connected, Min. 10mm MS plate.
- Refer to plans and schedule for mass concrete padstones locations and sizes.
- Alternative to concrete padstones use steel plate. Consult engineer for plate thickness.

Refer to notes drawing GN-001 for further specification.

"T5" tree canopy. New foundations to consider roots within design and specification

Column to be strapped to timber stud wall at 1200mm vertical centres to match vertical positioning of noggins

Helifix DIXIE Micropiles installed by Specialist Contractor. CDP Item.

Screw piles to be used to mitigate impact of foundations on existing root structures. Refer to Piling Notes.

**TIMBER FLOOR/ROOF SCHEDULE**

- FJ1 (Floor Joists): 50x150 C24 at 400 c/c
- TB1 (Timber Beam): 2 No. 75x200 C24
- RJ1 (Roof Joists): 50x150 C24 at 400 c/c
- TW1 (Timber Stud Wall): 50x100 C24 Studs at 400mm crs, with 50x100 sole & header plates & 50x100 horizontal noggins at 600mm crs (all C24 grade timber). 12mm thk. plywood sheathing screwed to each face.

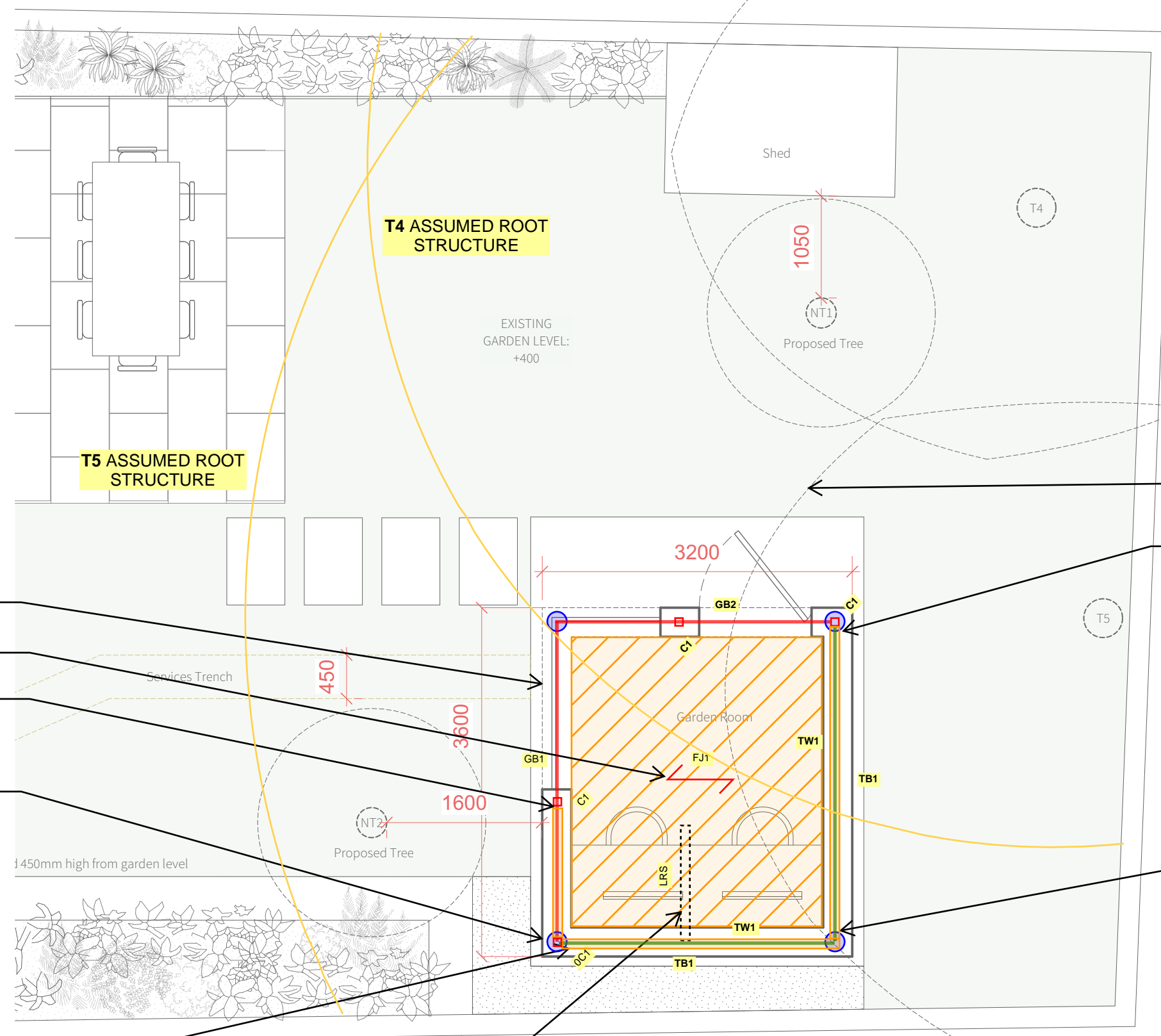
Min. 18mm thk ply decking to floors  
Min. 12mm thk ply decking to roofs (no access)

End of joists to be supported on maxi speedy joists hangers (SWL 5.9kN) to beam webs via timber plate bolted to steel with M12 at 600crs

Refer to specification and GN-001 for further notes

**PILING NOTES:**

1m trial pits to be dug by hand to determine the exact location of each Micro pile. Tree roots of 25mm DIA or greater must be avoided and protected in accordance with the Arboricultural Report. Refer to the Arboricultural Report prepared by GHA Trees Arboricultural Consultancy for additional site specific pile installation requirements.



**GARDEN STUDIO PLAN**  
Scale 1:50

Glazing elements to be positioned on centreline of steel beams

Suspended timber floor structure to connect to perimeter beams and transfer load to foundations

Column to be strapped to timber stud wall at 1200mm vertical centres to match vertical positioning of noggins

All SHS posts to be positioned either directly above screw piles or centreline of beam

Column to be strapped to timber stud wall at 1200mm vertical centres to match vertical positioning of noggins

30x5x1200mm Long 'L' shaped galvanised lateral restraint (LRS) strap at midspan of joists. Built into studwork wall and screwed to underside of floor joists/ timber noggins at strap locations with minimum 5No. 12x50mm screws.

P2	12.08.2021	Issued for Information	RN	AB
P1	27.07.2021	Issued for Information	RN	AB
Rev	Date	Amendments	By	Chk'd

**PRELIMINARY**

**AXIOM STRUCTURES**

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Project:  
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Drawing title:  
**GARDEN ROOM - GROUND FLOOR PLAN**

Date:	07/2021	Scale at A2:	1:50	Scale at A4:	1:100
Drawn by:	RN	Designed by:	RN	Chk'd by:	AB

Drawing No.: **21080-ASL-SK-07** Revision: **P2**