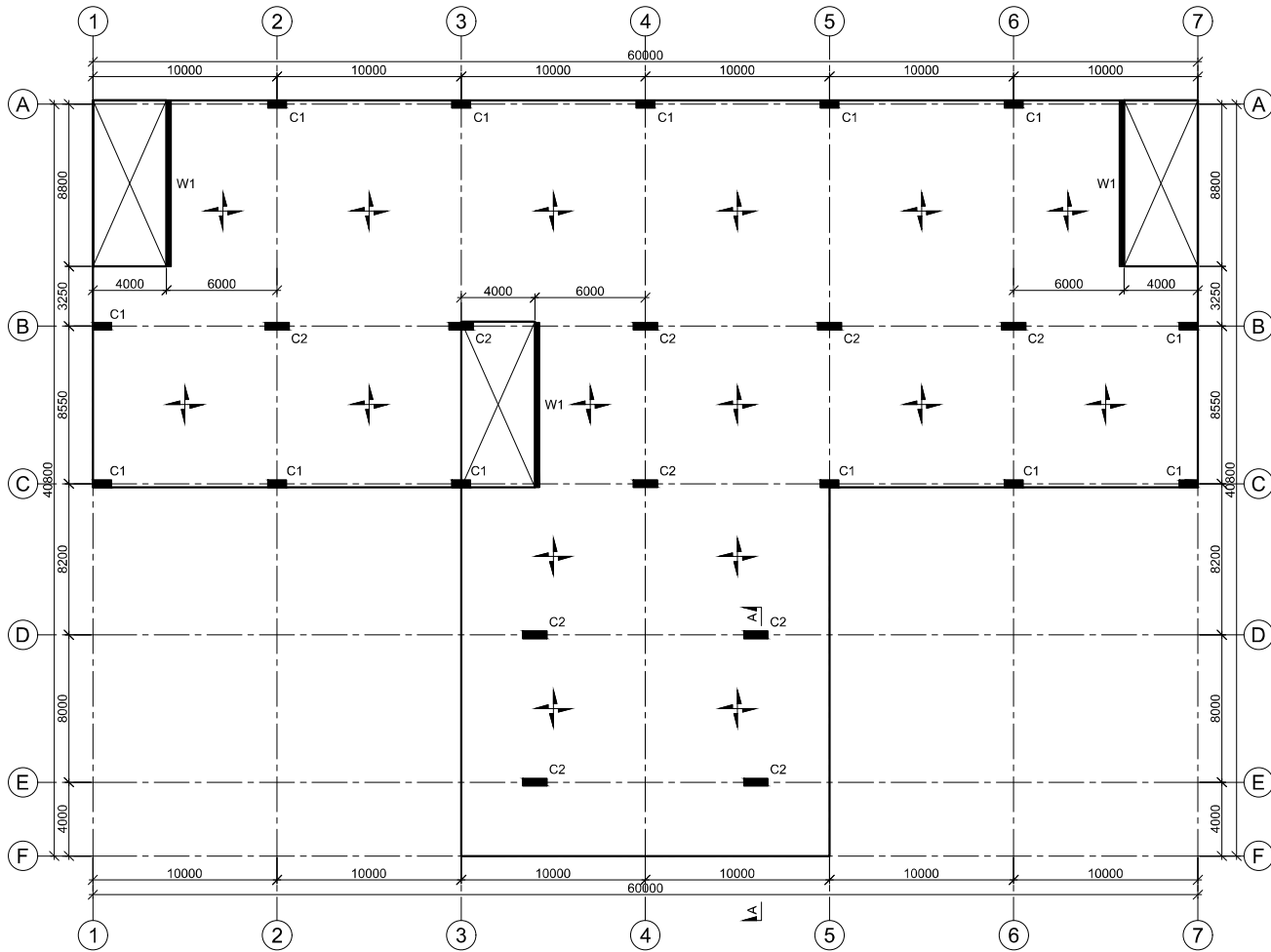
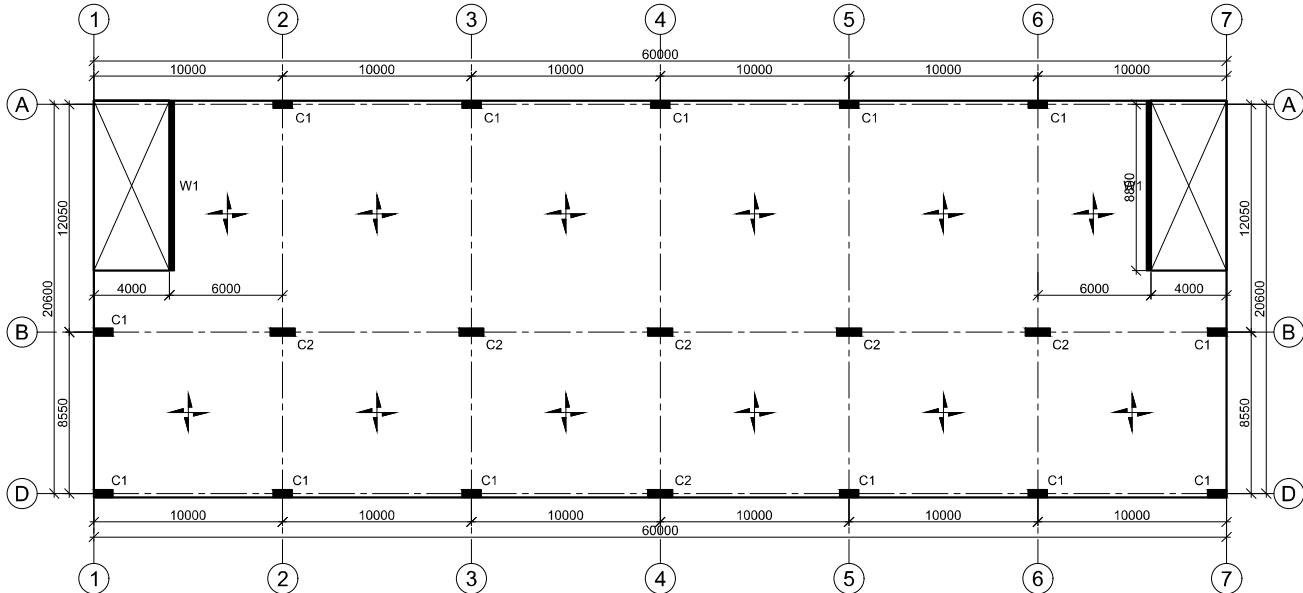


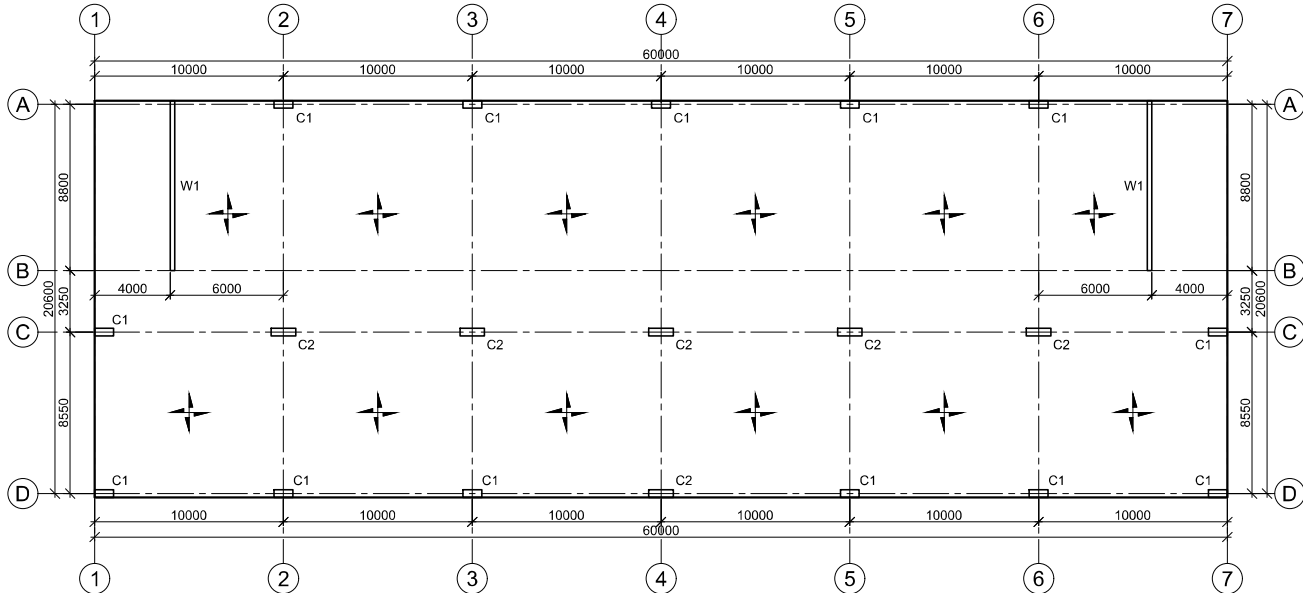
GROUND FLOOR LAYOUT PLAN  
SCALE 1:200



FIRST FLOOR & SECOND FLOOR LAYOUT PLAN  
SCALE 1:200



TYPICAL FLOOR LAYOUT PLAN  
SCALE 1:200



ROOF LAYOUT PLAN  
SCALE 1:200

COLUMN SIZES	
NO.	SIZE
C1	1000 X 400
C2	1300 X 400

RC WALL SIZES	
NO.	SIZE
W1	250 X 9000

SLAB TYPES	
FLOOR	TYPE
GROUND	390 MM THICK SEMI-PRECAST BUBBLEDECK
FIRST	390 MM THICK SEMI-PRECAST BUBBLEDECK
SECOND	390 MM THICK SEMI-PRECAST BUBBLEDECK
THIRD	390 MM THICK SEMI-PRECAST BUBBLEDECK
FOURTH	390 MM THICK SEMI-PRECAST BUBBLEDECK
FIFTH	390 MM THICK SEMI-PRECAST BUBBLEDECK
ROOF	390 MM THICK SEMI-PRECAST BUBBLEDECK

NOTES

- All dimensions are in millimeters, unless otherwise stated.
- This drawing must not be scaled, only figured dimensions should be used.
- This drawing must be read in conjunction with relevant Architectural drawings.
- Concrete to be grades C35/45 for Foundations, Columns & Walls; Grade C30/37 for Slabs, Grade C15 /20 for Mass Concrete and C12/15 for Blinding to BS EN 206:2013+A1:2016; BS EN1992-1-1:2004 and Executed to BS EN 13670:2009.
- Cover to main reinforcement to be as follows:
  - Foundation = 75 mm
  - Columns = 45 mm
  - Slabs = 30mm
- "H" Denotes Reinforcement bars of ductility classes A, B and C to BS 4461 with a yield strength of 500N/mm<sup>2</sup> to BS 4449-2005 to be used.
- Reinforcement in walls and columns must be inspected by the Engineer before being enclosed in the framework.
- All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 200 mm courses with 12 mm mortar joints.
- PS = 0 expansion joint is located on Grid 5.

CLIENT

NAME:

SIGN:..... DATE:.....

PROJECT

ENGM041 CONCRETE BUILDING DESIGN

DRAWING TITLE

FLOOR LAYOUT PLANS

DRAWN BY:

ALLAN NDUBI MAUGO, 6857626

CHECKED BY:

NAME: .....

DATE: ..... SIGN: .....

GENERAL DRAWINGS

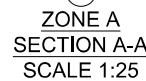
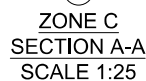
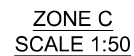
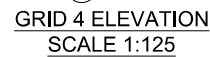
UNIVERSITY OF SURREY

ISSUE DATE

MAY, 2025

DRAWING NO:

001 - SHT 001



- ### NOTES
1. All dimensions are in millimeters, unless otherwise stated.
  2. This drawing must be scaled, only figured dimensions should be used.
  3. This drawing must be read in conjunction with relevant Architectural drawings.
  4. Concrete to be grades C35/45 for Foundations, Columns & Walls; Grade C30/37 for Slabs, Grade C15 /20 for Mass Concrete and C12/15 for Blinding to BS EN 206:2013+A1:2016; BS EN1992-1-1:2004 and Executed to BS EN 13670:2009.
  5. Cover to main reinforcement to be as follows:
    - Foundation = 75 mm
    - Columns = 45 mm
    - Slabs = 30mm
  6. "H" Denotes Reinforcement bars of ductility classes A, B and C to BS 4461 with a yield strength of  $500N/mm^2$  to BS 4449-2005 to be used.
  7. Reinforcement in walls and columns must be inspected by the Engineer before being enclosed in the framework.
  8. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 200 mm courses with 12 mm mortar joints.
  9. PS = 0 expansion joint is located on Grid 5.

CLIENT

NAME:

SIGN:..... DATE:.....

PROJECT

ENGM041 CONCRETE BUILDING DESIGN

DRAWING TITLE

## GENERAL DRAWINGS

DRAWN BY:

ALLAN NDUBI MAUGO, 6857626

CHECKED BY:

NAME: .....

DATE: ..... SIGN: .....

## GENERAL DRAWINGS

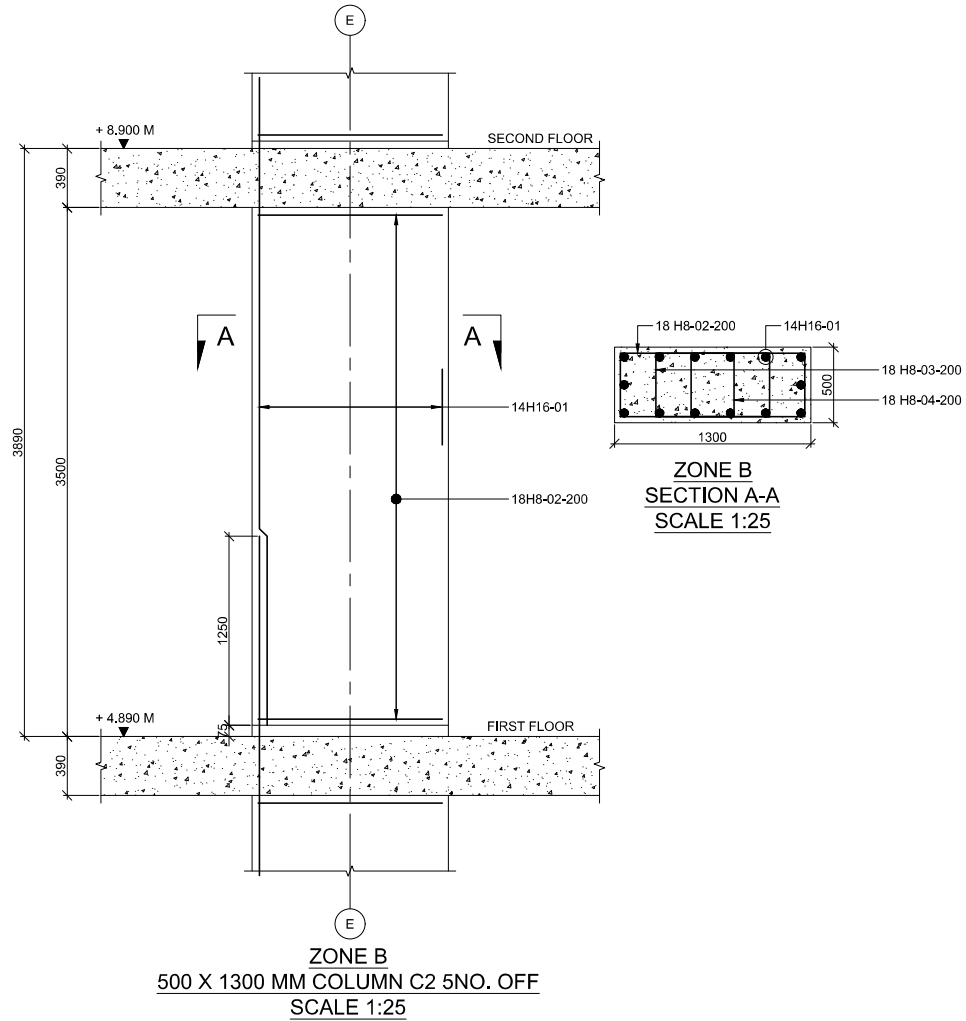
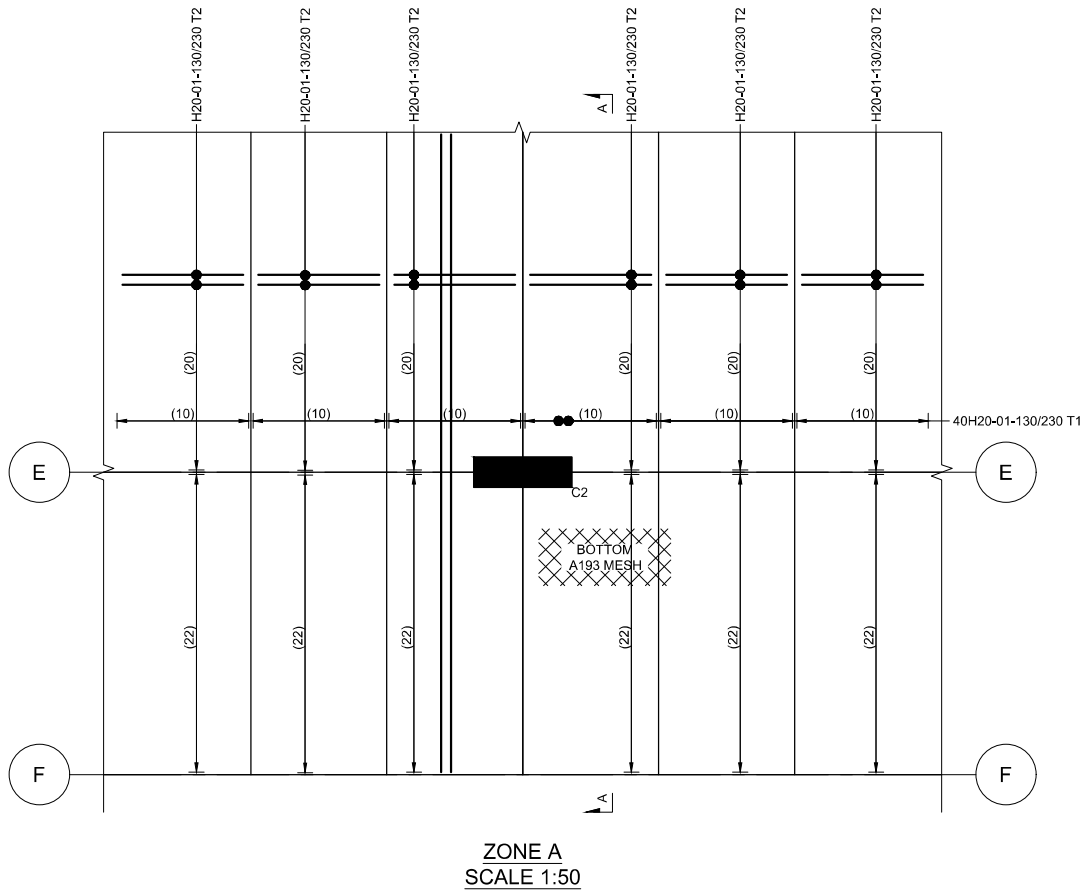
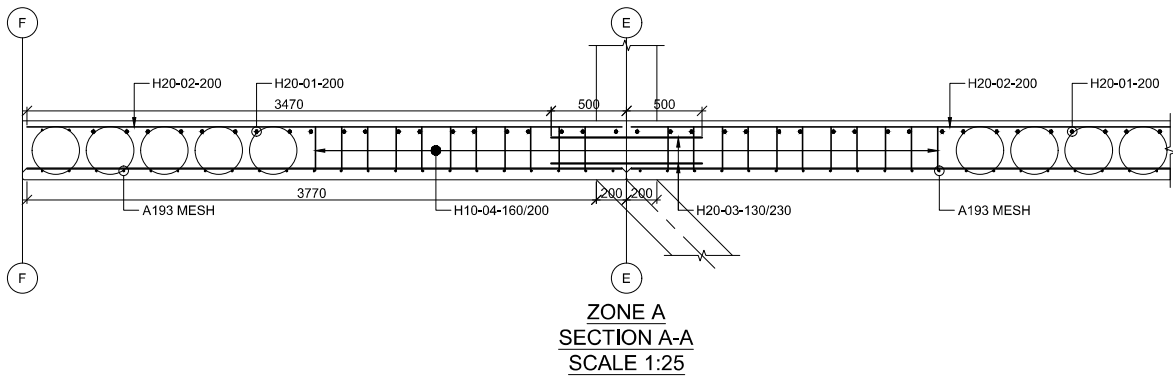
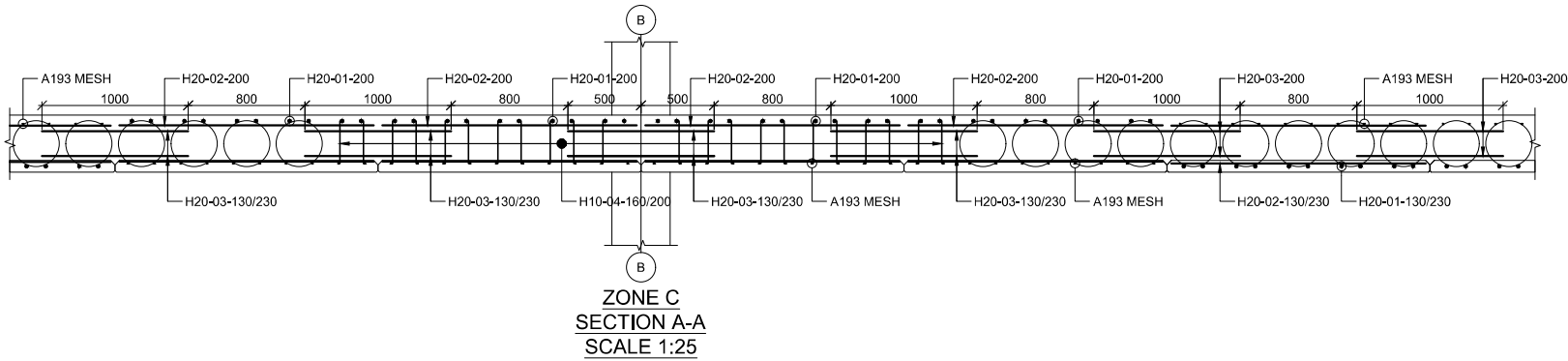
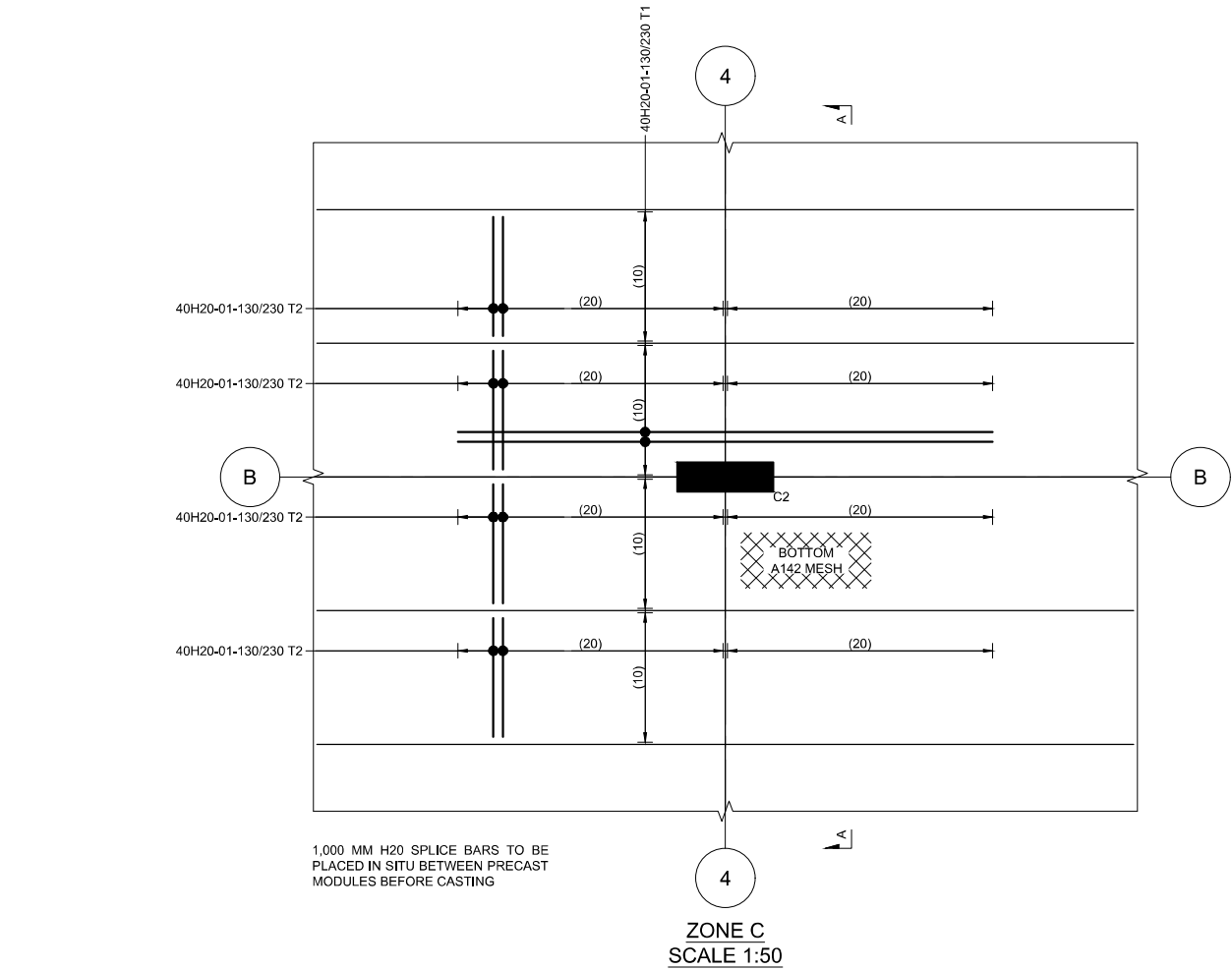
UNIVERSITY OF SURREY

ISSUE DATE

MAY, 2025

DRAWING NO:

001 - SHT 002



ZONE B  
500 X 1300 MM COLUMN C2 5NO. OFF  
SCALE 1:25

NOTES	
<p>1. All dimensions are in millimeters, unless otherwise stated.</p> <p>2. This drawing must not be scaled ,only figured dimensions should be used.</p> <p>3. This drawing must be read in conjunction with relevant Architectural drawings.</p> <p>4. Concrete to be grades C35/45 for Foundations, Columns &amp; Walls; Grade C30/37 for Slabs, Grade C15 /20 for Mass Concrete and C12/15 for Blinding to BS EN 206:2013+A1:2016; BS EN1992-1-1:2004 and Executed to BS EN 13670:2009.</p> <p>5. Cover to main reinforcement to be as follows:</p> <ul style="list-style-type: none"><li>Foundation = 75 mm</li><li>Columns = 45 mm</li><li>Slabs = 30mm</li></ul> <p>6. "H" Denotes Reinforcement bars of ductility classes A, B and C to BS 4461 with a yield strength of 500N/mm<sup>2</sup> to BS 4449-2005 to be used.</p> <p>7. Reinforcement in walls and columns must be inspected by the Engineer before being enclosed in the framework.</p> <p>8. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 200 mm courses with 12 mm mortar joints.</p> <p>9. PS = 0 expansion joint is located on Grid 5.</p>	
CLIENT	
NAME:	
SIGN:..... DATE:.....	
PROJECT	
ENGM041 CONCRETE BUILDING DESIGN	
DRAWING TITLE	
REINFORCED CONCRETE DETAILS	
DRAWN BY:	
ALLAN NDUBI MAUGO, 6857626	
CHECKED BY:	
NAME: ..... DATE: ..... SIGN: .....	
GENERAL DRAWINGS	
UNIVERSITY OF SURREY	
ISSUE DATE	MAY, 2025
DRAWING NO:	001 - SHT 003