

CONCRETE SPECIFICATION

CONCRETE/USES MIX	DESIGNED MIX						BRITISH STANDARDS DESIGNATED MIXES TO B.S. 5328
	GRADE	AGG SIZE	MIN CEMENT	MAX FREE WATER/ CEMENT RATIO	SLUMP	CEMENT TYPE	
CAVITY FILL TO WALLS.	C20	20	220	—	100	OPC	GEN 1 75mm SLUMP
FOUNDATION CONCRETE & MESH REINFORCED FOUNDATIONS.	C20	20	220	0.7	100	OPC	GEN 3 75mm SLUMP
GROUND BEARING SLABS – GARAGES	C20	20	220	0.7	100	OPC	GEN 3 75mm SLUMP
GROUND BEARING SLABS – HOUSES	C20	20	220	0.7	100	OPC	GEN 2 75mm SLUMP
FULLY REINFORCED FOUNDATIONS. NOMINALLY AND FULLY REINFORCED SLABS.	C35	20	300	0.6	50	OPC	RC 35 75mm SLUMP
BACKING TO PATH EDGES	C15	20	220	-	SEMI-DRY	OPC	GEN 1 V. LOW SLUMP

NOTES

1. ALL CONCRETE, AGGREGATES, CEMENT, WATER, ADMIXTURES ETC, TO COMPLY WITH BRITISH STANDARDS AND N.H.B.C. STANDARDS – CHAPTER 21

2. CEMENT REPLACEMENT IS PERMITTED BUT MUST BE CLEARLY SHOWN IN THE QUOTATION, AND SHOULD, UNLESS OTHERWISE AGREED, BE WITHIN THE FOLLOWING CRITERIA :-

a) OPC WITH MINIMUM 70% AND MAXIMUM 90% SLAG, BY WEIGHT

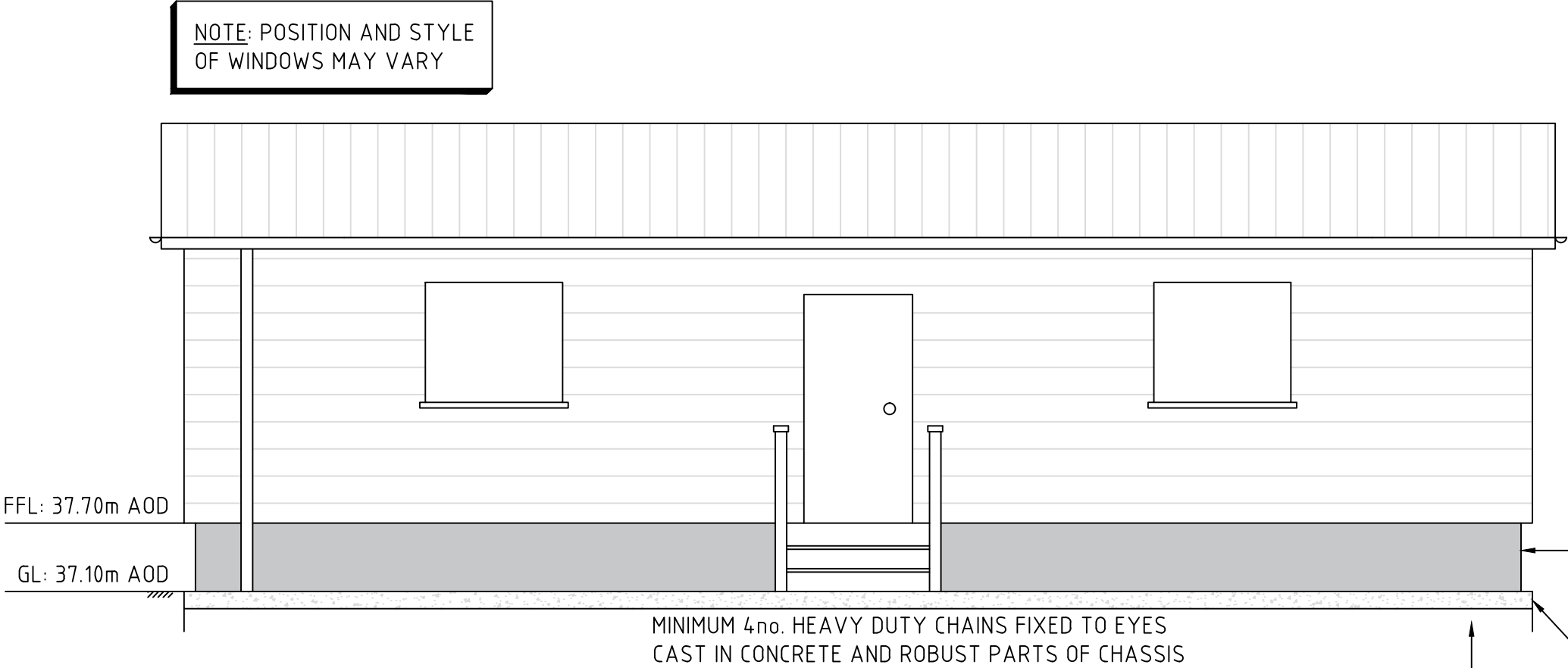
OR b) OPC WITH MINIMUM 25% AND MAXIMUM 40% PFA, BY WEIGHT

OR c) PORTLAND BLASTFURNACE CEMENT IN LIEU OF OPC

3. APPROVED ADMIXTURES ARE ALLOWED PROVIDED NOTE 1, IS COMPLIED WITH

4. NO WATER MAY BE ADDED ON SITE

5. SPECIAL MIXES MAY BE REQUIRED ON HAZARDOUS SITES. THESE WILL BE DEFINED AS NECESSARY



NOTES

1. VERIFY SCALE OF PRINT AGAINST SCALE BAR. DO NOT SCALE FOR CONSTRUCTION PURPOSES.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED. THE CONTRACTOR IS TO CHECK THAT ALL DIMENSIONS ARE IN ACCORDANCE WITH CURRENT ARCHITECT'S DRAWING BEFORE COMMENCING WORK OR ORDERING ANY MATERIALS.
3. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.
4. ANY DISCREPANCIES FOUND ON THIS DRAWING OR ANY OTHER RELEVANT INFORMATION ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER AS SOON AS THEY ARE DISCOVERED.
5. ALL CONSTRUCTION TO BE TO RELEVANT BRITISH STANDARDS, NHBC STANDARDS AND IN ACCORDANCE WITH CURRENT BUILDING REGULATIONS.
6. REINFORCED CONCRETE – LAPS TO MESH min. 400mm. LAPS TO BARS min. 40 x BAR DIAMETER. COVER TO REINFORCEMENT TO BE:
40mm TOP AND SHUTTERED FACES
75mm ELSEWHERE

C	OCTOBER 2024	CC	MINOR AMENDMENTS TO NOTES
B	17/06/24	CC	SCALE BAR ADDED
A	05/06/24	CS	MOBILE HOME SIZE AND SCALE AMENDMENTS
PRIOR ASSOCIATES Consulting Engineers 1st Floor Offices S.T.R.F.C. Julius Martin Lane Soham Ely, Cambs. CB7 5EQ Tel 01353 722330 Email: mail@prior-associates.co.uk Web Site: www.prior-associates.co.uk			
Client		MR GILES	
Project		WIND IN THE WILLOWS, ISLANDSTONE LANE, HURST	
Section		MOBILE HOME SUPPORT	
Designed	GSC	Drawn	CS
Checked	GSC	Rev	C
Date	MAY 24	Scale	1:50 @ A3
Drawing No.		16698-01	