

GENERAL DRAWING NOTES:

- DO NOT SCALE ANY DRAWINGS. FIGURED DIMENSIONS ONLY SHALL BE USED. ANY DISCREPANCIES SHALL BE REPORTED TO PETER BRETT ASSOCIATES (PBA) FOR CLARIFICATION. IF IN DOUBT ASK.
- THE STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE STRUCTURAL SPECIFICATION AND ALL RELEVANT, ARCHITECTS, SERVICE ENGINEERS, CIVIL ENGINEERS AND SPECIALISTS DRAWINGS, SPECIFICATIONS AND BILL OF QUANTITIES.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
- ALL LEVELS ARE IN METERS UNLESS NOTED OTHERWISE.
- ALL SETTING OUT COORDINATES GIVEN IN METERS TO WORLD COORDINATES UNO.

- ALL DIMENSIONS ARE TO BE CONFIRMED ON SITE BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK ANY DEVIATIONS FOUND ARE TO BE REPORTED TO THE ENGINEER/ARCHITECT.

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NO. IN TRIANGLE DENOTES SECTION NO.
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NO. IN SEMI CIRCLE DENOTES DRAWING NO.

- THE CONTRACTOR SHALL ENSURE TEMPORARY LOADS ONTO THE NEW STRUCTURE SHALL BE LESS THAN THOSE FOR WHICH IT HAS BEEN DESIGNED. REFER TO STRUCTURAL LOADING PLANS FOR DETAILS OF DESIGN ALLOWANCES.

- THE STRUCTURE IS DESIGNED AND DETAILED FOR THE PERMANENT CONDITION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE DURING ITS TEMPORARY CONDITION AND ANY TEMPORARY WORKS REQUIRED DURING CONSTRUCTION. IF THE CONTRACTOR WISHES TO USE THE PERMANENT STRUCTURE AS TEMPORARY WORKS (EG CRANE SUPPORT) THEY MUST DEMONSTRATE WITH DRAWINGS AND CALCULATIONS THAT THIS WILL NOT AFFECT THE FUTURE PERFORMANCE OF THE PERMANENT WORKS.

- ANY INFORMATION SHOWN ON PBA DRAWINGS RELATING TO EXISTING STRUCTURE IS BASED ON LIMITED RECORD DRAWING INFORMATION UNO. IT IS THE CONTRACTORS RESPONSIBILITY TO CHECK AND CONFIRM THESE DETAILS (BY SITE SURVEY AND OPENING UP WORKS ETC.) PRIOR TO COMMENCEMENT OF ANY WORKS.

- ALL FIRE PROTECTION AND FIRE STOPPING WORKS ARE TO THE ARCHITECTS DETAILS UNLESS NOTED OTHERWISE.

- ALL NON LOAD BEARING INTERNAL PARTITIONS ARE OMITTED ON PBA DRAWINGS FOR CLARITY, REFER TO THE ARCHITECTS DRAWINGS FOR DETAILS.

- ALL WATERPROOFING, INSULATION AIR-TIGHTNESS AND DAMP PROOF MEMBRANE DETAILS ARE TO THE ARCHITECTS DETAILS (WITH THE EXCEPTION OF LIFT PIT BELOW GROUND WATERPROOFING). WHERE SUCH DETAILS ARE SHOWN ON THESE DRAWINGS THEY ARE INDICATIVE AND INTENDED TO INDICATE THE RELATION TO THE STRUCTURE ONLY. REFER TO THE ARCHITECTS DRAWINGS FOR DETAILS.

- THE FOLLOWING ELEMENTS ARE NOT PART OF THE STRUCTURAL ENGINEERING PACKAGE. THE DESIGN AND DETAIL OF THESE ELEMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND THEIR SPECIALIST SUB-CONTRACTORS/ SUPPLIERS. THESE ELEMENTS, WHERE RELEVANT, ARE TO BE DESIGNED IN ACCORDANCE WITH THE ENGINEERS SPECIFICATIONS, ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. ANY DETAILS SHOWN ON PBA DRAWINGS RELATING TO THESE ITEMS ARE INDICATIVE ONLY:

- THE DESIGN, DETAILING AND CO-ORDINATION OF ALL TEMPORARY WORKS (ALL ELEMENTS OF STRUCTURE REQUIRED TO FACILITATE THE SAFE CONSTRUCTION OF THE PROJECT WHICH DO NOT FORM PART OF THE PERMANENT WORKS).
- THE DESIGN OF PRIMARY STRUCTURE FOR TEMPORARY PLAN LOADS.
- CLADDING (INCLUDING PRECAST CLADDING PANELS, CURTAIN WALLING SYSTEMS, GLAZING, BRISE-SOLEIL, SCREENS ETC.) AND ANY ASSOCIATED SECONDARY SUPPORT STRUCTURE, RESTRAINTS AND FIXINGS REQUIRED TO TAKE SUPPORT FROM THE PRIMARY STRUCTURE.
- ALL STEEL-TO-STEEL CONNECTION DESIGN AND DETAILING.
- INTERNAL GLAZED PARTITIONS/STUD WALL PARTITIONS/ NON-LOAD-BEARING MASONRY PARTITIONS/ DOORS/ ANY SECONDARY SUPPORT STRUCTURE, RESTRAINTS AND THEIR FIXINGS BACK TO PRIMARY STRUCTURE.
- PROPRIETARY STAIRCASES AND LANDINGS (TIMBER, PRECAST CONCRETE, ETC.)
- PROPRIETARY PRECAST INFILL SLABS TO FUTURE PLATFORM LIFT VOIDS.
- MAN-SAFE SYSTEMS AND THEIR FIXINGS BACK TO PRIMARY STRUCTURE.
- LIFT INSTALLATIONS INCLUDING LIFTING BEAMS, LIFTING EYES, GUIDE RAILS, AND THEIR FIXINGS BACK TO PRIMARY STRUCTURE.
- STRUCTURAL ELEMENTS RELATING TO BESPOKE ITEMS OF FURNITURE/ ARCHITECTURAL FEATURES (FOR EXAMPLE SLIDING/FIXED BALCONY SCREENS, PRECAST WINDOW SEATS ETC.)
- SECONDARY STRUCTURAL SUPPORT AND ADDITIONAL BUILDER'S WORK ITEMS RELATED TO PLANT SUPPORT/ RISER IN-FILLS/ PLANT SUPPORT BASES/ SUSPENDED-CEILING FIXINGS/ SUSPENDED PLANT FIXINGS/ DUCTWORK FIXINGS.
- PROPRIETARY STRUCTURAL THERMAL BREAK SYSTEMS AND THERMAL BREAK PADS.
- PROPRIETARY MASONRY SUPPORT SYSTEMS.
- RC PILE DESIGN.

STANDARD ABBREVIATIONS:

- THE FOLLOWING STANDARD ABBREVIATIONS ARE USED ON THE STRUCTURAL ENGINEERS DRAWINGS:

FFL	FINISHED FLOOR LEVEL	TOS	TOP OF STEEL
SSL	STRUCTURAL SLAB LEVEL	BOS	BOTTOM OF STEEL
EL	EXISTING LEVEL	SOP	SETTING OUT POINT
RC	REINFORCED CONCRETE	SOL	SETTING OUT LINE
BWK	BRICKWORK	CL	CENTRE LINE
BLK	BLOCKWORK	CTRS	CENTRES
DPM	DAMP PROOF MEMBRANE	DIA	DIAMETER
NTS	NOT TO SCALE	HOR	HORIZONTAL
UNO	UNLESS NOTED OTHERWISE	VERT	VERTICAL
DRG	DRAWING	C/U	COLUMN UNDER
MJ	MOVEMENT JOINT	MS	MILD STEEL
THK	THICKNESS	TR	TRIMMER
MIN	MINIMUM		
MAX	MAXIMUM		
FW	FILLET WELD		
CFW	CONTINUOUS FILLET WELD		
FPFW	FULL PROFILE FILLET WELT		
BW	BUTT WELD		
FPBW	FULL PENETRATION BUTT WELD		
PPBW	PART PENETRATION BUTT WELD		
FSBW	FULL STRENGTH BUTT WELD		
U/S	UNDER SIDE		
IL	INVERT LEVEL		

CONSTRUCTION DESIGN AND MANAGEMENT NOTES:

- PETER BRETT ASSOCIATES' ROLE ON THIS PROJECT IS THAT OF 'DESIGNER' AS DEFINED BY THE CONSTRUCTION DESIGN AND MANAGEMENT REGULATIONS 2015.
- PETER BRETT ASSOCIATES HAVE AS REASONABLY PRACTICABLE CONSIDERED THEIR DESIGN FOR FORESEEABLE HAZARDS AND ASSOCIATED RISKS UNIQUE TO THIS PROJECT AS IDENTIFIED IN PBA'S RISK ASSESSMENT CONTAINED WITHIN THE HEALTH AND SAFETY PLAN.
- THE HAZARDS AND ASSOCIATED RISKS IDENTIFIED IN THE HEALTH AND SAFETY PLAN SHOULD NOT BE CONSIDERED AS THE ONLY POTENTIAL HAZARDS AND THE CONTRACTORS SHALL ASSESS THESE AND ANY OTHER HAZARDS THEY FORESEE RELATING TO THE PROJECT AND CARRY OUT THEIR OWN RISK ASSESSMENTS.
- THE CONTRACTORS NORMAL HEALTH AND SAFETY OBLIGATIONS APPLY.

PIILING NOTES:

- PIILING SHALL COMPLY WITH THE LATEST EDITION OF THE ICE SPECIFICATION FOR PILING AND EMBEDDED RETAINING WALLS (SPERWall) AND IN ACCORDANCE WITH THE PBA PILING PERFORMANCE SPECIFICATION.

- THE PILING SUB CONTRACTOR IS RESPONSIBLE FOR THE DESIGN, INSTALLATION AND TESTING OF ALL PILES TO THE SATISFACTION OF THE ENGINEER AND BUILDING CONTROL AUTHORITY. ONE LOAD TEST IS TO BE CARRIED OUT, WITH INTEGRITY TESTING CARRIED OUT ON ALL PILES.

PILE SETTING OUT:

- PILE CUT OFF LEVELS TO BE 75mm ABOVE PILECAP SOFFIT LEVEL UNO. ALL PILES TO BE CUT BACK TO THE SPECIFIED LEVEL WITH CARE BEING TAKEN TO AVOID SHATTERING OR OTHERWISE DAMAGING THE REMAINING PILE. ANY DEFECTS SHOULD BE CUT AWAY AND THE PILE MADE GOOD. ALL IN ACCORDANCE WITH THE APPROPRIATE CLAUSE OF THE ICE PILING SPECIFICATION.
- DETAILS OF PILE OUTSIDE TOLERANCES TO BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION OF THE PILE CAP.
- CENTRE TO CENTRE OF PILES TO BE NO CLOSER TO 3 TIMES THE PILE DIAMETER UNO
- PILE SETTING OUT IS THE RESPONSIBILITY OF THE PRINCIPLE CONTRACTOR

- PILE CONCRETE SPECIFICATION - TO PILING CONTRACTORS DESIGN WITH MINIMUM GRADE C35. TO CONFORM TO THE REQUIREMENTS OF BS 8500-1 (2015).

- MINIMUM AREA OF PILE REINFORCEMENT = 0.4%. ALL REINFORCEMENT TO BE HIGH TENSILE STEEL EXCEPT HELICAL BINDINGS.

- THE PILING CONTRACTOR SHALL CONFIRM THE SITE INVESTIGATION REPORT FINDINGS IN SO FAR THAT THEY SHALL SATISFY THEMSELVES THAT THE RESULTS OF THE BORINGS FROM MINIMUM 2m. OTHER PILE LOCATIONS ARE SATISFACTORY FOR THE PILE DESIGN. ANY SIGNIFICANT VARIATIONS DISCOVERED WHICH MAY EFFECT THE PILE DESIGN MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND/OR THE CONTRACT ADMINISTRATOR (CA) IMMEDIATELY.

- SHOULD AN ALTERNATIVE PILE DIAMETER BE PROPOSED BY THE MAIN OR PILING CONTRACTOR, ALL REDESIGN, DRAFTING, SCHEDULING AND APPROVAL COSTS FOR THE PILE CAPS ARE TO BE BORNE BY THE CONTRACTOR.

- THE PILING CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE LOCAL BUILDING CONTROL AUTHORITY AND THE ENGINEER TO ALL ASPECTS OF THE WORKS, INCLUDING THE DESIGN METHOD STATEMENTS, PROGRAMME, NOISE LEVELS AND EQUIPMENT USED ETC.

- PILES SHALL BE INSTALLED FROM THE PILING MAT LEVEL. THE PILING MAT WILL BE INSTALLED BY OTHERS IN ADVANCE OF THE PILING CONTRACT. THE PILING MAT LEVEL WILL BE SUBJECT TO CONFIRMATION BY THE MAIN CONTRACTOR.

- ALL PILES SHALL HAVE THE NOMINAL LOAD CAPACITY AS SPECIFIED. ACTUAL FOUNDING LEVELS SHALL BE DETERMINED BY THE PILING CONTRACTOR AND ARE TO BE REVIEWED BY THE ENGINEER IN ADVANCE OF COMMENCEMENT OF ANY WORKS.

- PILE DESIGN TO BE BS EN 1992-1-1 AND BS EN 1997-1 BY PILING CONTRACTOR, MAKING REFERENCE TO THE RELEVANT UK NATIONAL ANNEX AND NON CONTRADICTIONARY COMPLIMENTARY INFORMATION WHERE REQUIRED.

- PILE LOADS AND LOAD COMBINATIONS DERIVED TO BS EN 1990 AND BS EN 1997-1 AND THE RELEVANT UK NATIONAL ANNEX.

- ALL PILE LOADS GIVEN IN (kN) UNLESS NOTED OTHERWISE. FOR VERTICAL ACTIONS A POSITIVE LOAD DENOTES A COMPRESSIVE ACTION AND A NEGATIVE LOAD DENOTES A TENSILE ACTION UNLESS NOTED OTHERWISE.

- ALL PARTIAL FACTORS ON MATERIALS (M), ACTIONS (A) AND RESISTANCE (R) TO BE TO BS EN 1997-1 AND THE UK NA.

- THE PILING CONTRACTOR SHALL ALLOW FOR ANY BENDING MOMENTS INDUCED IN THE PILED DUE TO ECCENTRICITIES CAUSED BY PILE INSTALLATION TOLERANCES.

- THE PILING CONTRACTOR IS TO DETERMINE IN THEIR DESIGN, TO THE APPROVAL OF THE ENGINEER, THE DEPTHS AT WHICH THE HORIZONTAL SHEAR LOADS ARE RESISTED BY THE PILES.

- ADDITIONAL BENDING MOMENTS DUE TO THE DEPTH OF GROUND RESTRAINT, DETERMINED BY THE PILING CONTRACTOR, SHALL BE ALLOWED FOR IN THE PILE DESIGN.

- THE PILING CONTRACTOR SHALL ALLOW FOR OTHER LOADS WHICH AFFECT THE DESIGN OF THE PILES SUCH AS CLAY HEAVE, NEGATIVE SKIN FRICTION AND CHANGES IN GROUND WATER LEVEL ETC.

- ALL PILES SHALL BE DESIGNED TO ACCOMMODATE AN ECCENTRIC LOAD DUE TO POSSIBLE PILE OUT OF TOLERANCE. THE MINIMUM ECCENTRIC LOAD TO BE APPLIED SHALL BE CALCULATED BASED ON THE ALLOWABLE TOLERANCE GIVEN IN THE ICE SPERWall SPECIFICATION LATEST EDITION FOR THE RELEVANT PILE TYPE.

- ADVANCED PROBING FOR GROUND OBSTRUCTIONS AT PILE LOCATIONS WILL BE CARRIED OUT BY OTHERS IN ADVANCE OF THE PILING WORKS. ANY CLASHES SHALL BE REPORTED TO THE ENGINEER IN ADVANCE OF THE COMMENCEMENT OF WORKS IN ORDER TO PROVIDE AND ALTERNATIVE PILING PROPOSAL.

- PILE CAPS ARE DESIGNED AS SIMPLY SUPPORTED AND ARE NOT DESIGNED TO TRANSFER ANY MOVEMENT

- LOCATIONS OF ANY EXISTING PILED FOUNDATION, SHALLOW FOUNDATIONS, OR EXISTING GROUND OBSTRUCTIONS WHERE ACCESSIBLE. SHOULD BE SURVEYED FOLLOWING DEMOLITION AND DETAILS CONVEYED TO PBA AND THE PILING CONTRACTOR

- CONTRACTOR TO ALLOW FOR THE EFFECT OF REDUCTION OF VERTICAL LOAD CAPACITY OF PILES DUE TO GROUP EFFECT.

- THE PILING CONTRACTOR IS TO SUBMIT CALCULATIONS TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION. A MINIMUM REVIEW PERIOD OF TWO WEEKS FROM THE RECEIPT OF CALCULATIONS AND/OR DRAWINGS IS REQUIRED.

SUBSTRUCTURE AND BASEMENT NOTES:

- BLINDING DESIGNATED MIX TO BE GRADE GEN 1 - REFER TO ENGINEERS SPECIFICATION. BLINDING MINIMUM THICKNESS TO BE 50mm UNO.
- FOR DETAILS AND POSITION OF ALL CAST IN PIPEWORK SLEEVES AND HOLES REFER TO SERVICES ENGINEER AND CIVIL ENGINEERS DRAWINGS.
- FOR ALL WATERPROOFING AND DPM DETAILS REFER TO ARCHITECTS DRAWINGS AND SPECIFICATIONS WITH THE EXCEPTION OF LIFT PIT BELOW GROUND WATERPROOFING AND STRUCTURALLY INTEGRAL WATERPROOFING TO BASEMENT WALLS, DETAILS OF WHICH ARE GIVEN ON THE STRUCTURAL DRAWINGS.
- CONCRETE FINISHES TO BE IN ACCORDANCE WITH PBA SPECIFICATION.

- FOR DETAILS OF GROUND CONDITIONS REFER TO FACTUAL GROUND INVESTIGATION REPORT.

- FOR CONCRETE GRADES REFER TO DRAWING NOTES AND PBA STRUCTURAL CONCRETE SPECIFICATION.

- ALL PENETRATIONS THOUGH WALLS AND SLABS AT AND BELOW GROUND LEVEL TO BE CAST INSITU. NO BUILDERS WORK HOLES ALLOWED. WATERPROOFING TO BE TAPED AROUND PENETRATIONS TO SPECIALIST MANUFACTURERS DETAILS.

- WHERE SERVICES RWP, SVPs, SSS ARE TO BE SLEEVED THROUGH THE SUBSTRUCTURE-SLEEVE DIAMETER TO BE NO GREATER THAN 150mm DIAMETER, SERVICES SLEEVED HORIZONTALLY THROUGH GROUND BEAMS TO BE SLEEVED THROUGH CENTRE LINE AND MUCH ACHIEVE 150mm CLEAR SPACING BETWEEN SLEEVES.

- THE INTEGRITY OF ANY EXCAVATIONS ARE TO BE MAINTAINED BY THE CONTRACTOR AT ALL TIMES. CONSIDER TEMPORARY WOKS AS NECESSARY.

- ALL FOUNDATIONS TO BE SYMMETRICAL ABOUT GRID LINES UNLESS NOTED OTHERWISE.

- ALL MANHOLES TO BE OF WATERPROOF REINFORCED CONCRETE CONSTRUCTION. FOR SIZES, DETAILS AND POSITION, REFER TO RELEVANT SERVICE ENGINEERS AND CIVIL ENGINEERS DRAWINGS.

- ALL TIE WIRE AND SACRIFICIAL SHUTTER TIES ARE TO HAVE THE SAME COVER AS THE REINFORCEMENT STEEL.

- FOR MINIMUM COVER REQUIREMENTS REFER TO REINFORCED CONCRETE DRAWINGS.

REINFORCED CONCRETE NOTES:

- ALL REINFORCED CONCRETE DESIGN TO COMPLY WITH BS EN 1992, WORKMANSHIP AND EXECUTION TO COMPLY WITH BS EN 13670

- ALL CONCRETE TO COMPLY WITH THE NATIONAL STRUCTURAL CONCRETE SPECIFICATION 4th EDITION (2010) PARTS 1 AND 2 - BS EN 206-1 AND ANY RELEVANT PBA SPECIFICATIONS.

- CONCRETE FINISHES TO BE IN ACCORDANCE WITH THE ARCHITECTS/ENGINEERS SPECIFICATIONS.

- CONSTRUCTION JOINTS AND MOVEMENT JOINTS TO BE AS AGREED WITH THE ENGINEER.

- ALL REINFORCEMENT STEEL TO BE MIN B500B GRADE 500 MPa RIBBED REINFORCEMENT BARS IN ACCORDANCE WITH BS EN 4449:2005 AND BS EN 10080:2005.

- ALL REINFORCED STEEL TO BE SCHEDULED AND BENT IN ACCORDANCE WITH BS 8666:2005.

- FOR DETAILS OF CONCRETE GRADES REFER TO DRAWING NOTES.

- ALL COVER TO REINFORCEMENT TO BE AS GIVEN ON THE RC DRAWINGS.

- ALL TIE WIRE AND SACRIFICIAL SHUTTER TIES ARE TO HAVE THE SAME COVER AS THE REINFORCED STEEL.

- ALL KICKERS TO BE MINIMUM 75mm HIGH UNO.

- CONCRETE CONSISTENCE CLASS TO CONTRACTORS SPECIFICATION UNO.

- ALL SERVICE OPENING LOCATIONS ARE TO BE CROSS REFERENCED WITH ARCHITECTS AND SERVICE ENGINEERS DRAWINGS. ANY DEVIATIONS FROM POSITIONS SHOWN SHOULD BE REPORTED TO THE ENGINEER, SERVICE OPENINGS SMALLER THAN 150mm ARE TYPICALLY NOT SHOWN, SEE ARCHITECTS AND SERVICE ENGINEERS DRAWINGS FOR LOCATIONS.

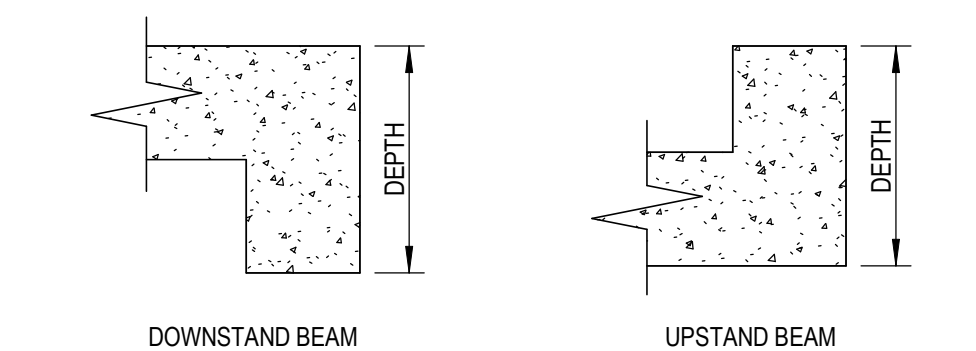
- FOR DETAILS AND POSITIONS OF ALL SERVICE CAST IN FIXINGS, INSERTS AND TIES REFER TO ARCHITECTS AND SERVICE ENGINEERS SPECIFICATIONS AND DRAWINGS.

- SERVICE CHASES TO BE MADE GOOD WITH CEMENT BASED GROUT PRIOR TO APPLICATION OF FINISHES.

- FOR DETAILS AND POSITIONS OF ALL LIFT PIT AND LIFT SHAFT BUILDERS WORK HOLES, CAST IN FIXINGS, RECESSES AND LIFTING EYES ETC. REFER TO LIFT MANUFACTURERS DRAWINGS AND SPECIFICATION.

- FOR FIXING DETAILS FOR ALL HANDRAILS AND BALUSTRADES SEE ARCHITECTS DRAWINGS.

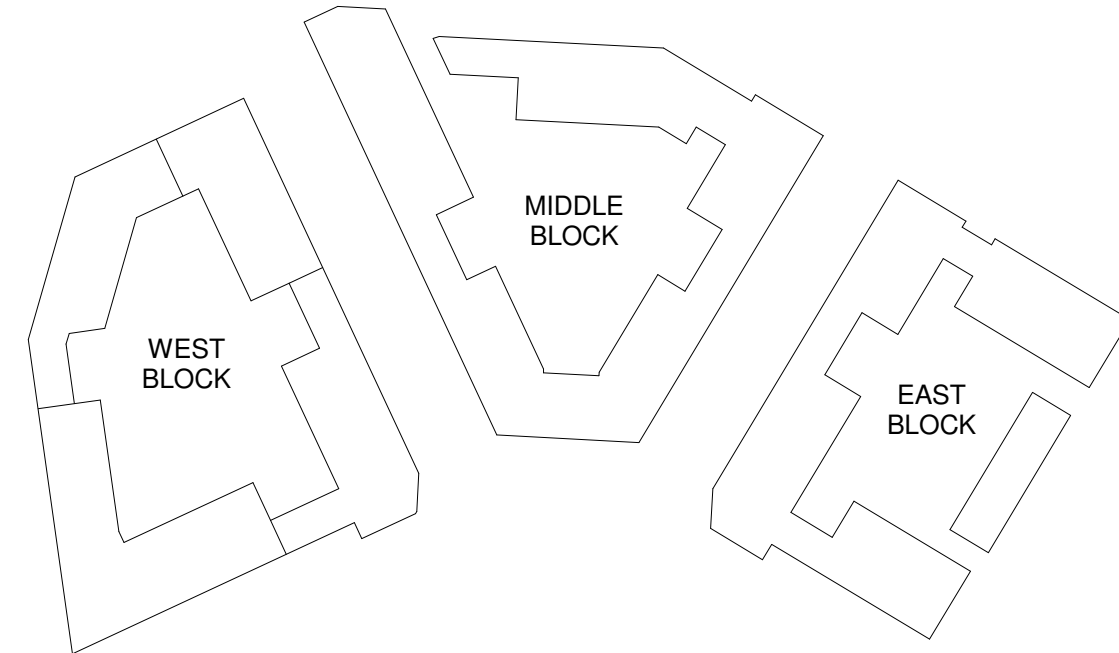
- THE BEAM DIMENSIONS SHOWN ON THE DRAWING ARE GIVEN AS 'DEPTH' X 'WIDTH'. THE DEPTH DIMENSION IS INDICATED BELOW:



CONSTRUCTION TOLERANCES

- EXECUTION CLASS OF THE STRUCTURE SHALL BE AS GIVEN IN THE STRUCTURAL SPECIFICATIONS FOR THE RELEVANT CONSTRUCTION MATERIAL.
- ALL RC CONSTRUCTION TO CONFORM TO THE TOLERANCES GIVEN IN THE NSCS AND THE SPECIFICATION, WORKMANSHIP AND EXECUTION TO BS EN 13670.
- ALL STEELWORK CONSTRUCTION TO CONFORM TO THE TOLERANCES GIVEN IN THE NSSS AND THE SPECIFICATION. STRUCTURAL STEELWORK EXECUTION TO BS EN 1090-1.

SITE KEY PLAN:



P1	FOR INFORMATION	24.01.19	OJD	DW
Mark	Revision	Date	Drawn	Chkd

SCALING NOTE: Do not scale from this drawing. If in doubt, ask.

Drawing Issue Status
PRELIMINARY ISSUE

KENAVON DRIVE, READING

GENERAL NOTES FOR PILING COSTING

Client

Berkeley

Designed for life

Date of 1st Issue	Designed DW	Drawn MEE
A1 Scale 1 : 1	Checked DW	Approved DW
Drawing Number F367-37454-SW-00-S-SK04		Revision P1



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