

NORTHERN RAILWAY

**Headquater Office,
Baroda House
New Delhi.**

File No. 104-w | 0 | Pt-IV

Dated: 17.08.2020

Divisional Railway Manager,

Northern Railway,

Ambala, Delhi, Firozpur, Lucknow & Moradabad

CAO/C/Kashmere Gate, Delhi.

CTPM/HQ

CTPM/HQ

Sub: GAD & Structural detail drags for Proposed
Type Plan of Gang Rest Room with Tool Room

Ref: Approved GAD No. H Q/d/O/-2020 Gang rest
room with Test Room.

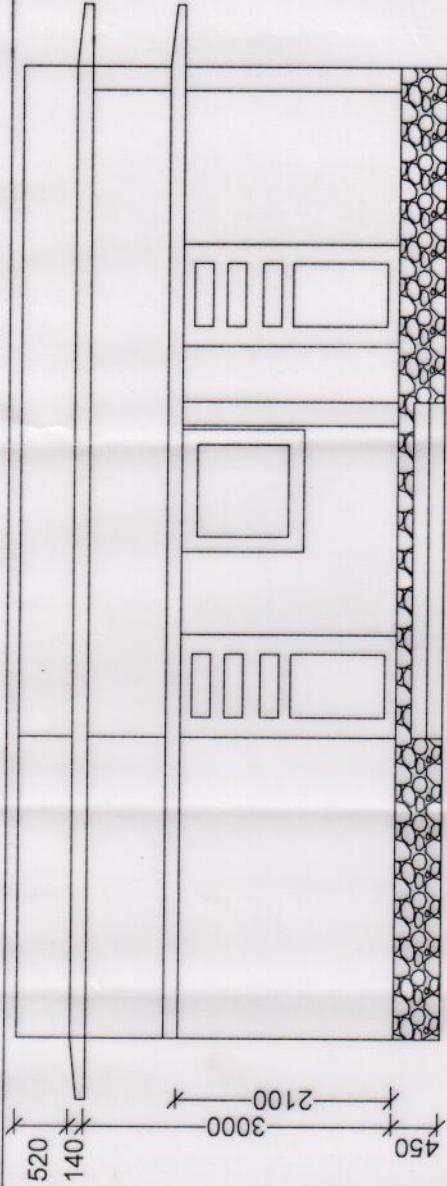
Divnl. Plan No:

NRHQE Plan No: Structural Drg NO. / HQ / 01 / 01 / 2020
dated 12.08 / 2020 (Sheet no. 2)

N.R.Type Plan No: 0-958

Please find uploaded approved plan on Engineering Web site / Through E-Mail, GAD / Type Plan / ESP/ Structural Drawings.

(K. P. Dangi)
SSE/Drawing Office Engineering



The top drawing is a floor plan of a toilet and rest room. It shows two identical toilet units, each measuring 2.5x1.5m, and a rest room measuring 3.6x6.0m. The toilet units are separated by a wall, and the rest room is located at the end of the corridor. The floor plan includes dimensions for the rooms and the overall layout.

The bottom drawing is a cross-section of the toilet unit, showing the floor, walls, and roof structure. It includes dimensions for the floor, walls, and roof, as well as the location of the toilet and the rest room. The cross-section shows the internal structure of the building, including the floor, walls, and roof.

DETAIL OF FOUNDATION 230 THICK BRICK WALL

SCHEDULE OF OPENINGS			
S.NO	TYPE	DESCRIPTION	SIZE
1	DOOR (D)	PANELLED	1.0 X 2.10
2	DOOR (D1)	PANELLED	0.8 X 2.10
3	WINDOW (W)	GLAZED	1.2 X 1.2
4	VENTILATION (V1)	GLAZED	0.9 X 0.6

1. EXTERNAL TREATMENT OF BUILDING SHALL BE ROUGH CAST PLASTERED.
2. INTERNAL TREATMENT OF THE BUILDING SHALL BE IN CEMENT & SAND MORTAR 1:6 TOP PLASTERED TO BE DONE FOR SMOOTH SURFACE.

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. MINIMUM CLEAR DISTANCE BETWEEN FACE OF GANG REST ROOM FROM
 - a) CENTRE LINE OF NEAREST TRACK = 6.0 METER
 - b) EDGE OF ROAD METALLING = 6.0 METER
3. ALL CONCRETE MIX SHALL BE M-20 CONFORMING TO IS 456-2000
4. THICKNESS OF SLAB IS 140mm.

1. MAX. PRESSURE ON FOUNDATION IS 10 TON/SQ. METER. INCASE SOIL AT SITE IS NOT SAFE FOR THE ASSUMED SOIL PRESSURE. THE FOUNDATION MAY BE SUITABLY ALTERED BY DEN UNDER ADVICE FROM HQ.

1. 230 THK BRICK WORK TO BE CEMENT MORTAR 1:6.
2. 115 THK BRICK WORK TO BE CEMENT MORTAR 1:4.

1. PLINTH LEVEL IS KEPT 460 ABOVE NATURAL GROUND LEVEL BUT IT SHOULD BE ENSURED THAT IT SHOULD NOT LOWER THAN 300 FROM CENTER OF ROAD.
2. R.C PLINTH BEAMS AND LINTEL BEAMS TO BE PROVIDED TO ALL THE WALLS AS PER DETAILS.
3. LINTEL & LINTEL BAND SHOULD BE PROVIDED AS PER TYPE PLAN NO. Q-138.

1. 50MM THICK CC FLOOR FINISHED SMOOTH TO BE PROVIDED THROUGH OUT THE BUILDING WITH 100 HIGH SKIRTING. EXCEPT W.C. & BATH WHERE 2100 HIGH CERAMIC TILES FROM FLOOR LEVEL TO BE PROVIDED.
2. FLOORS OF TOILET TO BE KEPT 12mm LOWER THAN GENERAL FLOOR LEVEL

VINOD K. TRIPATHI (CE/P&D)	6/1/2020
RANDHIR SINGH (XEN/P&D)	6/1/2020
K.P. DANGI (CHECKED BY SSE/DOE)	6/1/2020
BIBHA CHANDRA (DESIGNED BY SSE/DOE)	Bhandra
RAKESH KUMAR (PREPARED BY SSE/D&D)	Subst, 6/1/19

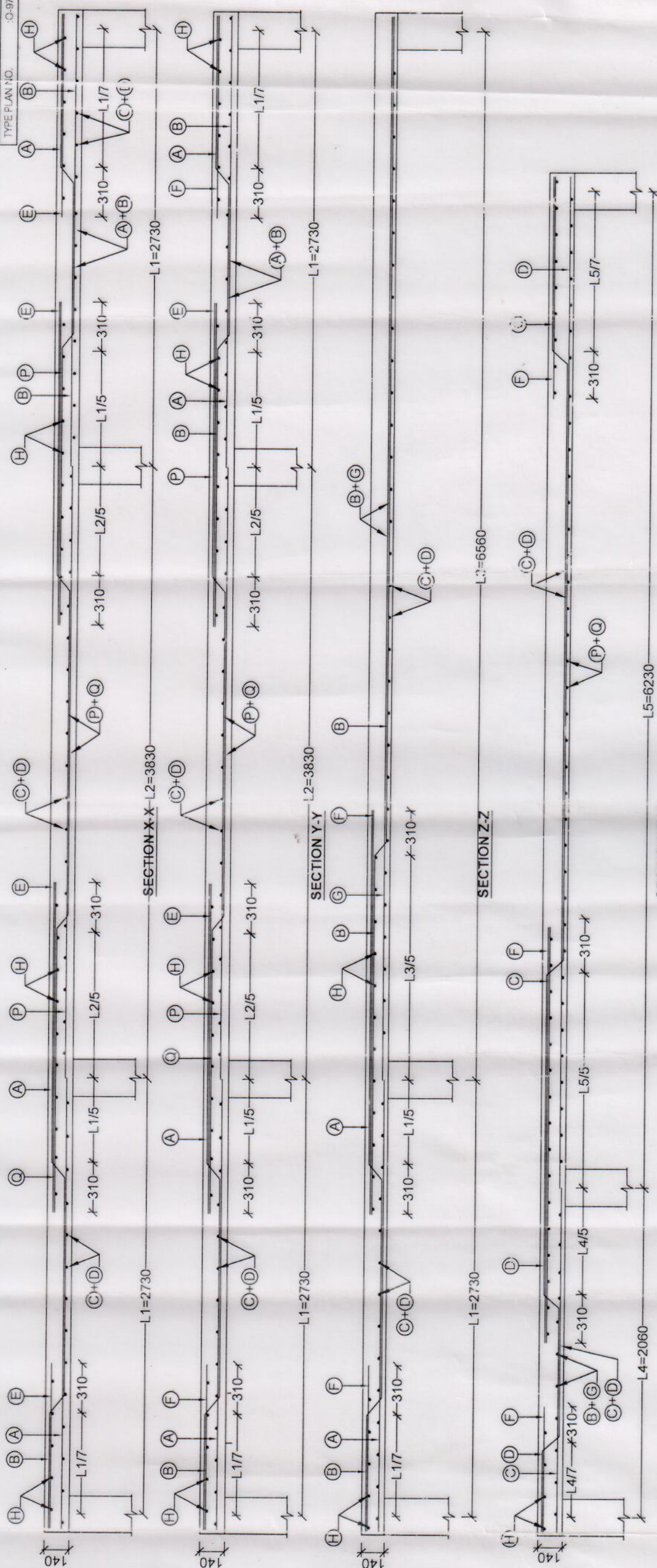
Drawing Description

Drawing Description

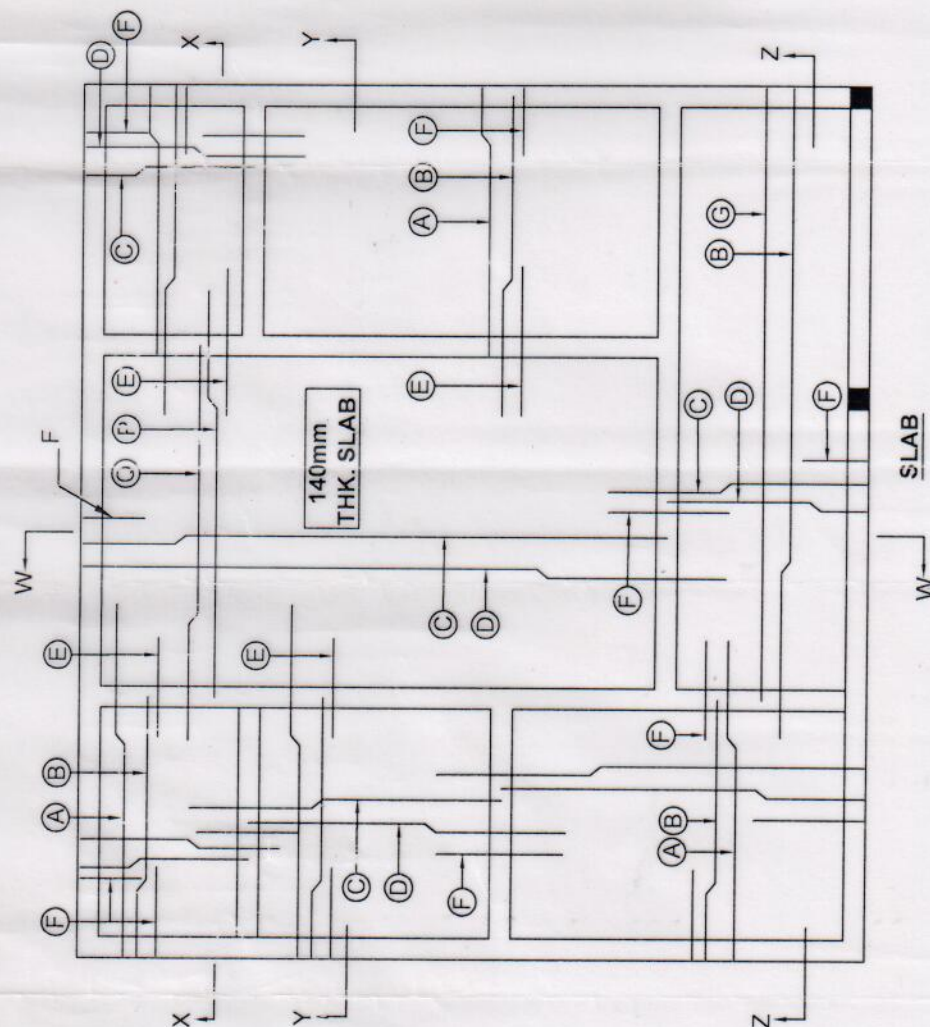
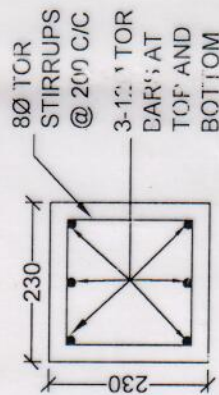
GENERAL PLAN, ELEVATION, SECTION & FOOTING DETAILS

SCALE :	1:25	1:100	SHEET NO	1/2
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N.R.H.Q.E. PLAN NO. HQ/01/01-2020



SECTION W-W			
BAR MARK	DESCRIPTION	SHAPE	REMARKS
A	Y 8Ø @ 400 C/C		
B	Y 8Ø @ 400 C/C		
C	Y 8Ø @ 400 C/C		
D	Y 8Ø @ 400 C/C		
E	Y 10Ø @ 400 C/C		
F	Y 8Ø @ 400 C/C		
G	Y 8Ø @ 400 C/C		
H	Y 8Ø @ 300 C/C		BINDERS
P	Y 10Ø @ 400 C/C		
Q	Y 10Ø @ 400 C/C		



RCC DETAILS OF
PLINTH BEAMS
230X230



**RCC DETAILS OF
PLINTH BEAM
115X230**

RAKESH SABHARWAL
DYCE/P&D

RANDHIR SINGH
(XEN/P&D)

(KLEIN/F&L)
K.P. DANGI
(CHECKED BY SSE/D/E)

(CHECKED BY SSE/DI/E)
BIBHA CHANDRA
(CHECKED BY SSE/DI/E)

(DESIGNED BY SSE/DOE)

RAKESH KUMAR

NORTHERN RAILWAY

Drawing Description

GANG REST ROOM WITH TOOL ROOM

Drawing Description

RCC DETAIL OF PLINTH BEAM,
LINTEL BEAM, SLAB AND CHAJJA

TYPE PLAN NO	A-98
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SCALE : 1:25 1:100	SHEET NO. 2/2
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SCALE : 1:25 1:100	SHEET NO. 2/2
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