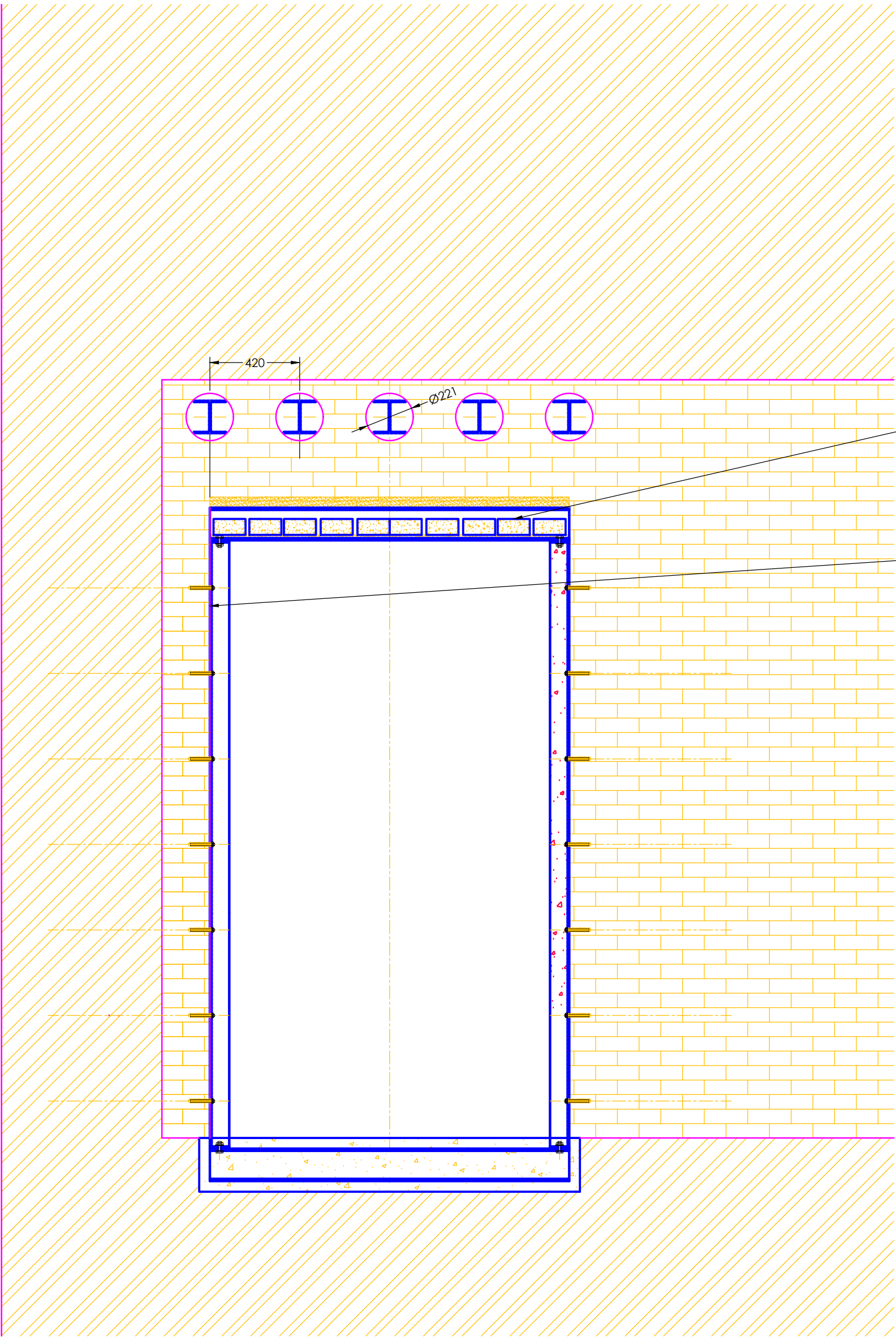
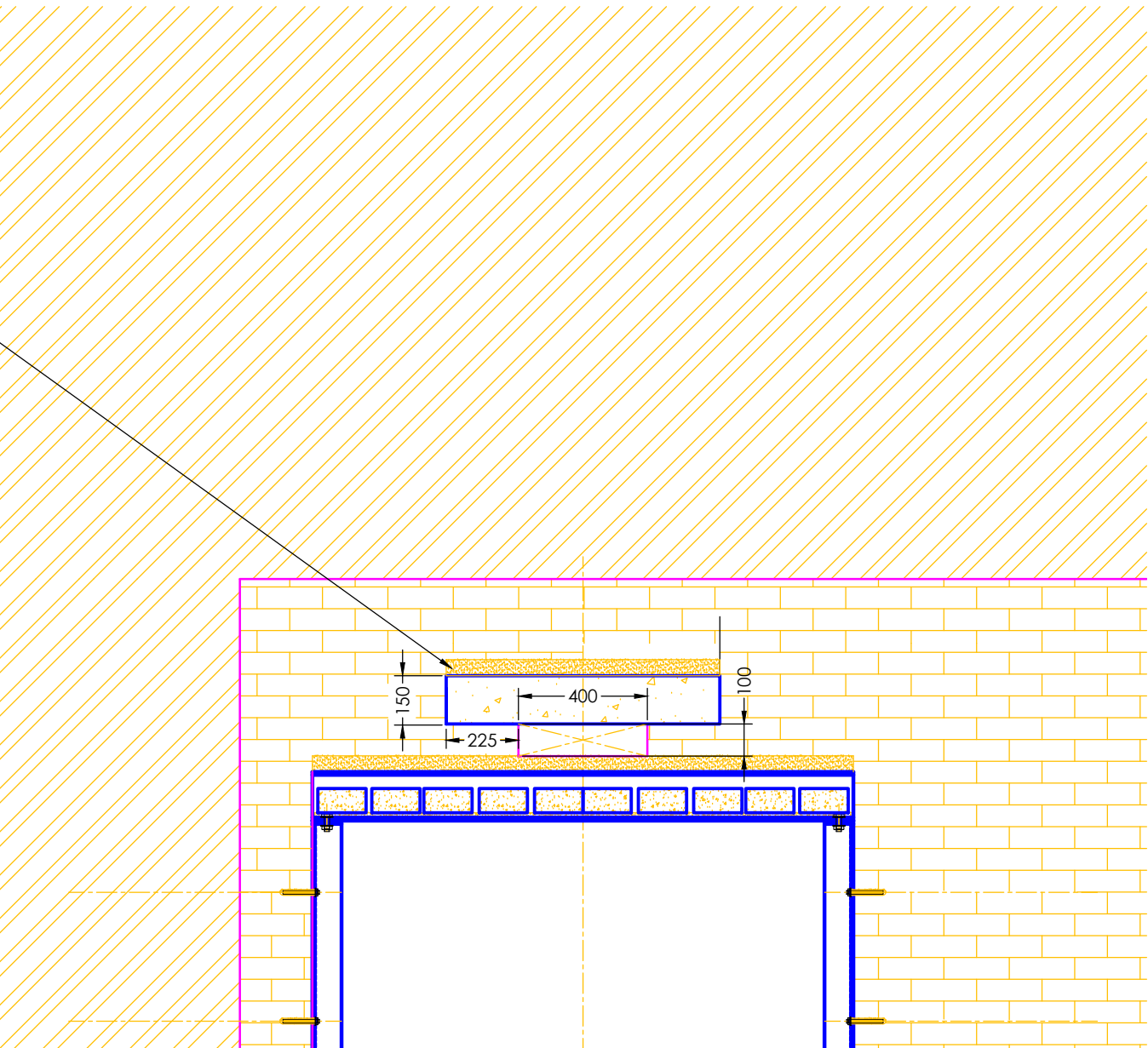


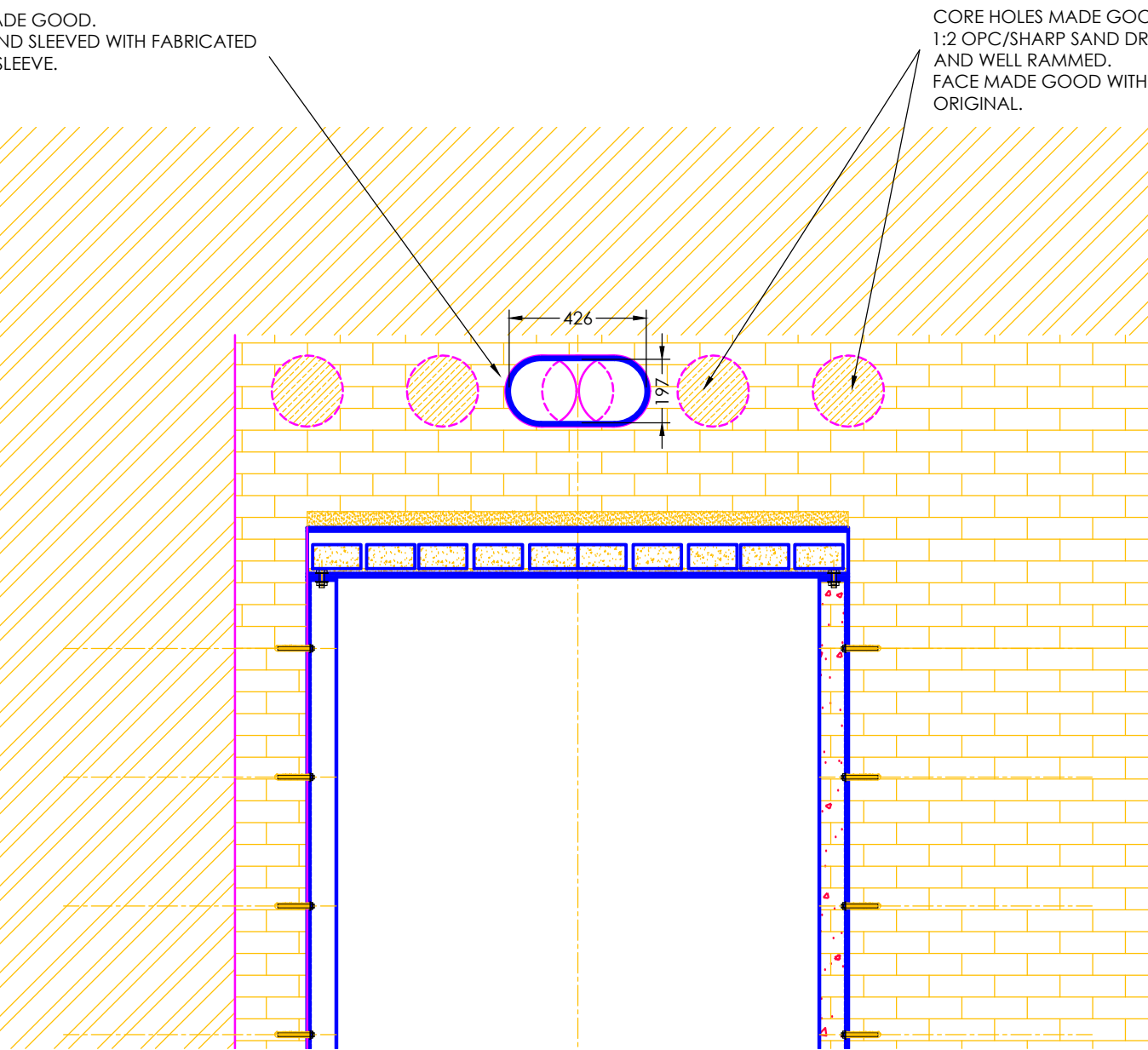
BOX FRAME SECTION  
1:20



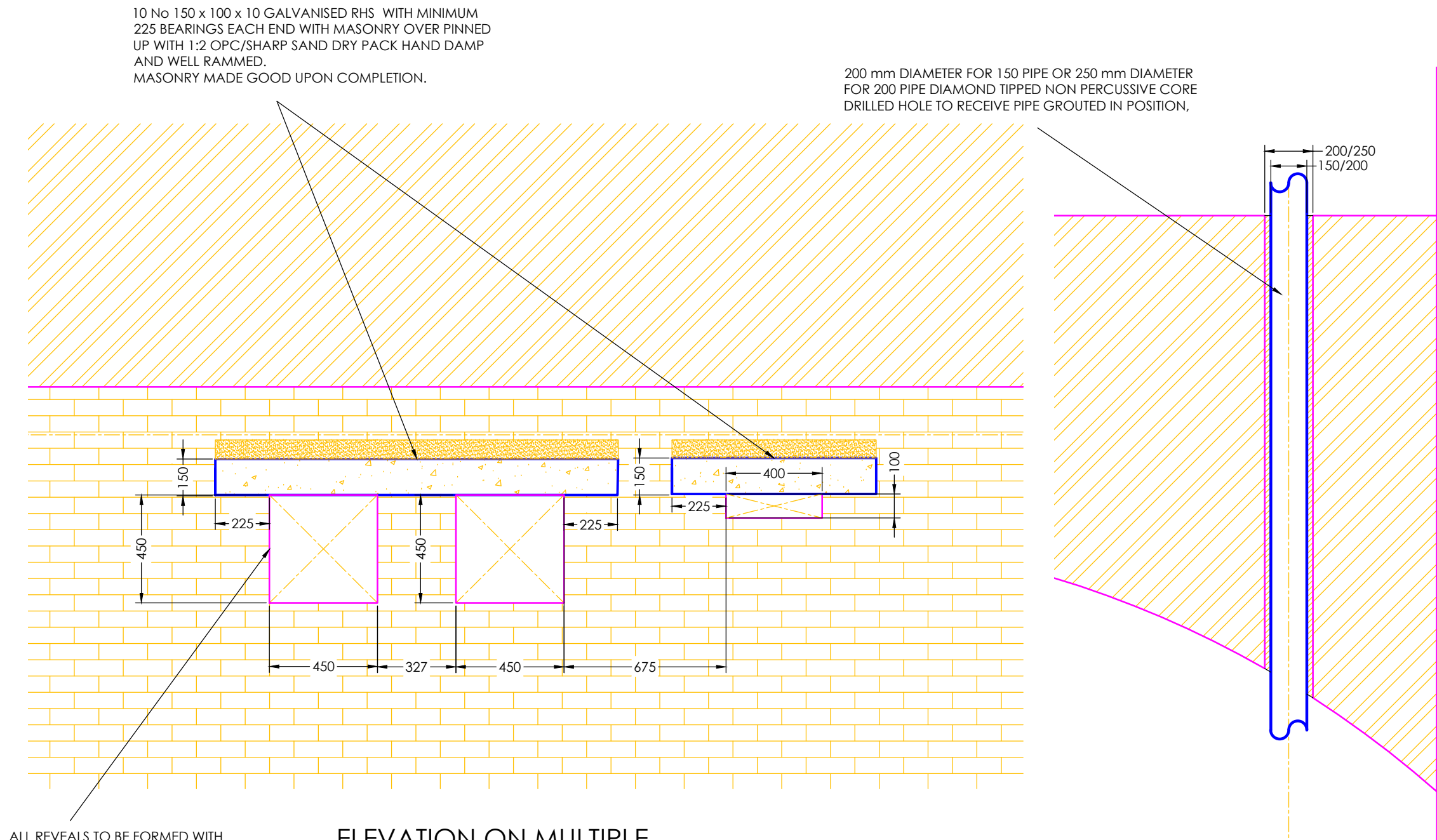
BOX FRAME ELEVATION  
1:20



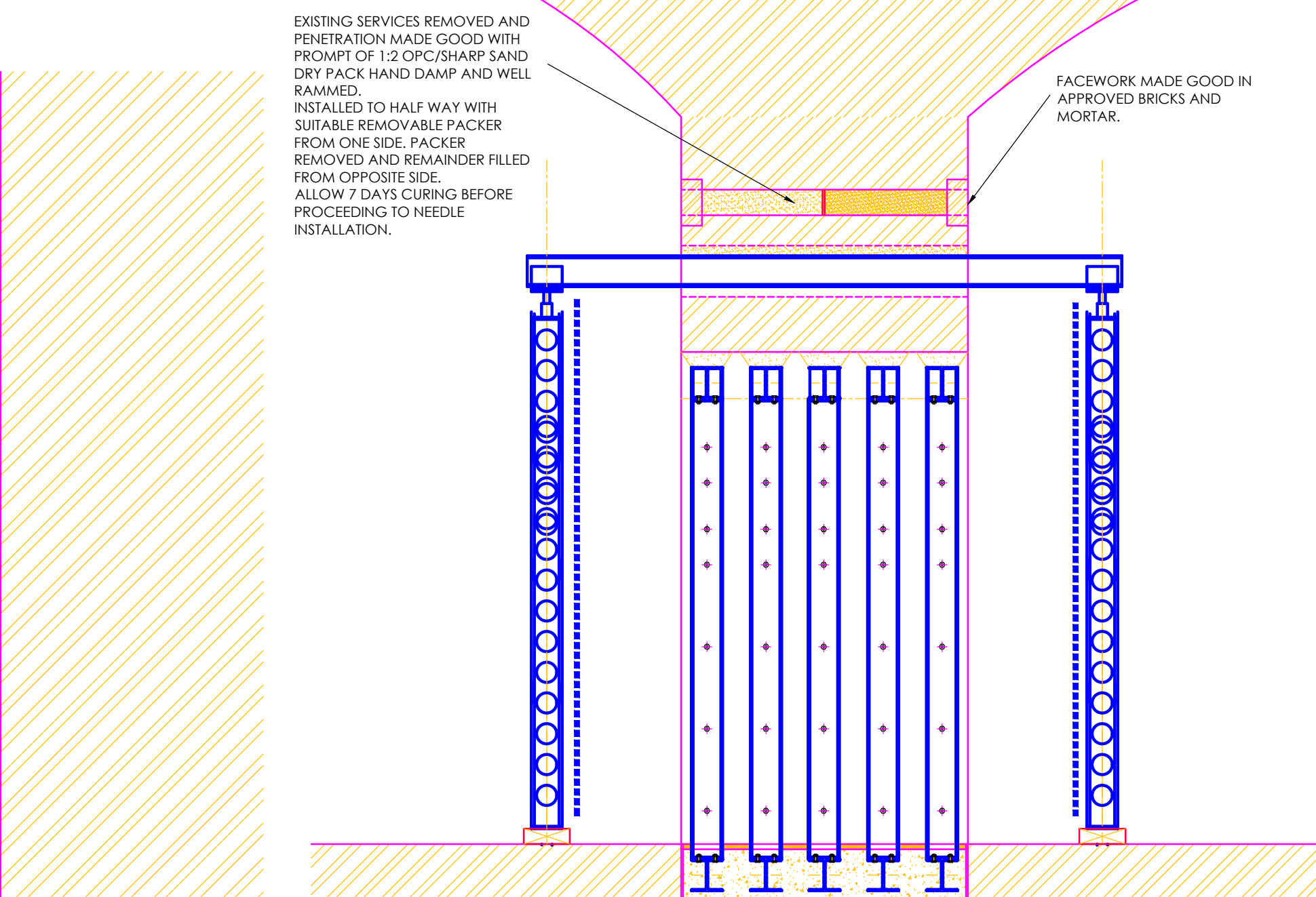
PART BOX FRAME ELEVATION WITH SERVICE PENETRATION  
1:20



PART BOX FRAME ELEVATION WITH ALTERNATIVE SERVICE PENETRATION  
1:20



ELEVATION ON MULTIPLE SERVICE PENETRATIONS  
1:20



TYPICAL SECTION  
1:25  
REPAIRS TO EXISTING SERVICE PENETRATIONS

ALL REVEALS TO BE FORMED WITH FULLY BONDED FULL BRICKS

10 No 150 x 100 x 10 GALVANISED RHS WITH MINIMUM 225 BEARINGS EACH END WITH MASONRY OVER PINNED UP WITH 1:2 OPC/SHARP SAND DRY PACK HAND DAMP AND WELL RAMMED. MASONRY MADE GOOD UPON COMPLETION.

PRECAST CONCRETE LINTEL CUTTINGS BEDDED ON BOTTOM FLANGE OF UC WITH MASONRY OVER PINNED UP WITH 1:2 OPC/SHARP SAND DRY PACK HAND DAMP AND WELL RAMMED. MASONRY MADE GOOD UPON COMPLETION.

MASONRY CAREFULLY CUT BACK AND BOX FRAMES FROM 152 x 152 x 30 kg UC TOP AND BOTTOM WITH 150 x 90 PFC POSTS BOLTED TO MASONRY WITH 16 mm DIAMETER BOLTS AT 450 mm c/c. INSERTED.

OUTER CORES FILLED AND MADE GOOD. INNER CORES CONNECTED AND SLEEVED WITH FABRICATED 12 mm MILD STEEL GROUTED SLEEVE.

CORE HOLES MADE GOOD WITH WELL RAMMED 1:2 OPC/SHARP SAND DRY PACK HAND DAMP AND WELL RAMMED. FACE MADE GOOD WITH BRICKWORK TO MATCH ORIGINAL

NOTE:  
SUBJECT TO OPENING UP AND SETTING OUT IT MAY BE POSSIBLE TO RE-USE EXISTING SERVICES PENETRATIONS.

- NOTES
1. NO DIMENSIONS TO BE SCALED FROM THIS DRAWING.
  2. THIS DRAWING TO BE READ WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND SPECIALISTS DRAWINGS.
  3. ALL STRUCTURAL STEELWORK TO BE GRADE S275 TO EN 10025 UNLESS OTHERWISE STATED.
  4. ALL BOLTS TO BE 8.8 GRADE BLACK BOLTS IN 2 mm CLEARANCE HOLES UNLESS OTHERWISE STATED.
  5. ALL BRICKWORK TO BE MINIMUM 21 N/mm<sup>2</sup> IN NHL 3.5 MORTAR UNLESS OTHERWISE STATED.
  6. ALL STEELWORK TO BE GALVANISED AND PAINTED IN ACCORDANCE WITH THE SPECIFICATION.
  7. ALL SETTING OUT AND SITE DIMENSIONS TO BE THE RESPONSIBILITY OF THE CONTRACTOR.
  8. DESIGN AND INSTALLATION OF TEMPORARY WORKS TO BE THE RESPONSIBILITY OF THE CONTRACTOR.
  9. ALL NEW STRUCTURAL TIMBER TO BE C24 SAWN TREATED SOFTWOOD UNLESS OTHERWISE STATED.
  10. ALL STAINLESS STEEL TO BE GRADE 316 AUSTENITIC UNLESS OTHERWISE STATED.
  11. ALL CLIENTS STAFF, CONSULTANTS, AND CONTRACTORS MUST COMPLY WITH ALL CURRENT HEALTH AND SAFETY LEGISLATION INCLUDING:
    - a. CONSTRUCTION (DESIGN & MANAGEMENT) REGULATIONS 2015
    - b. HEALTH & SAFETY AT WORK ACT 1974
    - c. AND ALL OTHER RELEVANT LEGISLATION
  12. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT HEALTH AND SAFETY FILE AND METHOD STATEMENTS.
  13. ALL WORK ELEMENTS TO BE CARRIED OUT USING APPROPRIATE TOOLS, METHODS, MATERIALS AND TECHNIQUES.
  14. ALL WORK ELEMENTS TO BE CARRIED OUT USING APPROPRIATE TOOLS, METHODS, MATERIALS AND TECHNIQUES.
  15. HOLES IN EXISTING MASONRY TO BE DRILLED WITH NON-PERCUSSIVE DIAMOND TIPPED DRILLS USING THE MINIMUM WATER POSSIBLE FOR LUBRICATION.
  16. STRUCTURAL FIXINGS TO EXISTING MASONRY TO BE WITH FISCHER FIS V EPOXY MORTAR UNLESS OTHERWISE STATED.
  17. ALL WORK TO SENSITIVE HISTORIC FABRIC TO BE CARRIED OUT BY SUITABLY EXPERIENCED AND SKILLED PERSONNEL.
  18. NO OPENING UP BEYOND THAT INDICATED ON THE DRAWINGS TO BE CARRIED OUT WITH OUT PRIOR PERMISSION.
  19. THE DRAWINGS AND DETAILS ARE PREPARED USING THE INFORMATION AVAILABLE AND MAY BE AT VARIANCE WITH HIDDEN HISTORIC FABRIC. REPORT ANY VARIATIONS OR DIFFERENCES FOUND DURING THE WORK TO THE ARCHITECT AND ENGINEER.
  20. CONCRETE TO BE RC35 UNLESS OTHERWISE STATED.
  21. REINFORCEMENT TO BE HIGH YIELD TYPE B BARS UNLESS OTHERWISE STATED.
  22. ALL NEW MASONRY TO BE FULLY BRICK BONDED TO EXISTING UNLESS OTHERWISE STATED.
  23. ALL WELDS TO BE 6 mm CONTINUOUS FILLET WELDS UNLESS OTHERWISE STATED.
  24. ALL SCAFFOLD TO COMPLY WITH NASC IG20:21 WITH NO SEASONAL OR STATISTICAL REDUCTIONS TO WIND LOAD.
  25. ALL CONNECTIONS TO BE DESIGNED AND DETAILED BY THE CONTRACTOR UNLESS STATED OTHERWISE.

STAGE 4 B ISSUE

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rev description date

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project PERKIN REVELLER TOWER OF LONDON PRELIMINARY Historic Royal Palaces

drawing title STRUCTURAL SCHEME DETAILS RIBA STAGE 4 B © COPYRIGHT

Drawn CJD Checked CJD

Date April 2022 Scale As stated at A1

Job No 21996 Drg No 1 03 Rev D