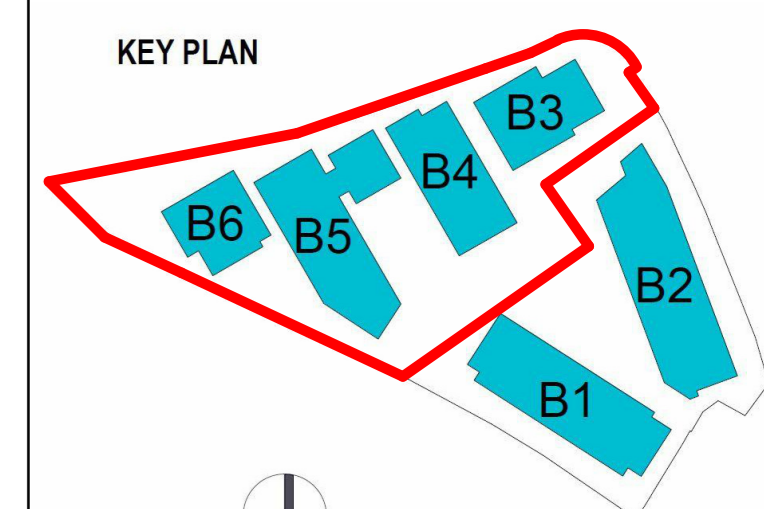


- LEGEND**
- INDICATES RC COLUMN. REFER TO RC COLUMN SCHEDULE FOR SIZE
 - INDICATES RC COLUMN UNDER. REFER TO RC COLUMN SCHEDULE FOR SIZE
 - INDICATES STEEL COLUMN. REFER TO STEEL COLUMN SCHEDULE FOR SIZE
 - INDICATES STEEL COLUMN UNDER. REFER TO STEEL COLUMN SCHEDULE FOR SIZE
 - INDICATES 250mm THK RC WALL. CONCRETE GRADE TO BE C40/50
 - INDICATES 200mm THK RC WALL. CONCRETE GRADE TO BE C30/40
 - INDICATES 200mm THK RC WALL UNDER. CONCRETE GRADE TO BE C30/40
 - INDICATES CHARACTERISTIC COMPRESSIVE STRENGTH OF 7.5N/mm² (215mm SOLID BLOCK WALL)
 - INDICATES CHARACTERISTIC COMPRESSIVE STRENGTH OF 7.5N/mm² (215mm SOLID BLOCK WALL UNDER)
 - INDICATES PRECAST WALL BY OTHERS
 - INDICATES CHARACTERISTIC COMPRESSIVE STRENGTH OF 7.5N/mm² (215mm SOLID BLOCK WALL UNDER)
 - INDICATES 15x15 PRESTRESSED CONCRETE LINTEL SHOWING ABOVE WITH 15mm END BEARING ONTO KILMACUD WALLS. S.W.L. UNFACTORED. MAX. OPE WIDTH 1500mm U.N.G.
 - 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 UPSTAIR 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 C20/25 MIN. WITH 10mm MAX. AGGREGATE SIZE 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 8666:2005 AND TO BE FOLLOWED BY:
 - A. GRADE B500 CONFORMING TO BS 4449:2005
 - B. GRADE B500 CONFORMING TO BS 4449:2005
 - C. GRADE B500 CONFORMING TO BS 4449:2005
 6. ALL STRUCTURAL STEELWORK TO BE GRADE S275 TO BS EN 10025.
 7. THE DETAILS OF ALL WELDING CONNECTIONS SHOULD COMPLY WITH BS 5936.
 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 3091.
 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/mm² (7.5) TO BS EN 12620.
 12. GROUTY 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 COMPRESSIVE 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-CONTRACTOR'S DETAILS AND SPECIFICATIONS.
 20. THE FORMATION FOR ALL FOUNDATIONS IS TO BE INSPECTED BY THE ENGINEER PRIOR TO 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 BS 12620 AND BS EN 12062:2005. TESTING SHALL BE CARRIED OUT BY THE CONTRACTOR AT THE SOURCE OF ANY MATERIAL PROPOSED AS FILL TO VERIFY THE MATERIAL COMPLES WITH THE GUIDANCE GIVEN IN BS 12620:2005. WRITTEN CONFIRMATION OF COMPLIANCE MUST BE ISSUED BY THE CONTRACTOR PRIOR TO ARRIVAL OF MATERIAL ON SITE.
 23. ALL BLOCKWORK / CONCRETE INTERFACES TO BE TIED USING STAINLESS STEEL WALL TIES AT 250mm SPACING (VERT).
 24. ALL INSULATION, DPC & RADON DETAILS TO ARCHITECT'S SPECIFICATIONS.
 25. REFER TO PRECAST SUPPLIER FOR PRECAST FLOOR PROTECTING REQUIREMENTS.
 26. ALL PRECAST CONCRETE UNITS TO HAVE 100mm MIN. BEARING ONTO MASONRY WALL/CONCRETE BEAM/CONCRETE WALLS.
 27. USE JOIST HANGERS AT ALL TIMBER TO TIMBER JOINTS.
 28. BOTTOM OF TRENCHES TO BE CLEANED AND SLOPED 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 FOUNDED ON FIRM VIRGIN GROUND.
 31. ALL WALLS TO BE LOCATED CENTRALLY ON FOUNDATIONS (U.N.O.).
 32. ALL ROOF BRACING TO SPECIALIST 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 ENDORSING THE WORKS ARE CARRIED OUT USING PROPER MATERIALS WHICH ARE FIT FOR USE AND WHICH THEY ARE 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.



FOUNDATION SCHEDULE

REF	REMARKS	DEPTH	GRADE
1500 x 750 STRIP		750P	C30/40
CORE 1 PAD		750P	C30/40
CORE 2 PAD		750P	C30/40
CORE 3 PILED RAFT		750P	C30/40
CORE 4 PILED RAFT		750P	C30/40
CORE 5 PILED RAFT		750P	C30/40
CORE 6 PAD		750P	C30/40
PILED RAFT 01	Piles @ 1.8m cc	750P	C30/40
PILED RAFT 02	Piles @ 1.8m cc	750P	C30/40
PILED RAFT 03	Piles @ 1.8m cc	750P	C30/40
PILED RAFT 04	Piles @ 1.8m cc	750P	C30/40
PILED RAFT 05	Piles @ 1.8m cc	750P	C30/40

PILE CAP SCHEDULE

REF	DEPTH	REMARKS	GRADE
PC01	1000P	2 No. Piles	C30/40
PC02	1000P	3 No. Piles	C30/40
PC03	1000P	4 No. Piles	C30/40
PC04	1000P	4 No. Piles	C30/40

PAD FOUNDATION SCHEDULE

REF	SIZE	DEPTH	GRADE
F01	2000 x 2000	750P	C30/40
F02	2750 x 2750	750P	C30/40
F03	3000 x 3000	1000P	C30/40
F04	4000 x 4000	1000P	C30/40
F05	6000 x 4000	1000P	C30/40
F06	10000 x 4000	1000P	C30/40

RC COLUMN SCHEDULE

Type	Description	Grade
C1	450x450 RC COLUMN	C40/50
C2	850x400 RC COLUMN	C30/40
C3	850x250 RC COLUMN	C30/40
C4	1200x400 RC COLUMN	C40/50
C5	550x200 RC COLUMN	C40/50
C6	450x200 RC COLUMN	C40/50
C7	1300x350 RC COLUMN	C40/50

B3-6 Foundation Plan
SCALE 1:150

Rev. Date. Description. Drawn By. Checked By.

Project: **BLAKES RESIDENTIAL**

Block 5 East Point Business Park Dublin D03 HSF4

PRELIMINARY

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

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