

**REINFORCED CONCRETE**

a. For any reinforced concrete that is part of a foundation structure these notes should be read in conjunction with the foundation notes.

b. All reinforced concrete workmanship and materials to be in accordance with the requirements of BS EN 1992, BS EN 13670 and the National Structural Concrete Specification.

c. Reinforced concrete elements in contact with the ground to receive 50mm mass concrete blinding to facilitate fixing of reinforcement unless agreed otherwise. Concrete blinding to be Designated Mix Gen 3 or a designed mix to achieve grade C16/20 in accordance with BS EN 206-1 / BS 8500-1.

d. All reinforced concrete unless noted otherwise to be Designated Mix **RC40** or a designed mix to achieve grade **C32/40** in accordance with BS EN 206-1 / BS 8500-1. Nominal maximum size of aggregate **20mm**. Concrete to be slump class **S3**.

e. Reinforcement to comply with BS4449, BS4482 or BS4483, and shall be bent in accordance with BS8666:2005. High yield reinforcement to be type 2 deformed bars.

f. Minimum lap length to all reinforcement to be 40 times the smallest bar diameter unless noted otherwise. Minimum lap to mesh reinforcement to be 400mm and mesh to have flying ends.

g. Fresh concrete to be thoroughly compacted using vibrating pokers to produce a dense homogeneous concrete.

h. For each mix designation fresh concrete to be sampled and cubes cast for testing at rate of 3no. per 18cu meter placed, min 1no. per load, min 3no. per pour, min 3no. per day. Cube sets to be tested at 7 and 28 days with one spare in accordance with BS EN 12390.

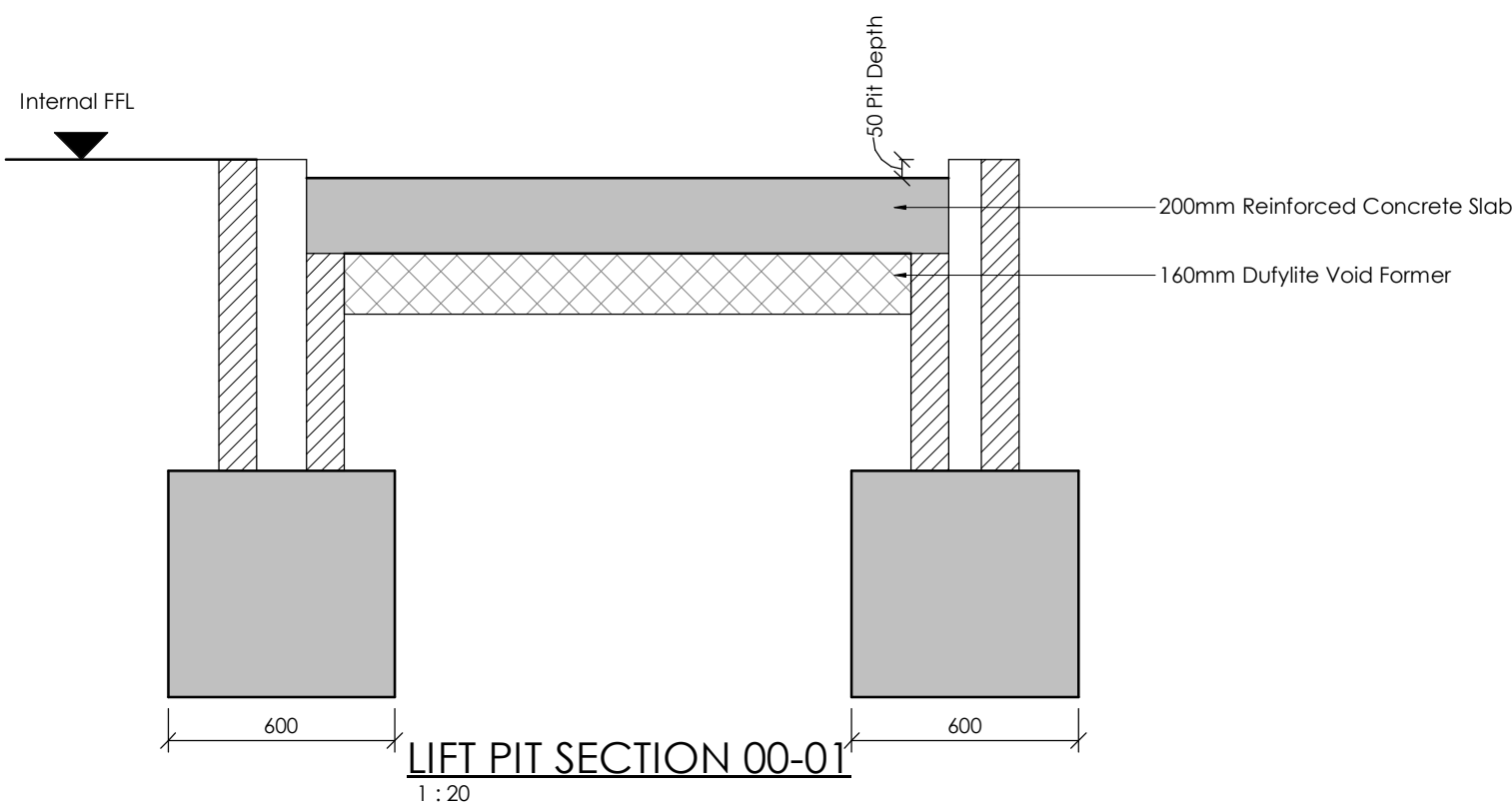
i. Exposed surfaces of all freshly cast concrete to be cured over 7 days during which time it shall not be allowed to dry nor be subject to frost. Sprayed curing agent Concure or similar to be used on surface of all slabs.

j. Cover to all faces to be maintained with the use of proprietary chairs, spacers, etc. provided by the contractor, to adequately support reinforcement during placement and casting of concrete. Pieces of wood, bricks etc. will not be permitted. All spacers are to be in accordance with BS7973.

k. Cover to foundation reinforcement to be 75mm bottom & sides if in direct contact with ground. 50mm bottom cover if against mass concrete fill or blinding. 50mm side cover if formed sides are used.

l. Surface finish to areas exposed above ground on completion to be 'Plain' to BS EN 13670 unless noted otherwise; exposed below ground or hidden above ground (tops of ground beams to be built off, walls to be plastered, slabs to be screeded) on completion to be 'Ordinary' to BS EN 13670; hidden below ground on completion to be 'Basic' to BS EN 13670.

- RC Slab Details To Be Confirmed On Receipt Of Lift Details From Supplier.
- Estimated Slab Reinforcement 135kg/m<sup>2</sup> To Be Confirmed On Construction Issue



**DESIGNERS CDM NOTES ON RESIDUAL RISKS**

THE SAFETY, HEALTH AND ENVIRONMENTAL ISSUES NOTED BELOW ARE IN ADDITION TO THE NORMAL HAZARDS AND RISKS FACED BY A COMPETENT CONTRACTOR WHEN DEALING WITH THE TYPE OF WORKS DETAILED ON THIS DRAWING.

**CONSTRUCTION HAZARDS AND RISKS**

- None relevant to this drawing

**MAINTENANCE/ CLEANING HAZARDS AND RISKS**



- None relevant to this drawing

**DEMOLITION HAZARDS AND RISKS**

- None relevant to this drawing

**GENERAL NOTES**

1. This drawing is to be read in conjunction with all relevant Architect's / Engineer's drawings, specifications and CDM documentation.
2. This drawings has been produced electronically and may have been photo reduced or enlarged when copied. Work to figured dimensions only. DO NOT SCALE. All dimensions to be checked on site. Any errors or omissions to be reported to the engineer immediately.
3. All dimensions are in millimeters and levels in meters except where shown otherwise.
4. Where proprietary products are specified these may be substituted by an equivalent product subject to approval by the Engineer. All products are to be installed strictly in accordance with the manufacturer's recommendations.
5. Before commencing construction the Contractor is to ascertain the position and depth of private and utility services and other plant or equipment on and adjacent to the site and report any conflicts with proposed works to the Engineer.
6. All work and materials not specified shall be in accordance with the NHBC Standards technical requirements and guidance (ISBN 0907257 series).
7. All construction products to have CE Marking in accordance with the relevant European Technical Standards in force at the time.
8. This drawing is copyright and shall not be copied in whole or in part without written permission of SWJ Consulting.
9. Until technical approval has been obtained from the relevant Authorities it should be understood that all drawings issued are preliminary and NOT for construction. Should the contractor start site work prior to approval been given, it is entirely at his own risk.
- 10.Should there be any discrepancies between details indicated on this drawing and those indicated on other drawings the Engineer should be informed PRIOR to construction on site.

REV		First Issue For Comment		04/09/25		MB	
REVISION		REVISION DETAILS		DATE		DRAWN BY	
CLIENT				ORIGINATOR			
 WITNEY TOWN COUNCIL				 SWJ CONSULTING			
PROJECT		TITLE					
West Witney Sports Ground Sports And Social Club		Ground Floor Lift Pit Slab					
SCALE		DRAWN		CHECKED		APPROVED	
As indicated @A1		MB		MJB		JRS	
PROJECT	ORIGINATOR	ZONE	LEVEL	TYPE	ROLE	DOC NO	
04725	SWJ	SC	XX	DR	S	10002	
JOB NO.	PURPOSE OF ISSUE				STATUS:	REVISION:	
04725	FOR COMMENT				S3	T1	