STEELWORK SPECIFICATIONS

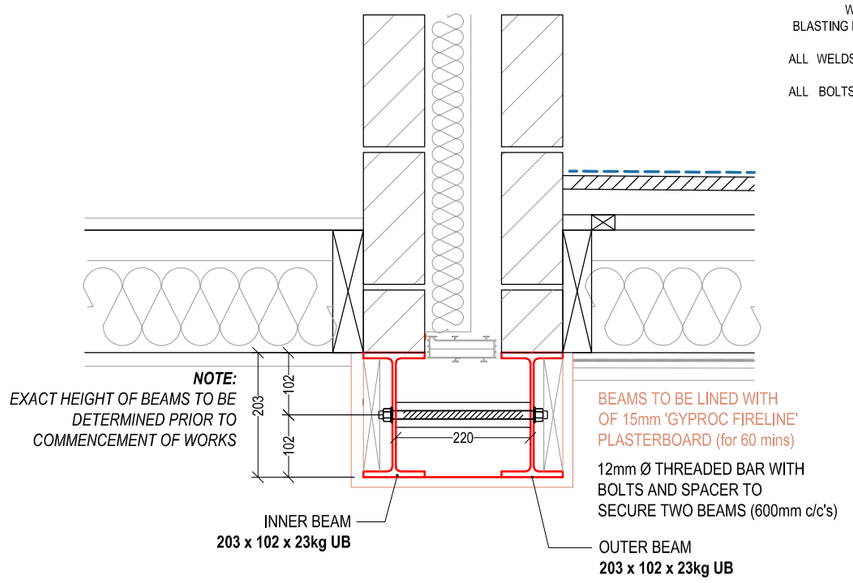
THE SPECIFICATION FOR STRUCTURAL STEELWORK SHALL BE THE 'NATIONAL STRUCTURAL STEELWORK SPECIFICATION FOR BUILDING CONSTRUCTION' 5TH EDITION PUBLISHED BY THE BRITISH CONSTRUCTION STEELWORK ASSOCIATION LIMITED.

ALL STRUCTURAL STEELWORK SHALL BE GRADE S275 (275N/mm² IN ACCORDANCE WITH BS5950, COMPLYING WITH BS 4360 1986.

ALL STEELWORK TO BE SHOT BLASTED TO SA2.5 STANDARD TO REMOVE ALL MILLSCALE, LOOSE MATERIAL, ETC.

ALL STEELWORK TO BE COATED WITH 1 COAT OF ZINC PHOSPHATE EPOXY PRIMER TO A THICKNESS OF 85µm (micrometres), EXCEPT WHERE GALVANISED OR STAINLESS.

WHERE STEELWORK SPECIFIED AS 'GALVANISED', NO SHOT BLASTING REQUIRED - STEEL GALVANISED IN ACCORDANCE WITH BS EN ISO 1461 WITH 85µm (micrometres) THICKNESS.
ALL WELDS TO BE 6mm FULL PROFILE FILLET, UNLESS NOTED OTHERWISE.
ALL BOLTS TO BE GRADE 8.8 TO BS 4190, UNLESS NOTED OTHERWISE.



SECTION THROUGH BEAMS 001
Scale 1:10

STEEL BEAMS SUPPORTED ON 140mm deep PRECAST CONCRETE PADSTONE INSTALLED WITHIN EXISTING MASONRY WALL.
- BOTH SIDES -

NOTE:
NEW BEAMS TO BE ENCASED IN 12.5mm 'GYPROC FIRE-LINE' (or similar approved) PLASTERBOARD TO ACHIEVE 60mins FIRE RESISTANCE

NOTE:
ALL BEAM LENGTHS TO BE CHECKED ON SITE PRIOR TO MANUFACTURE

BEAMs 001 TO BE BOLTED TOGETHER AT 600mm c/c's WITH 12mm THREADED BAR c/w WITH STEEL SPACERS
- SEE SECTION

PROPOSED PLAN
Scale 1:25

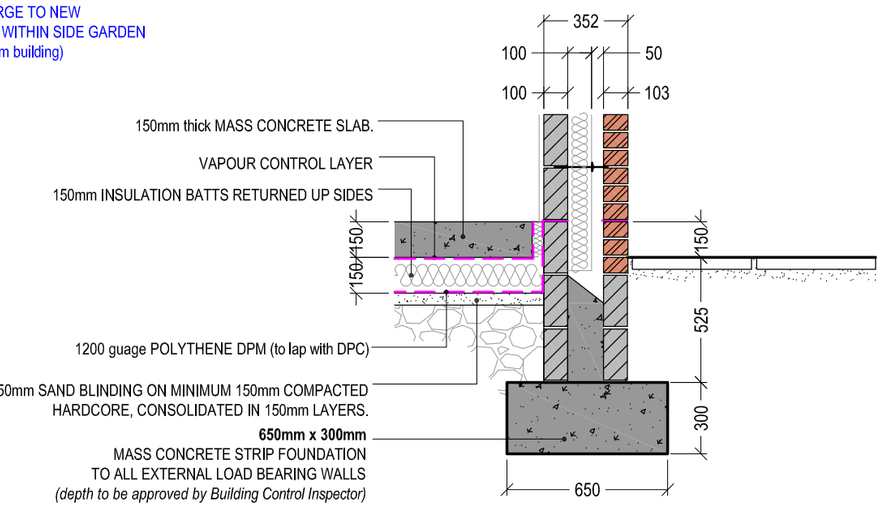
ALL DRAINS TO BE 100mm Ø OSMA OR EQUIVALENT.
DRAINS WITHIN 1000mm OF EXTERNAL WALLS AND DRAINS BENEATH CONCRETE SLAB TO BE ENCASED IN A MINIMUM OF 150mm CONCRETE.
NEW PLASTIC MANHOLES TO BE USED AND INVERT DETERMINED TO ALLOW FOR A MINIMUM FALL OF 1:40 OF DRAINAGE PIPES.
ALL DRAINAGE ABOVE AND BELOW GROUND TO COMPLY WITH APPROVED DOCUMENT H

NOTE:
DRAINAGE ROUTES SHOWN INDICATIVELY.
(Exact routes to be determined to suit site constraints)

NEW RAINWATER GULLIES TO DISCHARGE TO NEW SOAKAWAY WITHIN SIDE GARDEN (5m away from building)

EXTERNAL WALL CONSTRUCTION:
102.5mm FACING BRICKWORK OUTER SKIN (to match existing)
100mm - 7N/mm² BLOCKWORK OUTER LEAF (below ground).
50mm CLEAR AIR CAVITY.
100mm RIGID INSULATION BATTS.
100mm - 7N/mm² BLOCKWORK INNER LEAF.
WITH 3mm PLASTER SKIM FINISH.

650mm x 300mm
MASS CONCRETE STRIP FOUNDATION
(depth to be approved by Building Control Inspector)



FOUNDATION / SLAB DETAIL
Scale 1:25

Client:

Mr. L. Treharne & Miss A. Fletcher
35 Rowan Tree Close
Bryncoch
Neath
SA10 7SJ

Project Title:

PROPOSED SINGLE STOREY REAR EXTENSION

General Notes:

1. Do not scale from this drawing, take figured dimensions only.
2. Dimensions are im millimeters unless otherwise stated.

Drawing Issue:

BUILDING REGULATIONS

Drawing Title: PROPOSED PLAN & DETAILS			
Drawing No:	CPD-005	Revision:	
Date:	12-03-2024	Revised:	
Scale(s):	1:25	Paper Size:	A2

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