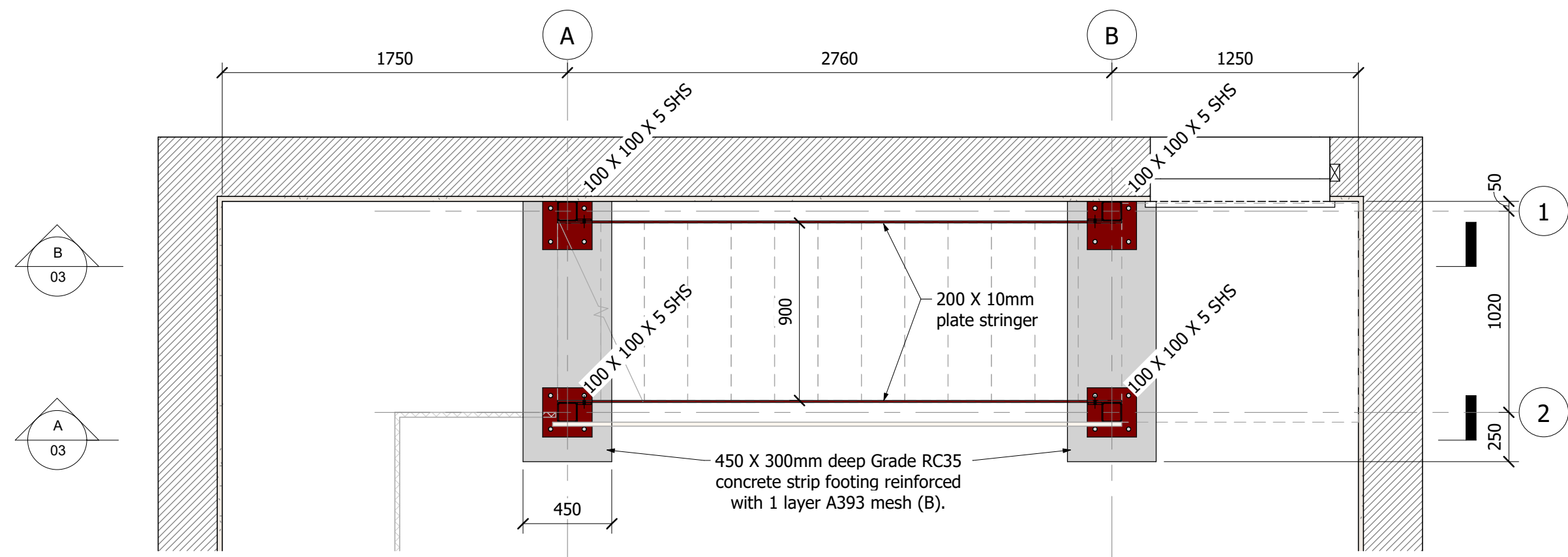
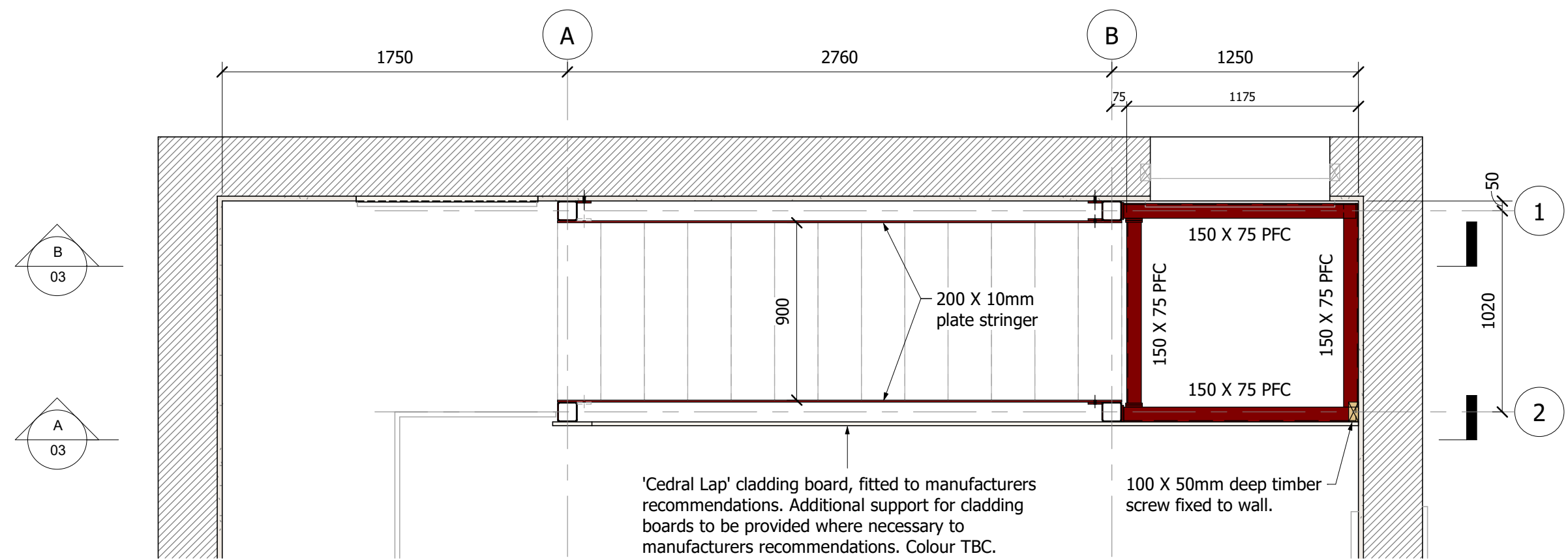




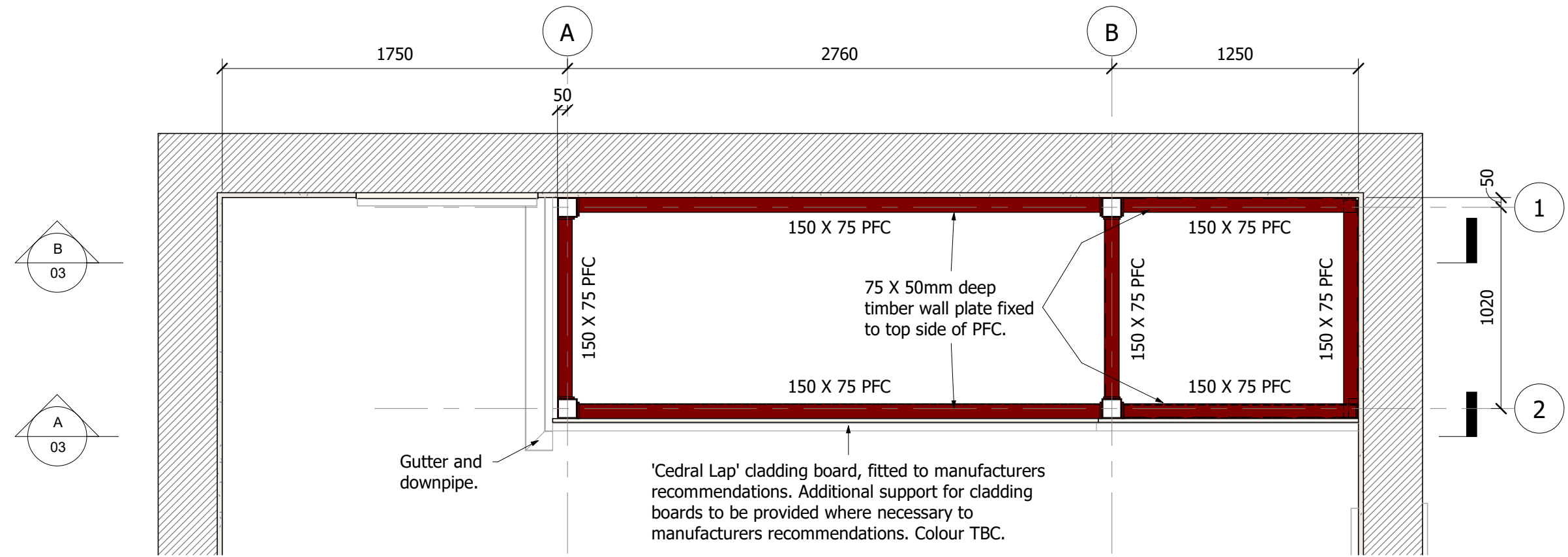
STAIR FOUNDATION

1 : 25



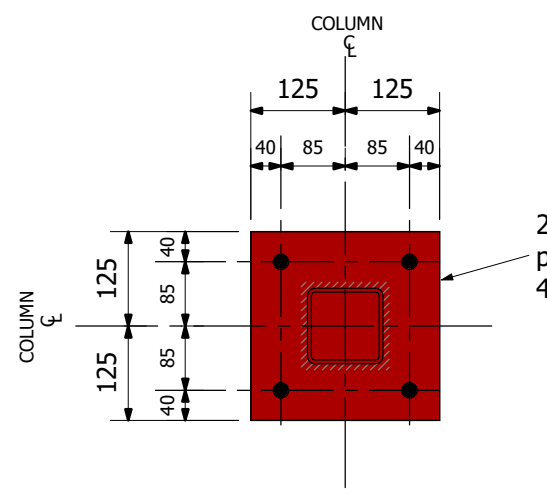
PLAN ON STAIR LANDING

1 : 25



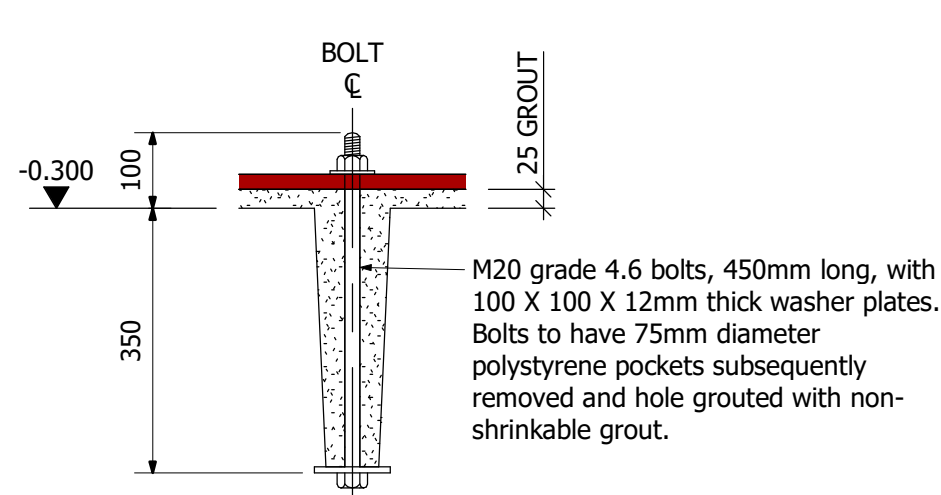
PLAN ON STAIR ROOF

1 : 25

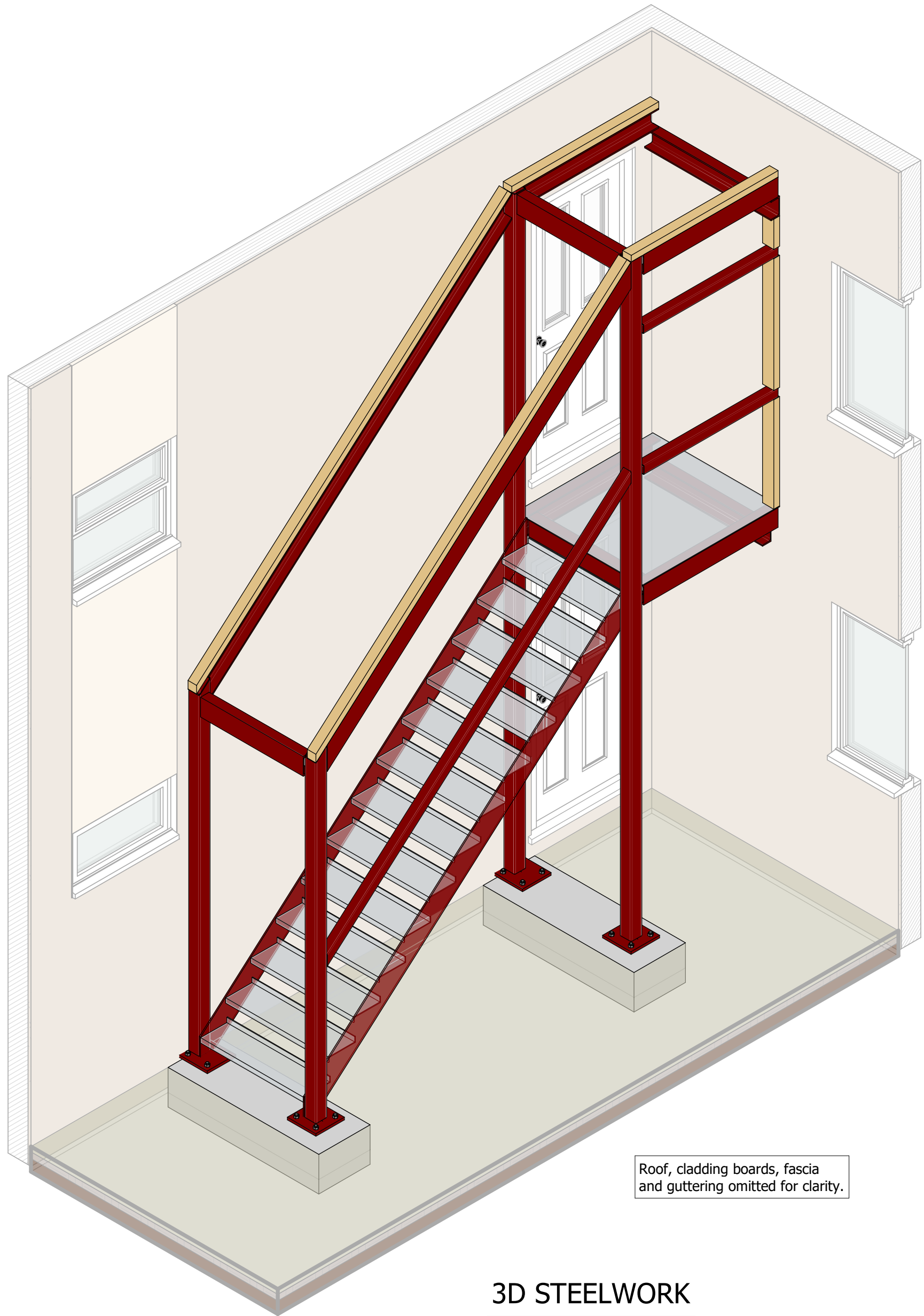


100 X 100 X 5.0 SHS

1:10



HOLDING DOWN BOLT DETAIL



3D STEELWORK

NOTES

1. All dimensions are in millimetres. All levels are in metres.
2. Do not scale this drawing, use figured dimensions only.

CONCRETE:

1. Prior to any concreting, formation level to be inspected and approved by the Engineer.
2. Prior to excavation care must be taken to locate and clearly mark all existing services which may remain under the new building.
3. All soft spots below foundations to be removed and replaced with lean mix concrete as directed by the Engineer.
4. Blinding and infill concrete to be Grade C20.
5. Reinforced concrete to foundations to be Grade RC35.
6. All compaction to be carried out in accordance with the DOT specification.
7. Minimum lap to reinforcement to be a minimum of (40 x diameter of largest bar) or 400mm.
8. Minimum cover to all reinforcement to be :-
Foundations - 40mm.

STEELWORK

1. Steelwork fabricator to design and detail all connections using the following:
 - a) For simple connections SCI publication No. P212.
 - b) For moment connections SCI publication No. 207/95.
 - c) All connections to be capable of resisting the tying force required by BS.5950.
 - d) Loads will be provided by the Engineer.
2. Prior to any fabrication:
 - a) All calculations and details to be approved by the Engineer.
 - b) Fabricator to produce a full set of detailed drawings for approval.
3. All detailing to be carried out using a 3D drafting system. No hand drawings will be accepted.
4. Specification for all structural steelwork to be in accordance with the latest edition of the "National Structural Steelwork Specification the Building Construction" by BCSA.
5. Exposed Steelwork Painting Specification:
All structural steelwork to be hot dip galvanised to BS.729:1971 with a minimum of 140 microns.
6. Steelwork fabricator to be solely responsible for temporary work and the erection of structural steelwork.
7. Unless otherwise noted:
 - a) All hot rolled open sections to be grade S355JR u.n.o.
 - b) All hollow sections to be hot finished grade S355J2H.
 - c) All welds to be 6mm continuous fillet welds u.n.o.
 - d) All bolts for hot rolled sections to be grade 8.8.
 - e) All bolts for cold rolled sections to be grade 4.6.
8. All wall restraining members and window trimmers to fixings.

P1	DESIGN DEVELOPMENT	E.B.	22/07/26
P0	FIRST ISSUE		21/07/26
Rev.	Description	Drawn	Date



CLIENT
V2C VALLEYS TO COAST

PROJECT
280 MAES-Y-FELIN
BRIDGEND
CF31 1YZ

DRAWING
STRUCTURAL DETAILS 1 of 2

Drawn	E.B.	Checked	EAK	Date	JUL. 26	Scale	AS SHOWN
Drawing Size	A1	Job No.	18753	Drawn No.	02	Rev.	P1

DRAWING STATUS: P = PRELIMINARY T = TENDER C = CONSTRUCTION
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