

PROPOSED SINGLE STOREY MOSQUE(700 PAX)

MALE', MALDIVES
STRUCTURAL DRAWINGS

06-03-2021

SIARCH

P R I V A T E L I M I T E D

LONUZIYAARAIY MAGU,MALE',20075,MALDIVES

E M A I L : I N F O @ S I A R C H . D E S I G N

H T T P / / : W W W . S I A R C H . D E S I G N

CONCRETE COVER TO REINF.
FOUNDATION, GROUND = 60MM
SLAB AND BEAM
SLAB TOP COVER = 25MM
SLAB BOTTOM COVER = 30MM
COVER TO BEAMS = 30-35MM
COVER TO COLUMNS = 40MM
LAPS = 4Ø (ØBAR)
CONCRETE MIX = 1:2:3

DESIGN AND CONSULTANCY:
SIARCH
PRIVATE LIMITED
LONUZIYAARIY MAGU, WALE, 20075, MALDIVES
EMAIL: INFO@SIARCH.DESIGN
HTTP://WWW.SIARCH.DESIGN

This drawing shall not be used for construction unless certified.
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NO	DESCRIPTION	DATE
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[illegible]700 PAX MOSQUE
DESIGN

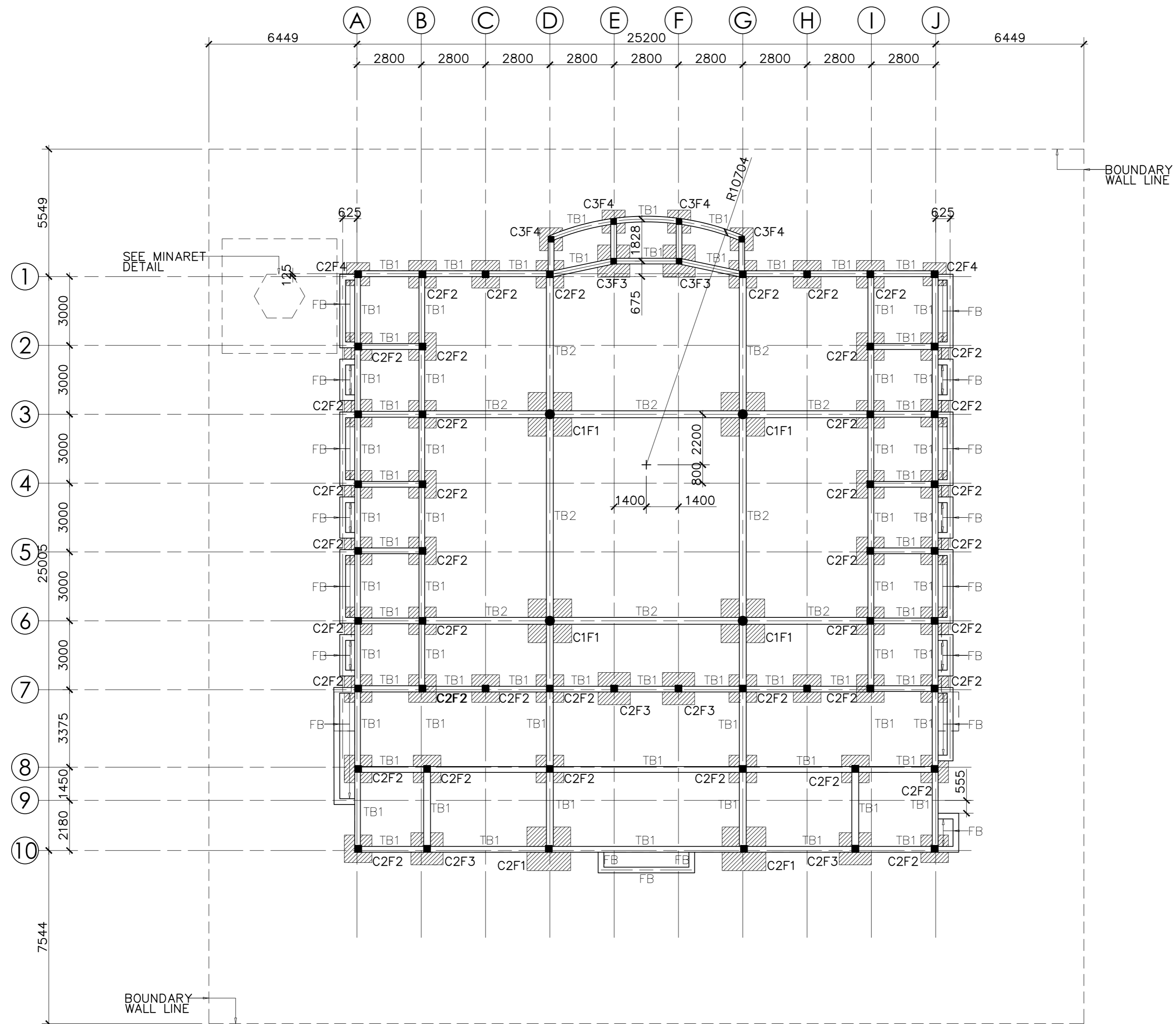
- ☒ CONCEPT DESIGN
- ☐ DESIGN DEVELOPMENT
- ☐ TENDER DOCUMENT
- ☐ FOR CONSTRUCTION
- ☐ AS BUILD DRAWINGS

DESIGNATION	NAME	SIGNATURE
PROJECT MANAGER	MOHAMED SIRAJ	
TR. ENGINEER		
CHIEF ARCHITECT		
CHECKED		
DRAWN	YASHIKA	

STRUCTURAL

MOSQUE
FOUNDATION PLAN

CODE	DATE			DWG. NO:
COM-32	06-03-2021			ST01
FORMAT	A1	A2	A3	
SCALE	-	-	:200	
PDF FILE		COM-32:102_A		
NAME:				



MOSQUE FOUNDATION PLAN
SCALE 1:200

CONCRETE COVER TO REINF.
FOUNDATION, GROUND = 60MM
SLAB AND BEAM
SLAB TOP COVER = 25MM
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NO	DESCRIPTION	DATE
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[illegible]700 PAX MOSQUE
DESIGN

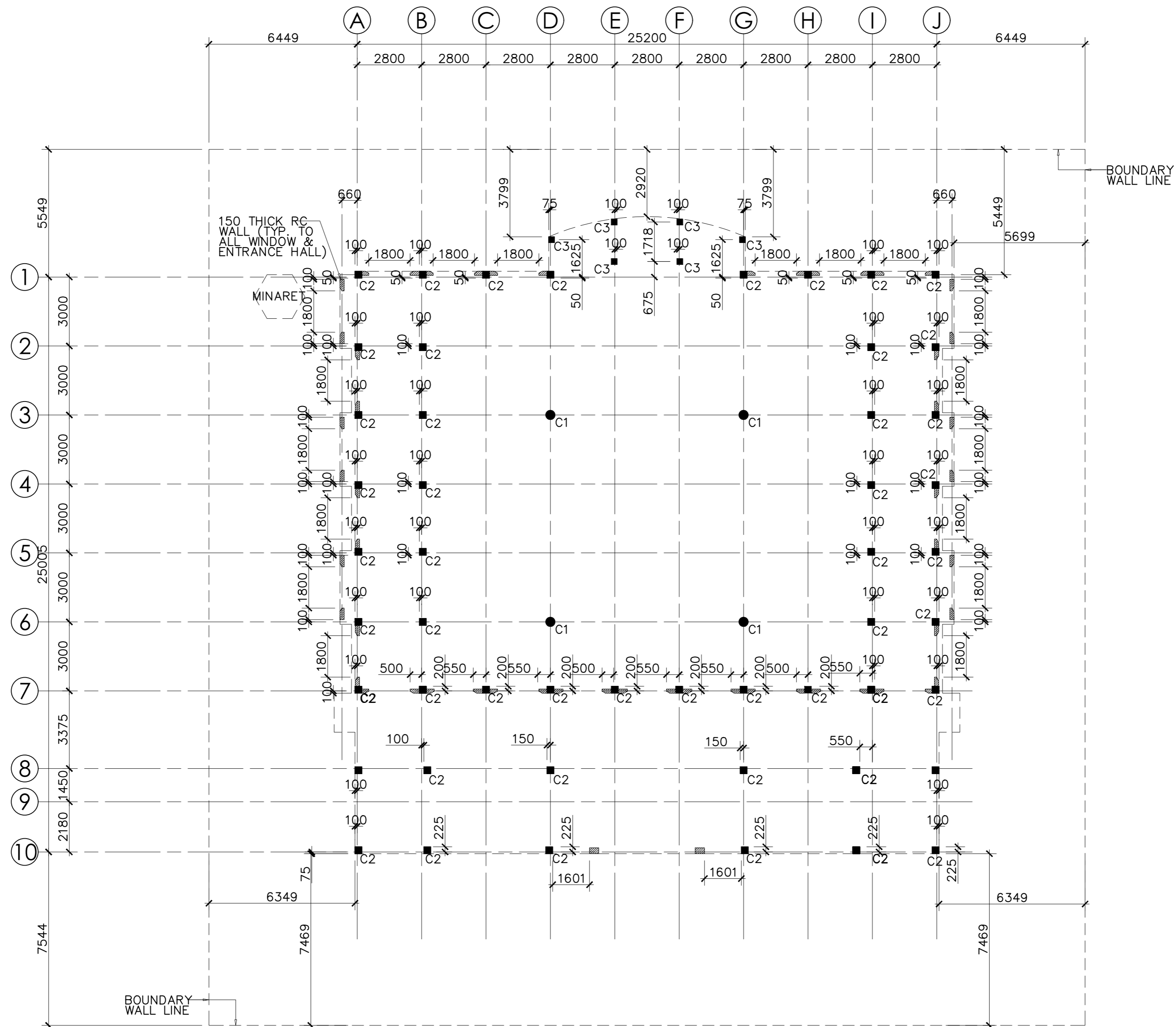
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DESIGNATION	NAME	SIGNATURE
PROJECT MANAGER	MOHAMED SIRAJ	
TR. ENGINEER		
CHIEF ARCHITECT		
CHECKED		
DRAWN	YASHIKA	

STRUCTURAL

CODE	DATE			DWG. NO:
COM-32	06-03-2021			ST02
FORMAT	A1	A2	A3	
SCALE	-	-	:200	ISSUE A
PDF FILE NAME:	COM-32:103_A			

LEGEND:
 = COLUMN
 = R.C. WALL



MOSQUE COLUMN AND RC WALL PLAN

SCALE 1:200

CONCRETE COVER TO REINF.
FOUNDATION, GROUND = 60MM
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SLAB TOP COVER = 25MM
SLAB BOTTOM COVER = 30MM
COVER TO BEAMS = 30-35MM
COVER TO COLUMNS = 40MM
LAPS = 4Ø (ØBAR)
CONCRETE MIX = 1:2:3

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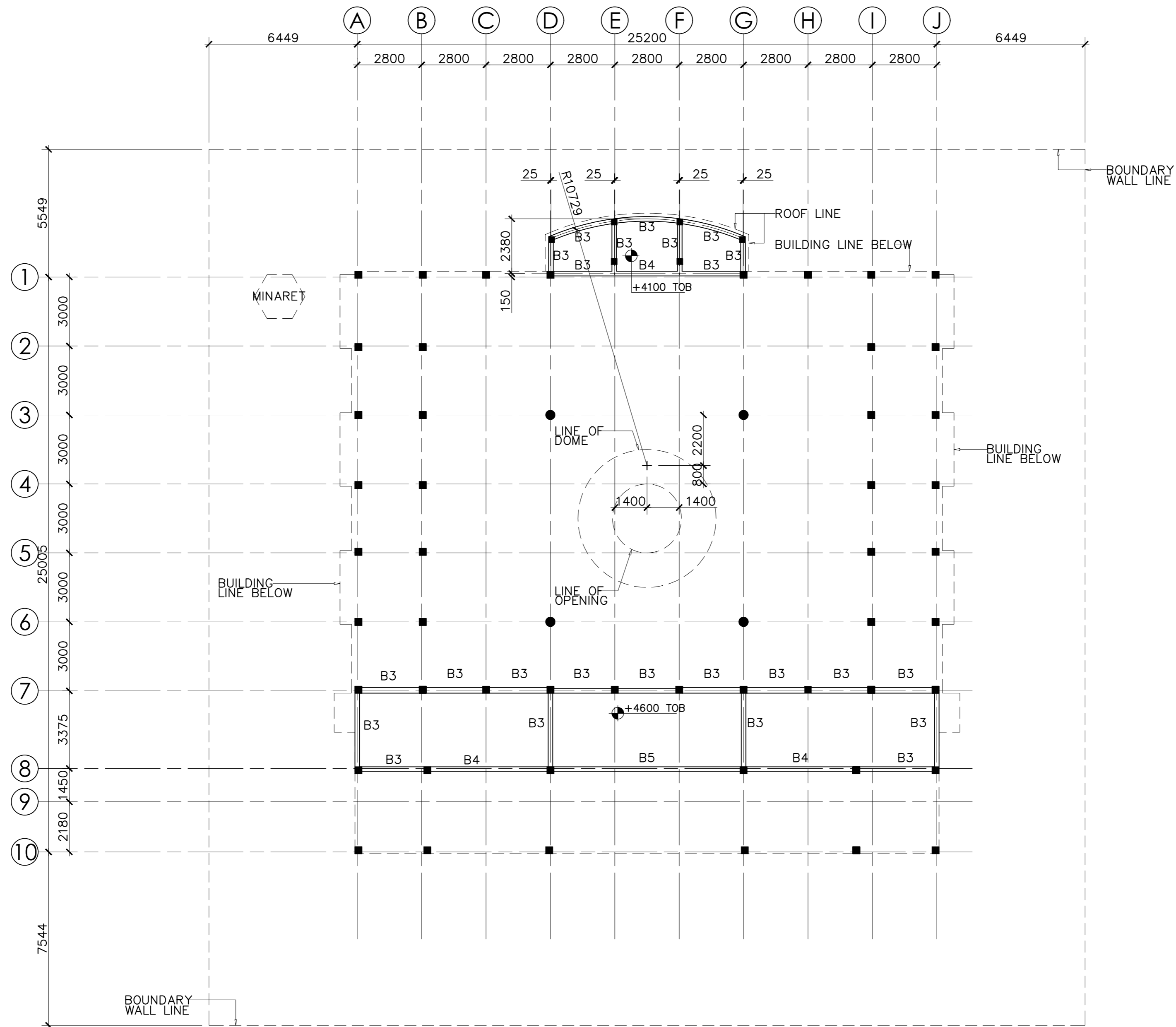
[illegible]700 PAX MOSQUE
DESIGN

- CONCEPT DESIGN
- DESIGN DEVELOPMENT
- TENDER DOCUMENT
- FOR CONSTRUCTION
- AS BUILD DRAWINGS

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PROJECT MANAGER	MOHAMED SIRAJ	
TR. ENGINEER		
CHIEF ARCHITECT		
CHECKED		
DRAWN	YASHIKA	

STRUCTURAL

CODE	DATE			DWG. NO:
COM-32	06-03-2021			ST03
FORMAT	A1	A2	A3	
SCALE	-	-	1:200	ISSUE A
PDF FILE NAME:	COM-32_I04_A			



ROOF BEAM PLAN AT LEVEL 4.1 & 4.6 METERS
SCALE 1:200

NOTE:
TOB = TOP OF BEAM

CONCRETE COVER TO REINF.
FOUNDATION, GROUND = 60MM
SLAB AND BEAM
SLAB TOP COVER = 25MM
SLAB BOTTOM COVER = 30MM
COVER TO BEAMS = 30-35MM
COVER TO COLUMNS = 40MM
LAPS = 4Ø (ØBAR)
CONCRETE MIX = 1:2:3

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[illegible]700 PAX MOSQUE
DESIGN

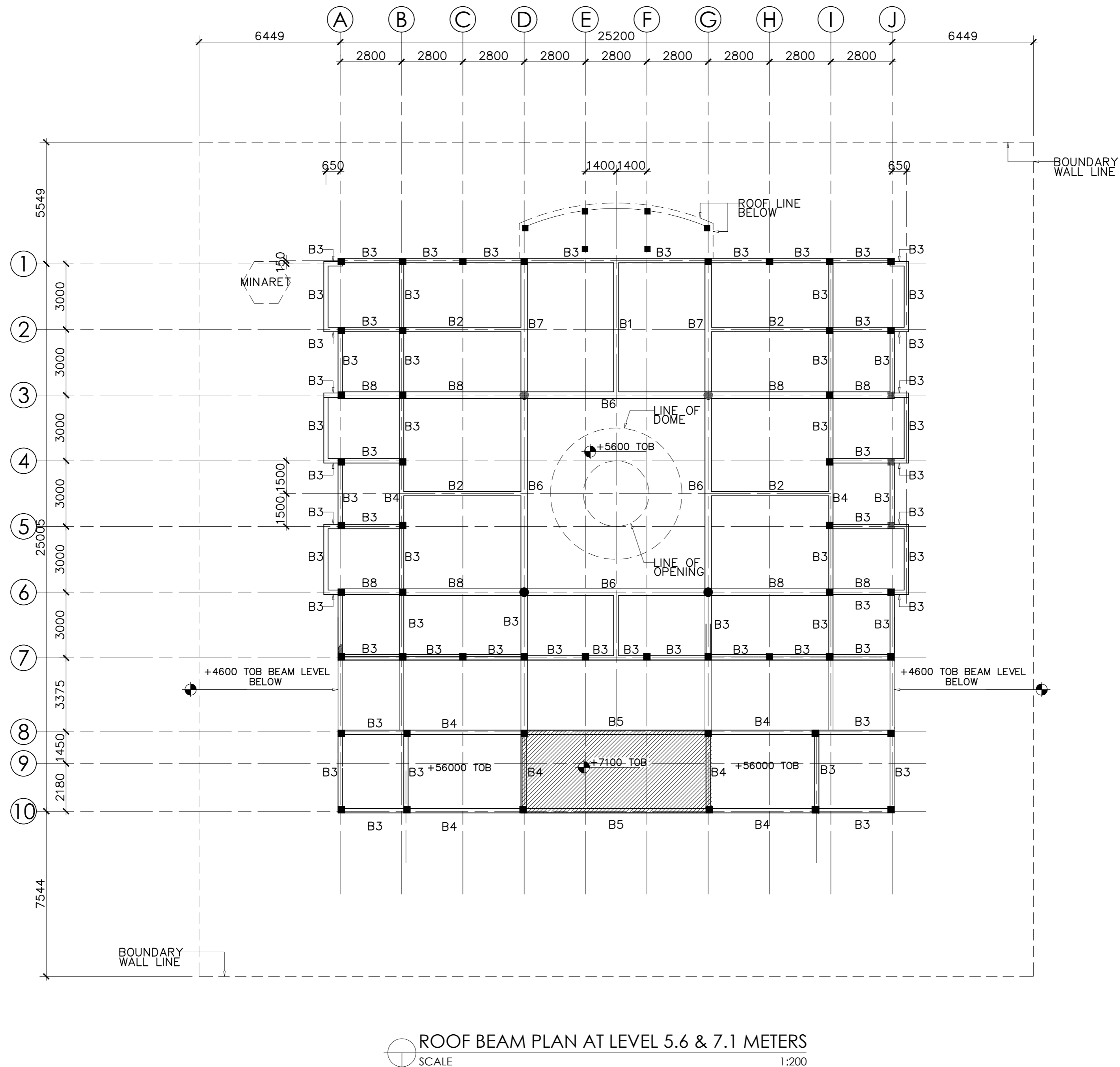
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- TENDER DOCUMENT
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PROJECT MANAGER	MOHAMED SIRAJ	
TR. ENGINEER		
CHIEF ARCHITECT		
CHECKED		
DRAWN	YASHIKA	

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CODE	DATE			DWG. NO:
COM-32	06-03-2021			ST04
FORMAT	A1	A2	A3	
SCALE	-	-	1:200	ISSUE A
PDF FILE NAME:	COM-32_I05_A			

NOTE:
TOB = TOP OF BEAM
HATCHED PART OF BEAM
IS AT LEVEL +6.5 METERS



CONCRETE COVER TO REINF.
FOUNDATION, GROUND = 60MM
SLAB AND BEAM
SLAB TOP COVER = 25MM
SLAB BOTTOM COVER = 30MM
COVER TO BEAMS = 30-35MM
COVER TO COLUMNS = 40MM
LAPS = 4Ø (ØBAR)
CONCRETE MIX = 1:2:3

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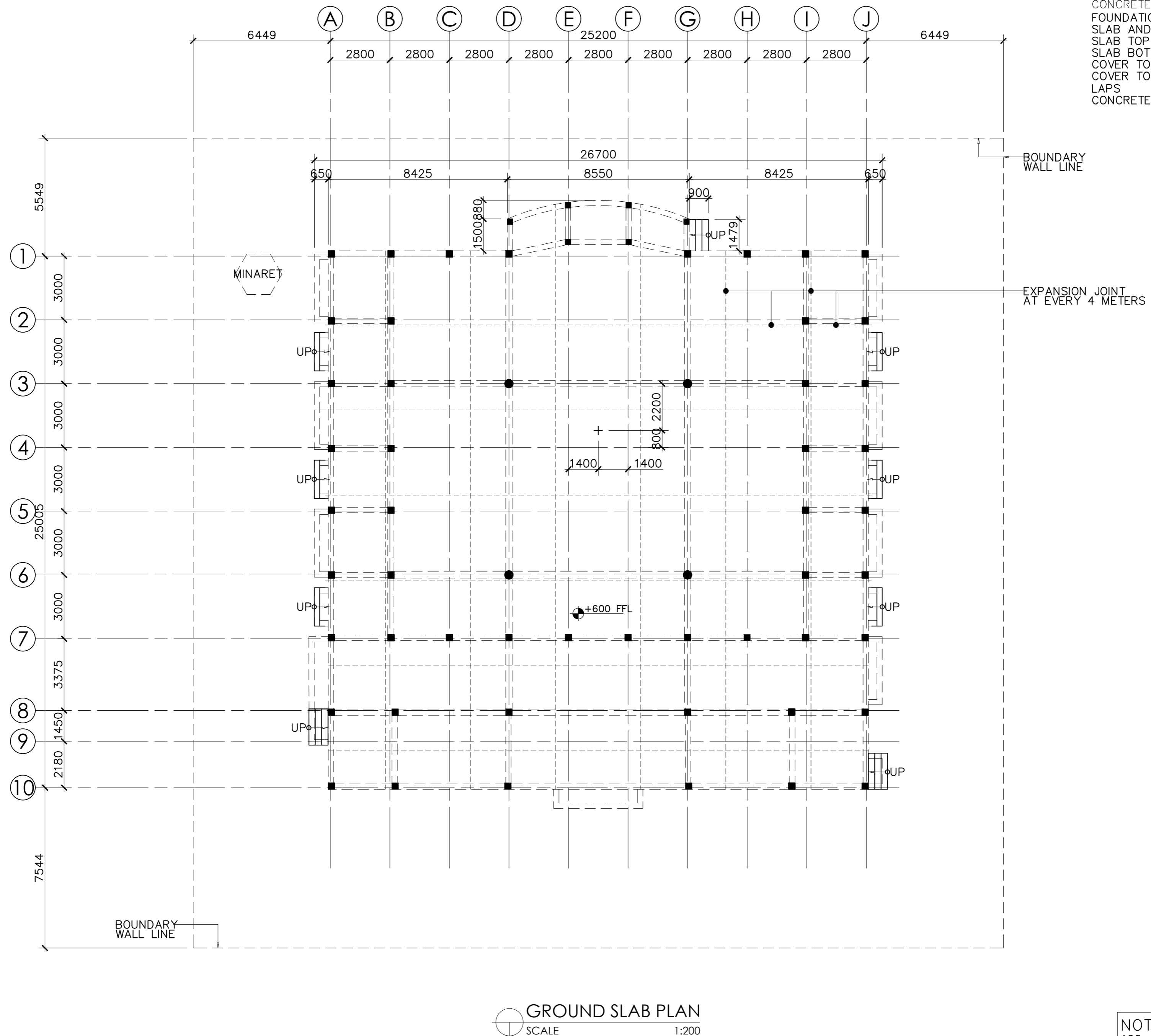
[illegible]700 PAX MOSQUE
DESIGN

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- ☐ DESIGN DEVELOPMENT
- ☐ TENDER DOCUMENT
- ☐ FOR CONSTRUCTION
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DWG. NAME:

STRUCTURAL

CODE	DATE			DWG. NO:
COM-32	06-03-2021			ST05
FORMAT	A1	A2	A3	
SCALE	-	-	1:200	ISSUE A
PDF FILE NAME:	COM-32_I06_A			



NOTE:
100mm THICK GROUND SLAB
WITH T10 @ 200 C/C, B.W.
SINGLE LAYER

CONCRETE COVER TO REINF.
FOUNDATION, GROUND = 60MM
SLAB AND BEAM
SLAB TOP COVER = 25MM
SLAB BOTTOM COVER = 30MM
COVER TO BEAMS = 30-35MM
COVER TO COLUMNS = 40MM
LAPS = 45Ø (ØBAR)
CONCRETE MIX = 1: 2: 3



NOTE:
TOS = TOP OF SLAB
SLAB THICKNESS = 150MM
BOTTOM BARS = T10 @ 150 C/C, B.W.

[illegible]

CONCRETE COVER TO REINF.
FOUNDATION, GROUND = 60MM
SLAB AND BEAM
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SLAB BOTTOM COVER = 30MM
COVER TO BEAMS = 30-35MM
COVER TO COLUMNS = 40MM
LAPS = 4Ø (ØBAR)
CONCRETE MIX = 1:2:3

DESIGN AND CONSULTANCY:
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[illegible]700 PAX MOSQUE
DESIGN

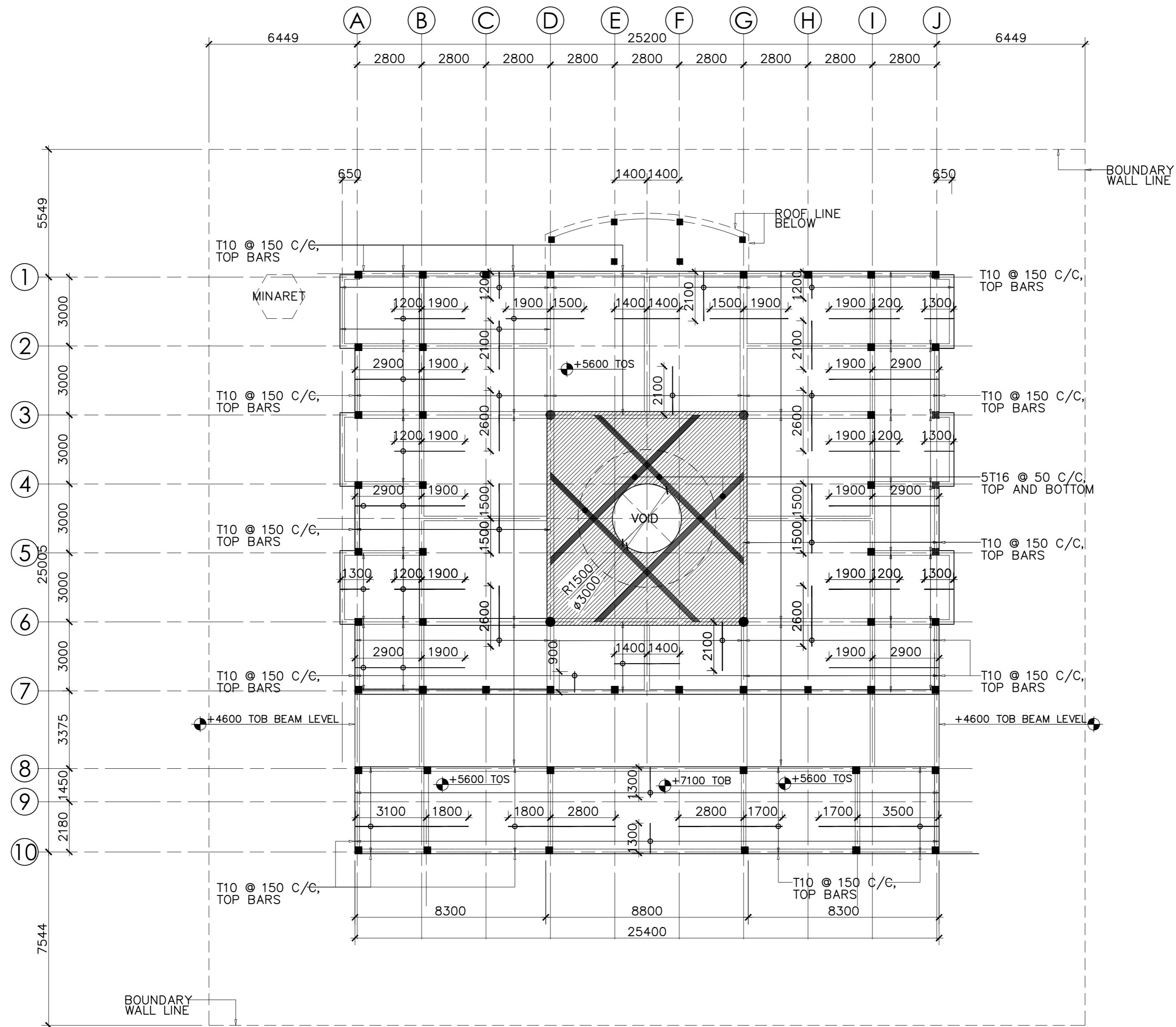
- ☒ CONCEPT DESIGN
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- ☐ TENDER DOCUMENT
- ☐ FOR CONSTRUCTION
- ☐ AS BUILD DRAWINGS

DESIGNATION	NAME	SIGNATURE
PROJECT MANAGER	MOHAMED SIRAJ	
TR. ENGINEER		
CHIEF ARCHITECT		
CHECKED		
DRAWN	YASHIKA	


STRUCTURAL

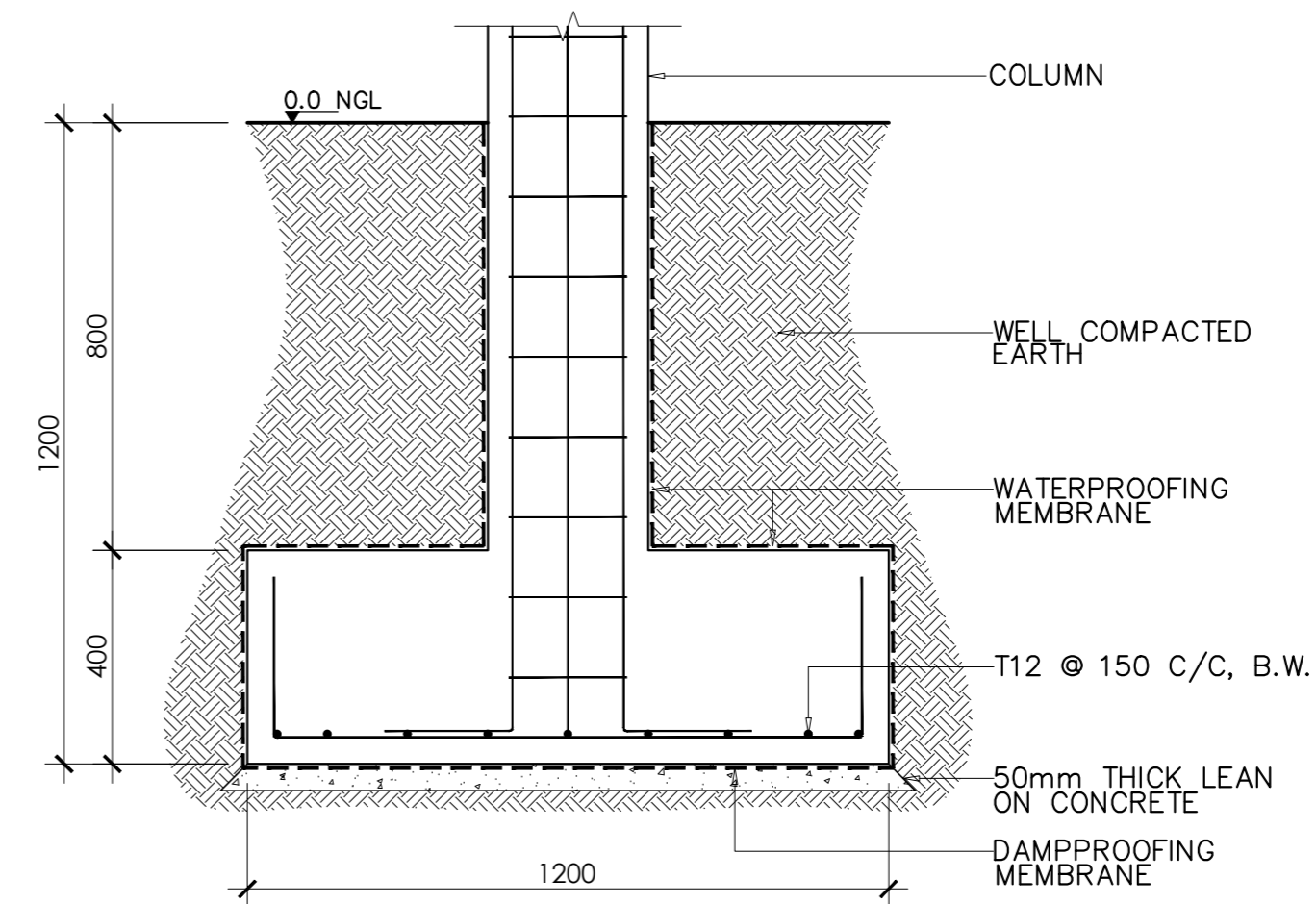
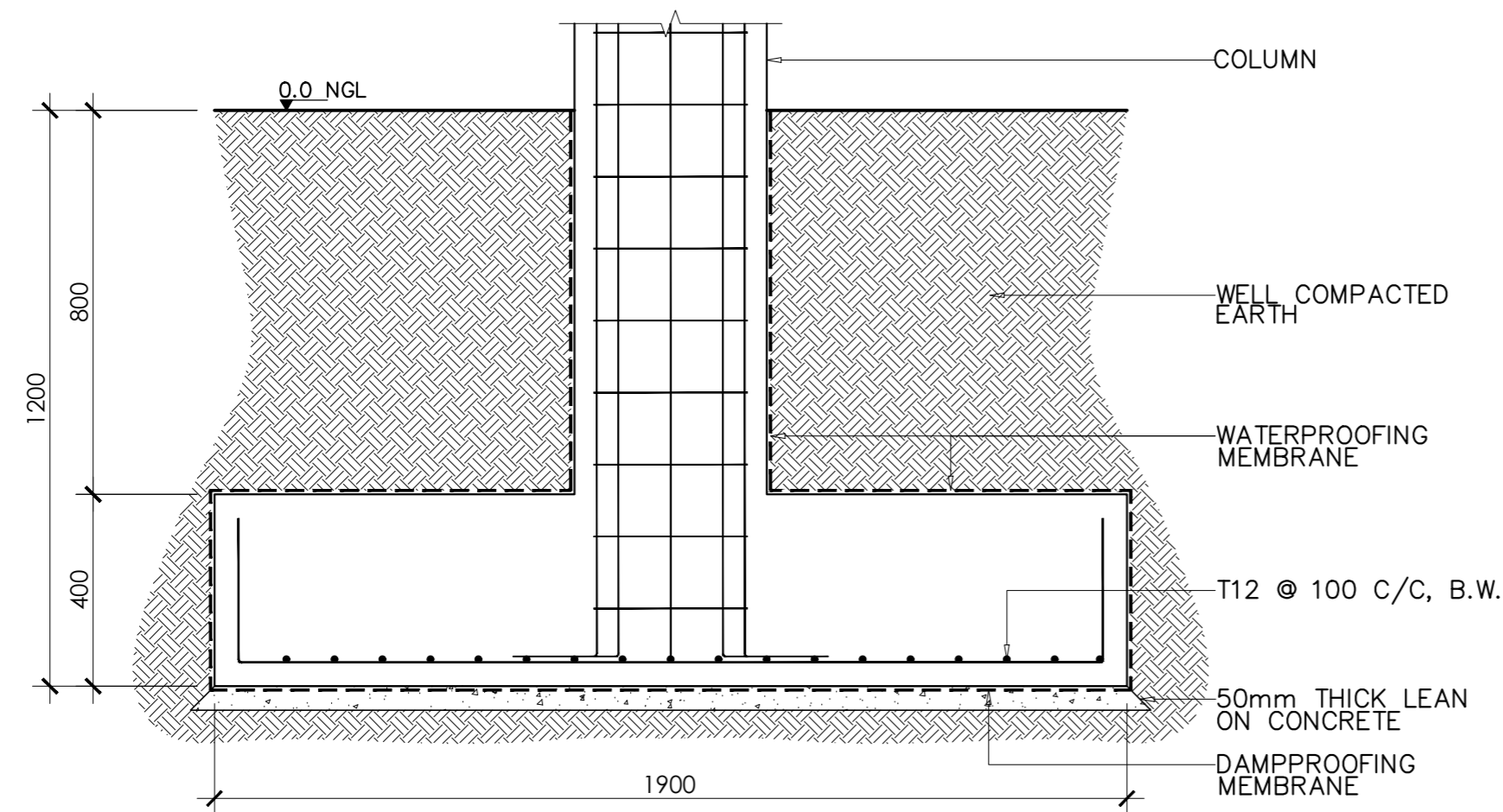
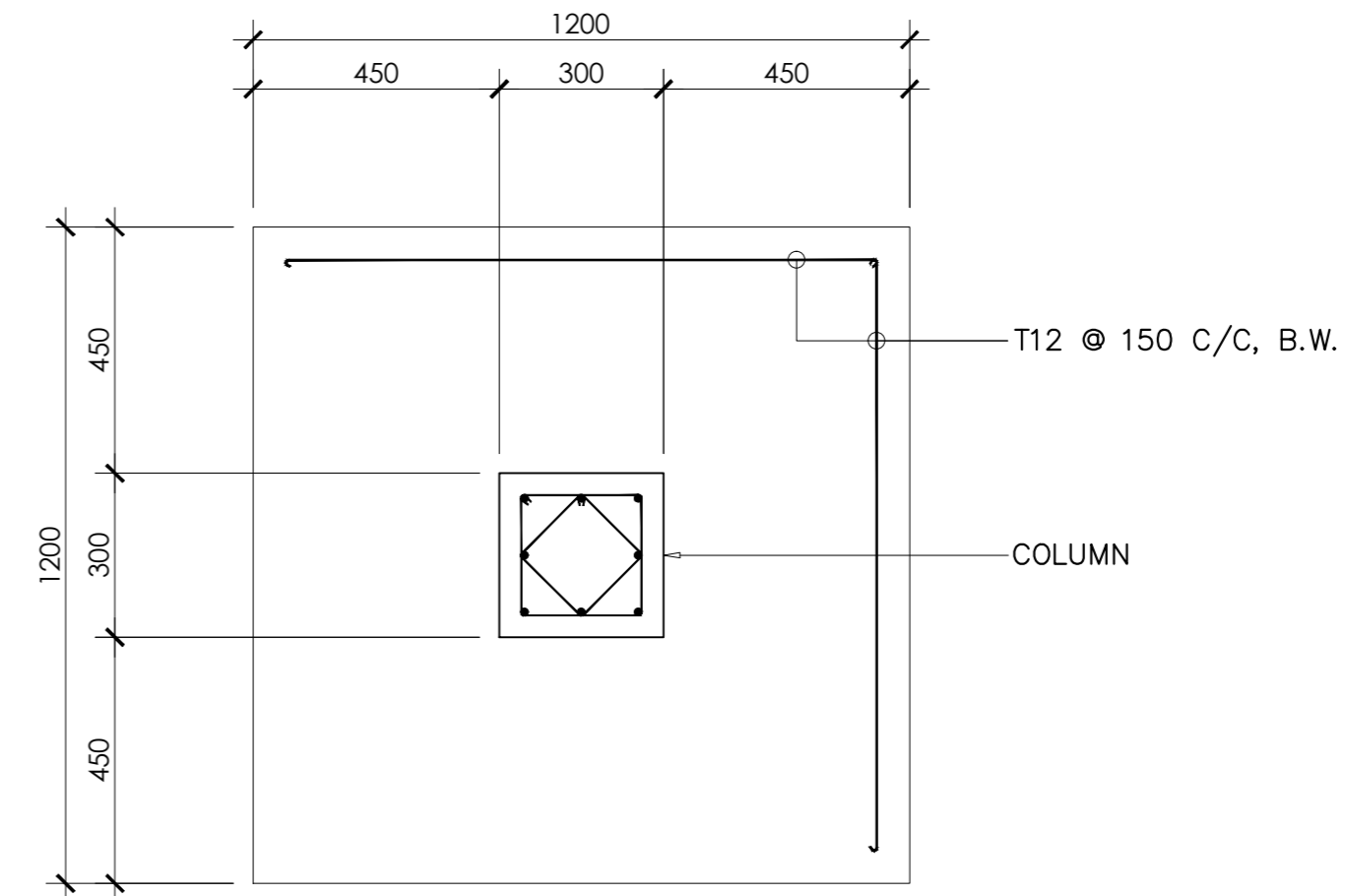
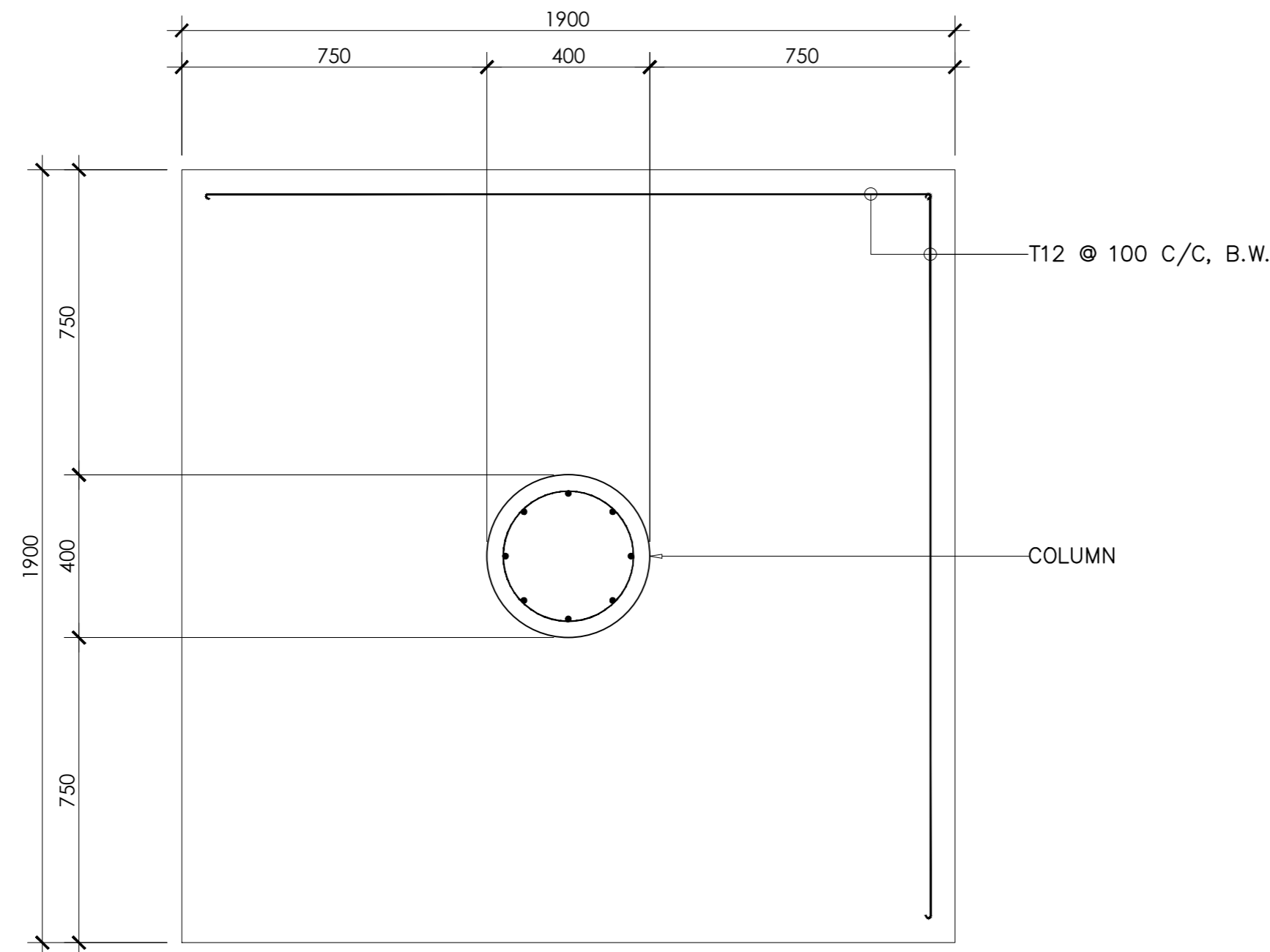
ROOF BEAM PLAN AT
LEVEL 5.6 & 7.1 METERS

CODE	DATE			DWG. NO:
COM-32	06-03-2021			ST07
FORMAT	A1	A2	A3	
SCALE	-	-	1:200	ISSUE A
PDF FILE NAME:	COM-32_I05_A			




ROOF SLAB REINFORCEMENT PLAN AT LEVEL 5.6 & 7.1 METERS
 SCALE 1:200

TOS = TOP OF SLAB
SLAB THICKNESS = 150MM
BOTTOM BARS = T10 @ 150 C/C, B.W.
 = 200MM THICK ROOF SLAB WITH
T10 @ 100 C/C, TOP AND BOTTOM BARS




GENERAL NOTES:

CONCRETE COVER TO REINF.
FOUNDATION, GROUND = 60MM
SLAB AND BEAM
SLAB TOP COVER = 25MM
SLAB BOTTOM COVER = 30MM
COVER TO BEAMS = 30-35MM
COVER TO COLUMNS = 40MM
LAPS = 4Ø (ØBAR)
CONCRETE MIX = 1:2:3

LIENT:
MINISTRY OF ISLAMIC AFFAIRS

DESIGN AND CONSULTANCY:
SIARCH
P R I V A T E L I M I T E D
LONGHATTAH, MANIKULAK 20205, MALDIVES
EMAIL: INFO@SIARCH.DESIGN
HTTP://WWW.SIARCH.DESIGN

KEY PLAN:



WARNING:

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REVISIONS

NO	DESCRIPTION	DATE
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[illegible]

PROJECT:

700 PAX MOSQUE
DESIGN

PHASE:

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DESIGNATION	NAME	SIGNATURE
PROJECT MANAGER	MOHAMED SIRAJ	
TR. ENGINEER		
CHIEF ARCHITECT		
CHECKED		
DRAWN	YASHIKA	

DWG. NAME:

STRUCTURAL

FOOTING DETAILS
(F1-F2)

CODE	DATE			DWG. NO:
COM-32	06-03-2021			ST08
FORMAT	A1	A2	A3	
SCALE	-	-	1:20	ISSUE A
PDF FILE NAME:	COM-32_I09_A			

CONCRETE COVER TO REINF.
FOUNDATION, GROUND = 60MM
SLAB AND BEAM
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COVER TO COLUMNS = 40MM
LAPS = 4Ø (ØBAR)
CONCRETE MIX = 1:2:3

[illegible]



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COVER TO COLUMNS = 40MM
LAPS = 45Ø (ØBAR)
CONCRETE MIX = 1: 2: 3

[illegible]

