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TEMPORARY WORKS

CONSTRUCTION NOTES

1.

THE STRUCTURE HAS BEEN DESIGNED FOR THE ARRANGEMENT AND LOADING ACHIEVED IN THE FINAL CONDITION. THE CONTRACTOR IS RESPONSIBLE FOR THE CHOICE OF FINAL CONSTRUCTION SEQUENCE AND ANY TEMPORARY WORKS THAT MAY BE REQUIRED.
2.

SHOULD THE PROPOSED CONSTRUCTION SEQUENCE ALTER THE LOAD PATHS OR STRESSES IN THE STRUCTURE IN THE TEMPORARY CONDITION THE CONTRACTOR SHALL BE RESPONSIBLE FOR VALIDATING THE DESIGN. NO BACK PROPPING OF THE STRUCTURE WILL BE PERMITTED WITHOUT THE ENGINEERS APPROVAL.
3.

IT IS ASSUMED THAT THE CONSTRUCTION WILL PROGRESS IN A BOTTOM UP SEQUENCE WITH THE SUBSTRUCTURE COMPLETED BEFORE COMMENCING WITH THE SUPERSTRUCTURE.
4.

THE STRUCTURAL DESIGN ASSUMES THAT ALL NECESSARY STABILITY ELEMENTS ARE CONSTRUCTED IN ADVANCE OF THE FLOOR STRUCTURE AT EACH LEVEL.
5.

THE STABILITY CORES ARE TO BE CONSTRUCTED IN ADVANCE OF THE FLOOR FRAMING.
6.

ANY BRACING INDICATED ON THE ENGINEERS DRAWINGS HAS BEEN DESIGNED AS PART OF THE PERMANENT STRUCTURAL STABILITY SYSTEM AND HAS NOT BEEN DESIGNED TO PROVIDE RESTRAINT OR SUPPORT TO WALLS, CEILINGS OR SERVICES.
7.

ROOF BRACING HAS NOT BEEN DESIGNED TO SUPPORT CEILING OR SERVICE LOADS.
8.

UNLESS NOTED OTHERWISE ALL BEAMS AND SLABS HAVE BEEN DESIGNED AS UN-PROPPED.
9.

WALLS AND COLUMNS ARE DESIGNED TO SPAN BETWEEN FLOOR SLABS. THE CONTRACTOR IS TO ASSESS THEIR STABILITY DURING CONSTRUCTION AND PROVIDE TEMPORARY PROPPING AS REQUIRED.
10.

UNLESS NOTED OTHERWISE DO NOT BACKFILL AGAINST BASEMENT WALLS UNTIL THE RETAINING WALL CONCRETE HAS ATTAINED FULL DESIGN STRENGTH. DO NOT REMOVE TEMPORARY PROPS UNTIL THE PROPPING CONCRETE FLOORS HAVE ATTAINED FULL DESIGN STRENGTH.
11.

NO SPECIAL ALLOWANCE HAS BEEN MADE IN THE DESIGN OF THE STRUCTURE FOR CRANE OR CONSTRUCTION PLANT LOADING. REFERENCE SHOULD BE MADE TO THE LOADING PLANS FOR THE DESIGN LOADS. SHOULD THE CONTRACTOR PROPOSE TO USE THE PERMANENT STRUCTURE TO SUPPORT OR RESTRAIN CRANES, HOISTS OR OTHER PLANT THE CONTRACTOR SHALL BE RESPONSIBLE FOR VALIDATING THE DESIGN IN THE TEMPORARY CONDITION.

PROPPING OF FLOOR SLABS

1.

BASED ON THE RECOMMENDATIONS IN BS5975, AT LEAST TWO LEVELS OF BACK PROPPING IS REQUIRED FOR THE TYPICAL FLOOR SLABS IN THE TEMPORARY CONDITION.
2.

THE FORMWORK SUPPORTING SLAB MUST REACH FULL STRENGTH BEFORE POURING THE SLABS ABOVE.

LIGHTNING PROTECTION

1.

THE PILES AND MAIN COLUMN REINFORCEMENT OR STRUCTURAL STEEL COLUMNS WILL BE USED AS PART OF THE DOWN CONDUCTOR IN THE LIGHTNING PROTECTION SYSTEM. TESTING POINTS WILL NEED TO BE CAST INTO THE STRUCTURE AT APPROPRIATE LOCATIONS.
2.

WHERE REINFORCED CONCRETE COLUMNS ARE DESIGNATED AS LIGHTNING PROTECTION COLUMNS THE REINFORCEMENT MUST BE CONTINUOUS TO EARTH. REFER TO THE SERVICE ENGINEERS DRAWINGS FOR LOCATION AND DETAILS.
3.

FOR DETAILS AND LOCATION OF EARTHING PITS REFER TO RELEVANT SERVICE ENGINEERS DRAWINGS.
4.

THE CONTRACTOR SHALL ENSURE THAT THE FOLLOWING MEASURES ARE CARRIED OUT:

• CONTINUITY SHALL BE ENSURED FOR BOTH VERTICAL LAPS IN MAIN REINFORCEMENT AND BETWEEN LINKS AND MAIN REINFORCEMENT.

• CONTINUITY SHALL BE ENSURED BETWEEN COLUMN REINFORCEMENT AND BETWEEN STEEL COLUMN BASEPLATES USING SCREW CLAMPS AND TAPES.

• GOOD CONTACT BETWEEN REINFORCING BARS SHOULD BE ENSURED. SCREW CLAMPS ARE TO BE USED TO ENSURE CONTINUITY. WELDING OF REINFORCEMENT IS NOT PERMITTED. TYING WIRE IS ONLY PERMITTED FOR FIXING BETWEEN LINKS AND MAIN REINFORCEMENT.

CONCRETE

CONCRETE NOTES

1.

ALL CAST-IN-SITU CONCRETE SHALL BE IN ACCORDANCE WITH BS EN 1992 AND BS EN 13670 AND HAVE MINIMUM STRENGTH CLASS AS SHOWN IN THE STRUCTURAL CONCRETE SCHEDULE
2.

FOR ALL NON-STRUCTURAL CONCRETE REFER TO THE ARCHITECTS DETAILS.
3.

NO CALCIUM CHLORIDE, OR ADMIXTURES CONTAINING CALCIUM CHLORIDE, SHALL BE USED IN ANY CONCRETE. ALL ADMIXTURE DETAILS ARE TO BE SUBMITTED FOR APPROVAL.
4.

ALL REINFORCING STEEL BARS SHALL CONFORM TO BS EN 10080. ALL COUPLERS WILL BE OF A TYPE APPROVED BY ENGINEER.
5.

ALL WELDED STEEL WIRE FABRIC SHALL CONFORM TO BS EN 10080. WELDED FABRIC IN SLABS SUBJECT TO DE-ICING SALTS SHALL BE GALVANIZED.
6.

ALL CONCRETE REINFORCEMENT SHALL BE FABRICATED, LABELLED, SUPPORTED, SPACED IN FORMS, AND SECURED IN PLACE IN ACCORDANCE WITH THE PROCEDURES AND REQUIREMENTS OUTLINED IN THE LATEST EDITION OF BS EN 1992-1-1 'DESIGN OF CONCRETE STRUCTURES' AND BS 8666.
7.

ALL REINFORCING SPLICES SHALL BE STAGGERED BY AT LEAST A LAP LENGTH AND SHALL CONFORM TO THE REQUIREMENTS OF BS EN 1992-1-1 BUT IN NO CASE SHALL BE LESS THAN 36 BAR DIAMETERS UNLESS NOTED OTHERWISE.
8.

ALL WELDED STEEL FABRIC SHALL BE LAPPED TWO (2) FULL MESH PANELS AND TIED SECURELY.
9.

WHERE REQUIRED, DOWELS SHALL MATCH THE SIZE, TYPE AND NUMBER OF THE MAIN REINFORCEMENT.
10.

ALL WALLS AND STRUCTURAL SLABS SHALL BE REINFORCED WITH AT LEAST B12 BARS SPACED AT 300mm EACH WAY. EACH FACE. UNLESS NOTED OTHERWISE. ALL SLABS-ON-GRADE SHALL BE REINFORCED WITH AT LEAST B16 BARS SPACED AT 200mm EACH WAY, EACH FACE. UNLESS NOTED OTHERWISE. CONCRETE FILL ABOVE THE STRUCTURAL SLAB SHALL BE REINFORCED WITH WELDED MESH: MIN AREA OF REINFORCEMENT EQUIVALENT TO 0.13% OF THE CROSS SECTIONAL AREA OF THE FILL.
11.

ADDITIONAL BARS SHALL BE PROVIDED AROUND ALL FLOOR AND WALL OPENINGS. REFER TO THE TYPICAL DETAILS AND REINFORCEMENT REQUIREMENT DRAWINGS.
12.

REINFORCEMENT CHAIRS HAVE NOT BEEN DETAILED ON DRAWINGS OR SCHEDULES. THE CONTRACTOR IS TO MAKE APPROPRIATE ALLOWANCE FOR PROVISION OF CHAIRS.
13.

THE CONTRACTOR SHALL CO-ORDINATE PLACEMENT OF ALL CAST IN ELEMENTS AND EMBEDMENTS IN THE STRUCTURE REQUIRED INCLUDING BUT NOT LIMITED TO CLADDING FIXINGS, SHELF ANGLES, WALL RESTRAINT TIES, SERVICES SUPPORT HANGERS, FIXINGS FOR ARCHITECTURAL METALWORK, COLUMN GUARDS ETC... REFER TO THE RELEVANT SERVICE ENGINEER'S, ARCHITECT'S OR SPECIALIST SUBCONTRACTOR'S DRAWINGS FOR DETAILS.
14.

FORMWORK TO SUSPENDED BEAMS AND SLABS SHALL BE CONSTRUCTED SO THAT UPWARD CAMBERS EXIST IMMEDIATELY BEFORE STRIKING IN ACCORDANCE WITH THE SPECIFICATION.
15.

ALL EXPOSED COLUMNS AND WALLS TO HAVE 25mm CHAMFER TO CORNERS UNLESS NOTED OTHERWISE.
16.

PROVIDE AN APPROVED CURING COMPOUND, SEALER AND HARDENER FOR THE TOP SURFACE OF ALL SLAB WORK, AS PER SPECIFICATION E41 'WORKED FINISHES TO IN-SITU CONCRETE'. DETAILS TO BE SUBMITTED FOR REVIEW.
17.

THE CONTRACTOR SHALL PROVIDE A SITE 'MOCK-UP' OF EACH INSITU CONCRETE FINISH SPECIFIED FOR APPROVAL BY THE EMPLOYER PRIOR TO COMMENCEMENT OF CONCRETE WORK. THIS APPLIES FOR EXPOSED CONCRETE SURFACES ONLY.

18.

CONCRETE TO BE POURED ONTO METAL DECKING SHALL, UNLESS NOTED OTHERWISE, BE CONSTRUCTED TO THE THICKNESS INDICATED ON THE STRUCTURAL DRAWINGS, AND SHALL FOLLOW THE PROFILE OF THE SUPPORTING STRUCTURE.
19.

THE CONTRACTOR SHALL CARRY OUT AND SUBMIT SURVEYS OF ALL FINISHED REINFORCED CONCRETE AND METAL DECK CONCRETE SLAB SURFACES, BOTH BEFORE AND AFTER REMOVAL OF FORMWORK AND SHORING SYSTEMS.
20.

NO CUTTING OR REMOVAL OF PLACED CONCRETE IS PERMITTED WITHOUT AGREEMENT OF THE ENGINEER.
21.

WHERE IT IS NECESSARY TO DRILL INTO CONCRETE ELEMENTS FOR FIXINGS, THE CONTRACTOR SHALL PROPOSE A METHOD FOR ACCEPTANCE BY THE ENGINEER. HAMMER DRILLS MAY BE USED; DIAMOND DRILLS WILL NOT BE ACCEPTABLE. THE CONTRACTOR SHALL LOCATE ALL REINFORCEMENT AND PRESTRESSING TENDONS USING A COVER METER. HOLES SHALL AVOID ALL REINFORCEMENT AND SHALL NOT BE POSITIONED WITHIN 100mm OF ANY TENDON.
22.

MISPLACED HOLES FOR DRILLED FIXINGS IN VISUAL GRADE CONCRETE SHALL BE THOROUGHLY CLEANED AND FILLED WITH RONAFAK MODIFIED MORTAR OR SIMILAR TO WITHIN 2mm OF THE SURFACE OF THE CONCRETE. BEFORE HARDENING OF THE MORTAR HAS TAKEN PLACE, THE REMAINDER OF THE HOLE SHALL BE FILLED WITH A SANDCEMENT PASTE, COLOUR MATCHED TO ELEMENT BEING REPAIRED. AFTER INITIAL SET HAS TAKEN PLACE, THE REPAIR SHALL BE TROWELLED SMOOTH. ALL OTHER HOLES CAN BE REPAIRED COMPLETELY WITH RONAFAK MODIFIED MORTAR OR SIMILAR. ALL FILLING AND REPAIRS ARE TO BE APPROVED BY THE ARCHITECT .
23.

WHERE INDICATED ON THE DRAWINGS DRY PACK/PINNING CONCRETE TO BE AS FOLLOWS:

a)

FOR PINNING GAPS LESS THAN 25mm USE SLATE DRIVEN INTO ORDINARY 1:3 MORTAR.

b)

GENERALLY, WHERE 'DRY PACK' IS NOTED ON THE DRAWINGS FOR GAPS BETWEEN 25mm AND 100mm, DRY PACK TO BE 1:1.5:3 NOMINAL MIX USING 1 PART STRENGTH CLASS 42.5KN CEMENT, 1.5 PARTS SHARP SAND AND 3 PARTS 5-10mm PEA SHINGLE, GAUGED WITH CONBEX 100 (BY FOSROC EXPANDITE LTD), USED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS. THE AMOUNT OF WATER IS TO BE KEPT TO THE MINIMUM NECESSARY FOR HYDRATION OF THE CEMENT. THE CONSISTENCY SHOULD BE SUCH THAT THE WETTED MIX WILL JUST BIND UNDER HAND PRESSURE. THE DRY PACK IS TO BE RAMMED INTO PLACE WITH AN APPROPRIATE RAMMER.
24.

THE CONTRACTOR SHALL SUBMIT DRAWINGS SHOWING THE LOCATIONS OF ALL CONSTRUCTION JOINTS, UPSTANDS, SLAB DEPRESSIONS, SLEEVES, OPENINGS, EMBEDMENTS FOR ARCHITECTURAL PRE-CAST PANEL CONNECTIONS, INSERTS FOR HANGERS, ANCHORAGE FOR CLADDING, WATERBARS ETC... FOR THE GENERAL COORDINATION OF ALL TRADES.
25.

OPENINGS, SLEEVES, EMBEDDED DUCTS:

- NO SLEEVES SHALL BE PLACED VERTICALLY OR HORIZONTALLY THROUGH BEAMS OR WALLS UNLESS REVIEWED AND APPROVED BY WSP.

- NO OPENINGS SHALL BE MADE IN FLAT PLATE OR FLAT SLAB COLUMN STRIPS UNLESS REVIEWED AND APPROVED BY WSP.

CONSTRUCTION JOINTS

1.

CONSTRUCTION JOINTS SHALL BE LOCATED AS SHOWN ON THE DRAWINGS, AS DESCRIBED IN THE SPECIFICATION, OR OTHERWISE AGREED WITH THE ENGINEER. WHERE JOINTS ARE NOT INDICATED THE CONTRACTOR SHALL SUBMIT PROPOSALS FOR APPROVAL.
2.

THE LOCATION AND DISTANCE BETWEEN ALL CONSTRUCTION JOINTS IS TO BE IN ACCORDANCE WITH THE CONCRETE SPECIFICATION AND THE NATIONAL STRUCTURAL CONCRETE SPECIFICATION.
3.

CONSTRUCTION JOINTS IN ALL WALLS, SLABS AND BEAMS SHALL NOT BE FURTHER APART THAN 30 METRES IN ANY DIRECTION.
4.

COLUMN AND WALL KICKERS ARE NOT PERMITTED UNLESS NOTED OTHERWISE.
5.

ALL CONSTRUCTION JOINTS SHALL BE WIRE BRUSHED, CLEANED AND MOISTENED IMMEDIATELY PRIOR TO PLACING NEW CONCRETE.
6.

ALLOW A MINIMUM OF THREE (3) HOURS BETWEEN PLACEMENT OF CONCRETE FOR COLUMNS, WALLS OR PIERS AND PLACEMENT OF CONCRETE ON THE ADJACENT FLOOR.
7.

GROUND SLABS AND EXTERNAL WALLS ARE TO BE WATERPROOFED AS INDICATED ON THE DRAWINGS. WATERPROOFING TO BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
8.

ALL CONSTRUCTION JOINTS BELOW GROUND LEVEL TO HAVE EXTERNAL PVC WATER BARS AND HYDROPHILIC STRIPS. THE CONTRACTOR IS TO PREPARE FULL WATER BAR LAYOUTS FOR ACCEPTANCE AT LEAST FOUR (4) WEEKS BEFORE PROGRAMMED INSTALLATION.
9.

POUR SEQUENCE TO BE SUBMITTED TO WSP BY CONTRACTOR FOR APPROVAL.
10.

SPLICES IN REINFORCEMENT HAVE NOT BEEN DETAILED IN ACCORDANCE WITH ANY PREDETERMINED CONSTRUCTION JOINT POSITION. IF THE CONTRACTOR WISHES TO ALTER POSITIONS OF SPLICES HE WILL BE REQUIRED TO SUBMIT FULL DETAILED REINFORCEMENT DRAWINGS & SCHEDULES FOR APPROVAL.

WATER RESISTANT CONCRETE

1.

WATER RESISTANT CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH BS 8102 FOR THE REQUIRED BASEMENT GRADE.
2.

THE CONTRACTOR SHALL REFER TO THE GUIDANCE GIVEN IN BS EN 1992-3 FOR DETAILING AND CONSTRUCTION OF REINFORCED CONCRETE TO PREVENT WATER PENETRATION.
3.

WATER RESISTANT CONCRETE CONSTRUCTION SHALL CONTAIN AN APPROVED WATERPROOFING ADMIXTURE (KYPEX OR SIMILAR APPROVED). CONCRETE EXPOSED TO FREEZING OR DE-ICING CHEMICALS SHALL ALSO CONTAIN AN APPROVED AIR-ENTRAINING ADMIXTURE.
4.

COMPATIBLE WATER BARS ARE TO BE PROVIDED AS NECESSARY AT CONSTRUCTION JOINTS TO ENSURE WATERTIGHT CONSTRUCTION.
5.

SLAB AND WALL PENETRATIONS ARE TO BE DETAILED BY THE CONTRACTOR TO ENSURE WATER TIGHTNESS.

CONCRETE EXPOSURE CONDITIONS SCHEDULE

LOCATION	FACE	EXPOSURE CONDITION	STRENGTH CLASS (N/mm²)	NOMINAL COVER (mm)	CLASS DESCRIPTION
GROUND FLOOR AND ABOVE CORE WALLS AND LINK BEAMS	ALL	XC1	C40/50	30mm	DRY
BASEMENT CORE WALLS AND BASEMENT LINK BEAMS	ALL	XC3/XC4	C40/50	30mm	MODERATE HUMIDITY OR CYCLIC WET AND DRY
GOODS LIFT WALLS AND CAPPING SLAB	ALL	XC1	C32/40	35mm	DRY
BASEMENT COLUMNS	ALL	XC3/XC4	C40/50	35mm	MODERATE HUMIDITY OR CYCLIC WET AND DRY
GROUND FLOOR COLUMNS	ALL	XC3/XC4 XD3 XF2	C50/60	50mm	MODERATE HUMIDITY OR CYCLIC WET AND DRY. MODERATE WATER SATURATION WITH DE-ICING AGENT.
SUPERSTRUCTURE COLUMNS LEVEL 1 TO LEVEL 10	ALL	XC1	C40/50	30mm	DRY
SUPERSTRUCTURE COLUMNS LEVEL 11 TO LEVEL ROOF	ALL	XC1	C32/40	30mm	DRY
GROUND FLOOR SLAB	BOTTOM	XC3/XC4	C35/45	35mm	MODERATE HUMIDITY OR CYCLIC WET AND DRY
	TOP	XC3/XC4		40mm	MODERATE HUMIDITY OR CYCLIC WET AND DRY
SUBSTATION ROOF SLAB	ALL	XC1	C32/40	30mm	DRY
LEVEL 1 SLAB	ALL	XC1	C35/45	30mm	DRY
LEVEL 2 - 22 SLAB and Mezz slab	ALL	XC1	C32/40	30mm	DRY
RAFT AND BASEMENT SLAB	BOTTOM	XC3/XC4 AC-3S	C32/40	75mm	MODERATE HUMIDITY OR CYCLIC WET AND DRY. EXPOSURE TO SOIL.
	TOP	XC3/XC4		50mm	MODERATE HUMIDITY OR CYCLIC WET AND DRY
1500mm DEEP CAPPING BEAM	BOTTOM	XC3/XC4 AC-3S	C35/45	75mm	MODERATE HUMIDITY OR CYCLIC WET AND DRY. EXPOSURE TO SOIL.
	TOP AND SIDES			50mm	
900mm DEEP CAPPING BEAM	BOTTOM	XC3/XC4 AC-3S	C32/40	75mm	MODERATE HUMIDITY OR CYCLIC WET AND DRY. EXPOSURE TO SOIL.
	TOP AND SIDES			50mm	
LINER WALL	INSIDE FACE	XC3/XC4	C32/40	35mm	MODERATE HUMIDITY OR CYCLIC WET AND DRY.
	OUTSIDE FACE	XC3/XC4 AC-3S		35mm	MODERATE HUMIDITY OR CYCLIC WET AND DRY. EXPOSURE TO SOIL.
PILES AND CONTIGUOUS PILE WALL	N/A	BY CONTRACTOR	C32/40 MIN	BY CONTRACTOR	BY CONTRACTOR

PRECAST CONCRETE

1.

ALL PC STAIRS AND FLOORS ARE TO BE DESIGNED BY THE CONTRACTOR FOR THE LOADING INDICATED OR OTHERWISE ASCERTAINABLE FROM THE DRAWINGS.
2.

REFERENCE SHOULD BE MADE TO THE ARCHITECTS DETAILS FOR THE GEOMETRY, SETTING OUT, FINISHES AND REQUIREMENTS FOR CAST IN ELEMENTS.
3.

THE CONTRACTOR SHALL PRODUCE & SUBMIT DIMENSIONED LAYOUT DRAWINGS & CALCULATIONS FOR REVIEW AND APPROVAL BY THE ARCHITECT AND ENGINEER PRIOR TO FABRICATION.
4.

IT SHOULD BE NOTED THAT THE ENGINEERS REVIEW WILL CENTRE ON COMPLIANCE WITH DESIGN INTENT & WILL EXCLUDE DIMENSIONAL CHECKS. THE CONTRACTORS DETAILS ARE TO INDICATE THE LINES OF SUPPORT OF THE STAIRCASE OR FLOOR UNITS AND INDICATE ANY AREAS OF INSITU CONCRETE REQUIRED TO COMPLETE THE WORKS.
5.

THE UNITS SHALL INCORPORATE LIFTING EYES POSITIONED TO ENABLE SAFE HANDLING ON SITE GIVING CONSIDERATION TO THE CENTRE OF MASS.

LINTELS

1.

LINTELS THAT ARE DESIGNED TO WORK COMPOSITELY WITH MASONRY ABOVE THE LINTEL SHALL NOT BE USED WHEN INSERTING OPENINGS IN EXISTING WALLS.
2.

LINTELS SHALL BE SIZED FROM THE MANUFACTURER'S CURRENT TECHNICAL LITERATURE AND INSTALLED IN ACCORDANCE WITH THEIR RECOMMENDATIONS.
3.

MINIMUM LINTEL END BEARING SHALL BE 150mm UNLESS NOTED OTHERWISE.

TIMBER & MASONRY

TIMBER NOTES

1.

ALL TIMBER SHALL COMPLY WITH BS EN 1996 AND BS EN 14081-1.
2.

UNLESS NOTED OTHERWISE ALL TIMBER SHALL BE STRENGTH CLASS C24 TO BS EN 338. TIMBER TO BE PRESSURE IMPREGNATED WITH PRESERVATIVE & CUT ENDS BRUSH TREATED.
3.

ALL MEMBERS SHOWN DOUBLED OR TRIPLED ARE TO BE BOLTED TOGETHER @ 600 Ctrs USING M10 BOLTS WITH 38mmØ TOOTH PLATE CONNECTORS AND SQUARE PLATE WASHERS.
4.

TIMBER RAFTERS LONGER THAN 3.5m TO HAVE ADDITIONAL STRUTTING OR SOLO BLOCKINGS AT MID SPAN.
5.

ALL FLOOR JOISTS LONGER THAN 2.4m TO HAVE HERRINGBONE STRUTTING OR SOLID BLOCKING AT EACH END & AGAINST BEAM SUPPORTS.
6.

NO HOLES OR NOTCHES WILL BE PERMITTED THROUGH NEW OR EXISTING JOISTS UNLESS WHERE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER.
7.

STAINLESS STEEL BOLTS TO BE ISOLATED FROM SHEAR PLATE CONNECTORS WITH PLASTIC INSULATING TAPE.

MASONRY

1.

REFER TO THE ARCHITECTS MASONRY SPECIFICATION.
2.

REFER TO ARCHITECT DETAILS FOR WALL SETTING OUT, MOVEMENT JOINT LOCATIONS AND DETAILS, WIND POST LOCATIONS AND LINTELS.
3.

UNLESS NOTED OTHERWISE ALL BRICKWORK SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 20.0N/mm2 AND A WATER ABSORPTION OF 7-12%.
4.

UNLESS NOTED OTHERWISE ALL BLOCKWORK SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 7.0N/mm2. (10.0N/mm² TO WALLS FORMING LIFT SHAFTS).
5.

ALL BRICKS AND BLOCKS SHALL BE OBTAINED FROM MANUFACTURERS WHICH OPERATE APPROVED FACTORY CONTROL SYSTEMS WHICH MEET THE REQUIREMENTS OF BS EN 771 (ALL PARTS)
6.

THE CONTRACTOR SHALL ENSURE THAT SITE SUPERVISION AND CONTROL IS STRICTLY IN ACCORDANCE WITH BS EN 1996-2.
7.

ALL MORTAR SHALL BE DESIGNATION M4, EXCEPT BELOW GROUND WHERE MORTAR DESIGNATION M6 WITH SULPHATE RESISTING CEMENT IS TO BE USED.
8.

THE CONTRACTOR IS TO PROVIDE TEMPORARY SUPPORT AS NECESSARY TO ENSURE STABILITY OF ALL BRICK AND BLOCK WALLS DURING CONSTRUCTION.
9.

UNLESS NOTED OTHERWISE ALL NON-LOADBEARING WALLS ARE TO BE TIED TO THE STRUCTURE OVER WITH TIES ALLOWING VERTICAL MOVEMENT AND A FLEXIBLE JOINT OF 25mm TO BE FORMED BETWEEN TOP OF THE WALL AND THE STRUCTURE. THE JOINT SHALL BE FILLED WITH AN APPROVED COMPRESSIBLE MATERIAL IN ACCORDANCE WITH THE ARCHITECTS DETAILS.
10.

HOLES IN WALLS SHOULD ONLY BE CARRIED OUT WHEN APPROVED BY THE ENGINEER. HOLES IN WALLS EXCEEDING 200 MM SHOULD HAVE A LINTEL.
11.

CHASES IN WALLS SHOULD ONLY BE CARRIED OUT WHEN APPROVED BY THE ENGINEER REFER TO SPECIFICATION. TO BE IN ACCORDANCE WITH THE ARCHITECTS DRAWINGS & SPECIFICATION & UNLESS NOTED OTHERWISE 20KN BRICKWORK TO BE IN ACCORDANCE WITH BS 5628. WHERE ENGINEERING BRICK IS SPECIFIED ON DRAWING PROVIDE:

- CLASS A - 70N BRICK

- CLASS B - 50N BRICK
12.

ALL BRICKWORK BELOW DPC TO BE IN BRICKS WITH DURABILITY DESIGNATION FL OR FN OF TABLE 3 BS 3921, LAID IN 1:3 MORTAR WITH SULPHATE RESISTING CEMENT UNLESS NOTED OTHERWISE.
13.

ALL BRICKWORK ABOVE DPC TO BE IN 1:1:6 MORTAR UNLESS NOTED OTHERWISE.
14.

DRYPACK TO BE 3:1 SHARP SAND CEMENT, WITH AN EARTH DAMP CONSISTENCY AND WELL RAMMED IN.

DO NOT SCALE

NOTES:

1.

THIS DRAWING IS TO BE READ IN CONIUNCTION 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						
<div><div><div><div><div></div><div></div></div><div></div></div></div></div> <div>WSP House, 70 Chancery Lane, London WC2A 1AF Tel: +44 20 7314 5000 Fax: +44 20 7314 5111 <a href="http://www.wsp.com">http://www.wsp.com</a></div>						
CLIENT:						
BRILL PLACE LIMITED						
ARCHITECT:						
Stiff + Trevillion Architects Ltd						
PROJECT:						
BRILL PLACE						
TITLE:						
GENERAL NOTES SHEET 2						
SCALE @ A1:		CHECKED:		APPROVED:		
NTS		RG		RG		
PROJECT NUMBER:		DESIGNED:	DRAWN:	DATE:		
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