

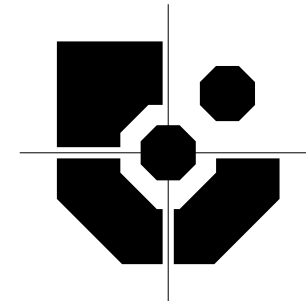
TRAFFIC POLICE MOSQUE

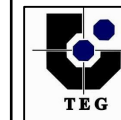
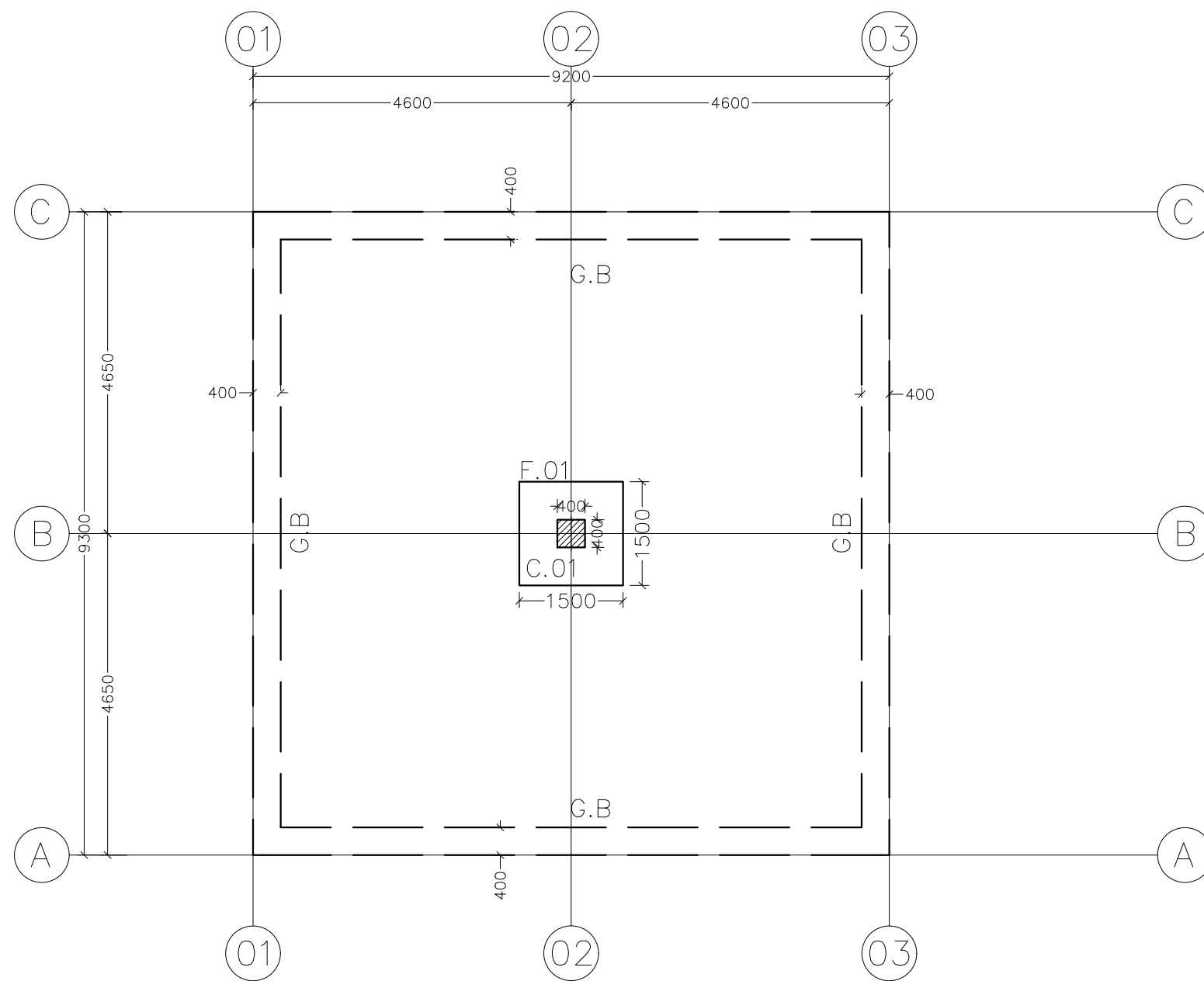
APRIL 2022

Technocon Engineering Group

Tel: +249 183 586384/586387 - Fax: +249 183 586388

P.O.Box: 165 Khartoum - E-mail: TechnoconEG@yahoo.com





TECHNOCON ENGINEERING GROUP
ENGINEERING CONSULTANTS

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GENERAL NOTES:

- 1- Steel f_y not less than 460 N/mm².
- 2- Concrete f_{cu} should not be less than 35N/mm² for 28days strength.
- 3-Max-Aggregate size 20mm for beams & col.s and 30mm for found.s.
- 4- Concrete cover for reinforcement should not be less than 25mm for beams & columns and 75mm for foundations.
- 5- Over laps of steel should not be less than 50 times larger bar size & should always be located within concrete being under compression.
- 6- Construction joints shall be located at one fifth of span of slabs.
- 7- All Dimensions are in mm.
- 8-At least Sulphate Resistance Cement, SRC (type V plus pozzolan) should be used.
- 9-The maximum water-cementitious materials ratio should be as 0.40.
- 10-The minimum cementitious materials content should not be less than 370 kg/m³
- 11-The minimum strength should be in the order of 35 MPa.
- 12-Minimum concrete cover shall be at least 75mm.
- 13-Bearing Capacity = 220 kN/m² for Grain Silo.
- 14-Bearing Capacity = 180 kN/m² for Admin & Store Building.

KEYPLAN:



Client:

TRAFFIC POLICE



Address: Khartoum North, Khartoum, Sudan
Tel.: + 249 187 642 430
e-mail: info@trafficpolice.gov.sd, website: <http://trafficpolice.gov.sd>

Project name:

Al Muroor Mosque

Location:	GARRI, KHARTOUM - SUDAN
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Plot:

	Block:
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Sheet title:

FOUNDATION LAYOUT

Scale:

N.T.S

Project No.:

Date:

04/2022

Project status:

DESIGN STAGE

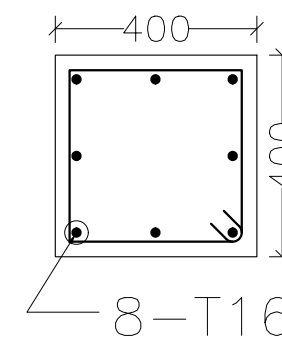
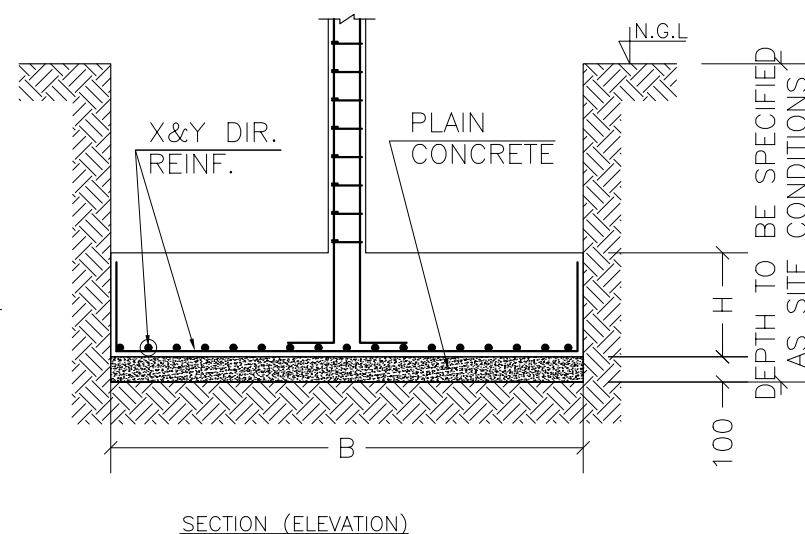
Sheet number:

TEG-DD-ST-01

REV.	DATE	DESCRIPTION	DESIGN	DRAWN	CHECKED
01	01-02-2022	DESIGN STAGE	I.E.E.	I.E.E.	N.A.



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COLUMNS C.01 DETAILS

TYPICAL FOOTING

FOOTING NAME PROPERTIES	DIMENSIONS			BOT.REINFORCEMENT	
	L	B	H	PARALLEL TO COLUMN WIDTH	PARALLEL TO COLUMN LENGTH
F.01	1500	1500	500	T 16 @ 200	T 16 @ 200

FOUNDATION SIZES & REINFORCEMENT



Address: Khartoum North, Khartoum, Sudan
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e-mail: info@trafficpolice.gov.sd website: <http://trafficpolice.gov.sd/>

Al Muroor Mosque

Plot:	Block:
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FOUNDATIONS DETAIL

Project No.:

Project status:	DESIGN STAGE
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TEG-DD-ST-02

[illegible]

GENERAL NOTES:

- 1- Steel f_y not less than 460 N/mm^2 .
- 2- Concrete f_{cu} should not be less than 35 N/mm^2 for 28 days strength.
- 3- Max-Aggregate size 20mm for beams & col.s and 30mm for found.s.
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KEY PLAN:



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e-mail: info@trafficpolice.gov.sd, website: http://trafficpolice.gov.sd/

Project name:
Al Muroor Mosque

Location: GARRI, KHARTOUM - SUDAN

Plot: **Block:**

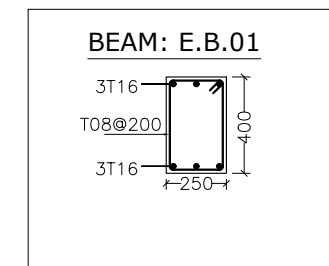
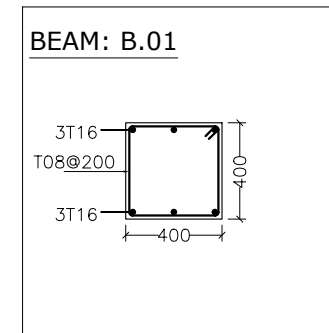
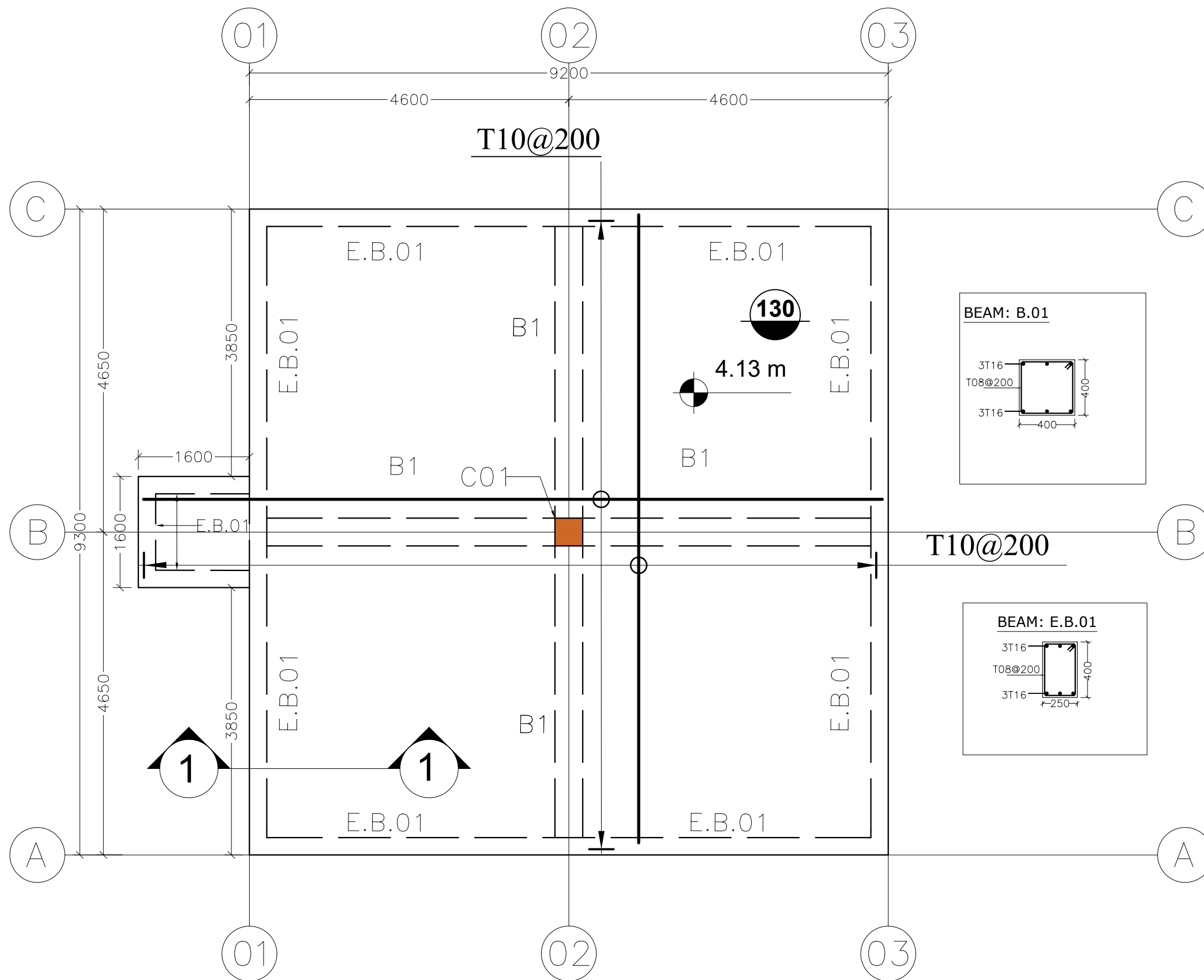
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ROOF FLOOR BOTTOM REINFORCEMENT

Scale: N.T.S **Project No.:**

Date: 04/2022 **Project status:** DESIGN STAGE

Sheet number:
TEG-DD-ST-03

REV.	DATE	DESCRIPTION	DESIGN	DRAWN	CHECK
01	01-02-2022	DESIGN STAGE	I.E.E.	I.E.E.	H.A.



GENERAL NOTES:

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KEYPLAN:



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e-mail: info@trafficpolice.gov.sd, website: http://trafficpolice.gov.sd/

Project name:
Al Muroor Mosque

Location: GARRI, KHARTOUM - SUDAN

Plot: **Block:**

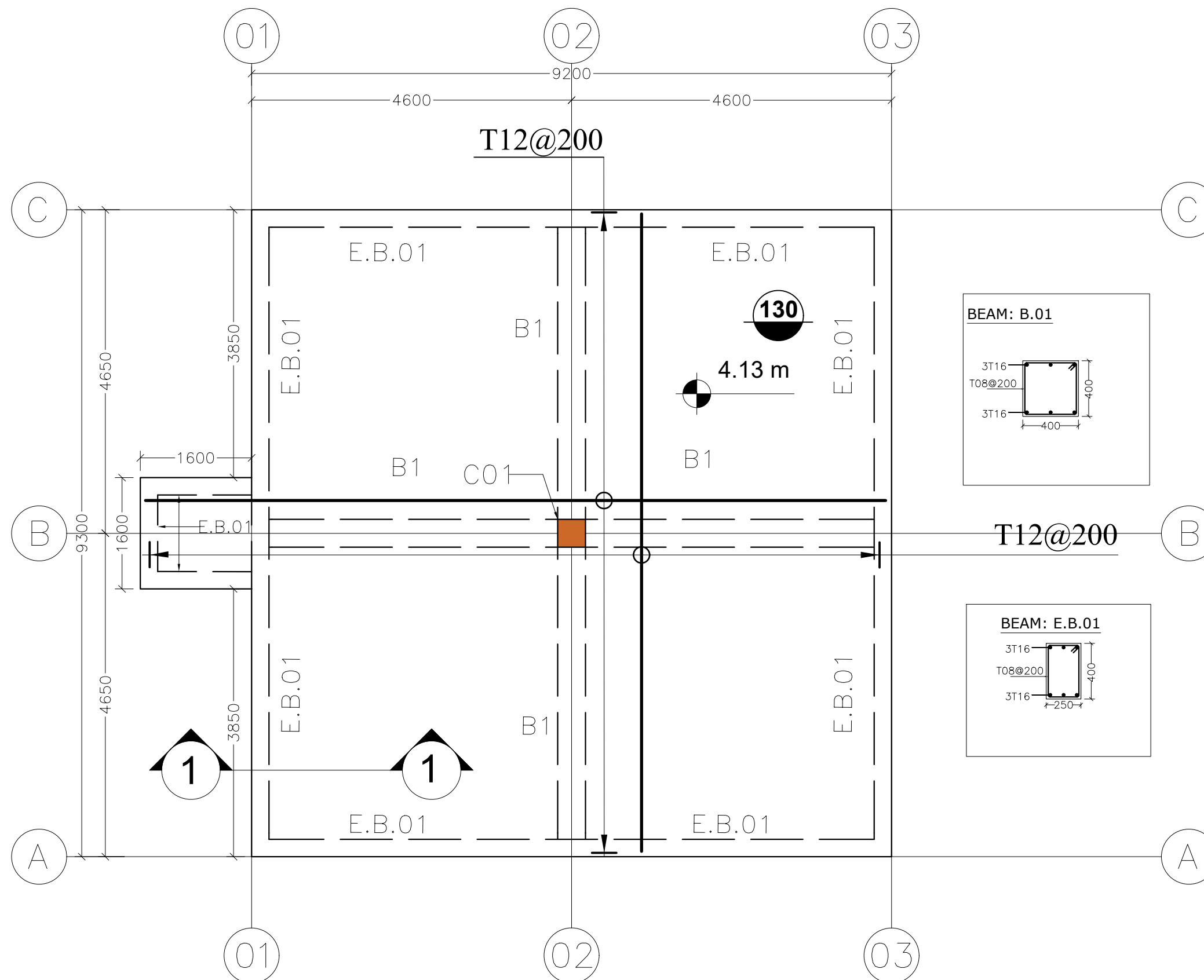
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Scale: N.T.S **Project No.:**

Date: 04/2022 **Project status:** DESIGN STAGE

Sheet number:
TEG-DD-ST-04

REV.	DATE	DESCRIPTION	DESIGN	DRAWN	CHECK
01	01-02-2022	DESIGN STAGE	I.E.E.	I.E.E.	H.A.



TOP REINF.



- 1- Steel f_y not less than 460 N/mm².
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 Address: Khartoum North, Khartoum, Sudan
 Tel.: + 249 187 642 430
 e-mail: info@trafficpolice.gov.sd, website: <http://trafficpolice.gov.sd/>

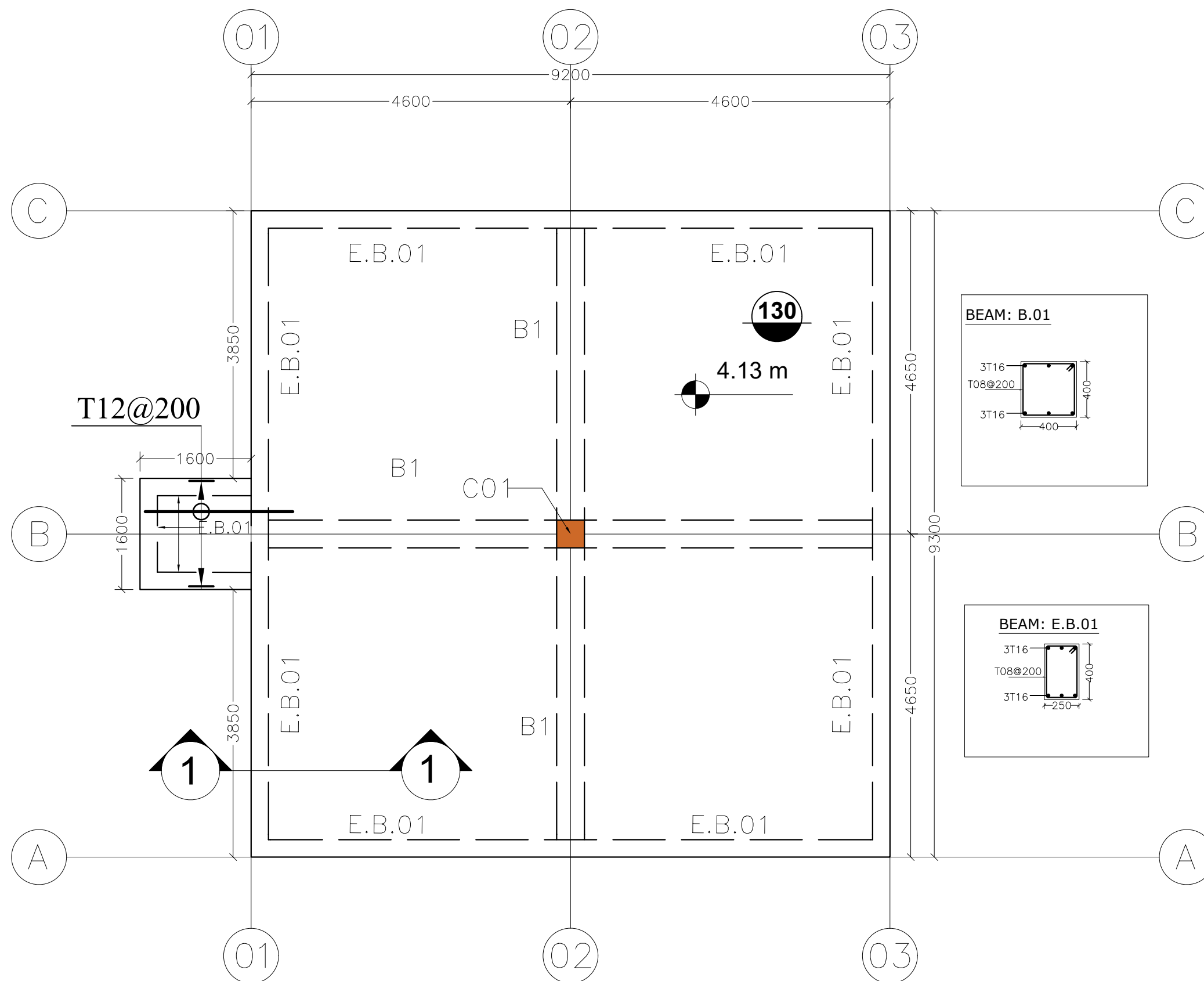
Location:	GARRI, KHARTOUM - SUDAN
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Sheet title:

ROOF FLOOR TOP REINFORCEMENT

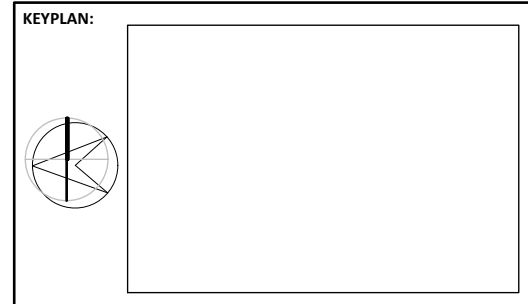
Project No.:

Project status: DESIGN STAGE

[illegible]

ADD. TOP REINF.

- GENERAL NOTES:
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Project name:
Al Muroor Mosque

Location: GARRI, KHARTOUM - SUDAN

Plot: Block:

Sheet title:
**BEAMS & LOADBEARING WALL
DETAIL**

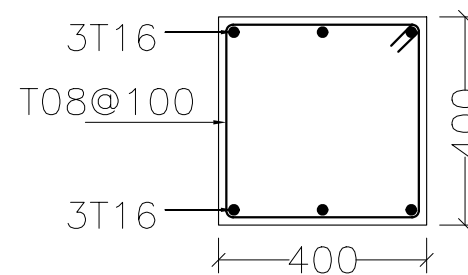
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Date: **04/2022** Project status:
DESIGN STAGE

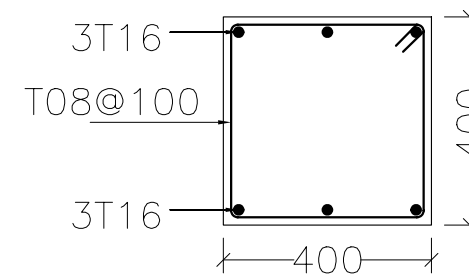
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REV.	DATE	DESCRIPTION	DESIGN	DRAWN	CHECK
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BEAM: B.01

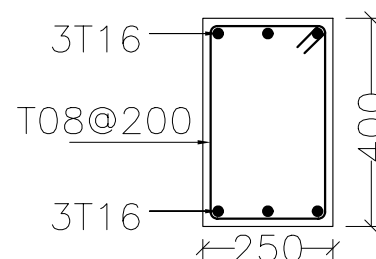


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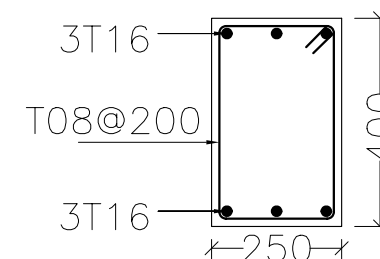


SECTION NEAR SUPPORT

BEAM: E.B.01



SECTION @ MID SPAN



SECTION NEAR SUPPORT

