

STEELWORK NOTES

The Contractor is to take accurate site dimensions prior to commencement of fabrication details for new steelwork. Fabrication details to be submitted to Engineer for comment prior to fabrication.

Levels of all new steelwork to be determined on site and agreed with

Architect prior to fabrication.

pack prior to the removal of the needle and props.

undertaken without prior approval from the Engineer.

All steelwork to be hot rolled grade S355J0 to BS EN 10025:2019,

10210:2006, unless stated otherwise.

All structural steelwork has been designed and shall be fabricated in accordance with BS EN 1090 to execution class 2, unless stated

All beams to have a minimum bearing on 150mm where possible.

Steelwork Protection - All steelwork to be blast cleaned to Sa 2½ in accordance with BS EN ISO 12944. Internal Specification - coat with a Zinc phosphate epoxy primer to 85 μm in accordance with BS EN ISO 12944. External Specification - hot dip galvanised to 140µm in accordance

All bolts to be grade 8.8. and spun galvanised unless otherwise stated.

All bolt holes to be 2mm clearance holes to suit size of bolt.

All steel beams shall be pre-drilled for web packers and flange plate

All pairs of beams to be space bolted together using M16 bolts with

Fabricator to issue fabrication drawings to Structural Engineer and Architect for comment a minimum of 5 days prior to fabrication. Final

All structural timber to be in accordance with BS EN 14081 and BS

All structural ply to be in accordance with BS EN 314-2: 1993 (bonding quality requirements).

All OSB for structural purposes to be in accordance with BS EN

All multiple timbers to be bolted together with M12 bolts (grade 4.6) @ 500mm centres unless noted otherwise with 50 x 50 x 3mm

manufacturers recommendations.

All sole plates are to be fixed to steel beam with suitable self

Corners to have triple vertical studs bolted together. Additional

All lintels over 1m to receive 2No. 47 x 140mm C16 cripple studs

and 1 No. 47 x 140mm C16 flanking stud unless noted otherwise.

50mm length at 150mm ctrs.

GENERAL NOTES

This drawing is to be read in conjunction with all other relevant Specialist drawings, details and the relevant Health and Safety Plan (as appropriate.).

DO NOT set out from this drawing. Check all dimensions and consult Engineer if any queries arise. Do not scale from drawings.

All dimensions to be checked on site. All details and dimensions relating the sub-contractors or suppliers work must be checked and agreed between the subcontractors or supplier and the general

Works to comply with current Codes of Practice, Eurocode, British Standards and Building Regulations.

strapping in order to comply with The Building Regulations.

Contractor to provide all necessary vertical and lateral restraint

Temporary Stability - Contractor to provide all necessary temporary

connections to be prepared by suitably qualified persons prior to

propping to safely undertake the works. Roof and Trimming - Design of roof structure, trimmers and

construction. Party Wall - Works come under the Party Wall Etc. Act 1996. All

appropriate notices and awards should be issued prior to work taking

CONCRETE

All concrete to be specified in accordance with BS 8500:2015 parts 1 and 2, and BS EN 206:2013.

Unless detailed and scheduled the contractor is to provide all necessary reinforcement spacer chairs.

All concrete to be RC32/40 concrete, unless stated otherwise.

All shuttering to shuttered concrete to others details.

Plain concrete in foundations shall be placed in direct contact with the bottom of the excavation, the concrete being deposited in such a manner as not to be mixed with the earth.

The bottom of excavations for reinforced concrete works shall be covered with a blinding layer of C8/10 GEN 1 concrete not less than 50mm thick with a smooth surface.

No concrete shall be mixed or placed while the temperature is below 1° C on a rising thermometer or 2°C on a falling thermometer.

Newly placed concrete shall be protected by approved means from frost, rain, sun and drying winds.

All reinforcement to have minimum 40mm cover, 50mm to underside, unless stated otherwise.

Detailing of day work/construction joints by groundworks contractor. Positions to be agreed with engineer.

ABR = Alternate Bars Reversed

other defects in the concrete.

Bar annotation as set out below:

T1/2 = Top Face (T1=Outer Layer, T2=Inner Layer) B1/2 = Bottom Face (B1=Outer Layer, B2=Inner Layer) NF = Near Face (N1=Outer Layer, N2=Inner Layer) FF = Far Face (F=Outer Layer, F2=Inner Layer) EF = Each Face; AB = Alternative Bars; STG = Staggered Bars;

Services are not expected to exceed 150mm diameter and are to be suitably sleeved through reinforced concrete elements. Bars may be locally displaced to accommodate this.

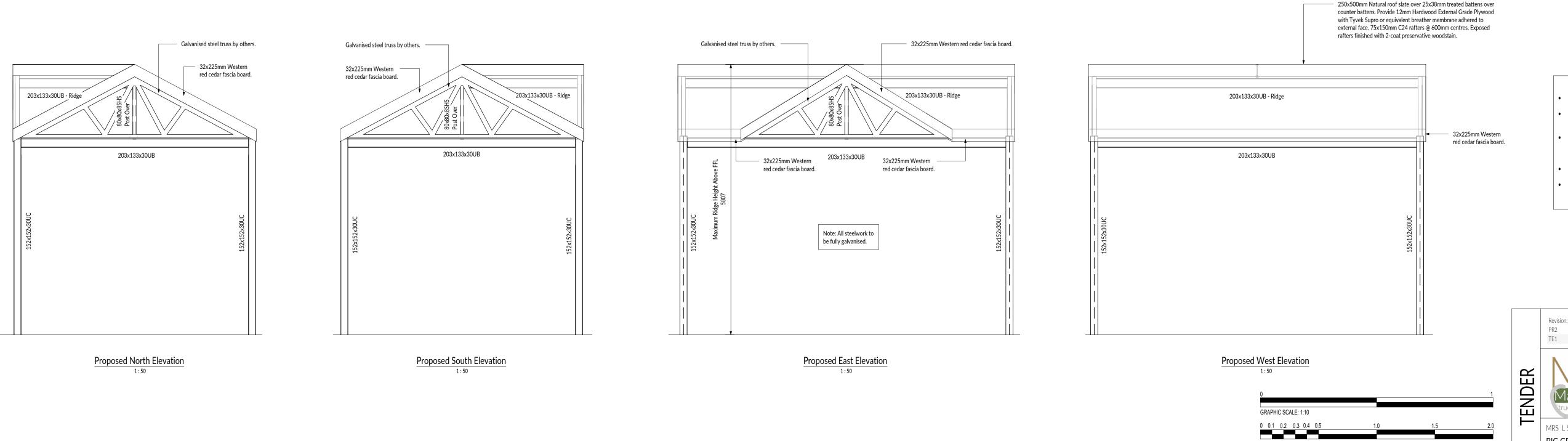
All reinforcement to have minimum lap lengths set out below:

H25 - 1000mm

H12 - 480mm H16 - 640mm H20 - 800mm

H32 - 1280mm Reinforcement to be inspected & approved by the Engineer before

concrete casting commences (min 24 hour notice). Concrete shall be placed and fully compacted to avoid cold joints, honeycombing and to minimise segregation, excessive blemishes or



Designers Risk Assessment:

Installation of heavy beams - Mechanical aids should be employed if required when Temporary Support - The contractor is to provide all necessary temporary propping

to safely undertake the work and maintain structural stability, including sides of excavations for sub structure and retaining elements. Confirmation of Structural Layout -The assumptions made within the calculations and drawing should be confirmed on site, prior to commencement of works. Any

differences should be discussed with Structural Engineer, in order to check Working at height - Suitable scaffold to be provided in order to carry out works

Asbestos - Any suspected Asbestos containing materials should be tested and removed by specialist contractors in accordance with HSE guidance.

BIG GREEN, POLPERRO STAGE PLAN & ELEVATIONS

As indicated @ A1 NMD Project No: Drawing No: Revision:

030

Checked:

MWP

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