

- NOTES
1. All dimensions are in millimetres unless noted otherwise.
 2. All levels are shown in metres unless noted otherwise.
 3. Do not scale from the drawing. Use figured dimensions only.
 4. Any discrepancies to be reported immediately to the engineer.
 5. This drawing to be read in conjunction with all relevant Architects, engineers, subcontractors and specialists drawings and specifications.

- CONCRETE NOTES
1. Carry out all concrete works in accordance with BS 8004 & BS 8110 and the specification. Keep a copy of these documents available on site.
 2. Granular material is to be thoroughly consolidated in layers and if any soft spots are encountered, they are to be removed and replaced with granular material compacted in layers. Each layer is not to exceed 225mm after compaction.
 3. Strip footings to be central under load bearing walls unless noted otherwise.
 4. Formation levels of all strip footings to be min. 600mm below existing ground level.
 5. All mass concrete grade to be GEN 3 min. (Sulphates = Design class - DS-1, ACEC class AC-1 (BRE-2005).
 6. All formation levels in excavations are to be inspected by a competent person (Building Inspector / engineer) before concrete strip footings are poured.
 7. All dimensions to be checked by contractor prior to construction.
 8. Allowable ground bearing pressure of 100KNT/m² has been assumed. To be confirmed prior to fabrication.

- STEELWORK NOTES:
1. All steelwork to be grade S355, unless noted otherwise.
 2. All steelwork below ground to be encased with 75mm concrete surround or 2 coats of RIW paint.
 3. Steelwork fabricator to design and detail all connections to loads/drawings provided by the Engineer.
 4. Prior to any fabrication:
All calculations and details to be approved by the Engineer. Fabricator to produce a full set of detailed drawings for approval.
 5. Structural steelwork to be in accordance with the latest edition of the 'National structural steelwork specification for building construction' by BSCA.
 6. Coatings to structural steelwork:
Internal steelwork is classed as C2 (to BS EN ISO 12944-2) requires the following corrosion protection:-
A) Surface preparation (BS EN ISO 8501-1) - Blast clean to SA 2 1/2.
B) Post fabrication primer - 80 microns (DFT) high build epoxy zinc phosphate primer.
External steelwork is classed as C3 (to BS EN ISO 12944-2) requires the following corrosion protection:-
A) Surface preparation (BS EN ISO 8501-1) - Blast clean to SA 2 1/2.
B) Hot dip galvanise to BS EN ISO 1461 to 85 microns OR shop paint, high build epoxy zinc phosphate primer to 80 microns (DFT), plus high build recoatable epoxy M.I.O. to 120 microns.
 7. All damaged steel to be made good to Engineer's approval.
 8. Steelwork fabricator to be solely responsible for temporary work and the erection of structural steelwork.
 9. Specification for structural steelwork to be in accordance with the latest addition of the 'National structural steelwork specification for building construction' by the BSCA.
 10. Connections:
A) All welds to be 6mm continuous fillet welds.
B) All bolts for hot rolled sections to be grade 8.8.
C) Holding down bolts to be bolts to be grade 8.8.

INFORMATION

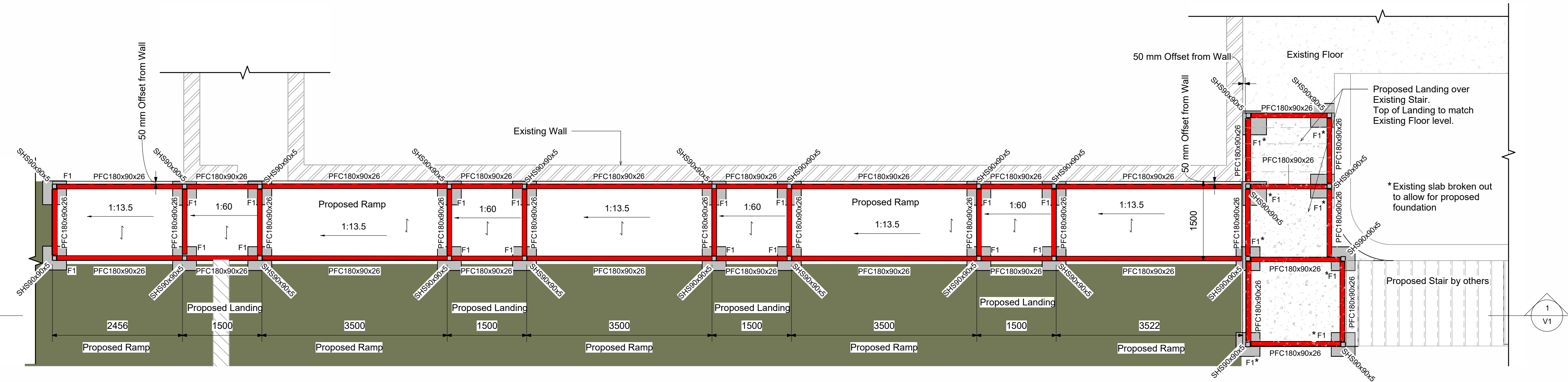


29 Bocam Park | Old Field Road | Pencoed | Bridgend | CF35 5LJ
Phone: 01656 863794 Email: Enquiries@vale-consultancy.co.uk

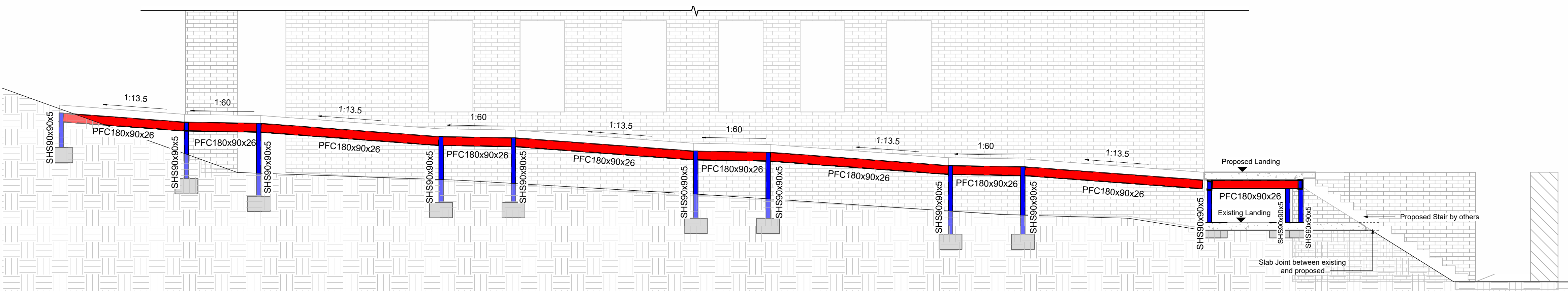
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scale @ A1	1 : 50	Project Code(Internal)
		23343-b

status	Vale Project No		rev.
Info	23343		V1



PROPOSED RAMP LAYOUT
Scale 1 : 50

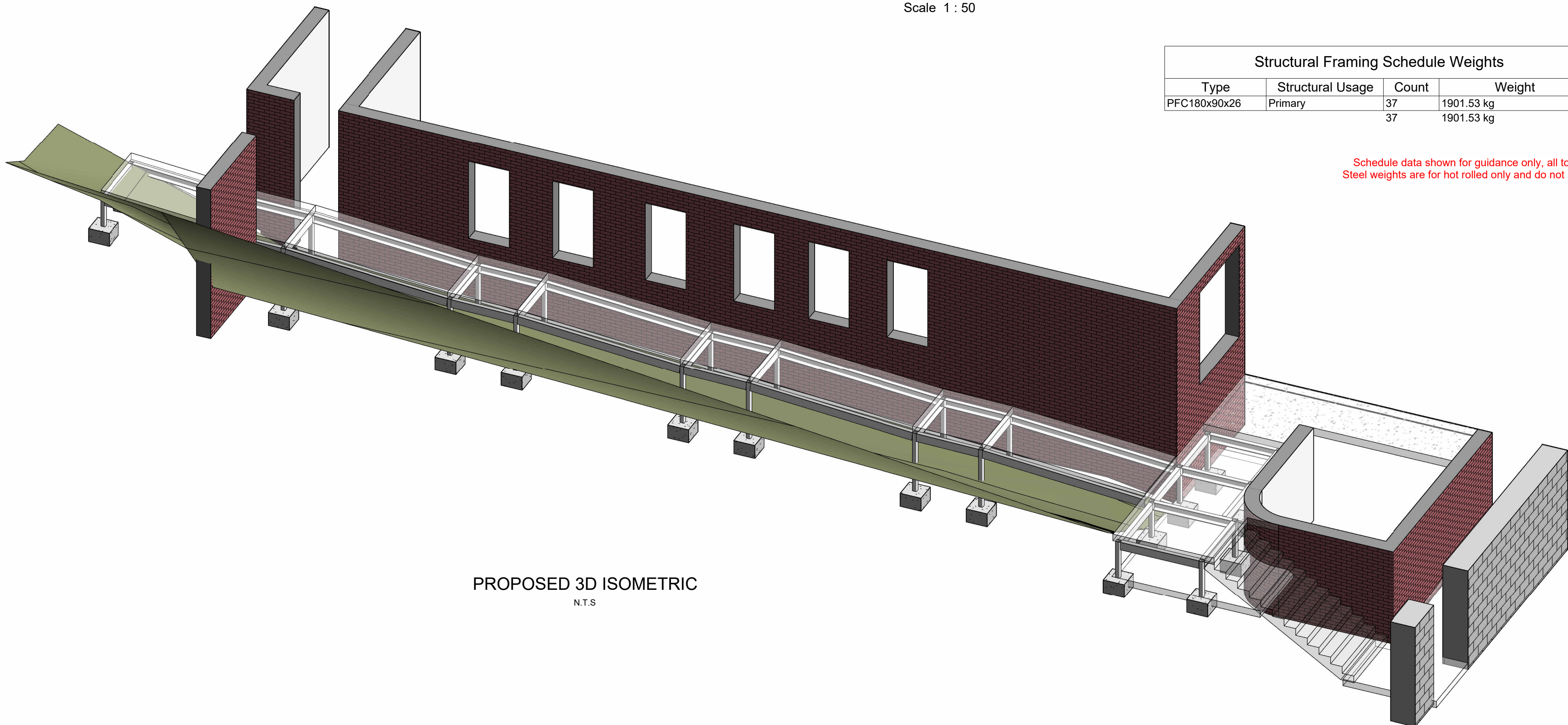


ELEVATION 1
Scale 1 : 50

Structural Framing Schedule Weights			
Type	Structural Usage	Count	Weight
PFC180x90x26	Primary	37	1901.53 kg
		37	1901.53 kg

Structural Column Schedule Weights			
Type	Base Level	Count	Weight
SHS90x90x5	Foundation	26	376.44 kg
		26	376.44 kg

Schedule data shown for guidance only, all to be checked against details, site and suppliers recommendation.
Steel weights are for hot rolled only and do not include connections. Weights calculated on a "node to node" basis.



PROPOSED 3D ISOMETRIC
N.T.S

External steelworks to be Hot dip galvanise to BS EN ISO 1461 to 85 microns OR to fabricators Specifications.

All dimensions to be confirmed on site prior to construction

Key Plan

Proposed Deck by Others

Structural Foundation Schedule

Type Mark	Size (Length x Width x Depth)
F1	450 x 450 x 300mm

All foundations Gen 3 Mass concrete

Key Plan

Structural Columns

Structural Beams

1:50
0 2.5 5 m