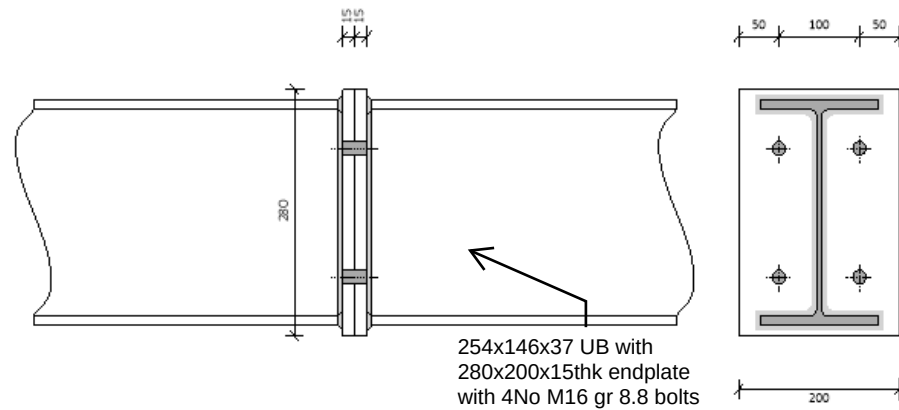
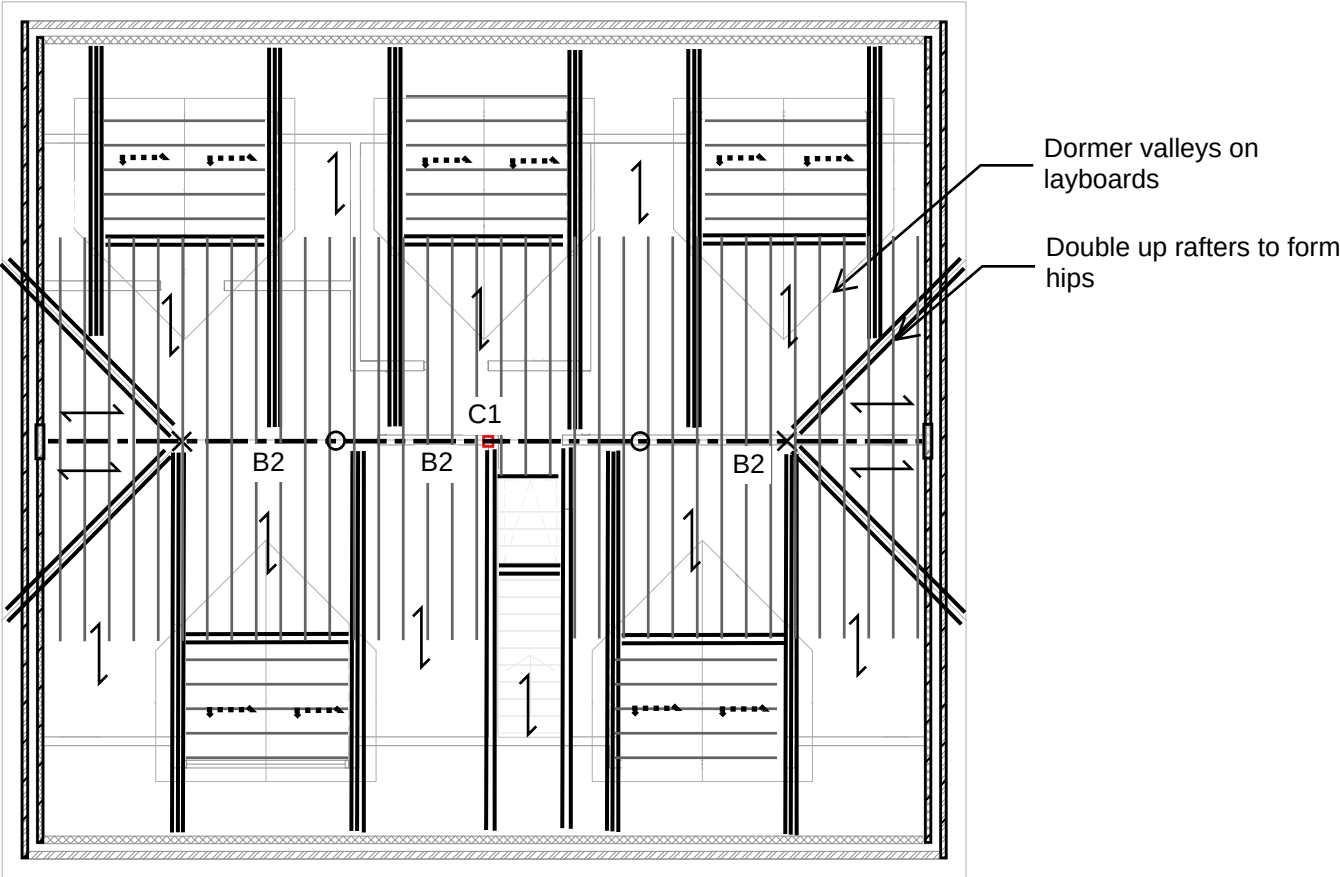




Ridge beam splice connection detail



First floor plan showing roof structure over

General Notes
This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications. Inform design team immediately if any discrepancies are noted. Do not scale from this drawing.

All dimensions to be confirmed on site by contractor.
If there are any concerns after removing the finishes, or any discrepancies to the assumptions shown, or if there are any concerns prior to or during demolition, Thetis should be consulted immediately.

Steel
All steel S355 UNO. All Plates S275 UNO. All bolts M16 grd 8.8 UNO. All welds min 6fw UNO. All fillet welds to base plates, cap plates & end plates to be all round. UNO, base plates to be min 10mm thk S275 steel w/ min 4 No. M16 bolts.

All steel connections to be designed for a min ULS Shear=50 kN and to contain at least 2 No. M16 grd. 8.8 bolts. Design by fabricator.
All new steelwork to have min 100mm bearing onto new padstones.

Temporary Works
The Contractor is entirely responsible for maintaining the stability of all existing buildings and structures, within and adjacent to the works, and of all the works from the date of possession of the site until practical completion of the works.

The Contractor shall design, install and maintain all necessary temporary works and shall submit proposals for the temporary supports and sequence of construction for the works, to the Structural Engineer and Contract Administrator at least 10 working days prior to starting on site. These proposals shall be supported by design calculations unless agreed otherwise by the Structural Engineer in writing.

Stability
The Contractor is to accept full responsibility for the stability and structural integrity of the works during the Contract and provide temporary support as necessary. They shall also prevent overloading of any completed, partially completed or existing elements.

Steel Element Schedule

C1	100x100x5.0 SHS S355 under beam
B1	203x102x23 UB S355
B2	254x146x37 UB S355

Lintel Schedule

L1	200x100x5.0 RHS S355 with 270x10mm thk bottom plate
L2	Standard duty Catnic lintel CG90/100
L3	Heavy duty Catnic lintel CH90/100
L4	Naylor S5 precast lintel 140x140dp

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.

Do not scale from this drawing.

Key

- Span of 47x200 C24 timber rafters at 400mm c/c
- 100mm 7.3N lightweight concrete block wall
- 140mm 7.3N lightweight concrete block wall
- Steel beam
- Steel beam with bottom plate
- Steel post
- New Lintel
- Doubled up timber
- Treble timber
- Crank in steelwork
- Splice location
- Span of 47x200 C24 ceiling joists at 400 c/c at low level
- Span of 47x100 C24 ceiling joists at 400 c/c at low level
- Span of 47x100 C24 timber rafters at 400mm c/c
- 440x215x100 mass concrete padstone

P2	07/06/23	DKH		Updated to suit design
P1	16/05/23	DKH	OJS	Preliminary

rev	date	by	chk	description
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Thetis Engineering Ltd.

Project
32 Valley Road, Chandlers Ford

Drawing title
First floor plan
showing roof structure over

Scale	Date	Drawn
NTS	May 2023	DKH
Drawing status	Status	Revision
Preliminary	S2	P2
Project no.	Originator	Zone Level Type Role drg no.
2230109 - THE	- ZZ - 00 - SK - S	- 0003