GENERAL NOTES

All drawings to be read in conjunction with relevant Architectural drawings and Services drawings and if any discrepancies refer back to the Engineer for clarifications

All dimensions are in mm and must not be scaled. For any missing dimensions refer back to the Engineer for clarifications

Doubly cross hatched areas indicated block work filled with Grade 20 concrete

SITE PREPARATIONS AND FOUNDATION

BURIED SERVICES:- Before commencement of site preparation and excavation, all existing burried services found on the site shall be exposed by manual excavation and re-located to a position directed by the Engineer

SITE PREPARATION:- The area of the building, hard stand access shall be stripped of turf and top soil to a minimum depth of 150mm.

EXCAVATION:- Excavation for foundation shall be blinded with 50mm thick concrete of grade 10 immediately the foundation level is reached

Any pockets of soft soil or other unsuitable material found at the bottom of excavation shall be removed until firm ground is reached and level made up with lean concrete or other suitable fill material as directed by the Engineer.

FILL MATERIAL:- Fill where required shall be rock laterite or other granular mateial complying with LL not less than 45,
PI not greater than 10 and compacted in 150mm layers to CBR not less than 8%

Unless otherwise noted, the foundation has been designed for allowable bearing pressure of 150 kN/sq.m

All construction joints shall be formed with proper stop ends fixed vertically at locations indicated and / or agreed with the Engineer

CONCRETE:- Concrete for construction shall comply with the following
Structural concrete grade 25 unless otherwise specified
Mass concrete - grade 15
lean concrete (blinding) - grade 15
maximum aggregate size - 20mm
maximum water content - 0.45

STEEL REINFORCEMENT

All steel reinforcement shall be in accordance with BS4449
Fabric reinforcement shall be BS4483

Cover to reinforcements shall be as follows
Foundation - 50mm
Columns - 40mm
Beams - 30mm
Slabs - 15mm

Lap length (min) - 50 x bar diameter
Anchorage (min) - 40 x bar diameter

Abbrevations:
R - Round mild steel reinforcement
Y - High yield bond reinforcement
T - Top
B - Bottom
P - Pitch (centres)
BW- Both Ways
NF- Near face
FF- Far face

STRUCTURAL STEEL WORK
All steel work shall be grade43 complying with BS4

All bolts shall be black bolts shall be BS4190

Welding and fabrication shall be in accordance with BS449

Protection system shall be based on current edition of CP2008. Steel work shall thoroughly be wire-brushed to remove mill scale dirt and rust. Oil or grease shall be remove with White Spirit of Naphtha and allowed to dry. Apply one coat of red oxide paint as primer
Any damaged to primer to be sand papered and repainted after erection

BLOCK WORK

Mix proportion shall be 1:6 cement/sand with water regulated to produce driest mix consistent with full compaction

All blocks shall be cured in shade for at least 5 days and sprayed regularly with water.

Blocks may then be stacked not more than fice high in the shade for a further 21 days to dry out

Average strenght of 12 blocks not less than 2.76N/sq.mm. Minimum individual strength of block not less than 20N/sq.mm

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No.	By	Description	Date
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Revisions

Client:	MERCY CORPS
Programme:	COMITAS
Date:	Sept., 2022
Design Team:	N Johnson Maureen M S
Checked:	
Scale:	

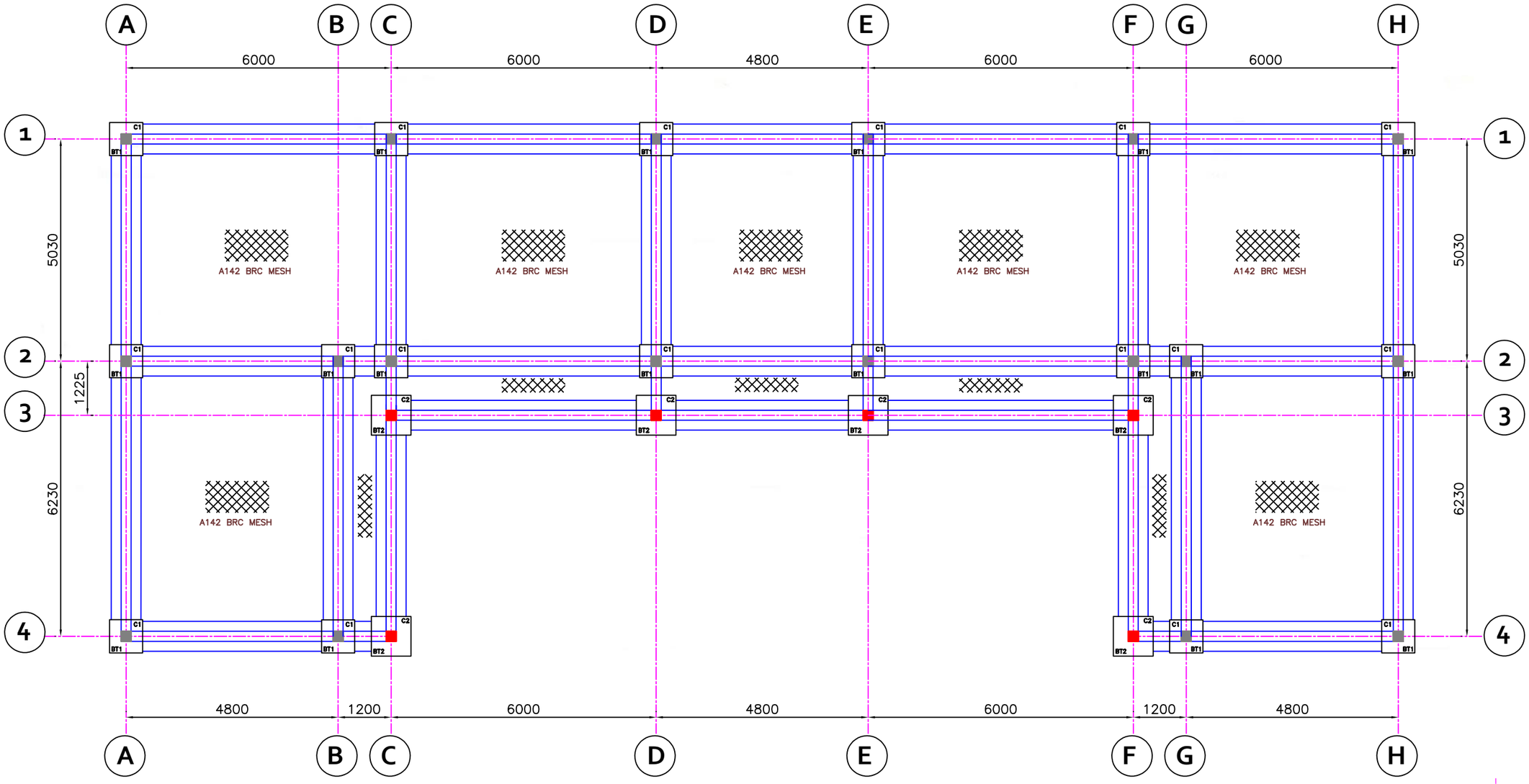
MERCY CORPS

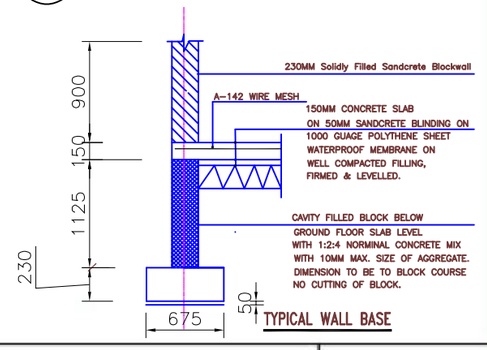
Drawing Title: GENERAL NOTES

Job No: DI/019/MC/YLA/09 22/ 002

Project Title: PROPOSED 6 CLASSROOM BLOCK WITH OFFICE.

Sheet Number: STR - 1 of 6





TYPICAL WALL BASE

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Revisions

Client:	MERCY CORPS
Programme:	COMITAS
Date:	Sept., 2022
Design Team:	N Johnson Maureen M S
Checked:	
Scale:	1:100

MERCY CORPS

Drawing Title:

FOUNDATION GENERAL ARRANGEMENT

Job No:

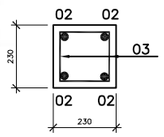
DI/019/MC/YLA/09 22/ 002

Project Title

PROPOSED 6 CLASSROOM BLOCK WITH OFFICE.

Sheet Number

STR - 2 of 6



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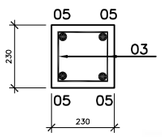

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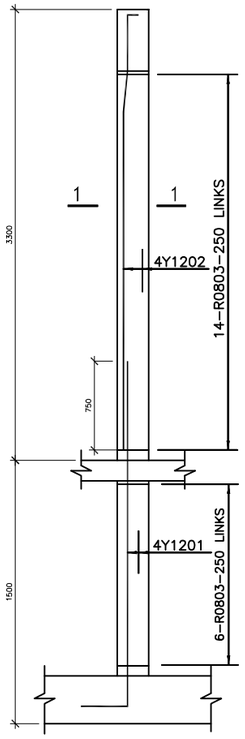

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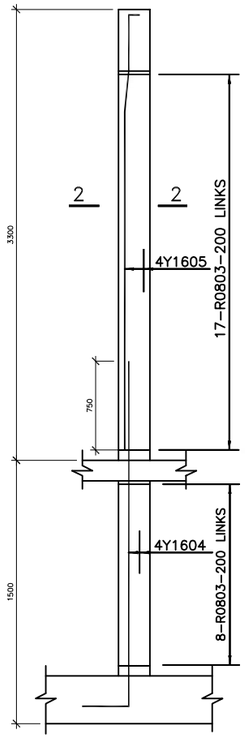

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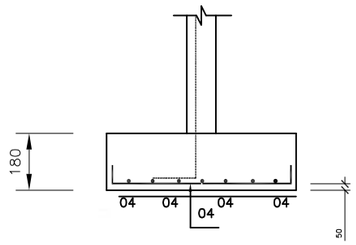
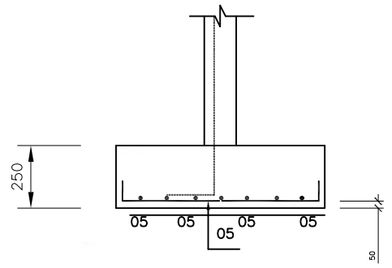


SECTION 3–3



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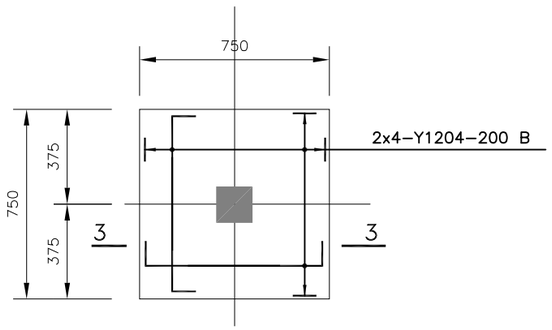

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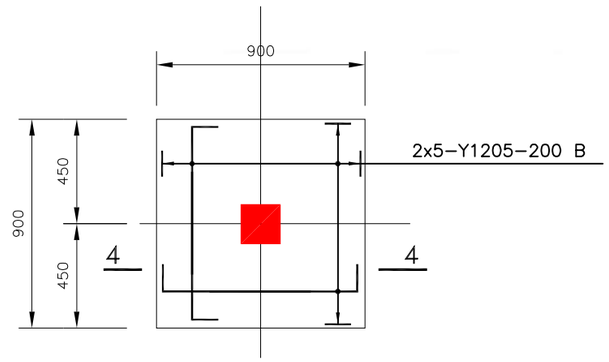

BASE TYPE 2
(6 Nos.)

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Revisions

Client:	MERCY CORPS
Programme:	COMITAS
Date:	Sept., 2022
Design Team:	N Johnson Maureen M S
Checked:	
Scale:	N.T.S.

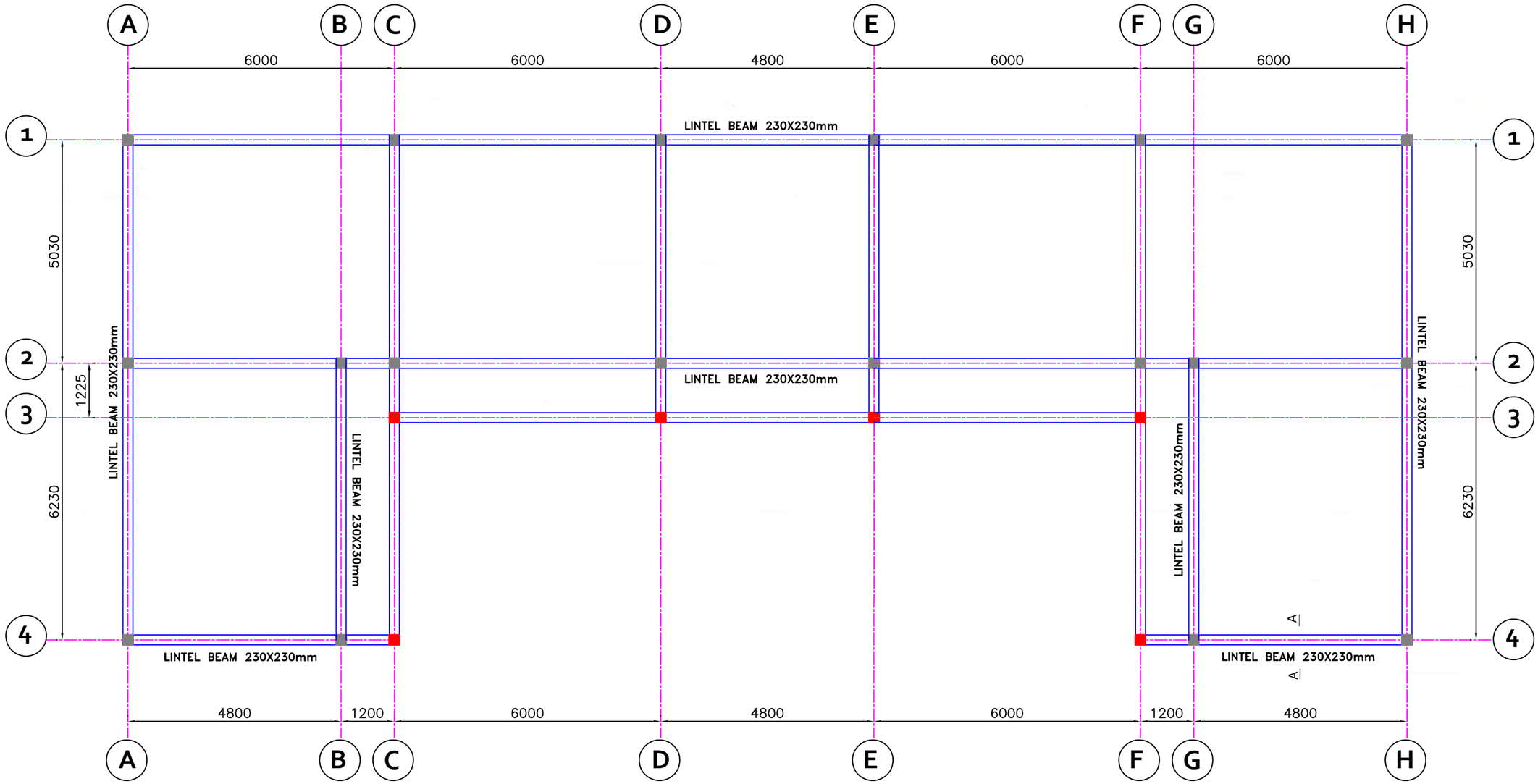
MERCY CORPS

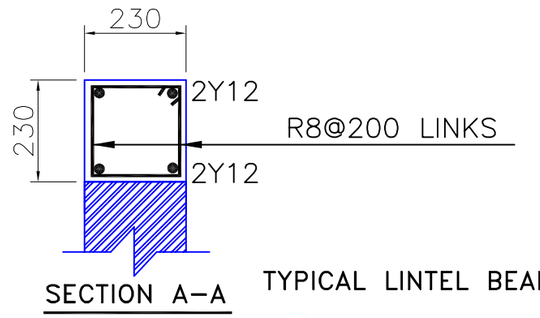
Drawing Title:
COLUMN TYPES AND BASE REINFORCEMENT DETAILS

Job No:
D!/019/MC/YLA/09 22/ 002

Project Title
PROPOSED 6 CLASSROOM BLOCK WITH OFFICE.

Sheet Number
STR - 3 of 6





SECTION A–A

TYPICAL LINTEL BEAM DETAILS

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Revisions

Client:	MERCY CORPS
Programme:	COMITAS
Date:	Sept., 2022
Design Team:	N Johnson Maureen M S
Checked:	
Scale:	1:100

MERCY CORPS

Drawing Title:

LINTEL BEAMS
REINFORCEMENT DETAILS

Job No:

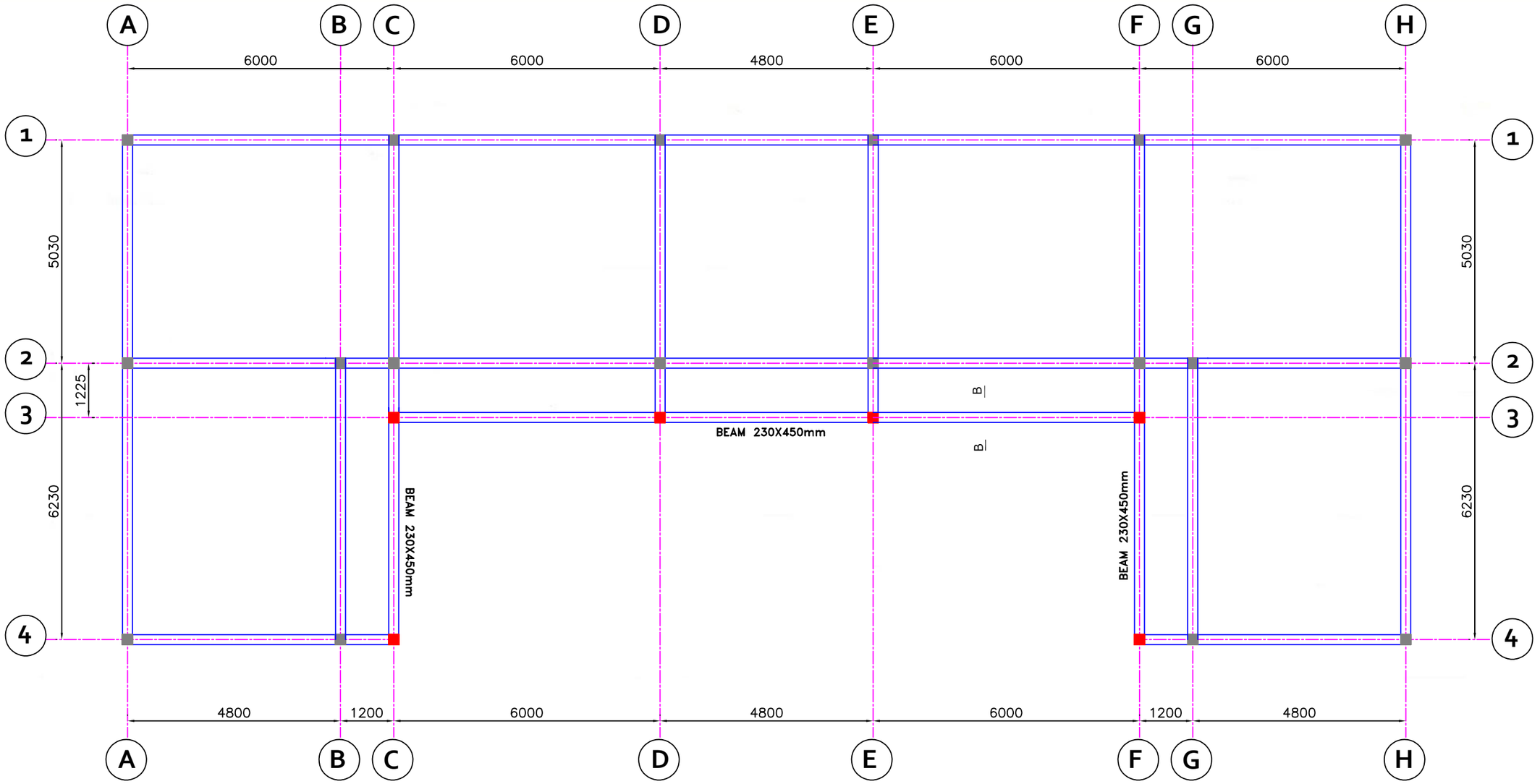
DI/019/MC/YLA/09 22/ 002

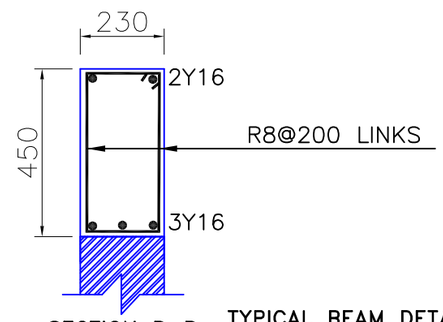
Project Title

PROPOSED 6 CLASSROOM BLOCK WITH OFFICE.

Sheet Number

STR - 4 of 6





SECTION B–B

TYPICAL BEAM DETAILS

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Client:	MERCY CORPS
Programme:	COMITAS
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Design Team:	N Johnson Maureen M S
Checked:	
Scale:	1:100

MERCY CORPS

Drawing Title:

BEAMS REINFORCEMENT DETAILS

Job No:

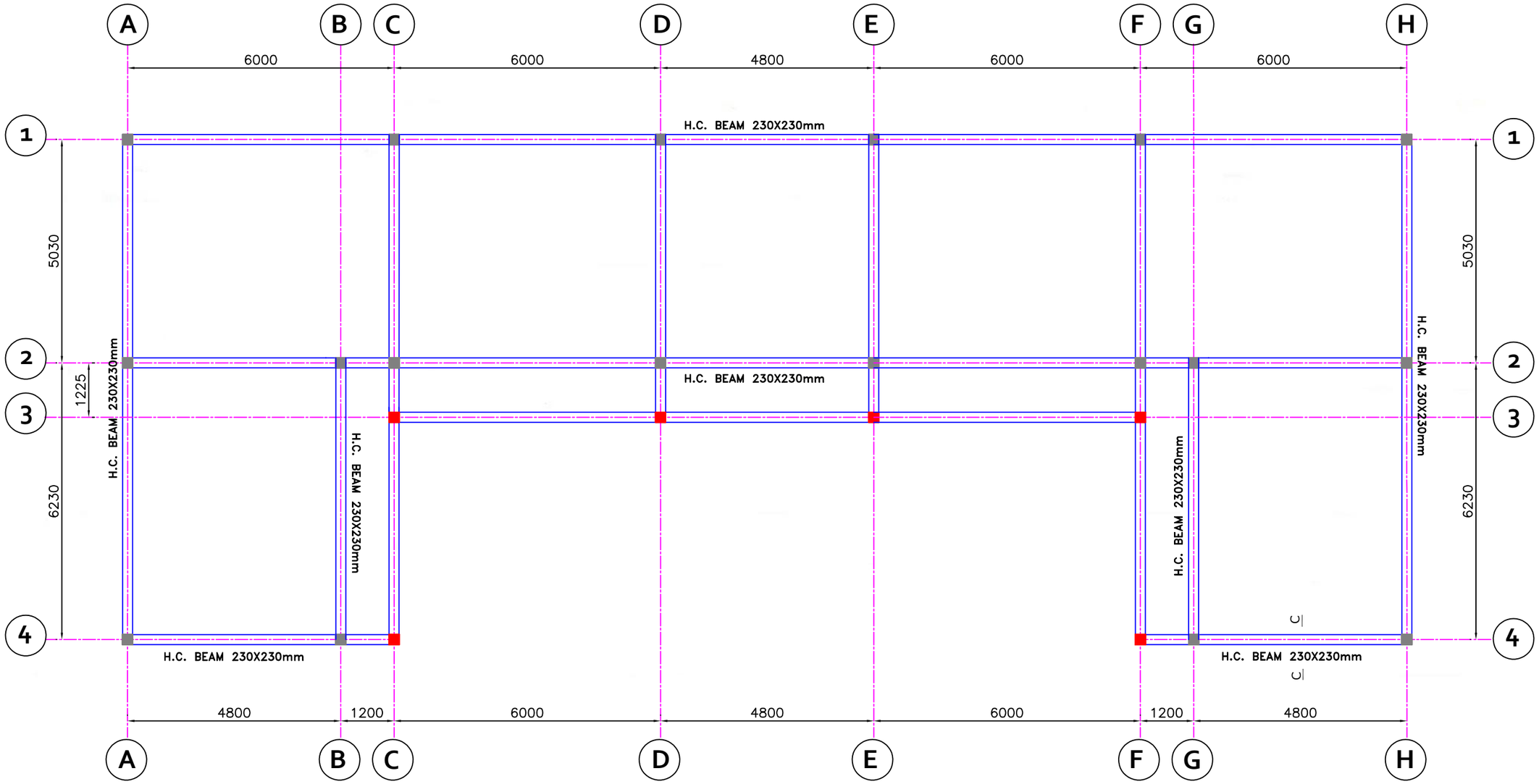
DI/019/MC/YLA/09 22/ 002

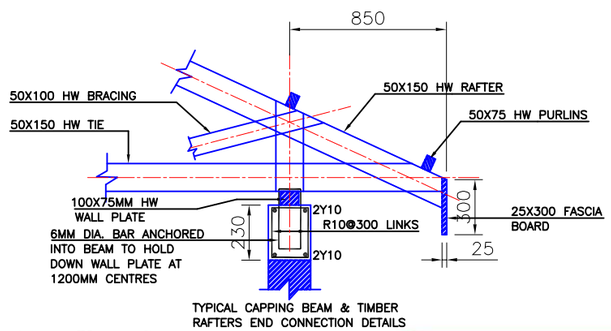
Project Title

PROPOSED 6 CLASSROOM BLOCK WITH OFFICE.

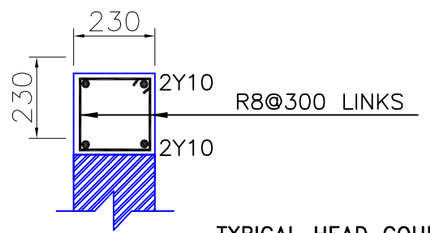
Sheet Number

STR - 5 of 6





TYPICAL CAPPING BEAM & TIMBER RAFTERS END CONNECTION DETAILS



SECTION C–C

TYPICAL HEAD COURSE BEAM DETAILS

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Revisions

Client:	MERCY CORPS
Programme:	COMITAS
Date:	Sept., 2022
Design Team:	N Johnson Maureen M S
Checked:	
Scale:	1:100

MERCY CORPS

Drawing Title:

HEAD COURSE BEAM REINFORCEMENT DETAILS

Job No:

DI/019/MC/YLA/09 22/ 002

Project Title

PROPOSED 6 CLASSROOM BLOCK WITH OFFICE.

Sheet Number

STR - 6 of 6