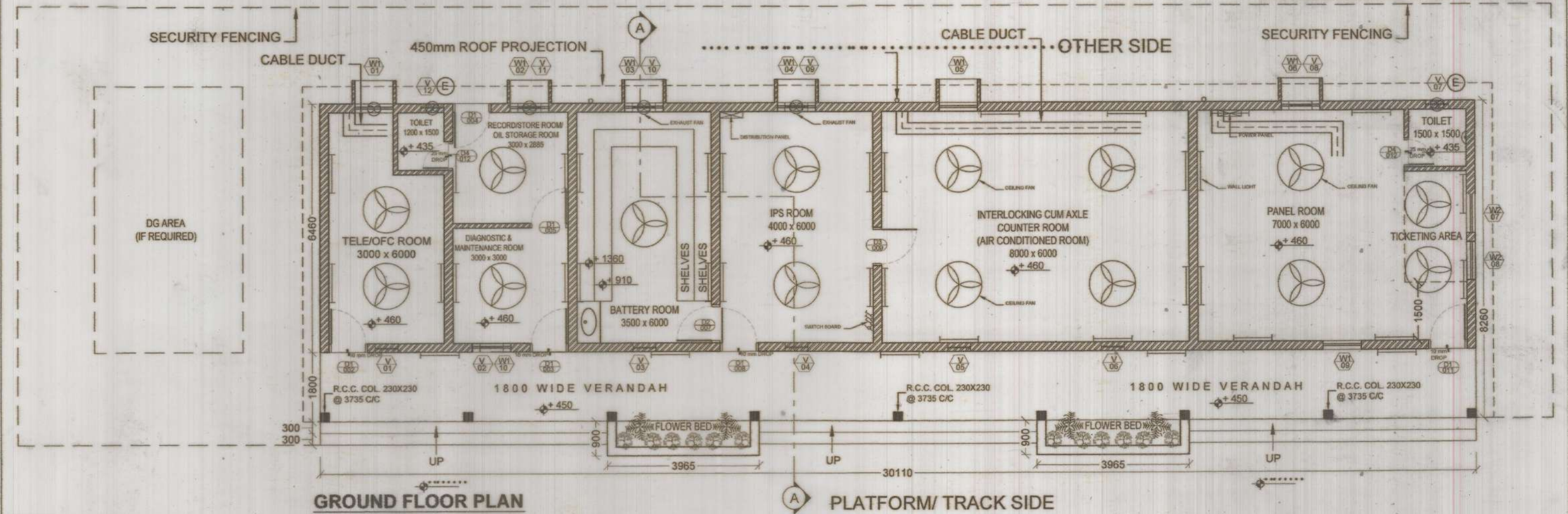


N.R.H.Q.E. PLAN NO. : HQ/02/02-2021
 TYPE PLAN NO. : O-99/2021
 CANCEL TYPE PLAN NO. : HQ/09/10-13

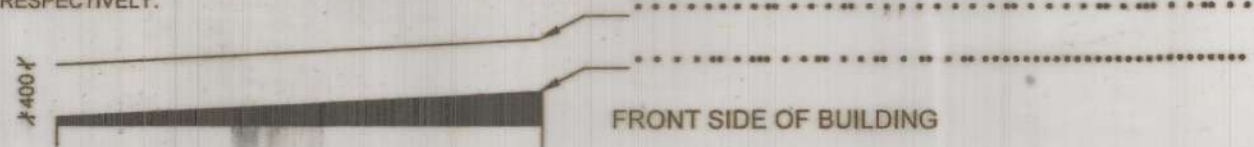


GROUND FLOOR PLAN

PLATFORM/ TRACK SIDE

NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES.
- THE PROPOSED BUILDING PLAN IS BASED OF RDSO DRAWING NO. "SDO/S&T Service building/001 amdt 1" AND IS FOR THE CENTRALIZED ELECTRONIC INTERLOCKING UP TO 100 ROUTES. FOR E I UP TO 50 ROUTES OR DISTRIBUTED E I, SIZE OF INTERLOCKING CUM AXLE COUNTER ROOM CAN BE REDUCED TO 7000X6000 SQ.MM. FOR OTHER STATIONS WITH ROUTES MORE THAN 100 ROUTES, THE BUILDING PLAN SHALL BE ISSUED AFTER APPROVAL OF PCSTE.
- THE LOCATION OF THE BUILDING SHALL BE AS CLOSE TO CENTRE OF YARD AS POSSIBLE. THE EXACT LOCATION OF THE BUILDING SHALL BE JOINTLY SIGNED BY DIVISIONAL OFFICERS OF CONCERNED DEPARTMENTS.
- THE FLOOR LEVEL SHALL BE AT LEAST 500 MM ABOVE THE LEVEL OF THE PLATFORM OF THE STATION.
- ONLY ONE WINDOW IS TO BE KEPT IN INTERLOCKING CUM AXLE COUNTER ROOM TO MINIMISE DUST INGRESS. THE WINDOW SHOULD NORMALLY BE ON THE OPPOSITE WALL FROM THE TRACK SIDE. THE WINDOWS SHALL BE PROTECTED BY IRON GRILL. THE WINDOW SHUTTERS SHALL BE PROVIDED TO OPEN ON OUT-SIDE. THE WINDOWS SHALL BE COVERED WITH DETACHABLE NETIAN MESH FROM INSIDE TO AVOID ENTRY OF INSECTS INTO THE EQUIPMENT ROOMS.
- ALL DOORS SHALL HAVE LOCKING FACILITY TO OPEN FROM INSIDE EVEN THOUGH THEY ARE LOCKED FROM OUT SIDE. 2 HOUR FIRE RATED DOORS AND WINDOWS ARE TO BE PROVIDED FOR INSTALLATION.
- ELECTRIC FITTINGS** : ONE CEILING FAN SHALL BE PROVIDED FOR EVERY 8 SQ. M. SUBJECT TO MINIMUM ONE IN EACH ROOM. THE LIGHTING SHALL BE PROVIDED TO ACHIEVE 150 LUMENS/ SQ.M. AIR CONDITIONING TO THE INTERLOCKING ROOMS SHALL BE PROVIDED SUCH THAT SPILL OF WATER SHALL NOT AFFECT THE FUNCTIONING OF SIGNALING SYSTEM. THE LOCATION OF ELECTRICAL FITTINGS SHALL CATER FOR INSTALLATION OF FIRE DETECTION SYSTEM. AT/ GENERATOR LIGHTING SHALL BE PROVIDED AS PER THE LATEST GUIDELINES ISSUED BY RAILWAY BOARD. THE ELECTRIC AND SIGNALING WIRING SHALL NOT BE ON THE SAME WALL.
- THE FLOOR SHALL BE PROVIDED WITH ANTI-SKID TILES IN ALL THE ROOMS AND VERANDAH.
- THE FLOOR, SHELF AND WALL (UP TO 1500 MM) SHALL BE PROVIDED WITH ACID PROOF TILES IN BATTERY ROOM. THE SHELVES IN THE BATTERY ROOM SHALL BE PROVIDED WITH TWO TIER STEPS OF 450 MM WIDTH AND 450 MM HEIGHT.
- THE INTERIOR WALLS AND CEILING SHALL BE COATED WITH PREMIUM ENAMEL PAINT WITH A GLOSSY, DURABLE AND WASHABLE FINISH OR THEY SHALL BE TILED.
- CABLE AND DUCT ENTRY** : CABLE DUCT OF 300 MM (WIDTH) X 300 MM (DEPTH) SHALL BE PROVIDED ALONG THE BACK WALL OF THE INTERLOCKING CUM AXLE COUNTER ROOM AND PANEL ROOM UP TO THE CENTRE OF PANEL. STANDARD OPENING AT THE BACK WALL (PREFERABLY 450X450 MM) TO BE PROVIDED AT TWO PLACES FOR CABLE ENTRY.
- INTER ROOM OPENING THROUGH LADDER** : THERE SHALL BE INTER ROOM OPENING OF 300X300 MM BELOW THE CEILING FOR RUNNING LADDER FROM TELE/OFC ROOM TO PANEL ROOM THROUGH DIAGNOSTICS AND MAINTENANCE ROOM.
- ROOF DESIGN** : THE HEIGHT OF THE ROOF SHALL BE KEPT MINIMUM 12 FEET (3660MM). THE ROOF SLOPE SHALL BE MINIMUM 1:40, WITH THE HIGH POINT BEING ON THE FRONT SIDE OF THE BUILDING. R.C.C. ROOF SHALL BE PROJECTED 450 MM OUT SIDE BUILDING ALL ROUND TO WORK AS SUN /RAIN GUARD & WALL PROTECTION. HEAT RETARDANT INCLINED ROOF SHEET SHALL BE PROVIDED OVER THE ROOF AT A HEIGHT OF MINIMUM 400 MM ABOVE THE ROOF. VERANDAH CAN BE DISPENSED WITH IN CASE OF SPACE CONSTRAINTS, UNDER EXCEPTIONAL CIRCUMSTANCES. THE ROOF OF RELAY ROOM AND PANEL ROOM SHALL HAVE SUITABLE PROVISIONS FOR FIXING 'A' TYPE PROTECTION AND VHF ANTENNA RESPECTIVELY.



FRONT SIDE OF BUILDING

- RELAY HUTS MEANT FOR THE PURPOSE OF INTERMEDIATE RELAY HUTS/BLOCK HUTS OR CABINS OR AUTO SECTION SHALL BE DESIGNED BASED ON THE ABOVE GUIDELINES. PORTA CABINS SHALL NOT BE CONSIDERED FOR S&T SERVICE BUILDINGS.
- THE S&T SERVICE BUILDING AREA SHALL BE NOTIFIED AS RESTRICTED AREA.

continued...

ACHAL JAIN (CE/P&D)	22/12/21
VIJAY KUMAR PANDEY (DY:CS&E/D&D)	Signed ON 19.02.2021
VAIBHAV PATHAK (DY:CE/P&D)	22/12/21
OM PRAKASH CHETIWAL (XEN/P&D)	Signed ON 12.02.2021
MOHD. SHARIF (PREPARED BY: SSE/ARCH.)	Signed ON 12.02.2021
NORTHERN RAILWAY	
Title S&T SERVICE BUILDING	
Drawing Description Ground Floor general arrangement plan	
SCALE 1:100	SHEET NO. 01 OF 05
N.R.H.Q.E. PLAN NO. HQ/02/02-2021	

