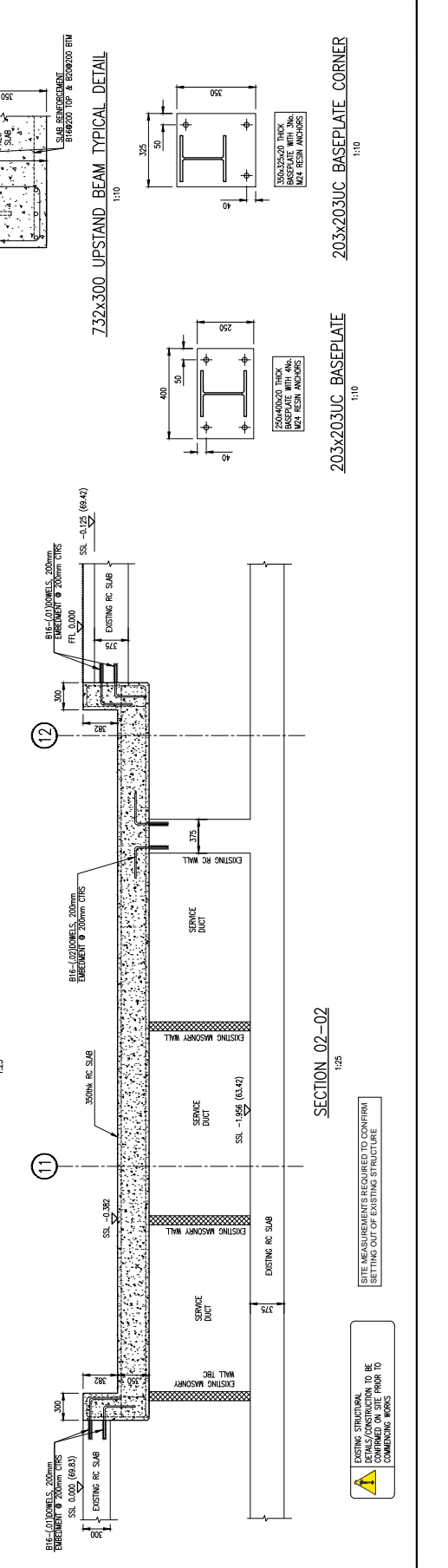
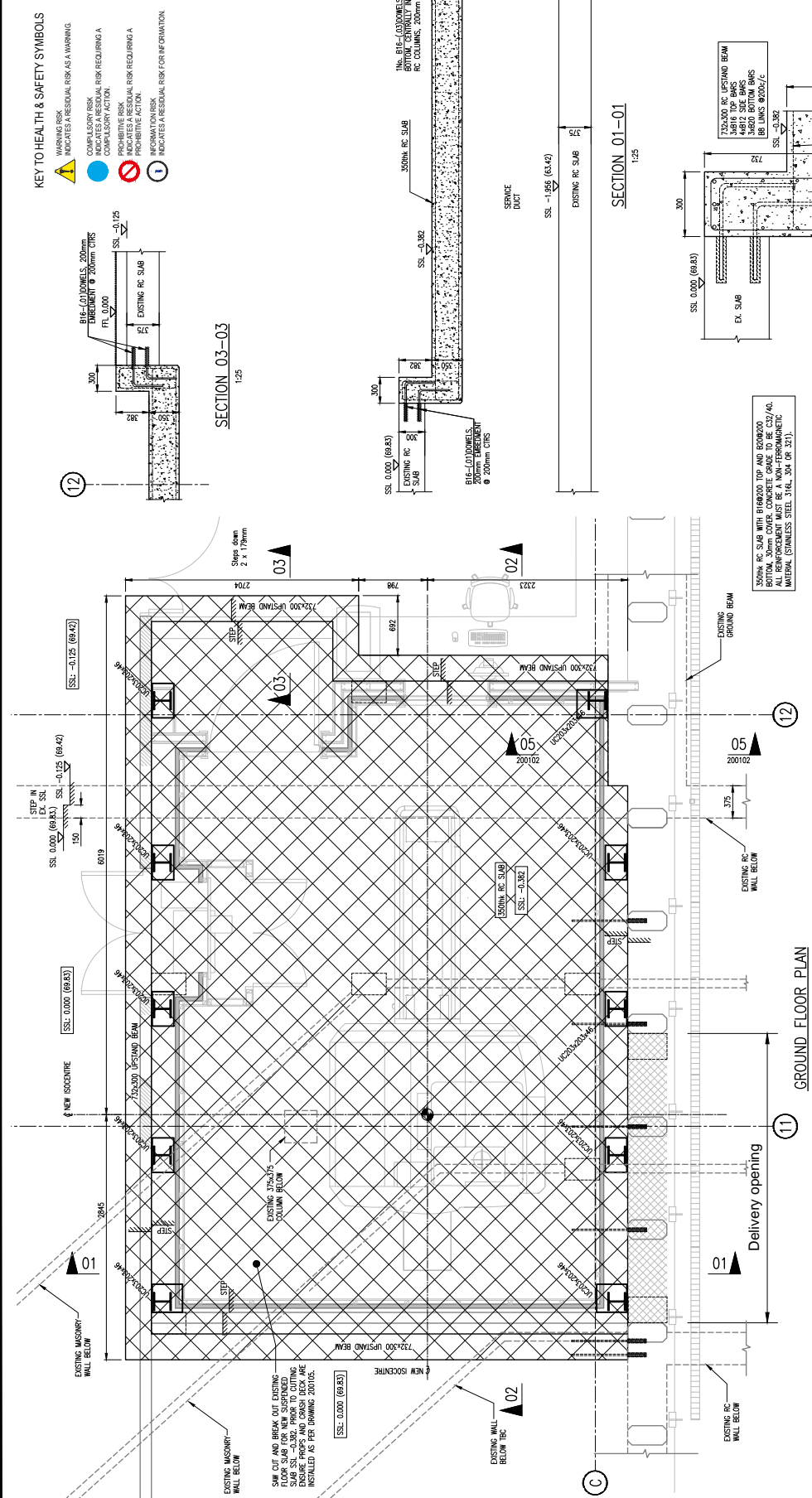
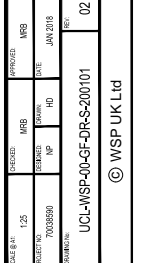
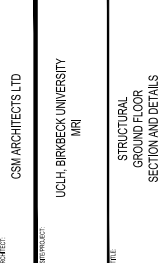
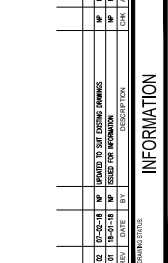
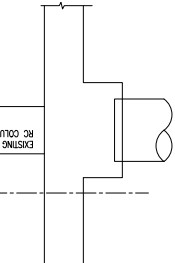
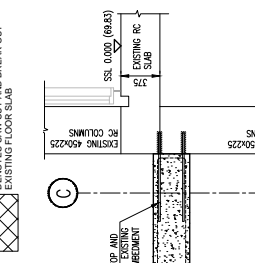


DO NOT SCALE

- GENERAL NOTES**
1. REINFORCEMENT TO BE REIN IN CONJUNCTION WITH CSM ANCHORS WITH 445mm MINIMUM LAP LENGTH.
  2. UNLESS NOTED OTHERWISE, UNIFORM COVER TO BE:
    - TOP = 30mm
    - BOTTOM & SIDES = 30mm
  3. CONCRETE W/C: 0.5/1.5/200 OR RC40
  4. FOR BAR BENDING SCHEDULE REFER TO UC-WSP-00-0F-SH-5-200101.
  5. REINFORCEMENT IS SCHEDULED IN ACCORDANCE WITH B.S. 8666:2005
  6. UNLESS OTHERWISE STATED ALL LAPS SHOULD BE AS FOLLOWS:
    - (MINIMUM)
    - H19 = 150mm
    - H18 = 200mm
    - H17 = 250mm
    - H16 = 300mm
    - H15 = 350mm
    - H14 = 400mm
    - H13 = 450mm
    - H12 = 500mm
    - H11 = 550mm
    - H10 = 600mm
    - H9 = 650mm
    - H8 = 700mm
    - H7 = 750mm
    - H6 = 800mm
    - H5 = 850mm
    - H4 = 900mm
    - H3 = 950mm
    - H2 = 1000mm
  7. WHERE STARTER BARS AND CONTINUITY BARS PROJECT FROM THE CONCRETE, THERE IS A RISK OF INJURY. THE REINFORCEMENT HAS BEEN DETAIL ASSUMING THAT THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO MINIMIZE THIS RISK.

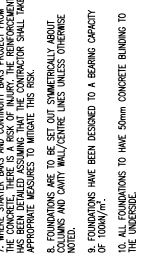
- KEY TO HEALTH & SAFETY SYMBOLS**
- WARNING RESIDUAL RISK AS A WARNING
  - COMPLIATORY RISK
  - PROHIBITIVE RISK
  - INFORMATION RISK



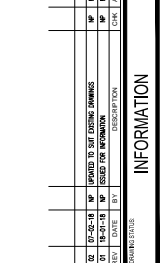
**DO NOT SCALE**

- GENERAL NOTES**
1. REINFORCEMENT TO BE READ IN CONJUNCTION WITH CSM ARCHITECTS DRAWING 4.445.4.1.
  2. UNLESS NOTED OTHERWISE, MINIMUM COVER TO BE:
    - TOP = 30mm
    - BOTTOM & SIDES = 30mm
  3. CONCRETE MIX: C32/40 (0.55/150) OR RC40
  4. FOR BAR BENDING SCHEDULE REFER TO UC-WSP-00-GF-SH-S-200101.
  5. REINFORCEMENT IS SCHEDULED IN ACCORDANCE WITH B.S. 8666:2005
  6. UNLESS OTHERWISE STATED ALL LAPS SHOULD BE AS FOLLOWS (MINIMUM)
    - H15 = 150mm
    - H16 = 200mm
    - H18 = 250mm
    - H20 = 300mm
    - H25 = 1000mm
  7. WHERE STARTER BARS AND CONTINUITY BARS PROJECT FROM THE CONCRETE, THERE IS A RISK OF INJURY. THE REINFORCEMENT HAS BEEN DETAILLED AS SUCH TO MINIMIZE THIS RISK. CONTRACTOR SHALL TAKE APPROPRIATE SAFETY MEASURES TO AVOID THIS RISK.
  8. FOUNDATIONS ARE TO BE SET OUT ACCURATELY AGAINST COLUIMS AND CAVITY WALLS. SERVICE LINES UNLESS OTHERWISE NOTED.
  9. FOUNDATIONS HAVE BEEN DESIGNED TO A BEARING CAPACITY OF 100kN/m<sup>2</sup>.
  10. ALL FOUNDATIONS TO HAVE 50mm CONCRETE BUNDING TO THE UNDERSIDE.

**RC STUB COLUMN**  
 (450x300 INSITU WALL SIMILAR)



- KEY TO HEALTH & SAFETY SYMBOLS**
- WARNING RISK: INDICATES A RESIDUAL RISK AS A WARNING.
  - COMPULSORY RISK: INDICATES A RESIDUAL RISK REQUIRING A COMPULSORY ACTION.
  - PROHIBITIVE RISK: INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION.
  - INFORMATION RISK: INDICATES A RESIDUAL RISK FOR INFORMATION.

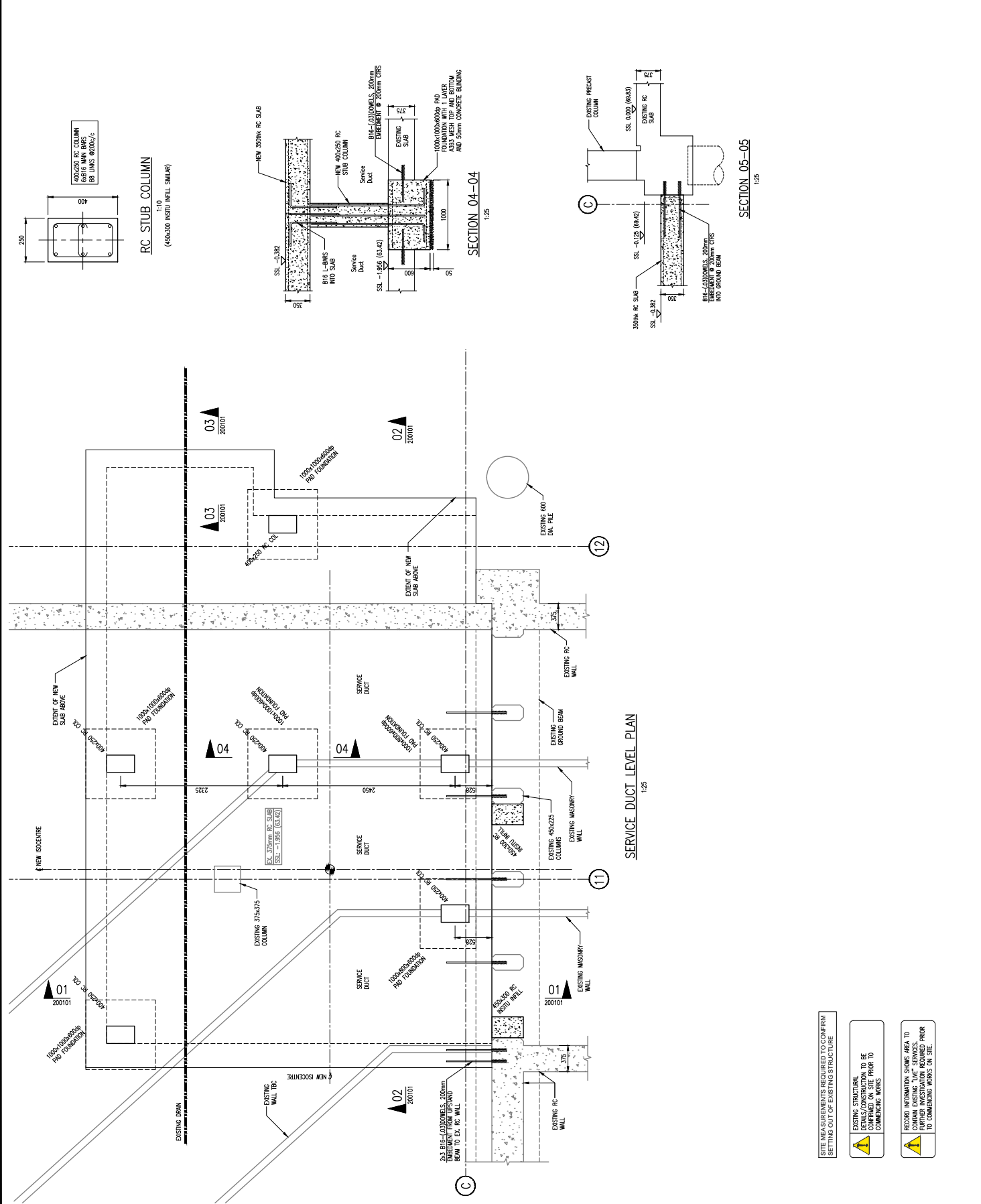


NO.	DATE	BY	DESCRIPTION	CHK.	APP.
1	12/02/21	WSP	ISSUED FOR PERMITS	WSP	WSP
2	12/02/21	WSP	ISSUED FOR PERMITS	WSP	WSP
3	12/02/21	WSP	ISSUED FOR PERMITS	WSP	WSP

**INFORMATION**

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 www.wsp.com

CLIENT: DD PORTER | SIEMENS  
 ARCHITECT: CSM ARCHITECTS LTD  
 REFERENCE: UCLH, BIRKBECK UNIVERSITY MRI  
 TITLE: STRUCTURAL FOUNDATION SECTION AND DETAILS  
 DRAWN BY: 1:25  
 PROJECT NO: 1003890  
 DATE: JAN 2018  
 DRAWING NO: UC-WSP-00-GF-S-200102  
 REV: 02  
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- NOTE: USE SUBMITTALS REQUIRED TO CONFIRM SETTING OUT OF EXISTING STRUCTURE.
- EXISTING STRUCTURAL ELEMENTS TO BE CONFIRMED ON SITE PRIOR TO COMMENCING WORKS.
- RECORD INFORMATION, DRAWINGS, AND TO CONTAIN EXISTING TIME SERVICES. FURTHER INVESTIGATION REQUIRED PRIOR TO COMMENCING WORKS ON SITE.

**DO NOT SCALE**

**GENERAL NOTES**

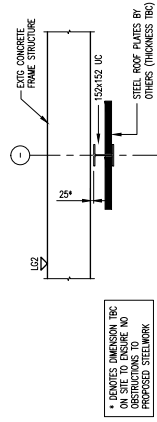
1. DIMENSIONS TO BE READ IN CONJUNCTION WITH CSM ARCHITECTS DRAWING 4453\_1653
2. ALL STRUCTURAL STEELWORK TO COMPLY WITH BS EN 1090
3. ALL STRUCTURAL STEELWORK TO BE GRADE S235 (UNALD) EN 10210-2:1997 AND BS EN 10219-2:1997
4. ALL STRUCTURAL STEELWORK TO BE BLAST CLEAN TO BS EN ISO 8501-1:2007, GRADE SA 2.5, FOLLOWED BY A HIGH BUILD ZINC PHOSPHATE PRIMER, 75 MICRON DRY FILM THICKNESS.
5. ALL BOLTS TO BE GRADE 8.8 ZINC PLATED
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TEMPORARY BRACING DURING ERECTION, AND ALL SHOP DETAILS TO BE SUBMITTED.
7. THE CONTRACTOR SHALL ALLOW FOR ANY AMENDMENTS OF FABRICATION DETAILS ARISING FROM ENGINEERS COMMENTS
8. DIMENSION LINES ARE NOT TO BE SCALED FROM THIS DRAWING
9. THE CONTRACTOR SHALL CO-ORDINATE WITH THE HEALTH AND SAFETY REGULATIONS SET OUT BY THE CDM REGULATIONS, THE HEALTH AND SAFETY EXECUTIVE.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXECUTION OF THE WORKS IN ACCORDANCE WITH THE DRAWINGS AND THE DIMENSIONS AND SETTING OUT ON SITE.
11. UNLESS STATED, CONNECTIONS SHOULD BE DESIGNED FOR 100kN (10.5) SHEAR LOADING.
12. FOR BUILDERS WORK FOR INCOMING SERVICES REFER TO ARCHITECT'S DRAWING FOR SETTING OUT.

**KEY TO HEALTH & SAFETY SYMBOLS**

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

**MRI CEILING SUPPORT BEAM DETAIL**

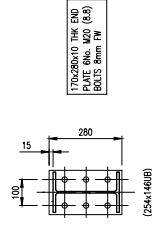
1:20



4. DEVOTES DIMENSION TO BE ON SITE TO ENSURE NO OBSTRUCTIONS TO PROPOSED STEELWORK

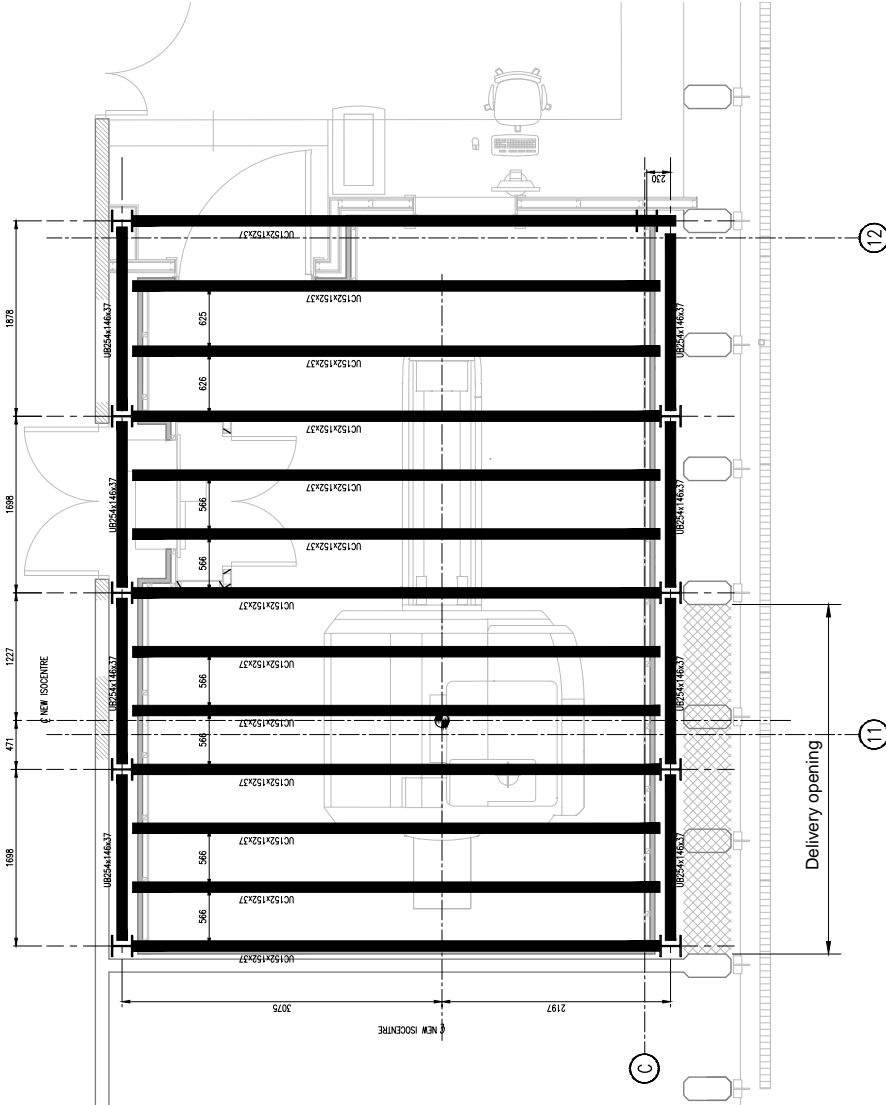
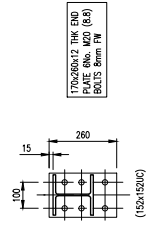
**BEAM CONNECTION DETAIL 2**

1:10



**BEAM CONNECTION DETAIL 1**

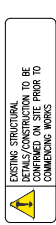
1:10



**MRI CEILING PLAN**

1:25

SITE MEASUREMENTS REQUIRED TO CONFIRM EXISTING STRUCTURAL DETAILS/CONSTRUCTION TO BE COMPARED ON SITE PRIOR TO COMMENCING WORKS



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CLIENT:	DD PORTER   SIEMENS
ARCHITECT:	CSM ARCHITECTS LTD
REFERENCE:	UCLH, BIRBECK UNIVERSITY MRI
TITLE:	STRUCTURAL MRI FRAME STEELWORK SECTION AND DETAILS
SCALE: 1:25	DATE: 15/01/2018
PROJECT NO:	10000000
ISSUE NO:	02
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DO NOT SCALE

**GENERAL NOTES**

- 1. THIS DRAWING TO BE READ IN CONJUNCTION WITH CSM ARCHITECTS DRAWING 445/1
- 2. FOR RESISTANCE GENERAL MANAGEMENT REFER TO UCL-WSP-00-GF-DR-S-200101

**KEY TO HEALTH & SAFETY SYMBOLS**

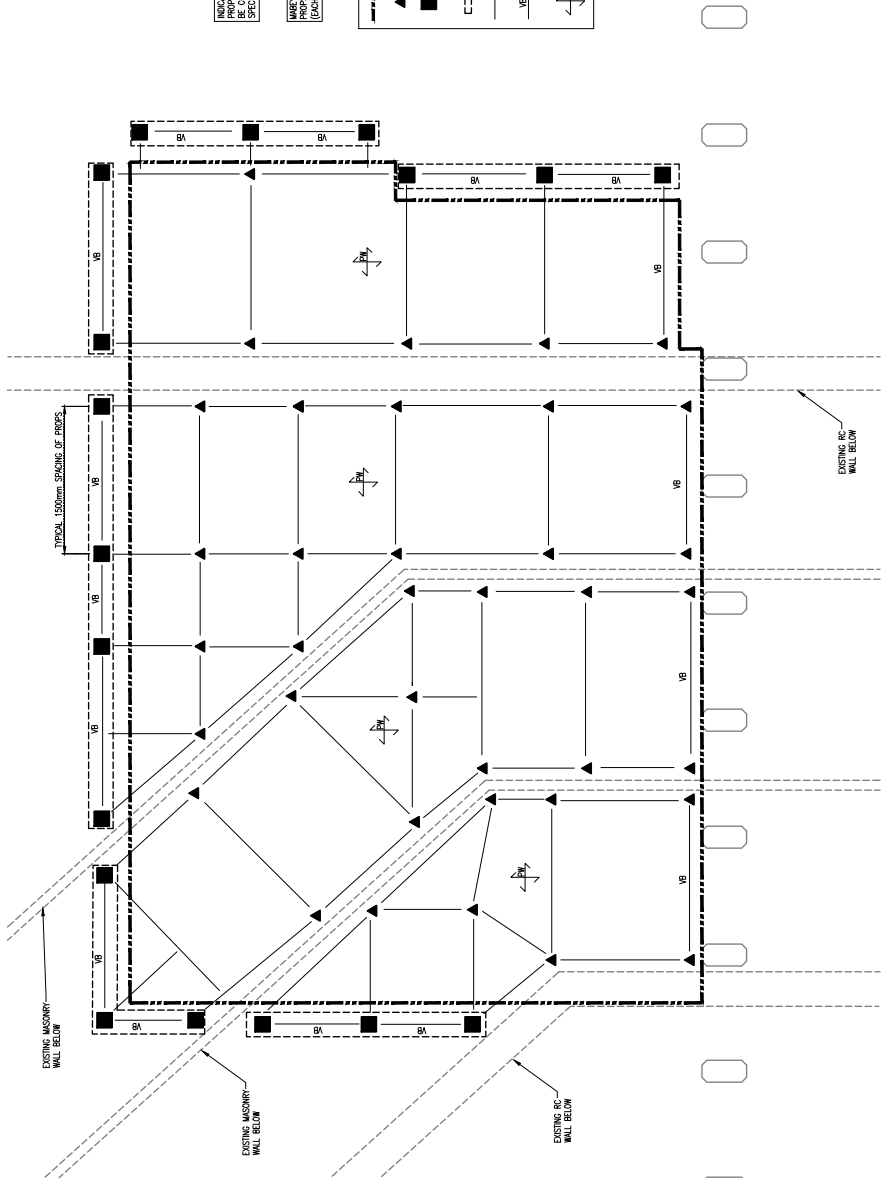
- WARNING RISK  
INDICATES A RESIDUAL RISK AS A WARNING
- COMPULSORY ACTION  
INDICATES A RESIDUAL RISK REQUIRING A COMPULSORY ACTION
- PROHIBITIVE ACTION  
INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION
- INFORMATION RISK  
INDICATES A RESIDUAL RISK FOR INFORMATION

INDICATIVE LINE OF PROP BRACING TO BE INSTALLED BY SPECIALIST

MAIN PROPS SUPPORTING CRASH BECK TO BE REMOVED ONCE SLAB HAS BEEN CUT

- OUTLINE OF EXISTING SLAB TO BE CUT
- ▲ MAIN PROPS SUPPORTING CRASH BECK TO BE REMOVED ONCE SLAB HAS BEEN CUT
- MAIN PROPS SUPPORTING SLAB ALONG CUT LINE TO REMAIN ONCE FULL WORKS HAVE BEEN COMPLETED
- 50mm ROAD PAPER TO UNDERSIDE OF SLAB TO PROVIDE CONTINUOUS SUPPORT BELOW SLAB SOFFIT
- HORIZONTAL SOLIDER PROPS SET AT 50mm BELOW SLAB SOFFIT
- VB HORIZONTAL SOLIDER PROPS SET AT 50mm BELOW SLAB SOFFIT IN A DIAGONAL SCAFFOLD TUBE BRANKING
- 225mm (min) PLYWOOD CRASH BECK ON 50mm SOLIDER PROPS SET AT 50mm BELOW SLAB SOFFIT

1. INSTALL PROPS, PROP BRACING AND PLYWOOD CRASH BECK AS INDICATIVELY SHOWN TO SUPPORT EXISTING SLAB. CRASH BECK TO BE INSTALLED 25mm BELOW SOFFIT OF EXISTING SLAB.
2. CORE DRILL AND REMOVE EXISTING 350mm THICK SLAB
3. ONCE ALL CONCRETE HAS BEEN REMOVED THE INNER PROPS CAN BE REMOVED (DENOTED BY TRIANGLES). PROPS SUPPORTING EXISTING SLAB EDGE ARE TO REMAIN (DENOTED BY SQUARES).
4. DIG/CAST NEW RC STUB COLUMN FOUNDATIONS.
5. CAST RC STUB COLUMNS.
6. INSTALL REQUIRED DOWEL BARS FOR CONNECTION OF NEW SLAB BACK TO THE EXISTING SLAB. CAST NEW 350mmk SLAB.
7. PROPS SUPPORTING THE EXISTING SLAB EDGE ARE TO REMAIN AFTER THE NEW SLAB HAS BEEN CAST FOR A MINIMUM OF 14 DAYS TO ALLOW CONCRETE TO GAIN STRENGTH.



**GROUND FLOOR PROPPING PLAN**  
1:25

SITE MEASUREMENTS REQUIRED TO CONFIRM SETTING OUT OF EXISTING STRUCTURE

EXISTING STRUCTURAL DETAILS/CONSTRUCTION TO BE CONFIRMED ON SITE PRIOR TO COMMENCING WORKS

NO.	DATE	BY	DESCRIPTION	CHK.	APP.
1	12/04/2024	WSP	ISSUED FOR INFORMATION	WSP	
2	12/04/2024	WSP	ISSUED FOR INFORMATION	WSP	

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CLIENT	DD PORTER   SIEMENS
ARCHITECT	CSM ARCHITECTS LTD
REFERENCE	UCLH BIRBECK UNIVERSITY MRI
TITLE	STRUCTURAL GROUND FLOOR / FOUNDATION PROPPING REQUIREMENTS
SCALE	1:25
PROJECT NO.	1003690
DATE	JAN 2024
ISSUED FOR	REV
DESCRIPTION	UCL-WSP-00-GF-DR-S-200105
REV	02

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