

GENERAL NOTES

1. THE CONTRACT STRUCTURAL DRAWINGS TO BE READ IN CONJUNCTION WITH ALL ARCHITECTS AND SERVICES DRAWINGS AND SPECIFICATIONS.
2. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO BRACING, SHORING OF LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. BEFORE RELATED WORK COMMENCES THE CONTRACTOR SHALL SUBMIT A METHOD STATEMENT AND SEQUENCE OF WORK TO THE ENGINEER AND ARCHITECT.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION. ALL DISCREPANCIES TO BE NOTIFIED, IN WRITING TO ENGINEERS AND ARCHITECTS FOR RESOLUTION. ALL SETTING-OUT TO BE TAKEN FROM THE ARCHITECTS DRAWINGS.
4. CONSTRUCTION MATERIAL SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOORS OR ROOF, IN SUCH A MANNER THAT THE STRUCTURE IS NOT OVERLOADED IN EITHER THE PERMANENT OR TEMPORARY CONDITION.
5. WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDUM. OTHER STANDARDS MAY BE CONSIDERED BUT ONLY WITH PRIOR APPROVAL BY THE ENGINEER.
6. CONTRACTOR TO ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING WITH APPROPRIATE TRADES, DRAWINGS AND SUBCONTRACTOR PRIOR TO CONSTRUCTION
7. OPTIONS ARE FOR CONTRACTORS CONVENIENCE. HE SHALL BE RESPONSIBLE FOR ALL CHANGES NECESSARY IF HE CHOOSES AN OPTION AND HE SHALL COORDINATE ALL DETAILS.
8. ALL DIMENSIONS ON DRAWINGS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED. WRITTEN DIMENSIONS ONLY APPLY. DRAWINGS ARE NOT TO BE SCALED.
9. FOR CLARITY, ALL ROOF AND FLOOR OPENINGS MAY NOT BE SHOWN ON FRAMING PLANS. FOR EXACT SIZE, NUMBER AND LOCATION FOR OPENING, SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS. WHERE OPENINGS ARE INDICATED ON THE STRUCTURAL DRAWINGS, THESE ARE TO BE CHECKED BY THE CONTRACTOR AGAINST RELEVANT SERVICE ENGINEERS OR SUBCONTRACTORS DRAWINGS PRIOR TO CONSTRUCTION.
10. ALL LEVELS ARE RELATED TO THE ORDINANCE DATUM (OD) – MALIN HEAD.
11. FOR LOCATION AND DETAILS OF ELECTRICAL EARTHING OF STRUCTURE REFER TO ELECTRICAL DRAWINGS AND DETAILS.
12. FOR FIRE PROOFING REQUIREMENTS REFER TO RELEVANT ARCHITECTS DRAWINGS.

REINFORCED CONCRETE

1. CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH BS EN 206-1. CEMENT SHALL BE ORDINARY PORTLAND CEMENT COMPLYING WITH IS1 OR BS12 UNLESS OTHERWISE APPROVED. REINFORCEMENT SHALL BE HOT ROLLED DEFORMED BARS COMPLYING WITH BS 4449. ALL HIGH YIELD BARS SHALL BE DEFORMED BARS TYPE 2. STEEL FABRIC SHALL COMPLY WITH BS 4483.
2. ALL CONCRETE SHALL BE IN ACCORDANCE WITH IS EN 206.
3. NOMINAL CONCRETE COVER TO REINFORCEMENT SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED ON DRAWINGS :

SURFACE POURED AGAINST EARTH	— 75mm
SURFACE POURED AGAINST FORMWORK BUT IN CONTACT WITH EARTH OR C15 BLINDING	— 50mm
BEAMS, COLUMNS	— 35 mm
SLABS	— 35mm
4. CONCRETE SHALL BE C28/35
5. FOR CONCRETING IN COLD WEATHER REFER TO THE PROVISIONS OF IS EN 206-1.
6. THE POSITION AND TREATMENT OF CONSTRUCTION JOINTS SHALL BE TO THE APPROVAL OF THE ENGINEER.
7. MOVEMENT JOINT FILLER SHALL BE A COMPRESSIBLE FIBRE BOARD SUCH AS HYDROCELL XL BY FOSROC INTERNATIONAL OR SIMILAR APPROVED.
8. MOVEMENT JOINT SEALANT SHALL BE A TWO PART POLYSULPHIDE SEALANT SUCH AS THIOFLEX 600 BY FOSROC INTERNATIONAL OR AN APPROVED EQUAL, UNLESS NOTED OTHERWISE.
9. CONCRETE VERTICAL SURFACES ADJOINING MASONRY WALLS SHALL BE CAST WITH A CONTINUOUS STAINLESS STEEL PROPRIETARY CHANNEL BY ANCON CCL OR SIMILAR APPROVED.
10. PROVIDE A MINIMUM OF 24 HOURS NOTICE TO THE ENGINEER FOR INSPECTION OF ALL REINFORCING STEEL PRIOR TO PLACING CONCRETE.
11. CONCRETE CUBES SHALL BE TAKEN AT A RATE OF ONE SET OF THREE CUBES PER 20m³ OR FRACTION THEREOF, WITH A MINIMUM OF ONE SET PER DAY PER CLASS OF CONCRETE. CUBES SHALL BE TESTED AT 7 AND 28 DAYS. ALL THE RESULTS SHALL BE FORWARDED DIRECTLY TO THE ENGINEER
12. ALL SAMPLING AND TESTING OF CONCRETE TO COMPLY WITH IS EN 206-1.
13. CORE DRILLING OF ANY REINFORCED CONCRETE ELEMENTS OF THE WORK SHALL NOT BE ALLOWED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ENGINEER.
14. CONTRACTOR TO NOTE THE EXPOSED PLYWOOD SHUTTERING JOINTS WILL NEED TO FOLLOW THE BUILDING MODULE DIMENSIONS OF 1500mm AND 3000mm. REFER TO ARCHITECTS DRAWINGS FOR THE PROPOSED JOINT LAYOUT.

MASONRY

1. MASONRY CONSTRUCTION SHALL CONFORM WITH IS EN 1996. BLOCKS SHALL BE CONCRETE MASONRY UNITS CONFORMING TO EN 771-3. SAND FOR MORTAR SHALL COMPLY WITH BS 1200. CEMENT SHALL BE ORDINARY PORTLAND CEMENT TO IS EN 197-1.
2. BLOCKS FOR RISING WALLS SHALL BE SOLID UNITS. BLOCK SIZES FOR OTHER AREAS SHALL BE AS INDICATED ON DRAWINGS OR SPECIFICATIONS. JOINT THICKNESS SHALL BE 10mm.
3. THE CHARACTERISTIC COMPRESSIVE STRENGTH OF THE BLOCKS SHALL BE 13 N/mm^2 UNLESS NOTED OTHERWISE ON DRAWINGS. BLOCKS SHALL BE TESTED AT A RATE OF 5 PER 1000 BY AN INDEPENDENT TESTING AGENCY
4. MORTAR SHALL BE GRADE M6 TYPE MORTAR
5. RISING WALL INTERSECTIONS SHALL BE TIED TOGETHER IN A MASONRY BOND. OTHER WALLS SHALL BE TIED IN MASONRY BOND AT CORNERS UNLESS NOTED OTHERWISE ON DRAWINGS.
6. CAVITY WALL TIES SHALL BE STAINLESS STEEL TYPE 1 TIES IN ACCORDANCE WITH BS DD140 UNLESS OTHERWISE NOTED ON DRAWINGS. TIES SHALL BE SPACED IN ACCORDANCE WITH IS EN 1996
7. FOR MASONRY CONSTRUCTION DURING COLD WEATHER REFER TO THE SPECIFICATIONS AND THE PROVISIONS OF EN 1996
8. ALL RISING WALLS SHALL BE LAID WITH FULL MORTAR COVERAGE ON HORIZONTAL AND VERTICAL FACES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING AND BRACING OF ALL MASONRY WALLS AS NECESSARY TO ENSURE STABILITY DURING CONSTRUCTION. SUCH SHORING AND BRACING SHALL BE MAINTAINED IN POSITION UNTIL THE MASONRY HAS ATTAINED ITS DESIGN STRENGTH AND THE RESTRAINING/SUPPORT STRUCTURE IS IN PLACE.
10. BACK FILL SHALL NOT BE PLACED AGAINST WALLS WITHIN 10 DAYS OF COMPLETION OF THE WALL. THE MAXIMUM LEVEL DIFFERENCE BETWEEN BACK FILL ON EITHER SIDE OF A MASONRY WALL SHALL BE 225mm. HEAVY EQUIPMENT USED IN BACK FILLING SHALL NOT OPERATE CLOSER TO THE WALL THAT A DISTANCE EQUAL TO THE HEIGHT OF THE BACK FILL ABOVE THE FOOTING.
11. FOR LINTEL DETAILS REFER TO PROJECT DETAIL DRAWINGS
12. REFER TO ARCHITECTS DRAWING FOR DETAILS OF SETTING OUT TO MASONRY WALLS.
13. CONTRACTION JOINTS IN BLOCKWORK WALLS (EXTERNAL AND INTERNAL) TYPICALLY AT NO GREATER THAN 7M CENTRES.

STRUCTURAL STEELWORK

1. ALL STRUCTURAL STEELWORK SHALL BE CARRIED OUT IN ACCORDANCE WITH IS EN 1993
2. STEEL GRADES :
UB/UC : S355 TO BS EN 10025, U.N.O.
CHANNELS/PLATES : S355 TO BS EN 10025, U.N.O.
CHS/SHS/RHS : S355 TO BS EN 10210, U.N.O.
EQUAL/UNEQUAL ANGLES : S275 TO BS EN 10056, U.N.O.
KICK FLATS/BARS : S275 TO BS EN 10025, U.N.O.
3. ALL STEEL SHALL BE SAW CUT.
4. ANCHOR BOLTS SHALL BE GRADE 8.8 MATERIAL UNLESS STATED OTHERWISE ON THE DRAWINGS. GROUT UNDER BASE PLATES SHALL BE SBD FIVE STAR NON SHRINK GROUT MIXED AND INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. HOLDING DOWN BOLTS AND LEVELING PACKS SHALL BE TOTALLY ENCLOSED BY GROUT.
5. BLAST CLEAN STEEL TO SA 2 1/2. FINISH TO BE PAINTED OR GALVANIZED AS INDICATED ON THE ARCHITECTURAL G.A. DRAWINGS OR SPECIFICATIONS. ALL EXTERNAL STEEL TO BE GALVANIZED, ACID ETCHED AND PAINTED TO COLOUR TO BE AGREED WITH ARCHITECT.
ALL INTERNAL STEEL TO BE PAINTED
6. 35N CONCRETE BEARING PADS REQUIRED UNDER BEARING ENDS OF ALL STEEL BEAMS.
BEARING PADS GENERALLY TO BE 440mm LONG x 225mm DEEP x THICKNESS OF BLOCKWORK
7. ALL CONNECTIONS NOT SHOWN ON THE ENGINEERS DRAWINGS SHALL BE DESIGNED AND DETAILED BY THE CONTRACTOR. CALCULATIONS SHALL BE SUBMITTED FOR APPROVAL WITH THE FABRICATION DRAWINGS.
8. THE CONTRACTOR SHALL SUBMIT FULLY DETAILED FABRICATION DRAWINGS TO THE ENGINEER FOR APPROVAL A MINIMUM OF 10 WORKING DAYS BEFORE FABRICATION IS DUE TO COMMENCE. NO FABRICATION SHALL COMMENCE UNTIL APPROVAL OF THE SHOP DRAWINGS IS RECEIVED AND UNTIL ALL COMMENTS HAVE BEEN INCORPORATED.
9. APPROVAL BY THE ENGINEER IN NO WAY RELIEVES THE CONTRACTOR FOR ANY RESPONSIBILITY FOR THE ACCURACY, CORRECTNESS AND ADEQUACY OF CALCULATIONS, DESIGN, DETAILS AND DIMENSIONS.
10. ALL STEELWORK BELOW GROUND TO BE ENCASED IN CONCRETE. MINIMUM COVER TO STEEL TO BE 75mm.
11. ALL CONTACT SURFACES IN FRICTION GRIP BOLTED CONNECTIONS TO BE LEFT UNPAINTED.

T1	Comments	GOH	10.06.26
REV.	AMENDMENT	BY	DATE

DRAWN:	GO'H	TECH. CHECK:	GO'H
SCALE @ A1:	AS SHOWN	ENG. CHECK:	CO'C
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STAGE:	TENDER		

JOB TITLE:	TRANSFORMER UPGRADE, SLIGO UNIVERSITY HOSPITAL. (SUH).
DRAWING TITLE:	SPECIFICATION NOTES
CLIENT:	HSE

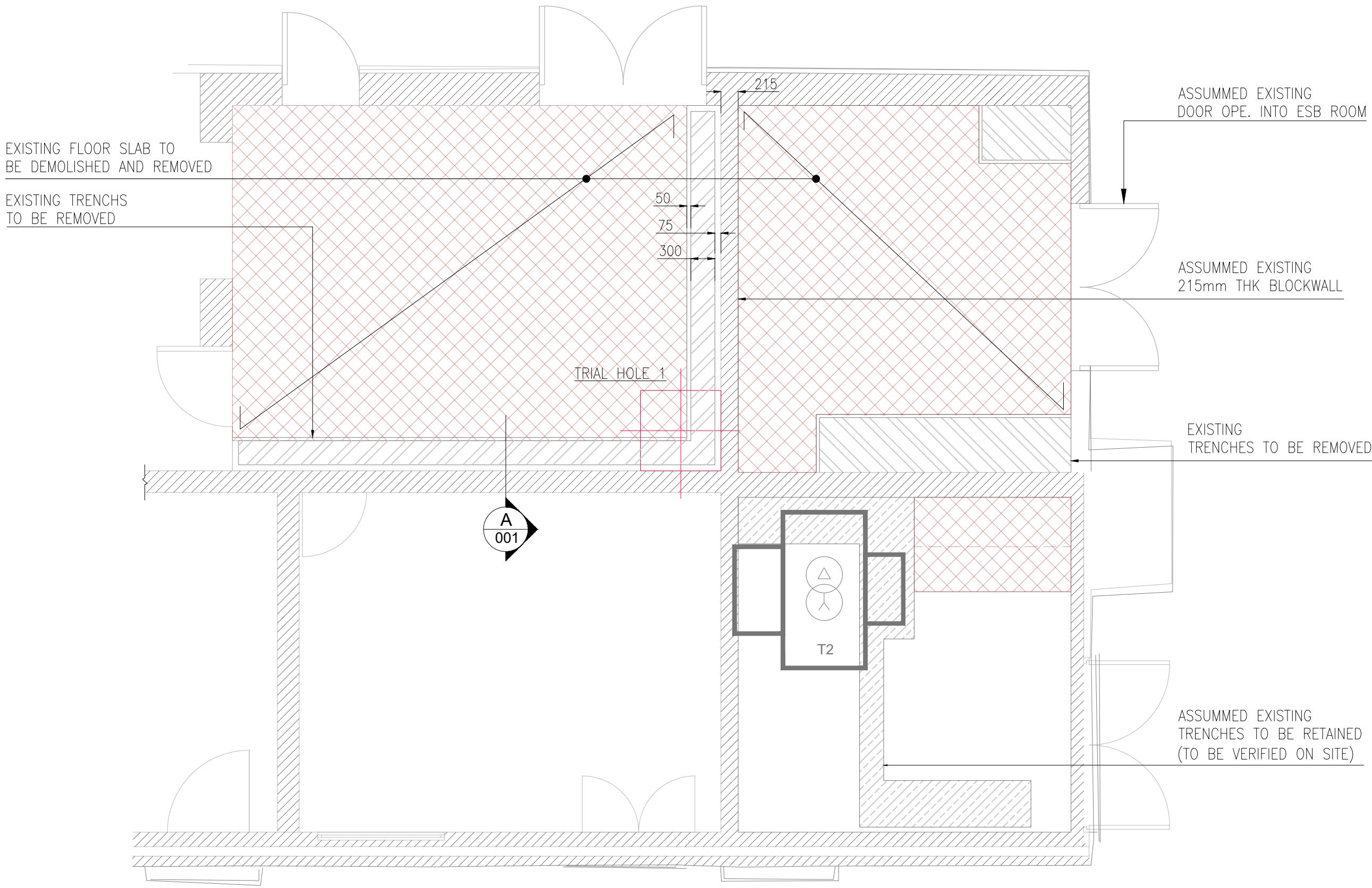
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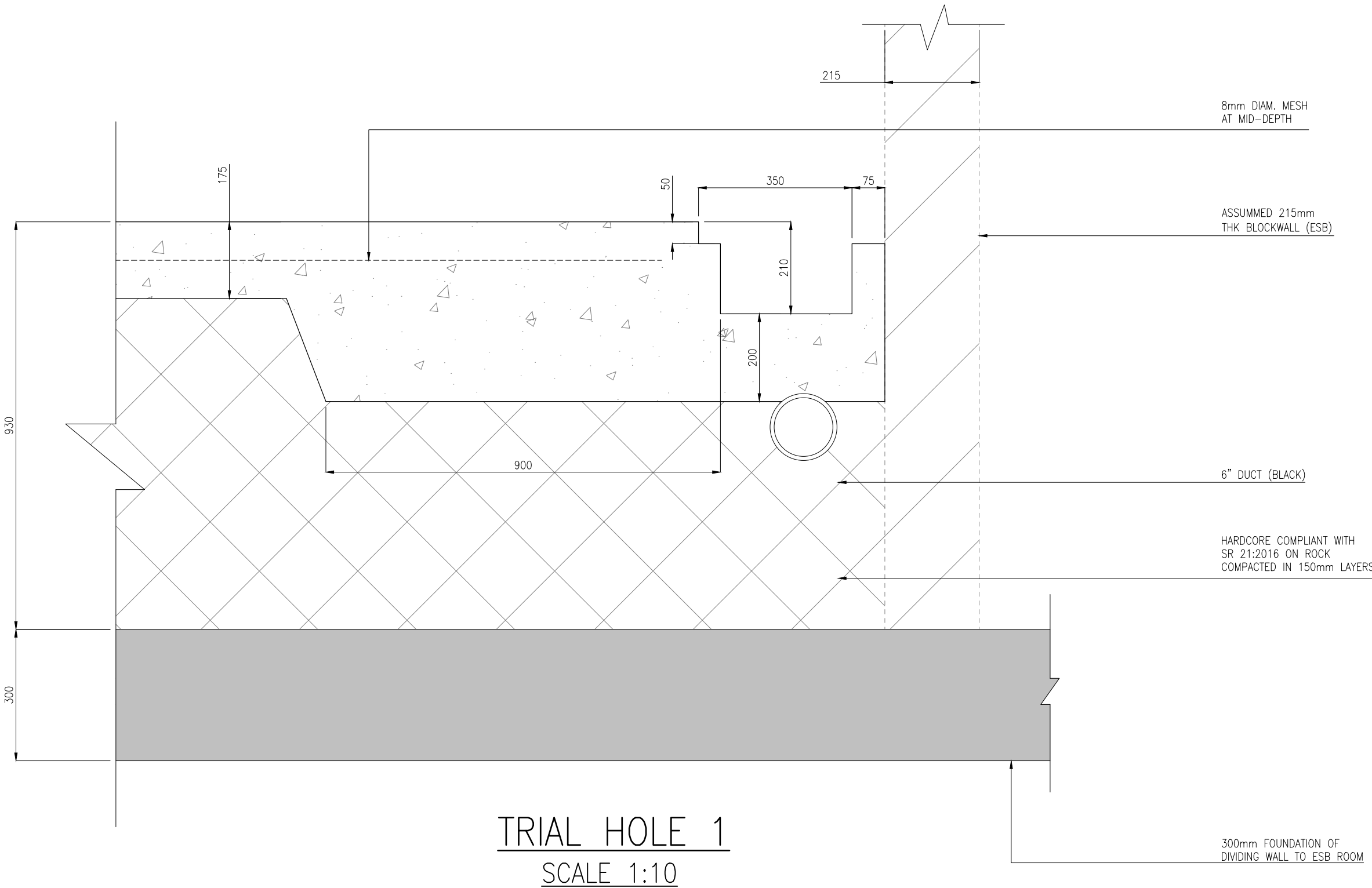
IMAGES OF EXISTING 'ESB ROOM'
SCALE 1:50

- KEY:
- EXISTING BLOCKWALL
 - EXISTING RC SLAB TO BE REMOVED
 - EXISTING TRENCHES TO BE REMOVED

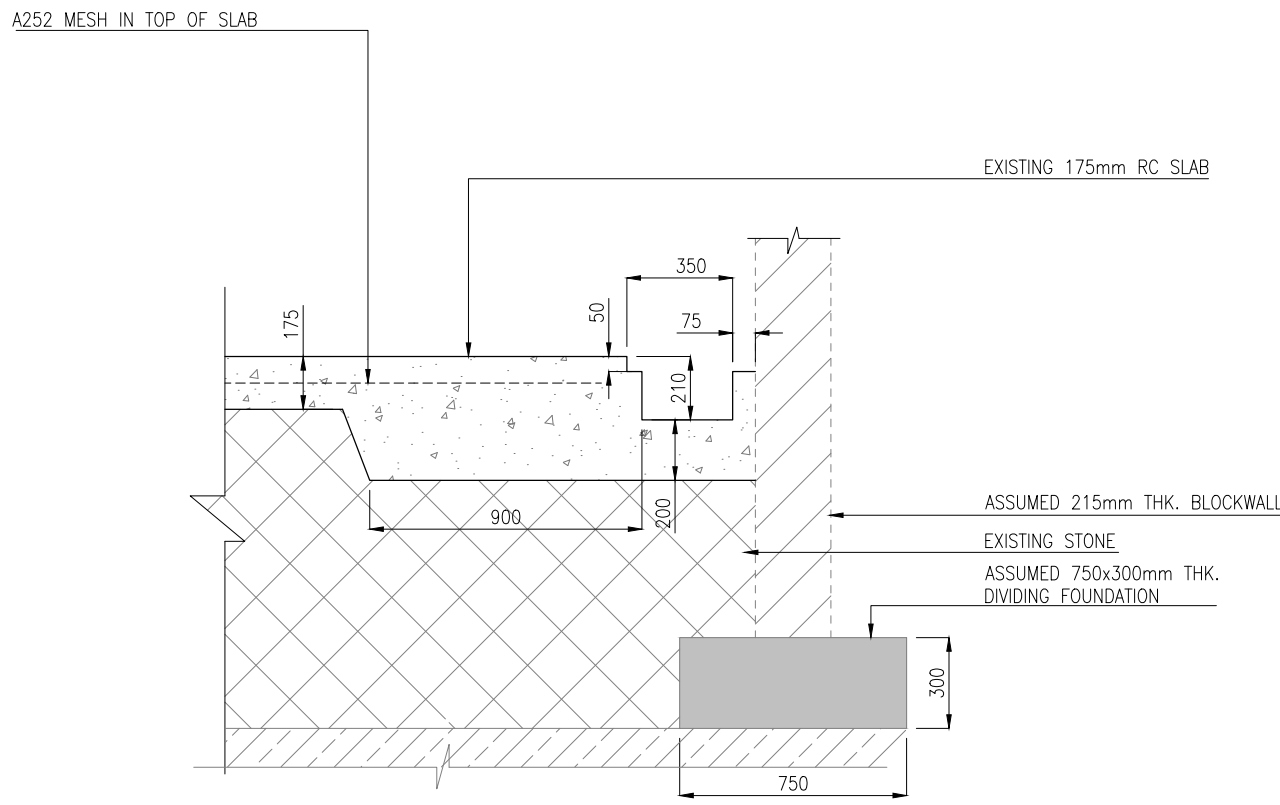
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PROPOSED DEMOLITION WORKS
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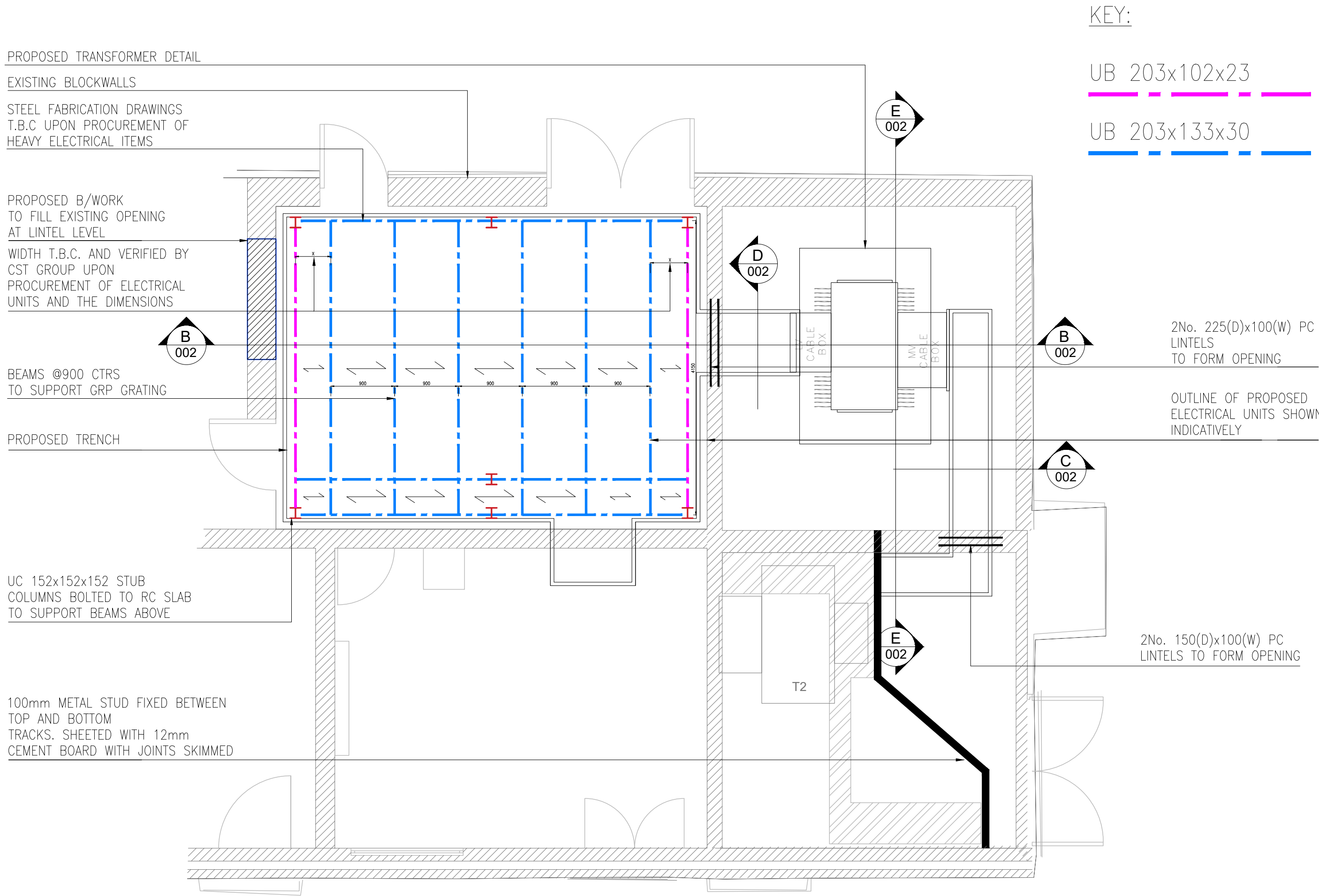


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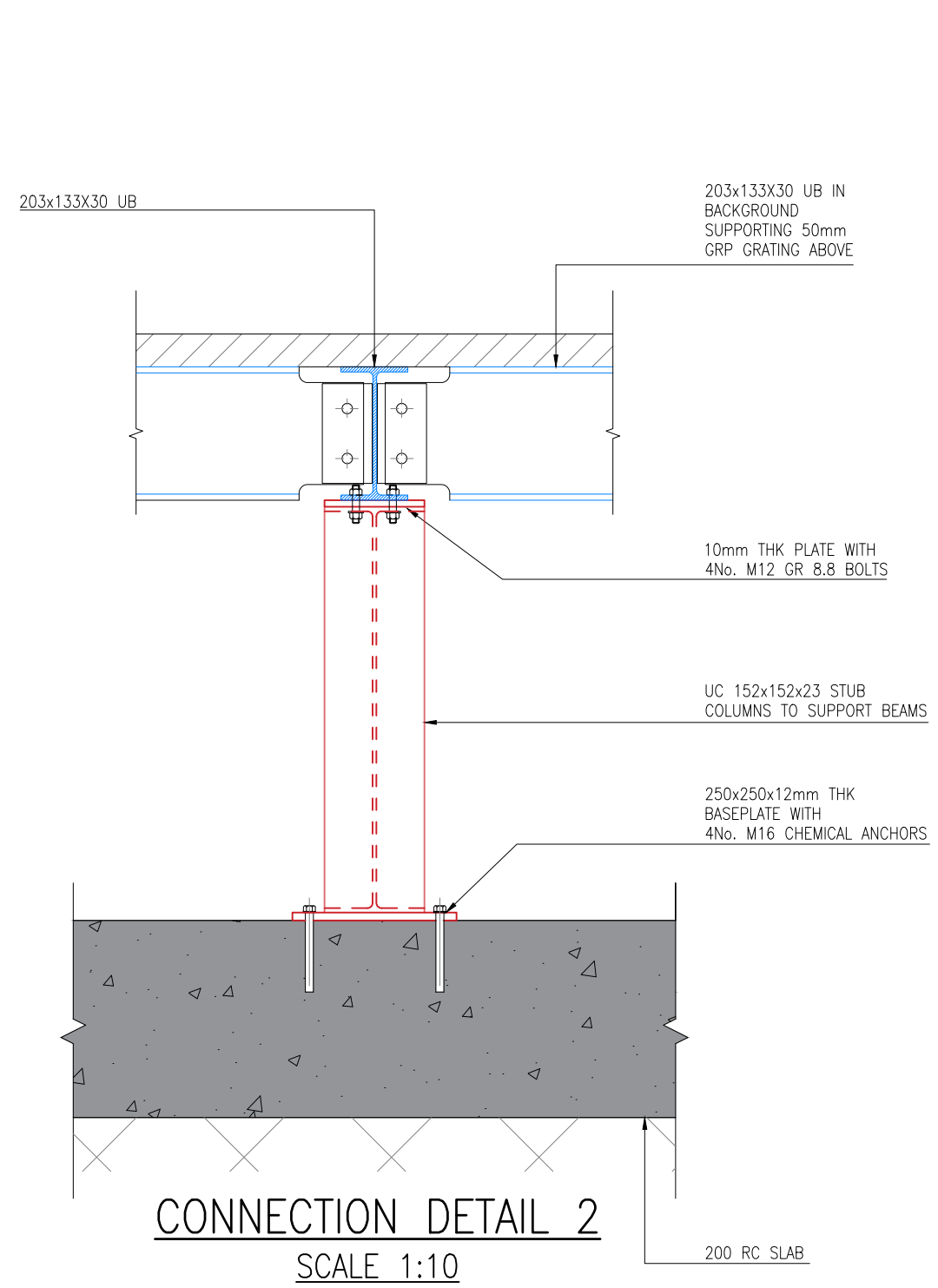
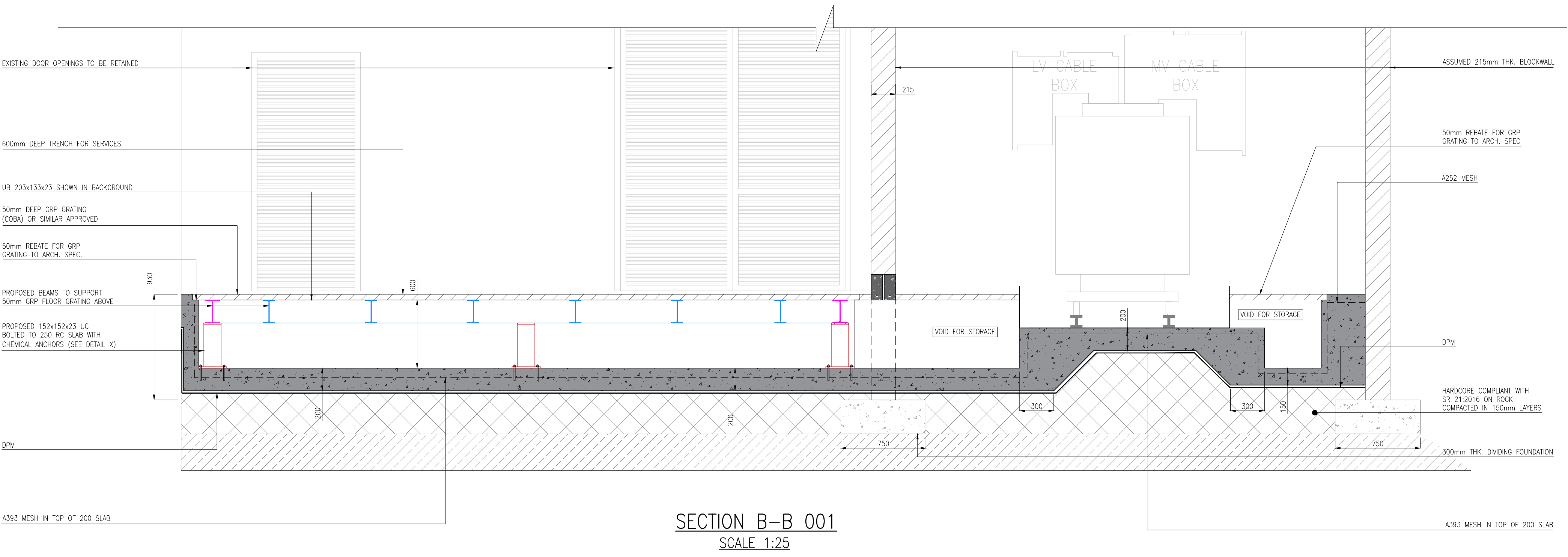
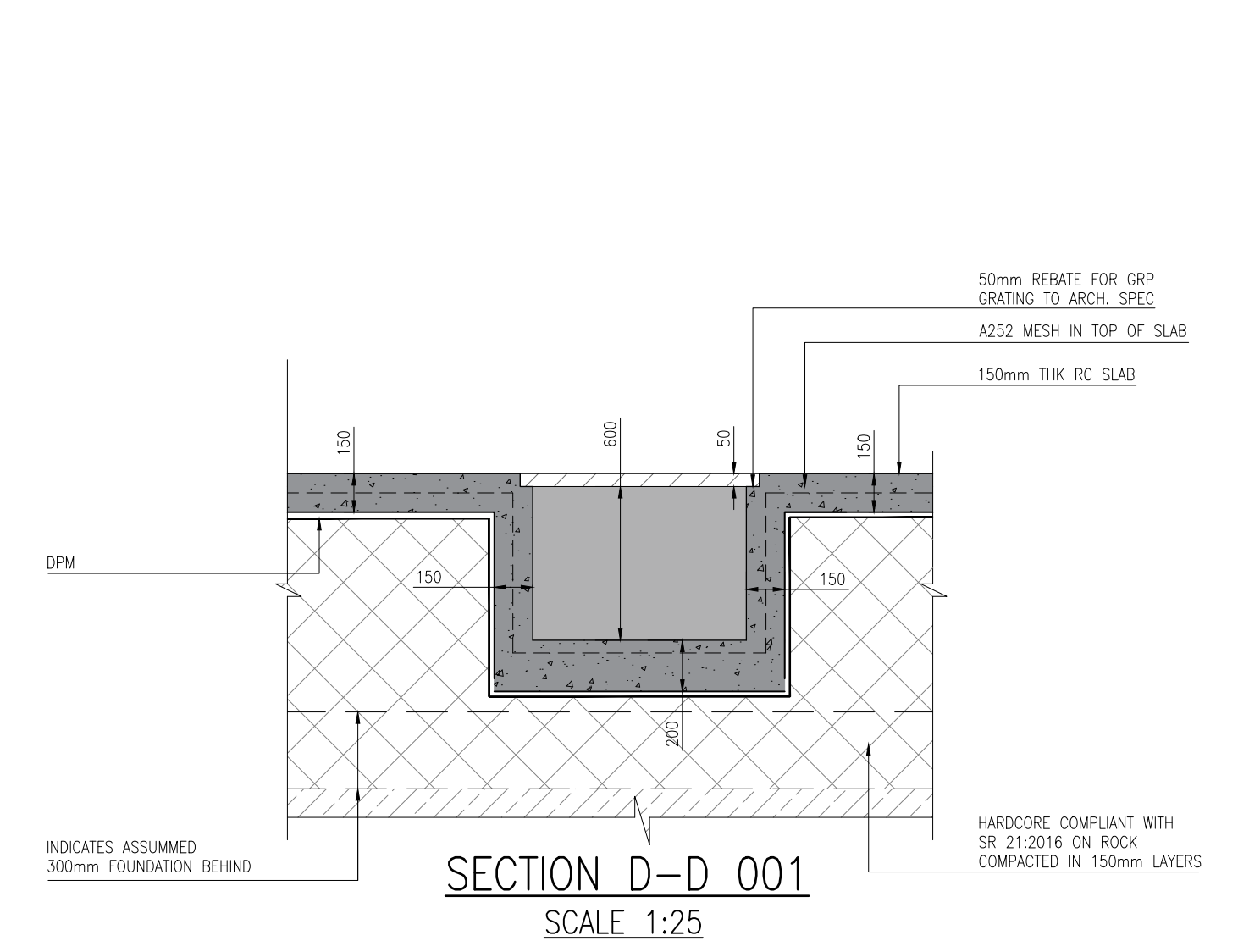
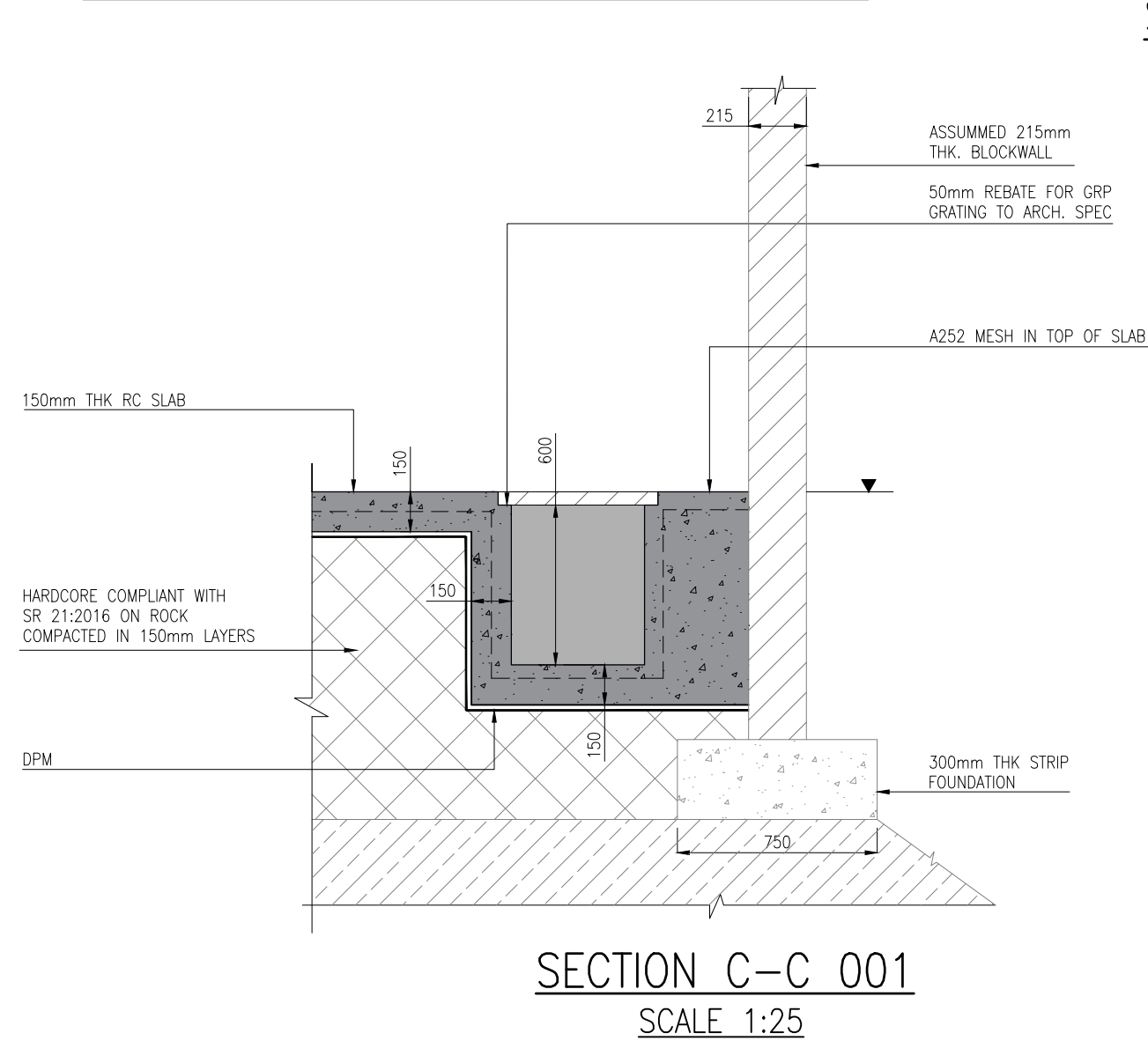
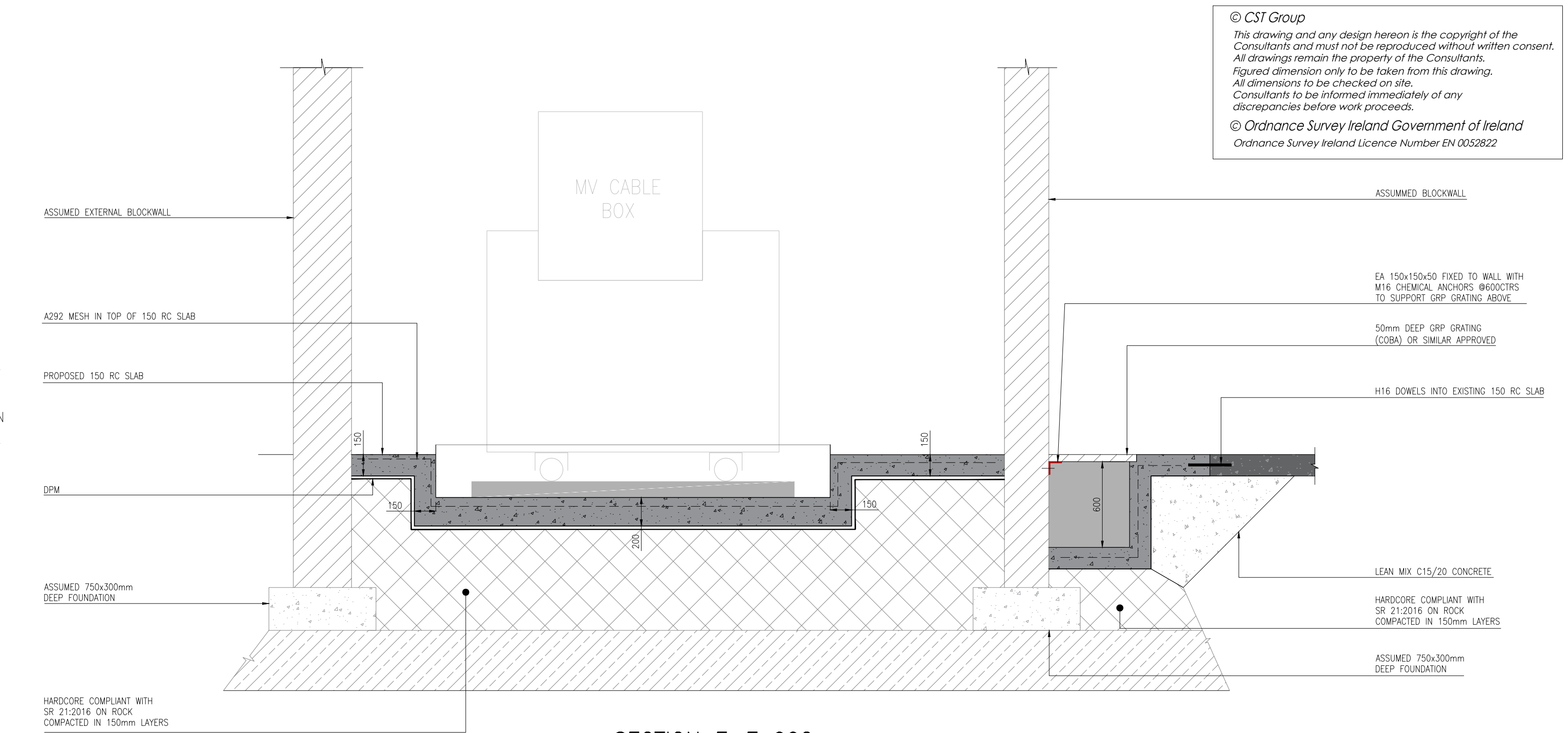
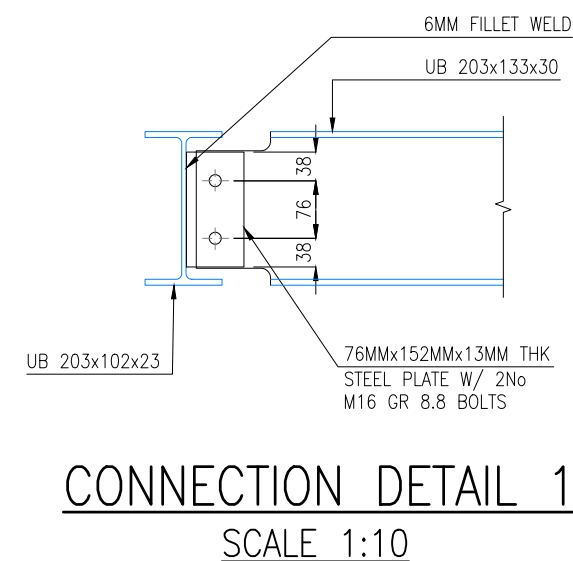


SECTION A 001
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JOB TITLE:	TRANSFORMER UPGRADE, SLIGO UNIVERSITY HOSPITAL (SUH).			
DRAWING TITLE:	CONSTRUCTION WORKS			
CLIENT:	HSE			
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 CST Group Chartered Consulting Engineers				
1, O'CONNELL ST. SLIGO F91 W7TV IRELAND +353 71 919 4500 info@cstgroup.ie www.cstgroup.ie				



PROPOSED GROUND FLOOR GA PLAN
SCALE 1:50



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STAGE: TENDER

TECH. CHECK: GO'H
ENG. CHECK: CO'C
APPROVED: CO'C

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SLIGO UNIVERSITY HOSPITAL (SUH).

DRAWING TITLE: PROPOSED GROUND FLOOR GA PLAN

CLIENT: HSE

DRAWING No: 125-444-002
REV: T1

CST Group
Chartered Consulting Engineers

1, O'CONNELL ST.
SLIGO
F91 W7YV
IRELAND
+353 71 919 4500
info@cstgroup.ie
www.cstgroup.ie

INB: THE CONTRACTOR IS ADVISED TO VISIT THE SITE AND ASCERTAIN FULL EXTENT OF ALL LOCAL CONDITIONS AND RESTRICTIONS LIKELY TO AFFECT THE EXECUTION OF THE WORKS. NO CLAIMS ARISING FROM FAILURE TO DO SO WILL BE CONSIDERED.

MATERIALS AND DEBRIS ARISING FROM SITE CLEARANCE AND DEMOLITION/EXCAVATION WORK SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS SPECIFIED OTHERWISE. DEBRIS AND MATERIAL NOT INTENDED FOR REUSE SHALL BE REMOVED FROM SITE. MATERIALS REMOVED FROM SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL AUTHORITIES REQUIREMENTS.

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL DAMAGE TO STRUCTURES WHICH ARE TO BE RETAINED, AND SHALL BEAR THE COSTS OF ANY ADDITIONAL WORK IN MAKING GOOD.

THE CONTRACTOR TO SATISFY HIMSELF WITH LEVELS AS STATED VARIATIONS WILL BE ENTERTAINED, IF CONTRACTOR DOES NOT SATISFY HIMSELF WITH SITE CONDITIONS AS ILLUSTRATED.

ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH ALL RELEVANT CODES AND STANDARDS, THE CLIENTS SAFETY REQUIREMENTS AN ALL CURRENT LOCAL AUTHORITY AND STATUTORY REQUIREMENTS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING; BS 6187:2000 "CODE OF PRACTICE FOR DEMOLITION", BSS228-1:1997 "NOISE AND VIBRATION CONTROL ON CONSTRUCTION AND OPEN SITES, CODE OF PRACTICE FOR BASIC INFORMATION AND PROCEDURES FOR NOISE AND VIBRATION CONTROL". THE SAFETY, HEALTH AND WELFARE AT WORK ACT AND REGULATIONS, AMENDMENTS AND CODES OF PRACTICE MADE THERE UNDER. THE ENVIRONMENTAL PROTECTION AGENCY ACT AND REGULATIONS MADE THERE UNDER. THE AIR POLLUTION ACT 1987.

THE CONTRACTOR SHALL SURVEY THE CONDITION OF THE EXISTING BUILDING, BOUNDARY WALLS, SLABS AND PAVEMENTS AND MAKE WRITTEN AND PHOTOGRAPHIC RECORDS OF ALL EXISTING DEFECTS BEFORE THE COMMENCEMENT OF WORKS. THESE RECORDS SHALL BE AGREED WITH THE OWNERS AS A TRUE RECORD OF THE CONDITION OF THE BUILDINGS PRIOR TO THE COMMENCEMENT OF WORKS.

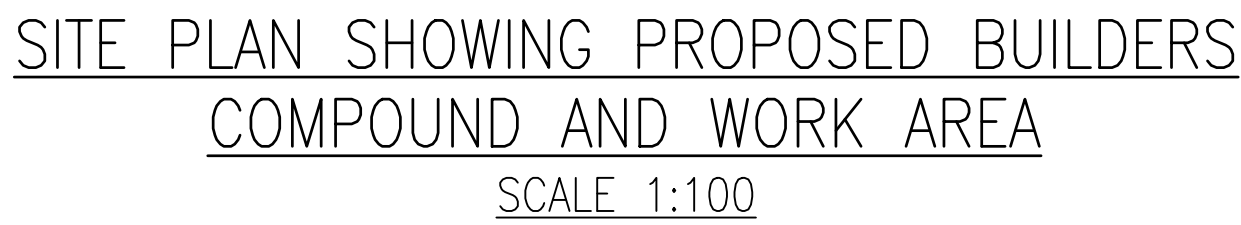
THE CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING SERVICES WITH THE WORK AREA. THE CONTRACTOR SHALL PROTECT DRAINS, MANHOLES, GULLIES, VENT PIPES AND FITTINGS STILL IN USE AND SHALL ENSURE THAT THEY ARE KEPT FREE FROM DEBRIS AT ALL TIMES. THE CONTRACTOR SHALL MAKE GOOD ANY DAMAGE ARISING FROM WORKS AND SHALL LEAVE THEM CLEAN AND IN WORKING ORDER AT COMPLETION.

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 **CST Group**
Chartered Consulting Engineers

1, O'CONNELL ST.
SLIGO
F91 W7YV
IRELAND
+353 71 919 4500
info@cstgroup.ie
www.cstgroup.ie