

GENERAL SPECIFICATIONS

ALL UNSPECIFIED LEVELS AND SETTING OUT SHALL BE AS PER THE ARCHITECTURAL DRAWINGS AND CONFIRMED BY THE CONTRACTOR.

THE CONTRACTOR IS TO DESIGN, SUPPLY, INSTALL AND MAINTAIN ALL NECESSARY TEMPORARY PROPPING TO ENSURE VERTICAL AND LATERAL STABILITY TO ALL PARTS OF THE NEW AND EXISTING STRUCTURES.

UNLESS NOTED OTHERWISE, IT HAS BEEN ASSUMED THAT THERE ARE SUITABLE FOUNDATIONS BENEATH ALL EXISTING LOAD-BEARING WALLS.

GEOTECHNICAL SPECIFICATIONS

THE ALLOWABLE GROUND BEARING PRESSURE CONSIDERED IN DESIGN IS 100KN/m^2 - THIS SHALL BE CONFIRMED OR OTHERWISE ON SITE WITH THE BUILDING CONTROL OFFICER PRIOR TO THE POURING OF ANY CONCRETE FOUNDATIONS. ALL FOUNDATIONS SHALL EXTEND A MINIMUM OF 200mm INTO THE NATURALLY-OCCURRING COMPETENT STRATA, AND UNLESS FOUNDED ON ROCK, SHALL BE FOUNDED AT LEAST 900mm BELOW THE PROPOSED EXTERNAL GROUND LEVELS.

ALL HARDCORE SHALL COMPLY WITH DEPARTMENT FOR TRANSPORT (DoT) TYPE 1 AND BE LAID AND COMPACTED IN ACCORDANCE WITH SERIES 600 OF THE SPECIFICATION FOR HIGHWAY WORKS.

THE CONTRACTOR IS REQUIRED TO IDENTIFY AND REMOVE ANY SOFT-SPOTS AND FILL WITH DoT TYPE 1 HARDCORE AS NECESSARY.

RADON & GAS PROTECTION MEASURES TO BE DETERMINED BY OTHERS.

CONCRETE SPECIFICATIONS

UNLESS NOTED OTHERWISE, ALL MASS CONCRETE SHALL BE GRADE GEN3/C20 IN ACCORDANCE WITH BS8110/BS5328.

UNLESS NOTED OTHERWISE, REINFORCED CONCRETE SHALL BE GRADE RC35 IN ACCORDANCE WITH BSEN 1992-1 / BS8500 / BSEN206-1; BE MECHANICALLY COMPACTED, AND SHOULD BE MANUFACTURED, CONSTRUCTED AND INSPECTED IN ACCORDANCE WITH "THE NATIONAL STRUCTURAL CONCRETE SPECIFICATION FOR BUILDING CONSTRUCTION".

ALL REINFORCEMENT SHALL BE HIGH YIELD STEEL (500N/mm^2) IN ACCORDANCE WITH BS8110. BENT BARS IN ACCORDANCE WITH BS8666.

THE MINIMUM LAP BETWEEN MESH REINFORCEMENT SHEETS SHALL BE 400mm IN EACH DIRECTION UNLESS NOTED OTHERWISE (U.N.O.).

MINIMUM LAP BETWEEN BARS SHALL BE MINIMUM 40 x BAR DIAMETER.

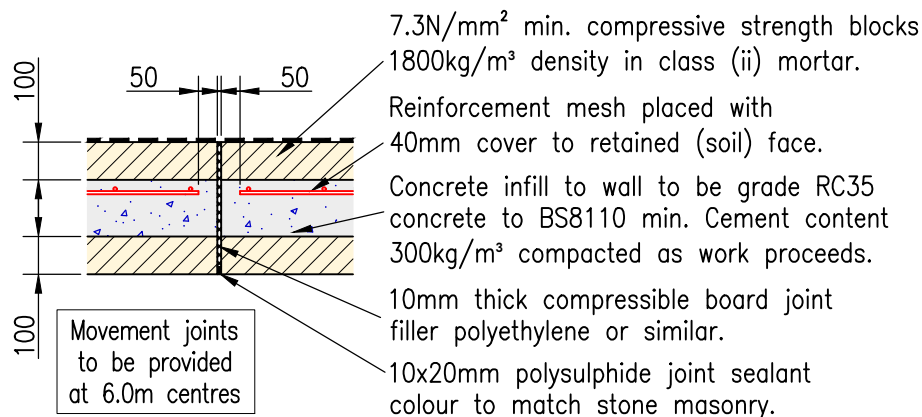
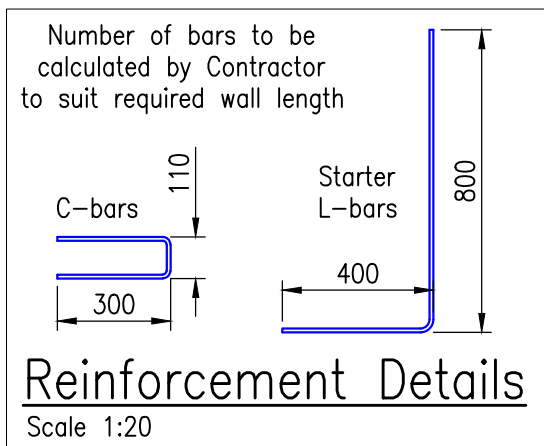
THE CONCRETE COVER TO ALL REINFORCEMENT SHALL BE 50mm WHERE CAST ON A DPM OR CONCRETE BLINDING, UNLESS OTHERWISE NOTED - THE COVER SHALL BE INCREASED TO 70mm BY PROVIDING EXTRA CONCRETE WHERE CAST AGAINST SUBSOIL OR HARDWARE FACE.

THE CONTRACTOR SHALL ALLOW FOR FORMING ALL APERTURES IN SLABS PRIOR TO CASTING CONCRETE TO ALLOW ENTRY FOR DRAINAGE AND SERVICES - SETTING OUT OF APERTURES TO BE BY ARCHITECT. ANY SERVICES PASSING THROUGH CONCRETE SHALL BE SUITABLY DUCTED OR SLEEVED. ENSURE THAT ALL FOUNDATIONS ARE FOUNDED BELOW THE INVERT LEVELS OF ANY ADJACENT DRAINS OR PIPES ETC.

FOUNDATIONS SHALL BE SITUATED CENTRALLY BENEATH WALLS UNLESS NOTED OTHERWISE. BOTTOM OF EXCAVATION MUST BE CLEAN WITH ALL GROUND WATER BEING PUMPED OUT PRIOR TO POURING CONCRETE. SIDE OF ALL TRENCHES SHALL BE ADEQUATELY PROPPED & SHORED.

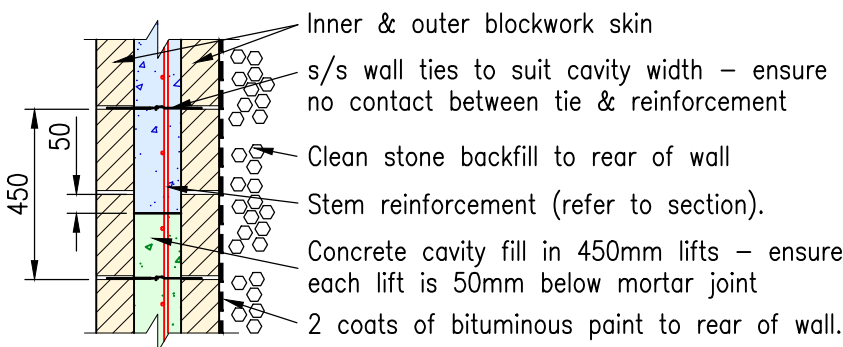
NO GROUND CONTAMINATION INFO HAS BEEN PROVIDED AND THUS NO CONCRETE PROTECTION (ACEC & DS CLASSES) HAS BEEN SPECIFIED.

A MINIMUM OF 48 HOURS NOTICE TO BE GIVEN TO BUILDING CONTROL TO ALLOW INSPECTION OF THE GROUND BEFORE POURING CONCRETE.



Reinforced Blockwork Retaining
Wall Movement Joint Plan Detail

Scale 1:20



Detail Showing Low Lift
Construction Phasing

Scale 1:20

Low-Lift Construction Specification

The concrete infill should be placed as part of the process of laying the units at maximum vertical intervals of 450mm. Any excess mortar in the cavity should be removed before infilling. The infill concrete should be placed in layers to within 50mm of the level of the last course laid and should be placed using receptacles with spouts to avoid staining and splashing of face work. It is important that the concrete infill should be compacted immediately after pouring. Care should be taken to avoid raising the walls too rapidly, causing disruption due to excessive lateral pressure from the infill concrete before the masonry has had time to gain sufficient strength. Low-lift construction wall ties shall be stainless steel two part ties by Ancon or similarly approved conforming to BS1243 positioned at 900mm horizontal centres and 450mm vertical centres.

HARDWARE FILLING AND COMPACTION SPECIFICATIONS

LAY AND COMPACT HARDWARE IN LAYERS USING SUITABLE PLANT AS IN THE TABLE BELOW. THE FIGURES GIVEN ALONGSIDE EACH TYPE OF PLANT AND FOR EACH MATERIAL GROUP ARE THE MAXIMUM DEPTH OF COMPACTED LAYER IN mm AND (IN PARENTHESES) THE MINIMUM NUMBER OF PASSES

VIBRATING PLATE COMPACTOR : STATIC LOAD
IN TONNES PER m² OF BASEPLATE

1.2-1.4	75 (6)
1.4-1.8	125 (6)
OVER 1.8	150 (5)

VIBRO-TAMPER : STATIC LOAD IN kg

50 - 75	100 (3)
OVER 75	150 (3)

SMOOTH WHEELED ROLLER : TONNES PER
m WIDTH OF ROLLER

2.1-2.7	125 (10)
2.7-5.4	125 (8)
OVER 5.4	150 (8)

VIBRATING ROLLER : STATIC LOAD IN TONNES
PER m WIDTH OF ROLLER

0.7-1.3	125 (12)
1.3-1.8	150 (8)
1.8-2.3	150 (4)
2.3-3.6	175 (4)
OVER 3.6	225 (4)

POWER RAMMER : STATIC LOAD IN kg

OVER 100	150 (6)
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ORIGINAL DRAWING SIZE: A3. WORK TO FIGURED DIMENSIONS ONLY - DO NOT SCALE.
ALL WORKS MUST BE UNDERTAKEN BY A SUITABLY COMPETENT AND EXPERIENCED CONTRACTOR.
THE CONTRACTOR IS TO CHECK ALL LEVELS AND DIMENSIONS BEFORE WORK COMMENCES,
AND ANY DISCREPANCIES MUST BE REPORTED IMMEDIATELY TO MW CONSULT LTD.
THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER MW CONSULT PROJECT DRAWINGS AND
SPECIFICATIONS AND ALL OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS RELATING TO THIS PROJECT.

CLIENT:
Mr Rob Thomas

PROJECT:
Proposed Parking Bays at
Bryn House, 5 Varteg Road,
Bryn, Port Talbot

DRAWING TITLE:
Retaining Wall Details & Specifications

Drawing Status: For Comment

DRAWN BY: MW	DESIGN BY: MW	CHECKED BY: MW	DATE: 24/09/22
SCALE: 1:20 (A3)	DRAWING No.: 22/237(05)	REVISION:	-