

CONSTRUCTION AGENCY

- TOTAL NO. OF ROOMS- 48 NOS.**  
**(DOUBLE SEATER ROOM)**

**TOTAL PLINTH AREA-  
1525.6 SQ.M**

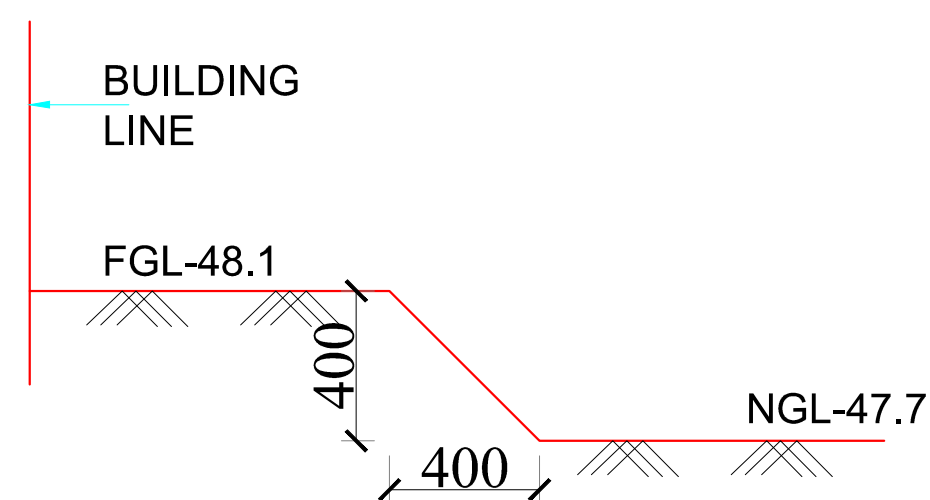
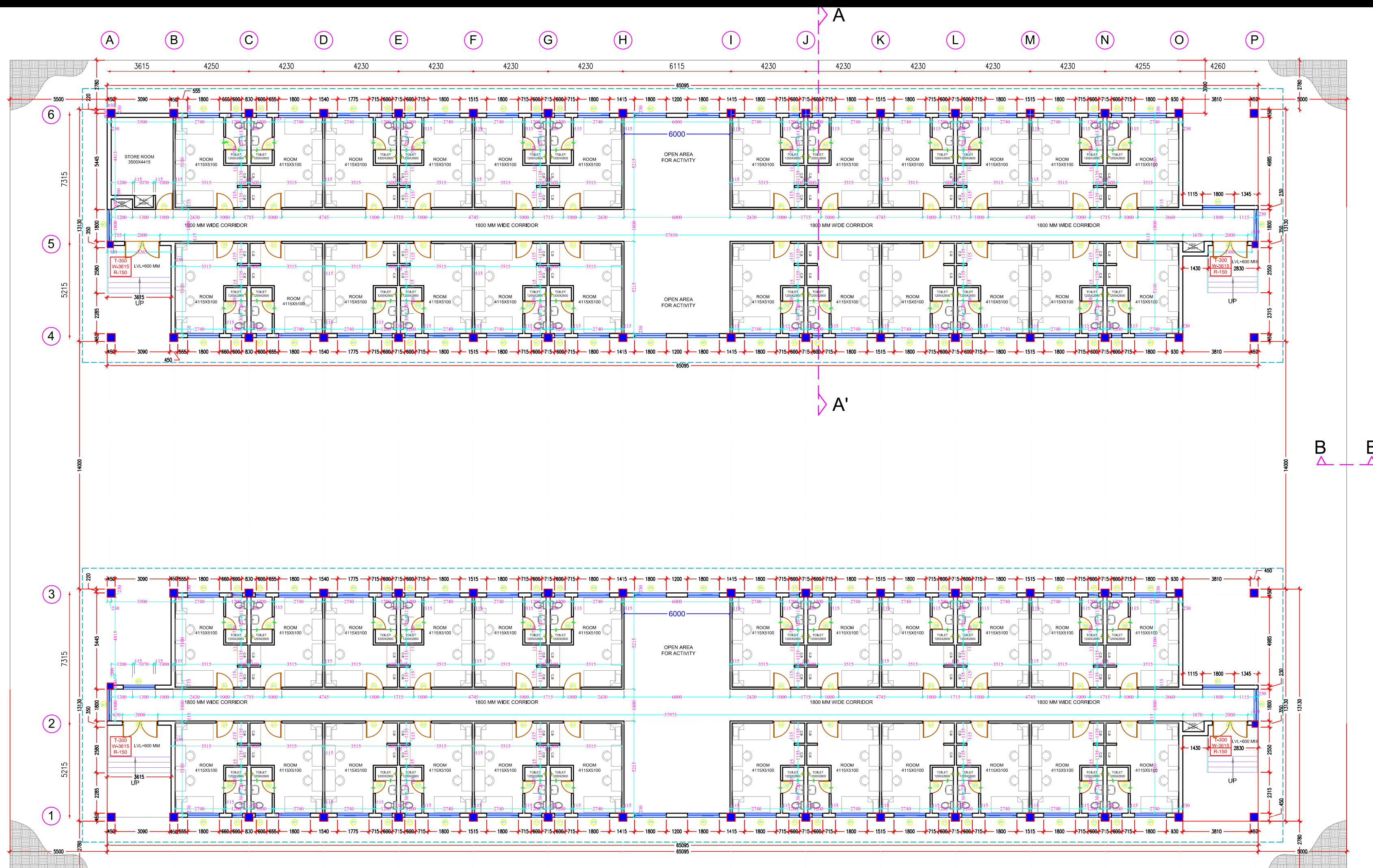
IIIT- G  
BONGORA, GUWAHATI-15

DWG. No.

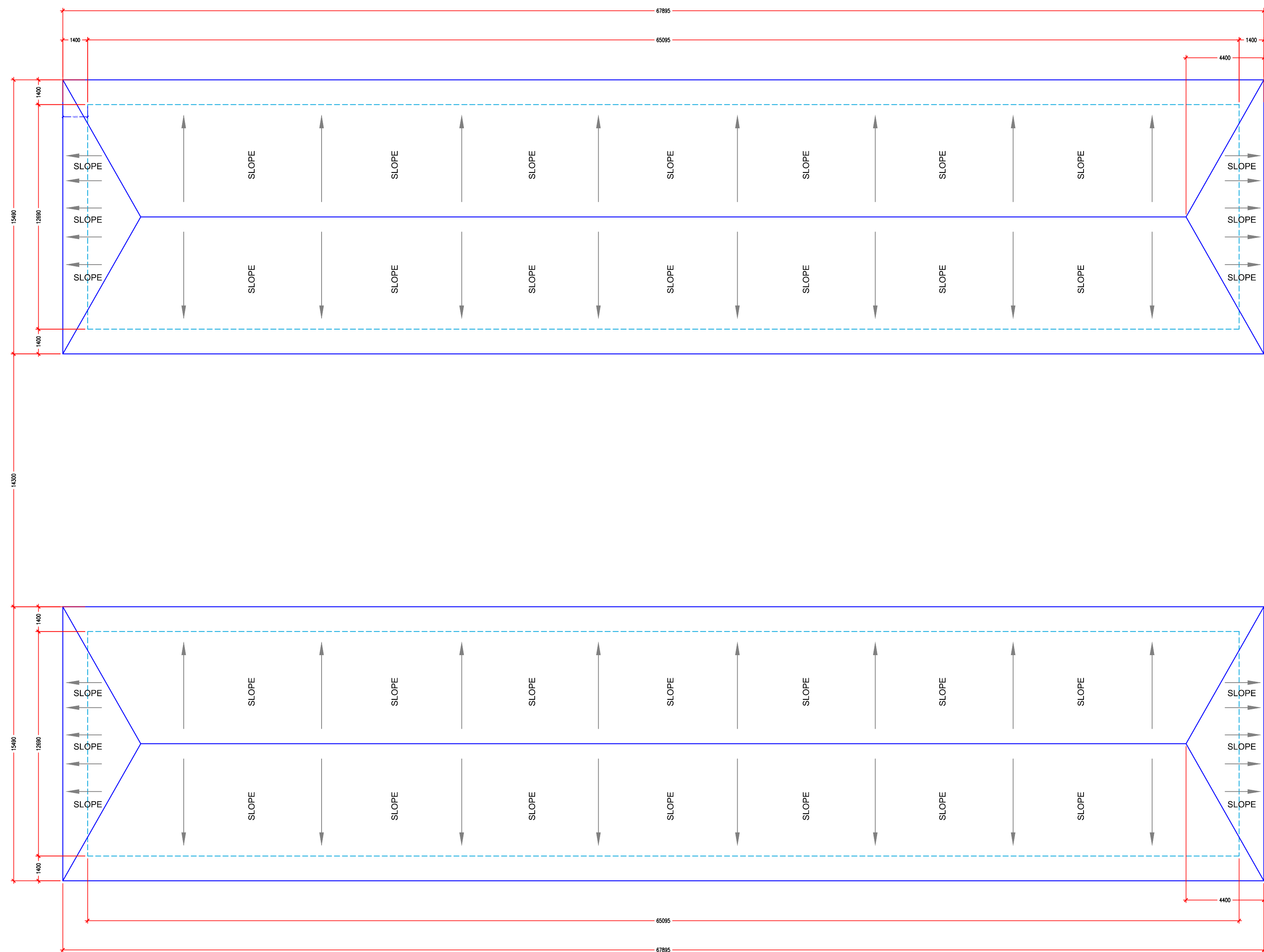
DATE	JULY-2021
SCALE	N.T.S.
DRAWN BY	AR.HANSHIKA
CHECKED BY	AR.ROHIT

## GROUND FLOOR PLAN(PHASE II)

FOR TENDER PURPOSE ONLY



SECTION B-B'



ROOF PLAN

FOR TENDER PURPOSE ONLY

ARCHITECTURAL DRAWING

CONSTRUCTION AGENCY

1. ALL DIMENSIONS ARE IN MM.
2. ONLY FIGURED DIMENSIONS SHOULD BE FOLLOWED.
3. INNER WALLS- 115 MM  
OUTER WALLS- 230 MM

**TOTAL NO. OF ROOMS- 48 NOS.**  
**(DOUBLE SEATER ROOM)**

**CAPACITY - 96 BEDDED**

**TOTAL PLINTH AREA-**  
**1525.6 SQ.M**

PROJECT TITLE

IIIT- G  
BONGORA, GUWAHATI-15

DRAWING TITLE

BOYS HOSTEL ROOF PLAN

DWG. No.

AR-BH-02

DATE

JULY-2021

SCALE

N.T.S.

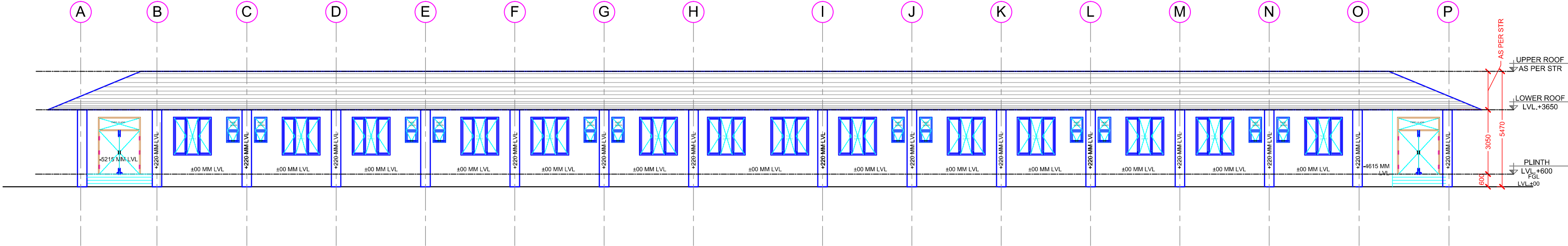
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AR.HANSHIKA

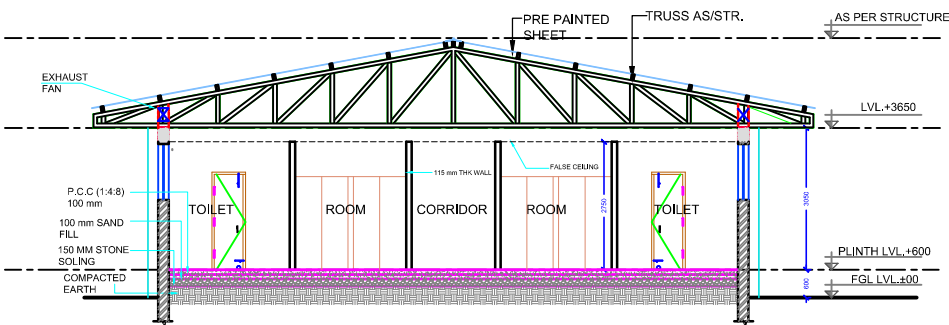
CHECKED BY

AR.ROHIT

ARCHITECT



FRONT ELEVATION



SECTION A-A'

ARCHITECTURAL DRAWING

CONSTRUCTION AGENCY

1. ALL DIMENSIONS ARE IN MM.
2. ONLY FIGURED DIMENSIONS SHOULD BE FOLLOWED.
3. INNER WALLS- 115 MM  
OUTER WALLS- 230 MM

TOTAL NO. OF ROOMS- 48 NOS.  
(DOUBLE SEATER ROOM)

CAPACITY - 96 BEDDED

TOTAL PLINTH AREA-  
1525.6 SQ.M

PROJECT TITLE

IIIT- G  
BONGORA, GUWAHATI-15

DRAWING TITLE

BOYS HOSTEL  
ELEVATION & SECTION

DWG. No.

AR-BH-03

DATE

JULY-2021

SCALE

N.T.S.

DRAWN BY

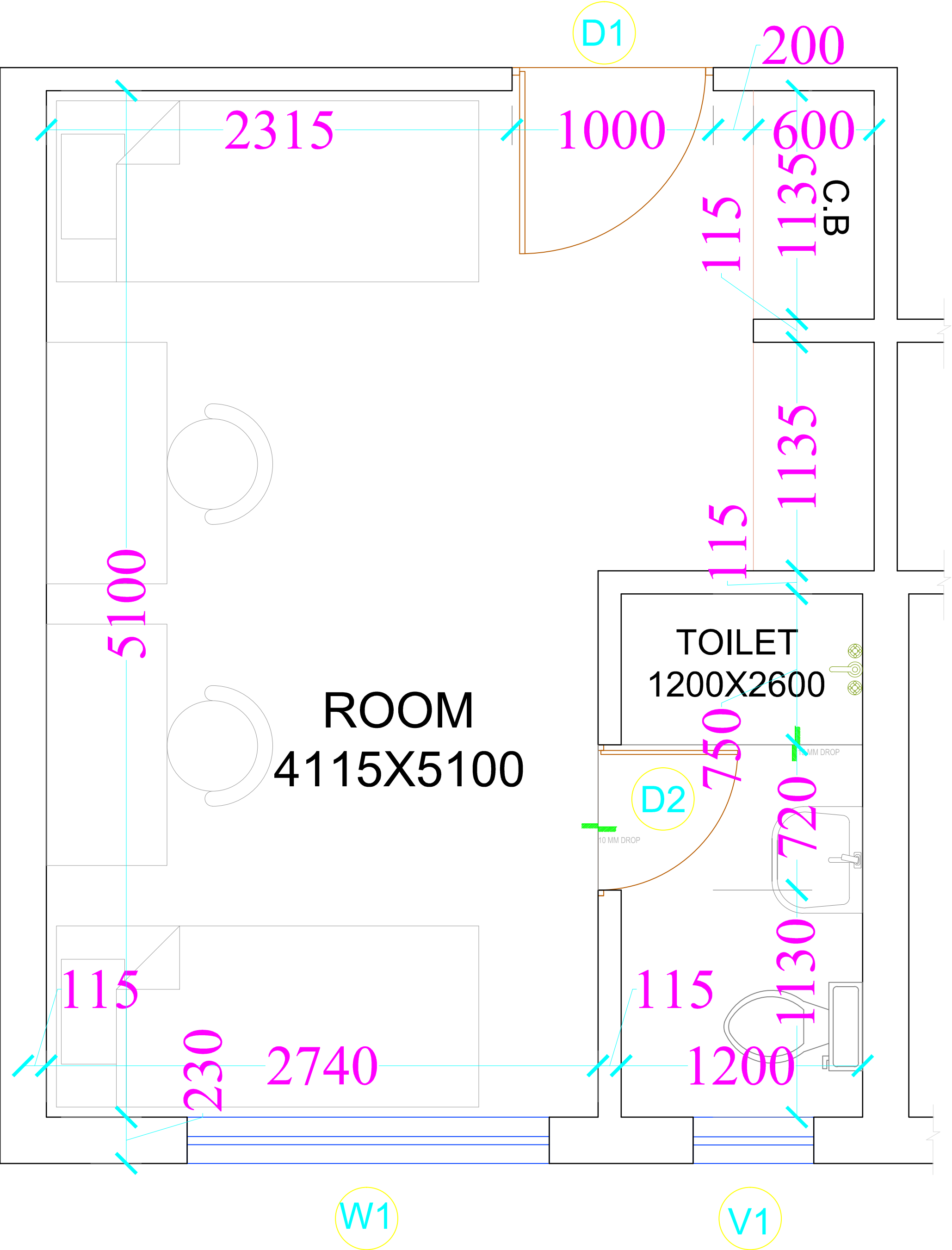
AR.HANSHIKA

CHECKED BY

AR.ROHIT

ARCHITECT

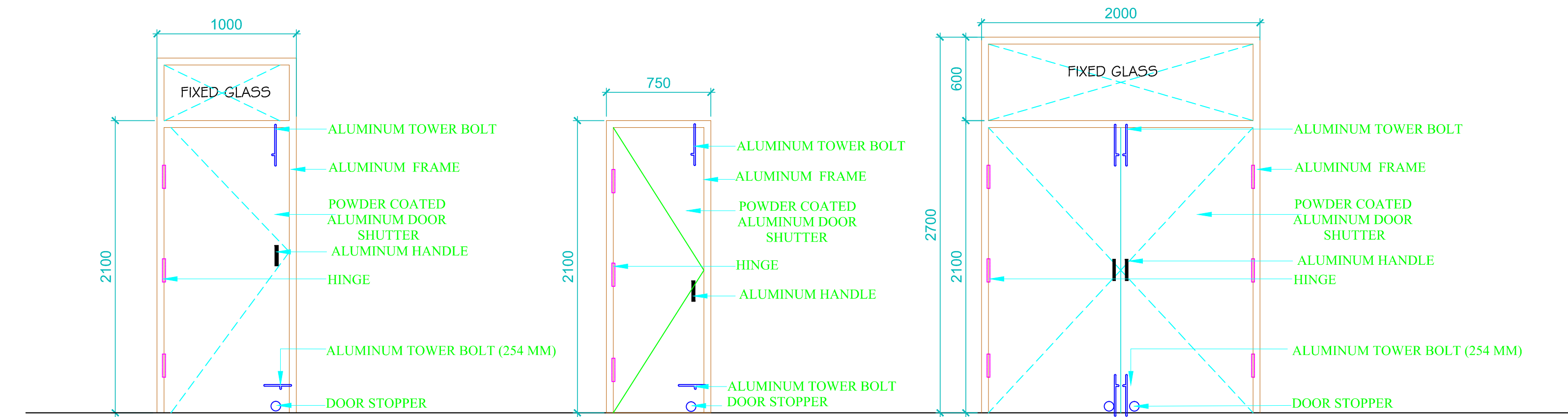
FOR TENDER PURPOSE ONLY



# UNIT PLAN

FOR TENDER PURPOSE ONLY

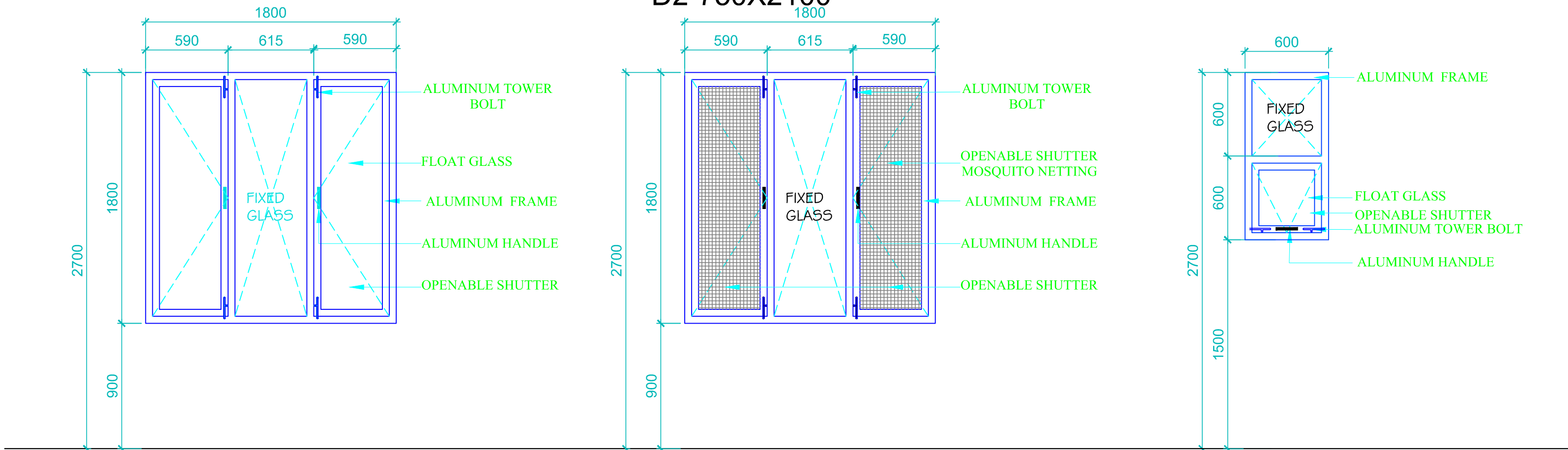
ARCHITECTURAL DRAWING	
CONSTRUCTION AGENCY	
<div>1. ALL DIMENSIONS ARE IN MM.</div> <div>2. ONLY FIGURED DIMENSIONS SHOULD BE FOLLOWED.</div> <div>3. INNER WALLS- 115 MM</div> <div>OUTER WALLS- 230 MM</div>	
<div>TOTAL NO. OF ROOMS- 48 NOS.</div> <div>(DOUBLE SEATER ROOM)</div>	
CAPACITY - 96 BEDDED	
<div>TOTAL PLINTH AREA-</div> <div>1525.6 SQ.M</div>	
PROJECT TITLE	
IIIT- G BONGORA, GUWAHATI-15	
DRAWING TITLE	
BOYS HOSTEL UNIT PLAN	
	DWG. No.
	AR-BH-04
DATE	JULY-2021
SCALE	N.T.S.
DRAWN BY	AR.HANSHIKA
CHECKED BY	AR.ROHIT
ARCHITECT	



DOOR  
D1-1000X2550

DOOR  
D2-750X2100

DOOR  
D3-2000X2550



WINDOW(OUTSIDE)  
W1-1800X1800

WINDOW(INSIDE)  
W1-1800X1800

VENTILATOR  
V1-600X1200

S.NO.	SYMBOL	SIZE	SILL	LINTEL
1.	D1	1000X2550MM	-	2700MM
2.	D2	750X2100MM	-	2100MM
3.	D3	2000X2550MM	-	2550MM
4.	W1	1800X1800MM	900MM	2700MM
5.	V	600X1200MM	1500MM	2700MM

FOR TENDER PURPOSE ONLY

ARCHITECTURAL DRAWING

CONSTRUCTION AGENCY

PROJECT TITLE

IIIT- G  
BONGORA, GUWAHATI-15

DRAWING TITLE

BOYS' HOSTEL  
DOOR & WINDOW SCHEDULE

DWG. No.

AR-DW-01

DATE

SEP-2021

SCALE

N.T.S.

DRAWN BY

AR.HANSHIKA

CHECKED BY

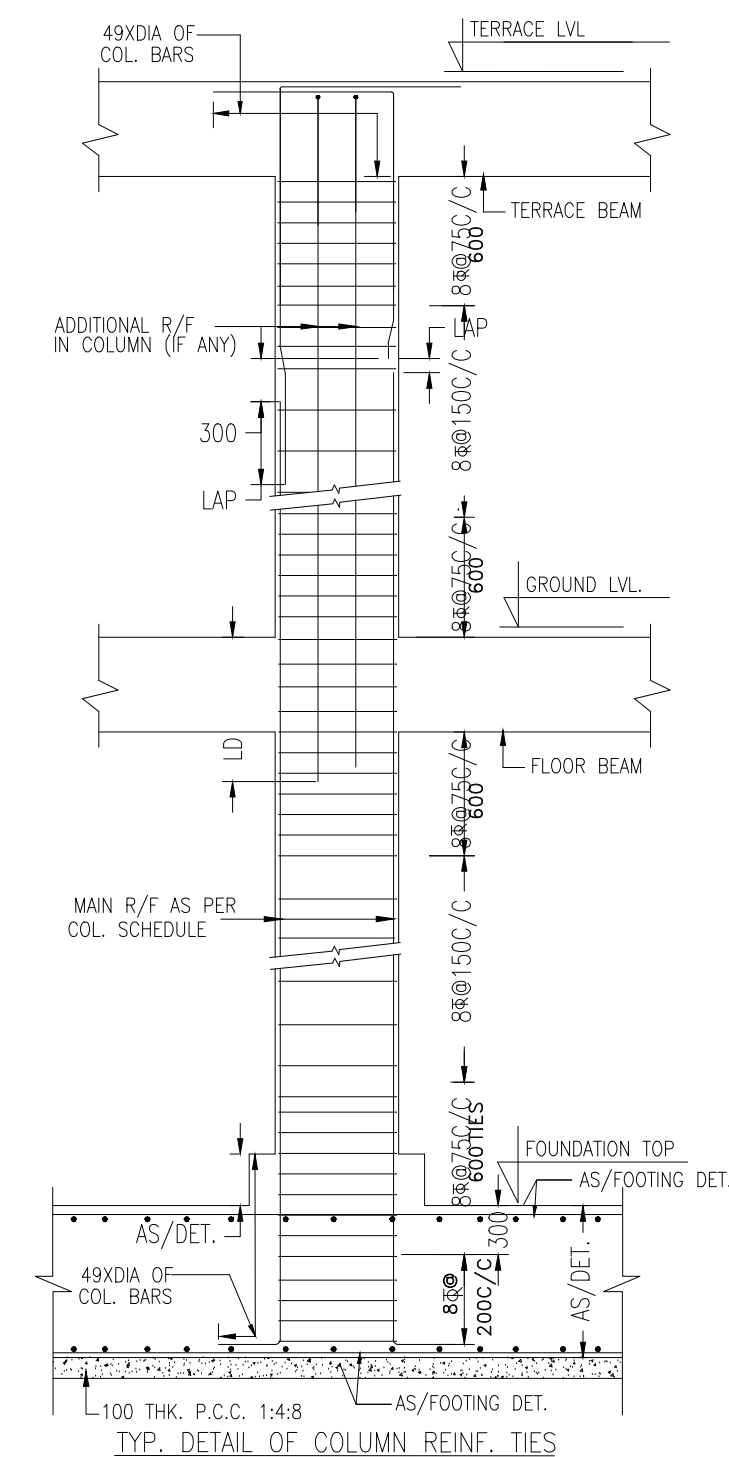
AR.ROHIT

ARCHITECT





TIES AS/TYP.DETAIL			
SIZE	450x450	350X350	350X350
VER. BARS	8-16 $\frac{1}{2}$ @ 12 $\frac{1}{2}$	6-20 $\frac{1}{2}$ @ 12 $\frac{1}{2}$	10-20 $\frac{1}{2}$
TIES	AS/SECTION	AS/SECTION	AS/SECTION
CONC. MIX	M25	M25	M25
FROM FOUND. TO TOP ARC. LVL.			
LVL.	C1	C2	C3



NO	NOTES
1.	THIS DRG SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCH. & SERVICES DRGS.
2.	THIS BLDG. IS DESIGNED FOR GROUND FLOOR ONLY.
3.	SAFE BEARING CAP. IS TAKEN AS 8.0 T/M <sup>2</sup> AT 1.5M DEEP.
4.	ALL LOOSE POCKETS FOUND IN EXCAVATION SHALL BE REPLACED BY LEAN CONC. (1:4:8).
5.	CONC. MIX M-25 FOR ALL RCC WORK U.N.O.
6.	CLEAR COVER TO OUTER BARS SHALL BE AS FOLLOW:- FTG= 50, COLS.=40, BEAMS=25, SLABS = 20MM.
7.	LAP LENGTH FOR ALL BARS SHALL BE 49X DIA OF BARS.
8.	200TH. & 100MM TH. BLOCK WORK SHALL BE IN CEM. SAND 1:6 & 1:4 RESPECTIVELY.
9.	HIGH STRENGTH DEFORMED BARS OF YIELD STRENGTH 500 N/mm <sup>2</sup> SHALL BE USED AS REINF. FOR ALL RCC WORK.
10.	FOR DESIGN PURPOSES SEISMIC ZONE-V AS PER IS1893 IS CONSIDERED.

ARCHITECTS:

CLIENT:

III T- G  
BONGORA, GUWAHATI-15

STRUCTURAL CONSULTANT.

	PROJECT.
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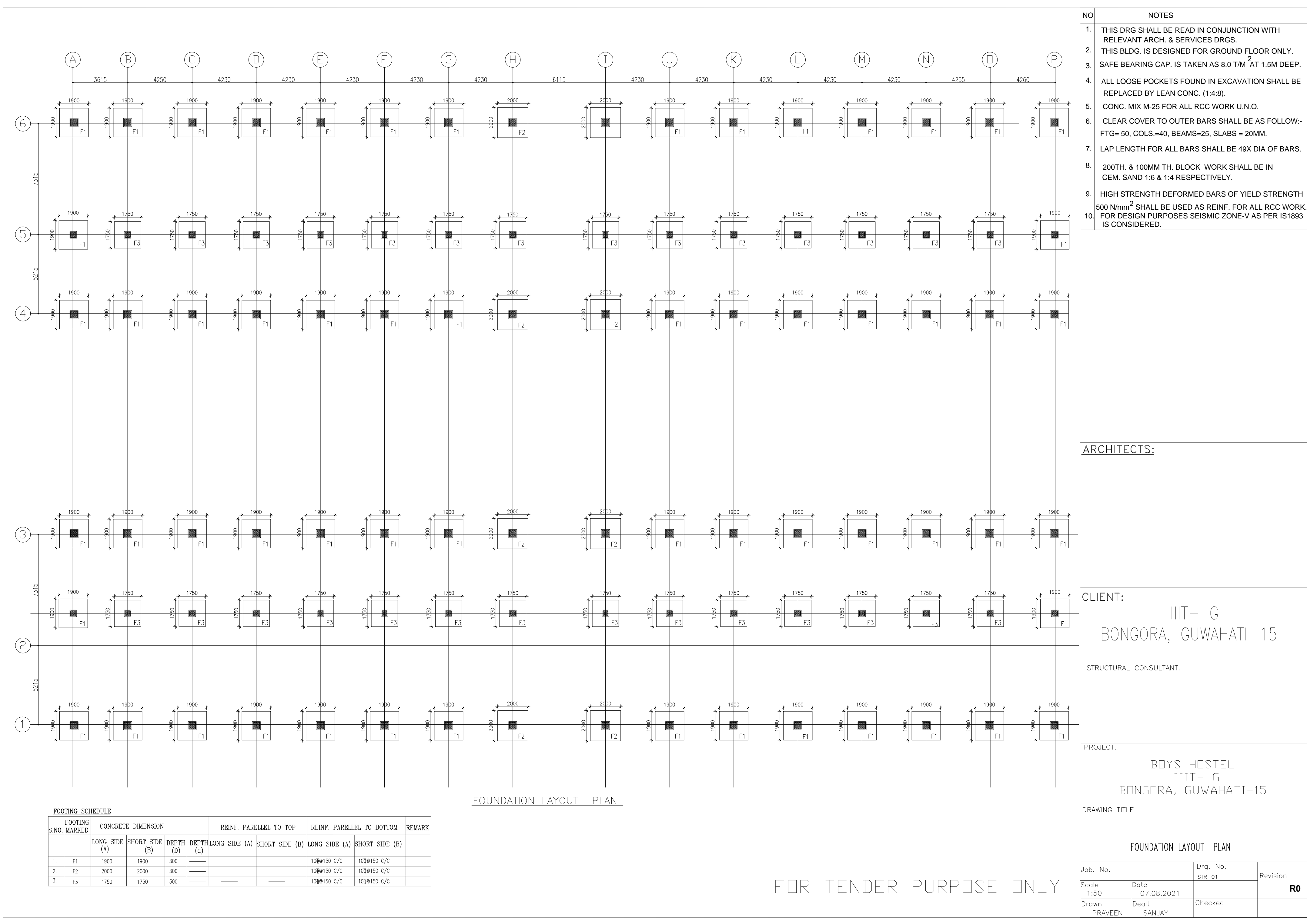
BOYS HOSTEL  
IIIT- G  
BONGORA, GUWAHATI-15

DRAWING TITLE
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## FOUNDATION DETAILS

Job. No.		Drg. No. STR-01	Revision  <b>R0</b>
Scale 1:50	Date 07.08.2021		
Drawn PRAVEEN	Dealt SANJAY	Checked	

FOR TENDER PURPOSE ONLY



- NO
- NOTES
1.

THIS DRG SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCH. & SERVICES DRGS.
2.

THIS BLDG. IS DESIGNED FOR GROUND FLOOR ONLY.
3.

SAFE BEARING CAP. IS TAKEN AS 8.0 T/M<sup>2</sup> AT 1.5M DEEP.
4.

ALL LOOSE POCKETS FOUND IN EXCAVATION SHALL BE REPLACED BY LEAN CONC. (1:4:8).
5.

CONC. MIX M-25 FOR ALL RCC WORK U.N.O.
6.

CLEAR COVER TO OUTER BARS SHALL BE AS FOLLOW:-  
FTG= 50, COLS.=40, BEAMS=25, SLABS = 20MM.
7.

LAP LENGTH FOR ALL BARS SHALL BE 49X DIA OF BARS.
8.

200TH. & 100MM TH. BLOCK WORK SHALL BE IN CEM. SAND 1:6 & 1:4 RESPECTIVELY.
9.

HIGH STRENGTH DEFORMED BARS OF YIELD STRENGTH 500 N/mm<sup>2</sup> SHALL BE USED AS REINF. FOR ALL RCC WORK.
10.

FOR DESIGN PURPOSES SEISMIC ZONE-V AS PER IS1893 IS CONSIDERED.

ARCHITECTS:

CLIENT:

IIIT- G  
BONGORA, GUWAHATI-15

STRUCTURAL CONSULTANT.

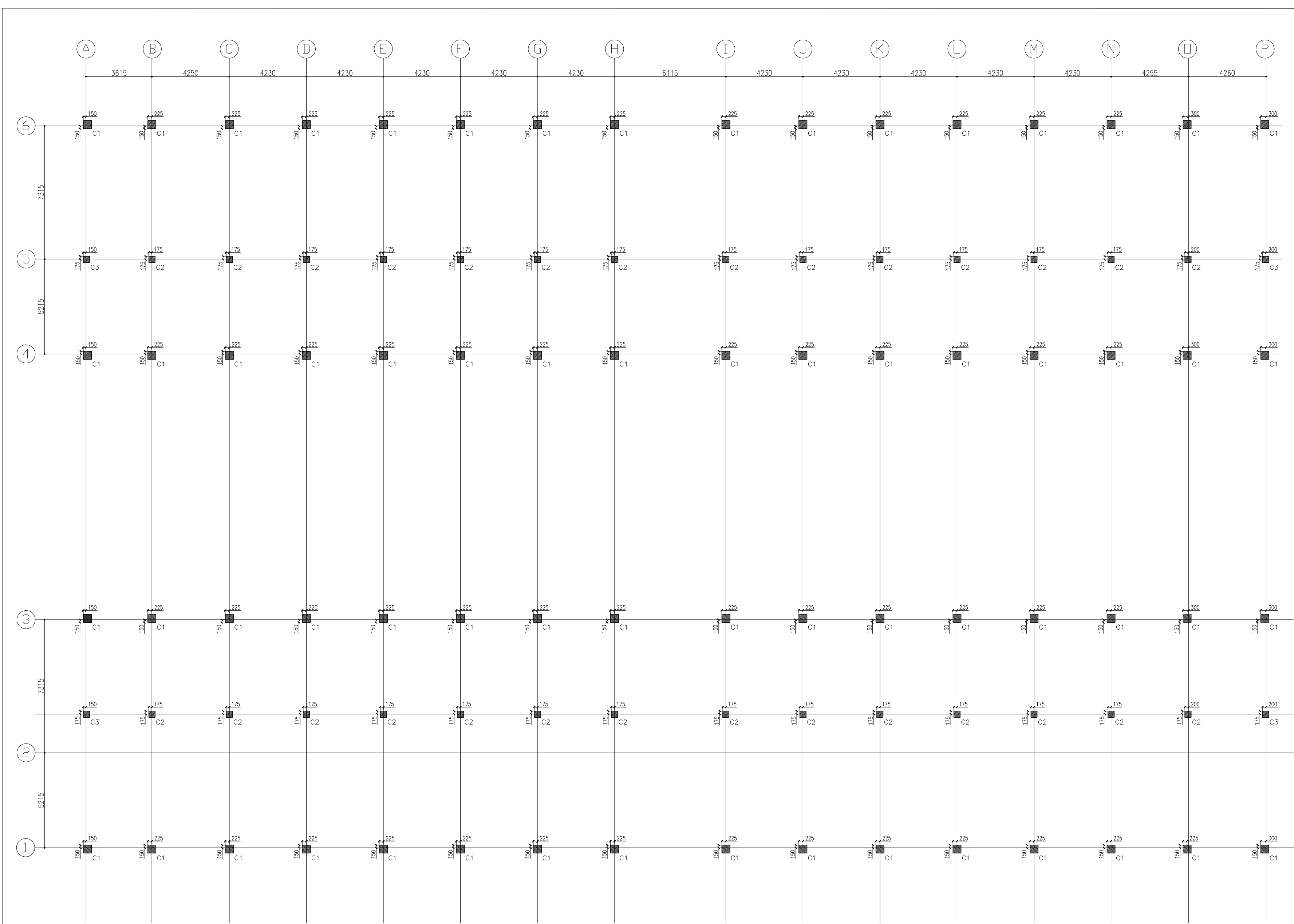
PROJECT.

BOYS HOSTEL  
IIIT- G  
BONGORA, GUWAHATI-15

DRAWING TITLE

FOUNDATION LAYOUT PLAN

Job. No.		Drg. No. STR-01	Revision <b>R0</b>
Scale 1:50	Date 07.08.2021		
Drawn PRAVEEN	Dealt SANJAY	Checked	

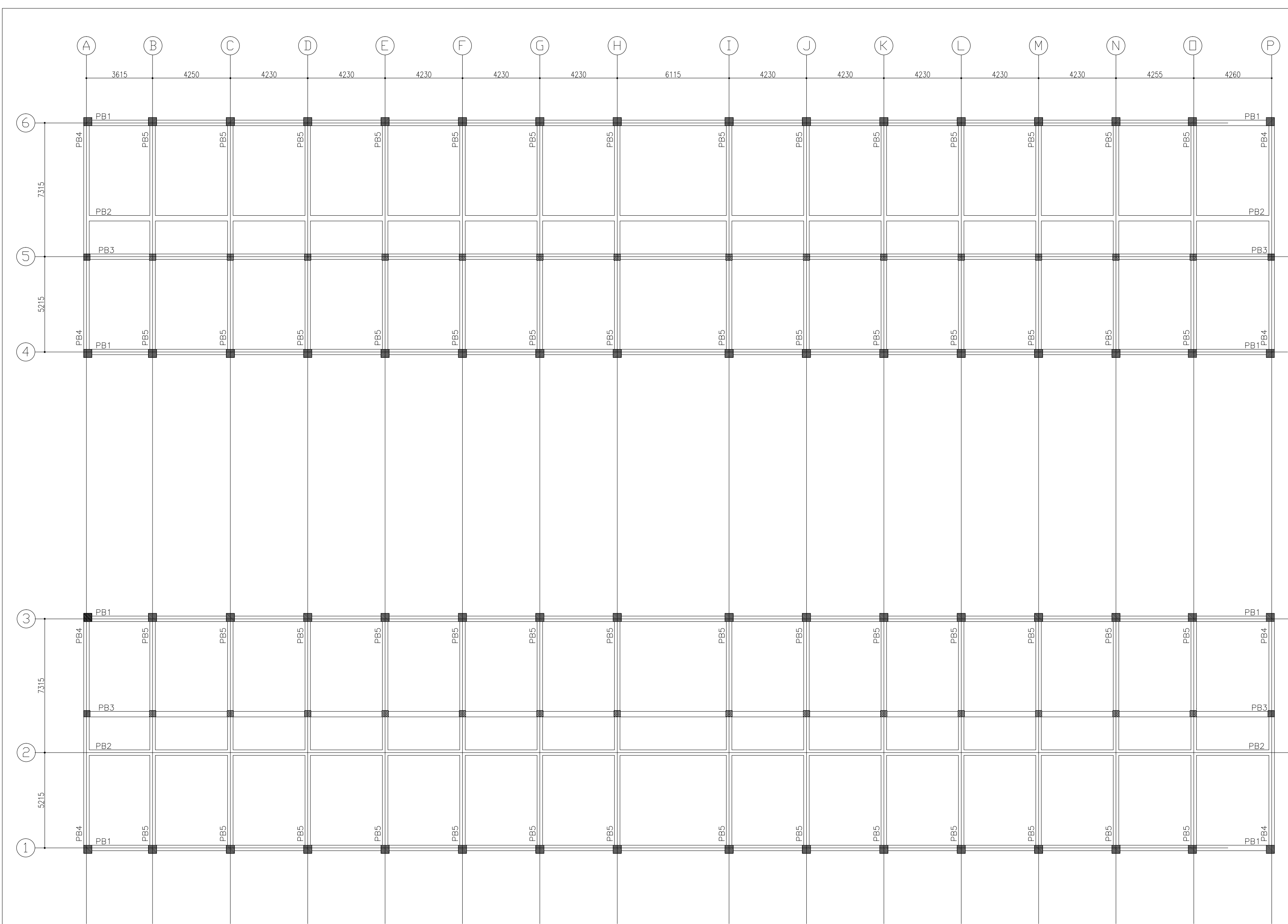


COLUMN LAYOUT PLAN

NO	NOTES
1.	THIS DRG SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCH. & SERVICES DRGS.
2.	THIS BLDG. IS DESIGNED FOR GROUND FLOOR ONLY.
3.	SAFE BEARING CAP. IS TAKEN AS 8.0 T/M <sup>2</sup> AT 1.5M DEEP.
4.	ALL LOOSE POCKETS FOUND IN EXCAVATION SHALL BE REPLACED BY LEAN CONC. (1:4:8).
5.	CONC. MIX M-25 FOR ALL RCC WORK U.N.O.
6.	CLEAR COVER TO OUTER BARS SHALL BE AS FOLLOW:- FTG= 50, COLS.=40, BEAMS=25, SLABS = 20MM.
7.	LAP LENGTH FOR ALL BARS SHALL BE 49X DIA OF BARS.
8.	200TH. & 100MM TH. BLOCK WORK SHALL BE IN CEM. SAND 1:6 & 1:4 RESPECTIVELY.
9.	HIGH STRENGTH DEFORMED BARS OF YIELD STRENGTH 500 N/mm <sup>2</sup> SHALL BE USED AS REINF. FOR ALL RCC WORK.
10.	FOR DESIGN PURPOSES SEISMIC ZONE-V AS PER IS1893 IS CONSIDERED.

FOR TENDER PURPOSE ONLY





PLINTH LVL FRAMING PLAN  
ALL BEAM SIZE 300x450

NO	NOTES
1.	THIS DRG SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCH. & SERVICES DRGS.
2.	THIS BLDG. IS DESIGNED FOR GROUND FLOOR ONLY.
3.	SAFE BEARING CAP. IS TAKEN AS 8.0 T/M <sup>2</sup> AT 1.5M DEEP.
4.	ALL LOOSE POCKETS FOUND IN EXCAVATION SHALL BE REPLACED BY LEAN CONC. (1:4:8).
5.	CONC. MIX M-25 FOR ALL RCC WORK U.N.O.
6.	CLEAR COVER TO OUTER BARS SHALL BE AS FOLLOW:- FTG= 50, COLS.=40, BEAMS=25, SLABS = 20MM.
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8.	200TH. & 100MM TH. BLOCK WORK SHALL BE IN CEM. SAND 1:6 & 1:4 RESPECTIVELY.
9.	HIGH STRENGTH DEFORMED BARS OF YIELD STRENGTH 500 N/mm <sup>2</sup> SHALL BE USED AS REINF. FOR ALL RCC WORK.
10.	FOR DESIGN PURPOSES SEISMIC ZONE-V AS PER IS1893 IS CONSIDERED.

ARCHITECTS:

CLIENT:  
IIIT- G  
BONGORA, GUWAHATI-15

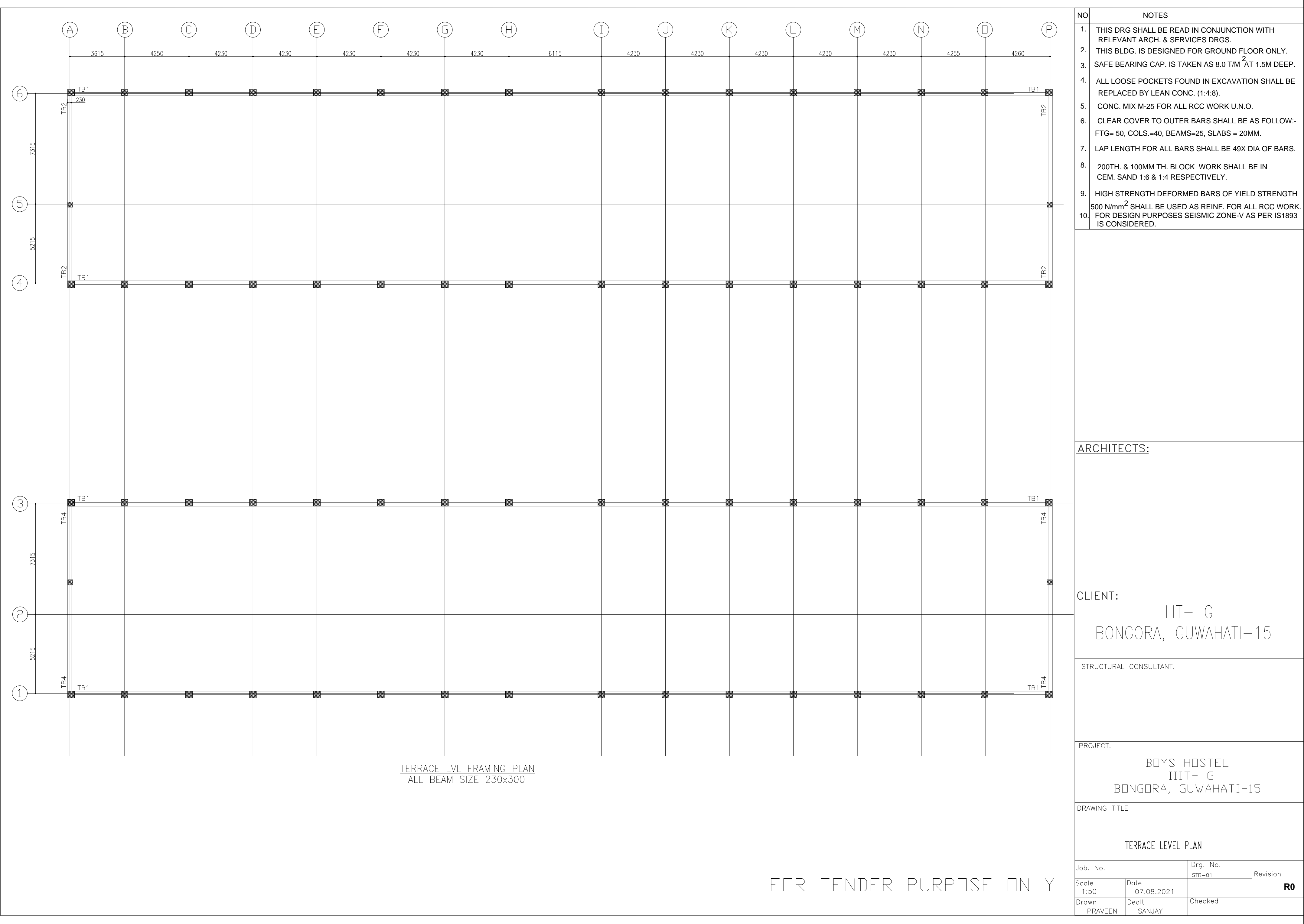
STRUCTURAL CONSULTANT.

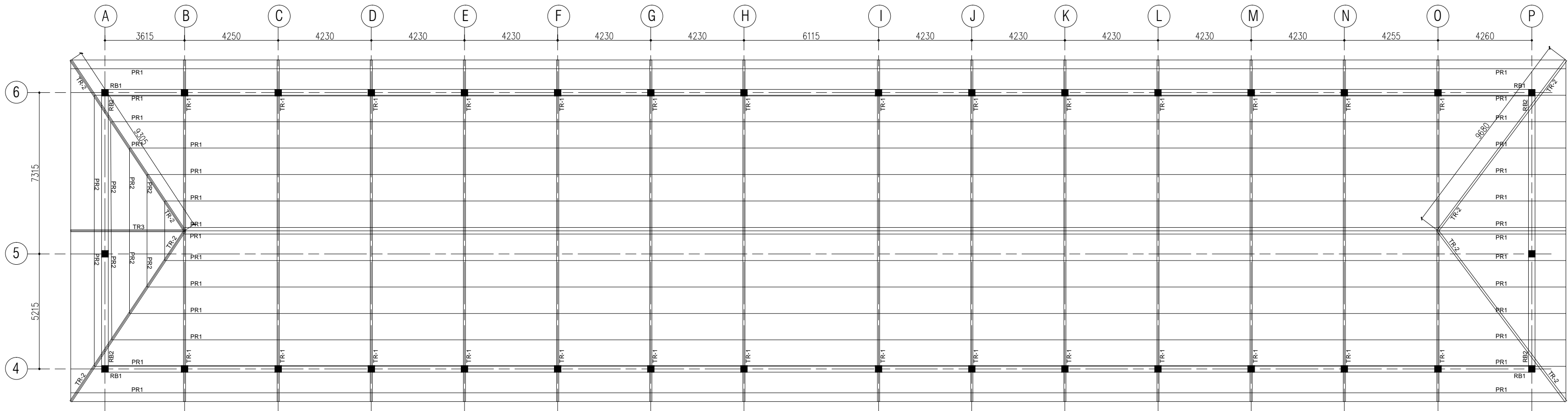
PROJECT.  
BOYS HOSTEL  
IIIT- G  
BONGORA, GUWAHATI-15

DRAWING TITLE  
PLINTH LEVEL PLAN

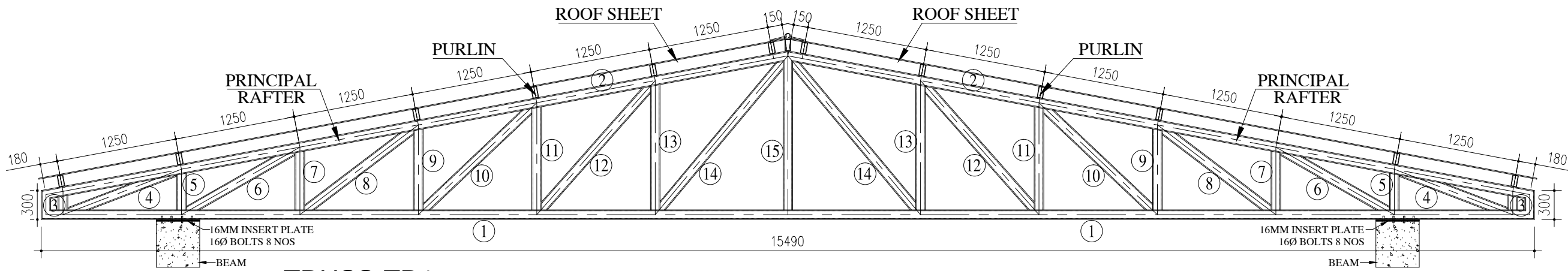
Job. No.		Drg. No. STR-01	Revision <b>R0</b>
Scale 1:50	Date 07.08.2021		
Drawn PRAVEEN	Dealt SANJAY	Checked	

FOR TENDER PURPOSE ONLY

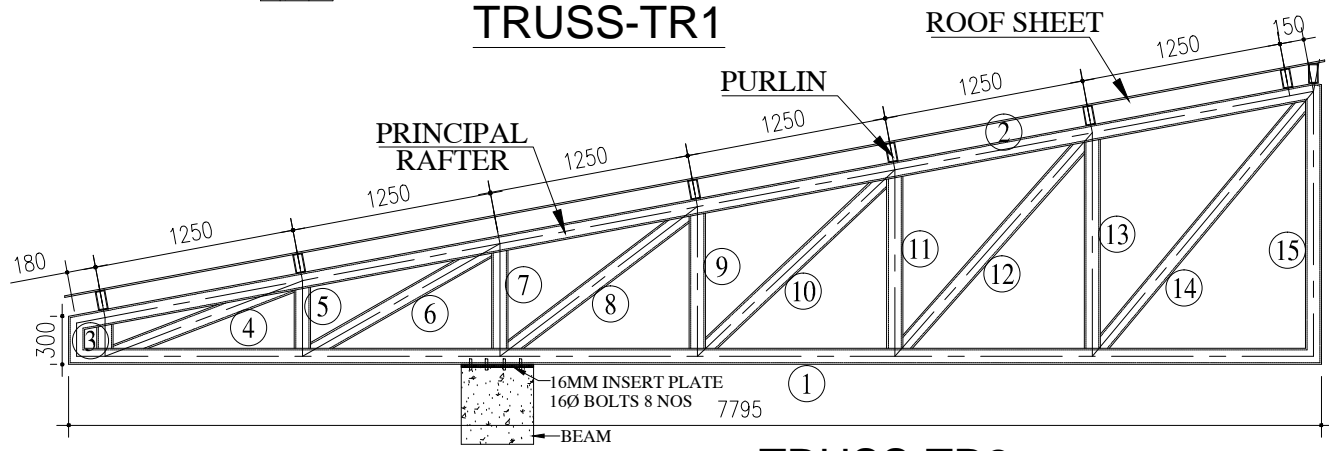




TRUSS PLAN

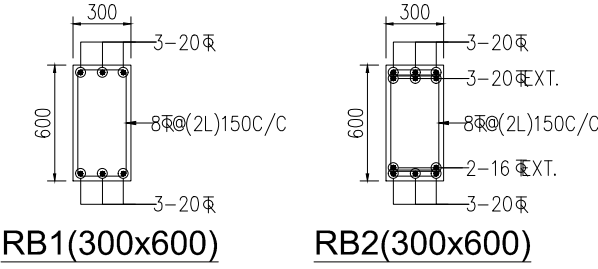


TRUSS-TR1



TRUSS-TR2

SCHEDULE FOR TRUSS MEMBER	
MEMBER	DESCRIPTION
① TO ⑮	SHS 80X80X3.6
PURLIN PR 1	RHS 122X61X3.2



- NO. NOTES
- EXECUTING AGENCY SHOULD CHECK AND VERIFY ALL DIMENSIONS WITH RELEVANT ARCH DRAWINGS BEFORE EXECUTION OF THE WORKS.
  - ALL DIMENSIONS ARE GIVEN IN MILLIMETERS(MM), UNLESS NOTED OTHERWISE.
  - ONLY FIGURED DIMENSIONS SHALL BE FOLLOWED.
  - STEEL FOR STRUCTURAL SECTIONS EX- ANGLES,CHANNELS,BEARING PLATES, GUSSET PLATES & FLAT IRON SHALL BE HOT ROLLED HIGH TENSILE STRUCTURAL STEEL OF 350 MPa CONFORMING TO IS 2062-2011
  - GENERAL CONSTRUCTION IN STEEL WORK SHALL BE AS PER IS:800-2007
  - FABRICATION SHALL BE CARRIED OUT IN THE MANNER AS SPECIFIED IN IS:800-2007
  - ALL WELDING SHALL BE DONE BY METAL ARC PROCESS IN ACCORDANCE WITH IS:816-1969. THE WELDS SHALL BE INSPECTED ACCORDING TO IS:822-1970.
  - ALL WELDS SHALL BE FILLET WELD OF THICKNESS GIVEN BELOW  
FOR 6MM TH. MEMBERS - 4.5 MM  
FOR 8MM TH. MEMBERS - 6 MM  
FOR 10MM TH. MEMBERS - 8 MM  
FOR 12MM TH. MEMBERS - 10 MM
  - PURLINS SHALL NOT BE SPLICED IN ANY SPAN.
  - AXIS OF WEB OF THE PURLIN SHALL BE PLACED AT 90° TO THE AXIS OF MAIN RAFTER OF THE TRUSS.
  - ALL GUSSET PLATES FOR TRUSS & BRACING SHALL BE 8 MM THK.
  - TRUSSES SHALL BE FABRICATED AFTER MAKING THEIR FULL SCALE CENTRE LINE LAYOUT PLAN IN GROUND/PLATFORM.
  - SHEET ROOFING OVER THE TRUSSES WILL BE OF 0.63 MM CORRUGATED GALVANISED IRON SHEETS OR PREPAINTED COLOURED ENGINEERING METAL SHEETS LAID TO SLOPE SHOWN IN DRG.  
WIND TIE SHALL BE OF 40X6 MM FLAT IRON BOLTED & SCREWED AS SHOWN NEAR THE TOE & RIDGE.
  - DIMENSIONS & WEIGHTS OF HOT ROLLED STEELS SECTION SHALL BE AS PER IS:808-2004.
  - HOLDING DOWN BOLTS WILL CONFORM TO IS 4000:2003 & THESE WILL BE EMBEDDED IN EXACT POSITION IN RCC WORK WHILE CASTING THE CONCRETE.
  - GENERAL REQUIREMENTS OF PAINTING THE STEEL WORK AS SPECIFIED IN CLAUSE 11 OF IS 800 SHALL BE MET. NUMBER OF COATS SHALL BE AS SPECIFIED IN CA.
  - FOR SITE ERECTION OF TRUSSES & PURLINS,REQUIREMENTS LAID DOWN IN CLAUSE 11.9 OF IS 800:2007 SHALL BE MET.
  - ANGLE OF MIN:15 SHALL BE MAINTAINED B/W LONGITUDINAL AXIS OF TRUSS MEMBERS & EDGE LINE OF GUSSET PLATES IN ALL CONNECTIONS.
  - TWO NO'S WIND TIES EACH OF FLAT IRON 40X6MM WILL BE PROVIDED IN EACH SIDE OF SLOPING ROOF,ONE OF THE WIND TIE WILL BE NEAR EAVES END & OTHER NEAR THE RIDGE AS INDICATED IN DETAILS.
  - JOINTING DETAILS SHOWN ARE TYPICAL & THESE WILL BE ADOPTED FOR OTHER SIMILAR SITUATIONS ALSO.
  - ALL CLEATS, BASE PLATES, INSERT PLATES AND OTHER SIMILAR FITMENTS WILL BE WELDED ALL AROUND TO FULL LENGTH.

s.no.	date	description

REVISIONS

CONSTRUCTION AGENCY

ARCHITECT

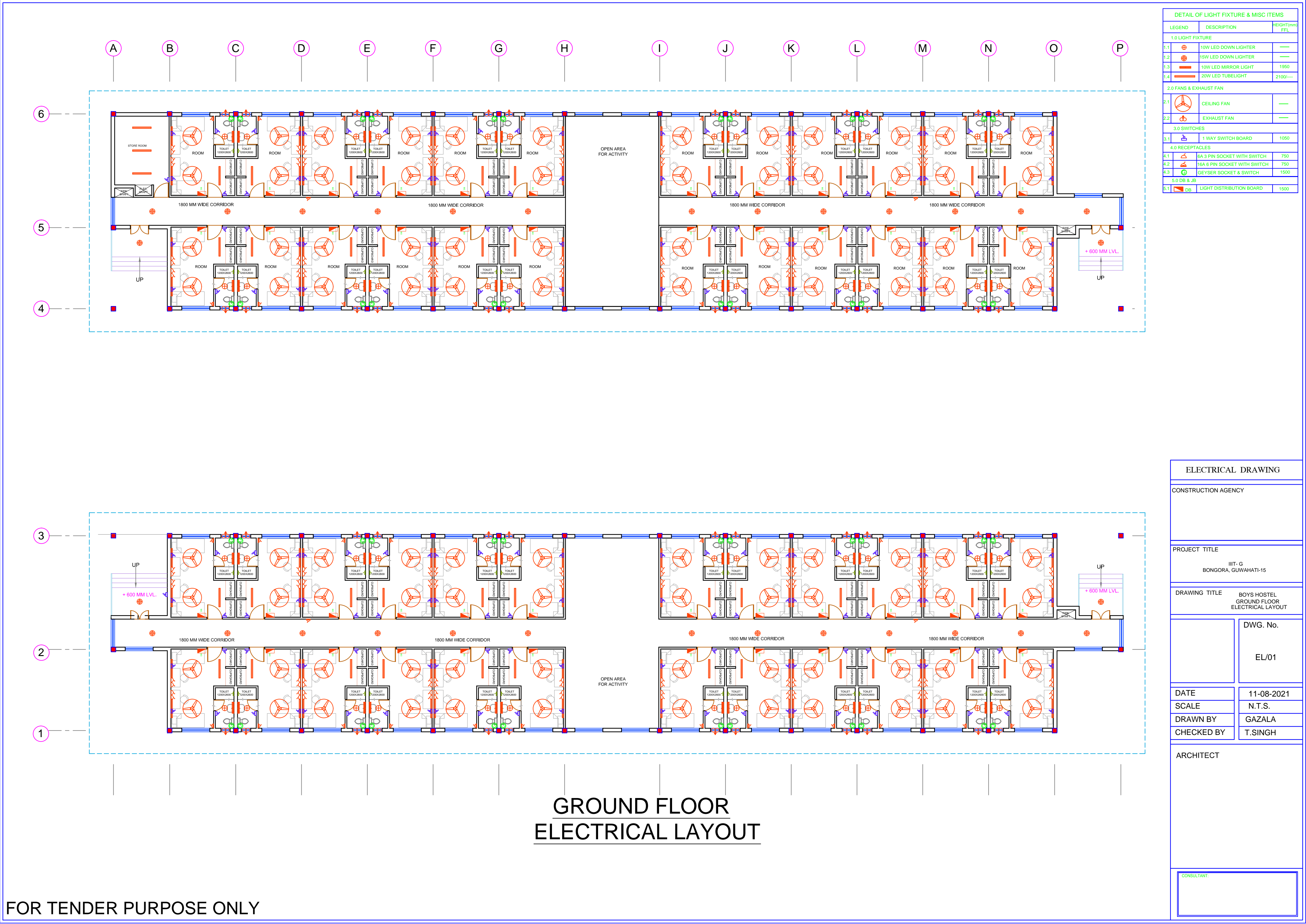
STRUCTURAL CONSULTANTS:

PROJECT  
IIIT- G  
BONGORA, GUWAHATI-15

Drawing Title  
TRUSS PLAN & DETAILS  
BOYS HOSTEL

Job. No.		Drg. No.		Revision
Scale	Date	STR/S-001A		R0
1:100,50	29.08.21			
NARESH Drawn	SANJAY Dealt	SANJAY Checked	APPROVED	

FOR TENDER PURPOSE ONLY



DETAIL OF LIGHT FIXTURE & MISC ITEMS		
LEGEND	DESCRIPTION	HEIGHT(mm) FFL
1.0 LIGHT FIXTURE		
1.1	10W LED DOWN LIGHTER	---
1.2	15W LED DOWN LIGHTER	---
1.3	10W LED MIRROR LIGHT	1950
1.4	20W LED TUBELIGHT	2100----
2.0 FANS & EXHAUST FAN		
2.1	CEILING FAN	---
2.2	EXHAUST FAN	---
3.0 SWITCHES		
3.1	1 WAY SWITCH BOARD	1050
4.0 RECEPTACLES		
4.1	SA 3 PIN SOCKET WITH SWITCH	750
4.2	16A 6 PIN SOCKET WITH SWITCH	750
4.3	GEYSER SOCKET & SWITCH	1500
5.0 DB & JB		
5.1	DB	1500

ELECTRICAL DRAWING

CONSTRUCTION AGENCY

PROJECT TITLE

IIIT- G  
BONGORA, GUWAHATI-15

DRAWING TITLE

BOYS HOSTEL  
GROUND FLOOR  
ELECTRICAL LAYOUT

DWG. No.

EL/01

DATE

11-08-2021

SCALE

N.T.S.

DRAWN BY

GAZALA

CHECKED BY

T.SINGH

ARCHITECT

CONSULTANT

GROUND FLOOR  
ELECTRICAL LAYOUT

FOR TENDER PURPOSE ONLY