

GENERAL NOTES

- ALL DIMENSIONS ARE IN mm.
 - THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND SERVICES ENGINEERS DRAWINGS AND SPECIFICATIONS.
 - ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR AND ANY DISCREPANCIES BROUGHT TO THE ENGINEERS & ARCHITECTS ATTENTION IN ACCORDANCE WITH THE SPECIFICATION.
 - FOR THE PURPOSES OF CONSTRUCTION, THIS DRAWING MUST NOT BE SCALED AND ONLY WRITTEN OR CALCULATED DIMENSIONS USED.
 - ALL PROPRIETARY PRODUCTS TO BE USED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION AND DETAILS.
 - GENERALLY ONLY HOLES, POCKETS, RECESSES ETC WITH ANY DIMENSION GREATER THAN 200mm ARE SHOWN ON THE DRAWINGS. FOR CONFIRMATION OF THESE AND FOR DETAILS OF SMALLER HOLES, INSERTS, FIXINGS ETC, REFERENCE SHOULD BE MADE TO THE ARCHITECTS, SERVICES ENGINEERS AND OTHER RELEVANT CONSULTANTS BUILDERS WORK DRAWINGS.
 - ALL TEMPORARY WORKS ARE TO BE DESIGNED AND INSTALLED BY THE CONTRACTOR.
 - ALTHOUGH EVERY EFFORT HAS BEEN TAKEN TO CHECK SURVEY/SITE INFORMATION USED ON THIS DRAWING, RAMBOLL ARE NOT RESPONSIBLE FOR ITS ACCURACY.
- ALL SETTING OUT IS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.
- ALL COLUMNS AND BASES ARE SET OUT CENTRALLY ON GRIDLINES, UNLESS NOTED OTHERWISE.
 - FOR DETAILS OF LIGHTNING PROTECTION REFER TO SERVICES ENGINEERS DRAWINGS.
 - REFER TO ARCHITECTS DRAWINGS FOR WATERPROOFING DETAILS.

DESIGN GUIDES

THE FOLLOWING BRITISH STANDARDS, CODES OF PRACTICE AND REFERENCES HAVE BEEN USED:

BS EN 1990 BASIS OF STRUCTURAL DESIGN
 BS EN 1991 ACTIONS ON STRUCTURES
 BS EN 1992 DESIGN OF CONCRETE STRUCTURES
 BS EN 1993 DESIGN OF STEEL STRUCTURES
 BS EN 1994 DESIGN OF STEEL AND CONCRETE COMPOSITE STRUCTURES
 BS EN 1995 DESIGN OF TIMBER STRUCTURES
 BS EN 1996 DESIGN OF MASONRY STRUCTURES
 BS EN 1997 GEOTECHNICAL DESIGN

BS 8500-1 CONCRETE - COMPLEMENT TO BS EN 206-1
 (PART 1: METHOD OF SPECIFYING AND GUIDANCE FOR SPECIFIER)

STRUCTURAL NOTATIONS

REINFORCEMENT ABBREVIATIONS:

B: DENOTES BOTTOM LAYER
 T: DENOTES TOP LAYER
 EF: DENOTES EACH FACE
 EW: DENOTES EACH WAY
 NF: DENOTES NEAR FACE
 FF: DENOTES FAR FACE
 ALT: DENOTES ALTERNATE BARS
 STG: DENOTES STAGGERED BARS
 UB: DENOTES U-BARS
 LL: DENOTES LONG LEG

FOUNDATION PREFIXES:

CP: DENOTES CONCRETE PILE
 SP: DENOTES STEEL PILE
 PF: DENOTES PAD FOOTING
 SF: DENOTES STRIP FOOTING
 PC: DENOTES PILE CAP
 RW: DENOTES RETAINING WALL
 GB: DENOTES GROUND BEAM

STRUCTURE PREFIXES:

CC: DENOTES COLUMN CONCRETE
 CS: DENOTES COLUMN STEEL
 CT: DENOTES COLUMN TIMBER
 WP: DENOTES WIND POST
 BC: DENOTES BEAM CONCRETE
 BS: DENOTES BEAM STEEL
 PB: DENOTES POST TENSIONED CONCRETE BEAM
 PG: DENOTES PLATE GIRDER
 FB: DENOTES FABSEC BEAM
 WB: DENOTES WESTOK BEAM
 TR: DENOTES TRUSS
 W: DENOTES WALL
 S: DENOTES SLAB
 PT: DENOTES POST TENSIONED SLAB
 MD: DENOTES METAL DECKED SLAB
 RS: DENOTES ROOF SHEET
 PP: DENOTES PRECAST PLATE (OMNIDECK, ETC)
 MS: DENOTES MILD STEEL FLOOR PLATE
 MJ: DENOTES MOVEMENT JOINT
 BR: DENOTES BRACE
 BP: DENOTES BASEPLATE
 J: DENOTES JOIST
 R: DENOTES RAFTER
 L: DENOTES LINTEL
 ST: DENOTES STAIR
 ND: DENOTES NODE

STRUCTURE SUFFIXES:

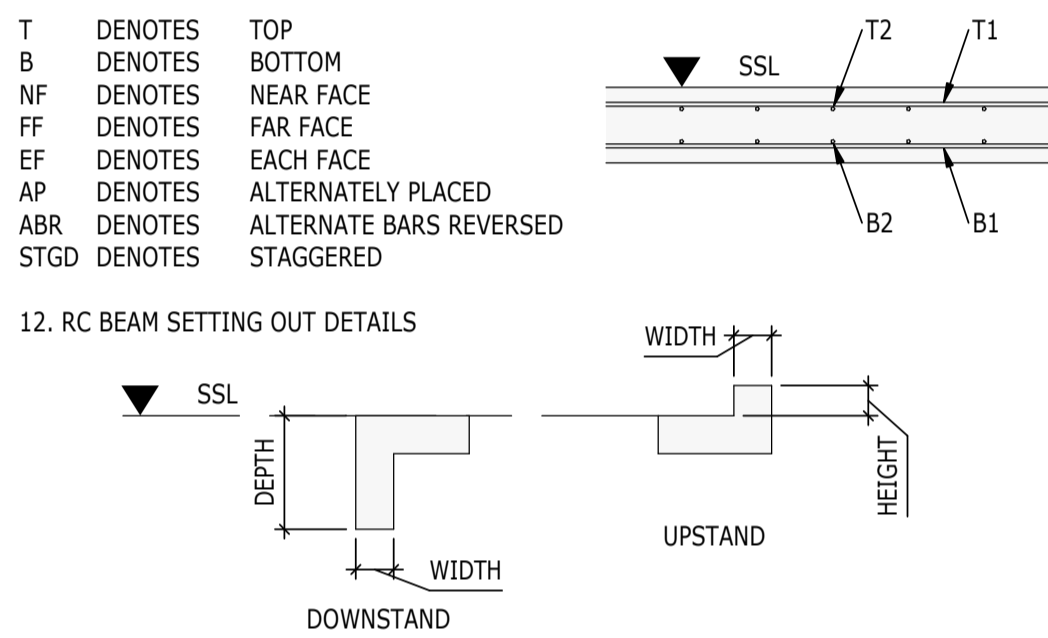
C: DENOTES CAMBERED
 SS: DENOTES SHEAR STUDS
 PC: DENOTES PRECAST CONCRETE ELEMENT
 G: DENOTES GALVANISED
 P: DENOTES PAINTED

STRUCTURE PREFIXES (AMERICAN CODE):

LB: DENOTES LINK BEAM
 SW: DENOTES SHEAR WALL
 WS: DENOTES WALL SEGMENT

CONCRETE NOTES

- FOR DETAILS OF CONCRETE MIXES, REFER TO RAMBOLL SPECIFICATION.
 - NO CHASING OF CONCRETE WILL BE PERMITTED.
 - CONTRACTOR TO ALLOW FOR CO-ORDINATION OF BUILDERS WORK REQUIREMENTS FOR SERVICES SO THAT HOLES SLEEVES ETC. CAN BE CAST INTO ALL NEW CONCRETE WORK.
 - NO POST-DRILLING OF CONCRETE FOR SERVICE HOLES GREATER THAN 200mm WILL BE PERMITTED.
 - BEFORE CONCRETING THE CONTRACTOR SHALL SUBMIT A LAYOUT SHOWING THE LOCATION OF ALL PROPOSED CONSTRUCTION JOINTS. THE SPACING AND SEQUENCE OF POURS SHALL NOT EXCEED THOSE GIVEN IN THE SPECIFICATION.
 - FOR WATERTIGHT CONSTRUCTION, WATER BARS ARE TO BE PROVIDED IN ALL CONSTRUCTION JOINTS IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
 - ALL COVERS TO BE IN ACCORDANCE WITH BS EN 1992-1-1.
 - NOMINAL COVER TO ALL REINFORCEMENT SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWINGS :
- | | | |
|----------------|-----------------|------------------------------|
| FOUNDATIONS | UNFORMED | = 75mm |
| | INTERNAL FORMED | = 40mm |
| | EXTERNAL FORMED | = 50mm (NON WATER RESISTING) |
| | EXTERNAL | = 40mm (WATER RESISTING) |
| SUPERSTRUCTURE | FORMED INTERNAL | = 25mm |
| | FORMED EXTERNAL | = 40mm |
- ALL LAPS TO REINFORCEMENT TO BE IN ACCORDANCE WITH RELEVANT SPECIFICATION AND DESIGN CODE.
 - REINFORCEMENT GRADES TO BE:
- TYPE H -TYPE 2 DEFORMED BARS, GRADE 500 TO BS4449 REINFORCEMENT.
 - RC DETAILING ABBREVIATIONS USED:



- FOR DETAILS OF CONCRETE MIXES, REFER TO RAMBOLL SPECIFICATION.

RC BASEMENT RAFT SLAB AND WALLS = DESIGNATED MIX 01. SPECIAL MIX TO SUIT ADMIXTURE.

MASS CONCRETE UNDERPINNING = TBC (FOLLOWING SI).

RC SLABS ON PERMANENT METAL DECK = DESIGNATED MIX RC 25/30.

POUR SEQUENCE OF RC BASEMENT SLAB AND WALLS TBC TO CONTROL SHRINKAGE CRACKING.

CONCRETE FINISHES

- CONCRETE FORMED FINISHES TO BE AS BELOW:

i) BASEMENT RC SLABS AND WALLS: ORDINARY FINISH
 ii) PRECAST STAIRS: TO ARCHITECTS SPECIFICATION

PRECAST STAIRS

- ALL STAIR FLIGHTS SHOWN ON RAMBOLL DRAWINGS ARE TO BE PRECAST CONCRETE UNLESS NOTED OTHERWISE.
- ALL P.C. STAIRS ARE TO BE SUB-CONTRACTOR DESIGNED IN ACCORDANCE WITH SPECIFICATION CLAUSE E60/210.
- STAIRS ARE TO BE DESIGNED FOR A IMPOSED LOAD OF 4.0 kN/m².
- SETTING OUT OF TREADS, SHADOW GAPS AND OTHER ARCHITECTURAL FEATURES SHOULD BE TAKEN FROM THE ARCHITECTS DRAWINGS.
- ALL PRECAST STAIRS ARE TO HAVE ROBUSTNESS FIXING SUITABLE FOR THE BUILDING CLASS, DESIGNED BY THE PRECAST STAIR SUPPLIER.

STEELWORK NOTES

THESE NOTES ARE TO BE READ IN CONJUNCTION WITH THE STRUCTURAL SPECIFICATION FOR STEELWORK AND THE RELEVANT BRITISH STANDARDS.

- GENERALLY

VERTICAL CROSS BRACING DENOTED THUS BRACED BAY TO BE LOCATED CENTRALLY TO ALL BEAM AND COLUMN CENTRELINES U.N.O.

STEEL BEAM LINES SHOWN ON PLAN ARE AT THE CENTRE OF THE SECTION OR THE BACK EDGE OF CHANNELS U.N.O.

ALL BASEPLATES TO HAVE MINIMUM 4 No. HOLDING DOWN BOLTS.

- MEMBER SIZES

SIZE OF MEMBERS ARE SCHEDULED ON THE DRAWINGS.

TOP OF COLUMN IS AS TOS UNLESS NOTED OTHERWISE.

- STEEL GRADES (BS EN 10025 AND BS EN 1993).

GRADES OF STEELWORK/BOLTS ARE TO BE AS FOLLOWS (UNLESS NOTED OTHERWISE ON THE DRAWINGS)

ALL STEELWORK

ALL INTERNAL STEELWORK: S355JR OR S355J0H
 ALL EXTERNAL STEELWORK: S355JO OR S355J0H

ALL BOLTS

GRADE 8.8 UNLESS NOTED OTHERWISE

ALL STAINLESS STEEL

GRADE 1.4401 (316) UNLESS NOTED OTHERWISE

- CORROSION PROTECTION

CORROSION PROTECTION OF STEELWORK IS TO BE IN ACCORDANCE WITH THE RAMBOLL STEELWORK SPECIFICATION. CLAUSE G10 AND M61. COLOUR TO ARCHITECTS SPECIFICATION

- FIRE PROTECTION

FIRE PROTECTION REQUIREMENTS TO BE IN ACCORDANCE WITH THE FIRE ENGINEERS REPORT AND ARCHITECTS SPECIFICATION. FOR COSTING PURPOSES ALLOW FOR INTUMESCENT COATING TO ALL STEELWORK.

- PAINTING

PAINT TO ALL NEW STEELWORK TO BE IN ACCORDANCE WITH THE SPECIFICATION, WITH THE EXCEPTION OF THE TOP FLANGE OF COMPOSITE BEAMS WHICH ARE TO BE LEFT UNPAINTED.

PAINTED OR GALVANIZED AREAS DAMAGED DURING TRANSIT OR CONSTRUCTION SHALL BE MADE GOOD IN ACCORDANCE WITH THE SPECIFICATION.

- HOLES

NO HOLES ARE TO BE FORMED THROUGH STEEL BEAMS OR COLUMNS OTHER THAN THOSE SHOWN ON THE ENGINEER'S DRAWINGS WITHOUT PRIOR APPROVAL OF THE ARCHITECTS/ENGINEERS.

- COLUMN SPLICES

COLUMN SPLICES GENERALLY 1000mm ABOVE TOS LEVEL TYPICAL U.N.O.

- MISCELLANEOUS

ALL END PLATES/CAPPING PLATES ARE TO BE PROFILED TO SHAPE OF SECTION U.N.O.

ALL END PLATES/CAPPING PLATES ARE TO BE LAMINAR FREE.

- DIMENSIONS ARE GIVEN TO THE FOLLOWING POINTS FOR VARIOUS SECTIONS:

UB CENTRELINE
 uc CENTRELINE
 RSJ CENTRELINE
 TEE CENTRELINE
 RHS CENTRELINE
 SHS CENTRELINE
 CHS CENTRELINE
 PFC BACK FACE OF WEB
 RSA BACK OF VERTICAL LEG

COMPOSITE SLAB NOTES

- THESE NOTES ARE TO BE READ IN CONJUNCTION WITH THE RAMBOLL STEELWORK SPECIFICATION

2. DESIGN OF METAL DECKING, EDGE TRIMS AND ASSOCIATED FITTINGS BY THE CONTRACTOR.

3. LAYOUT AND FIXING OF DECKING AND EDGE TRIMS TO BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

4. DECKING LAYOUT TO BE ARRANGED TO ACHIEVE SHEAR STUD CENTRES INDICATED ON DRAWINGS.

5. ALL METAL DECKING IS TO SPAN 2 BAYS MINIMUM BETWEEN SUPPORTING BEAMS WHEREVER POSSIBLE.

6. JUNCTION BETWEEN SHEETS ARE TO BE FORMED TO AVOID GROUND LOSS.

7. METAL DECKING TO EXTEND OVER THE FLOOR AREAS WITH EDGE DIMENSIONS AS NOTED ON DRAWINGS. METAL DECKING TO HAVE 50MM MINIMUM END BEARING ON STEEL BEAMS, DECKING TO BE CONTINUOUS OVER BEAM OF FLANGE WIDTH LESS THAN 140MM.

8. METAL DECKING MUST BE PROVIDED WITH ADEQUATE FIXINGS TO TOP FLANGES OF SUPPORTING BEAMS TO RESTRAIN THE BEAMS DURING ERECTION, PRIOR TO AND DURING THE CONCRETE SLAB BEING POURED.

9. ALL SHEAR STUDS TO BE 19mm DIAMETER X 105mm LONG (95mm AFTER WELDING) U.N.O. CHARACTERISTIC YIELD STRENGTH = 350N/mm² AND MINIMUM ULTIMATE TENSILE STRENGTH = 450 N/mm². ALL STUDS TO BE THROUGH DECK WELDED.

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NOTES

- DO NOT SCALE FROM THIS DRAWING.
- ALL DIMENSIONS ARE IN MILLIMETRES U.N.O.
- ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM U.N.O.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.

P02	PLANNING & LBC ISSUE	16/12	JC	PM
P01	PRELIMINARY DRAFT ISSUE	2022	AC	PM
		02/12	JC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

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GENERAL NOTES SHEET 1

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	N/A	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-XX-DR-S-00010	P02		

STRUCTURAL FIXINGS

- ANCHOR BOLTS SHALL BE AS SPECIFIED ON THE DRAWINGS. NO SUBSTITUTIONS ARE TO BE MADE WITHOUT THE PRIOR CONSENT OF RAMBOLL.
- ONLY ANCHORS WITH AN ETA (EUROPEAN TECHNICAL ASSESSMENT) FOR THE GIVEN APPLICATION SHALL BE USED.
- PRIOR TO COMMENCEMENT, THE CONTRACTOR IS TO SUBMIT PROPOSALS FOR THE INSTALLATION OF ANCHORS IN ACCORDANCE WITH SECTION 7 OF BS8539:2012.
- THE INSTALLATION OF ALL ANCHORS IS TO BE SUPERVISED AND ALL ANCHORS ARE TO BE INSPECTED AND CERTIFIED TO CONFIRM THEY HAVE BEEN CORRECTLY INSTALLED IN ACCORDANCE WITH THE SPECIFICATION AND ARE IN A CONDITION TO BE LOADED. CONSTRUCTION FIXINGS ASSOCIATION FORM 8539/03 IS TO BE COMPLETED BY THE CONTRACTOR'S SUPERVISOR AND SUBMITTED TO THE CA AND RAMBOLL FOR EACH UNIQUE GROUP OF CONNECTION DESIGNS/SPECIFICATIONS WITHIN THE PROJECT.
- INSTALLERS AND SUPERVISORS MUST BE SUITABLY TRAINED AND QUALIFIED BY KNOWLEDGE AND PRACTICAL EXPERIENCE. THEY MUST BE IN POSSESSION OF THE NECESSARY ANCHOR INSTALLATION INSTRUCTIONS TO ENABLE THE REQUIRED TASKS TO BE CARRIED OUT CORRECTLY.
- ALL PROPOSED FIXING LOCATIONS INTO CONCRETE ARE TO BE FERROSCANNED TO DETERMINE REINFORCEMENT LINES. WHERE CLASHES WITH REINFORCEMENT ARISE, REFER TO THE ENGINEER AND/OR CONNECTION DESIGNER FOR CONFIRMATION AS TO HOW THE CONNECTION SHOULD BE AMENDED. DRILLING OF REINFORCEMENT IS NOT PERMITTED WITHOUT PRIOR WRITTEN CONSENT OF RAMBOLL. PERCUSSIVE DRILLING IS TO BE USED ONLY (NO DIAMOND DRILLING).
- INSTALLATION SHALL STRICTLY BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. IN PARTICULAR HOLES SHALL BE CLEAN AND DRY BEFORE INSTALLATION OF ANY RESINS.
- RESIN BOLTS ARE NOT TO BE LOADED UNTIL THE RESIN HAS CURED AND REACHED FULL DESIGN STRENGTH.
- WHERE BOLTS ARE TO BE TORQUED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS THIS SHALL BE CARRIED OUT USING A CALIBRATED TORQUE WRENCH.
- 5% OF ANCHORS INSTALLED ARE TO BE PROOF TESTED IN ACCORDANCE WITH THE CONSTRUCTION FIXINGS ASSOCIATION GUIDANCE NOTE 'PROCEDURE FOR SITE TESTING CONSTRUCTION FIXINGS' AND BS 8539. THE FACTOR ON CHARACTERISTIC LOAD SHOULD BE 1.25.
- FOR RESIN FIXINGS, THE VOID BETWEEN THE PLATE HOLE AND FIXING IS TO BE FILLED WITH THE SAME RESIN AS FIXING TO ENSURE AN EVEN DISTRIBUTION OF SHEAR LOADING BETWEEN BOLTS IN A CONNECTION.

MASONRY

- THESE NOTES ARE TO BE READ IN CONJUNCTION WITH THE ARCHITECT'S MASONRY SPECIFICATION.
- THESE NOTES RELATE TO STRUCTURAL MASONRY AS USED IN THE PRIMARY STRUCTURE. FOR NON-STRUCTURAL MASONRY E.G. NON-LOAD BEARING BLOCKWORK, REFER TO THE ARCHITECT'S DETAILS.
- QUALITY OF FACING MASONRY TO BE IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATION.
- ALL WALLS SHOWN ON RAMBOLL DRAWINGS ARE TO BE CONSIDERED AS LOADBEARING UNLESS NOTED OTHERWISE.
- UNLESS NOTED OTHERWISE, THE CONSTRUCTION AND DETAILING OF MASONRY IS TO BE IN ACCORDANCE WITH BS EN 1996-1-1, BS EN 1996-2, THEIR UK NATIONAL ANNEXES AND PD6697.
- MASONRY TO BE CONSTRUCTED IN 1.5M LIFTS MAXIMUM PER DAY. NO PORTION OF THE WORKS SHALL BE RAISED MORE THAN 1.2M ABOVE ANOTHER AT ANY TIME AND NO MORE THAN 0.45M FOR CAVITY WALLS.
- ALL MASONRY WALLS TO BE CONSTRUCTED IN TANDEM WITH EACH ABUTTING CROSSWALL TO ACT AS A WIND RESTRAINT BUTTRESS AND TO BE FULLY BONDED. IF ABUTTING WALLS ARE NOT CONSTRUCTED IN TANDEM, TEMPORARY WORKS MUST BE INSTALLED TO RESTRAIN THE WALLS IN BOTH PERPENDICULAR DIRECTIONS.
- SUITABLY ROBUST TEMPORARY SHORING SHOULD BE ERECTED AT 2.5m CENTRES TO RESTRAIN ALL WALLING IN BOTH PERPENDICULAR DIRECTIONS WHERE RESTRAINING RETURN BUTTRESS WALLS ARE GREATER THAN 40 x WALL THICKNESS OR 5m APART.
- ALL MASONRY WALLS CONSTRUCTED BETWEEN DOORS OR LARGE WINDOWS, AND WITH NO RETURN WALLS, MUST BE RESTRAINED BY SUITABLE TEMPORARY WORKS.
- CAVITY WALL TIES TO BE SET HORIZONTALLY OR WITH A MARGINAL SLOPE OUTWARD WITH INSULATION CLIPS TO ARCHITECT'S SPECIFICATION.
- UNLESS NOTED OTHERWISE FOR CAVITY WALLS, PROVIDE 2.5 TIES MINIMUM PER M² OF MASONRY WITH MAXIMUM HORIZONTAL SPACING OF 900mm AND THE MAXIMUM VERTICAL SPACING OF 450mm.
- ALL VERTICAL EDGES IN CAVITY WALLS (E.G. AT WINDOWS, DOORS, ROOF VERGES AND MOVEMENT JOINTS) ARE TO BE TIED AT 225mm CENTRES WITH TIES AT A MAXIMUM DISTANCE OF 225mm FROM THE MASONRY EDGE.

- THE TOP AND BOTTOM OF OPENINGS IN CAVITY WALLS ARE TO BE TIED AT 450mm MAXIMUM CENTRES.
- ALL TIES AND RESTRAINTS WITHIN EXTERNAL WALLS OR CAVITY WALLS ARE TO BE STAINLESS STEEL.
- THE MINIMUM EMBEDMENT OF A WALL TIE INTO THE MORTAR JOINT SHOULD NOT BE LESS THAN 50MM IN EACH LEAF. THE LENGTH OF WALL TIES SHOULD ACHIEVE A DESIGN EMBEDMENT OF BETWEEN 62.5mm AND 75mm IN EACH LEAF TO ALLOW FOR NORMAL SITE TOLERANCES FOR CAVITY WIDTH AND CENTRING OF THE TIE.
- MAXIMUM JOINT SPACING TO BE AS FOLLOWS UNLESS NOTED OTHERWISE:

CLAY BRICKWORK (UNREINFORCED)	= 10m
CONCRETE BLOCKWORK (UNREINFORCED)	= 6m

DISTANCE BETWEEN WALL RETURNS AND ANGLES SHOULD BE HALF OF THE ABOVE DIMENSIONS.

THE LOCATION OF MOVEMENT JOINTS MUST BE AT COLUMNS, WIND POSTS OR BUTTRESSING WALLS UNLESS OTHERWISE AGREED WITH THE ENGINEER IN WRITING.

- WHERE APPLICABLE BED JOINT REINFORCEMENT TO BE STAINLESS STEEL IN ACCORDANCE WITH BS EN 845-3 AND POSITIONED AS SHOWN ON DRAWINGS. 20mm MINIMUM COVER TO BE PROVIDED TO EXTERNAL FACE OF MASONRY. LAPS TO BE 225mm MINIMUM WITH AT LEAST ONE CROSS WIRE. REINFORCEMENT LENGTHS ARE TO BE POSITIONED SIDE BY SIDE AT LAPS. LAP LOCATIONS ARE TO BE STAGGERED THROUGHOUT THE MASONRY PANEL.
- FOR DETAILS OF NON-STRUCTURAL MASONRY AND ASSOCIATED MOVEMENT JOINTS, WIND POSTS, HEAD RESTRAINTS, AND LINTELS, REFER TO ARCHITECT'S DETAILS AND SPECIFICATION.
- THE CONTRACTOR IS TO ENSURE THAT ALL LIFTING OF MASONRY AND ASSOCIATED SUNDRY ITEMS COMPLIES WITH THE RELEVANT REGULATIONS, GUIDANCE AND HEALTH AND SAFETY AT WORK ACTS.

TIMBER

- TIMBER TO BE IN ACCORDANCE WITH BS EN 1995.
- TIMBER TO BE C24 STRENGTH CLASS IN ACCORDANCE WITH BS EN 338 UNLESS NOTED OTHERWISE.
- ALL TIMBER COMPONENTS SHALL BE SUPPLIED WITH AN APPROVED PRESERVATIVE TREATMENT WHICH IS NOT AGGRESSIVE TO THE FIXING COMPONENTS.
- FOR FIRE PROTECTION TO STRUCTURAL TIMBER REFER TO ARCHITECT'S DETAILS.
- ALL TIMBER FIXINGS, HANGERS, PLATES AND TIES TO BE GALVANIZED AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS UNO ON THE DRAWINGS.
- THE MOISTURE CONTENT OF THE TIMBER SHALL BE CONTROLLED AT ALL STAGES OF FABRICATION AND ERECTION TO ENSURE IT IS LESS THAN 18%.
- ALL TIMBER CONNECTIONS ARE TO BE DESIGNED BY THE CONTRACTOR FOR BOTH TEMPORARY AND PERMANENT CONDITIONS.
- DETAILS AND CALCULATIONS RELATING TO THE TIMBER CONNECTIONS SHALL BE SUBMITTED TO THE CA AND RAMBOLL FOR REVIEW AND COMMENT PRIOR TO DETAILING AND INSTALLATION.
- ALL JOISTS SUPPORTED BY STEELWORK ARE TO HAVE A MINIMUM BEARING LENGTH = 75mm UNO.
- NOGGINS SHALL BE OF SOLID TIMBER OF THE SAME SECTION SIZE AS THE TIMBER JOISTS. FOR SPANS OF BETWEEN 2.5m AND 4.5m ONE NOGGIN SHALL BE PROVIDED AT THE MID-SPAN POSITION. FOR SPANS MORE THAN 4.5m TWO NOGGINS ARE TO BE PROVIDED, POSITIONED AT ONE THIRD AND TWO THIRD SPAN POSITIONS. NOGGINS ARE TO BE PROVIDED AT THE ENDS OF SPANS SUPPORTED BY STEELWORK.
- FLOOR DECKING SHALL BE 24mm THICK FINNISH BIRCH STRUCTURAL PLYWOOD (17 PLYS) WITH TONGUE AND GROOVE JOINTS IN ACCORDANCE WITH BS EN 1995, SERVICE CLASS 1 UNO.
- FLOOR DECKING SHALL BE FIXED TO THE JOISTS BY GLUING AND SCREWING USING NO. 6 WOOD SCREWS (3.45mm SHANK X 57mm LONG) GALVANIZED OR SHERARDIZED SPACED AT 150MM CENTRES ALONG BOARD PERIMETERS AND 300mm CENTRES TO INTERMEDIATE SUPPORT JOISTS UNLESS NOTED OTHERWISE. ALL JOINTS SHALL BE BACKED BY JOISTS OR SOLID TIMBER NOGGINS OF 75mm MINIMUM WIDTH.
- ALL SCREW LOCATIONS ARE TO BE PRE-DRILLED PRIOR TO INSTALLING SCREWS. THE HOLES SHOULD BE DRILLED WITH A DIAMETER EQUAL TO THAT OF THE SCREW SHANK FOR THAT PART OF THE HOLE TO CONTAIN THE SHANK, REDUCING TO A PILOT HOLE OF HALF THE DIAMETER OF THE SCREW SHANK FOR THE THREADED PORTION OF THE SCREW.
- WOOD GLUE TO BE UREA FORMALDEHYDE (UF) AMINOPLASTIC THERMOSET RESIN.
- TONGUE AND GLUED JOINTS SHALL BE GLUED AND CLAMPED BEFORE SCREWING DOWN. ALL FIXINGS SHALL BE DRIVEN DOWN BELOW THE SURFACE OF THE PLYWOOD.
- TIMBER SPECIES USED IN THE EXISTING BUILDING IS TO BE TO THE ARCHITECT'S SPECIFICATION (TO SUIT CONSERVATION REQUIREMENTS).

UNDERPINNING

- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE UNDERPINNING WORKS DO NOT IMPAIR THE STABILITY OR CONDITION OF THE EXISTING STRUCTURE. DESIGN OF THE UNDERPINNING AND ANY ASSOCIATED TEMPORARY WORKS IS THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR IS TO INSPECT, MONITOR AND RECORD THE CONDITION OF THE STRUCTURE BEFORE, DURING AND ON COMPLETION OF THE WORKS.
- THE CONTRACTOR IS TO SUBMIT DETAILS OF ALL MATERIALS AND AN UNDERPINNING SEQUENCE FOR REVIEW BY THE CA AND RAMBOLL PRIOR TO UNDERTAKING THE WORK.
- UNDERPINNING IS TO BE CARRIED OUT IN A HIT AND MISS SEQUENCE IN SHORT SECTIONS NOT EXCEEDING 1.0m IN LENGTH WITH A MINIMUM SEPARATION DISTANCE OF 3m BETWEEN EACH CONCURRENT SECTION. ADEQUATE VERTICAL SUPPORT IS TO BE MAINTAINED OVER AT LEAST 75% OF THE WALL LENGTH AT EVERY STAGE OF CONSTRUCTION.
- THE SOFFIT OF THE EXISTING FOOTINGS IS TO BE CLEANED AND FREE OF ANY DIRT, SPOIL OR LOOSE MATERIAL PRIOR TO UNDERPINNING.
- EACH SECTION OF UNDERPINNING IS TO BE CONSTRUCTED IN MASS CONCRETE WITH A SHUTTERED INTERNAL FACE IN ACCORDANCE WITH THE RAMBOLL STRUCTURAL CONCRETE SPECIFICATION AND RELEVANT STRUCTURAL DRAWINGS. EXCAVATION AND CONCRETING OF EACH SECTION OF UNDERPINNING IS TO BE UNDERTAKEN ON THE SAME DAY.
- EACH SECTION OF UNDERPINNING IS TO BE POURED TO A LEVEL OF 75mm BELOW THE UNDERSIDE OF THE EXISTING FOOTING. AFTER THE UNDERPINNING CONCRETE HAS REACHED SUITABLE STRENGTH, THE 75mm GAP IS TO BE FILLED WITH HIGH STRENGTH NON-SHRINK DRY PACK WELL RAMMED INTO POSITION OVER THE FULL DESIRED CONTACT AREA.
- LATERAL PROPPING IS TO BE INSTALLED AS REQUIRED TO MAINTAIN STABILITY OF THE UNDERPINNING UNTIL ADEQUATE SUPPORT IS PROVIDED BY THE PERMANENT WORKS.
- EXCAVATION OF ADJACENT SECTIONS OF UNDERPINNING SHALL NOT COMMENCE UNTIL UNDERPINNING CONCRETE AND DRY PACK HAVE REACHED REQUIRED DESIGN STRENGTH, WITH A MINIMUM PERIOD OF 48 HOURS BETWEEN COMPLETION OF ONE SECTION AND COMMENCEMENT OF THE ADJACENT SECTION.
- THE CONTRACTOR IS TO MAINTAIN AND SUBMIT RECORDS OF THE SEQUENCE AND DIMENSIONS OF UNDERPINNING AS CONSTRUCTED, INCLUDING THE DATES OF STARTING EXCAVATION, CASTING CONCRETE AND PINNING UP OF EACH SECTION.

NOTES FOR TENDERERS

- THE CIVIL AND STRUCTURAL DESIGN IS AT RIBA STAGE 3. THE CONTRACTOR SHOULD ALLOW A SUITABLE COST CONTINGENCY FOR DESIGN DEVELOPMENT AND TECHNICAL CHECKS WHICH WILL TAKE PLACE THROUGH RIBA STAGE 4 AND BEYOND.
- ALL STRUCTURAL INFORMATION IS CURRENTLY PRELIMINARY AND SUBJECT TO DESIGN DEVELOPMENT DURING RIBA STAGE 4 AS FULL AND FINAL STRUCTURAL DESIGN CALCULATIONS AND DETAILS ARE DEVELOPED.

REINFORCEMENT ESTIMATE

- THE FOLLOWING INFORMATION HAS BEEN PROVIDED TO ASSIST THE QUANTITY SURVEYOR TO PREPARE THE COST PLAN. THIS INFORMATION IS PROVISIONAL AND SUBJECT TO REVIEW AND AMENDMENT AS THE DESIGN IS DEVELOPED. A SUITABLE CONTINGENCY IS TO BE INCLUDED BASED ON THE STAGE OF DESIGN DEVELOPMENT.

ELEMENT	REINFORCEMENT ESTIMATE
BASEMENT RC SLAB, THICKENINGS, WALLS & PIERS	300kg/m ³
RC SLABS ON PERMANENT METAL DECKING & ASSOCIATED PLINTHS	120kg/m ³

- ANY ADDITIONAL REINFORCEMENT REQUIRED FOR TEMPORARY STABILITY OR SUPPORT OF THE REINFORCEMENT E.G. CHAIRS OR ADDITIONAL REINFORCEMENT FOR PREFABRICATED CAGES ETC, HAS NOT BEEN INCLUDED.
- THE CONTRACTOR SHOULD MAKE AN ALLOWANCE FOR SITE STOCK FOR ADJUSTMENTS ON SITE.

CONTRACTOR DESIGN PORTIONS ELEMENTS

- IT IS CURRENTLY UNDERSTOOD THAT THE PROJECT WILL BE TENDERED ON A DESIGN AND BUILD BASIS AT THE END OF RIBA STAGE 3. ON THAT BASIS ALL STRUCTURAL ENGINEERING DESIGN RESPONSIBILITY, INCLUDING THE PREPARATION OF FINAL CALCULATIONS FOR BUILDING CONTROL APPROVAL WILL BE THE RESPONSIBILITY OF THE PRINCIPAL CONTRACTOR AND THEIR APPOINTED STRUCTURAL ENGINEER. ALL ELEMENTS OF CONTRACTOR DESIGN ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSIONS OF DESIGN CODES (INCLUDING THE RELEVANT NATIONAL ANNEX IN THE CASE OF EUROCODES), PUBLISHED INDUSTRY GUIDANCE AND PERFORMANCE INFORMATION ISSUED BY THE DESIGN TEAM.
- POST TENDER IT IS ENVISAGED THAT SOME ELEMENTS OF THE DESIGN WILL BE COMPLETED BY SPECIALIST SUB-CONTRACTORS, RATHER THAN THE PRINCIPAL CONTRACTOR'S STRUCTURAL ENGINEER. THE PACKAGED WHICH WE CURRENTLY ENVISAGE WOULD REMAIN AS SPECIALIST SUB-CONTRACTOR DESIGN PORTIONS ARE SET OUT IN THE TABLE BELOW.
- STRUCTURAL STEELWORK DESIGN FOR BOTH STEEL SECTIONS AND CONNECTIONS (INCLUDING STEEL TO CONCRETE CONNECTIONS, CAST IN PLATES, HOLDING DOWN BOLTS ETC.)
- TIMBER CONNECTIONS.
- METAL DECKING IN TEMPORARY AND PERMANENT CONDITIONS, INCLUDING EDGE TRIMS AND FITTINGS.
- REINFORCEMENT DRAWINGS AND BAR BENDING SCHEDULES FOR ALL CONCRETE BASED ON THE STRUCTURAL ENGINEER'S DESIGN INTENT DRAWINGS
- CLADDING AND FAÇADE ELEMENTS INCLUDING SUPPORT FRAMING AND CONNECTIONS TO THE STRUCTURAL FRAME. THE CLADDING CONTRACTOR MUST PROVIDE CONNECTION LOADINGS TO THE STRUCTURAL ENGINEER TO ENSURE THE FRAME HAS SUFFICIENT CAPACITY AND TO ALLOW RAMBOLL TO ASSESS THE IMPACT ON THE PERMANENT DESIGN.
- LIGHT GAUGE (COLD ROLLED) STEEL FRAMED WALL SYSTEMS.
- INTERNAL NON LOADBEARING WALLS, INCLUDING LIGHT WEIGHT STEEL FRAMING, MASONRY OR TIMBER FRAMING INCLUDING ALL LINTELS, HEAD RESTRAINTS AND TIES.
- MASONRY SUPPORT SYSTEMS AND FIXING BRACKETS
- MASONRY LINTELS, WIND POSTS AND HEAD RESTRAINTS
- PRECAST CONCRETE ELEMENTS INCLUDING STAIRS AND THEIR FIXINGS TO THE STEELWORK STRUCTURE.
- ARCHITECTURAL METALWORK AND GLASSWORK INCLUDING FLOORING, WALKWAYS, BALCONIES, LADDERS, HANDRAILS AND BALUSTRADES.
- ATRIUM FEATURE ROOF AND IT'S FIXINGS TO THE PRIMARY STRUCTURE.
- VEHICLE BARRIERS AND BOLLARDS.
- PASSENGER AND VEHICLE LIFT SHAFT STEELWORK INCLUDING FRAMING, GUIDES AND LIFTING BEAMS AND LIFTING EYES
- SECONDARY SUPPORT TO BUILDING SERVICES INSTALLATIONS INCLUDING LOUVRES, PLANT SUPPORT FRAMES, PLANT SUPPORT SYSTEMS.
- FLOORING AND LOCAL SUPPORT STRUCTURE WITHIN RISERS.
- PROPRIETARY THERMAL BREAKS.
- FALSE FLOOR AND HUNG CEILING SYSTEMS.
- CLEANING, MAINTENANCE AND ACCESS EQUIPMENT, INCLUDING RAIL SYSTEMS, SUPPORTING FRAMES TO RAIL SYSTEMS, MAN-SAFE SYSTEMS AND ABSEILING SYSTEMS.
- ALL TEMPORARY WORKS DESIGN INCLUDING CRANE FOUNDATION, FAÇADE RETENTION AND PROPPING DETAILS, TEMPORARY VEHICLE PROTECTION BARRIERS, PROPPING TO EXISTING FLOORS AND MASONRY WALLS.
- COMPLETING MEASURED SURVEYS AS REQUIRED.
- SPECIALIST TIMBER SURVEYS WHERE REQUIRED.
- THE SPECIFICATION AND DESIGN OF ANY GROUND OR STRUCTURAL MONITORING FOR MOVEMENTS OR VIBRATION DURING THE WORKS.
- DETAILED DESIGN OF GROUND GAS PROTECTION SYSTEMS (WHERE REQUIRED).
- DETAILED DESIGN OF WATERPROOFING AND DRAINED CAVITY SYSTEMS, INCLUDING PUMPS.
- STEEL STAIRS, INCLUDING ASSOCIATED LANDINGS AND HALF LANDINGS.

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PO2	PLANNING & LBC ISSUE	16/12 2022	JC AC	PM
PO1	PRELIMINARY DRAFT ISSUE	02/12 2022	JC AC	PM
Rev	Description	Date	By Ck	App

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL HUDDERSFIELD



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GENERAL NOTES SHEET 2

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	N/A	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-XX-DR-S-00011	P02		

UNIVERSAL BEAM (UB)															
MARK	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q
UB127	UB 127x76x13														
UB152	UB 152x89x16														
UB178	UB 178x102x19														
UB203	UB 203x102x23	UB 203x133x25	UB 203x133x30												
UB254	UB 254x102x22	UB 254x102x25	UB 254x102x28	UB 254x146x31	UB 254x146x37	UB 254x146x43									
UB305	UB 305x102x25	UB 305x102x28	UB 305x102x33	UB 305x127x37	UB 305x127x42	UB 305x127x48	UB 305x165x40	UB 305x165x46	UB 305x165x54						
UB356	UB 356x127x33	UB 356x127x39	UB 356x171x45	UB 356x171x51	UB 356x171x57	UB 356x171x67									
UB406	UB 406x140x39	UB 406x140x46	<i>UB 406x140x53</i>	UB 406x178x54	UB 406x178x60	UB 406x178x67	UB 406x178x74	<i>UB 406x178x85</i>							
UB457	UB 457x152x52	UB 457x152x60	UB 457x152x67	UB 457x152x74	UB 457x152x82	UB 457x191x67	UB 457x191x74	UB 457x191x82	UB 457x191x89	UB 457x191x98	<i>UB 457x191x106</i>	<i>UB 457x191x133</i>	<i>UB 457x191x161</i>		
UB533	UB 533x165x66	<i>UB 533x165x74</i>	UB 533x165x85	UB 533x210x82	UB 533x210x92	UB 533x210x101	UB 533x210x109	UB 533x210x122	<i>UB 533x210x138</i>	<i>UB 533x210x150</i>	<i>UB 533x210x182</i>	<i>UB 533x312x219</i>	<i>UB 533x312x272</i>		
UB610	<i>UB 610x178x82</i>	<i>UB 610x178x92</i>	<i>UB 610x178x100</i>	UB 610x229x101	UB 610x229x113	UB 610x229x125	UB 610x229x140	UB 610x305x149	UB 610x305x179	UB 610x305x238					
UB686	UB 686x254x125	UB 686x254x140	UB 686x254x152	UB 686x254x170											
UB726	UB 726x267x134	UB 726x267x147	UB 726x267x173	UB 726x267x197											
UB838	UB 838x292x176	UB 838x292x194	UB 838x292x226												
UB914	UB 914x305x201	UB 914x305x224	UB 914x305x238	UB 914x305x253	UB 914x305x271	UB 914x305x289	UB 914x305x313	UB 914x305x345	UB 914x305x381	UB 914x305x425	UB 914x305x474	UB 914x305x521	UB 914x305x576	UB 914x419x343	UB 914x419x388
UB1016	UB 1016x305x222	UB 1016x305x249	UB 1016x305x272	UB 1016x305x314	UB 1016x305x350	UB 1016x305x393	UB 1016x305x415	UB 1016x305x438	UB 1016x305x487	UB 1016x305x494	UB 1016x305x584				

NOTE: SECTIONS NOTED IN ITALICS ARE IN ADDITION TO THE RANGE OF BS EN 10365.

PARALLEL FLANGE CHANNEL (PFC)		
MARK	A	B
PFC100	PFC 100x50x10	
PFC125	PFC 125x65x15	
PFC150	PFC 150x75x18	PFC 150x90x24
PFC180	PFC 180x75x20	PFC 180x90x26
PFC200	PFC 200x75x23	PFC 200x90x30
PFC230	PFC 230x75x26	PFC 230x90x32
PFC260	PFC 260x75x28	PFC 260x90x35
PFC300	PFC 300x90x41	PFC 300x100x46
PFC380	PFC 380x100x54	
PFC430	PFC 430x100x64	

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NOTE:

ADDITIONAL ALLOWANCE TO BE MADE FOR STIFFENERS AND CONNECTIONS BY CONTRACTOR.

BEAM WEIGHTS ARE GROSS WEIGHTS (I.E. DO NOT ACCOUNT FOR OPENINGS, WELDS, STIFFENERS AND CONNECTIONS).

NOTE:

ALLOW FOR SHEAR STUDS FOR COMPOSITE BEAM ACTION FOR ALL BEAMS THAT HAVE SLAB PASSING OVER THEM, UNLESS NOTED OTHERWISE ON SPECIFIC DRAWINGS.

UNIVERSAL COLUMN (UC)																					
MARK	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V	W
UC152	UC 152x152x23	UC 152x152x30	UC 152x152x37	<i>UC 152x152x44</i>	<i>UC 152x152x51</i>																
UC203	UC 203x203x46	UC 203x203x52	UC 203x203x60	UC 203x203x71	UC 203x203x86	<i>UC 203x203x100</i>	<i>UC 203x203x113</i>	<i>UC 203x203x127</i>													
UC254	UC 254x254x73	UC 254x254x89	UC 254x254x107	UC 254x254x132	UC 254x254x167																
UC305	UC 305x305x97	UC 305x305x118	UC 305x305x137	UC 305x305x158	UC 305x305x198	UC 305x305x240	UC 305x305x283														
UC356	UC 356x368x129	UC 356x368x153	UC 356x368x177	UC 356x369x202	UC 356x406x235	UC 356x406x287	UC 356x406x340	UC 356x406x393	UC 356x406x467	UC 356x406x509	UC 356x406x551	UC 356x406x592	UC 356x406x634	UC 356x340x677	UC 356x406x744	UC 356x406x818	UC 356x406x900	UC 356x406x990	UC 356x406x1086	UC 356x406x1202	UC 356x406x1299

NOTE: SECTIONS NOTED IN ITALICS ARE IN ADDITION TO THE RANGE OF BS EN 10365.

EQUAL ANGLE (EA)				
MARK	A	B	C	D
EA20	EA 20x20x3			
EA25	EA 25x25x3	EA 25x25x4		
EA30	EA 30x30x3	EA 30x30x4		
EA35	EA 35x35x4			
EA40	EA 40x40x4	EA 40x40x5		
EA45	EA 45x45x5			
EA50	EA 50x50x4	EA 50x50x5	EA 50x50x6	
EA60	EA 60x60x5	EA 60x60x6	EA 60x60x8	
EA65	EA 65x65x7			
EA70	EA 70x70x6	EA 70x70x7		
EA75	EA 75x75x6	EA 75x75x8		
EA80	EA 80x80x8	EA 80x80x10		
EA90	EA 90x90x7	EA 90x90x8	EA 90x90x10	<i>EA 90x90x12</i>
EA100	EA 100x100x8	EA 100x100x10	EA 100x100x12	<i>EA 100x100x15</i>
EA120	<i>EA 120x120x8</i>	EA 120x120x10	EA 120x120x12	<i>EA 120x120x15</i>
EA150	EA 150x150x10	EA 150x150x12	EA 150x150x15	<i>EA 150x150x18</i>
EA200	EA 200x200x16	EA 200x200x18	EA 200x200x20	EA 200x200x24

NOTE: SECTIONS NOTED IN ITALICS ARE IN ADDITION TO THE RANGE OF BS EN 10056-1.

UNEQUAL ANGLE (UEA)								
MARK	A	B	C	D	E	F	G	H
UEA30	UEA 30x20x3	UEA 30x20x4						
UEA40	UEA 40x20x4	UEA 40x25x4						
UEA45	UEA 45x30x4							
UEA50	UEA 50x30x5							
UEA60	UEA 60x30x5	UEA 60x40x5	UEA 60x40x6					
UEA65	UEA 65x50x5							
UEA70	UEA 70x50x6							
UEA75	UEA 75x50x6	UEA 75x50x8						
UEA80	UEA 80x40x6	UEA 80x40x8	UEA 80x60x7					
UEA100	UEA 100x50x6	UEA 100x50x8	<i>UEA 100x65x7</i>	<i>UEA 100x65x8</i>	<i>UEA 100x65x10</i>	UEA 100x75x8	UEA 100x75x10	UEA 100x75x12
UEA125	UEA 125x75x8	UEA 125x75x10	UEA 125x75x12					
UEA150	UEA 150x75x10	UEA 150x75x12	UEA 150x75x15	UEA 150x90x10	UEA 150x90x12	UEA 150x90x15		
UEA200	UEA 200x100x10	UEA 200x100x12	UEA 200x100x15	UEA 200x150x12	UEA 200x150x15	<i>UEA 200x150x18</i>		

NOTE: SECTIONS NOTED IN ITALICS ARE IN ADDITION TO THE RANGE OF BS EN 10056-1.

ASYMMETRIC BEAMS (ASB)					
MARK	A	B	C	D	E
ASB280	280ASB74	280ASB100	280ASB105	280ASB124	280ASB136
ASB300	300ASB153	300ASB155	300ASB185	300ASB196	300ASB249

STRUCTURAL TEE FROM UNIVERSAL BEAM (UBT)								
MARK	A	B	C	D	E	F	G	H
UBT102	T 102x127x11	T 102x127x13	T 102x127x14	T 102x152x13	T 102x152x14	T 102x152x17		
UBT127	T 127x152x19	T 127x152x21	T 127x152x24	T 127x178x17	T 127x178x20			
UBT133	T 133x102x13	T 133x102x15						
UBT140	T 140x203x20	T 140x203x23	<i>T 140x203x27</i>					
UBT146	T 146x127x16	T 146x127x19	T 146x127x22					
UBT152	T 152x229x26	T 152x229x30	T 152x229x34	T 152x229x37	T 152x229x41			
UBT165	T 165x152x20	T 165x152x23	T 165x152x27	<i>T 165x267x33</i>	<i>T 165x267x37</i>	<i>T 165x267x43</i>		
UBT171	T 171x178x23	T 171x178x26	T 171x178x29	T 171x178x34				
UBT178	T 178x203x27	T 178x203x30	T 178x203x34	T 178x203x37	<i>T 178x203x43</i>	<i>T 178x305x41</i>	<i>T 178x305x46</i>	<i>T 178x305x50</i>
UBT191	T 191x229x34	T 191x229x37	T 191x229x41	T 191x229x45	T 191x229x49	<i>T 191x229x53</i>	<i>T 191x229x67</i>	<i>T 191x229x81</i>
UBT210	T 210x267x41	T 210x267x46	T 210x267x51	T 210x267x55	T 210x267x61	<i>T 210x267x69</i>		
UBT229	T 229x305x51	T 229x305x57	T 229x305x63	T 229x305x70				
UBT254	T 254x343x63	<i>T 254x343x70</i>	<i>T 254x343x76</i>	<i>T 254x343x85</i>				
UBT267	<i>T 267x381x67</i>	<i>T 267x381x74</i>	<i>T 267x381x87</i>	<i>T 267x381x99</i>				
UBT292	<i>T 292x419x88</i>	<i>T 292x419x97</i>	<i>T 292x419x113</i>					
UBT305	T 305x305x75	T 305x305x90	T 305x305x119	<i>T 305x457x101</i>	<i>T 305x457x112</i>	<i>T 305x457x127</i>		
UBT312	<i>T 312x267x75</i>	<i>T 312x267x91</i>	<i>T 312x267x110</i>	<i>T 312x267x136</i>				

NOTE: SECTIONS NOTED IN ITALICS ARE IN ADDITION TO THE RANGE OF BS EN 10365.

STRUCTURAL TEE FROM UNIVERSAL COLUMN (UCT)								
MARK	A	B	C	D	E	F	G	H
UCT152	T 152x76x12	T 152x76x15	T 152x76x19	<i>T 152x76x22</i>	<i>T 152x76x26</i>			
UCT203	T 203x102x23	T 203x102x26	T 203x102x30	T 203x102x36	T 203x102x43	<i>T 203x102x50</i>	<i>T 203x102x57</i>	<i>T 203x102x64</i>
UCT254	T 254x127x37	T 254x127x45	T 254x127x54	T 254x127x66	T 254x127x84			
UCT305	T 305x152x49	T 305x152x59	T 305x152x69	T 305x152x79				

NOTE: SECTIONS NOTED IN ITALICS ARE IN ADDITION TO THE RANGE OF BS EN 10365.

P02	PLANNING & LBC ISSUE	16/12	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12	JC	PM
Rev	Description	Date	By Chk	App

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STE

RECTANGULAR HOLLOW SECTION (RHS) (HOT FINISHED)																		
MARK	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T
RHS50	RHS 50x30x2.9	RHS 50x30x3.2	RHS 50x30x4.0	RHS 50x30x5.0	RHS 50x30x6.3													
RHS60	RHS 60x40x2.9	RHS 60x40x3.2	RHS 60x40x4.0	RHS 60x40x5.0	RHS 60x40x6.3	<i>RHS 60x40x8.0</i>												
RHS80	RHS 80x40x2.9	RHS 80x40x3.2	RHS 80x40x4.0	RHS 80x40x5.0	RHS 80x40x6.3	RHS 80x40x8.0												
RHS90	RHS 90x50x3.2	RHS 90x50x4.0	RHS 90x50x5.0	RHS 90x50x6.3	RHS 90x50x8.0													
RHS100	RHS 100x50x3.2	RHS 100x50x4.0	RHS 100x50x5.0	RHS 100x50x6.3	RHS 100x50x8.0	RHS 100x50x10.0	RHS 100x60x3.2	RHS 100x60x4.0	RHS 100x60x5.0	RHS 100x60x6.3	RHS 100x60x8.0	RHS 100x60x10.0						
RHS120	RHS 120x60x3.6	RHS 120x60x4.0	RHS 120x60x5.0	RHS 120x60x6.3	RHS 120x60x8.0	RHS 120x60x10.0	RHS 120x80x4.0	RHS 120x80x5.0	RHS 120x80x6.3	RHS 120x80x8.0	RHS 120x80x10.0							
RHS150	RHS 150x100x5.0	RHS 150x100x6.3	RHS 150x100x8.0	RHS 150x100x10.0	RHS 150x100x12.5													
RHS160	RHS 160x80x5.0	RHS 160x80x6.3	RHS 160x80x8.0	RHS 160x80x10.0	RHS 160x80x12.5													
RHS180	<i>RHS 180x100x5.0</i>	RHS 180x100x6.3	RHS 180x100x8.0	RHS 180x100x10.0	RHS 180x100x12.5													
RHS200	RHS 200x100x5.0	RHS 200x100x6.3	RHS 200x100x8.0	RHS 200x100x10.0	RHS 200x100x12.5	RHS 200x100x16.0	RHS 200x120x5.0	RHS 200x120x6.3	RHS 200x120x8.0	RHS 200x120x10.0	RHS 200x120x12.5	RHS 200x120x16.0	<i>RHS 200x150x5.0</i>	RHS 200x150x6.3	RHS 200x150x8.0	RHS 200x150x10.0	RHS 200x150x12.5	RHS 200x150x16.0
RHS220	RHS 220x120x8.0	RHS 220x120x10.0	RHS 220x120x12.5	RHS 220x120x16.0														
RHS250	<i>RHS 250x100x5.0</i>	RHS 250x100x6.3	RHS 250x100x8.0	RHS 250x100x10.0	RHS 250x100x12.5	RHS 250x100x16.0	RHS 250x150x5.0	RHS 250x150x6.3	RHS 250x150x8.0	RHS 250x150x10.0	RHS 250x150x12.5	RHS 250x150x16.0						
RHS260	RHS 260x140x5.0	RHS 260x140x6.3	RHS 260x140x8.0	RHS 260x140x10.0	RHS 260x140x12.5	RHS 260x140x16.0												
RHS300	RHS 300x100x5.0	RHS 300x100x6.3	RHS 300x100x8.0	RHS 300x100x10.0	RHS 300x100x12.5	RHS 300x100x16.0	<i>RHS 300x200x5.0</i>	RHS 300x200x6.3	RHS 300x200x8.0	RHS 300x200x10.0	RHS 300x200x12.5	RHS 300x200x16.0	<i>RHS 300x250x6.3</i>	<i>RHS 300x250x8.0</i>	<i>RHS 300x250x10.0</i>	<i>RHS 300x250x12.5</i>	<i>RHS 300x250x16.0</i>	
RHS350	<i>RHS 350x150x5.0</i>	RHS 350x150x6.3	RHS 350x150x8.0	RHS 350x150x10.0	RHS 350x150x12.5	RHS 350x150x16.0	<i>RHS 350x200x6.3</i>	<i>RHS 350x200x8.0</i>	<i>RHS 350x200x10.0</i>	<i>RHS 350x200x12.5</i>	<i>RHS 350x200x16.0</i>	RHS 350x250x6.3	RHS 350x250x8.0	RHS 350x250x10.0	RHS 350x250x12.5	RHS 350x250x16.0		
RHS400	<i>RHS 400x150x6.3</i>	<i>RHS 400x150x8.0</i>	<i>RHS 400x150x10.0</i>	<i>RHS 400x150x12.5</i>	<i>RHS 400x150x16.0</i>	RHS 400x200x6.3	RHS 400x200x8.0	RHS 400x200x10.0	RHS 400x200x12.5	RHS 400x200x16.0	RHS 400x300x8.0	RHS 400x300x10.0	RHS 400x300x12.5	RHS 400x300x16.0				
RHS450	<i>RHS 450x150x8.0</i>	<i>RHS 450x150x10.0</i>	<i>RHS 450x150x12.5</i>	<i>RHS 450x150x16.0</i>	RHS 450x250x8.0	RHS 450x250x10.0	RHS 450x250x12.5	RHS 450x250x16.0										
RHS500	RHS 500x200x8.0	RHS 500x200x10.0	RHS 500x200x12.5	RHS 500x200x16.0	RHS 500x300x8.0	RHS 500x300x10.0	RHS 500x300x12.5	RHS 500x300x16.0										

CIRCULAR HOLLOW SECTION (CHS) (HOT FINISHED)							
MARK	A	B	C	D	E	F	G
CHS21	CHS 21.3x3.2						
CHS26	CHS 26.9x3.2						
CHS33	CHS 33.7x3.2	CHS 33.7x4.0					
CHS42	CHS 42.4x3.2	CHS 42.4x4.0					
CHS48	CHS 48.3x3.2	CHS 48.3x4.0	CHS 48.3x5.0	CHS 48.3x6.3			
CHS60	CHS 60.3x3.2	CHS 60.3x4.0	CHS 60.3x5.0	CHS 60.3x6.3	<i>CHS 60.3x8.0</i>		
CHS76	CHS 76.1x2.9	CHS 76.1x3.2	CHS 76.1x4.0	CHS 76.1x5.0	CHS 76.1x6.3	<i>CHS 76.1x8.0</i>	
CHS88	CHS 88.9x3.2	CHS 88.9x4.0	CHS 88.9x5.0	CHS 88.9x6.3	<i>CHS 88.9x8.0</i>	CHS 88.9x10.0	
CHS114	CHS 114.3x3.6	CHS 114.3x4.0	CHS 114.3x5.0	CHS 114.3x6.3	<i>CHS 114.3x8.0</i>	CHS 114.3x10.0	
CHS139	<i>CHS 139.7x3.6</i>	<i>CHS 139.7x4.0</i>	CHS 139.7x5.0	CHS 139.7x6.3	CHS 139.7x8.0	CHS 139.7x10.0	
CHS168	CHS 168.3x5.0	CHS 168.3x6.3	CHS 168.3x8.0	CHS 168.3x10.0	CHS 168.3x12.5		
CHS193	CHS 193.7x5.0	CHS 193.7x6.3	CHS 193.7x8.0	CHS 193.7x10.0	CHS 193.7x12.5	<i>CHS 193.7x16.0</i>	
CHS219	CHS 219.1x5.0	CHS 219.1x6.3	CHS 219.1x8.0	CHS 219.1x10.0	CHS 219.1x12.5	CHS 219.1x16.0	
CHS244	<i>CHS 244.5x5.0</i>	<i>CHS 244.5x6.3</i>	<i>CHS 244.5x8.0</i>	<i>CHS 244.5x10.0</i>	<i>CHS 244.5x12.5</i>	<i>CHS 244.5x16.0</i>	
CHS273	CHS 273x5.0	CHS 273x6.3	CHS 273x8.0	CHS 273x10.0	CHS 273x12.5	CHS 273x16.0	
CHS323	<i>CHS 323.9x5.0</i>	CHS 323.9x6.3	CHS 323.9x8.0	CHS 323.9x10.0	CHS 323.9x12.5	CHS 323.9x16.0	
CHS355	<i>CHS 355.6x6.3</i>	<i>CHS 355.6x8.0</i>	<i>CHS 355.6x10.0</i>	<i>CHS 355.6x12.5</i>	<i>CHS 355.6x16.0</i>		
CHS406	CHS 406.4x10.0	CHS 406.4x12.5	CHS 406.4x16.0				
CHS457	CHS 457x10.0	CHS 457x12.5	CHS 457x16.0				
CHS508	CHS 508x10.0	CHS 508x12.5	CHS 508x16.0				

SQUARE HOLLOW SECTION (SHS) (HOT FINISHED)							
MARK	A	B	C	D	E	F	G
SHS40	SHS 40x40x2.9	SHS 40x40x3.2	SHS 40x40x4.0	SHS 40x40x5.0	SHS 40x40x6.3		
SHS50	SHS 50x50x2.9	SHS 50x50x3.2	SHS 50x50x4.0	SHS 50x50x5.0	SHS 50x50x6.3	<i>SHS 50x50x8.0</i>	
SHS60	SHS 60x60x2.9	SHS 60x60x3.2	SHS 60x60x4.0	SHS 60x60x5.0	SHS 60x60x6.3	SHS 60x60x8.0	
SHS70	SHS 70x70x3.2	SHS 70x70x4.0	SHS 70x70x5.0	SHS 70x70x6.3	SHS 70x70x8.0		
SHS80	SHS 80x80x3.2	SHS 80x80x4.0	SHS 80x80x5.0	SHS 80x80x6.3	SHS 80x80x8.0	SHS 80x80x10.0	
SHS90	SHS 90x90x4.0	SHS 90x90x5.0	SHS 90x90x6.3	SHS 90x90x8.0	SHS 90x90x10.0		
SHS100	SHS 100x100x4.0	SHS 100x100x5.0	SHS 100x100x6.3	SHS 100x100x8.0	SHS 100x100x10.0		
SHS120	SHS 120x120x5.0	SHS 120x120x6.3	SHS 120x120x8.0	SHS 120x120x10.0	SHS 120x120x12.5		
SHS140	SHS 140x140x5.0	SHS 140x140x6.3	SHS 140x140x8.0	SHS 140x140x10.0	SHS 140x140x12.5	SHS 140x140x16.0	
SHS150	SHS 150x150x5.0	SHS 150x150x6.3	SHS 150x150x8.0	SHS 150x150x10.0	SHS 150x150x12.5	SHS 150x150x16.0	
SHS160	SHS 160x160x5.0	SHS 160x160x6.3	SHS 160x160x8.0	SHS 160x160x10.0	SHS 160x160x12.5	SHS 160x160x16.0	
SHS180	SHS 180x180x6.3	SHS 180x180x8.0	SHS 180x180x10.0	SHS 180x180x12.5	SHS 180x180x16.0		
SHS200	SHS 200x200x5.0	SHS 200x200x6.3	SHS 200x200x8.0	SHS 200x200x10.0	SHS 200x200x12.5	SHS 200x200x16.0	
SHS250	<i>SHS 250x250x5.0</i>	<i>SHS 250x250x6.3</i>	<i>SHS 250x250x8.0</i>	<i>SHS 250x250x10.0</i>	<i>SHS 250x250x12.5</i>	<i>SHS 250x250x16.0</i>	
SHS300	SHS 300x300x6.3	SHS 300x300x8.0	SHS 300x300x10.0	SHS 300x300x12.5	SHS 300x300x16.0		
SHS350	SHS 350x350x8.0	SHS 350x350x10.0	SHS 350x350x12.5	SHS 350x350x16.0			
SHS400	SHS 400x400x8.0	SHS 400x400x10.0	SHS 400x400x12.5	SHS 400x400x16.0			

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NOTE:
ADDITIONAL ALLOWANCE TO BE MADE FOR STIFFENERS AND CONNECTIONS BY CONTRACTOR.
BEAM WEIGHTS ARE GROSS WEIGHTS (I.E. DO NO ACCOUNT FOR OPENINGS, WELDS, STIFFENERS AND CONNECTIONS).

NOTE:
ALLOW FOR SHEAR STUDS FOR COMPOSITE BEAM ACTION FOR ALL BEAMS THAT HAVE SLAB PASSING OVER THEM, UNLESS NOTED OTHERWISE ON SPECIFIC DRAWINGS.

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P01	PRELIMINARY DRAFT ISSUE	02/12 2022	JC AC	PM
Rev	Description	Date	By Cnk	App

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THE GEORGE HOTEL
 HUDDERSFIELD



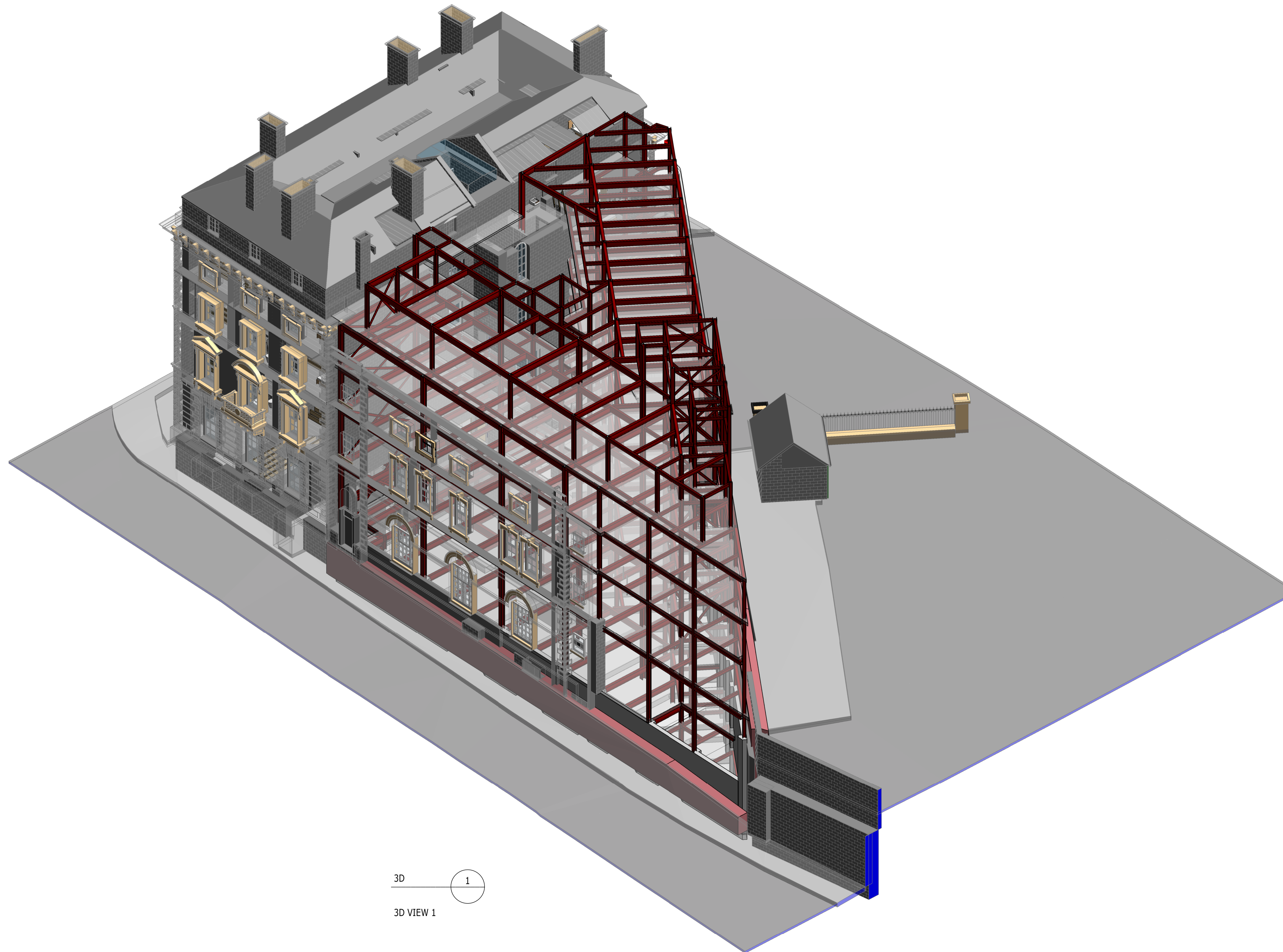
STEELWORK REFERENCE
 SCHEDULE - SHEET 2

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	N/A	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-XX-DR-S-00016	P02		

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3D 1
3D VIEW 1

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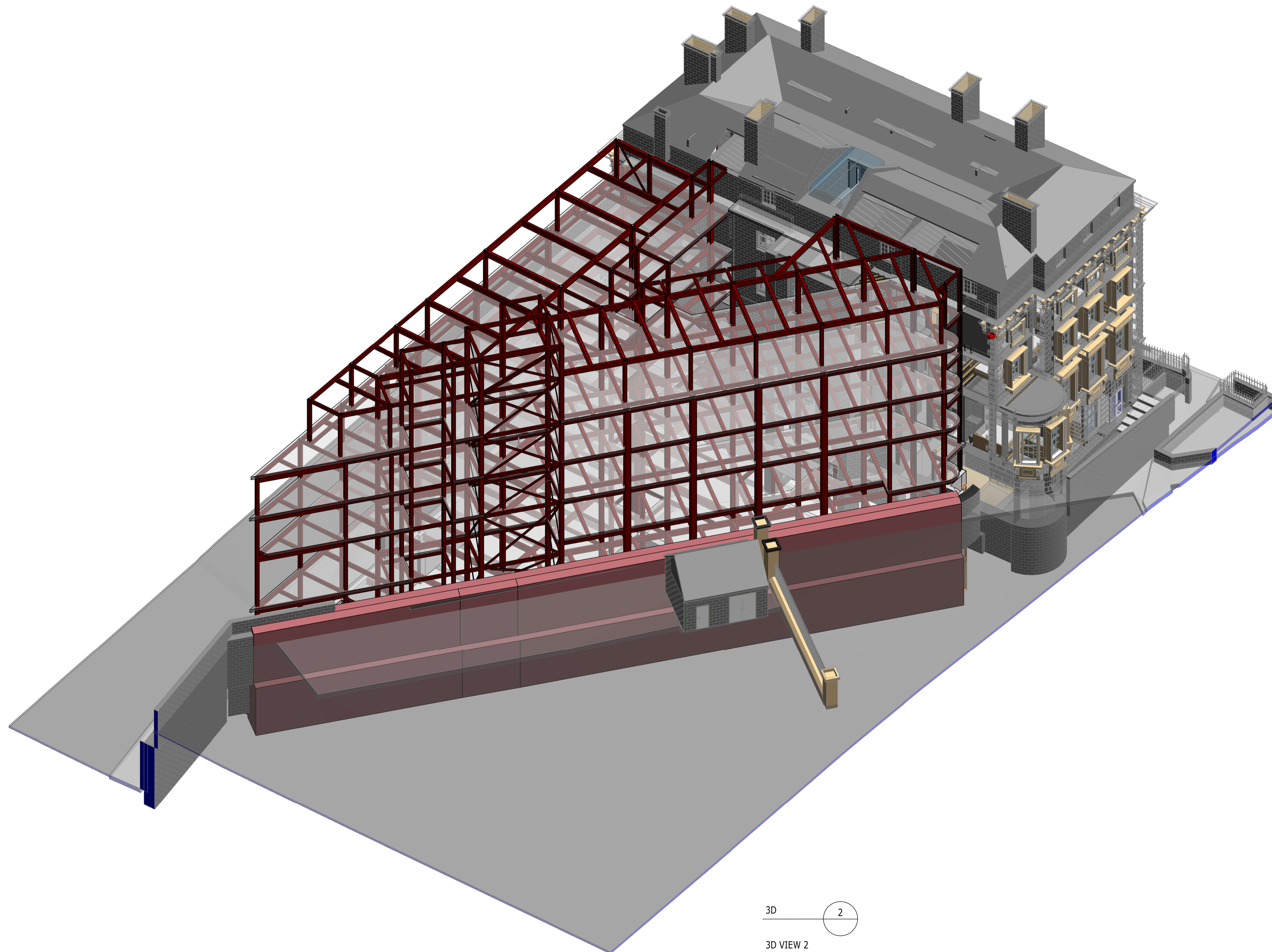
3D ISOMETRIC VIEWS
SHEET 1

Project No: 1620014217	Scale (@ A1): NTS	Date: NOV'22	Drawn: JC
Drawing No: 4217-RAM-ZZ-ZZ-DR-S-00030	Rev: P02		

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3D 2
3D VIEW 2

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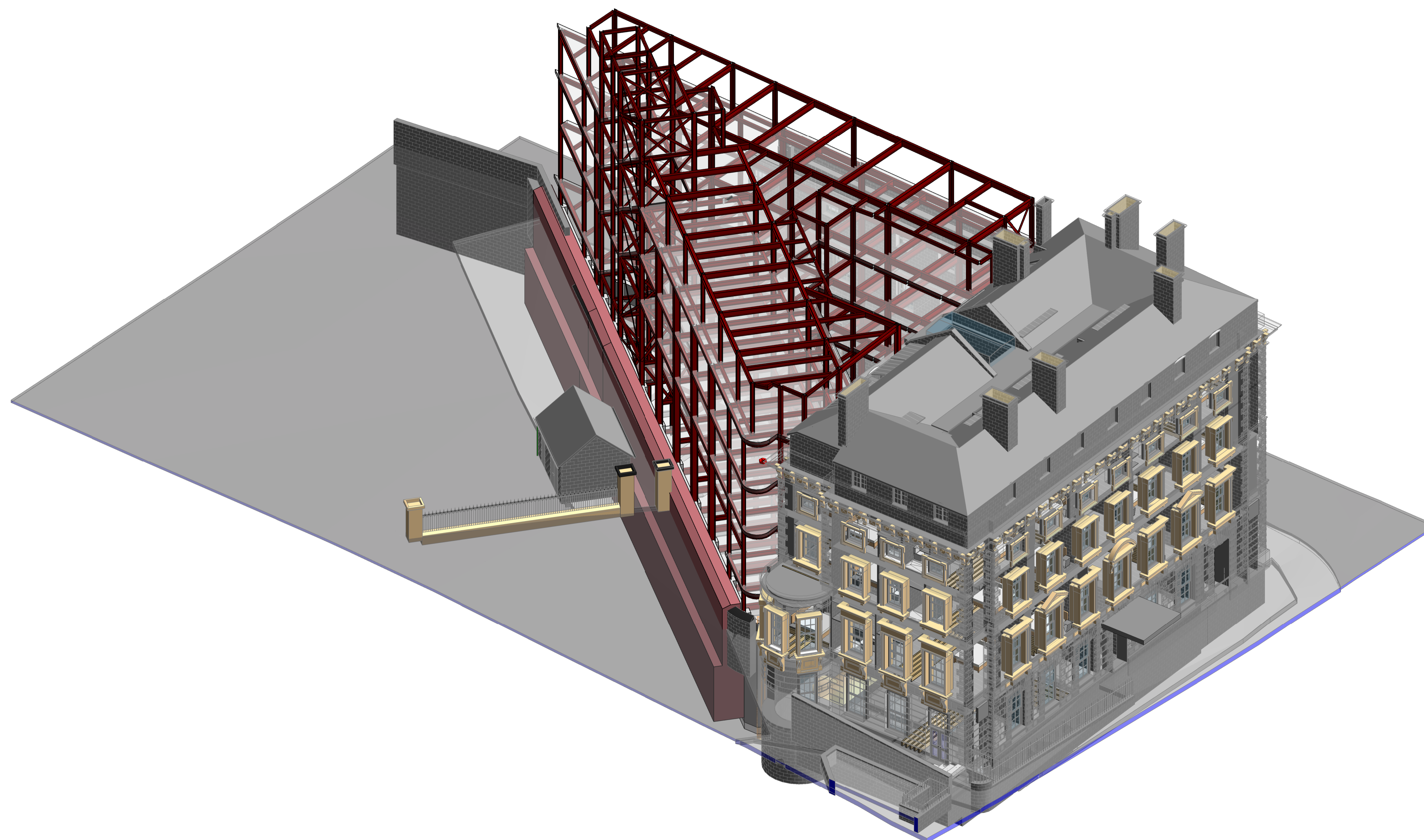
3D ISOMETRIC VIEWS
SHEET 2

Project No: 1620014217	Scale (@ A1): NTS	Date: NOV'22	Drawn: JC
Drawing No: 4217-RAM-ZZ-ZZ-DR-S-00031	Rev: P02		

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3D 3
3D VIEW 3

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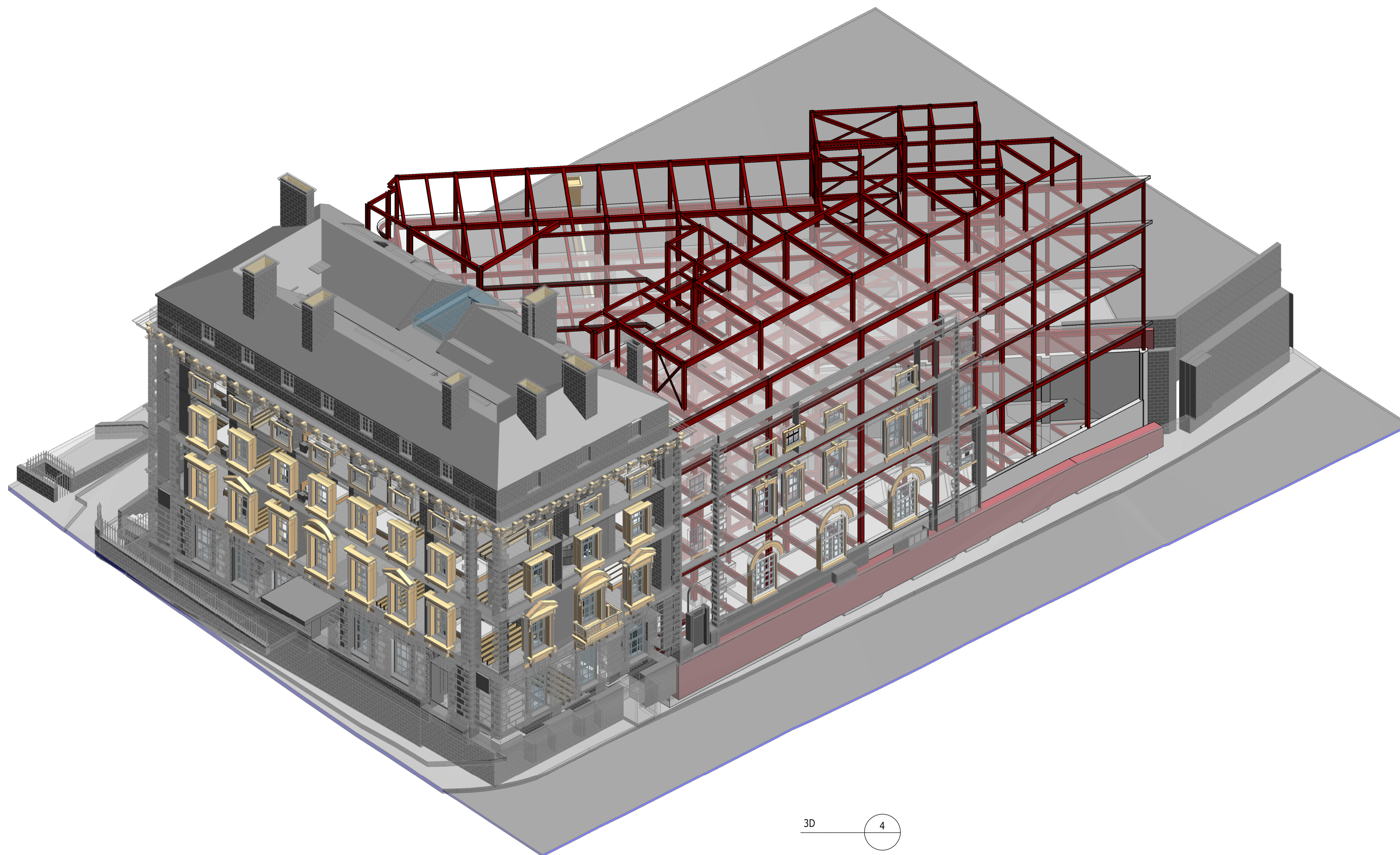
3D ISOMETRIC VIEWS
SHEET 3

Project No: 1620014217	Scale (@ A1): NTS	Date: NOV'22	Drawn: JC
Drawing No: 4217-RAM-ZZ-ZZ-DR-S-00032	Rev: P02		

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3D
3D VIEW 4

4

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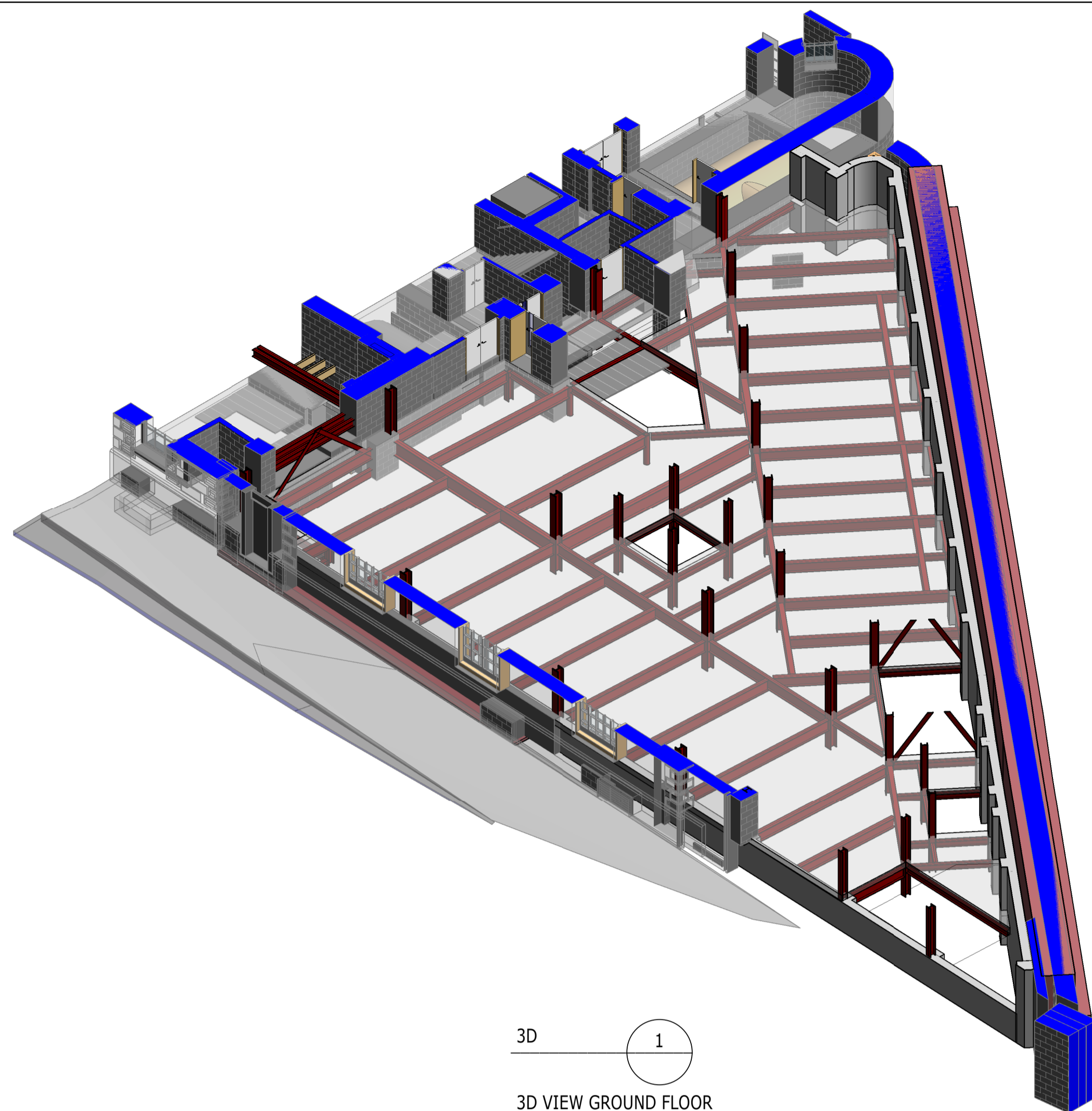
3D ISOMETRIC VIEWS
SHEET 4

Project No:	Scale (@ A1):	Date:	Drawn:
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Drawing No:	Rev:		
4217-RAM-ZZ-ZZ-DR-S-00033	P02		

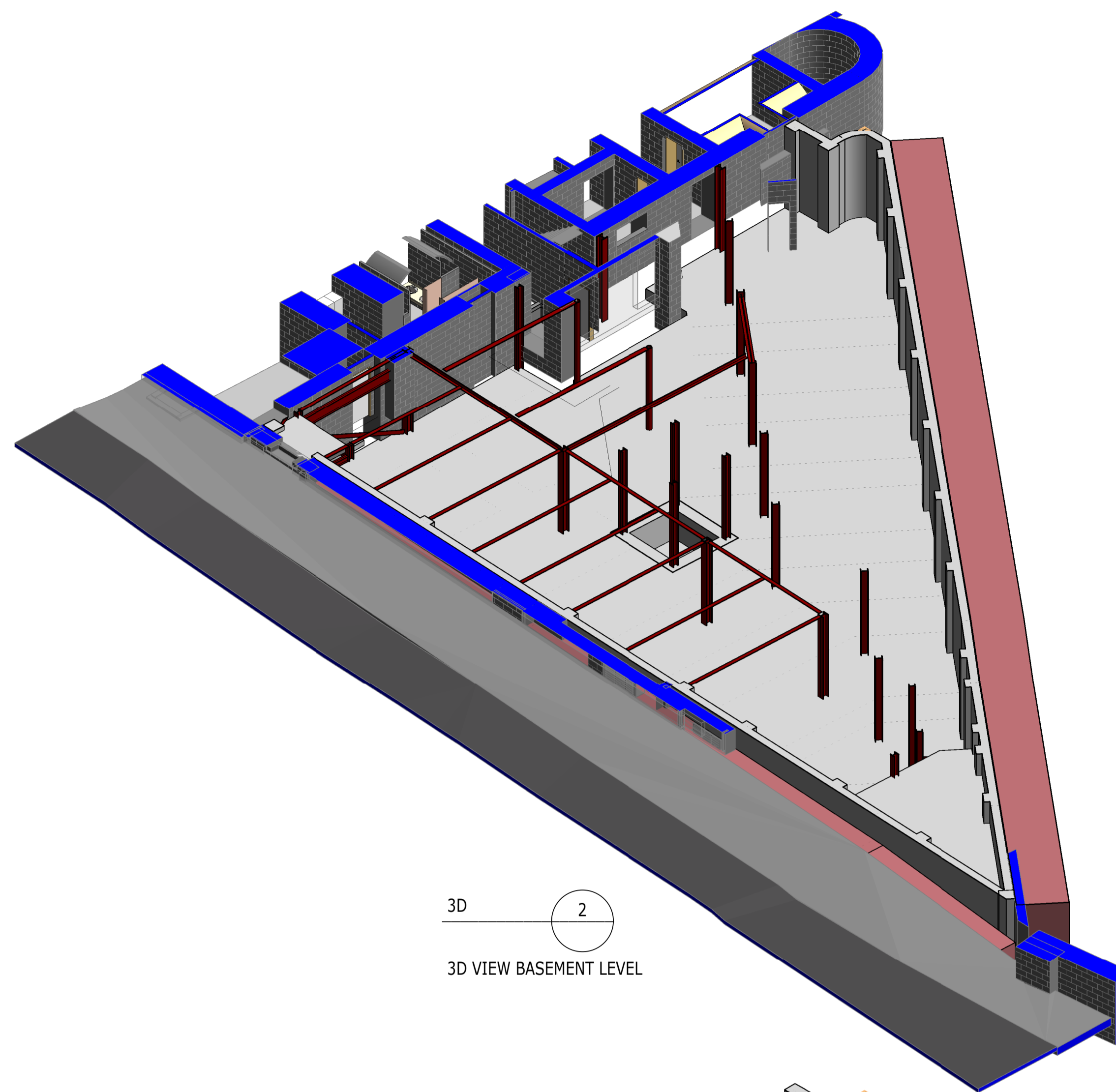
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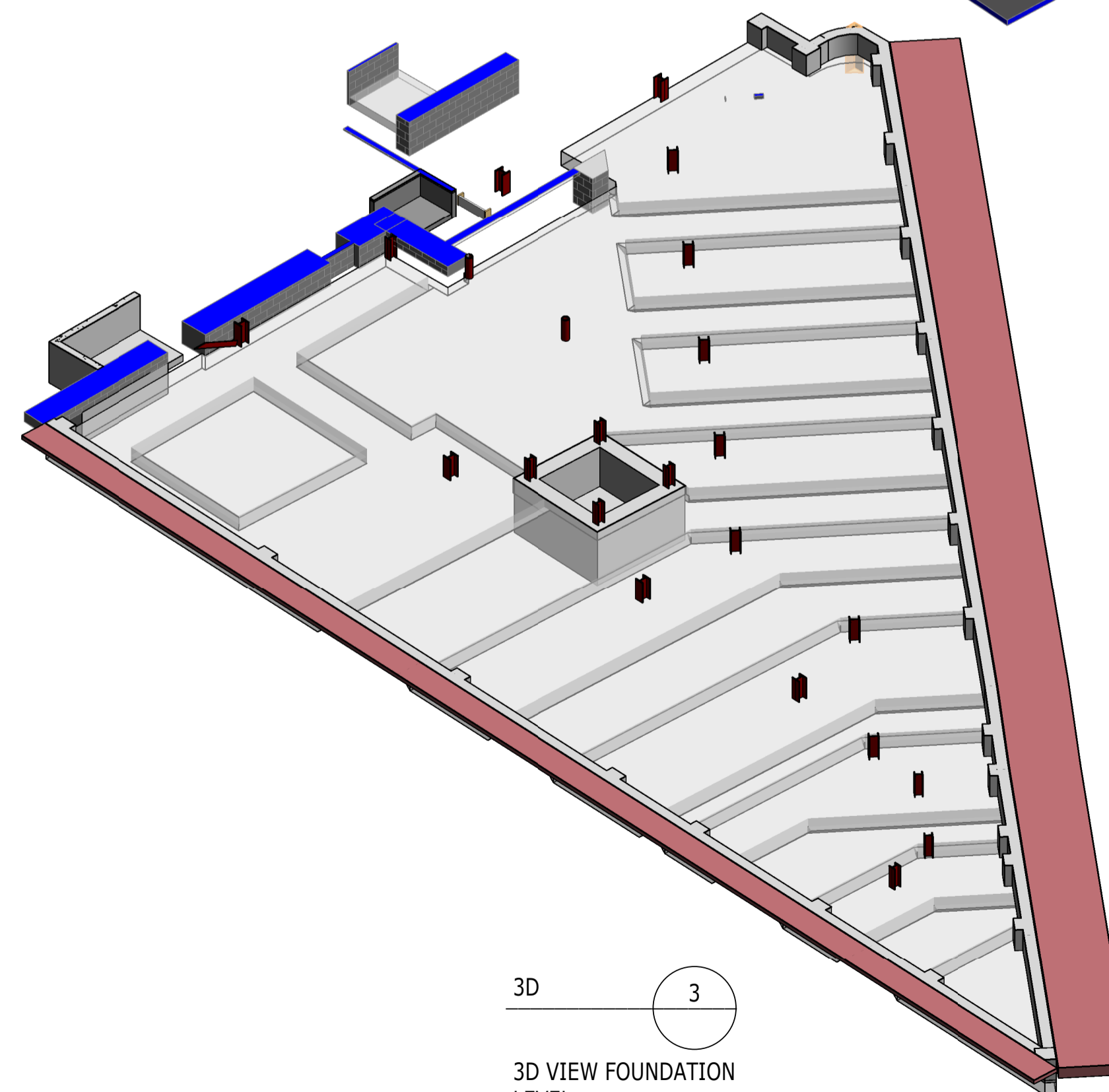
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3D 1
3D VIEW GROUND FLOOR LEVEL



3D 2
3D VIEW BASEMENT LEVEL



3D 3
3D VIEW FOUNDATION LEVEL

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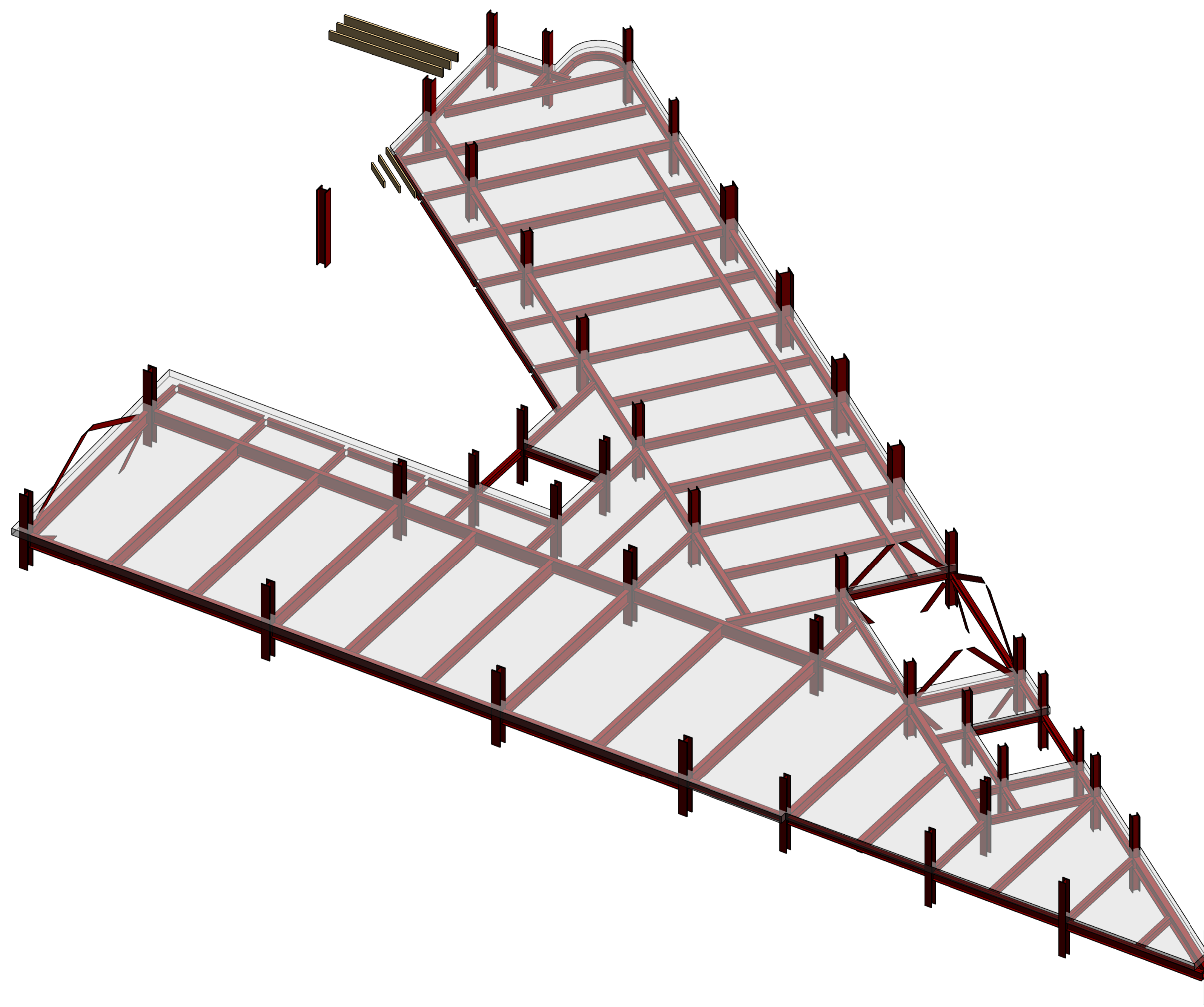
3D ISOMETRIC VIEWS
SHEET 5

Project No: 1620014217	Scale (@ A1): NTS	Date: NOV'22	Drawn: JC
Drawing No: 4217-RAM-ZZ-ZZ-DR-S-00034	Rev: P02		

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3D 1
3D VIEW TYPICAL FLOOR LEVEL

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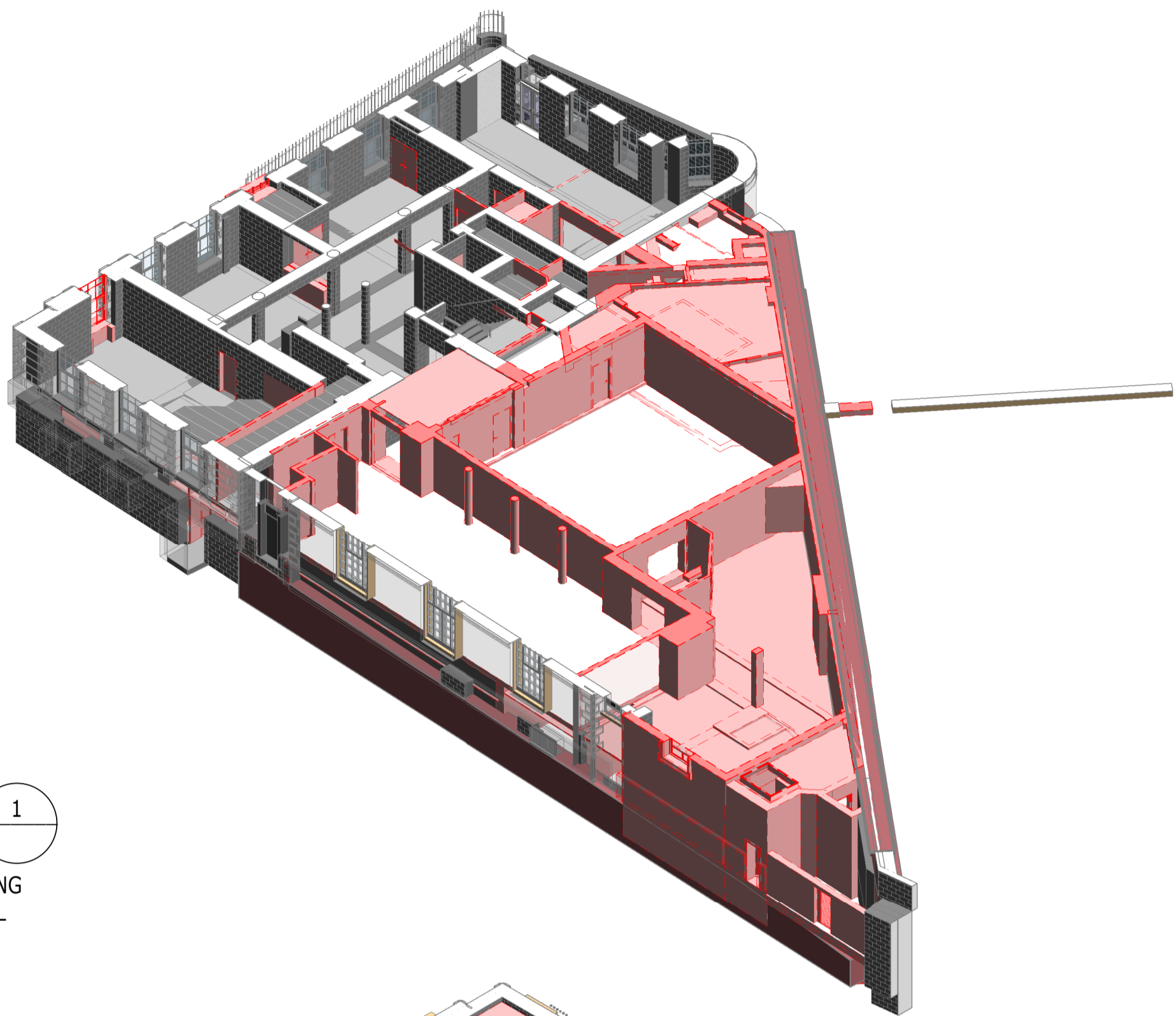
3D ISOMETRIC VIEWS
SHEET 6
TYPICAL FLOOR

Project No: 1620014217	Scale (@ A1): NTS	Date: NOV'22	Drawn: JC
Drawing No: 4217-RAM-ZZ-ZZ-DR-S-00035	Rev: P02		

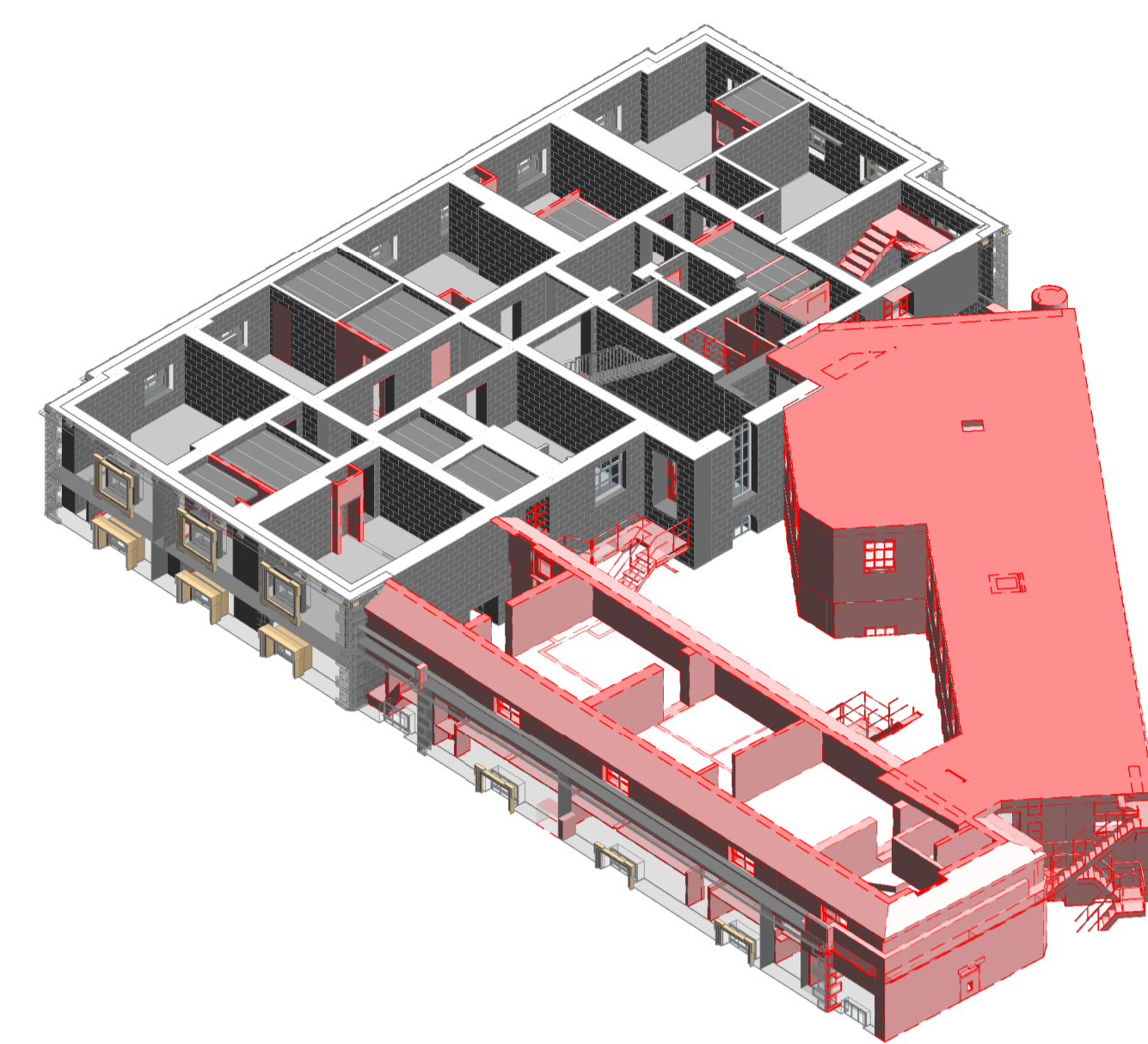
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VIBRATION MONITORING TO BE IN PLACE THROUGHOUT DURATION OF THE WORKS TO ENSURE INTEGRITY OF EXISTING STRUCTURES TO REMAIN DO NOT BECOME COMPROMISED. VIBRATION LEVELS TO BE CONFIRMED.

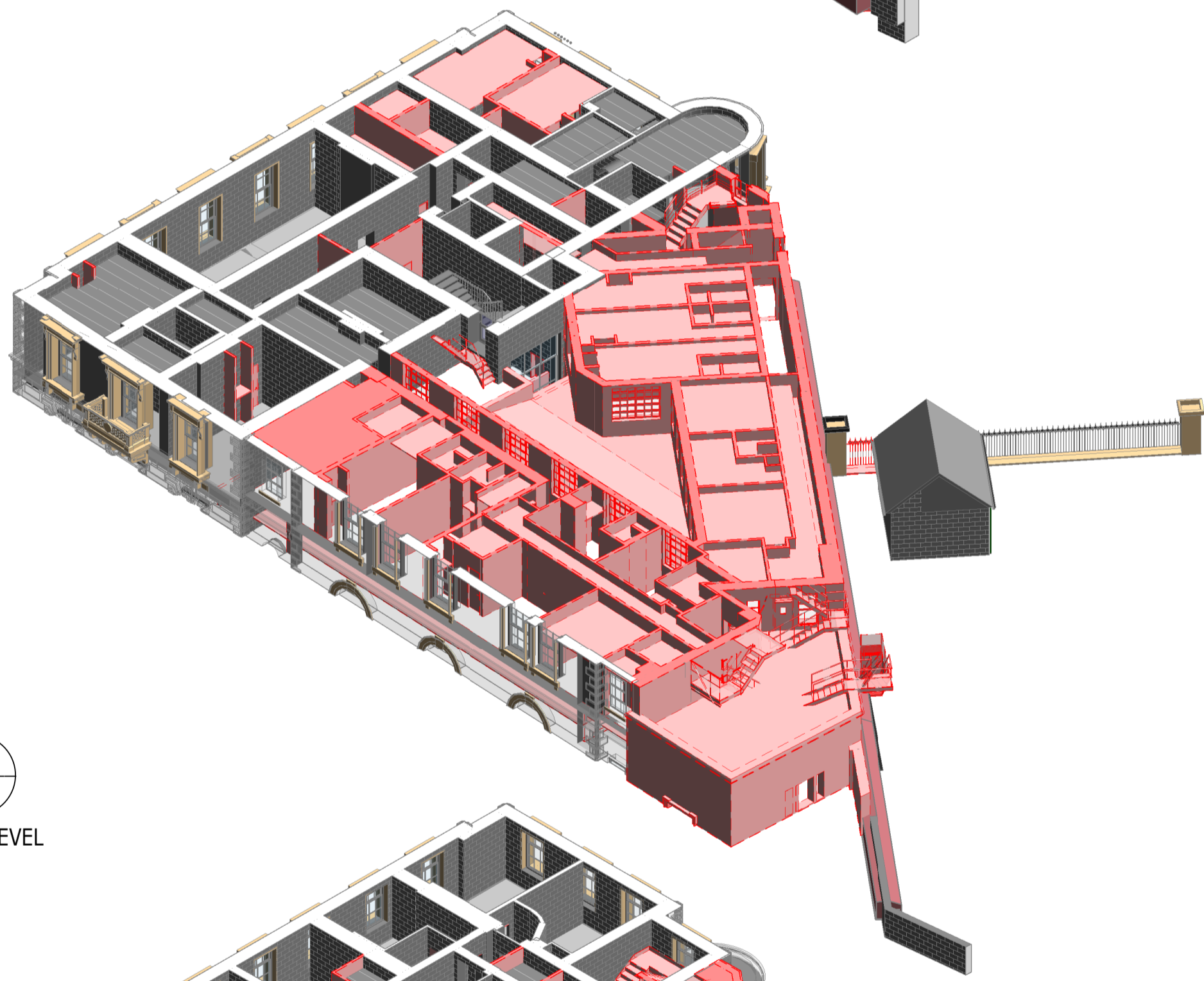
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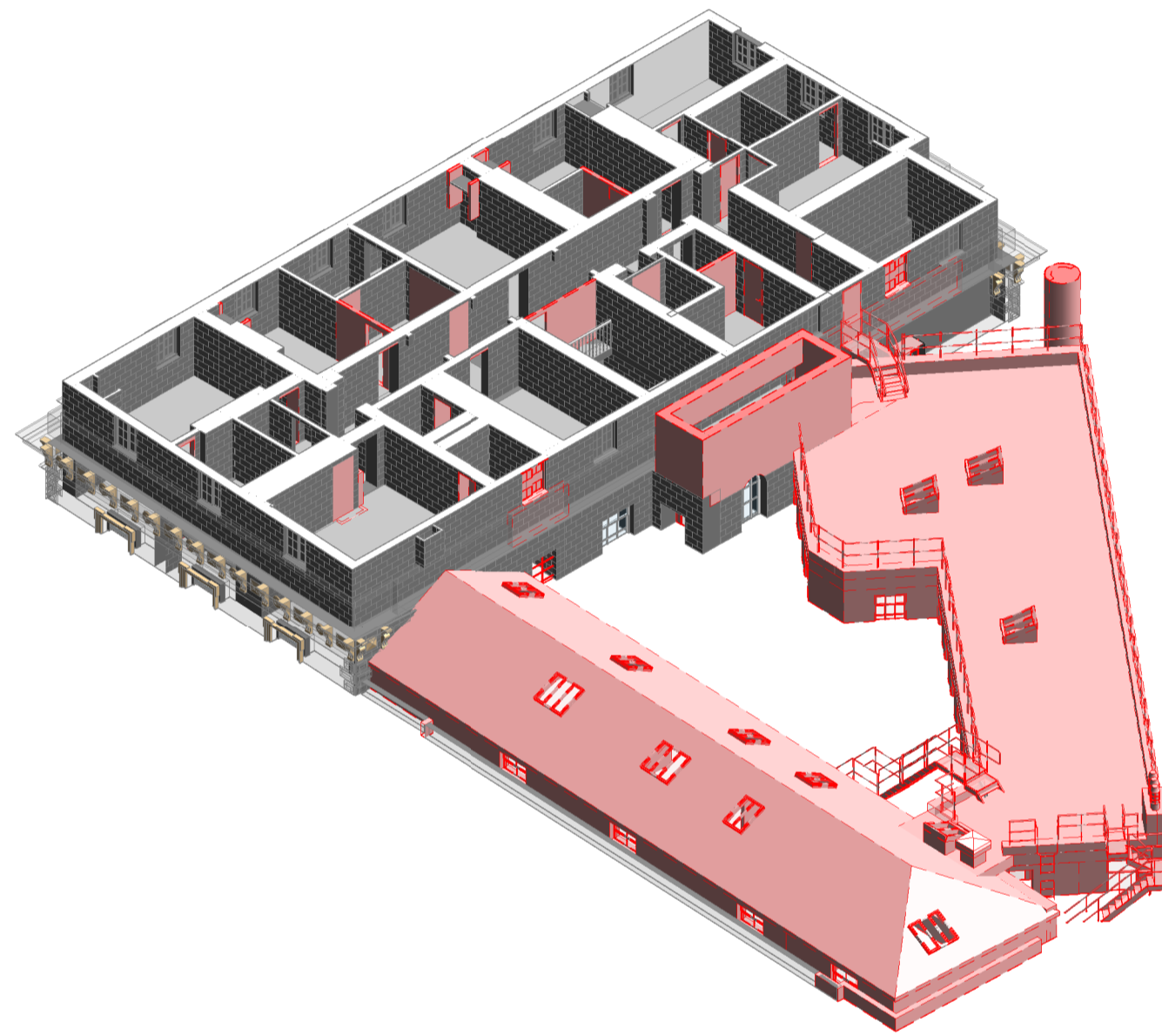
3D 1
3D VIEW EXISTING BASEMENT LEVEL DEMOLITION



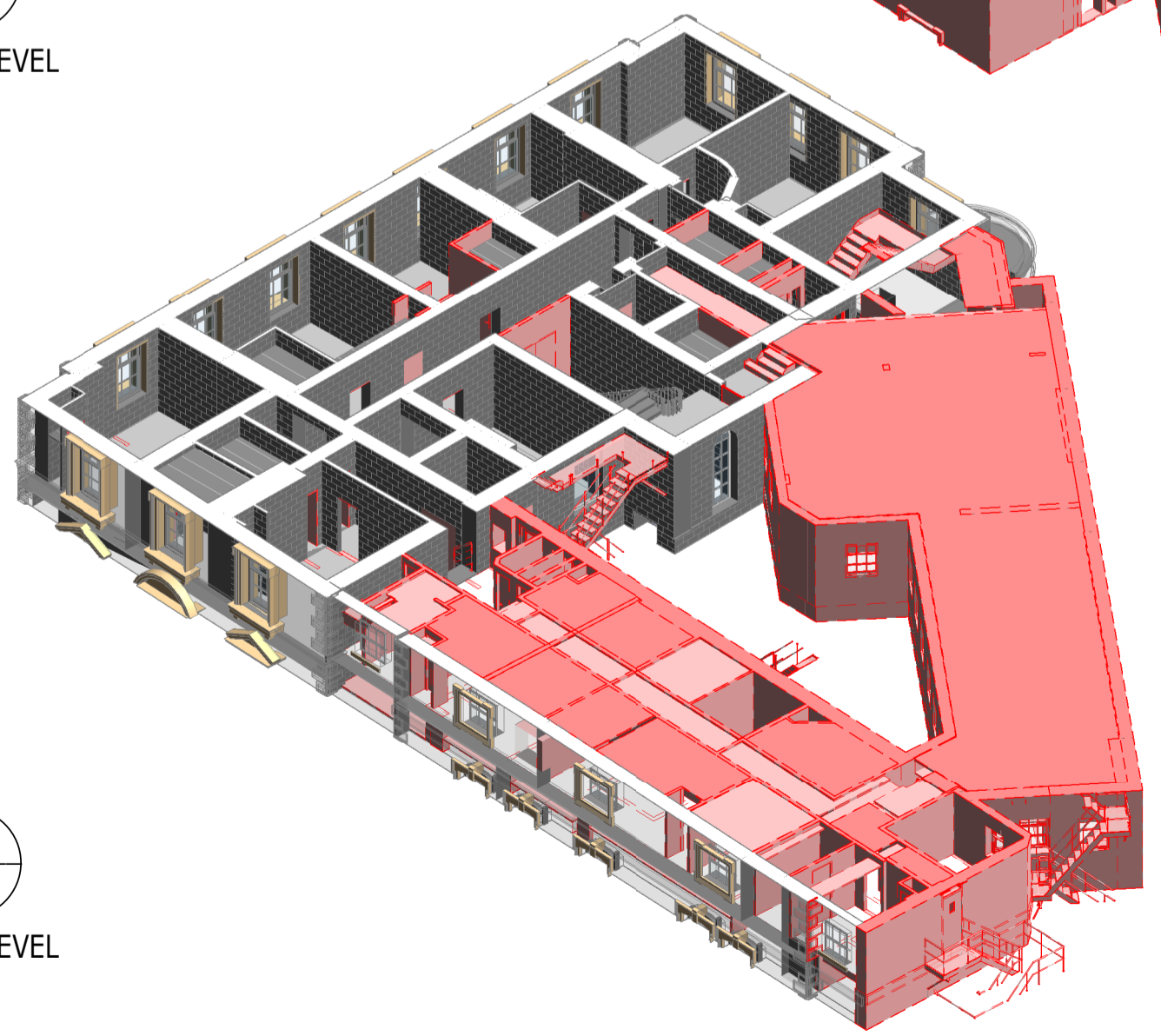
3D 4
3D VIEW EXISTING LEVEL 02 DEMOLITION



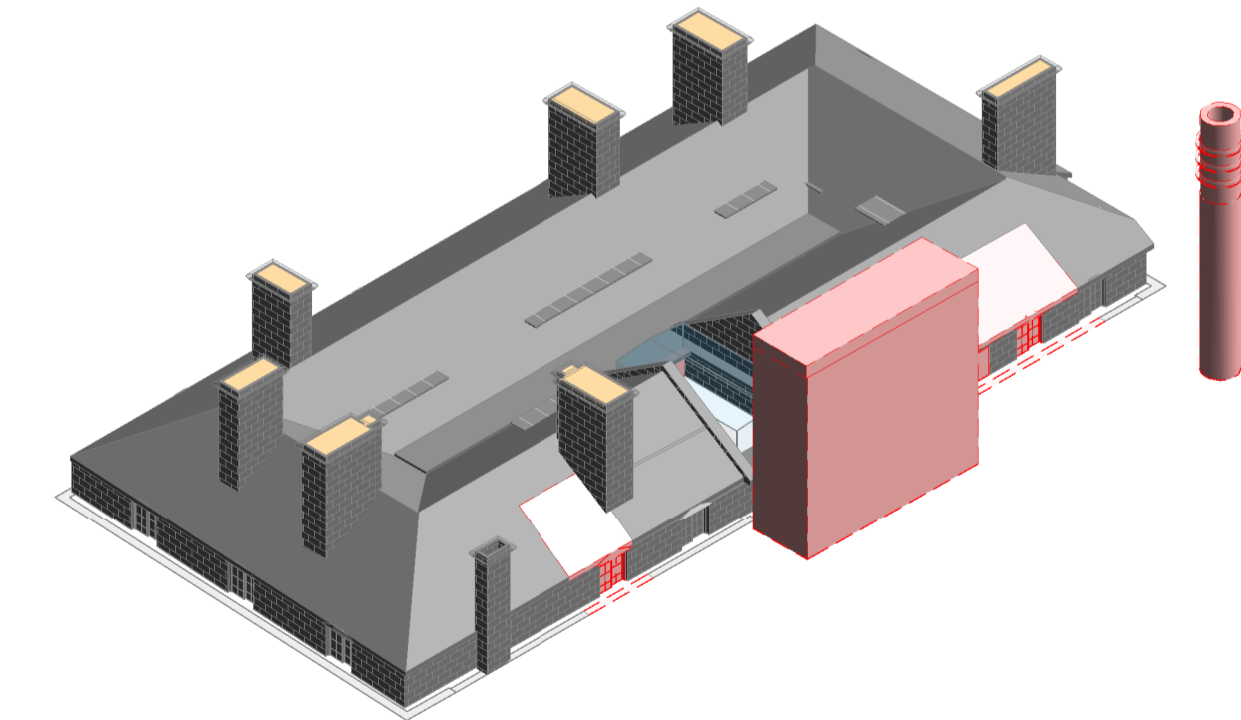
3D 2
3D VIEW EXISTING LEVEL 00 DEMOLITION



3D 5
3D VIEW EXISTING LEVEL 03 DEMOLITION



3D 3
3D VIEW EXISTING LEVEL 01 DEMOLITION



3D 6
3D VIEW EXISTING ROOF DEMOLITION

P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
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3D ISOMETRIC VIEWS
SHEET 7
DEMOLITION

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	NTS	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-ZZ-DR-S-00036	P02		

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DIMENSIONS AND SETTING OUT TO BE CONFIRMED BY ARCHITECT

FOR TYPICAL UNDERPINNING DETAILS REFER TO DRAWING 4217-RAM-ZZ-FN-DR-S-00561

THESE NOTES ARE BASED ON THE USE OF EXPERIENCED AND COMPETENT CONTRACTORS CARRYING OUT THE WORK USING AN APPROVED SAFE METHOD OF WORKING

WHERE RAMBOLL CDM HAZARD SYMBOLS (SUMMARIZED BELOW) ARE FOUND ON THE DRAWINGS, REFERENCE MUST BE MADE TO XXXX-XXX-XX-XX-X-XXXX. CHECK THE UNIQUE CDM ID IN THE TEXT NEXT TO THE SYMBOL FORMATTED: RAM-###

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

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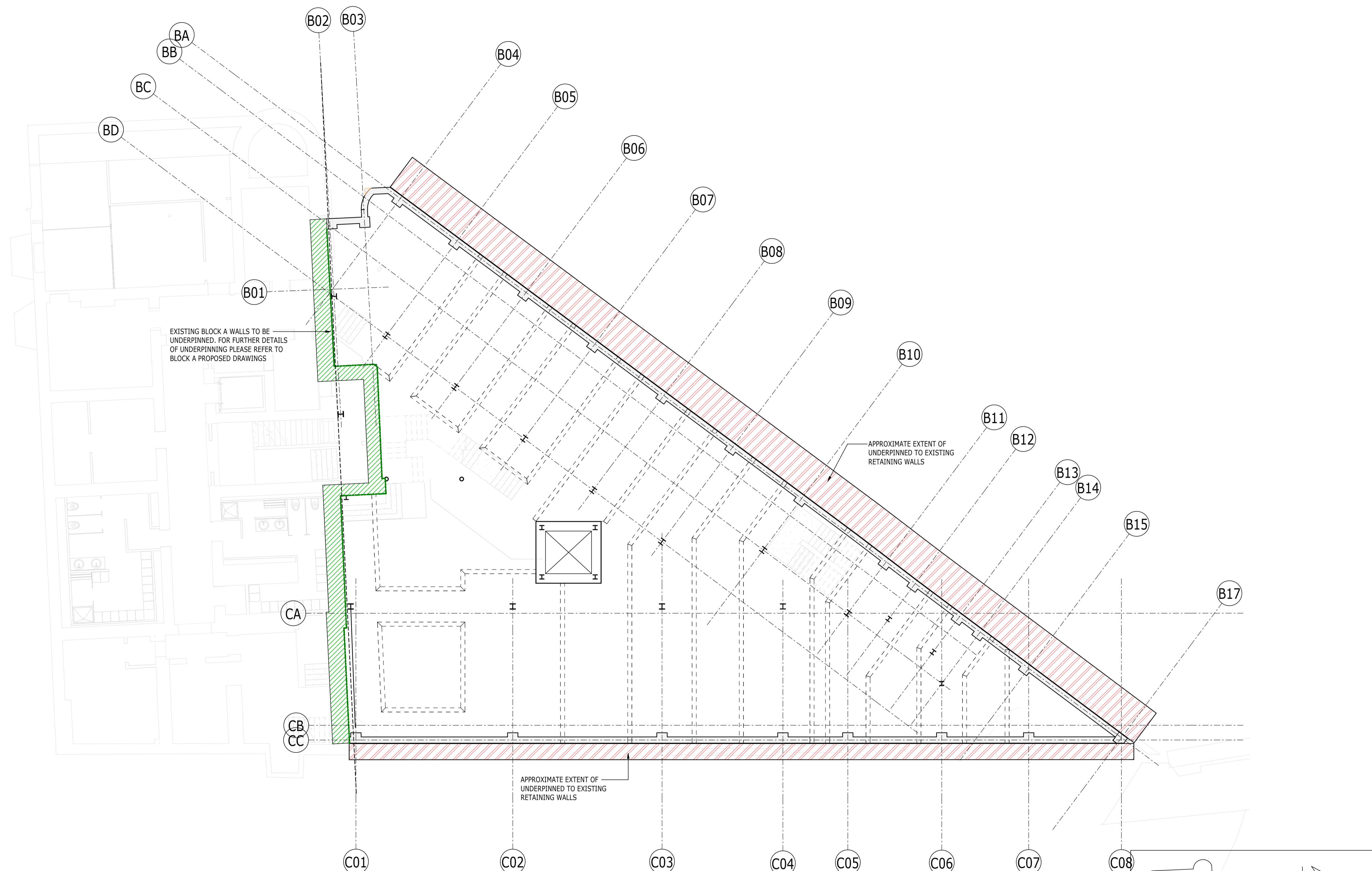
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EXISTING FOUNDATION
EXTENT OF UNDERPINNING GA

Project No:	Scale (@ A1):	Date:	Drawn:
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Drawing No:	Rev:		
4217-RAM-ZZ-FN-DR-S-00090	P02		

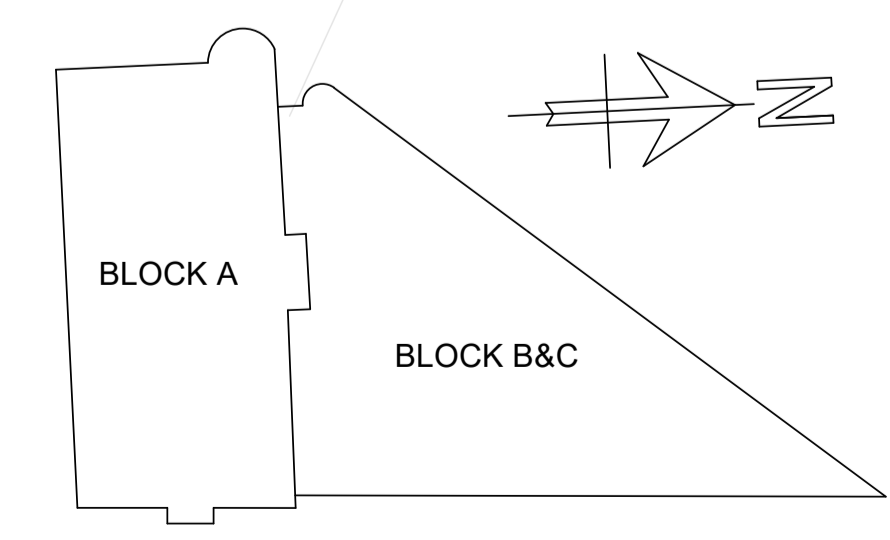


EXISTING BLOCK A WALLS TO BE UNDERPINNED. FOR FURTHER DETAILS OF UNDERPINNING PLEASE REFER TO BLOCK A PROPOSED DRAWINGS

APPROXIMATE EXTENT OF UNDERPINNED TO EXISTING RETAINING WALLS

APPROXIMATE EXTENT OF UNDERPINNED TO EXISTING RETAINING WALLS

PLAN
1 : 100
EX FOUNDATION UNDERPINNING



KEYPLAN

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- FOR MEMBER SCHEDULES REFER TO DRAWING No. 4217-RAM-ZZ-XX-DR-S-0015
- SEPERATE ALLOWANCES TO BE MADE FOR THE FOLLOWING:
 - ALL STEEL TO STEEL AND STEEL TO CONCRETE CONNECTIONS AND SPLICES
 - FAÇADE FIXINGS
 - TRANSFER BEAMS
 - STIFFENER PLATES AROUND BEAM WEB OPENINGS
 - STEEL COLUMNS

LEGEND

- 450mm RC SLAB THICKENING. THICKENING FOUNDED ON TBC WITH AN ALLOWABLE BEARING PRESSURE OF TBC
- 250mm RC SLAB FOUNDED ON TBC WITH AN ALLOWABLE BEARING PRESSURE OF TBC

ALL FOUNDATIONS SHOWN ARE ON HOLD PENDING RECEIPT OF PHASE 2 GROUND INVESTIGATION REPORT. DO NOT PRICE/COST FOUNDATIONS SHOWN ON THIS DRAWING.

RC SUMP PIT FOR DRAINED CAVITY WATERPROOFING SYSTEMS TBC

DIMENSIONS AND SETTING OUT TO BE CONFIRMED BY ARCHITECT

THESE NOTES ARE BASED ON THE USE OF EXPERIENCED AND COMPETENT CONTRACTORS CARRYING OUT THE WORK USING AN APPROVED SAFE METHOD OF WORKING

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- INDICATES A RESIDUAL RISK FOR INFORMATION
- INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION
- INDICATES A RESIDUAL RISK AS A WARNING

P02	PLANNING & LBC ISSUE	16/12	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12	JC	PM
Rev	Description	Date	By	App
			Chk	

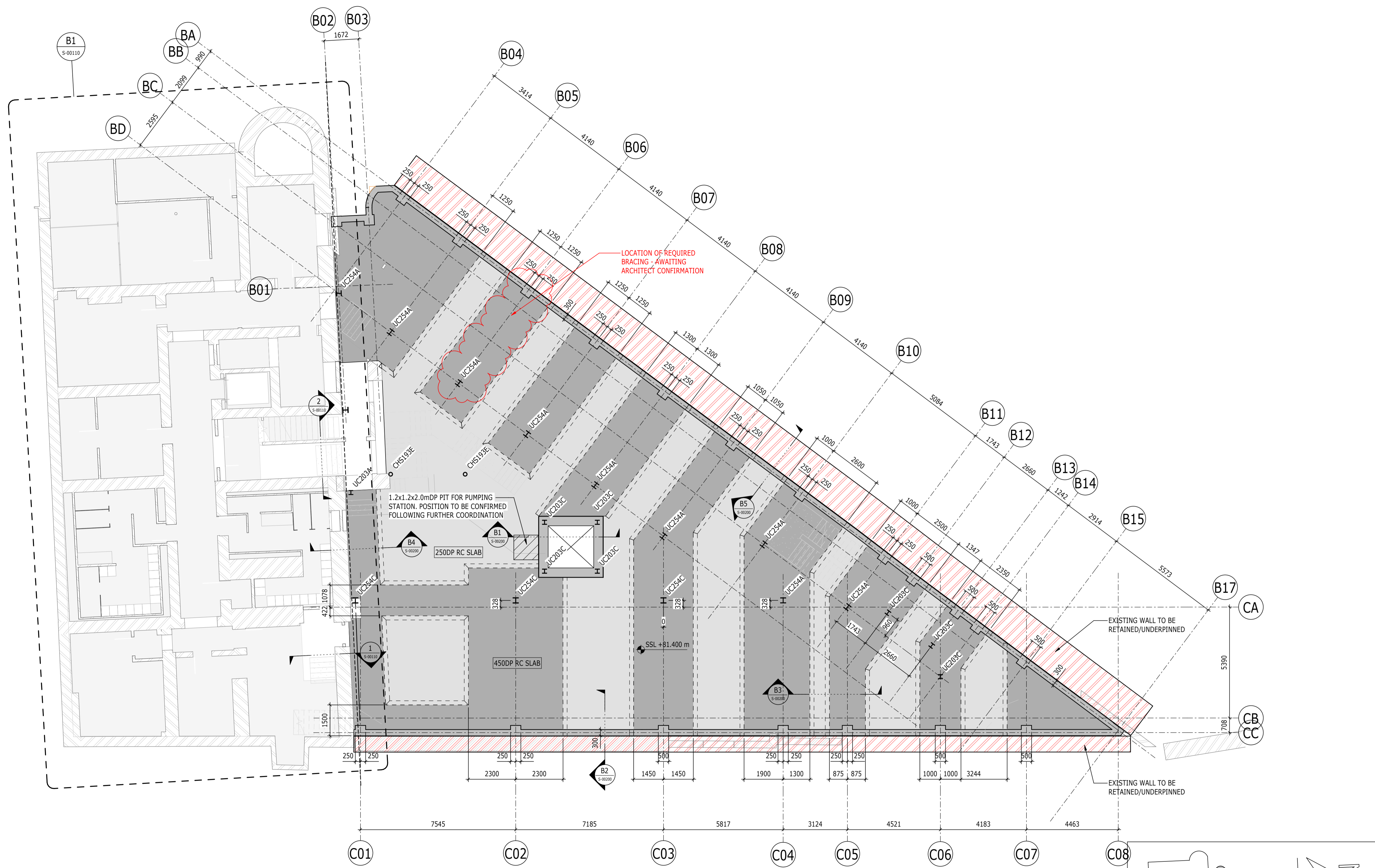
S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD

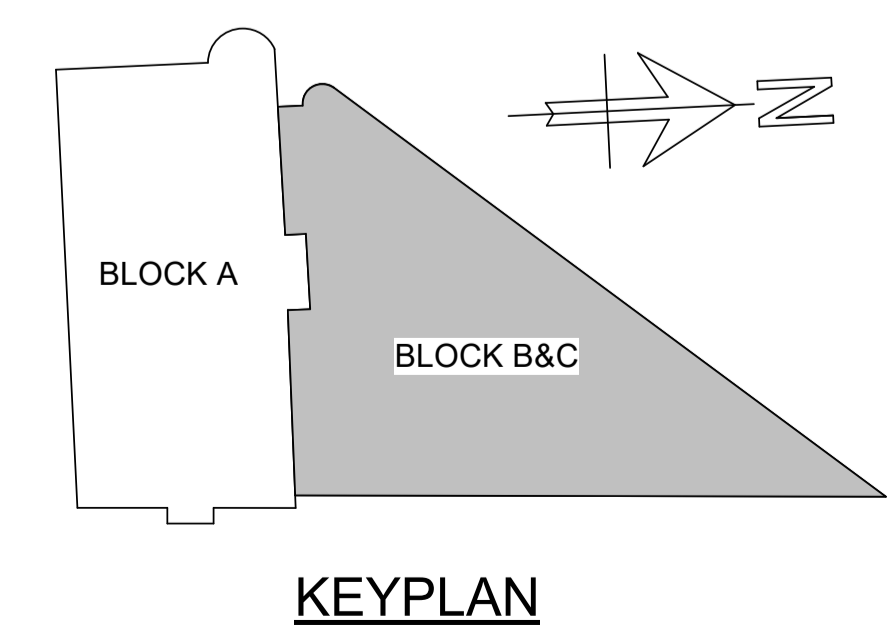


BLOCKS B & C
BASEMENT GA

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	OCT'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-B1-DR-S-00100	P02		



PLAN
1 : 100
BLOCK B&C - LEVEL B1



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 - FACADE FIXINGS
 - TRANSFER BEAMS
 - STIFFENER PLATES AROUND BEAM WEB OPENINGS
 - STEEL COLUMNS

LEGEND

- ← DENOTES SPAN DIRECTION OF 140mm THICK COMPOSITE METAL DECK SLAB (WITH 75mm SCREED) ON SMD TR60+ 1.0 GAUGE METAL DECKING
- ↔ DENOTES SPAN DIRECTION OF 140mm THICK COMPOSITE METAL DECK SLAB ON SMD TR60 + 1.0 GAUGE METAL DECKING
- ▶ DENOTES MOMENT CONNECTION
- TIMBER INFILL

INABEYANCE / TO BE CONFIRMED

- BUILDERSWORK HOLES
- UPSTANDS
- MOMENT CONNECTION
- OPTIMISATION OF STEELWORK FOR FIRE DESIGN

DIMENSIONS AND SETTING OUT TO BE CONFIRMED BY ARCHITECT

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P02	PLANNING & LBC ISSUE	16/12	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12	JC	PM
Rev	Description	Date	By	App
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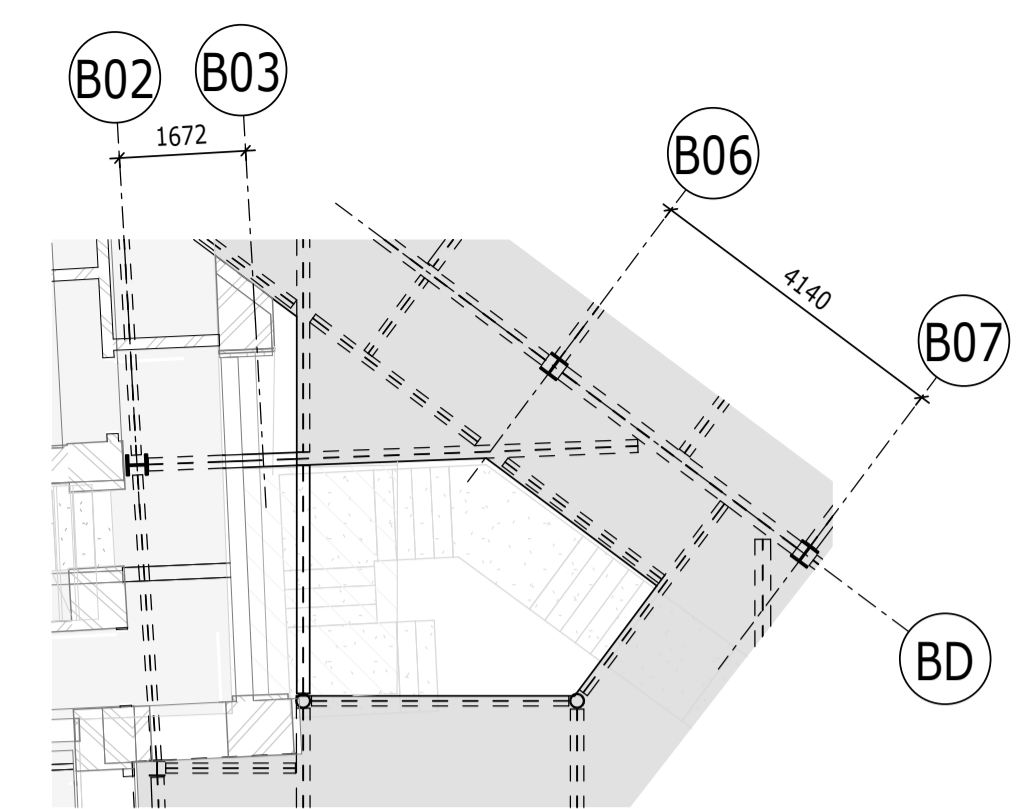
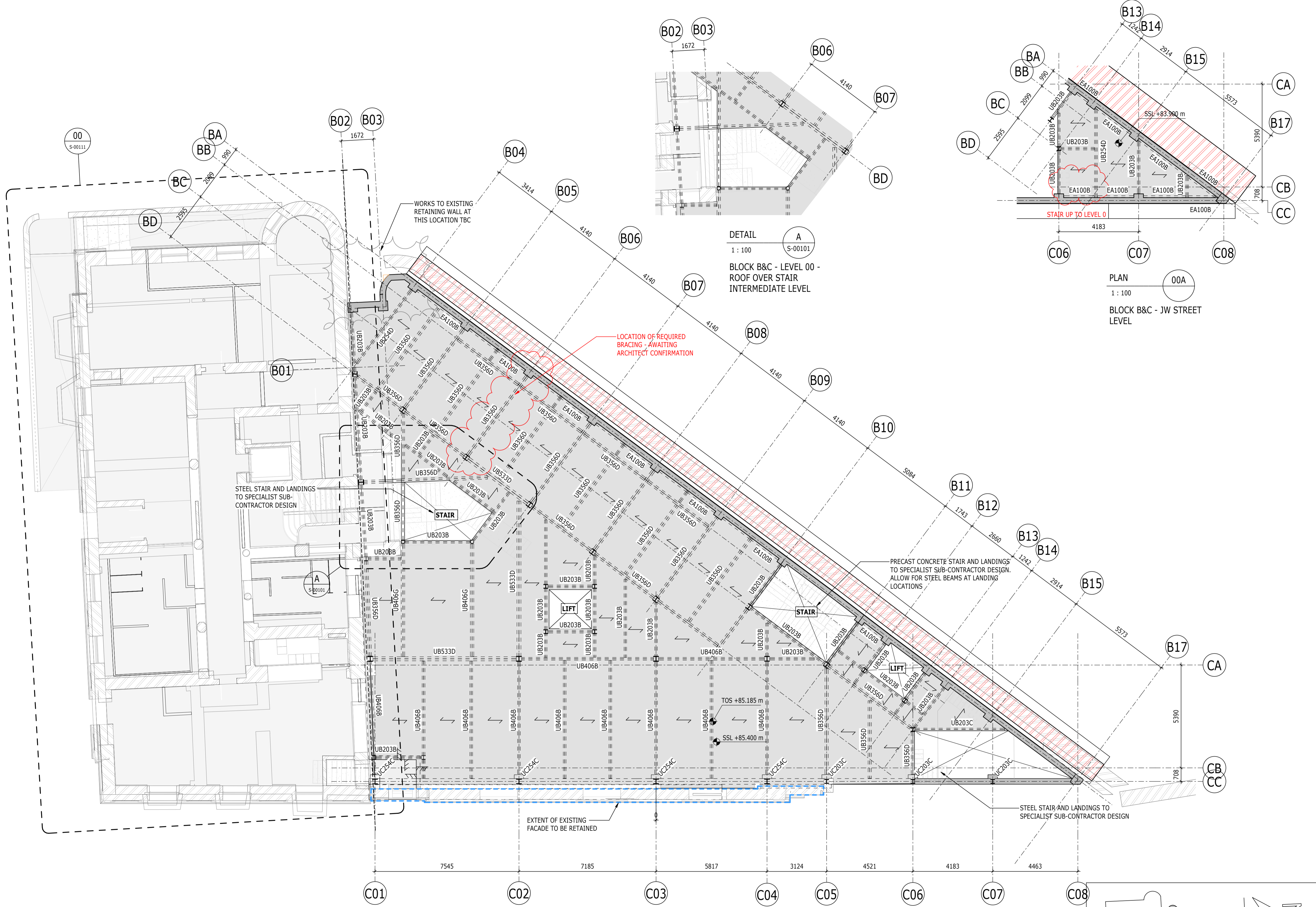
S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD

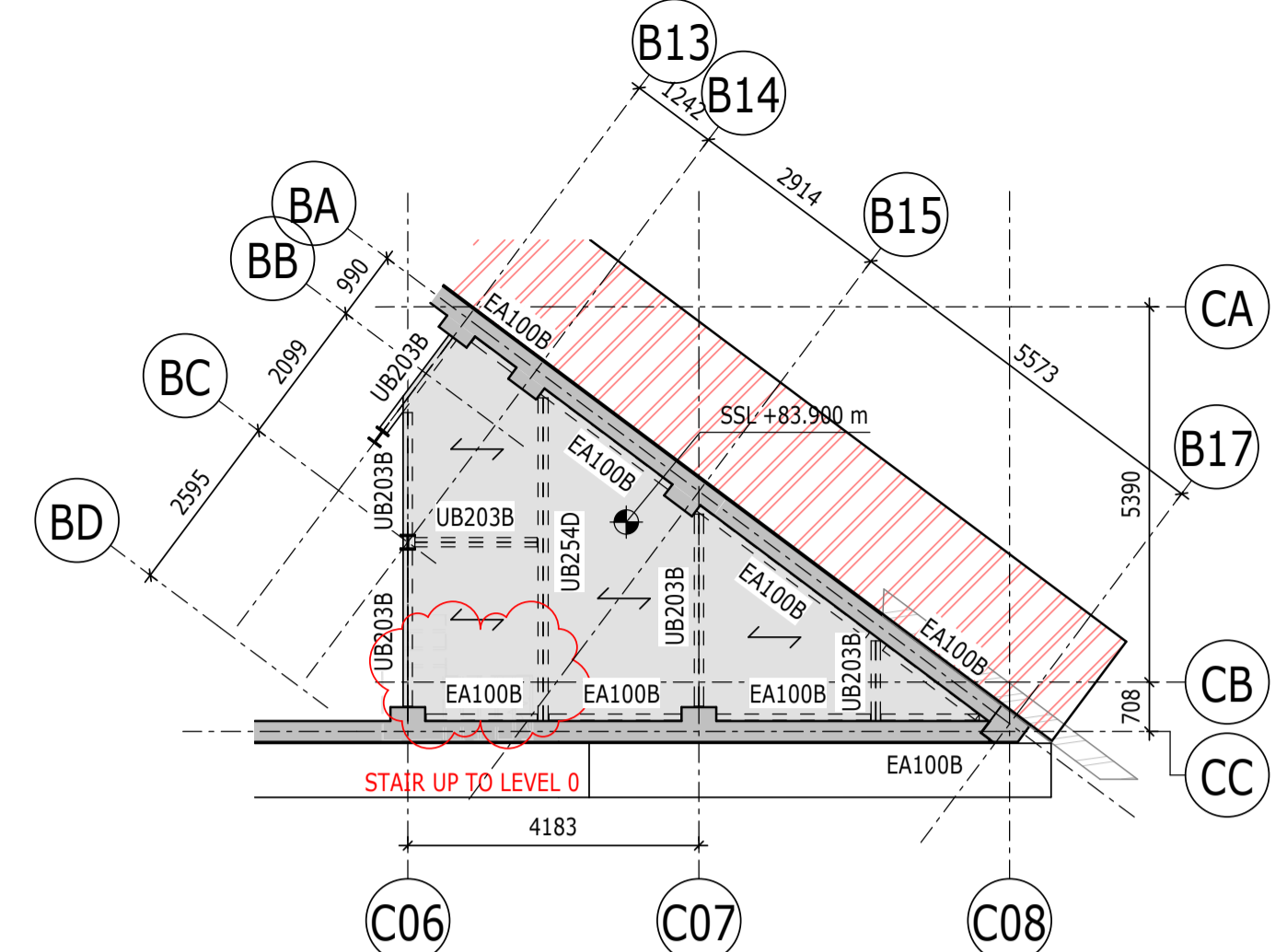


BLOCKS B & C
GROUND FLOOR GA

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	OCT'22	JC
Drawing No:			Rev:
4217-RAM-ZZ-00-DR-S-00101			P02

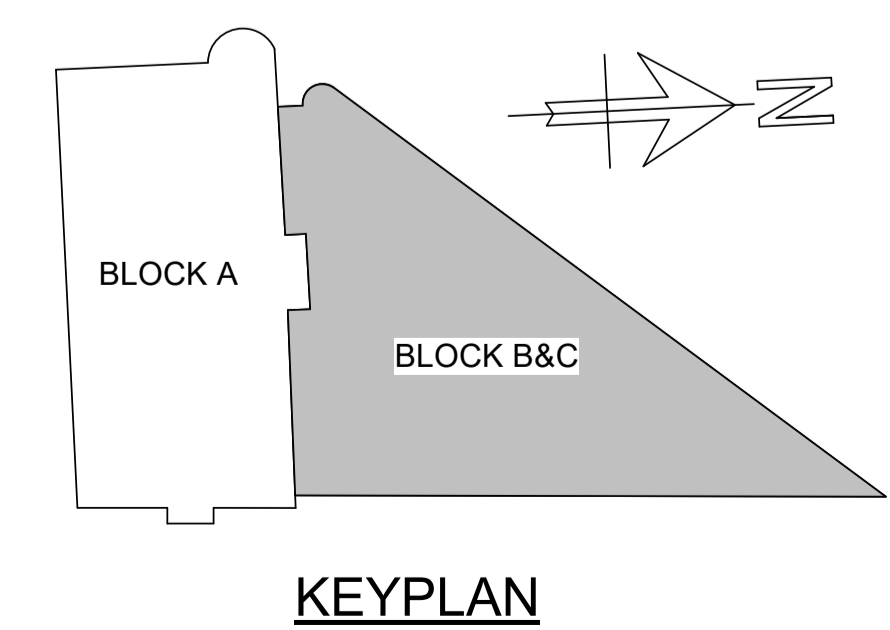


DETAIL A
1 : 100 S-00101
BLOCK B&C - LEVEL 00 -
ROOF OVER STAIR
INTERMEDIATE LEVEL



PLAN 00A
1 : 100
BLOCK B&C - JW STREET
LEVEL

PLAN 00
1 : 100 S-00205
BLOCK B&C - LEVEL 00



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LEGEND

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- ▶ DENOTES MOMENT CONNECTION
- TIMBER INFILL

INABEYANCE / TO BE CONFIRMED

- BUILDERSWORK HOLES
- UPSTANDS
- MOMENT CONNECTION
- OPTIMISATION OF STEELWORK FOR FIRE DESIGN

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P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
			Chk	

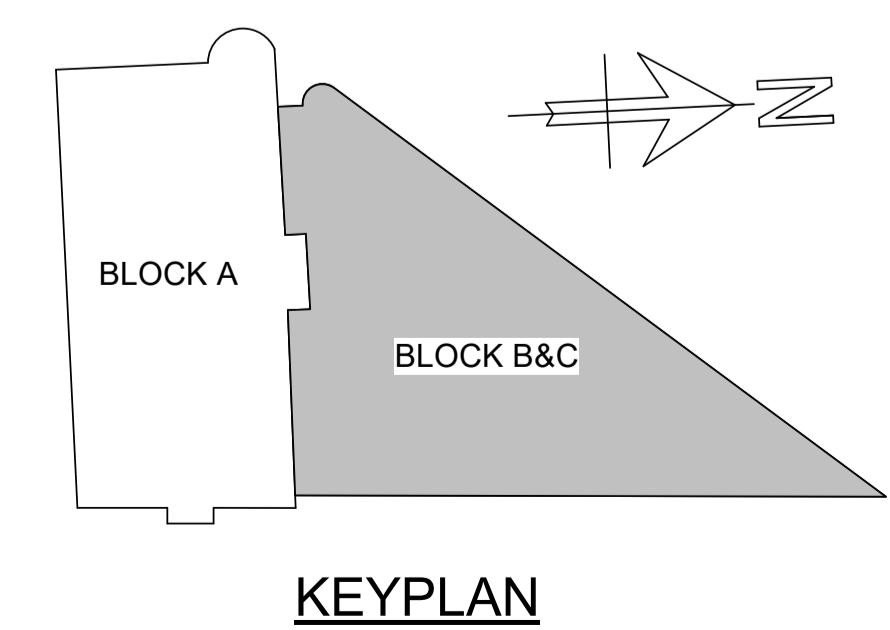
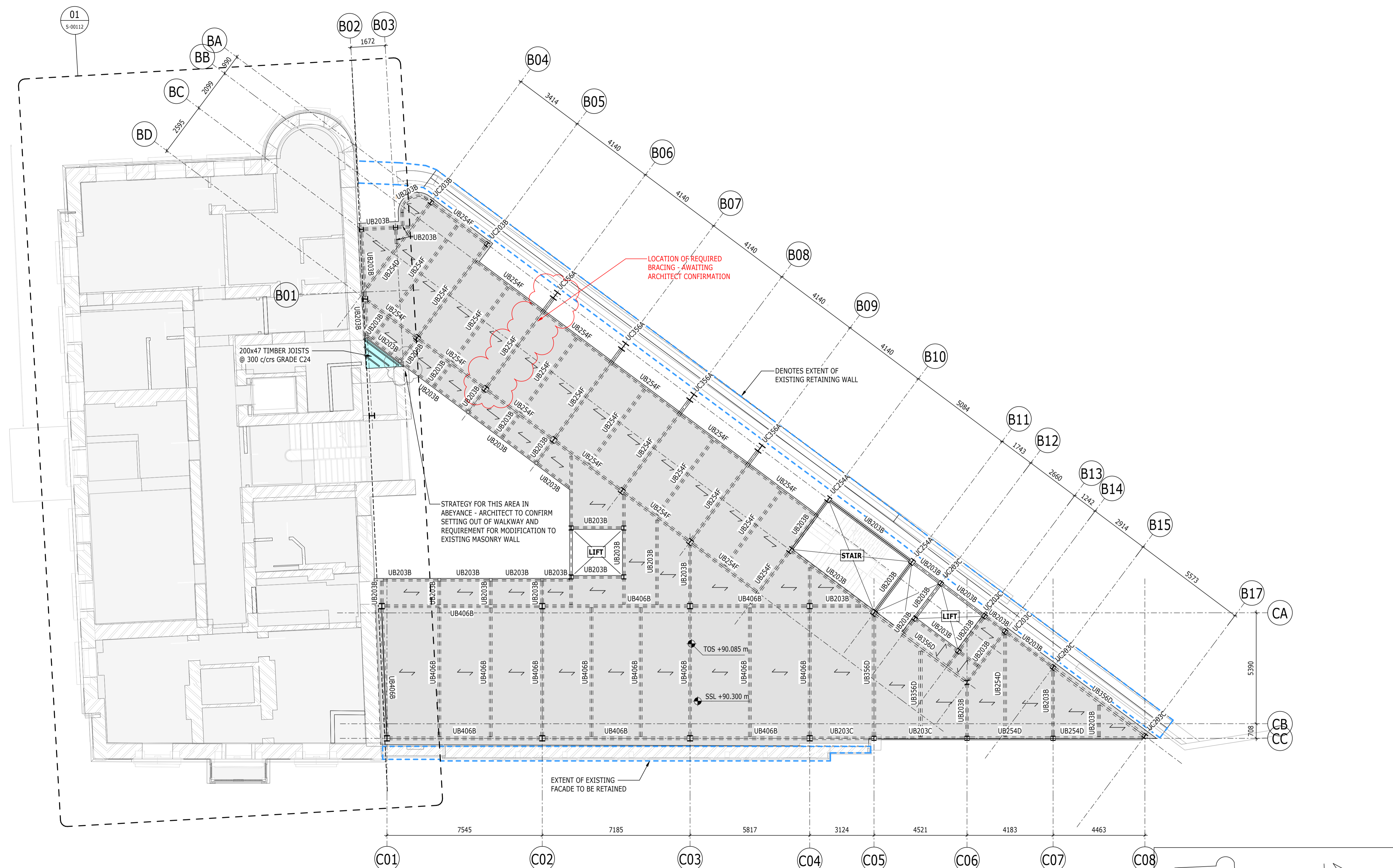
S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



BLOCKS B & C
FIRST FLOOR GA

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	OCT'22	JC
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PLAN 01
1 : 100
BLOCK B&C - LEVEL 01

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P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
			Chk	

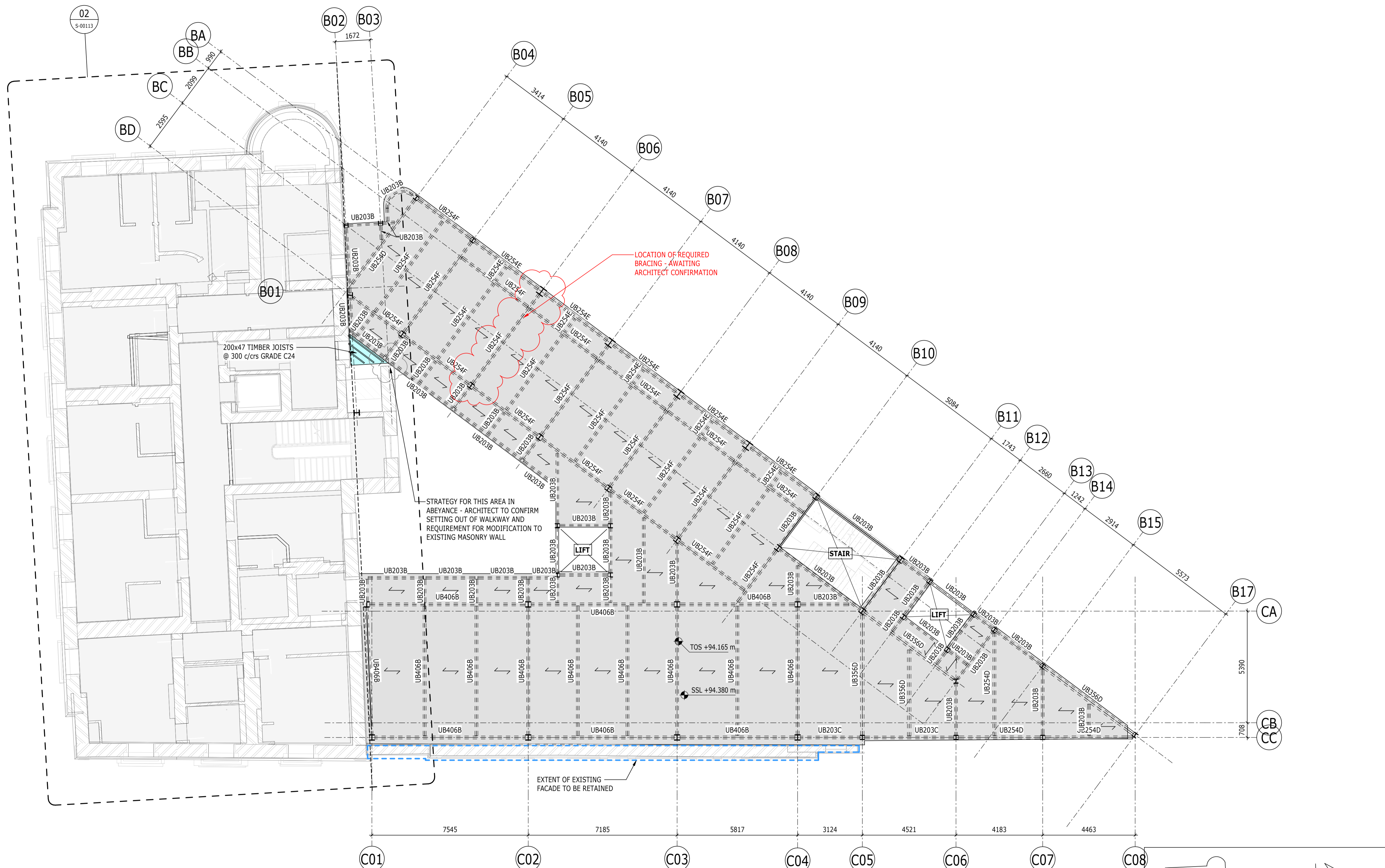
S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



BLOCKS B & C
SECOND FLOOR GA

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	OCT'22	JC
Drawing No:		Rev:	
4217-RAM-ZZ-02-DR-S-00103			P02



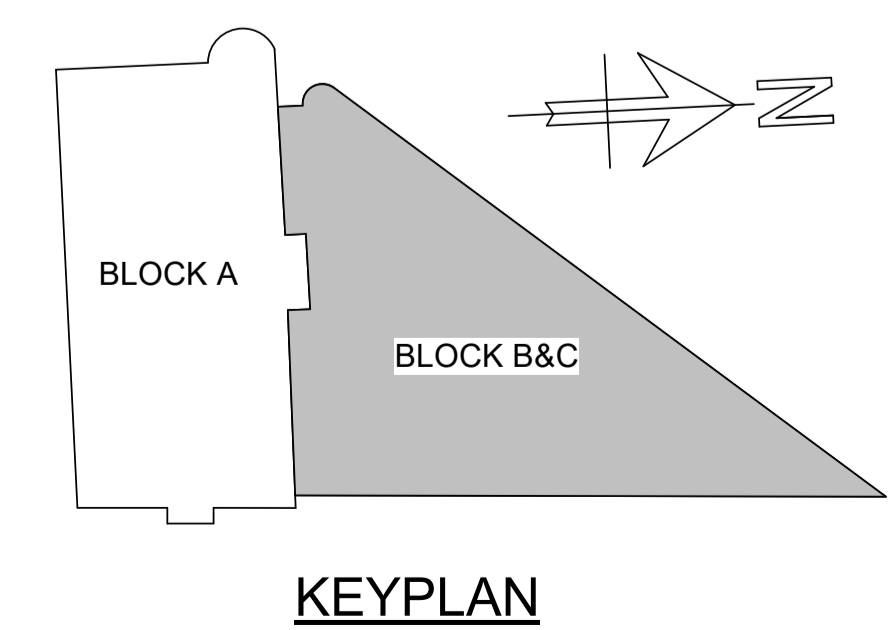
200x47 TIMBER JOISTS @ 300 c/crs GRADE C24

LOCATION OF REQUIRED BRACING - AWAITING ARCHITECT CONFIRMATION

STRATEGY FOR THIS AREA IN ABEYANCE - ARCHITECT TO CONFIRM SETTING OUT OF WALKWAY AND REQUIREMENT FOR MODIFICATION TO EXISTING MASONRY WALL

EXTENT OF EXISTING FACADE TO BE RETAINED

PLAN
1 : 100
BLOCK B&C - LEVEL 02



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- TIMBER INFILL

INABEYANCE / TO BE CONFIRMED

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			Chk	

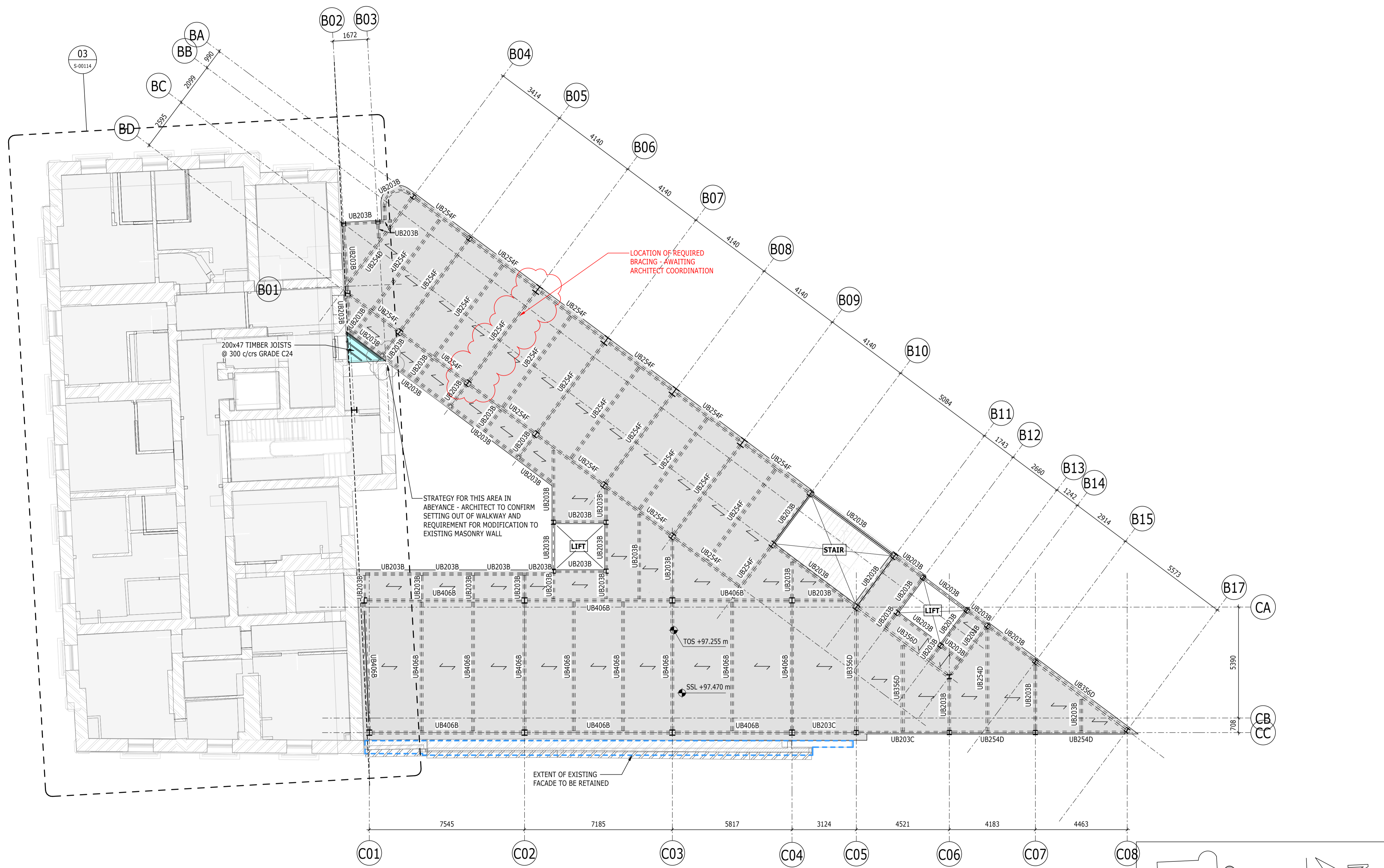
S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD

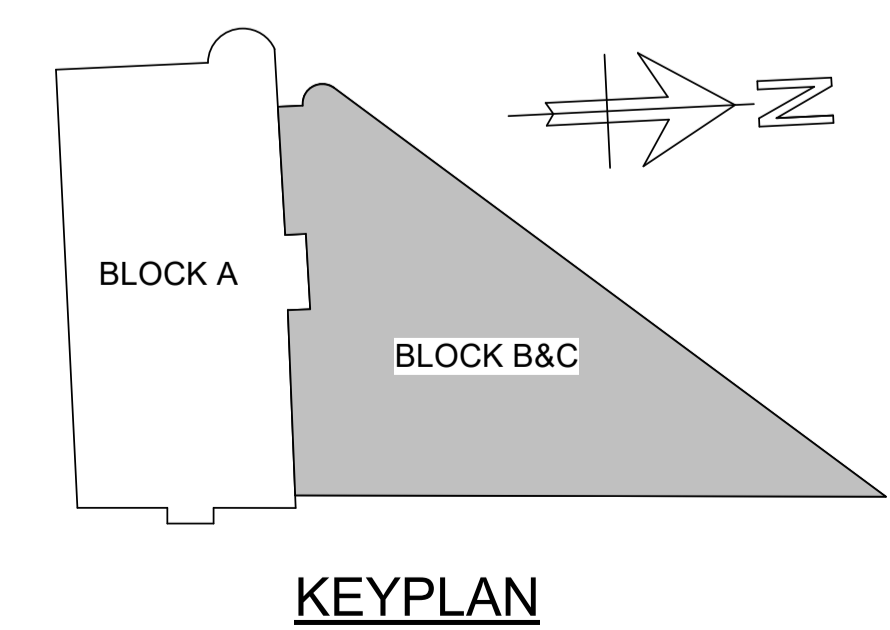


BLOCKS B & C
THIRD FLOOR GA

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	OCT'22	JC
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4217-RAM-ZZ-03-DR-S-00104	P02		



PLAN 03
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- ▶ DENOTES MOMENT CONNECTION
- TIMBER INFILL

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- UPSTANDS
- MOMENT CONNECTION
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P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
			By	App
			Chk	

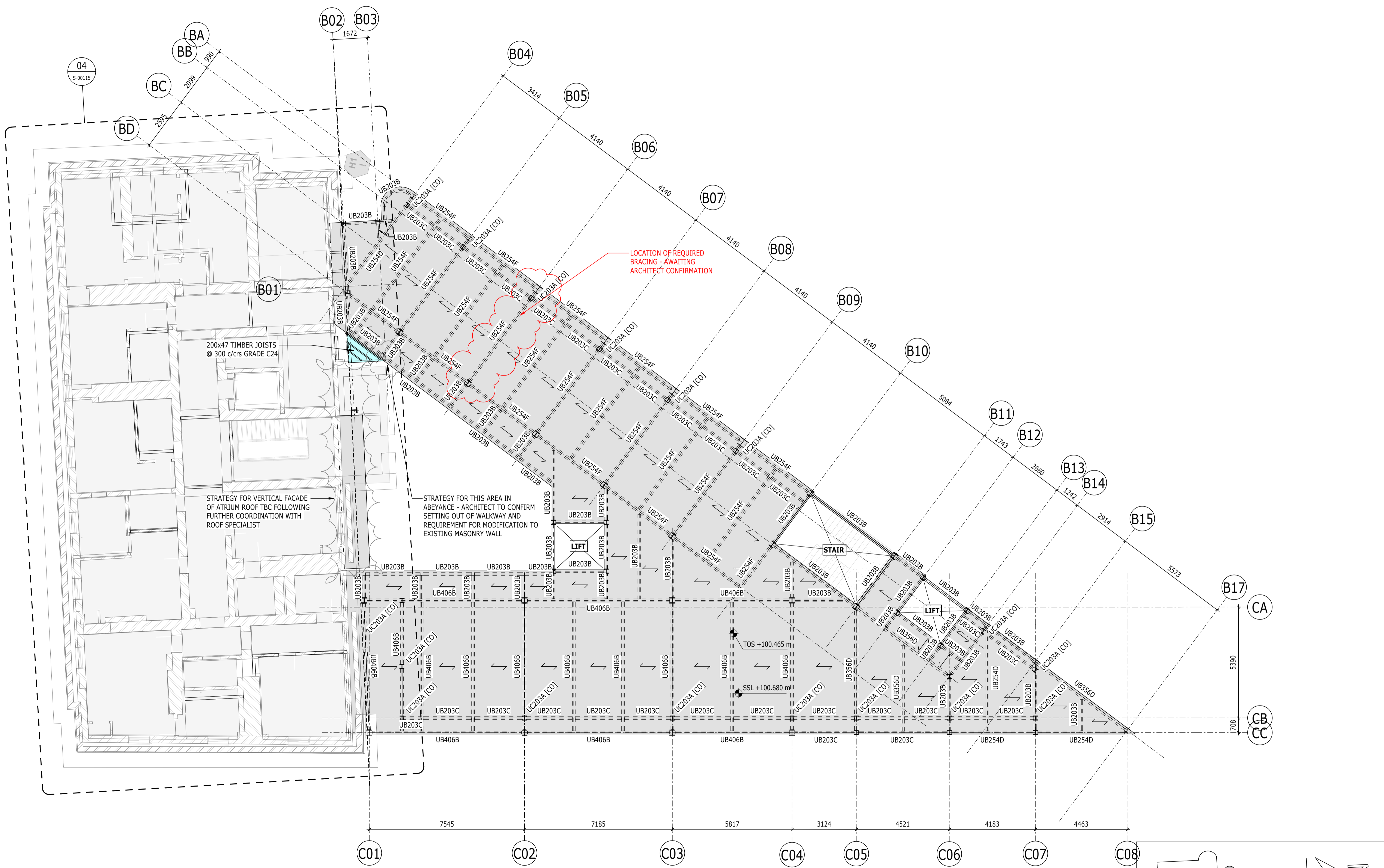
S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD

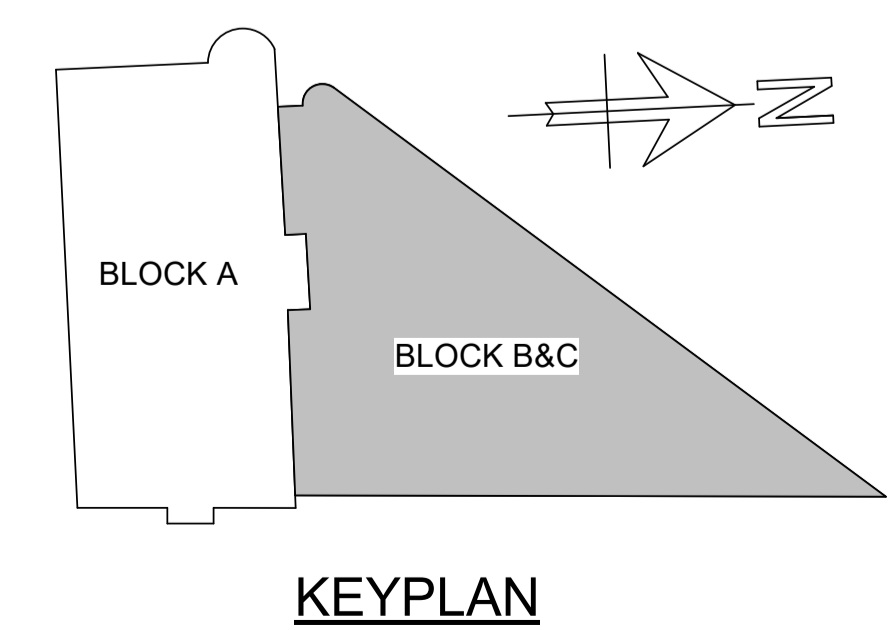


BLOCKS B & C
FOURTH FLOOR GA

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	OCT'22	JC
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4217-RAM-ZZ-04-DR-S-00105			P02



PLAN 04
1 : 100
BLOCK B&C - LEVEL 04



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P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
			Chk	

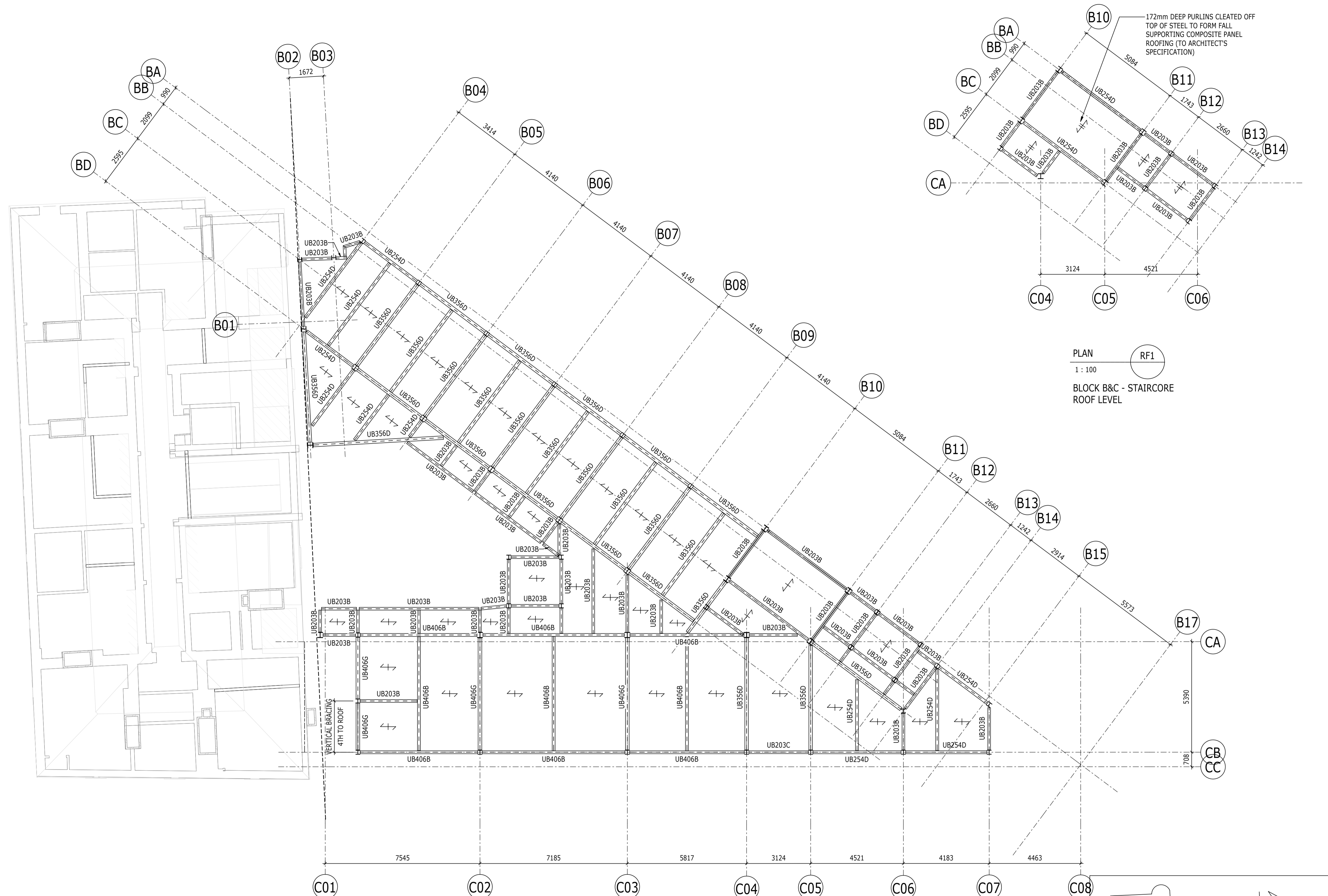
S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



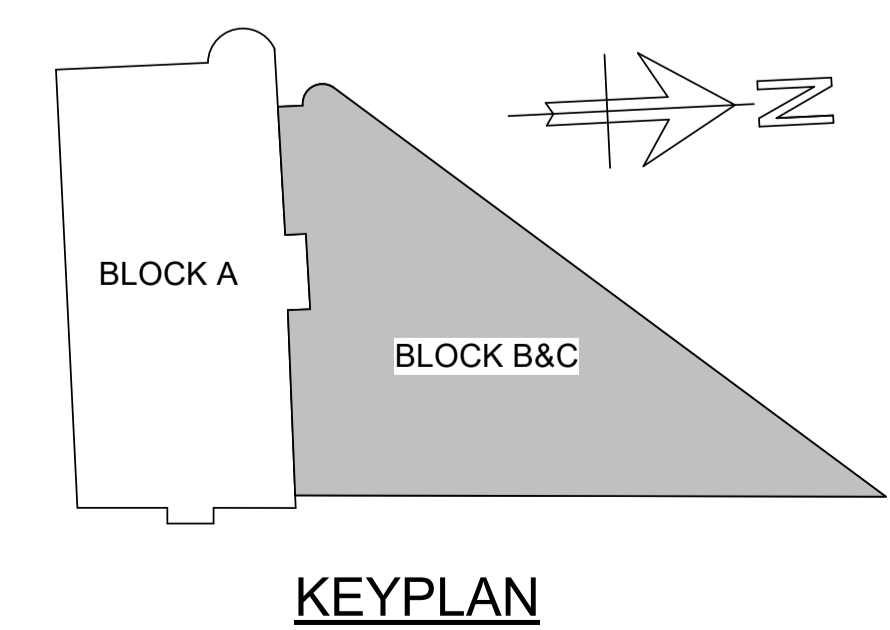
BLOCKS B & C
ROOF GA

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	OCT'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-RF-DR-S-00106	P02		



PLAN RF1
1 : 100
BLOCK B&C - STAIRCORE
ROOF LEVEL

PLAN RF
1 : 100 S-001116
BLOCK B&C - RF LEVEL



KEYPLAN

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- KEY TO SYMBOLS
- DENOTES NEW STRUCTURAL BEAM OVER OPENING
 - ▨ DENOTES MASONRY INFILL TO EXISTING LOAD BEARING MASONRY WALL
 - DENOTES NEW OPENING TO EXISTING LOAD BEARING MASONRY WALL
 - DENOTES LOCATION OF PADSTONE. FOR DETAILS SEE DRAWING S-0000.
 - DENOTES AREA OF NEW TIMBER FLOOR CONSTRUCTION. SEE PLAN FOR JOIST SIZES
 - DENOTES AREA OF BASEMENT SLAB TO BE LOWERED
 - DENOTES NEW OPENING AT LOCATION OF EXISTING WINDOW OPENING
 - DENOTES EXISTING LOAD BEARING MASONRY WALL TO BE UNDERPINNED
 - DENOTES TIE

THESE NOTES ARE BASED ON THE USE OF EXPERIENCED AND COMPETENT CONTRACTORS CARRYING OUT THE WORK USING AN APPROVED SAFE METHOD OF WORKING

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- ⓘ INDICATES A RESIDUAL RISK REQUIRING A COMPULSORY ACTION
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- ⚠ INDICATES A RESIDUAL RISK AS A WARNING

P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
			Chk	

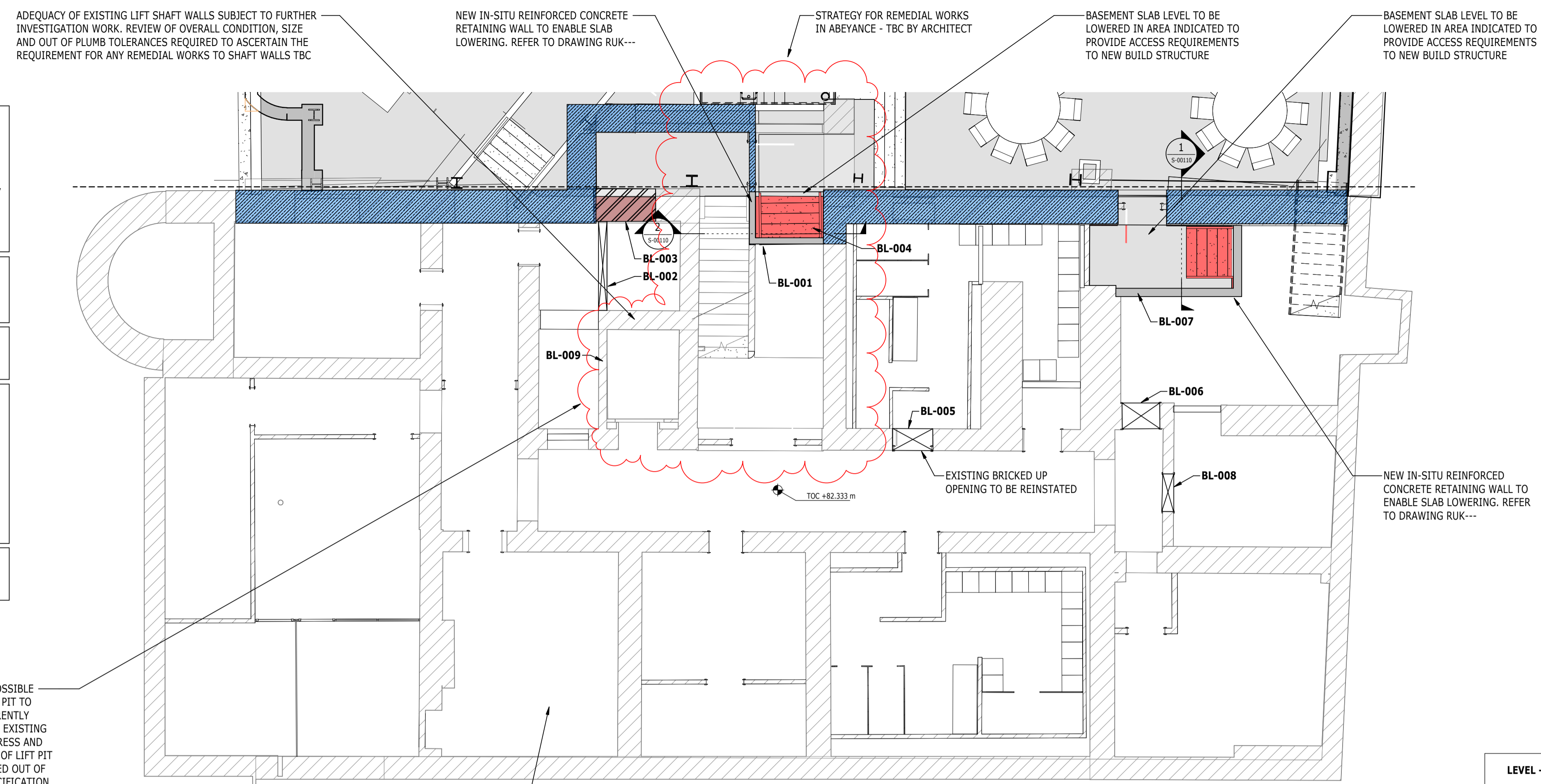
S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



BLOCK A
BASEMENT GA

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-B1-DR-S-00110	P02		



THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY STABILITY OF THE WORKS AND ANY OTHER BUILDINGS, STRUCTURES, EXCAVATIONS OR FEATURES AFFECTED BY THE WORKS. THE CONTRACTOR SHALL ENSURE NO PART OF THE WORKS AND ANY OTHER BUILDINGS, STRUCTURES OR FEATURES AFFECTED BY THE WORKS ARE OVERSTRESSED OR DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES.

STRUCTURAL STEELWORK SHOWN ON PLAN INDICATIVELY. IT SHOULD BE NOTED THAT STEELWORK TO BE ABOVE THE LEVEL OF THE PROPOSED OPENING.

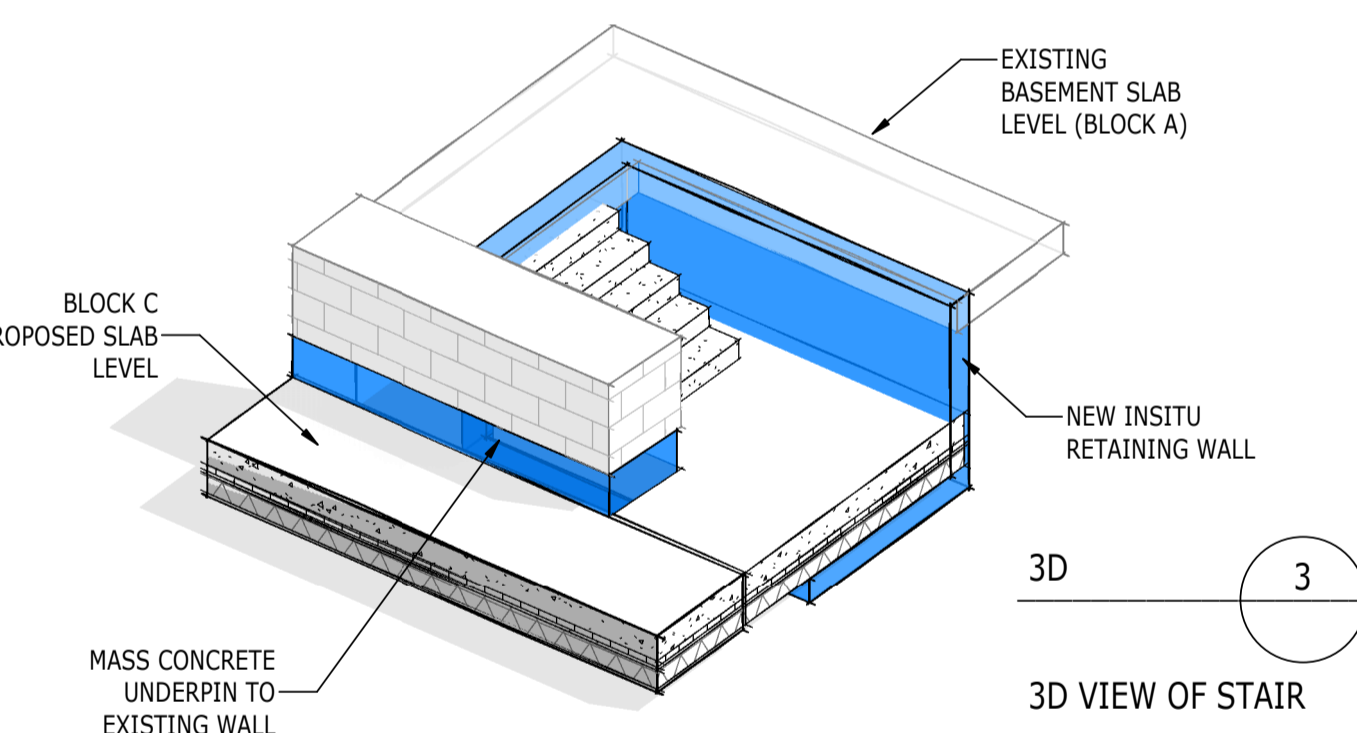
BASEMENT FLOOR SLAB REPLACEMENT STRATEGY AND ASSOCIATED WATERPROOFING/MOISTURE CONTROL TO BE CONFIRMED BY THE ARCHITECT

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT RAMBOLL DEMOLITION DRAWINGS:

- 4217-RAM-ZZ-B1-DR-S-00160
- 4217-RAM-ZZ-00-DR-S-00161
- 4217-RAM-ZZ-01-DR-S-00162
- 4217-RAM-ZZ-02-DR-S-00163
- 4217-RAM-ZZ-03-DR-S-00164
- 4217-RAM-ZZ-04-DR-S-00165
- 4217-RAM-ZZ-RF-DR-S-00166

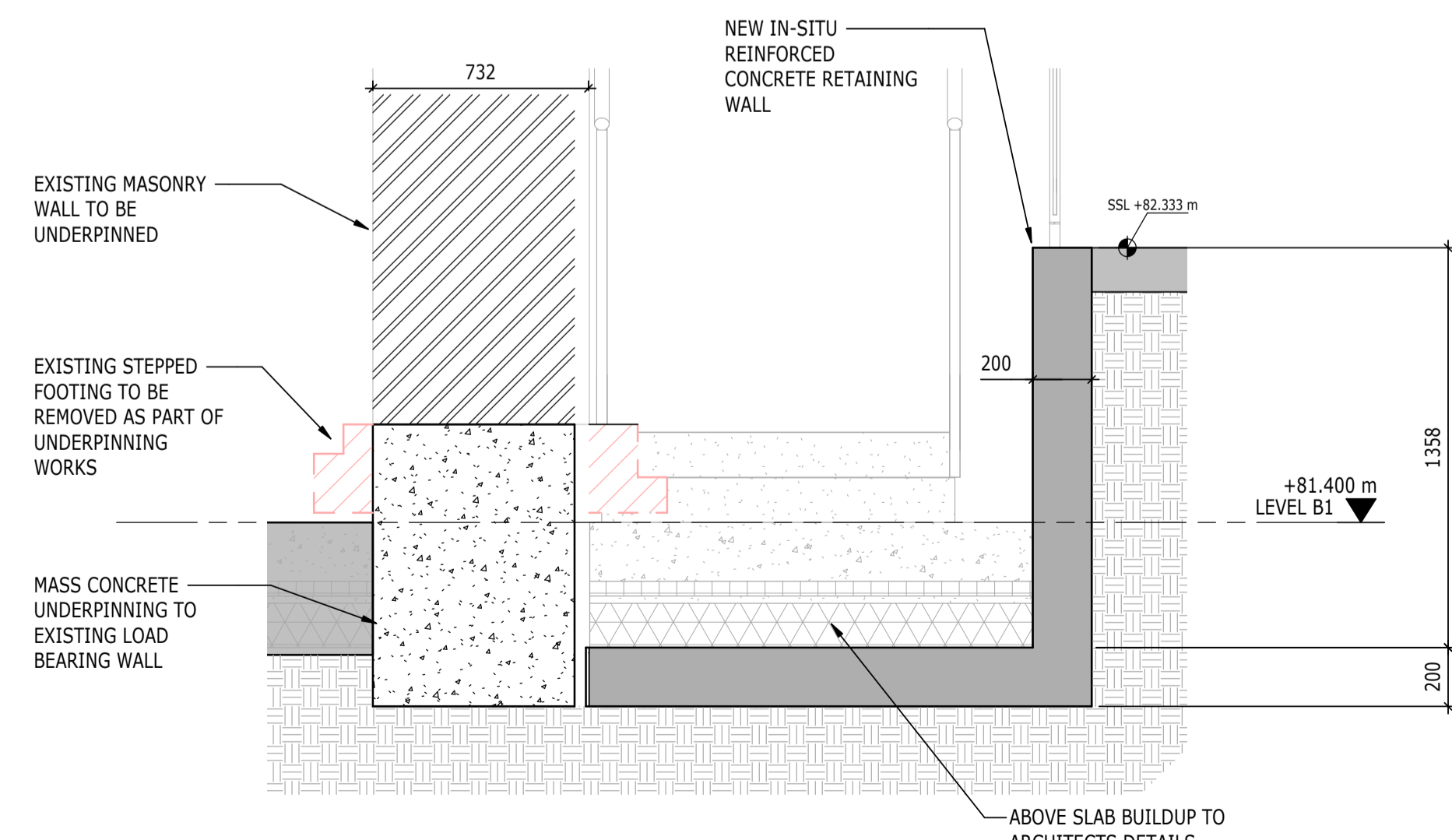
SIZE AND SETTING OUT OF ALL BUILDERSWORK OPENINGS TO BE CONFIRMED BY ARCHITECT AND MECHANICAL ENGINEER

LIFT PIT REQUIREMENTS TBC BY LIFT SPECIALIST. POSSIBLE REQUIREMENT TO MODIFY OR CONSTRUCT NEW LIFT PIT TO MEET INSTALLATION REQUIREMENTS. LIFT CAR CURRENTLY INSTALLED SO THE CONDITION AND GEOMETRY TBC. EXISTING SHAFT HAS BEEN SUBJECT TO HISTORIC WATER INGRESS AND THEREFORE LIFT PIT IS FULL OF WATER. CONDITION OF LIFT PIT TO BE ASSESSED ONCE THE WATER HAS BEEN PUMPED OUT OF THE PIT AND THERE IS SAFE ACCESS, PRIOR TO SPECIFICATION OF ANY REMEDIAL WORKS. IF THERE IS SIGNIFICANT DETRIORATION, THE LIFT PIT AND/OR SHAFT MAY HAVE TO BE REPLACED.

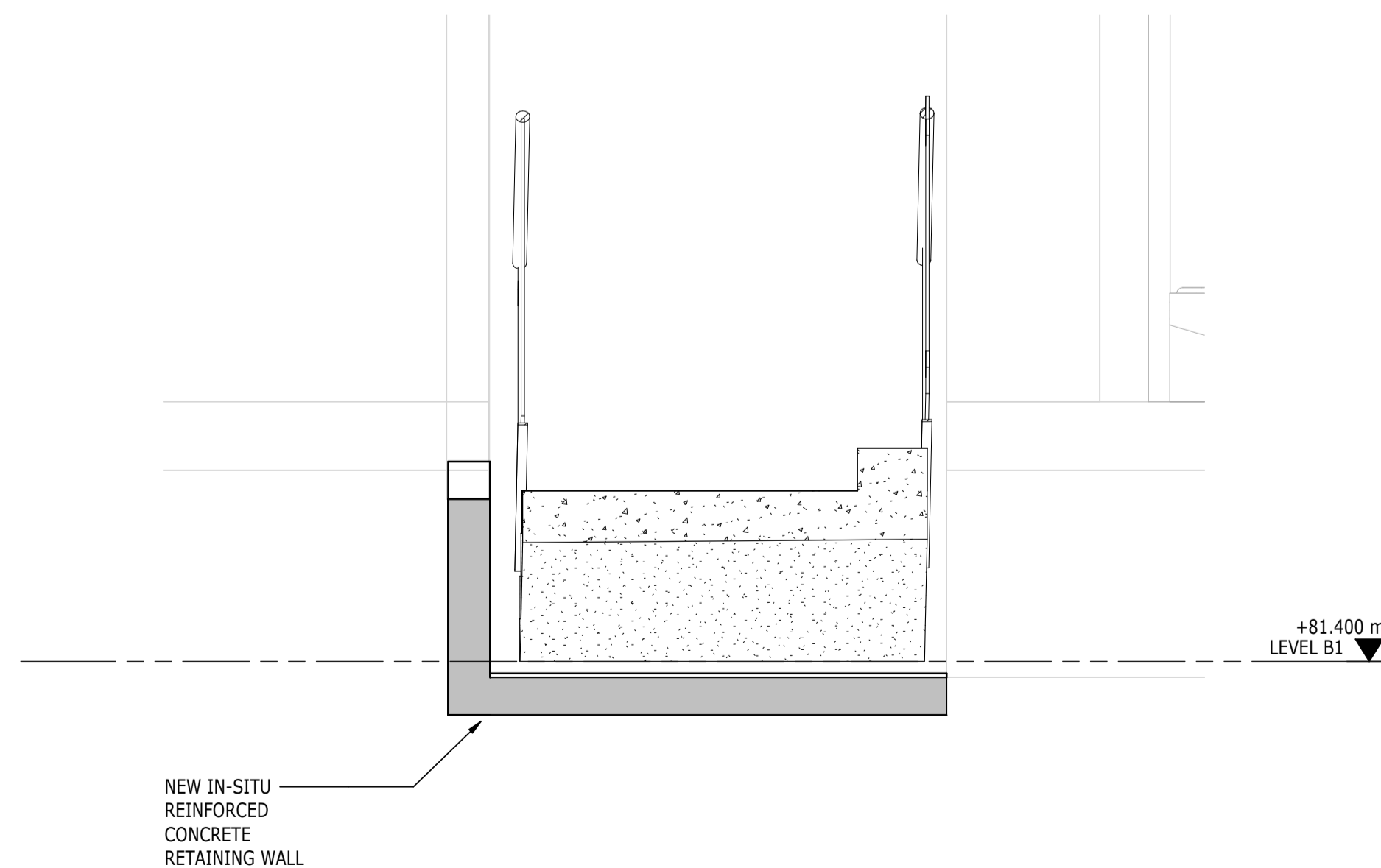


EXISTING STONE FLAGS AT BASEMENT LEVEL. ASSUMED TO BE REMOVED AS PART OF RENOVATION WORK. EXISTING FFL TO BE MAINTAINED

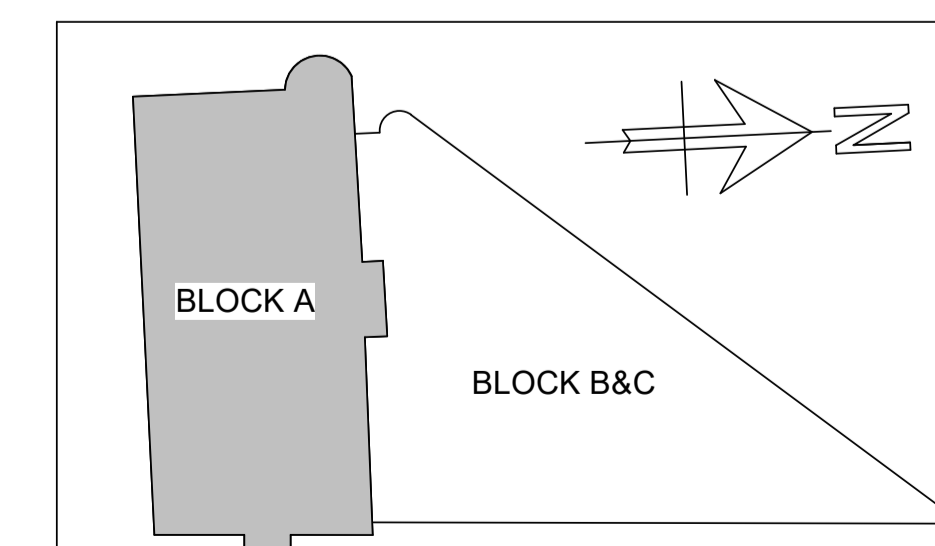
PLAN
1 : 75
BLOCK A - LEVEL B1



DETAIL 1
1 : 20



DETAIL 2
1 : 20



KEYPLAN

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- KEY TO SYMBOLS
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 - DENOTES AREA OF BASEMENT SLAB TO BE LOWERED
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 - DENOTES TIE

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P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



BLOCK A
GROUND FLOOR GA

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-00-DR-S-00111	P02		

ADEQUACY OF EXISTING LIFT SHAFT WALLS SUBJECT TO FURTHER INVESTIGATION WORK. REVIEW OF OVERALL CONDITION, SIZE AND OUT OF PLUMB TOLERANCES REQUIRED TO ASCERTAIN THE REQUIREMENT FOR ANY REMEDIAL WORKS TO SHAFT WALLS TBC

STRATEGY FOR REMEDIAL WORKS IN ABEYANCE - TBC BY ARCHITECT

NEW INFILL TIMBER FLOOR FOLLOWING REMOVAL OF EXISTING STAIR FLIGHT

NEW STEEL BEAMS TO SUPPORT LOAD BEARING MASONRY ABOVE OPENING

EXISTING MASONRY PIER CUT BACK

NEW TIMBER FLOOR TO REPLACE EXISTING STONE/PRECAST SLABS IN POOR CONDITION

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY STABILITY OF THE WORKS AND ANY OTHER BUILDINGS, STRUCTURES, EXCAVATIONS OR FEATURES AFFECTED BY THE WORKS. THE CONTRACTOR SHALL ENSURE NO PART OF THE WORKS AND ANY OTHER BUILDINGS, STRUCTURES OR FEATURES AFFECTED BY THE WORKS ARE OVERSTRESSED OR DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES.

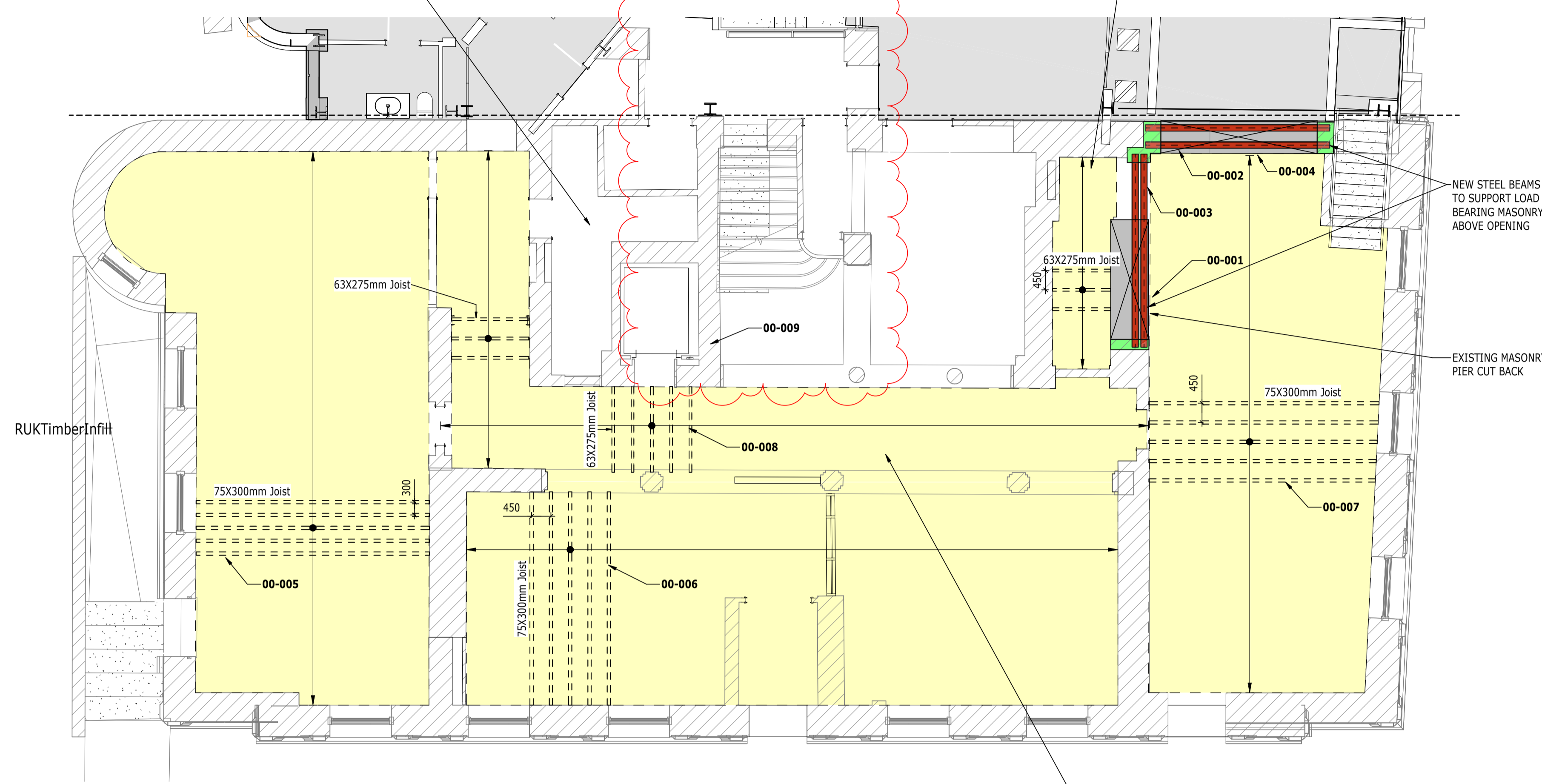
STRUCTURAL STEELWORK SHOWN ON PLAN INDICATIVELY. IT SHOULD BE NOTED THAT STEELWORK TO BE ABOVE THE LEVEL OF THE PROPOSED OPENING.

BASEMENT FLOOR SLAB REPLACEMENT STRATEGY AND ASSOCIATED WATERPROOFING/MOISTURE CONTROL TO BE CONFIRMED BY THE ARCHITECT

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT RAMBOLL DEMOLITION DRAWINGS:

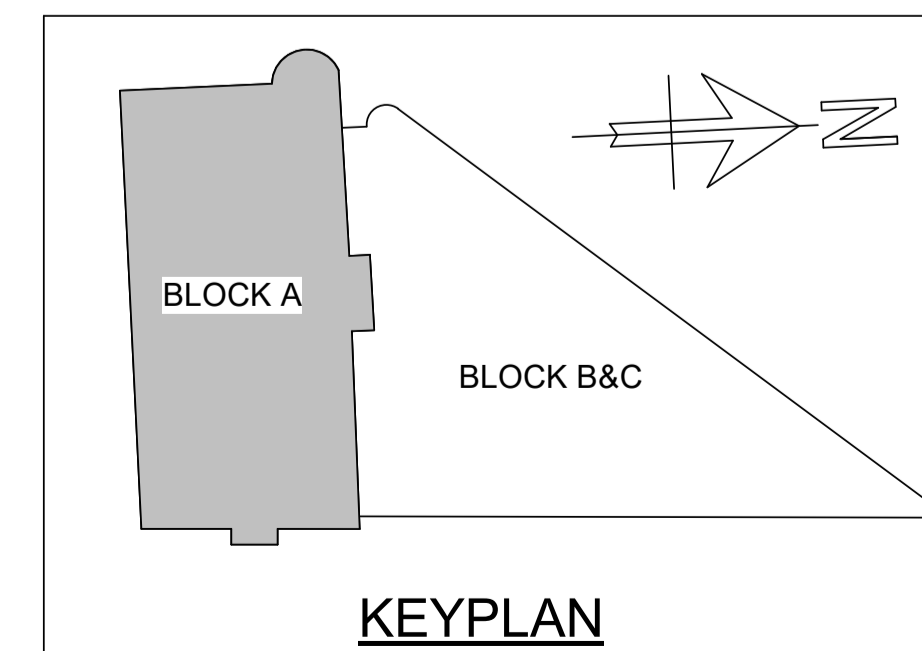
- 4217-RAM-ZZ-B1-DR-S-00160
- 4217-RAM-ZZ-00-DR-S-00161
- 4217-RAM-ZZ-01-DR-S-00162
- 4217-RAM-ZZ-02-DR-S-00163
- 4217-RAM-ZZ-03-DR-S-00164
- 4217-RAM-ZZ-04-DR-S-00165
- 4217-RAM-ZZ-RF-DR-S-00166

SIZE AND SETTING OUT OF ALL BUILDERSWORK OPENINGS TO BE CONFIRMED BY ARCHITECT AND MECHANICAL ENGINEER



PLAN 00
1 : 75 S-00101
BLOCK A - LEVEL 00

LEVEL 00 - BLOCK A STRUCTURAL INTERVENTION SCHEDULE		
REFERENCE	DESCRIPTION OF INTERVENTION	APPLICABLE DETAIL
00-001	NEW STRUCTURAL OPENING IN EXISTING LOAD BEARING MASONRY WALL	4217-RAM-ZZ-DR-S-00500 & 4217-RAM-ZZ-DR-S-00501
00-002	NEW SUPPORT STEEL OVER OPENING TO SUPPORT EXISTING LOAD BEARING MASONRY WALL	4217-RAM-ZZ-DR-S-00500 & 4217-RAM-ZZ-DR-S-00501
00-003	NEW SUPPORT STEEL OVER OPENING TO SUPPORT EXISTING LOAD BEARING MASONRY WALL	4217-RAM-ZZ-DR-S-00500 & 4217-RAM-ZZ-DR-S-00501
00-004	NEW STRUCTURAL OPENING IN EXISTING LOAD BEARING MASONRY WALL	4217-RAM-ZZ-DR-S-00500 & 4217-RAM-ZZ-DR-S-00501
00-005	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-DR-S-00560
00-006	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-DR-S-00560
00-007	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-DR-S-00560
00-008	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-DR-S-00560
00-009	LIFT WORKS TBC. ALLOW FOR FULL REPLACEMENT OF MASONRY LIFT SHAFT WALLS	TBC



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KEY TO SYMBOLS

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P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



tel 01244 311855 chester@ramboll.co.uk
www.ramboll.co.uk

BLOCK A
FIRST FLOOR GA

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	NOV'22	JC
Drawing No:			Rev:
4217-RAM-ZZ-01-DR-S-00112			P02

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY STABILITY OF THE WORKS AND ANY OTHER BUILDINGS, STRUCTURES, EXCAVATIONS OR FEATURES AFFECTED BY THE WORKS. THE CONTRACTOR SHALL ENSURE NO PART OF THE WORKS AND ANY OTHER BUILDINGS, STRUCTURES OR FEATURES AFFECTED BY THE WORKS ARE OVERSTRESSED OR DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES.

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BASEMENT FLOOR SLAB REPLACEMENT STRATEGY AND ASSOCIATED WATERPROOFING/MOISTURE CONTROL TO BE CONFIRMED BY THE ARCHITECT

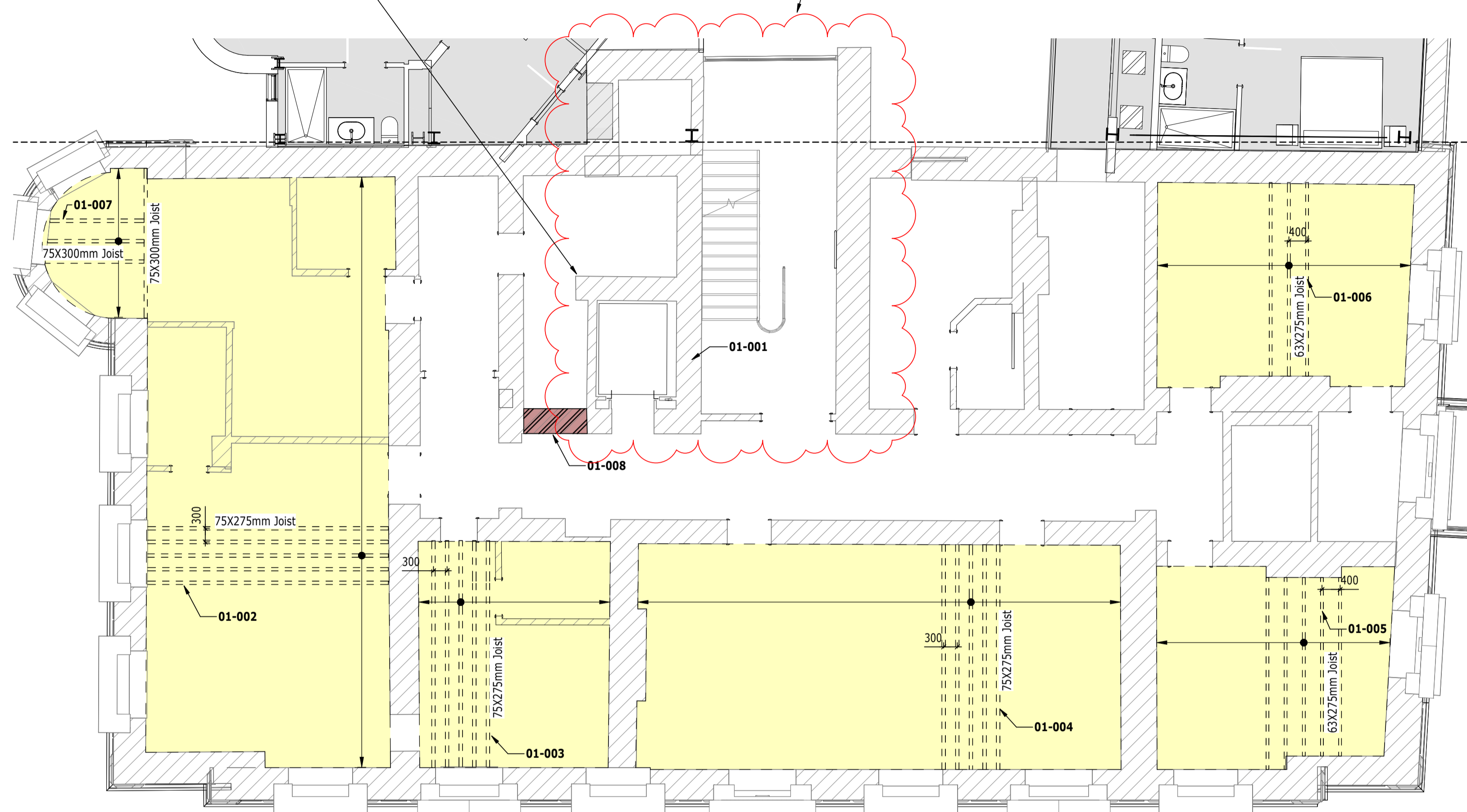
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- 4217-RAM-ZZ-B1-DR-S-00160
- 4217-RAM-ZZ-00-DR-S-00161
- 4217-RAM-ZZ-01-DR-S-00162
- 4217-RAM-ZZ-02-DR-S-00163
- 4217-RAM-ZZ-03-DR-S-00164
- 4217-RAM-ZZ-04-DR-S-00165
- 4217-RAM-ZZ-RF-DR-S-00166

SIZE AND SETTING OUT OF ALL BUILDERSWORK OPENINGS TO BE CONFIRMED BY ARCHITECT AND MECHANICAL ENGINEER

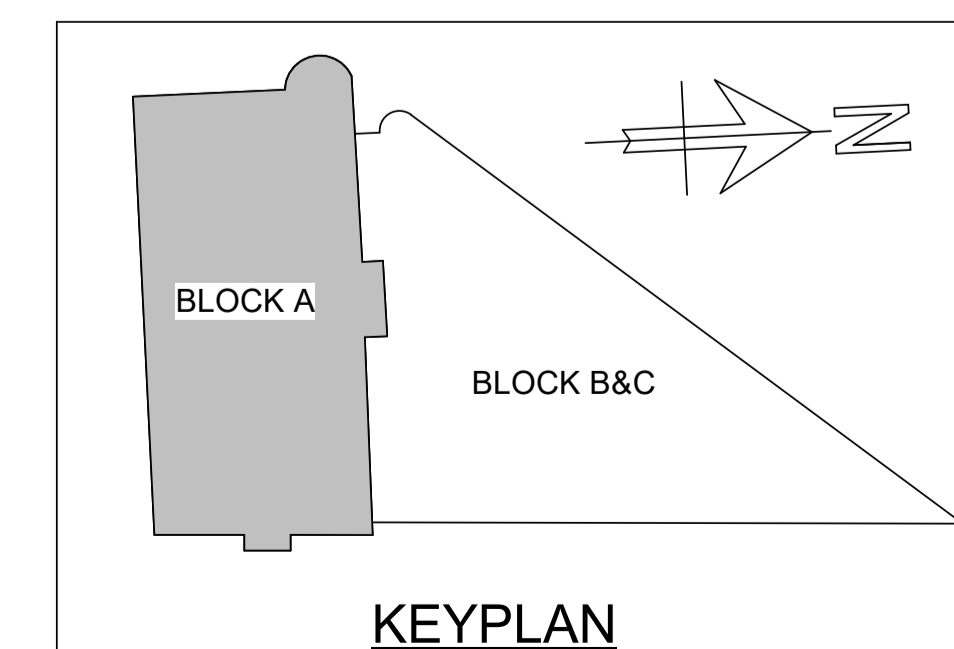
ADEQUACY OF EXISTING LIFT SHAFT WALLS SUBJECT TO FURTHER INVESTIGATION WORK. REVIEW OF OVERALL CONDITION, SIZE AND OUT OF PLUMB TOLERANCES REQUIRED TO ASCERTAIN THE REQUIREMENT FOR ANY REMEDIAL WORKS TO SHAFT WALLS TBC

STRATEGY FOR REMEDIAL WORKS IN ABEYANCE - TBC BY ARCHITECT



PLAN 01
1 : 75 S-00102
BLOCK A - LEVEL 01

REFERENCE	DESCRIPTION OF INTERVENTION	APPLICABLE DETAIL
01-001	LIFT PIT WORKS TBC. ASSUME FULL REPLACED OF MASONRY SHAFT WALLS REQUIRED.	TBC
01-002	NEW TIMBER FLOORS JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-ZZ-DR-S-00560
01-003	NEW TIMBER FLOORS JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-ZZ-DR-S-00560
01-004	NEW TIMBER FLOORS JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-ZZ-DR-S-00560
01-005	NEW TIMBER FLOORS JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-ZZ-DR-S-00560
01-006	NEW TIMBER FLOORS JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-ZZ-DR-S-00560
01-007	NEW TIMBER FLOORS JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-ZZ-DR-S-00560
01-008	MASONRY INFILL OF EXISTING LOAD BEARING WALL	4217-RAM-ZZ-ZZ-DR-S-00500



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P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
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			Chk	

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



BLOCK A
SECOND FLOOR GA

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-02-DR-S-00113	P02		

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- 4217-RAM-ZZ-04-DR-S-00165
- 4217-RAM-ZZ-RF-DR-S-00166

SIZE AND SETTING OUT OF ALL BUILDERSWORK OPENINGS TO BE CONFIRMED BY ARCHITECT AND MECHANICAL ENGINEER

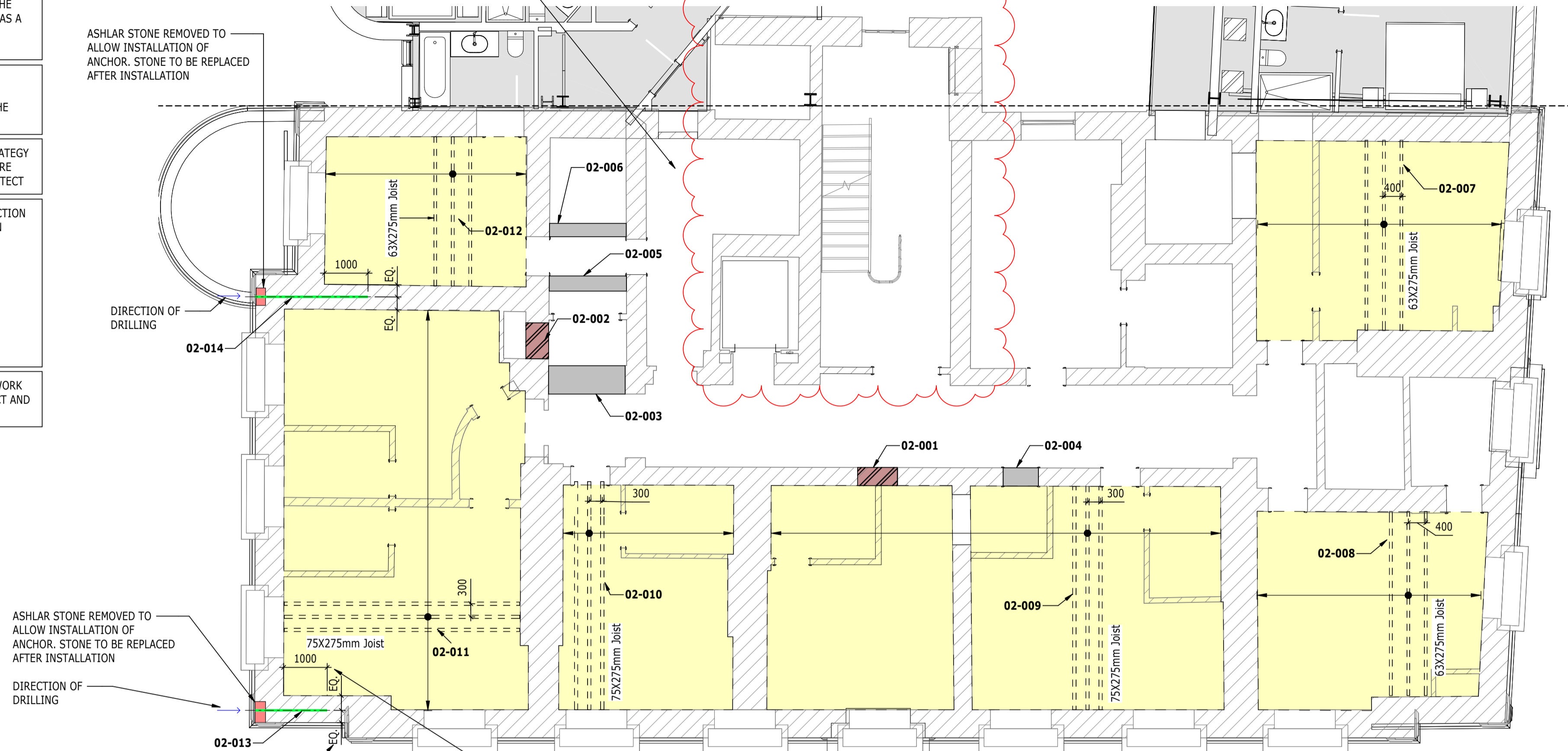
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STRATEGY FOR REMEDIAL WORKS IN ABEYANCE - TBC BY ARCHITECT

ASHLAR STONE REMOVED TO ALLOW INSTALLATION OF ANCHOR. STONE TO BE REPLACED AFTER INSTALLATION

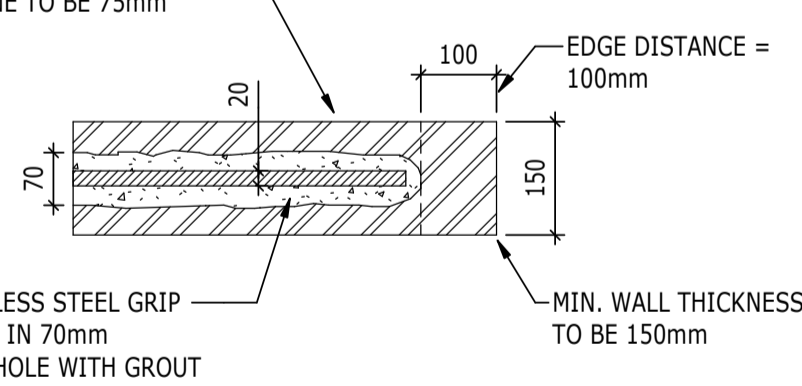
ASHLAR STONE REMOVED TO ALLOW INSTALLATION OF ANCHOR. STONE TO BE REPLACED AFTER INSTALLATION

ANCHOR SET OUT CENTRALLY OVER THICKNESS OF WALL, LOCATED AT HIGH LEVEL (JUST BELOW FLOOR ABOVE)

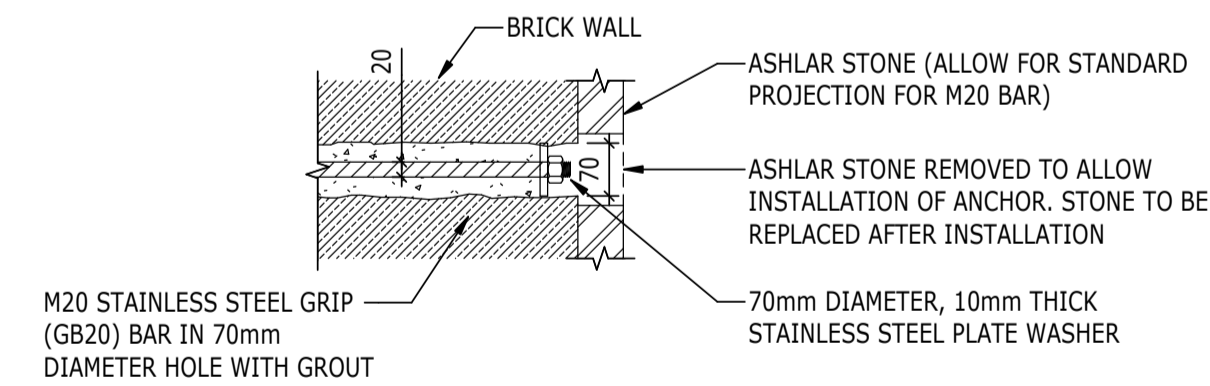


PLAN
1:75
BLOCK A - LEVEL 02

MINIMUM EDGE DISTANCE FROM EDGE OF CORE TO FACE OF STONE TO BE 75mm PRIOR TO DRILLING

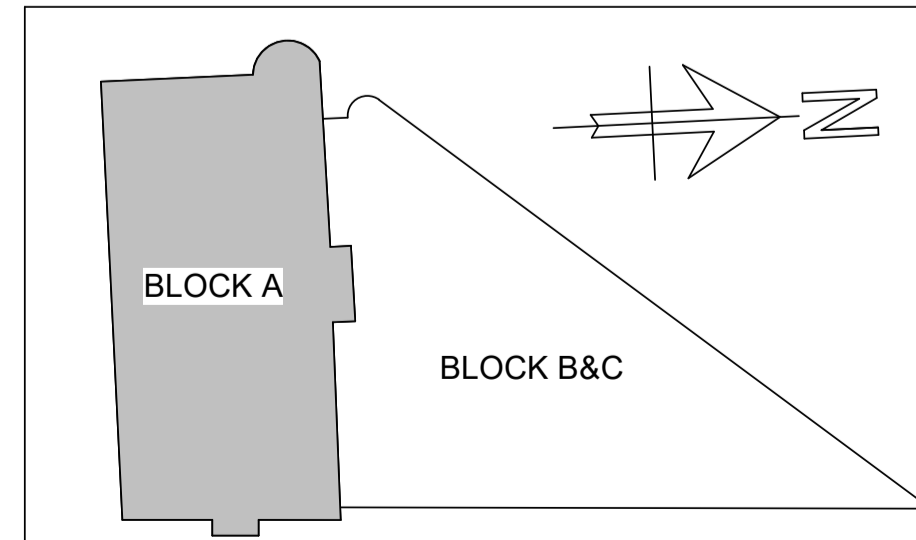


TYPICAL ANCHOR EDGE DISTANCE RESTRICTIONS (SCALE 1:10)



TYPICAL ANCHOR HEAD DETAIL (SCALE 1:10)

REFERENCE	DESCRIPTION OF INTERVENTION	APPLICABLE DETAIL
02-001	MASONRY INFILL OF EXISTING LOAD BEARING MASONRY WALL	4217-RAM-ZZ-ZZ-S-00500
02-002	MASONRY INFILL OF EXISTING LOAD BEARING MASONRY WALL	4217-RAM-ZZ-ZZ-S-00500
02-003	NEW STRUCTURAL OPENING IN EXISTING LOAD BEARING MASONRY WALL	4217-RAM-ZZ-ZZ-S-00500
02-004	NEW STRUCTURAL OPENING IN EXISTING LOAD BEARING MASONRY WALL	4217-RAM-ZZ-ZZ-S-00500
02-005	NEW STRUCTURAL OPENING IN EXISTING LOAD BEARING MASONRY WALL	4217-RAM-ZZ-ZZ-S-00500
02-006	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-ZZ-S-00560
02-007	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-ZZ-S-00560
02-008	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-ZZ-S-00560
02-009	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-ZZ-S-00560
02-010	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-ZZ-S-00560
02-011	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-ZZ-S-00560
02-012	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-ZZ-S-00560
02-013	CINTEC (O.E.A) ANCHOR AT LOCATION OF OUTWARD MOVEMENT OF WALL	
02-014	CINTEC (O.E.A) ANCHOR AT LOCATION OF OUTWARD MOVEMENT OF WALL	



KEYPLAN

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KEY TO SYMBOLS

- DENOTES NEW STRUCTURAL BEAM OVER OPENING
- DENOTES MASONRY INFILL TO EXISTING LOAD BEARING MASONRY WALL
- DENOTES NEW OPENING TO EXISTING LOAD BEARING MASONRY WALL
- DENOTES LOCATION OF PADSTONE. FOR DETAILS SEE DRAWING S-0000.
- DENOTES AREA OF NEW TIMBER FLOOR CONSTRUCTION. SEE PLAN FOR JOIST SIZES
- DENOTES AREA OF BASEMENT SLAB TO BE LOWERED
- DENOTES NEW OPENING AT LOCATION OF EXISTING WINDOW OPENING
- DENOTES EXISTING LOAD BEARING MASONRY WALL TO BE UNDERPINNED
- DENOTES TIE

THESE NOTES ARE BASED ON THE USE OF EXPERIENCED AND COMPETENT CONTRACTORS CARRYING OUT THE WORK USING AN APPROVED SAFE METHOD OF WORKING

WHERE RAMBOLL CDM HAZARD SYMBOLS (SUMMARIZED BELOW) ARE FOUND ON THE DRAWINGS, REFERENCE MUST BE MADE TO XXXX-XXX-XX-XX-X-XXXX. CHECK THE UNIQUE CDM ID IN THE TEXT NEXT TO THE SYMBOL FORMATTED: RAM-###

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P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By Chk	App

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
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BLOCK A
THIRD FLOOR GA

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-03-DR-S-00114	P02		

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY STABILITY OF THE WORKS AND ANY OTHER BUILDINGS, STRUCTURES, EXCAVATIONS OR FEATURES AFFECTED BY THE WORKS. THE CONTRACTOR SHALL ENSURE NO PART OF THE WORKS AND ANY OTHER BUILDINGS, STRUCTURES OR FEATURES AFFECTED BY THE WORKS ARE OVERSTRESSED OR DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES.

STRUCTURAL STEELWORK SHOWN ON PLAN INDICATIVELY. IT SHOULD BE NOTED THAT STEELWORK TO BE ABOVE THE LEVEL OF THE PROPOSED OPENING.

BASEMENT FLOOR SLAB REPLACEMENT STRATEGY AND ASSOCIATED WATERPROOFING/MOISTURE CONTROL TO BE CONFIRMED BY THE ARCHITECT

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT RAMBOLL DEMOLITION DRAWINGS:

- 4217-RAM-ZZ-B1-DR-S-00160
- 4217-RAM-ZZ-00-DR-S-00161
- 4217-RAM-ZZ-01-DR-S-00162
- 4217-RAM-ZZ-02-DR-S-00163
- 4217-RAM-ZZ-03-DR-S-00164
- 4217-RAM-ZZ-04-DR-S-00165
- 4217-RAM-ZZ-RF-DR-S-00166

SIZE AND SETTING OUT OF ALL BUILDERSWORK OPENINGS TO BE CONFIRMED BY ARCHITECT AND MECHANICAL ENGINEER

ADEQUACY OF EXISTING LIFT SHAFT WALLS SUBJECT TO FURTHER INVESTIGATION WORK. REVIEW OF OVERALL CONDITION, SIZE AND OUT OF PLUMB TOLERANCES REQUIRED TO ASCERTAIN THE REQUIREMENT FOR ANY REMEDIAL WORKS TO SHAFT WALLS TBC

EXISTING WINDOW OPENING OFF CURRENT STAIR TO BE EXTENDED TO FACILITATE NEW DOOR

INFILL OF EXISTING STAIR CORE. TRADITIONAL TIMBER FLOOR JOISTS TO BE INSTALLED TO CREATE NEW FLOOR

ASHLAR STONE REMOVED TO ALLOW INSTALLATION OF ANCHOR. STONE TO BE REPLACED AFTER INSTALLATION

DIRECTION OF DRILLING

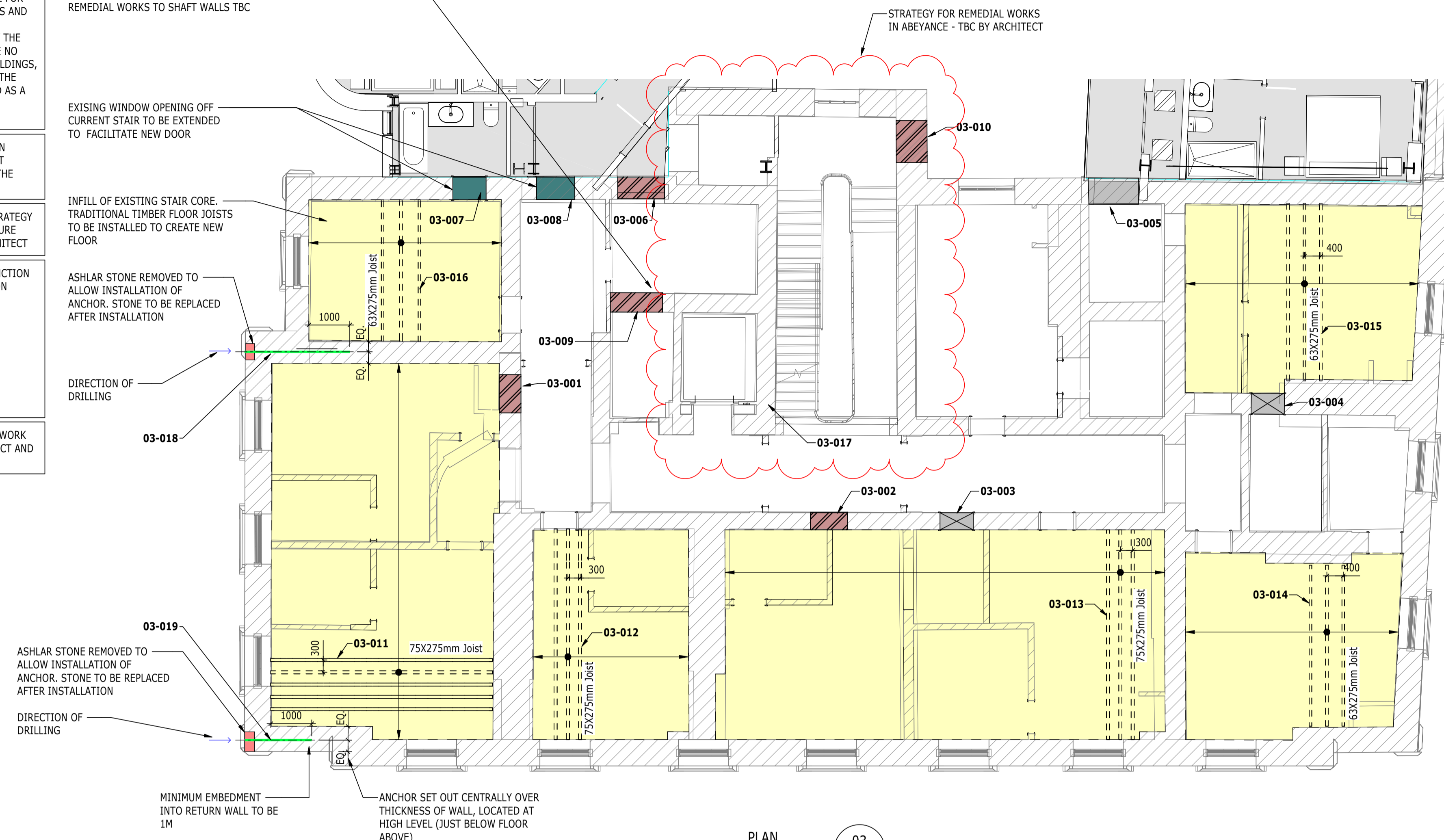
ASHLAR STONE REMOVED TO ALLOW INSTALLATION OF ANCHOR. STONE TO BE REPLACED AFTER INSTALLATION

DIRECTION OF DRILLING

MINIMUM EMBEDMENT INTO RETURN WALL TO BE 1M

ANCHOR SET OUT CENTRALLY OVER THICKNESS OF WALL, LOCATED AT HIGH LEVEL (JUST BELOW FLOOR ABOVE)

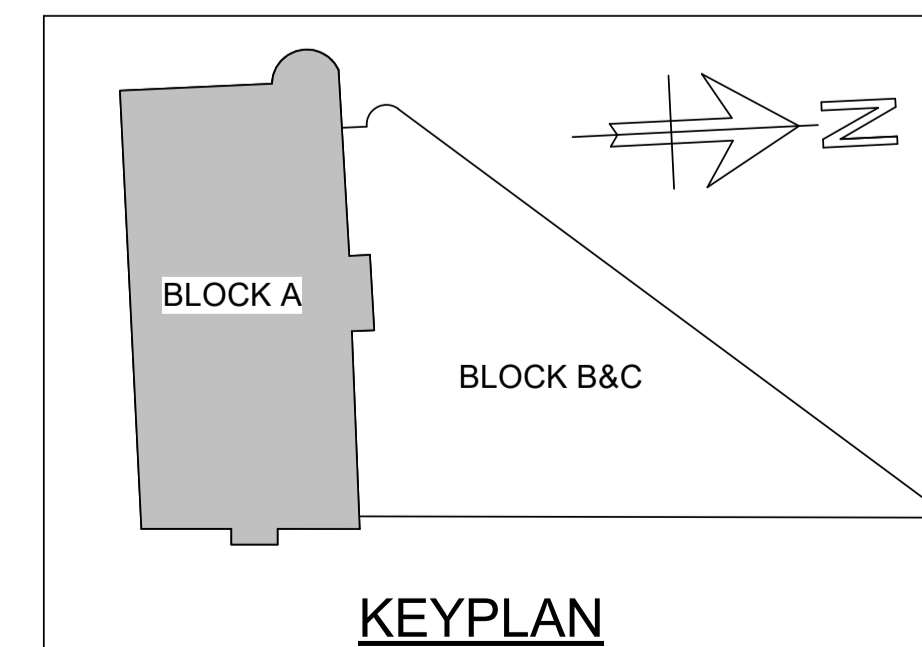
STRATEGY FOR REMEDIAL WORKS IN ABEYANCE - TBC BY ARCHITECT



FOR CINTEC ANCHOR DETAILS SEE DRAWING 4217-RAM-ZZ-02-DR-S-00113

PLAN 03
1 : 75
BLOCK A - LEVEL 03

REFERENCE	DESCRIPTION OF INTERVENTION	APPLICABLE DETAIL
03-001	MASONRY INFILL OF EXISTING LOAD BEARING MASONRY WALL	4217-RAM-XX-XX-DR-S-00500
03-002	MASONRY INFILL OF EXISTING LOAD BEARING MASONRY WALL	4217-RAM-XX-XX-DR-S-00500
03-003	NEW STRUCTURAL OPENING IN EXISTING LOAD BEARING MASONRY WALL	4217-RAM-XX-XX-DR-S-00500
03-004	NEW STRUCTURAL OPENING IN EXISTING LOAD BEARING MASONRY WALL	4217-RAM-XX-XX-DR-S-00500
03-005	NEW STRUCTURAL OPENING IN EXISTING LOAD BEARING MASONRY WALL	4217-RAM-XX-XX-DR-S-00500
03-006	MASONRY INFILL OF EXISTING LOAD BEARING MASONRY WALL	4217-RAM-XX-XX-DR-S-00500
03-007	NEW STRUCTURAL OPENING IN EXISTING LOAD BEARING MASONRY WALL	4217-RAM-XX-XX-DR-S-00500
03-008	NEW STRUCTURAL OPENING IN EXISTING LOAD BEARING MASONRY WALL	4217-RAM-XX-XX-DR-S-00500
03-009	MASONRY INFILL OF EXISTING LOAD BEARING MASONRY WALL	4217-RAM-XX-XX-DR-S-00500
03-010	MASONRY INFILL OF EXISTING LOAD BEARING MASONRY WALL	4217-RAM-XX-XX-DR-S-00500
03-011	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-XX-XX-DR-S-00560
03-012	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-XX-XX-DR-S-00560
03-013	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-XX-XX-DR-S-00560
03-014	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-XX-XX-DR-S-00560
03-015	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-XX-XX-DR-S-00560
03-016	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-XX-XX-DR-S-00560
03-017	LIFT WORKS TBC. ASSUME FULL REPLACEMENT OF MASONRY SHAFT WALLS REQUIRED.	TBC
03-018	CINTEC (O.E.A) ANCHOR AT LOCATION OF OUTWARD MOVEMENT OF WALL	4217-RAM-XX-02-DR-S-00113
03-019	CINTEC (O.E.A) ANCHOR AT LOCATION OF OUTWARD MOVEMENT OF WALL	4217-RAM-XX-02-DR-S-00113



NOTES

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KEY TO SYMBOLS

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P02	PLANNING & LBC ISSUE	16/12	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12	JC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



BLOCK A
FOURTH FLOOR GA

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	NOV'22	JC
Drawing No:			Rev:
4217-RAM-ZZ-04-DR-S-00115			P02

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY STABILITY OF THE WORKS AND ANY OTHER BUILDINGS, STRUCTURES, EXCAVATIONS OR FEATURES AFFECTED BY THE WORKS. THE CONTRACTOR SHALL ENSURE NO PART OF THE WORKS AND ANY OTHER BUILDINGS, STRUCTURES OR FEATURES AFFECTED BY THE WORKS ARE OVERSTRESSED OR DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES.

STRUCTURAL STEELWORK SHOWN ON PLAN INDICATIVELY. IT SHOULD BE NOTED THAT STEELWORK TO BE ABOVE THE LEVEL OF THE PROPOSED OPENING.

BASEMENT FLOOR SLAB REPLACEMENT STRATEGY AND ASSOCIATED WATERPROOFING/MOISTURE CONTROL TO BE CONFIRMED BY THE ARCHITECT

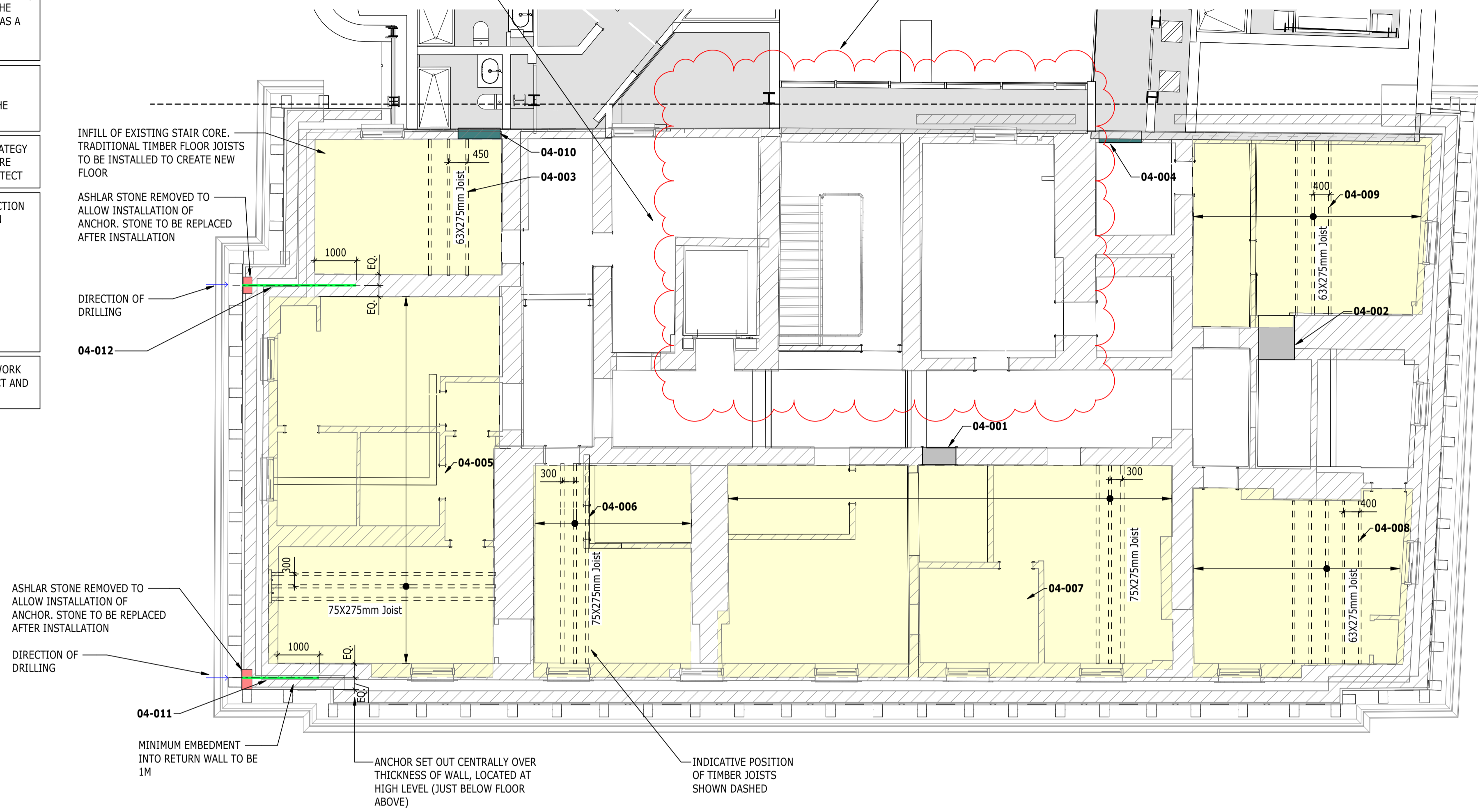
THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT RAMBOLL DEMOLITION DRAWINGS:

- 4217-RAM-ZZ-B1-DR-S-00160
- 4217-RAM-ZZ-00-DR-S-00161
- 4217-RAM-ZZ-01-DR-S-00162
- 4217-RAM-ZZ-02-DR-S-00163
- 4217-RAM-ZZ-03-DR-S-00164
- 4217-RAM-ZZ-04-DR-S-00165
- 4217-RAM-ZZ-RF-DR-S-00166

SIZE AND SETTING OUT OF ALL BUILDERSWORK OPENINGS TO BE CONFIRMED BY ARCHITECT AND MECHANICAL ENGINEER

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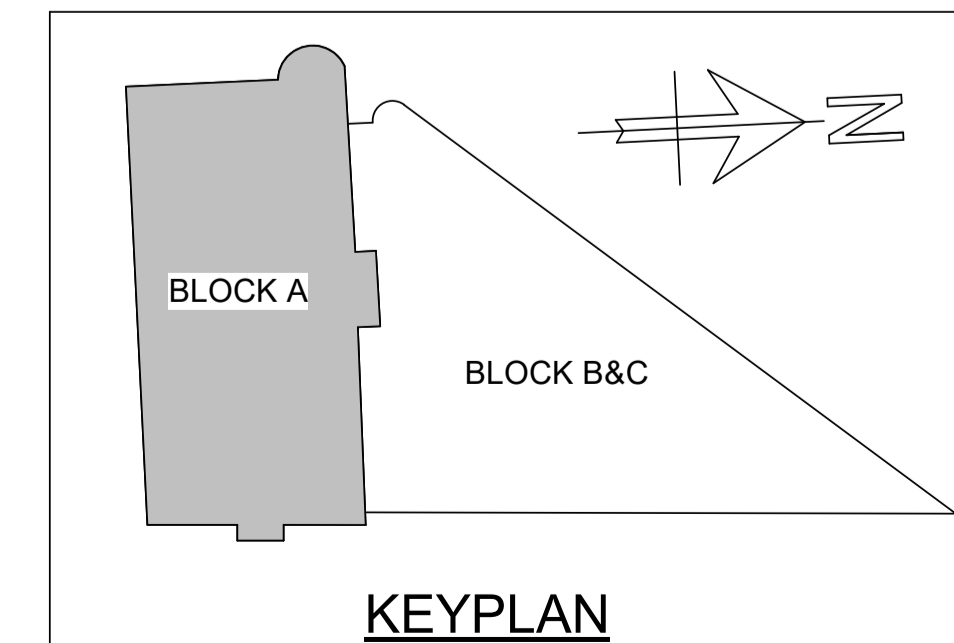
STRATEGY FOR REMEDIAL WORKS IN ABEYANCE - TBC BY ARCHITECT



FOR CINTEC ANCHOR DETAILS SEE DRAWING 4217-RAM-ZZ-02-DR-S-00113

PLAN
1 : 75
BLOCK A - LEVEL 04

REFERENCE	DESCRIPTION OF INTERVENTION	APPLICABLE DETAIL
04-001	NEW STRUCTURAL OPENING IN EXISTING LOAD BEARING MASONRY WALL	4217-RAM-XX-XX-DR-S-00560
04-002	NEW STRUCTURAL OPENING IN EXISTING LOAD BEARING MASONRY WALL	4217-RAM-XX-XX-DR-S-00560
04-003	NEW TIMBER FLOOR JOIST TO REPLACE EXISTING FLOOR JOIST CONSTRUCTION	4217-RAM-XX-XX-DR-S-00560
04-004	EXISTING WINDOW OPENING TO BE CONVERTED TO FULL HEIGHT DOOR OPENING	4217-RAM-XX-XX-DR-S-00500
04-005	NEW TIMBER FLOOR JOIST TO REPLACE EXISTING FLOOR JOIST CONSTRUCTION	4217-RAM-XX-XX-DR-S-00560
04-006	NEW TIMBER FLOOR JOIST TO REPLACE EXISTING FLOOR JOIST CONSTRUCTION	4217-RAM-XX-XX-DR-S-00560
04-007	NEW TIMBER FLOOR JOIST TO REPLACE EXISTING FLOOR JOIST CONSTRUCTION	4217-RAM-XX-XX-DR-S-00560
04-008	NEW TIMBER FLOOR JOIST TO REPLACE EXISTING FLOOR JOIST CONSTRUCTION	4217-RAM-XX-XX-DR-S-00560
04-009	NEW TIMBER FLOOR JOIST TO REPLACE EXISTING FLOOR JOIST CONSTRUCTION	4217-RAM-XX-XX-DR-S-00560
04-010	EXISTING WINDOW OPENING TO BE CONVERTED TO FULL HEIGHT DOOR OPENING	4217-RAM-XX-XX-DR-S-00500
04-011	CINTEC (O.E.A) ANCHOR AT LOCATION OF OUTWARD MOVEMENT OF WALL	4217-RAM-XX-02-DR-S-00113
04-012	CINTEC (O.E.A) ANCHOR AT LOCATION OF OUTWARD MOVEMENT OF WALL	4217-RAM-XX-02-DR-S-00113



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P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD

RAMBOLL

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BLOCK A
ROOF GA

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	NOV'22	JC
Drawing No:		Rev:	
4217-RAM-ZZ-04-DR-S-00116			P02

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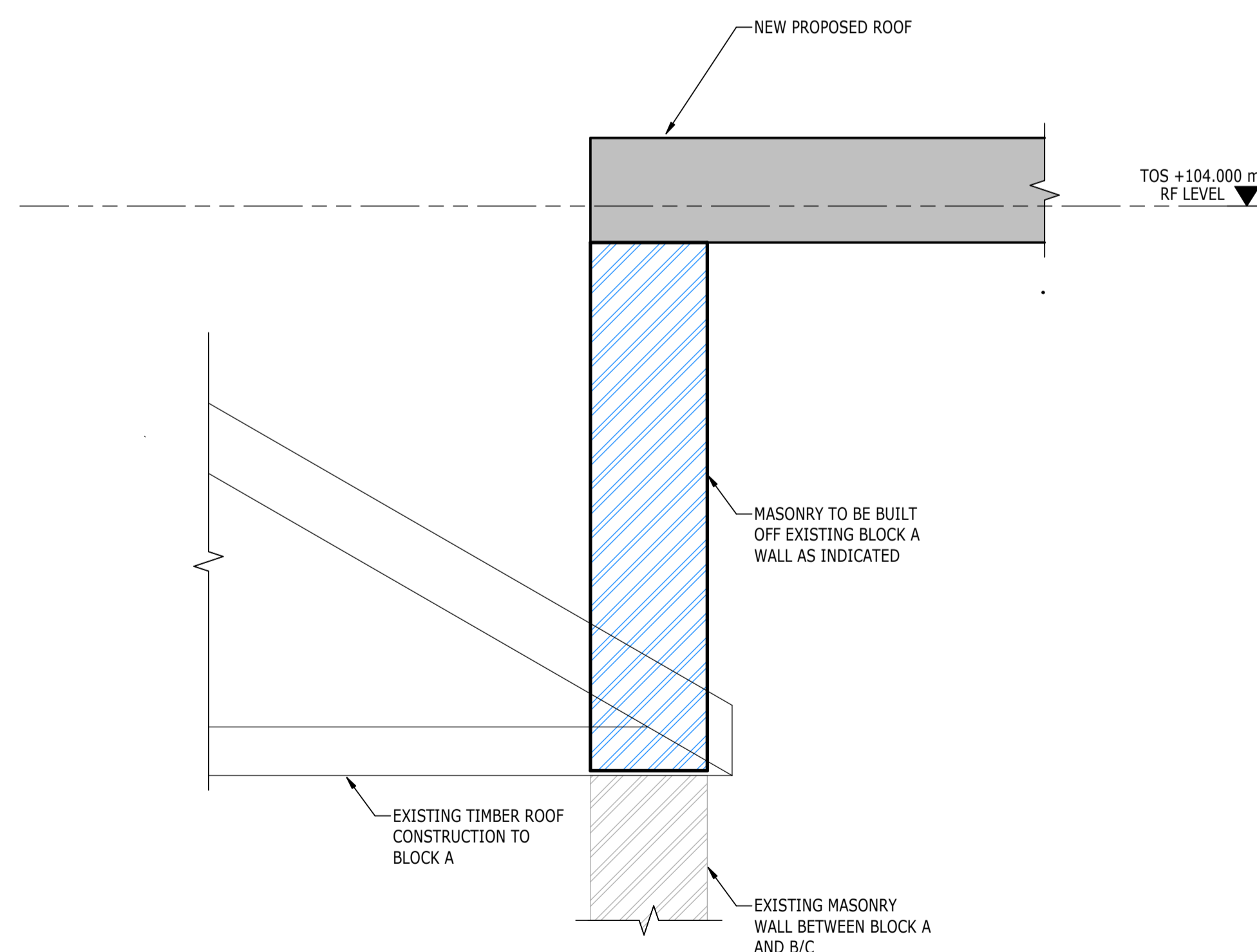
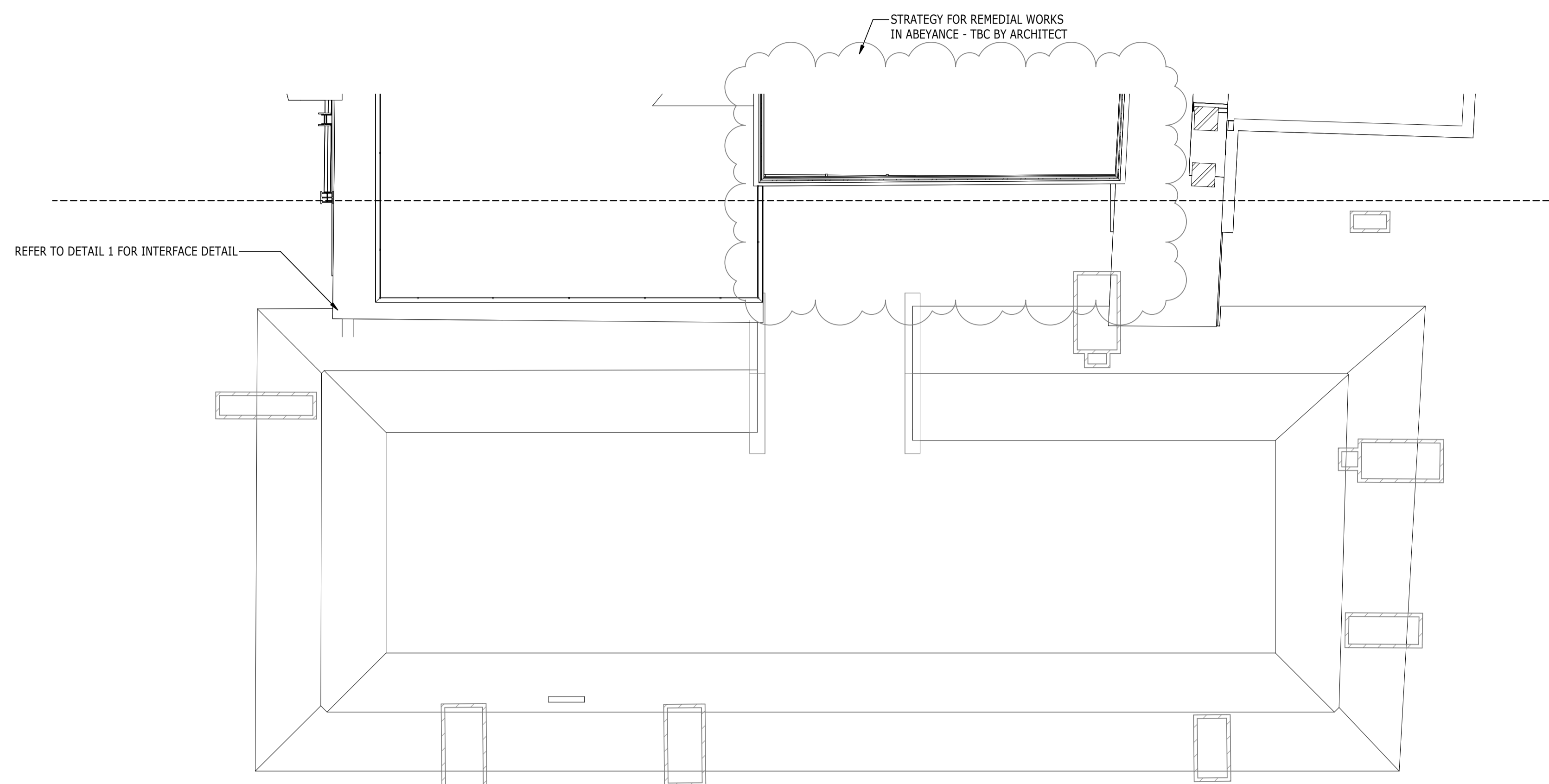
STRUCTURAL STEELWORK SHOWN ON PLAN INDICATIVELY. IT SHOULD BE NOTED THAT STEELWORK TO BE ABOVE THE LEVEL OF THE PROPOSED OPENING.

BASEMENT FLOOR SLAB REPLACEMENT STRATEGY AND ASSOCIATED WATERPROOFING/MOISTURE CONTROL TO BE CONFIRMED BY THE ARCHITECT

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- 4217-RAM-ZZ-02-DR-S-00163
- 4217-RAM-ZZ-03-DR-S-00164
- 4217-RAM-ZZ-04-DR-S-00165
- 4217-RAM-ZZ-RF-DR-S-00166

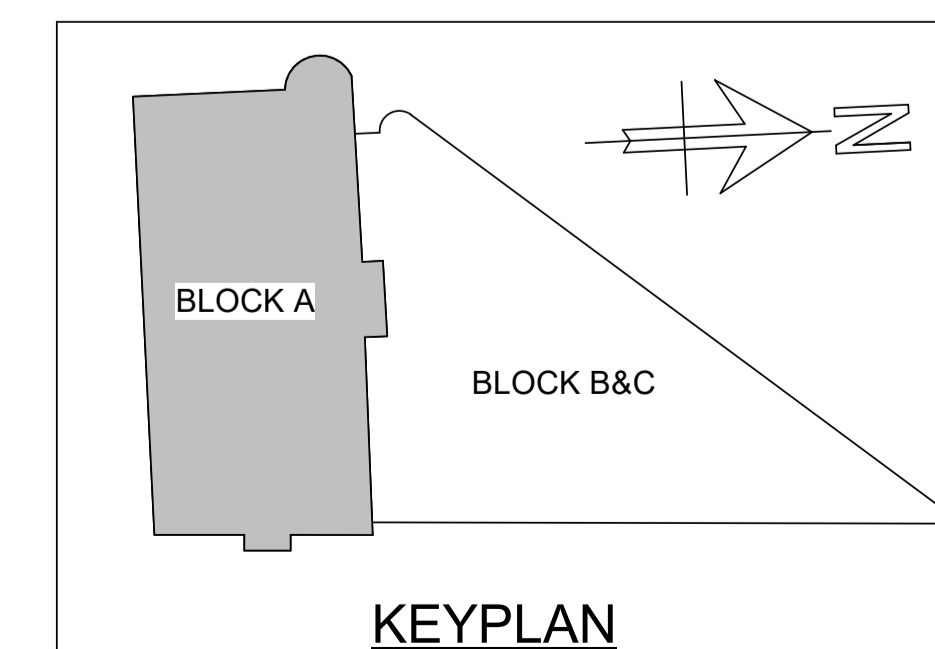
SIZE AND SETTING OUT OF ALL BUILDERSWORK OPENINGS TO BE CONFIRMED BY ARCHITECT AND MECHANICAL ENGINEER



PLAN
1 : 75
BLOCK A - RF LEVEL

RF
S-00116

DETAIL
1
1 : 10
TYPICAL DETAIL AT BLOCK A ROOF INTERFACE



KEYPLAN

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UNFACTORED VARIABLE LOAD

PATTERN	DESCRIPTION	LOAD kN/m ²
[Yellow]	CIRCULATION	4.0
[Green]	BEDROOMS	2.0+1.0 (PARTITIONS) = 3.0
[Pink]	KITCHENS	3.0
[Cyan]	DINING/BANQUET HALL	5.0
[Blue]	WALKWAYS (2-WAY PEDESTRIAN TRAFFIC)	5.0
[Orange]	STORAGE SPACE	5.0
[Red]	ROOF LOADING (MAINTENANCE ACCESS ONLY)	0.6
[Dark Green]	PLANT LOADING	7.5
[Grey]	GENERAL USE - STAFF CHANGING	2.5
[Light Grey]	GENERAL USE - COMMS	3.0
[Blue-Red]	GYM	5.0
[Brown]	GENERAL USE	2.5
[White]	WATER TANK LOADING	TBC

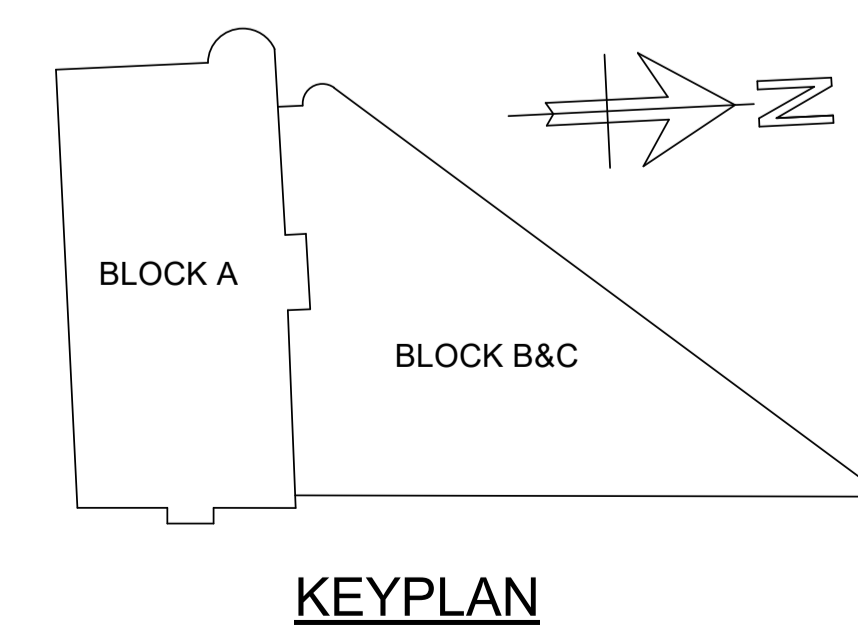
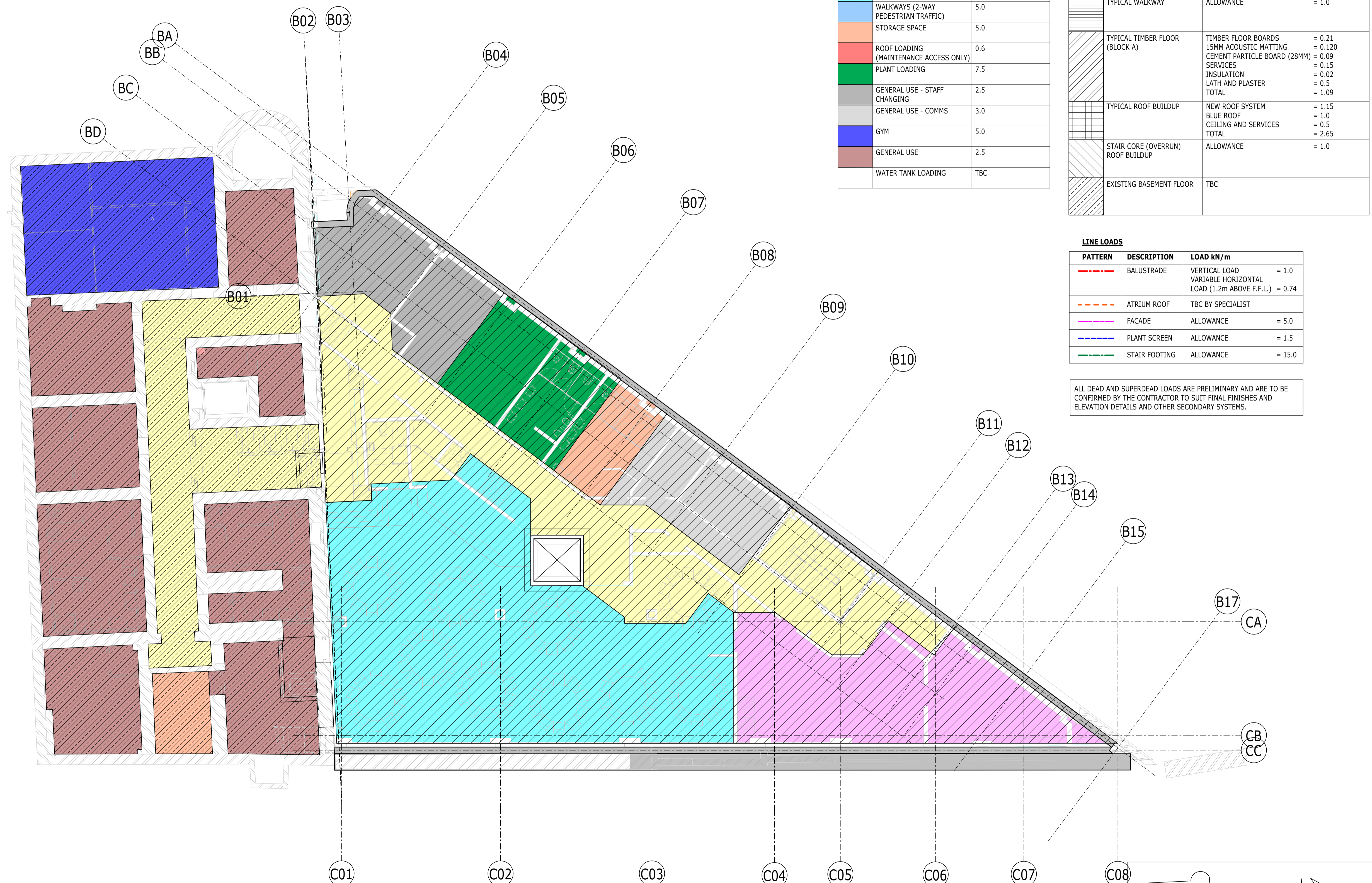
UNFACTORED SUPERIMPOSED DEAD LOAD

PATTERN	DESCRIPTION	LOAD kN/m ²
[Diagonal Hatching]	NEW BASEMENT FLOOR	75mm thk SCREED = 1.9 INSULATION & DRAINED CAVITY SYSTEM = 0.5kN/m LOWER SCREED = 1.9
[Cross Hatching]	TYPICAL FLOOR BUILDUP	75mm SCREED = 1.9 ALLOW FOR CEILING & SERVICES = 0.5 TOTAL = 2.4
[Horizontal Hatching]	TYPICAL WALKWAY	ALLOWANCE = 1.0
[Vertical Hatching]	TYPICAL TIMBER FLOOR (BLOCK A)	TIMBER FLOOR BOARDS = 0.21 15MM ACOUSTIC MATTING = 0.120 CEMENT PARTICLE BOARD (28MM) = 0.09 SERVICES = 0.15 INSULATION = 0.02 LATH AND PLASTER = 0.5 TOTAL = 1.09
[Grid Hatching]	TYPICAL ROOF BUILDUP	NEW ROOF SYSTEM = 1.15 BLUE ROOF = 1.0 CEILING AND SERVICES = 0.5 TOTAL = 2.65
[Diagonal Hatching]	STAIR CORE (OVERRUN) ROOF BUILDUP	ALLOWANCE = 1.0
[Diagonal Hatching]	EXISTING BASEMENT FLOOR	TBC

LINE LOADS

PATTERN	DESCRIPTION	LOAD kN/m
[Red Dashed]	BALUSTRADE	VERTICAL LOAD = 1.0 VARIABLE HORIZONTAL LOAD (1.2m ABOVE F.F.L.) = 0.74
[Orange Dashed]	ATRIUM ROOF	TBC BY SPECIALIST
[Pink Dashed]	FACADE	ALLOWANCE = 5.0
[Blue Dashed]	PLANT SCREEN	ALLOWANCE = 1.5
[Green Dashed]	STAIR FOOTING	ALLOWANCE = 15.0

ALL DEAD AND SUPERDEAD LOADS ARE PRELIMINARY AND ARE TO BE CONFIRMED BY THE CONTRACTOR TO SUIT FINAL FINISHES AND ELEVATION DETAILS AND OTHER SECONDARY SYSTEMS.



PLAN
1 : 100
LP-LEVEL B1

1
S-00110

P02	PLANNING & LBC ISSUE	16/12	JC	PM
P01	PRELIMINARY DRAFT ISSUE	20/12	AC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD

RAMBOLL

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LOADING PLAN
BASEMENT LEVEL

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 100	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-B1-DR-S-00170	P02		

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UNFACTORED VARIABLE LOAD

PATTERN	DESCRIPTION	LOAD kN/m ²
[Yellow]	CIRCULATION	4.0
[Green]	BEDROOMS	2.0+1.0 (PARTITIONS) = 3.0
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[Cyan]	DINING/BANQUET HALL	5.0
[Blue]	WALKWAYS (2-WAY PEDESTRIAN TRAFFIC)	5.0
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[White]	WATER TANK LOADING	TBC

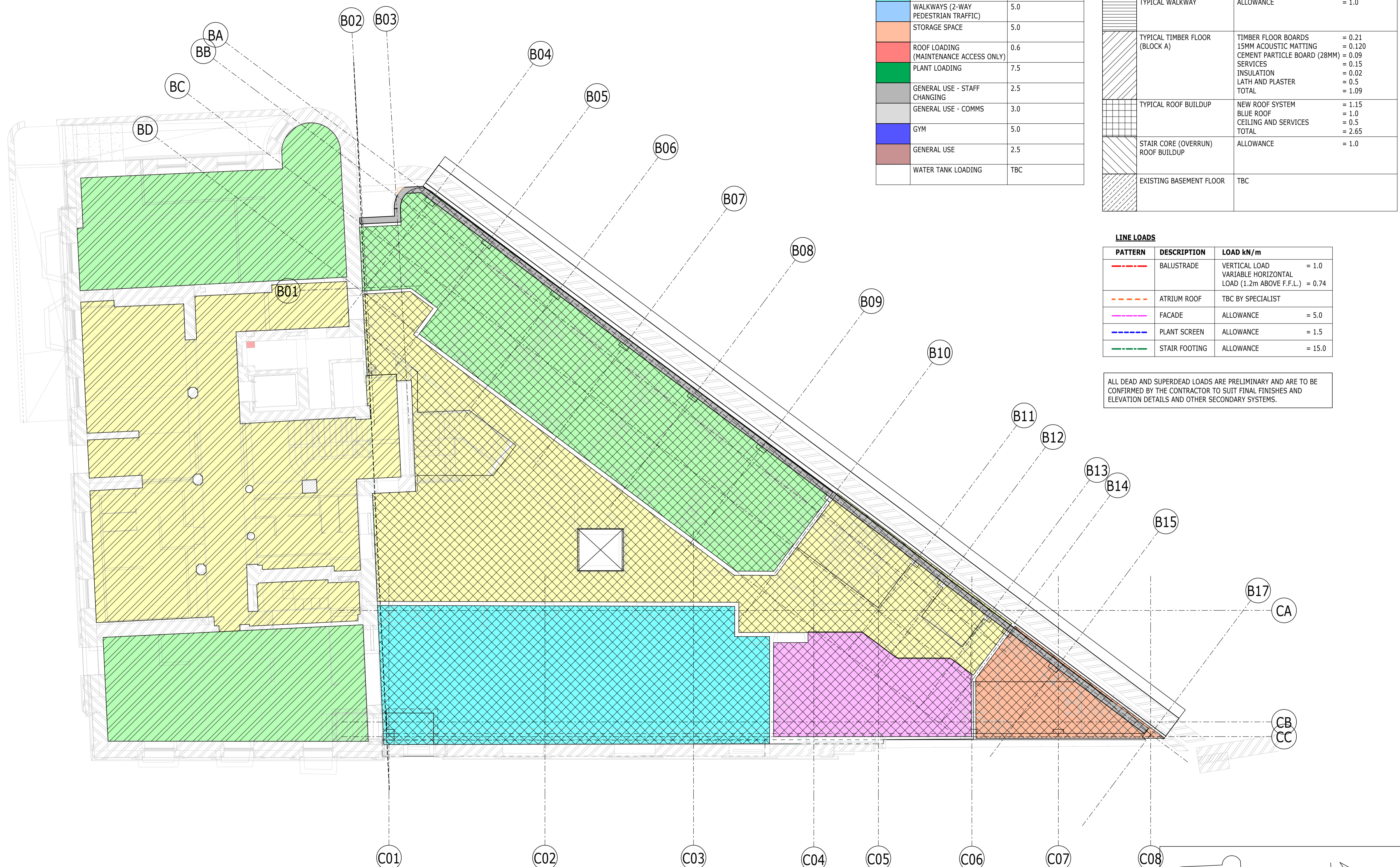
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PATTERN	DESCRIPTION	LOAD kN/m ²
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[Horizontal Hatching]	TYPICAL WALKWAY	ALLOWANCE = 1.0
[Vertical Hatching]	TYPICAL TIMBER FLOOR (BLOCK A)	TIMBER FLOOR BOARDS = 0.21 15MM ACOUSTIC MATTING = 0.120 CEMENT PARTICLE BOARD (28MM) = 0.09 SERVICES = 0.15 INSULATION = 0.02 LATH AND PLASTER = 0.5 TOTAL = 1.09
[Grid Hatching]	TYPICAL ROOF BUILDUP	NEW ROOF SYSTEM = 1.15 BLUE ROOF = 1.0 CEILING AND SERVICES = 0.5 TOTAL = 2.65
[Diagonal Hatching]	STAIR CORE (OVERRUN) ROOF BUILDUP	ALLOWANCE = 1.0
[Diagonal Hatching]	EXISTING BASEMENT FLOOR	TBC

LINE LOADS

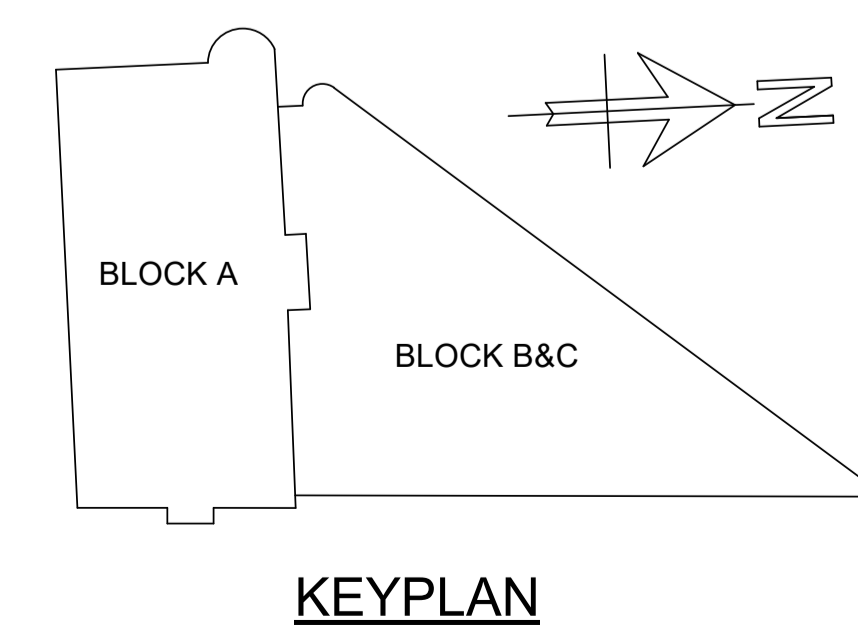
PATTERN	DESCRIPTION	LOAD kN/m
[Red Dashed]	BALUSTRADE	VERTICAL LOAD = 1.0 VARIABLE HORIZONTAL LOAD (1.2m ABOVE F.F.L.) = 0.74
[Orange Dashed]	ATRIUM ROOF	TBC BY SPECIALIST
[Pink Dashed]	FACADE	ALLOWANCE = 5.0
[Blue Dashed]	PLANT SCREEN	ALLOWANCE = 1.5
[Green Dashed]	STAIR FOOTING	ALLOWANCE = 15.0

ALL DEAD AND SUPERDEAD LOADS ARE PRELIMINARY AND ARE TO BE CONFIRMED BY THE CONTRACTOR TO SUIT FINAL FINISHES AND ELEVATION DETAILS AND OTHER SECONDARY SYSTEMS.



PLAN
1 : 100
LP-LEVEL 00

1
S-00205



P02	PLANNING & LBC ISSUE	16/12	JC	PM
P01	PRELIMINARY DRAFT ISSUE	20/12	AC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



LOADING PLAN
GROUND FLOOR

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 100	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-00-DR-S-00171	P02		

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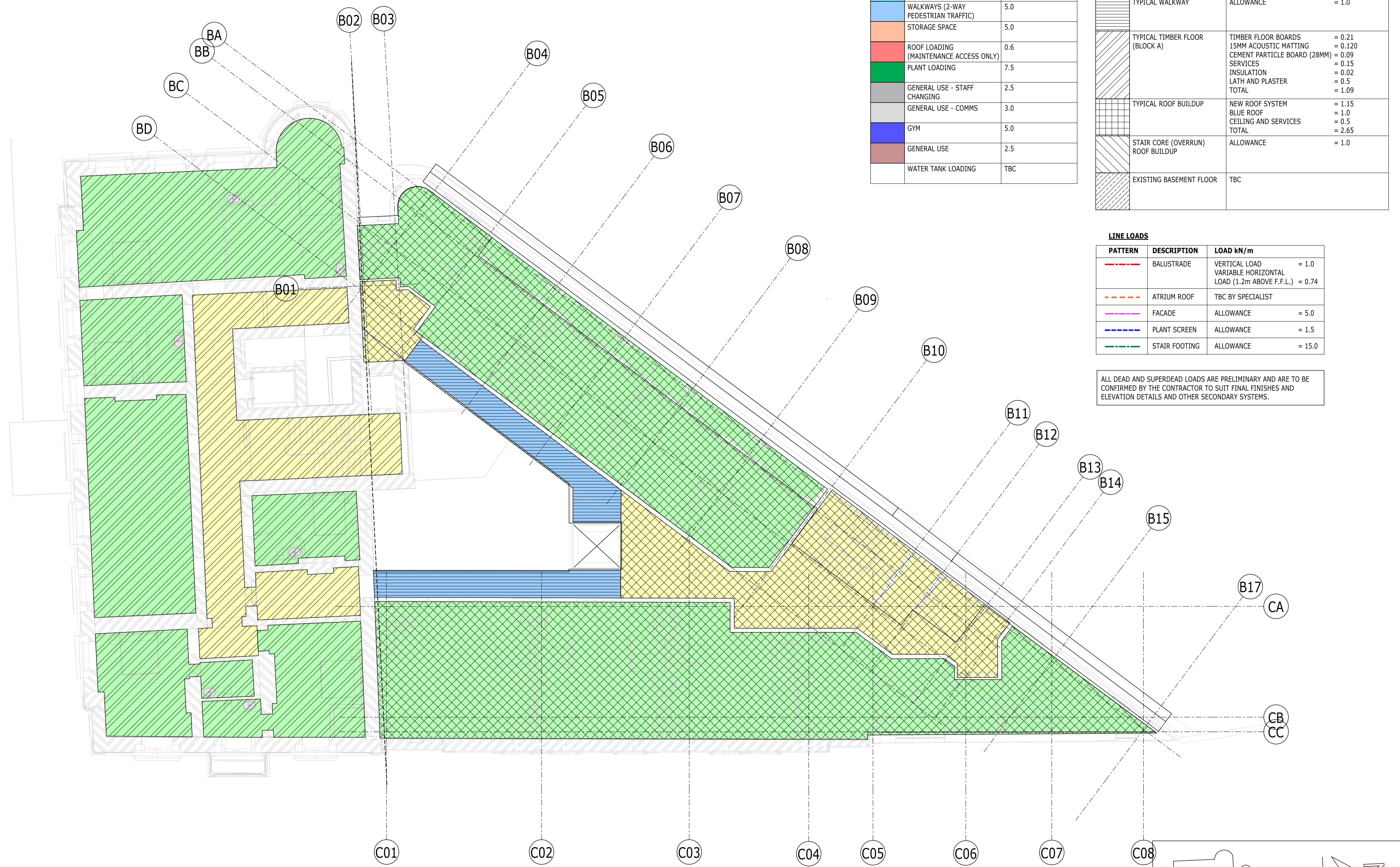
- NOTES
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 - ALL LEVELS ARE IN METRES ABOVE ORDANCE DATUM U.N.O.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.

UNFACTORED VARIABLE LOAD		
PATTERN	DESCRIPTION	LOAD kN/m ²
[Yellow]	CIRCULATION	4.0
[Green]	BEDROOMS	2.0+1.0 (PARTITIONS) = 3.0
[Pink]	KITCHENS	3.0
[Cyan]	DINING/BANQUET HALL	5.0
[Blue]	WALKWAYS (2-WAY PEDESTRIAN TRAFFIC)	5.0
[Orange]	STORAGE SPACE	5.0
[Red]	ROOF LOADING (MAINTENANCE ACCESS ONLY)	0.6
[Dark Green]	PLANT LOADING	7.5
[Grey]	GENERAL USE - STAFF CHANGING	2.5
[Light Grey]	GENERAL USE - COMMS	3.0
[Blue-Black]	GYM	5.0
[Brown]	GENERAL USE	2.5
[White]	WATER TANK LOADING	TBC

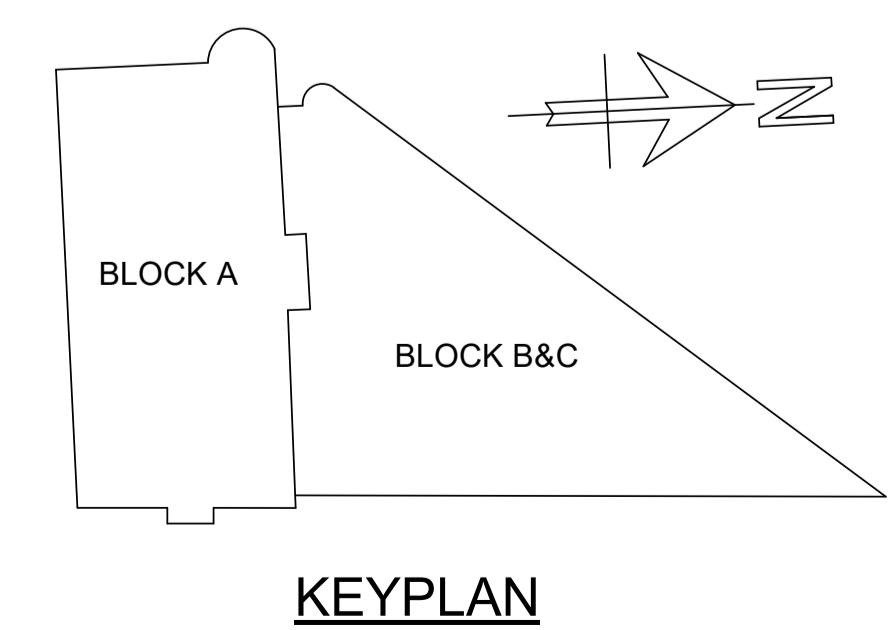
UNFACTORED SUPERIMPOSED DEAD LOAD		
PATTERN	DESCRIPTION	LOAD kN/m ²
[Diagonal Hatching]	NEW BASEMENT FLOOR	75mm thk SCREED = 1.9 INSULATION & DRAINED CAVITY SYSTEM = 0.5kN/m LOWER SCREED = 1.9
[Cross Hatching]	TYPICAL FLOOR BUILDUP	75mm SCREED = 1.9 ALLOW FOR CEILING & SERVICES = 0.5 TOTAL = 2.4
[Horizontal Hatching]	TYPICAL WALKWAY	ALLOWANCE = 1.0
[Diagonal Hatching]	TYPICAL TIMBER FLOOR (BLOCK A)	TIMBER FLOOR BOARDS = 0.21 15MM ACOUSTIC MATTING = 0.120 CEMENT PARTICLE BOARD (28MM) = 0.09 SERVICES = 0.15 INSULATION = 0.02 LATH AND PLASTER = 0.5 TOTAL = 1.09
[Cross Hatching]	TYPICAL ROOF BUILDUP	NEW ROOF SYSTEM = 1.15 BLUE ROOF = 1.0 CEILING AND SERVICES = 0.5 TOTAL = 2.65
[Diagonal Hatching]	STAIR CORE (OVERRUN) ROOF BUILDUP	ALLOWANCE = 1.0
[Diagonal Hatching]	EXISTING BASEMENT FLOOR	TBC

LINE LOADS		
PATTERN	DESCRIPTION	LOAD kN/m
[Red Dashed]	BALUSTRADE	VERTICAL LOAD = 1.0 VARIABLE HORIZONTAL LOAD (1.2m ABOVE F.F.L.) = 0.74
[Orange Dashed]	ATRIUM ROOF	TBC BY SPECIALIST
[Pink Dashed]	FACADE	ALLOWANCE = 5.0
[Blue Dashed]	PLANT SCREEN	ALLOWANCE = 1.5
[Green Dashed]	STAIR FOOTING	ALLOWANCE = 15.0

ALL DEAD AND SUPERDEAD LOADS ARE PRELIMINARY AND ARE TO BE CONFIRMED BY THE CONTRACTOR TO SUIT FINAL FINISHES AND ELEVATION DETAILS AND OTHER SECONDARY SYSTEMS.



PLAN 1
1 : 100 S-00206
LP-LEVEL 01



P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
			Chk	

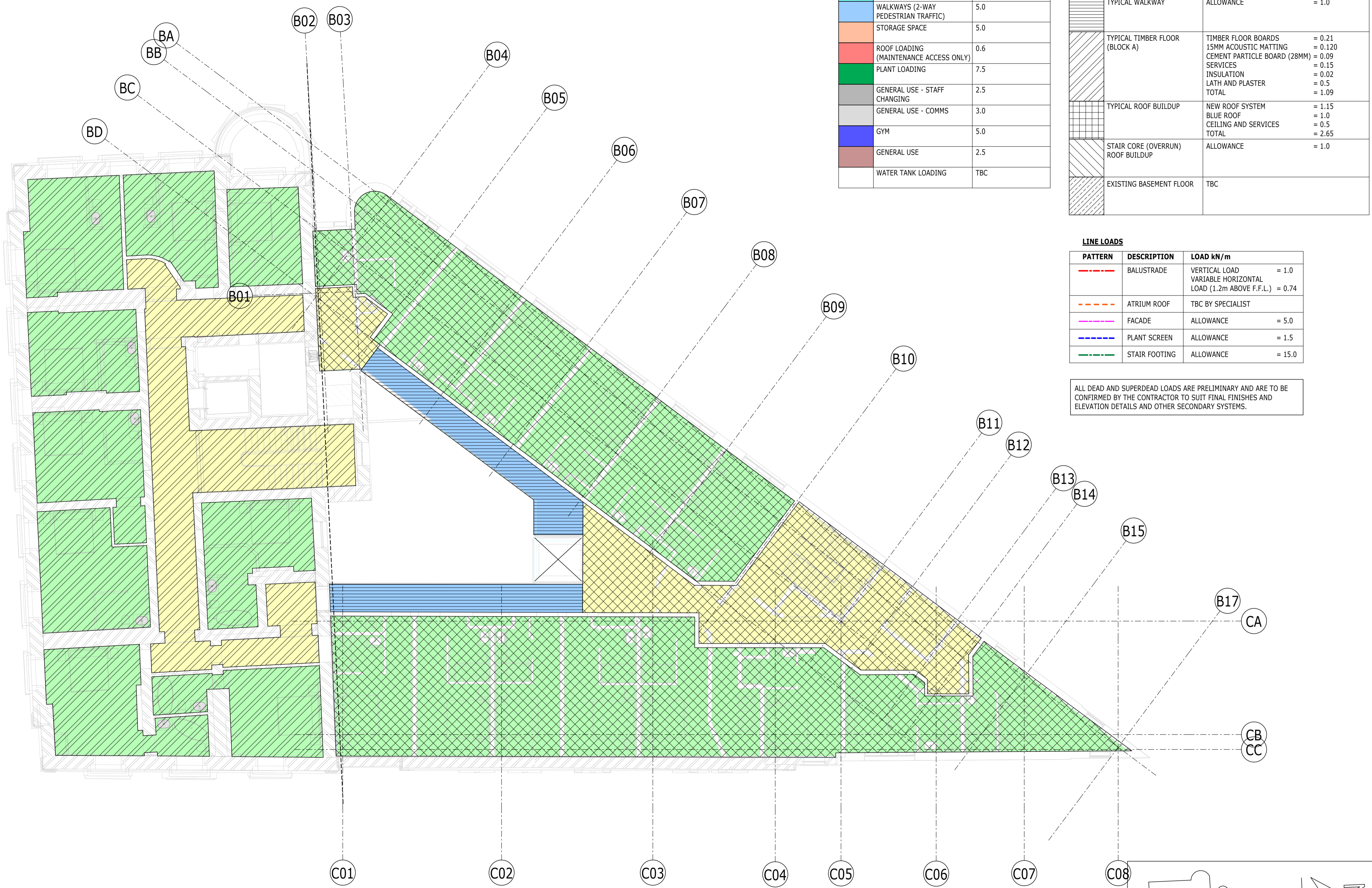
S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



LOADING PLAN
FIRST FLOOR

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 100	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-01-DR-S-00172	P02		



UNFACTORED VARIABLE LOAD

PATTERN	DESCRIPTION	LOAD kN/m ²
[Yellow]	CIRCULATION	4.0
[Green]	BEDROOMS	2.0+1.0 (PARTITIONS) = 3.0
[Pink]	KITCHENS	3.0
[Cyan]	DINING/BANQUET HALL	5.0
[Blue]	WALKWAYS (2-WAY PEDESTRIAN TRAFFIC)	5.0
[Orange]	STORAGE SPACE	5.0
[Red]	ROOF LOADING (MAINTENANCE ACCESS ONLY)	0.6
[Dark Green]	PLANT LOADING	7.5
[Grey]	GENERAL USE - STAFF CHANGING	2.5
[Grey]	GENERAL USE - COMMS	3.0
[Light Blue]	GYM	5.0
[Dark Blue]	GENERAL USE	2.5
[Brown]	WATER TANK LOADING	TBC

UNFACTORED SUPERIMPOSED DEAD LOAD

PATTERN	DESCRIPTION	LOAD kN/m ²
[Diagonal Hatching]	NEW BASEMENT FLOOR	75mm thk SCREED = 1.9 INSULATION & DRAINED CAVITY SYSTEM = 0.5kN/m LOWER SCREED = 1.9
[Diagonal Hatching]	TYPICAL FLOOR BUILDUP	75mm SCREED = 1.9 ALLOW FOR CEILING & SERVICES = 0.5 TOTAL = 2.4
[Diagonal Hatching]	TYPICAL WALKWAY	ALLOWANCE = 1.0
[Diagonal Hatching]	TYPICAL TIMBER FLOOR (BLOCK A)	TIMBER FLOOR BOARDS = 0.21 15MM ACOUSTIC MATTING = 0.120 CEMENT PARTICLE BOARD (28MM) = 0.09 SERVICES = 0.15 INSULATION = 0.02 LATH AND PLASTER = 0.5 TOTAL = 1.09
[Diagonal Hatching]	TYPICAL ROOF BUILDUP	NEW ROOF SYSTEM = 1.15 BLUE ROOF = 1.0 CEILING AND SERVICES = 0.5 TOTAL = 2.65
[Diagonal Hatching]	STAIR CORE (OVERRUN) ROOF BUILDUP	ALLOWANCE = 1.0
[Diagonal Hatching]	EXISTING BASEMENT FLOOR	TBC

LINE LOADS

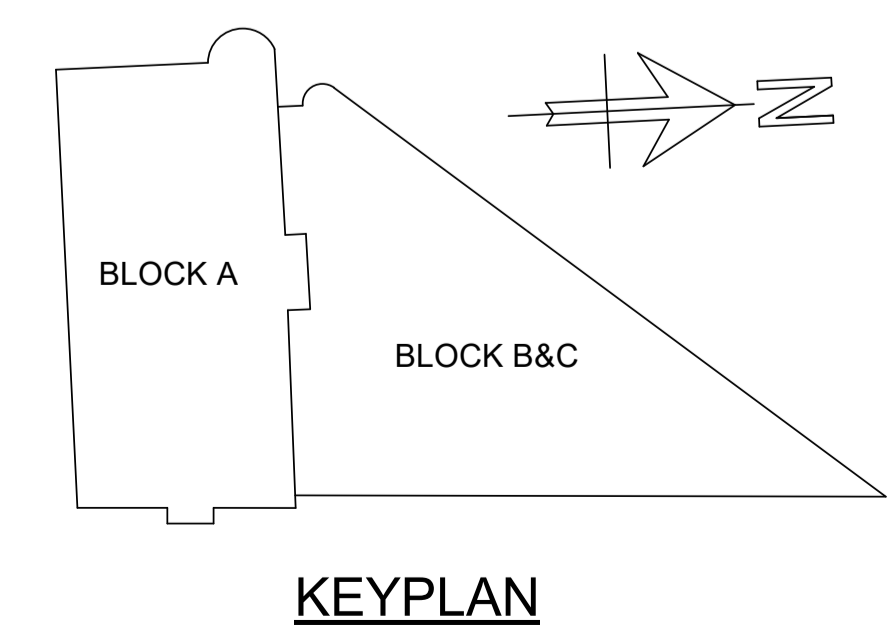
PATTERN	DESCRIPTION	LOAD kN/m
[Red Dashed]	BALUSTRADE	VERTICAL LOAD = 1.0 VARIABLE HORIZONTAL LOAD (1.2m ABOVE F.F.L.) = 0.74
[Orange Dashed]	ATRIUM ROOF	TBC BY SPECIALIST
[Pink Dashed]	FACADE	ALLOWANCE = 5.0
[Blue Dashed]	PLANT SCREEN	ALLOWANCE = 1.5
[Green Dashed]	STAIR FOOTING	ALLOWANCE = 15.0

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PLAN
1 : 100
S-00300
LP-LEVEL 02



P02	PLANNING & LBC ISSUE	16/12	JC	PM
P01	PRELIMINARY DRAFT ISSUE	20/12	AC	PM
Rev	Description	Date	By	App
			Chk	

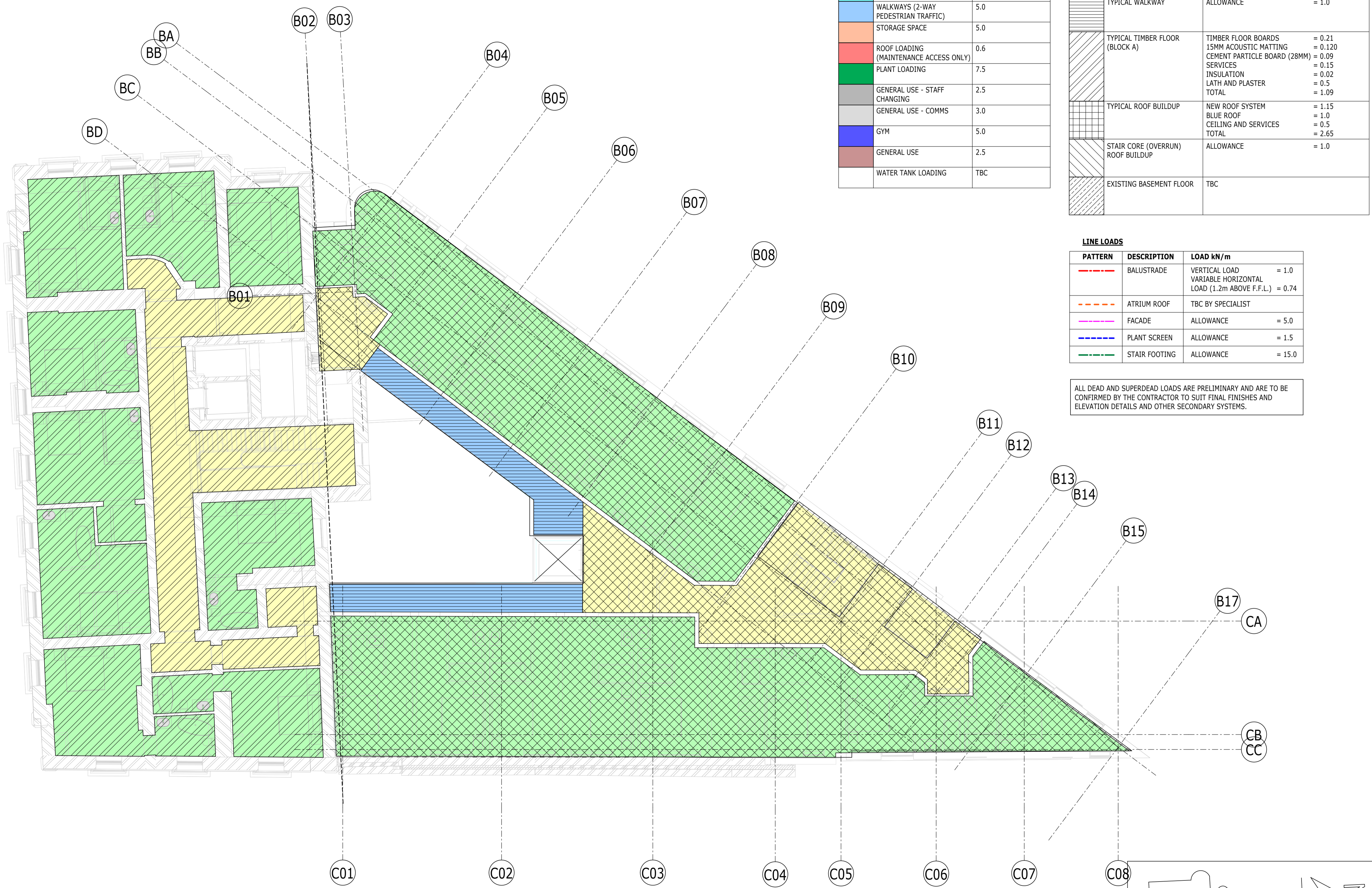
S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



LOADING PLAN
SECOND FLOOR

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 100	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-02-DR-S-00173	P02		



UNFACTORED VARIABLE LOAD		
PATTERN	DESCRIPTION	LOAD kN/m ²
[Yellow]	CIRCULATION	4.0
[Green]	BEDROOMS	2.0+1.0 (PARTITIONS) = 3.0
[Pink]	KITCHENS	3.0
[Cyan]	DINING/BANQUET HALL	5.0
[Blue]	WALKWAYS (2-WAY PEDESTRIAN TRAFFIC)	5.0
[Orange]	STORAGE SPACE	5.0
[Red]	ROOF LOADING (MAINTENANCE ACCESS ONLY)	0.6
[Dark Green]	PLANT LOADING	7.5
[Grey]	GENERAL USE - STAFF CHANGING	2.5
[Light Grey]	GENERAL USE - COMMS	3.0
[Blue-Black]	GYM	5.0
[Brown]	GENERAL USE	2.5
[White]	WATER TANK LOADING	TBC

UNFACTORED SUPERIMPOSED DEAD LOAD		
PATTERN	DESCRIPTION	LOAD kN/m ²
[Diagonal Hatching]	NEW BASEMENT FLOOR	75mm thk SCREED = 1.9 INSULATION & DRAINED CAVITY SYSTEM = 0.5kN/m LOWER SCREED = 1.9
[Cross Hatching]	TYPICAL FLOOR BUILDUP	75mm SCREED = 1.9 ALLOW FOR CEILING & SERVICES = 0.5 TOTAL = 2.4
[Horizontal Hatching]	TYPICAL WALKWAY	ALLOWANCE = 1.0
[Vertical Hatching]	TYPICAL TIMBER FLOOR (BLOCK A)	TIMBER FLOOR BOARDS = 0.21 15MM ACOUSTIC MATTING = 0.120 CEMENT PARTICLE BOARD (28MM) = 0.09 SERVICES = 0.15 INSULATION = 0.02 LATH AND PLASTER = 0.5 TOTAL = 1.09
[Grid Hatching]	TYPICAL ROOF BUILDUP	NEW ROOF SYSTEM = 1.15 BLUE ROOF = 1.0 CEILING AND SERVICES = 0.5 TOTAL = 2.65
[Diagonal Hatching]	STAIR CORE (OVERRUN) ROOF BUILDUP	ALLOWANCE = 1.0
[Diagonal Hatching]	EXISTING BASEMENT FLOOR	TBC

LINE LOADS		
PATTERN	DESCRIPTION	LOAD kN/m
[Red Dashed]	BALUSTRADE	VERTICAL LOAD = 1.0 VARIABLE HORIZONTAL LOAD (1.2m ABOVE F.F.L.) = 0.74
[Orange Dashed]	ATRIUM ROOF	TBC BY SPECIALIST
[Pink Dashed]	FACADE	ALLOWANCE = 5.0
[Blue Dashed]	PLANT SCREEN	ALLOWANCE = 1.5
[Green Dashed]	STAIR FOOTING	ALLOWANCE = 15.0

ALL DEAD AND SUPERDEAD LOADS ARE PRELIMINARY AND ARE TO BE CONFIRMED BY THE CONTRACTOR TO SUIT FINAL FINISHES AND ELEVATION DETAILS AND OTHER SECONDARY SYSTEMS.

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P02	PLANNING & LBC ISSUE	16/12	JC	PM
P01	PRELIMINARY DRAFT ISSUE	20/12	AC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD

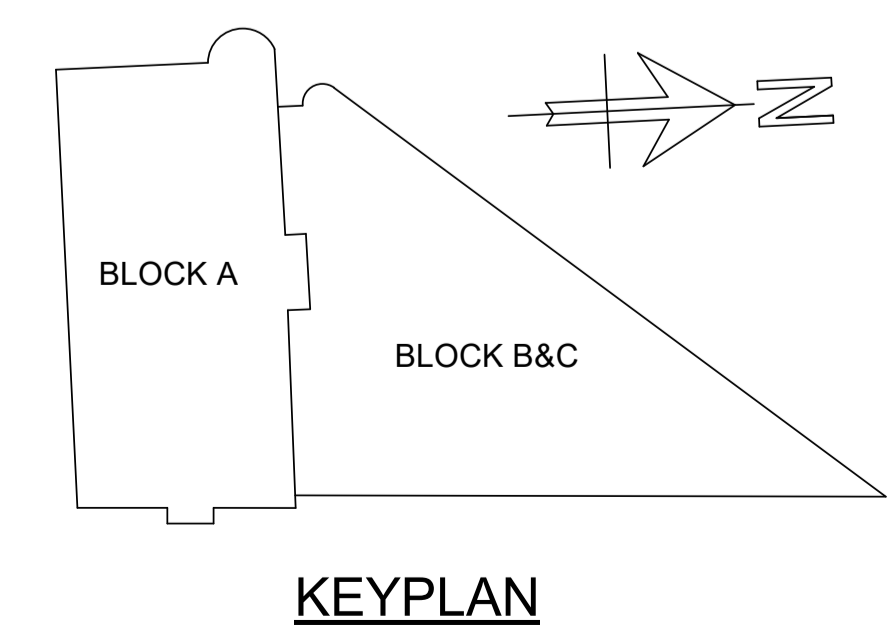


LOADING PLAN
THIRD FLOOR

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 100	NOV'22	JC
Drawing No:		Rev:	
4217-RAM-ZZ-03-DR-S-00174		P02	

PLAN
1 : 100
LP-LEVEL 03

1
S-00300



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UNFACTORED VARIABLE LOAD

PATTERN	DESCRIPTION	LOAD kN/m ²
[Yellow]	CIRCULATION	4.0
[Light Green]	BEDROOMS	2.0+1.0 (PARTITIONS) = 3.0
[Pink]	KITCHENS	3.0
[Cyan]	DINING/BANQUET HALL	5.0
[Blue]	WALKWAYS (2-WAY PEDESTRIAN TRAFFIC)	5.0
[Orange]	STORAGE SPACE	5.0
[Red]	ROOF LOADING (MAINTENANCE ACCESS ONLY)	0.6
[Green]	PLANT LOADING	7.5
[Grey]	GENERAL USE - STAFF CHANGING	2.5
[Light Grey]	GENERAL USE - COMMS	3.0
[Blue-Black]	GYM	5.0
[Brown]	GENERAL USE	2.5
[Dark Brown]	WATER TANK LOADING	TBC

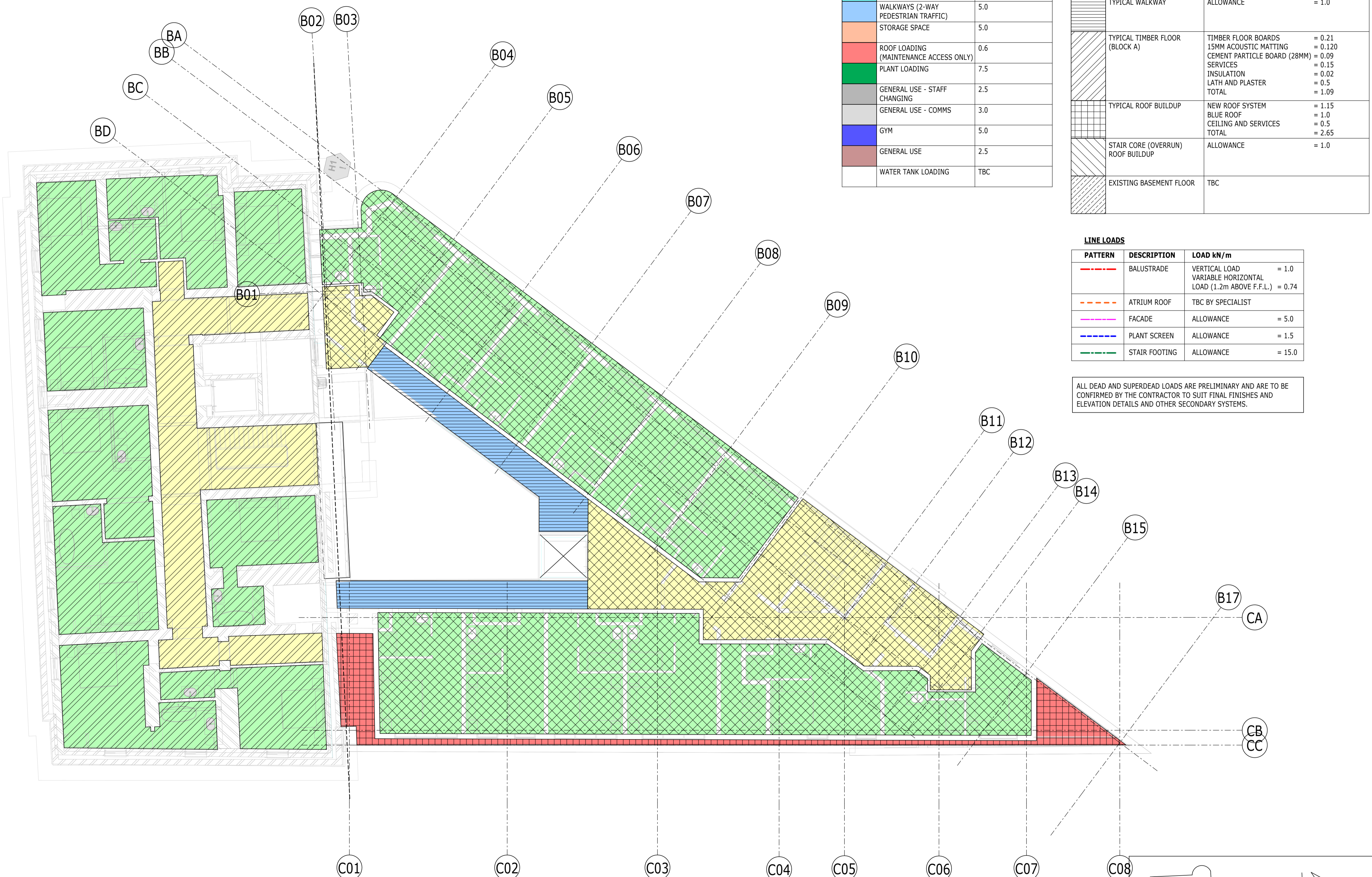
UNFACTORED SUPERIMPOSED DEAD LOAD

PATTERN	DESCRIPTION	LOAD kN/m ²
[Diagonal Hatching]	NEW BASEMENT FLOOR	75mm thk SCREED = 1.9 INSULATION & DRAINED CAVITY SYSTEM = 0.5kN/m LOWER SCREED = 1.9
[Cross Hatching]	TYPICAL FLOOR BUILDUP	75mm SCREED = 1.9 ALLOW FOR CEILING & SERVICES = 0.5 TOTAL = 2.4
[Horizontal Hatching]	TYPICAL WALKWAY	ALLOWANCE = 1.0
[Vertical Hatching]	TYPICAL TIMBER FLOOR (BLOCK A)	TIMBER FLOOR BOARDS = 0.21 15MM ACOUSTIC MATTING = 0.120 CEMENT PARTICLE BOARD (28MM) = 0.09 SERVICES = 0.15 INSULATION = 0.02 LATH AND PLASTER = 0.5 TOTAL = 1.09
[Grid Hatching]	TYPICAL ROOF BUILDUP	NEW ROOF SYSTEM = 1.15 BLUE ROOF = 1.0 CEILING AND SERVICES = 0.5 TOTAL = 2.65
[Diagonal Hatching]	STAIR CORE (OVERRUN) ROOF BUILDUP	ALLOWANCE = 1.0
[Diagonal Hatching]	EXISTING BASEMENT FLOOR	TBC

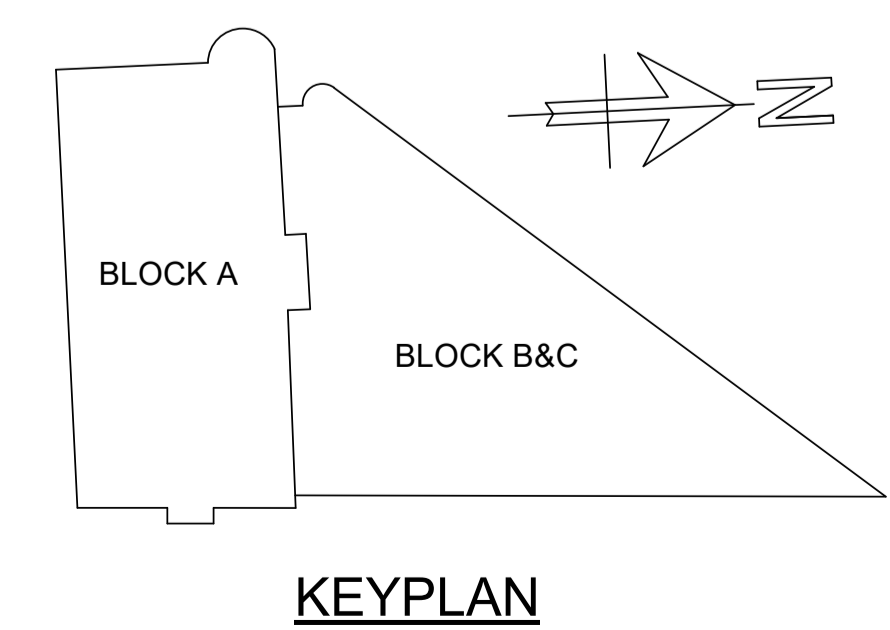
LINE LOADS

PATTERN	DESCRIPTION	LOAD kN/m
[Red Dashed]	BALUSTRADE	VERTICAL LOAD = 1.0 VARIABLE HORIZONTAL LOAD (1.2m ABOVE F.F.L.) = 0.74
[Orange Dashed]	ATRIUM ROOF	TBC BY SPECIALIST
[Pink Dashed]	FACADE	ALLOWANCE = 5.0
[Blue Dashed]	PLANT SCREEN	ALLOWANCE = 1.5
[Green Dashed]	STAIR FOOTING	ALLOWANCE = 15.0

ALL DEAD AND SUPERDEAD LOADS ARE PRELIMINARY AND ARE TO BE CONFIRMED BY THE CONTRACTOR TO SUIT FINAL FINISHES AND ELEVATION DETAILS AND OTHER SECONDARY SYSTEMS.



PLAN 1
1 : 100
LP-LEVEL 04



P02	PLANNING & LBC ISSUE	16/12	JC	PM
P01	PRELIMINARY DRAFT ISSUE	20/12	AC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



LOADING PLAN
FOURTH FLOOR

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 100	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-04-DR-S-00175	P02		

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UNFACTORED VARIABLE LOAD

PATTERN	DESCRIPTION	LOAD kN/m ²
	CIRCULATION	4.0
	BEDROOMS	2.0+1.0 (PARTITIONS) = 3.0
	KITCHENS	3.0
	DINING/BANQUET HALL	5.0
	WALKWAYS (2-WAY PEDESTRIAN TRAFFIC)	5.0
	STORAGE SPACE	5.0
	ROOF LOADING (MAINTENANCE ACCESS ONLY)	0.6
	PLANT LOADING	7.5
	GENERAL USE - STAFF CHANGING	2.5
	GENERAL USE - COMMS	3.0
	GYM	5.0
	GENERAL USE	2.5
	WATER TANK LOADING	TBC

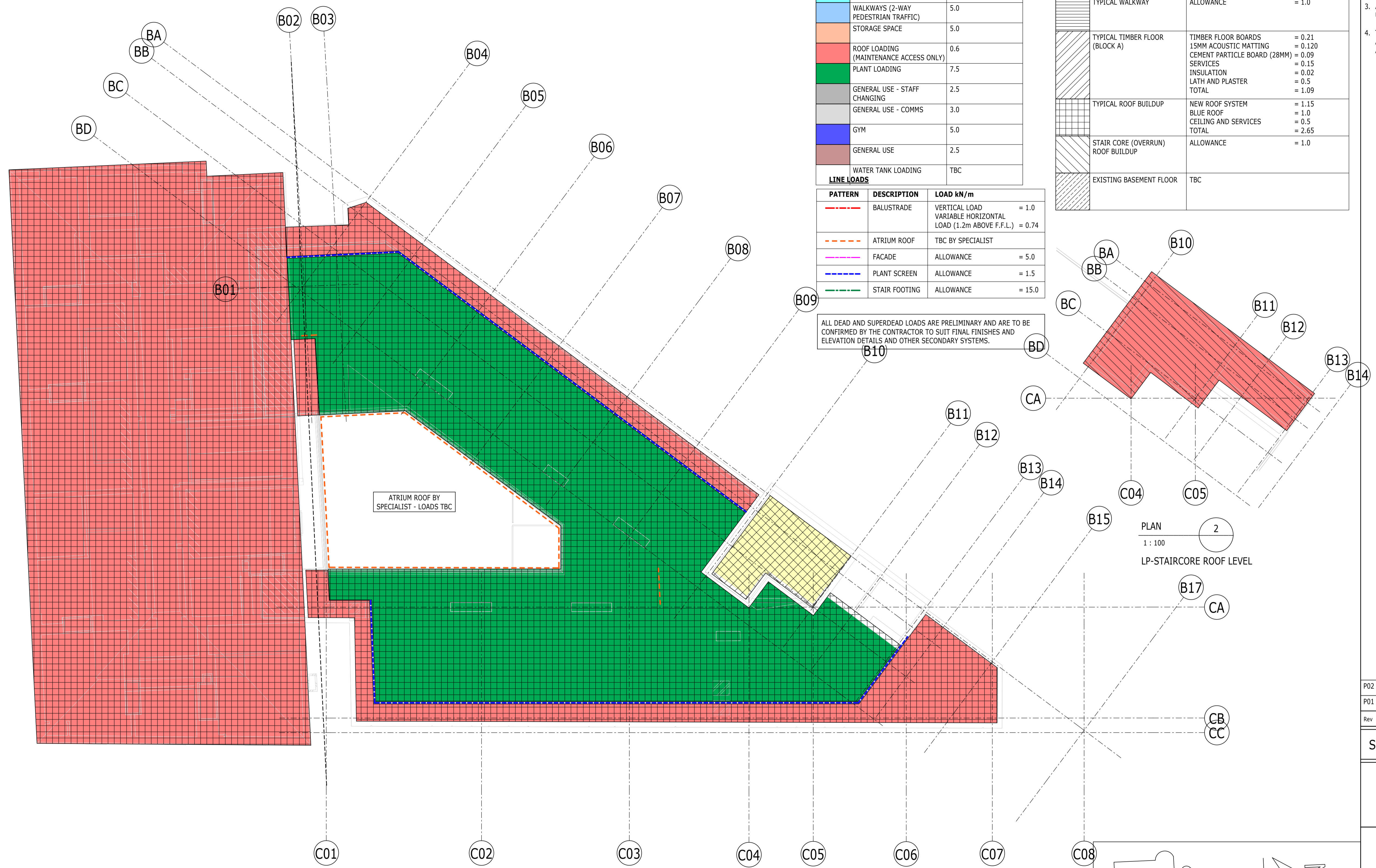
LINE LOADS

PATTERN	DESCRIPTION	LOAD kN/m
	BALUSTRADE	VERTICAL LOAD = 1.0 VARIABLE HORIZONTAL LOAD (1.2m ABOVE F.F.L.) = 0.74
	ATRIUM ROOF	TBC BY SPECIALIST
	FACADE	ALLOWANCE = 5.0
	PLANT SCREEN	ALLOWANCE = 1.5
	STAIR FOOTING	ALLOWANCE = 15.0

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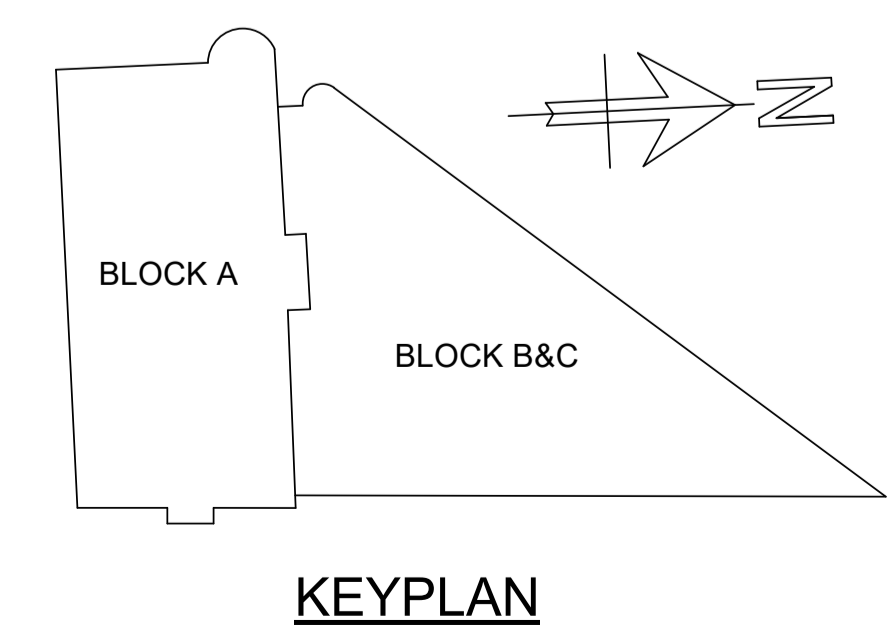
UNFACTORED SUPERIMPOSED DEAD LOAD

PATTERN	DESCRIPTION	LOAD kN/m ²
	NEW BASEMENT FLOOR	75mm thk SCREED = 1.9 INSULATION & DRAINED CAVITY SYSTEM = 0.5kN/m LOWER SCREED = 1.9
	TYPICAL FLOOR BUILDUP	75mm SCREED = 1.9 ALLOW FOR CEILING & SERVICES = 0.5 TOTAL = 2.4
	TYPICAL WALKWAY	ALLOWANCE = 1.0
	TYPICAL TIMBER FLOOR (BLOCK A)	TIMBER FLOOR BOARDS = 0.21 15MM ACOUSTIC MATTING = 0.120 CEMENT PARTICLE BOARD (28MM) = 0.09 SERVICES = 0.15 INSULATION = 0.02 LATH AND PLASTER = 0.5 TOTAL = 1.09
	TYPICAL ROOF BUILDUP	NEW ROOF SYSTEM = 1.15 BLUE ROOF = 1.0 CEILING AND SERVICES = 0.5 TOTAL = 2.65
	STAIR CORE (OVERRUN) ROOF BUILDUP	ALLOWANCE = 1.0
	EXISTING BASEMENT FLOOR	TBC



PLAN 2
1 : 100
LP-STAIRCORE ROOF LEVEL

PLAN 1
1 : 100
LP-RF LEVEL



P02	PLANNING & LBC ISSUE	16/12	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12	JC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



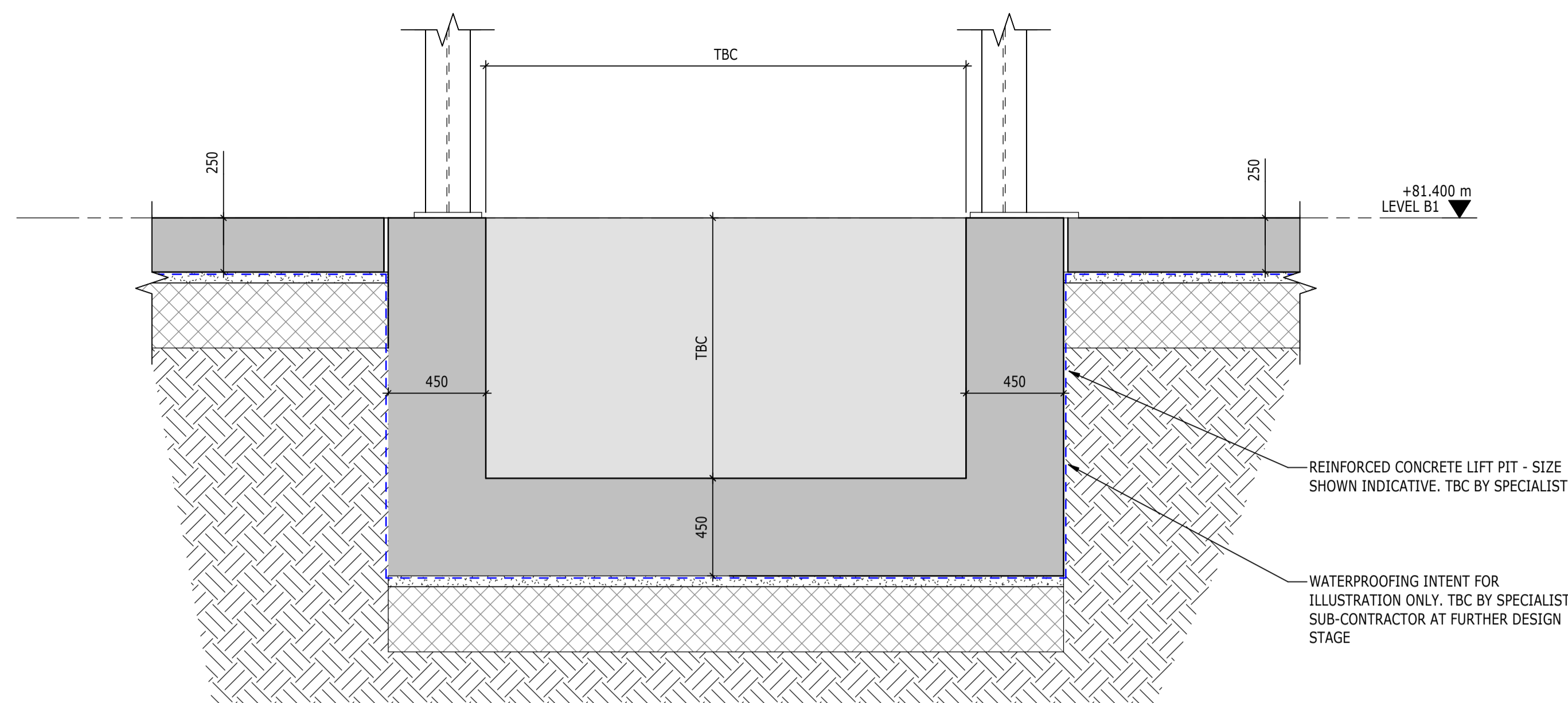
LOADING PLAN
ROOF LEVEL

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 100	NOV'22	JC
Drawing No:		Rev:	
4217-RAM-ZZ-RF-DR-S-00176		P02	

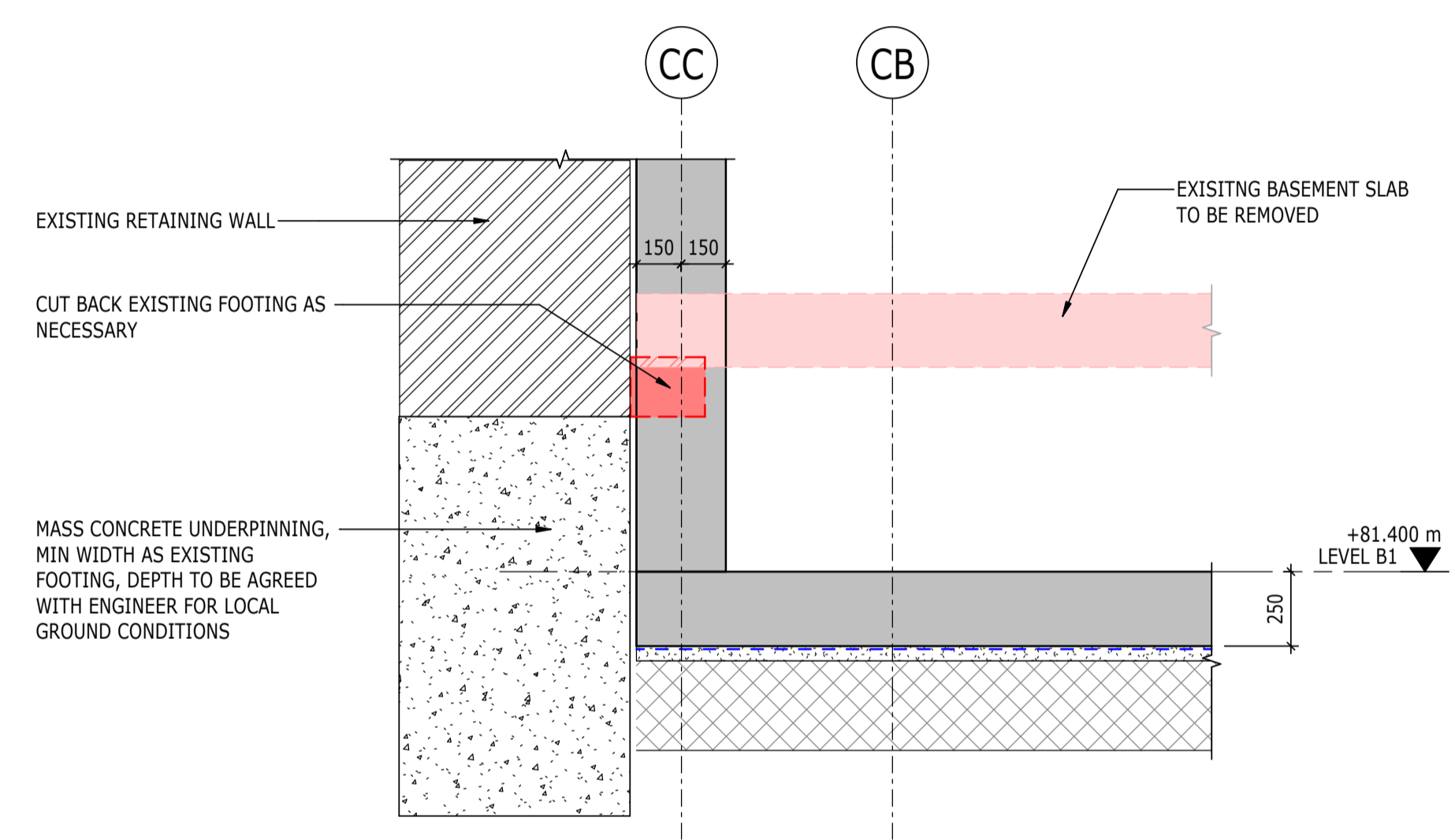
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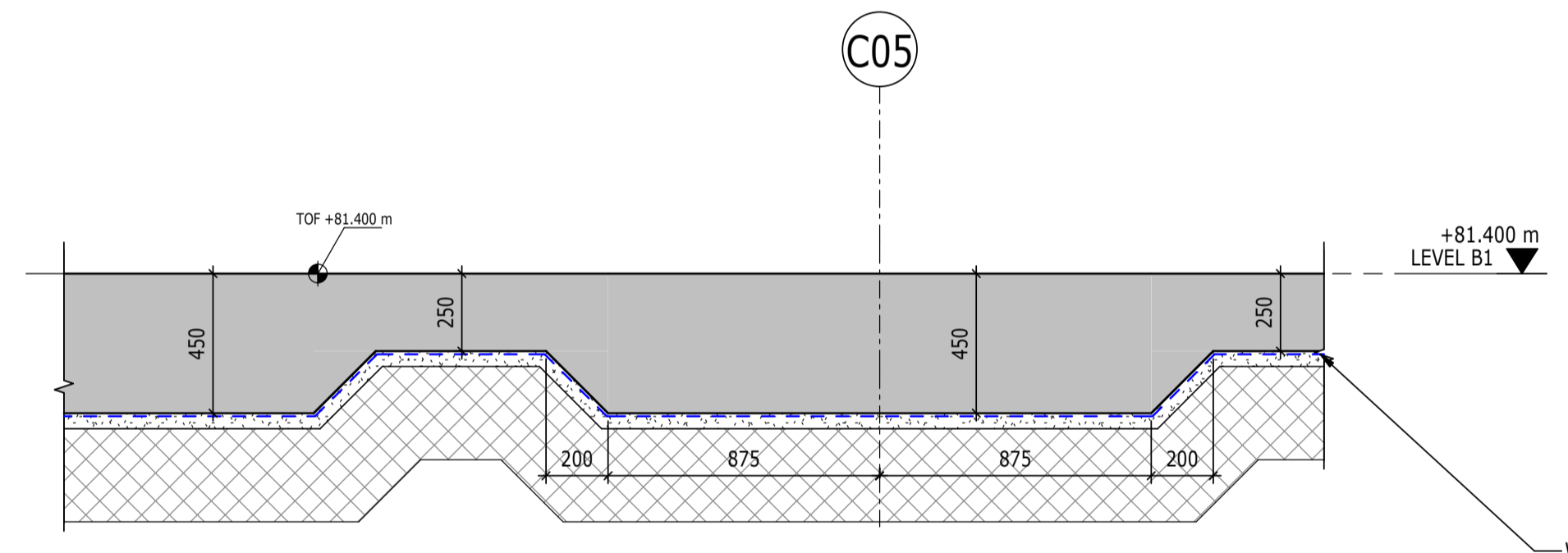
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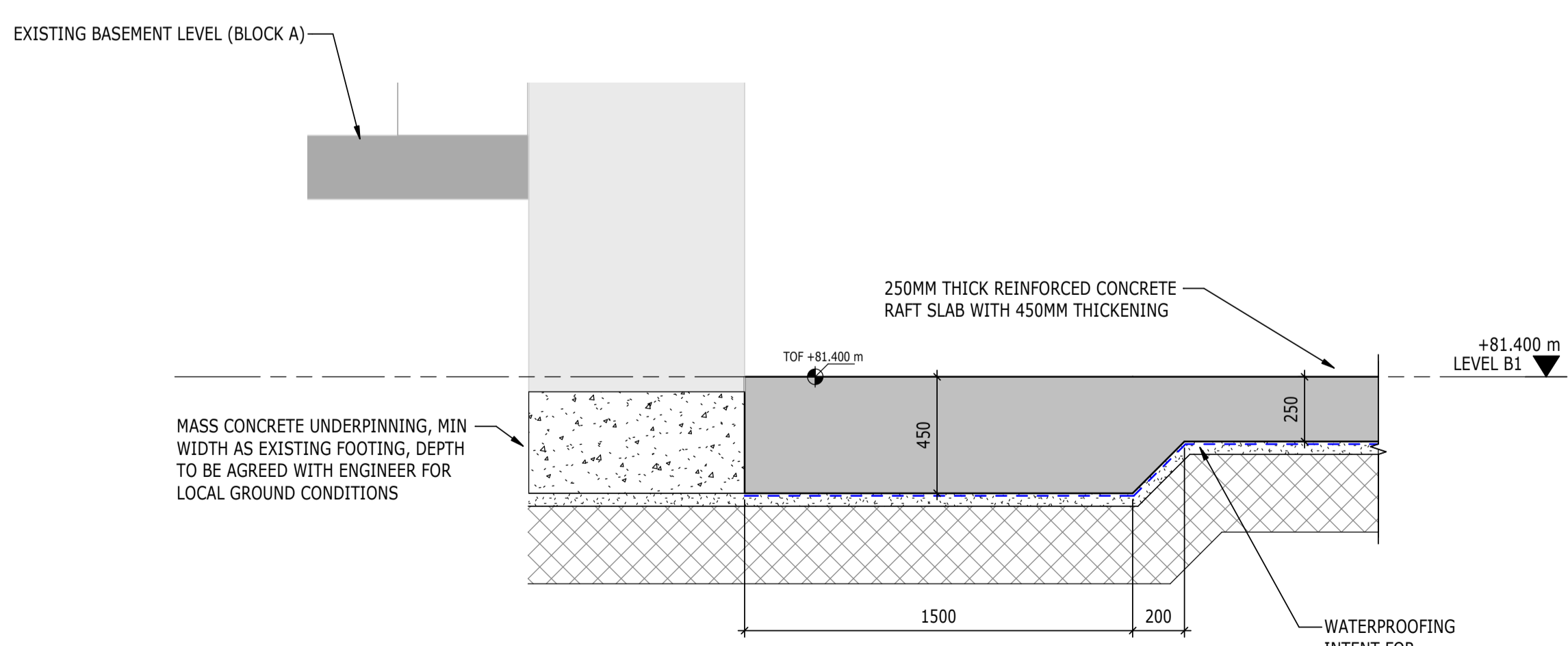
SECTION B1
1 : 20
S-00100



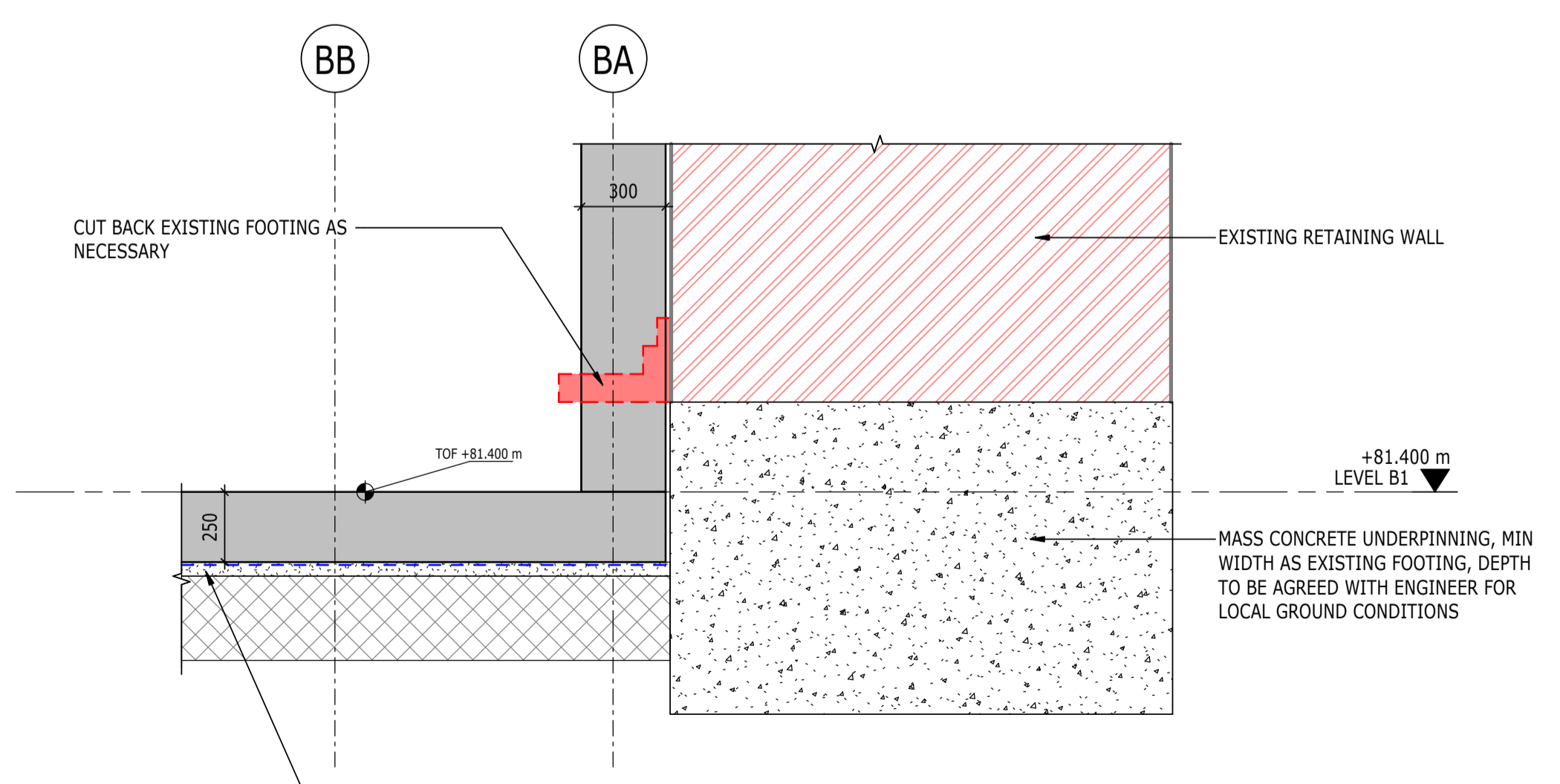
SECTION B2
1 : 20
S-00100



SECTION B3
1 : 20
S-00100



SECTION B4
1 : 20
S-00100



SECTION B5
1 : 20
S-00100

P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD

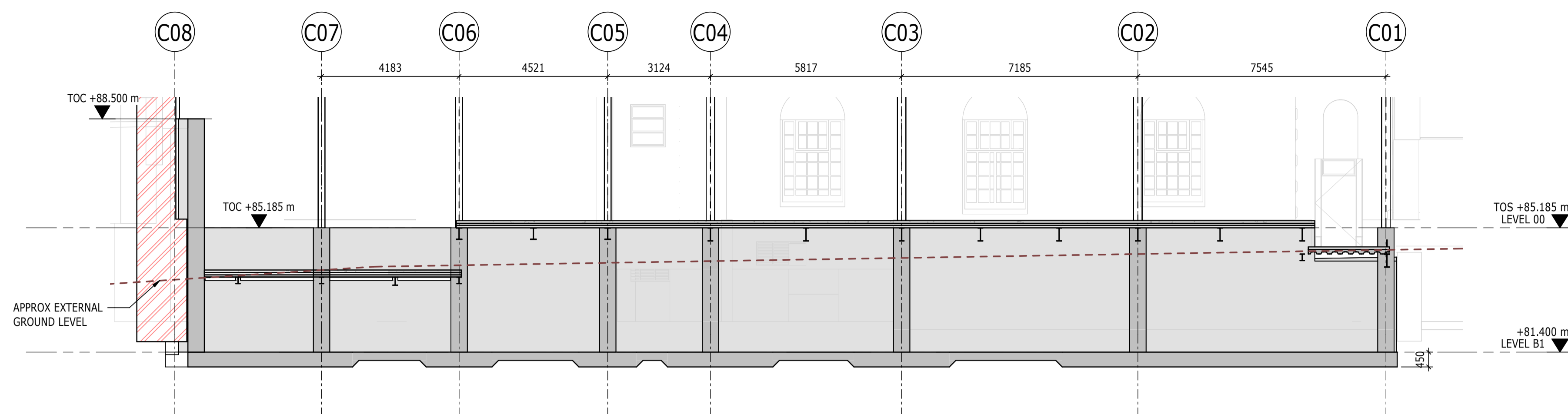


FOUNDATION SECTIONS
& DETAILS

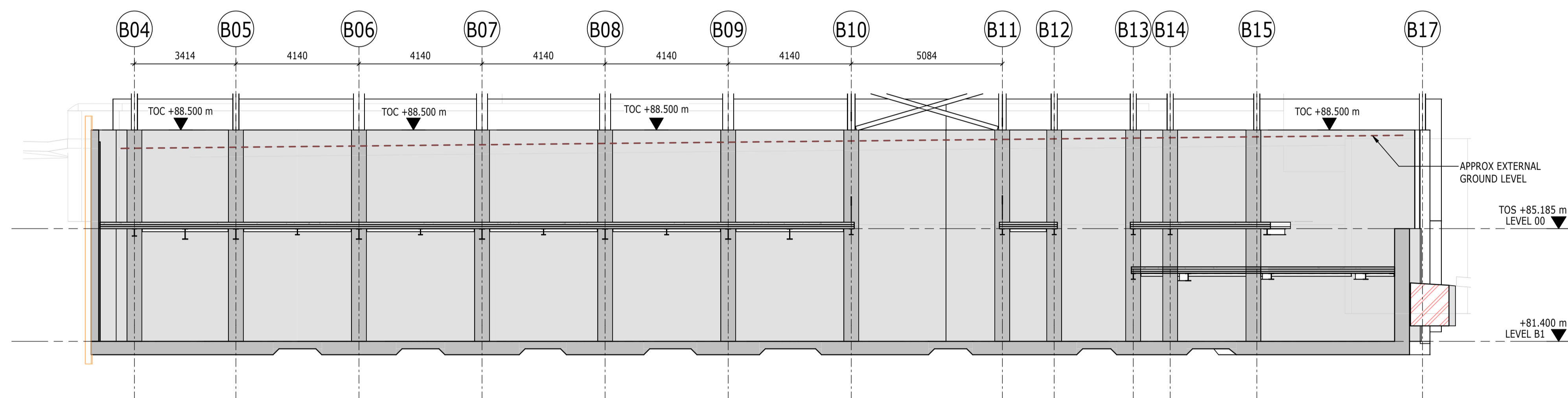
Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 20	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-FN-DR-S-00200	P02		

NOTES

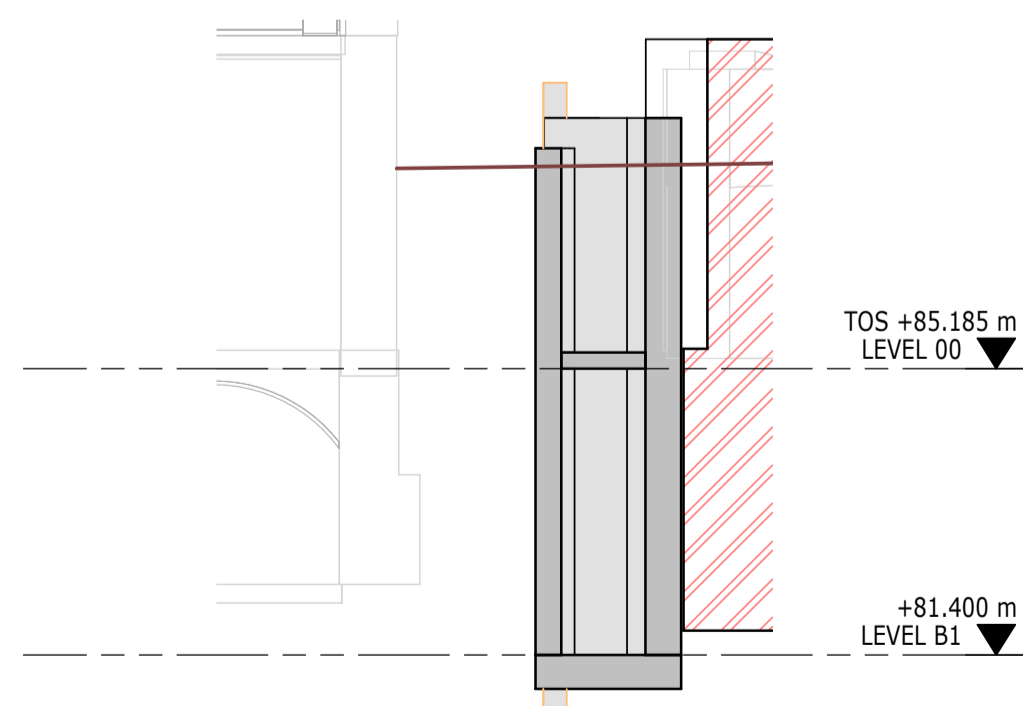
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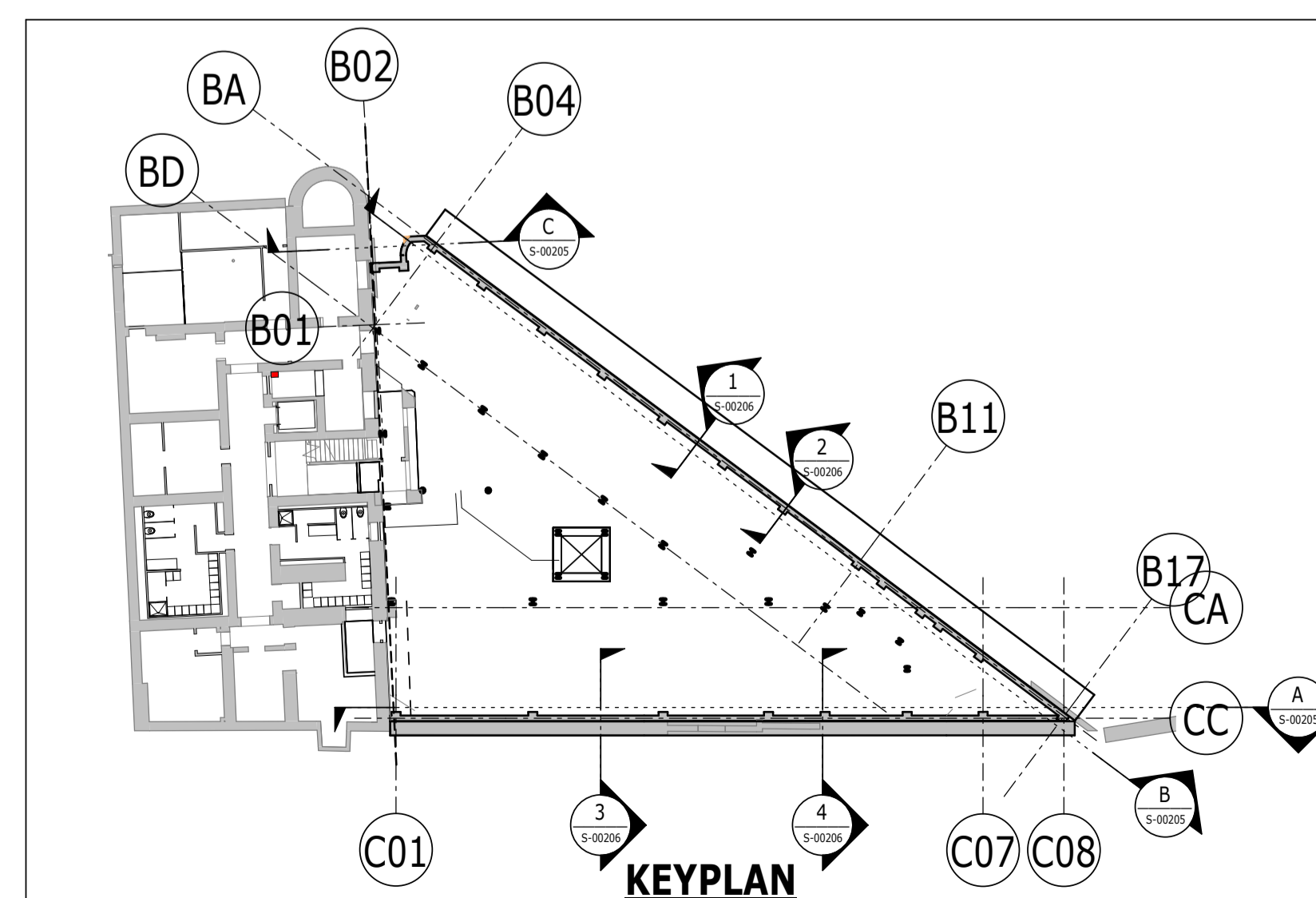
ELEVATION **A**
1 : 100
S-00205
BASEMENT RETAINING WALL ELEVATION A



ELEVATION **B**
1 : 100
S-00205
BASEMENT RETAINING WALL ELEVATION B



ELEVATION **C**
1 : 100
S-00205
BASEMENT RETAINING WALL ELEVATION C



P02	PLANNING & LBC ISSUE	16/12	JC	PM
		2022	AC	
P01	PRELIMINARY DRAFT ISSUE	02/12	JC	PM
		2022	AC	
Rev	Description	Date	By	App
			Chk	

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THE GEORGE HOTEL
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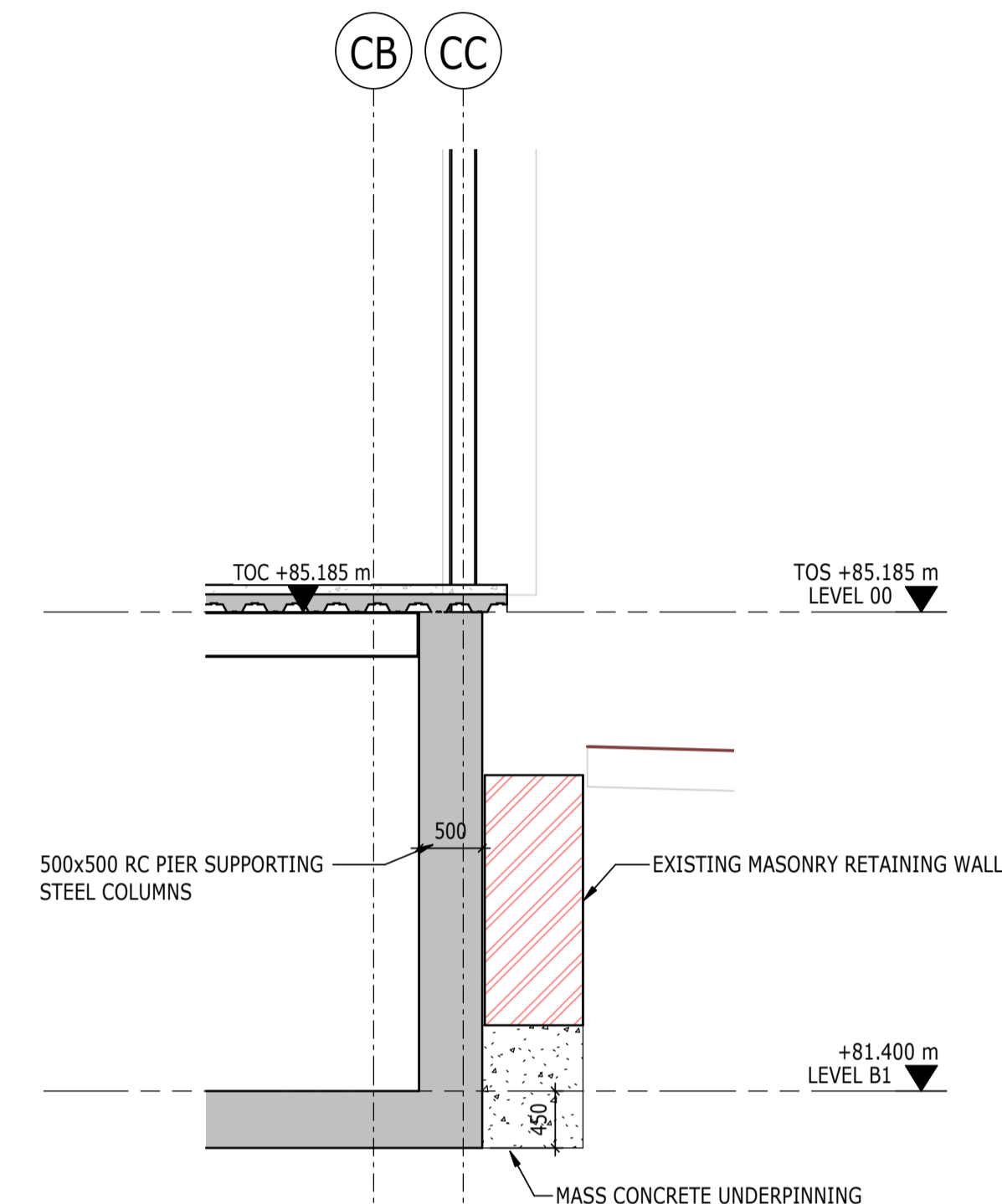
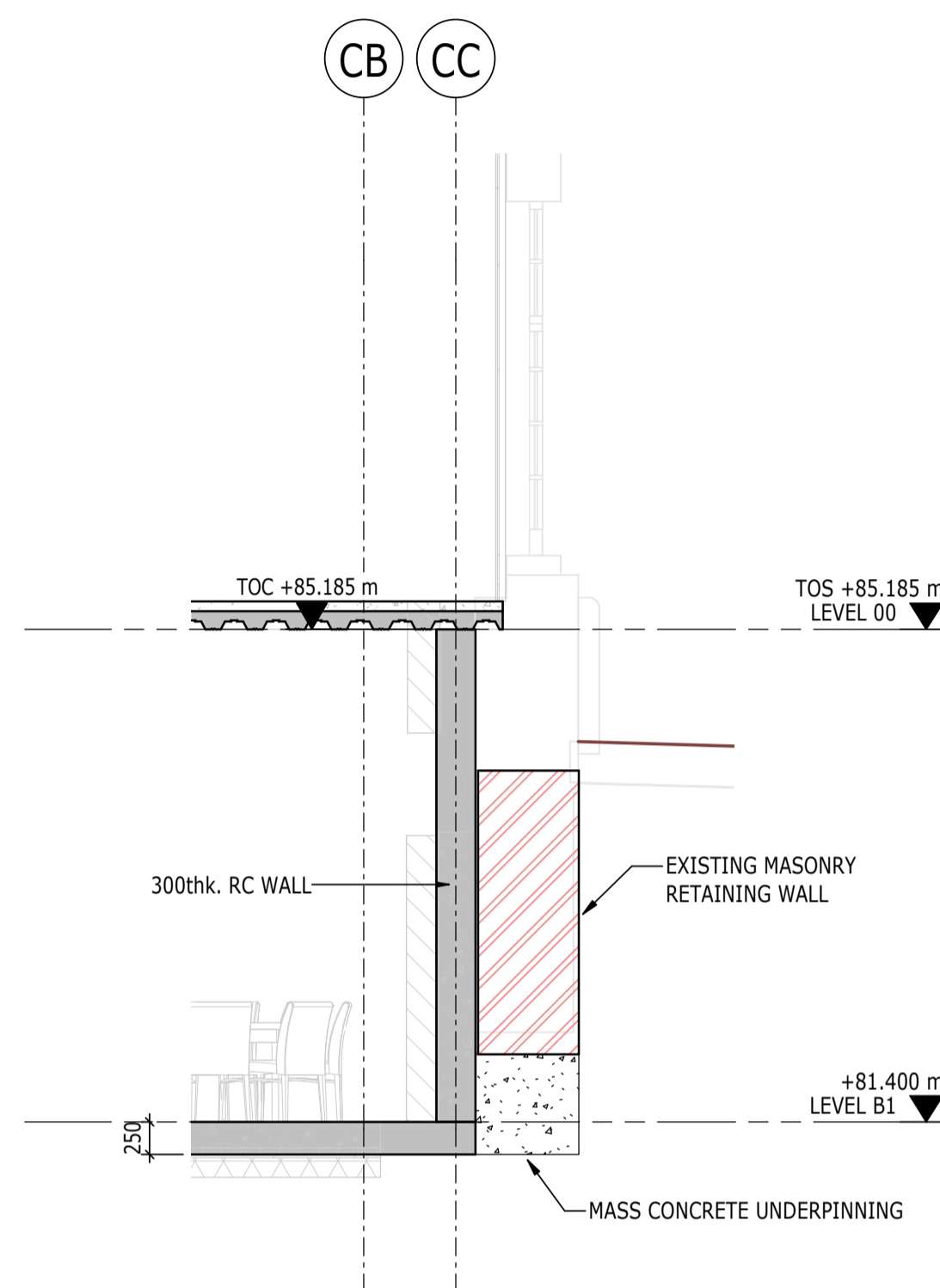
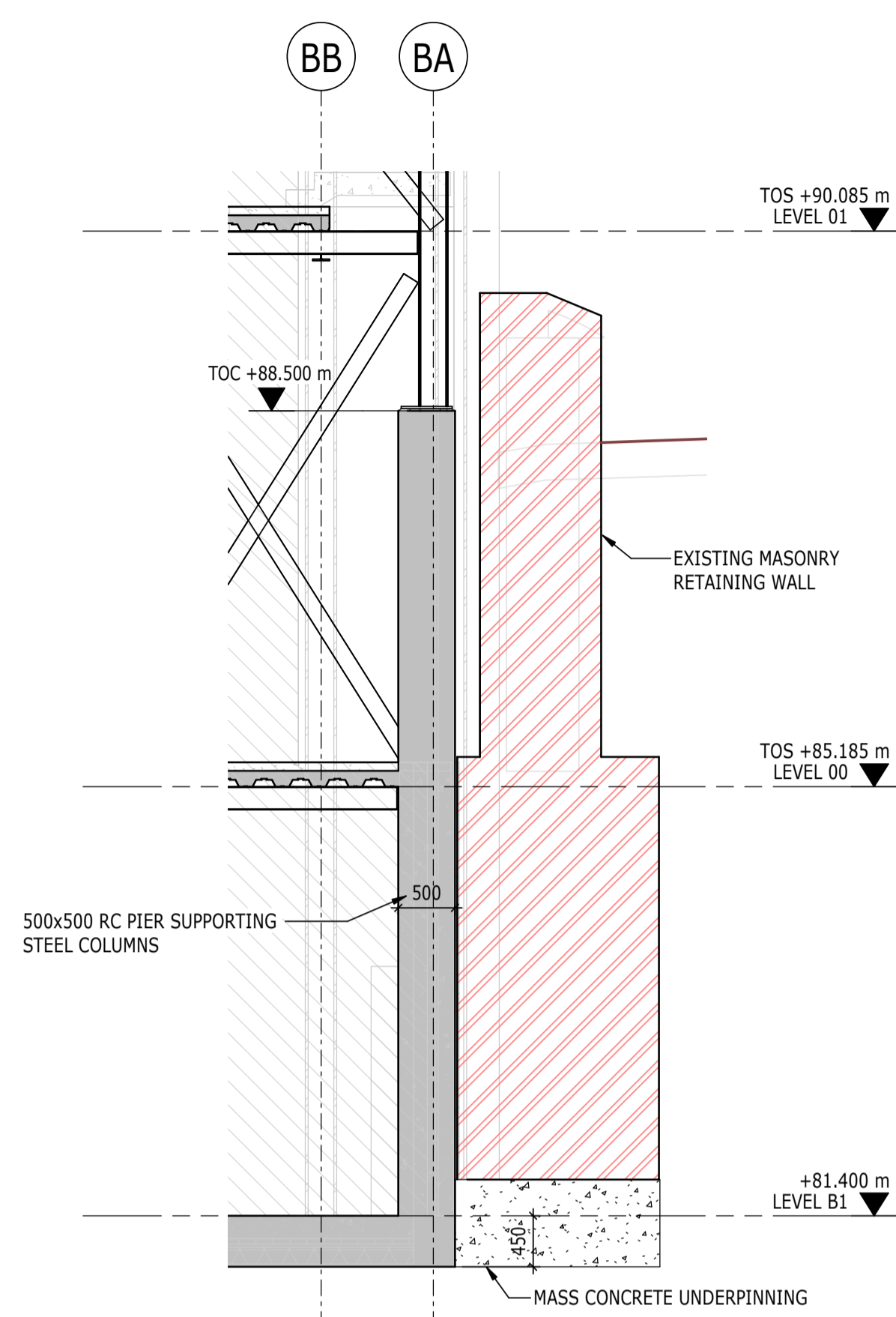
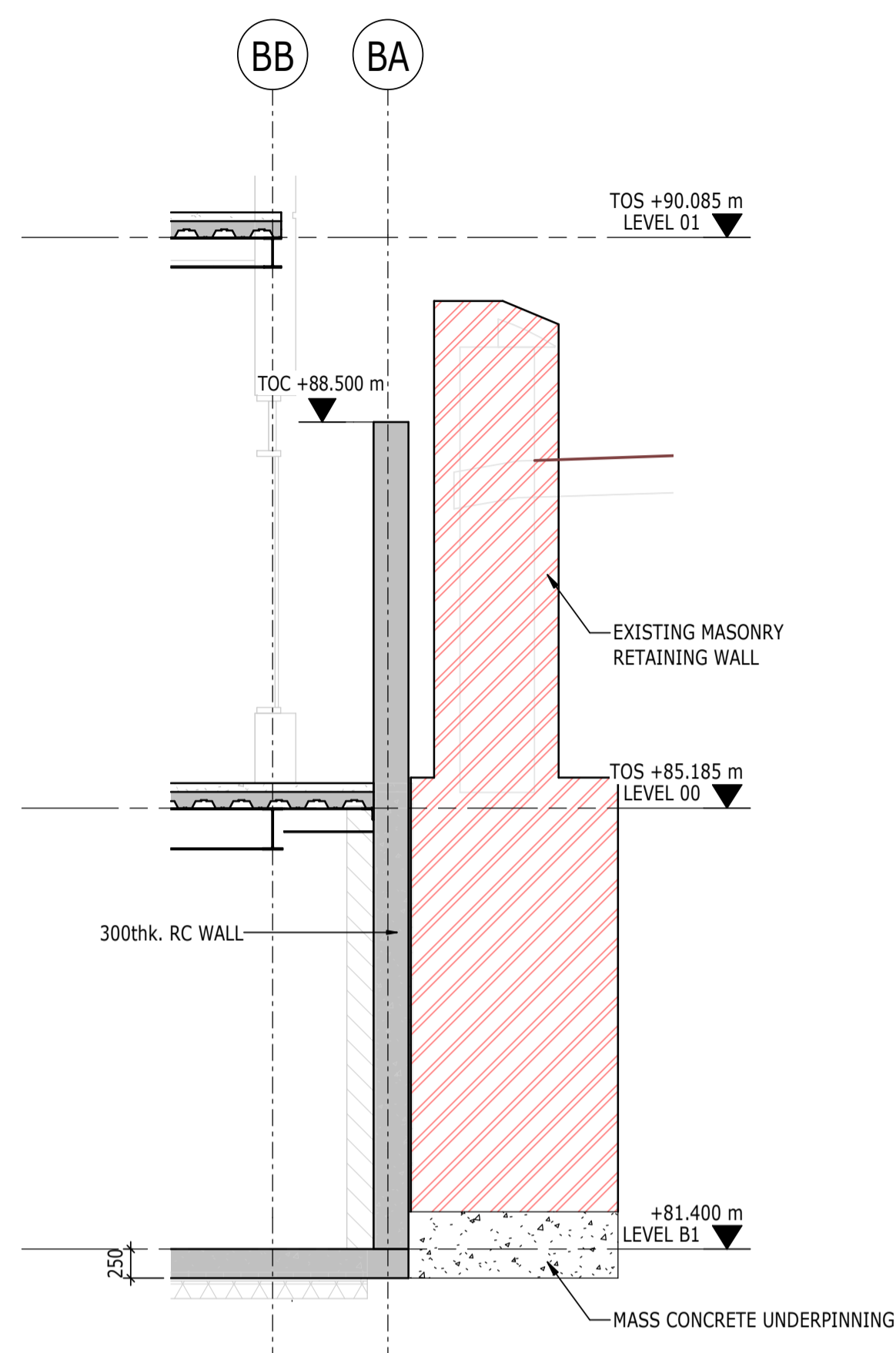
RETAINING WALL
ELEVATIONS

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-ZZ-DR-S-00205	P02		

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SECTION 1
1 : 50
S-00205
BASEMENT RETAINING WALL SECTION 1

SECTION 2
1 : 50
S-00205
BASEMENT RETAINING WALL SECTION 2

SECTION 3
1 : 50
S-00205
BASEMENT RETAINING WALL SECTION 3

SECTION 4
1 : 50
S-00205
BASEMENT RETAINING WALL SECTION 4

P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By Chk	App

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RETAINING WALL
SECTIONS & DETAILS

Project No: 1620014217	Scale (@ A1): 1 : 50	Date: NOV'22	Drawn: JC
Drawing No: 4217-RAM-ZZ-ZZ-DR-S-00206	Rev: P02		

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- FOR GENERAL NOTES DRAWING REFER TO DRAWING No. 4217-RAM-ZZ-XX-DR-S-0010
- FOR MEMBER SCHEDULES REFER TO DRAWING No. 4217-RAM-ZZ-XX-DR-S-0015 & S-0016
- SEPERATE ALLOWANCES TO BE MADE FOR THE FOLLOWING:
 - ALL STEEL TO STEEL AND STEEL TO CONCRETE CONNECTIONS AND SPLICES
 - FAÇADE FIXINGS
 - TRANSFER BEAMS
 - STIFFENER PLATES AROUND BEAM WEB OPENINGS
 - STEEL COLUMNS

INABEYANCE / TO BE CONFIRMED

- BUILDERSWORK HOLES
- UPSTANDS
- MOMENT CONNECTION
- OPTIMISATION OF STEELWORK FOR FIRE DESIGN

THESE NOTES ARE BASED ON THE USE OF EXPERIENCED AND COMPETENT CONTRACTORS CARRYING OUT THE WORK USING AN APPROVED SAFE METHOD OF WORKING

WHERE RAMBOLL CDM HAZARD SYMBOLS (SUMMARIZED BELOW) ARE FOUND ON THE DRAWINGS, REFERENCE MUST BE MADE TO XXXX-XXX-XX-XX-X-XXXX. CHECK THE UNIQUE CDM ID IN THE TEXT NEXT TO THE SYMBOL FORMATTED: RAM-###

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- INDICATES A RESIDUAL RISK FOR INFORMATION
- INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION
- INDICATES A RESIDUAL RISK AS A WARNING

P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
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Rev	Description	Date	By Chk	App

S3 - FOR REVIEW AND COMMENT

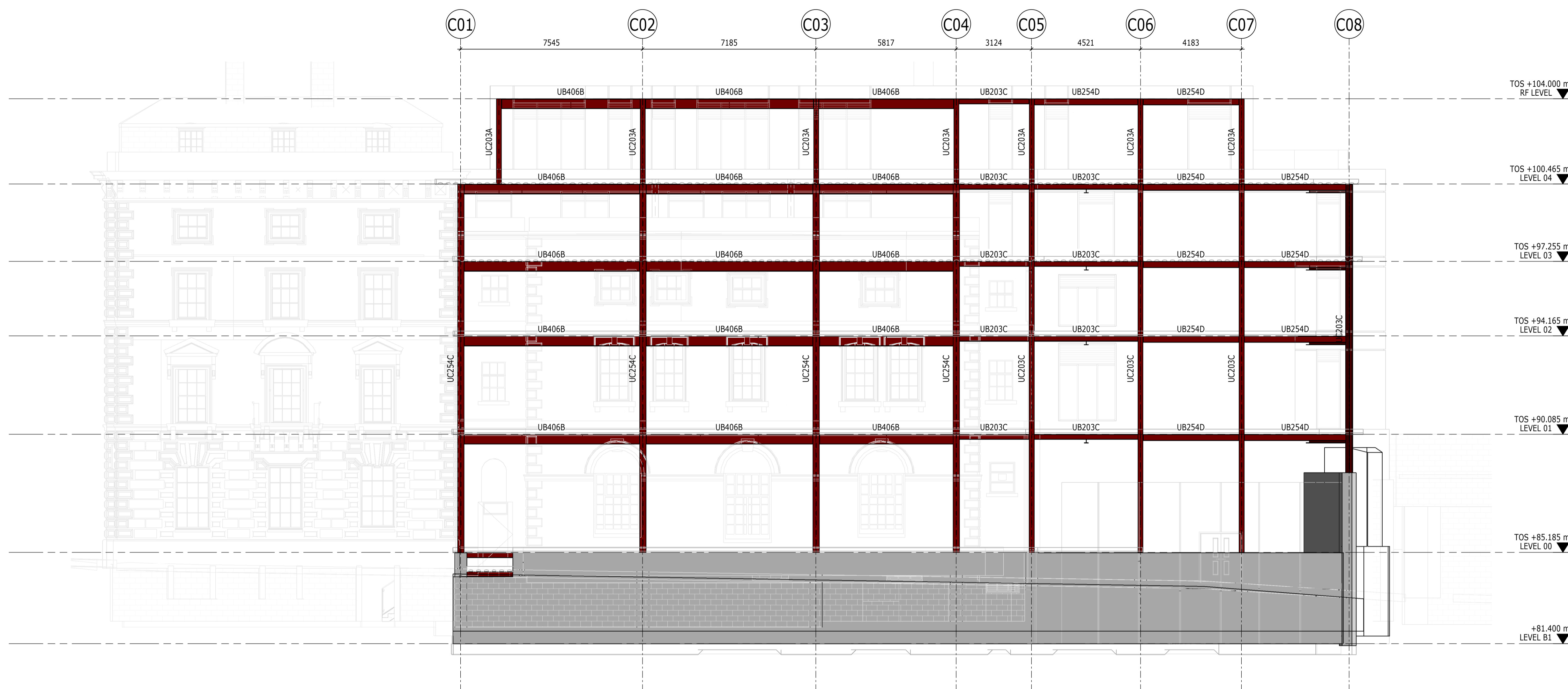
THE GEORGE HOTEL
HUDDERSFIELD



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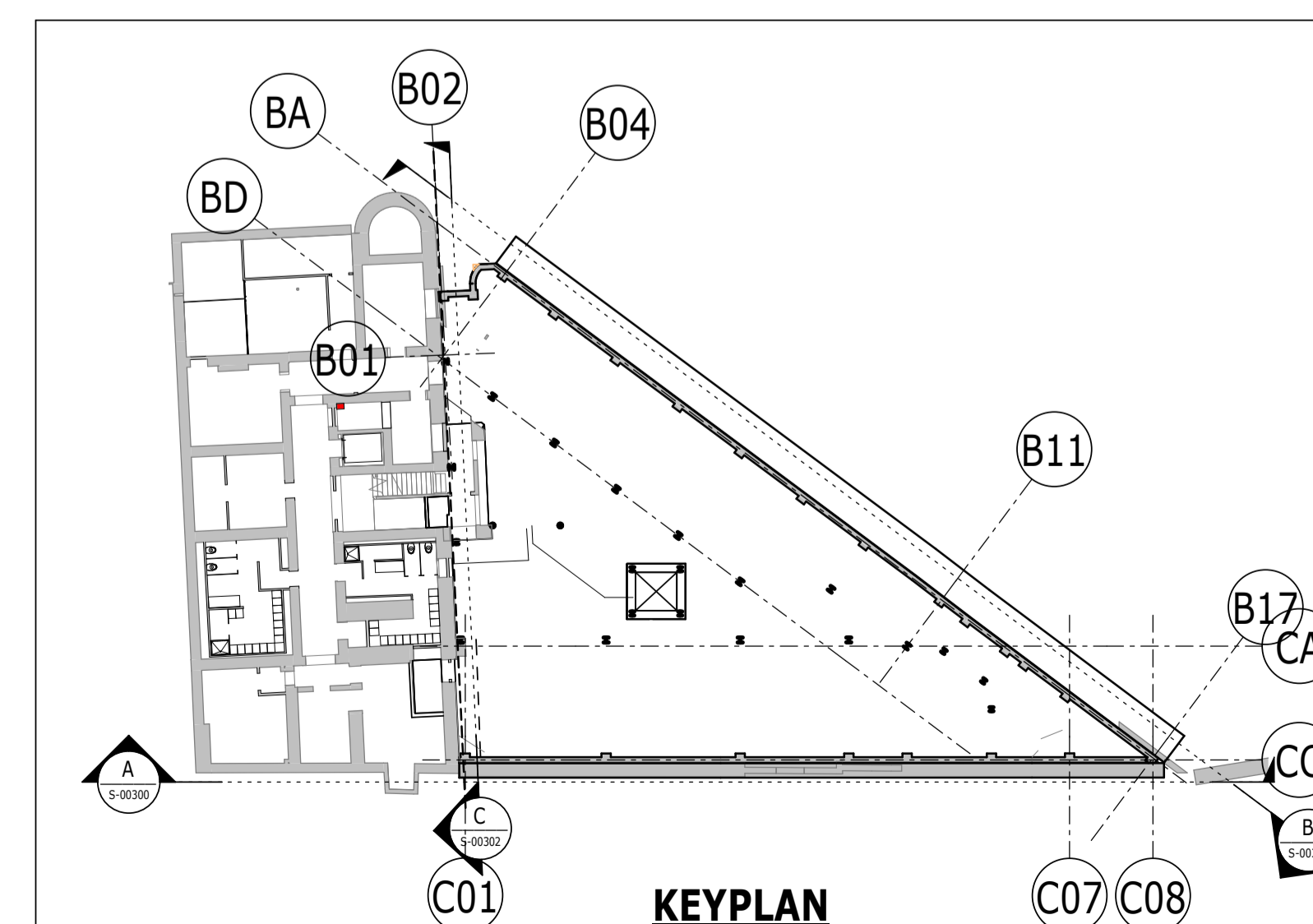
BUILDING ELEVATIONS
SHEET 1

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1:100	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-DR-S-00300	P02		



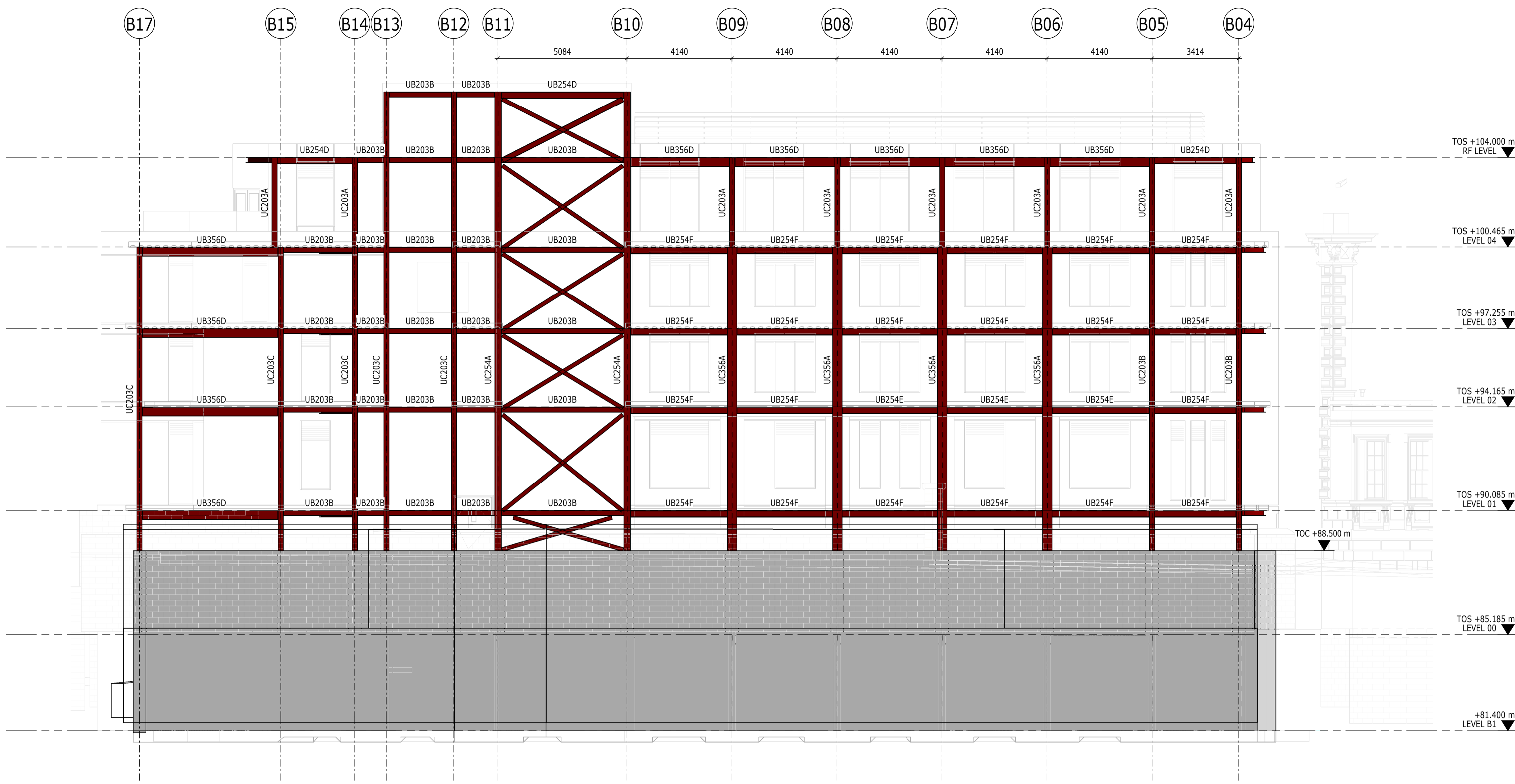
ELEVATION **A**
1 : 100 S-00300

BUILDING ELEVATION A



KEYPLAN

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ELEVATION **B**
1 : 100
BUILDING ELEVATION B

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 - FAÇADE FIXINGS
 - TRANSFER BEAMS
 - STIFFENER PLATES AROUND BEAM WEB OPENINGS
 - STEEL COLUMNS

REFER TO SHEET 4217-RAM-ZZ-DR-S-00300 FOR KEYPLAN

- INABEYANCE / TO BE CONFIRMED**
- BUILDERSWORK HOLES
 - UPSTANDS
 - MOMENT CONNECTION
 - OPTIMISATION OF STEELWORK FOR FIRE DESIGN

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P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By Chk	App

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



BUILDING ELEVATIONS
SHEET 2

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 100	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-ZZ-DR-S-00301	P02		

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- FOR MEMBER SCHEDULES REFER TO DRAWING No. 4217-RAM-ZZ-XX-DR-S-0015 & S-0016
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 - TRANSFER BEAMS
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 - STEEL COLUMNS

REFER TO SHEET 4217-RAM-ZZ-DR-S-00300 FOR KEYPLAN

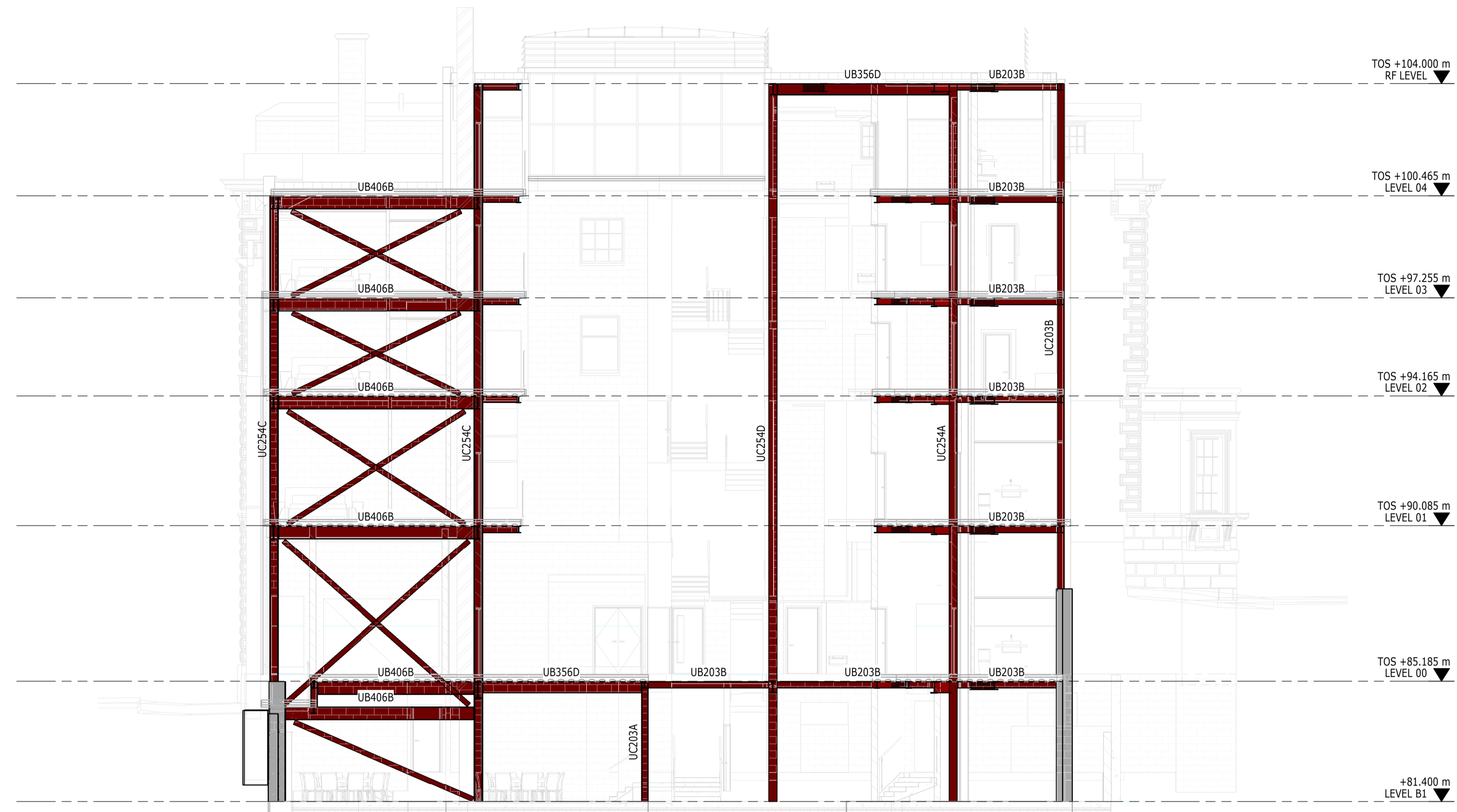
INABEYANCE / TO BE CONFIRMED

- BUILDERSWORK HOLES
- UPSTANDS
- MOMENT CONNECTION
- OPTIMISATION OF STEELWORK FOR FIRE DESIGN

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WHERE RAMBOLL CDM HAZARD SYMBOLS (SUMMARIZED BELOW) ARE FOUND ON THE DRAWINGS, REFERENCE MUST BE MADE TO XXXX-XXX-XX-XX-X-XXXXX. CHECK THE UNIQUE CDM ID IN THE TEXT NEXT TO THE SYMBOL FORMATTED: RAM-###

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- INDICATES A RESIDUAL RISK AS A WARNING



ELEVATION **C**
1 : 100
BUILDING ELEVATION C

P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By Chk	App

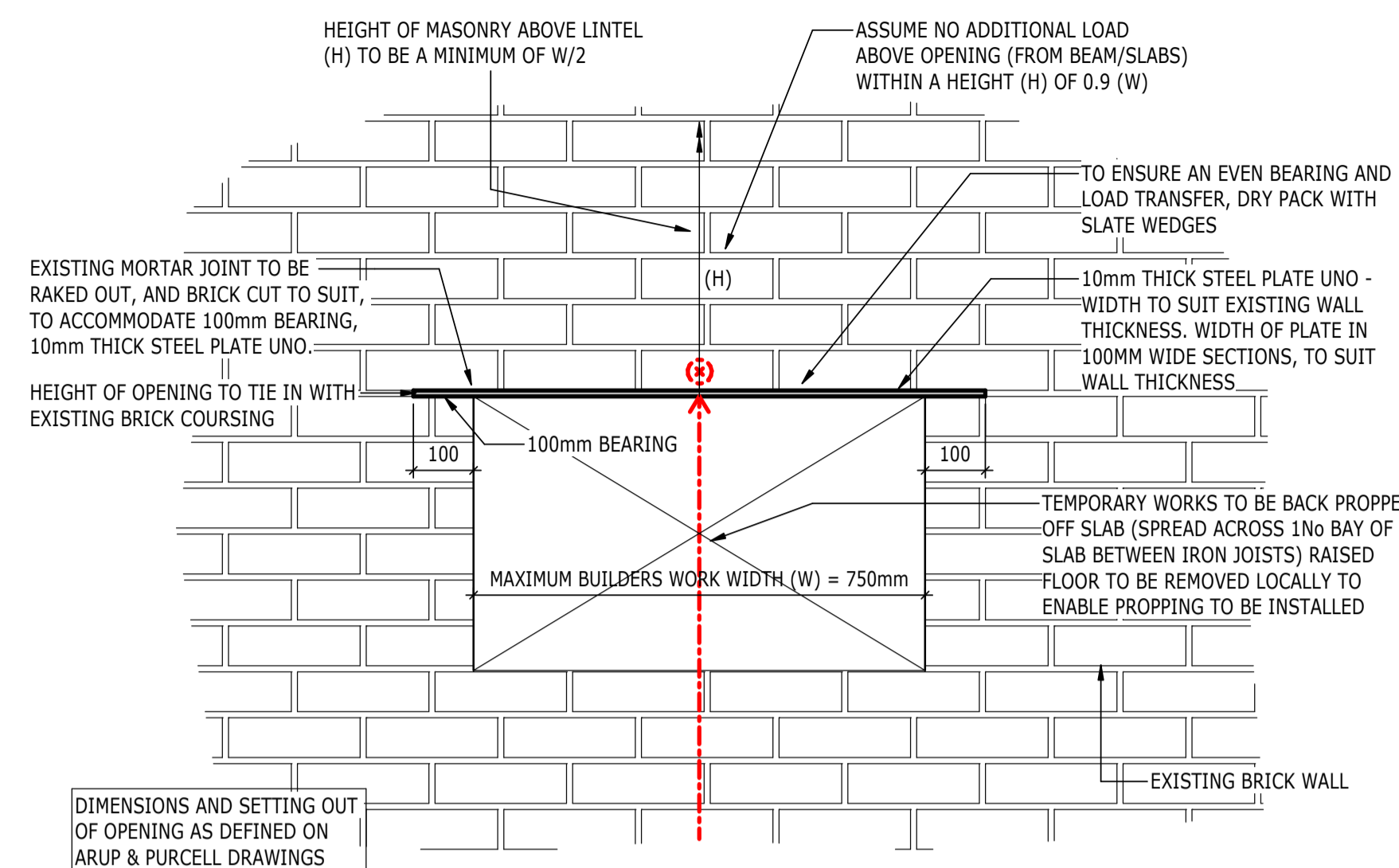
S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



BUILDING ELEVATIONS
SHEET 3

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 100	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-DR-S-00302	P02		

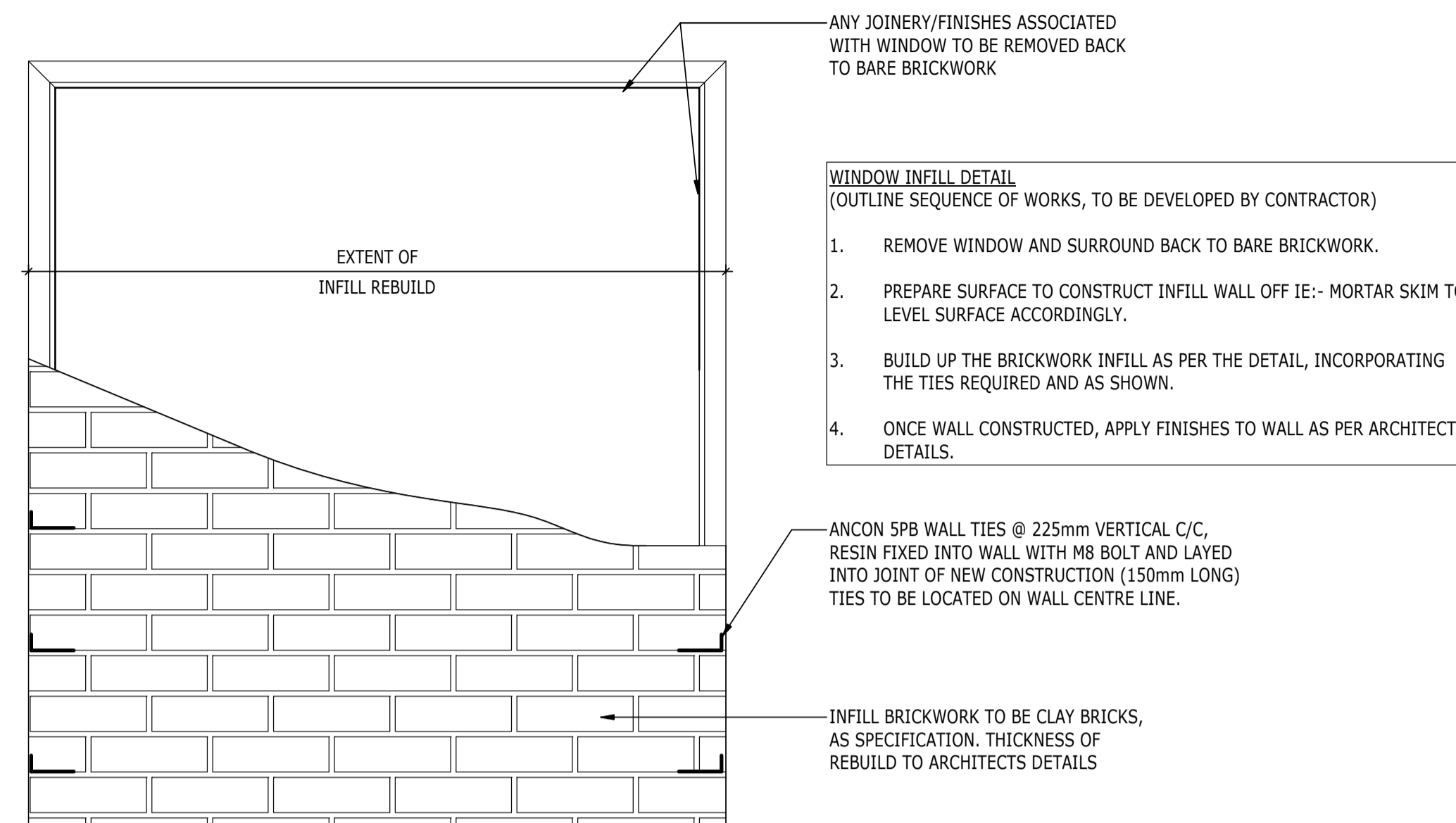


TYPE 1: TYPICAL BUILDERSWORK OPENING THROUGH EXISTING WALL (UP TO 750mm WIDE)

(SCALE 1:10)

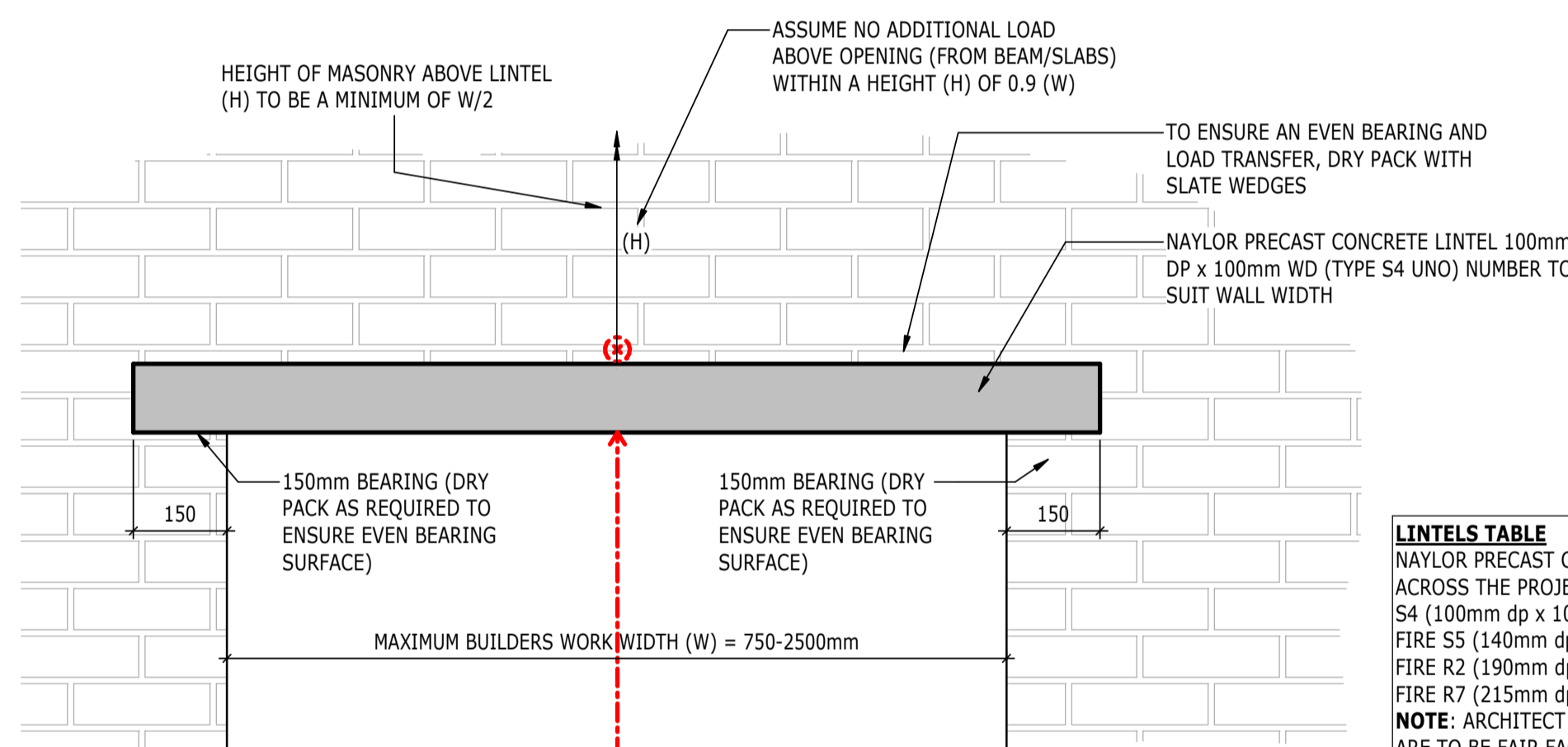
INSTALLATION OF LINTELS/ STEEL PLATES OVER BUILDERS WORK OPENINGS (OUTLINE SEQUENCE OF WORKS, TO BE DEVELOPED BY CONTRACTOR)

1. SET OUT THE EXTENT OF THE OPENING IN THE BRICK WALL (FINISHES/PLASTER TO BE REMOVED AS REQUIRED).
2. ENSURE HEIGHT OF THE OPENING CORRESPONDS TO BRICK COURSING.
3. DRILL HOLES THROUGH THE WALLS (DIAMETER TO SUIT TEMPORARY WORKS NEEDLES) IN THE COURSE DIRECTLY ABOVE THE OPENING.
4. INSERT NEEDLES THROUGH THE VOID AND PROP DOWN TO THE SLAB AS REQUIRED. RAISED FLOOR BOARDS TO BE REMOVED LOCALLY TO ALLOW PROPPING DOWN TO SLAB, INCORPORATE SPREADERS TO SUIT.
5. REMOVE MASONRY BELOW PROPPING AS REQUIRED TO FORM REQUIRED OPENING.
6. RAKE OUT/ CUT INTO MORTAR JOINTS AT PLATE BEARING END(S) IN ACCORDANCE WITH DETAILS.
7. INSTALL STEEL SUPPORT ANGLE AT PERIMETER WALL INTERFACE.
8. INSTALL STEEL PLATES FROM EITHER SIDE OF WALL AS REQUIRED AND DRY PACK TO ENSURE EVEN LOAD BEARING.
9. REMOVE TEMPORARY PROPS AND REINSTATE NEEDLE HOLES THROUGH BRICKS ABOVE.



TYPICAL WINDOW INFILL DETAIL

(SCALE 1:10)



TYPE 2: TYPICAL BUILDERSWORK AND DOOR OPENING THROUGH EXISTING WALL (750-2500mm WIDE)

(SCALE 1:10)

LINTELS TABLE
NAYLOR PRECAST CONCRETE LINTELS SPECIFIED ACROSS THE PROJECT INCLUDE:

S4 (100mm dp x 100mm wd)
FIRE S5 (140mm dp x 140mm wd)
FIRE R2 (190mm dp x 145mm wd)
FIRE R7 (215mm dp x 145mm wd)

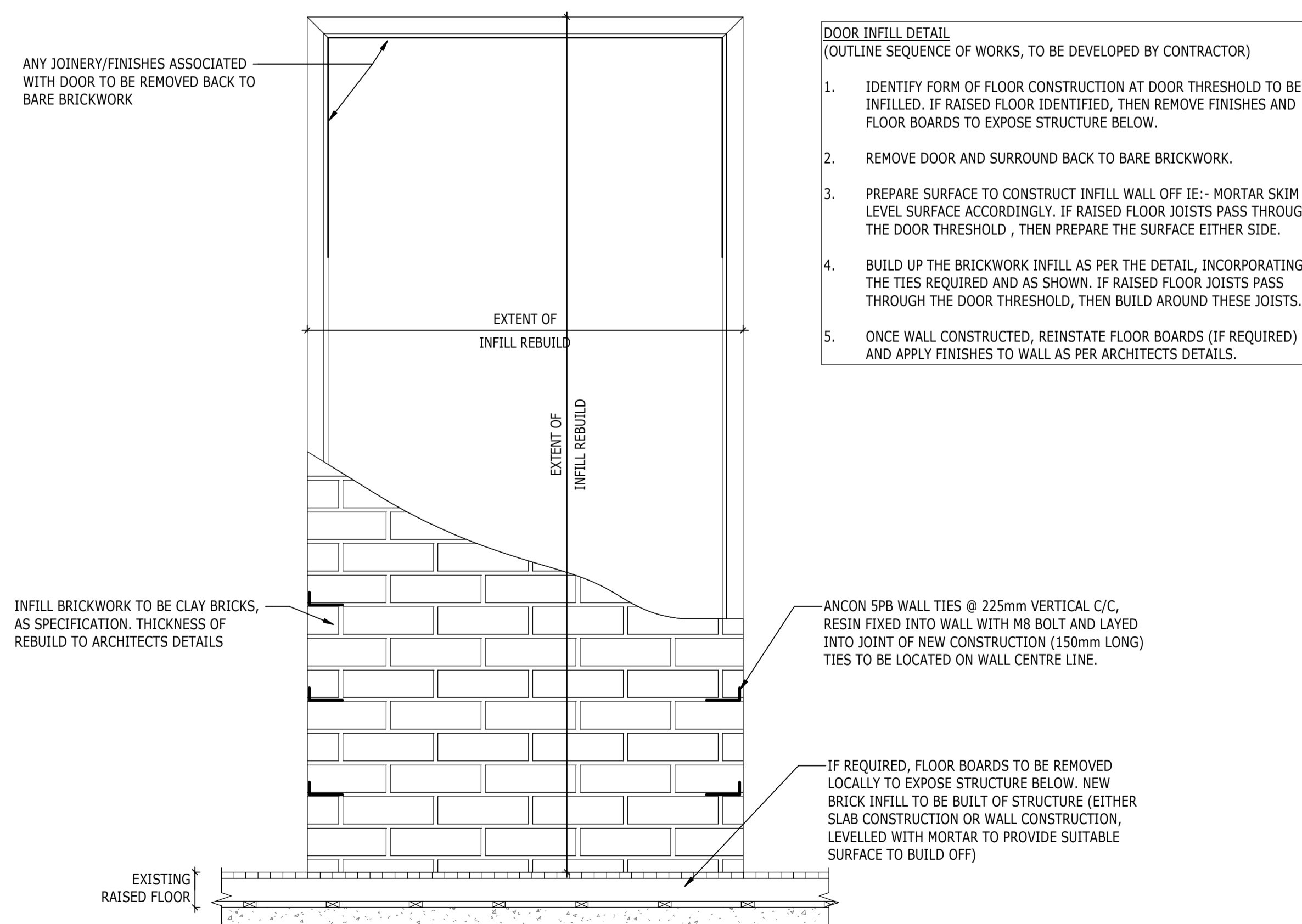
NOTE: ARCHITECT TO SPECIFY WHERE LINTELS ARE TO BE FAIR FACED.

TEMPORARY PROPPING LOADS OVER EXTENT OF OPENING, TOTAL LOAD TO BE SUPPORTED (SLs):

350mm THICK WALL =10kN
550mm THICK WALL =15kN
700mm THICK WALL =20kN

INSTALLATION OF LINTELS/ STEEL PLATES OVER BUILDERS WORK AND DOOR OPENINGS (OUTLINE SEQUENCE OF WORKS, TO BE DEVELOPED BY CONTRACTOR)

1. SET OUT THE EXTENT OF THE OPENING IN THE BRICK WALL (FINISHES/PLASTER TO BE REMOVED AS REQUIRED).
2. ENSURE HEIGHT OF THE OPENING CORRESPONDS TO BRICK COURSING.
3. DRILL HOLES THROUGH THE WALLS (DIAMETER TO SUIT TEMPORARY WORKS NEEDLES) IN THE COURSE DIRECTLY ABOVE THE OPENING.
4. INSERT NEEDLES THROUGH THE VOID AND PROP DOWN TO THE SLAB AS REQUIRED. RAISED FLOOR BOARDS TO BE REMOVED LOCALLY TO ALLOW PROPPING DOWN TO SLAB, INCORPORATE SPREADERS TO SUIT.
5. REMOVE MASONRY BELOW PROPPING AS REQUIRED TO FORM REQUIRED OPENING.
6. INSTALL PRE CAST LINTELS FROM BOTH SIDES (IF ACCESS AVAILABLE), OTHERWISE INSTALL FROM ACCESSIBLE SIDE AND DRY PACK BEARING ENDS AND TOP OF LINTEL TO ENSURE EVEN LOAD BEARING AND DISTRIBUTION.
7. REMOVE TEMPORARY PROPS AND REINSTATE NEEDLE HOLES THROUGH BRICKS ABOVE.



TYPICAL DOOR INFILL DETAIL

(SCALE 1:10)

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- INDICATES A RESIDUAL RISK AS A WARNING

P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL HUDDERSFIELD



BLOCK A TYPICAL DETAILS SHEET 1

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 10	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-ZZ-DR-S-00500	P02		

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P02	PLANNING & LBC ISSUE	16/12	JC	PM
		2022	AC	
P01	PRELIMINARY DRAFT ISSUE	02/12	JC	PM
		2022	AC	
Rev	Description	Date	By	App
			Chk	

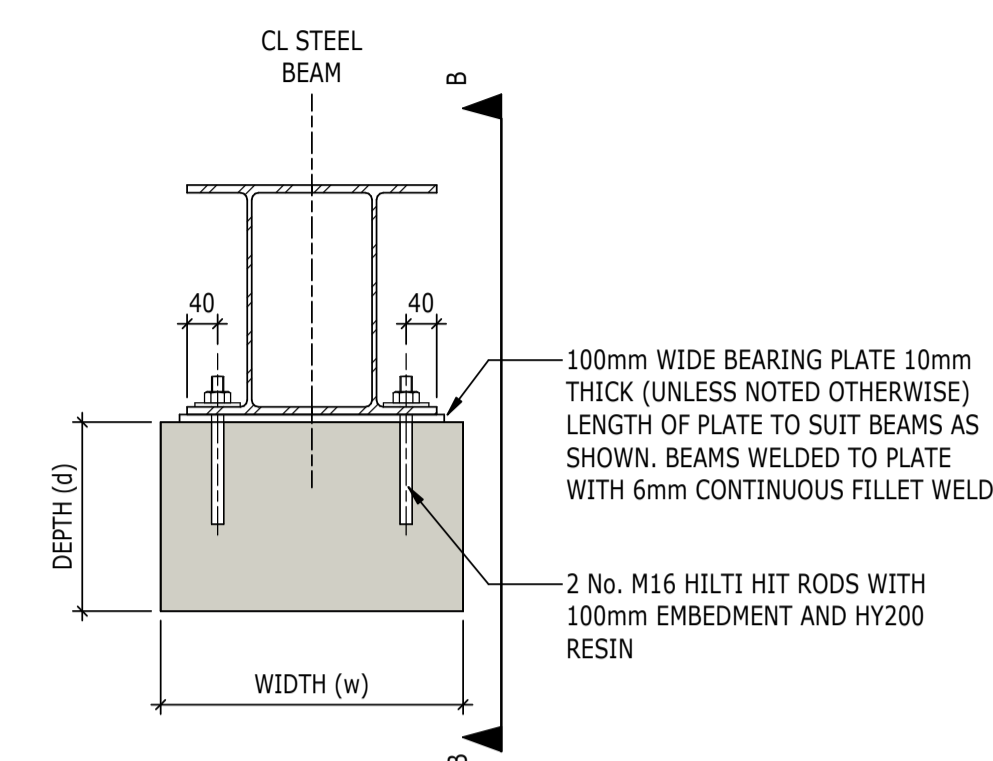
S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD

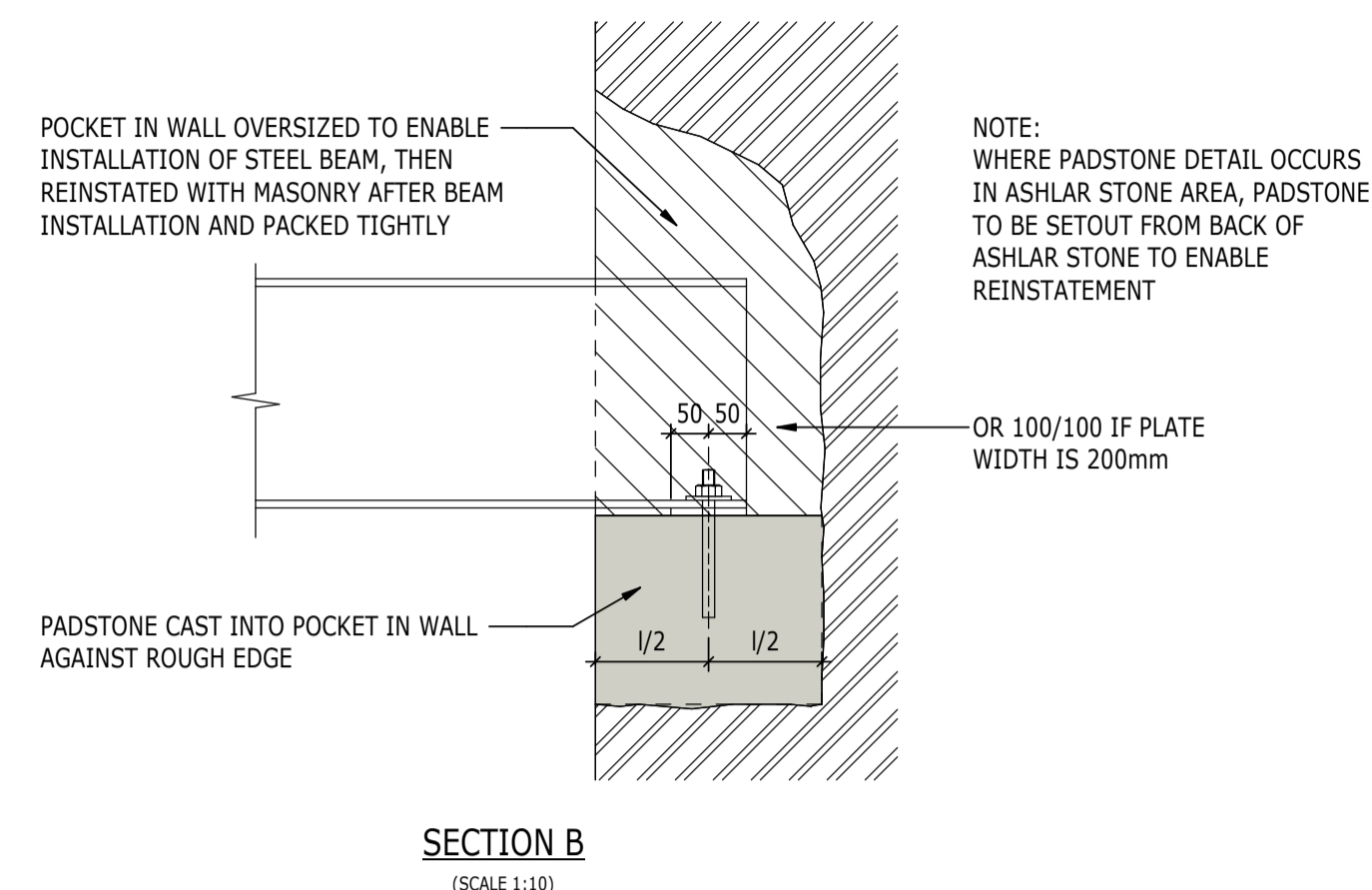


BLOCK A
TYPICAL DETAILS
SHEET 2

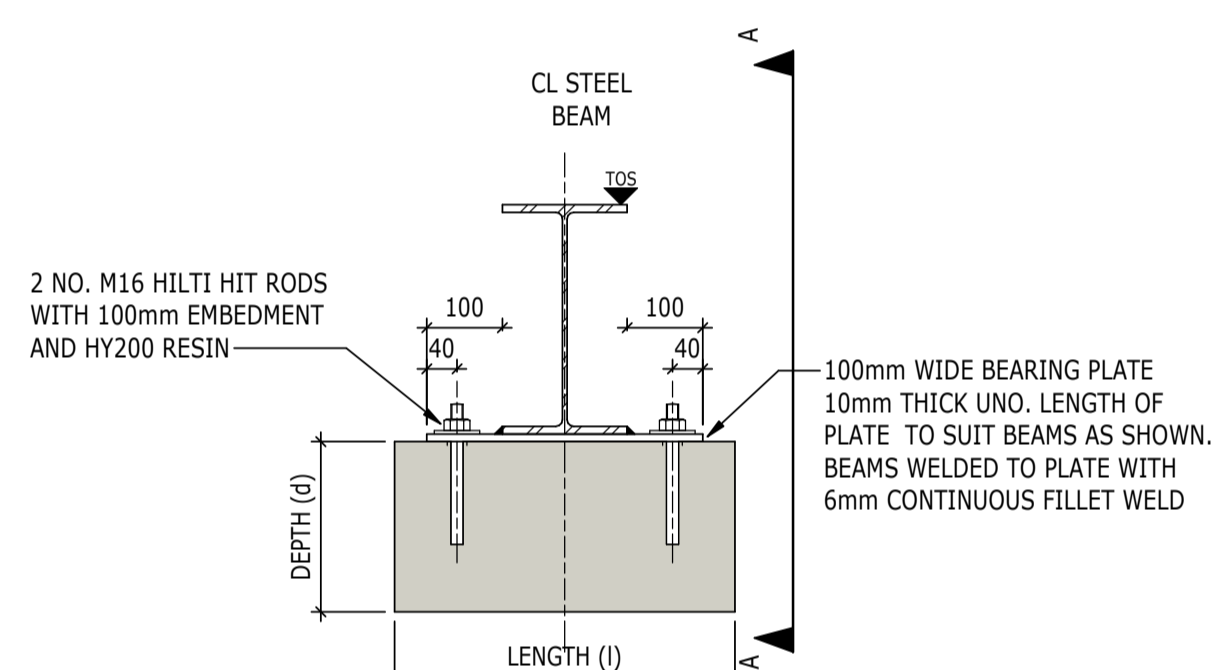
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1620014217	1 : 10	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-ZZ-DR-S-00501	P02		



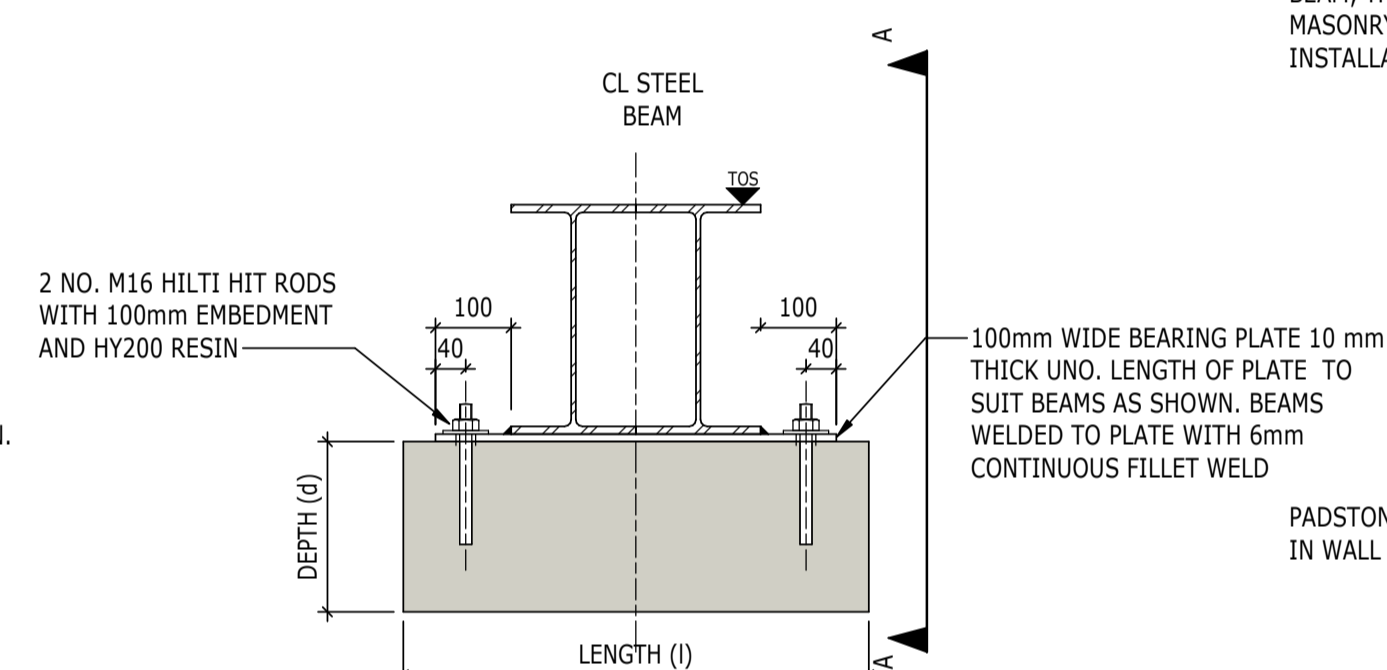
TYPICAL PADSTONE SETTING OUT DETAIL (DOUBLE BEAM) UNO. BEAM PARALLEL TO WALL/PIER
(SCALE 1:10)



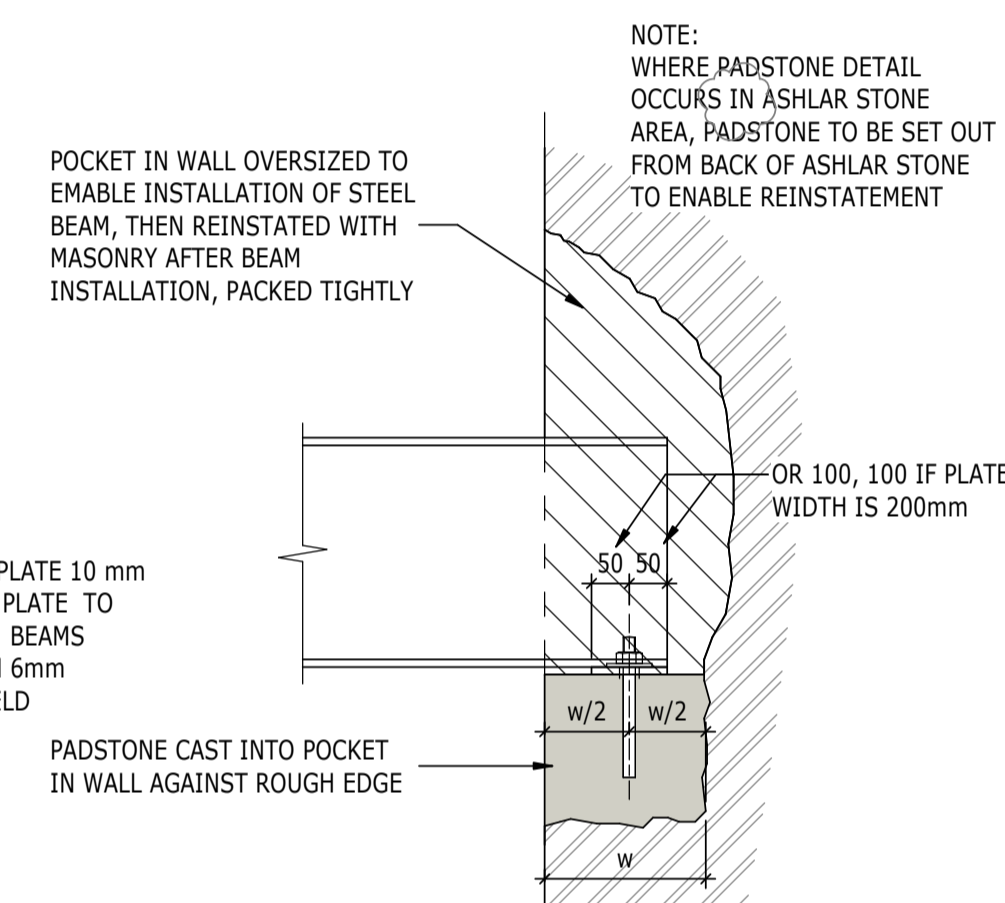
SECTION B
(SCALE 1:10)



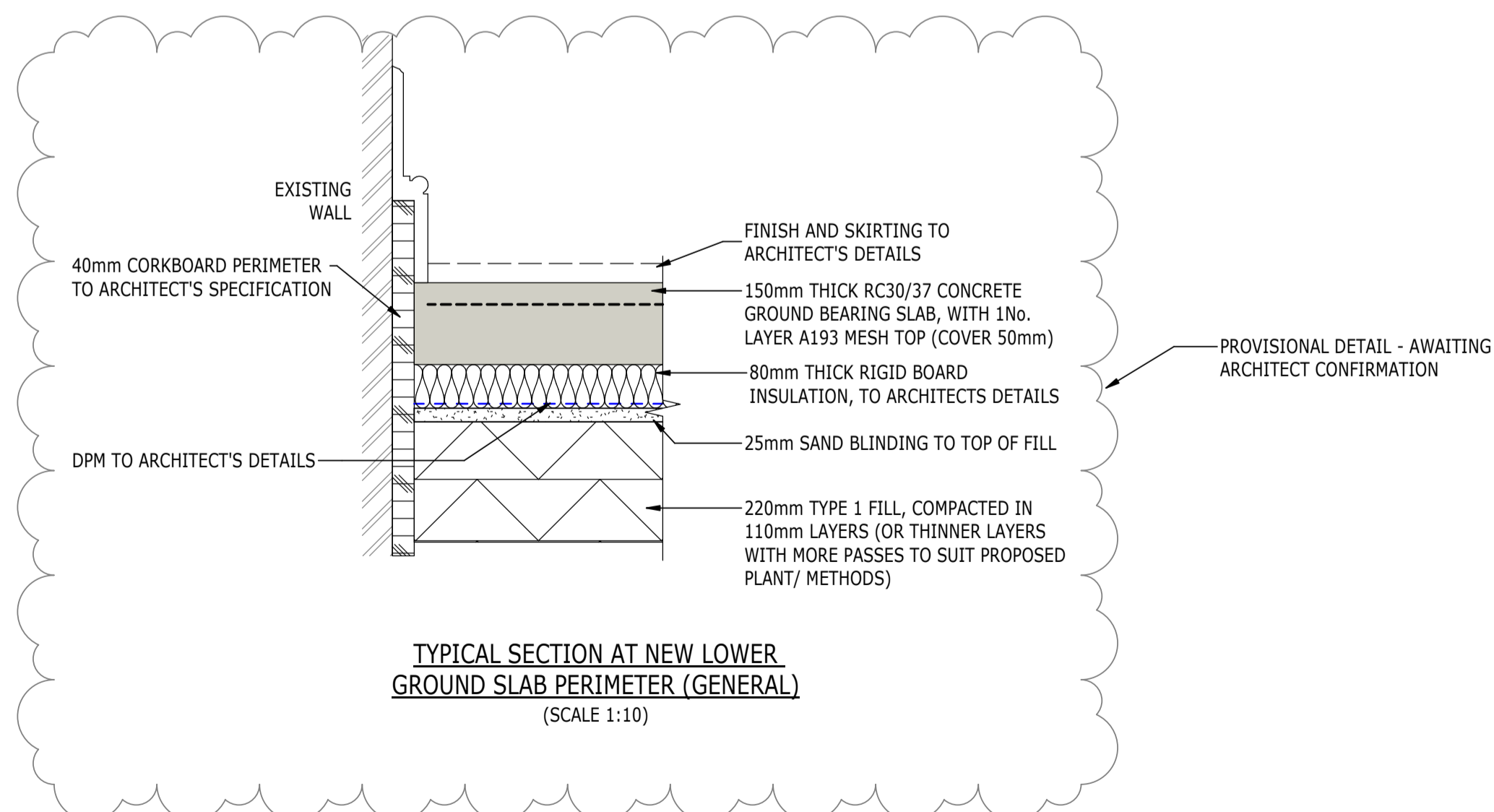
TYPICAL PADSTONE SETTING OUT DETAIL (SINGLE BEAM) U.N.O. BEAM PERPENDICULAR TO WALL
(SCALE 1:10)



TYPICAL PADSTONE SETTING OUT DETAIL (DOUBLE BEAM) U.N.O. BEAM PERPENDICULAR TO WALL
(SCALE 1:10)



SECTION A
(SCALE 1:10)



TYPICAL SECTION AT NEW LOWER GROUND SLAB PERIMETER (GENERAL)
(SCALE 1:10)

NOTES

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- INDICATES A RESIDUAL RISK AS A WARNING

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P01	PRELIMINARY DRAFT ISSUE	02/12	JC	PM
Rev	Description	Date	By	App
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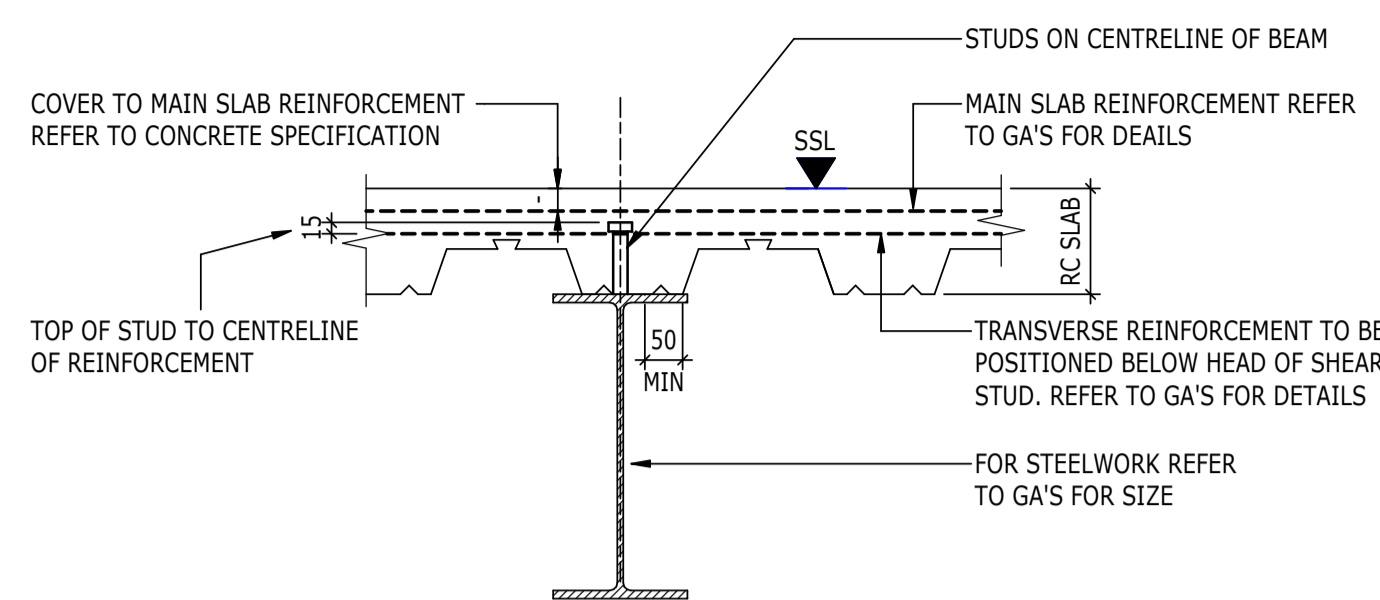
S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD

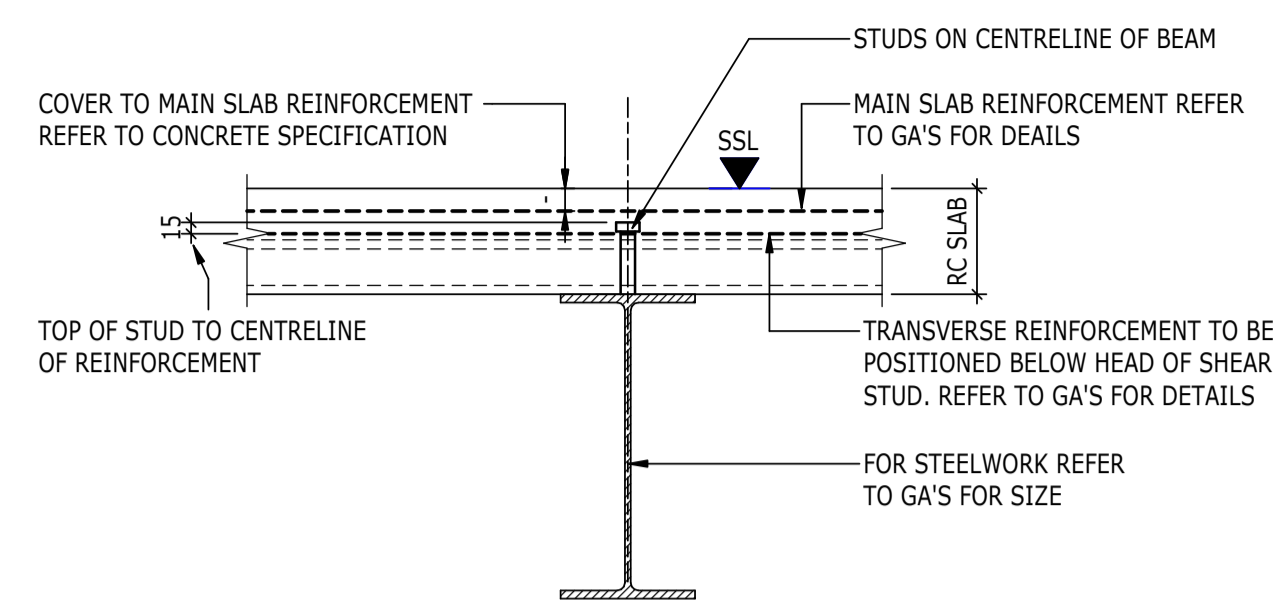


SUPERSTRUCTURE DETAILS
SHEET 1

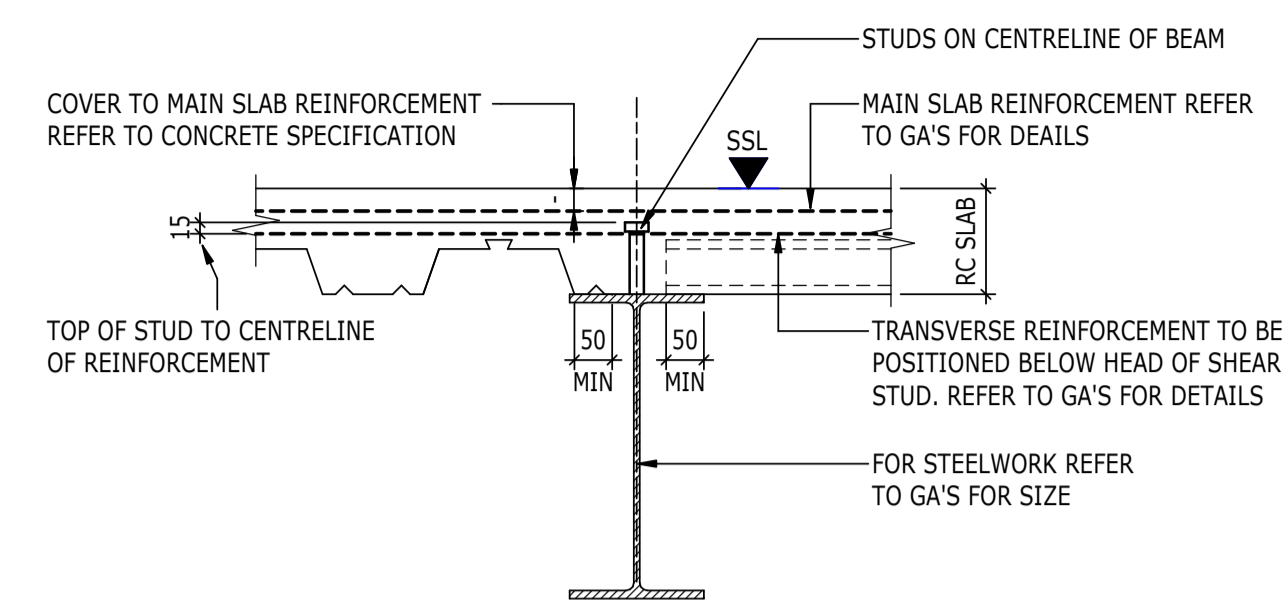
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1620014217	1 : 10	NOV'22	JC
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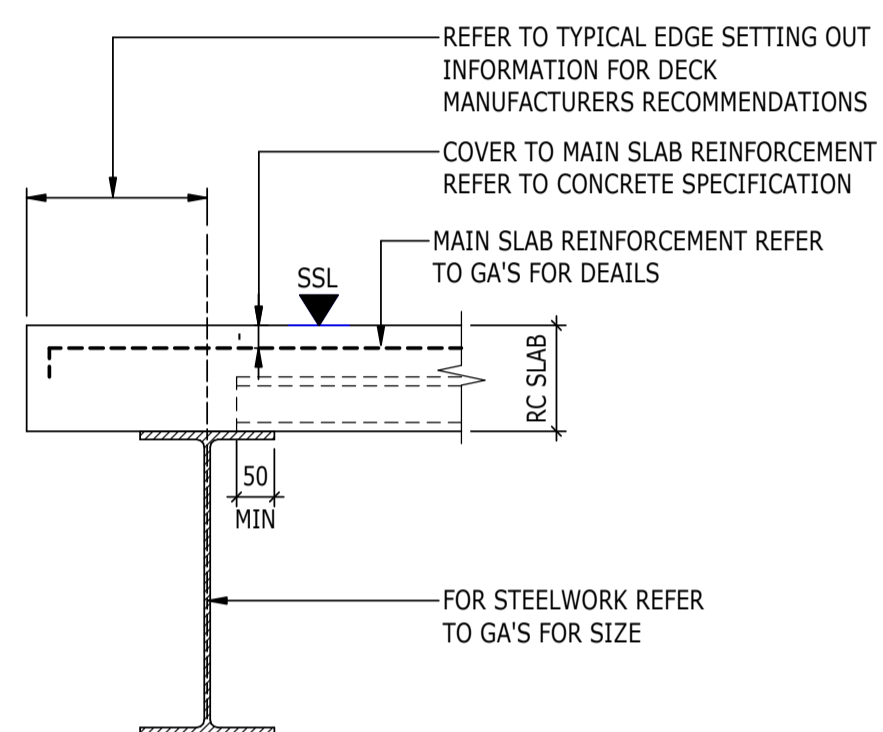
TYPICAL COMPOSITE SLAB
SPAN PERPENDICULAR TO BEAM
(SCALE 1:10)



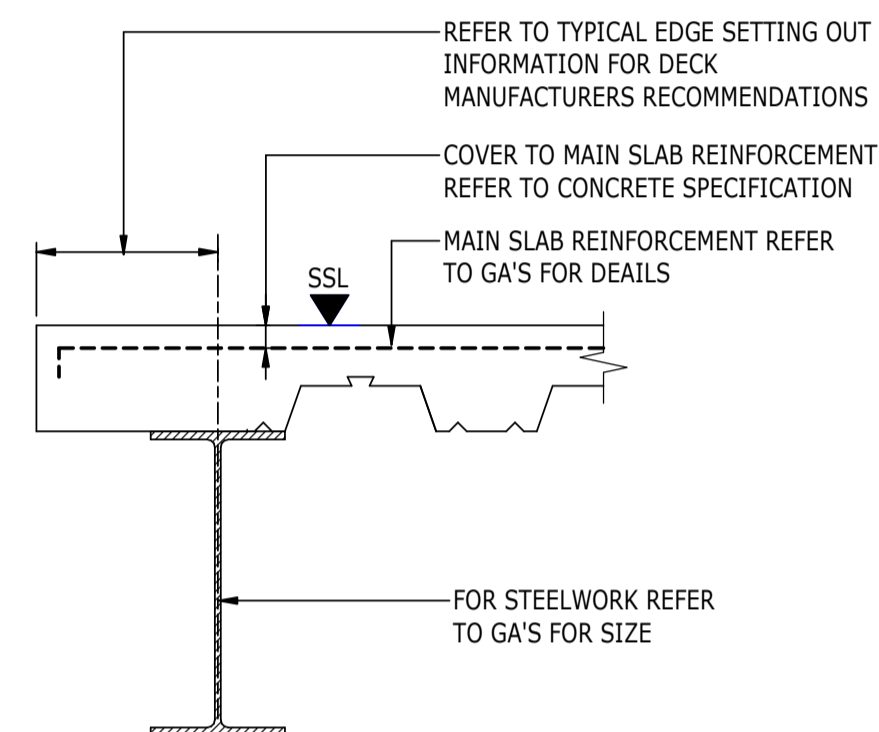
TYPICAL COMPOSITE SLAB
SPAN PARALLEL TO BEAM
(SCALE 1:10)



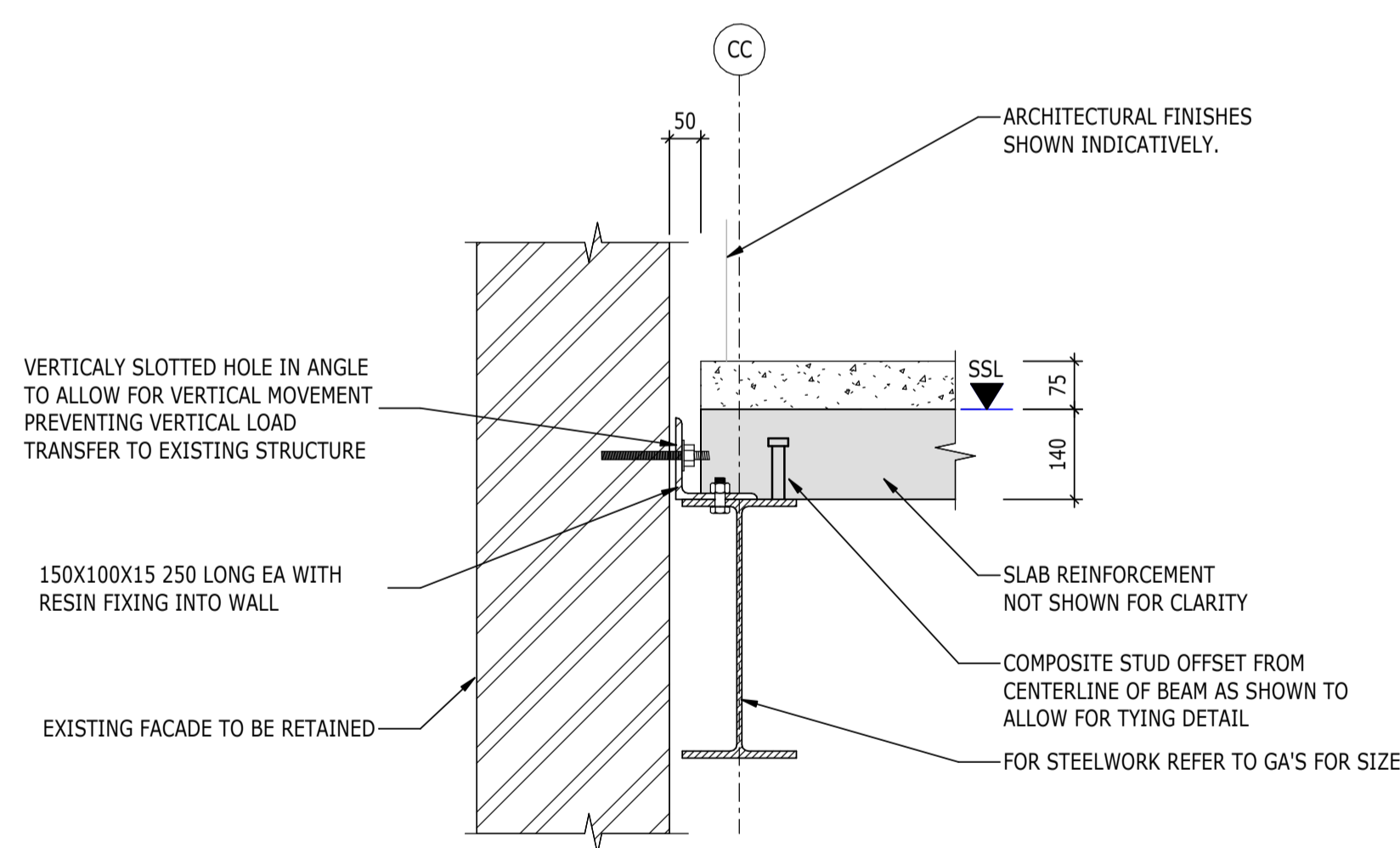
TYPICAL COMPOSITE SLAB
(CHANGE OF SPAN DIRECTION)
(SCALE 1:10)



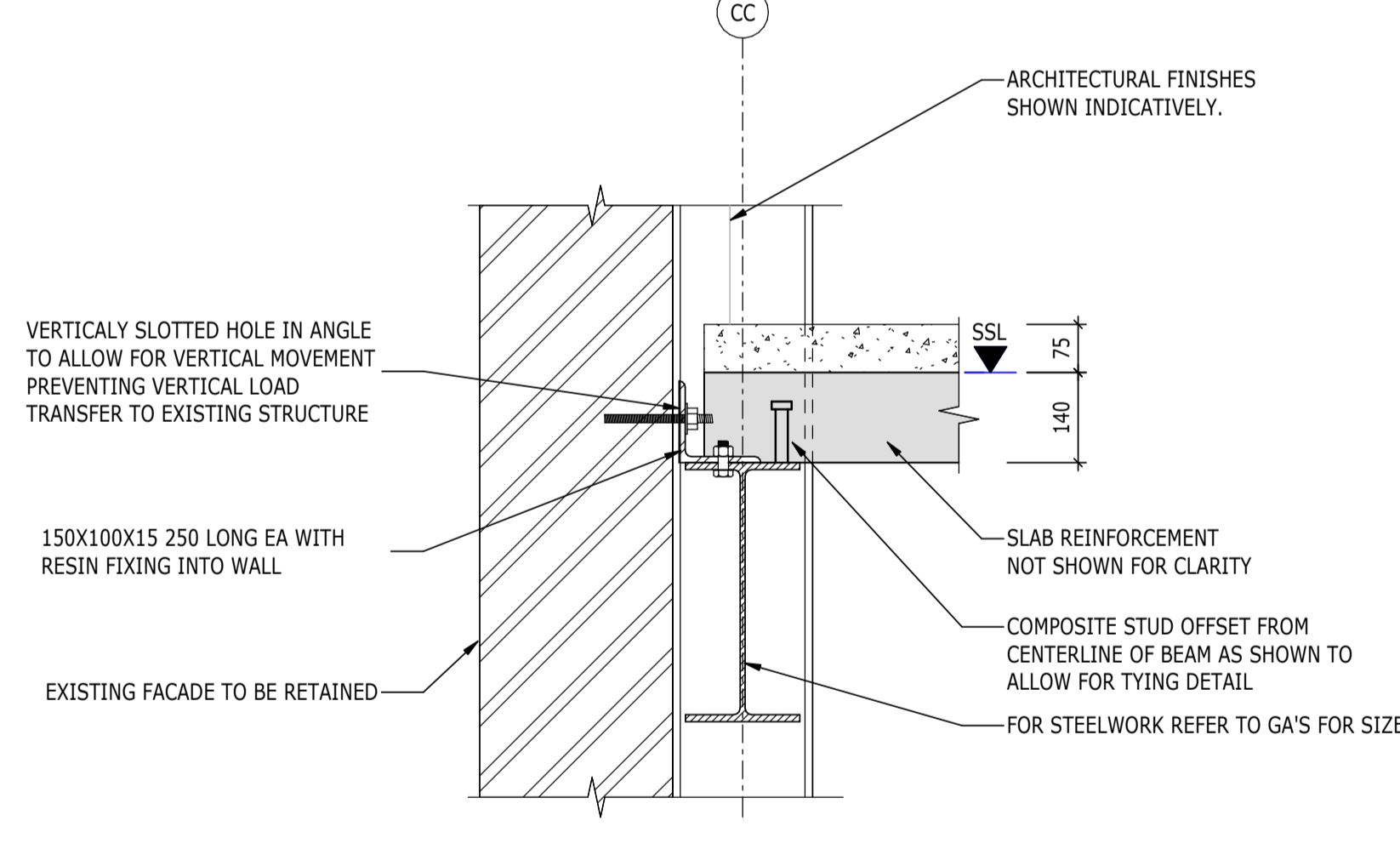
TYPICAL COMPOSITE SLAB EDGE
SPAN PERPENDICULAR TO BEAM
(SCALE 1:10)



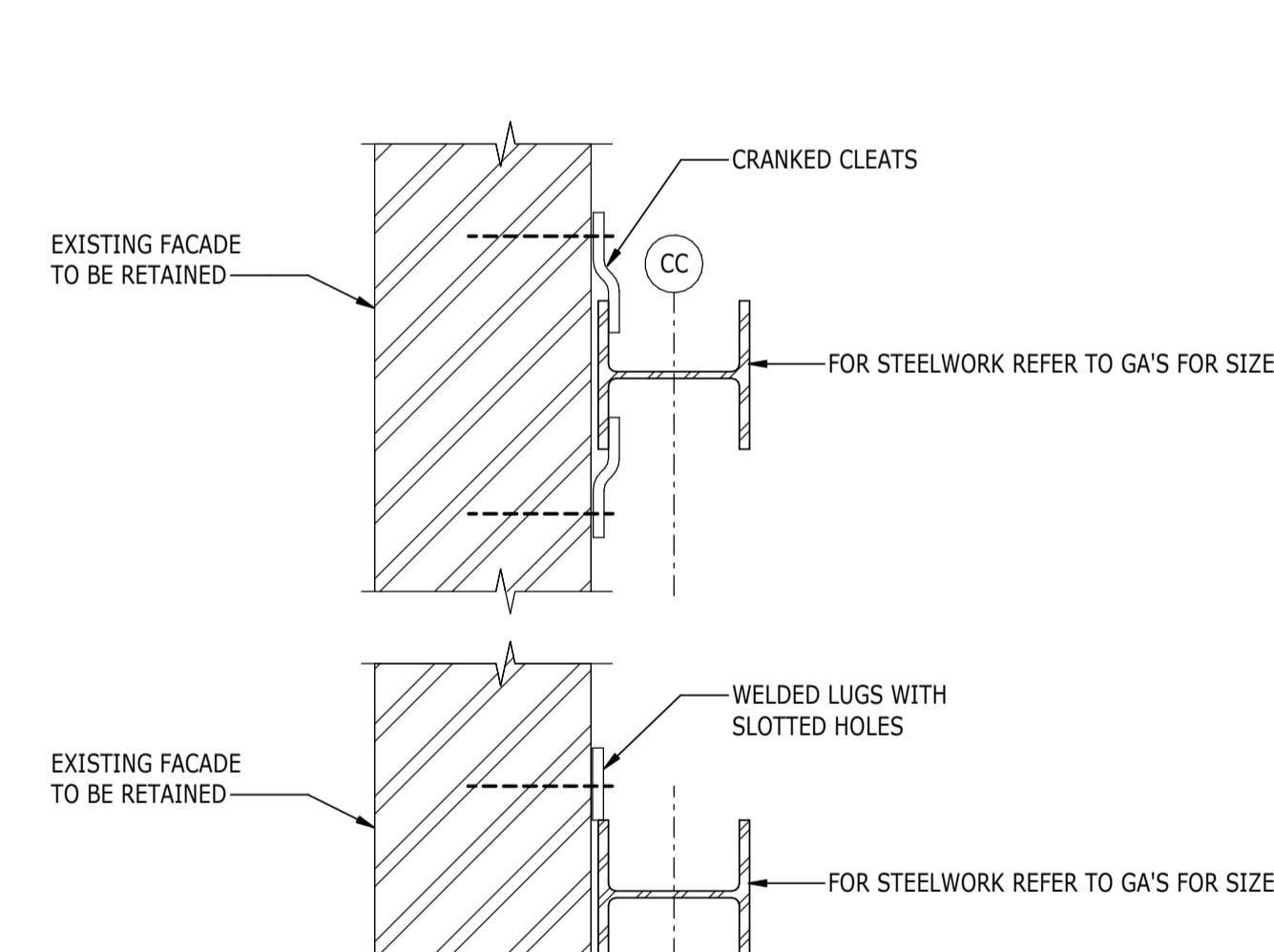
TYPICAL COMPOSITE SLAB EDGE
SPAN PARALLEL TO BEAM
(SCALE 1:10)



JUNCTION OF NEW FLOOR WITH
EXISTING RETAINED FACADE
(SCALE 1:10)



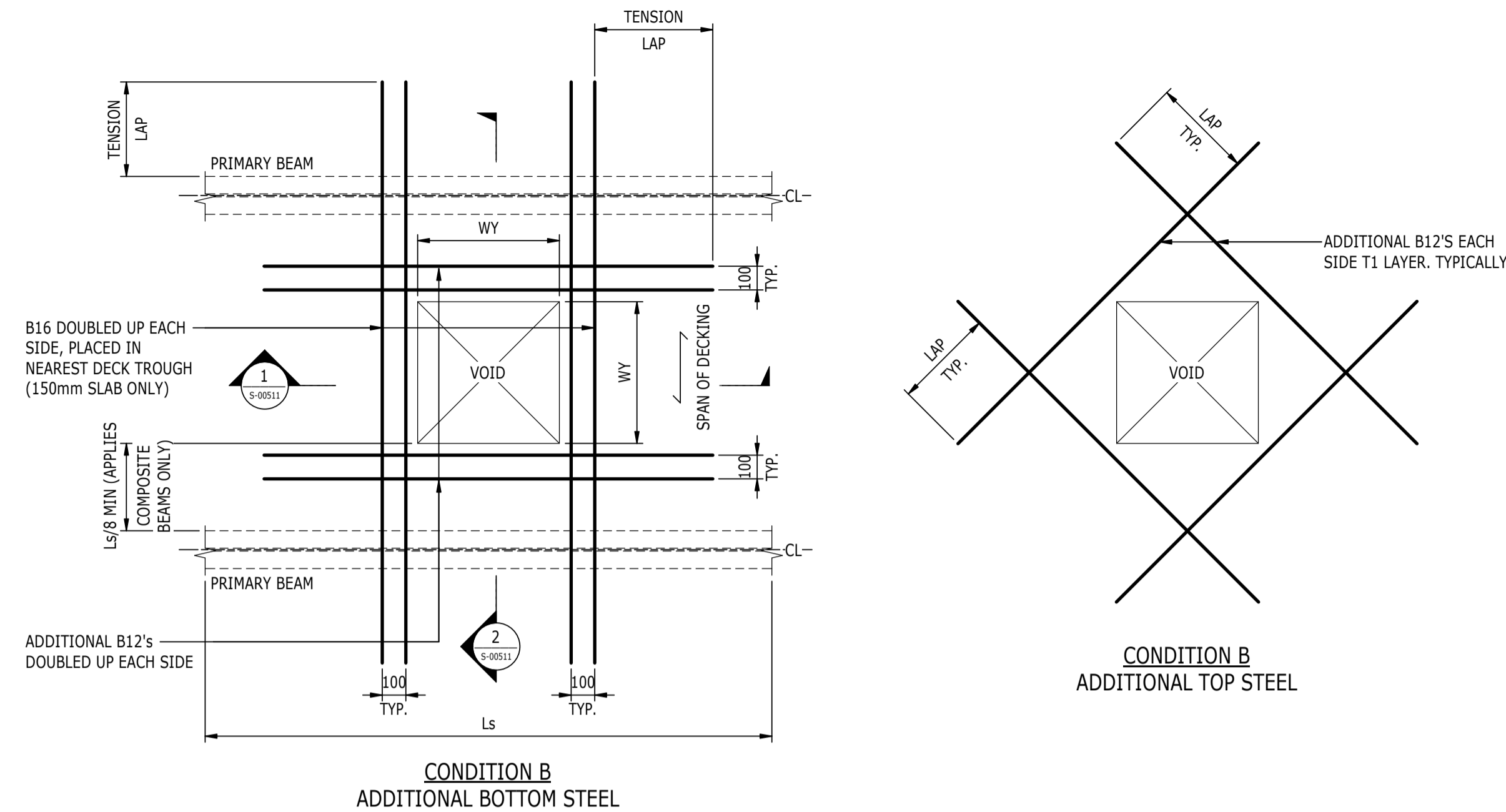
JUNCTION OF NEW FLOOR WITH
EXISTING RETAINED FACADE
(AT COLUMN GRIDLINE)
(SCALE 1:10)



(SCALE 1:10)

NOTES

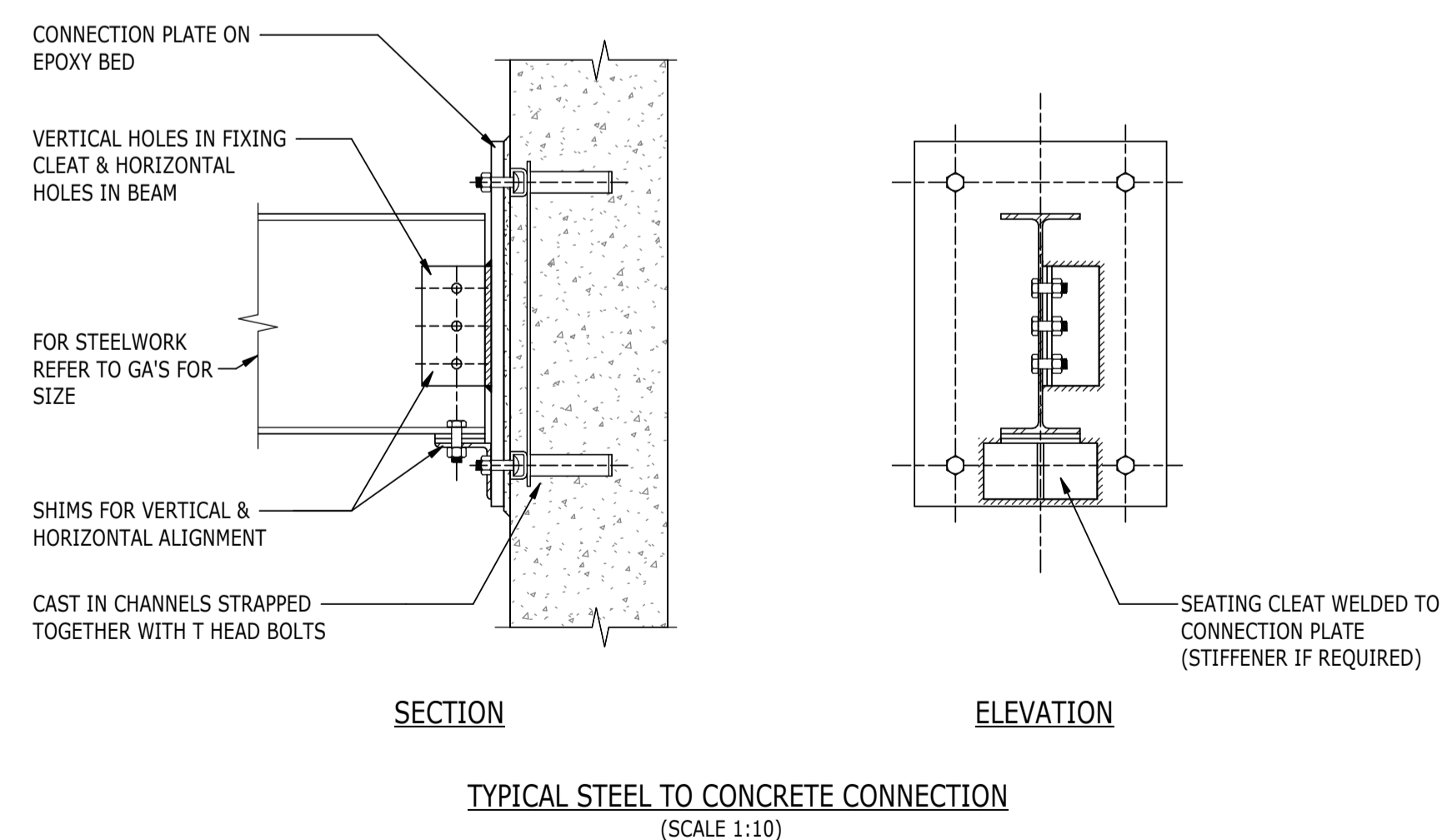
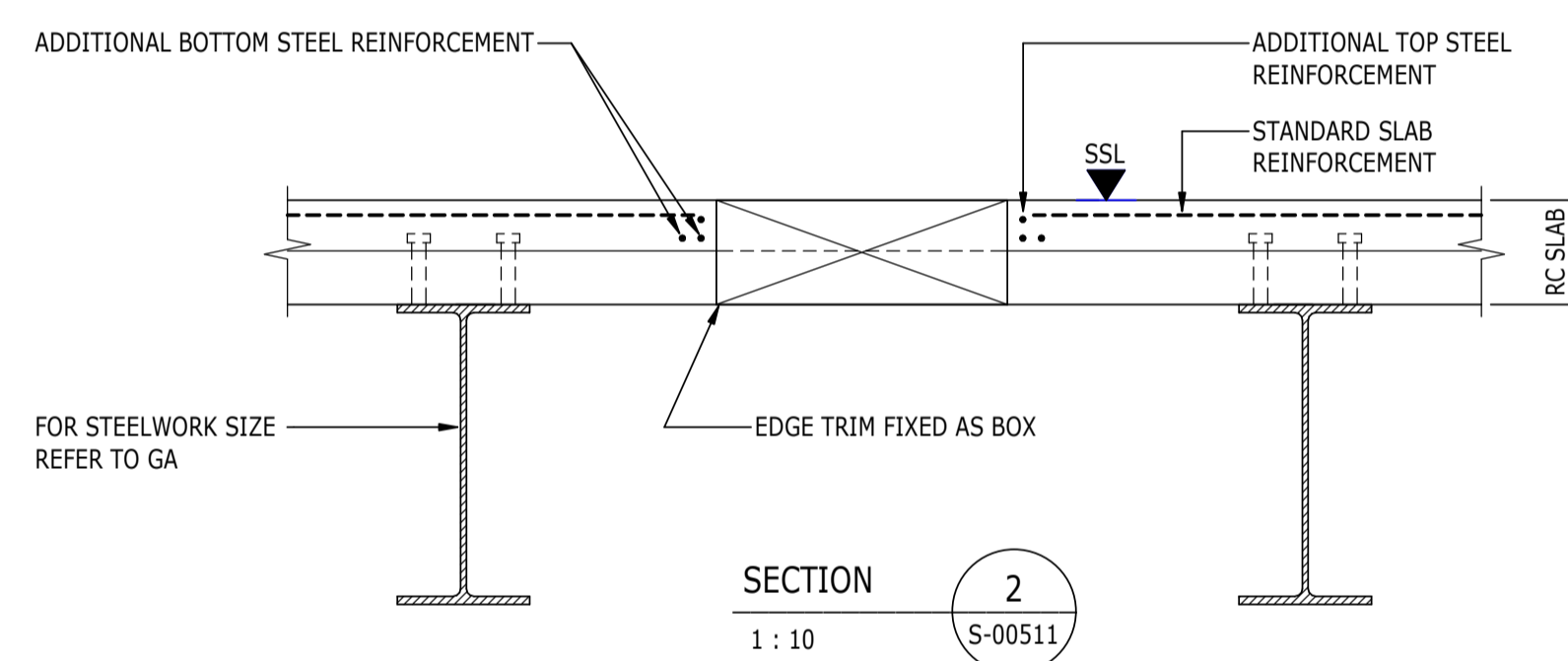
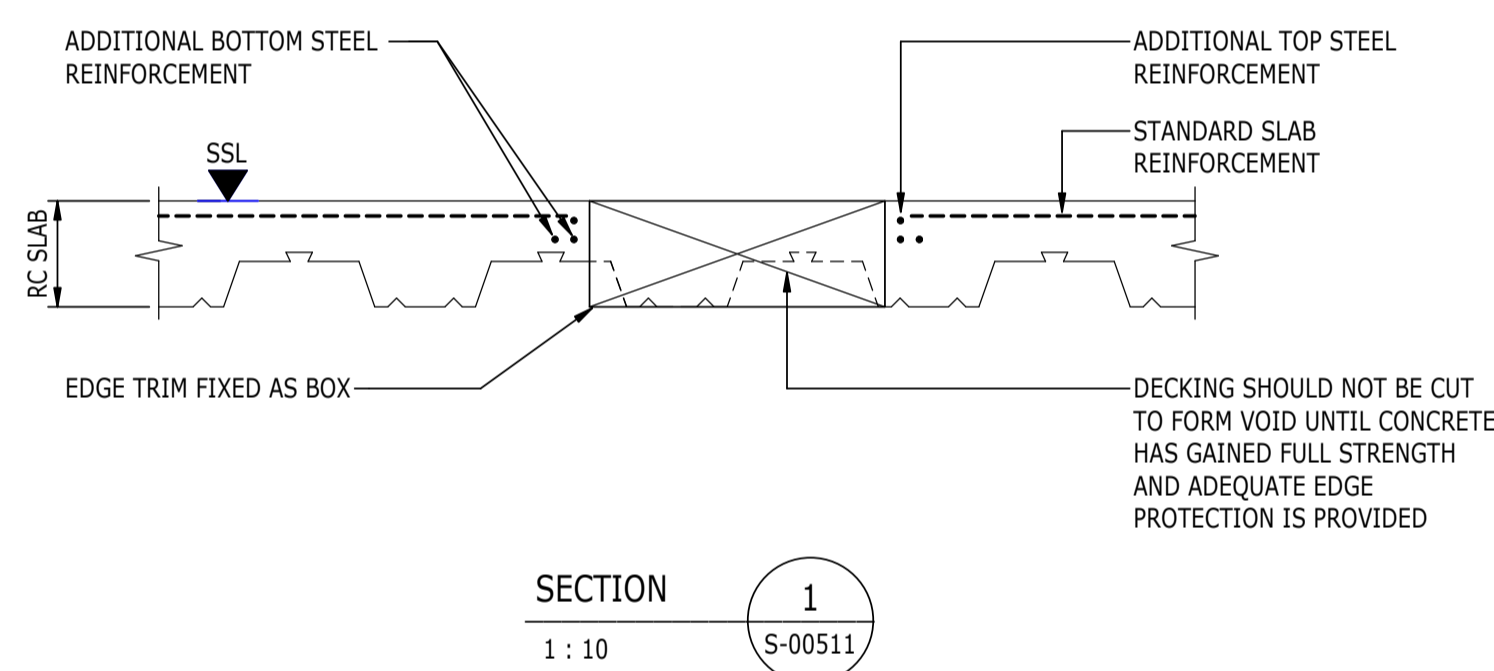
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TRIMMING OF OPENINGS IN METAL DECK SLABS		
CONDITION	OPENING SIZE	REQUIREMENTS
A	WY < 250mm	NO SPECIAL TREATMENT. BOX OUT OPENING PRIOR TO POURING CONCRETE. ONCE SLAB HAS CURED, THE DECK SHOULD BE CUT OUT USING A RECIPROCATING SAW OR NIBBLER
B	250mm < WY < 700mm	OPENING FORMED AS ABOVE. ADDITIONAL REINFORCEMENT REQUIRED
C	700mm < WY	STRUCTURAL STEEL TRIMMING REQUIRED

NB: SIZE CATEGORIES APPLY TO ISOLATED OPENINGS ONLY NOT GROUPS. OPENINGS CLOSER THAN 1.5 x THE WIDTH OF THE LARGEST HOLE SHOULD BE TREATED AS ONE LARGE OPENING

STANDARD SLAB REINFORCING OMITTED FOR CLARITY



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SUPERSTRUCTURE DETAILS
SHEET 2

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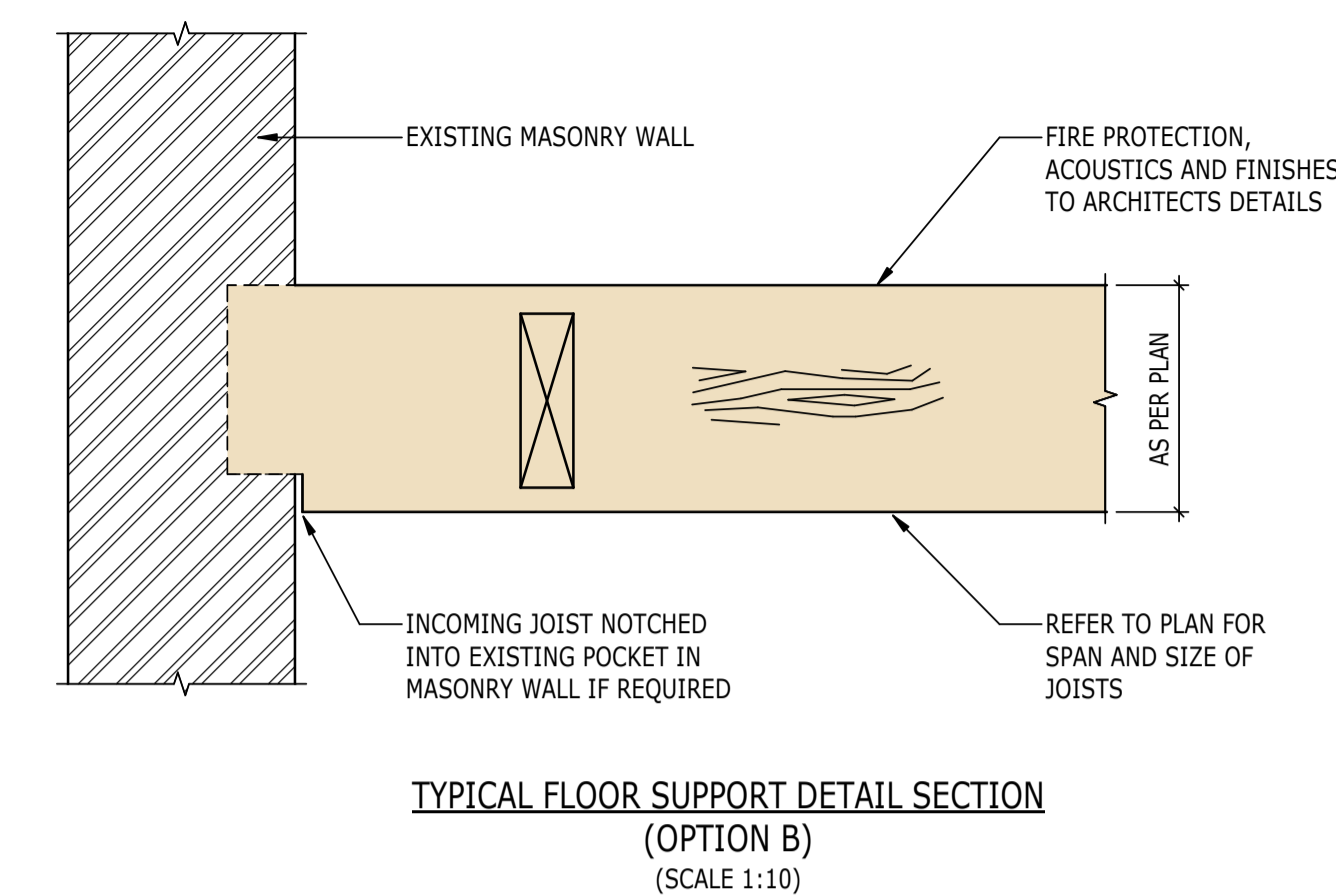
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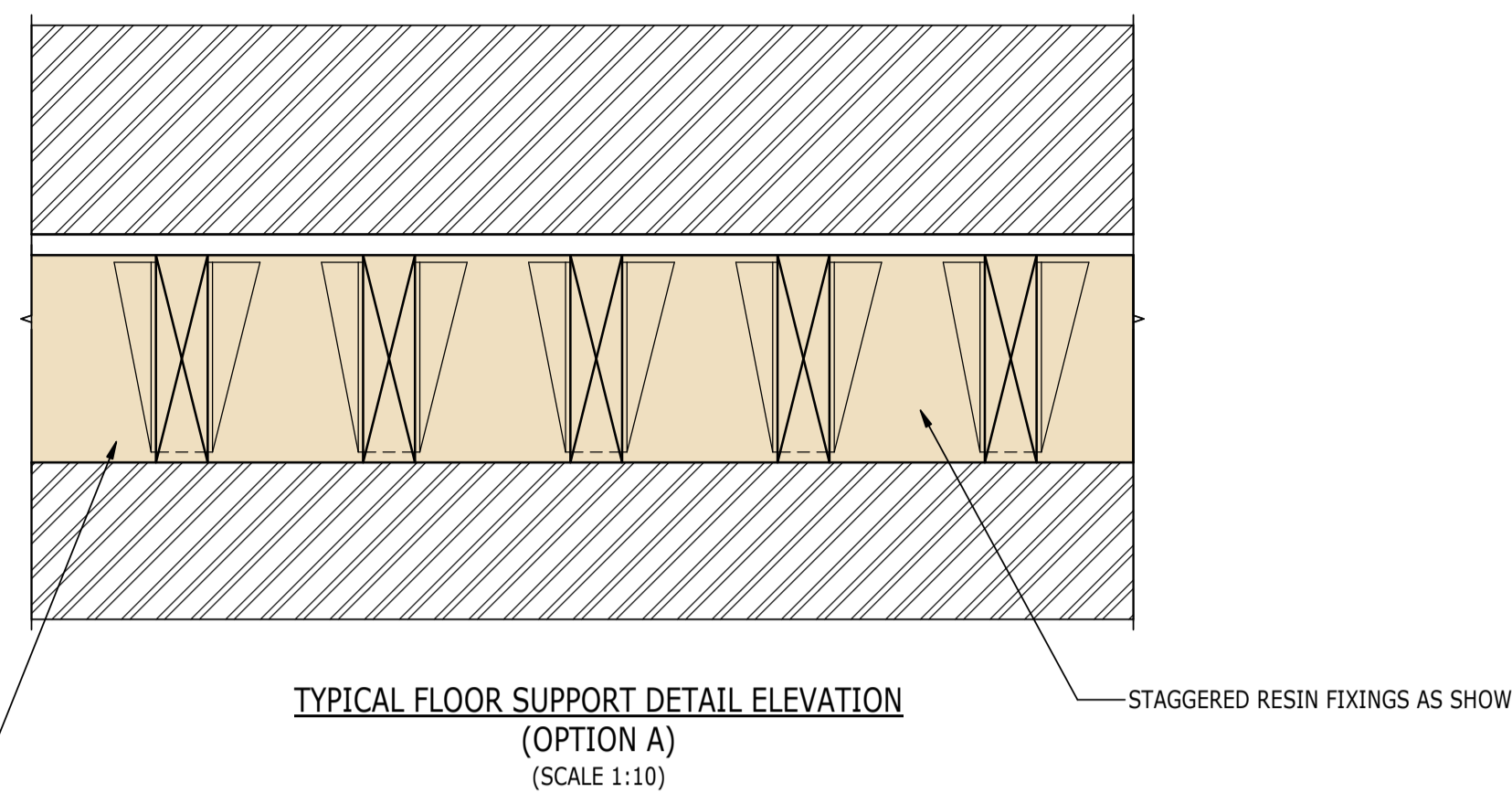
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TYPICAL TIMBER DETAILS

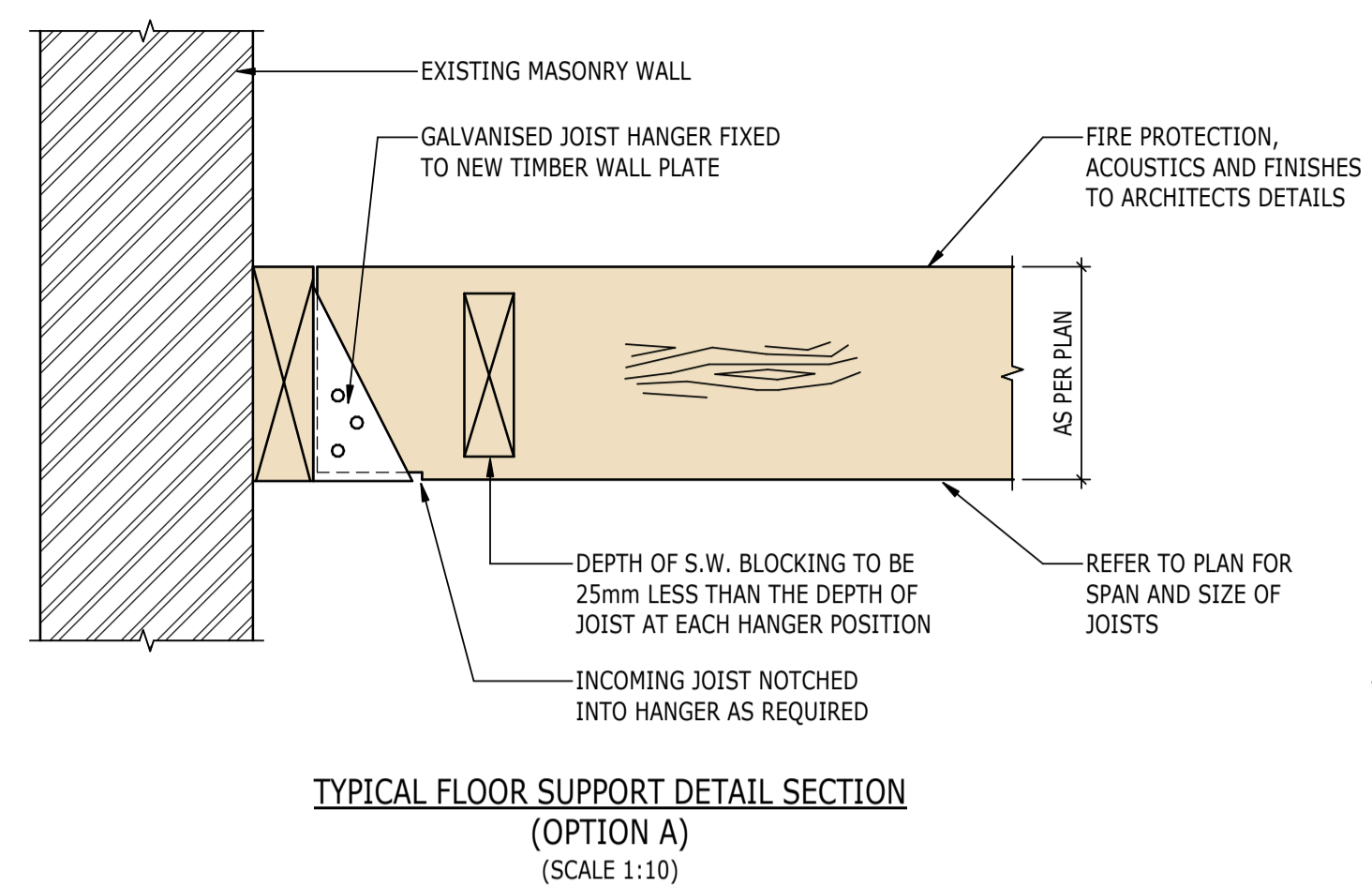
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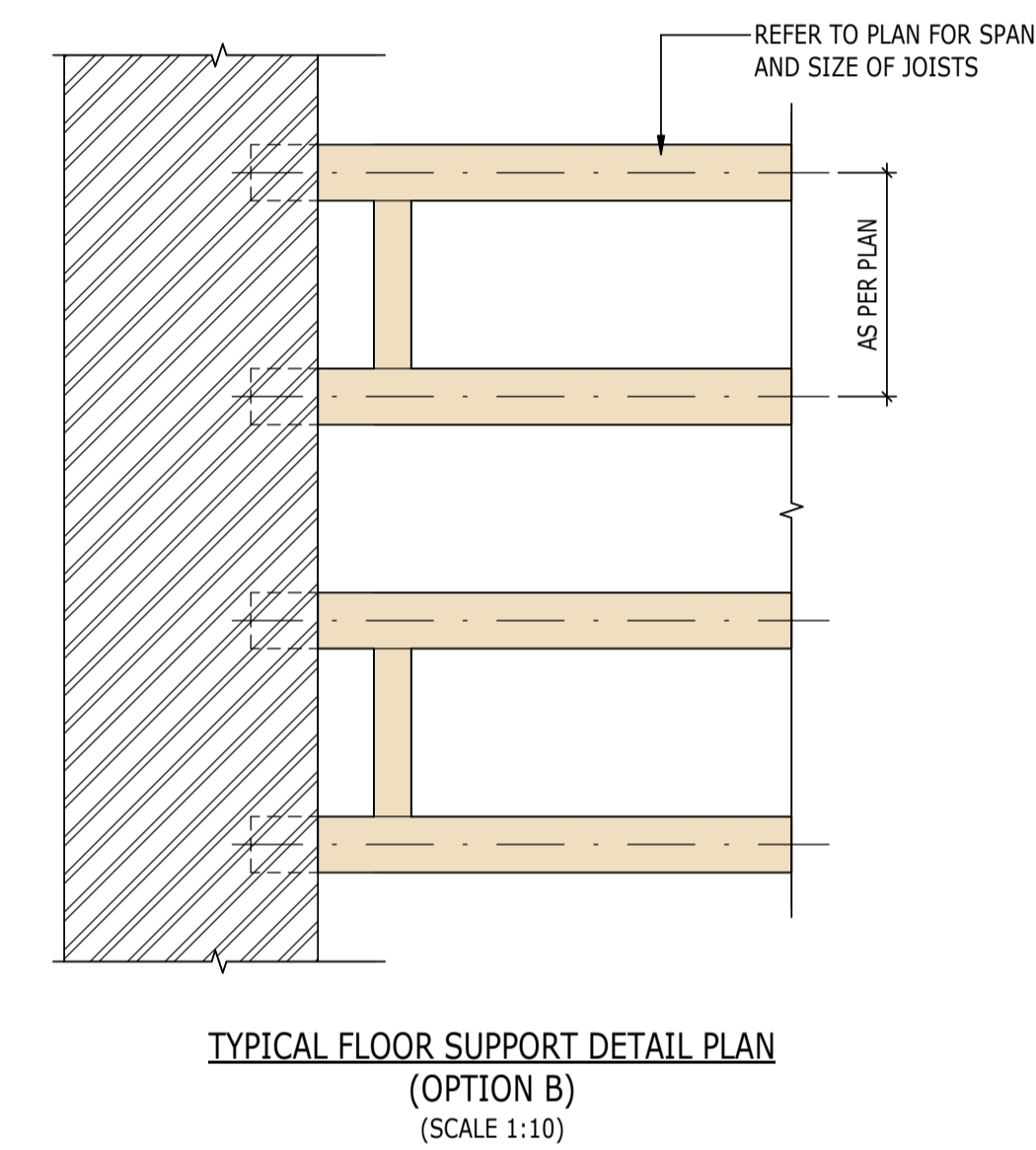
TYPICAL FLOOR SUPPORT DETAIL SECTION
(OPTION B)
(SCALE 1:10)



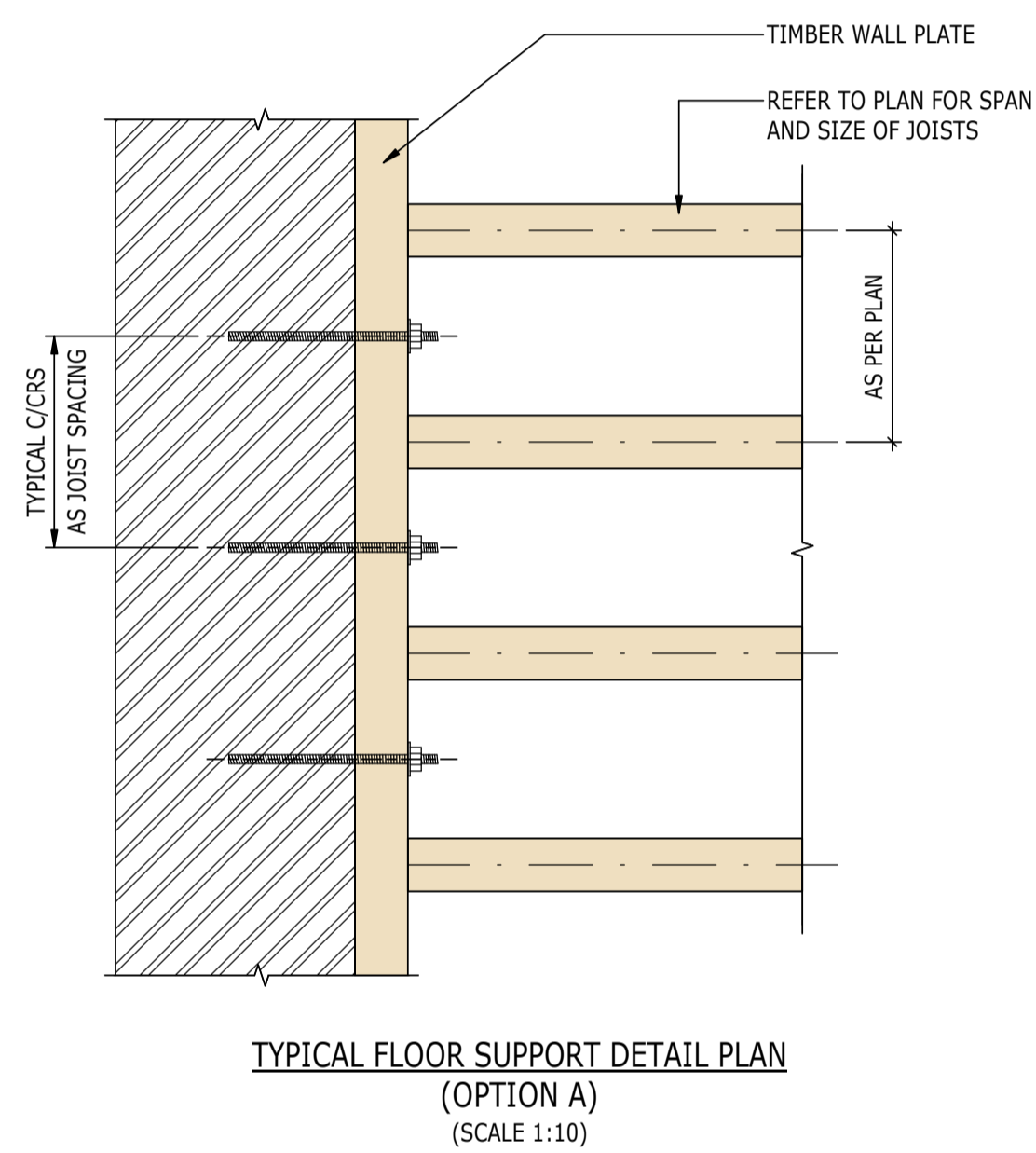
TYPICAL FLOOR SUPPORT DETAIL ELEVATION
(OPTION A)
(SCALE 1:10)



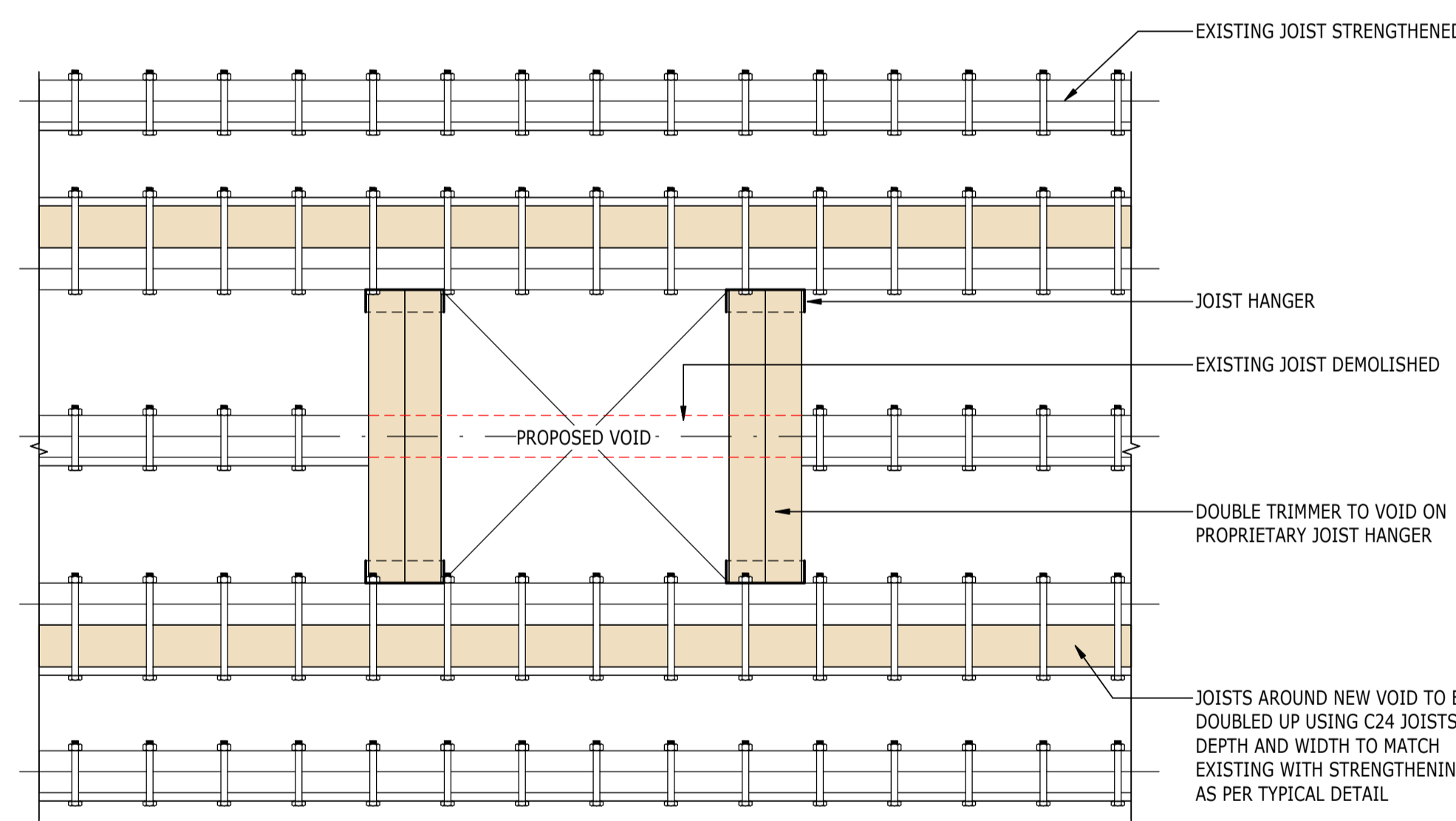
TYPICAL FLOOR SUPPORT DETAIL SECTION
(OPTION A)
(SCALE 1:10)



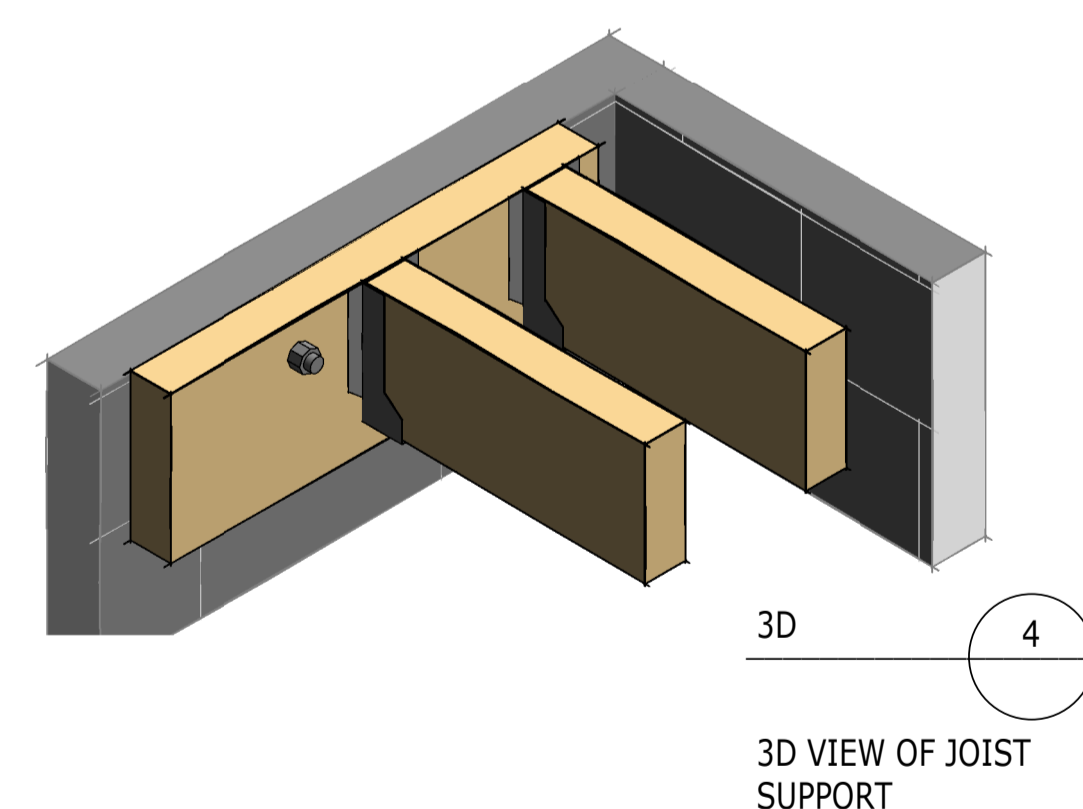
TYPICAL FLOOR SUPPORT DETAIL PLAN
(OPTION B)
(SCALE 1:10)



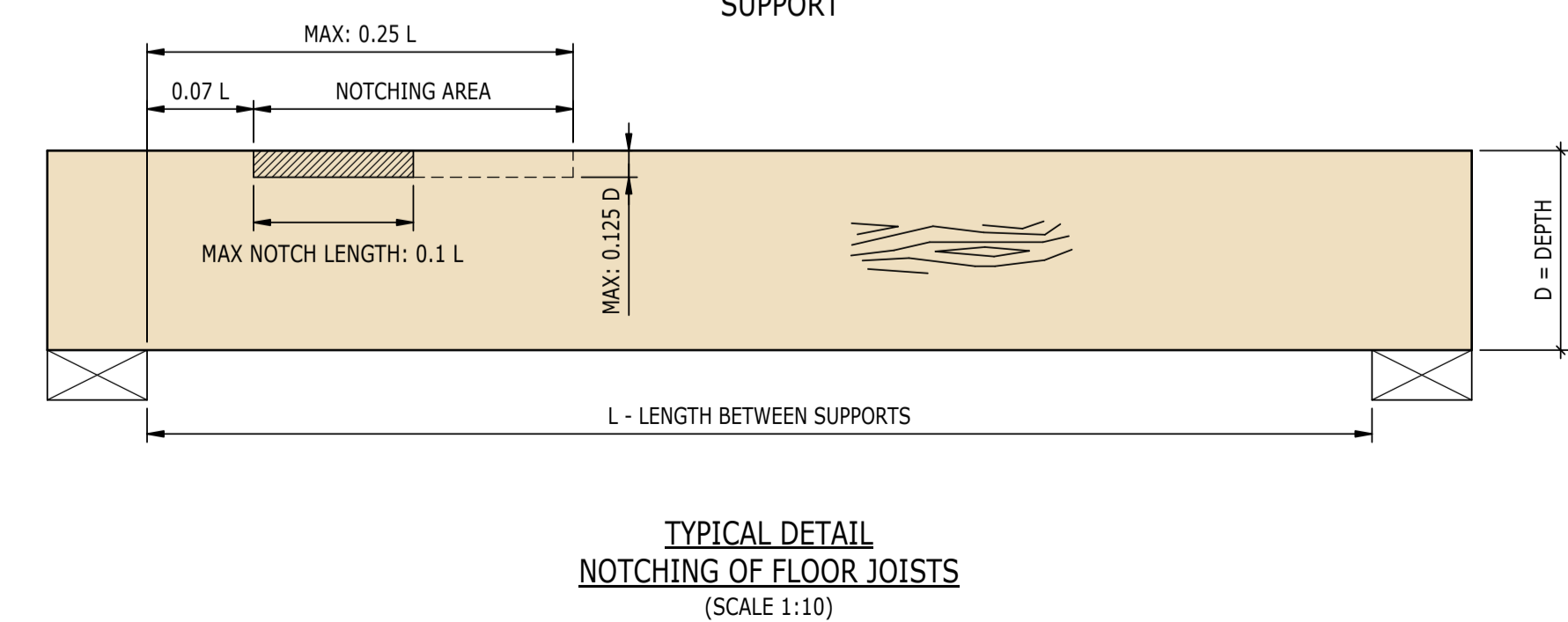
TYPICAL FLOOR SUPPORT DETAIL PLAN
(OPTION A)
(SCALE 1:10)



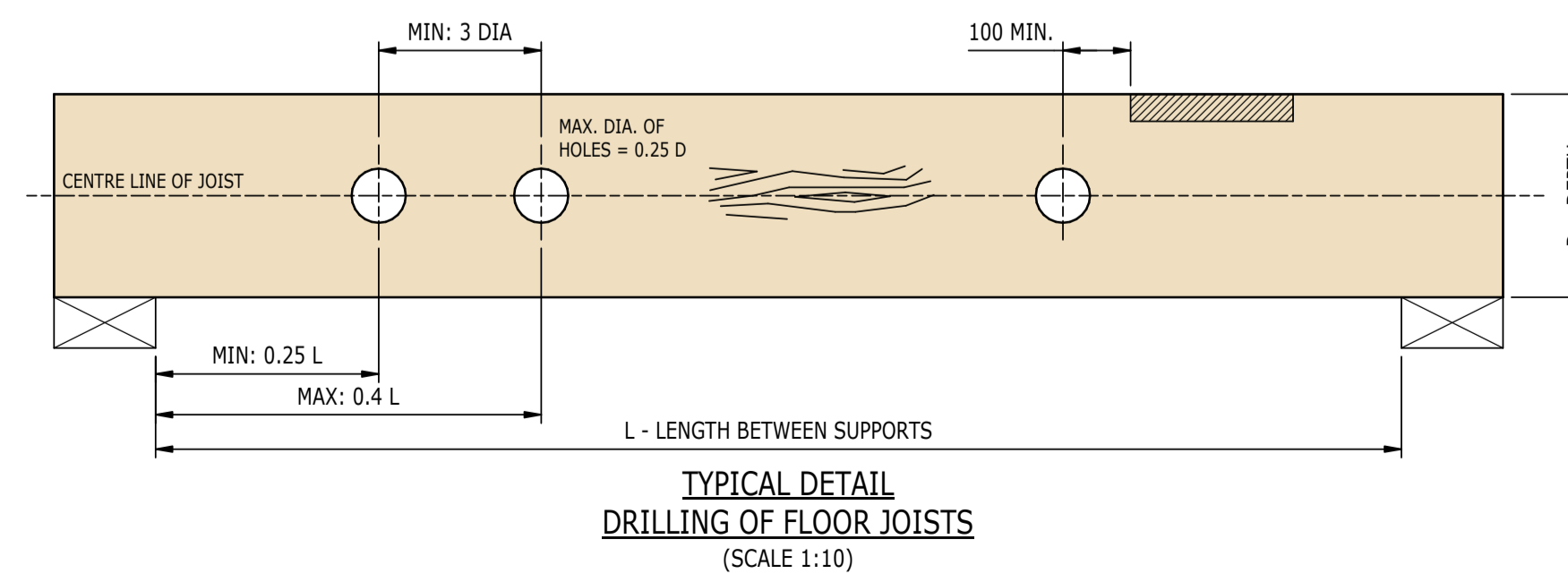
PLAN ON EXISTING JOIST SHOWING NEW VOIDS
(SCALE 1:10)



3D VIEW OF JOIST SUPPORT



TYPICAL DETAIL
NOTCHING OF FLOOR JOISTS
(SCALE 1:10)







TYPICAL DETAIL
DRILLING OF FLOOR JOISTS
(SCALE 1:10)

NOTES

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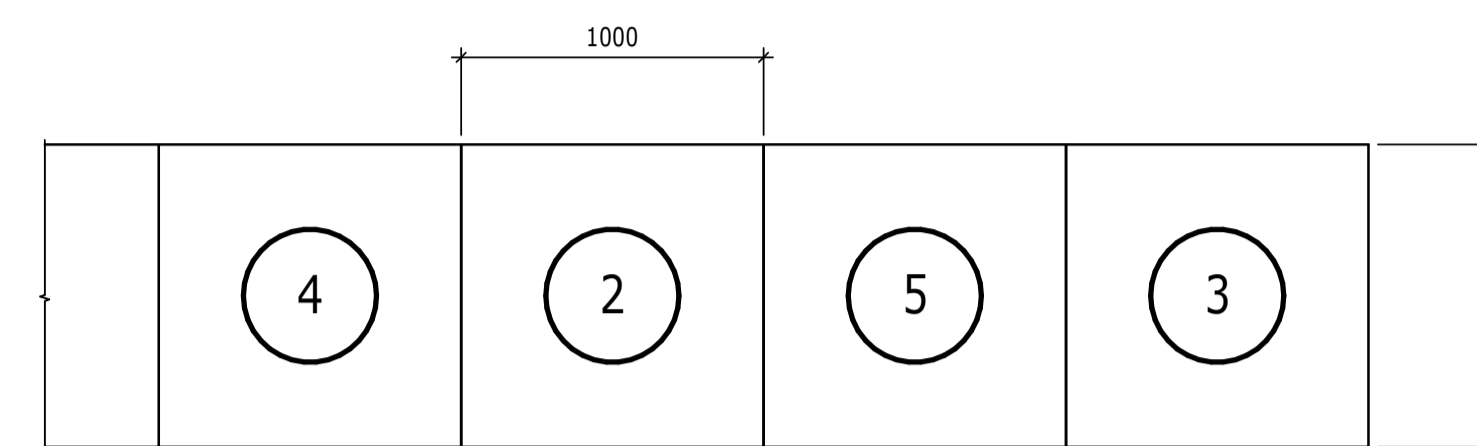
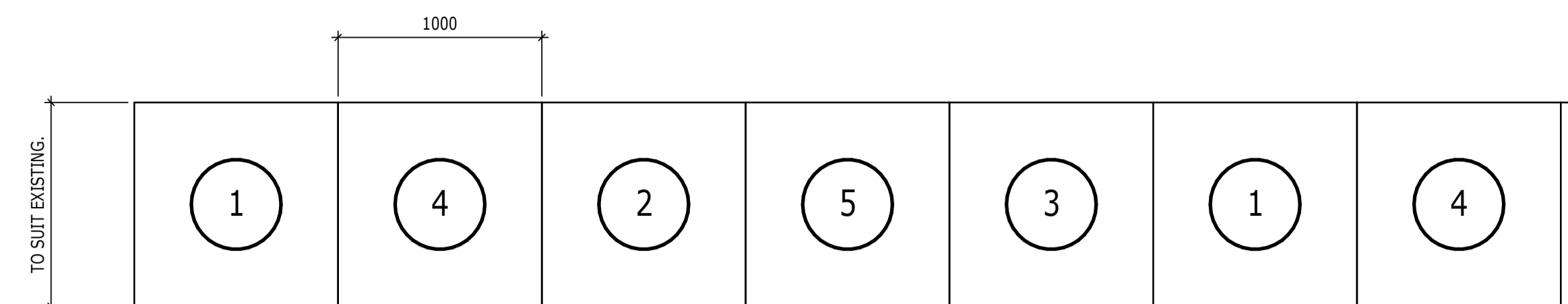
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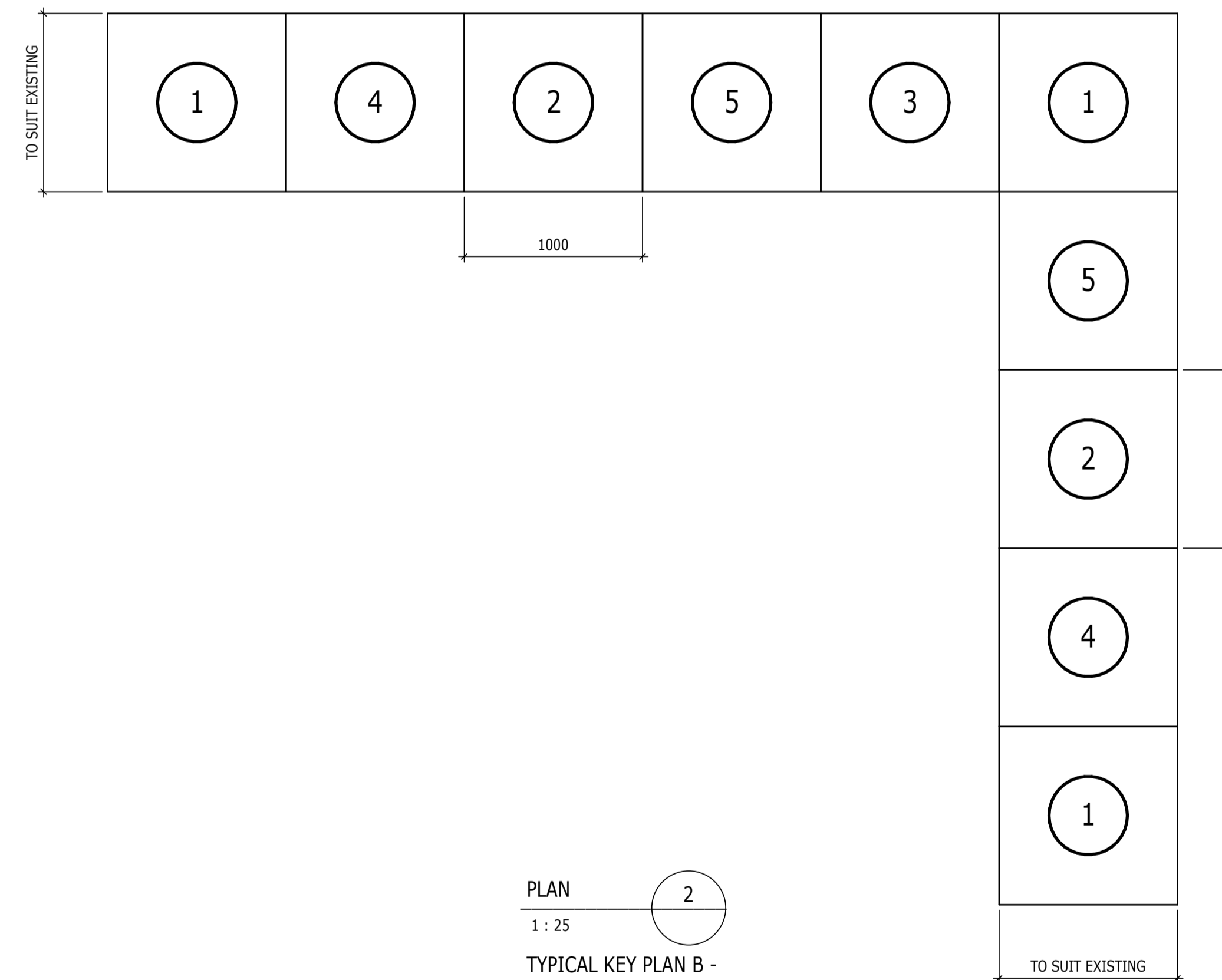
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TYPICAL UNDERPINNING
DETAILS

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PLAN
1 : 25
TYPICAL KEY PLAN A -
UNDERPINNING



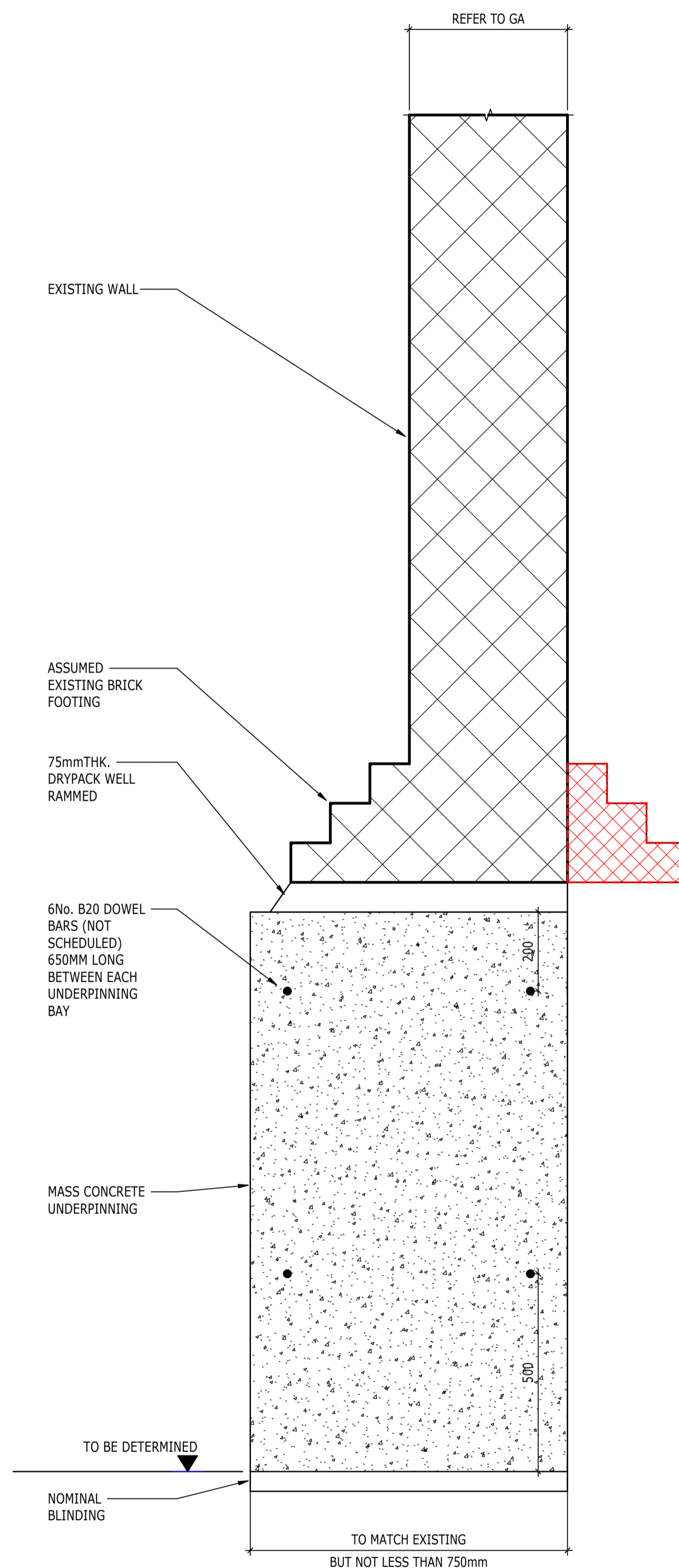
PLAN
1 : 25
TYPICAL KEY PLAN B -
UNDERPINNING

SEQUENCE OF OPERATIONS:-

- INSTALL SACRIFICIAL PROPS (ADJUSTABLE OR DRY PACKED) USING THE METHOD AND DETAILS SEQUENCE AGREED WITH THE STRUCTURAL ENGINEER.
- EXCAVATE BETWEEN AND FIX REBAR BEAM CAGE.
- CONCRETE BEAM TO UNDERSIDE OF WALL OR
- DRY PACK WELL RAMMED TO BEAMS TOTAL LENGTH.
- EXCAVATE BSE AFTER A MINIMUM OF 48 HOURS.
- FIX ANTI-HEAVE AND POUR BASE TO FORMATON/ WITHIN 75mm OF BEAM SOFFIT.
- DRY PACK WELL RAMMED OVER BASE TO UNDERSIDE OF BEAM.
- FORM 150MM VOID DEPTH UNDER GROUND BEAM.

SHOWN ABOVE ARE TYPICAL NUMBERING OF BAYS OR AS AGREED IN ADVANCE WITH THE STRUCTURAL ENGINEER IF THERE ARE FEWER THAN 5no. BAYS

FOR SEQUENCE OF PROPOSED TEMPORARY PROPPING REFER TO DRAWING PRODUCED BY RDG.



SECTION
1 : 10
TYPICAL SECTION -
UNDERPINNING

GENERAL NOTES

- ALL DIMENSIONS ARE IN mm.
 - THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND SERVICES ENGINEERS DRAWINGS AND SPECIFICATIONS.
 - ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR AND ANY DISCREPANCIES BROUGHT TO THE ENGINEERS & ARCHITECTS ATTENTION IN ACCORDANCE WITH THE SPECIFICATION.
 - FOR THE PURPOSES OF CONSTRUCTION, THIS DRAWING MUST NOT BE SCALED AND ONLY WRITTEN OR CALCULATED DIMENSIONS USED.
 - ALL PROPRIETARY PRODUCTS TO BE USED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION AND DETAILS.
 - GENERALLY ONLY HOLES, POCKETS, RECESSES ETC WITH ANY DIMENSION GREATER THAN 200mm ARE SHOWN ON THE DRAWINGS. FOR CONFIRMATION OF THESE AND FOR DETAILS OF SMALLER HOLES, INSERTS, FIXINGS ETC, REFERENCE SHOULD BE MADE TO THE ARCHITECTS, SERVICES ENGINEERS AND OTHER RELEVANT CONSULTANTS BUILDERS WORK DRAWINGS.
 - ALL TEMPORARY WORKS ARE TO BE DESIGNED AND INSTALLED BY THE CONTRACTOR.
 - ALTHOUGH EVERY EFFORT HAS BEEN TAKEN TO CHECK SURVEY/SITE INFORMATION USED ON THIS DRAWING, RAMBOLL ARE NOT RESPONSIBLE FOR ITS ACCURACY.
- ALL SETTING OUT IS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.
- ALL COLUMNS AND BASES ARE SET OUT CENTRALLY ON GRIDLINES, UNLESS NOTED OTHERWISE.
 - FOR DETAILS OF LIGHTNING PROTECTION REFER TO SERVICES ENGINEERS DRAWINGS.
 - REFER TO ARCHITECTS DRAWINGS FOR WATERPROOFING DETAILS.

DESIGN GUIDES

THE FOLLOWING BRITISH STANDARDS, CODES OF PRACTICE AND REFERENCES HAVE BEEN USED:

BS EN 1990 BASIS OF STRUCTURAL DESIGN
BS EN 1991 ACTIONS ON STRUCTURES
BS EN 1992 DESIGN OF CONCRETE STRUCTURES
BS EN 1993 DESIGN OF STEEL STRUCTURES
BS EN 1994 DESIGN OF STEEL AND CONCRETE COMPOSITE STRUCTURES
BS EN 1995 DESIGN OF TIMBER STRUCTURES
BS EN 1996 DESIGN OF MASONRY STRUCTURES
BS EN 1997 GEOTECHNICAL DESIGN

BS 8500-1 CONCRETE - COMPLEMENT TO BS EN 206-1
(PART 1: METHOD OF SPECIFYING AND GUIDANCE FOR SPECIFIER)

STRUCTURAL NOTATIONS

REINFORCEMENT ABBREVIATIONS:

B: DENOTES BOTTOM LAYER
T: DENOTES TOP LAYER
EF: DENOTES EACH FACE
EW: DENOTES EACH WAY
NF: DENOTES NEAR FACE
FF: DENOTES FAR FACE
ALT: DENOTES ALTERNATE BARS
STG: DENOTES STAGGERED BARS
UB: DENOTES U-BARS
LL: DENOTES LONG LEG

FOUNDATION PREFIXES:

CP: DENOTES CONCRETE PILE
SP: DENOTES STEEL PILE
PF: DENOTES PAD FOOTING
SF: DENOTES STRIP FOOTING
PC: DENOTES PILE CAP
RW: DENOTES RETAINING WALL
GB: DENOTES GROUND BEAM

STRUCTURE PREFIXES:

CC: DENOTES COLUMN CONCRETE
CS: DENOTES COLUMN STEEL
CT: DENOTES COLUMN TIMBER
WP: DENOTES WIND POST
BC: DENOTES BEAM CONCRETE
BS: DENOTES BEAM STEEL
PB: DENOTES POST TENSIONED CONCRETE BEAM
PG: DENOTES PLATE GIRDER
FB: DENOTES FABSEC BEAM
WB: DENOTES WESTOK BEAM
TR: DENOTES TRUSS
W: DENOTES WALL
S: DENOTES SLAB
PT: DENOTES POST TENSIONED SLAB
MD: DENOTES METAL DECKED SLAB
RS: DENOTES ROOF SHEET
PP: DENOTES PRECAST PLATE (OMNIDECK, ETC)
MS: DENOTES MILD STEEL FLOOR PLATE
MJ: DENOTES MOVEMENT JOINT
BR: DENOTES BRACE
BP: DENOTES BASEPLATE
J: DENOTES JOIST
R: DENOTES RAFTER
L: DENOTES LINTEL
ST: DENOTES STAIR
ND: DENOTES NODE

STRUCTURE SUFFIXES:

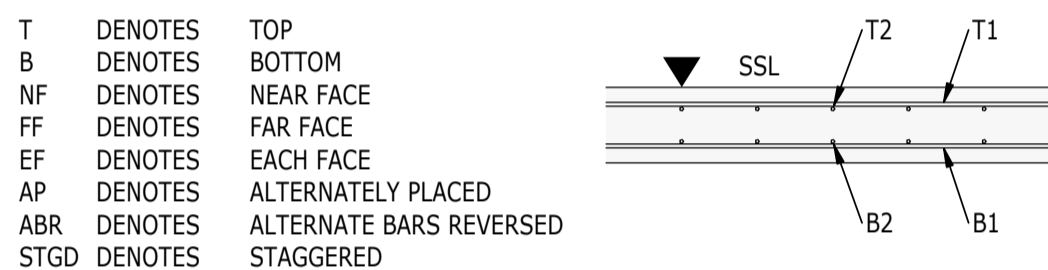
C: DENOTES CAMBERED
SS: DENOTES SHEAR STUDS
PC: DENOTES PRECAST CONCRETE ELEMENT
G: DENOTES GALVANISED
P: DENOTES PAINTED

STRUCTURE PREFIXES (AMERICAN CODE):

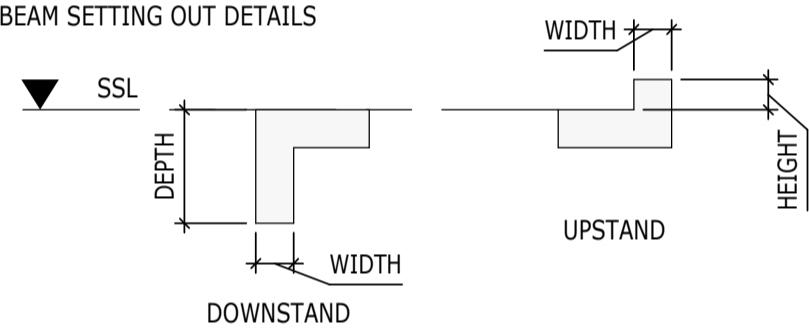
LB: DENOTES LINK BEAM
SW: DENOTES SHEAR WALL
WS: DENOTES WALL SEGMENT

CONCRETE NOTES

- FOR DETAILS OF CONCRETE MIXES, REFER TO RAMBOLL SPECIFICATION.
 - NO CHASING OF CONCRETE WILL BE PERMITTED.
 - CONTRACTOR TO ALLOW FOR CO-ORDINATION OF BUILDERS WORK REQUIREMENTS FOR SERVICES SO THAT HOLES SLEEVES ETC. CAN BE CAST INTO ALL NEW CONCRETE WORK.
 - NO POST-DRILLING OF CONCRETE FOR SERVICE HOLES GREATER THAN 200mm WILL BE PERMITTED.
 - BEFORE CONCRETING THE CONTRACTOR SHALL SUBMIT A LAYOUT SHOWING THE LOCATION OF ALL PROPOSED CONSTRUCTION JOINTS. THE SPACING AND SEQUENCE OF POURS SHALL NOT EXCEED THOSE GIVEN IN THE SPECIFICATION.
 - FOR WATERTIGHT CONSTRUCTION, WATER BARS ARE TO BE PROVIDED IN ALL CONSTRUCTION JOINTS IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
 - ALL COVERS TO BE IN ACCORDANCE WITH BS EN 1992-1-1.
 - NOMINAL COVER TO ALL REINFORCEMENT SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWINGS:
- | | | |
|----------------|-----------------|------------------------------|
| FOUNDATIONS | UNFORMED | = 75mm |
| | INTERNAL FORMED | = 40mm |
| | EXTERNAL FORMED | = 50mm (NON WATER RESISTING) |
| | EXTERNAL | = 40mm (WATER RESISTING) |
| SUPERSTRUCTURE | FORMED INTERNAL | = 25mm |
| | FORMED EXTERNAL | = 40mm |
- ALL LAPS TO REINFORCEMENT TO BE IN ACCORDANCE WITH RELEVANT SPECIFICATION AND DESIGN CODE.
 - REINFORCEMENT GRADES TO BE:
TYPE H - TYPE 2 DEFORMED BARS, GRADE 500 TO BS4449 REINFORCEMENT.
 - RC DETAILING ABBREVIATIONS USED:



RC BEAM SETTING OUT DETAILS



- FOR DETAILS OF CONCRETE MIXES, REFER TO RAMBOLL SPECIFICATION.

RC BASEMENT RAFT SLAB AND WALLS = DESIGNATED MIX 01. SPECIAL MIX TO SUIT ADMIXTURE.

MASS CONCRETE UNDERPINNING = TBC (FOLLOWING SI).

RC SLABS ON PERMANENT METAL DECK = DESIGNATED MIX RC 25/30.

POUR SEQUENCE OF RC BASEMENT SLAB AND WALLS TBC TO CONTROL SHRINKAGE CRACKING.

CONCRETE FINISHES

- CONCRETE FORMED FINISHES TO BE AS BELOW:

i) BASEMENT RC SLABS AND WALLS: ORDINARY FINISH
ii) PRECAST STAIRS: TO ARCHITECTS SPECIFICATION

PRECAST STAIRS

- ALL STAIR FLIGHTS SHOWN ON RAMBOLL DRAWINGS ARE TO BE PRECAST CONCRETE UNLESS NOTED OTHERWISE.
- ALL P.C. STAIRS ARE TO BE SUB-CONTRACTOR DESIGNED IN ACCORDANCE WITH SPECIFICATION CLAUSE E60/210.
- STAIRS ARE TO BE DESIGNED FOR A IMPOSED LOAD OF 4.0 kN/m².
- SETTING OUT OF TREADS, SHADOW GAPS AND OTHER ARCHITECTURAL FEATURES SHOULD BE TAKEN FROM THE ARCHITECTS DRAWINGS.
- ALL PRECAST STAIRS ARE TO HAVE ROBUSTNESS FIXING SUITABLE FOR THE BUILDING CLASS, DESIGNED BY THE PRECAST STAIR SUPPLIER.

STEELWORK NOTES

THESE NOTES ARE TO BE READ IN CONJUNCTION WITH THE STRUCTURAL SPECIFICATION FOR STEELWORK AND THE RELEVANT BRITISH STANDARDS.

- GENERALLY

VERTICAL CROSS BRACING DENOTED THUS BRACED BAY TO BE LOCATED CENTRALLY TO ALL BEAM AND COLUMN CENTRELINES U.N.O.

STEEL BEAM LINES SHOWN ON PLAN ARE AT THE CENTRE OF THE SECTION OR THE BACK EDGE OF CHANNELS U.N.O.

ALL BASEPLATES TO HAVE MINIMUM 4 No. HOLDING DOWN BOLTS.

- MEMBER SIZES

SIZE OF MEMBERS ARE SCHEDULED ON THE DRAWINGS.

TOP OF COLUMN IS AS TOS UNLESS NOTED OTHERWISE.

- STEEL GRADES (BS EN 10025 AND BS EN 1993).

GRADES OF STEELWORK/BOLTS ARE TO BE AS FOLLOWS (UNLESS NOTED OTHERWISE ON THE DRAWINGS)

ALL STEELWORK

ALL INTERNAL STEELWORK: S355JR OR S355J0H
ALL EXTERNAL STEELWORK: S355JO OR S355J0H

ALL BOLTS

GRADE 8.8 UNLESS NOTED OTHERWISE

ALL STAINLESS STEEL

GRADE 1.4401 (316) UNLESS NOTED OTHERWISE

- CORROSION PROTECTION

CORROSION PROTECTION OF STEELWORK IS TO BE IN ACCORDANCE WITH THE RAMBOLL STEELWORK SPECIFICATION. CLAUSE G10 AND M61. COLOUR TO ARCHITECTS SPECIFICATION

- FIRE PROTECTION

FIRE PROTECTION REQUIREMENTS TO BE IN ACCORDANCE WITH THE FIRE ENGINEERS REPORT AND ARCHITECTS SPECIFICATION. FOR COSTING PURPOSES ALLOW FOR INTUMESCENT COATING TO ALL STEELWORK.

- PAINTING

PAINT TO ALL NEW STEELWORK TO BE IN ACCORDANCE WITH THE SPECIFICATION, WITH THE EXCEPTION OF THE TOP FLANGE OF COMPOSITE BEAMS WHICH ARE TO BE LEFT UNPAINTED.

PAINTED OR GALVANIZED AREAS DAMAGED DURING TRANSIT OR CONSTRUCTION SHALL BE MADE GOOD IN ACCORDANCE WITH THE SPECIFICATION.

- HOLES

NO HOLES ARE TO BE FORMED THROUGH STEEL BEAMS OR COLUMNS OTHER THAN THOSE SHOWN ON THE ENGINEER'S DRAWINGS WITHOUT PRIOR APPROVAL OF THE ARCHITECTS/ENGINEERS.

- COLUMN SPLICES

COLUMN SPLICES GENERALLY 1000mm ABOVE TOS LEVEL TYPICAL U.N.O.

- MISCELLANEOUS

ALL END PLATES/CAPPING PLATES ARE TO BE PROFILED TO SHAPE OF SECTION U.N.O.

ALL END PLATES/CAPPING PLATES ARE TO BE LAMINAR FREE.

- DIMENSIONS ARE GIVEN TO THE FOLLOWING POINTS FOR VARIOUS SECTIONS:

UB CENTRELINE
uc CENTRELINE
RSJ CENTRELINE
TEE CENTRELINE
RHS CENTRELINE
SHS CENTRELINE
CHS CENTRELINE
PFC BACK FACE OF WEB
RSA BACK OF VERTICAL LEG

COMPOSITE SLAB NOTES

- THESE NOTES ARE TO BE READ IN CONJUNCTION WITH THE RAMBOLL STEELWORK SPECIFICATION

2. DESIGN OF METAL DECKING, EDGE TRIMS AND ASSOCIATED FITTINGS BY THE CONTRACTOR.

3. LAYOUT AND FIXING OF DECKING AND EDGE TRIMS TO BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

4. DECKING LAYOUT TO BE ARRANGED TO ACHIEVE SHEAR STUD CENTRES INDICATED ON DRAWINGS.

5. ALL METAL DECKING IS TO SPAN 2 BAYS MINIMUM BETWEEN SUPPORTING BEAMS WHEREVER POSSIBLE.

6. JUNCTION BETWEEN SHEETS ARE TO BE FORMED TO AVOID GROUND LOSS.

7. METAL DECKING TO EXTEND OVER THE FLOOR AREAS WITH EDGE DIMENSIONS AS NOTED ON DRAWINGS. METAL DECKING TO HAVE 50MM MINIMUM END BEARING ON STEEL BEAMS, DECKING TO BE CONTINUOUS OVER BEAM OF FLANGE WIDTH LESS THAN 140MM.

8. METAL DECKING MUST BE PROVIDED WITH ADEQUATE FIXINGS TO TOP FLANGES OF SUPPORTING BEAMS TO RESTRAIN THE BEAMS DURING ERECTION, PRIOR TO AND DURING THE CONCRETE SLAB BEING POURED.

9. ALL SHEAR STUDS TO BE 19mm DIAMETER X 105mm LONG (95mm AFTER WELDING) U.N.O. CHARACTERISTIC YIELD STRENGTH = 350N/mm² AND MINIMUM ULTIMATE TENSILE STRENGTH = 450 N/mm². ALL STUDS TO BE THROUGH DECK WELDED.

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NOTES

- DO NOT SCALE FROM THIS DRAWING.
- ALL DIMENSIONS ARE IN MILLIMETRES U.N.O.
- ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM U.N.O.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.

P02	PLANNING & LBC ISSUE	16/12	JC	PM
		2022	AC	
P01	PRELIMINARY DRAFT ISSUE	02/12	JC	PM
		2022	AC	

Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
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GENERAL NOTES
SHEET 1

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	N/A	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-XX-DR-S-00010	P02		

STRUCTURAL FIXINGS

1. ANCHOR BOLTS SHALL BE AS SPECIFIED ON THE DRAWINGS. NO SUBSTITUTIONS ARE TO BE MADE WITHOUT THE PRIOR CONSENT OF RAMBOLL.

2. ONLY ANCHORS WITH AN ETA (EUROPEAN TECHNICAL ASSESSMENT) FOR THE GIVEN APPLICATION SHALL BE USED.

3. PRIOR TO COMMENCEMENT, THE CONTRACTOR IS TO SUBMIT PROPOSALS FOR THE INSTALLATION OF ANCHORS IN ACCORDANCE WITH SECTION 7 OF BS8539:2012.

4. THE INSTALLATION OF ALL ANCHORS IS TO BE SUPERVISED AND ALL ANCHORS ARE TO BE INSPECTED AND CERTIFIED TO CONFIRM THEY HAVE BEEN CORRECTLY INSTALLED IN ACCORDANCE WITH THE SPECIFICATION AND ARE IN A CONDITION TO BE LOADED. CONSTRUCTION FIXINGS ASSOCIATION FORM 8539/03 IS TO BE COMPLETED BY THE CONTRACTOR'S SUPERVISOR AND SUBMITTED TO THE CA AND RAMBOLL FOR EACH UNIQUE GROUP OF CONNECTION DESIGNS/SPECIFICATIONS WITHIN THE PROJECT.

5. INSTALLERS AND SUPERVISORS MUST BE SUITABLY TRAINED AND QUALIFIED BY KNOWLEDGE AND PRACTICAL EXPERIENCE. THEY MUST BE IN POSSESSION OF THE NECESSARY ANCHOR INSTALLATION INSTRUCTIONS TO ENABLE THE REQUIRED TASKS TO BE CARRIED OUT CORRECTLY.

6. ALL PROPOSED FIXING LOCATIONS INTO CONCRETE ARE TO BE FERROSCANNED TO DETERMINE REINFORCEMENT LINES. WHERE CLASHES WITH REINFORCEMENT ARISE, REFER TO THE ENGINEER AND/OR CONNECTION DESIGNER FOR CONFIRMATION AS TO HOW THE CONNECTION SHOULD BE AMENDED. DRILLING OF REINFORCEMENT IS NOT PERMITTED WITHOUT PRIOR WRITTEN CONSENT OF RAMBOLL. PERCUSSIVE DRILLING IS TO BE USED ONLY (NO DIAMOND DRILLING).

7. INSTALLATION SHALL STRICTLY BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. IN PARTICULAR HOLES SHALL BE CLEAN AND DRY BEFORE INSTALLATION OF ANY RESINS.

8. RESIN BOLTS ARE NOT TO BE LOADED UNTIL THE RESIN HAS CURED AND REACHED FULL DESIGN STRENGTH.

9. WHERE BOLTS ARE TO BE TORQUED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS THIS SHALL BE CARRIED OUT USING A CALIBRATED TORQUE WRENCH.

10. 5% OF ANCHORS INSTALLED ARE TO BE PROOF TESTED IN ACCORDANCE WITH THE CONSTRUCTION FIXINGS ASSOCIATION GUIDANCE NOTE 'PROCEDURE FOR SITE TESTING CONSTRUCTION FIXINGS' AND BS 8539. THE FACTOR ON CHARACTERISTIC LOAD SHOULD BE 1.25.

11. FOR RESIN FIXINGS, THE VOID BETWEEN THE PLATE HOLE AND FIXING IS TO BE FILLED WITH THE SAME RESIN AS FIXING TO ENSURE AN EVEN DISTRIBUTION OF SHEAR LOADING BETWEEN BOLTS IN A CONNECTION.

MASONRY

1. THESE NOTES ARE TO BE READ IN CONJUNCTION WITH THE ARCHITECT'S MASONRY SPECIFICATION.

2. THESE NOTES RELATE TO STRUCTURAL MASONRY AS USED IN THE PRIMARY STRUCTURE. FOR NON-STRUCTURAL MASONRY E.G. NON-LOAD BEARING BLOCKWORK, REFER TO THE ARCHITECT'S DETAILS.

3. QUALITY OF FACING MASONRY TO BE IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATION.

4. ALL WALLS SHOWN ON RAMBOLL DRAWINGS ARE TO BE CONSIDERED AS LOADBEARING UNLESS NOTED OTHERWISE.

5. UNLESS NOTED OTHERWISE, THE CONSTRUCTION AND DETAILING OF MASONRY IS TO BE IN ACCORDANCE WITH BS EN 1996-1-1, BS EN 1996-2, THEIR UK NATIONAL ANNEXES AND PD6697.

6. MASONRY TO BE CONSTRUCTED IN 1.5M LIFTS MAXIMUM PER DAY. NO PORTION OF THE WORKS SHALL BE RAISED MORE THAN 1.2M ABOVE ANOTHER AT ANY TIME AND NO MORE THAN 0.45M FOR CAVITY WALLS.

7. ALL MASONRY WALLS TO BE CONSTRUCTED IN TANDEM WITH EACH ABUTTING CROSSWALL TO ACT AS A WIND RESTRAINT BUTTRESS AND TO BE FULLY BONDED. IF ABUTTING WALLS ARE NOT CONSTRUCTED IN TANDEM, TEMPORARY WORKS MUST BE INSTALLED TO RESTRAIN THE WALLS IN BOTH PERPENDICULAR DIRECTIONS.

8. SUITABLY ROBUST TEMPORARY SHORING SHOULD BE ERECTED AT 2.5m CENTRES TO RESTRAIN ALL WALLING IN BOTH PERPENDICULAR DIRECTIONS WHERE RESTRAINING RETURN BUTTRESS WALLS ARE GREATER THAN 40 x WALL THICKNESS OR 5m APART.

9. ALL MASONRY WALLS CONSTRUCTED BETWEEN DOORS OR LARGE WINDOWS, AND WITH NO RETURN WALLS, MUST BE RESTRAINED BY SUITABLE TEMPORARY WORKS.

10. CAVITY WALL TIES TO BE SET HORIZONTALLY OR WITH A MARGINAL SLOPE OUTWARD WITH INSULATION CLIPS TO ARCHITECT'S SPECIFICATION.

11. UNLESS NOTED OTHERWISE FOR CAVITY WALLS, PROVIDE 2.5 TIES MINIMUM PER M² OF MASONRY WITH MAXIMUM HORIZONTAL SPACING OF 900mm AND THE MAXIMUM VERTICAL SPACING OF 450mm.

12. ALL VERTICAL EDGES IN CAVITY WALLS (E.G. AT WINDOWS, DOORS, ROOF VERGES AND MOVEMENT JOINTS) ARE TO BE TIED AT 225mm CENTRES WITH TIES AT A MAXIMUM DISTANCE OF 225mm FROM THE MASONRY EDGE.

13. THE TOP AND BOTTOM OF OPENINGS IN CAVITY WALLS ARE TO BE TIED AT 450mm MAXIMUM CENTRES.

14. ALL TIES AND RESTRAINTS WITHIN EXTERNAL WALLS OR CAVITY WALLS ARE TO BE STAINLESS STEEL.

15. THE MINIMUM EMBEDMENT OF A WALL TIE INTO THE MORTAR JOINT SHOULD NOT BE LESS THAN 50MM IN EACH LEAF. THE LENGTH OF WALL TIES SHOULD ACHIEVE A DESIGN EMBEDMENT OF BETWEEN 62.5mm AND 75mm IN EACH LEAF TO ALLOW FOR NORMAL SITE TOLERANCES FOR CAVITY WIDTH AND CENTRING OF THE TIE.

16. MAXIMUM JOINT SPACING TO BE AS FOLLOWS UNLESS NOTED OTHERWISE:

CLAY BRICKWORK (UNREINFORCED)	= 10m
CONCRETE BLOCKWORK (UNREINFORCED)	= 6m

DISTANCE BETWEEN WALL RETURNS AND ANGLES SHOULD BE HALF OF THE ABOVE DIMENSIONS.

THE LOCATION OF MOVEMENT JOINTS MUST BE AT COLUMNS, WIND POSTS OR BUTTRESSING WALLS UNLESS OTHERWISE AGREED WITH THE ENGINEER IN WRITING.

17. WHERE APPLICABLE BED JOINT REINFORCEMENT TO BE STAINLESS STEEL IN ACCORDANCE WITH BS EN 845-3 AND POSITIONED AS SHOWN ON DRAWINGS. 20mm MINIMUM COVER TO BE PROVIDED TO EXTERNAL FACE OF MASONRY. LAPS TO BE 225mm MINIMUM WITH AT LEAST ONE CROSS WIRE. REINFORCEMENT LENGTHS ARE TO BE POSITIONED SIDE BY SIDE AT LAPS. LAP LOCATIONS ARE TO BE STAGGERED THROUGHOUT THE MASONRY PANEL.

18. FOR DETAILS OF NON-STRUCTURAL MASONRY AND ASSOCIATED MOVEMENT JOINTS, WIND POSTS, HEAD RESTRAINTS, AND LINTELS, REFER TO ARCHITECT'S DETAILS AND SPECIFICATION.

19. THE CONTRACTOR IS TO ENSURE THAT ALL LIFTING OF MASONRY AND ASSOCIATED SUNDRY ITEMS COMPLIES WITH THE RELEVANT REGULATIONS, GUIDANCE AND HEALTH AND SAFETY AT WORK ACTS.

TIMBER

1. TIMBER TO BE IN ACCORDANCE WITH BS EN 1995.

2. TIMBER TO BE C24 STRENGTH CLASS IN ACCORDANCE WITH BS EN 338 UNLESS NOTED OTHERWISE.

3. ALL TIMBER COMPONENTS SHALL BE SUPPLIED WITH AN APPROVED PRESERVATIVE TREATMENT WHICH IS NOT AGGRESSIVE TO THE FIXING COMPONENTS.

4. FOR FIRE PROTECTION TO STRUCTURAL TIMBER REFER TO ARCHITECT'S DETAILS.

5. ALL TIMBER FIXINGS, HANGERS, PLATES AND TIES TO BE GALVANIZED AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS UNO ON THE DRAWINGS.

6. THE MOISTURE CONTENT OF THE TIMBER SHALL BE CONTROLLED AT ALL STAGES OF FABRICATION AND ERECTION TO ENSURE IT IS LESS THAN 18%.

7. ALL TIMBER CONNECTIONS ARE TO BE DESIGNED BY THE CONTRACTOR FOR BOTH TEMPORARY AND PERMANENT CONDITIONS.

8. DETAILS AND CALCULATIONS RELATING TO THE TIMBER CONNECTIONS SHALL BE SUBMITTED TO THE CA AND RAMBOLL FOR REVIEW AND COMMENT PRIOR TO DETAILING AND INSTALLATION.

9. ALL JOISTS SUPPORTED BY STEELWORK ARE TO HAVE A MINIMUM BEARING LENGTH = 75mm UNO.

10. NOGGINS SHALL BE OF SOLID TIMBER OF THE SAME SECTION SIZE AS THE TIMBER JOISTS. FOR SPANS OF BETWEEN 2.5m AND 4.5m ONE NOGGIN SHALL BE PROVIDED AT THE MID-SPAN POSITION. FOR SPANS MORE THAN 4.5m TWO NOGGINS ARE TO BE PROVIDED, POSITIONED AT ONE THIRD AND TWO THIRD SPAN POSITIONS. NOGGINS ARE TO BE PROVIDED AT THE ENDS OF SPANS SUPPORTED BY STEELWORK.

11. FLOOR DECKING SHALL BE 24mm THICK FINNISH BIRCH STRUCTURAL PLYWOOD (17 PLYS) WITH TONGUE AND GROOVE JOINTS IN ACCORDANCE WITH BS EN 1995, SERVICE CLASS 1 UNO.

12. FLOOR DECKING SHALL BE FIXED TO THE JOISTS BY GLUING AND SCREWING USING NO. 6 WOOD SCREWS (3.45mm SHANK X 57mm LONG) GALVANIZED OR SHERARDIZED SPACED AT 150MM CENTRES ALONG BOARD PERIMETERS AND 300mm CENTRES TO INTERMEDIATE SUPPORT JOISTS UNLESS NOTED OTHERWISE. ALL JOINTS SHALL BE BACKED BY JOISTS OR SOLID TIMBER NOGGINS OF 75mm MINIMUM WIDTH.

13. ALL SCREW LOCATIONS ARE TO BE PRE-DRILLED PRIOR TO INSTALLING SCREWS. THE HOLES SHOULD BE DRILLED WITH A DIAMETER EQUAL TO THAT OF THE SCREW SHANK FOR THAT PART OF THE HOLE TO CONTAIN THE SHANK, REDUCING TO A PILOT HOLE OF HALF THE DIAMETER OF THE SCREW SHANK FOR THE THREADED PORTION OF THE SCREW.

14. WOOD GLUE TO BE UREA FORMALDEHYDE (UF) AMINOPLASTIC THERMOSET RESIN.

15. TONGUE AND GLUED JOINTS SHALL BE GLUED AND CLAMPED BEFORE SCREWING DOWN. ALL FIXINGS SHALL BE DRIVEN DOWN BELOW THE SURFACE OF THE PLYWOOD.

16. TIMBER SPECIES USED IN THE EXISTING BUILDING IS TO BE TO THE ARCHITECT'S SPECIFICATION (TO SUIT CONSERVATION REQUIREMENTS).

UNDERPINNING

1. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE UNDERPINNING WORKS DO NOT IMPAIR THE STABILITY OR CONDITION OF THE EXISTING STRUCTURE. DESIGN OF THE UNDERPINNING AND ANY ASSOCIATED TEMPORARY WORKS IS THE RESPONSIBILITY OF THE CONTRACTOR.

2. THE CONTRACTOR IS TO INSPECT, MONITOR AND RECORD THE CONDITION OF THE STRUCTURE BEFORE, DURING AND ON COMPLETION OF THE WORKS.

3. THE CONTRACTOR IS TO SUBMIT DETAILS OF ALL MATERIALS AND AN UNDERPINNING SEQUENCE FOR REVIEW BY THE CA AND RAMBOLL PRIOR TO UNDERTAKING THE WORK.

4. UNDERPINNING IS TO BE CARRIED OUT IN A HIT AND MISS SEQUENCE IN SHORT SECTIONS NOT EXCEEDING 1.0m IN LENGTH WITH A MINIMUM SEPARATION DISTANCE OF 3m BETWEEN EACH CONCURRENT SECTION. ADEQUATE VERTICAL SUPPORT IS TO BE MAINTAINED OVER AT LEAST 75% OF THE WALL LENGTH AT EVERY STAGE OF CONSTRUCTION.

5. THE SOFFIT OF THE EXISTING FOOTINGS IS TO BE CLEANED AND FREE OF ANY DIRT, SPOIL OR LOOSE MATERIAL PRIOR TO UNDERPINNING.

6. EACH SECTION OF UNDERPINNING IS TO BE CONSTRUCTED IN MASS CONCRETE WITH A SHUTTERED INTERNAL FACE IN ACCORDANCE WITH THE RAMBOLL STRUCTURAL CONCRETE SPECIFICATION AND RELEVANT STRUCTURAL DRAWINGS. EXCAVATION AND CONCRETING OF EACH SECTION OF UNDERPINNING IS TO BE UNDERTAKEN ON THE SAME DAY.

7. EACH SECTION OF UNDERPINNING IS TO BE POURED TO A LEVEL OF 75mm BELOW THE UNDERSIDE OF THE EXISTING FOOTING. AFTER THE UNDERPINNING CONCRETE HAS REACHED SUITABLE STRENGTH, THE 75mm GAP IS TO BE FILLED WITH HIGH STRENGTH NON-SHRINK DRY PACK WELL RAMMED INTO POSITION OVER THE FULL DESIRED CONTACT AREA.

8. LATERAL PROPPING IS TO BE INSTALLED AS REQUIRED TO MAINTAIN STABILITY OF THE UNDERPINNING UNTIL ADEQUATE SUPPORT IS PROVIDED BY THE PERMANENT WORKS.

9. EXCAVATION OF ADJACENT SECTIONS OF UNDERPINNING SHALL NOT COMMENCE UNTIL UNDERPINNING CONCRETE AND DRY PACK HAVE REACHED REQUIRED DESIGN STRENGTH, WITH A MINIMUM PERIOD OF 48 HOURS BETWEEN COMPLETION OF ONE SECTION AND COMMENCEMENT OF THE ADJACENT SECTION.

10. THE CONTRACTOR IS TO MAINTAIN AND SUBMIT RECORDS OF THE SEQUENCE AND DIMENSIONS OF UNDERPINNING AS CONSTRUCTED, INCLUDING THE DATES OF STARTING EXCAVATION, CASTING CONCRETE AND PINNING UP OF EACH SECTION.

NOTES FOR TENDERERS

1. THE CIVIL AND STRUCTURAL DESIGN IS AT RIBA STAGE 3. THE CONTRACTOR SHOULD ALLOW A SUITABLE COST CONTINGENCY FOR DESIGN DEVELOPMENT AND TECHNICAL CHECKS WHICH WILL TAKE PLACE THROUGH RIBA STAGE 4 AND BEYOND.

2. ALL STRUCTURAL INFORMATION IS CURRENTLY PRELIMINARY AND SUBJECT TO DESIGN DEVELOPMENT DURING RIBA STAGE 4 AS FULL AND FINAL STRUCTURAL DESIGN CALCULATIONS AND DETAILS ARE DEVELOPED.

REINFORCEMENT ESTIMATE

1. THE FOLLOWING INFORMATION HAS BEEN PROVIDED TO ASSIST THE QUANTITY SURVEYOR TO PREPARE THE COST PLAN. THIS INFORMATION IS PROVISIONAL AND SUBJECT TO REVIEW AND AMENDMENT AS THE DESIGN IS DEVELOPED. A SUITABLE CONTINGENCY IS TO BE INCLUDED BASED ON THE STAGE OF DESIGN DEVELOPMENT.

ELEMENT	REINFORCEMENT ESTIMATE
BASEMENT RC SLAB, THICKENINGS, WALLS & PIERS	300kg/m ³
RC SLABS ON PERMANENT METAL DECKING & ASSOCIATED PLINTHS	120kg/m ³

2. ANY ADDITIONAL REINFORCEMENT REQUIRED FOR TEMPORARY STABILITY OR SUPPORT OF THE REINFORCEMENT E.G. CHAIRS OR ADDITIONAL REINFORCEMENT FOR PREFABRICATED CAGES ETC, HAS NOT BEEN INCLUDED.

3. THE CONTRACTOR SHOULD MAKE AN ALLOWANCE FOR SITE STOCK FOR ADJUSTMENTS ON SITE.

CONTRACTOR DESIGN PORTIONS ELEMENTS

1. IT IS CURRENTLY UNDERSTOOD THAT THE PROJECT WILL BE TENDERED ON A DESIGN AND BUILD BASIS AT THE END OF RIBA STAGE 3. ON THAT BASIS ALL STRUCTURAL ENGINEERING DESIGN RESPONSIBILITY, INCLUDING THE PREPARATION OF FINAL CALCULATIONS FOR BUILDING CONTROL APPROVAL WILL BE THE RESPONSIBILITY OF THE PRINCIPAL CONTRACTOR AND THEIR APPOINTED STRUCTURAL ENGINEER. ALL ELEMENTS OF CONTRACTOR DESIGN ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT VERSIONS OF DESIGN CODES (INCLUDING THE RELEVANT NATIONAL ANNEX IN THE CASE OF EUROCODES), PUBLISHED INDUSTRY GUIDANCE AND PERFORMANCE INFORMATION ISSUED BY THE DESIGN TEAM.

2. POST TENDER IT IS ENVISAGED THAT SOME ELEMENTS OF THE DESIGN WILL BE COMPLETED BY SPECIALIST SUB-CONTRACTORS, RATHER THAN THE PRINCIPAL CONTRACTOR'S STRUCTURAL ENGINEER. THE PACKAGED WHICH WE CURRENTLY ENVISAGE WOULD REMAIN AS SPECIALIST SUB-CONTRACTOR DESIGN PORTIONS ARE SET OUT IN THE TABLE BELOW.

3. STRUCTURAL STEELWORK DESIGN FOR BOTH STEEL SECTIONS AND CONNECTIONS (INCLUDING STEEL TO CONCRETE CONNECTIONS, CAST IN PLATES, HOLDING DOWN BOLTS ETC.)

4. TIMBER CONNECTIONS.

5. METAL DECKING IN TEMPORARY AND PERMANENT CONDITIONS, INCLUDING EDGE TRIMS AND FITTINGS.

6. REINFORCEMENT DRAWINGS AND BAR BENDING SCHEDULES FOR ALL CONCRETE BASED ON THE STRUCTURAL ENGINEER'S DESIGN INTENT DRAWINGS

7. CLADDING AND FAÇADE ELEMENTS INCLUDING SUPPORT FRAMING AND CONNECTIONS TO THE STRUCTURAL FRAME. THE CLADDING CONTRACTOR MUST PROVIDE CONNECTION LOADINGS TO THE STRUCTURAL ENGINEER TO ENSURE THE FRAME HAS SUFFICIENT CAPACITY AND TO ALLOW RAMBOLL TO ASSESS THE IMPACT ON THE PERMANENT DESIGN.

8. LIGHT GAUGE (COLD ROLLED) STEEL FRAMED WALL SYSTEMS.

9. INTERNAL NON LOADBEARING WALLS, INCLUDING LIGHT WEIGHT STEEL FRAMING, MASONRY OR TIMBER FRAMING INCLUDING ALL LINTELS, HEAD RESTRAINTS AND TIES.

10. MASONRY SUPPORT SYSTEMS AND FIXING BRACKETS

11. MASONRY LINTELS, WIND POSTS AND HEAD RESTRAINTS

12. PRECAST CONCRETE ELEMENTS INCLUDING STAIRS AND THEIR FIXINGS TO THE STEELWORK STRUCTURE.

13. ARCHITECTURAL METALWORK AND GLASSWORK INCLUDING FLOORING, WALKWAYS, BALCONIES, LADDERS, HANDRAILS AND BALUSTRADES.

14. ATRIUM FEATURE ROOF AND IT'S FIXINGS TO THE PRIMARY STRUCTURE.

15. VEHICLE BARRIERS AND BOLLARDS.

16. PASSENGER AND VEHICLE LIFT SHAFT STEELWORK INCLUDING FRAMING, GUIDES AND LIFTING BEAMS AND LIFTING EYES

17. SECONDARY SUPPORT TO BUILDING SERVICES INSTALLATIONS INCLUDING LOUVRES, PLANT SUPPORT FRAMES, PLANT SUPPORT SYSTEMS.

18. FLOORING AND LOCAL SUPPORT STRUCTURE WITHIN RISERS.

19. PROPRIETARY THERMAL BREAKS.

20. FALSE FLOOR AND HUNG CEILING SYSTEMS.

21. CLEANING, MAINTENANCE AND ACCESS EQUIPMENT, INCLUDING RAIL SYSTEMS, SUPPORTING FRAMES TO RAIL SYSTEMS, MAN-SAFE SYSTEMS AND ABSEILING SYSTEMS.

22. ALL TEMPORARY WORKS DESIGN INCLUDING CRANE FOUNDATION, FAÇADE RETENTION AND PROPPING DETAILS, TEMPORARY VEHICLE PROTECTION BARRIERS, PROPPING TO EXISTING FLOORS AND MASONRY WALLS.

23. COMPLETING MEASURED SURVEYS AS REQUIRED.

24. SPECIALIST TIMBER SURVEYS WHERE REQUIRED.

25. THE SPECIFICATION AND DESIGN OF ANY GROUND OR STRUCTURAL MONITORING FOR MOVEMENTS OR VIBRATION DURING THE WORKS.

26. DETAILED DESIGN OF GROUND GAS PROTECTION SYSTEMS (WHERE REQUIRED).

27. DETAILED DESIGN OF WATERPROOFING AND DRAINED CAVITY SYSTEMS, INCLUDING PUMPS.

28. STEEL STAIRS, INCLUDING ASSOCIATED LANDINGS AND HALF LANDINGS.

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NOTES

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2. ALL DIMENSIONS ARE IN MILLIMETRES U.N.O.

3. ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM U.N.O.

4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.

P02	PLANNING & LBC ISSUE	16/12 2022	JC AC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12 2022	JC AC	PM
Rev	Description	Date	By Chk	App

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL HUDDERSFIELD



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GENERAL NOTES SHEET 2

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	N/A	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-XX-DR-S-00011	P02		

UNIVERSAL BEAM (UB)															
MARK	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q
UB127	UB 127x76x13														
UB152	UB 152x89x16														
UB178	UB 178x102x19														
UB203	UB 203x102x23	UB 203x133x25	UB 203x133x30												
UB254	UB 254x102x22	UB 254x102x25	UB 254x102x28	UB 254x146x31	UB 254x146x37	UB 254x146x43									
UB305	UB 305x102x25	UB 305x102x28	UB 305x102x33	UB 305x127x37	UB 305x127x42	UB 305x127x48	UB 305x165x40	UB 305x165x46	UB 305x165x54						
UB356	UB 356x127x33	UB 356x127x39	UB 356x171x45	UB 356x171x51	UB 356x171x57	UB 356x171x67									
UB406	UB 406x140x39	UB 406x140x46	<i>UB 406x140x53</i>	UB 406x178x54	UB 406x178x60	UB 406x178x67	UB 406x178x74	<i>UB 406x178x85</i>							
UB457	UB 457x152x52	UB 457x152x60	UB 457x152x67	UB 457x152x74	UB 457x152x82	UB 457x191x67	UB 457x191x74	UB 457x191x82	UB 457x191x89	UB 457x191x98	<i>UB 457x191x106</i>	<i>UB 457x191x133</i>	<i>UB 457x191x161</i>		
UB533	<i>UB 533x165x66</i>	<i>UB 533x165x74</i>	<i>UB 533x165x85</i>	UB 533x210x82	UB 533x210x92	UB 533x210x101	UB 533x210x109	UB 533x210x122	<i>UB 533x210x138</i>	<i>UB 533x212x150</i>	<i>UB 533x312x182</i>	<i>UB 533x312x219</i>	<i>UB 533x312x272</i>		
UB610	<i>UB 610x178x82</i>	<i>UB 610x178x92</i>	<i>UB 610x178x100</i>	UB 610x229x101	UB 610x229x113	UB 610x229x125	UB 610x229x140	UB 610x305x149	UB 610x305x179	UB 610x305x238					
UB686	UB 686x254x125	UB 686x254x140	UB 686x254x152	UB 686x254x170											
UB726	UB 726x267x134	UB 726x267x147	UB 726x267x173	UB 726x267x197											
UB838	UB 838x292x176	UB 838x292x194	UB 838x292x226												
UB914	UB 914x305x201	UB 914x305x224	UB 914x305x238	UB 914x305x253	UB 914x305x271	UB 914x305x289	UB 914x305x313	UB 914x305x345	UB 914x305x381	UB 914x305x425	UB 914x305x474	UB 914x305x521	UB 914x305x576	UB 914x419x343	UB 914x419x388
UB1016	UB 1016x305x222	UB 1016x305x249	UB 1016x305x272	UB 1016x305x314	UB 1016x305x350	UB 1016x305x393	UB 1016x305x415	UB 1016x305x438	UB 1016x305x487	UB 1016x305x494	UB 1016x305x584				

NOTE: SECTIONS NOTED IN ITALICS ARE IN ADDITION TO THE RANGE OF BS EN 10365.

PARALLEL FLANGE CHANNEL (PFC)		
MARK	A	B
PFC100	PFC 100x50x10	
PFC125	PFC 125x65x15	
PFC150	PFC 150x75x18	PFC 150x90x24
PFC180	PFC 180x75x20	PFC 180x90x26
PFC200	PFC 200x75x23	PFC 200x90x30
PFC230	PFC 230x75x26	PFC 230x90x32
PFC260	PFC 260x75x28	PFC 260x90x35
PFC300	PFC 300x90x41	PFC 300x100x46
PFC380	PFC 380x100x54	
PFC430	PFC 430x100x64	

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NOTE:
ALLOW FOR SHEAR STUDS FOR COMPOSITE BEAM ACTION FOR ALL BEAMS THAT HAVE SLAB PASSING OVER THEM, UNLESS NOTED OTHERWISE ON SPECIFIC DRAWINGS.

UNIVERSAL COLUMN (UC)																					
MARK	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V	W
UC152	UC 152x152x23	UC 152x152x30	UC 152x152x37	<i>UC 152x152x44</i>	<i>UC 152x152x51</i>																
UC203	UC 203x203x46	UC 203x203x52	UC 203x203x60	UC 203x203x71	UC 203x203x86	<i>UC 203x203x100</i>	<i>UC 203x203x113</i>	<i>UC 203x203x127</i>													
UC254	UC 254x254x73	UC 254x254x89	UC 254x254x107	UC 254x254x132	UC 254x254x167																
UC305	UC 305x305x97	UC 305x305x118	UC 305x305x137	UC 305x305x158	UC 305x305x198	UC 305x305x240	UC 305x305x283														
UC356	UC 356x368x129	UC 356x368x153	UC 356x368x177	UC 356x369x202	UC 356x406x235	UC 356x406x287	UC 356x406x340	UC 356x406x393	UC 356x406x467	UC 356x406x509	UC 356x406x551	UC 356x406x592	UC 356x406x634	UC 356x3406x677	UC 356x406x744	UC 356x406x818	UC 356x406x900	UC 356x406x990	UC 356x406x1086	UC 356x406x1202	UC 356x406x1299

NOTE: SECTIONS NOTED IN ITALICS ARE IN ADDITION TO THE RANGE OF BS EN 10365.

EQUAL ANGLE (EA)				
MARK	A	B	C	D
EA20	EA 20x20x3			
EA25	EA 25x25x3	EA 25x25x4		
EA30	EA 30x30x3	EA 30x30x4		
EA35	EA 35x35x4			
EA40	EA 40x40x4	EA 40x40x5		
EA45	EA 45x45x5			
EA50	EA 50x50x4	EA 50x50x5	EA 50x50x6	
EA60	EA 60x60x5	EA 60x60x6	EA 60x60x8	
EA65	EA 65x65x7			
EA70	EA 70x70x6	EA 70x70x7		
EA75	EA 75x75x6	EA 75x75x8		
EA80	EA 80x80x8	EA 80x80x10		
EA90	EA 90x90x7	EA 90x90x8	EA 90x90x10	<i>EA 90x90x12</i>
EA100	EA 100x100x8	EA 100x100x10	EA 100x100x12	<i>EA 100x100x15</i>
EA120	<i>EA 120x120x8</i>	EA 120x120x10	EA 120x120x12	<i>EA 120x120x15</i>
EA150	EA 150x150x10	EA 150x150x12	EA 150x150x15	<i>EA 150x150x18</i>
EA200	EA 200x200x16	EA 200x200x18	EA 200x200x20	EA 200x200x24

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UNEQUAL ANGLE (UEA)								
MARK	A	B	C	D	E	F	G	H
UEA30	UEA 30x20x3	UEA 30x20x4						
UEA40	UEA 40x20x4	UEA 40x25x4						
UEA45	UEA 45x30x4							
UEA50	UEA 50x30x5							
UEA60	UEA 60x30x5	UEA 60x40x5	UEA 60x40x6					
UEA65	UEA 65x50x5							
UEA70	UEA 70x50x6							
UEA75	UEA 75x50x6	UEA 75x50x8						
UEA80	UEA 80x40x6	UEA 80x40x8	UEA 80x60x7					
UEA100	UEA 100x50x6	UEA 100x50x8	<i>UEA 100x65x7</i>	<i>UEA 100x65x8</i>	<i>UEA 100x65x10</i>	UEA 100x75x8	UEA 100x75x10	UEA 100x75x12
UEA125	UEA 125x75x8	UEA 125x75x10	UEA 125x75x12					
UEA150	UEA 150x75x10	UEA 150x75x12	UEA 150x75x15	UEA 150x90x10	UEA 150x90x12	UEA 150x90x15		
UEA200	UEA 200x100x10	UEA 200x100x12	UEA 200x100x15	UEA 200x150x12	UEA 200x150x15	<i>UEA 200x150x18</i>		

NOTE: SECTIONS NOTED IN ITALICS ARE IN ADDITION TO THE RANGE OF BS EN 10056-1.

ASYMMETRIC BEAMS (ASB)					
MARK	A	B	C	D	E
ASB280	280ASB74	280ASB100	280ASB105	280ASB124	280ASB136
ASB300	300ASB153	300ASB155	300ASB185	300ASB196	300ASB249

STRUCTURAL TEE FROM UNIVERSAL BEAM (UBT)								
MARK	A	B	C	D	E	F	G	H
UBT102	T 102x127x11	T 102x127x13	T 102x127x14	T 102x152x13	T 102x152x14	T 102x152x17		
UBT127	T 127x152x19	T 127x152x21	T 127x152x24	T 127x178x17	T 127x178x20			
UBT133	T 133x102x13	T 133x102x15						
UBT140	T 140x203x20	T 140x203x23	<i>T 140x203x27</i>					
UBT146	T 146x127x16	T 146x127x19	T 146x127x22					
UBT152	T 152x229x26	T 152x229x30	T 152x229x34	T 152x229x37	T 152x229x41			
UBT165	T 165x152x20	T 165x152x23	T 165x152x27	<i>T 165x267x33</i>	<i>T 165x267x37</i>	<i>T 165x267x43</i>		
UBT171	T 171x178x23	T 171x178x26	T 171x178x29	T 171x178x34				
UBT178	T 178x203x27	T 178x203x30	T 178x203x34	T 178x203x37	<i>T 178x203x43</i>	<i>T 178x305x41</i>	<i>T 178x305x46</i>	<i>T 178x305x50</i>
UBT191	T 191x229x34	T 191x229x37	T 191x229x41	T 191x229x45	T 191x229x49	<i>T 191x229x53</i>	<i>T 191x229x67</i>	<i>T 191x229x81</i>
UBT210	T 210x267x41	T 210x267x46	T 210x267x51	T 210x267x55	T 210x267x61	<i>T 210x267x69</i>		
UBT229	T 229x305x51	T 229x305x57	T 229x305x63	T 229x305x70				
UBT254	T 254x343x63	<i>T 254x343x70</i>	<i>T 254x343x76</i>	<i>T 254x343x85</i>				
UBT267	<i>T 267x381x67</i>	<i>T 267x381x74</i>	<i>T 267x381x87</i>	<i>T 267x381x99</i>				
UBT292	<i>T 292x419x88</i>	<i>T 292x419x97</i>	<i>T 292x419x113</i>					
UBT305	T 305x305x75	T 305x305x90	T 305x305x119	<i>T 305x457x101</i>	<i>T 305x457x112</i>	<i>T 305x457x127</i>		
UBT312	<i>T 312x267x75</i>	<i>T 312x267x91</i>	<i>T 312x267x110</i>	<i>T 312x267x136</i>				

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STRUCTURAL TEE FROM UNIVERSAL COLUMN (UCT)								
MARK	A	B	C	D	E	F	G	H
UCT152	T 152x76x12	T 152x76x15	T 152x76x19	<i>T 152x76x22</i>	<i>T 152x76x26</i>			
UCT203	T 203x102x23	T 203x102x26	T 203x102x30	T 203x102x36	T 203x102x43	<i>T 203x102x50</i>	<i>T 203x102x57</i>	<i>T 203x102x64</i>
UCT254	T 254x127x37	T 254x127x45	T 254x127x54	T 254x127x66	T 254x127x84			
UCT305	T 305x152x49	T 305x152x59	T 305x152x69	T 305x152x79				

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P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By Chk	App

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STEELWORK REFERENCE
SCHEDULE - SHEET 1

Project No:	1620014217	Scale (@ A1):	N/A	Date:	NOV'22	Drawn:	JC
Drawing No:	4217-RAM-ZZ-XX-DR-S-00015	Rev:					P02

RECTANGULAR HOLLOW SECTION (RHS) (HOT FINISHED)																		
MARK	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T
RHS50	RHS 50x30x2.9	RHS 50x30x3.2	RHS 50x30x4.0	RHS 50x30x5.0	RHS 50x30x6.3													
RHS60	RHS 60x40x2.9	RHS 60x40x3.2	RHS 60x40x4.0	RHS 60x40x5.0	RHS 60x40x6.3	RHS 60x40x8.0												
RHS80	RHS 80x40x2.9	RHS 80x40x3.2	RHS 80x40x4.0	RHS 80x40x5.0	RHS 80x40x6.3	RHS 80x40x8.0												
RHS90	RHS 90x50x3.2	RHS 90x50x4.0	RHS 90x50x5.0	RHS 90x50x6.3	RHS 90x50x8.0													
RHS100	RHS 100x50x3.2	RHS 100x50x4.0	RHS 100x50x5.0	RHS 100x50x6.3	RHS 100x50x8.0	RHS 100x50x10.0	RHS 100x60x3.2	RHS 100x60x4.0	RHS 100x60x5.0	RHS 100x60x6.3	RHS 100x60x8.0	RHS 100x60x10.0						
RHS120	RHS 120x60x3.6	RHS 120x60x4.0	RHS 120x60x5.0	RHS 120x60x6.3	RHS 120x60x8.0	RHS 120x60x10.0	RHS 120x80x4.0	RHS 120x80x5.0	RHS 120x80x6.3	RHS 120x80x8.0	RHS 120x80x10.0							
RHS150	RHS 150x100x5.0	RHS 150x100x6.3	RHS 150x100x8.0	RHS 150x100x10.0	RHS 150x100x12.5													
RHS160	RHS 160x80x5.0	RHS 160x80x6.3	RHS 160x80x8.0	RHS 160x80x10.0	RHS 160x80x12.5													
RHS180	RHS 180x100x5.0	RHS 180x100x6.3	RHS 180x100x8.0	RHS 180x100x10.0	RHS 180x100x12.5													
RHS200	RHS 200x100x5.0	RHS 200x100x6.3	RHS 200x100x8.0	RHS 200x100x10.0	RHS 200x100x12.5	RHS 200x100x16.0	RHS 200x120x5.0	RHS 200x120x6.3	RHS 200x120x8.0	RHS 200x120x10.0	RHS 200x120x12.5	RHS 200x120x16.0	RHS 200x150x5.0	RHS 200x150x6.3	RHS 200x150x8.0	RHS 200x150x10.0	RHS 200x150x12.5	RHS 200x150x16.0
RHS220	RHS 220x120x8.0	RHS 220x120x10.0	RHS 220x120x12.5	RHS 220x120x16.0														
RHS250	RHS 250x100x5.0	RHS 250x100x6.3	RHS 250x100x8.0	RHS 250x100x10.0	RHS 250x100x12.5	RHS 250x100x16.0	RHS 250x150x5.0	RHS 250x150x6.3	RHS 250x150x8.0	RHS 250x150x10.0	RHS 250x150x12.5	RHS 250x150x16.0						
RHS260	RHS 260x140x5.0	RHS 260x140x6.3	RHS 260x140x8.0	RHS 260x140x10.0	RHS 260x140x12.5	RHS 260x140x16.0												
RHS300	RHS 300x100x5.0	RHS 300x100x6.3	RHS 300x100x8.0	RHS 300x100x10.0	RHS 300x100x12.5	RHS 300x100x16.0	RHS 300x200x5.0	RHS 300x200x6.3	RHS 300x200x8.0	RHS 300x200x10.0	RHS 300x200x12.5	RHS 300x200x16.0	RHS 300x250x6.3	RHS 300x250x8.0	RHS 300x250x10.0	RHS 300x250x12.5	RHS 300x250x16.0	
RHS350	RHS 350x150x5.0	RHS 350x150x6.3	RHS 350x150x8.0	RHS 350x150x10.0	RHS 350x150x12.5	RHS 350x150x16.0	RHS 350x200x6.3	RHS 350x200x8.0	RHS 350x200x10.0	RHS 350x200x12.5	RHS 350x200x16.0	RHS 350x250x6.3	RHS 350x250x8.0	RHS 350x250x10.0	RHS 350x250x12.5	RHS 350x250x16.0		
RHS400	RHS 400x150x6.3	RHS 400x150x8.0	RHS 400x150x10.0	RHS 400x150x12.5	RHS 400x150x16.0	RHS 400x200x6.3	RHS 400x200x8.0	RHS 400x200x10.0	RHS 400x200x12.5	RHS 400x200x16.0	RHS 400x300x8.0	RHS 400x300x10.0	RHS 400x300x12.5	RHS 400x300x16.0				
RHS450	RHS 450x150x8.0	RHS 450x150x10.0	RHS 450x150x12.5	RHS 450x150x16.0	RHS 450x250x8.0	RHS 450x250x10.0	RHS 450x250x12.5	RHS 450x250x16.0										
RHS500	RHS 500x200x8.0	RHS 500x200x10.0	RHS 500x200x12.5	RHS 500x200x16.0	RHS 500x300x8.0	RHS 500x300x10.0	RHS 500x300x12.5	RHS 500x300x16.0										

CIRCULAR HOLLOW SECTION (CHS) (HOT FINISHED)							
MARK	A	B	C	D	E	F	G
CHS21	CHS 21.3x3.2						
CHS26	CHS 26.9x3.2						
CHS33	CHS 33.7x3.2	CHS 33.7x4.0					
CHS42	CHS 42.4x3.2	CHS 42.4x4.0					
CHS48	CHS 48.3x3.2	CHS 48.3x4.0	CHS 48.3x5.0	CHS 48.3x6.3			
CHS60	CHS 60.3x3.2	CHS 60.3x4.0	CHS 60.3x5.0	CHS 60.3x6.3	CHS 60.3x8.0		
CHS76	CHS 76.1x2.9	CHS 76.1x3.2	CHS 76.1x4.0	CHS 76.1x5.0	CHS 76.1x6.3	CHS 76.1x8.0	
CHS88	CHS 88.9x3.2	CHS 88.9x4.0	CHS 88.9x5.0	CHS 88.9x6.3	CHS 88.9x8.0	CHS 88.9x10.0	
CHS114	CHS 114.3x3.6	CHS 114.3x4.0	CHS 114.3x5.0	CHS 114.3x6.3	CHS 114.3x8.0	CHS 114.3x10.0	
CHS139	CHS 139.7x3.6	CHS 139.7x4.0	CHS 139.7x5.0	CHS 139.7x6.3	CHS 139.7x8.0	CHS 139.7x10.0	
CHS168	CHS 168.3x5.0	CHS 168.3x6.3	CHS 168.3x8.0	CHS 168.3x10.0	CHS 168.3x12.5		
CHS193	CHS 193.7x5.0	CHS 193.7x6.3	CHS 193.7x8.0	CHS 193.7x10.0	CHS 193.7x12.5	CHS 193.7x16.0	
CHS219	CHS 219.1x5.0	CHS 219.1x6.3	CHS 219.1x8.0	CHS 219.1x10.0	CHS 219.1x12.5	CHS 219.1x16.0	
CHS244	CHS 244.5x5.0	CHS 244.5x6.3	CHS 244.5x8.0	CHS 244.5x10.0	CHS 244.5x12.5	CHS 244.5x16.0	
CHS273	CHS 273x5.0	CHS 273x6.3	CHS 273x8.0	CHS 273x10.0	CHS 273x12.5	CHS 273x16.0	
CHS323	CHS 323.9x5.0	CHS 323.9x6.3	CHS 323.9x8.0	CHS 323.9x10.0	CHS 323.9x12.5	CHS 323.9x16.0	
CHS355	CHS 355.6x6.3	CHS 355.6x8.0	CHS 355.6x10.0	CHS 355.6x12.5	CHS 355.6x16.0		
CHS406	CHS 406.4x10.0	CHS 406.4x12.5	CHS 406.4x16.0				
CHS457	CHS 457x10.0	CHS 457x12.5	CHS 457x16.0				
CHS508	CHS 508x10.0	CHS 508x12.5	CHS 508x16.0				

SQUARE HOLLOW SECTION (SHS) (HOT FINISHED)							
MARK	A	B	C	D	E	F	G
SHS40	SHS 40x40x2.9	SHS 40x40x3.2	SHS 40x40x4.0	SHS 40x40x5.0	SHS 40x40x6.3		
SHS50	SHS 50x50x2.9	SHS 50x50x3.2	SHS 50x50x4.0	SHS 50x50x5.0	SHS 50x50x6.3	SHS 50x50x8.0	
SHS60	SHS 60x60x2.9	SHS 60x60x3.2	SHS 60x60x4.0	SHS 60x60x5.0	SHS 60x60x6.3	SHS 60x60x8.0	
SHS70	SHS 70x70x3.2	SHS 70x70x4.0	SHS 70x70x5.0	SHS 70x70x6.3	SHS 70x70x8.0		
SHS80	SHS 80x80x3.2	SHS 80x80x4.0	SHS 80x80x5.0	SHS 80x80x6.3	SHS 80x80x8.0	SHS 80x80x10.0	
SHS90	SHS 90x90x4.0	SHS 90x90x5.0	SHS 90x90x6.3	SHS 90x90x8.0	SHS 90x90x10.0		
SHS100	SHS 100x100x4.0	SHS 100x100x5.0	SHS 100x100x6.3	SHS 100x100x8.0	SHS 100x100x10.0		
SHS120	SHS 120x120x5.0	SHS 120x120x6.3	SHS 120x120x8.0	SHS 120x120x10.0	SHS 120x120x12.5		
SHS140	SHS 140x140x5.0	SHS 140x140x6.3	SHS 140x140x8.0	SHS 140x140x10.0	SHS 140x140x12.5	SHS 140x140x16.0	
SHS150	SHS 150x150x5.0	SHS 150x150x6.3	SHS 150x150x8.0	SHS 150x150x10.0	SHS 150x150x12.5	SHS 150x150x16.0	
SHS160	SHS 160x160x5.0	SHS 160x160x6.3	SHS 160x160x8.0	SHS 160x160x10.0	SHS 160x160x12.5	SHS 160x160x16.0	
SHS180	SHS 180x180x6.3	SHS 180x180x8.0	SHS 180x180x10.0	SHS 180x180x12.5	SHS 180x180x16.0		
SHS200	SHS 200x200x5.0	SHS 200x200x6.3	SHS 200x200x8.0	SHS 200x200x10.0	SHS 200x200x12.5	SHS 200x200x16.0	
SHS250	SHS 250x250x5.0	SHS 250x250x6.3	SHS 250x250x8.0	SHS 250x250x10.0	SHS 250x250x12.5	SHS 250x250x16.0	
SHS300	SHS 300x300x6.3	SHS 300x300x8.0	SHS 300x300x10.0	SHS 300x300x12.5	SHS 300x300x16.0		
SHS350	SHS 350x350x8.0	SHS 350x350x10.0	SHS 350x350x12.5	SHS 350x350x16.0			
SHS400	SHS 400x400x8.0	SHS 400x400x10.0	SHS 400x400x12.5	SHS 400x400x16.0			

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P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
			Chk	

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THE GEORGE HOTEL
 HUDDERSFIELD



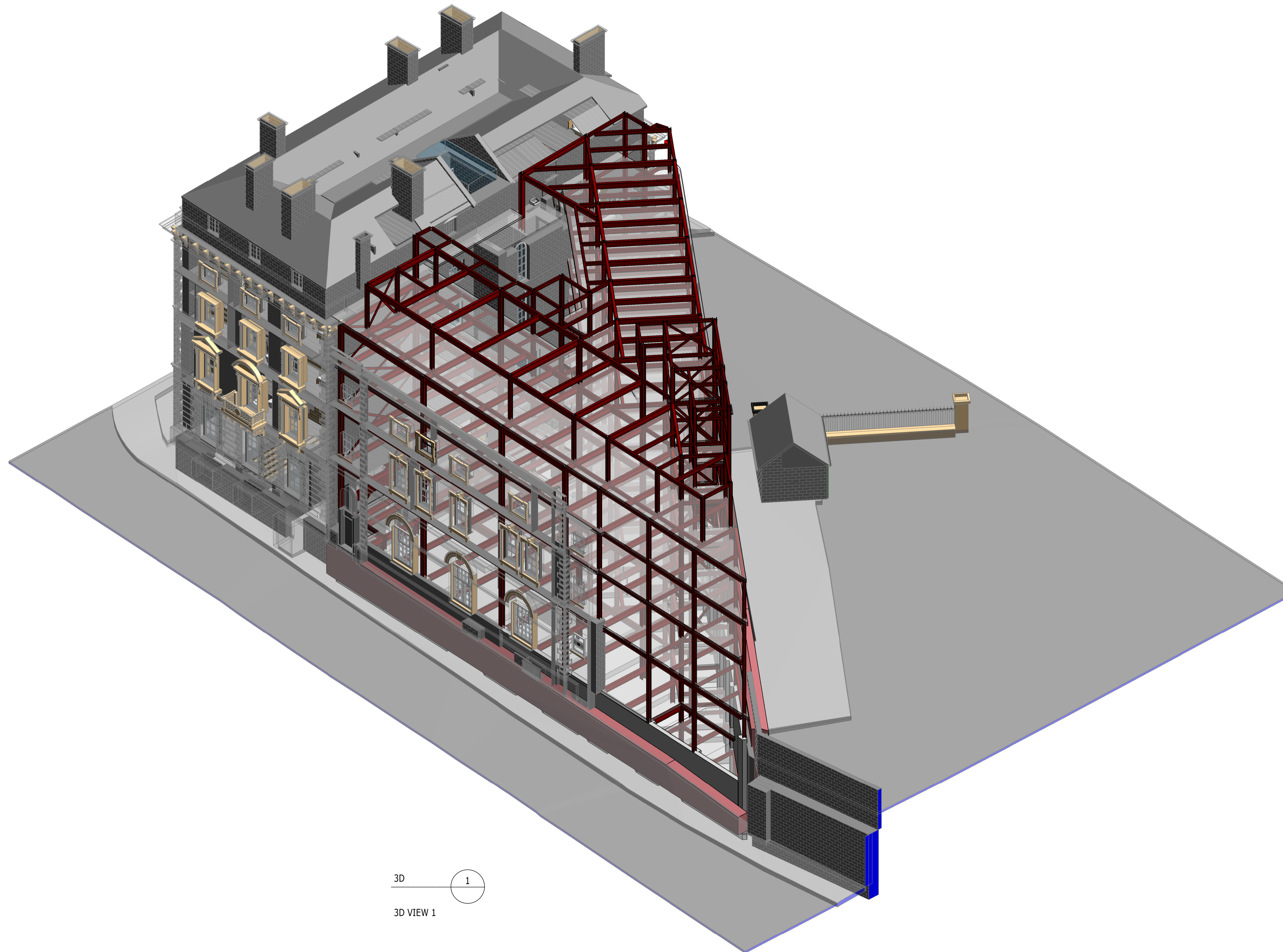
STEELWORK REFERENCE
 SCHEDULE - SHEET 2

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	N/A	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-XX-DR-S-00016	P02		

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3D 1
3D VIEW 1

Rev	Description	Date	By	App
P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM

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THE GEORGE HOTEL
HUDDERSFIELD



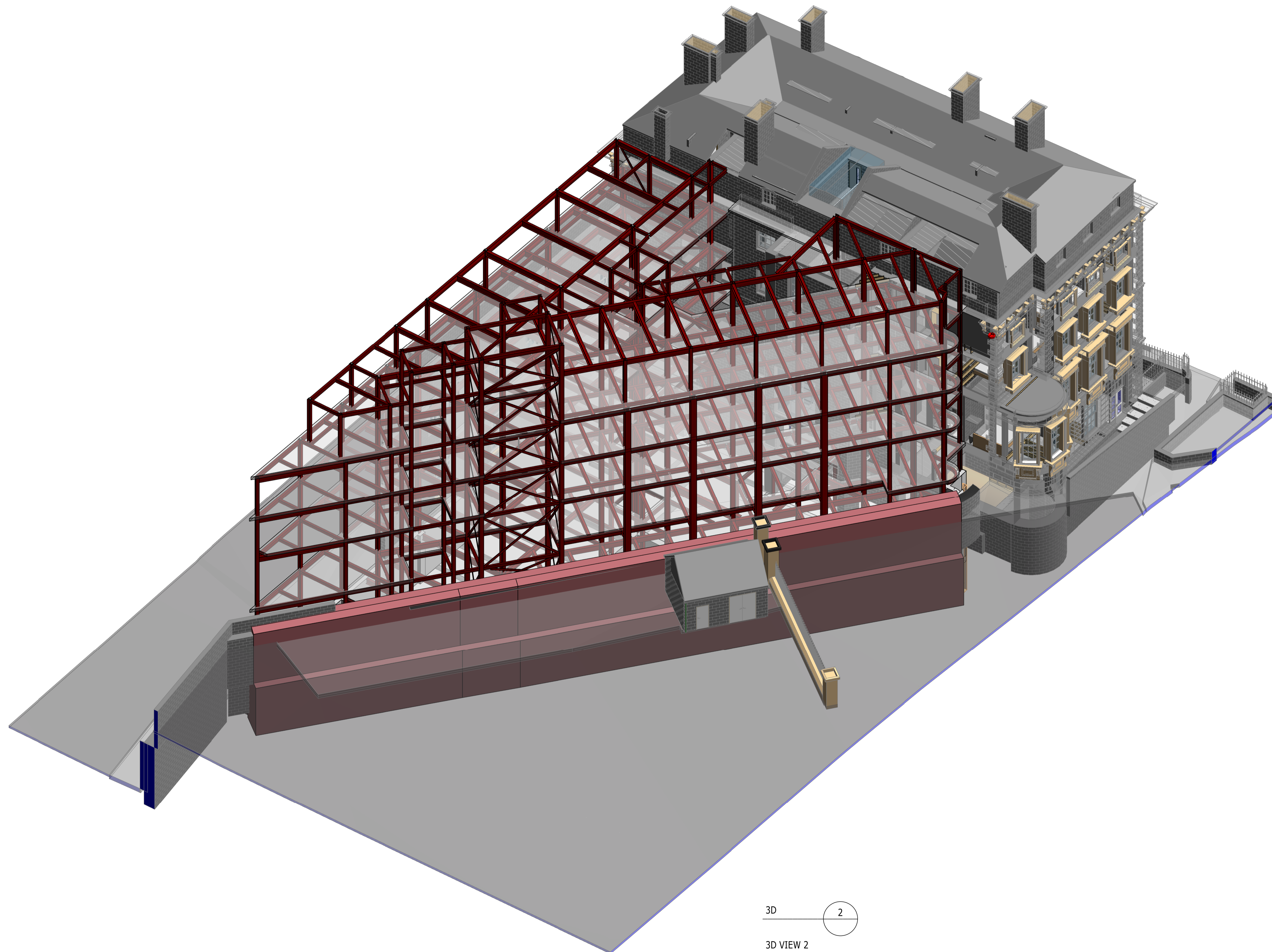
3D ISOMETRIC VIEWS
SHEET 1

Project No: 1620014217	Scale (@ A1): NTS	Date: NOV'22	Drawn: JC
Drawing No: 4217-RAM-ZZ-ZZ-DR-S-00030	Rev: P02		

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3D 2
3D VIEW 2

P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By Chk	App

S3 - FOR REVIEW AND COMMENT

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HUDDERSFIELD



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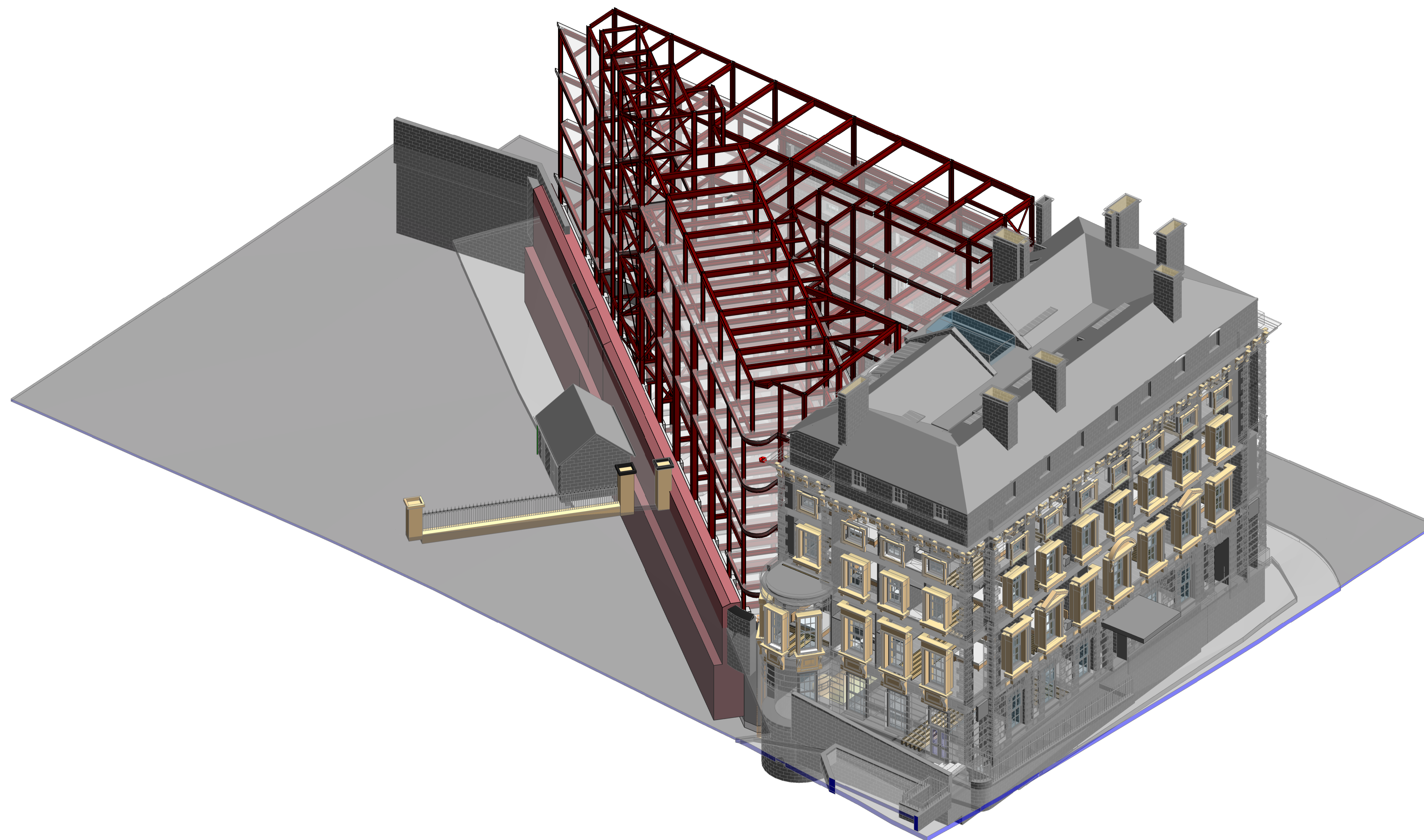
3D ISOMETRIC VIEWS
SHEET 2

Project No: 1620014217	Scale (@ A1): NTS	Date: NOV'22	Drawn: JC
Drawing No: 4217-RAM-ZZ-ZZ-DR-S-00031	Rev: P02		

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3D 3
3D VIEW 3

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P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By Cnk	App

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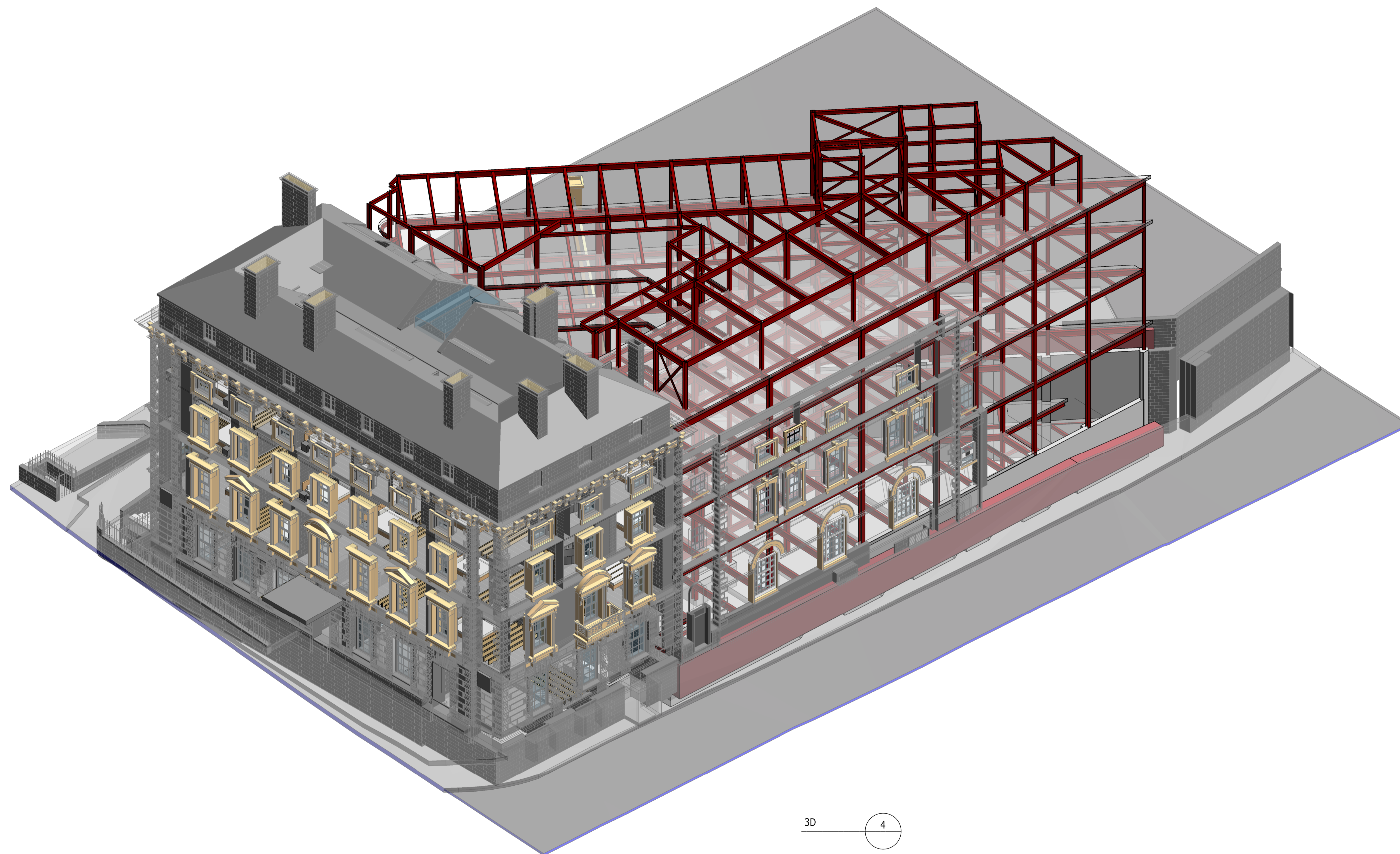
3D ISOMETRIC VIEWS
SHEET 3

Project No: 1620014217	Scale (@ A1): NTS	Date: NOV'22	Drawn: JC
Drawing No: 4217-RAM-ZZ-ZZ-DR-S-00032	Rev: P02		

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3D
3D VIEW 4

4

P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
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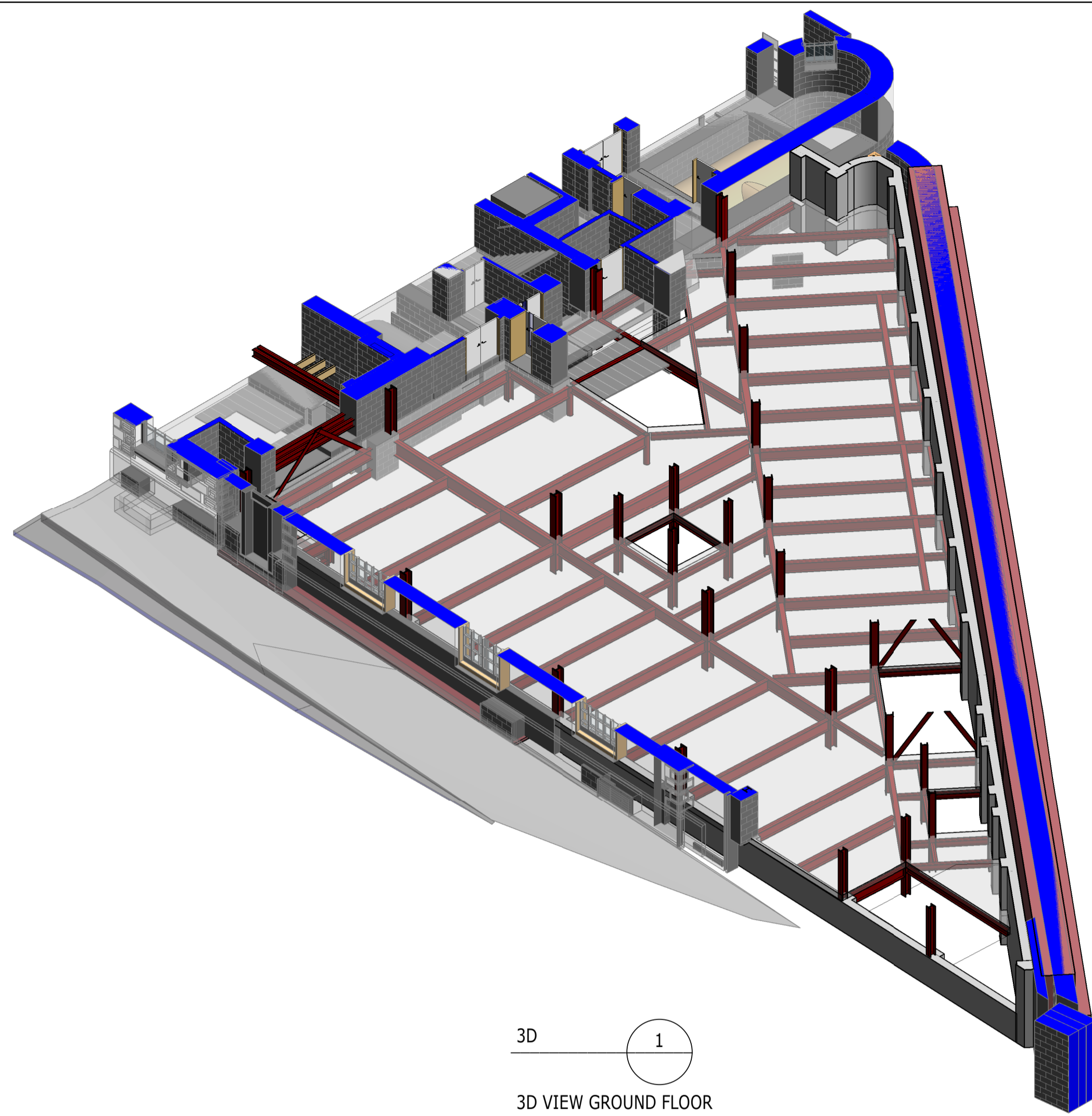
3D ISOMETRIC VIEWS
SHEET 4

Project No: 1620014217	Scale (@ A1): NTS	Date: NOV'22	Drawn: JC
Drawing No: 4217-RAM-ZZ-ZZ-DR-S-00033	Rev: P02		

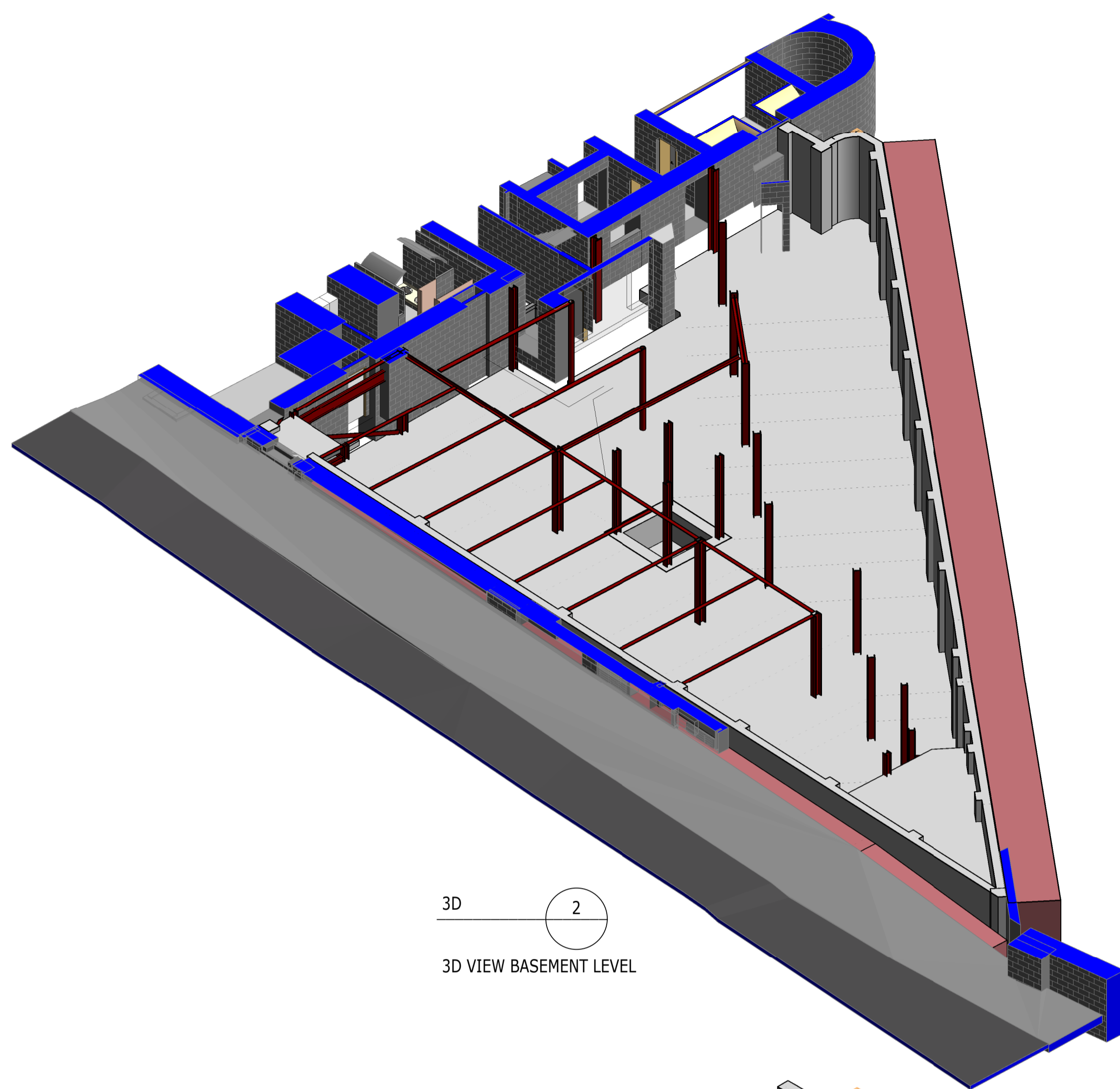
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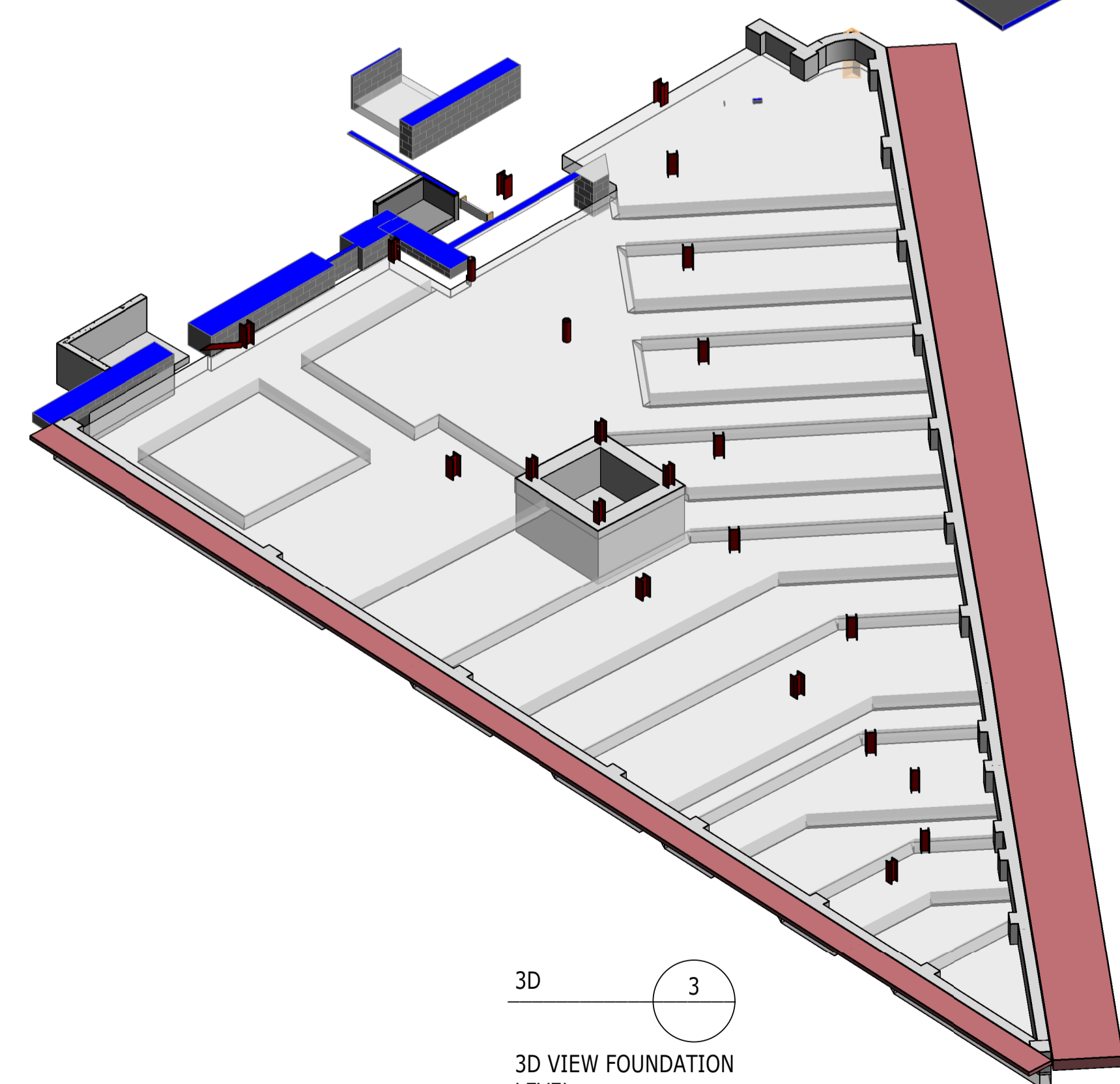
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3D 1
3D VIEW GROUND FLOOR LEVEL



3D 2
3D VIEW BASEMENT LEVEL



3D 3
3D VIEW FOUNDATION LEVEL

Rev	Description	Date	By	App
P02	PLANNING & LBC ISSUE	16/12/2022	JC AC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC AC	PM

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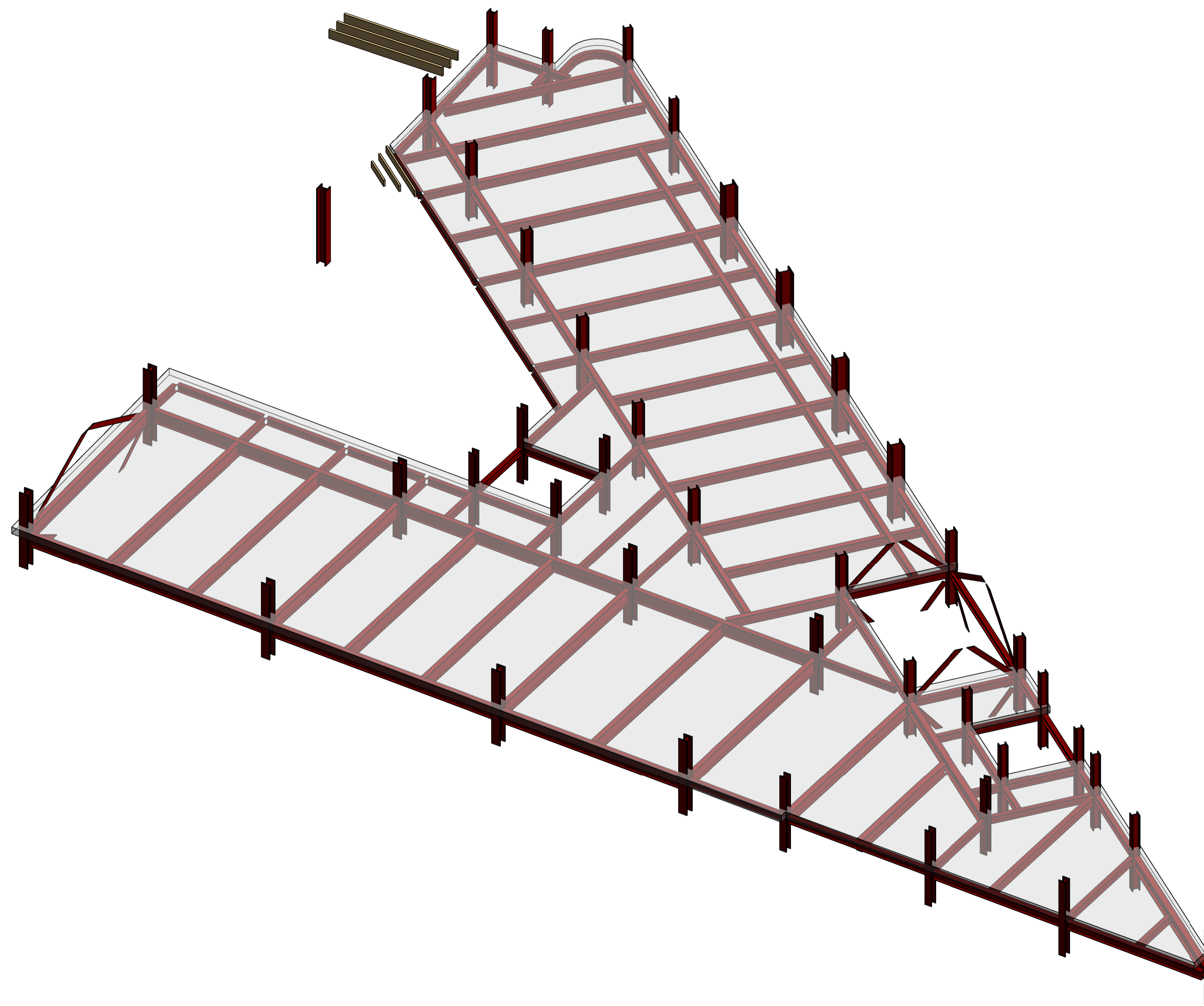
3D ISOMETRIC VIEWS
SHEET 5

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	NTS	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-ZZ-DR-S-00034	P02		

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3D 1
3D VIEW TYPICAL FLOOR LEVEL

P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By Cnk	App

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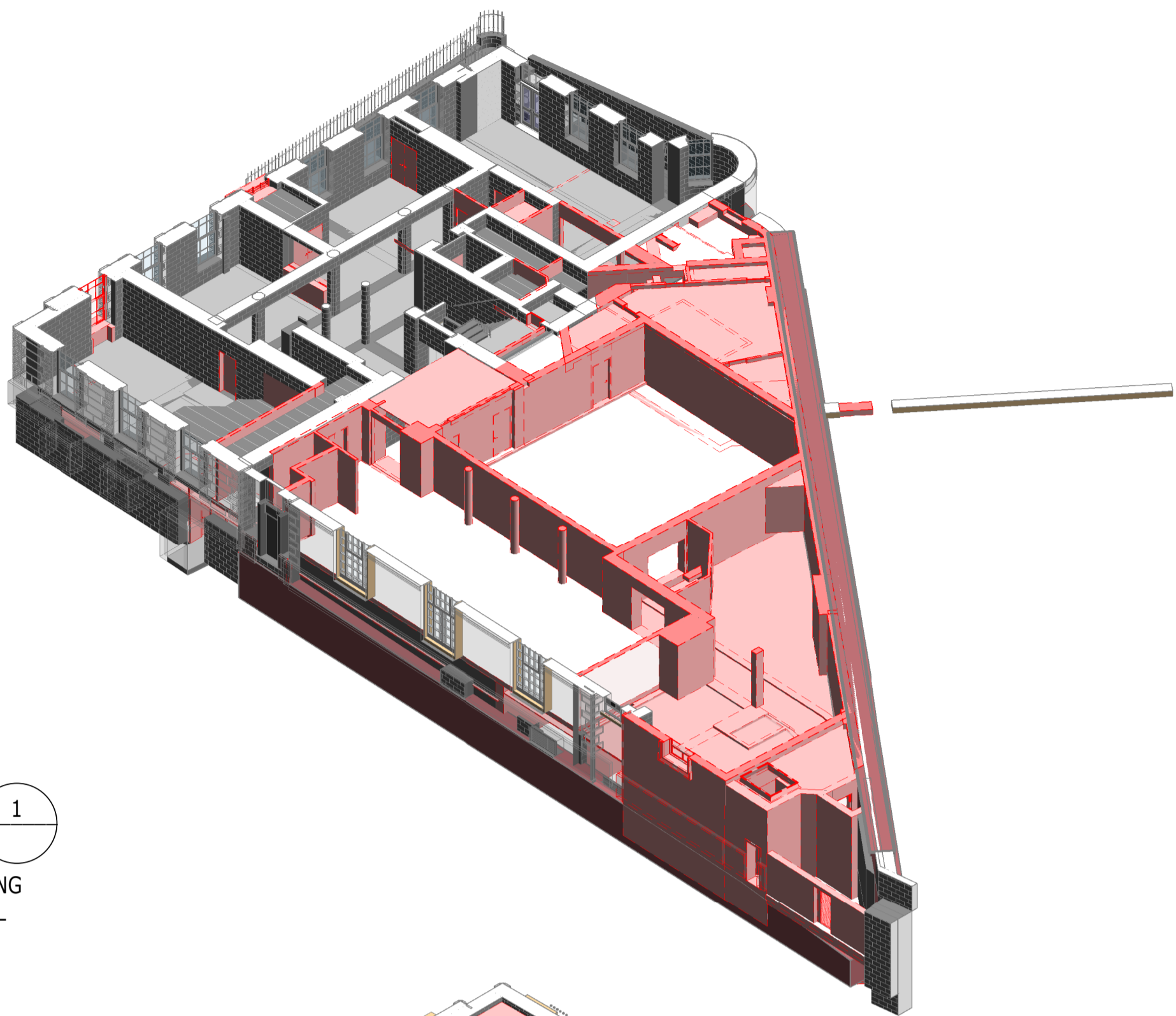
3D ISOMETRIC VIEWS
SHEET 6
TYPICAL FLOOR

Project No: 1620014217	Scale (@ A1): NTS	Date: NOV'22	Drawn: JC
Drawing No: 4217-RAM-ZZ-ZZ-DR-S-00035	Rev: P02		

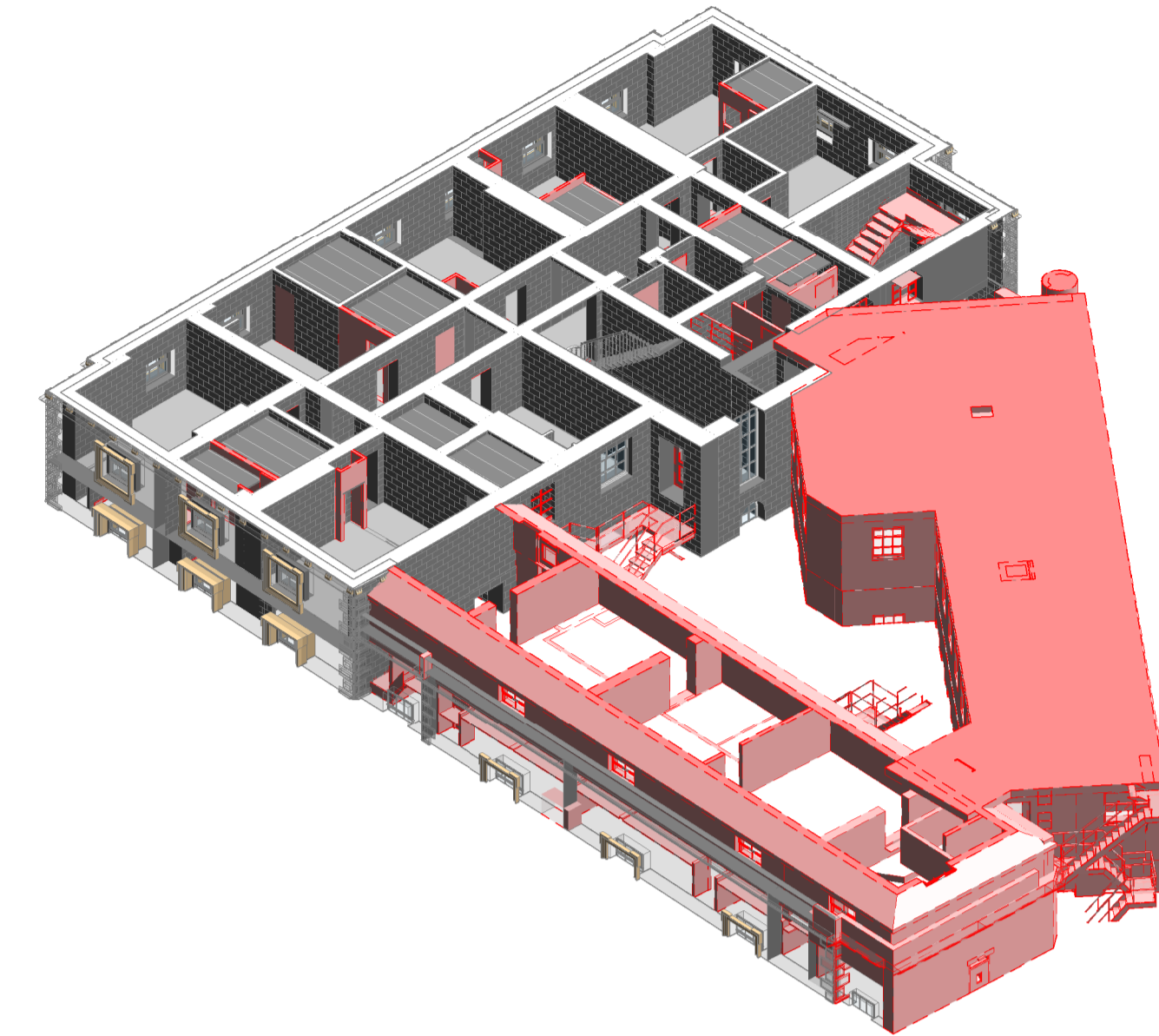
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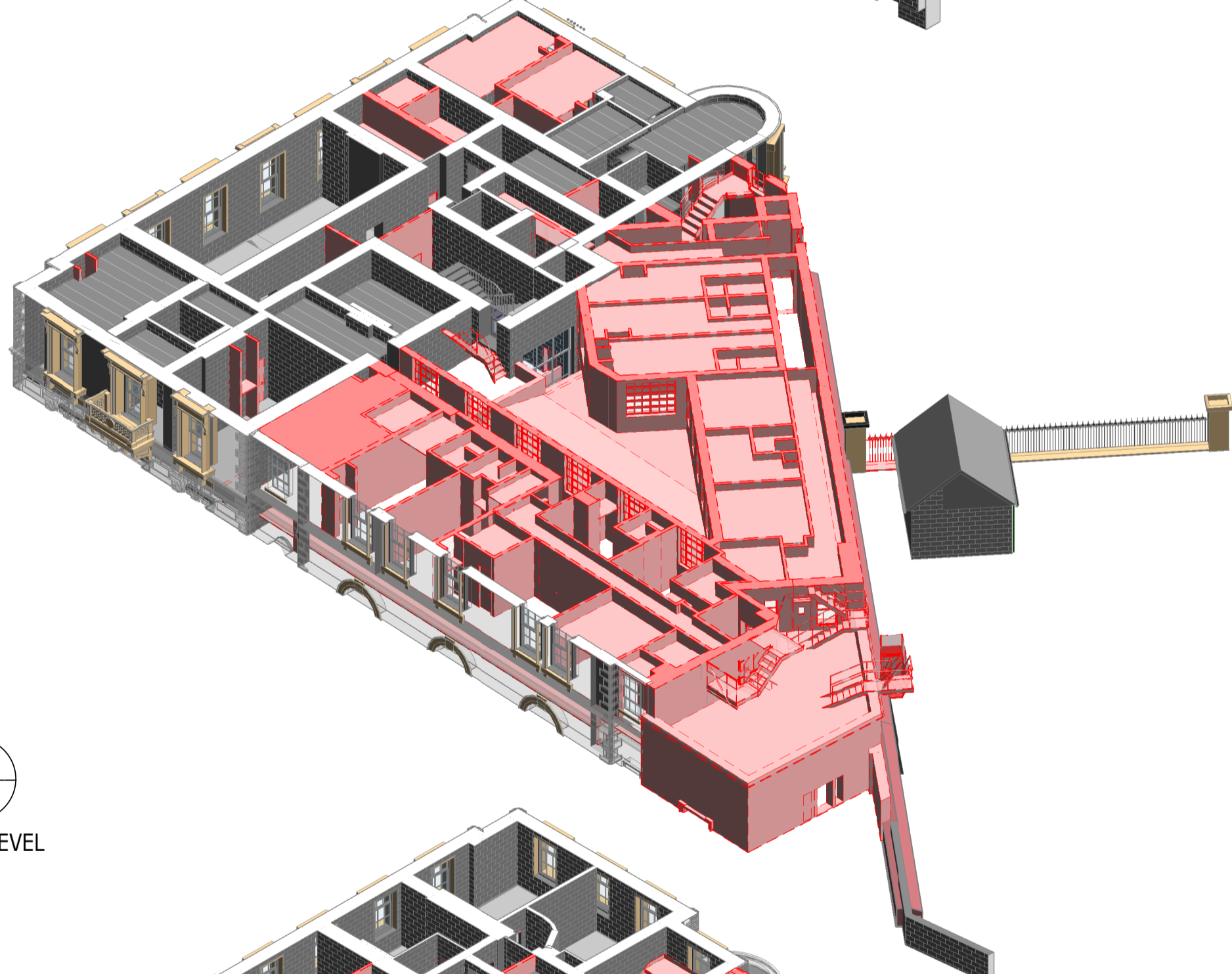
VIBRATION MONITORING TO BE IN PLACE THROUGHOUT DURATION OF THE WORKS TO ENSURE INTEGRITY OF EXISTING STRUTURES TO REMAIN DO NOT BECOME COMPROMISED. VIBRATION LEVELS TO BE CONFIRMED.



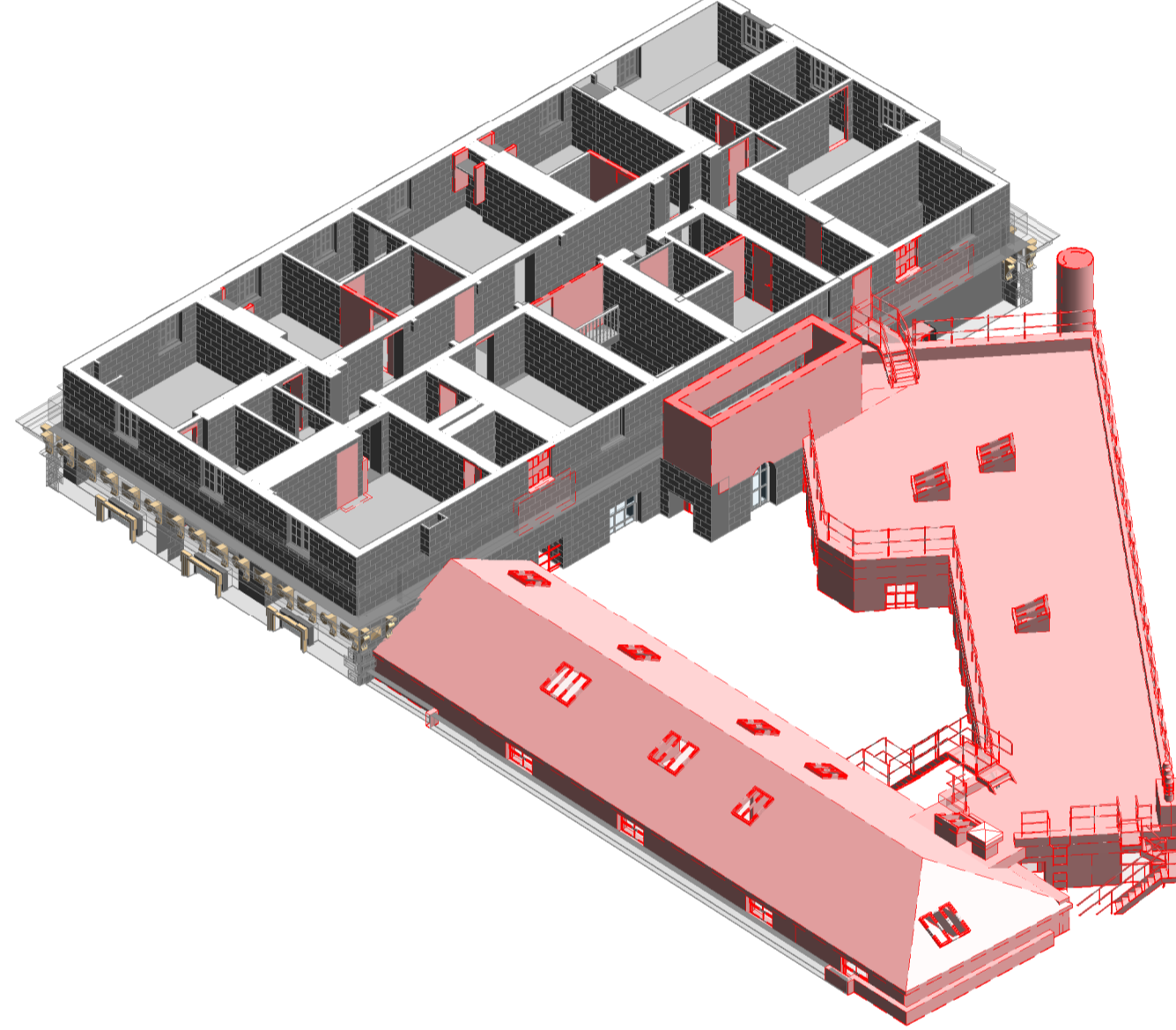
3D 1
3D VIEW EXISTING BASEMENT LEVEL DEMOLITION



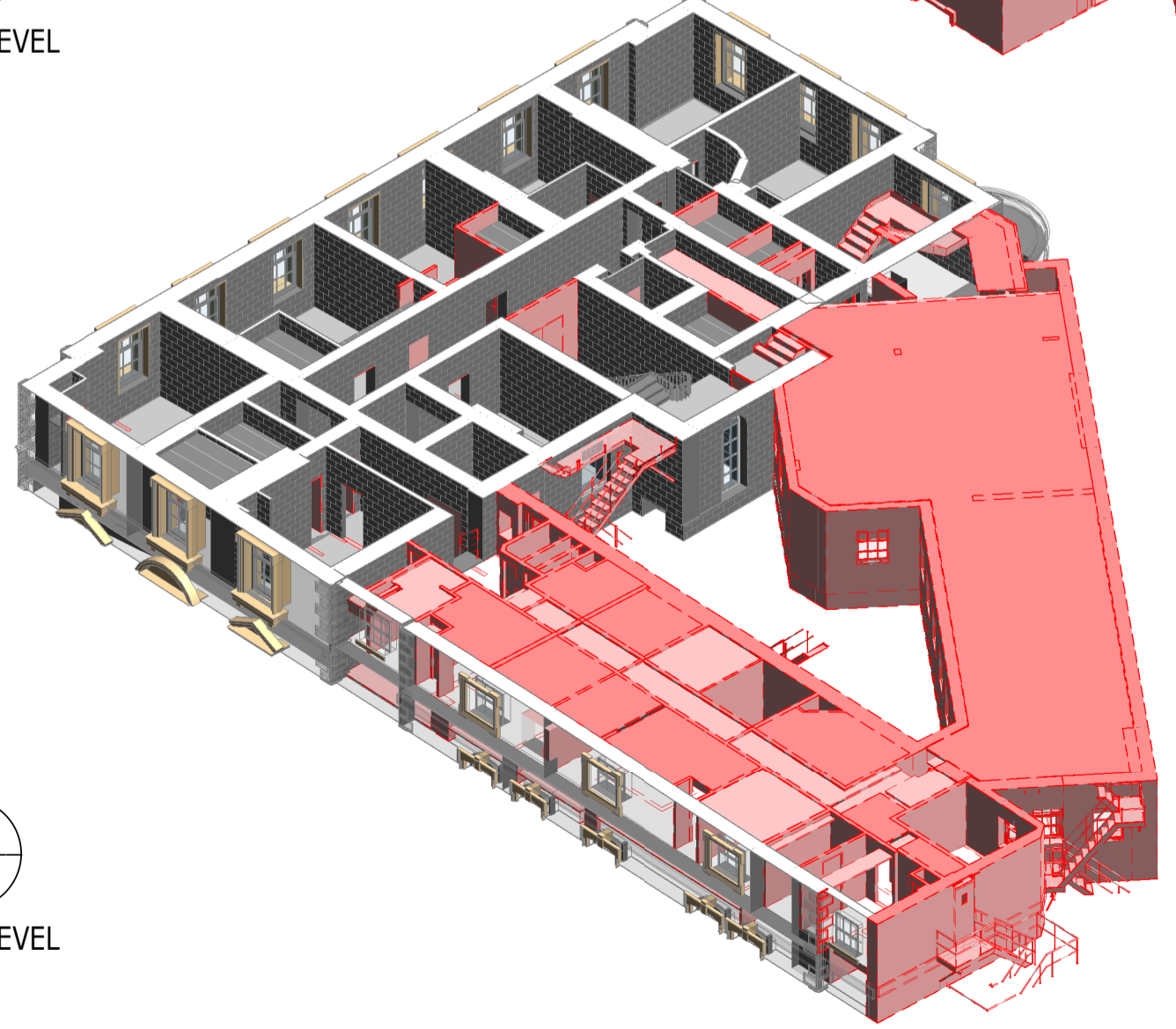
3D 4
3D VIEW EXISTING LEVEL 02 DEMOLITION



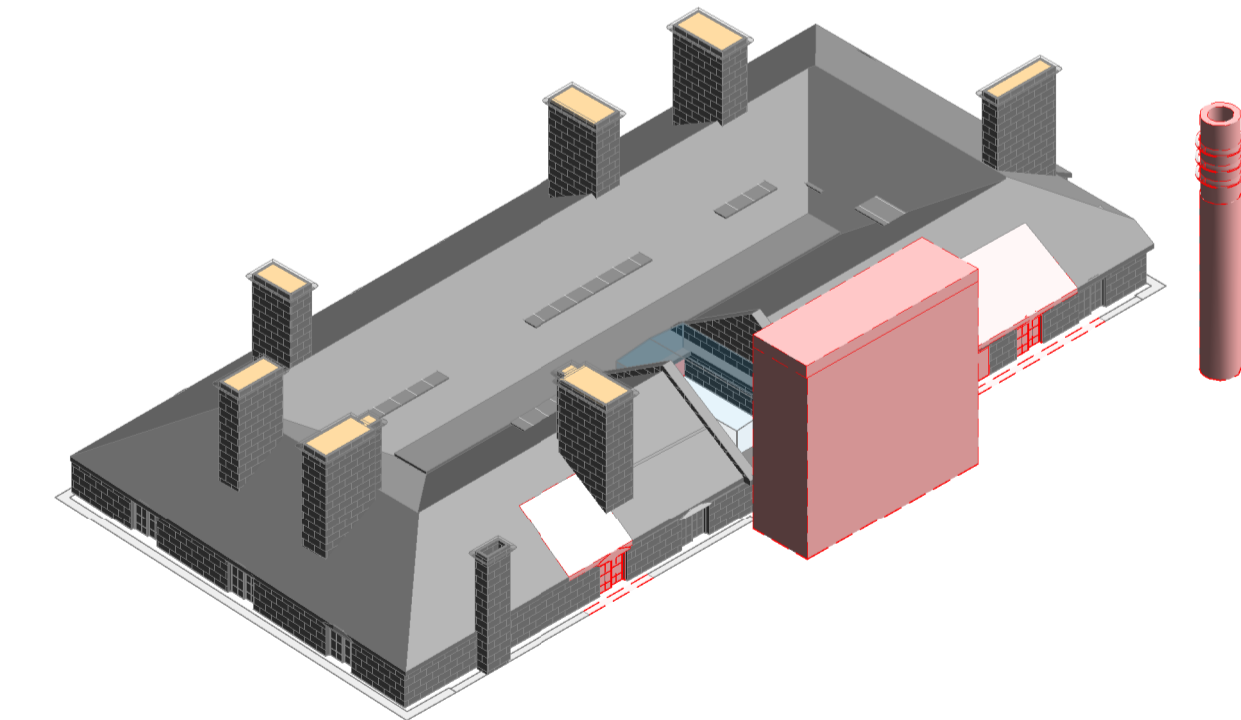
3D 2
3D VIEW EXISTING LEVEL 00 DEMOLITION



3D 5
3D VIEW EXISTING LEVEL 03 DEMOLITION



3D 3
3D VIEW EXISTING LEVEL 01 DEMOLITION



3D 6
3D VIEW EXISTING ROOF DEMOLITION

P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
			Chk	

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THE GEORGE HOTEL
HUDDERSFIELD



3D ISOMETRIC VIEWS
SHEET 7
DEMOLITION

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	NTS	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-ZZ-DR-S-00036	P02		

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DIMENSIONS AND SETTING OUT TO BE CONFIRMED BY ARCHITECT

FOR TYPICAL UNDERPINNING DETAILS REFER TO DRAWING 4217-RAM-ZZ-FN-DR-S-00561

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

P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
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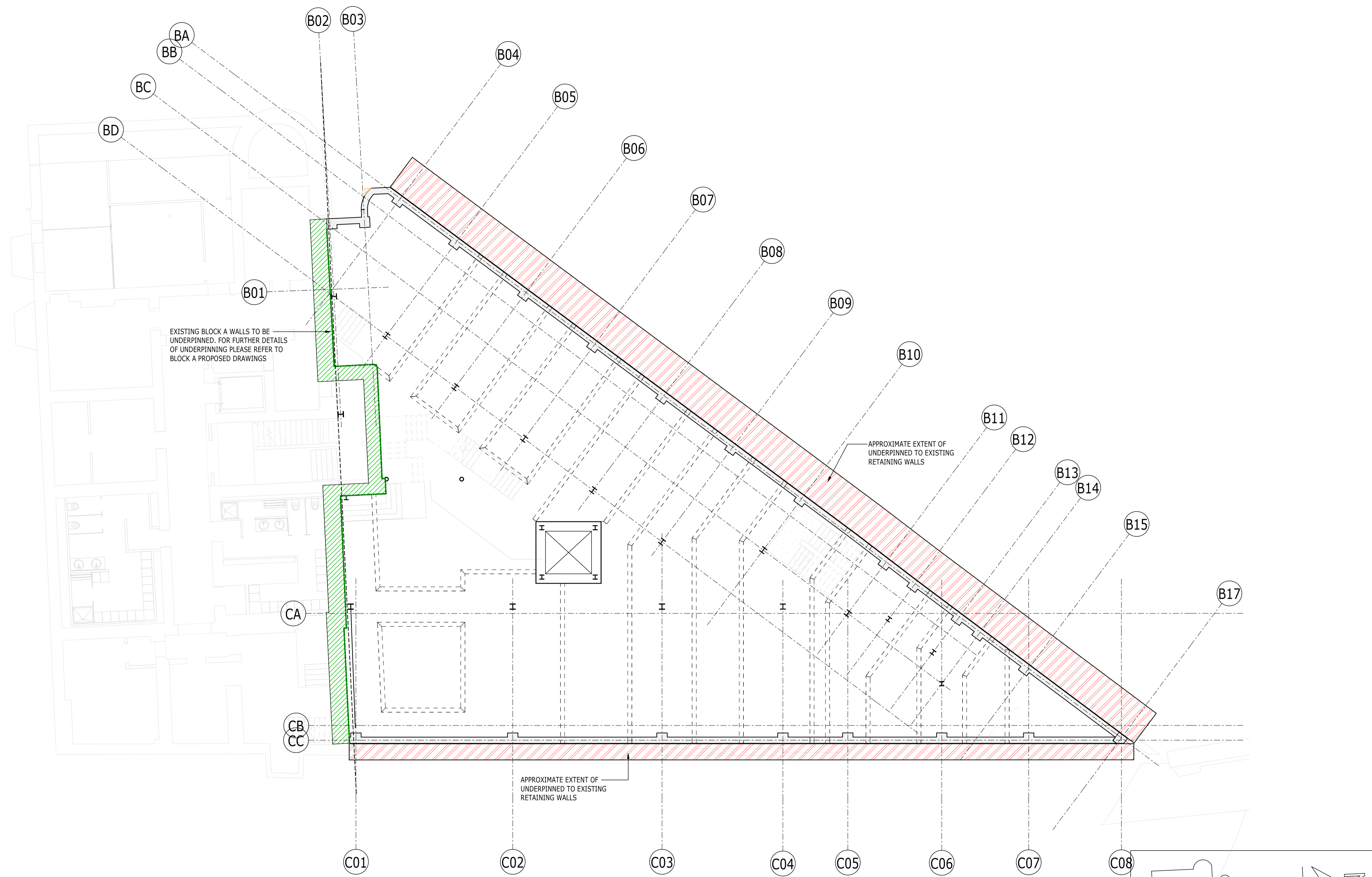
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**EXISTING FOUNDATION
EXTENT OF UNDERPINNING GA**

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 100	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-FN-DR-S-00090	P02		

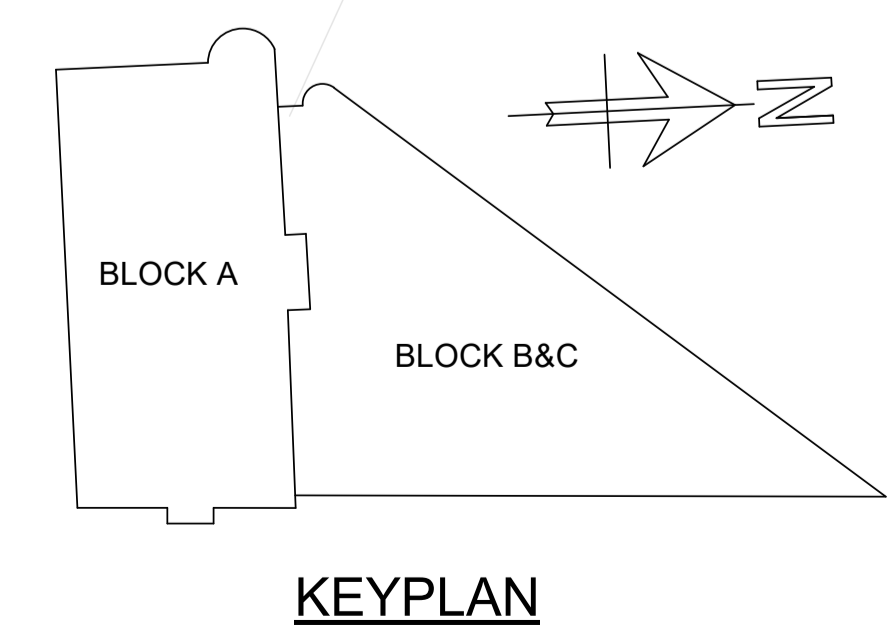


EXISTING BLOCK A WALLS TO BE UNDERPINNED. FOR FURTHER DETAILS OF UNDERPINNING PLEASE REFER TO BLOCK A PROPOSED DRAWINGS

APPROXIMATE EXTENT OF UNDERPINNED TO EXISTING RETAINING WALLS

APPROXIMATE EXTENT OF UNDERPINNED TO EXISTING RETAINING WALLS

PLAN
1 : 100
EX FOUNDATION UNDERPINNING



KEYPLAN

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- FOR MEMBER SCHEDULES REFER TO DRAWING No. 4217-RAM-ZZ-XX-DR-S-0015
- SEPERATE ALLOWANCES TO BE MADE FOR THE FOLLOWING:
 - ALL STEEL TO STEEL AND STEEL TO CONCRETE CONNECTIONS AND SPLICES
 - FAÇADE FIXINGS
 - TRANSFER BEAMS
 - STIFFENER PLATES AROUND BEAM WEB OPENINGS
 - STEEL COLUMNS

LEGEND

- 450mm RC SLAB THICKENING. THICKENING FOUNDED ON TBC WITH AN ALLOWABLE BEARING PRESSURE OF TBC
- 250mm RC SLAB FOUNDED ON TBC WITH AN ALLOWABLE BEARING PRESSURE OF TBC

ALL FOUNDATIONS SHOWN ARE ON HOLD PENDING RECEIPT OF PHASE 2 GROUND INVESTIGATION REPORT. DO NOT PRICE/COST FOUNDATIONS SHOWN ON THIS DRAWING.

RC SUMP PIT FOR DRAINED CAVITY WATERPROOFING SYSTEMS TBC

DIMENSIONS AND SETTING OUT TO BE CONFIRMED BY ARCHITECT

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P02	PLANNING & LBC ISSUE	16/12	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12	JC	PM
Rev	Description	Date	By	App
			Chk	

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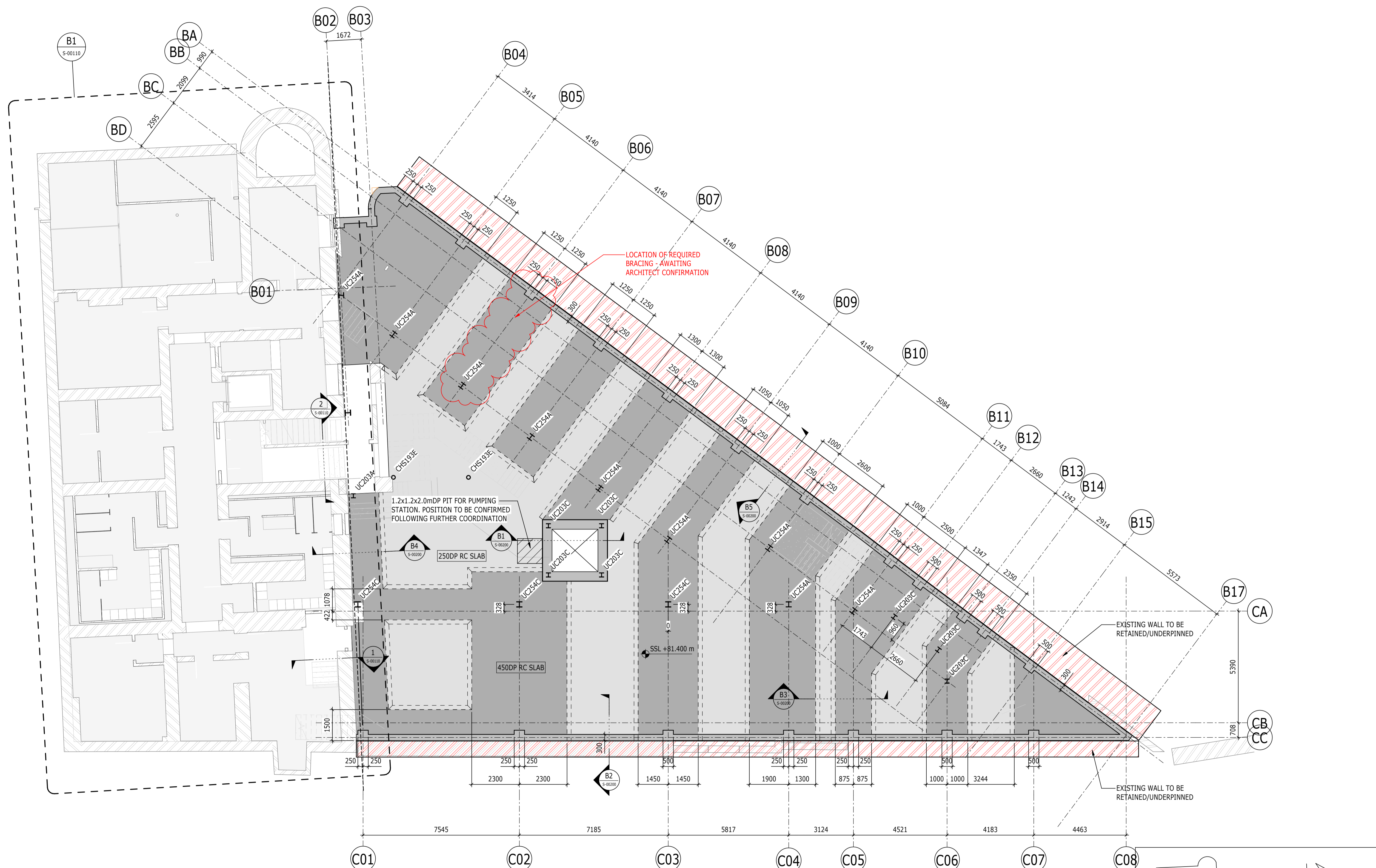
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HUDDERSFIELD



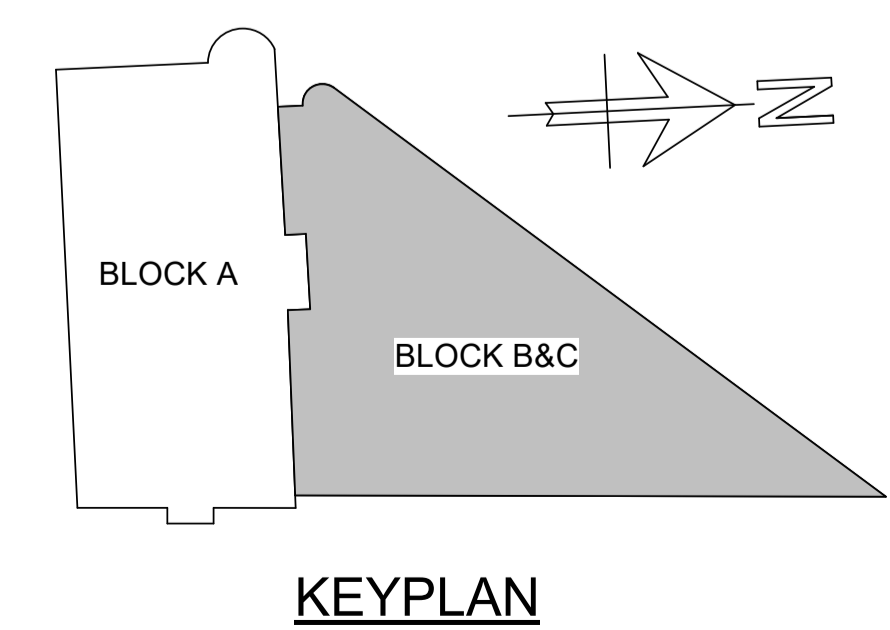
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BLOCKS B & C
BASEMENT GA

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	OCT'22	JC
Drawing No:			Rev:
4217-RAM-ZZ-B1-DR-S-00100			P02



PLAN
1 : 100
BLOCK B&C - LEVEL B1



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 - FOR MEMBER SCHEDULES REFER TO DRAWING No. 4217-RAM-ZZ-XX-DR-S-0015 & S-0016
 - SEPERATE ALLOWANCES TO BE MADE FOR THE FOLLOWING:
 - ALL STEEL TO STEEL AND STEEL TO CONCRETE CONNECTIONS AND SPLICES
 - FACADE FIXINGS
 - TRANSFER BEAMS
 - STIFFENER PLATES AROUND BEAM WEB OPENINGS
 - STEEL COLUMNS

- LEGEND
- ← DENOTES SPAN DIRECTION OF 140mm THICK COMPOSITE METAL DECK SLAB (WITH 75mm SCREED) ON SMD TR60+ 1.0 GAUGE METAL DECKING
 - ↔ DENOTES SPAN DIRECTION OF 140mm THICK COMPOSITE METAL DECK SLAB ON SMD TR60 + 1.0 GAUGE METAL DECKING
 - ▶ DENOTES MOMENT CONNECTION
 - TIMBER INFILL
- INABEYANCE / TO BE CONFIRMED
- BUILDERSWORK HOLES
 - UPSTANDS
 - MOMENT CONNECTION
 - OPTIMISATION OF STEELWORK FOR FIRE DESIGN

DIMENSIONS AND SETTING OUT TO BE CONFIRMED BY ARCHITECT

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- ⓘ INDICATES A RESIDUAL RISK FOR INFORMATION
- ⊘ INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION
- ⚠ INDICATES A RESIDUAL RISK AS A WARNING

P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
			Chk	

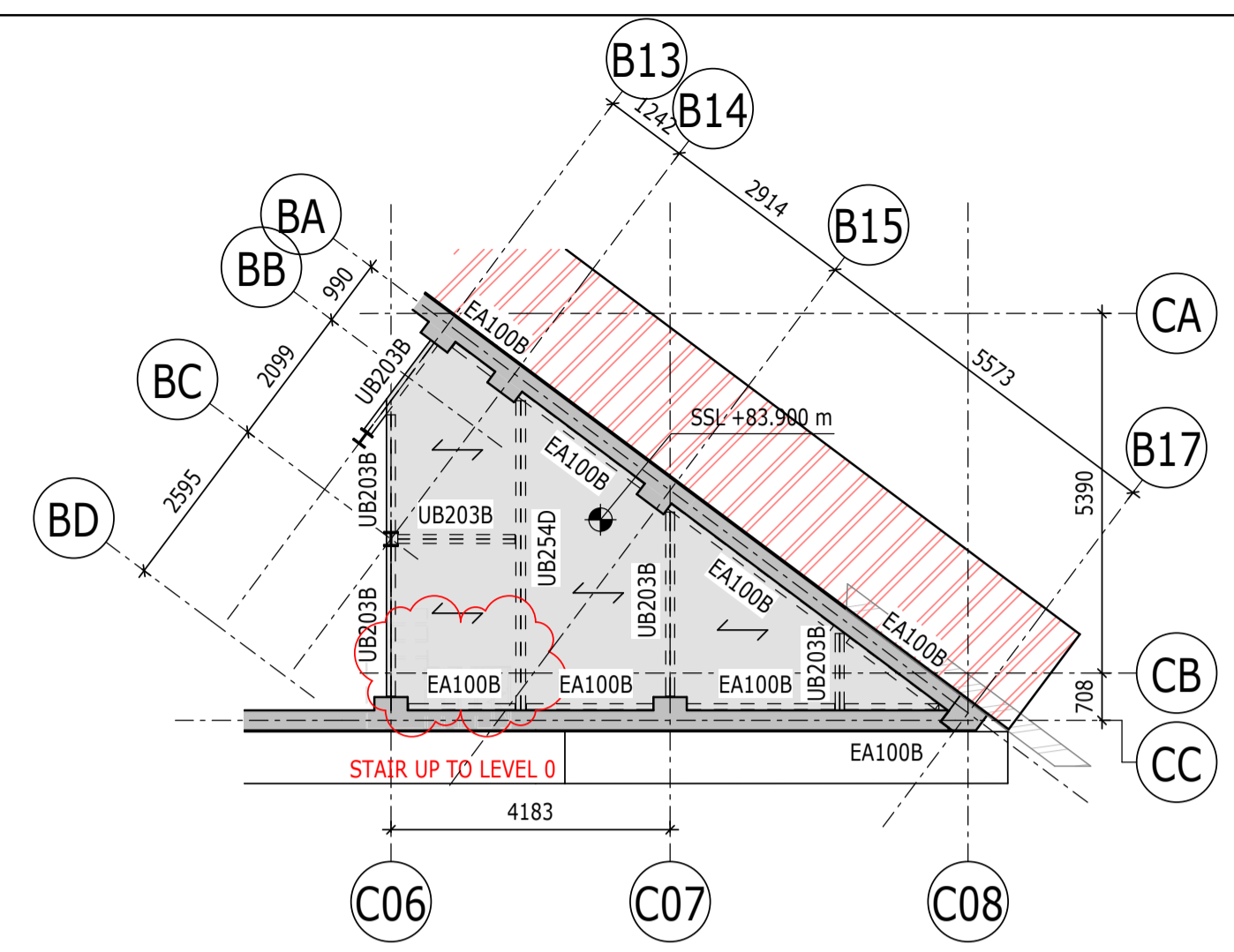
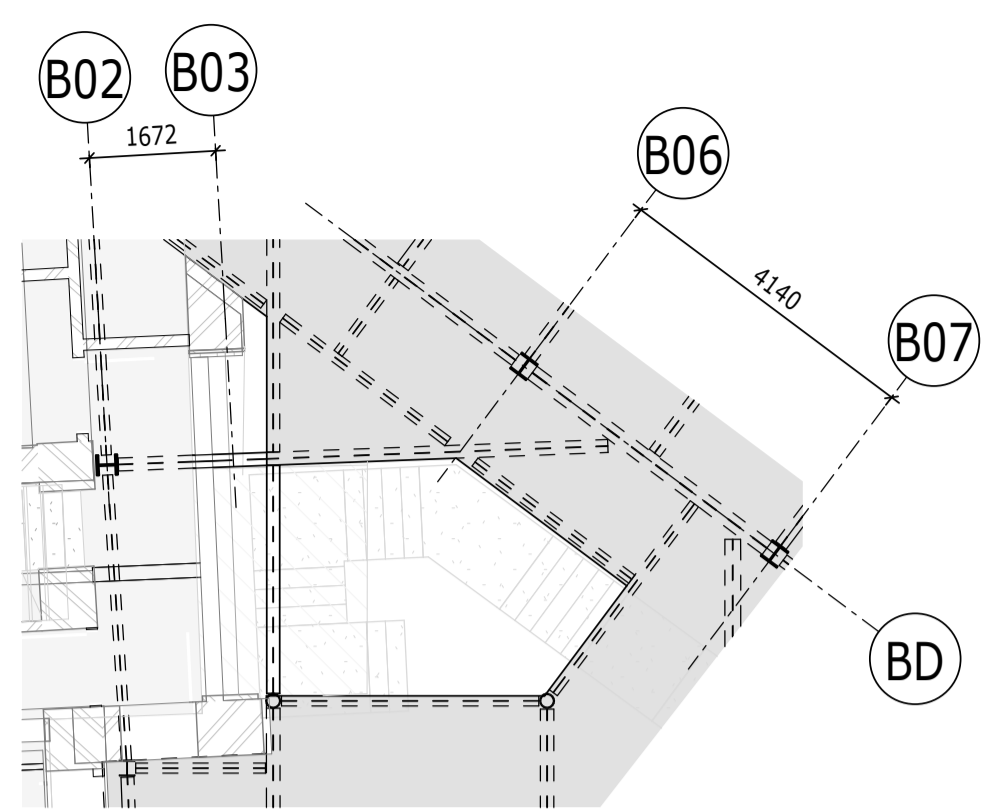
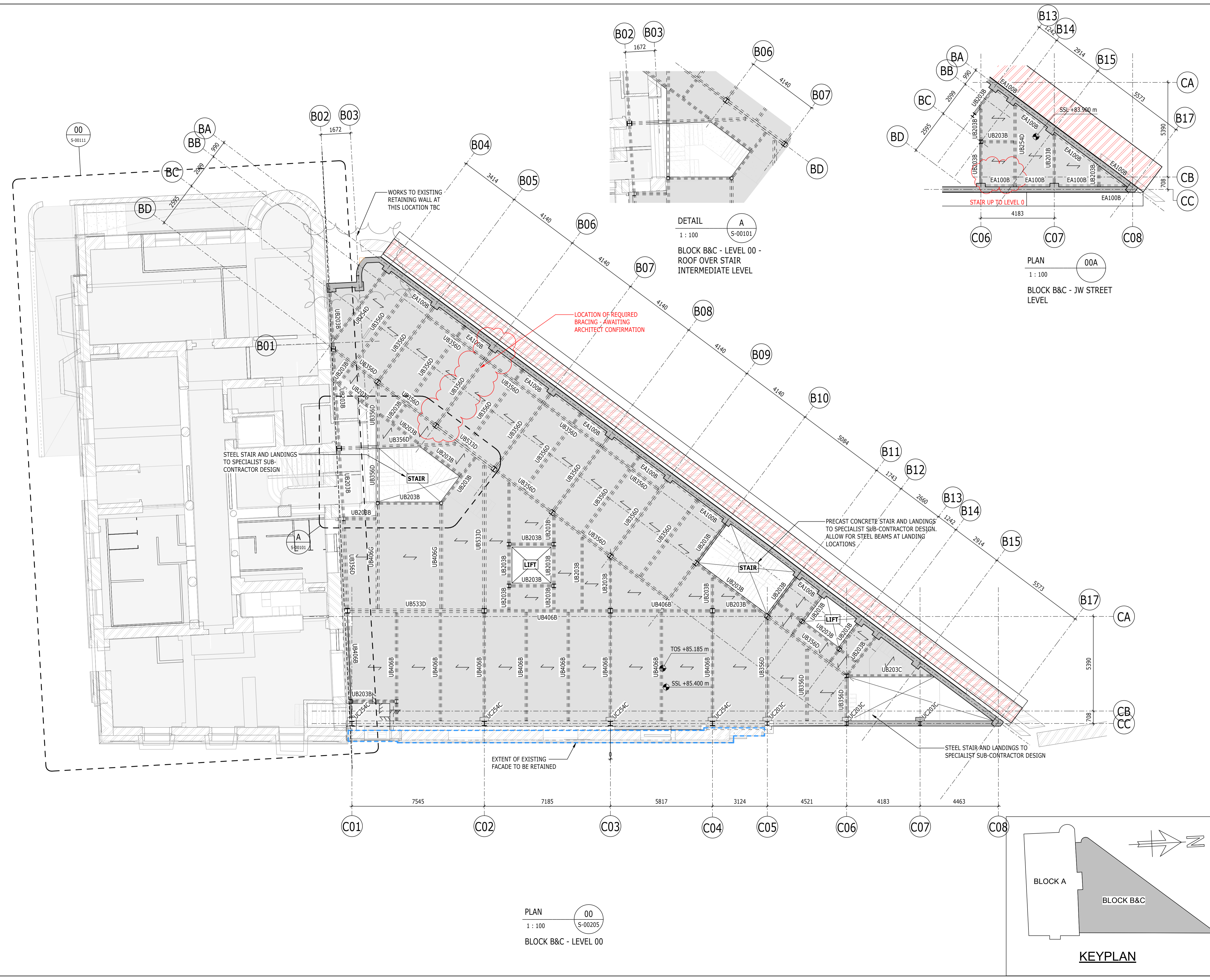
S3 - FOR REVIEW AND COMMENT

**THE GEORGE HOTEL
HUDDERSFIELD**

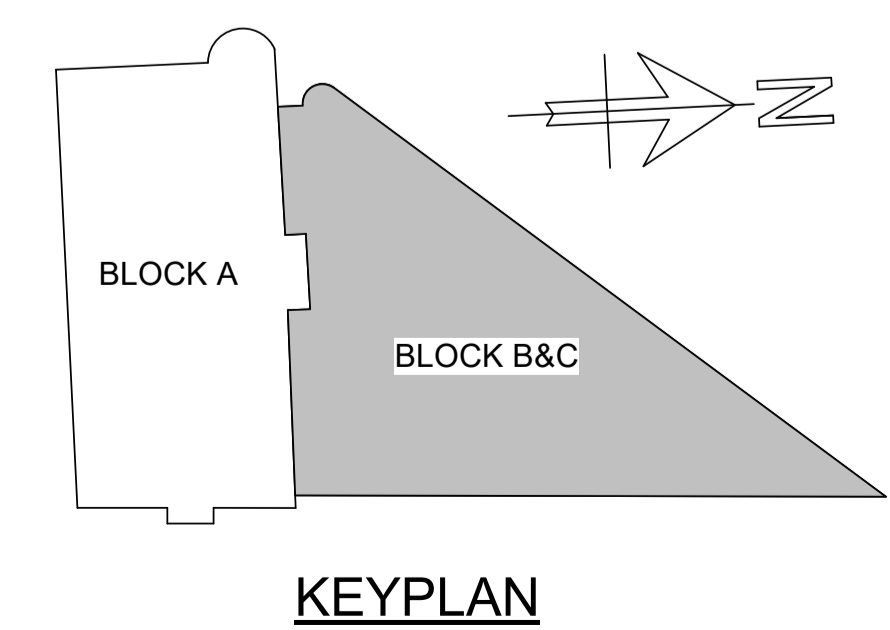


**BLOCKS B & C
GROUND FLOOR GA**

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	OCT'22	JC
Drawing No:			Rev:
4217-RAM-ZZ-00-DR-S-00101			P02



PLAN 00 1:100 S-00205
BLOCK B&C - LEVEL 00



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- FOR MEMBER SCHEDULES REFER TO DRAWING No. 4217-RAM-ZZ-XX-DR-S-0015 & S-0016
- SEPERATE ALLOWANCES TO BE MADE FOR THE FOLLOWING:
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 - FAÇADE FIXINGS
 - TRANSFER BEAMS
 - STIFFENER PLATES AROUND BEAM WEB OPENINGS
 - STEEL COLUMNS

LEGEND

- ← DENOTES SPAN DIRECTION OF 140mm THICK COMPOSITE METAL DECK SLAB (WITH 75mm SCREED) ON SMD TR60+ 1.0 GAUGE METAL DECKING
- ↔ DENOTES SPAN DIRECTION OF 140mm THICK COMPOSITE METAL DECK SLAB ON SMD TR60 + 1.0 GAUGE METAL DECKING
- ▶ DENOTES MOMENT CONNECTION
- TIMBER INFILL

INABEYANCE / TO BE CONFIRMED

- BUILDERSWORK HOLES
- UPSTANDS
- MOMENT CONNECTION
- OPTIMISATION OF STEELWORK FOR FIRE DESIGN

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- ⓘ INDICATES A RESIDUAL RISK FOR INFORMATION
- ⊘ INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION
- ⚠ INDICATES A RESIDUAL RISK AS A WARNING

P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
			Chk	

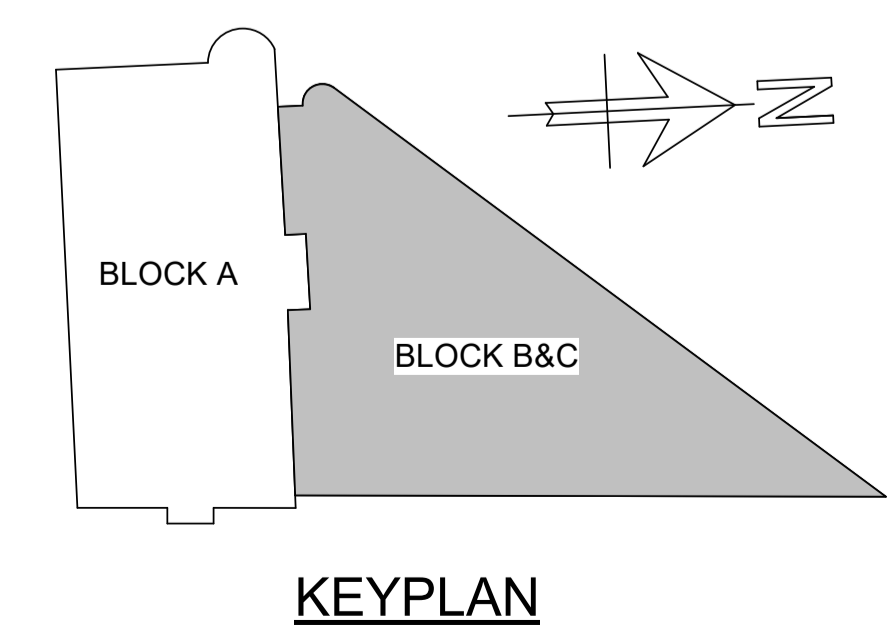
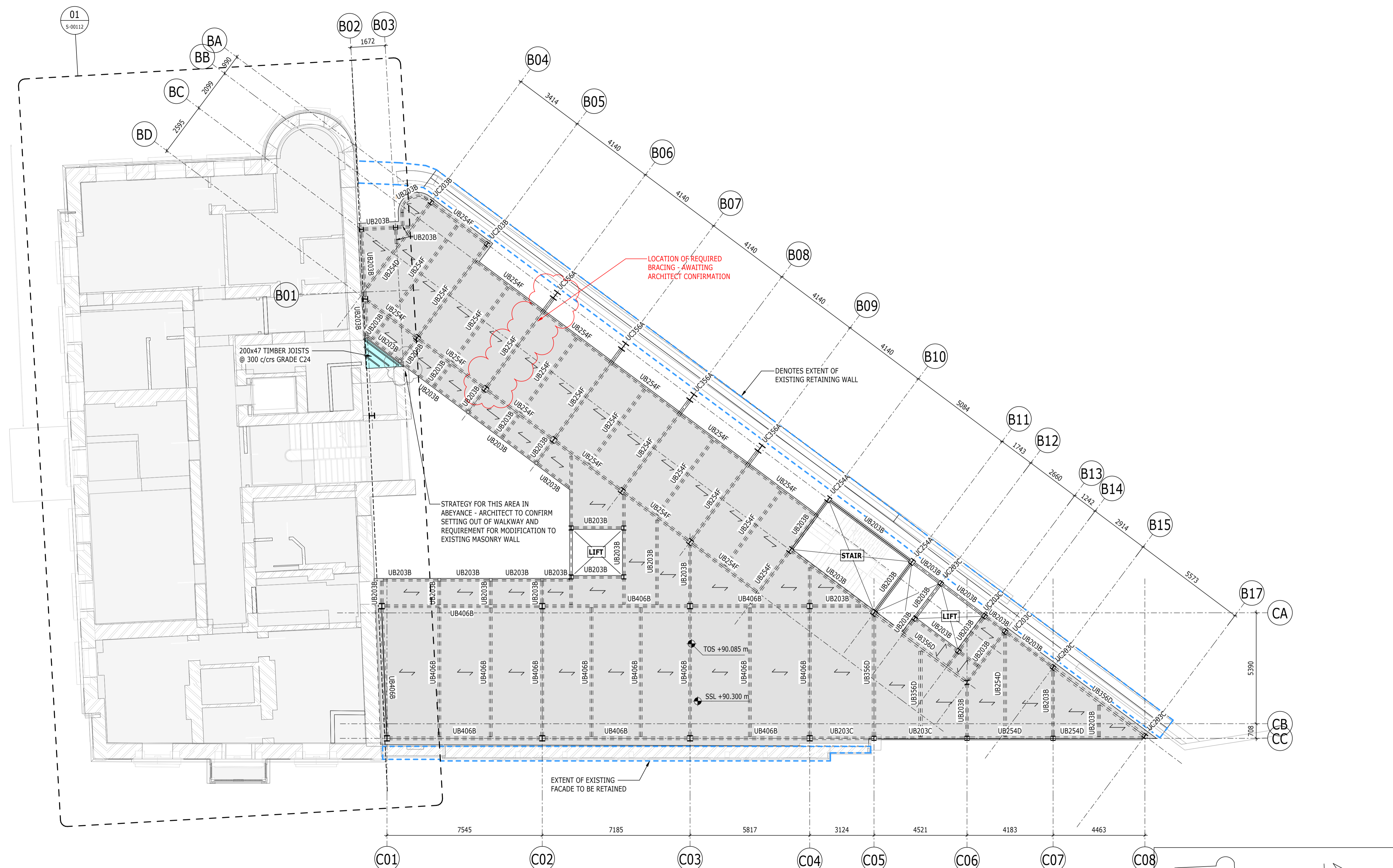
S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



BLOCKS B & C
FIRST FLOOR GA

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	OCT'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-01-DR-S-00102	P02		



PLAN 01
1 : 100
BLOCK B&C - LEVEL 01

- NOTES**
- DO NOT SCALE FROM THIS DRAWING.
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 - ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM U.N.O.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
 - FOR GENERAL NOTES DRAWING REFER TO DRAWING No. 4217-RAM-ZZ-XX-DR-S-0010
 - FOR MEMBER SCHEDULES REFER TO DRAWING No. 4217-RAM-ZZ-XX-DR-S-0015 & S-0016
 - SEPERATE ALLOWANCES TO BE MADE FOR THE FOLLOWING:
 - ALL STEEL TO STEEL AND STEEL TO CONCRETE CONNECTIONS AND SPLICES
 - FAÇADE FIXINGS
 - TRANSFER BEAMS
 - STIFFENER PLATES AROUND BEAM WEB OPENINGS
 - STEEL COLUMNS
- LEGEND**
- ← DENOTES SPAN DIRECTION OF 140mm THICK COMPOSITE METAL DECK SLAB (WITH 75mm SCREED) ON SMD TR60+ 1.0 GAUGE METAL DECKING
 - ↔ DENOTES SPAN DIRECTION OF 140mm THICK COMPOSITE METAL DECK SLAB ON SMD TR60 + 1.0 GAUGE METAL DECKING
 - ▶ DENOTES MOMENT CONNECTION
 - TIMBER INFILL
- INABEYANCE / TO BE CONFIRMED**
- BUILDERSWORK HOLES
 - UPSTANDS
 - MOMENT CONNECTION
 - OPTIMISATION OF STEELWORK FOR FIRE DESIGN
- DIMENSIONS AND SETTING OUT TO BE CONFIRMED BY ARCHITECT**

THESE NOTES ARE BASED ON THE USE OF EXPERIENCED AND COMPETENT CONTRACTORS CARRYING OUT THE WORK USING AN APPROVED SAFE METHOD OF WORKING

WHERE RAMBOLL CDM HAZARD SYMBOLS (SUMMARIZED BELOW) ARE FOUND ON THE DRAWINGS, REFERENCE MUST BE MADE TO XXXX-XXX-XX-XX-X-XXXX. CHECK THE UNIQUE CDM ID IN THE TEXT NEXT TO THE SYMBOL FORMATTED: RAM-###

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P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
			Chk	

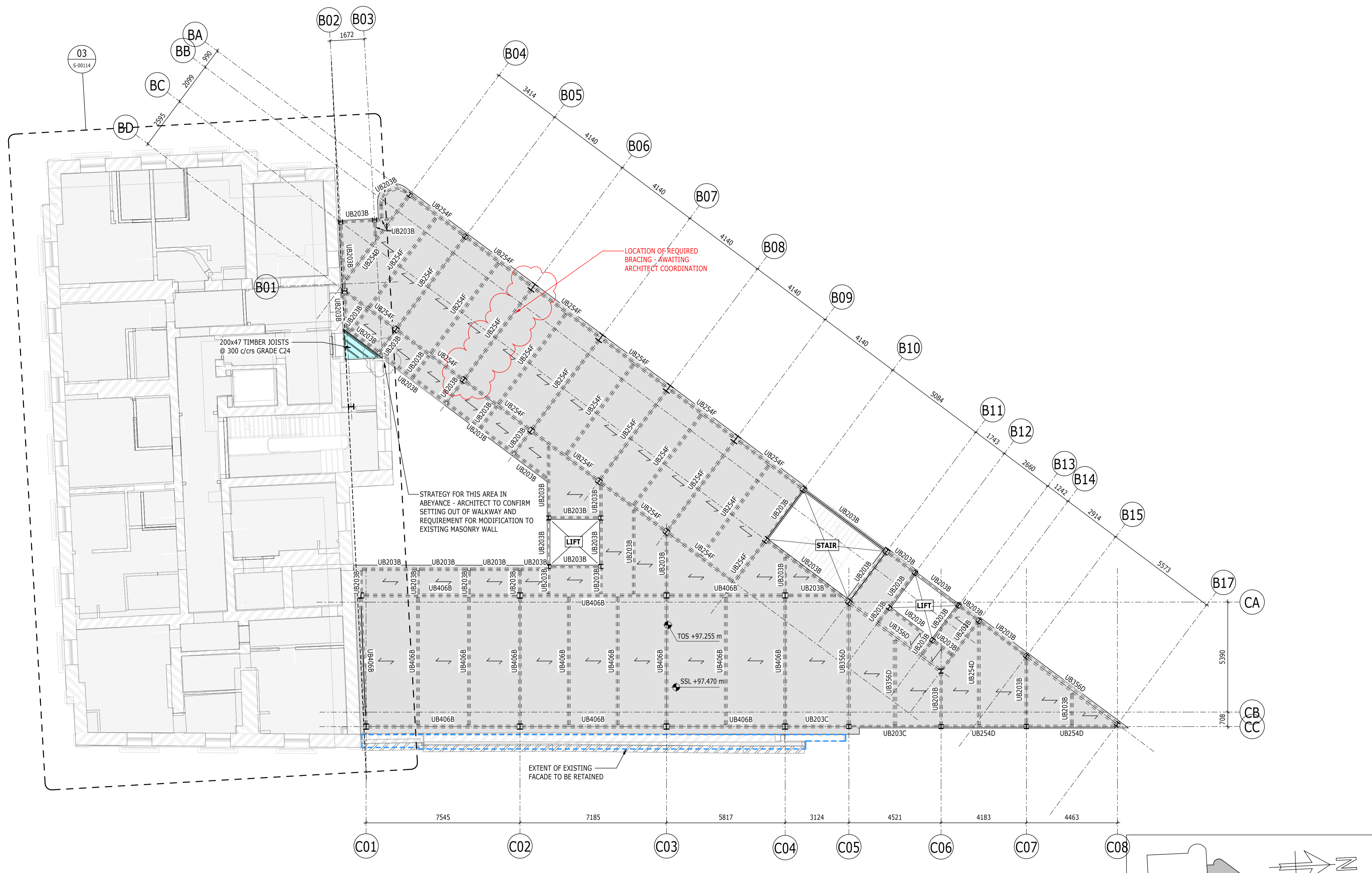
S3 - FOR REVIEW AND COMMENT

**THE GEORGE HOTEL
HUDDERSFIELD**

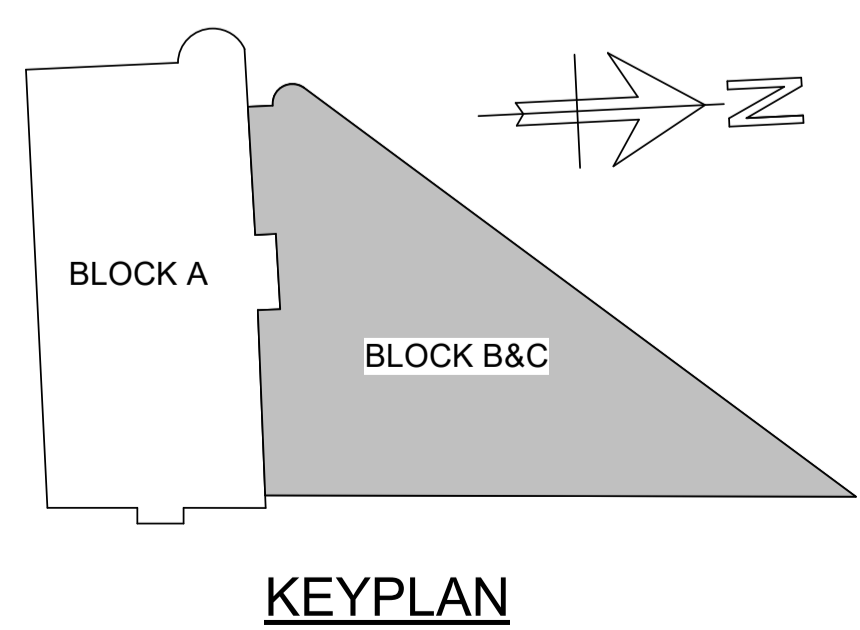


**BLOCKS B & C
THIRD FLOOR GA**

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	OCT'22	JC
Drawing No:			Rev:
4217-RAM-ZZ-03-DR-S-00104			P02



PLAN 03
1 : 100
BLOCK B&C - LEVEL 03



KEYPLAN

NOTES

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- FOR MEMBER SCHEDULES REFER TO DRAWING No. 4217-RAM-ZZ-XX-DR-S-0015 & S-0016
- SEPERATE ALLOWANCES TO BE MADE FOR THE FOLLOWING:
 - ALL STEEL TO STEEL AND STEEL TO CONCRETE CONNECTIONS AND SPLICES
 - FAÇADE FIXINGS
 - TRANSFER BEAMS
 - STIFFENER PLATES AROUND BEAM WEB OPENINGS
 - STEEL COLUMNS

LEGEND

- ← DENOTES SPAN DIRECTION OF 140mm THICK COMPOSITE METAL DECK SLAB (WITH 75mm SCREED) ON SMD TR60+ 1.0 GAUGE METAL DECKING
- ↔ DENOTES SPAN DIRECTION OF 140mm THICK COMPOSITE METAL DECK SLAB ON SMD TR60 + 1.0 GAUGE METAL DECKING
- ▶ DENOTES MOMENT CONNECTION
- TIMBER INFILL

INABEYANCE / TO BE CONFIRMED

- BUILDERSWORK HOLES
- UPSTANDS
- MOMENT CONNECTION
- OPTIMISATION OF STEELWORK FOR FIRE DESIGN

DIMENSIONS AND SETTING OUT TO BE CONFIRMED BY ARCHITECT

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P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
			JC	

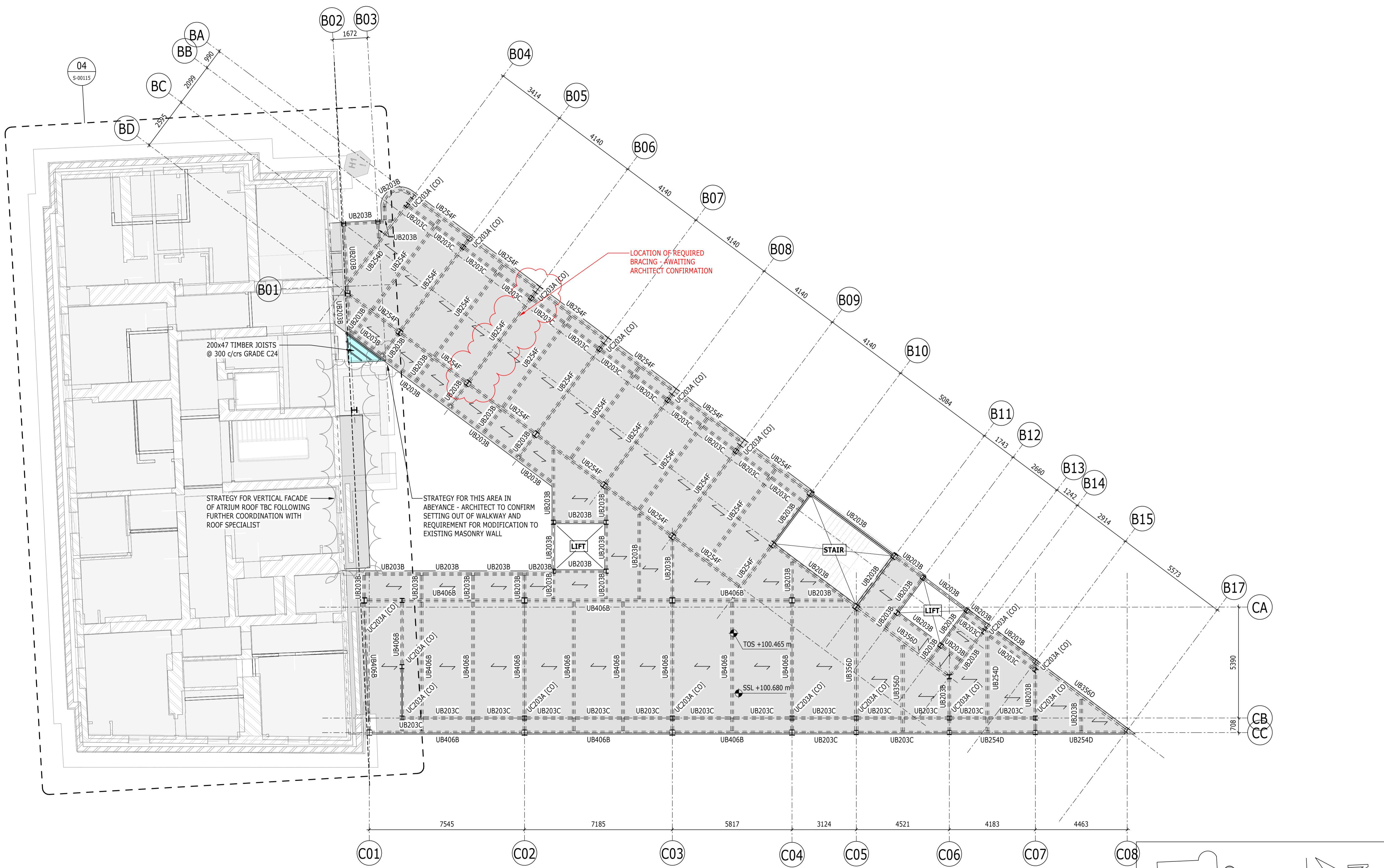
S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL HUDDERSFIELD



BLOCKS B & C FOURTH FLOOR GA

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	OCT'22	JC
Drawing No:			Rev:
4217-RAM-ZZ-04-DR-S-00105			P02



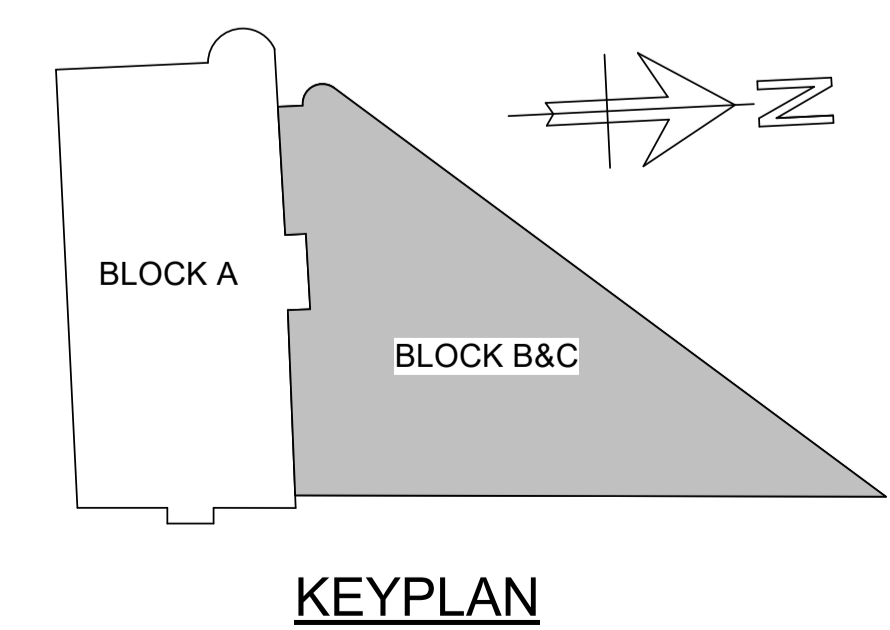
200x47 TIMBER JOISTS @ 300 c/crs GRADE C24

STRATEGY FOR VERTICAL FACADE OF ATRIUM ROOF TBC FOLLOWING FURTHER COORDINATION WITH ROOF SPECIALIST

STRATEGY FOR THIS AREA IN ABEYANCE - ARCHITECT TO CONFIRM SETTING OUT OF WALKWAY AND REQUIREMENT FOR MODIFICATION TO EXISTING MASONRY WALL

LOCATION OF REQUIRED BRACING - AWAITING ARCHITECT CONFIRMATION

PLAN 04
1 : 100
BLOCK B&C - LEVEL 04



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 - TRANSFER BEAMS
 - STIFFENER PLATES AROUND BEAM WEB OPENINGS
 - STEEL COLUMNS

LEGEND

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- ▶ DENOTES MOMENT CONNECTION
- TIMBER INFILL

INABEYANCE / TO BE CONFIRMED

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- UPSTANDS
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P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
			Chk	

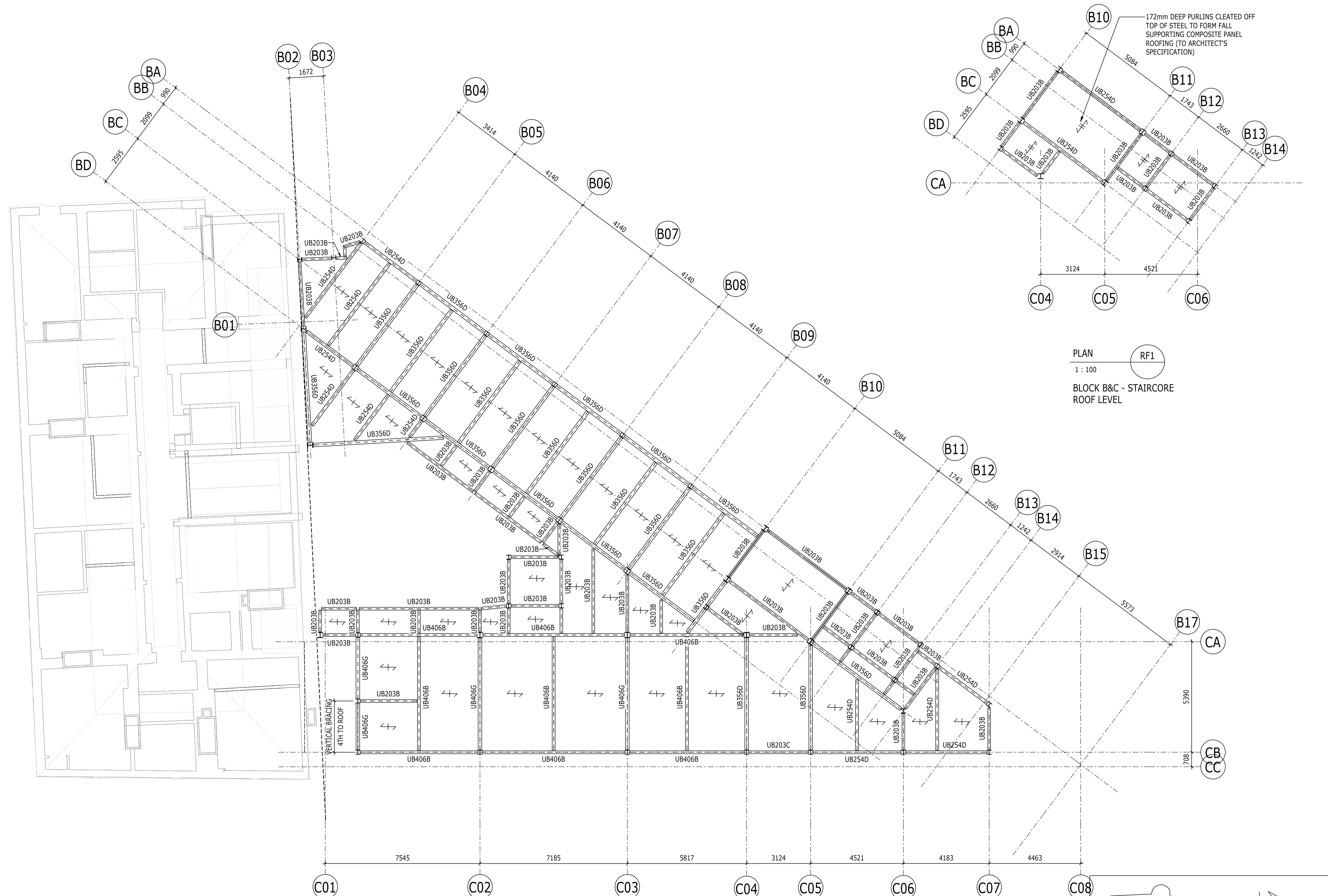
S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



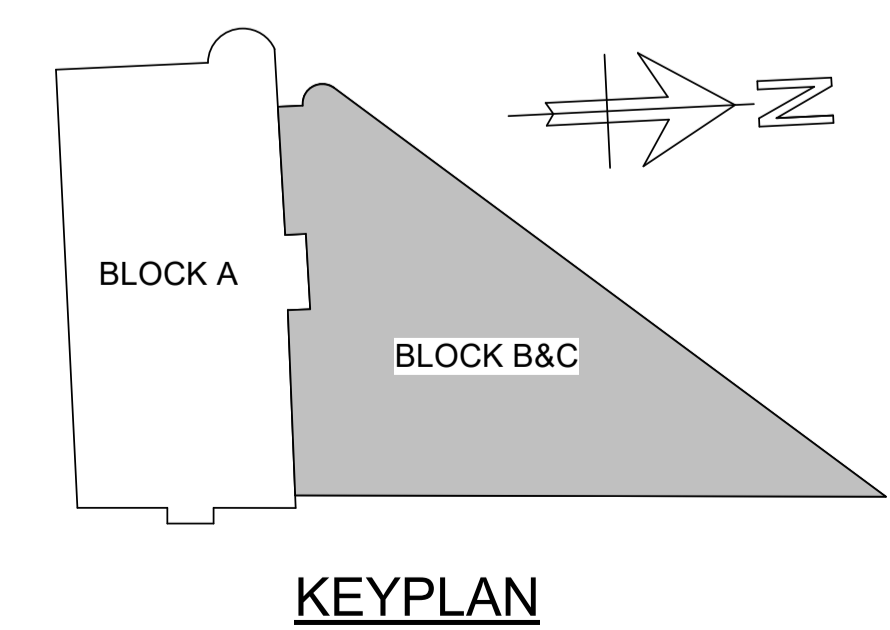
BLOCKS B & C
ROOF GA

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	OCT'22	JC
Drawing No:			Rev:
4217-RAM-ZZ-RF-DR-S-00106			P02



PLAN RF1
1 : 100
BLOCK B&C - STAIRCORE
ROOF LEVEL

PLAN RF
1 : 100 S-001116
BLOCK B&C - RF LEVEL



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- KEY TO SYMBOLS
- DENOTES NEW STRUCTURAL BEAM OVER OPENING
 - ▨ DENOTES MASONRY INFILL TO EXISTING LOAD BEARING MASONRY WALL
 - DENOTES NEW OPENING TO EXISTING LOAD BEARING MASONRY WALL
 - DENOTES LOCATION OF PADSTONE. FOR DETAILS SEE DRAWING S-0000.
 - DENOTES AREA OF NEW TIMBER FLOOR CONSTRUCTION. SEE PLAN FOR JOIST SIZES
 - DENOTES AREA OF BASEMENT SLAB TO BE LOWERED
 - DENOTES NEW OPENING AT LOCATION OF EXISTING WINDOW OPENING
 - DENOTES EXISTING LOAD BEARING MASONRY WALL TO BE UNDERPINNED
 - DENOTES TIE

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PO2	PLANNING & LBC ISSUE	16/12/2022	JC	PM
PO1	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
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S3 - FOR REVIEW AND COMMENT

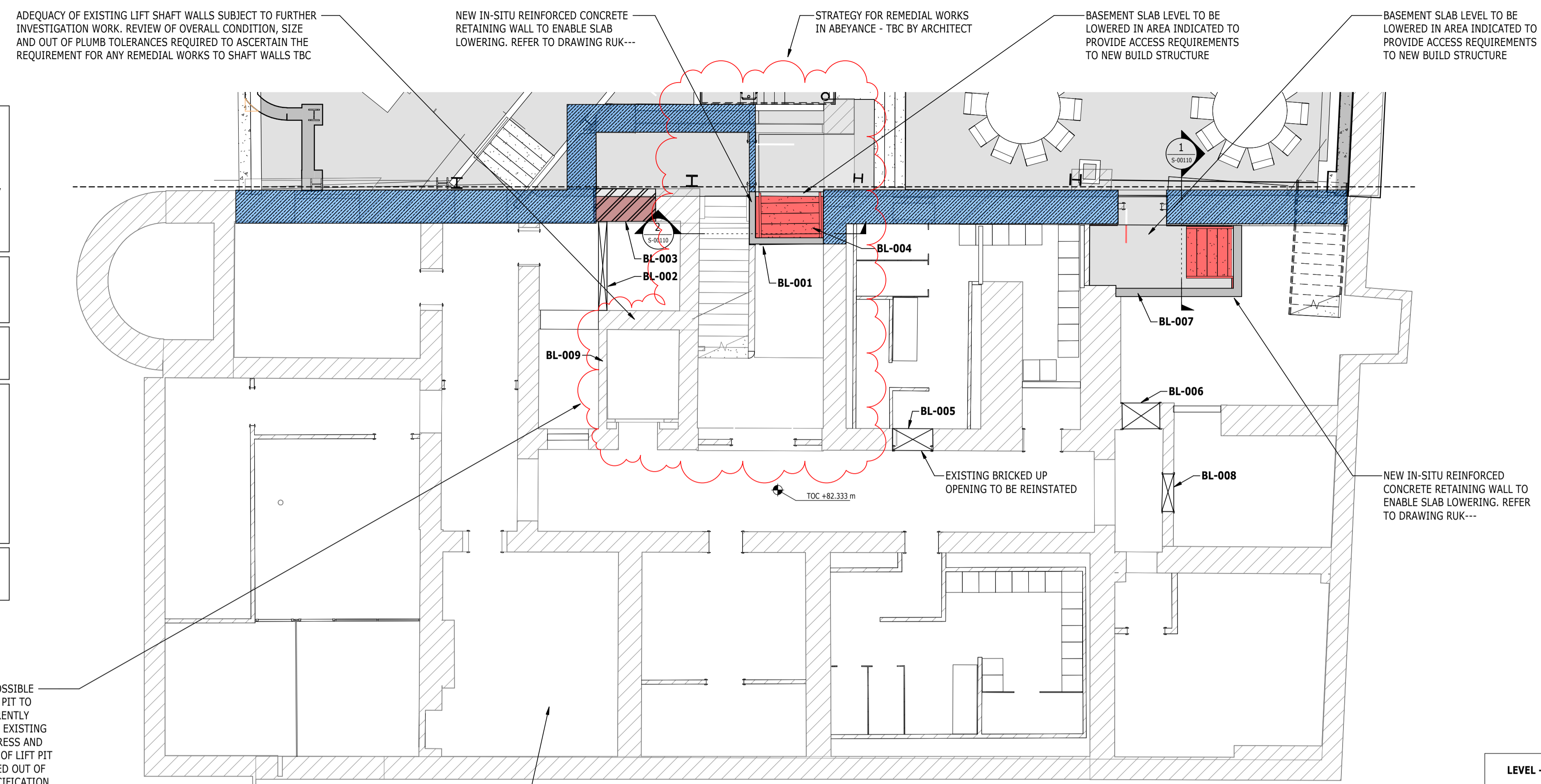
THE GEORGE HOTEL
HUDDERSFIELD

RAMBOLL

tel 01244 311855 chester@ramboll.co.uk
www.ramboll.co.uk

BLOCK A BASEMENT GA

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-B1-DR-S-00110	P02		



PLAN
1 : 75
BLOCK A - LEVEL B1

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY STABILITY OF THE WORKS AND ANY OTHER BUILDINGS, STRUCTURES, EXCAVATIONS OR FEATURES AFFECTED BY THE WORKS. THE CONTRACTOR SHALL ENSURE NO PART OF THE WORKS AND ANY OTHER BUILDINGS, STRUCTURES OR FEATURES AFFECTED BY THE WORKS ARE OVERSTRESSED OR DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES.

STRUCTURAL STEELWORK SHOWN ON PLAN INDICATIVELY. IT SHOULD BE NOTED THAT STEELWORK TO BE ABOVE THE LEVEL OF THE PROPOSED OPENING.

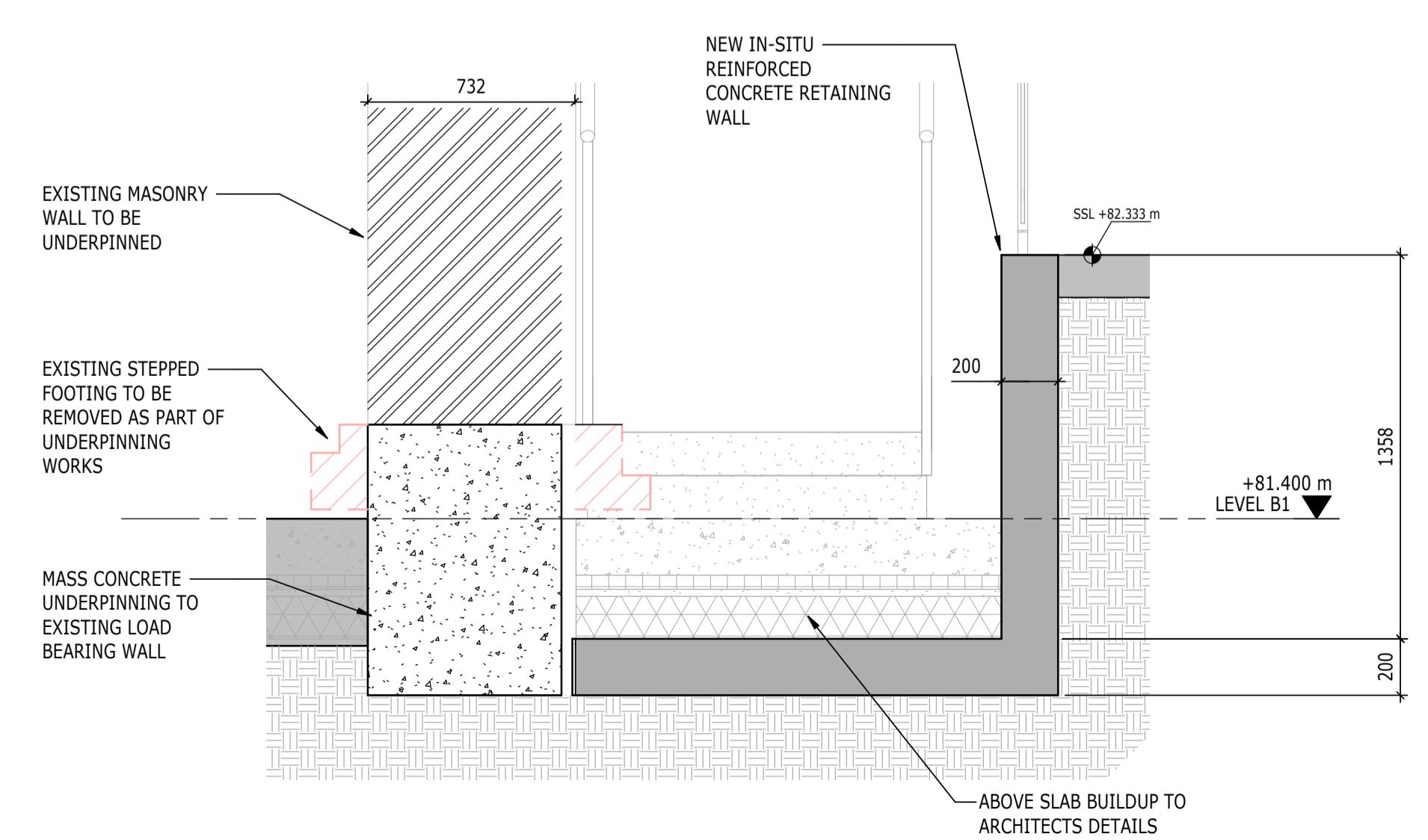
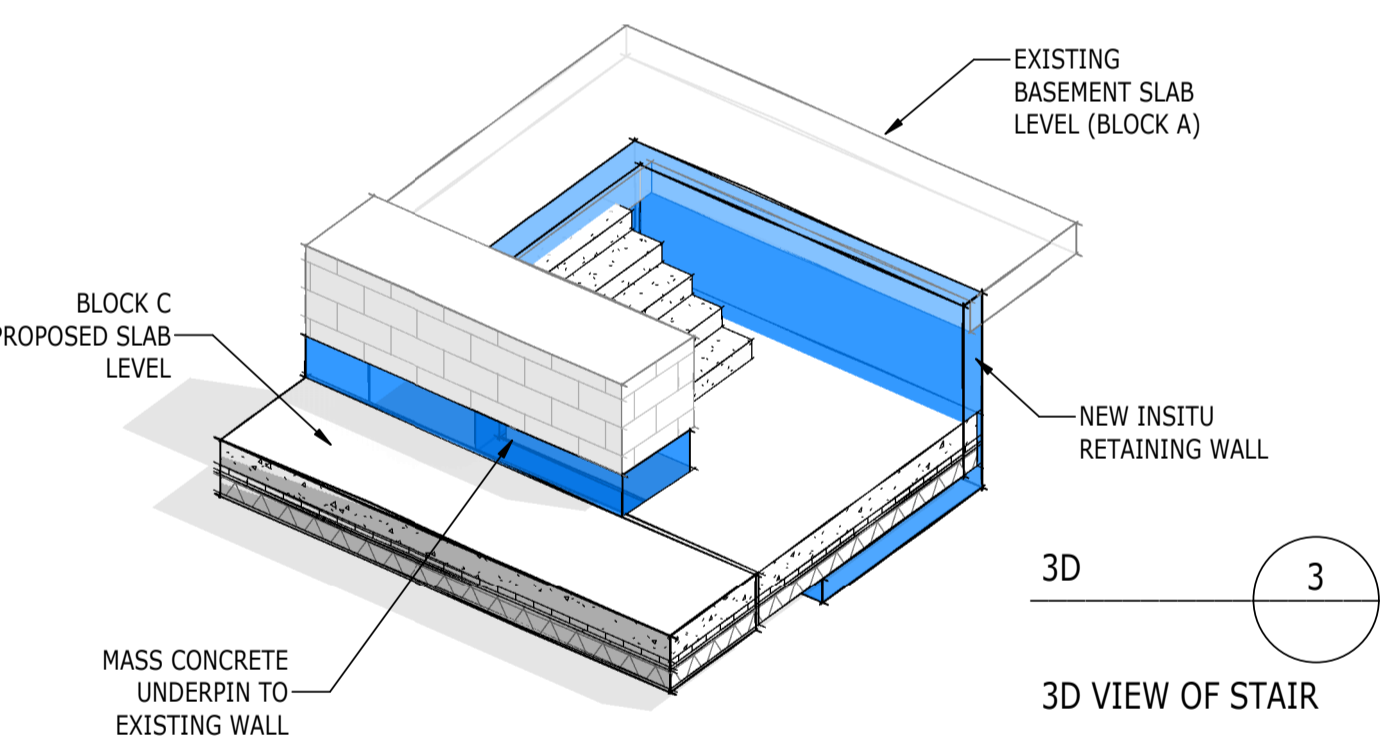
BASEMENT FLOOR SLAB REPLACEMENT STRATEGY AND ASSOCIATED WATERPROOFING/MOISTURE CONTROL TO BE CONFIRMED BY THE ARCHITECT

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT RAMBOLL DEMOLITION DRAWINGS:

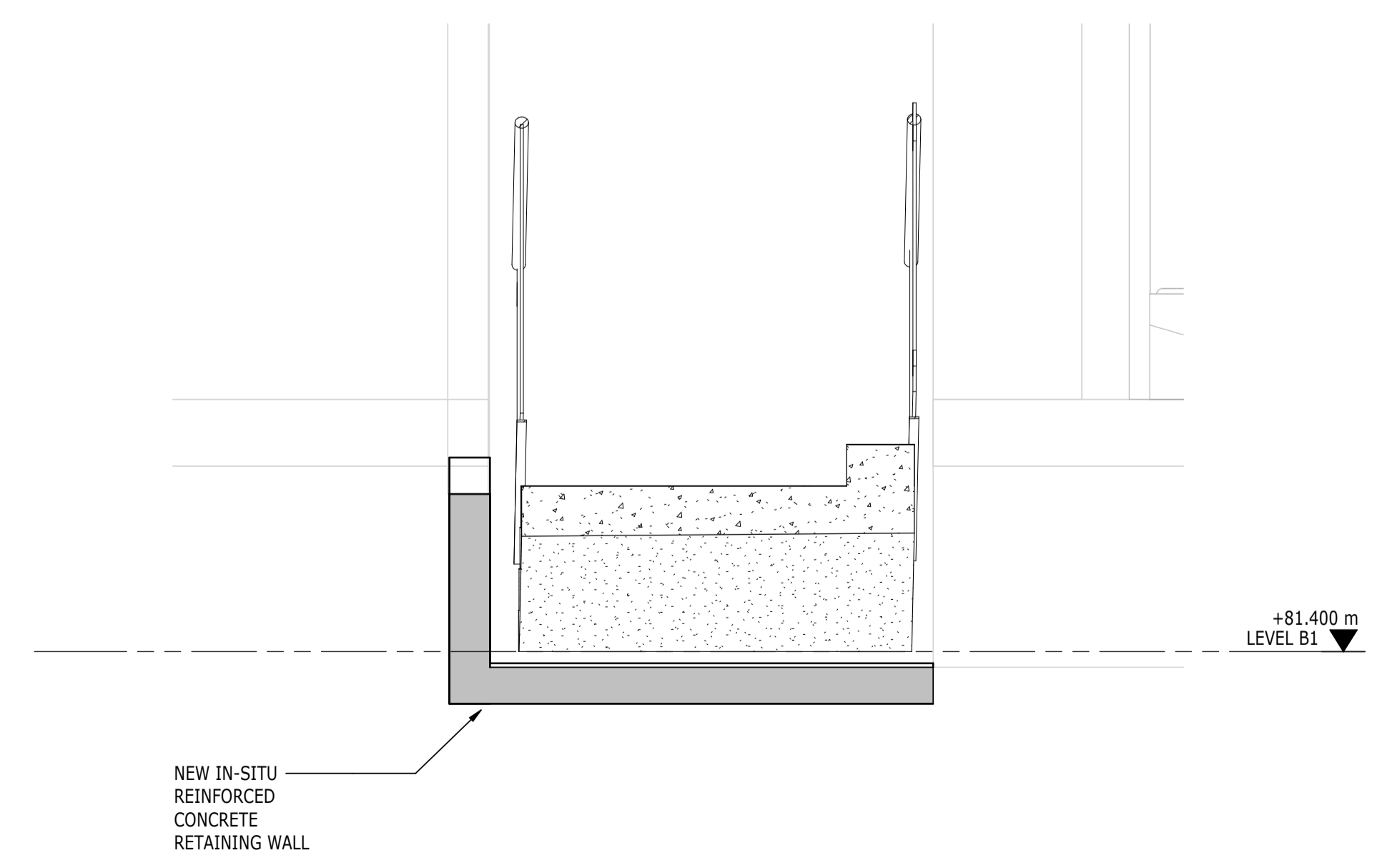
4217-RAM-ZZ-B1-DR-S-00160
4217-RAM-ZZ-00-DR-S-00161
4217-RAM-ZZ-01-DR-S-00162
4217-RAM-ZZ-02-DR-S-00163
4217-RAM-ZZ-03-DR-S-00164
4217-RAM-ZZ-04-DR-S-00165
4217-RAM-ZZ-RF-DR-S-00166

SIZE AND SETTING OUT OF ALL BUILDERSWORK OPENINGS TO BE CONFIRMED BY ARCHITECT AND MECHANICAL ENGINEER

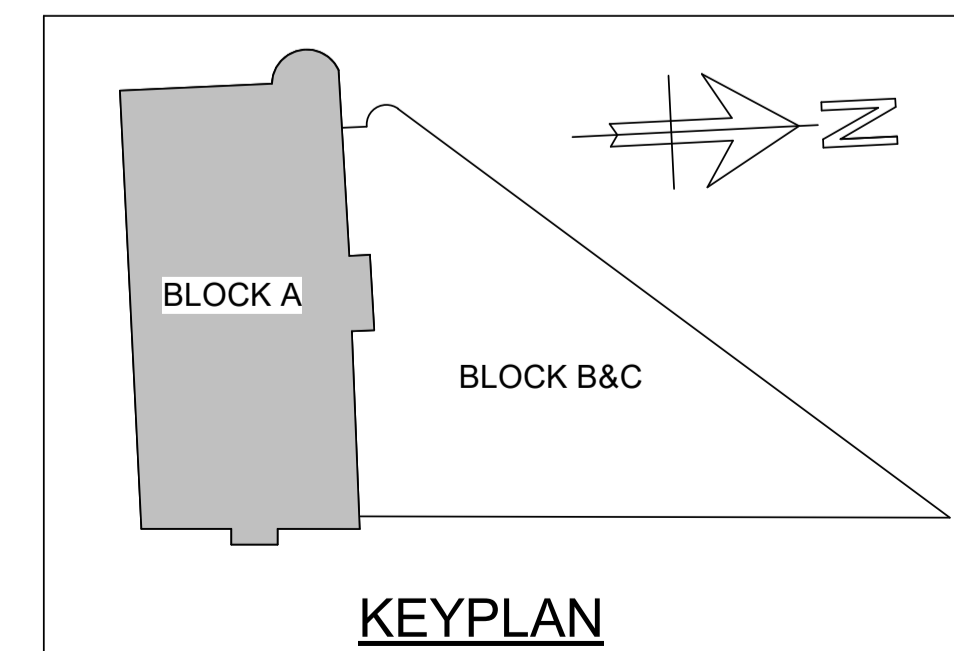
LIFT PIT REQUIREMENTS TBC BY LIFT SPECIALIST. POSSIBLE REQUIREMENT TO MODIFY OR CONSTRUCT NEW LIFT PIT TO MEET INSTALLATION REQUIREMENTS. LIFT CAR CURRENTLY INSTALLED SO THE CONDITION AND GEOMETRY TBC. EXISTING SHAFT HAS BEEN SUBJECT TO HISTORIC WATER INGRESS AND THEREFORE LIFT PIT IS FULL OF WATER. CONDITION OF LIFT PIT TO BE ASSESSED ONCE THE WATER HAS BEEN PUMPED OUT OF THE PIT AND THERE IS SAFE ACCESS, PRIOR TO SPECIFICATION OF ANY REMEDIAL WORKS. IF THERE IS SIGNIFICANT DETERIORATION, THE LIFT PIT AND/OR SHAFT MAY HAVE TO BE REPLACED.



DETAIL 1
1 : 20



DETAIL 2
1 : 20



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- KEY TO SYMBOLS
- Denotes NEW STRUCTURAL BEAM OVER OPENING
 - Denotes MASONRY INFILL TO EXISTING LOAD BEARING MASONRY WALL
 - Denotes NEW OPENING TO EXISTING LOAD BEARING MASONRY WALL
 - Denotes LOCATION OF PADSTONE. FOR DETAILS SEE DRAWING S-0000.
 - Denotes AREA OF NEW TIMBER FLOOR CONSTRUCTION. SEE PLAN FOR JOIST SIZES
 - Denotes AREA OF BASEMENT SLAB TO BE LOWERED
 - Denotes NEW OPENING AT LOCATION OF EXISTING WINDOW OPENING
 - Denotes EXISTING LOAD BEARING MASONRY WALL TO BE UNDERPINNED
 - Denotes TIE

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P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
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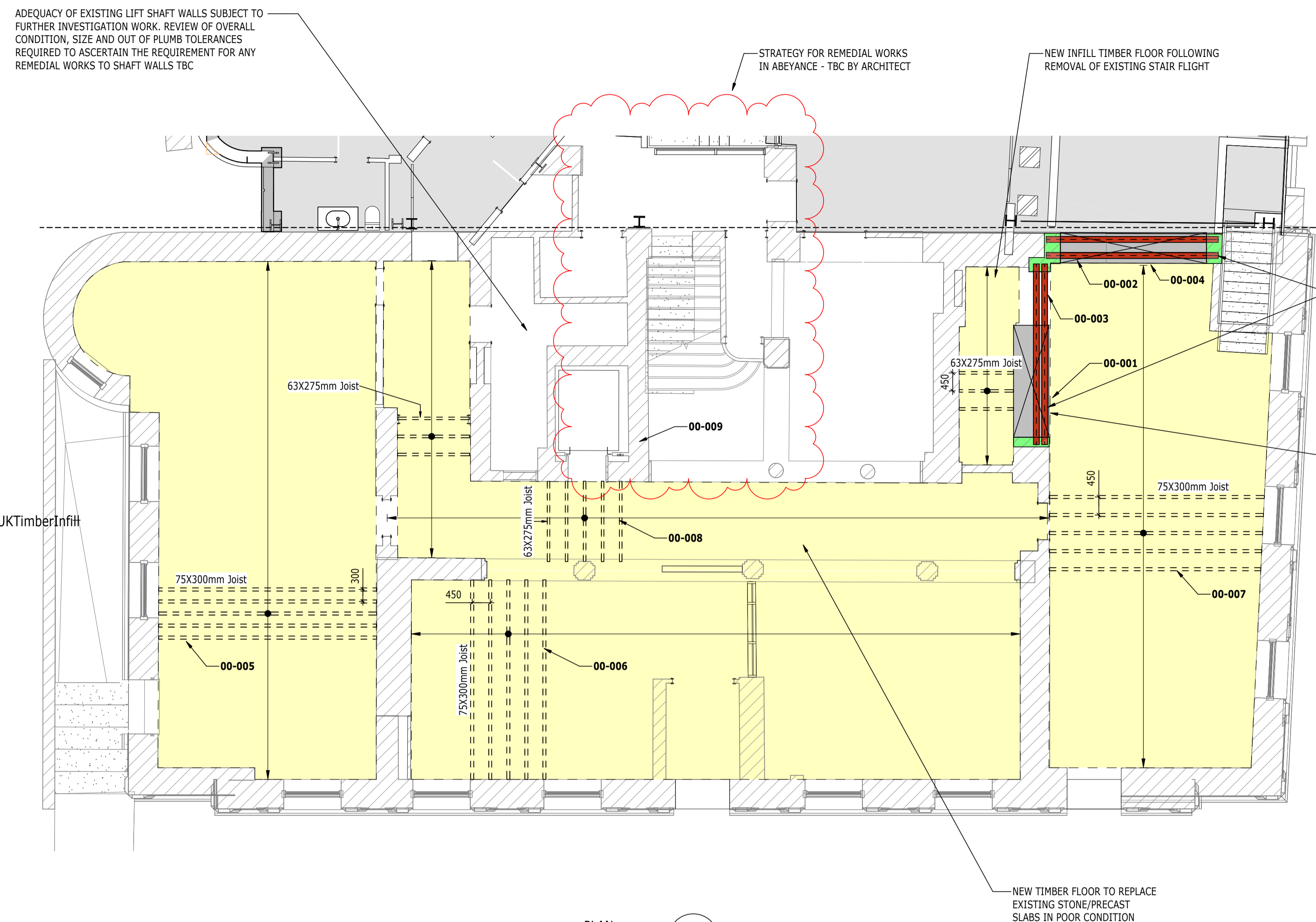
S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



BLOCK A
GROUND FLOOR GA

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-00-DR-S-00111	P02		



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STRUCTURAL STEELWORK SHOWN ON PLAN INDICATIVELY. IT SHOULD BE NOTED THAT STEELWORK TO BE ABOVE THE LEVEL OF THE PROPOSED OPENING.

BASEMENT FLOOR SLAB REPLACEMENT STRATEGY AND ASSOCIATED WATERPROOFING/MOISTURE CONTROL TO BE CONFIRMED BY THE ARCHITECT

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT RAMBOLL DEMOLITION DRAWINGS:

- 4217-RAM-ZZ-B1-DR-S-00160
- 4217-RAM-ZZ-00-DR-S-00161
- 4217-RAM-ZZ-01-DR-S-00162
- 4217-RAM-ZZ-02-DR-S-00163
- 4217-RAM-ZZ-03-DR-S-00164
- 4217-RAM-ZZ-04-DR-S-00165
- 4217-RAM-ZZ-RF-DR-S-00166

SIZE AND SETTING OUT OF ALL BUILDERSWORK OPENINGS TO BE CONFIRMED BY ARCHITECT AND MECHANICAL ENGINEER

ADEQUACY OF EXISTING LIFT SHAFT WALLS SUBJECT TO FURTHER INVESTIGATION WORK. REVIEW OF OVERALL CONDITION, SIZE AND OUT OF PLUMB TOLERANCES REQUIRED TO ASCERTAIN THE REQUIREMENT FOR ANY REMEDIAL WORKS TO SHAFT WALLS TBC

STRATEGY FOR REMEDIAL WORKS IN ABEYANCE - TBC BY ARCHITECT

NEW INFILL TIMBER FLOOR FOLLOWING REMOVAL OF EXISTING STAIR FLIGHT

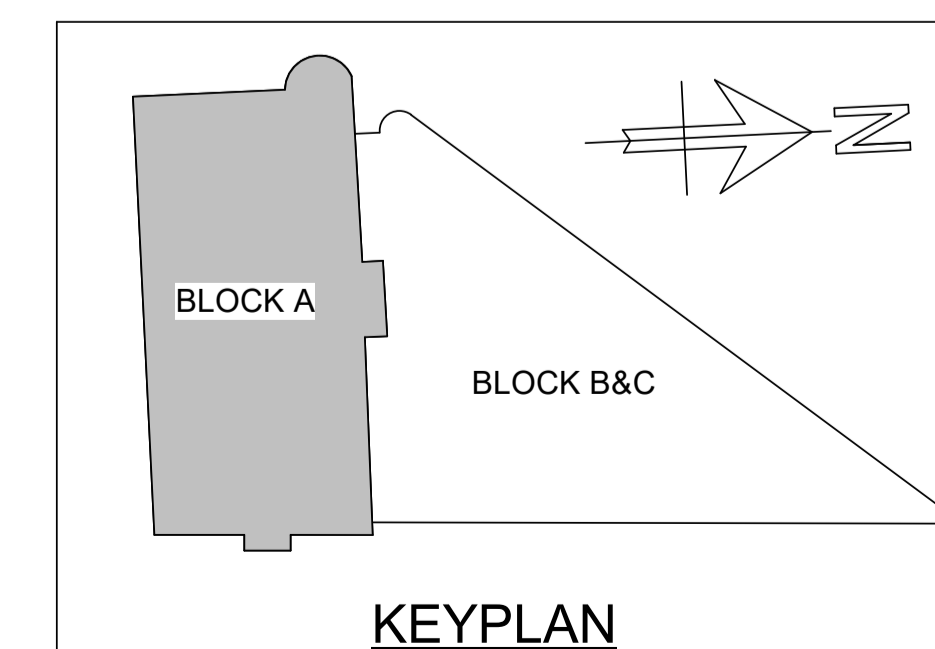
NEW STEEL BEAMS TO SUPPORT LOAD BEARING MASONRY ABOVE OPENING

EXISTING MASONRY PIER CUT BACK

NEW TIMBER FLOOR TO REPLACE EXISTING STONE/PRECAST SLABS IN POOR CONDITION

PLAN 00
1 : 75 S-00101
BLOCK A - LEVEL 00

LEVEL 00 - BLOCK A STRUCTURAL INTERVENTION SCHEDULE		
REFERENCE	DESCRIPTION OF INTERVENTION	APPLICABLE DETAIL
00-001	NEW STRUCTURAL OPENING IN EXISTING LOAD BEARING MASONRY WALL	4217-RAM-ZZ-DR-S-00500 & 4217-RAM-ZZ-DR-S-00501
00-002	NEW SUPPORT STEEL OVER OPENING TO SUPPORT EXISTING LOAD BEARING MASONRY WALL	4217-RAM-ZZ-DR-S-00500 & 4217-RAM-ZZ-DR-S-00501
00-003	NEW SUPPORT STEEL OVER OPENING TO SUPPORT EXISTING LOAD BEARING MASONRY WALL	4217-RAM-ZZ-DR-S-00500 & 4217-RAM-ZZ-DR-S-00501
00-004	NEW STRUCTURAL OPENING IN EXISTING LOAD BEARING MASONRY WALL	4217-RAM-ZZ-DR-S-00500 & 4217-RAM-ZZ-DR-S-00501
00-005	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-DR-S-00560
00-006	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-DR-S-00560
00-007	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-DR-S-00560
00-008	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-DR-S-00560
00-009	LIFT WORKS TBC. ALLOW FOR FULL REPLACEMENT OF MASONRY LIFT SHAFT WALLS	TBC



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KEY TO SYMBOLS

- DENOTES NEW STRUCTURAL BEAM OVER OPENING
- DENOTES MASONRY INFILL TO EXISTING LOAD BEARING MASONRY WALL
- DENOTES NEW OPENING TO EXISTING LOAD BEARING MASONRY WALL
- DENOTES LOCATION OF PADSTONE. FOR DETAILS SEE DRAWING S-0000.
- DENOTES AREA OF NEW TIMBER FLOOR CONSTRUCTION. SEE PLAN FOR JOIST SIZES
- DENOTES AREA OF BASEMENT SLAB TO BE LOWERED
- DENOTES NEW OPENING AT LOCATION OF EXISTING WINDOW OPENING
- DENOTES EXISTING LOAD BEARING MASONRY WALL TO BE UNDERPINNED
- DENOTES TIE

THESE NOTES ARE BASED ON THE USE OF EXPERIENCED AND COMPETENT CONTRACTORS CARRYING OUT THE WORK USING AN APPROVED SAFE METHOD OF WORKING

WHERE RAMBOLL CDM HAZARD SYMBOLS (SUMMARIZED BELOW) ARE FOUND ON THE DRAWINGS, REFERENCE MUST BE MADE TO XXXX-XXX-XX-XX-X-XXXX. CHECK THE UNIQUE CDM ID IN THE TEXT NEXT TO THE SYMBOL FORMATTED: RAM-###

- INDICATES A RESIDUAL RISK REQUIRING A COMPULSORY ACTION
- ⓘ INDICATES A RESIDUAL RISK FOR INFORMATION
- ⊘ INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION
- ⚠ INDICATES A RESIDUAL RISK AS A WARNING

P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



tel 01244 311855 chester@ramboll.co.uk
www.ramboll.co.uk

BLOCK A
FIRST FLOOR GA

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	NOV'22	JC
Drawing No:			Rev:
4217-RAM-ZZ-01-DR-S-00112			P02

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY STABILITY OF THE WORKS AND ANY OTHER BUILDINGS, STRUCTURES, EXCAVATIONS OR FEATURES AFFECTED BY THE WORKS. THE CONTRACTOR SHALL ENSURE NO PART OF THE WORKS AND ANY OTHER BUILDINGS, STRUCTURES OR FEATURES AFFECTED BY THE WORKS ARE OVERSTRESSED OR DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES.

STRUCTURAL STEELWORK SHOWN ON PLAN INDICATIVELY. IT SHOULD BE NOTED THAT STEELWORK TO BE ABOVE THE LEVEL OF THE PROPOSED OPENING.

BASEMENT FLOOR SLAB REPLACEMENT STRATEGY AND ASSOCIATED WATERPROOFING/MOISTURE CONTROL TO BE CONFIRMED BY THE ARCHITECT

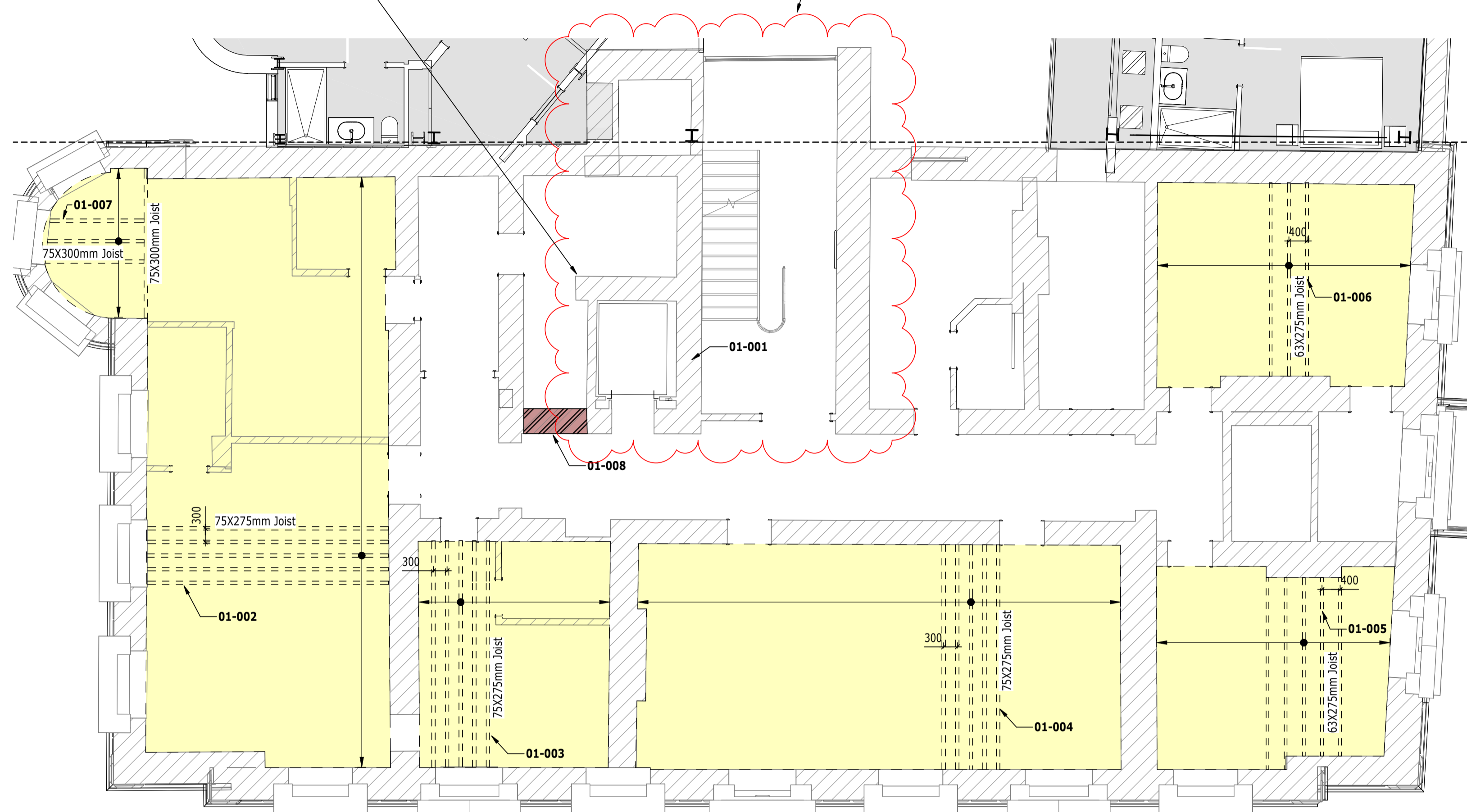
THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT RAMBOLL DEMOLITION DRAWINGS:

- 4217-RAM-ZZ-B1-DR-S-00160
- 4217-RAM-ZZ-00-DR-S-00161
- 4217-RAM-ZZ-01-DR-S-00162
- 4217-RAM-ZZ-02-DR-S-00163
- 4217-RAM-ZZ-03-DR-S-00164
- 4217-RAM-ZZ-04-DR-S-00165
- 4217-RAM-ZZ-RF-DR-S-00166

SIZE AND SETTING OUT OF ALL BUILDERSWORK OPENINGS TO BE CONFIRMED BY ARCHITECT AND MECHANICAL ENGINEER

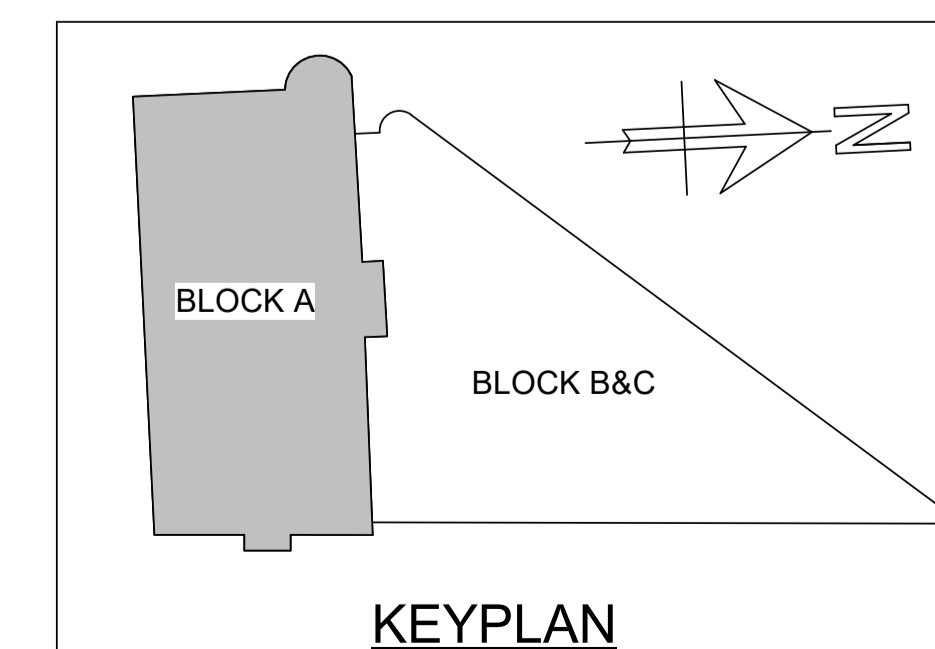
ADEQUACY OF EXISTING LIFT SHAFT WALLS SUBJECT TO FURTHER INVESTIGATION WORK. REVIEW OF OVERALL CONDITION, SIZE AND OUT OF PLUMB TOLERANCES REQUIRED TO ASCERTAIN THE REQUIREMENT FOR ANY REMEDIAL WORKS TO SHAFT WALLS TBC

STRATEGY FOR REMEDIAL WORKS IN ABEYANCE - TBC BY ARCHITECT



PLAN 01
1 : 75 S-00102
BLOCK A - LEVEL 01

LEVEL 01 - BLOCK A STRUCTURAL INTERVENTION SCHEDULE		
REFERENCE	DESCRIPTION OF INTERVENTION	APPLICABLE DETAIL
01-001	LIFT PIT WORKS TBC. ASSUME FULL REPLACED OF MASONRY SHAFT WALLS REQUIRED.	TBC
01-002	NEW TIMBER FLOORS JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-ZZ-DR-S-00560
01-003	NEW TIMBER FLOORS JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-ZZ-DR-S-00560
01-004	NEW TIMBER FLOORS JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-ZZ-DR-S-00560
01-005	NEW TIMBER FLOORS JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-ZZ-DR-S-00560
01-006	NEW TIMBER FLOORS JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-ZZ-DR-S-00560
01-007	NEW TIMBER FLOORS JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-ZZ-DR-S-00560
01-008	MASONRY INFILL OF EXISTING LOAD BEARING WALL	4217-RAM-ZZ-ZZ-DR-S-00500



NOTES

- DO NOT SCALE FROM THIS DRAWING.
- ALL DIMENSIONS ARE IN MILLIMETRES U.N.O.
- ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM U.N.O.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.

KEY TO SYMBOLS

- DENOTES NEW STRUCTURAL BEAM OVER OPENING
- DENOTES MASONRY INFILL TO EXISTING LOAD BEARING MASONRY WALL
- DENOTES NEW OPENING TO EXISTING LOAD BEARING MASONRY WALL
- DENOTES LOCATION OF PADSTONE. FOR DETAILS SEE DRAWING S-0000.
- DENOTES AREA OF NEW TIMBER FLOOR CONSTRUCTION. SEE PLAN FOR JOIST SIZES
- DENOTES AREA OF BASEMENT SLAB TO BE LOWERED
- DENOTES NEW OPENING AT LOCATION OF EXISTING WINDOW OPENING
- DENOTES EXISTING LOAD BEARING MASONRY WALL TO BE UNDERPINNED
- DENOTES TIE

THESE NOTES ARE BASED ON THE USE OF EXPERIENCED AND COMPETENT CONTRACTORS CARRYING OUT THE WORK USING AN APPROVED SAFE METHOD OF WORKING

WHERE RAMBOLL CDM HAZARD SYMBOLS (SUMMARIZED BELOW) ARE FOUND ON THE DRAWINGS, REFERENCE MUST BE MADE TO XXXX-XXX-XX-XX-X-XXXX. CHECK THE UNIQUE CDM ID IN THE TEXT NEXT TO THE SYMBOL FORMATTED: RAM-###

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P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



BLOCK A
SECOND FLOOR GA

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-02-DR-S-00113	P02		

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY STABILITY OF THE WORKS AND ANY OTHER BUILDINGS, STRUCTURES, EXCAVATIONS OR FEATURES AFFECTED BY THE WORKS. THE CONTRACTOR SHALL ENSURE NO PART OF THE WORKS AND ANY OTHER BUILDINGS, STRUCTURES OR FEATURES AFFECTED BY THE WORKS ARE OVERSTRESSED OR DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES.

STRUCTURAL STEELWORK SHOWN ON PLAN INDICATIVELY. IT SHOULD BE NOTED THAT STEELWORK TO BE ABOVE THE LEVEL OF THE PROPOSED OPENING.

BASEMENT FLOOR SLAB REPLACEMENT STRATEGY AND ASSOCIATED WATERPROOFING/MOISTURE CONTROL TO BE CONFIRMED BY THE ARCHITECT

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT RAMBOLL DEMOLITION DRAWINGS:

- 4217-RAM-ZZ-B1-DR-S-00160
- 4217-RAM-ZZ-00-DR-S-00161
- 4217-RAM-ZZ-01-DR-S-00162
- 4217-RAM-ZZ-02-DR-S-00163
- 4217-RAM-ZZ-03-DR-S-00164
- 4217-RAM-ZZ-04-DR-S-00165
- 4217-RAM-ZZ-RF-DR-S-00166

SIZE AND SETTING OUT OF ALL BUILDERSWORK OPENINGS TO BE CONFIRMED BY ARCHITECT AND MECHANICAL ENGINEER

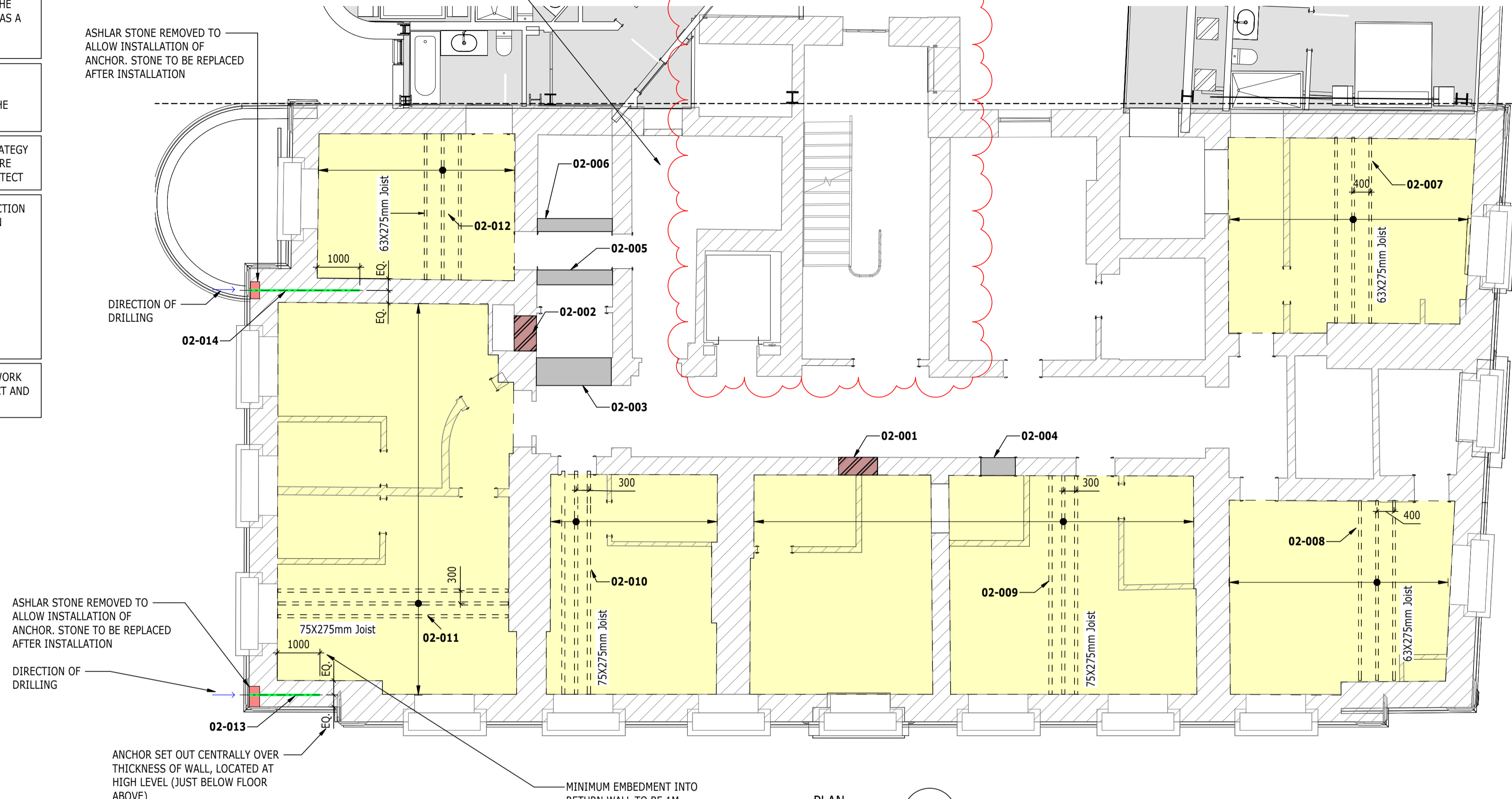
ADEQUACY OF EXISTING LIFT SHAFT WALLS SUBJECT TO FURTHER INVESTIGATION WORK. REVIEW OF OVERALL CONDITION, SIZE AND OUT OF PLUMB TOLERANCES REQUIRED TO ASCERTAIN THE REQUIREMENT FOR ANY REMEDIAL WORKS TO SHAFT WALLS TBC

STRATEGY FOR REMEDIAL WORKS IN ABEYANCE - TBC BY ARCHITECT

ASHLAR STONE REMOVED TO ALLOW INSTALLATION OF ANCHOR. STONE TO BE REPLACED AFTER INSTALLATION

ASHLAR STONE REMOVED TO ALLOW INSTALLATION OF ANCHOR. STONE TO BE REPLACED AFTER INSTALLATION

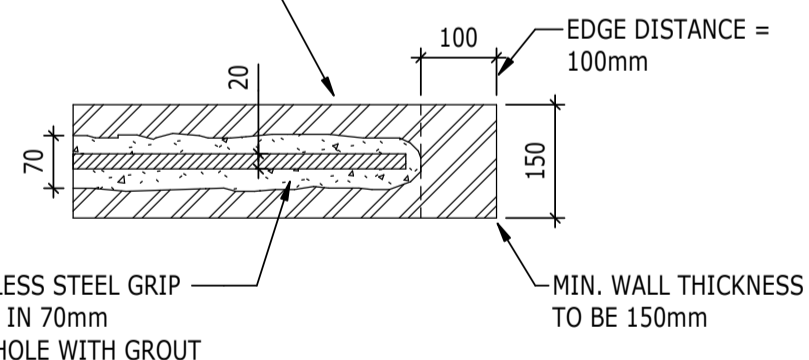
ANCHOR SET OUT CENTRALLY OVER THICKNESS OF WALL, LOCATED AT HIGH LEVEL (JUST BELOW FLOOR ABOVE)



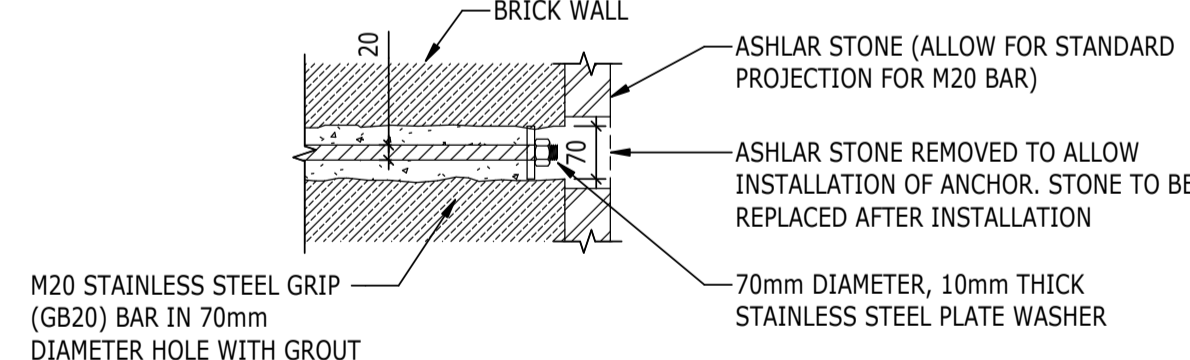
PLAN
1 : 75
BLOCK A - LEVEL 02

REFERENCE	DESCRIPTION OF INTERVENTION	APPLICABLE DETAIL
02-001	MASONRY INFILL OF EXISTING LOAD BEARING MASONRY WALL	4217-RAM-ZZ-ZZ-S-00500
02-002	MASONRY INFILL OF EXISTING LOAD BEARING MASONRY WALL	4217-RAM-ZZ-ZZ-S-00500
02-003	NEW STRUCTURAL OPENING IN EXISTING LOAD BEARING MASONRY WALL	4217-RAM-ZZ-ZZ-S-00500
02-004	NEW STRUCTURAL OPENING IN EXISTING LOAD BEARING MASONRY WALL	4217-RAM-ZZ-ZZ-S-00500
02-005	NEW STRUCTURAL OPENING IN EXISTING LOAD BEARING MASONRY WALL	4217-RAM-ZZ-ZZ-S-00500
02-006	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-ZZ-S-00560
02-007	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-ZZ-S-00560
02-008	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-ZZ-S-00560
02-009	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-ZZ-S-00560
02-010	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-ZZ-S-00560
02-011	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-ZZ-S-00560
02-012	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-ZZ-ZZ-S-00560
02-013	CINTEC (O.E.A) ANCHOR AT LOCATION OF OUTWARD MOVEMENT OF WALL	
02-014	CINTEC (O.E.A) ANCHOR AT LOCATION OF OUTWARD MOVEMENT OF WALL	

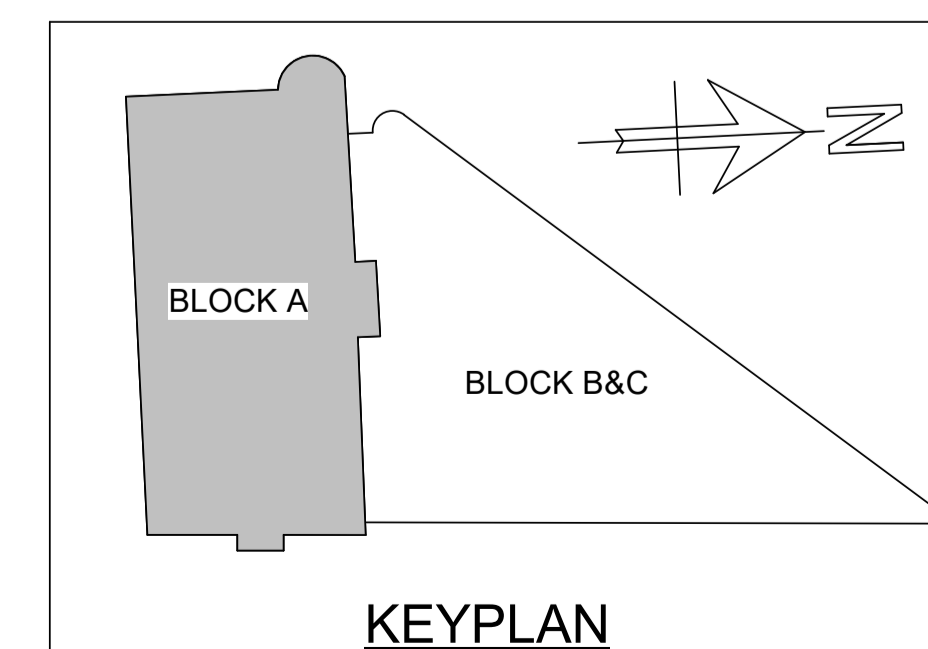
MINIMUM EDGE DISTANCE FROM EDGE OF CORE TO FACE OF STONE TO BE 75mm PRIOR TO DRILLING



TYPICAL ANCHOR EDGE DISTANCE RESTRICTIONS
(SCALE 1:10)



TYPICAL ANCHOR HEAD DETAIL
(SCALE 1:10)



KEYPLAN

NOTES

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- ALL DIMENSIONS ARE IN MILLIMETRES U.N.O.
- ALL LEVELS ARE IN METRES ABOVE ORDANCE DATUM U.N.O.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.

KEY TO SYMBOLS

- DENOTES NEW STRUCTURAL BEAM OVER OPENING
- DENOTES MASONRY INFILL TO EXISTING LOAD BEARING MASONRY WALL
- DENOTES NEW OPENING TO EXISTING LOAD BEARING MASONRY WALL
- DENOTES LOCATION OF PADSTONE. FOR DETAILS SEE DRAWING S-0000.
- DENOTES AREA OF NEW TIMBER FLOOR CONSTRUCTION. SEE PLAN FOR JOIST SIZES
- DENOTES AREA OF BASEMENT SLAB TO BE LOWERED
- DENOTES NEW OPENING AT LOCATION OF EXISTING WINDOW OPENING
- DENOTES EXISTING LOAD BEARING MASONRY WALL TO BE UNDERPINNED
- DENOTES TIE

THESE NOTES ARE BASED ON THE USE OF EXPERIENCED AND COMPETENT CONTRACTORS CARRYING OUT THE WORK USING AN APPROVED SAFE METHOD OF WORKING

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- ⓘ INDICATES A RESIDUAL RISK FOR INFORMATION
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P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By Chk	App

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



BLOCK A
THIRD FLOOR GA

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-03-DR-S-00114	P02		

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY STABILITY OF THE WORKS AND ANY OTHER BUILDINGS, STRUCTURES, EXCAVATIONS OR FEATURES AFFECTED BY THE WORKS. THE CONTRACTOR SHALL ENSURE NO PART OF THE WORKS AND ANY OTHER BUILDINGS, STRUCTURES OR FEATURES AFFECTED BY THE WORKS ARE OVERSTRESSED OR DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES.

STRUCTURAL STEELWORK SHOWN ON PLAN INDICATIVELY. IT SHOULD BE NOTED THAT STEELWORK TO BE ABOVE THE LEVEL OF THE PROPOSED OPENING.

BASEMENT FLOOR SLAB REPLACEMENT STRATEGY AND ASSOCIATED WATERPROOFING/MOISTURE CONTROL TO BE CONFIRMED BY THE ARCHITECT

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT RAMBOLL DEMOLITION DRAWINGS:

- 4217-RAM-ZZ-B1-DR-S-00160
- 4217-RAM-ZZ-00-DR-S-00161
- 4217-RAM-ZZ-01-DR-S-00162
- 4217-RAM-ZZ-02-DR-S-00163
- 4217-RAM-ZZ-03-DR-S-00164
- 4217-RAM-ZZ-04-DR-S-00165
- 4217-RAM-ZZ-RF-DR-S-00166

SIZE AND SETTING OUT OF ALL BUILDERSWORK OPENINGS TO BE CONFIRMED BY ARCHITECT AND MECHANICAL ENGINEER

ADEQUACY OF EXISTING LIFT SHAFT WALLS SUBJECT TO FURTHER INVESTIGATION WORK. REVIEW OF OVERALL CONDITION, SIZE AND OUT OF PLUMB TOLERANCES REQUIRED TO ASCERTAIN THE REQUIREMENT FOR ANY REMEDIAL WORKS TO SHAFT WALLS TBC

EXISTING WINDOW OPENING OFF CURRENT STAIR TO BE EXTENDED TO FACILITATE NEW DOOR

INFILL OF EXISTING STAIR CORE. TRADITIONAL TIMBER FLOOR JOISTS TO BE INSTALLED TO CREATE NEW FLOOR

ASHLAR STONE REMOVED TO ALLOW INSTALLATION OF ANCHOR. STONE TO BE REPLACED AFTER INSTALLATION

DIRECTION OF DRILLING

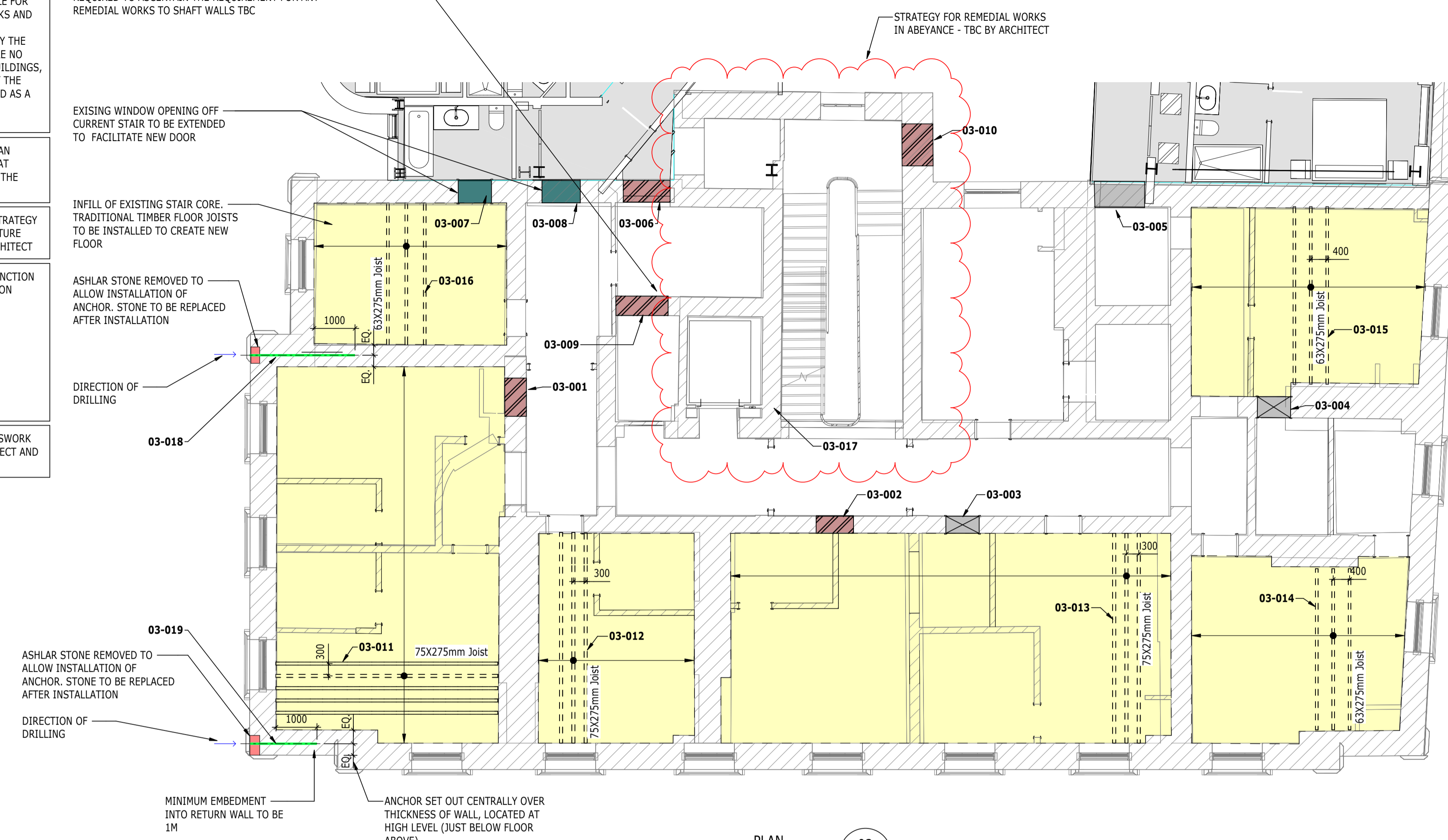
ASHLAR STONE REMOVED TO ALLOW INSTALLATION OF ANCHOR. STONE TO BE REPLACED AFTER INSTALLATION

DIRECTION OF DRILLING

MINIMUM EMBEDMENT INTO RETURN WALL TO BE 1M

ANCHOR SET OUT CENTRALLY OVER THICKNESS OF WALL, LOCATED AT HIGH LEVEL (JUST BELOW FLOOR ABOVE)

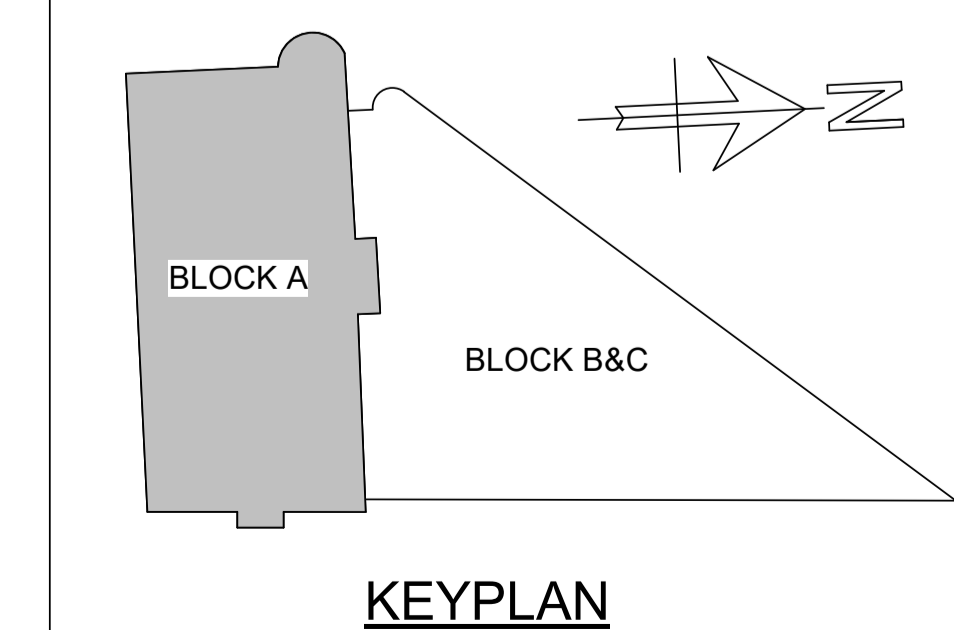
STRATEGY FOR REMEDIAL WORKS IN ABEYANCE - TBC BY ARCHITECT



FOR CINTEC ANCHOR DETAILS SEE DRAWING 4217-RAM-ZZ-02-DR-S-00113

PLAN 03
1 : 75
BLOCK A - LEVEL 03

REFERENCE	DESCRIPTION OF INTERVENTION	APPLICABLE DETAIL
03-001	MASONRY INFILL OF EXISTING LOAD BEARING MASONRY WALL	4217-RAM-XX-XX-DR-S-00500
03-002	MASONRY INFILL OF EXISTING LOAD BEARING MASONRY WALL	4217-RAM-XX-XX-DR-S-00500
03-003	NEW STRUCTURAL OPENING IN EXISTING LOAD BEARING MASONRY WALL	4217-RAM-XX-XX-DR-S-00500
03-004	NEW STRUCTURAL OPENING IN EXISTING LOAD BEARING MASONRY WALL	4217-RAM-XX-XX-DR-S-00500
03-005	NEW STRUCTURAL OPENING IN EXISTING LOAD BEARING MASONRY WALL	4217-RAM-XX-XX-DR-S-00500
03-006	MASONRY INFILL OF EXISTING LOAD BEARING MASONRY WALL	4217-RAM-XX-XX-DR-S-00500
03-007	NEW STRUCTURAL OPENING IN EXISTING LOAD BEARING MASONRY WALL	4217-RAM-XX-XX-DR-S-00500
03-008	NEW STRUCTURAL OPENING IN EXISTING LOAD BEARING MASONRY WALL	4217-RAM-XX-XX-DR-S-00500
03-009	MASONRY INFILL OF EXISTING LOAD BEARING MASONRY WALL	4217-RAM-XX-XX-DR-S-00500
03-010	MASONRY INFILL OF EXISTING LOAD BEARING MASONRY WALL	4217-RAM-XX-XX-DR-S-00500
03-011	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-XX-XX-DR-S-00560
03-012	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-XX-XX-DR-S-00560
03-013	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-XX-XX-DR-S-00560
03-014	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-XX-XX-DR-S-00560
03-015	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-XX-XX-DR-S-00560
03-016	NEW TIMBER FLOOR JOISTS TO REPLACE EXISTING	4217-RAM-XX-XX-DR-S-00560
03-017	LIFT WORKS TBC. ASSUME FULL REPLACEMENT OF MASONRY SHAFT WALLS REQUIRED.	TBC
03-018	CINTEC (O.E.A) ANCHOR AT LOCATION OF OUTWARD MOVEMENT OF WALL	4217-RAM-XX-02-DR-S-00113
03-019	CINTEC (O.E.A) ANCHOR AT LOCATION OF OUTWARD MOVEMENT OF WALL	4217-RAM-XX-02-DR-S-00113



NOTES

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KEY TO SYMBOLS

- Denotes NEW STRUCTURAL BEAM OVER OPENING
- Denotes MASONRY INFILL TO EXISTING LOAD BEARING MASONRY WALL
- Denotes NEW OPENING TO EXISTING LOAD BEARING MASONRY WALL
- Denotes LOCATION OF PADSTONE. FOR DETAILS SEE DRAWING S-0000.
- Denotes AREA OF NEW TIMBER FLOOR CONSTRUCTION. SEE PLAN FOR JOIST SIZES
- Denotes AREA OF BASEMENT SLAB TO BE LOWERED
- Denotes NEW OPENING AT LOCATION OF EXISTING WINDOW OPENING
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- Denotes TIE

THESE NOTES ARE BASED ON THE USE OF EXPERIENCED AND COMPETENT CONTRACTORS CARRYING OUT THE WORK USING AN APPROVED SAFE METHOD OF WORKING

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P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



BLOCK A
FOURTH FLOOR GA

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	NOV'22	JC
Drawing No:			Rev:
4217-RAM-ZZ-04-DR-S-00115			P02

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY STABILITY OF THE WORKS AND ANY OTHER BUILDINGS, STRUCTURES, EXCAVATIONS OR FEATURES AFFECTED BY THE WORKS. THE CONTRACTOR SHALL ENSURE NO PART OF THE WORKS AND ANY OTHER BUILDINGS, STRUCTURES OR FEATURES AFFECTED BY THE WORKS ARE OVERSTRESSED OR DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES.

STRUCTURAL STEELWORK SHOWN ON PLAN INDICATIVELY. IT SHOULD BE NOTED THAT STEELWORK TO BE ABOVE THE LEVEL OF THE PROPOSED OPENING.

BASEMENT FLOOR SLAB REPLACEMENT STRATEGY AND ASSOCIATED WATERPROOFING/MOISTURE CONTROL TO BE CONFIRMED BY THE ARCHITECT

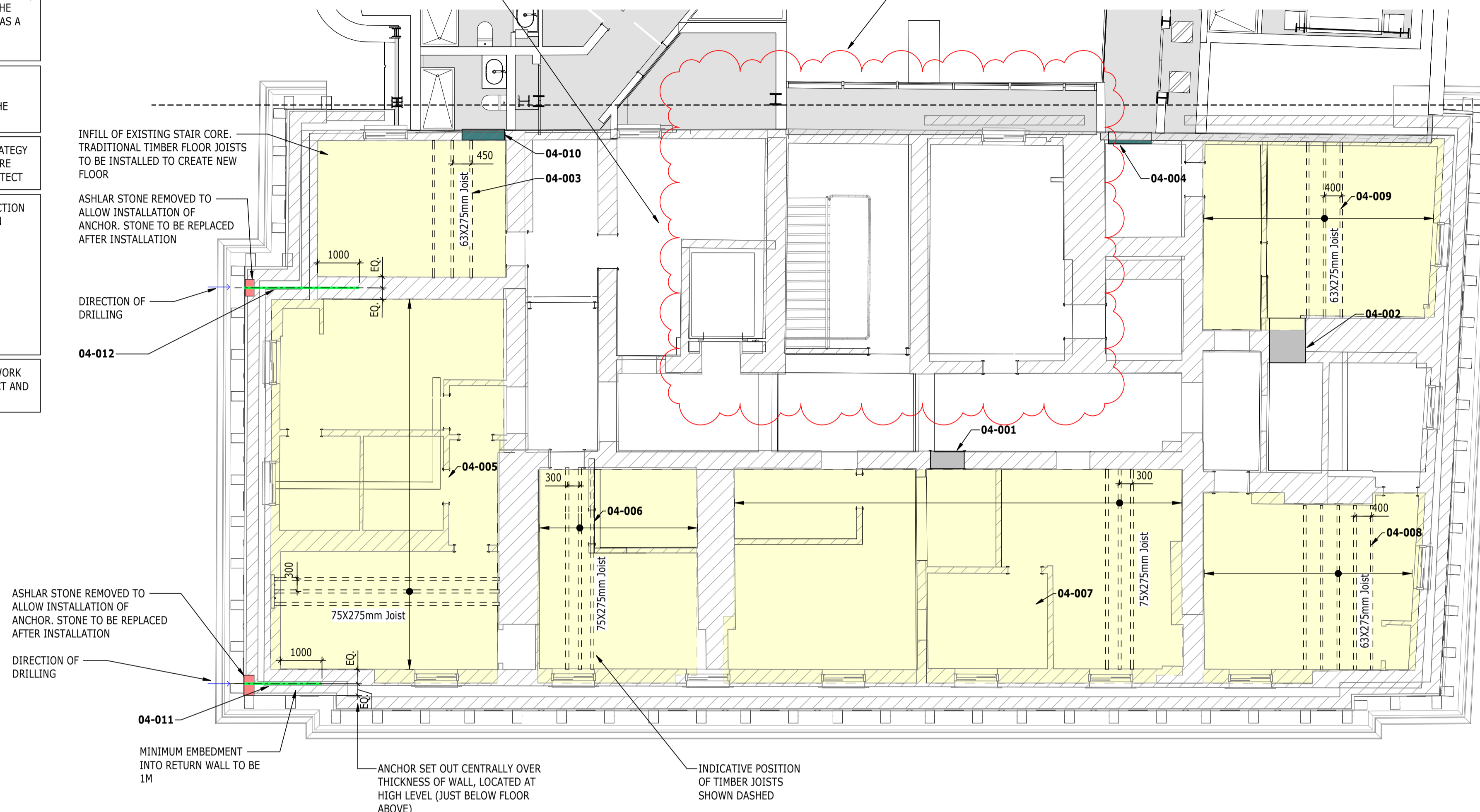
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- 4217-RAM-ZZ-B1-DR-S-00160
- 4217-RAM-ZZ-00-DR-S-00161
- 4217-RAM-ZZ-01-DR-S-00162
- 4217-RAM-ZZ-02-DR-S-00163
- 4217-RAM-ZZ-03-DR-S-00164
- 4217-RAM-ZZ-04-DR-S-00165
- 4217-RAM-ZZ-RF-DR-S-00166

SIZE AND SETTING OUT OF ALL BUILDERSWORK OPENINGS TO BE CONFIRMED BY ARCHITECT AND MECHANICAL ENGINEER

ADEQUACY OF EXISTING LIFT SHAFT WALLS SUBJECT TO FURTHER INVESTIGATION WORK. REVIEW OF OVERALL CONDITION, SIZE AND OUT OF PLUMB TOLERANCES REQUIRED TO ASCERTAIN THE REQUIREMENT FOR ANY REMEDIAL WORKS TO SHAFT WALLS TBC

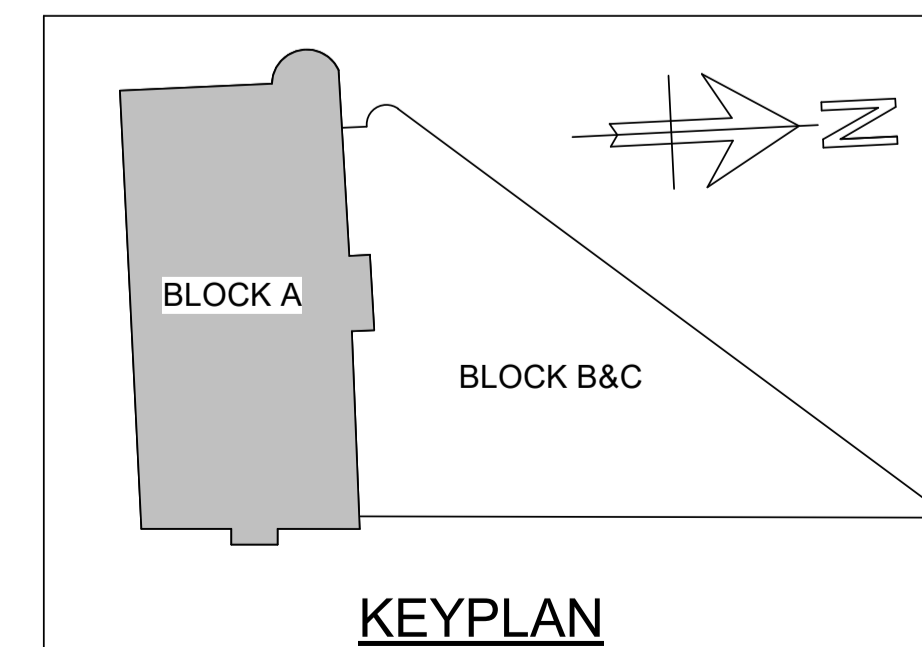
STRATEGY FOR REMEDIAL WORKS IN ABEYANCE - TBC BY ARCHITECT



FOR CINTEC ANCHOR DETAILS SEE DRAWING 4217-RAM-ZZ-02-DR-S-00113

PLAN
1 : 75
BLOCK A - LEVEL 04

LEVEL 04 - BLOCK A STRUCTURAL INTERVENTION SCHEDULE		
REFERENCE	DESCRIPTION OF INTERVENTION	APPLICABLE DETAIL
04-001	NEW STRUCTURAL OPENING IN EXISTING LOAD BEARING MASONRY WALL	4217-RAM-XX-XX-DR-S-00560
04-002	NEW STRUCTURAL OPENING IN EXISTING LOAD BEARING MASONRY WALL	4217-RAM-XX-XX-DR-S-00560
04-003	NEW TIMBER FLOOR JOIST TO REPLACE EXISTING FLOOR JOIST CONSTRUCTION	4217-RAM-XX-XX-DR-S-00560
04-004	EXISTING WINDOW OPENING TO BE CONVERTED TO FULL HEIGHT DOOR OPENING	4217-RAM-XX-XX-DR-S-00500
04-005	NEW TIMBER FLOOR JOIST TO REPLACE EXISTING FLOOR JOIST CONSTRUCTION	4217-RAM-XX-XX-DR-S-00560
04-006	NEW TIMBER FLOOR JOIST TO REPLACE EXISTING FLOOR JOIST CONSTRUCTION	4217-RAM-XX-XX-DR-S-00560
04-007	NEW TIMBER FLOOR JOIST TO REPLACE EXISTING FLOOR JOIST CONSTRUCTION	4217-RAM-XX-XX-DR-S-00560
04-008	NEW TIMBER FLOOR JOIST TO REPLACE EXISTING FLOOR JOIST CONSTRUCTION	4217-RAM-XX-XX-DR-S-00560
04-009	NEW TIMBER FLOOR JOIST TO REPLACE EXISTING FLOOR JOIST CONSTRUCTION	4217-RAM-XX-XX-DR-S-00560
04-010	EXISTING WINDOW OPENING TO BE CONVERTED TO FULL HEIGHT DOOR OPENING	4217-RAM-XX-XX-DR-S-00500
04-011	CINTEC (O.E.A) ANCHOR AT LOCATION OF OUTWARD MOVEMENT OF WALL	4217-RAM-XX-02-DR-S-00113
04-012	CINTEC (O.E.A) ANCHOR AT LOCATION OF OUTWARD MOVEMENT OF WALL	4217-RAM-XX-02-DR-S-00113



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NOTES

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- ALL LEVELS ARE IN METRES ABOVE ORDANCE DATUM U.N.O.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.

KEY TO SYMBOLS

- DENOTES NEW STRUCTURAL BEAM OVER OPENING
- DENOTES MASONRY INFILL TO EXISTING LOAD BEARING MASONRY WALL
- DENOTES NEW OPENING TO EXISTING LOAD BEARING MASONRY WALL
- DENOTES LOCATION OF PADSTONE. FOR DETAILS SEE DRAWING S-0000.
- DENOTES AREA OF NEW TIMBER FLOOR CONSTRUCTION. SEE PLAN FOR JOIST SIZES
- DENOTES AREA OF BASEMENT SLAB TO BE LOWERED
- DENOTES NEW OPENING AT LOCATION OF EXISTING WINDOW OPENING
- DENOTES EXISTING LOAD BEARING MASONRY WALL TO BE UNDERPINNED
- DENOTES TIE

THESE NOTES ARE BASED ON THE USE OF EXPERIENCED AND COMPETENT CONTRACTORS CARRYING OUT THE WORK USING AN APPROVED SAFE METHOD OF WORKING

WHERE RAMBOLL CDM HAZARD SYMBOLS (SUMMARIZED BELOW) ARE FOUND ON THE DRAWINGS, REFERENCE MUST BE MADE TO XXXX-XXX-XX-XX-X-XXXX. CHECK THE UNIQUE CDM ID IN THE TEXT NEXT TO THE SYMBOL FORMATTED: RAM-###

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

P02	PLANNING & LBC ISSUE	16/12	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12	JC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



tel 01244 311855 chester@ramboll.co.uk
www.ramboll.co.uk

BLOCK A
ROOF GA

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	NOV'22	JC
Drawing No:		Rev:	
4217-RAM-ZZ-04-DR-S-00116		P02	

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY STABILITY OF THE WORKS AND ANY OTHER BUILDINGS, STRUCTURES, EXCAVATIONS OR FEATURES AFFECTED BY THE WORKS. THE CONTRACTOR SHALL ENSURE NO PART OF THE WORKS AND ANY OTHER BUILDINGS, STRUCTURES OR FEATURES AFFECTED BY THE WORKS ARE OVERSTRESSED OR DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES.

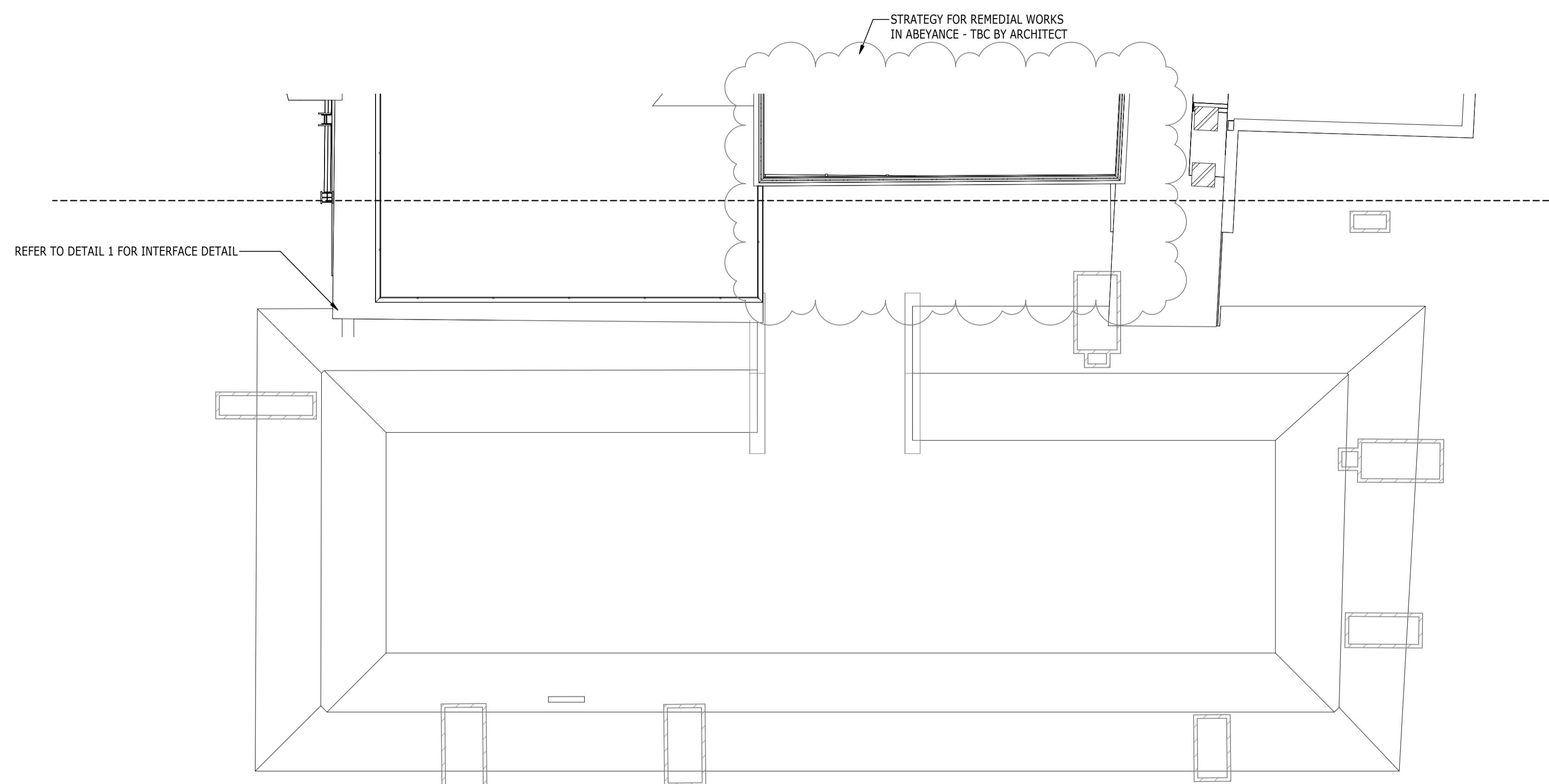
STRUCTURAL STEELWORK SHOWN ON PLAN INDICATIVELY. IT SHOULD BE NOTED THAT STEELWORK TO BE ABOVE THE LEVEL OF THE PROPOSED OPENING.

BASEMENT FLOOR SLAB REPLACEMENT STRATEGY AND ASSOCIATED WATERPROOFING/MOISTURE CONTROL TO BE CONFIRMED BY THE ARCHITECT

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT RAMBOLL DEMOLITION DRAWINGS:

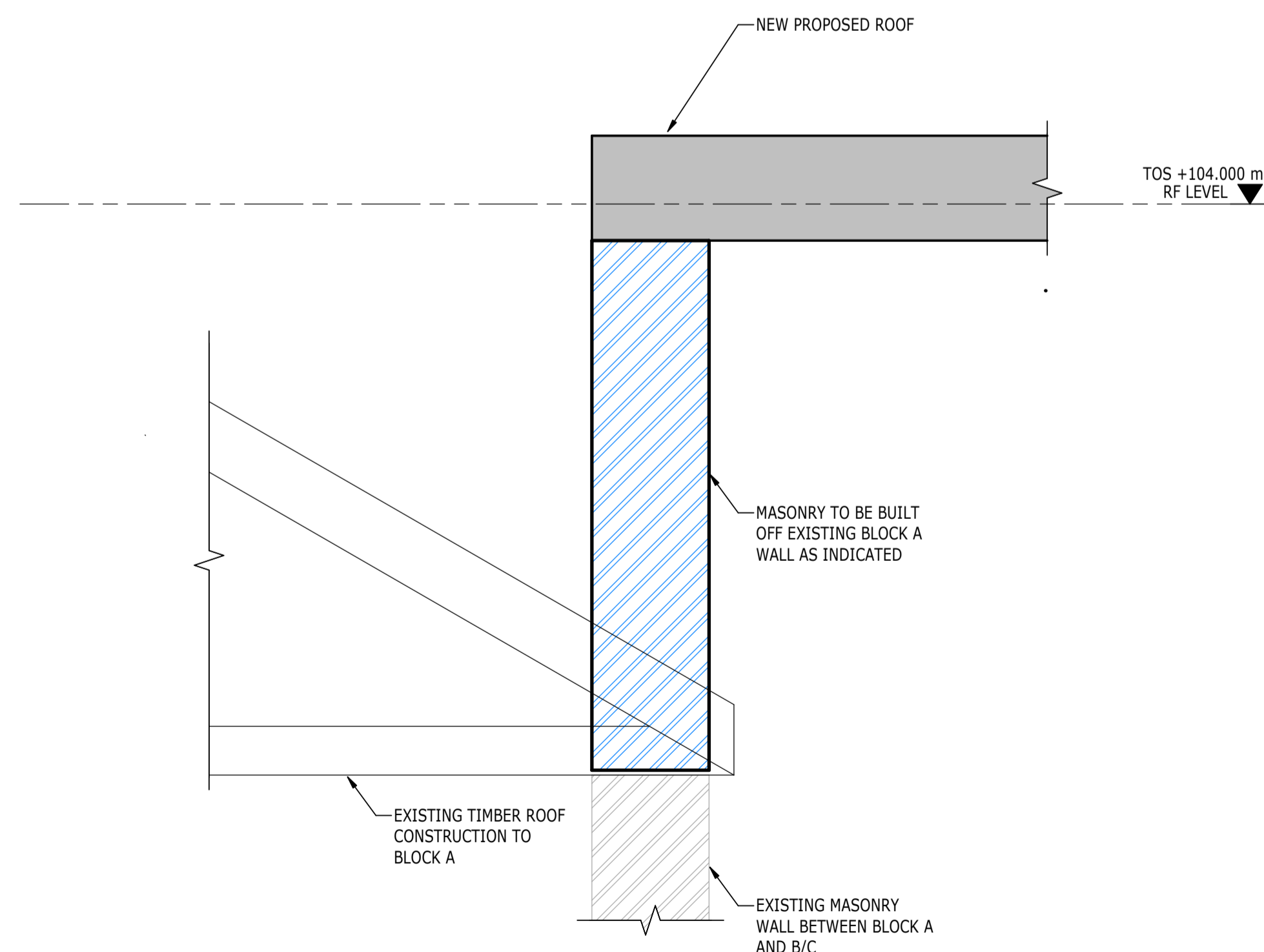
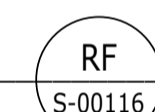
- 4217-RAM-ZZ-B1-DR-S-00160
- 4217-RAM-ZZ-00-DR-S-00161
- 4217-RAM-ZZ-01-DR-S-00162
- 4217-RAM-ZZ-02-DR-S-00163
- 4217-RAM-ZZ-03-DR-S-00164
- 4217-RAM-ZZ-04-DR-S-00165
- 4217-RAM-ZZ-RF-DR-S-00166

SIZE AND SETTING OUT OF ALL BUILDERSWORK OPENINGS TO BE CONFIRMED BY ARCHITECT AND MECHANICAL ENGINEER

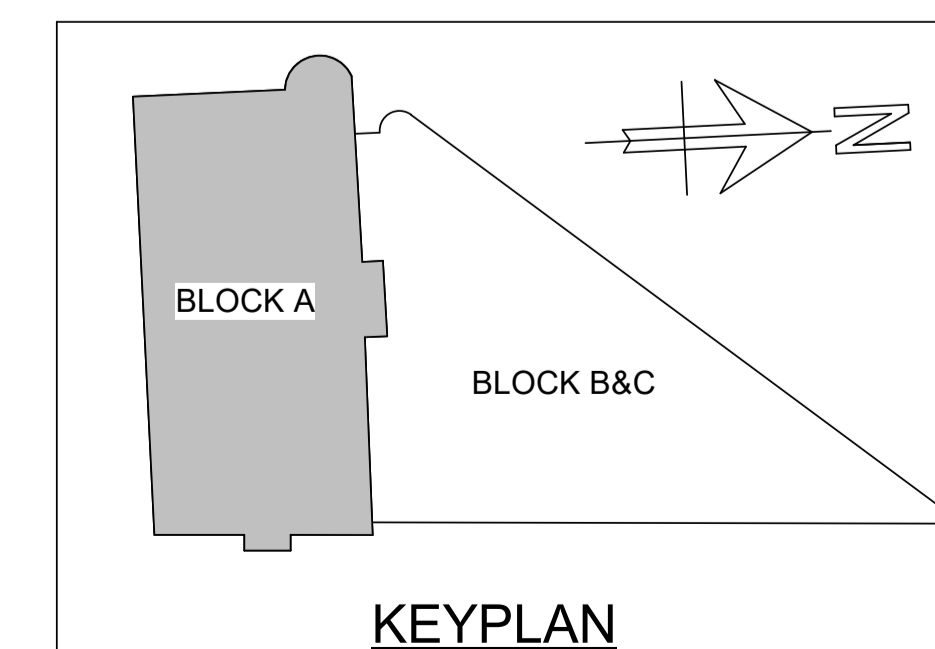


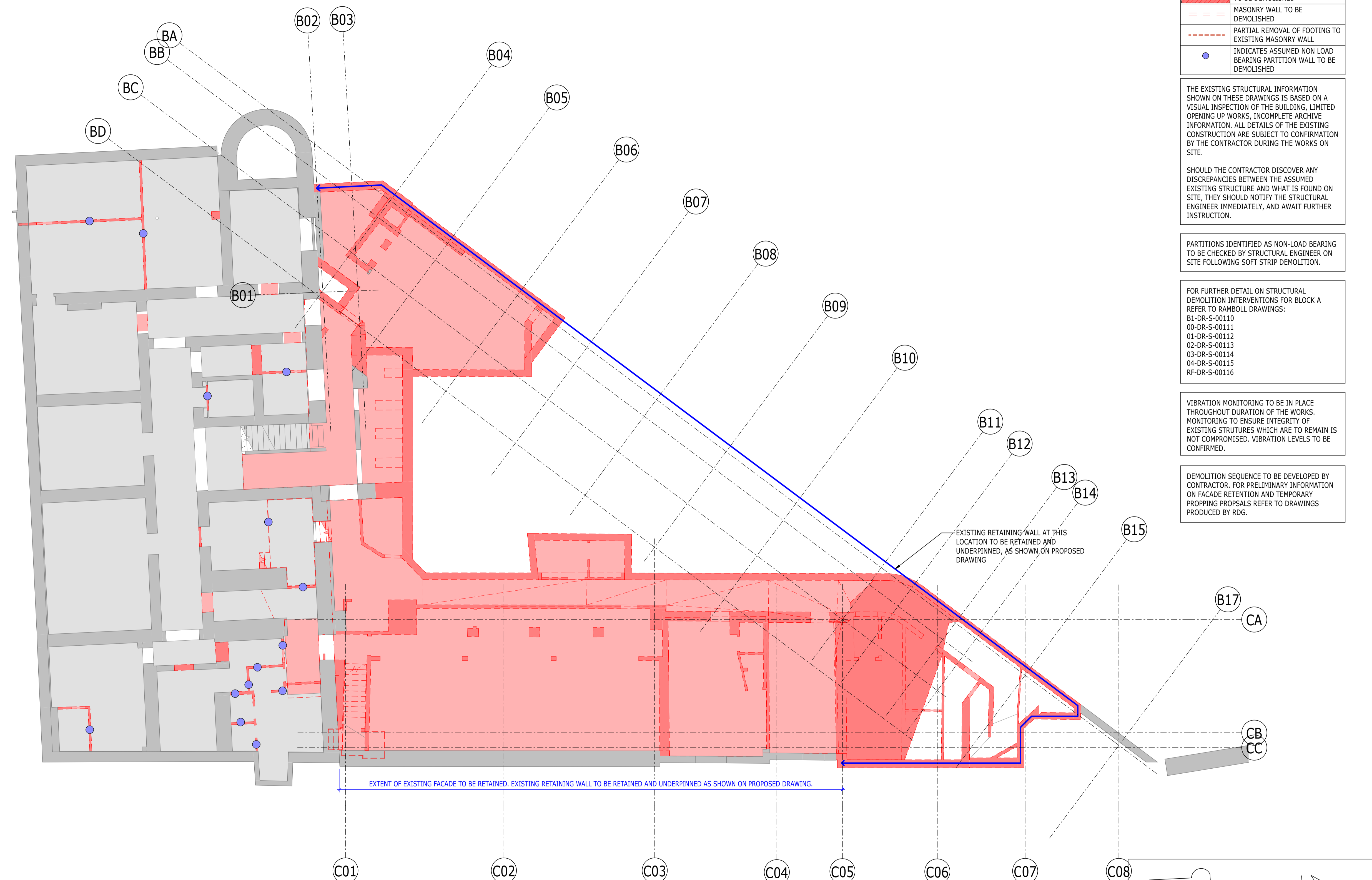
REFER TO DETAIL 1 FOR INTERFACE DETAIL

PLAN
1 : 75
BLOCK A - RF LEVEL



DETAIL
1
1 : 10
TYPICAL DETAIL AT BLOCK A ROOF INTERFACE





DEMOLITION KEY

PATTERN	DESCRIPTION
[Red solid fill]	AREA OF SUSPENDED FLOOR TO BE DEMOLISHED
[Red diagonal lines]	AREA OF BASEMENT FLOOR TO BE DEMOLISHED
[Red dashed lines]	MASONRY WALL TO BE DEMOLISHED
[Red dash-dot lines]	PARTIAL REMOVAL OF FOOTING TO EXISTING MASONRY WALL
[Blue dot]	INDICATES ASSUMED NON LOAD BEARING PARTITION WALL TO BE DEMOLISHED

THE EXISTING STRUCTURAL INFORMATION SHOWN ON THESE DRAWINGS IS BASED ON A VISUAL INSPECTION OF THE BUILDING, LIMITED OPENING UP WORKS, INCOMPLETE ARCHIVE INFORMATION. ALL DETAILS OF THE EXISTING CONSTRUCTION ARE SUBJECT TO CONFIRMATION BY THE CONTRACTOR DURING THE WORKS ON SITE.

SHOULD THE CONTRACTOR DISCOVER ANY DISCREPANCIES BETWEEN THE ASSUMED EXISTING STRUCTURE AND WHAT IS FOUND ON SITE, THEY SHOULD NOTIFY THE STRUCTURAL ENGINEER IMMEDIATELY, AND AWAIT FURTHER INSTRUCTION.

PARTITIONS IDENTIFIED AS NON-LOAD BEARING TO BE CHECKED BY STRUCTURAL ENGINEER ON SITE FOLLOWING SOFT STRIP DEMOLITION.

FOR FURTHER DETAIL ON STRUCTURAL DEMOLITION INTERVENTIONS FOR BLOCK A REFER TO RAMBOLL DRAWINGS:
 B1-DR-S-00110
 00-DR-S-00111
 01-DR-S-00112
 02-DR-S-00113
 03-DR-S-00114
 04-DR-S-00115
 RF-DR-S-00116

VIBRATION MONITORING TO BE IN PLACE THROUGHOUT DURATION OF THE WORKS. MONITORING TO ENSURE INTEGRITY OF EXISTING STRUCTURES WHICH ARE TO REMAIN IS NOT COMPROMISED. VIBRATION LEVELS TO BE CONFIRMED.

DEMOLITION SEQUENCE TO BE DEVELOPED BY CONTRACTOR. FOR PRELIMINARY INFORMATION ON FACADE RETENTION AND TEMPORARY PROPPING PROPOSALS REFER TO DRAWINGS PRODUCED BY RDG.

- NOTES
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P02	PLANNING & LBC ISSUE	16/12	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12	JC	PM
Rev	Description	Date	By	App
			Chk	

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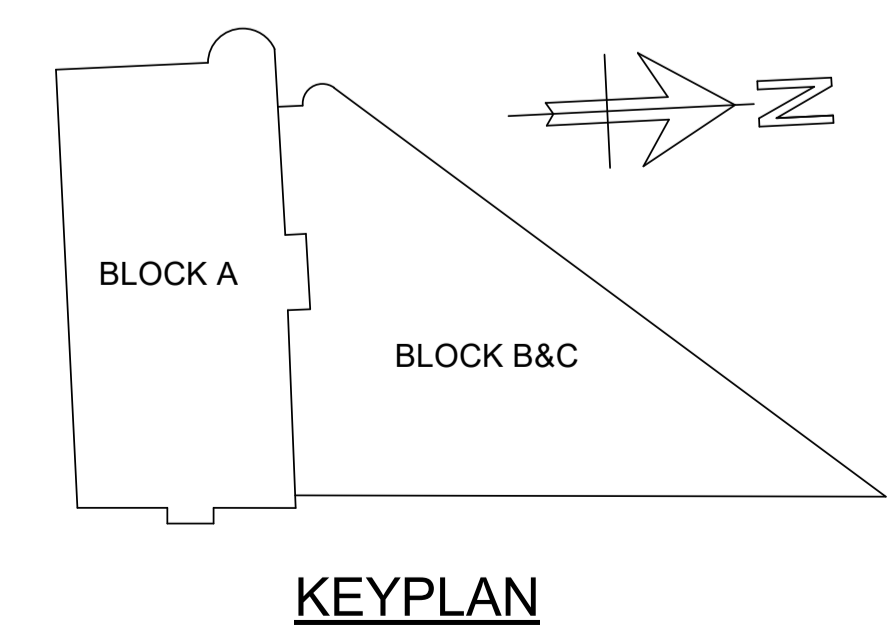
THE GEORGE HOTEL
HUDDERSFIELD

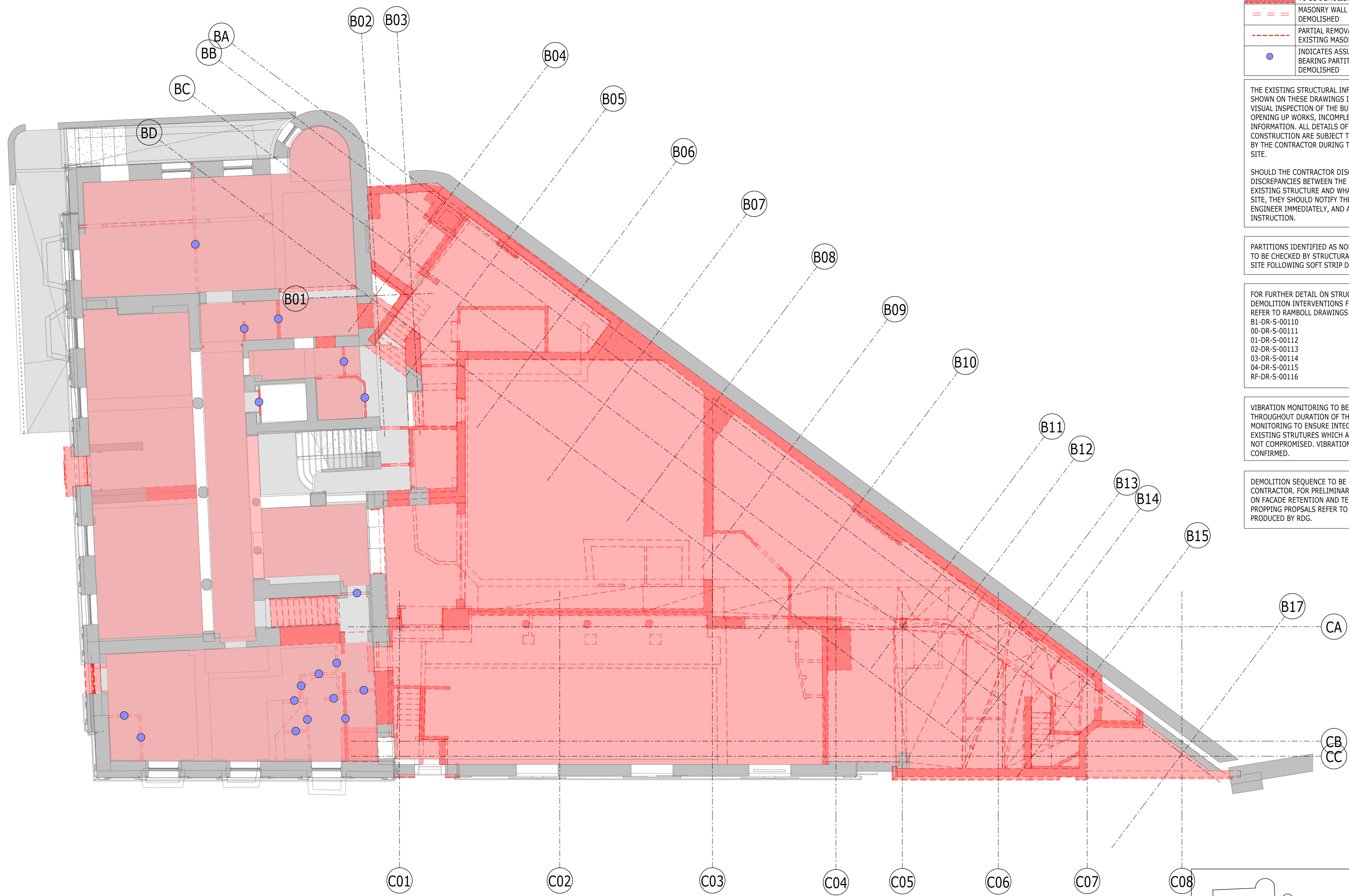


DEMOLITION PLAN
BASEMENT LEVEL

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 100	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-B1-DR-S-00160	P02		

PLAN
1 : 100
DEM-LEVEL B1





DEMOLITION KEY

PATTERN	DESCRIPTION
[Red hatched box]	AREA OF SUSPENDED FLOOR TO BE DEMOLISHED
[Red hatched box]	AREA OF BASEMENT FLOOR TO BE DEMOLISHED
[Red dashed line]	MASONRY WALL TO BE DEMOLISHED
[Red dashed line]	PARTIAL REMOVAL OF FOOTING TO EXISTING MASONRY WALL
[Blue dot]	INDICATES ASSUMED NON LOAD BEARING PARTITION WALL TO BE DEMOLISHED

THE EXISTING STRUCTURAL INFORMATION SHOWN ON THESE DRAWINGS IS BASED ON A VISUAL INSPECTION OF THE BUILDING, LIMITED OPENING UP WORKS, INCOMPLETE ARCHIVE INFORMATION. ALL DETAILS OF THE EXISTING CONSTRUCTION ARE SUBJECT TO CONFIRMATION BY THE CONTRACTOR DURING THE WORKS ON SITE.

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PARTITIONS IDENTIFIED AS NON-LOAD BEARING TO BE CHECKED BY STRUCTURAL ENGINEER ON SITE FOLLOWING SOFT STRIP DEMOLITION.

FOR FURTHER DETAIL ON STRUCTURAL DEMOLITION INTERVENTIONS FOR BLOCK A REFER TO RAMBOLL DRAWINGS:
 B1-DR-S-00110
 00-DR-S-00111
 01-DR-S-00112
 02-DR-S-00113
 03-DR-S-00114
 04-DR-S-00115
 RF-DR-S-00116

VIBRATION MONITORING TO BE IN PLACE THROUGHOUT DURATION OF THE WORKS. MONITORING TO ENSURE INTEGRITY OF EXISTING STRUCTURES WHICH ARE TO REMAIN IS NOT COMPROMISED. VIBRATION LEVELS TO BE CONFIRMED.

DEMOLITION SEQUENCE TO BE DEVELOPED BY CONTRACTOR. FOR PRELIMINARY INFORMATION ON FACADE RETENTION AND TEMPORARY PROPPING PROPOSALS REFER TO DRAWINGS PRODUCED BY RDG.

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P02	PLANNING & LBC ISSUE	16/12	JC	PM
P01	PRELIMINARY DRAFT ISSUE	2022	AC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

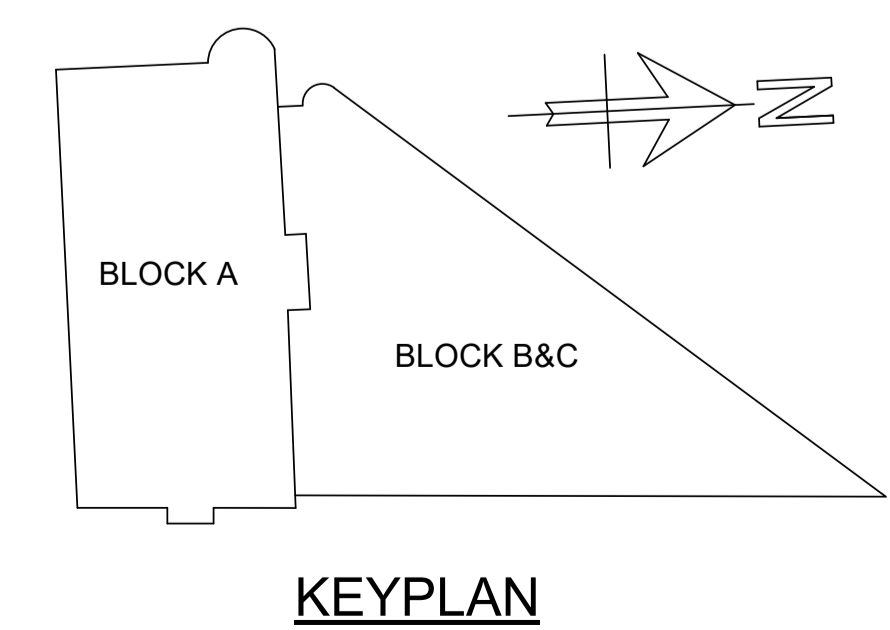
THE GEORGE HOTEL
HUDDERSFIELD

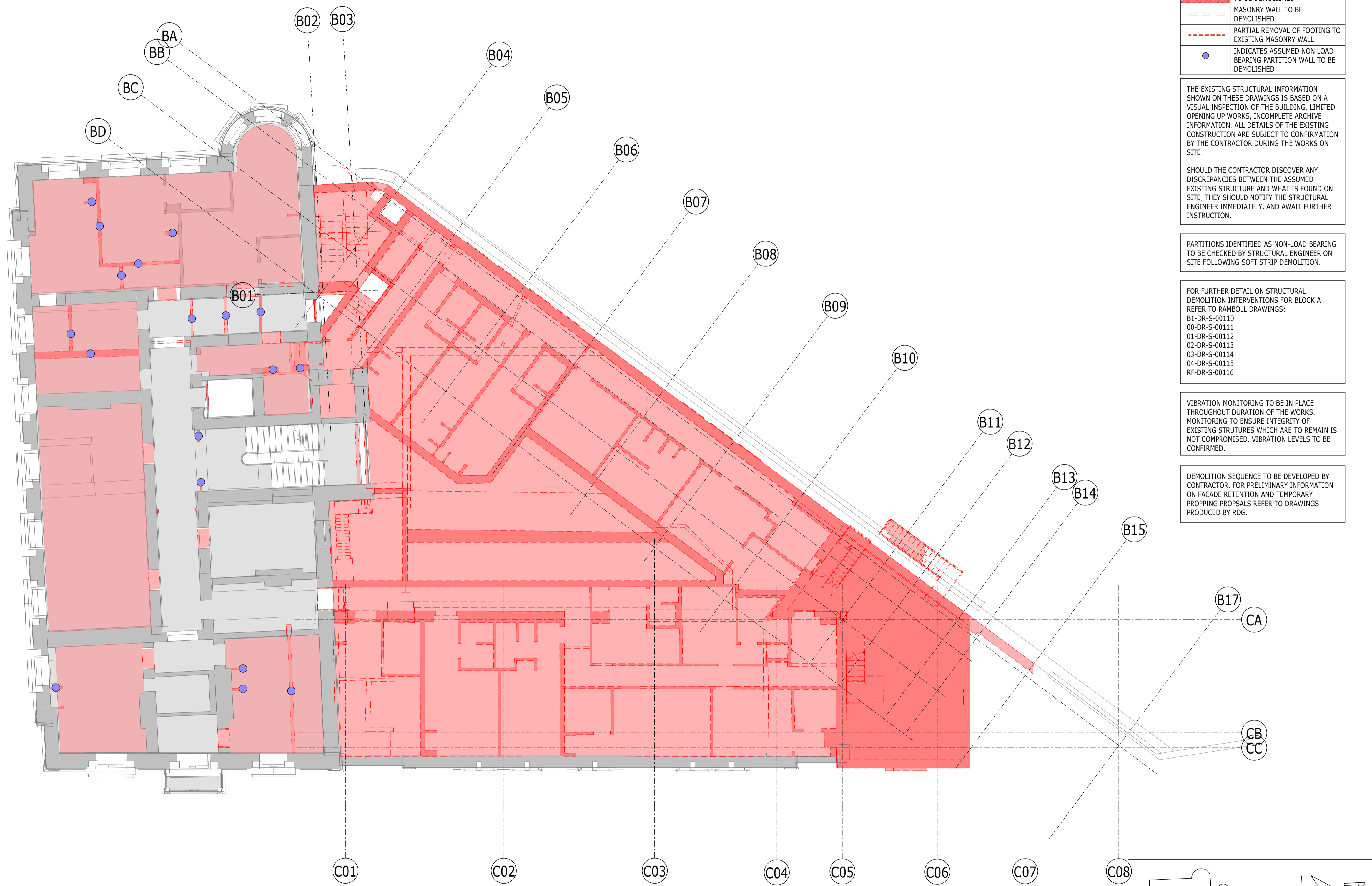


DEMOLITION PLAN
GROUND FLOOR

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 100	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-00-DR-S-00161	P02		

PLAN 1
1 : 100 S-00205
DEM-LEVEL 00





DEMOLITION KEY

PATTERN	DESCRIPTION
[Red fill]	AREA OF SUSPENDED FLOOR TO BE DEMOLISHED
[Red diagonal lines]	AREA OF BASEMENT FLOOR TO BE DEMOLISHED
[Red dashed lines]	MASONRY WALL TO BE DEMOLISHED
[Red dash-dot lines]	PARTIAL REMOVAL OF FOOTING TO EXISTING MASONRY WALL
[Blue dot]	INDICATES ASSUMED NON LOAD BEARING PARTITION WALL TO BE DEMOLISHED

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FOR FURTHER DETAIL ON STRUCTURAL DEMOLITION INTERVENTIONS FOR BLOCK A REFER TO RAMBOLL DRAWINGS:
 B1-DR-S-00110
 00-DR-S-00111
 01-DR-S-00112
 02-DR-S-00113
 03-DR-S-00114
 04-DR-S-00115
 RF-DR-S-00116

VIBRATION MONITORING TO BE IN PLACE THROUGHOUT DURATION OF THE WORKS. MONITORING TO ENSURE INTEGRITY OF EXISTING STRUCTURES WHICH ARE TO REMAIN IS NOT COMPROMISED. VIBRATION LEVELS TO BE CONFIRMED.

DEMOLITION SEQUENCE TO BE DEVELOPED BY CONTRACTOR. FOR PRELIMINARY INFORMATION ON FACADE RETENTION AND TEMPORARY PROPPING PROPOSALS REFER TO DRAWINGS PRODUCED BY RDG.

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P02	PLANNING & LBC ISSUE	16/12	JC	PM
P01	PRELIMINARY DRAFT ISSUE	2022	AC	PM
Rev	Description	Date	By	App
			Chk	

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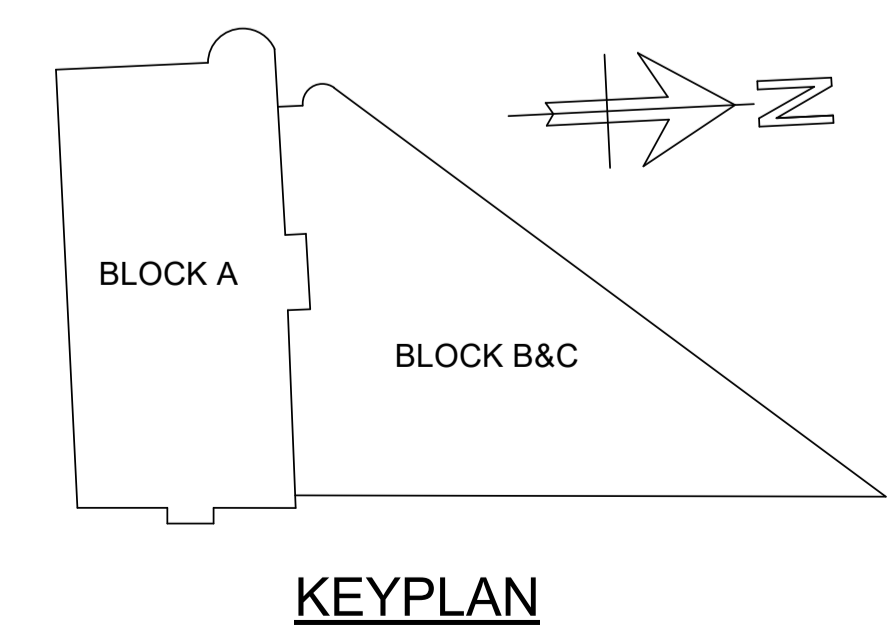
THE GEORGE HOTEL
HUDDERSFIELD

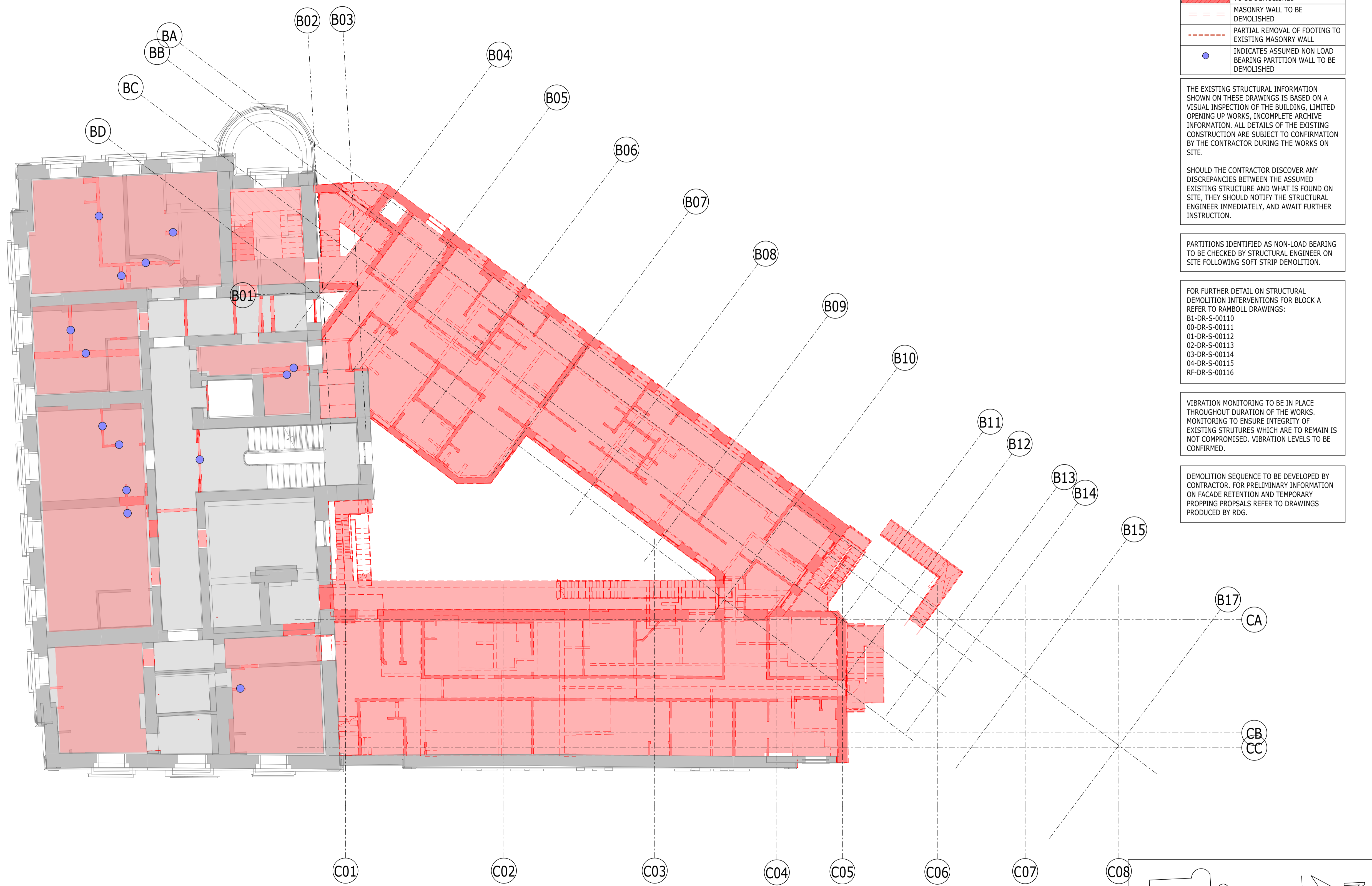


DEMOLITION PLAN
FIRST FLOOR

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 100	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-01-DR-S-00162	P02		

PLAN
1
1 : 100
S-00206
DEM-LEVEL 01





DEMOLITION KEY

PATTERN	DESCRIPTION
[Red solid fill]	AREA OF SUSPENDED FLOOR TO BE DEMOLISHED
[Red diagonal hatching]	AREA OF BASEMENT FLOOR TO BE DEMOLISHED
[Red dashed lines]	MASONRY WALL TO BE DEMOLISHED
[Red dash-dot lines]	PARTIAL REMOVAL OF FOOTING TO EXISTING MASONRY WALL
[Blue dot]	INDICATES ASSUMED NON LOAD BEARING PARTITION WALL TO BE DEMOLISHED

THE EXISTING STRUCTURAL INFORMATION SHOWN ON THESE DRAWINGS IS BASED ON A VISUAL INSPECTION OF THE BUILDING, LIMITED OPENING UP WORKS, INCOMPLETE ARCHIVE INFORMATION. ALL DETAILS OF THE EXISTING CONSTRUCTION ARE SUBJECT TO CONFIRMATION BY THE CONTRACTOR DURING THE WORKS ON SITE.

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PARTITIONS IDENTIFIED AS NON-LOAD BEARING TO BE CHECKED BY STRUCTURAL ENGINEER ON SITE FOLLOWING SOFT STRIP DEMOLITION.

FOR FURTHER DETAIL ON STRUCTURAL DEMOLITION INTERVENTIONS FOR BLOCK A REFER TO RAMBOLL DRAWINGS:
 B1-DR-S-00110
 00-DR-S-00111
 01-DR-S-00112
 02-DR-S-00113
 03-DR-S-00114
 04-DR-S-00115
 RF-DR-S-00116

VIBRATION MONITORING TO BE IN PLACE THROUGHOUT DURATION OF THE WORKS. MONITORING TO ENSURE INTEGRITY OF EXISTING STRUCTURES WHICH ARE TO REMAIN IS NOT COMPROMISED. VIBRATION LEVELS TO BE CONFIRMED.

DEMOLITION SEQUENCE TO BE DEVELOPED BY CONTRACTOR. FOR PRELIMINARY INFORMATION ON FACADE RETENTION AND TEMPORARY PROPPING PROPOSALS REFER TO DRAWINGS PRODUCED BY RDG.

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P02	PLANNING & LBC ISSUE	16/12	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12	AC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

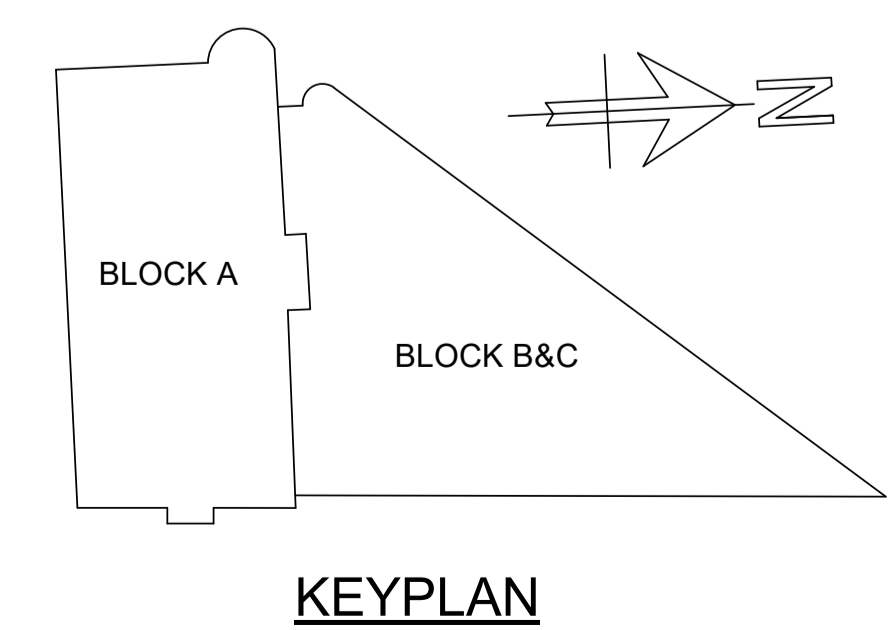
THE GEORGE HOTEL
HUDDERSFIELD

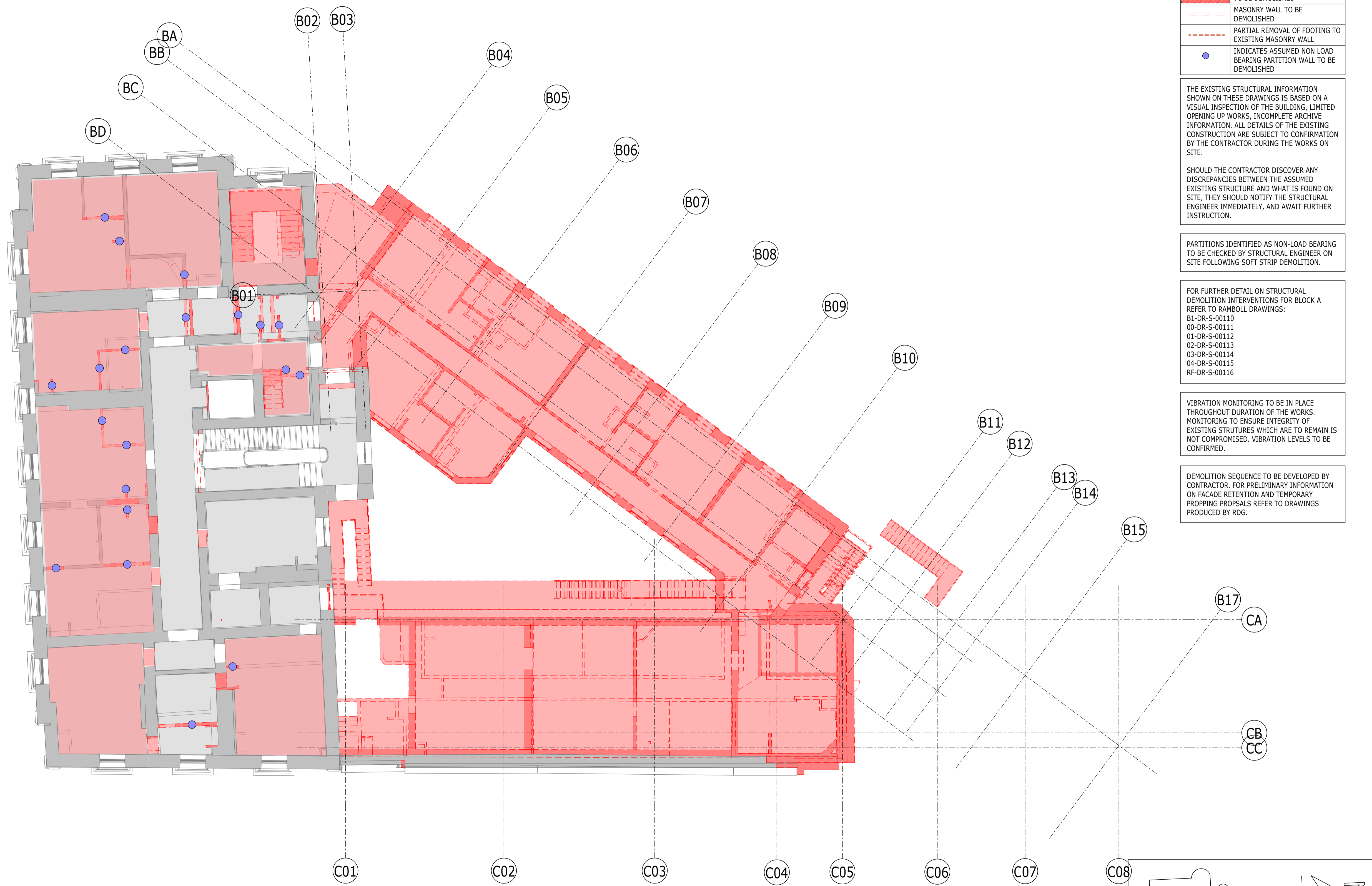


DEMOLITION PLAN
SECOND FLOOR

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 100	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-02-DR-S-00163	P02		

PLAN
1 : 100
DEM-LEVEL 02





DEMOLITION KEY

PATTERN	DESCRIPTION
[Red solid fill]	AREA OF SUSPENDED FLOOR TO BE DEMOLISHED
[Red diagonal hatching]	AREA OF BASEMENT FLOOR TO BE DEMOLISHED
[Red dashed line]	MASONRY WALL TO BE DEMOLISHED
[Red dash-dot line]	PARTIAL REMOVAL OF FOOTING TO EXISTING MASONRY WALL
[Blue dot]	INDICATES ASSUMED NON LOAD BEARING PARTITION WALL TO BE DEMOLISHED

THE EXISTING STRUCTURAL INFORMATION SHOWN ON THESE DRAWINGS IS BASED ON A VISUAL INSPECTION OF THE BUILDING, LIMITED OPENING UP WORKS, INCOMPLETE ARCHIVE INFORMATION. ALL DETAILS OF THE EXISTING CONSTRUCTION ARE SUBJECT TO CONFIRMATION BY THE CONTRACTOR DURING THE WORKS ON SITE.

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PARTITIONS IDENTIFIED AS NON-LOAD BEARING TO BE CHECKED BY STRUCTURAL ENGINEER ON SITE FOLLOWING SOFT STRIP DEMOLITION.

FOR FURTHER DETAIL ON STRUCTURAL DEMOLITION INTERVENTIONS FOR BLOCK A REFER TO RAMBOLL DRAWINGS:
 B1-DR-S-00110
 00-DR-S-00111
 01-DR-S-00112
 02-DR-S-00113
 03-DR-S-00114
 04-DR-S-00115
 RF-DR-S-00116

VIBRATION MONITORING TO BE IN PLACE THROUGHOUT DURATION OF THE WORKS. MONITORING TO ENSURE INTEGRITY OF EXISTING STRUCTURES WHICH ARE TO REMAIN IS NOT COMPROMISED. VIBRATION LEVELS TO BE CONFIRMED.

DEMOLITION SEQUENCE TO BE DEVELOPED BY CONTRACTOR. FOR PRELIMINARY INFORMATION ON FACADE RETENTION AND TEMPORARY PROPPING PROPOSALS REFER TO DRAWINGS PRODUCED BY RDG.

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P02	PLANNING & LBC ISSUE	16/12	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12	AC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

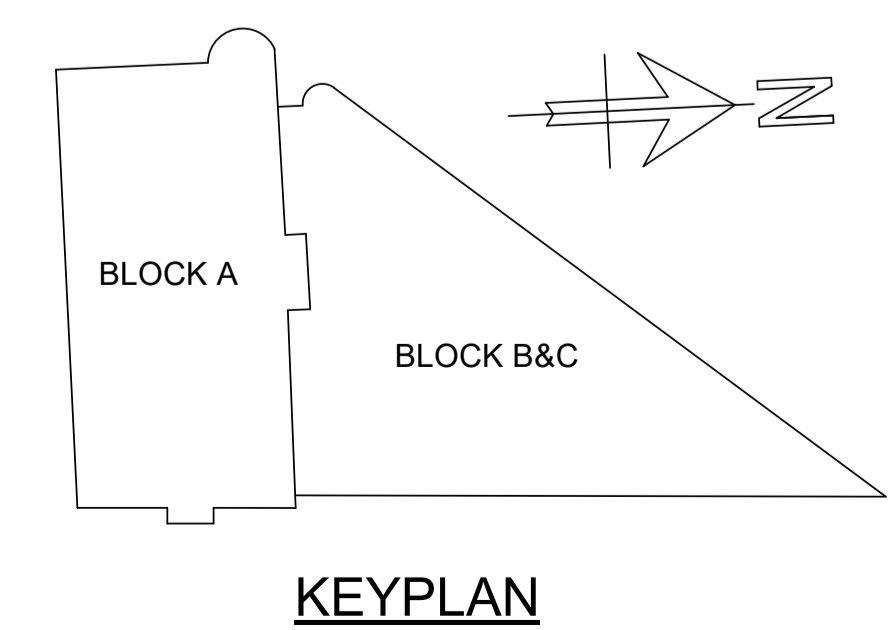
THE GEORGE HOTEL
HUDDERSFIELD



DEMOLITION PLAN
THIRD FLOOR

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 100	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-03-DR-S-00164	P02		

PLAN
1 : 100
DEM-LEVEL 03



DEMOLITION KEY

PATTERN	DESCRIPTION
	AREA OF SUSPENDED FLOOR TO BE DEMOLISHED
	AREA OF BASEMENT FLOOR TO BE DEMOLISHED
	MASONRY WALL TO BE DEMOLISHED
	PARTIAL REMOVAL OF FOOTING TO EXISTING MASONRY WALL
	INDICATES ASSUMED NON LOAD BEARING PARTITION WALL TO BE DEMOLISHED

THE EXISTING STRUCTURAL INFORMATION SHOWN ON THESE DRAWINGS IS BASED ON A VISUAL INSPECTION OF THE BUILDING, LIMITED OPENING UP WORKS, INCOMPLETE ARCHIVE INFORMATION. ALL DETAILS OF THE EXISTING CONSTRUCTION ARE SUBJECT TO CONFIRMATION BY THE CONTRACTOR DURING THE WORKS ON SITE.

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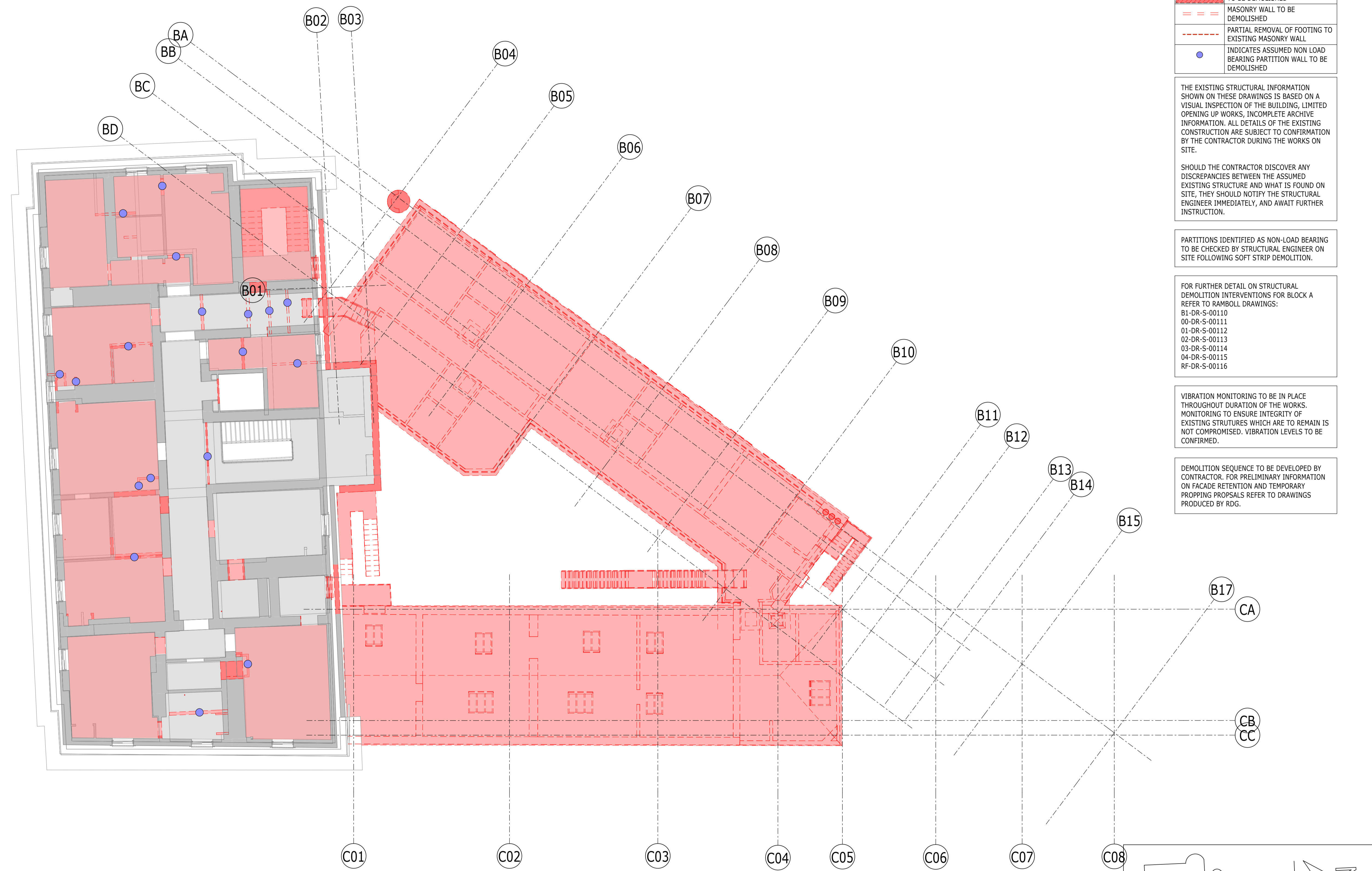
PARTITIONS IDENTIFIED AS NON-LOAD BEARING TO BE CHECKED BY STRUCTURAL ENGINEER ON SITE FOLLOWING SOFT STRIP DEMOLITION.

FOR FURTHER DETAIL ON STRUCTURAL DEMOLITION INTERVENTIONS FOR BLOCK A REFER TO RAMBOLL DRAWINGS:
 B1-DR-S-00110
 00-DR-S-00111
 01-DR-S-00112
 02-DR-S-00113
 03-DR-S-00114
 04-DR-S-00115
 RF-DR-S-00116

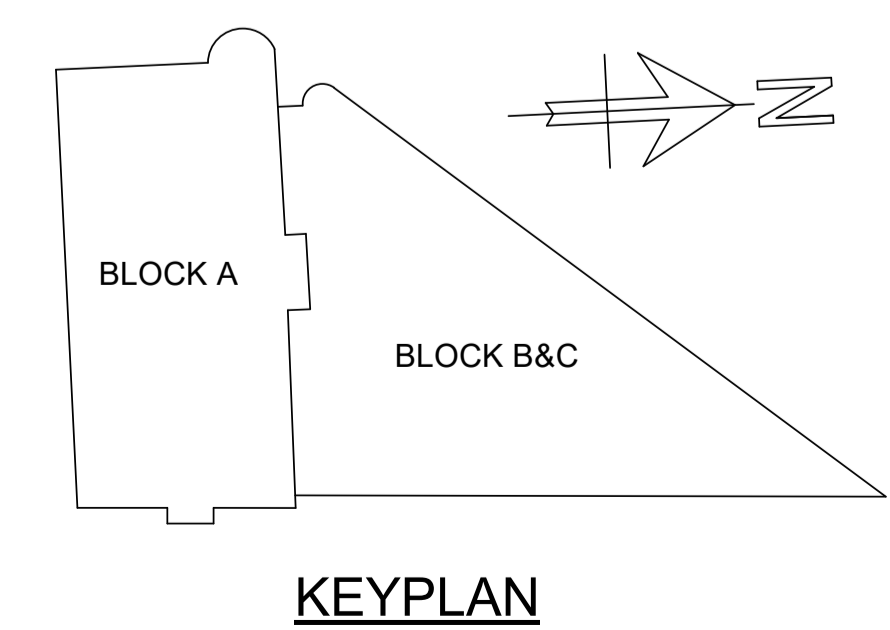
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PLAN 1
 1 : 100 S-00300
 DEM-LEVEL 04



P02	PLANNING & LBC ISSUE	16/12	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12	AC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
 HUDDERSFIELD



DEMOLITION PLAN
 FOURTH FLOOR

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 100	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-04-DR-S-00165	P02		

- NOTES
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 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.

DEMOLITION KEY

PATTERN	DESCRIPTION
	AREA OF SUSPENDED FLOOR TO BE DEMOLISHED
	AREA OF BASEMENT FLOOR TO BE DEMOLISHED
	MASONRY WALL TO BE DEMOLISHED
	PARTIAL REMOVAL OF FOOTING TO EXISTING MASONRY WALL
	INDICATES ASSUMED NON LOAD BEARING PARTITION WALL TO BE DEMOLISHED

THE EXISTING STRUCTURAL INFORMATION SHOWN ON THESE DRAWINGS IS BASED ON A VISUAL INSPECTION OF THE BUILDING, LIMITED OPENING UP WORKS, INCOMPLETE ARCHIVE INFORMATION. ALL DETAILS OF THE EXISTING CONSTRUCTION ARE SUBJECT TO CONFIRMATION BY THE CONTRACTOR DURING THE WORKS ON SITE.

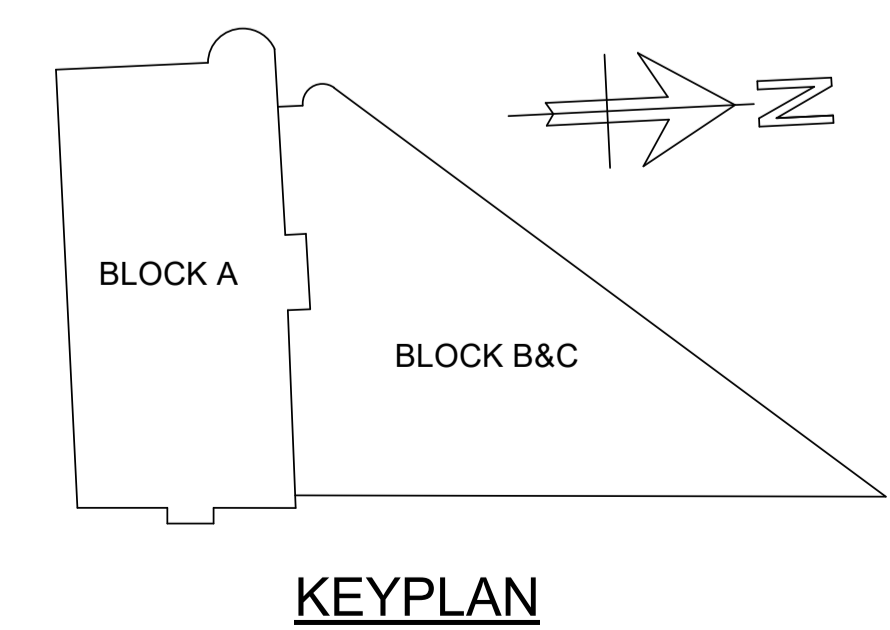
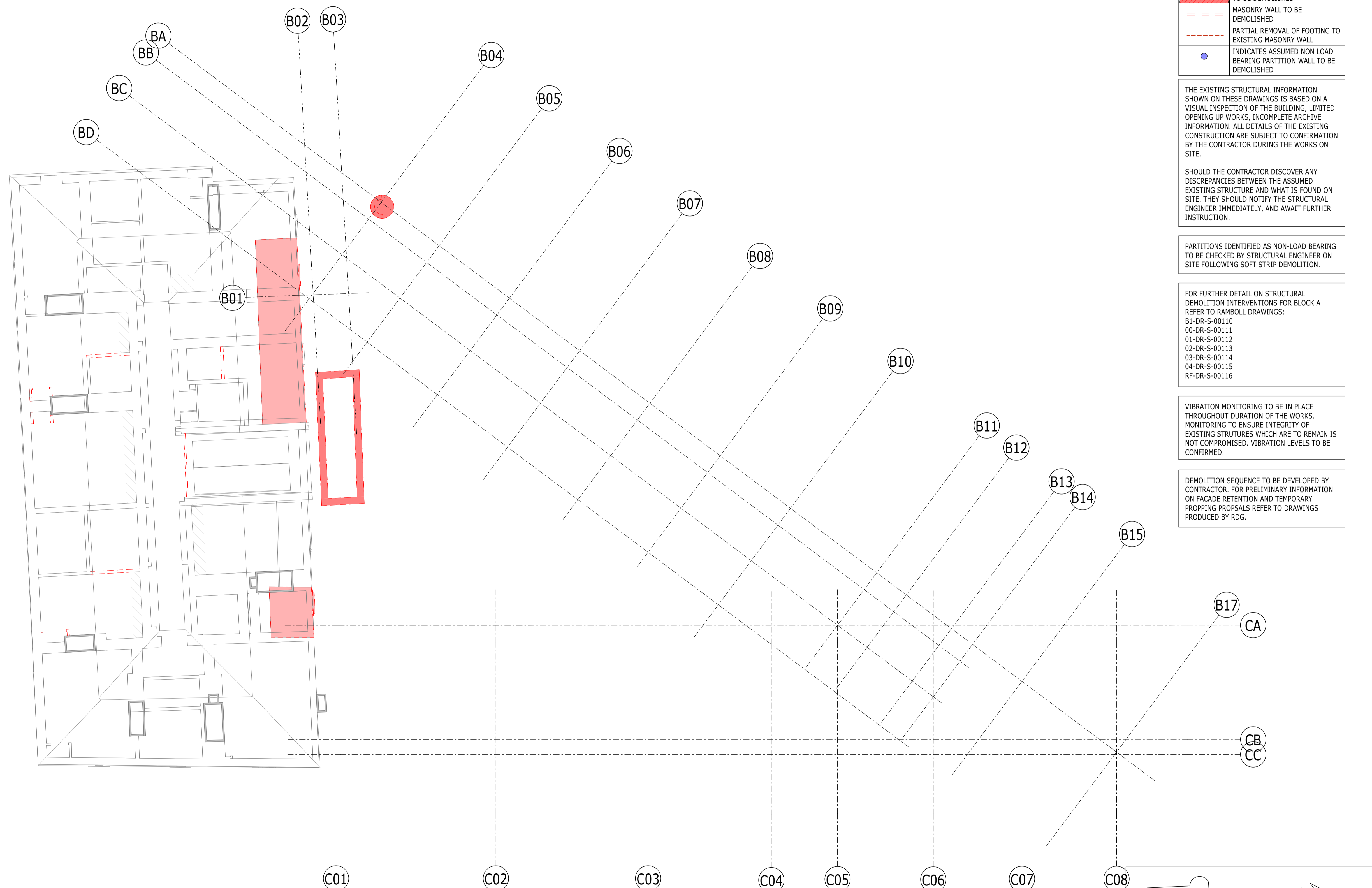
SHOULD THE CONTRACTOR DISCOVER ANY DISCREPANCIES BETWEEN THE ASSUMED EXISTING STRUCTURE AND WHAT IS FOUND ON SITE, THEY SHOULD NOTIFY THE STRUCTURAL ENGINEER IMMEDIATELY, AND AWAIT FURTHER INSTRUCTION.

PARTITIONS IDENTIFIED AS NON-LOAD BEARING TO BE CHECKED BY STRUCTURAL ENGINEER ON SITE FOLLOWING SOFT STRIP DEMOLITION.

FOR FURTHER DETAIL ON STRUCTURAL DEMOLITION INTERVENTIONS FOR BLOCK A REFER TO RAMBOLL DRAWINGS:
 B1-DR-S-00110
 00-DR-S-00111
 01-DR-S-00112
 02-DR-S-00113
 03-DR-S-00114
 04-DR-S-00115
 RF-DR-S-00116

VIBRATION MONITORING TO BE IN PLACE THROUGHOUT DURATION OF THE WORKS. MONITORING TO ENSURE INTEGRITY OF EXISTING STRUCTURES WHICH ARE TO REMAIN IS NOT COMPROMISED. VIBRATION LEVELS TO BE CONFIRMED.

DEMOLITION SEQUENCE TO BE DEVELOPED BY CONTRACTOR. FOR PRELIMINARY INFORMATION ON FACADE RETENTION AND TEMPORARY PROPPING PROPSALS REFER TO DRAWINGS PRODUCED BY RDG.



PLAN 1
 1 : 100 S-00116
 DEM-RF LEVEL

P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
 HUDDERSFIELD



DEMOLITION PLAN
 ROOF LEVEL

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 100	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-RF-DR-S-00166	P02		

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UNFACTORED VARIABLE LOAD

PATTERN	DESCRIPTION	LOAD kN/m ²
[Yellow]	CIRCULATION	4.0
[Green]	BEDROOMS	2.0+1.0 (PARTITIONS) = 3.0
[Pink]	KITCHENS	3.0
[Cyan]	DINING/BANQUET HALL	5.0
[Blue]	WALKWAYS (2-WAY PEDESTRIAN TRAFFIC)	5.0
[Orange]	STORAGE SPACE	5.0
[Red]	ROOF LOADING (MAINTENANCE ACCESS ONLY)	0.6
[Green]	PLANT LOADING	7.5
[Grey]	GENERAL USE - STAFF CHANGING	2.5
[Grey]	GENERAL USE - COMMS	3.0
[Blue]	GYM	5.0
[Blue]	WATER TANK LOADING	TBC

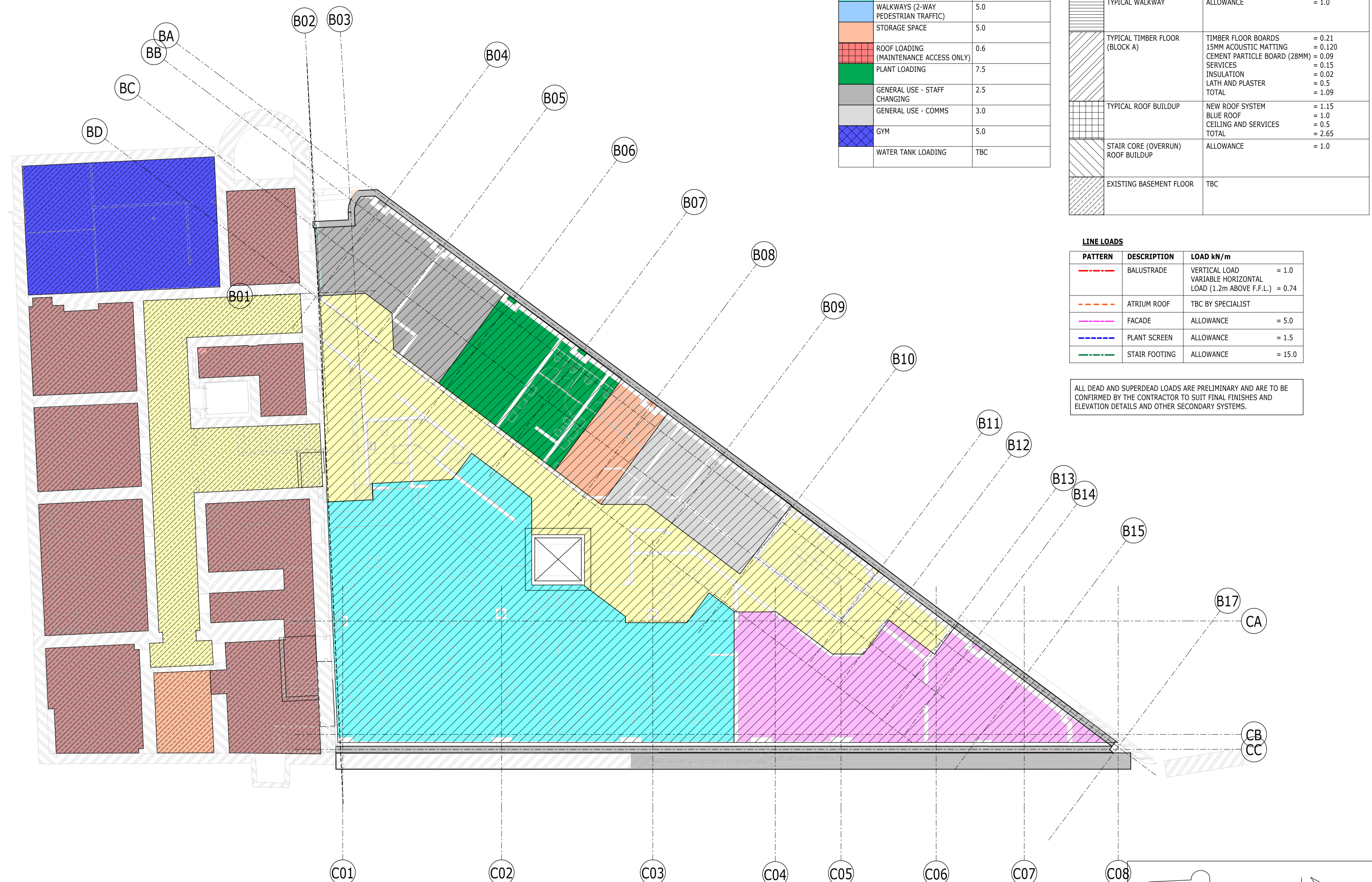
UNFACTORED SUPERIMPOSED DEAD LOAD

PATTERN	DESCRIPTION	LOAD kN/m ²
[Diagonal]	NEW BASEMENT FLOOR	75mm thk SCREED = 1.9 INSULATION & DRAINED CAVITY SYSTEM = 0.5kN/m LOWER SCREED = 1.9
[Diagonal]	TYPICAL FLOOR BUILDUP	75mm SCREED = 1.9 ALLOW FOR CEILING & SERVICES = 0.5 TOTAL = 2.4
[Diagonal]	TYPICAL WALKWAY	ALLOWANCE = 1.0
[Diagonal]	TYPICAL TIMBER FLOOR (BLOCK A)	TIMBER FLOOR BOARDS = 0.21 15MM ACOUSTIC MATTING = 0.120 CEMENT PARTICLE BOARD (28MM) = 0.09 SERVICES = 0.15 INSULATION = 0.02 LATH AND PLASTER = 0.5 TOTAL = 1.09
[Diagonal]	TYPICAL ROOF BUILDUP	NEW ROOF SYSTEM = 1.15 BLUE ROOF = 1.0 CEILING AND SERVICES = 0.5 TOTAL = 2.65
[Diagonal]	STAIR CORE (OVERRUN) ROOF BUILDUP	ALLOWANCE = 1.0
[Diagonal]	EXISTING BASEMENT FLOOR	TBC

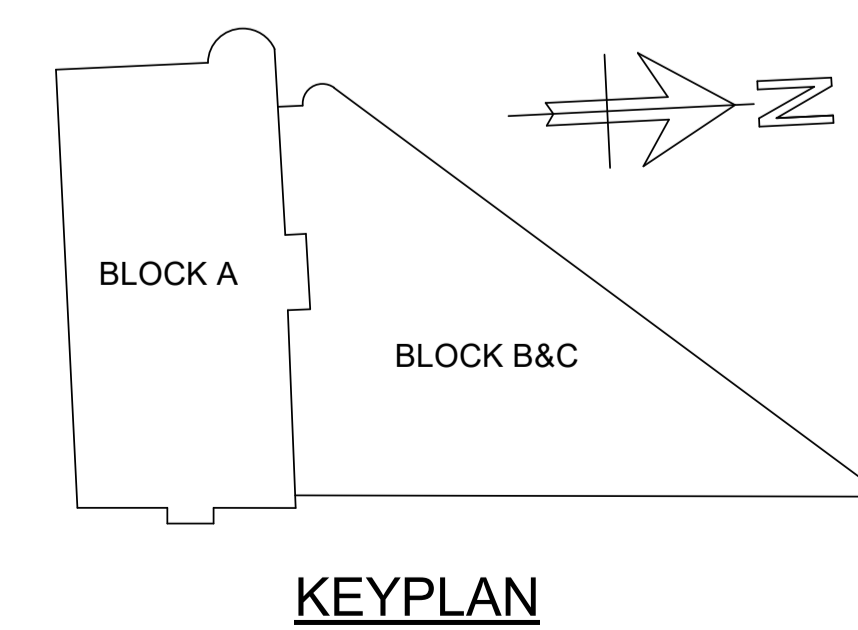
LINE LOADS

PATTERN	DESCRIPTION	LOAD kN/m
[Red dashed]	BALUSTRADE	VERTICAL LOAD = 1.0 VARIABLE HORIZONTAL LOAD (1.2m ABOVE F.F.L.) = 0.74
[Orange dashed]	ATRIUM ROOF	TBC BY SPECIALIST
[Pink dashed]	FACADE	ALLOWANCE = 5.0
[Blue dashed]	PLANT SCREEN	ALLOWANCE = 1.5
[Green dashed]	STAIR FOOTING	ALLOWANCE = 15.0

ALL DEAD AND SUPERDEAD LOADS ARE PRELIMINARY AND ARE TO BE CONFIRMED BY THE CONTRACTOR TO SUIT FINAL FINISHES AND ELEVATION DETAILS AND OTHER SECONDARY SYSTEMS.



PLAN
1 : 100
LP-LEVEL B1



P02	PLANNING & LBC ISSUE	16/12	JC	PM
P01	PRELIMINARY DRAFT ISSUE	20/12	AC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



LOADING PLAN
BASEMENT LEVEL

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 100	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-B1-DR-S-00170	P02		

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UNFACTORED VARIABLE LOAD

PATTERN	DESCRIPTION	LOAD kN/m ²
[Yellow]	CIRCULATION	4.0
[Green]	BEDROOMS	2.0+1.0 (PARTITIONS) = 3.0
[Pink]	KITCHENS	3.0
[Cyan]	DINING/BANQUET HALL	5.0
[Blue]	WALKWAYS (2-WAY PEDESTRIAN TRAFFIC)	5.0
[Orange]	STORAGE SPACE	5.0
[Red]	ROOF LOADING (MAINTENANCE ACCESS ONLY)	0.6
[Green]	PLANT LOADING	7.5
[Grey]	GENERAL USE - STAFF CHANGING	2.5
[Grey]	GENERAL USE - COMMS	3.0
[Blue]	GYM	5.0
[Blue]	WATER TANK LOADING	TBC

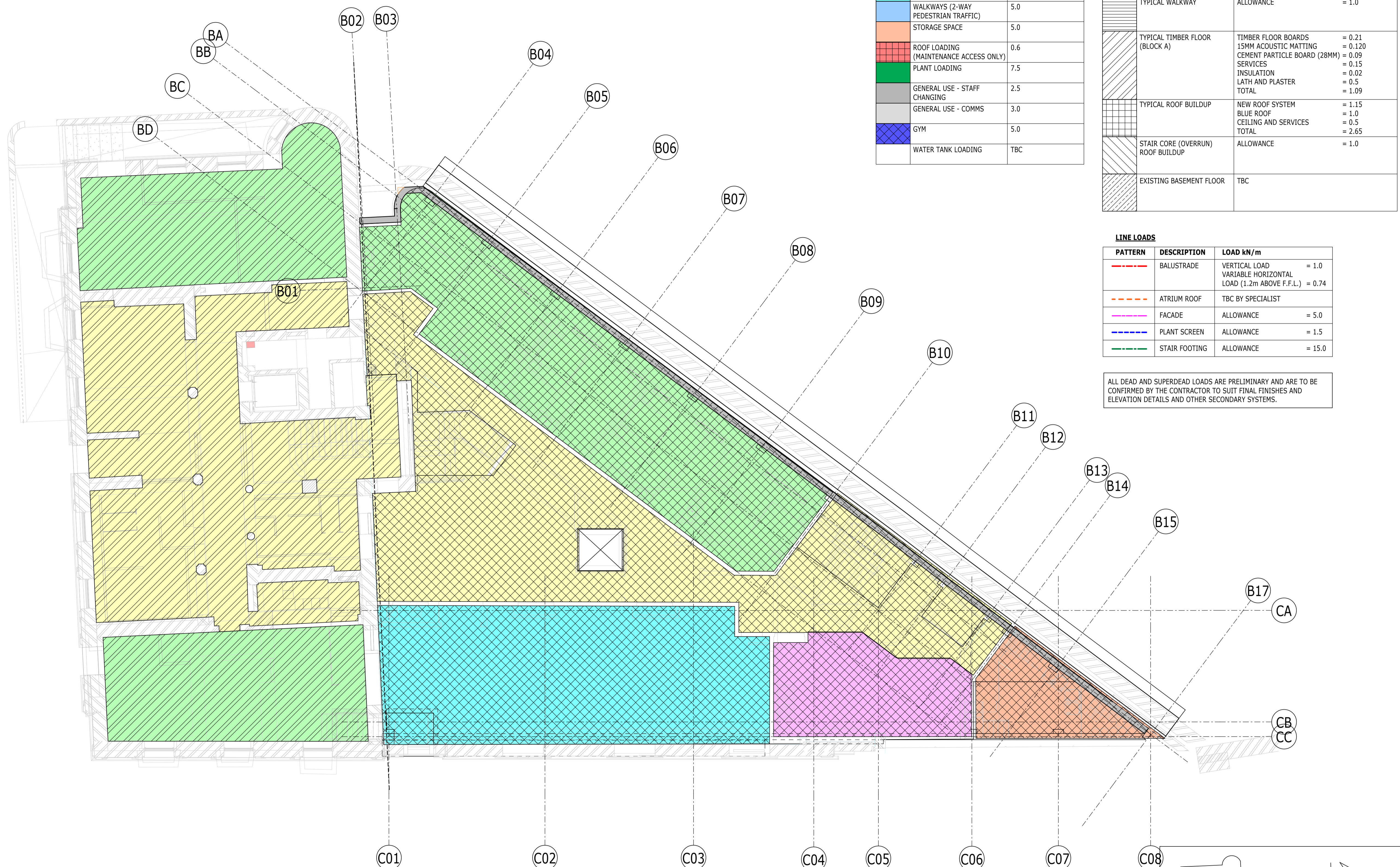
UNFACTORED SUPERIMPOSED DEAD LOAD

PATTERN	DESCRIPTION	LOAD kN/m ²
[Diagonal Hatching]	NEW BASEMENT FLOOR	75mm thk SCREED = 1.9 INSULATION & DRAINED CAVITY SYSTEM = 0.5kN/m LOWER SCREED = 1.9
[Diagonal Hatching]	TYPICAL FLOOR BUILDUP	75mm SCREED = 1.9 ALLOW FOR CEILING & SERVICES = 0.5 TOTAL = 2.4
[Diagonal Hatching]	TYPICAL WALKWAY	ALLOWANCE = 1.0
[Diagonal Hatching]	TYPICAL TIMBER FLOOR (BLOCK A)	TIMBER FLOOR BOARDS = 0.21 15MM ACOUSTIC MATTING = 0.120 CEMENT PARTICLE BOARD (28MM) = 0.09 SERVICES = 0.15 INSULATION = 0.02 LATH AND PLASTER = 0.5 TOTAL = 1.09
[Diagonal Hatching]	TYPICAL ROOF BUILDUP	NEW ROOF SYSTEM = 1.15 BLUE ROOF = 1.0 CEILING AND SERVICES = 0.5 TOTAL = 2.65
[Diagonal Hatching]	STAIR CORE (OVERRUN) ROOF BUILDUP	ALLOWANCE = 1.0
[Diagonal Hatching]	EXISTING BASEMENT FLOOR	TBC

LINE LOADS

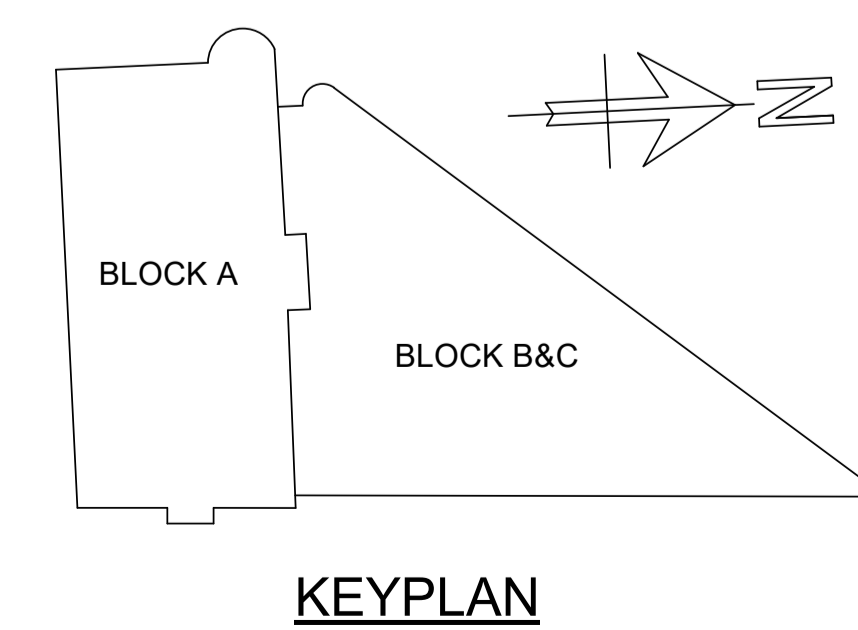
PATTERN	DESCRIPTION	LOAD kN/m
[Red Dashed]	BALUSTRADE	VERTICAL LOAD = 1.0 VARIABLE HORIZONTAL LOAD (1.2m ABOVE F.F.L.) = 0.74
[Orange Dashed]	ATRIUM ROOF	TBC BY SPECIALIST
[Pink Dashed]	FACADE	ALLOWANCE = 5.0
[Blue Dashed]	PLANT SCREEN	ALLOWANCE = 1.5
[Green Dashed]	STAIR FOOTING	ALLOWANCE = 15.0

ALL DEAD AND SUPERDEAD LOADS ARE PRELIMINARY AND ARE TO BE CONFIRMED BY THE CONTRACTOR TO SUIT FINAL FINISHES AND ELEVATION DETAILS AND OTHER SECONDARY SYSTEMS.



PLAN
1 : 100
LP-LEVEL 00

1
S-00205



P02	PLANNING & LBC ISSUE	16/12	JC	PM
P01	PRELIMINARY DRAFT ISSUE	20/12	AC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



LOADING PLAN
GROUND FLOOR

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 100	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-00-DR-S-00171	P02		

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UNFACTORED VARIABLE LOAD

PATTERN	DESCRIPTION	LOAD kN/m ²
[Yellow]	CIRCULATION	4.0
[Light Green]	BEDROOMS	2.0+1.0 (PARTITIONS) = 3.0
[Pink]	KITCHENS	3.0
[Cyan]	DINING/BANQUET HALL	5.0
[Blue]	WALKWAYS (2-WAY PEDESTRIAN TRAFFIC)	5.0
[Orange]	STORAGE SPACE	5.0
[Red]	ROOF LOADING (MAINTENANCE ACCESS ONLY)	0.6
[Green]	PLANT LOADING	7.5
[Grey]	GENERAL USE - STAFF CHANGING	2.5
[Light Grey]	GENERAL USE - COMMS	3.0
[Blue-Checkered]	GYM	5.0
[White]	WATER TANK LOADING	TBC

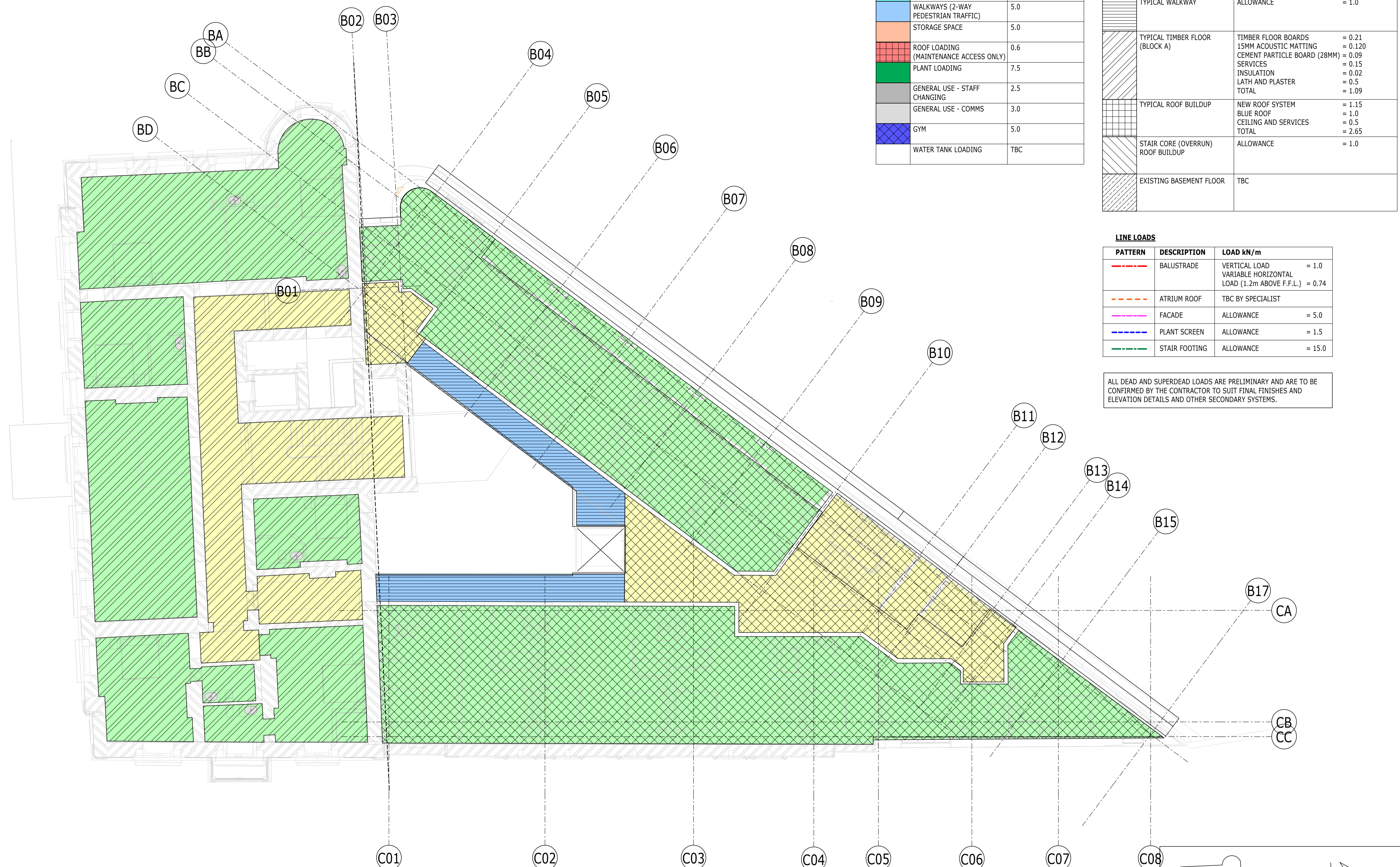
UNFACTORED SUPERIMPOSED DEAD LOAD

PATTERN	DESCRIPTION	LOAD kN/m ²
[Diagonal Lines]	NEW BASEMENT FLOOR	75mm thk SCREED = 1.9 INSULATION & DRAINED CAVITY SYSTEM = 0.5kN/m LOWER SCREED = 1.9
[Diagonal Lines]	TYPICAL FLOOR BUILDUP	75mm SCREED = 1.9 ALLOW FOR CEILING & SERVICES = 0.5 TOTAL = 2.4
[Diagonal Lines]	TYPICAL WALKWAY	ALLOWANCE = 1.0
[Diagonal Lines]	TYPICAL TIMBER FLOOR (BLOCK A)	TIMBER FLOOR BOARDS = 0.21 15MM ACOUSTIC MATTING = 0.120 CEMENT PARTICLE BOARD (28MM) = 0.09 SERVICES = 0.15 INSULATION = 0.02 LATH AND PLASTER = 0.5 TOTAL = 1.09
[Diagonal Lines]	TYPICAL ROOF BUILDUP	NEW ROOF SYSTEM = 1.15 BLUE ROOF = 1.0 CEILING AND SERVICES = 0.5 TOTAL = 2.65
[Diagonal Lines]	STAIR CORE (OVERRUN) ROOF BUILDUP	ALLOWANCE = 1.0
[Diagonal Lines]	EXISTING BASEMENT FLOOR	TBC

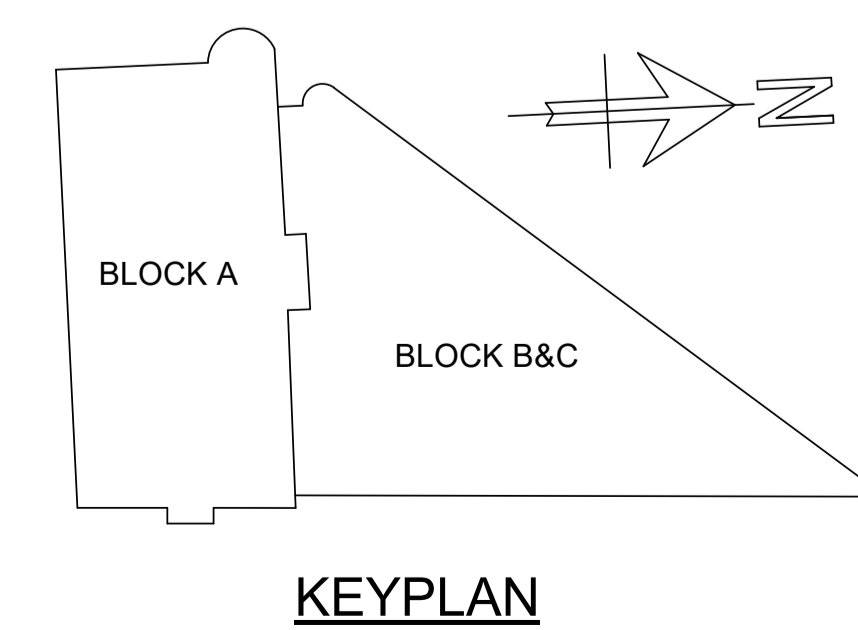
LINE LOADS

PATTERN	DESCRIPTION	LOAD kN/m
[Red-Dashed]	BALUSTRADE	VERTICAL LOAD = 1.0 VARIABLE HORIZONTAL LOAD (1.2m ABOVE F.F.L.) = 0.74
[Orange-Dashed]	ATRIUM ROOF	TBC BY SPECIALIST
[Pink-Dashed]	FACADE	ALLOWANCE = 5.0
[Blue-Dashed]	PLANT SCREEN	ALLOWANCE = 1.5
[Green-Dashed]	STAIR FOOTING	ALLOWANCE = 15.0

ALL DEAD AND SUPERDEAD LOADS ARE PRELIMINARY AND ARE TO BE CONFIRMED BY THE CONTRACTOR TO SUIT FINAL FINISHES AND ELEVATION DETAILS AND OTHER SECONDARY SYSTEMS.



PLAN 1
1 : 100 S-00206
LP-LEVEL 01



P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



LOADING PLAN
FIRST FLOOR

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 100	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-01-DR-S-00172	P02		



UNFACTORED VARIABLE LOAD		
PATTERN	DESCRIPTION	LOAD kN/m ²
[Yellow]	CIRCULATION	4.0
[Green]	BEDROOMS	2.0+1.0 (PARTITIONS) = 3.0
[Pink]	KITCHENS	3.0
[Cyan]	DINING/BANQUET HALL	5.0
[Blue]	WALKWAYS (2-WAY PEDESTRIAN TRAFFIC)	5.0
[Orange]	STORAGE SPACE	5.0
[Red]	ROOF LOADING (MAINTENANCE ACCESS ONLY)	0.6
[Green]	PLANT LOADING	7.5
[Grey]	GENERAL USE - STAFF CHANGING	2.5
[Light Grey]	GENERAL USE - COMMS	3.0
[Blue]	GYM	5.0
[Yellow]	WATER TANK LOADING	TBC

UNFACTORED SUPERIMPOSED DEAD LOAD		
PATTERN	DESCRIPTION	LOAD kN/m ²
[Diagonal Hatching]	NEW BASEMENT FLOOR	75mm thk SCREED = 1.9 INSULATION & DRAINED CAVITY SYSTEM = 0.5kN/m LOWER SCREED = 1.9
[Diagonal Hatching]	TYPICAL FLOOR BUILDUP	75mm SCREED = 1.9 ALLOW FOR CEILING & SERVICES = 0.5 TOTAL = 2.4
[Diagonal Hatching]	TYPICAL WALKWAY	ALLOWANCE = 1.0
[Diagonal Hatching]	TYPICAL TIMBER FLOOR (BLOCK A)	TIMBER FLOOR BOARDS = 0.21 15MM ACOUSTIC MATTING = 0.120 CEMENT PARTICLE BOARD (28MM) = 0.09 SERVICES = 0.15 INSULATION = 0.02 LATH AND PLASTER = 0.5 TOTAL = 1.09
[Diagonal Hatching]	TYPICAL ROOF BUILDUP	NEW ROOF SYSTEM = 1.15 BLUE ROOF = 1.0 CEILING AND SERVICES = 0.5 TOTAL = 2.65
[Diagonal Hatching]	STAIR CORE (OVERRUN) ROOF BUILDUP	ALLOWANCE = 1.0
[Diagonal Hatching]	EXISTING BASEMENT FLOOR	TBC

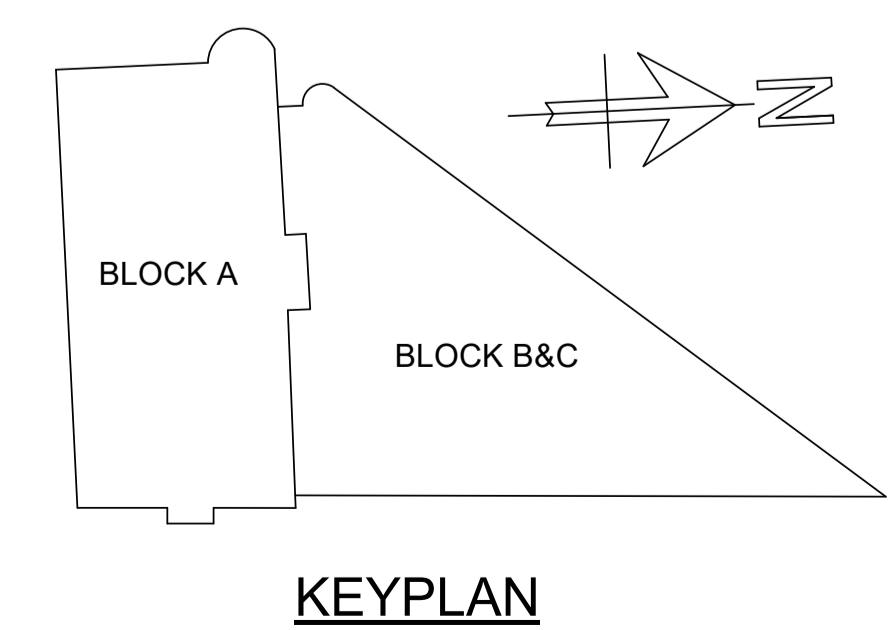
LINE LOADS		
PATTERN	DESCRIPTION	LOAD kN/m
[Red Dashed]	BALUSTRADE	VERTICAL LOAD = 1.0 VARIABLE HORIZONTAL LOAD (1.2m ABOVE F.F.L.) = 0.74
[Orange Dashed]	ATRIUM ROOF	TBC BY SPECIALIST
[Pink Dashed]	FACADE	ALLOWANCE = 5.0
[Blue Dashed]	PLANT SCREEN	ALLOWANCE = 1.5
[Green Dashed]	STAIR FOOTING	ALLOWANCE = 15.0

ALL DEAD AND SUPERDEAD LOADS ARE PRELIMINARY AND ARE TO BE CONFIRMED BY THE CONTRACTOR TO SUIT FINAL FINISHES AND ELEVATION DETAILS AND OTHER SECONDARY SYSTEMS.

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PLAN
1 : 100
S-00300
LP-LEVEL 02



P02	PLANNING & LBC ISSUE	16/12	JC	PM
P01	PRELIMINARY DRAFT ISSUE	20/12	AC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



LOADING PLAN
SECOND FLOOR

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 100	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-02-DR-S-00173	P02		

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- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.

UNFACTORED VARIABLE LOAD

PATTERN	DESCRIPTION	LOAD kN/m ²
	CIRCULATION	4.0
	BEDROOMS	2.0+1.0 (PARTITIONS) = 3.0
	KITCHENS	3.0
	DINING/BANQUET HALL	5.0
	WALKWAYS (2-WAY PEDESTRIAN TRAFFIC)	5.0
	STORAGE SPACE	5.0
	ROOF LOADING (MAINTENANCE ACCESS ONLY)	0.6
	PLANT LOADING	7.5
	GENERAL USE - STAFF CHANGING	2.5
	GENERAL USE - COMMS	3.0
	GYM	5.0
	WATER TANK LOADING	TBC

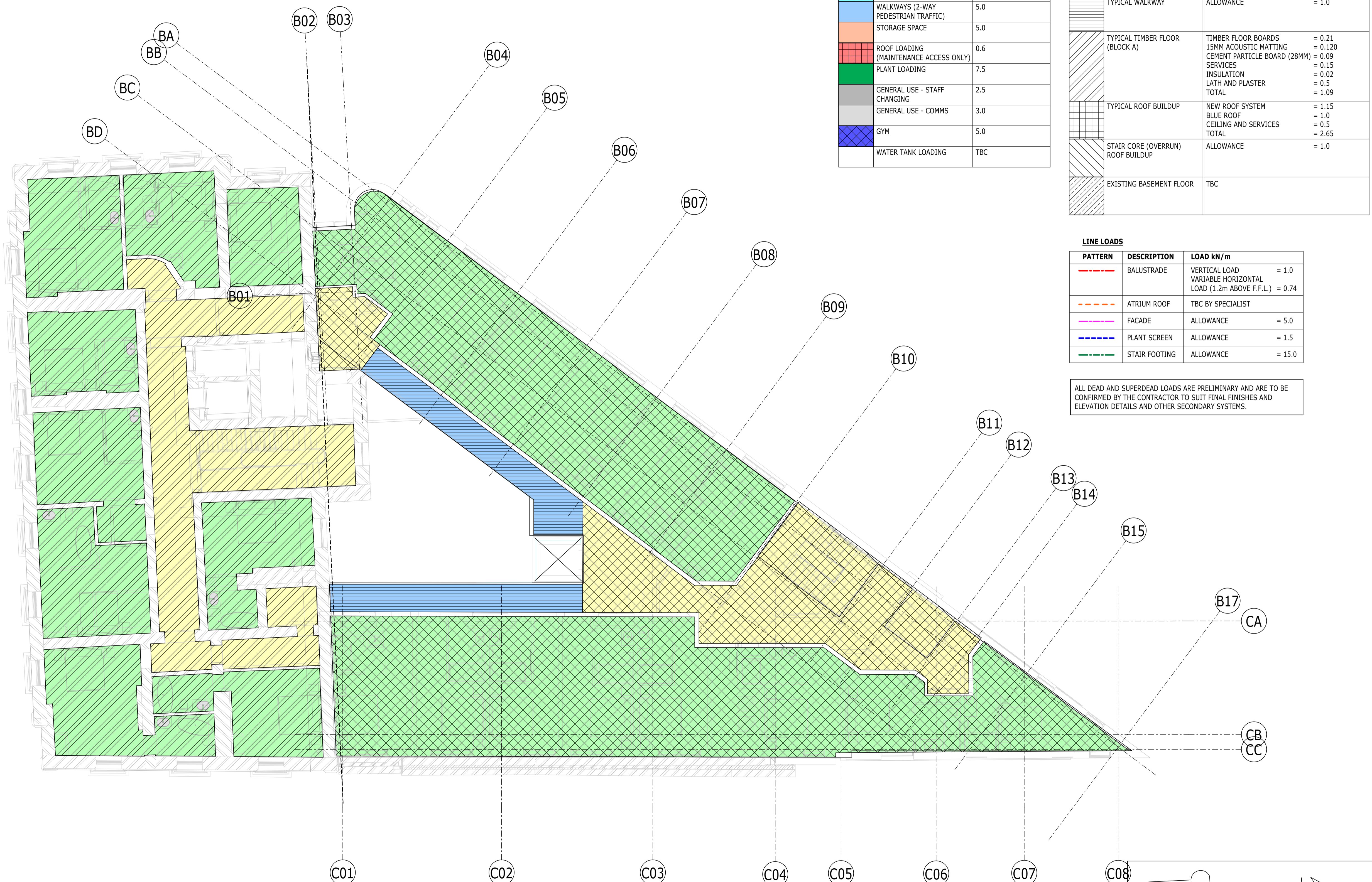
UNFACTORED SUPERIMPOSED DEAD LOAD

PATTERN	DESCRIPTION	LOAD kN/m ²
	NEW BASEMENT FLOOR	75mm thk SCREED = 1.9 INSULATION & DRAINED CAVITY SYSTEM = 0.5kN/m LOWER SCREED = 1.9
	TYPICAL FLOOR BUILDUP	75mm SCREED = 1.9 ALLOW FOR CEILING & SERVICES = 0.5 TOTAL = 2.4
	TYPICAL WALKWAY	ALLOWANCE = 1.0
	TYPICAL TIMBER FLOOR (BLOCK A)	TIMBER FLOOR BOARDS = 0.21 15MM ACOUSTIC MATTING = 0.120 CEMENT PARTICLE BOARD (28MM) = 0.09 SERVICES = 0.15 INSULATION = 0.02 LATH AND PLASTER = 0.5 TOTAL = 1.09
	TYPICAL ROOF BUILDUP	NEW ROOF SYSTEM = 1.15 BLUE ROOF = 1.0 CEILING AND SERVICES = 0.5 TOTAL = 2.65
	STAIR CORE (OVERRUN) ROOF BUILDUP	ALLOWANCE = 1.0
	EXISTING BASEMENT FLOOR	TBC

LINE LOADS

PATTERN	DESCRIPTION	LOAD kN/m
	BALUSTRADE	VERTICAL LOAD = 1.0 VARIABLE HORIZONTAL LOAD (1.2m ABOVE F.F.L.) = 0.74
	ATRIUM ROOF	TBC BY SPECIALIST
	FACADE	ALLOWANCE = 5.0
	PLANT SCREEN	ALLOWANCE = 1.5
	STAIR FOOTING	ALLOWANCE = 15.0

ALL DEAD AND SUPERDEAD LOADS ARE PRELIMINARY AND ARE TO BE CONFIRMED BY THE CONTRACTOR TO SUIT FINAL FINISHES AND ELEVATION DETAILS AND OTHER SECONDARY SYSTEMS.



PLAN
1 : 100
LP-LEVEL 03

1
S-00300

P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

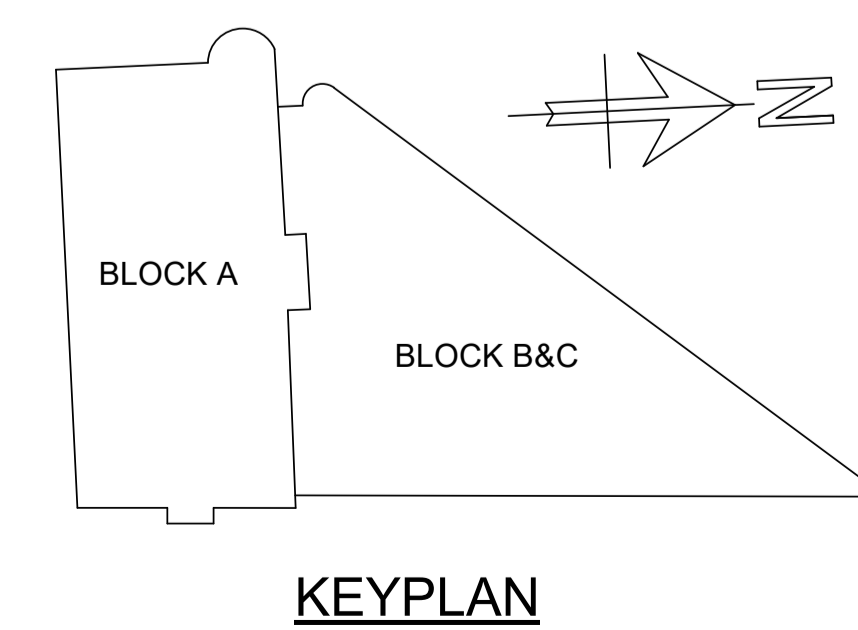
THE GEORGE HOTEL
HUDDERSFIELD

RAMBOLL

tel 01244 311855 chester@ramboll.co.uk
www.ramboll.co.uk

LOADING PLAN
THIRD FLOOR

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 100	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-03-DR-S-00174	P02		



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UNFACTORED VARIABLE LOAD

PATTERN	DESCRIPTION	LOAD kN/m ²
[Yellow]	CIRCULATION	4.0
[Green]	BEDROOMS	2.0+1.0 (PARTITIONS) = 3.0
[Pink]	KITCHENS	3.0
[Cyan]	DINING/BANQUET HALL	5.0
[Blue]	WALKWAYS (2-WAY PEDESTRIAN TRAFFIC)	5.0
[Orange]	STORAGE SPACE	5.0
[Red]	ROOF LOADING (MAINTENANCE ACCESS ONLY)	0.6
[Green]	PLANT LOADING	7.5
[Grey]	GENERAL USE - STAFF CHANGING	2.5
[Grey]	GENERAL USE - COMMS	3.0
[Blue]	GYM	5.0
[Blue]	WATER TANK LOADING	TBC

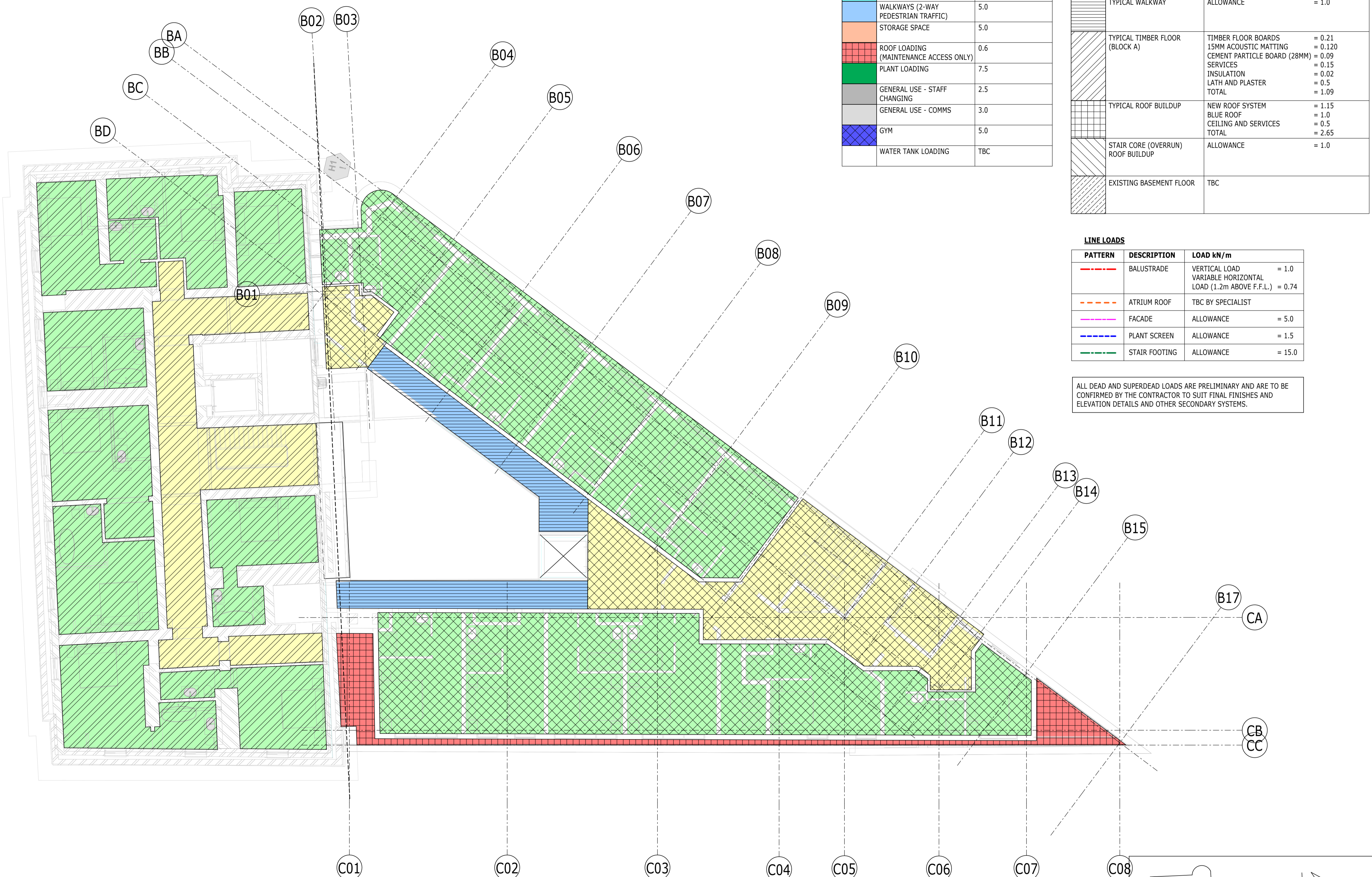
UNFACTORED SUPERIMPOSED DEAD LOAD

PATTERN	DESCRIPTION	LOAD kN/m ²
[Diagonal]	NEW BASEMENT FLOOR	75mm thk SCREED = 1.9 INSULATION & DRAINED CAVITY SYSTEM = 0.5kN/m LOWER SCREED = 1.9
[Diagonal]	TYPICAL FLOOR BUILDUP	75mm SCREED = 1.9 ALLOW FOR CEILING & SERVICES = 0.5 TOTAL = 2.4
[Diagonal]	TYPICAL WALKWAY	ALLOWANCE = 1.0
[Diagonal]	TYPICAL TIMBER FLOOR (BLOCK A)	TIMBER FLOOR BOARDS = 0.21 15MM ACOUSTIC MATTING = 0.120 CEMENT PARTICLE BOARD (28MM) = 0.09 SERVICES = 0.15 INSULATION = 0.02 LATH AND PLASTER = 0.5 TOTAL = 1.09
[Diagonal]	TYPICAL ROOF BUILDUP	NEW ROOF SYSTEM = 1.15 BLUE ROOF = 1.0 CEILING AND SERVICES = 0.5 TOTAL = 2.65
[Diagonal]	STAIR CORE (OVERRUN) ROOF BUILDUP	ALLOWANCE = 1.0
[Diagonal]	EXISTING BASEMENT FLOOR	TBC

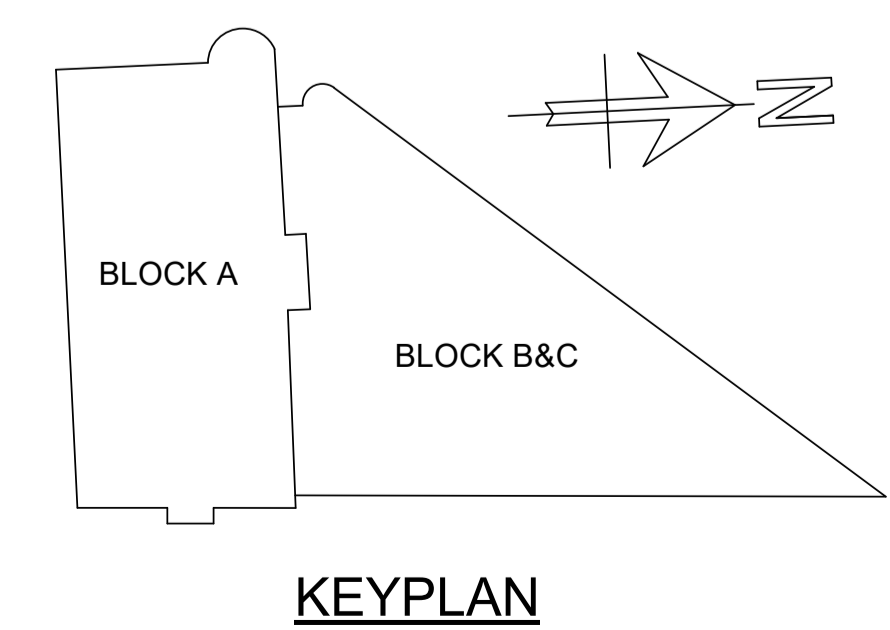
LINE LOADS

PATTERN	DESCRIPTION	LOAD kN/m
[Red dashed]	BALUSTRADE	VERTICAL LOAD = 1.0 VARIABLE HORIZONTAL LOAD (1.2m ABOVE F.F.L.) = 0.74
[Orange dashed]	ATRIUM ROOF	TBC BY SPECIALIST
[Pink dashed]	FACADE	ALLOWANCE = 5.0
[Blue dashed]	PLANT SCREEN	ALLOWANCE = 1.5
[Green dashed]	STAIR FOOTING	ALLOWANCE = 15.0

ALL DEAD AND SUPERDEAD LOADS ARE PRELIMINARY AND ARE TO BE CONFIRMED BY THE CONTRACTOR TO SUIT FINAL FINISHES AND ELEVATION DETAILS AND OTHER SECONDARY SYSTEMS.



PLAN 1
1 : 100
LP-LEVEL 04



P02	PLANNING & LBC ISSUE	16/12	JC	PM
P01	PRELIMINARY DRAFT ISSUE	20/12	AC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



LOADING PLAN
FOURTH FLOOR

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 100	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-04-DR-S-00175	P02		

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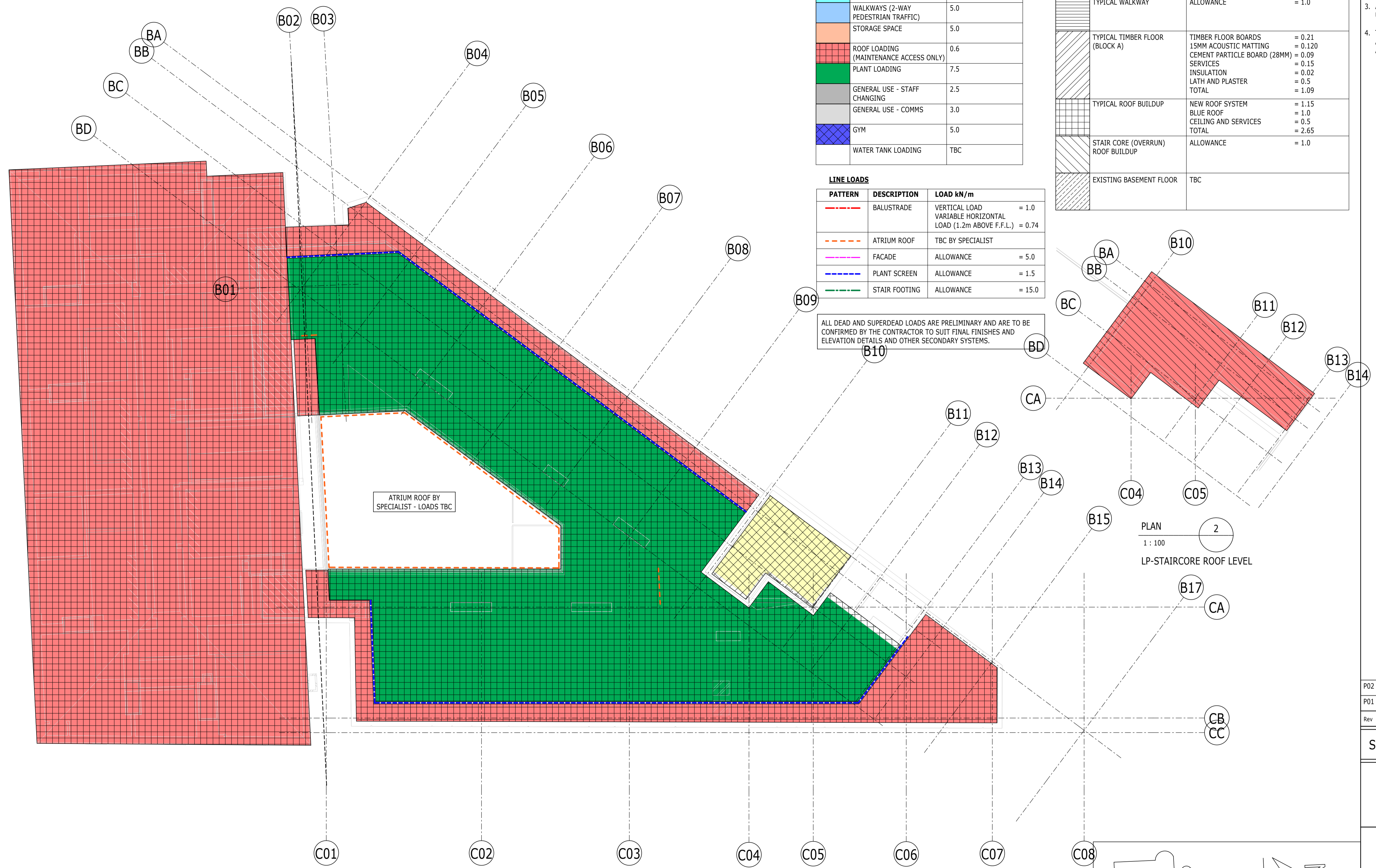
- NOTES
- DO NOT SCALE FROM THIS DRAWING.
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 - ALL LEVELS ARE IN METRES ABOVE ORDANCE DATUM U.N.O.
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UNFACTORED VARIABLE LOAD		
PATTERN	DESCRIPTION	LOAD kN/m ²
[Yellow]	CIRCULATION	4.0
[Green]	BEDROOMS	2.0+1.0 (PARTITIONS) = 3.0
[Pink]	KITCHENS	3.0
[Cyan]	DINING/BANQUET HALL	5.0
[Blue]	WALKWAYS (2-WAY PEDESTRIAN TRAFFIC)	5.0
[Orange]	STORAGE SPACE	5.0
[Red]	ROOF LOADING (MAINTENANCE ACCESS ONLY)	0.6
[Dark Green]	PLANT LOADING	7.5
[Grey]	GENERAL USE - STAFF CHANGING	2.5
[Light Grey]	GENERAL USE - COMMS	3.0
[Blue-Checkered]	GYM	5.0
[White]	WATER TANK LOADING	TBC

UNFACTORED SUPERIMPOSED DEAD LOAD		
PATTERN	DESCRIPTION	LOAD kN/m ²
[Diagonal Lines]	NEW BASEMENT FLOOR	75mm thk SCREED = 1.9 INSULATION & DRAINED CAVITY SYSTEM = 0.5kN/m LOWER SCREED = 1.9
[Cross-hatch]	TYPICAL FLOOR BUILDUP	75mm SCREED = 1.9 ALLOW FOR CEILING & SERVICES = 0.5 TOTAL = 2.4
[Horizontal Lines]	TYPICAL WALKWAY	ALLOWANCE = 1.0
[Vertical Lines]	TYPICAL TIMBER FLOOR (BLOCK A)	TIMBER FLOOR BOARDS = 0.21 15MM ACOUSTIC MATTING = 0.120 CEMENT PARTICLE BOARD (28MM) = 0.09 SERVICES = 0.15 INSULATION = 0.02 LATH AND PLASTER = 0.5 TOTAL = 1.09
[Grid]	TYPICAL ROOF BUILDUP	NEW ROOF SYSTEM = 1.15 BLUE ROOF = 1.0 CEILING AND SERVICES = 0.5 TOTAL = 2.65
[Diagonal Lines]	STAIR CORE (OVERRUN) ROOF BUILDUP	ALLOWANCE = 1.0
[Diagonal Lines]	EXISTING BASEMENT FLOOR	TBC

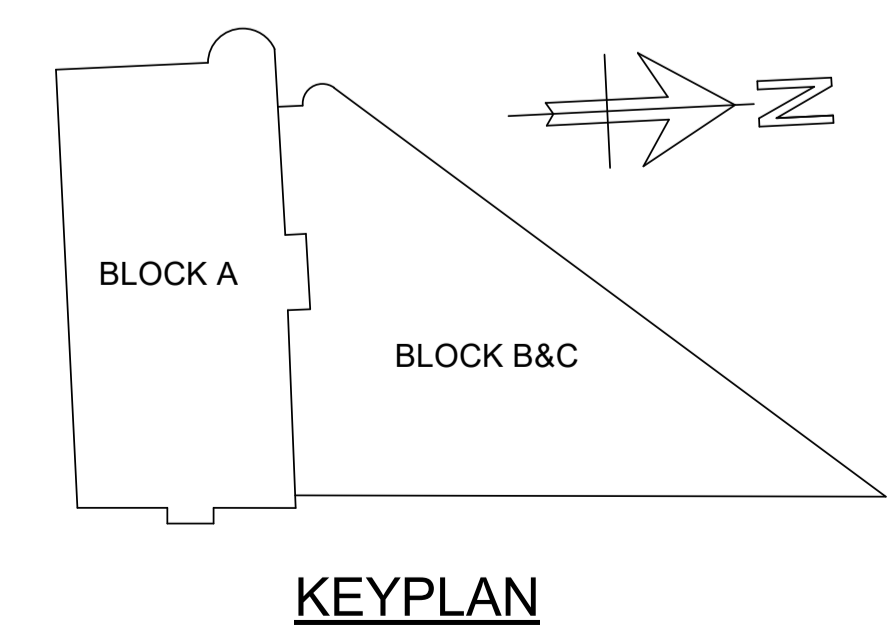
LINE LOADS		
PATTERN	DESCRIPTION	LOAD kN/m
[Red Dashed]	BALUSTRADE	VERTICAL LOAD = 1.0 VARIABLE HORIZONTAL LOAD (1.2m ABOVE F.F.L.) = 0.74
[Orange Dashed]	ATRIUM ROOF	TBC BY SPECIALIST
[Pink Dashed]	FACADE	ALLOWANCE = 5.0
[Blue Dashed]	PLANT SCREEN	ALLOWANCE = 1.5
[Green Dashed]	STAIR FOOTING	ALLOWANCE = 15.0

ALL DEAD AND SUPERDEAD LOADS ARE PRELIMINARY AND ARE TO BE CONFIRMED BY THE CONTRACTOR TO SUIT FINAL FINISHES AND ELEVATION DETAILS AND OTHER SECONDARY SYSTEMS.



PLAN 2
1 : 100
LP-STAIRCORE ROOF LEVEL

PLAN 1
1 : 100
LP-RF LEVEL



P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



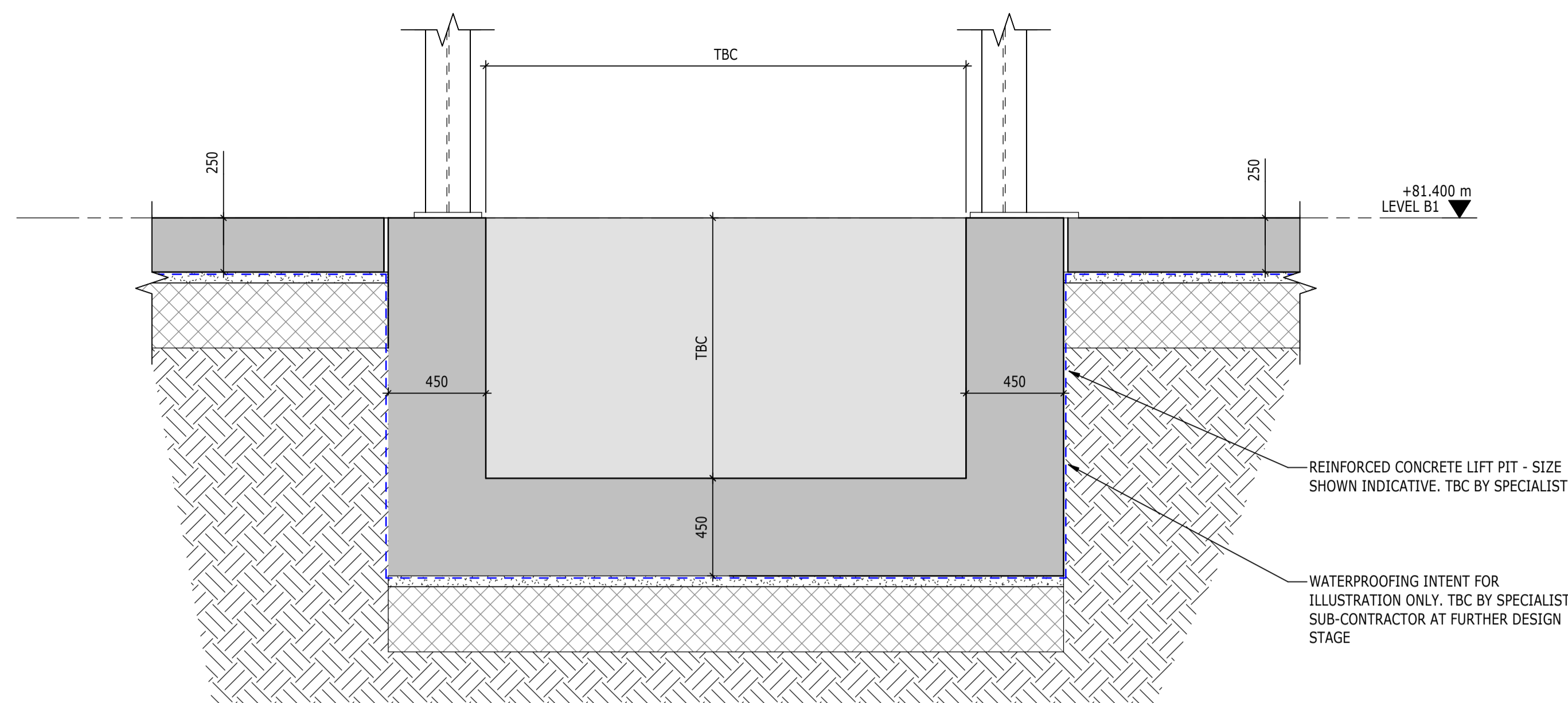
LOADING PLAN
ROOF LEVEL

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 100	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-RF-DR-S-00176	P02		

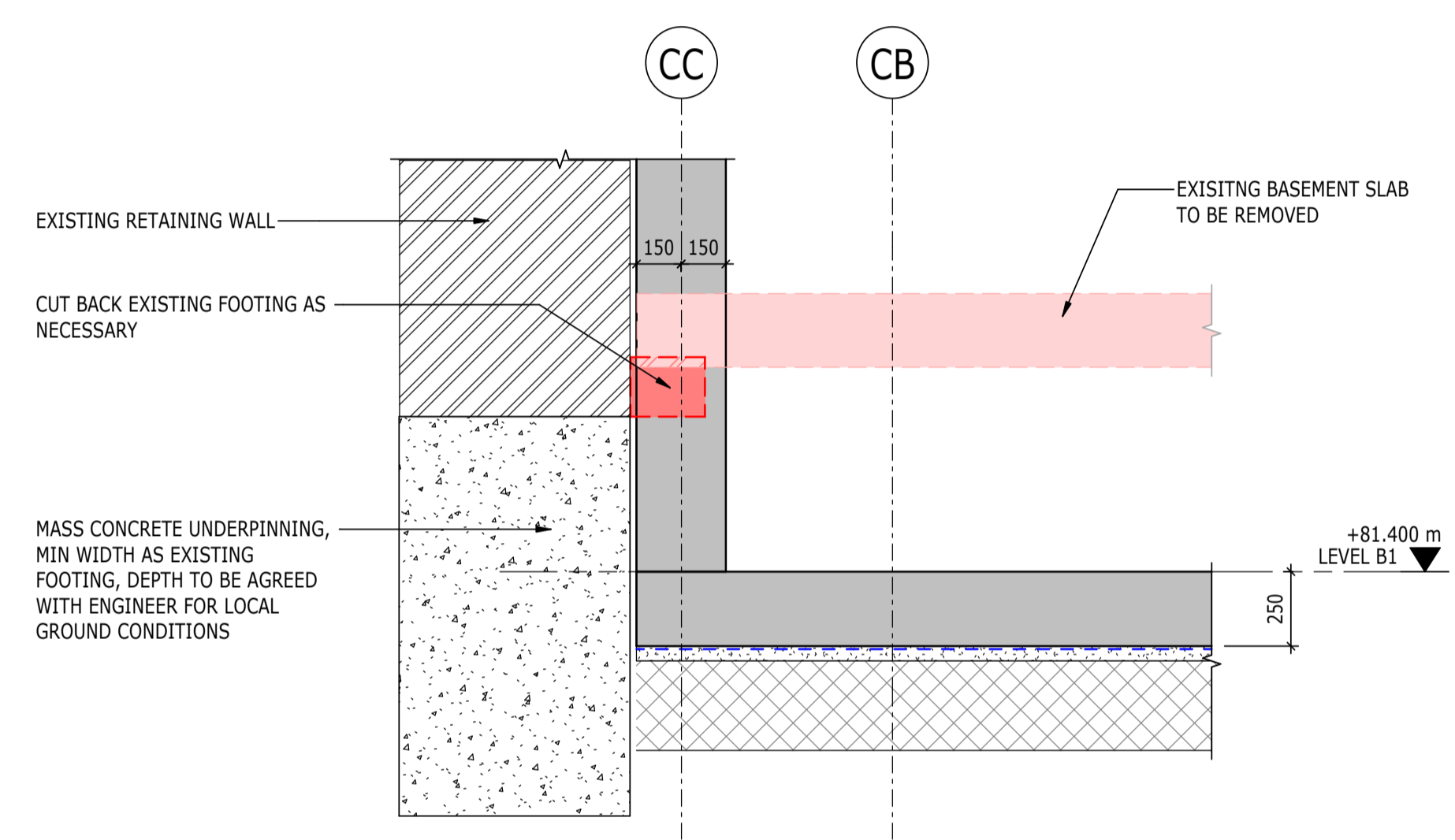
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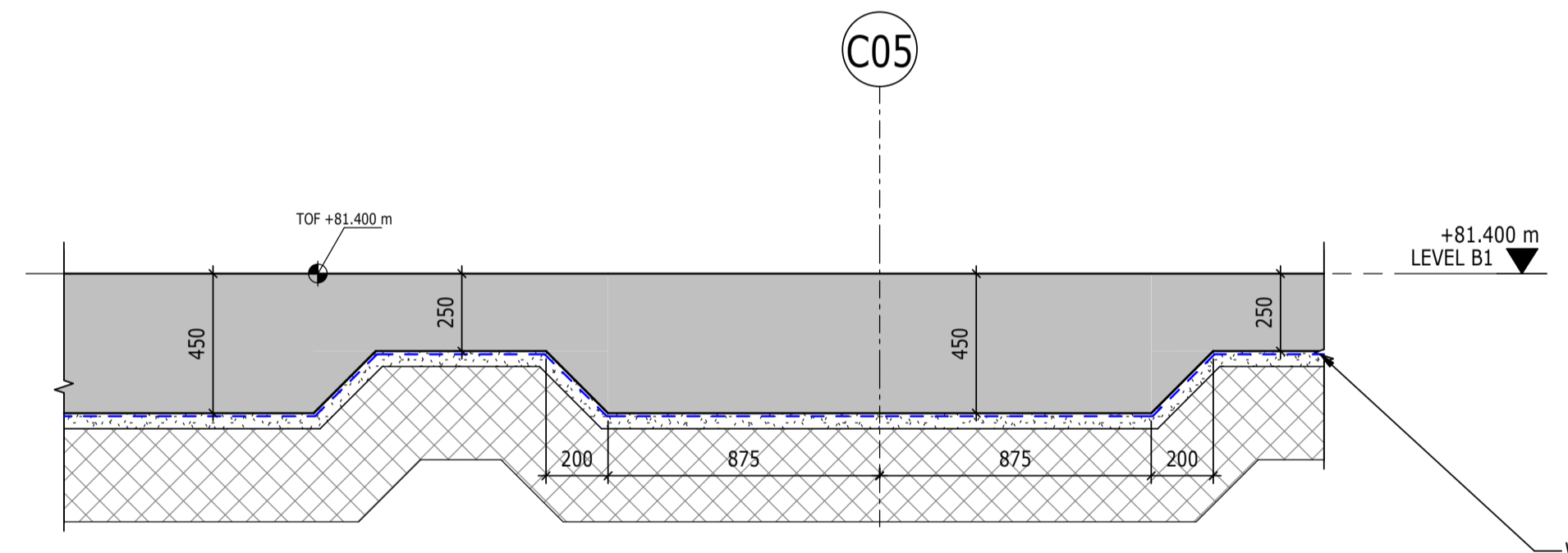
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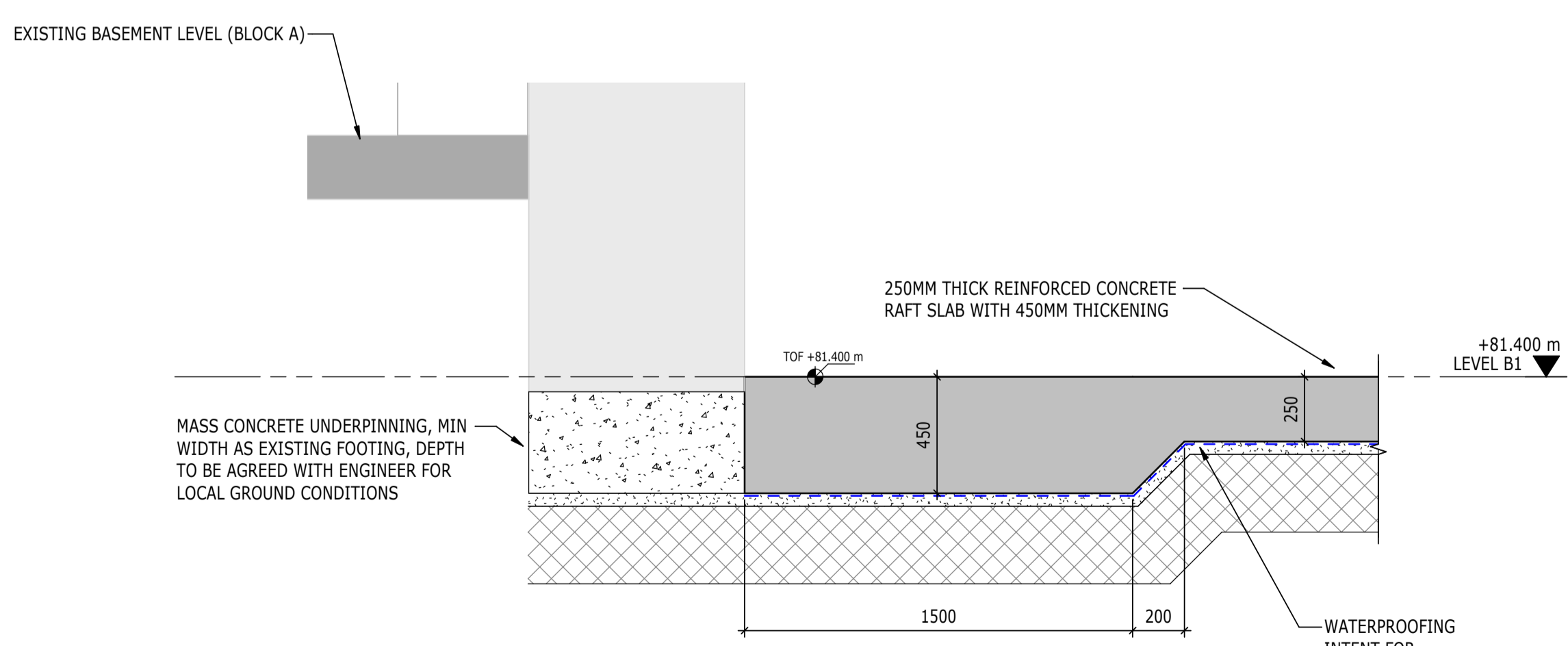
SECTION B1
1 : 20
S-00100



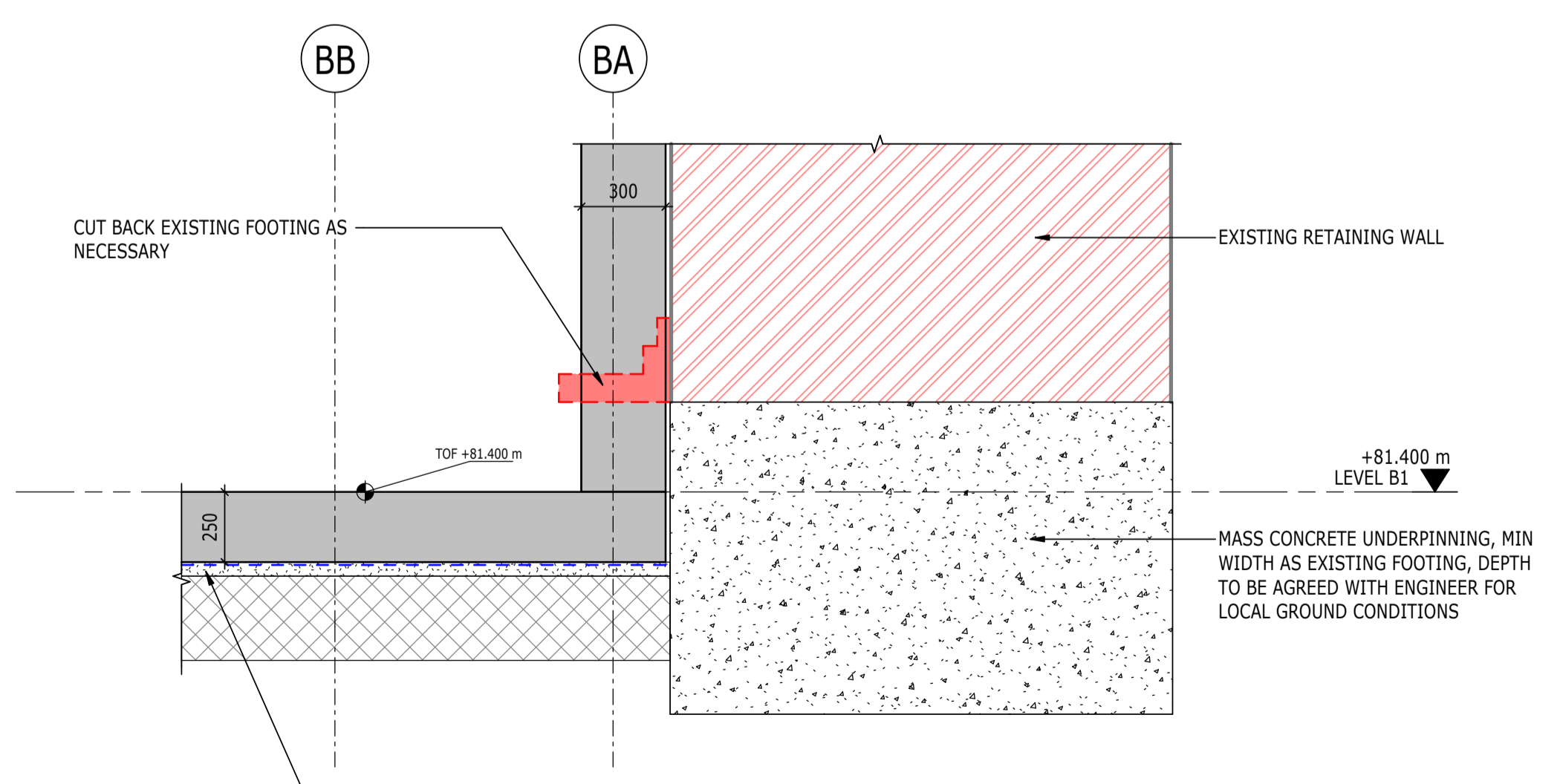
SECTION B2
1 : 20
S-00100



SECTION B3
1 : 20
S-00100



SECTION B4
1 : 20
S-00100



SECTION B5
1 : 20
S-00100

P02	PLANNING & LBC ISSUE	16/12	JC	PM
		2022	AC	
P01	PRELIMINARY DRAFT ISSUE	02/12	JC	PM
		2022	AC	
Rev	Description	Date	By	App
			Chk	

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THE GEORGE HOTEL
HUDDERSFIELD

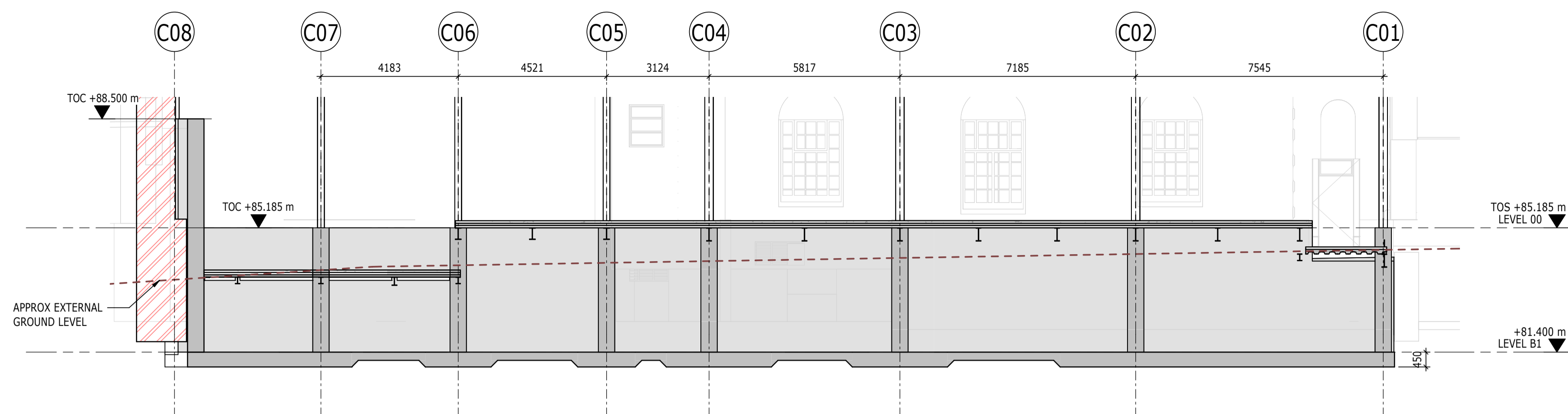


FOUNDATION SECTIONS
& DETAILS

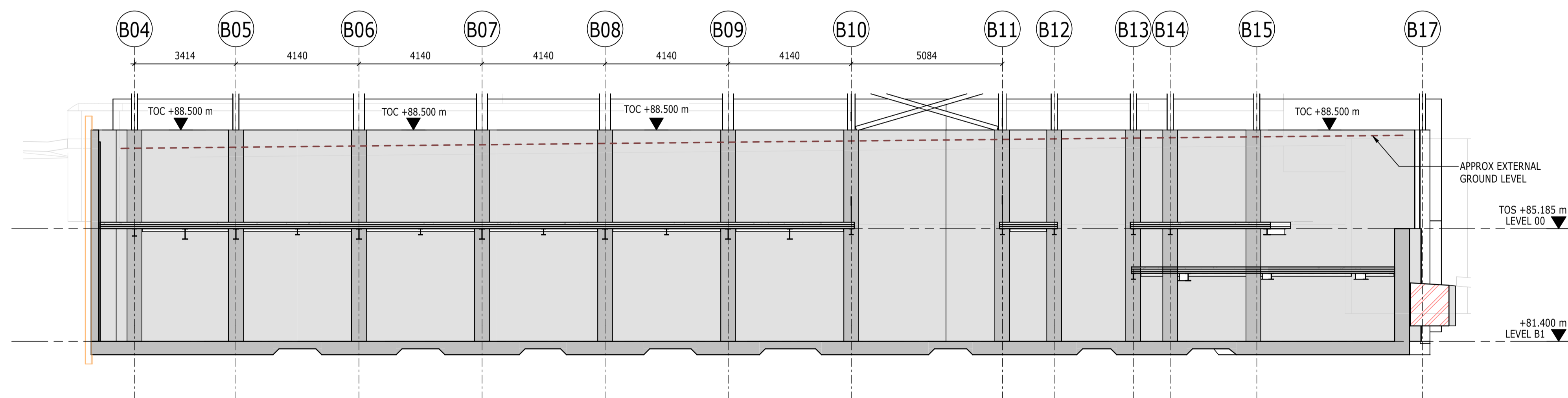
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1620014217	1 : 20	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-FN-DR-S-00200	P02		

NOTES

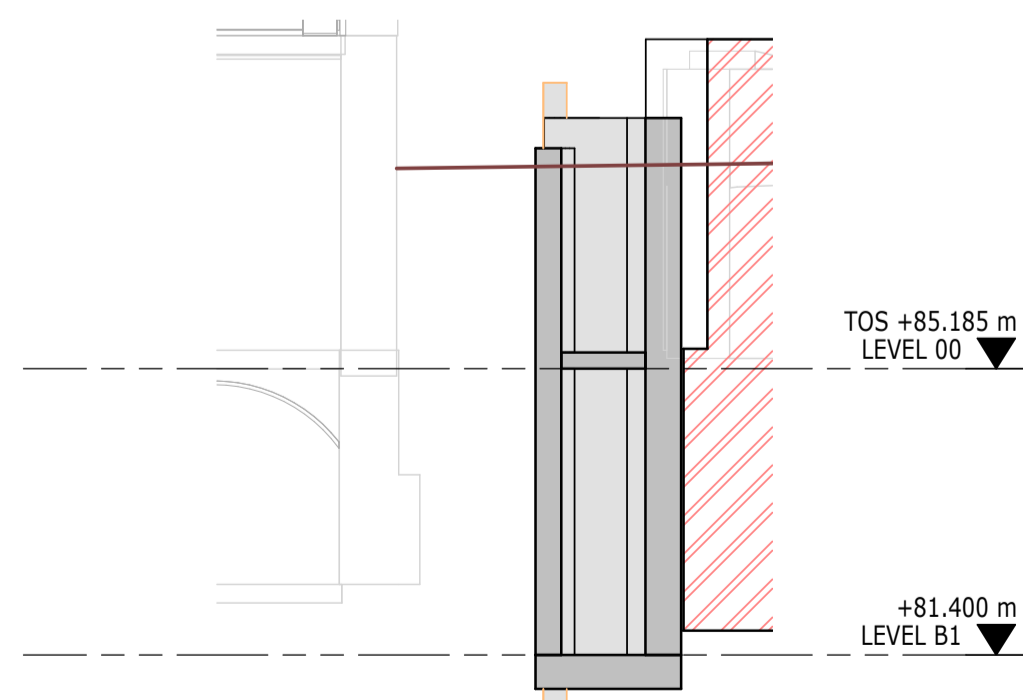
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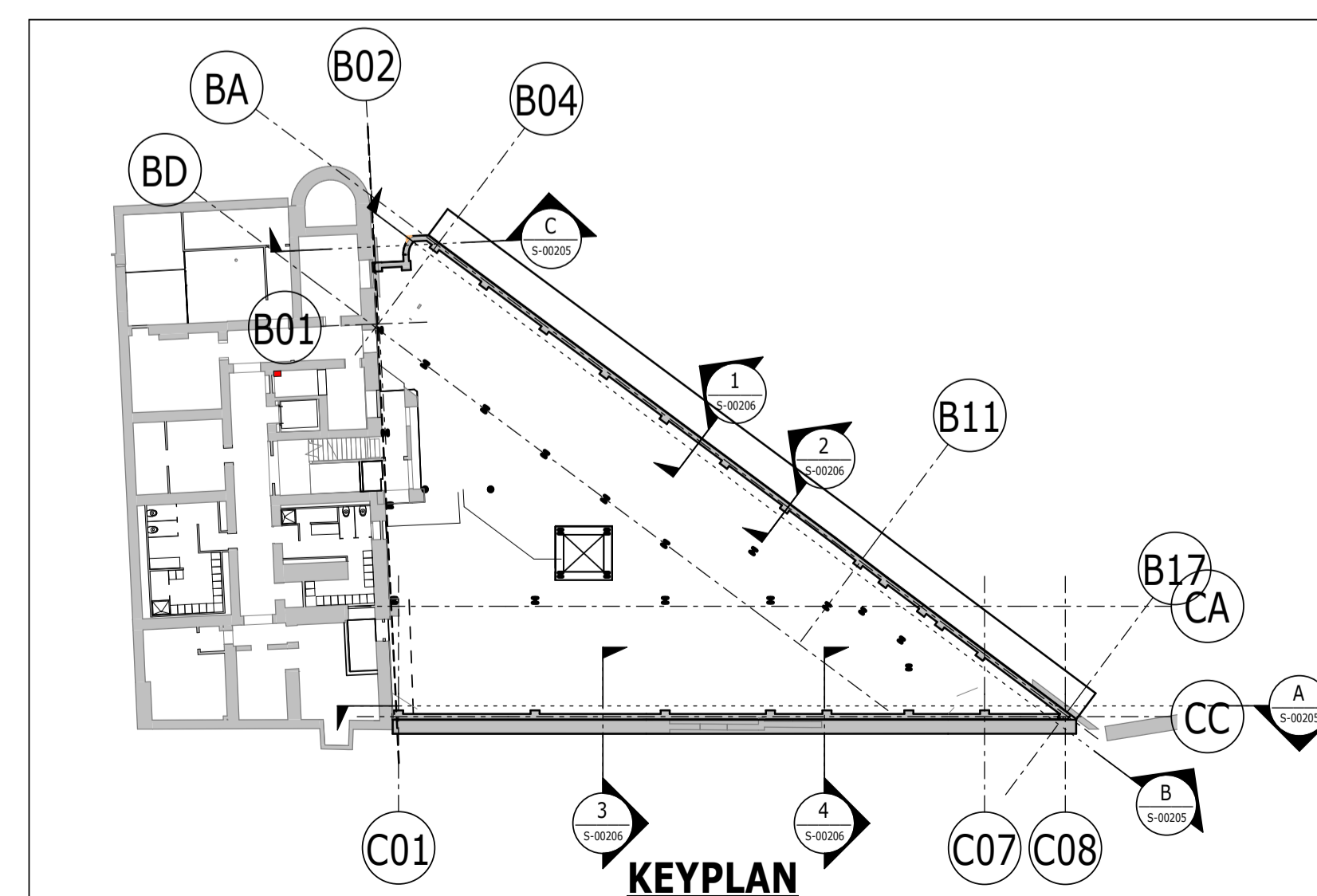
ELEVATION **A**
1 : 100
S-00205
BASEMENT RETAINING WALL ELEVATION A



ELEVATION **B**
1 : 100
S-00205
BASEMENT RETAINING WALL ELEVATION B



ELEVATION **C**
1 : 100
S-00205
BASEMENT RETAINING WALL ELEVATION C



P02	PLANNING & LBC ISSUE	16/12	JC	PM
		2022	AC	
P01	PRELIMINARY DRAFT ISSUE	02/12	JC	PM
		2022	AC	
Rev	Description	Date	By	App
			Chk	

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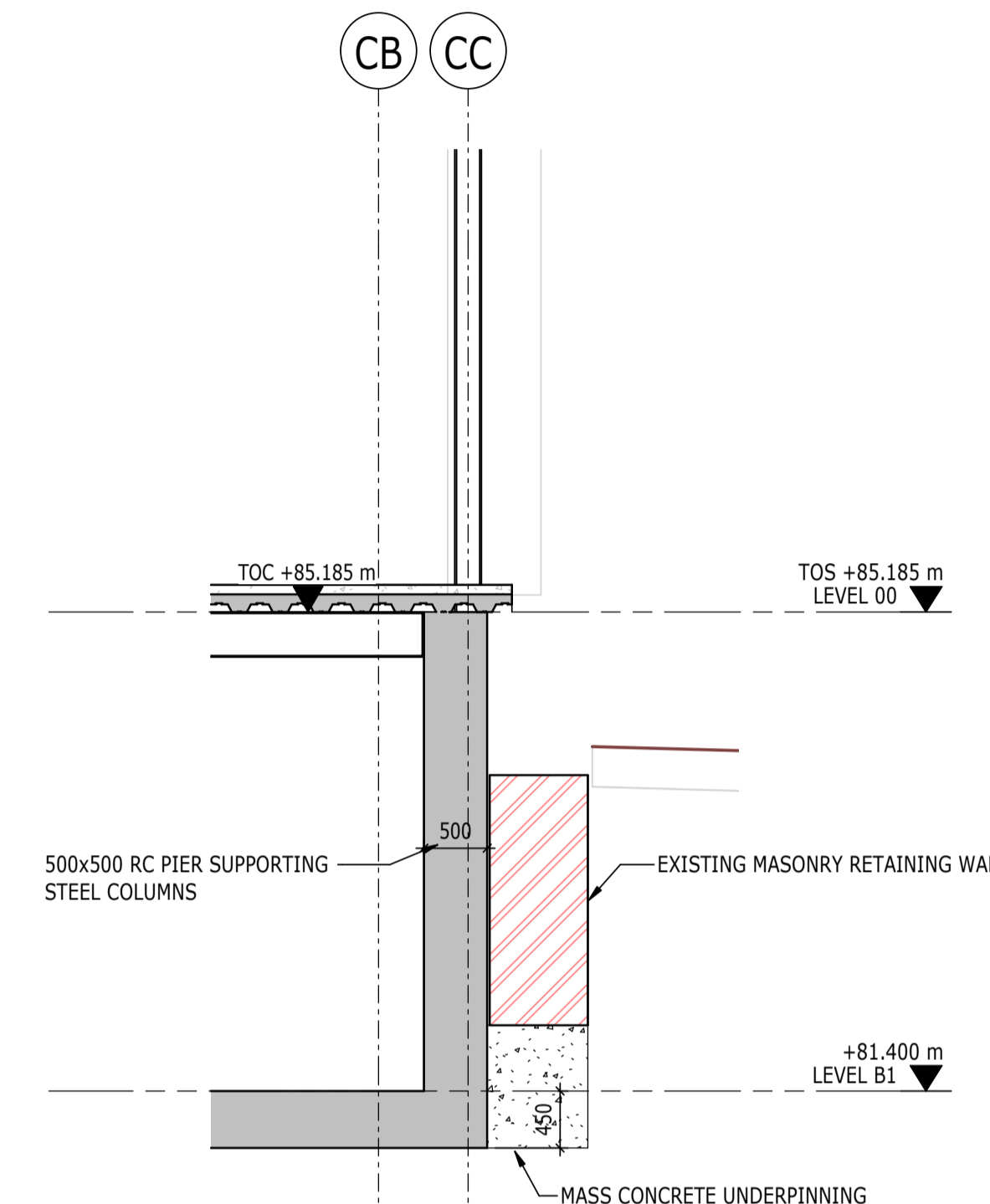
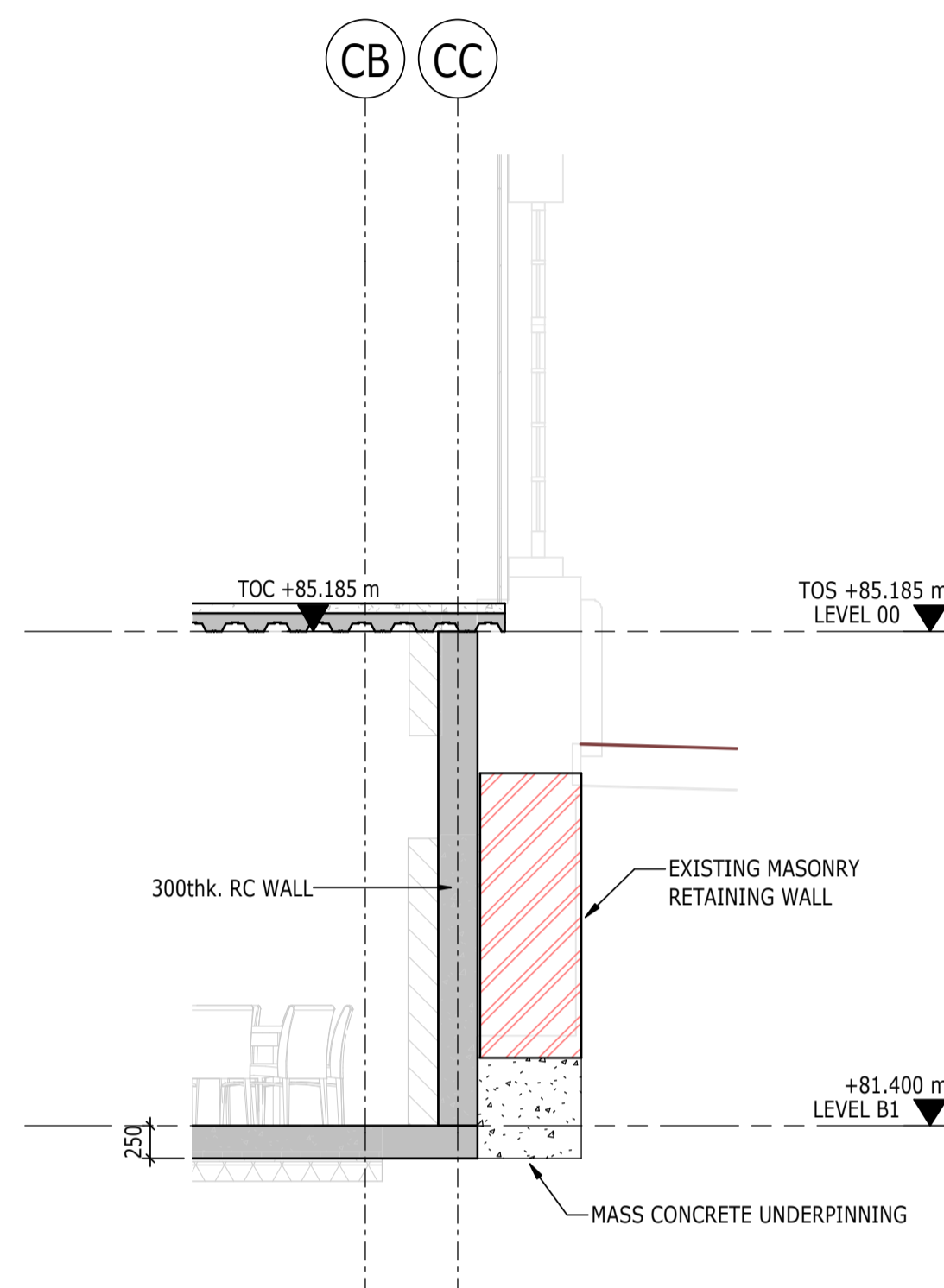
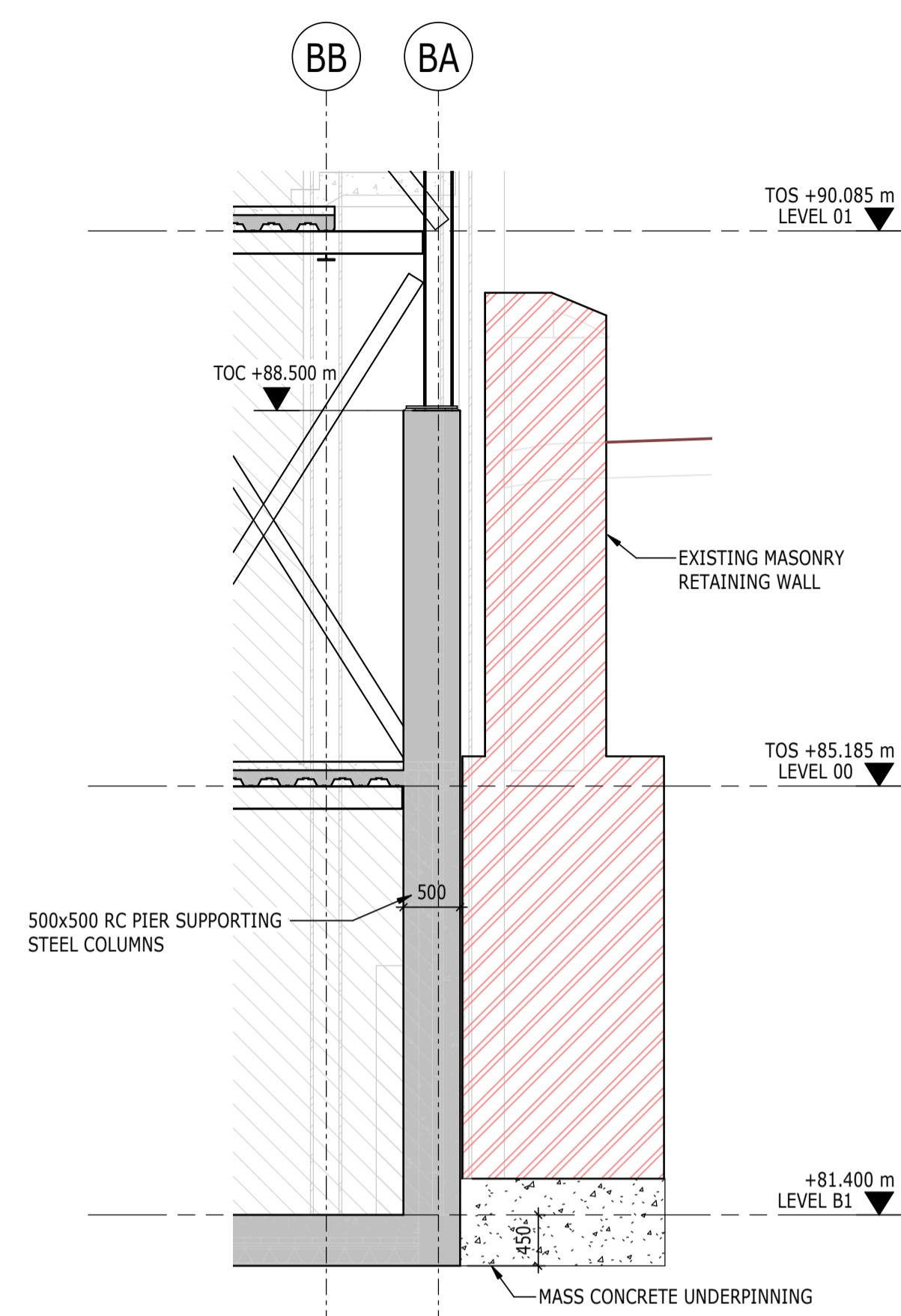
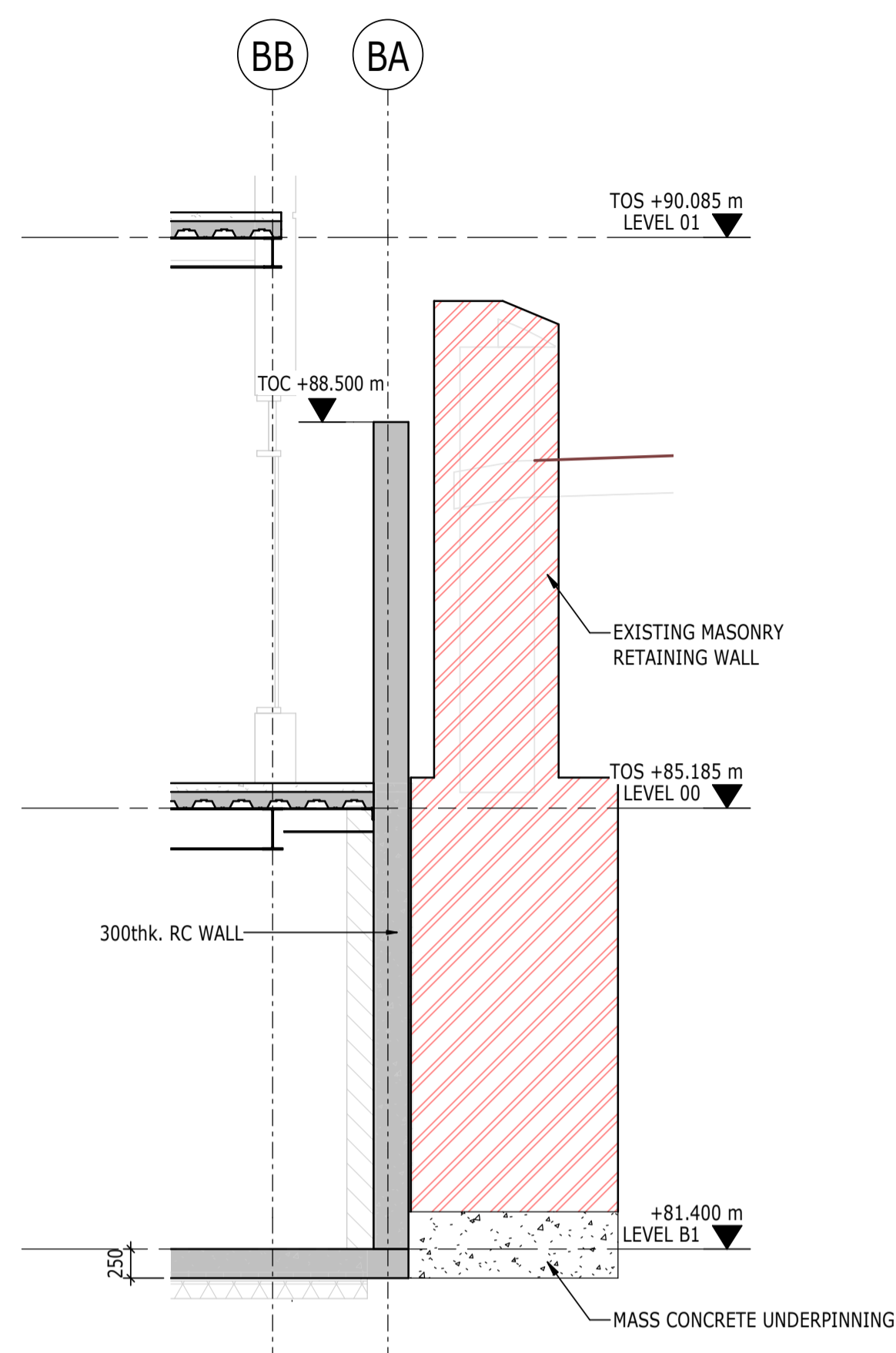
RETAINING WALL
ELEVATIONS

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	As indicated	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-ZZ-DR-S-00205	P02		

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SECTION 1
1 : 50
S-00205
BASEMENT RETAINING WALL SECTION 1

SECTION 2
1 : 50
S-00205
BASEMENT RETAINING WALL SECTION 2

SECTION 3
1 : 50
S-00205
BASEMENT RETAINING WALL SECTION 3

SECTION 4
1 : 50
S-00205
BASEMENT RETAINING WALL SECTION 4

P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By Chk	App

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RETAINING WALL
SECTIONS & DETAILS

Project No: 1620014217	Scale (@ A1): 1 : 50	Date: NOV'22	Drawn: JC
Drawing No: 4217-RAM-ZZ-ZZ-DR-S-00206	Rev: P02		

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- FOR MEMBER SCHEDULES REFER TO DRAWING No. 4217-RAM-ZZ-XX-DR-S-0015 & S-0016
- SEPERATE ALLOWANCES TO BE MADE FOR THE FOLLOWING:
 - ALL STEEL TO STEEL AND STEEL TO CONCRETE CONNECTIONS AND SPLICES
 - FAÇADE FIXINGS
 - TRANSFER BEAMS
 - STIFFENER PLATES AROUND BEAM WEB OPENINGS
 - STEEL COLUMNS

INABEYANCE / TO BE CONFIRMED

- BUILDERSWORK HOLES
- UPSTANDS
- MOMENT CONNECTION
- OPTIMISATION OF STEELWORK FOR FIRE DESIGN

THESE NOTES ARE BASED ON THE USE OF EXPERIENCED AND COMPETENT CONTRACTORS CARRYING OUT THE WORK USING AN APPROVED SAFE METHOD OF WORKING

WHERE RAMBOLL CDM HAZARD SYMBOLS (SUMMARIZED BELOW) ARE FOUND ON THE DRAWINGS, REFERENCE MUST BE MADE TO XXXX-XXX-XX-XX-X-XXXX. CHECK THE UNIQUE CDM ID IN THE TEXT NEXT TO THE SYMBOL FORMATTED: RAM-###

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

P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By	App
			Chk	

S3 - FOR REVIEW AND COMMENT

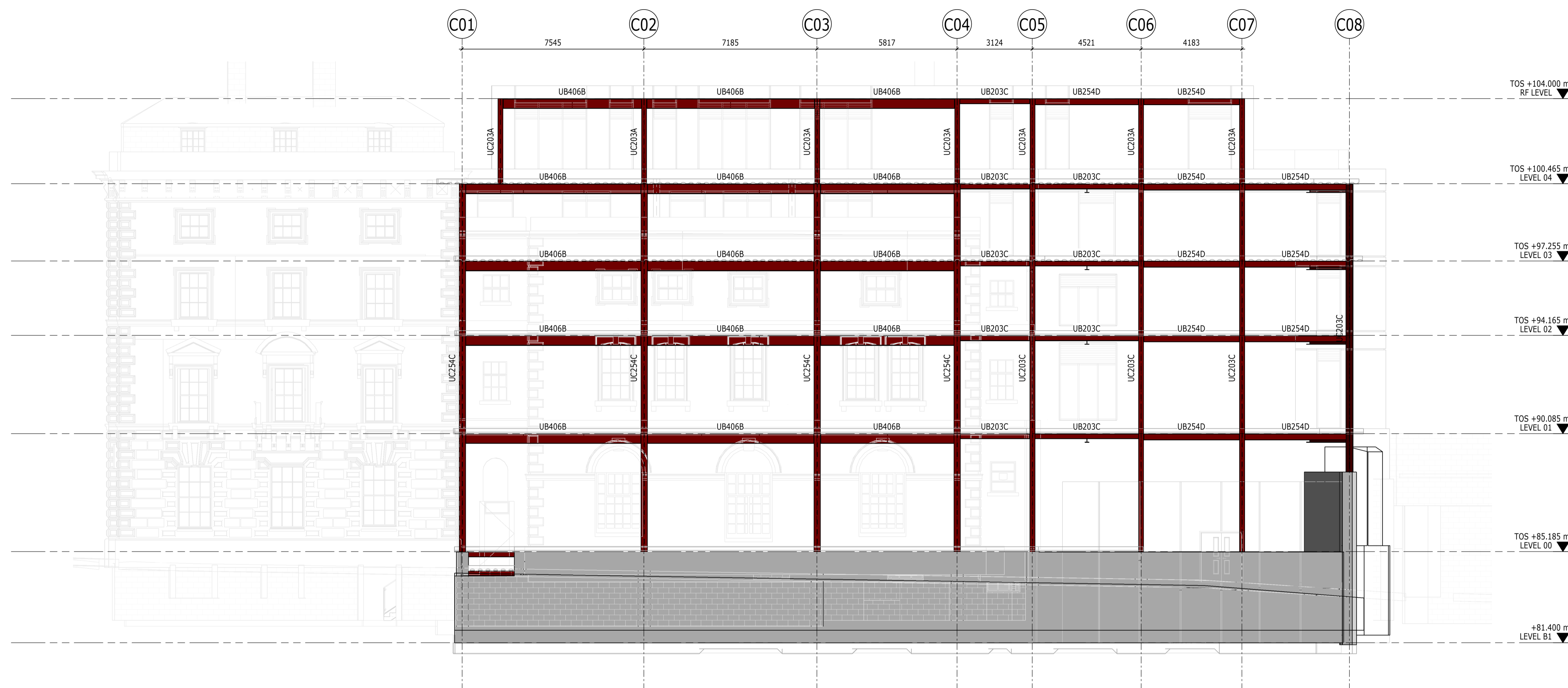
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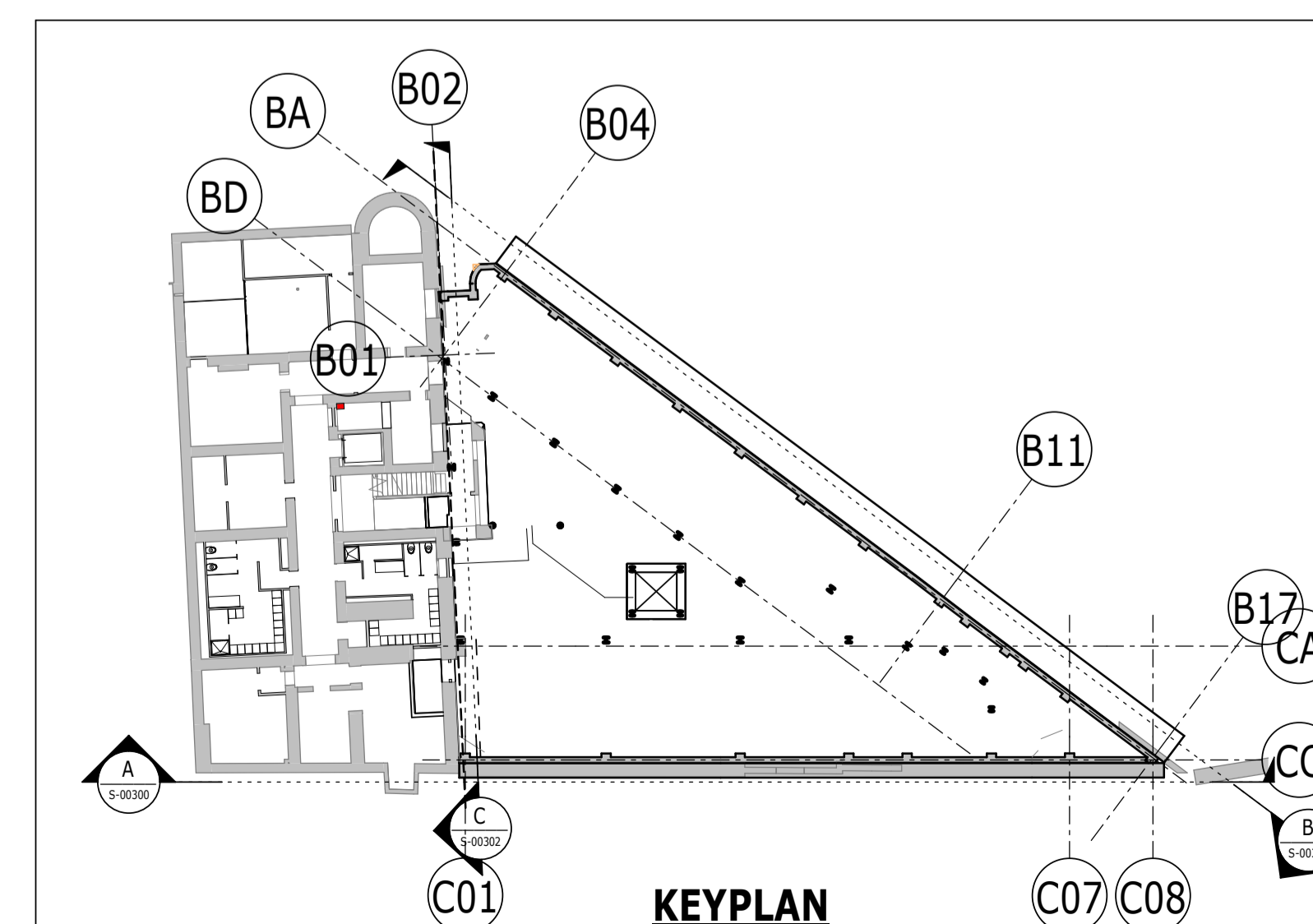
BUILDING ELEVATIONS
SHEET 1

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1:100	NOV'22	JC
Drawing No:		Rev:	
4217-RAM-ZZ-DR-S-00300		P02	



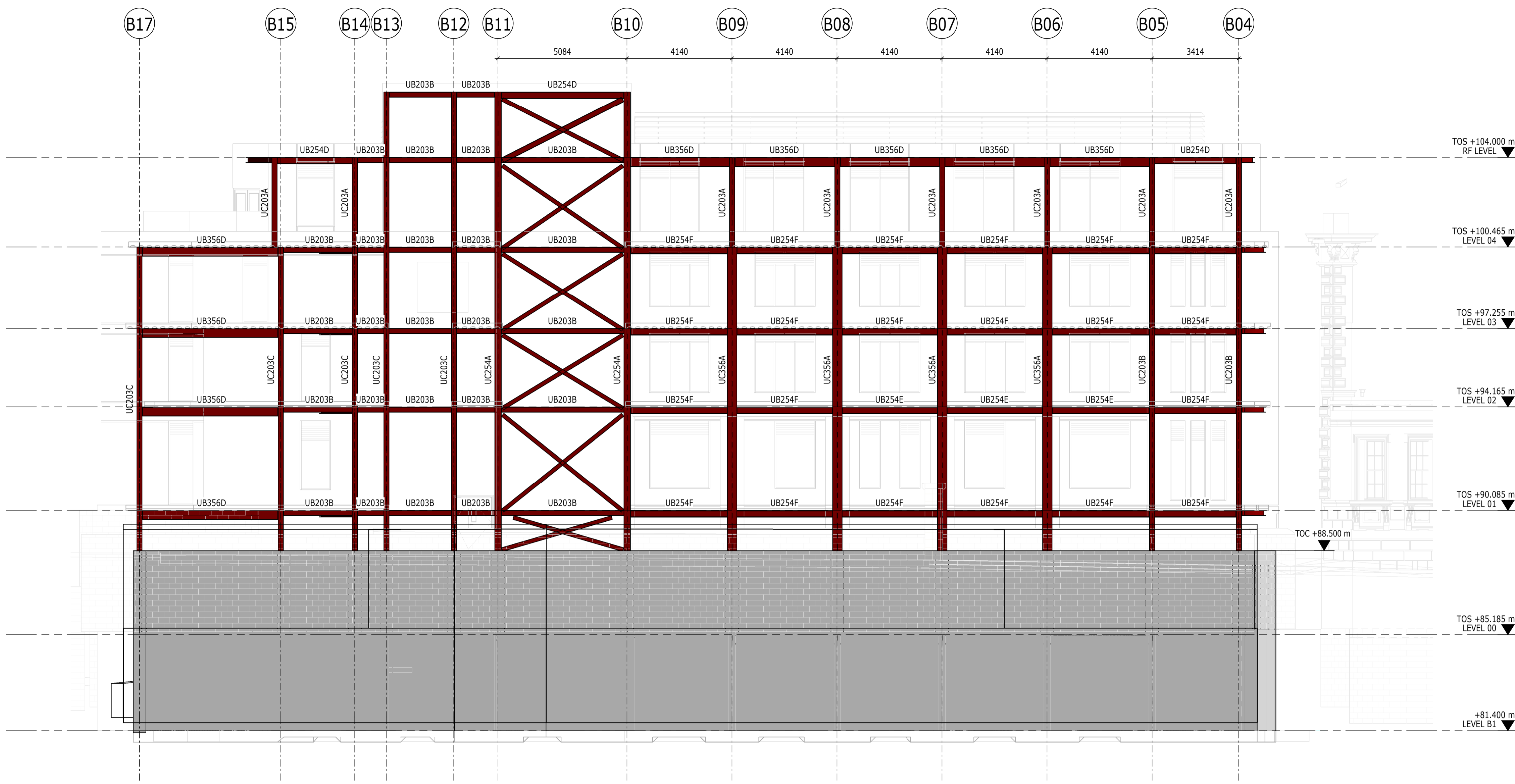
ELEVATION **A**
1 : 100 S-00300

BUILDING ELEVATION A



KEYPLAN

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ELEVATION **B**
1 : 100 **S-00300**
BUILDING ELEVATION B

NOTES

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- FOR GENERAL NOTES DRAWING REFER TO DRAWING No. 4217-RAM-ZZ-XX-DR-S-0010
- FOR MEMBER SCHEDULES REFER TO DRAWING No. 4217-RAM-ZZ-XX-DR-S-0015 & S-0016
- SEPERATE ALLOWANCES TO BE MADE FOR THE FOLLOWING:
 - ALL STEEL TO STEEL AND STEEL TO CONCRETE CONNECTIONS AND SPLICES
 - FAÇADE FIXINGS
 - TRANSFER BEAMS
 - STIFFENER PLATES AROUND BEAM WEB OPENINGS
 - STEEL COLUMNS

REFER TO SHEET 4217-RAM-ZZ-DR-S-00300 FOR KEYPLAN

- INABEYANCE / TO BE CONFIRMED**
- BUILDERSWORK HOLES
 - UPSTANDS
 - MOMENT CONNECTION
 - OPTIMISATION OF STEELWORK FOR FIRE DESIGN

THESE NOTES ARE BASED ON THE USE OF EXPERIENCED AND COMPETENT CONTRACTORS CARRYING OUT THE WORK USING AN APPROVED SAFE METHOD OF WORKING

WHERE RAMBOLL CDM HAZARD SYMBOLS (SUMMARIZED BELOW) ARE FOUND ON THE DRAWINGS, REFERENCE MUST BE MADE TO XXXX-XXX-XX-XX-X-XXXXX. CHECK THE UNIQUE CDM ID IN THE TEXT NEXT TO THE SYMBOL FORMATTED: RAM-###

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- INDICATES A RESIDUAL RISK FOR INFORMATION
- INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION
- INDICATES A RESIDUAL RISK AS A WARNING

P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By Chk	App

S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



BUILDING ELEVATIONS
SHEET 2

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 100	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-ZZ-DR-S-00301	P02		

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- FOR GENERAL NOTES DRAWING REFER TO DRAWING No. 4217-RAM-ZZ-XX-DR-S-0010
- FOR MEMBER SCHEDULES REFER TO DRAWING No. 4217-RAM-ZZ-XX-DR-S-0015 & S-0016
- SEPERATE ALLOWANCES TO BE MADE FOR THE FOLLOWING:
 - ALL STEEL TO STEEL AND STEEL TO CONCRETE CONNECTIONS AND SPLICES
 - FAÇADE FIXINGS
 - TRANSFER BEAMS
 - STIFFENER PLATES AROUND BEAM WEB OPENINGS
 - STEEL COLUMNS

REFER TO SHEET 4217-RAM-ZZ-DR-S-00300 FOR KEYPLAN

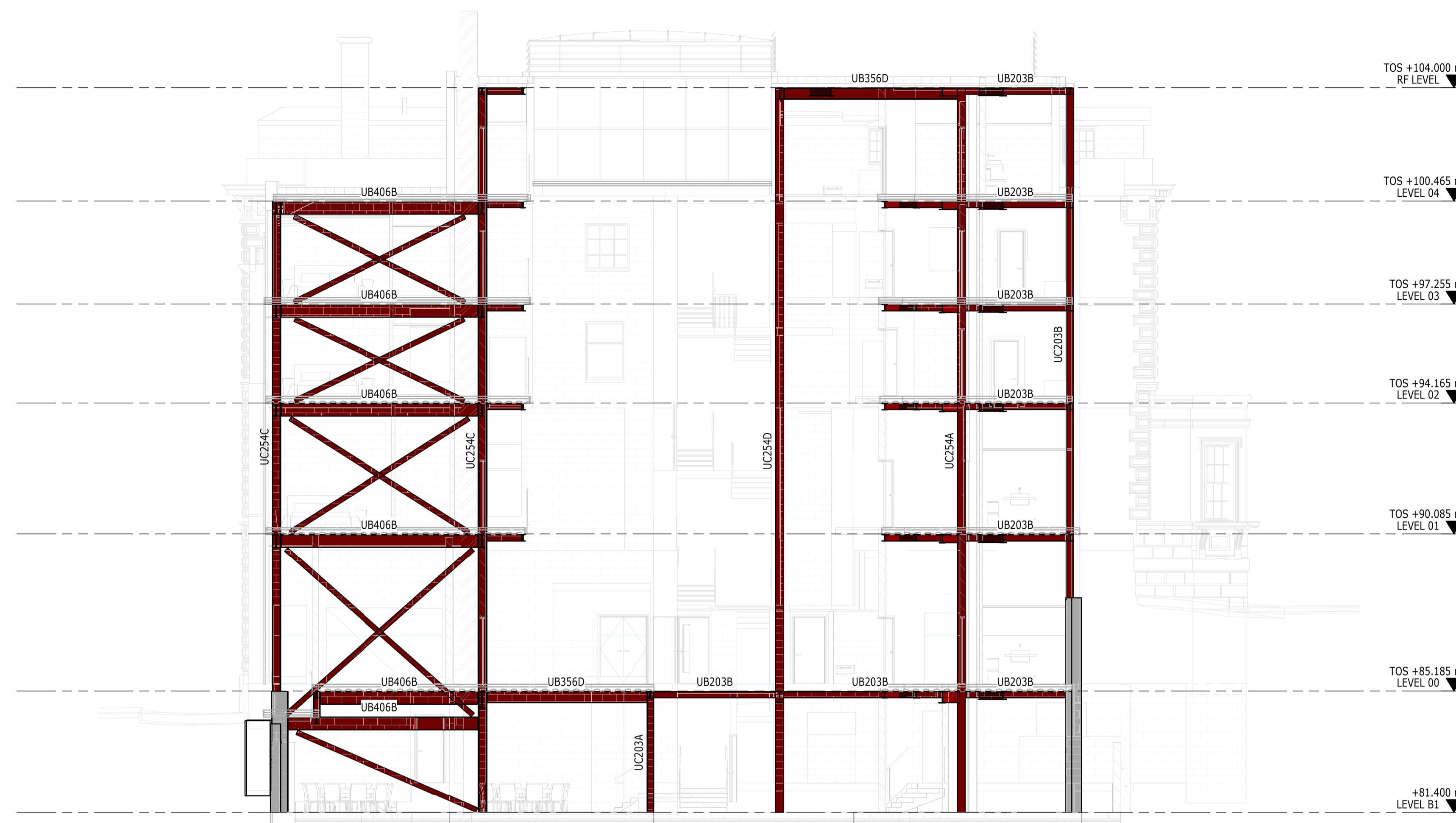
INABEYANCE / TO BE CONFIRMED

- BUILDERSWORK HOLES
- UPSTANDS
- MOMENT CONNECTION
- OPTIMISATION OF STEELWORK FOR FIRE DESIGN

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WHERE RAMBOLL CDM HAZARD SYMBOLS (SUMMARIZED BELOW) ARE FOUND ON THE DRAWINGS, REFERENCE MUST BE MADE TO XXXX-XXX-XX-XX-X-XXXX. CHECK THE UNIQUE CDM ID IN THE TEXT NEXT TO THE SYMBOL FORMATTED: RAM-###

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- INDICATES A RESIDUAL RISK FOR INFORMATION
- INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION
- INDICATES A RESIDUAL RISK AS A WARNING



ELEVATION **C**
1 : 100
BUILDING ELEVATION C

P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By Chk	App

S3 - FOR REVIEW AND COMMENT

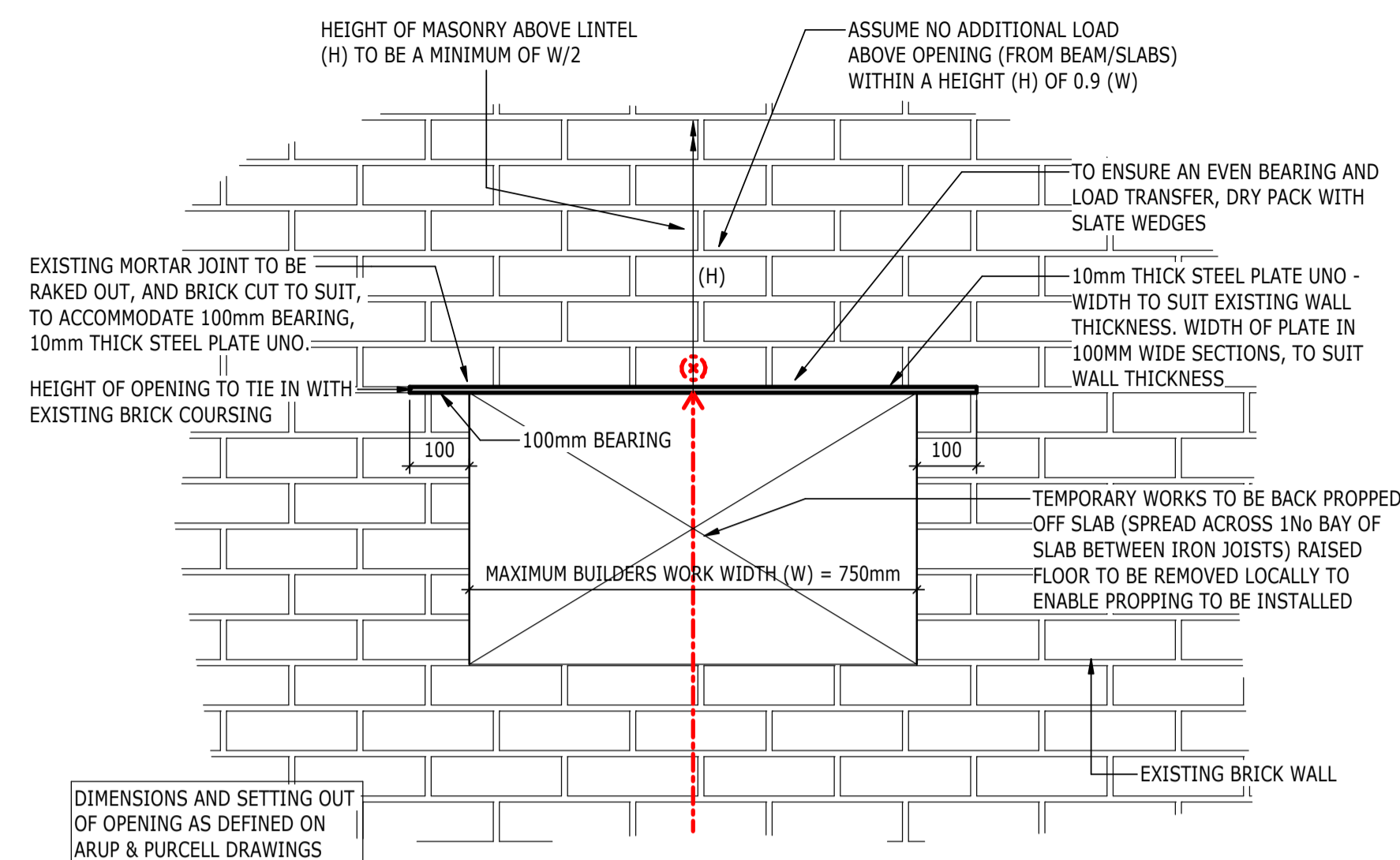
THE GEORGE HOTEL
HUDDERSFIELD



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BUILDING ELEVATIONS
SHEET 3

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 100	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-DR-S-00302	P02		

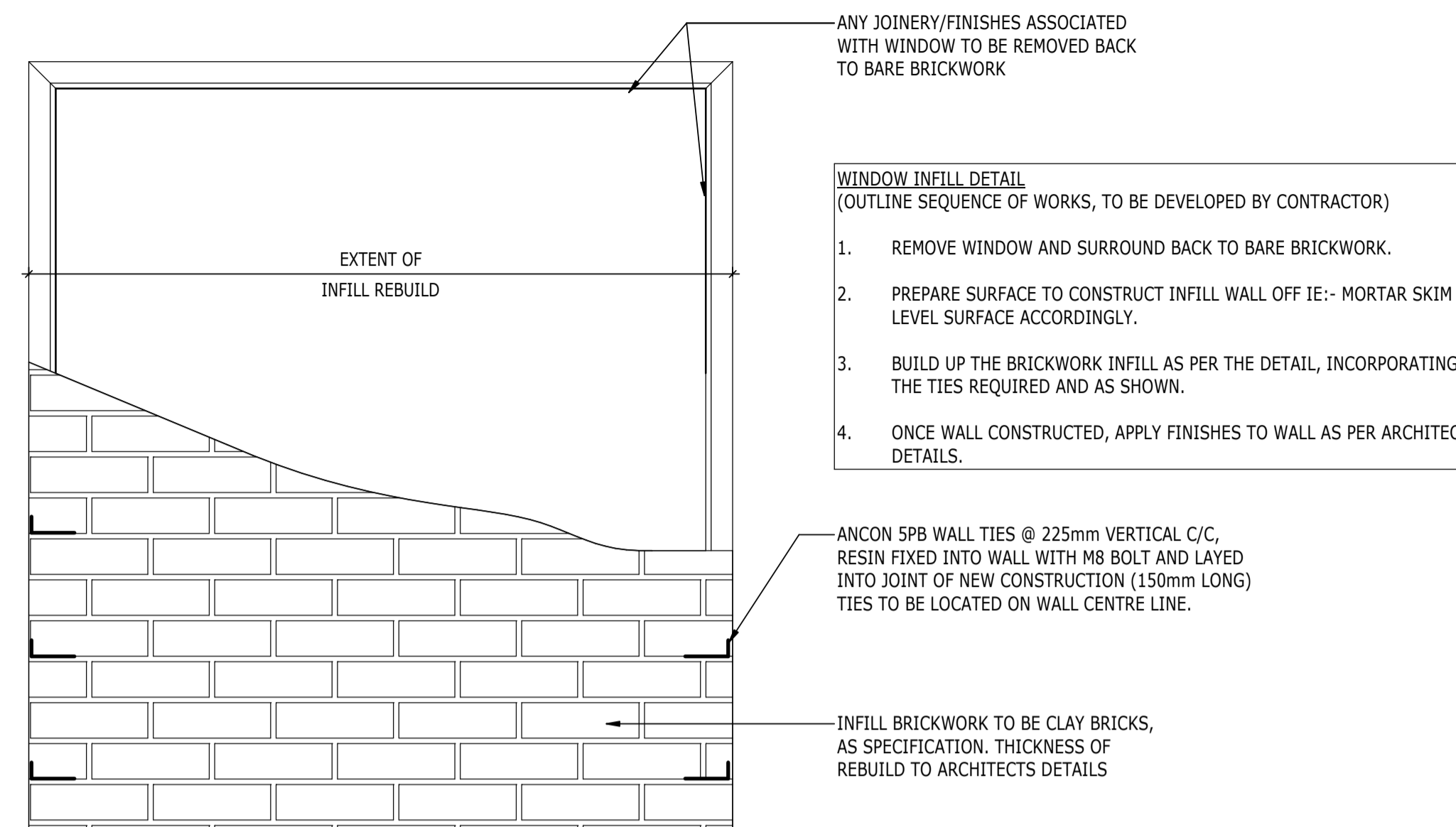


TYPE 1: TYPICAL BUILDERSWORK OPENING THROUGH EXISTING WALL (UP TO 750mm WIDE)

(SCALE 1:10)

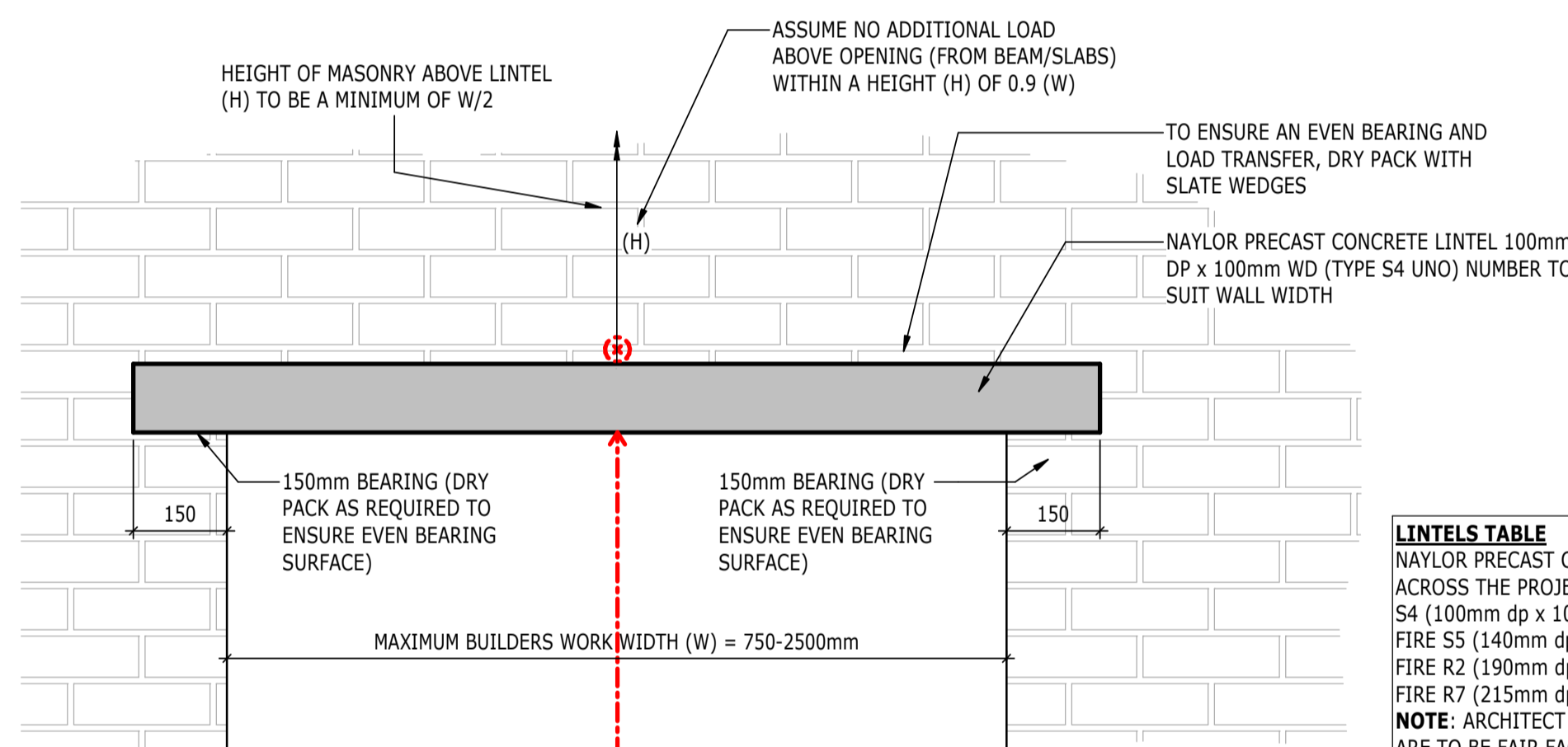
INSTALLATION OF LINTELS/ STEEL PLATES OVER BUILDERS WORK OPENINGS (OUTLINE SEQUENCE OF WORKS, TO BE DEVELOPED BY CONTRACTOR)

1. SET OUT THE EXTENT OF THE OPENING IN THE BRICK WALL (FINISHES/PLASTER TO BE REMOVED AS REQUIRED).
2. ENSURE HEIGHT OF THE OPENING CORRESPONDS TO BRICK COURSING.
3. DRILL HOLES THROUGH THE WALLS (DIAMETER TO SUIT TEMPORARY WORKS NEEDLES) IN THE COURSE DIRECTLY ABOVE THE OPENING.
4. INSERT NEEDLES THROUGH THE VOID AND PROP DOWN TO THE SLAB AS REQUIRED. RAISED FLOOR BOARDS TO BE REMOVED LOCALLY TO ALLOW PROPPING DOWN TO SLAB, INCORPORATE SPREADERS TO SUIT.
5. REMOVE MASONRY BELOW PROPPING AS REQUIRED TO FORM REQUIRED OPENING.
6. RAKE OUT/ CUT INTO MORTAR JOINTS AT PLATE BEARING END(S) IN ACCORDANCE WITH DETAILS.
7. INSTALL STEEL SUPPORT ANGLE AT PERIMETER WALL INTERFACE.
8. INSTALL STEEL PLATES FROM EITHER SIDE OF WALL AS REQUIRED AND DRY PACK TO ENSURE EVEN LOAD BEARING.
9. REMOVE TEMPORARY PROPS AND REINSTATE NEEDLE HOLES THROUGH BRICKS ABOVE.



TYPICAL WINDOW INFILL DETAIL

(SCALE 1:10)



TYPE 2: TYPICAL BUILDERSWORK AND DOOR OPENING THROUGH EXISTING WALL (750-2500mm WIDE)

(SCALE 1:10)

LINTELS TABLE
NAYLOR PRECAST CONCRETE LINTELS SPECIFIED ACROSS THE PROJECT INCLUDE:

S4 (100mm dp x 100mm wd)
FIRE S5 (140mm dp x 140mm wd)
FIRE R2 (190mm dp x 145mm wd)
FIRE R7 (215mm dp x 145mm wd)

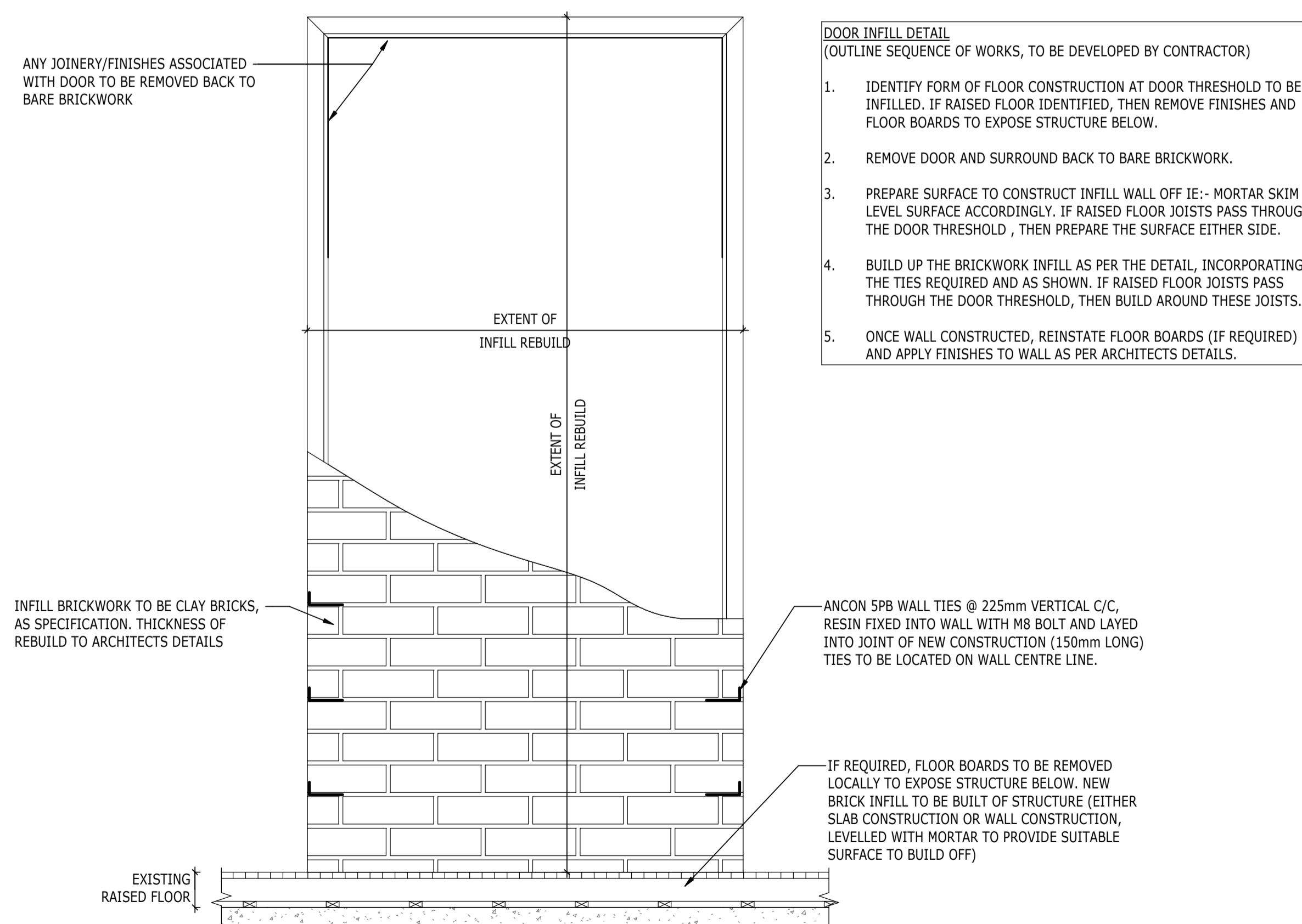
NOTE: ARCHITECT TO SPECIFY WHERE LINTELS ARE TO BE FAIR FACED.

TEMPORARY PROPPING LOADS OVER EXTENT OF OPENING, TOTAL LOAD TO BE SUPPORTED (SLS):

350mm THICK WALL =10kN
550mm THICK WALL =15kN
700mm THICK WALL =20kN

INSTALLATION OF LINTELS/ STEEL PLATES OVER BUILDERS WORK AND DOOR OPENINGS (OUTLINE SEQUENCE OF WORKS, TO BE DEVELOPED BY CONTRACTOR)

1. SET OUT THE EXTENT OF THE OPENING IN THE BRICK WALL (FINISHES/PLASTER TO BE REMOVED AS REQUIRED).
2. ENSURE HEIGHT OF THE OPENING CORRESPONDS TO BRICK COURSING.
3. DRILL HOLES THROUGH THE WALLS (DIAMETER TO SUIT TEMPORARY WORKS NEEDLES) IN THE COURSE DIRECTLY ABOVE THE OPENING.
4. INSERT NEEDLES THROUGH THE VOID AND PROP DOWN TO THE SLAB AS REQUIRED. RAISED FLOOR BOARDS TO BE REMOVED LOCALLY TO ALLOW PROPPING DOWN TO SLAB, INCORPORATE SPREADERS TO SUIT.
5. REMOVE MASONRY BELOW PROPPING AS REQUIRED TO FORM REQUIRED OPENING.
6. INSTALL PRE CAST LINTELS FROM BOTH SIDES (IF ACCESS AVAILABLE), OTHERWISE INSTALL FROM ACCESSIBLE SIDE AND DRY PACK BEARING ENDS AND TOP OF LINTEL TO ENSURE EVEN LOAD BEARING AND DISTRIBUTION.
7. REMOVE TEMPORARY PROPS AND REINSTATE NEEDLE HOLES THROUGH BRICKS ABOVE.



TYPICAL DOOR INFILL DETAIL

(SCALE 1:10)

NOTES

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- INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION
- INDICATES A RESIDUAL RISK AS A WARNING

P02	PLANNING & LBC ISSUE	16/12/2022	JC	PM
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Rev	Description	Date	By	App
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S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL HUDDERSFIELD



BLOCK A TYPICAL DETAILS SHEET 1

Project No:	Scale (@ A1):	Date:	Drawn:
1620014217	1 : 10	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-ZZ-DR-S-00500	P02		

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		2022	AC	
P01	PRELIMINARY DRAFT ISSUE	02/12	JC	PM
		2022	AC	
Rev	Description	Date	By	App
			Chk	

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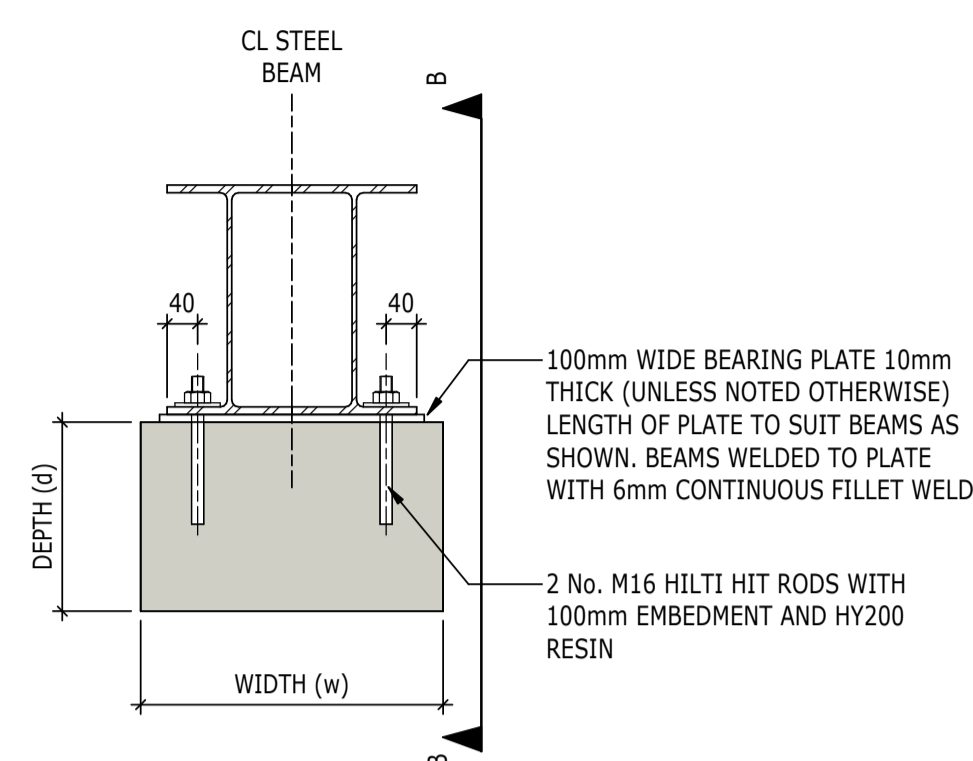
THE GEORGE HOTEL
HUDDERSFIELD



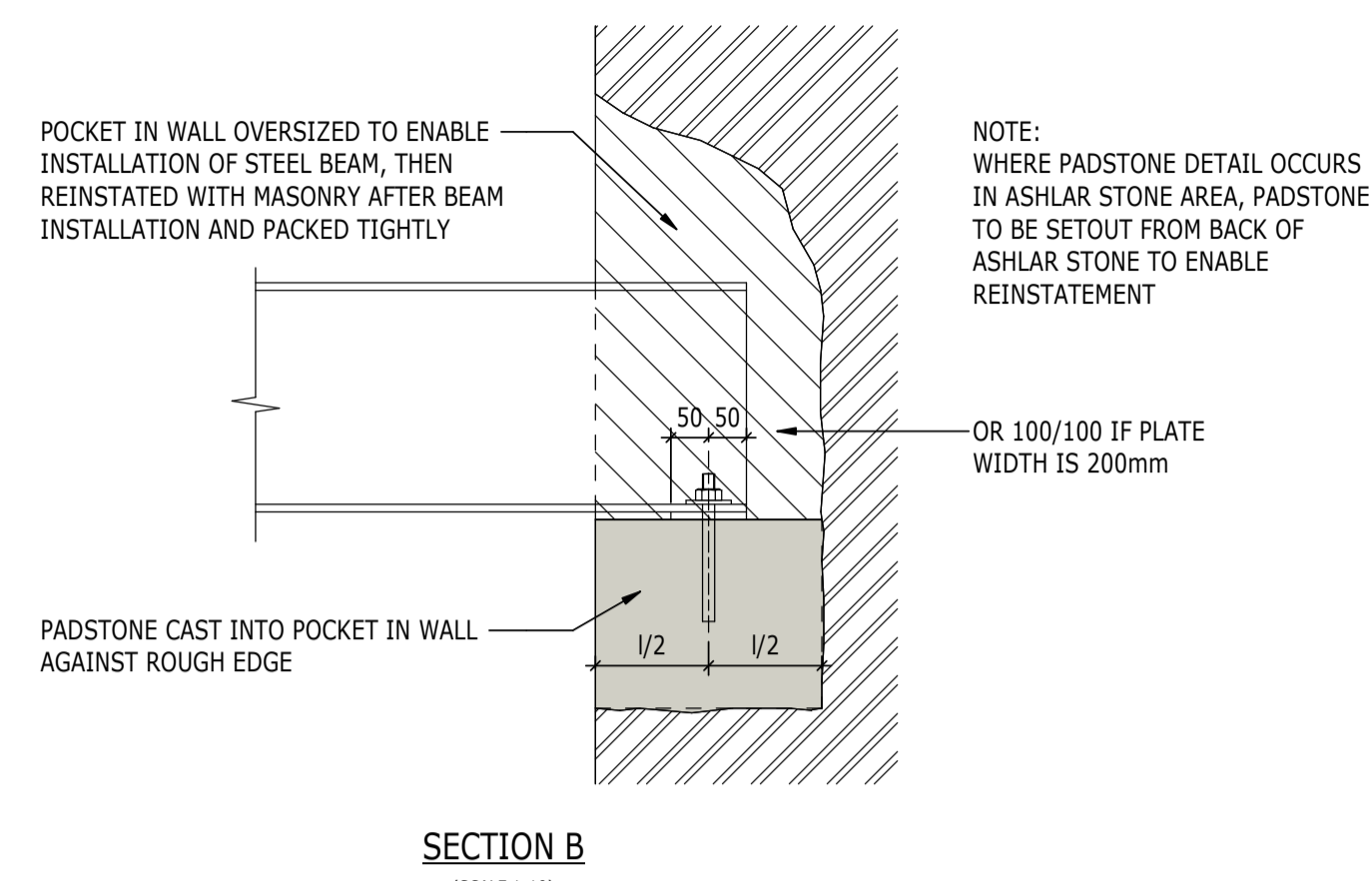
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BLOCK A
TYPICAL DETAILS
SHEET 2

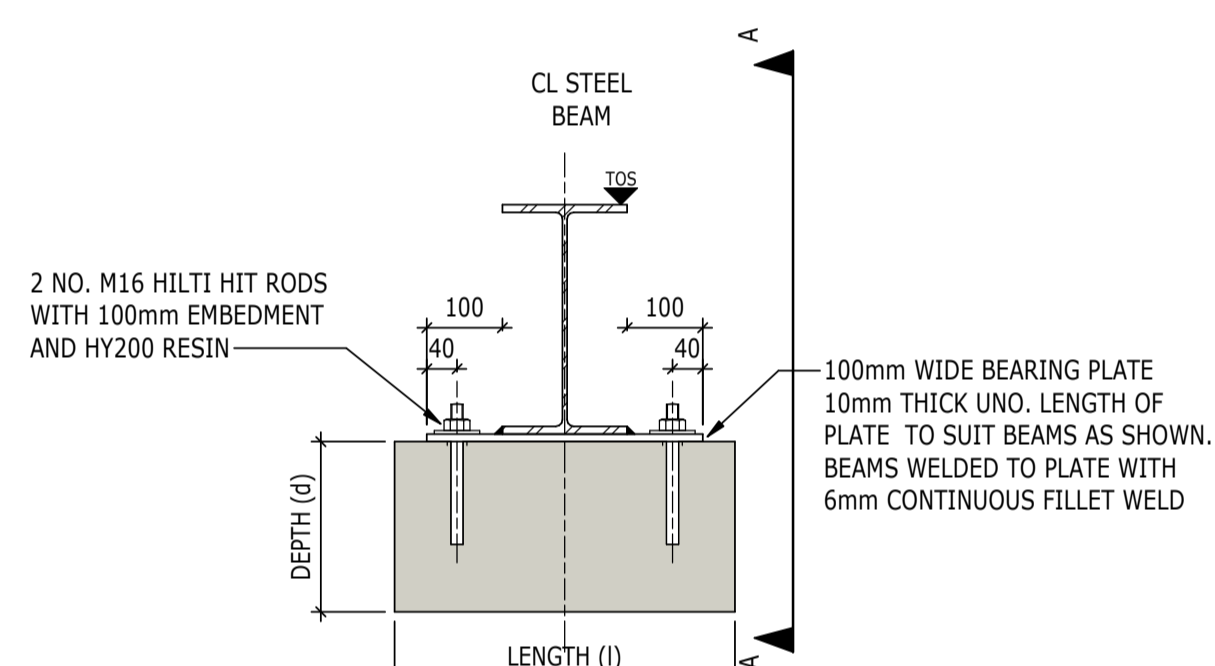
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Drawing No:	Rev:		
4217-RAM-ZZ-ZZ-DR-S-00501	P02		



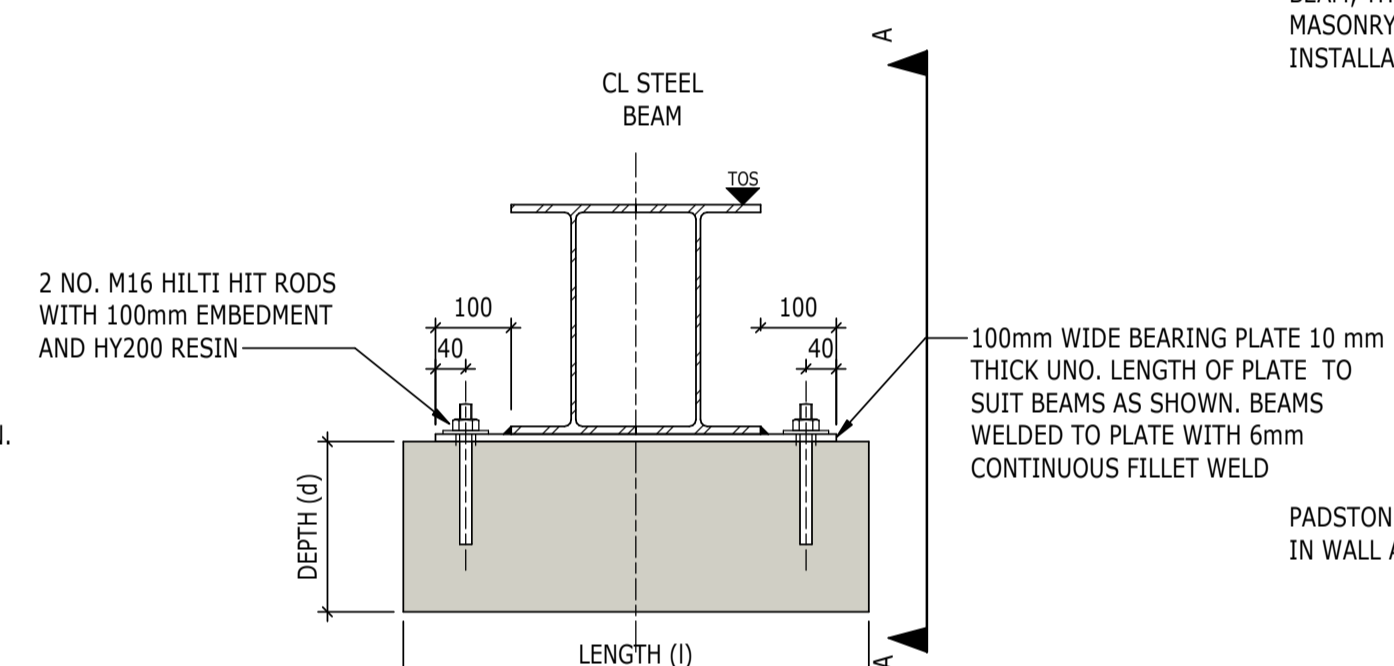
TYPICAL PADSTONE SETTING OUT DETAIL
(DOUBLE BEAM) U.N.O. BEAM PARALLEL TO
WALL/PIER
(SCALE 1:10)



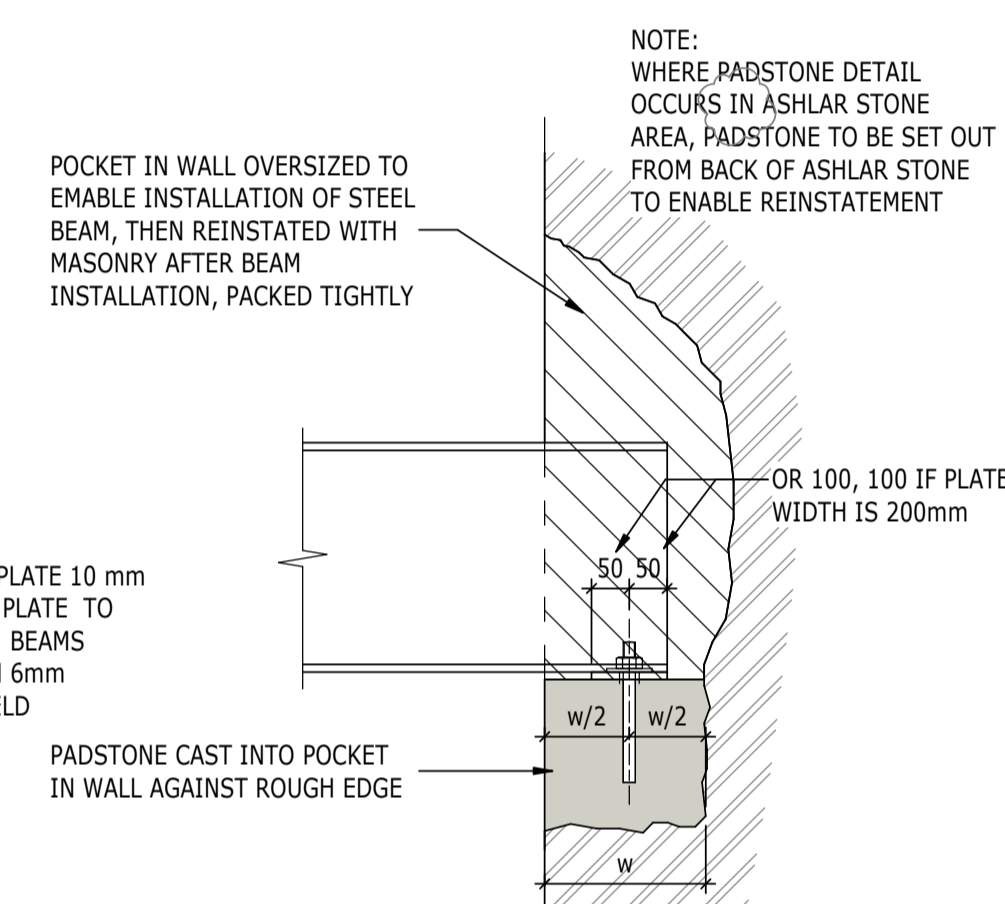
SECTION B
(SCALE 1:10)



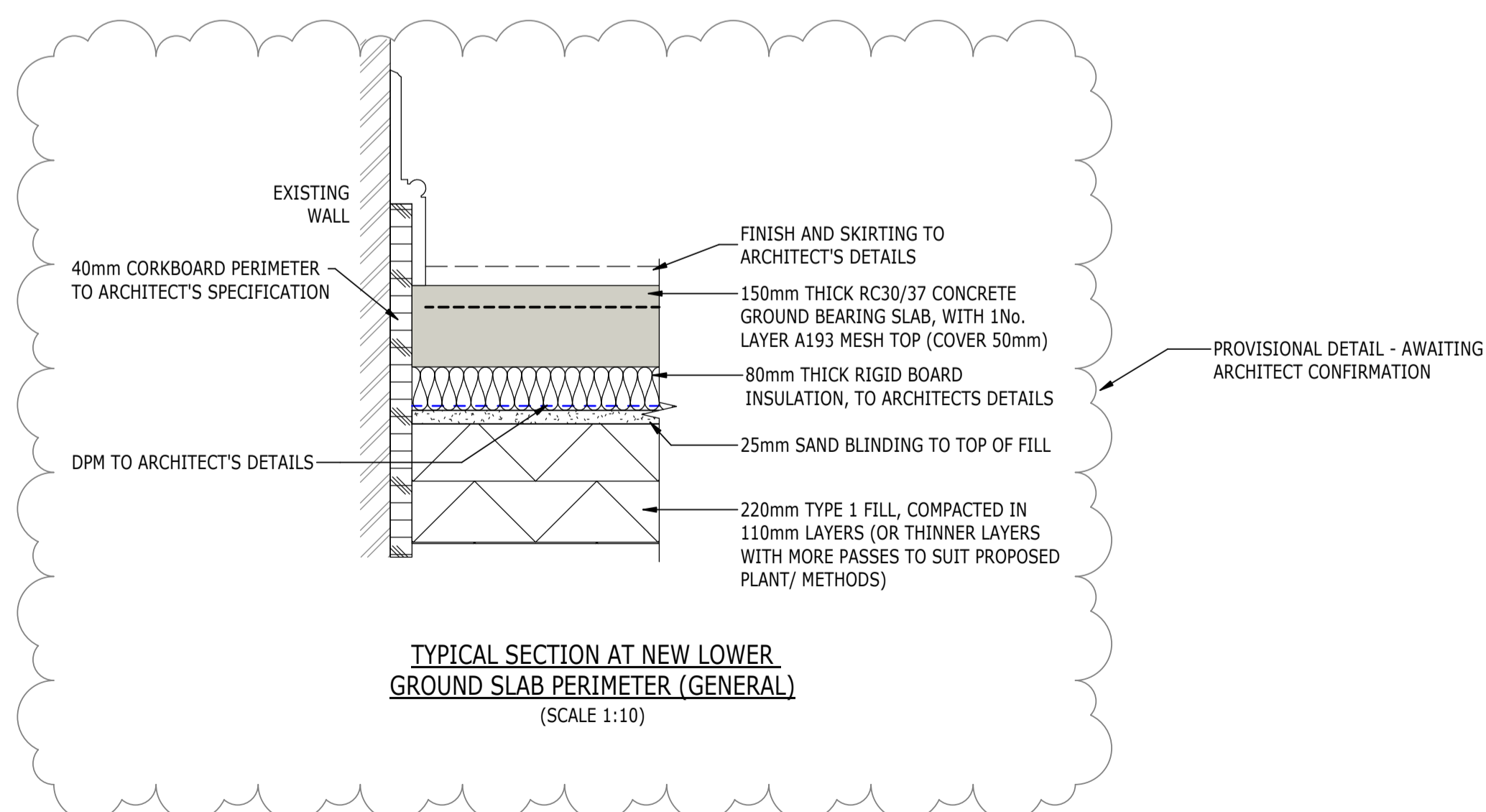
TYPICAL PADSTONE SETTING OUT
DETAIL (SINGLE BEAM) U.N.O.
BEAM PERPENDICULAR TO WALL
(SCALE 1:10)



TYPICAL PADSTONE SETTING OUT
DETAIL (DOUBLE BEAM) U.N.O.
BEAM PERPENDICULAR TO WALL
(SCALE 1:10)



SECTION A
(SCALE 1:10)



TYPICAL SECTION AT NEW LOWER
GROUND SLAB PERIMETER (GENERAL)
(SCALE 1:10)

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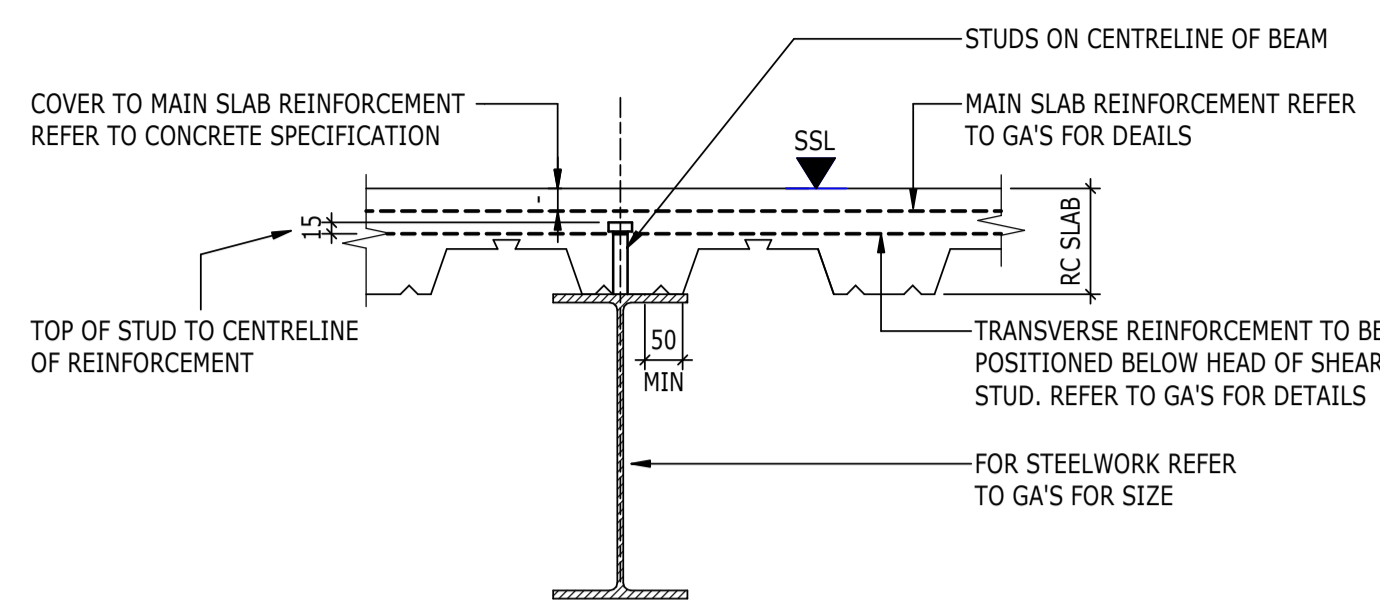
THE GEORGE HOTEL
HUDDERSFIELD



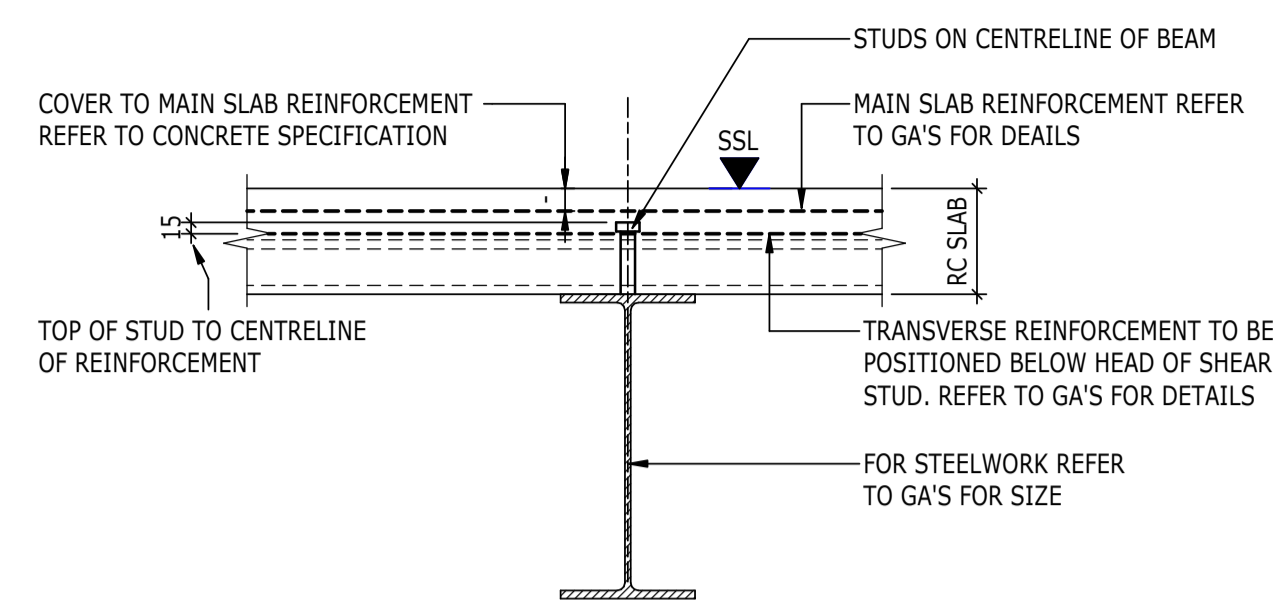
tel 01244 311855 chester@ramboll.co.uk
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SUPERSTRUCTURE DETAILS
SHEET 1

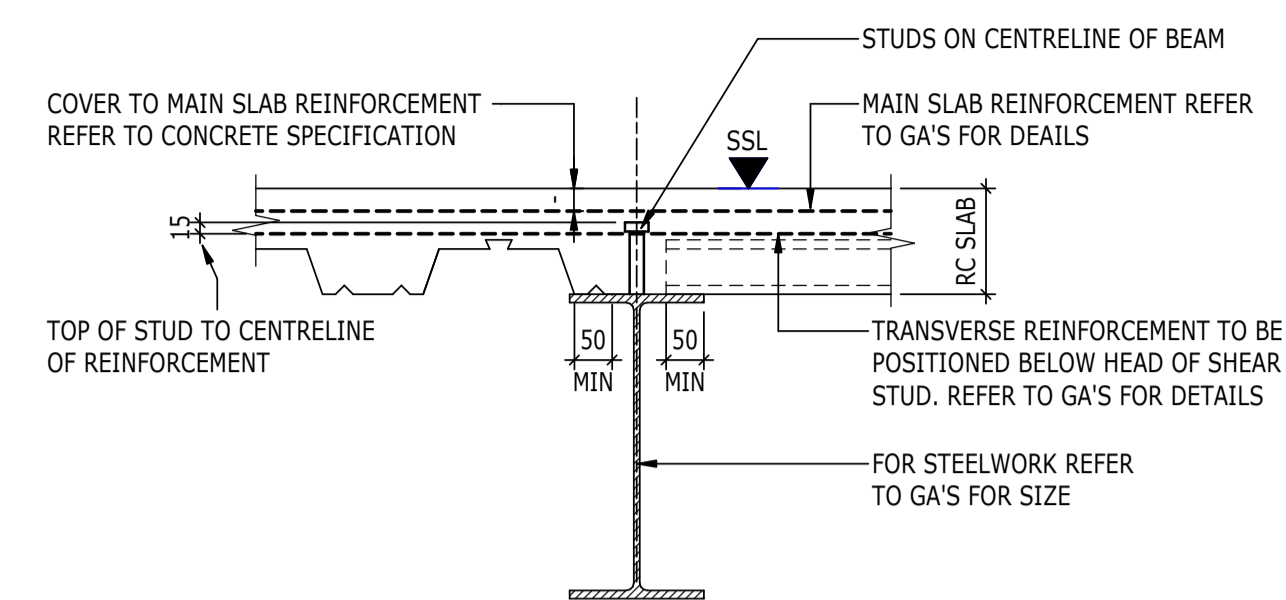
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1620014217	1 : 10	NOV'22	JC
Drawing No:	Rev:		
4217-RAM-ZZ-ZZ-DR-S-00510	P02		



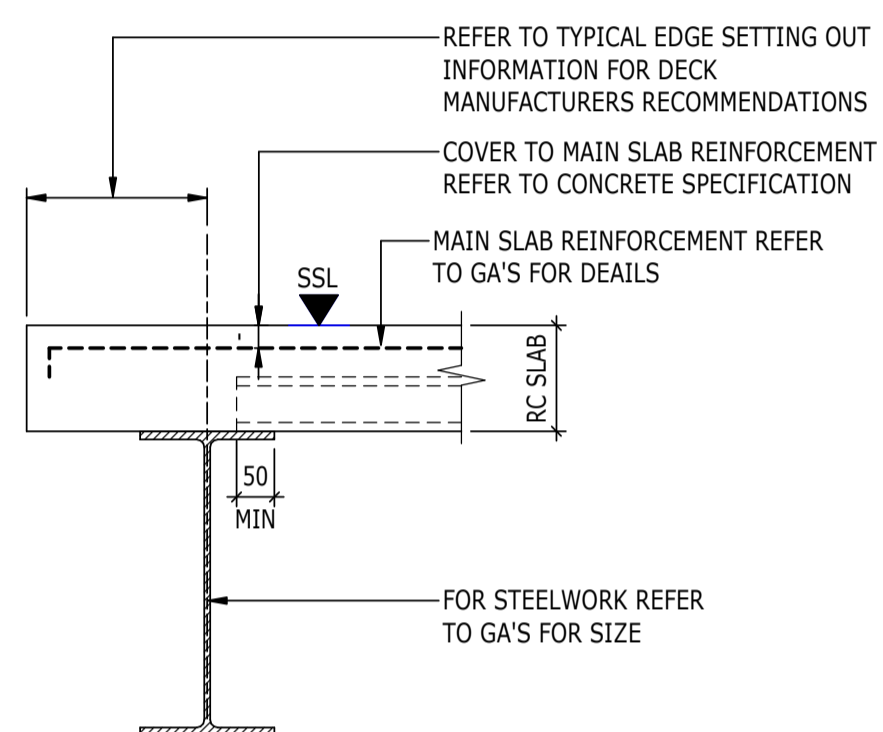
TYPICAL COMPOSITE SLAB
SPAN PERPENDICULAR TO BEAM
(SCALE 1:10)



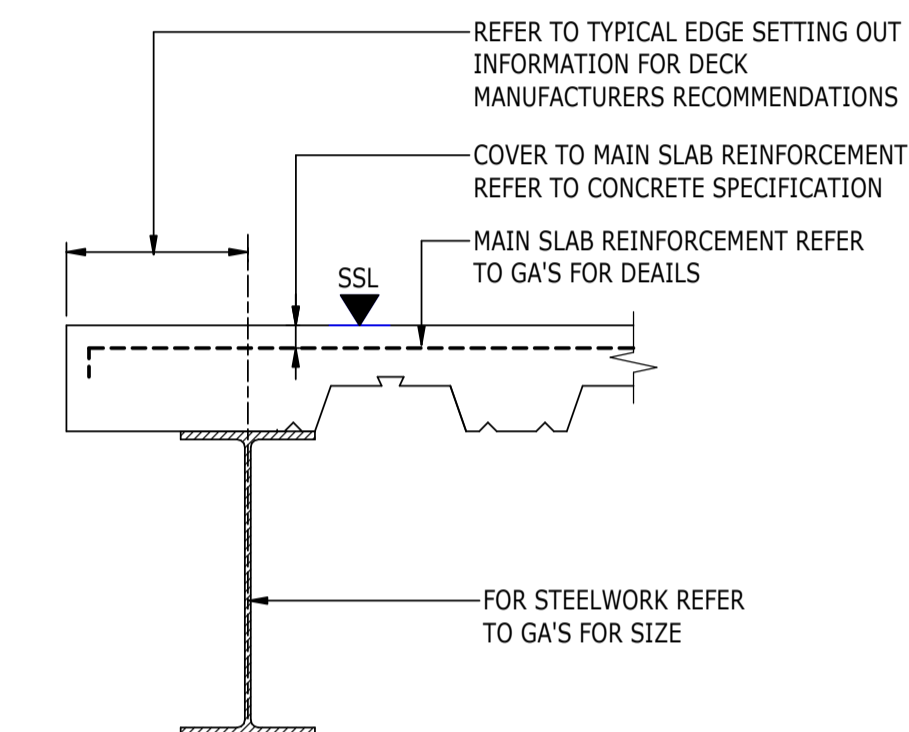
TYPICAL COMPOSITE SLAB
SPAN PARALLEL TO BEAM
(SCALE 1:10)



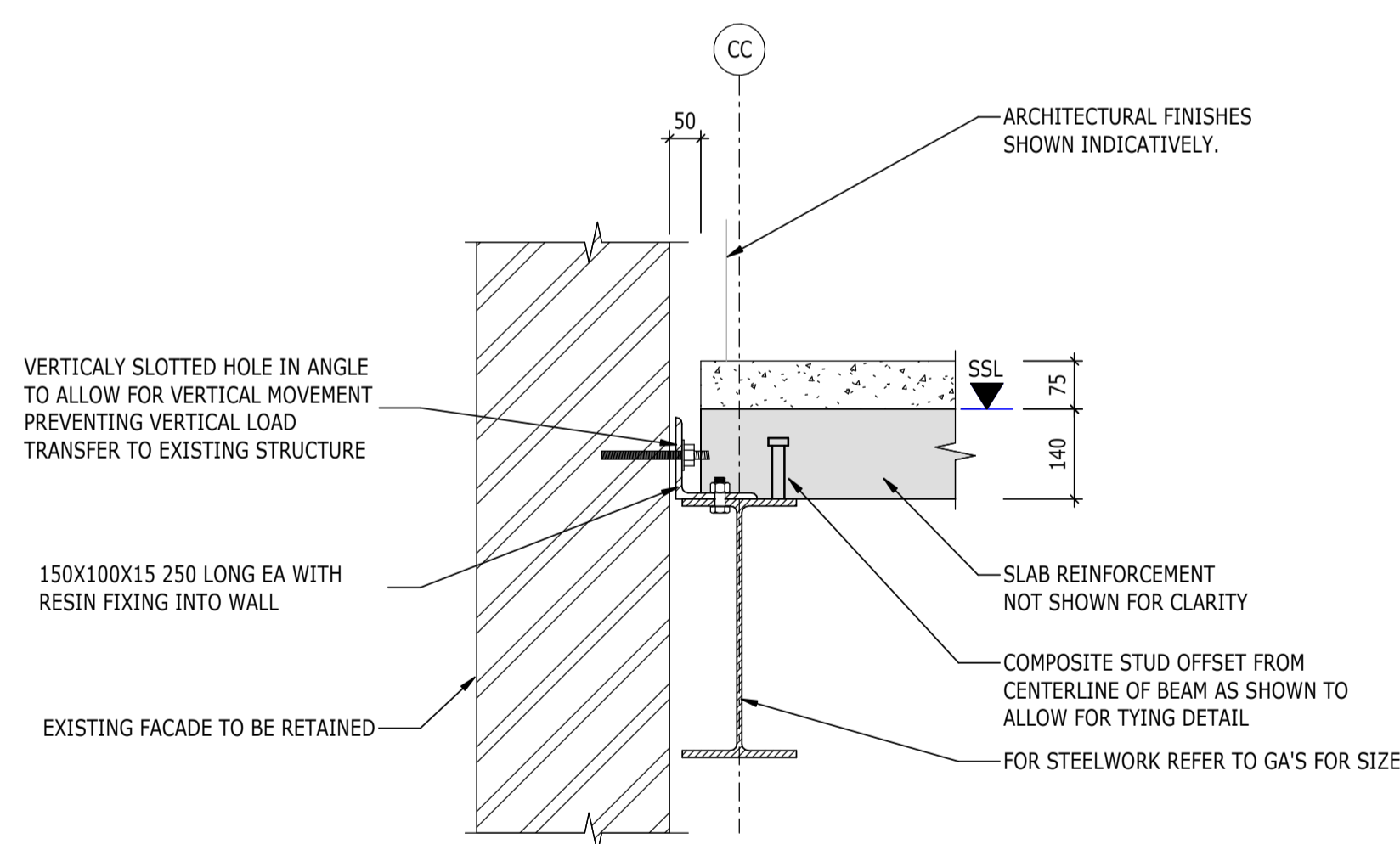
TYPICAL COMPOSITE SLAB
(CHANGE OF SPAN DIRECTION)
(SCALE 1:10)



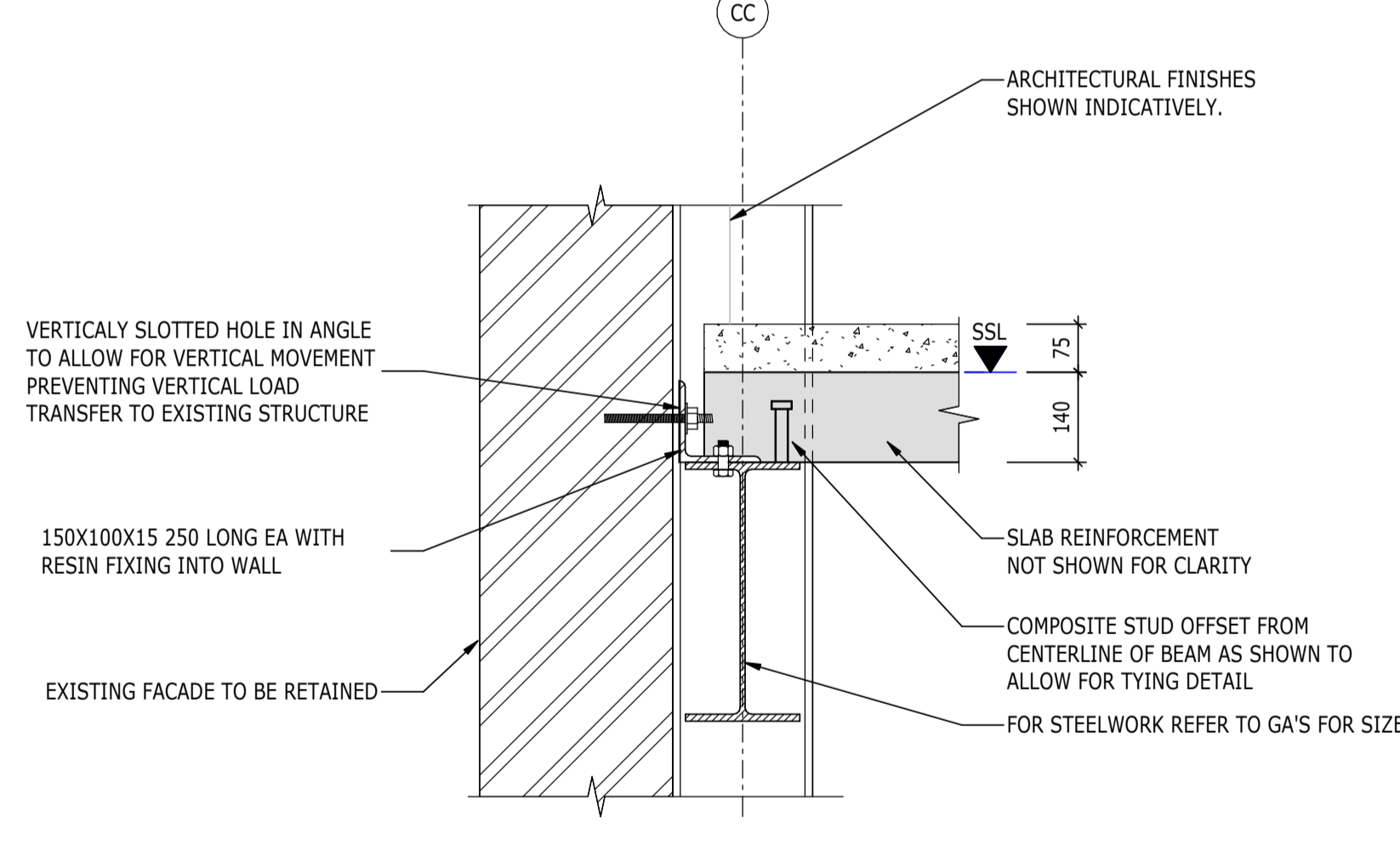
TYPICAL COMPOSITE SLAB EDGE
SPAN PERPENDICULAR TO BEAM
(SCALE 1:10)



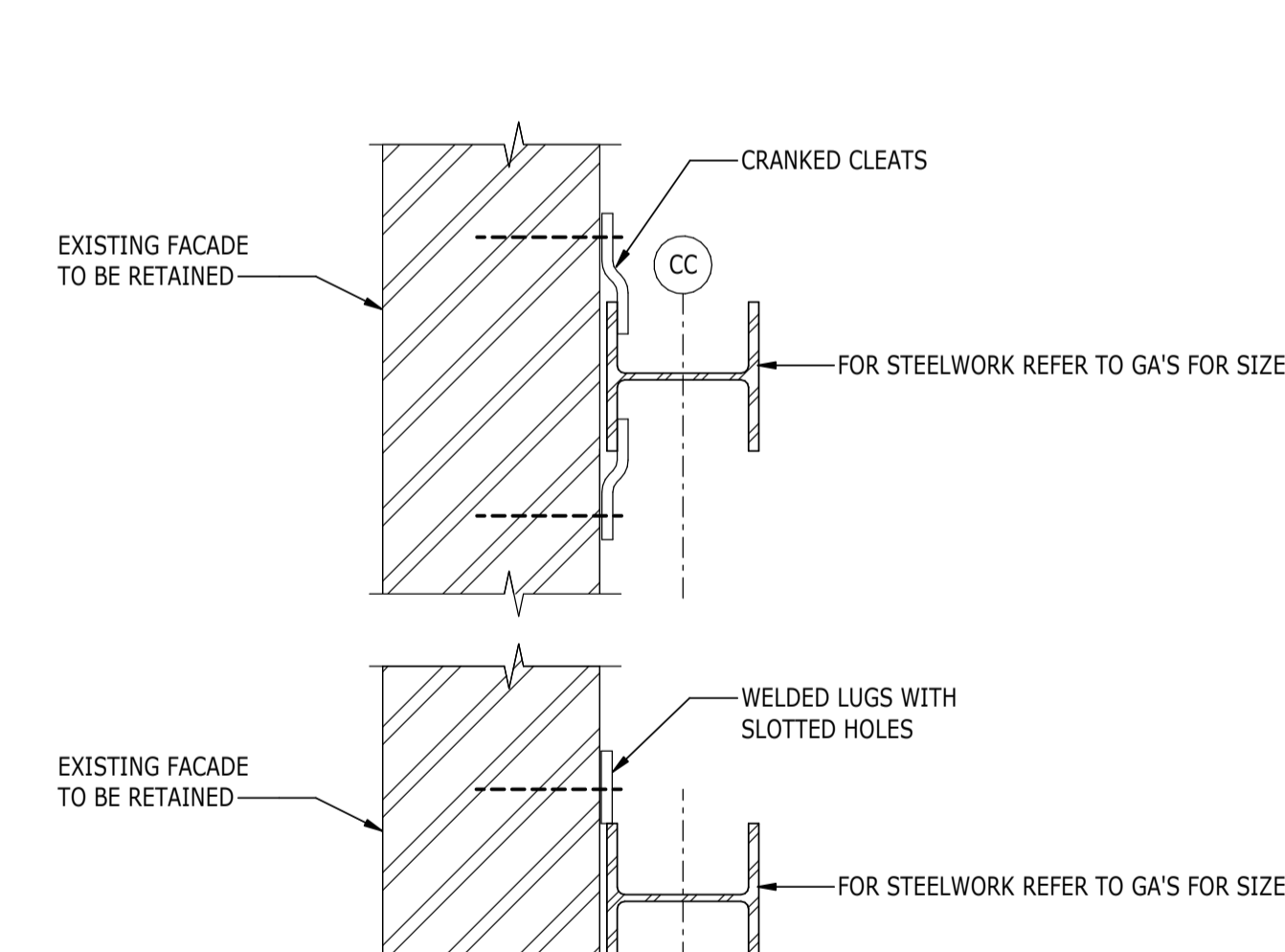
TYPICAL COMPOSITE SLAB EDGE
SPAN PARALLEL TO BEAM
(SCALE 1:10)



JUNCTION OF NEW FLOOR WITH
EXISTING RETAINED FACADE
(SCALE 1:10)



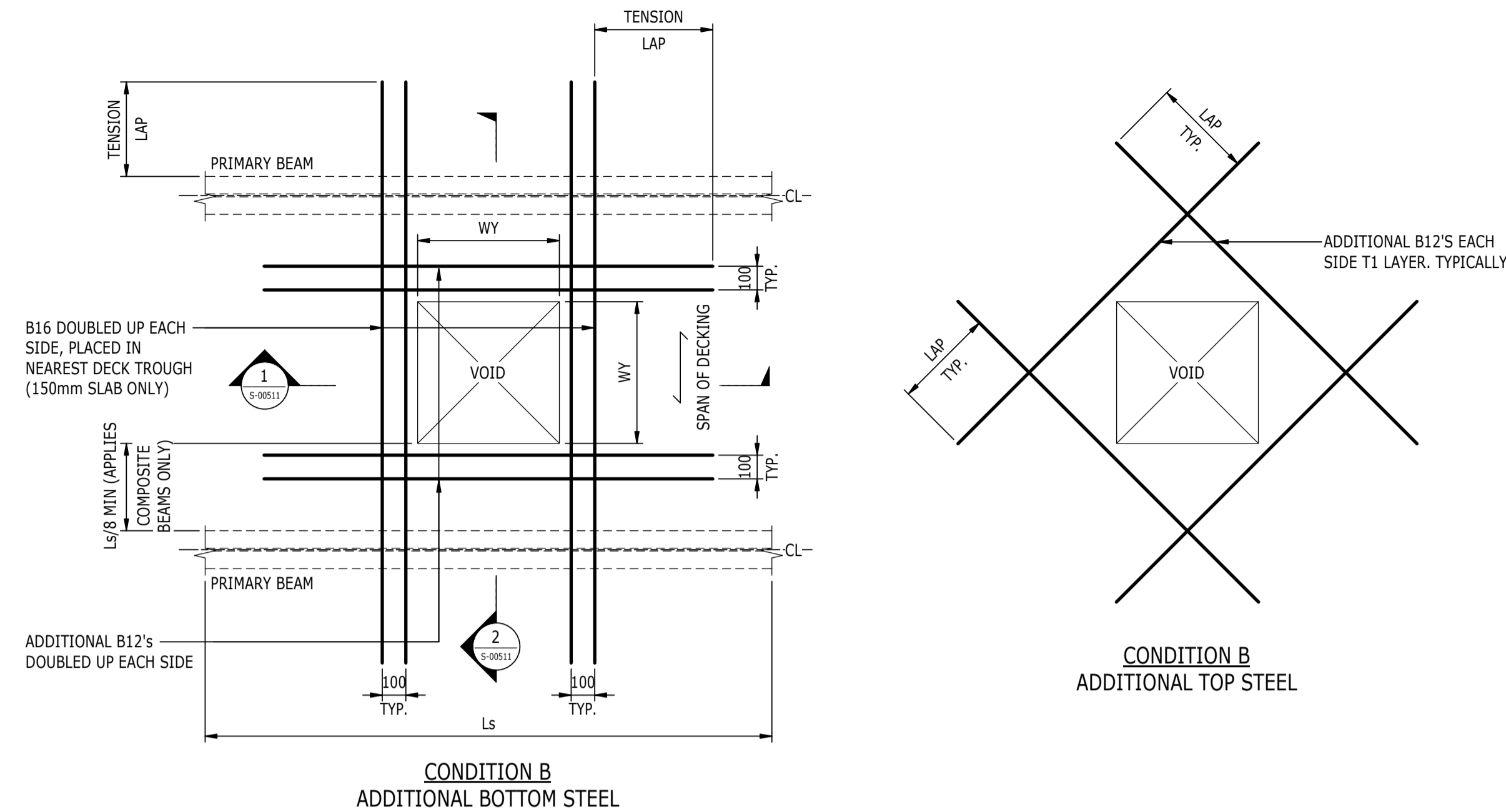
JUNCTION OF NEW FLOOR WITH
EXISTING RETAINED FACADE
(AT COLUMN GRIDLINE)
(SCALE 1:10)



(SCALE 1:10)

NOTES

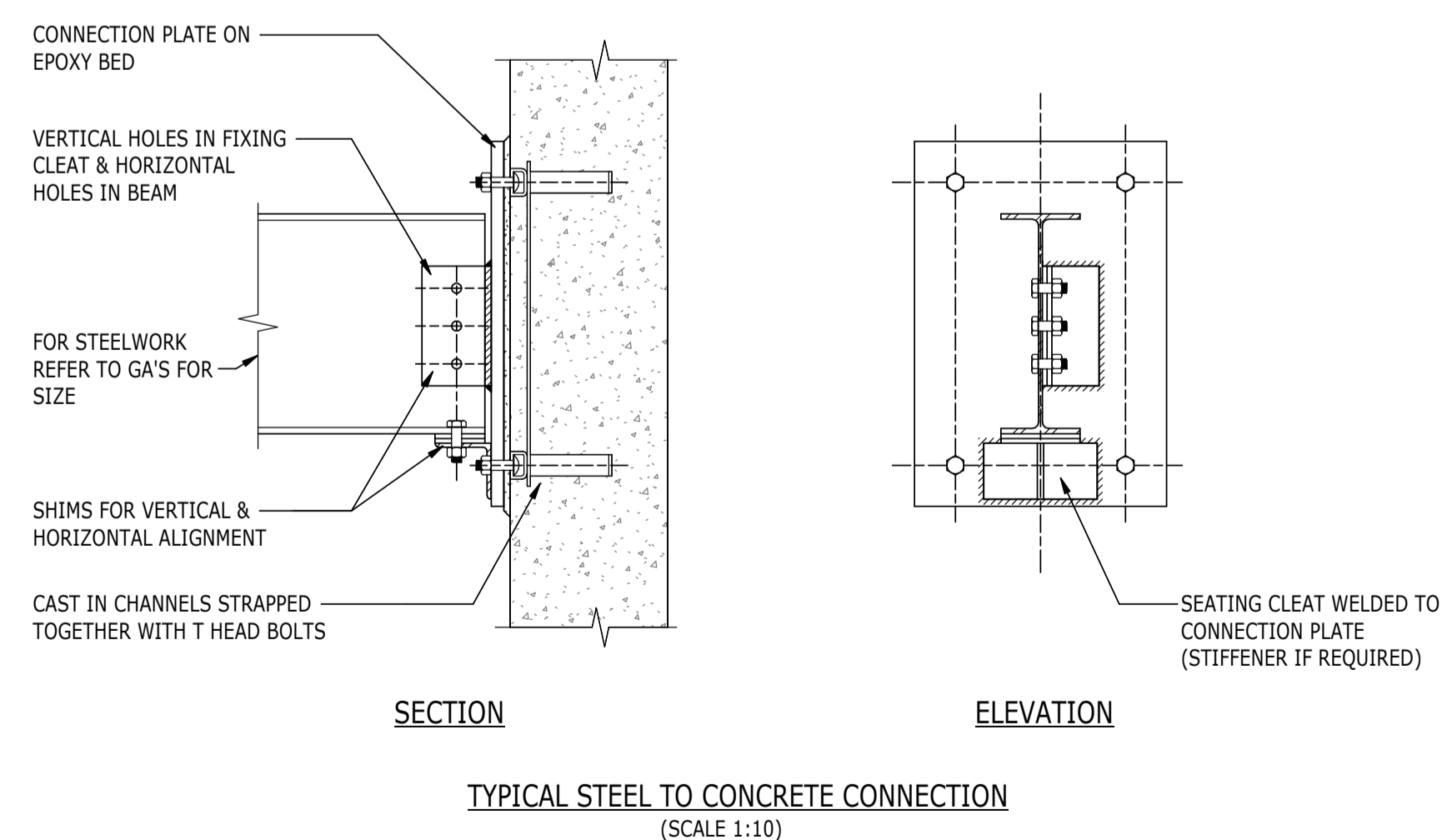
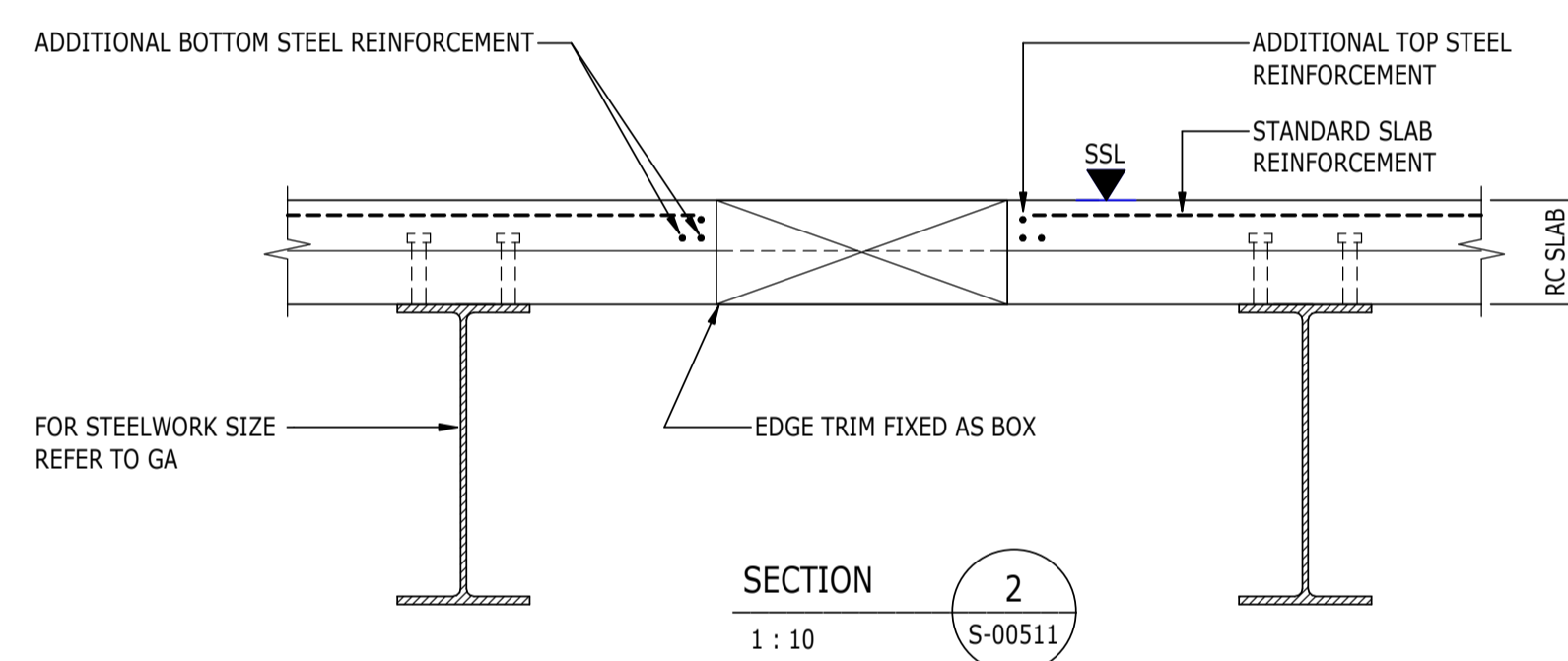
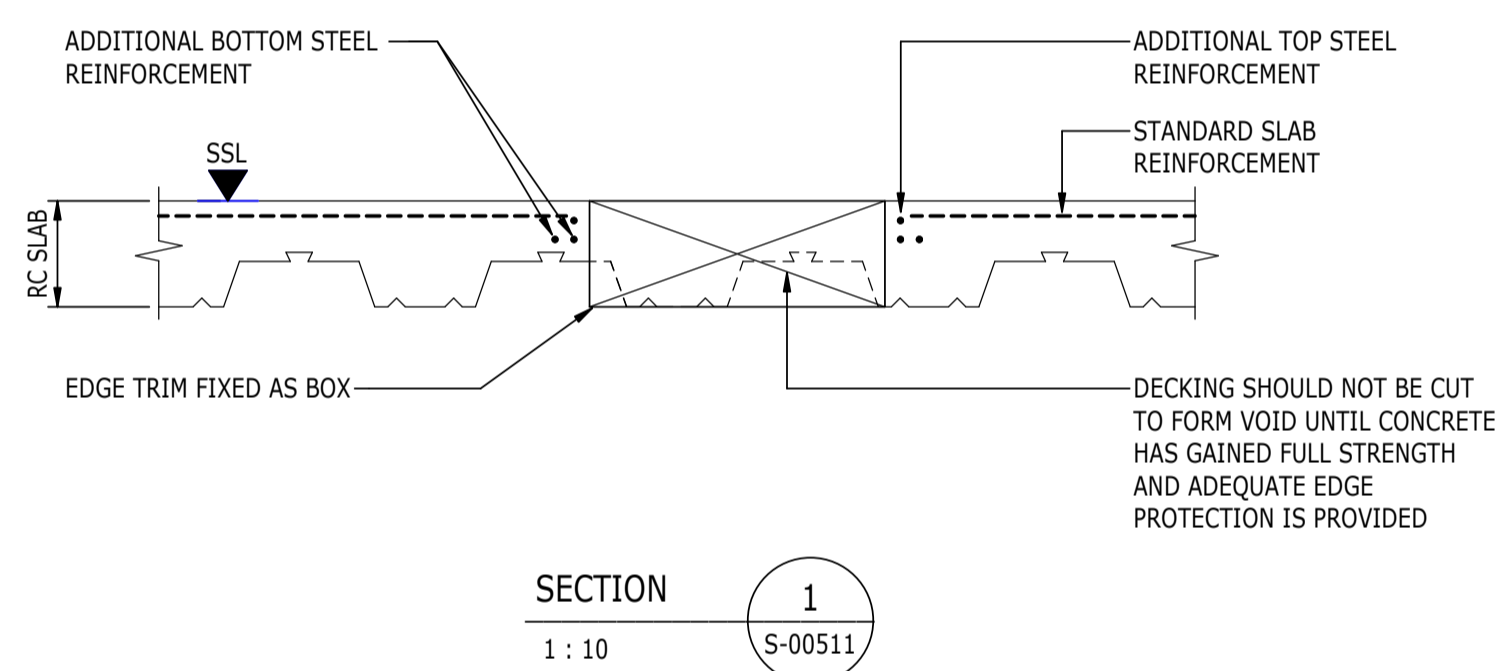
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TRIMMING OF OPENINGS IN METAL DECK SLABS		
CONDITION	OPENING SIZE	REQUIREMENTS
A	WY < 250mm	NO SPECIAL TREATMENT. BOX OUT OPENING PRIOR TO POURING CONCRETE. ONCE SLAB HAS CURED, THE DECK SHOULD BE CUT OUT USING A RECIPROCATING SAW OR NIBBLER
B	250mm < WY < 700mm	OPENING FORMED AS ABOVE. ADDITIONAL REINFORCEMENT REQUIRED
C	700mm < WY	STRUCTURAL STEEL TRIMMING REQUIRED

NB: SIZE CATEGORIES APPLY TO ISOLATED OPENINGS ONLY NOT GROUPS. OPENINGS CLOSER THAN 1.5 x THE WIDTH OF THE LARGEST HOLE SHOULD BE TREATED AS ONE LARGE OPENING

STANDARD SLAB REINFORCING OMITTED FOR CLARITY



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P01	PRELIMINARY DRAFT ISSUE	02/12	JC	PM
Rev	Description	Date	By	App
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S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



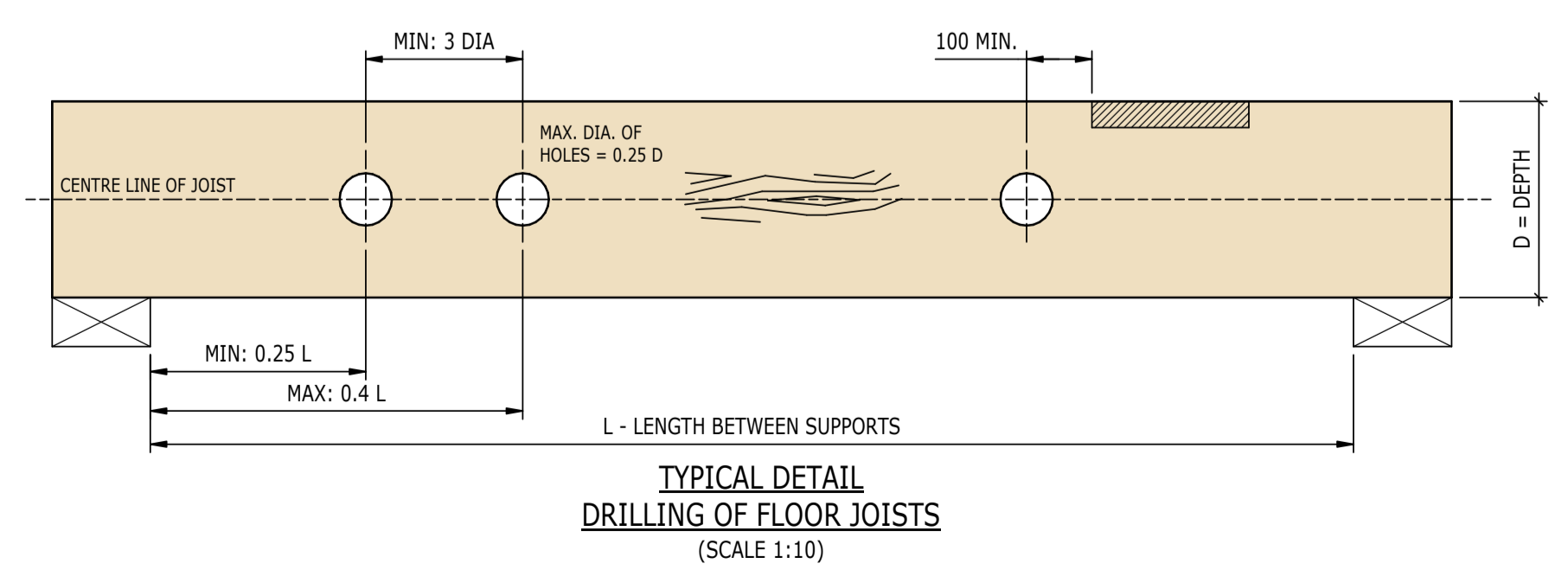
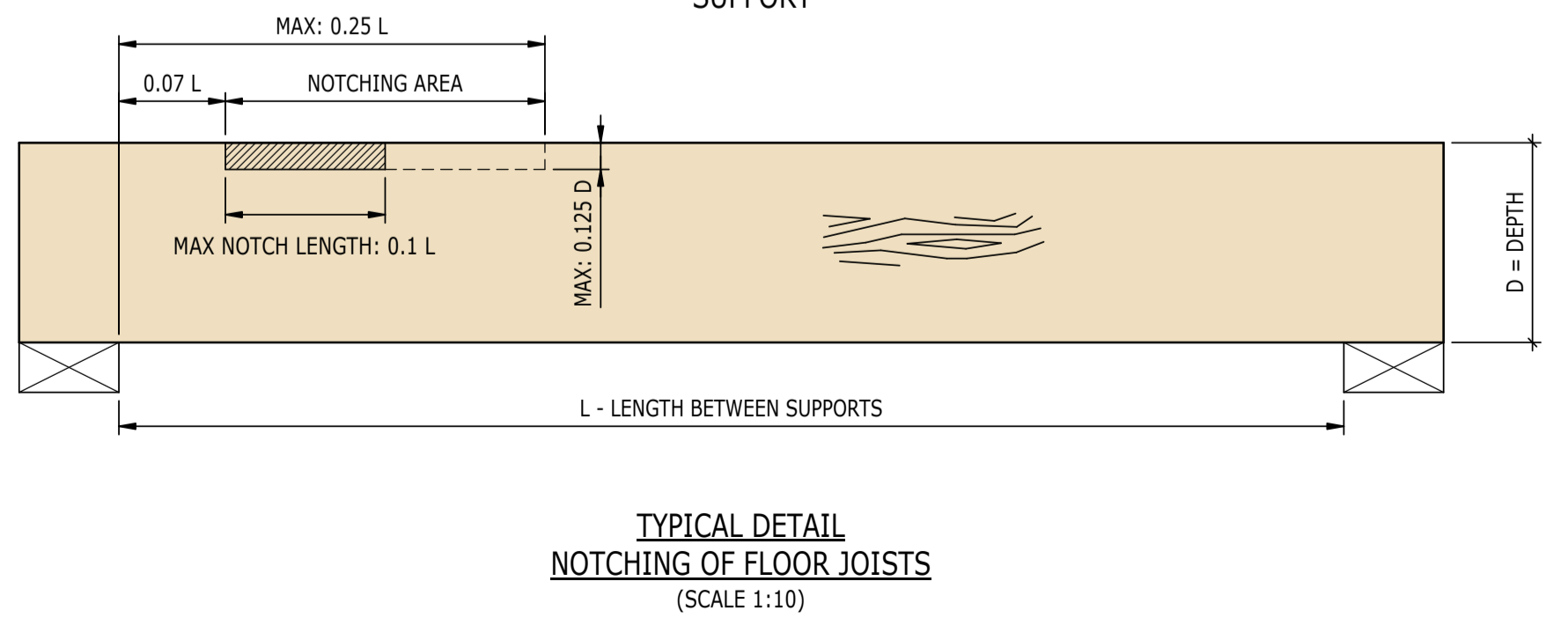
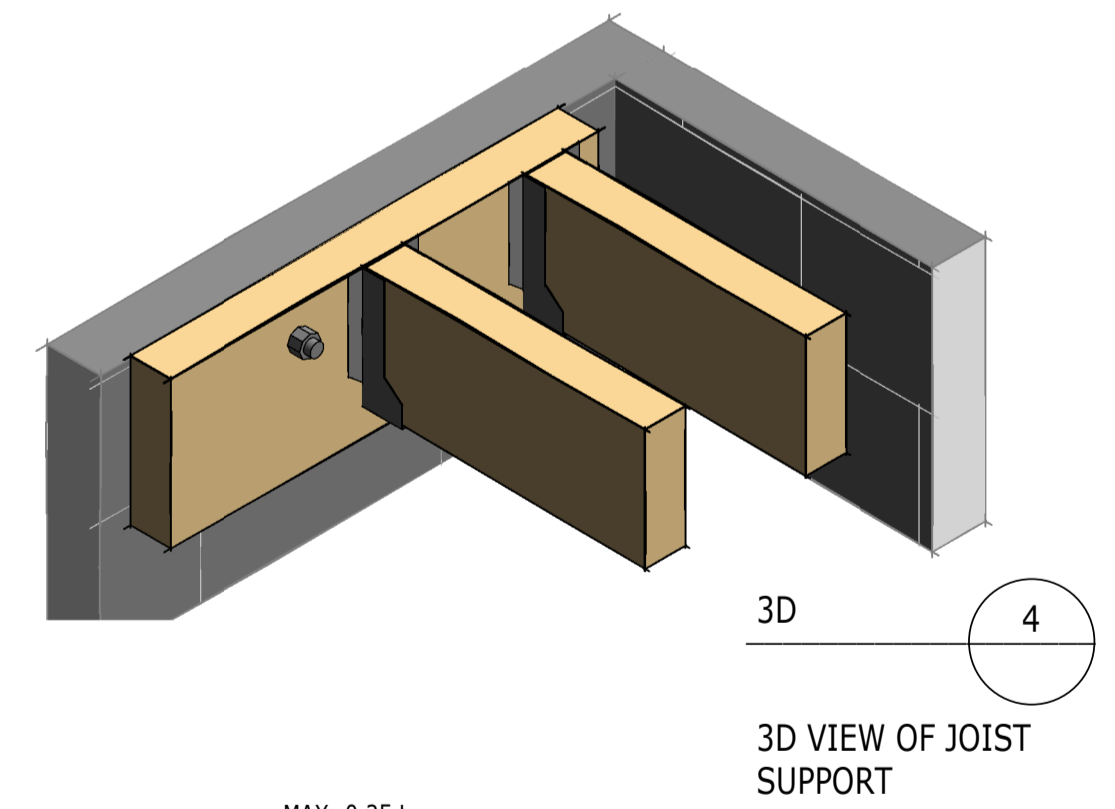
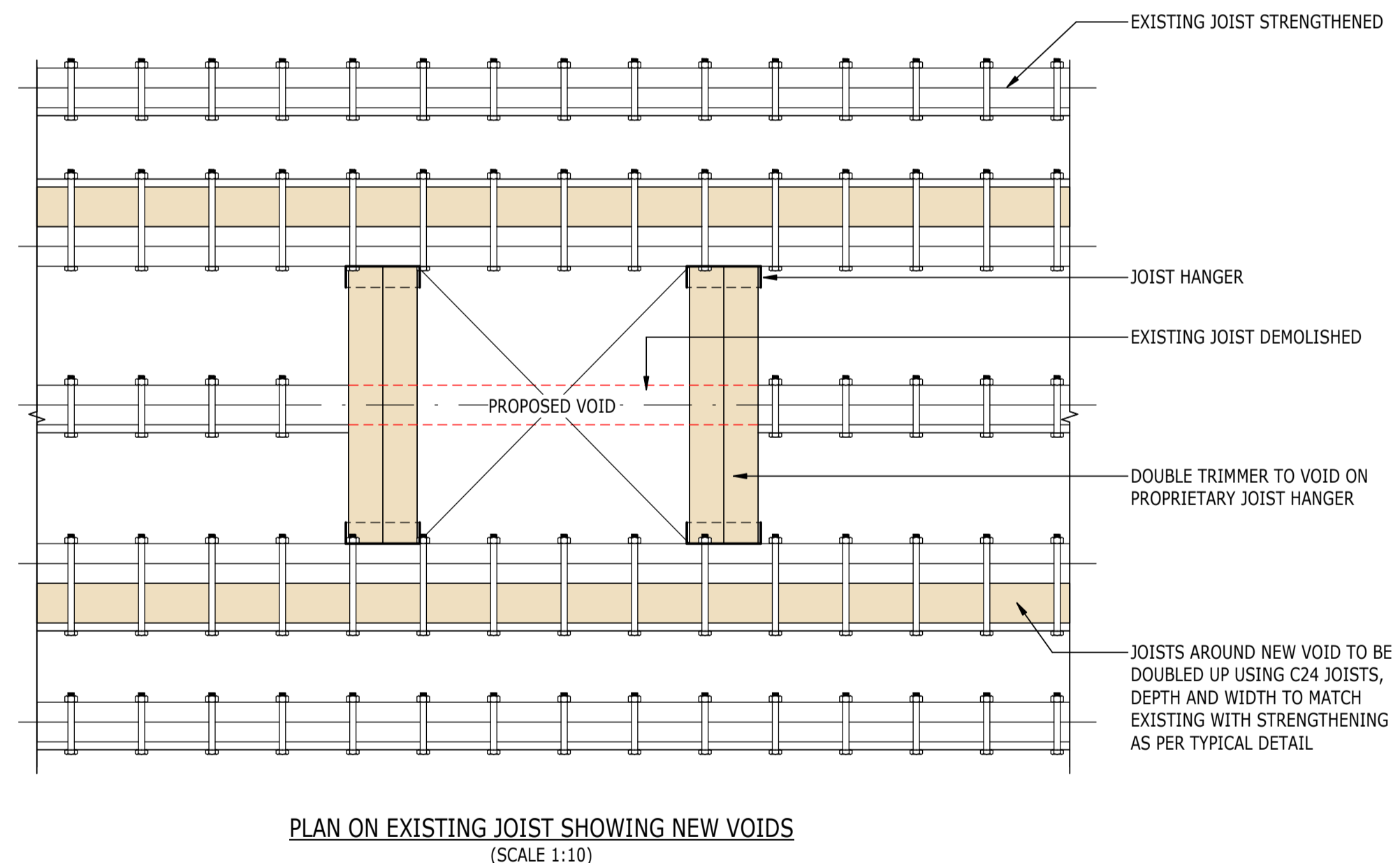
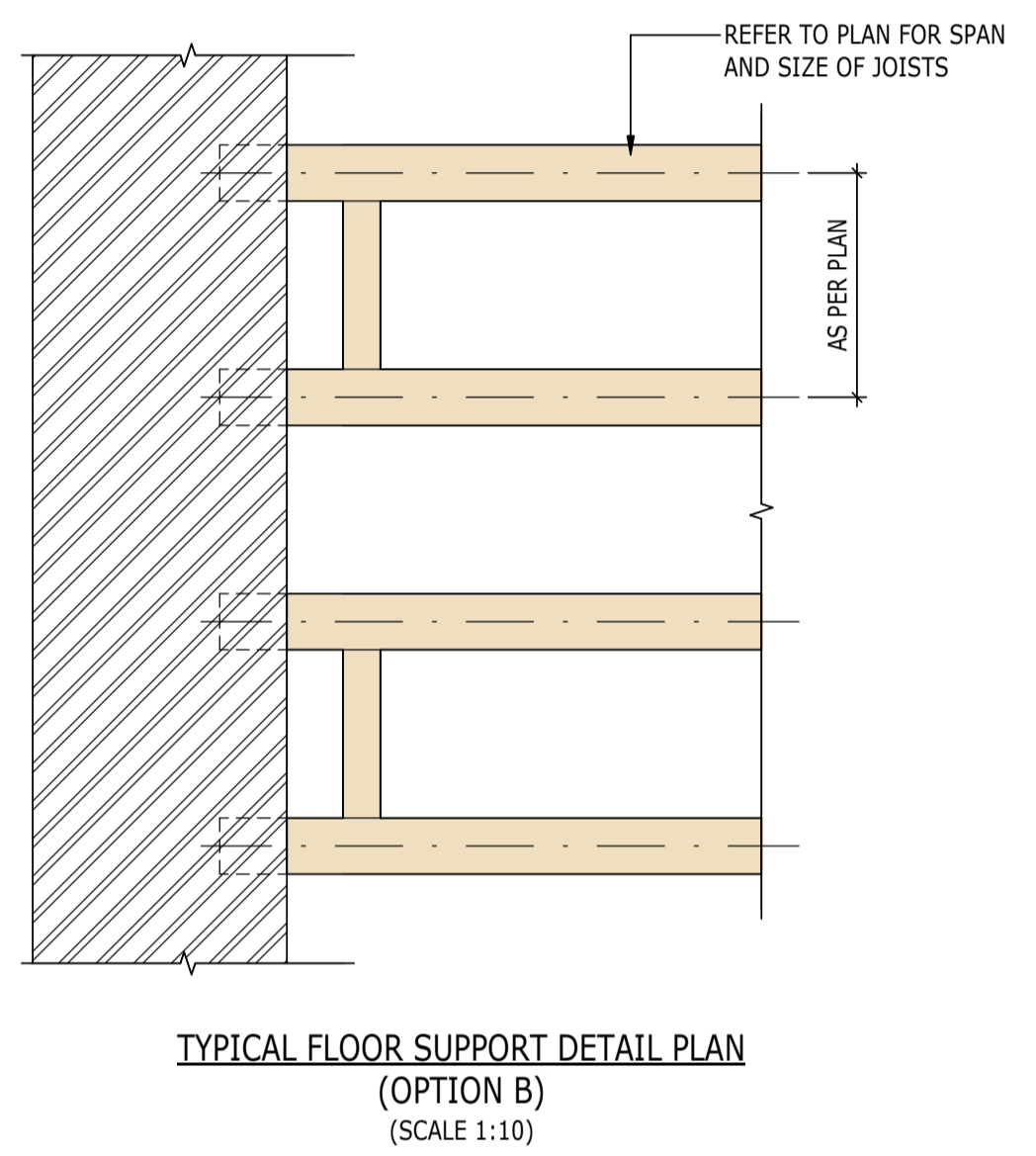
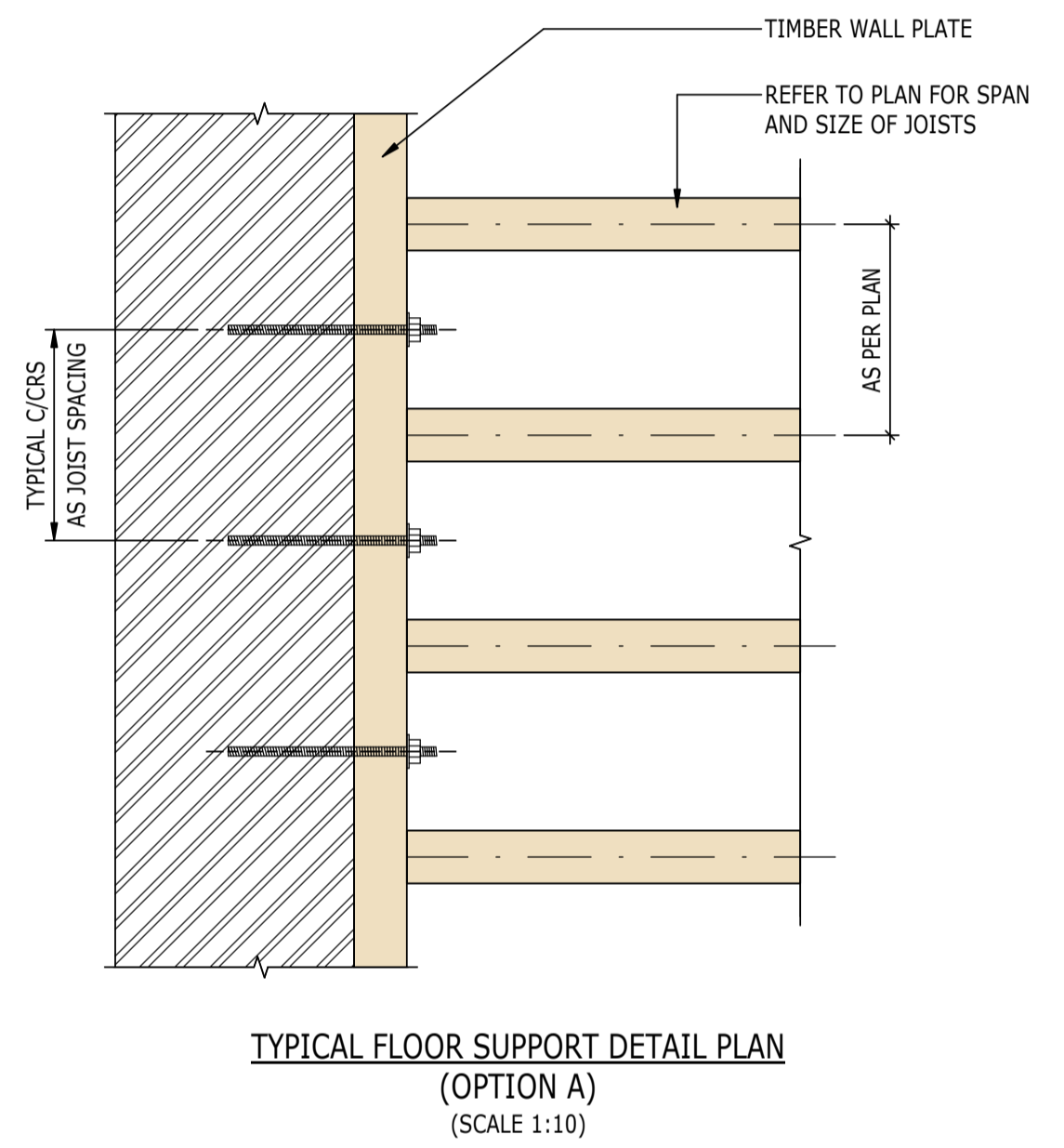
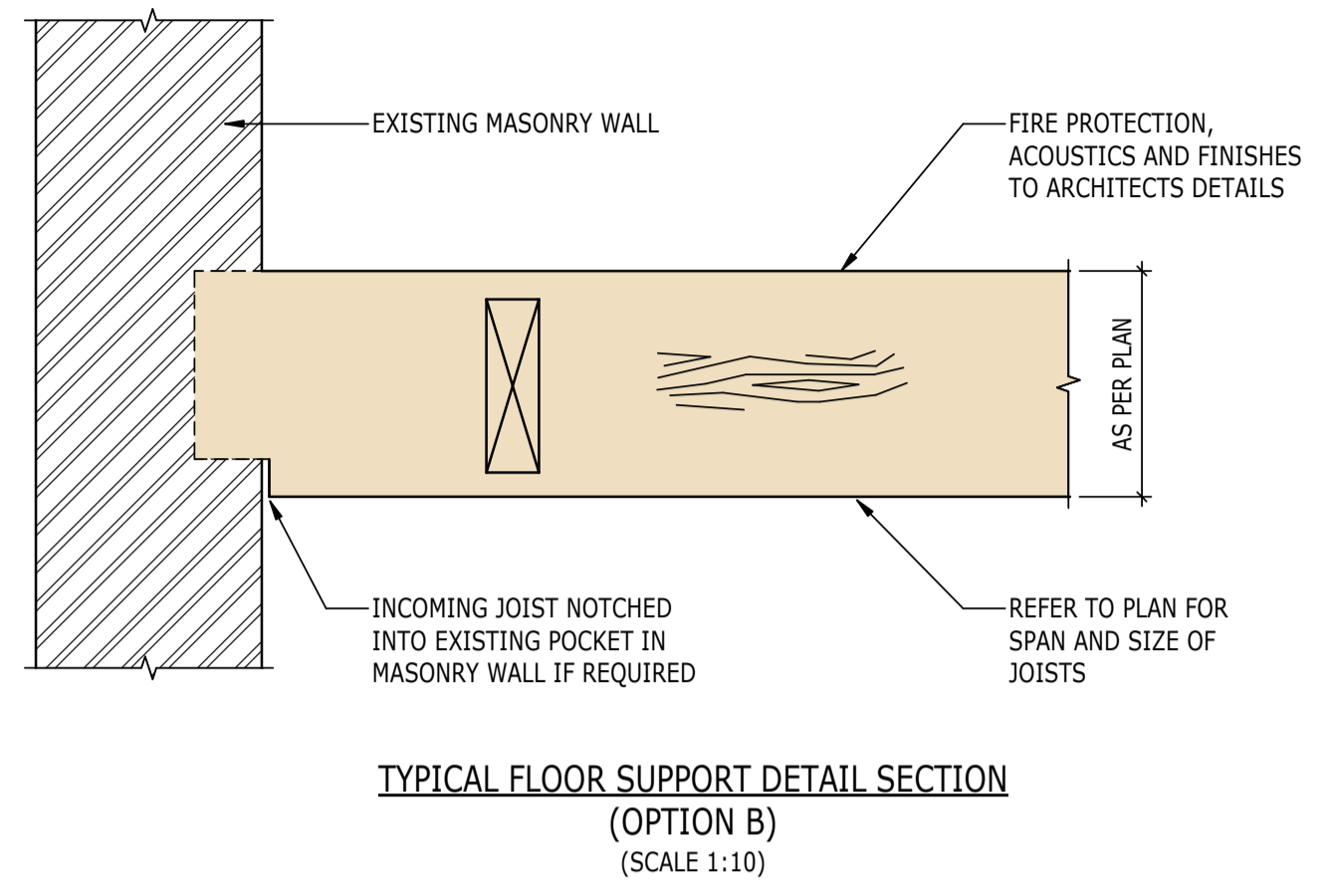
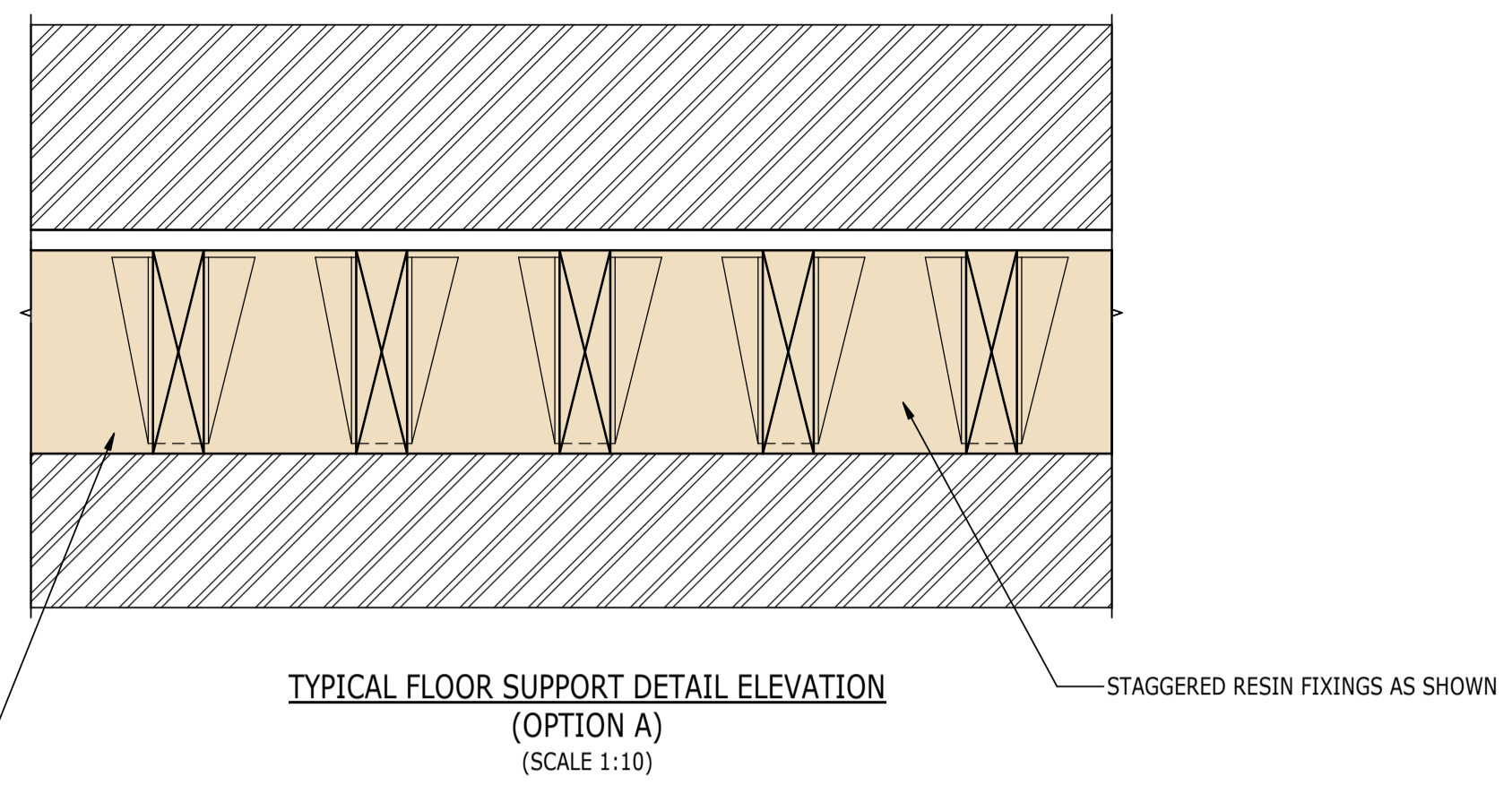
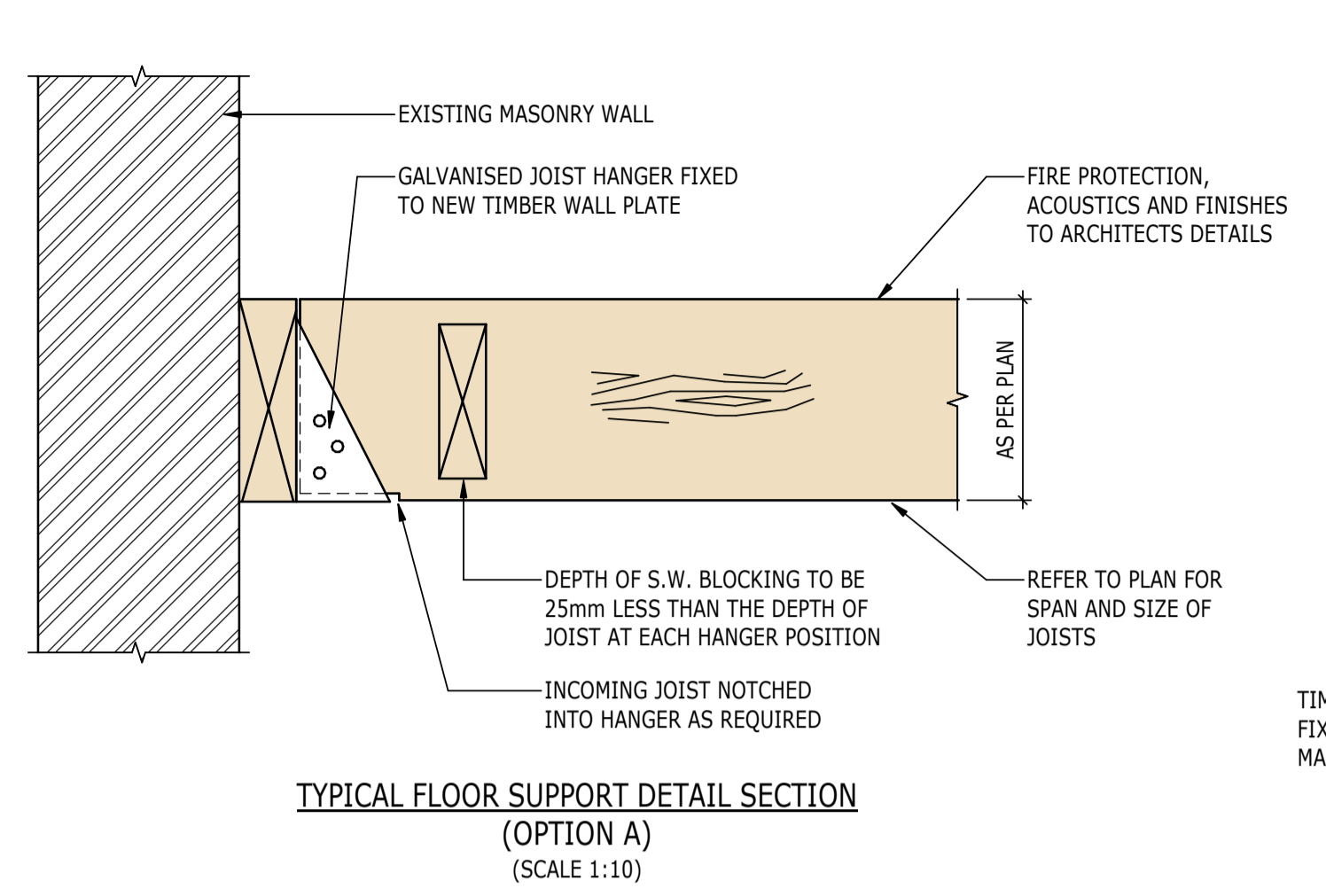
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SUPERSTRUCTURE DETAILS
SHEET 2

Project No:	Scale (@ A1):	Date:	Drawn:
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4217-RAM-ZZ-ZZ-DR-S-00511	P02		

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Rev	Description	Date	By	App
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S3 - FOR REVIEW AND COMMENT

THE GEORGE HOTEL
HUDDERSFIELD



TYPICAL TIMBER DETAILS





Project No:	Scale (@ A1):	Date:	Drawn:
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4217-RAM-ZZ-ZZ-DR-S-00560	P02		

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P01	PRELIMINARY DRAFT ISSUE	02/12/2022	JC	PM
Rev	Description	Date	By Chk	App

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TYPICAL UNDERPINNING
DETAILS

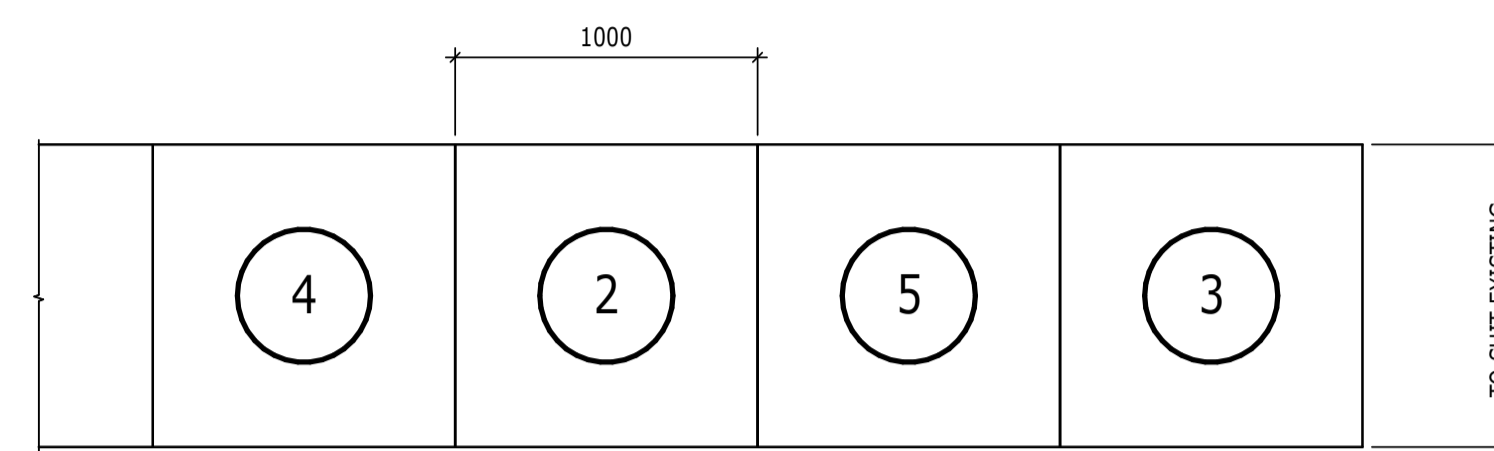
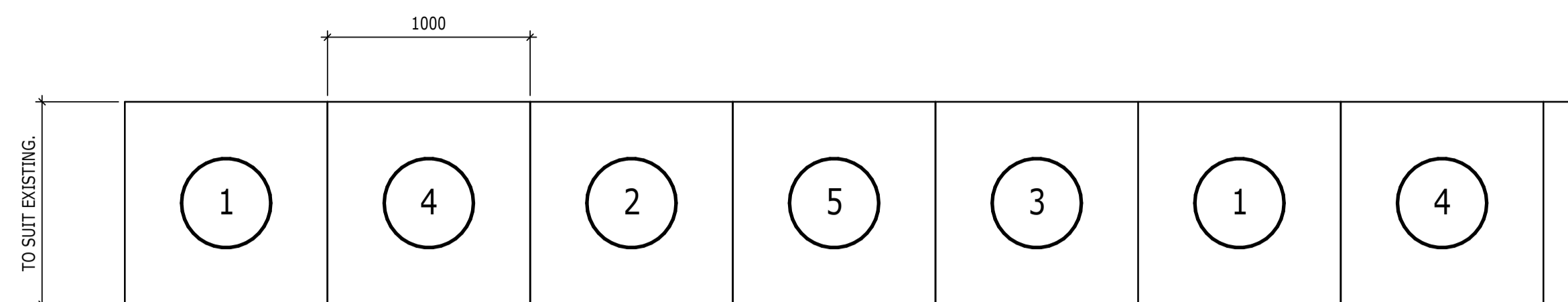
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4217-RAM-ZZ-FN-DR-S-00561	P02		

SEQUENCE OF OPERATIONS:-

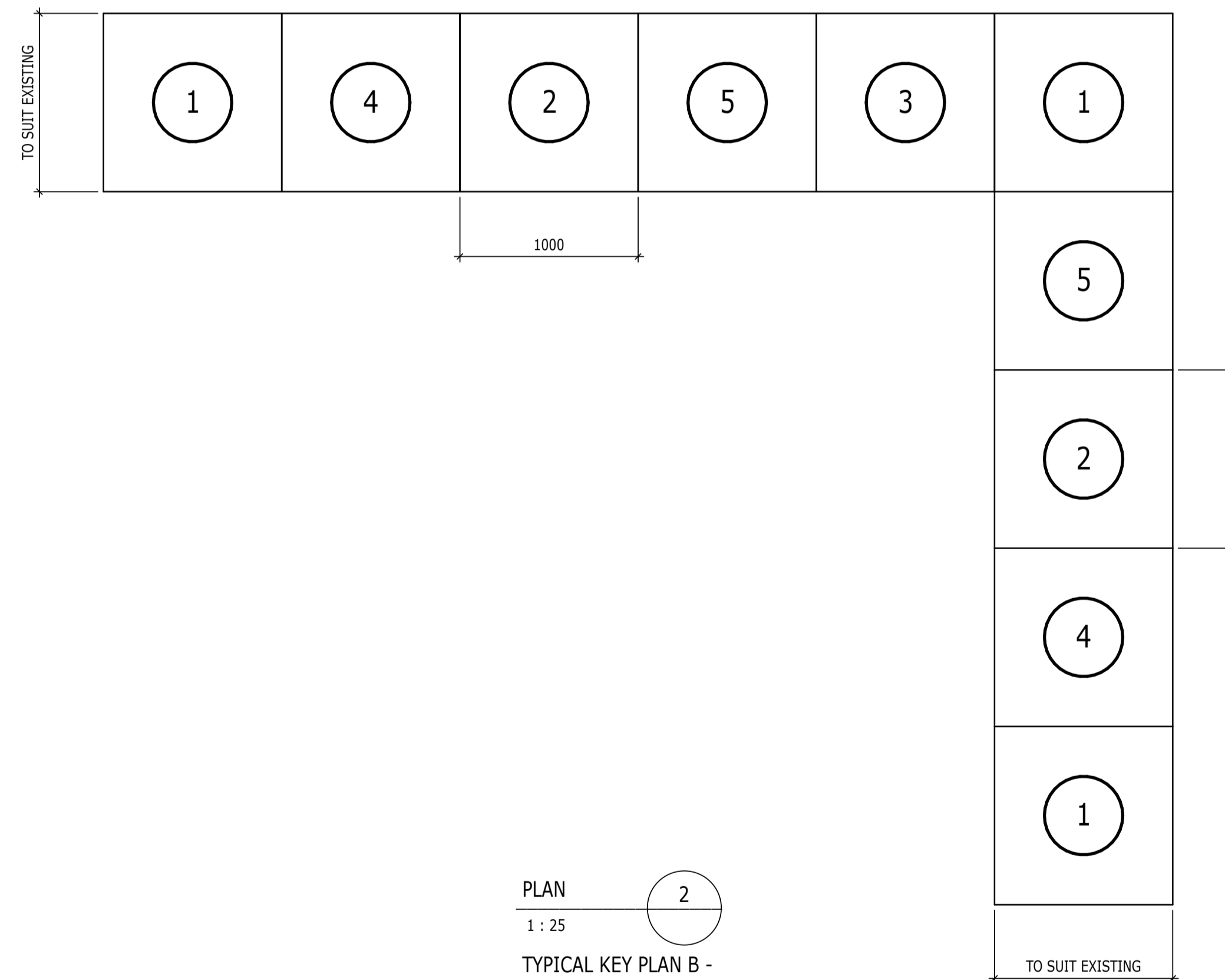
- INSTALL SACRIFICIAL PROPS (ADJUSTABLE OR DRY PACKED) USING THE METHOD AND DETAILS SEQUENCE AGREED WITH THE STRUCTURAL ENGINEER.
- EXCAVATE BETWEEN AND FIX REBAR BEAM CAGE.
- CONCRETE BEAM TO UNDERSIDE OF WALL OR
- DRY PACK WELL RAMMED TO BEAMS TOTAL LENGTH.
- EXCAVATE BSE AFTER A MINIMUM OF 48 HOURS.
- FIX ANTI-HEAVE AND POUR BASE TO FORMATON/ WITHIN 75mm OF BEAM SOFFIT.
- DRY PACK WELL RAMMED OVER BASE TO UNDERSIDE OF BEAM.
- FORM 150MM VOID DEPTH UNDER GROUND BEAM.

SHOWN ABOVE ARE TYPICAL NUMBERING OF BAYS OR AS AGREED IN ADVANCE WITH THE STRUCTURAL ENGINEER IF THERE ARE FEWER THAN 5no. BAYS

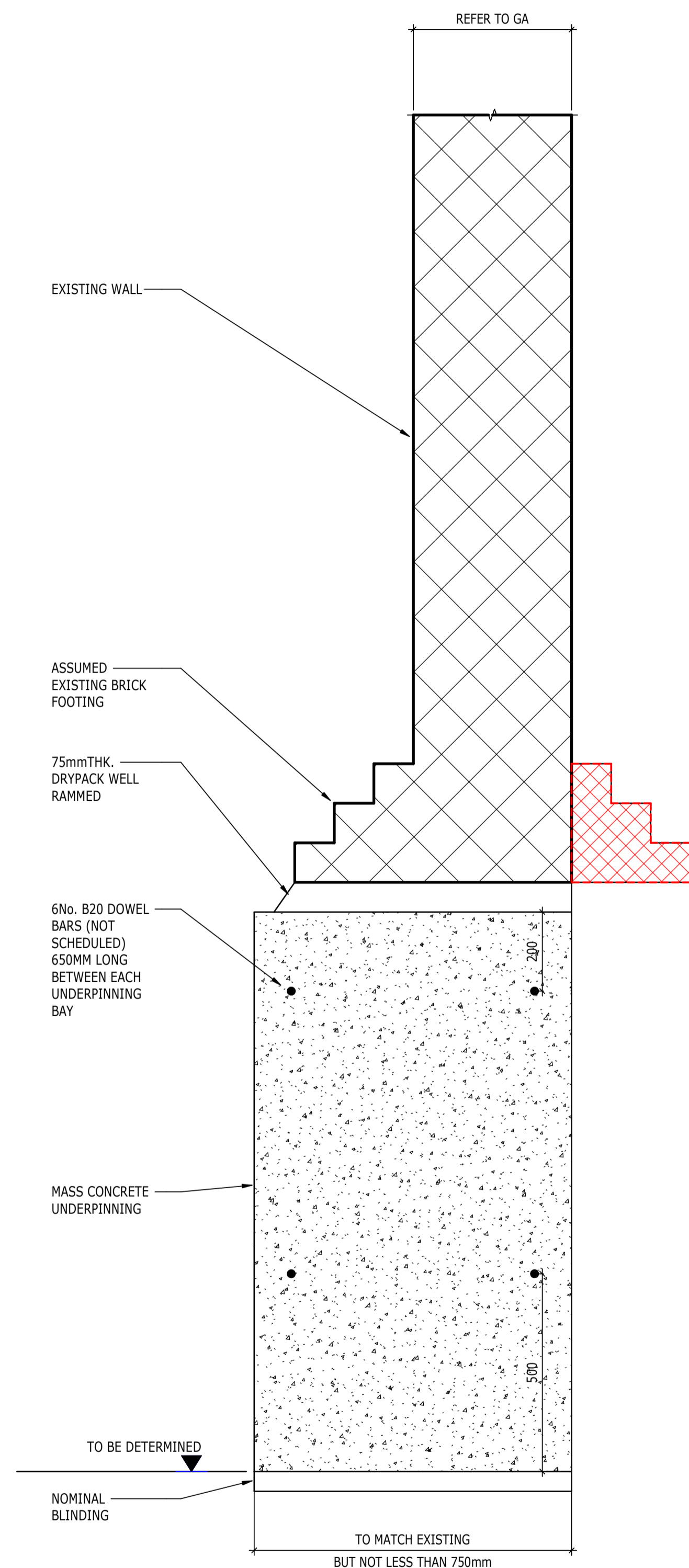
FOR SEQUENCE OF PROPOSED TEMPORARY PROPPING REFER TO DRAWING PRODUCED BY RDG.



PLAN 1
1 : 25
TYPICAL KEY PLAN A -
UNDERPINNING



PLAN 2
1 : 25
TYPICAL KEY PLAN B -
UNDERPINNING



SECTION 3
1 : 10
TYPICAL SECTION -
UNDERPINNING

EXISTING WALL

REFER TO GA

ASSUMED
EXISTING BRICK
FOOTING

75mmTHK.
DRYPACK WELL
RAMMED

6No. B20 DOWEL
BARS (NOT
SCHEDULED)
650MM LONG
BETWEEN EACH
UNDERPINNING
BAY

MASS CONCRETE
UNDERPINNING

TO BE DETERMINED

NOMINAL
BLINDING

TO MATCH EXISTING
BUT NOT LESS THAN 750mm