

GENERAL NOTES

1.

THE ENGINEERS DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND SPECIALISTS DRAWINGS, SPECIFICATIONS, REPORTS AND METHOD STATEMENTS.
2.

ANY DISCREPANCIES BETWEEN THE INFORMATION GIVEN BY THE ENGINEER AND THAT PROVIDED BY OTHERS MUST BE REFERRED TO THE ARCHITECT AND ENGINEER BEFORE WORK PROCEEDS.
3.

ALL DIMENSIONS ARE GIVEN IN MILLIMETRES AND ALL LEVELS ARE GIVEN IN METRES AOD UNLESS NOTED OTHERWISE.
4.

DIMENSIONS ARE NOT TO BE SCALED FROM THE DRAWINGS. ONLY FIGURED DIMENSIONS ARE TO BE USED. WHERE DIMENSIONS ARE SUBJECT TO CONFIRMATION BY SITE MEASUREMENT THIS SHALL BE CARRIED OUT BY THE CONTRACTOR PRIOR TO FABRICATION AND CONSTRUCTION.
5.

ALL GRIDLINES, BUILDING LINES, ETC. ARE TO BE SET OUT IN ACCORDANCE WITH THE RELEVANT ARCHITECTS DRAWINGS.
6.

COLUMNS AND FOUNDATIONS ARE TO BE SET-OUT SYMMETRICALLY ABOUT GRIDLINES OR THEIR CENTRELINES UNLESS NOTED OTHERWISE.
7.

ALL BEAMS ARE REFERENCED DEPTH x WIDTH UNLESS NOTED OTHERWISE.
8.

WHERE IT IS REQUIRED THAT INSPECTION BE MADE BY THE LOCAL AUTHORITY THIS SHALL BE ARRANGED BY THE CONTRACTOR TO SUIT THEIR PROGRAM.
9.

ALL FOUNDATIONS AND ELEMENTS OF ENCASED WORK ARE TO BE INSPECTED BY THE BUILDING INSPECTOR PRIOR TO BACKFILLING, CONCRETING OR COVERING.
10.

ABBREVIATIONS USED:

UNO: UNLESS NOTED OTHERWISE

NTS: NOT TO SCALE

CL: CENTERLINE

EGL: EXISTING GROUND LEVEL

PGL: PROPOSED GROUND LEVEL

BGL: BELOW GROUND LEVEL

FFL: FINISHED FLOOR LEVEL

SSL: STRUCTURAL SLAB LEVEL

TOS: TOP OF STEEL LEVEL

TOC: TOP OF CONC

SOP: SETTING OUT POINT

US: UPSTAND

DS: DOWNSTAND

C/C: CONCRETE CASED

WP: WIND POST

RC: REINFORCED CONCRETE

AOD: ABOVE ORDINANCE DATUM

CFA: CONTINUOUS FLIGHT AUGER (PILE)

w: WIDTH OF BEAM OR UPSTAND

g_c: UNFACTORED PERMANENT ACTION (UNIFORMLY DISTRIBUTED LOAD)

q_c: UNFACTORED VARIABLE ACTION (UNIFORMLY DISTRIBUTED LOAD)

G_c: UNFACTORED PERMANENT ACTION (POINT LOAD)

Q_c: UNFACTORED VARIABLE ACTION (POINT LOAD)

w_k: UNFACTORED WIND ACTION (UNIFORMLY DISTRIBUTED LOAD)
11.

HOLES EQUAL OR LESS THAN 150mm x 150mm OR 150mm DIAMETER THROUGH SLABS OR WALLS ARE NOT NECESSARILY SHOWN ON WSP DRAWINGS. FOR POSITIONING OF ALL SUCH HOLES REFER TO ARCHITECTS AND SPECIALISTS DRAWINGS. REINFORCEMENT IS TO BE DISPLACED SYMMETRICALLY ABOUT THESE HOLES.
12.

OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS ARE TO BE CHECKED BY THE CONTRACTOR AGAINST ALL OTHER RELEVANT CONTRACTORS DRAWINGS INCLUDING APPROVED BUILDERS WORK DRAWINGS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES MUST BE DRAWN TO THE ATTENTION OF THE ENGINEER.
13.

GENERALLY THE FOLLOWING INFORMATION WILL NOT BE SHOWN ON WSP DRAWINGS: NON-STRUCTURAL INCLUSIONS OR CAST-IN FIXINGS, E.G. COLUMN GUARDS, LOCATION AND DETAILS OF FIXINGS FOR BRICKWORK, BLOCKWORK, CLADDING, DOORS, WINDOWS ETC. (FIXINGS MAY BE SHOWN WHERE THEY ARE ESSENTIAL TO THE STRUCTURAL STABILITY), CHAMFERS, ARRISES, CHASES AND REBATES FOR DRIPS, ASPHALT TUCK-INS, ARCHITECTURAL DETAILS, ETC. CAST-IN SOCKETS, BOLTS OR STUDS FOR FIXING PIPEWORK, DUCTWORK ETC. CONCRETE KERBS, SLOPES, FLOOR DRAINS. DETAILS FOR DAMP-PROOFING AND WATERPROOFING MEMBRANES, SEALANTS. DETAILS OF FIRE PROTECTION SYSTEMS ETC. OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS. THIS INFORMATION MAY BE FOUND ON BUILDERSWORK DRAWINGS PREPARED BY THE ARCHITECT, BUILDING SERVICES ENGINEERS OR SPECIALIST SUPPLIER OR SUBCONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AND CO-ORDINATE THIS INFORMATION AND TO ENSURE THAT ALL NECESSARY PROVISIONS ARE ACCOMMODATED.
14.

NO HOLES, CHASES, CUT-OUTS OR THE LIKE MAY BE FORMED IN ANY BEAM, COLUMN, OR LOADBEARING WALL UNLESS WRITTEN PERMISSION IS OBTAINED FROM THE ENGINEER.
15.

REFER TO THE ARCHITECT FOR DETAILS OF NON-LOADBEARING WALLS AND THEIR INTERFACE WITH THE STRUCTURAL FRAME.
16.

UNLESS NOTED OTHERWISE ALL NON-LOADBEARING WALLS ARE TO BE TIED TO THE STRUCTURE. WHERE BRICKWORK OR BLOCKWORK ABUTS THE STRUCTURAL FRAME CONSTRUCTION RESTRAINT FIXINGS ARE TO BE PROVIDED AT 450 CRS VERTICALLY AND 900 CRS HORIZONTALLY. A FLEXIBLE JOINT OF 20mm IS TO BE FORMED BETWEEN THE TOP OF THE WALL AND THE STRUCTURE TO ACCOMMODATE VERTICAL MOVEMENT. THE JOINT SHALL BE FILLED WITH AN APPROVED COMPRESSIBLE MATERIAL IN ACCORDANCE WITH THE ARCHITECTS DETAILS.
17.

APPROVED DOVETAIL SLOTS ARE TO BE CAST INTO CONCRETE / CONCRETE CASED COLUMNS, SLABS AND BEAM ETC. TO ACCOMMODATE BRICKWORK AND BLOCKWORK RESTRAINT FIXINGS. REFER TO THE ARCHITECTS DETAILS.
18.

WHERE CONCRETE OR STEEL MEMBERS ARE IN CONTACT WITH THE EXTERNAL ENVIRONMENT, OR ARE WITHIN 75mm OF THE EXTERNAL SKIN OF BRICKWORK AN APPROVED WATERPROOFING / CORROSION PROTECTION IS TO BE APPLIED.
19.

REFER TO ARCHITECT FOR FIRE PROTECTION DETAILS.

FIRE RESISTANCE		FIRE RATING
AREA		
ALL ELEMENTS IN UKPN SUBSTATION DESIGNATED AREA		240 MINUTES
BASEMENT STRUCTURE		120 MINUTES
SUPERSTRUCTURE		120 MINUTES

CODES AND STANDARDS

ALL STRUCTURAL ELEMENTS ARE TO BE DESIGNED IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS AND RECOMMENDATIONS OF THE RELEVANT CODES AND STANDARDS. THE REQUIREMENTS AND RECOMMENDATIONS OF THE CODES AND STANDARDS ARE REGARDED AS MINIMUM CRITERIA AND THE DESIGN WILL UTILISE THE VALUES SPECIFIED WITHIN THE ENGINEERS DRAWINGS. SPECIFICATIONS OR DOCUMENTS WHERE THESE PROVE MORE ONEROUS. THE LATEST EDITION OF ALL REGULATIONS, CODES AND STANDARDS INCLUDING THE LATEST NATIONAL ANNEX INFORMATION ARE TO BE USED. THE CURRENT SCHEME DESIGN HAS BEEN UNDERTAKEN IN ACCORDANCE WITH THE LATEST ADDITIONS AND AMENDMENTS OF THE CODES AND STANDARDS NOTED BELOW.

BS EN 1990	BASIS OF STRUCTURAL DESIGN
BS EN 1991	ACTIONS OF STRUCTURES
BS EN 1992	DESIGN OF CONCRETE STRUCTURES
BS EN 1993	DESIGN OF STEEL STRUCTURES
BS EN 1994	DESIGN OF COMPOSITE STEEL AND CONCRETE STRUCTURES
BS EN 1996	DESIGN OF MASONRY STRUCTURES
BS EN 1997	GEOTECHNICAL DESIGN
BS EN 6472	EVALUATION OF HUMAN EXPOSURE TO VIBRATION IN BUILDINGS.
BS 8102	PROTECTION OF STRUCTURES AGAINST WATER FROM GROUND

KEY TO SYMBOLS (GENERAL)

	INDICATES COLUMN OVER (STARTING AT THIS LEVEL)
	INDICATES COLUMN UNDER (STOPPING AT THIS LEVEL)
	INDICATES POST OVER (STARTING AT THIS LEVEL)
	INDICATES POST UNDER (STOPPING AT THIS LEVEL)
	INDICATES HANGER ABOVE (STARTING AT THIS LEVEL)
	INDICATES HANGER BELOW (STOPPING AT THIS LEVEL)
	INDICATES SLIDING JOINT BELOW
	INDICATES STEP IN SLAB
	INDICATES UPSTAND
	INDICATES STEP IN SOFFIT
	INDICATES SOFT SPOTS IN SLAB FOR SERVICES
	RC SLAB ON DENSE POLYSTYRENE VOID FORMER
	SECOND STAGE MASS CONCRETE

KEY TO SYMBOLS (STEELWORK)

BEAMS CALLED UP AS FOLLOWS: SECTION SIZE <...> [...] <...>	
<...>	INDICATES NUMBER OF SHEAR STUDS
[...]	INDICATES BEAM CAMBER
MC	INDICATES MOMENT CONNECTION
ø #	INDICATES PRE-SET OF CANTILEVER BEAM
... ..	INDICATES VERTICAL BRACING IN PLAN
EP#	INDICATES EMBEDMENT PLATE. REFER TO DRAWING No. XXXXXX FOR DETAILS.
	INDICATED DIRECTION OF SPAN
	INDICATES DUCT OR PIPE PENETRATION THROUGH CENTERLINE OF BEAM WEB U.N.O. FIRST DIMENSION INDICATES DEPTH.
	INDICATES DEPTH FROM TOP OF STEEL BEAM TO CENTRE LINE OF PENETRATION. ALL PENETRATIONS LOCATED CENTRALLY BETWEEN ADJACENT STEEL BEAMS U.N.O. REFER TO DWGS. XXXXXX FOR LOCATION OF BEAM PENETRATIONS.

HEALTH AND SAFETY NOTES

1.

THE RESPONSIBILITY FOR ALL HEALTH, SAFETY AND WELFARE ISSUES RELATED TO THE WORKS LIES WITH THE CONTRACTOR.
2.

THE CONTRACTOR IS TO ADOPT BEST PRACTICE AND SHALL COMPLY WITH ALL REQUIREMENTS SET OUT IN THE CDM REGULATIONS, ANY OTHER RELEVANT THE HEALTH AND SAFETY EXECUTIVE GUIDANCE AND ALL RELEVANT CODES OF PRACTICE OR STANDARDS.
3.

THE CONTRACTOR SHALL IMPLEMENT SAFE SYSTEMS OF WORK AND MANAGEMENT PROCEDURES, IDENTIFYING HAZARDS, RISKS AND MITIGATION CONTROLS. RISK ASSESSMENTS AND METHOD STATEMENTS SHALL BE PRODUCED FOR ALL ACTIVITIES.
4.

WHERE RESIDUAL DESIGN RISKS ARE IDENTIFIED ON THE DRAWINGS THE FOLLOWING SYMBOLS ARE USED. IT SHOULD BE NOTED THAT ALL RESIDUAL RISKS ARE NOT NECESSARILY INDICATED ON THE DRAWINGS AND THE CONTRACTOR SHOULD ALSO REFER TO THE DESIGNERS RISK ASSESSMENTS.

KEY TO HEALTH & SAFETY SYMBOLS

	WARNING RISK INDICATES A RESIDUAL RISK AS A WARNING.
	COMPULSORY RISK INDICATES A RESIDUAL RISK REQUIRING A COMPULSORY ACTION.
	PROHIBITIVE RISK INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION.
	INFORMATION RISK INDICATES A RESIDUAL RISK FOR INFORMATION.

ENGINEERS REVIEW OF CONTRACTORS SHOP DRAWINGS

1.

THE PURPOSE OF THE CONSULTANTS REVIEW IS TO EXAMINE THE DETAILED DESIGNS AND A REPRESENTATIVE SAMPLE OF SHOP FABRICATION DRAWINGS IN RESPECT OF CONFORMITY WITH THE CONSULTANT'S DESIGN AND PERFORMANCE CRITERIA.
2.

FOLLOWING REVIEW DRAWINGS WILL BE RETURNED MARKED A, B OR C AS FOLLOWS:

A

-

CONFORMS TO DESIGN INTENT.

B

-

CONFORMS TO DESIGN INTENT SUBJECT TO INCORPORATION OF COMMENTS MARKED ON THE DRAWING.

C

-

REJECTED FOR REASONS MARKED ON THE DRAWING, TO BE RE-SUBMITTED.
3.

HOWEVER WE CONFIRM THAT ANY COMMENTS MADE ARE NOT TO BE CONSTRUED AS REDUCING OR ADOPTING ANY LIABILITY IN RELATION TO THESE MATTERS. SUCH LIABILITY CONTINUES TO REST FULLY WITH THE CONTRACTOR.
4.

IT SHOULD BE NOTED THAT NO DETAILED REVIEW WILL BE CARRIED OUT OF STEELWORK CONTRACTORS PIECE DRAWINGS OR THE CONCRETE CONTRACTORS REINFORCEMENT BAR BENDING SCHEDULES.

EXCAVATION & SOIL RETENTION SYSTEM

1.

THESE NOTES SHOULD BE READ IN CONJUNCTION WITH THE SPECIFICATION FOR EXCAVATION AND FILLING.
2.

THE PERIMETER OF THE EXCAVATION SHALL BE RETAINED BY A SOIL RETENTION SYSTEM OR BATTERED SLOPES. THE DESIGN, INSTALLATION, MAINTENANCE AND REMOVAL, AS REQUIRED, OF THE RETENTION SYSTEM SHALL BE THE COMPLETE AND SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE ALL MEASURES AND PRECAUTIONS NECESSARY TO MINIMISE MOVEMENT OF THE SOIL RETENTION SYSTEM AND TO PREVENT DAMAGE AND MINIMISE SETTLEMENT OF EXISTING OR NEW CONSTRUCTION INSIDE OR OUTSIDE OF THE SITE BOUNDARY. ANY DAMAGE TO NEW OR EXISTING CONSTRUCTION INSIDE OR OUTSIDE OF THE SITE BOUNDARY CAUSED BY CONSTRUCTION TECHNIQUES OR MOVEMENTS OF THE SOIL RETENTION SYSTEM IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
3.

BEFORE PROCEEDING WITH THE WORK THE CONTRACTOR SHALL OBTAIN AND REVIEW ALL AVAILABLE RECORD INFORMATION INCLUDING SITE INVESTIGATION AND GEOTECHNICAL REPORTS AND DETAILS OF EXISTING STRUCTURES, INFRASTRUCTURE AND UTILITIES. THE CONTRACTOR SHALL COORDINATE ALL ELEMENTS OF THE SOIL RETENTION SYSTEM WITH ALL ELEMENTS OF THE PERMANENT BUILDING WORK, INFRASTRUCTURE AND UTILITIES.
4.

PRIOR TO ANY EXCAVATION OR INSTALLATION OF THE SOIL RETENTION SYSTEM, THE CONTRACTOR SHALL ESTABLISH A GRID OF SURVEY POINTS AROUND THE PERIMETER OF THE AREA TO BE EXCAVATED, INCLUDING POINTS UP TO AN AGREED ZONE OF INFLUENCE LIMIT. THESE POINTS SHALL BE SURVEYED FOR VERTICAL AND HORIZONTAL MOVEMENT AT FREQUENT INTERVALS DURING EXCAVATION AND CONTINUED DURING EACH SUBSEQUENT PHASE OF THE WORK, AND SUBMITTED TO THE ENGINEER FOR INFORMATION.
5.

ALL EXCAVATIONS SHALL BE BASED ON ENGINEERED DRAWINGS PREPARED BY THE CONTRACTOR INCLUDING PLANS AND SECTIONS OF EXCAVATION SEQUENCES. THE EXCAVATION SEQUENCES SHALL BE CONTROLLED TO MATCH THE REQUIREMENTS OF THE SOIL RETENTION SYSTEM AND SHALL INCLUDE MONITORING OF WALL AND GROUND MOVEMENTS.
6.

WHERE REQUIRED THE CONTRACTOR SHALL PROVIDE POSITIVE PROTECTION (MAT/SHEET COVERINGS), FOR ALL EXCAVATION SLOPES, TO PROTECT SLOPES FROM INSTABILITY AND DETERIORATION DUE TO RAIN, WIND OR SNOW / ICE.
7.

THE CONTRACTOR SHALL PROVIDE SURFACE DRAINAGE CHANNELS AND SUMPS AND PUMP PUMPS AS NECESSARY TO PROTECT ALL EXCAVATION FROM FLOODING. FLOODING OF ANY EXCAVATION AFTER APPROVAL OF ANY SUBGRADE WILL BE CAUSE FOR COMPLETE REMOVAL OF CONCRETE BLINDING, AND THE COMPLETE RE-PREPARATION AND APPROVAL OF THE SUBGRADE.
8.

THE SITE SHALL BE DEWATERED AS REQUIRED BEFORE OR AS THE EXCAVATION PROCEEDS. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT AND MAKE PROVISION FOR THE DEWATERING SYSTEM INCLUDING, BUT NOT LIMITED TO: TRENCHES, SUMPS, DEWATERING WELLS, WELL POINTS, OBSERVATION WELLS, PUMPING SYSTEMS, DISPOSAL LOCATION, SETTLING BASINS, MAINTENANCE AND EMERGENCY BACK UP EQUIPMENT, ETC.. AT ALL TIMES, THE DEWATERING SYSTEM SHALL MAINTAIN THE WATER LEVEL AT A MINIMUM OF ONE METER BELOW THE DEEPEST FOUNDATION SUBGRADE. THE DEWATERING SYSTEM SHALL BE MAINTAINED UNTIL ALL LOWER & UPPER LEVEL GROUND FLOOR SLABS, PERIMETER WALLS AND WATERPROOFING ARE INSTALLED AND THE PERMANENT BUILDING DRAINAGE SYSTEM IS FULLY OPERATIONAL.
9.

THE CONTRACTOR SHALL REVIEW AND CONTINUOUSLY MONITOR THE EXCAVATION, DEWATERING AND SOIL RETENTION SYSTEMS, THE CONTRACTOR SHALL INSTALL AND CONTINUOUSLY SURVEY: (A) VERTICAL AND HORIZONTAL MOVEMENTS OF THE SOIL RETENTION SYSTEM; (B) BENCH MARKS ADJACENT TO AND AWAY FROM THE SITE PERIMETER FOR VERTICAL AND HORIZONTAL MOVEMENTS; AND (C) OBSERVATION WELLS FOR MONITORING WATERS LEVELS BELOW GROUND SURFACE.
10.

GROUND MOVEMENTS ARE TO BE MONITORED BY THE CONTRACTOR FOR ALL ASSETS AGREED. SEE WSP GROUND MONITORING SPECIFICATIONS FOR MORE INFORMATION.
11.

EXISTING PILES, IF ANY ARE TO BE DEMOLISHED DOWN TO 500mm BELOW THE RAFT SOFFIT LEVEL.

FOUNDATIONS

1.

FOUNDATIONS ARE TO BE SET OUT SYMMETRICALLY ABOUT COLUMN CENTRE LINES UNLESS NOTED OTHERWISE.
2.

BEFORE PROCEEDING WITH THE WORK THE CONTRACTOR SHALL OBTAIN AND REVIEW ALL AVAILABLE RECORD INFORMATION FOR THE SITE AND SHALL UNDERTAKE ADDITIONAL INVESTIGATIONS AS REQUIRED TO DETERMINE THE LOCATION OF ALL EXISTING UNDERGROUND SERVICES.
3.

FOUNDATIONS ARE TO BE CONSTRUCTED AS SOON AS POSSIBLE AFTER EXCAVATION. UNLESS NOTED OTHERWISE ALL EXCAVATED SURFACES ARE TO BE SEALED WITHIN 12 HOURS WITH A 75mm CONCRETE BLINDING.
4.

FOUNDATIONS AND GROUND BEARING SLABS SHALL BE PLACED ON UNDISTURBED, NATURAL SUBGRADE WITH A MINIMUM ALLOWABLE BEARING CAPACITY OF 200 kNm². THE FINAL BEARING LEVELS SHALL BE FIELD DETERMINED. THE SOIL SUBGRADE FOR ALL FOOTINGS AND SLABS SHALL BE INSPECTED AND APPROVED BY AN INDEPENDENT TESTING LABORATORY WHO SHALL VERIFY THE SOIL BEARING CAPACITY IMMEDIATELY PRIOR TO PLACING FOUNDATION CONCRETE OR CONCRETE BLINDING. ALL ORGANIC AND / OR OTHERWISE UNSUITABLE MATERIAL SHALL BE REMOVED FROM FOUNDATION AND SLAB SUBGRADES AND BACKFILLED WITH LEAN MIX CONCRETE.
5.

NO BLINDING, FOUNDATIONS OR SLABS SHALL BE PLACED AGAINST SUBGRADES CONTAINING FREE WATER, FROST OR ICE. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEASURES TO PREVENT ANY WATER, FROST OR ICE FROM PENETRATING THE SUBGRADE BEFORE AND AFTER PLACING OF CONCRETE AND UNTIL SUCH SUBGRADES ARE FULLY PROTECTED BY THE PERMANENT BUILDING STRUCTURE. SHOULD WATER, FROST OR ICE ENTER AN EXCAVATION AFTER SUBGRADE APPROVAL THE SUBGRADE SHALL BE RE-INSPECTED BY THE INDEPENDENT SOIL TESTING LABORATORY.
6.

ALL BLINDING SHALL BE THOROUGHLY CLEANED IMMEDIATELY PRIOR TO CONCRETE PLACEMENT.
7.

SERVICES PASSING THROUGH THE FOUNDATIONS OR SUB-STRUCTURE ARE TO BE ISOLATED AND PROTECTED. REFER TO THE SERVICES CONSULTANT FOR DETAILS.

PILE FOUNDATION NOTES

1.

THESE NOTES ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATION FOR PILING.
2.

PILING SHALL BE IN ACCORDANCE WITH THE INSTITUTION OF CIVIL ENGINEERS SPECIFICATION FOR PILING WORKS (LATEST EDITION) UNLESS NOTED OTHERWISE.
3.

PILES SHALL BE CAST-IN-PLACE CONCRETE PILES UNLESS NOTED OTHERWISE.
4.

PILES ARE TO BE DESIGNED BY A SPECIALIST CONTRACTOR FOR THE LOADS SPECIFIED ON THE DRAWINGS. THE PARAMETERS ADOPTED IN THE DESIGN MAY REQUIRE TO BE VALIDATED BY THE RESULTS OF PRELIMINARY PILE TESTING (REFER TO THE PILING SPECIFICATION FOR PILE TEST REQUIREMENTS).
5.

PILE LENGTH, REINFORCEMENT, CONCRETE GRADE AND DIAMETER SHALL BE SELECTED BY THE CONTRACTOR. THE CONTRACTOR SHALL SUBMIT CALCULATIONS FOR APPROVAL.
6.

FOR PILING TOLERANCES REFER TO SPECIFICATION.
7.

MINIMUM CENTRE TO CENTRE SPACING OF PILES SHALL BE 2.5 TIMES THE NOMINAL DIAMETER UNLESS NOTED OTHERWISE.
8.

CONCRETE SHALL BE PLACED IN ONE CONTINUOUS OPERATION . FREE FALL CONCRETE SHALL NOT BE USED.
9.

THE PILING PLATFORM IS TO BE DESIGNED BY THE CONTRACTOR TO SUIT PLANT REQUIREMENTS.
10.

'AS-BUILT' PILE COORDINATES ARE TO BE PROVIDED BY THE PILE CONTRACTOR A MINIMUM OF 2 WEEKS IN ADVANCE OF FOUNDATION CONSTRUCTION.

BASEMENT WATERPROOFING

1.

THE ASSIGNED CONTRACTOR IS RESPONSIBLE FOR THE DETAILED SPECIFICATION, DRAWING DOCUMENTATION, FABRICATION AND INSTALLATION OF ALL BELOW-GROUND WATERPROOFING WORKS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
2.

THE CONTRACTOR IS TO PROVIDE WATER-RESISTING BASEMENT IN ACCORDANCE WITH BS 8102 AND NHBC RECOMMENDATIONS e.g. CHAPTER 5.4 (LATEST EDITION), FOR THE REQUIRED BASEMENT GRADE.
3.

THE WATERPROOFING SYSTEM USED IS TO BE COMPATIBLE WITH THE ARCHITECTS ABOVE GROUND WATERPROOFING DETAILS.
4.

THE CONTRACTOR IS TO SUBMIT FULL DETAILS FOR REVIEW PRIOR TO CONSTRUCTION.
5.

THE WATERPROOFING SYSTEM IS TO BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS BY AN APPROVED SUB-CONTRACTOR.
6.


THE CONTRACTOR IS TO OBTAIN ON THE BEHALF OF THE CLIENT A WARRANTY FOR THE WATERPROOFING SYSTEM.
7.

AREAS DENOTED GRADE 3 ON HOARE LEA DRAWING SKT19-0209592-07-BE-20191122: Basement Waterproofing ARE TO BE PROVIDED WITH A WATERPROOFING MEMBRANE BELOW THE RAFT AND BETWEEN THE CONTIGUOUS PILES AND THE INNER WALL. THE MEMBRANE IS TO BE COMPATIBLE WITH THE CHOSEN WATERPROOFING SYSTEM.

DO NOT SCALE

NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, SERVICES AND ENGINEERS DRAWINGS TOGETHER WITH RELEVANT SPECIFICATIONS.

T1	17/02/2020	JK	ISSUED FOR TENDER		KW	RG
REV	DATE	BY	DESCRIPTION			
DRAWING STATUS:						
D2 - ISSUED FOR TENDER						
						
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CLIENT:						
BRILL PLACE LIMITED						
ARCHITECT:						
Stiff + Trevillion Architects Ltd						
PROJECT:						
BRILL PLACE						
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GENERAL NOTES SHEET 1						
SCALE @ A1:		CHECKED:		APPROVED:		
NTS		RG		RG		
PROJECT NUMBER:		DESIGNED:		DRAWN:		DATE:
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