

- LEGEND**
- INDICATES RC COLUMN. REFER TO RC COLUMN SCHEDULE FOR SIZE
  - INDICATES STEEL COLUMN. REFER TO STEEL COLUMN SCHEDULE FOR SIZE
  - INDICATES CHARACTERISTIC COMPRESSIVE STRENGTH OF 7.5N/mm<sup>2</sup> (275N/mm<sup>2</sup>) SOLID BLOCK WALL
  - INDICATES PRECAST WALL BY OTHERS
  - INDICATES 150x150 PRESTRESSED CONCRETE LEVEL SHOWN ABOVE WITH 150mm DIA BEARING AND ADJACENT WALLS - S.W.L. MIN UNFACTORED - MAX. OPE WIDTH 100mm U.O.D.
  - INDICATES 50mm MOVEMENT JOINT IN RC SLAB
  - INDICATES SLAB DIRECTION & THICKNESS OF RC SLAB
  - INDICATES SLAB DIRECTION & THICKNESS OF RC SLAB
  - INDICATES OPENING IN SLAB
  - INDICATES RAMP / SLOPED SLAB
  - INDICATES MANHOLE
  - INDICATES STRUCTURAL SLAB LEVEL
  - INDICATES TOP OF WALL / UPSTAND LEVEL
  - INDICATES TOP OF CONCRETE LEVEL
  - INDICATES STEEL BEAM UNDER. REFER TO STEEL BEAM SCHEDULE FOR SIZE OF BEAM
  - INDICATES RC BEAM UNDER. REFER TO RC BEAM SCHEDULE FOR SIZE OF BEAM
  - INDICATES STEP IN SLAB

- GENERAL NOTES**
1. DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.
  2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS.
  3. ALL STRUCTURAL CONCRETE TO BE GRADE C40/50 WITH 10mm MAX AGGREGATE SIZE TYPE I/II IN CONTACT WITH GROUND. UNLESS NOTED OTHERWISE.
  4. COVER TO REINFORCEMENT BELOW GROUND LEVEL TO BE 75mm WITHOUT BULKING OR SHATTERING.
  5. REINFORCEMENT TO COMPLY WITH BS 8862:2005 AND TO BE FOLLOWED BY:
    - A. GRADE 800A CONFORMING TO BS 4449:2005
    - B. GRADE 800B CONFORMING TO BS 4449:2005
    - C. GRADE 800C CONFORMING TO BS 4449:2005
  6. ALL STRUCTURAL STEELWORK TO BE GRADE S275 TO BS EN 10025.
  7. THE INSTALL OF ALL WELDING CONNECTIONS SHOULD COMPLY WITH BS 5135.
  8. FULL WORKSHOP DETAILS FOR ALL STRUCTURAL STEEL ELEMENTS ARE TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL, INCLUDING DESIGN CALCULATIONS FOR CONNECTIONS.
  9. ALL BOLTED JOINT CONNECTIONS TO BE BY MEANS OF GRADE 8.8 BOLTS TO BS 3092.
  10. THE CONTRACTOR IS TO INCLUDE FOR TESTING OF WORKSHOP WELDS AND SITE WELDS IN ACCORDANCE WITH THE REQUIREMENTS OF THE SPECIFICATION.
  11. ALL BLOCKWORK TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 7.5N/mm<sup>2</sup> (275) TO BS EN 10025.
  12. GROUT WALL TIES TO BE S.S STRIP TYPE WALL TIES AT 750mm OC HORIZONTALLY AND 400mm OC VERTICALLY AT CONTROL JOINTS AND AROUND OPENINGS TO BE PROVIDED AT 250mm VERTICAL CENTRES.
  13. ALL STRUCTURAL TIMBER TO BE GRADE C16 TO IS 444 OR BETTER.
  14. ALL REINFORCEMENT TO BE INSPECTED BY ENGINEER PRIOR TO POURING OF CONCRETE.
  15. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY OR DETERMINE ALL DIMENSIONS AND LEVELS REQUIRED PRIOR TO COMMENCEMENT OF CONSTRUCTION OR PRODUCTION OF FABRICATION DRAWINGS.
  16. FOR ALL SETTING OUT, REFER TO ARCHITECT'S DETAILS.
  17. PERMISSIBLE COMPRESSIBLE FILLER BOARD IS NOT TO BE USED.
  18. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY WORKS REQUIRED IN ORDER TO CONSTRUCT THE BUILDING, WHILE MAINTAINING OVERALL STABILITY.
  19. ALL PRECAST CONCRETE ELEMENTS TO BE CONSTRUCTED IN ACCORDANCE WITH SPECIALIST SUB CONTRACTORS DETAILS AND SPECIFICATIONS.
  20. THE FORMATION FOR ALL FOUNDATIONS IS TO BE INSPECTED BY THE ENGINEER PRIOR TO THE POURING OF ANY CONCRETE. THE CONTRACTOR SHALL NOT EXCAVATE BELOW FORMATION LEVEL WITHOUT PRIOR WRITTEN INSTRUCTION FROM THE ENGINEER.
  21. ALL MATERIAL & WORKMANSHIP TO BE IN ACCORDANCE WITH ENGINEER'S SPECIFICATIONS.
  22. ALL BACKFILL MATERIAL SHALL COMPLY WITH THE PROVISIONS OF SP21 AND IS EN 12002:2002. TESTING SHALL BE CARRIED OUT BY THE CONTRACTOR AT THE SOURCE OF ANY MATERIAL PROPOSED AS FILL TO VERIFY THE MATERIAL COMPLIES WITH THE GUIDANCE GIVEN IN SP21. WRITTEN CONFIRMATION OF COMPLIANCE MUST BE PROVIDED BY THE CONTRACTOR PRIOR TO APPROVAL OF MATERIAL ON SITE.
  23. ALL BLOCKWORK / CONCRETE INTERFACES TO BE TIED USING STAINLESS STEEL WALL TIES TO BE S.S STRIP TYPE WALL TIES AT 250mm SPACING (H/1).
  24. ALL INSULATION, DPC & RADON DETAILS TO ARCHITECT'S SPECIFICATIONS.
  25. REFER TO PRECAST SUPPLIER FOR PRECAST FLOOR PROPPING REQUIREMENTS.
  26. ALL PRECAST CONCRETE UNITS TO HAVE 100mm MIN BEARING ONTO MASSMORY WALL/CONCRETE BEAMS/CONCRETE WALLS.
  27. USE JOIST HANGERS AT ALL TIMBER TO TIMBER JOINTS.
  28. BOTTOM OF TRENCHES TO BE CLEANED AND SKIMMED OFF BY ENGINEER PRIOR TO THE POURING OF ANY CONCRETE.
  29. CONCRETE TRENCH FILL UNDER FOUNDATION STRIPS TO BE C20/25.
  30. ALL FOUNDATIONS TO BE FOUND ON FIRM VIRGIN GROUND.
  31. ALL WALLS TO BE LOCATED CENTRALLY ON FOUNDATIONS (U.N.O.).
  32. ALL ROOF BRACING TO SPECIALIST TIMBER TRUSS DESIGNER'S DESIGN & SPECIFICATION.
  33. ALL WORKS CARRIED OUT MUST COMPLY WITH THE RELEVANT PARTS OF THE CURRENT BUILDING REGULATIONS AND TECHNICAL GUIDANCE DOCUMENTS ENSURING THE WORKS ARE CARRIED OUT USING PROPER MATERIALS WHICH ARE FIT FOR USE FOR THE INTENDED AND FOR THE CONDITIONS IN WHICH THEY ARE TO BE USED.
  34. ALL MATERIALS USED SHALL BE CEI MARKED IN ACCORDANCE WITH THE EU CONSTRUCTION PRODUCT REGULATIONS (CPR) (No. 305/2011). REFER TO ANNEX IV OF THE REGULATIONS FOR THE LIST OF APPLICABLE PRODUCTS. ALL MATERIALS USED SHALL BE CEI MARKED IN ACCORDANCE WITH THE EU CONSTRUCTION PRODUCT REGULATIONS (CPR) (No. 305/2011). REFER TO ANNEX IV OF THE REGULATIONS FOR THE LIST OF APPLICABLE PRODUCTS.
  35. REFER TO PILING SPECIFICATION FOR TESTING REQUIREMENTS.

**PILE CAP SCHEDULE**

REF	DEPTH	REMARKS	GRADE
PC01	12000P	1 No. Pile	C30/37
PC02	12000P	3 No. Piles	C30/37
PC04	12000P	1 No. Pile	C30/37
PC05	12000P	4 No. Piles	C30/37

**FOUNDATION SCHEDULE**

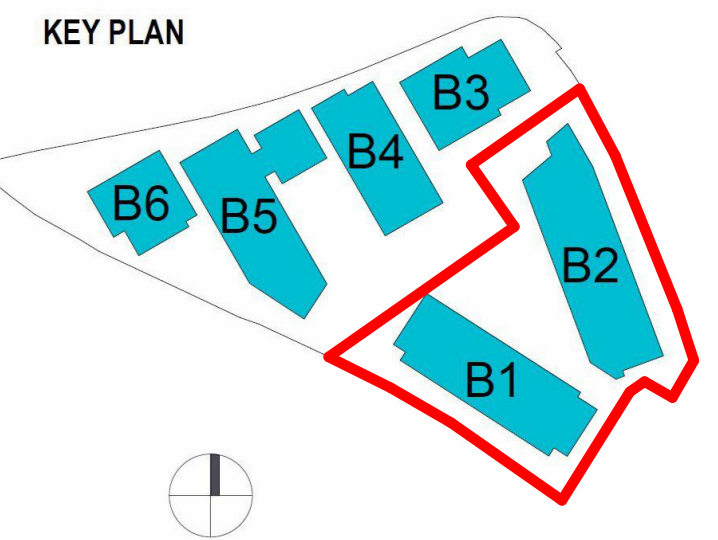
REF	REMARKS	DEPTH	GRADE
1500 X 750 STRIP	750GP		C30/37
CORE 1 PAD	750GP		C30/37
CORE 2 PAD	750GP		C30/37
CORE 3 PILED RAFT	750GP		C30/37
CORE 4 PILED RAFT	750GP		C30/37
CORE 5 PILED RAFT	750GP		C30/37
CORE 6 PILED RAFT	750GP		C30/37
CORE 7 PAD	750GP		C30/37
CORE 8 PAD	750GP		C30/37
CORE 9 PAD	750GP		C30/37
PILED RAFT 01	Plan @ 1.8m oc	750GP	C30/37
PILED RAFT 02	Plan @ 1.8m oc	750GP	C30/37
PILED RAFT 03	Plan @ 1.8m oc	750GP	C30/37
PILED RAFT 04	Plan @ 1.8m oc	750GP	C30/37
PILED RAFT 05	Plan @ 1.8m oc	750GP	C30/37

**RC COLUMN SCHEDULE**

Type	Description	Grade
C1	450x450 RC COLUMN	C40/50
C2	600x400 RC COLUMN	C50/60
C3	600x250 RC COLUMN	C50/60
C4	1200x200 RC COLUMN	C40/50
C5	650x200 RC COLUMN	C40/50
C6	450x200 RC COLUMN	C40/50
C7	1300x350 RC COLUMN	C40/50

**PAD FOUNDATION SCHEDULE**

REF	SIZE	DEPTH	GRADE
PF1	1000 X 2000	750GP	C30/37
PF2	2700 X 2700	750GP	C30/37
PF3	1000 X 3000	1000GP	C30/37
PF4	4000 X 4000	1000GP	C30/37
PF5	6000 X 4000	1000GP	C30/37
PF6	6000 X 6000	1000GP	C30/37



**B1-2 Foundation Plan**  
SCALE: 1:100

**BLAKES RESIDENTIAL**

**BLOCKS 1-2 FOUNDATIONS**

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**PRELIMINARY**

Drawn By: DB, Designed By: AB, Checked By: AB, Approved By: AB

Waterman Moylan Ref: 20-071, Date: 10.02.22, Scale of A1: As indicated

Project: Originator - Volume - Level - Type - Rate - Number

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