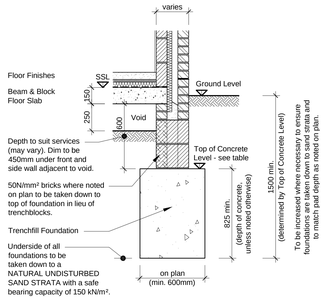
Do not scale dimensions from this drawing.

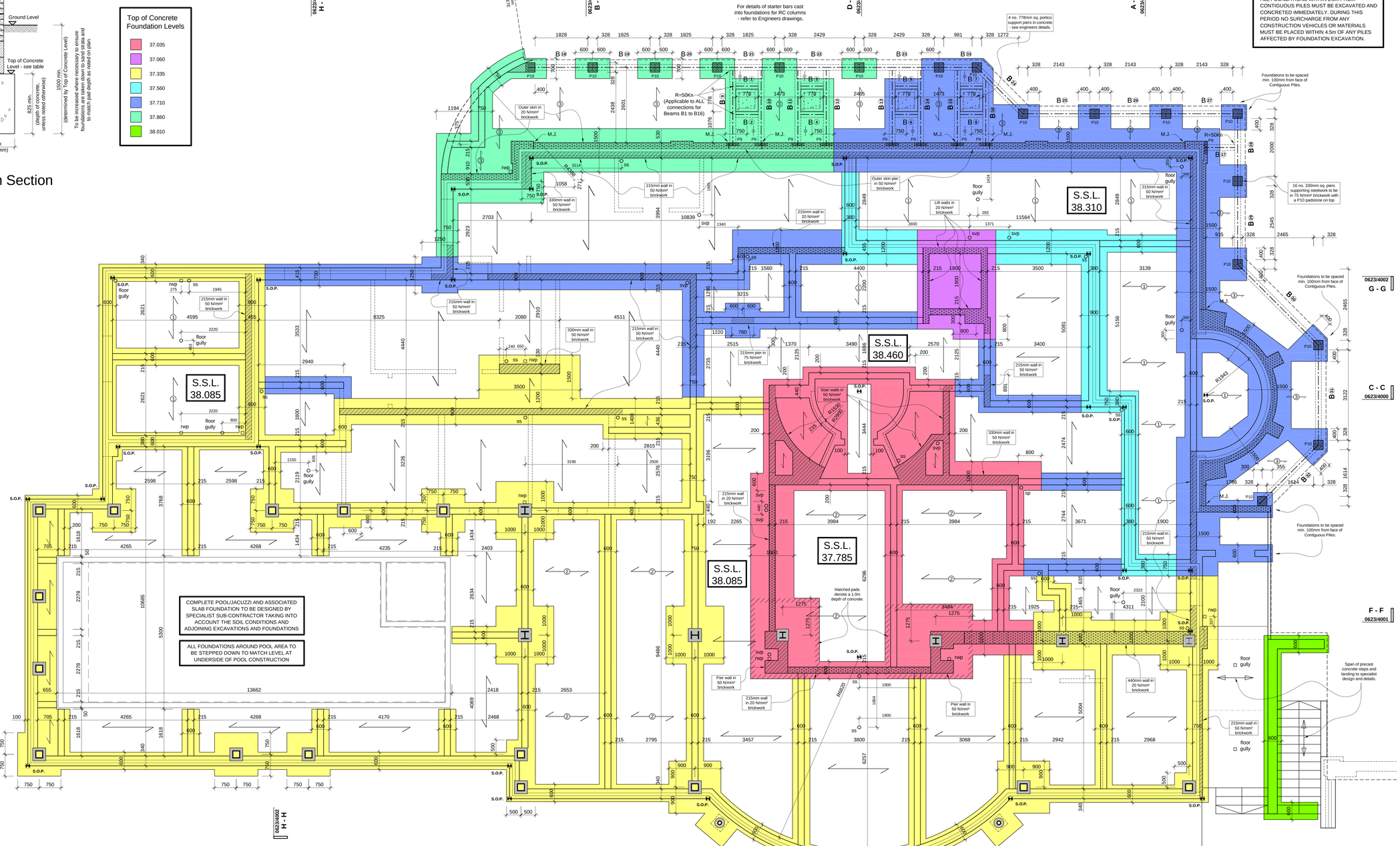


Typical Foundation Section

Scale 1:20

Top of Concrete Foundation Levels

- 37.035
- 37.060
- 37.335
- 37.560
- 37.710
- 37.860
- 38.010



House Foundation Plan

NOTE
ALL FOUNDATIONS WITHIN 2.5m FROM CONTIGUOUS PILES MUST BE EXCAVATED AND CONCRETED IMMEDIATELY. DURING THIS PERIOD NO SURCHARGE FROM ANY CONSTRUCTION VEHICLES OR MATERIALS MUST BE PLACED WITHIN 4.5m OF ANY PILES AFFECTED BY FOUNDATION EXCAVATION.

NOTE
Setting Out Co-ordinates

S.O.P. Indicates setting out points to Basement wall, for co-ordinate information of each point refer to Site Setting Out Plan drg. No. 0623/9000.

In general, setting out points indicated on this drawing & Site Setting Out Plan drg. No. 0623/9000, are located on inside face of the foundation wall.

Foundation Notes

1. All walls below ground level to be in blocks or trench blocks with a minimum strength of 7.3 N/mm² approved for use below ground by manufacturer and to comply with BS5628 unless noted / specified elsewhere on the plan.

2. Minimum width of all foundations to be 600mm unless otherwise noted on the plan.

3. All foundations are to be taken down to a natural undisturbed sand strata with a safe bearing capacity of 150 kN/m² as described in the site investigation report. Minimum depth to be 1.5m as noted on Typical Foundation Section. Foundation depths are also to be agreed with Building Inspector on site. Minimum concrete depth to be 825mm as shown on Typical Foundation Section, pads to Cinema Room are to have 1.0m depth.

4. Concrete mix for foundations to have a minimum crushing strength of 30 N/mm² at 28 days with a 20mm maximum nominal aggregate size and a minimum cement content of 275 kg/m².

5. All concrete is to be vibrated.

6. Mortar mix for walls below ground to be 1:3 (cement:sand).

7. Provide 100 wide x 65 deep pre cast prestressed concrete lintels over all service entries and drainage outlets passing through foundation walls. Maximum width of openings to be 250mm.

8. 600mm depth to top of foundation or ground beam from underside of beam and block floor allows adequate depth for all incoming services and drainage outfalls to be laid above foundation level.

9. Denotes walls and piers constructed using bricks of strength 20 N/mm² set in 1:3 (cement:sand) mortar mix.

10. Denotes walls and piers constructed using bricks of strength 50 N/mm² set in 1:3 (cement:sand) mortar mix.

11. Denotes walls and piers constructed using bricks of strength 75 N/mm² set in 1:3 (cement:sand) mortar mix.

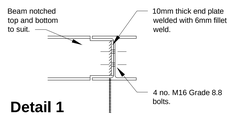
Floor Types

Denotes 150mm deep Beam & Block floor to be designed by specialist manufacturer to support unfactored Dead Load of 2.55 kN/m² and unfactored Live Load of 1.5 kN/m² in addition to self weight of floor.

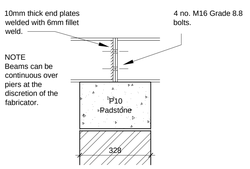
(1) Denotes 150mm deep Beam & Block floor to be designed by specialist manufacturer to support unfactored Dead Load of 2.55 kN/m² and unfactored Live Load of 7.5 kN/m² in addition to self weight of floor.

(2) Denotes 150mm deep Beam & Block floor to be designed by specialist manufacturer to support unfactored Dead Load of 2.55 kN/m² and unfactored Live Load of 5.0 kN/m² in addition to self weight of floor.

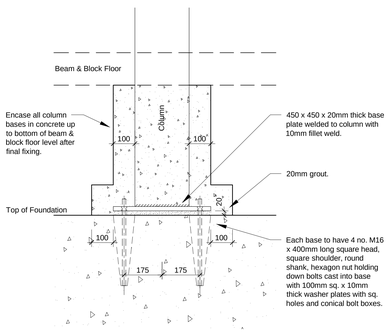
(3) Denotes 200mm deep Planks with cores reinforced with steel bars and infilled with concrete to allow planks to cantilever as shown on Piling Plan dwg. no. 0623/2010. Planks to be designed by specialist manufacturer to support unfactored Dead Load of 24.2 kN/m² and unfactored Live Load of 1.5 kN/m² in addition to self weight of floor.



Detail 1

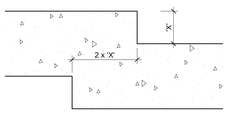


Detail 2



Base Detail To All Columns

NOTE
TOP AND BOTTOM OF ALL FOUNDATIONS ARE TO BE STEPPED AS NECESSARY TO SUIT FLOOR LEVELS IN ACCORDANCE WITH NHBC REQUIREMENTS



Typical Foundation Step Detail

Beam Schedule

REF	SIZE	COMMENTS
B 1 to B 17	203 x 203 x 46 UC	supporting external capping slab - see detail 1
B 18 to B 33	203 x 203 x 46 UC	supporting external capping slab - see detail 2

ALL BEAMS TO BE SUBJECT TO SITE SURVEY BEFORE FABRICATION
All beams are to be hot dipped galvanised after fabrication.

SEE SEPARATE DRAWING FOR GARAGE FOUNDATIONS

Revision		Date
C	Terrace rwp's re-routed, downpipes added (pool & staff areas).	13.08.13
B	Plant Room gullies revised in accordance with JSA requirements. Portico columns revised to concrete. Lift foundation level lowered by 200mm. Pool/Jacuzzi walls revised in accordance with supplier details.	17.07.13
A	Construction Issue.	24.06.13

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Project
Overbye, St Georges Hill

Title
Foundation Plan

Status
Construction

Scale	Drawn	Date
1:50	sh	Nov. '12
Job number	Drawing number	Revision
0623	2000	C

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