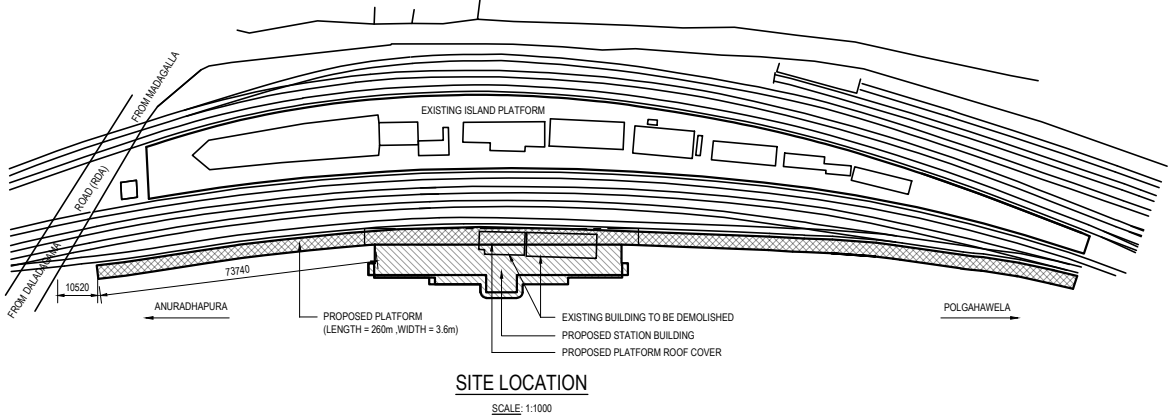
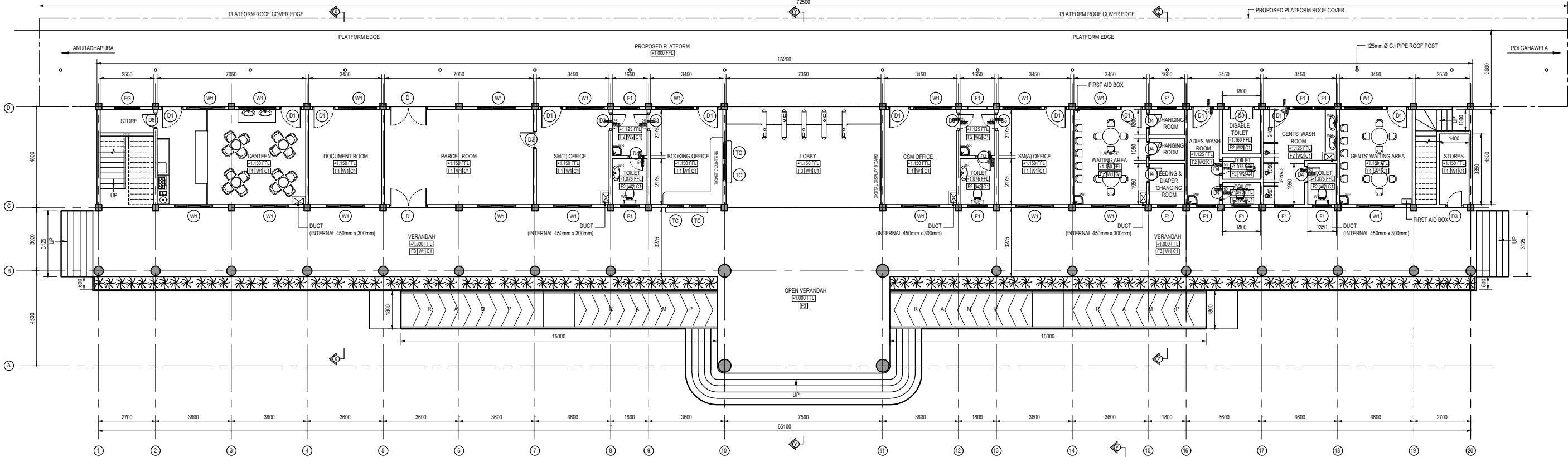
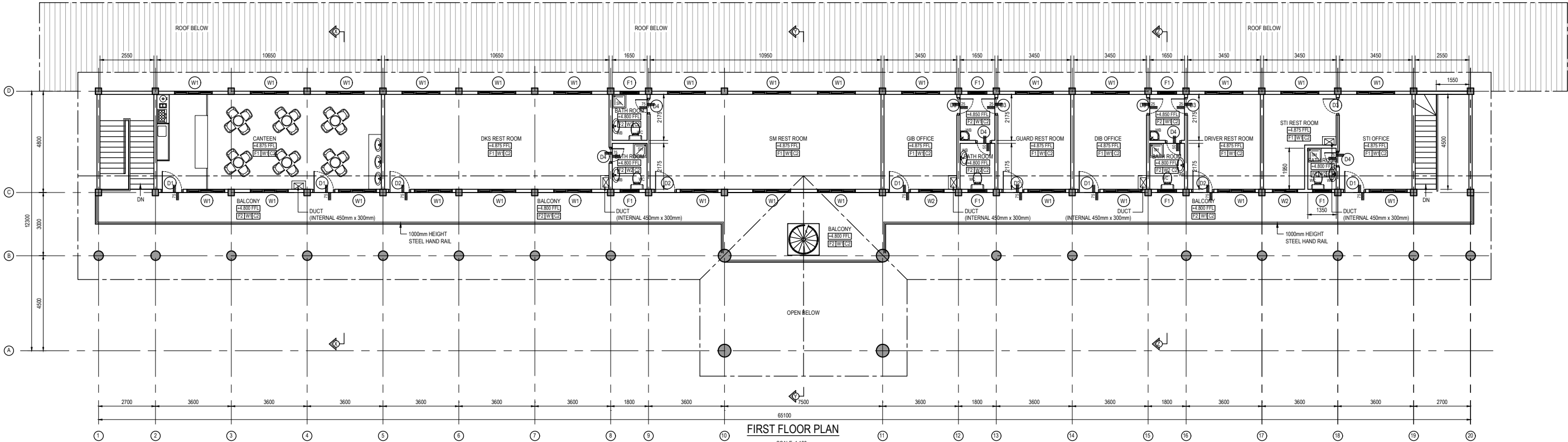


SRI LANKA RAILWAYS

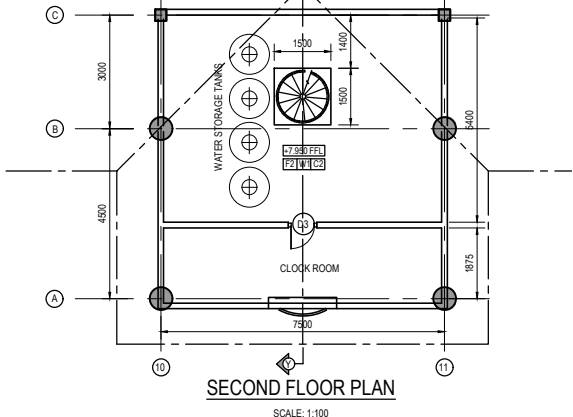
PROPOSED STATION BUILDING AT MAHO

DRAWINGS

JANUARY 2026



DOORS & WINDOWS SCHEDULE						
TYPE	SIZE (mm)	DESCRIPTION	GF	FF	SF	TOTAL
D	1800 x 2400	DOUBLE SASHES ALUMINUM DOOR WITH LOUVERS	02	-	-	02
D1	1950 x 2400	SINGLE SASH ALUMINUM DOOR WITH LOUVERS	11	05	-	16
D2	1050 x 2400	SINGLE SASH ALUMINUM DOOR WITH LOUVERS	-	04	-	04
D3	825 x 1950	SINGLE SASH ALUMINUM DOOR	06	05	01	12
D4	750 x 1950	SINGLE SASH P.V.C DOOR	08	05	-	13
D5	1200 x 2400	DOUBLE SASHES ALUMINUM DOOR WITH LOUVERS	01	-	-	01
D6	750 x 1200	SINGLE SASH LEDGED DOOR	01	-	-	01
W1	1800 x 1500	ALUMINUM SLIDING WINDOW WITH LOUVERS	19	28	-	47
W2	1200 x 1500	ALUMINUM SLIDING WINDOW WITH LOUVERS	-	02	-	02
F	900 x 900	ALUMINUM FANLIGHT WITH LOUVERS	12	07	-	19
FG	1200 x 600	ALUMINUM FIXED GLASS	01	-	-	01
TC	900 x 900	TICKET COUNTER	04	-	-	04



SLR - NORTHERN LINE

PROPOSED STATION BUILDING AT MAHO

(ARCHITECTURAL DRAWING)

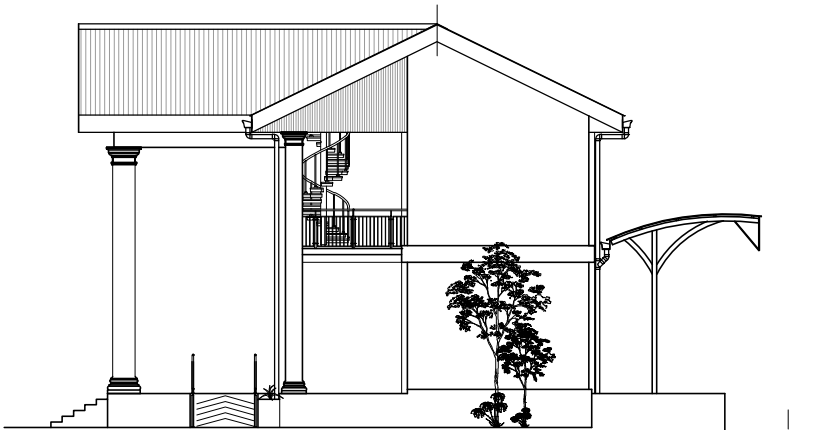
SCALE: AS SHOWN

DATE: JAN 2025

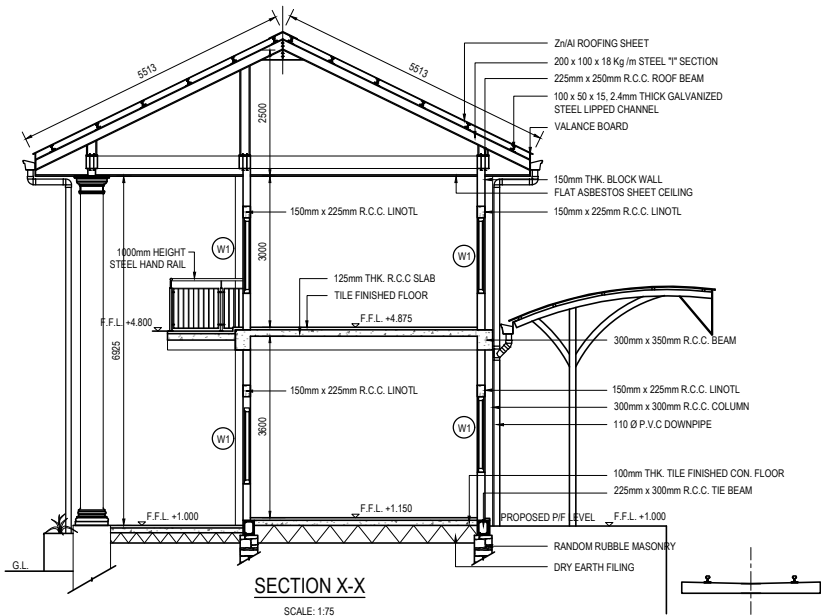
CHIEF ENGINEER



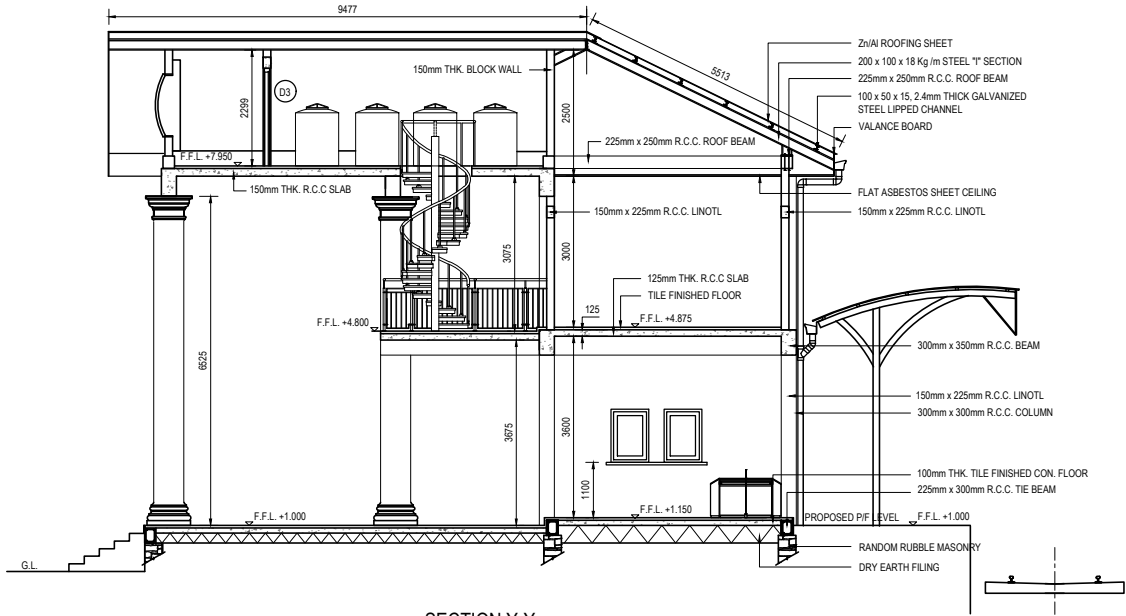
FRONT ELEVATION
SCALE: 1:100



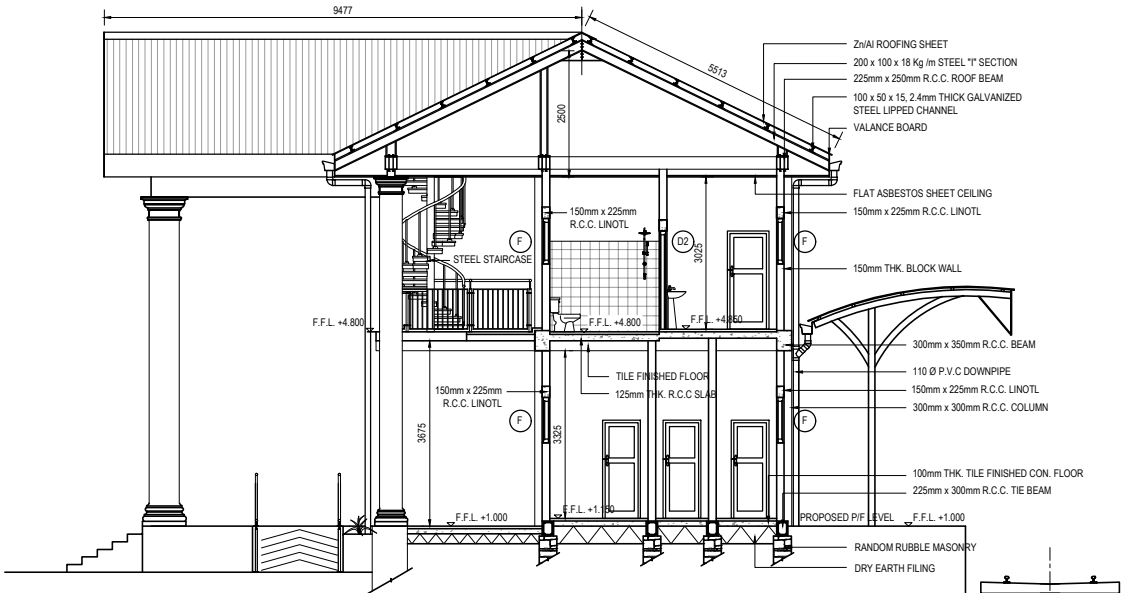
SIDE ELEVATION
SCALE: 1:100



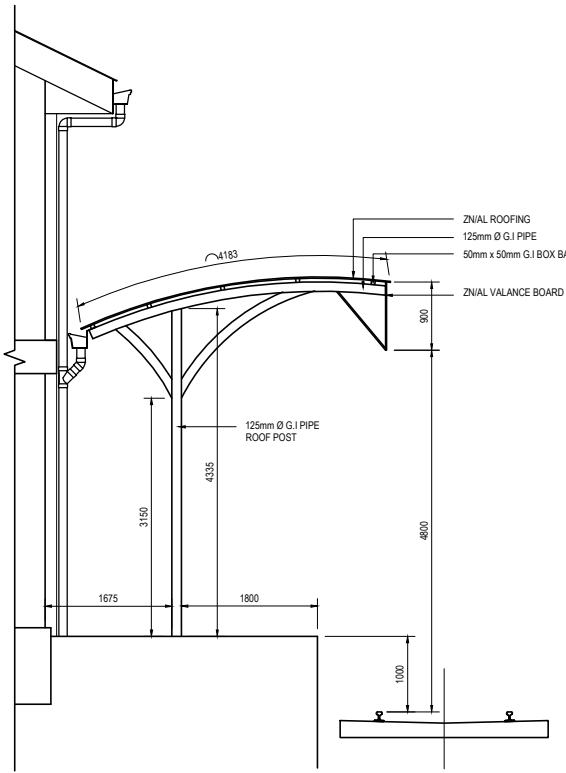
SECTION X-X
SCALE: 1:75



SECTION Y-Y
SCALE: 1:75



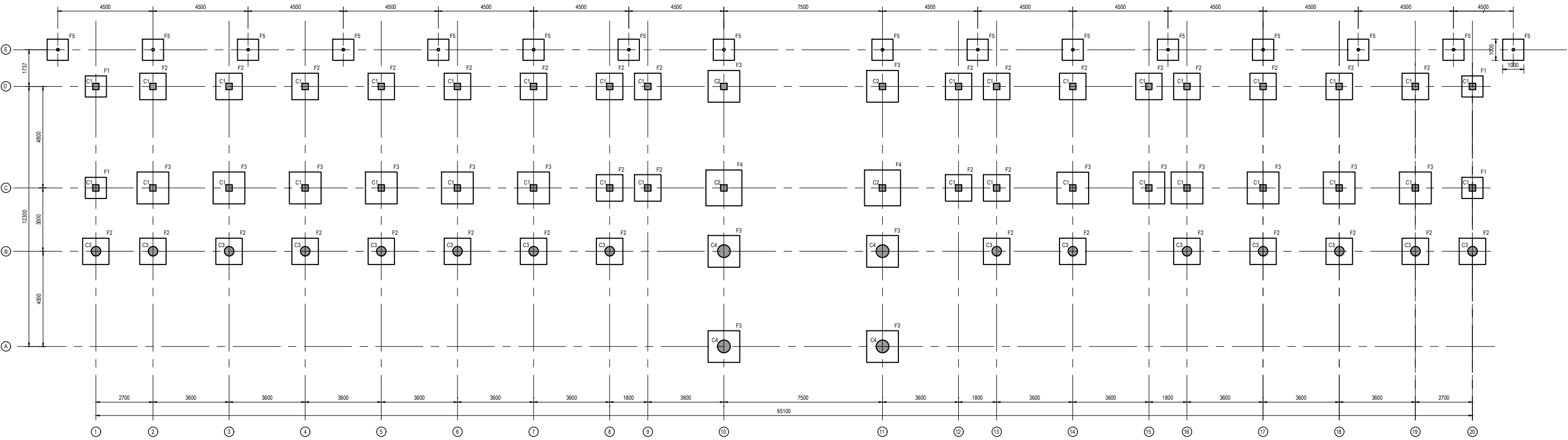
SECTION Z-Z
SCALE: 1:75



PLATFORM ROOF COVER DETAIL
SCALE: 1:50

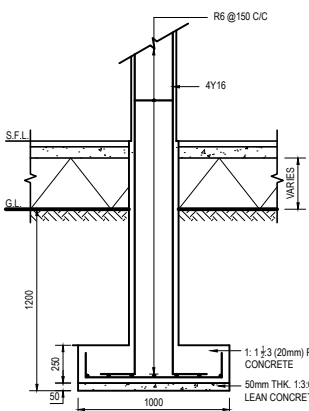
- NOTE:**
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERING & ARCHITECTURAL DRAWINGS.
 - ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
 - STRUCTURAL CONCRETE SHALL BE OF GRADE 25 AND SCREED CONCRETE SHALL BE OF GRADE 15(40).
 - LOCATION RESERVED FOR FUTURE INSTALLATION OF ELECTRONIC TICKETING GATES INSTALLATION TO BE CARRIED OUT UPON IMPLEMENTATION OF THE ELECTRONIC TICKETING SYSTEM.
 - NOTATION
125mm THK - THICKNESS OF THE SLAB
+4.825 SFL - STRUCTURAL FLOOR LEVEL OF THE SLAB
 - FINISHES
FLOOR FINISH - WALL FINISH - CEILING FINISH
KEY TO FINISHES:
FLOOR FINISHES:
F1 - 600mm x 600mm HOMOGENOUS MATT PORCELAIN FLOOR TILE
F2 - 600mm x 600mm ANTI SLIP HOMOGENOUS PORCELAIN FLOOR TILE
F3 - 600mm x 600mm HOMOGENOUS FLOOR TILE WITH TEXTURED FINISH
WALL FINISHES:
W1 - SMOOTH PLASTER PAINTED WITH INTERIOR EMULSION
W2 - 300mm x 600mm GLAZED PORCELAIN WALL TILES UP TO 1.8m HEIGHT
FORM FINISHED FLOOR LEVEL & ABOVE SMOOTH PLASTER PAINTED BY WATER RESISTANT PAINT
CEILING FINISHES:
C1 - SLAB SOFFIT SURFACE FINISH & PAINTED
C2 - FLAT ASBESTOS CEILING ON TIMBER SUB FRAME
- ABBREVIATIONS:**
- G.L. - GROUND LEVEL
F.F.L. - FINISH FLOOR LEVEL

SLR - NORTHERN LINE	DRAWN BY LAKSHYA	SRI LANKA RAILWAYS WAY & WORKS DEPARTMENT
PROPOSED STATION BUILDING AT MAHO (ARCHITECTURAL DRAWING)	CHECKED BY SADIN DESIGNED BY SADIN DATE JAN 2026	DRG NO: Bu/N/ANP/Drg/23342/A-2 ESTD NO: BU/N/ANP/23342/A-2 DATE JAN 2026 CHIEF ENGINEER
SCALE: AS SHOWN	PAGE: 02 OF 03	

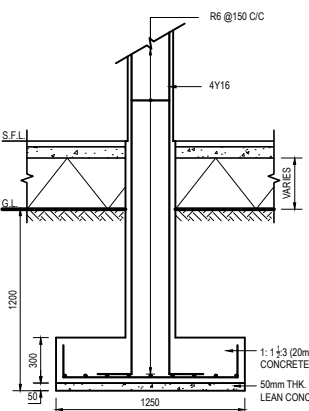


LAYOUT OF FOOTINGS & COLUMNS

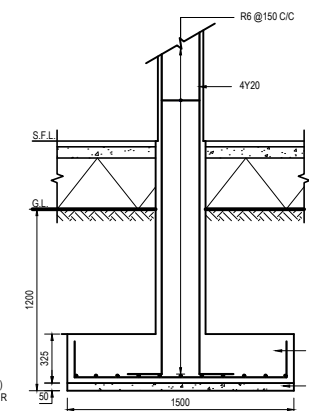
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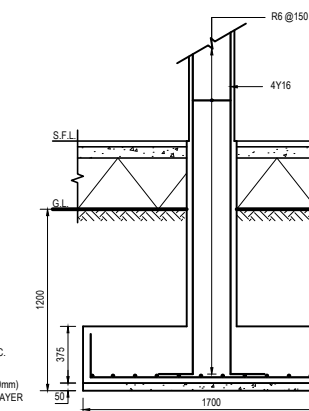
SECTION A-A



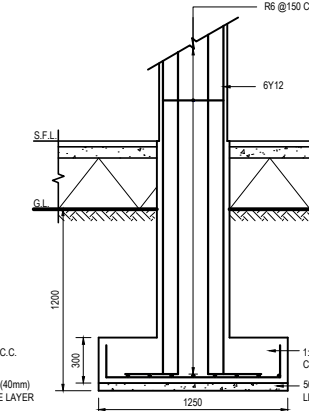
SECTION B-B



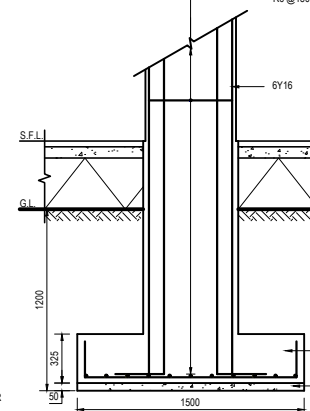
SECTION C-C



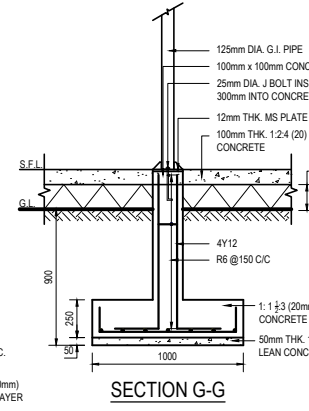
SECTION D-D



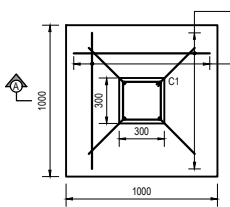
SECTION E-E



SECTION F-F



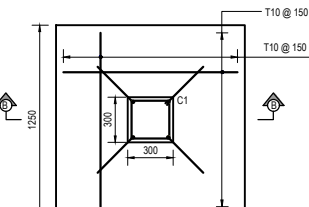
SECTION G-G



PLAN

FOOTING F1

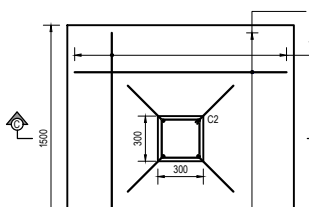
SCALE: 1:25



PLAN

FOOTING F2

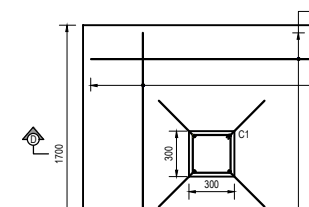
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PLAN

FOOTING F3

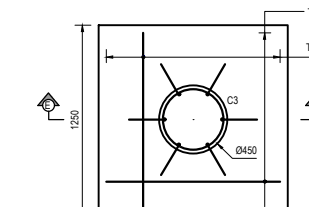
SCALE: 1:25



PLAN

FOOTING F4

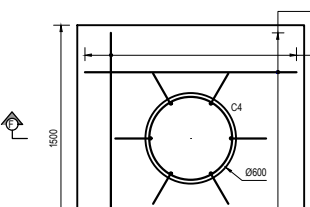
SCALE: 1:25



PLAN

FOOTING F2

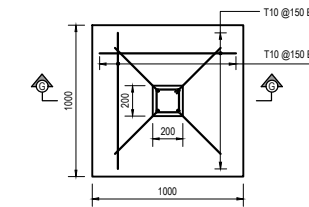
SCALE: 1:25



PLAN

FOOTING F3

SCALE: 1:25



PLAN

FOOTING F5

SCALE: 1:25

COLUMN TYPE	SECTION
C1	
C2	
C3	
C4	

NOTE:

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- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- STRUCTURAL CONCRETE SHALL BE OF GRADE 25(20) AND SCAFFOLD CONCRETE SHALL BE OF GRADE 15(40).
- CHARACTERISTIC STRENGTH OF HIGH YIELD STEEL AND MILD STEEL SHALL BE 460N/mm² & 250 N/mm².
- MINIMUM CONCRETE COVER TO REINFORCEMENT IS AS FOLLOWS.
BELOW F.F.L. = 40mm
ABOVE F.F.L. = 25mm
- MINIMUM LAP/ANCHORAGE SHALL BE 50 TIMES OF THE SMALLER BAR DIAMETER UNLESS OTHERWISE SPECIFIED.
- LEVEL OF THE GROUND CONSIDERED AS FLAT GROUND.
- GROUND SOIL CONSIDERED AS FIRM SOIL.
- TYPICAL BAR NOTATION IS AS FOLLOWS.

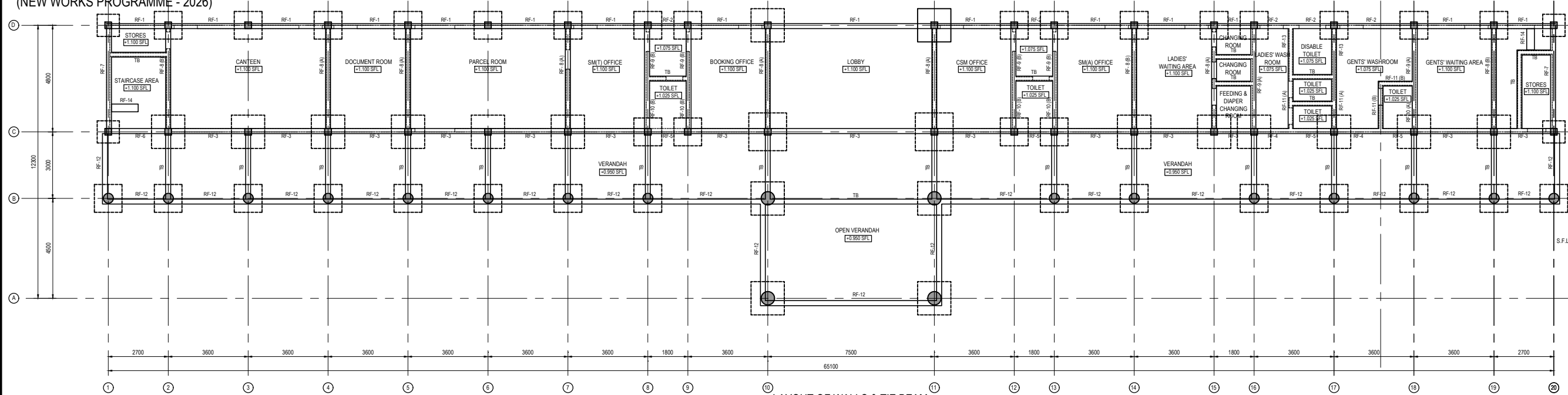
NO. OF BARS	LENGTH OF THE BAR
BAR TYPE	BAR LOCATION
T-TOR STEEL	T-TOP, B-BOTTOM
R-MILD STEEL	BAR SPACING (mm)
BAR DIAMETER (mm)	BAR MARK

SLR - NORTHERN LINE	SR LANKA RAILWAYS WAY & WORKS DEPARTMENT
PROPOSED STATION BUILDING AT MAHO (LAYOUT OF FOOTINGS & COLUMNS & R/F DETAILS)	DESIGNED BY: [Signature] CHECKED BY: [Signature] DATE: [Date]
SCALE: AS SHOWN	PAGE: 03 OF 33

SLR - PROPOSED STATION BUILDING AT MAHO

(NEW WORKS PROGRAMME - 2026)

DRG NO : Bu/N/ANP/Drg/23342/C



LAYOUT OF WALLS & TIE BEAM

SCALE: 1:100

NOTE:

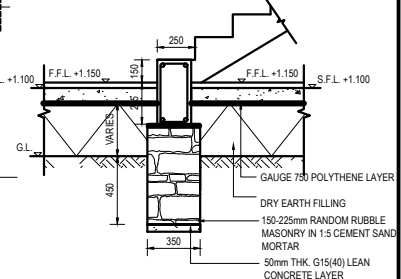
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERING & ARCHITECTURAL DRAWINGS.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- LEVEL OF THE GROUND CONSIDERED AS FLAT GROUND.
- GROUND SOIL CONSIDERED AS FIRM SOIL.

ABBREVIATIONS:

- G.L. - GROUND LEVEL
S.F.L. - STRUCTURAL FLOOR LEVEL
RF - RUBBLE FOUNDATION
TB - TIE BEAM

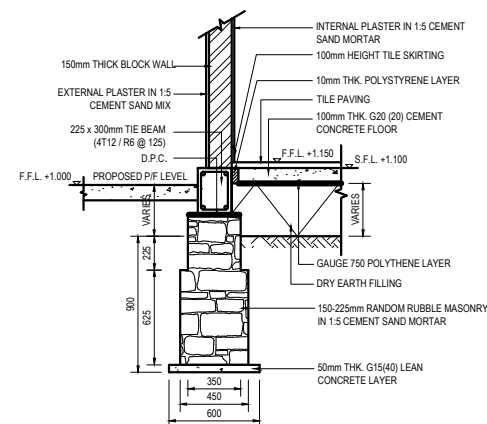
LEGEND:

+1.100 S.F.L. - STRUCTURAL FLOOR LEVEL



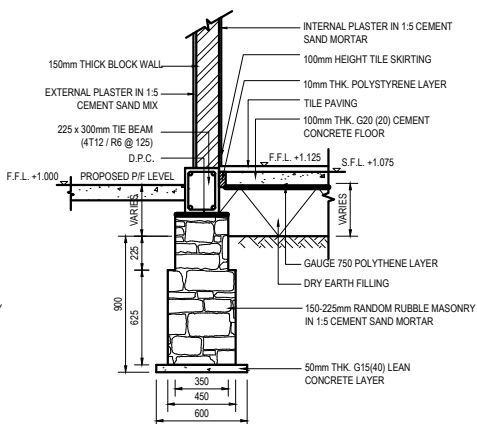
RF-14

SCALE: 1:25



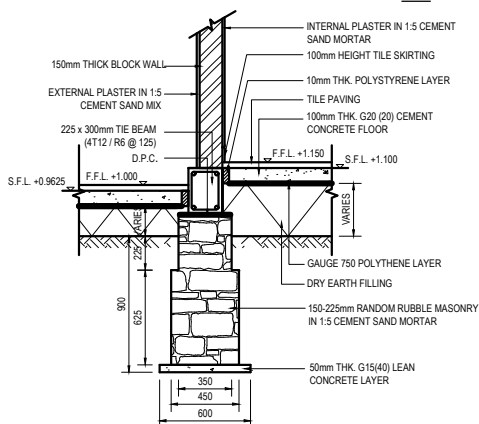
RF-1

SCALE: 1:25



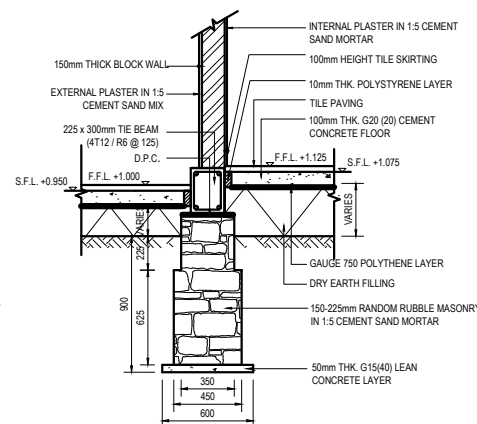
RF-2

SCALE: 1:25



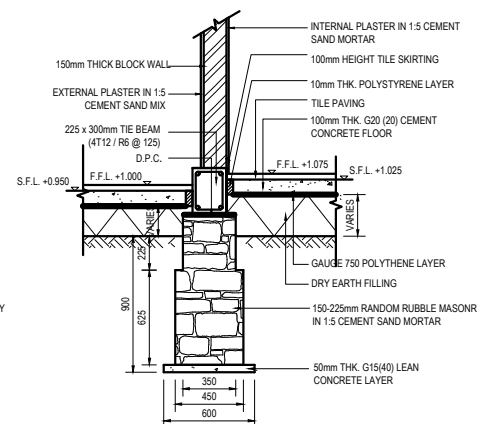
RF-3

SCALE: 1:25



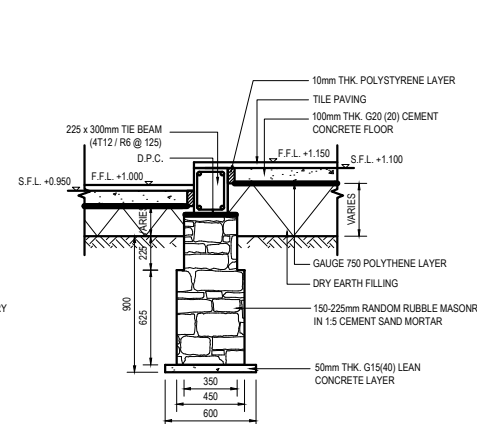
RF-4

SCALE: 1:25



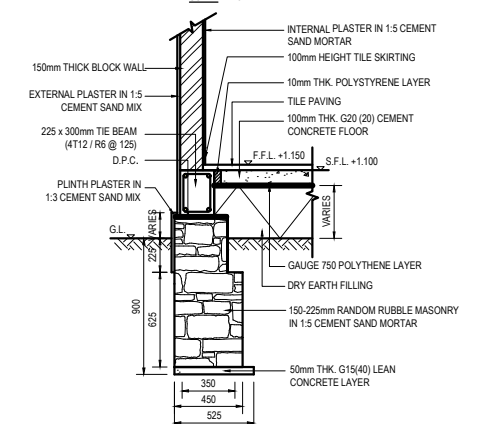
RF-5

SCALE: 1:25



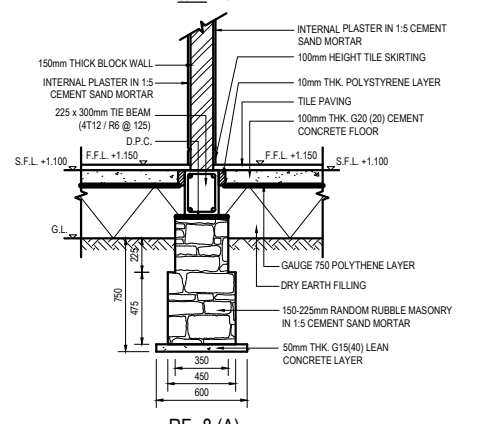
RF-6

SCALE: 1:25



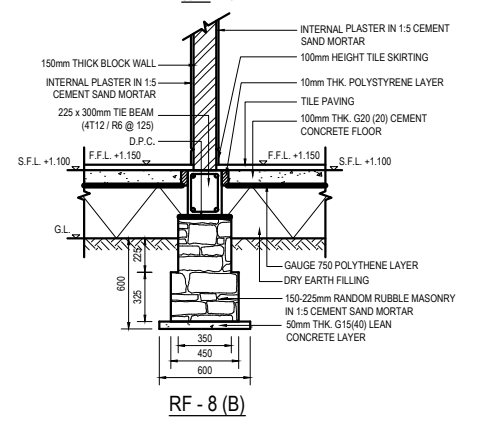
RF-7

SCALE: 1:25



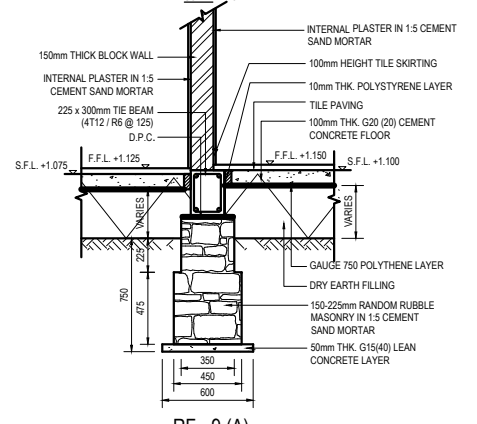
RF-8 (A)

SCALE: 1:25



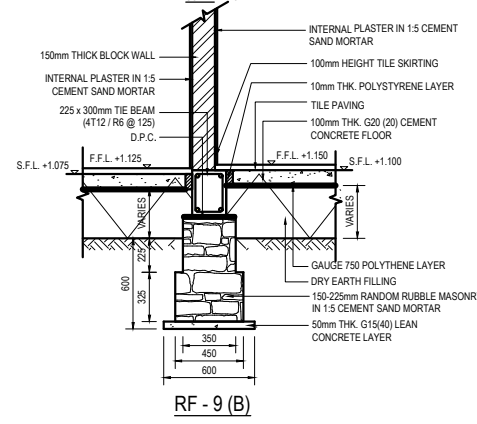
RF-8 (B)

SCALE: 1:25



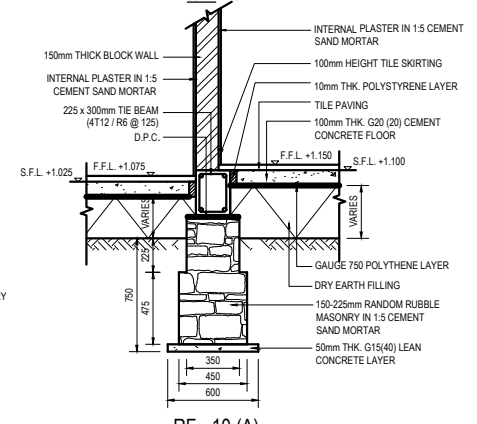
RF-9 (A)

SCALE: 1:25



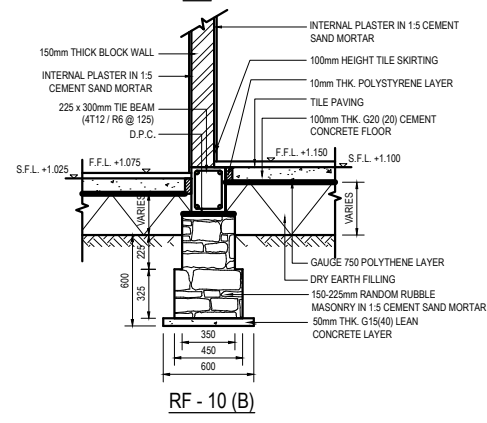
RF-9 (B)

SCALE: 1:25



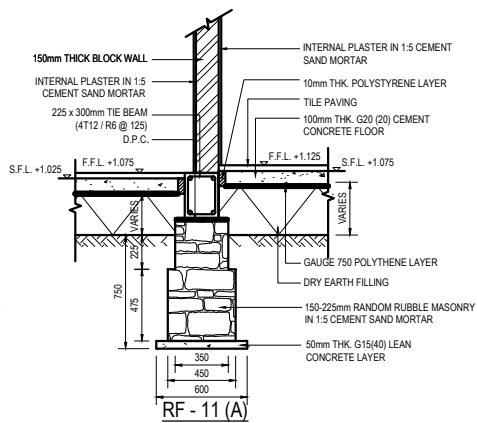
RF-10 (A)

SCALE: 1:25



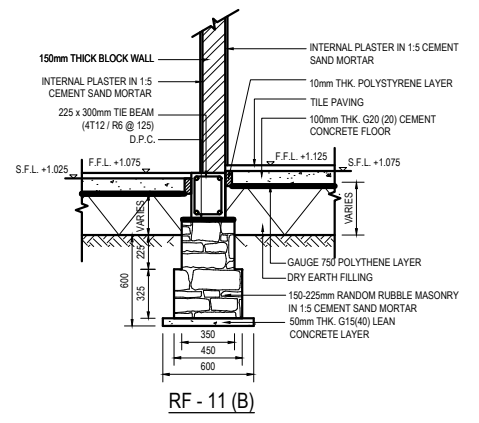
RF-10 (B)

SCALE: 1:25



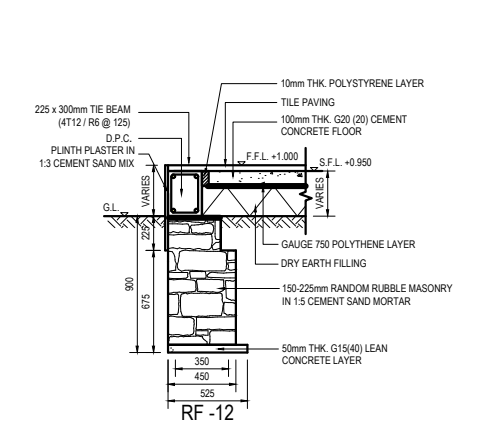
RF-11 (A)

SCALE: 1:25



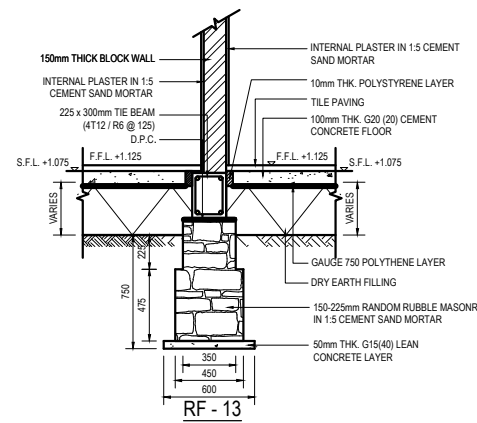
RF-11 (B)

SCALE: 1:25



RF-12

SCALE: 1:25



RF-13

SCALE: 1:25

TB DETAIL

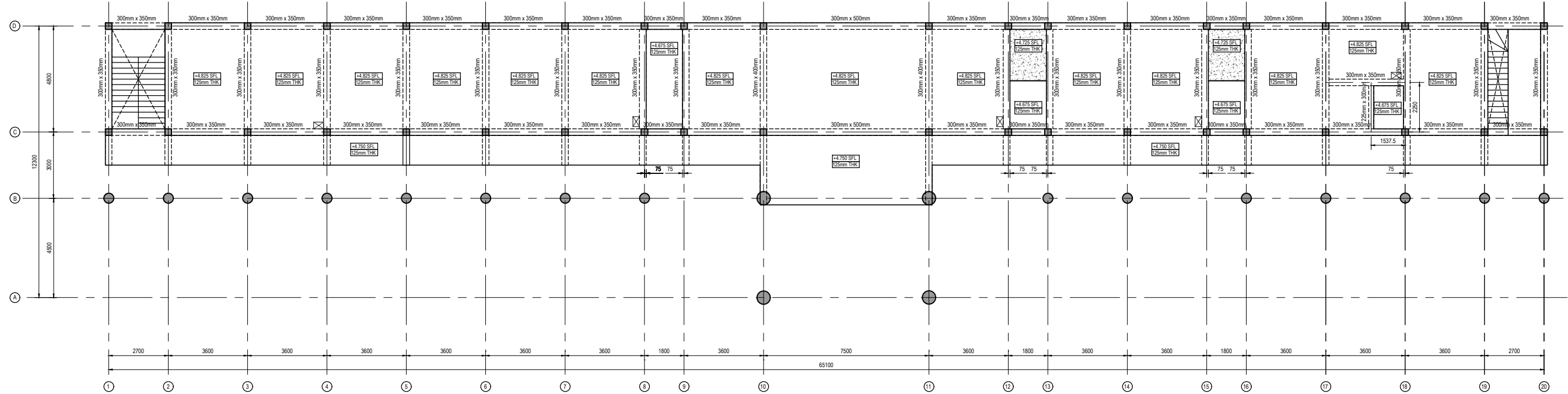
SCALE: 1:20

4T12
R6 @ 125300
225

TB DETAIL

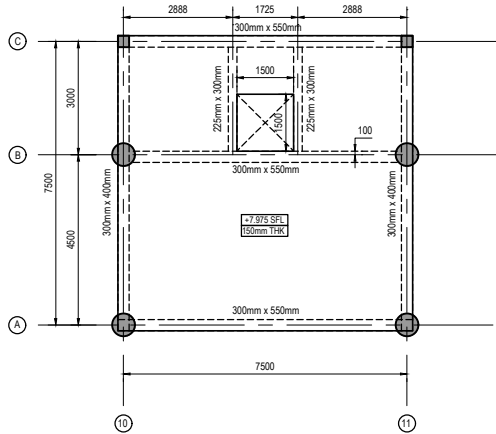
SCALE: 1:20

SLR - NORTHERN LINE		SRI LANKA RAILWAYS WAY & WORKS DEPARTMENT	
PROPOSED STATION BUILDING AT MAHO (LAYOUT OF WALLS & TIE BEAM FOUNDATION DETAILS)		DRAWN BY: JAYARAJA CHECKED BY: JAYARAJA DATE: JAN/2026 DESIGNED BY: JAYARAJA DATE: JAN/2026 SUPERVISOR: JAYARAJA DATE: JAN/2026 ENGINEER: JAYARAJA DATE: JAN/2026	
SCALE: AS SHOWN		PAGE: 14 OF 25	



FIRST FLOOR GENERAL ARRANGEMENT

SCALE: 1:100



SECOND FLOOR GENERAL ARRANGEMENT

SCALE: 1:100

- NOTE:
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERING & ARCHITECTURAL DRAWINGS.
 - ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
 - STRUCTURAL CONCRETE SHALL BE OF GRADE 25(20) AND SCREED CONCRETE SHALL BE OF GRADE 15(40).
 - CHARACTERISTIC STRENGTH OF HIGH YIELD STEEL AND MILD STEEL SHALL BE 460N/mm² & 250 N/mm².
 - MINIMUM CONCRETE COVER TO REINFORCEMENT IS AS FOLLOWS.
BELOW F.F.L = 40mm
ABOVE F.F.L = 25mm
 - MINIMUM LAP ANCHORAGE SHALL BE 50 TIMES OF THE SMALLER BAR DIAMETER UNLESS OTHERWISE SPECIFIED.
 - ALL EXPOSED STEEL SHALL BE HOT DIPPED GALVANIZED IN 85 MICRON. NO WELDING & DRILLING IS PERMITTED AFTER GALVANIZED.
 - TYPICAL BAR NOTATION IS AS FOLLOWS.

25 T 10 - 02 - 150 B (6m)

NO. OF BARS
BAR TYPE
T - TOP STEEL
R - MILD STEEL
BAR DIAMETER (mm)

LENGTH OF THE BAR
BAR LOCATION
T - TOP, B - BOTTOM
BAR SPACING (mm)
BAR MARK

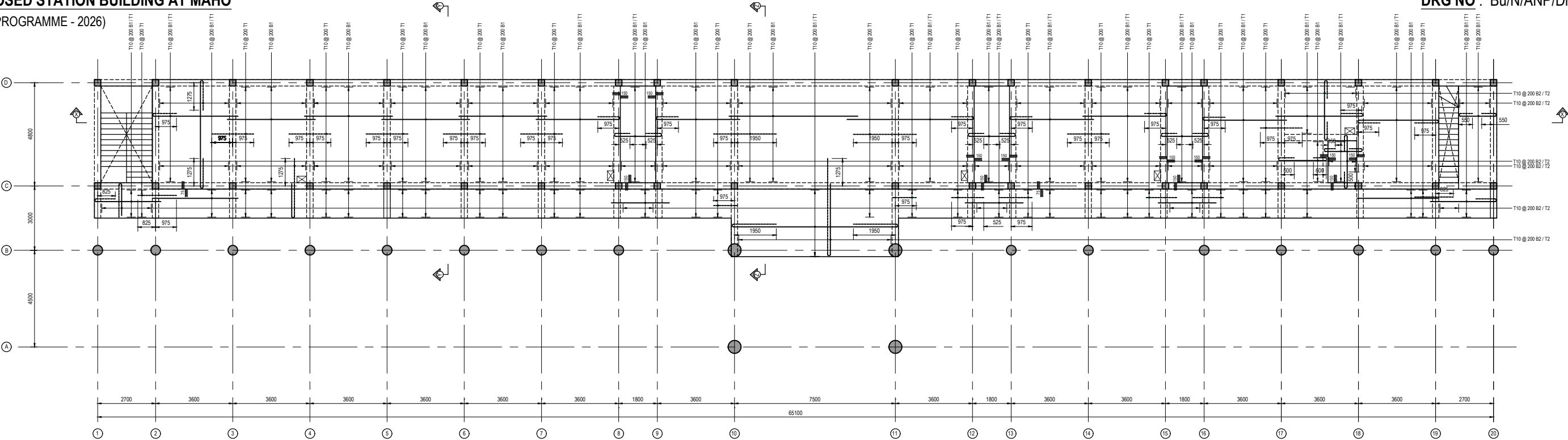
LEGEND:

+4.825 SFL
125mm THK

STRUCTURAL FLOOR LEVEL
SLAB THICKNESS

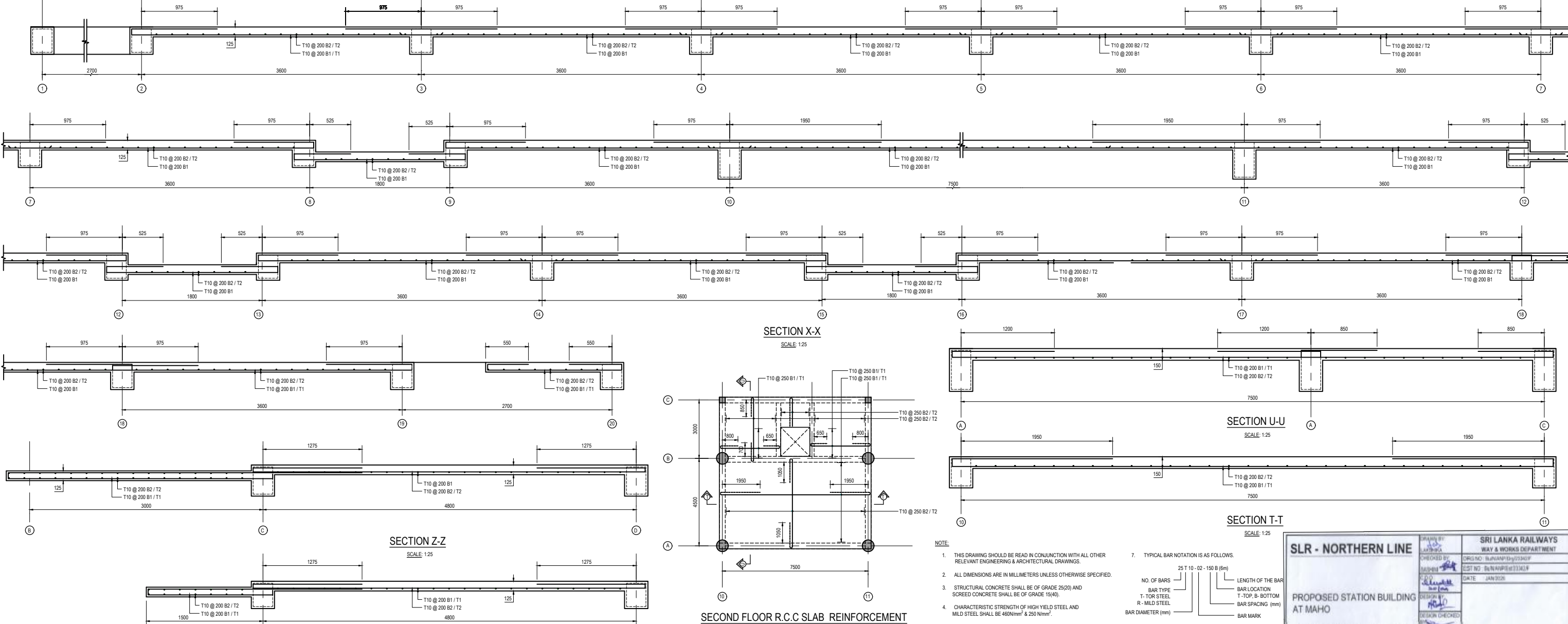
CHP CONCRETE FILLING

SLR - NORTHERN LINE	DESIGNED BY	SRILANKA RAILWAYS
	CHECKED BY	WAY & WORKS DEPARTMENT
	DATE	2025/01/20
	DATE	2025/01/20
PROPOSED STATION BUILDING AT MAHO (FIRST & SECOND FLOOR GENERAL ARRANGEMENT)	DESIGNED BY	
	CHECKED BY	
	DATE	
	DATE	
SCALE: AS SHOWN	PAGE: 18 OF 20	CHIEF ENGINEER



LAYOUT OF FIRST FLOOR R.C.C SLAB REINFORCEMENT

SCALE: 1:100



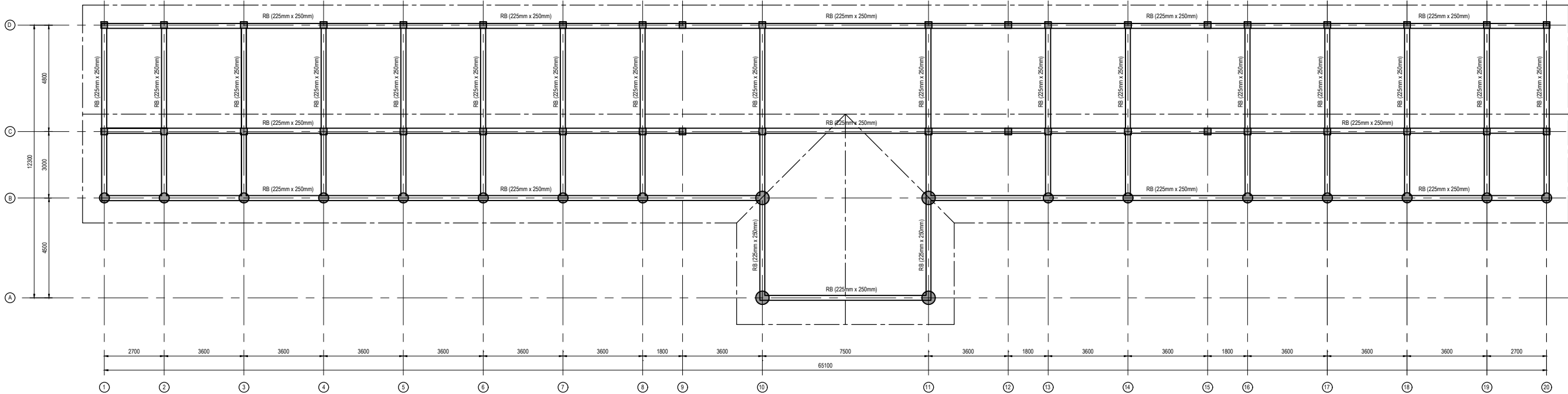
SECOND FLOOR R.C.C SLAB REINFORCEMENT

SCALE: 1:100

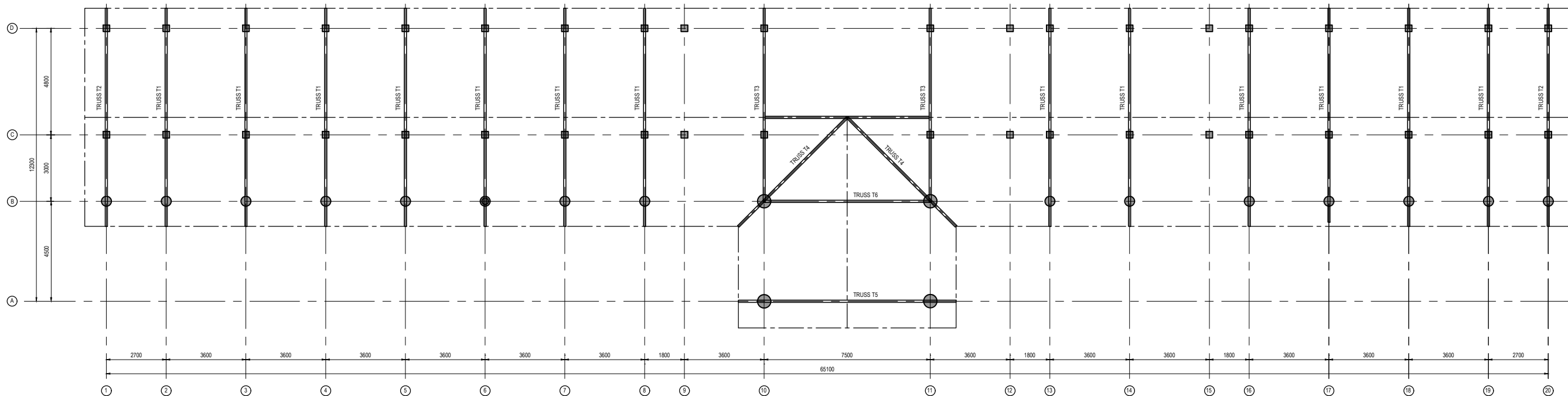
- NOTE:
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERING & ARCHITECTURAL DRAWINGS.
 - ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
 - STRUCTURAL CONCRETE SHALL BE OF GRADE 25(20) AND SCREED CONCRETE SHALL BE OF GRADE 15(40).
 - CHARACTERISTIC STRENGTH OF HIGH YIELD STEEL AND MILD STEEL SHALL BE 460N/mm² & 250 N/mm².
 - MINIMUM CONCRETE COVER TO REINFORCEMENT IS AS FOLLOWS.
BELOW F.F.L. = 40mm
ABOVE F.F.L. = 25mm
 - MINIMUM LAP/ ANCHORAGE SHALL BE 50 TIMES OF THE SMALLER BAR DIAMETER UNLESS OTHERWISE SPECIFIED.

7. TYPICAL BAR NOTATION IS AS FOLLOWS.
- | NO. OF BARS | BAR TYPE | BAR LOCATION | BAR SPACING (mm) | BAR MARK |
|---------------------------|----------------|---------------------|------------------|----------|
| 25 T 10 - 02 - 150 B (6m) | T - TOP STEEL | T - TOP, B - BOTTOM | | |
| | R - MILD STEEL | | | |
8. DISTRIBUTION BARS SHALL BE PROVIDED AS T10 @ 250mm
- LEGEND:
- | SYMBOL | DESCRIPTION |
|--------|------------------------|
| + | STRUCTURAL FLOOR LEVEL |
| THK | SLAB THICKNESS |

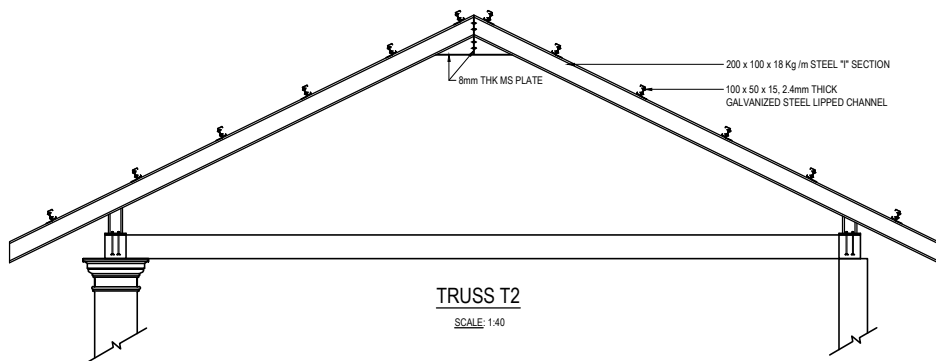
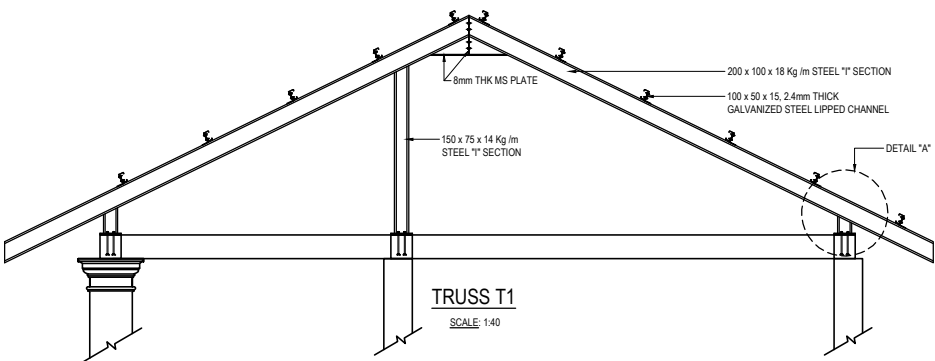
SLR - NORTHERN LINE		SRI LANKA RAILWAYS WAY & WORKS DEPARTMENT	
DESIGNED BY APRIMA	CHECKED BY APRIMA	DRG NO: Bu/N/ANP/Drg/23342/F	EST NO: Bu/N/ANP/03342/F
DATE: JAN 2026	DATE: JAN 2026		
PROPOSED STATION BUILDING AT MAHO (FIRST & SECOND FLOOR SLAB REINFORCEMENT DETAILS)		CHIEF ENGINEER	
SCALE: AS SHOWN		PAGE: 07 OF 03	



LAYOUT OF ROOF BEAMS
SCALE: 1:100

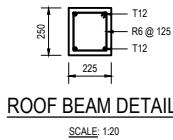


LAYOUT OF TRUSS
SCALE: 1:100



- NOTE:
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERING & ARCHITECTURAL DRAWINGS.
 - ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
 - STRUCTURAL CONCRETE SHALL BE OF GRADE 25(20) AND SCREED CONCRETE SHALL BE OF GRADE 15(40).
 - CHARACTERISTIC STRENGTH OF HIGH YIELD STEEL AND MILD STEEL SHALL BE 460(N/mm²) & 250 N/mm².
 - MINIMUM CONCRETE COVER TO REINFORCEMENT IS AS FOLLOWS:
BELOW F.F.L = 40mm
ABOVE F.F.L = 25mm
 - MINIMUM LAP/ ANCHORAGE SHALL BE 50 TIMES OF THE SMALLER BAR DIAMETER UNLESS OTHERWISE SPECIFIED.
 - ALL EXPOSED STEEL SHALL BE HOT DIPPED GALVANIZED IN 85 MICRON. NO WELDING & DRILLING IS PERMITTED AFTER GALVANIZED.
 - TYPICAL BAR NOTATION IS AS FOLLOWS:

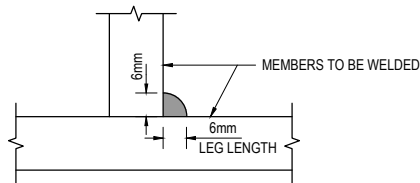
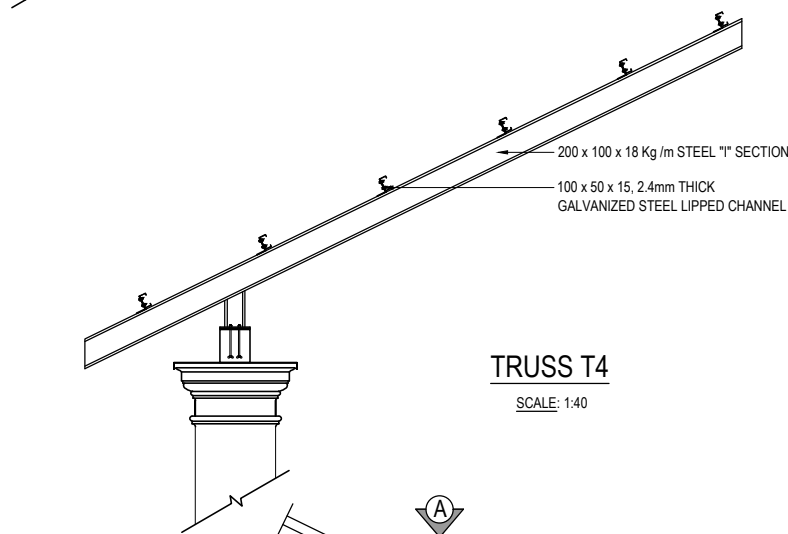
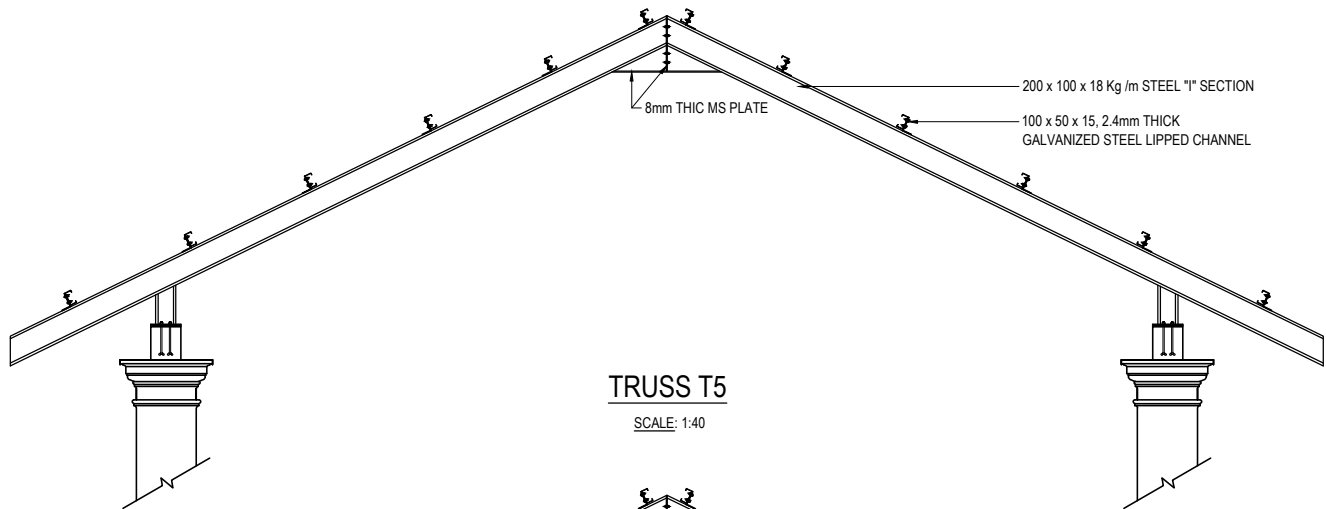
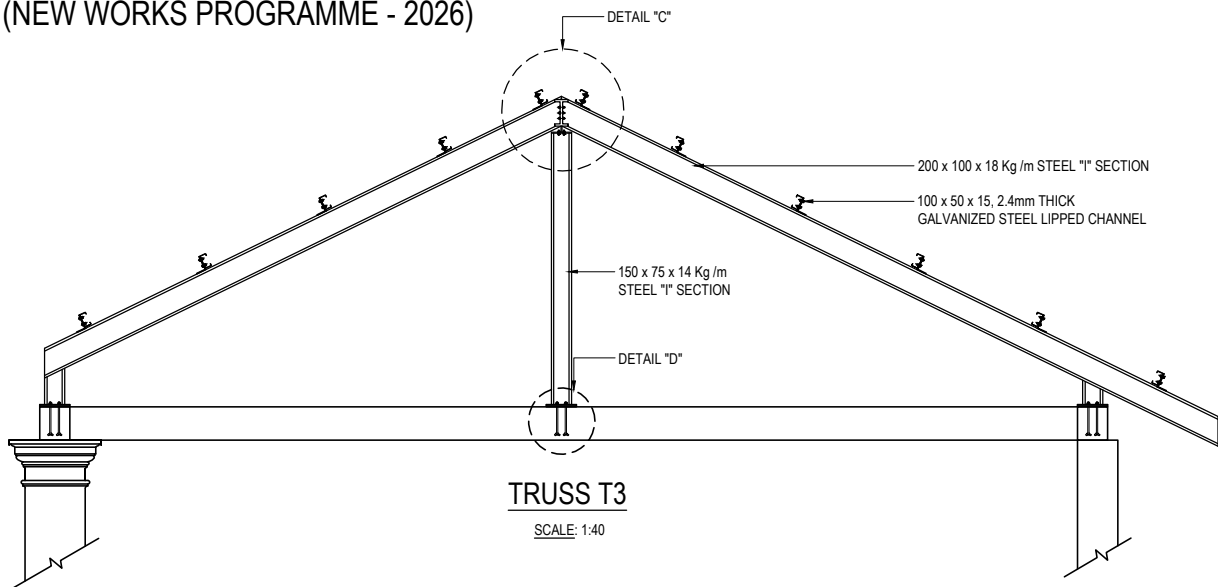
NO. OF BARS	25 T 10 - 02 - 150 B (6m)
BAR TYPE	LENGTH OF THE BAR
T - TOP STEEL	BAR LOCATION
R - MILD STEEL	T - TOP, B - BOTTOM
BAR DIAMETER (mm)	BAR SPACING (mm)
	BAR MARK



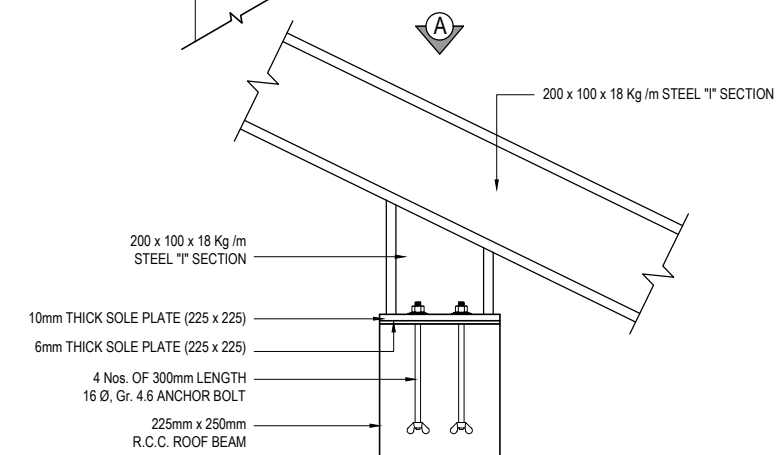
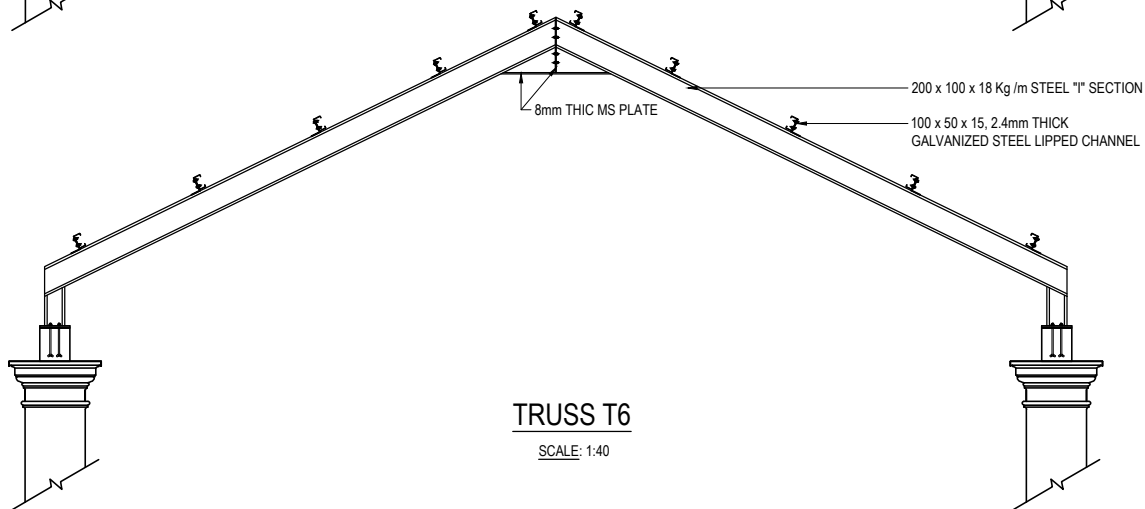
SLR - NORTHERN LINE	PROPOSED STATION BUILDING AT MAHO (LAYOUT OF ROOF BEAMS & TRUSSES)	SCALE: AS SHOWN
DESIGNED BY: [Signature]	CHECKED BY: [Signature]	DATE: 04/03/2025
APPROVED BY: [Signature]	DATE: 04/03/2025	CHIEF ENGINEER

SLR - PROPOSED STATION BUILDING AT MAHO
(NEW WORKS PROGRAMME - 2026)

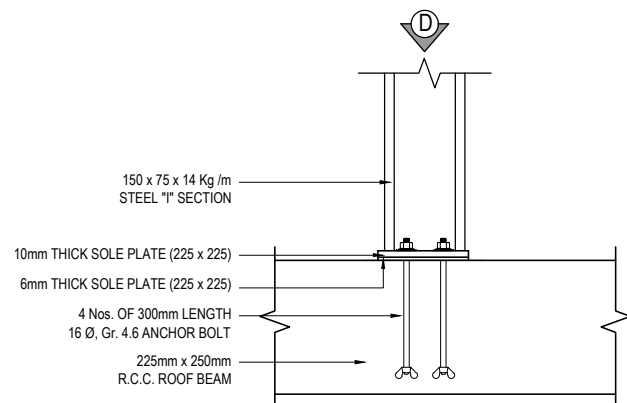
DRG NO : Bu/N/ANP/Drg/23342/G-2



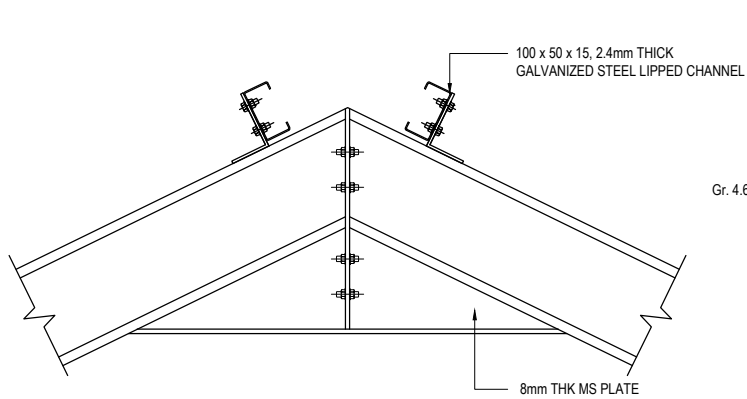
WELDING DETAIL
SCALE: N.T.S



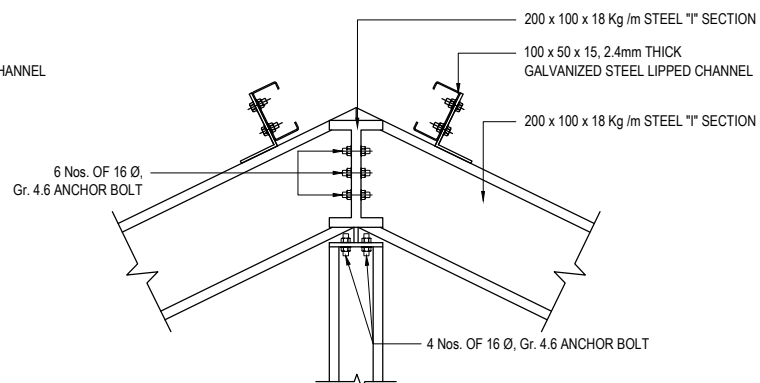
DETAIL "A"
SCALE: 1:10



DETAIL "D"
SCALE: 1:10

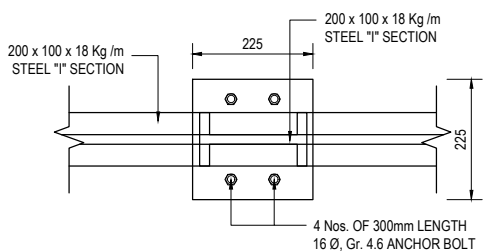


DETAIL "B"
SCALE: 1:10

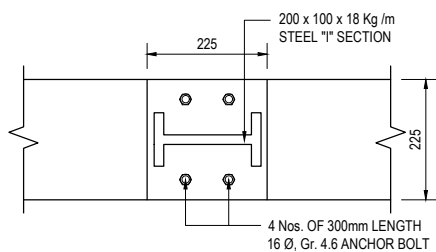


DETAIL "C"
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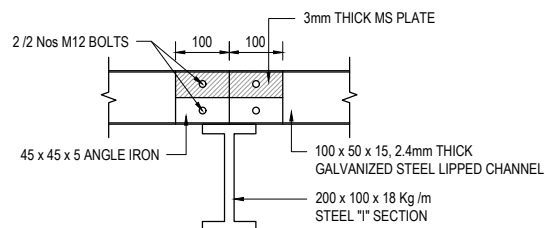
NOTE:
THIS DRAWING IS CONJUNCTION WITH DRAWING NO. Bu/N/ANP/Drg/23342/G-1



VIEW "A"
SCALE: 1:10



VIEW "D"
SCALE: 1:10

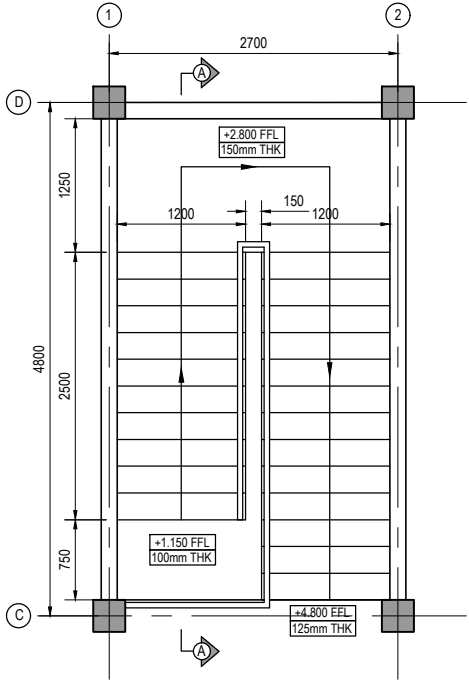


TYPICAL DETAIL AT PURLIN JOINT
SCALE: 1:10

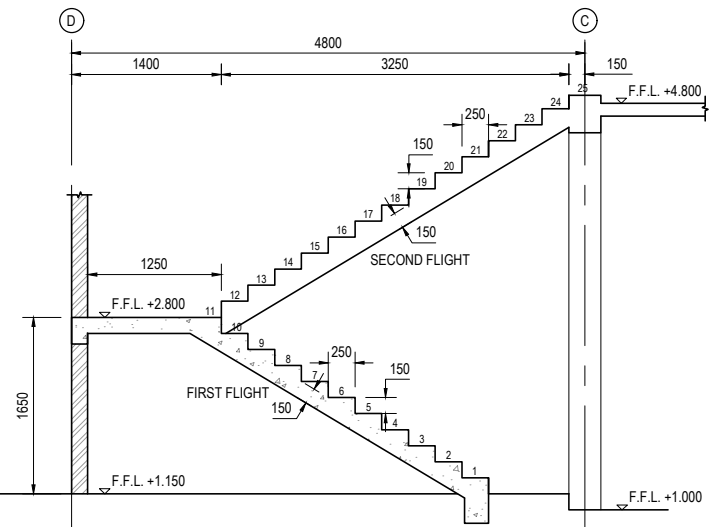
SLR - NORTHERN LINE		SRI LANKA RAILWAYS	
WAY & WORKS DEPARTMENT		WAY & WORKS DEPARTMENT	
CHECKED BY: <i>[Signature]</i>	DRG NO: Bu/N/ANP/Drg/23342/G-2	EST NO: Bu/N/ANP/Drg/23342/G-2	
DATE: JAN 2026	DATE: JAN 2026	DATE: JAN 2026	
PROPOSED STATION BUILDING AT MAHO (ROOF TRUSS DETAIL)		L100 ENGINEER	
SCALE: AS SHOWN	PAGE: 01 OF 20		

SLR - PROPOSED STATION BUILDING AT MAHO
(NEW WORKS PROGRAMME - 2026)

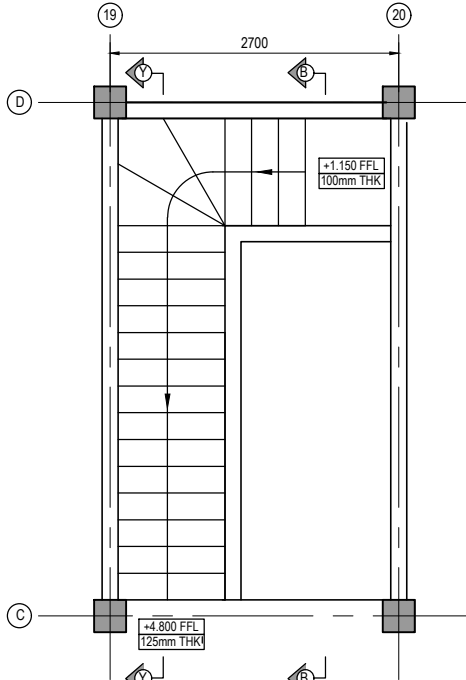
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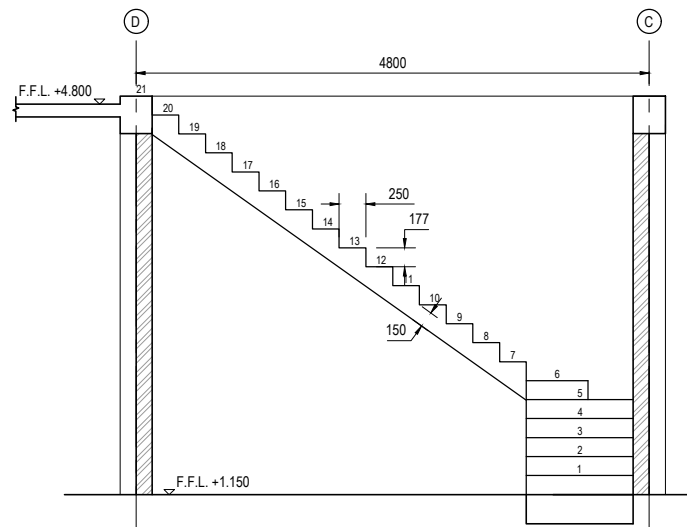
STAIRCASE LAYOUT (GRID 1-2)
SCALE: 1:50



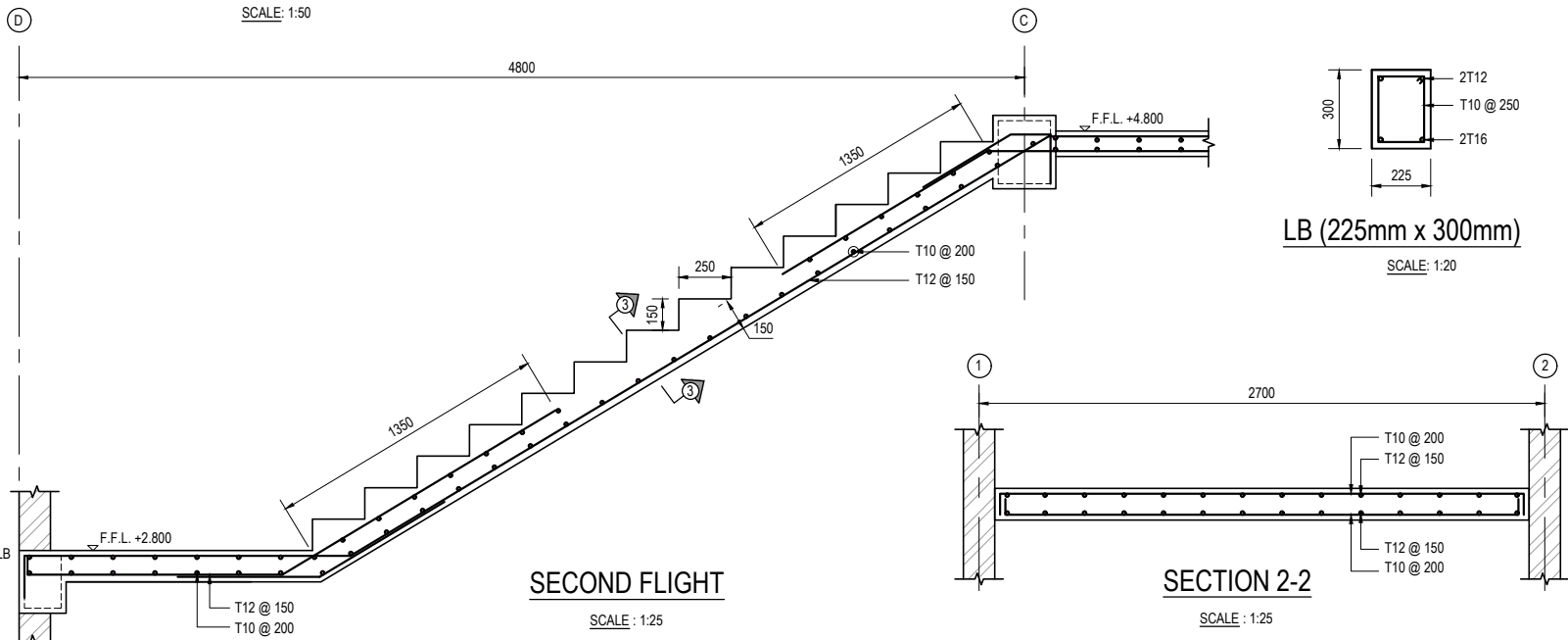
SECTIONAL ELEVATION A-A
SCALE: 1:50



STAIRCASE LAYOUT (GRID 19-20)
SCALE: 1:50

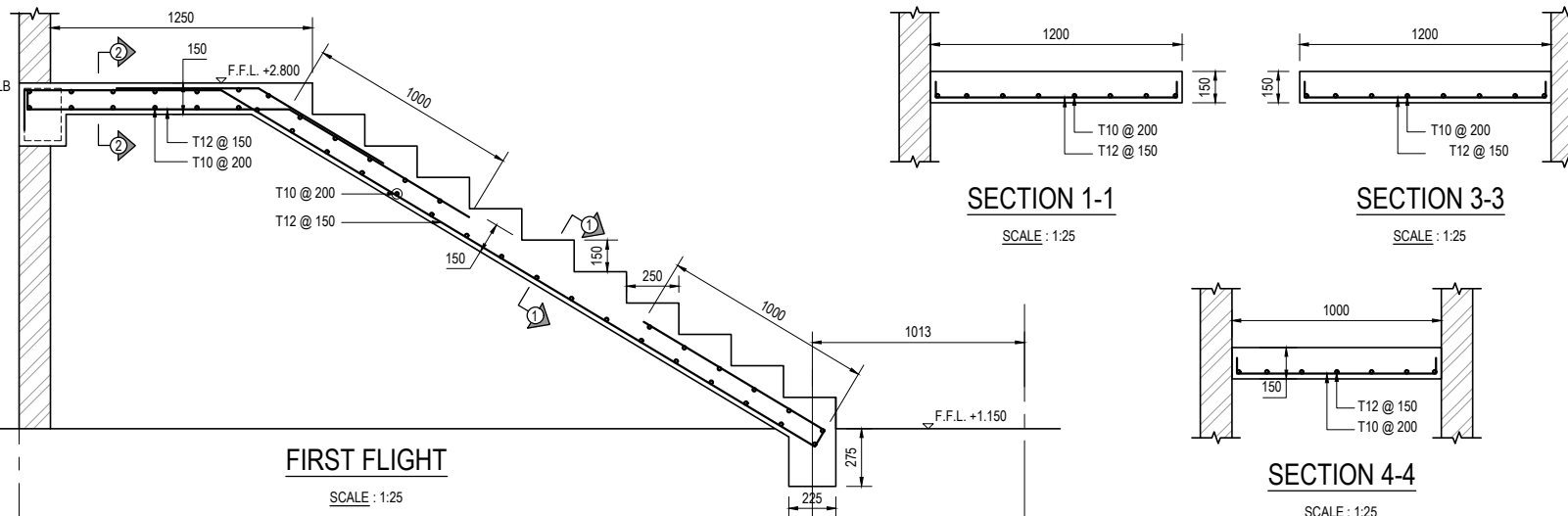


ELEVATION B-B
SCALE: 1:50



SECOND FLIGHT
SCALE: 1:25

SECTION 2-2
SCALE: 1:25

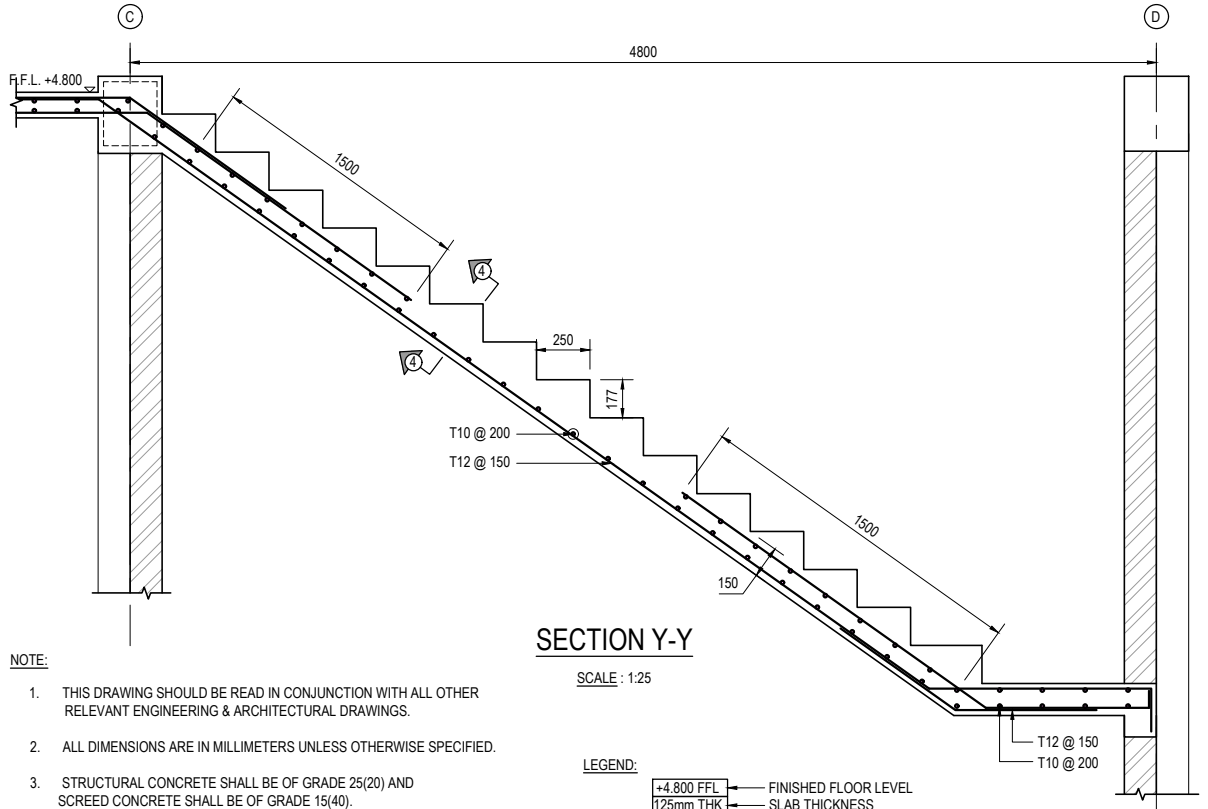


FIRST FLIGHT
SCALE: 1:25

SECTION 1-1
SCALE: 1:25

SECTION 3-3
SCALE: 1:25

SECTION 4-4
SCALE: 1:25



SECTION Y-Y
SCALE: 1:25

- NOTE:
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 - MINIMUM CONCRETE COVER TO REINFORCEMENT IS AS FOLLOWS.
BELOW F.F.L. = 40mm
ABOVE F.F.L. = 25mm
 - MINIMUM LAP/ ANCHORAGE SHALL BE 50 TIMES OF THE SMALLER BAR DIAMETER UNLESS OTHERWISE SPECIFIED.
 - TYPICAL BAR NOTATION IS AS FOLLOWS.

NO. OF BARS	25 T 10 - 02 - 150 B (6m)	LENGTH OF THE BAR
BAR TYPE	T - TOR STEEL	BAR LOCATION
R - MILD STEEL		T - TOP, B - BOTTOM
BAR DIAMETER (mm)		BAR SPACING (mm)
		BAR MARK

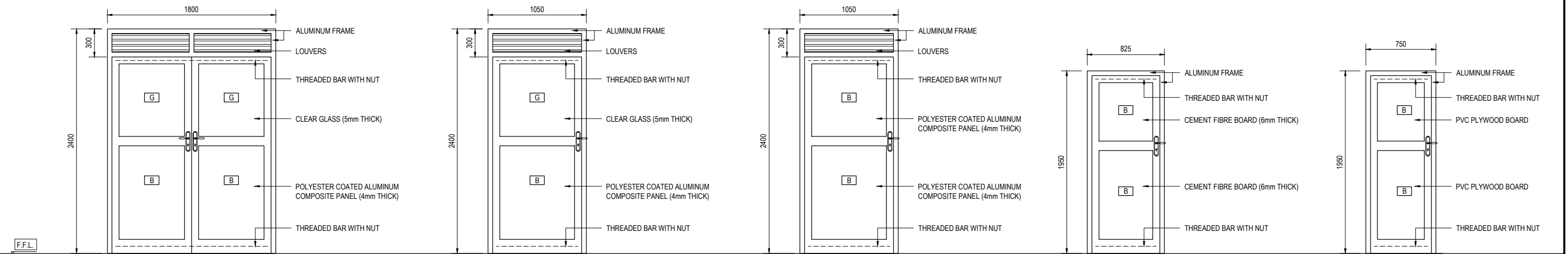
LEGEND:

- +4.800 FFL — FINISHED FLOOR LEVEL
- 125mm THK — SLAB THICKNESS
- 150mm THK — STAIRCASE LANDING THICKNESS

SLR - NORTHERN LINE		SRI LANKA RAILWAYS WAY & WORKS DEPARTMENT	
CHECKED BY: [Signature]	DRG NO: Bu/N/ANP/Drg/23342/H	EST NO: Bu/N/ANP/Est/23342/H	
DESIGNED BY: [Signature]	DATE: JAN 2026	[Signature]	
PROPOSED STATION BUILDING AT MAHO (STAIRCASE R/F DETAILS)		[Signature]	
SCALE: AS SHOWN		PAGE: 10/30	

SLR - PROPOSED STATION BUILDING AT MAHO
(NEW WORKS PROGRAMME - 2026)

DRG NO : Bu/N/ANP/Drg/23342/I



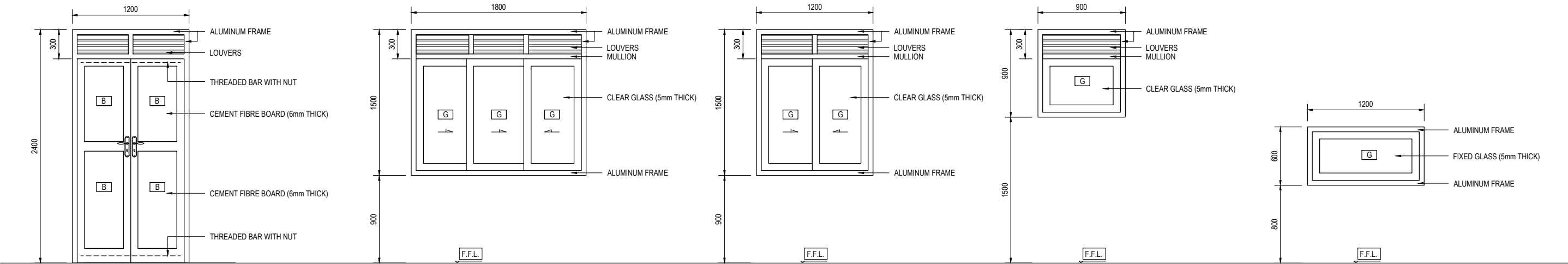
D - 02 NOS
(GLAZED & BOARD OPENABLE DOUBLE DOOR)
SCALE: 1:30

D1 - 16 NOS
(GLAZED & BOARD OPENABLE SINGLE DOOR)
SCALE: 1:30

D2 - 04 NOS
(GLAZED & BOARD OPENABLE SINGLE DOOR)
SCALE: 1:30

D3 - 11 NOS
(BOARD OPENABLE SINGLE DOOR)
SCALE: 1:30

D4 - 13 NOS
(BOARD OPENABLE SINGLE DOOR)
SCALE: 1:30



D5 - 01 NOS
(BOARD OPENABLE DOUBLE DOOR)
SCALE: 1:30

W1 - 47 NOS
SCALE: 1:30

W2 - 02 NOS
SCALE: 1:30

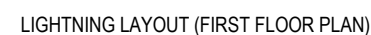
F - 19 NOS
SCALE: 1:30

FG - 01 NOS
SCALE: 1:30

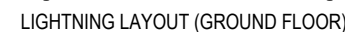
- NOTE:
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 - ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.

ABBREVIATIONS:
F.F.L. - FINISH FLOOR LEVEL

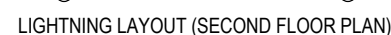
SLR - NORTHERN LINE		SRI LANKA RAILWAYS WAY & WORKS DEPARTMENT	
DRAWN BY: LAKSHYA		DRG NO: Bu/N/ANP/Drg/23342/I	
CHECKED BY: SUDHIN		EST NO: Bu/N/ANP/Est/23342/I	
DATE: 20/01/2026		DATE: JAN/2026	
PROPOSED STATION BUILDING AT MAHO (DOORS & WINDOWS DETAILS)		APPROVED BY:	
SCALE: AS SHOWN		PAGE: 11 OF 20	



SCALE: 1:100



SCALE: 1:100



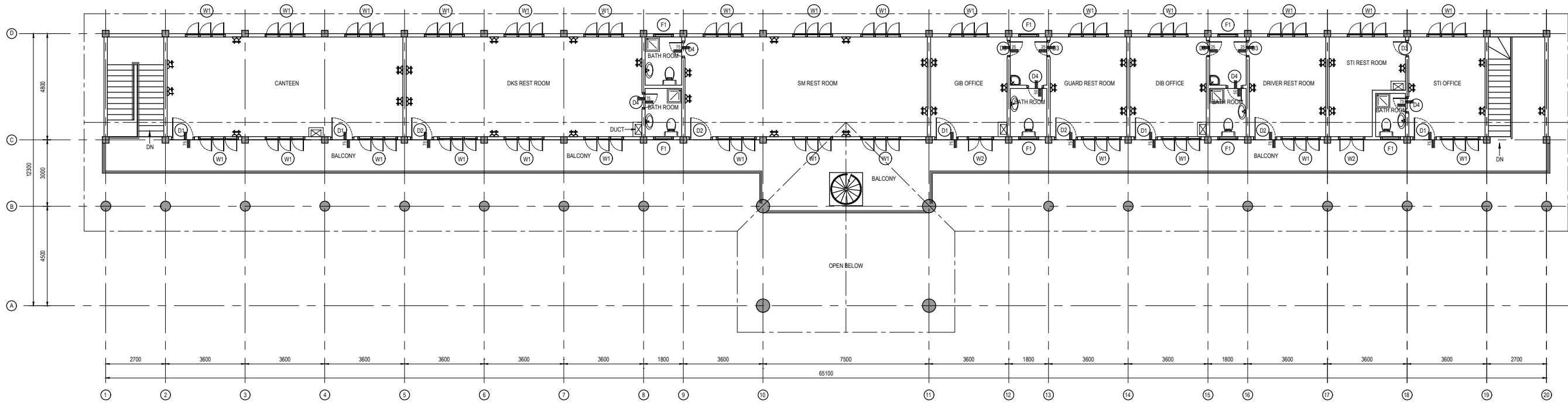
SCALE: 1:100

LEGEND	
	CEB METER
	DISTRIBUTION BOARD/CONSUMER UNIT
	SOFFIT/ RECESSED MOUNTED LED LIGHT FITTING FOR INDOOR USE
	WALL MOUNTED LED DECORATIVE SPOT LIGHT FITTING
	SINGLE SWITCHED GANG SWITCH
	TWO WAY SWITCHED TWO GANG SWITCH
	FAN REGULATOR
	SOFFIT/ CEILING MOUNTED CEILING FAN

NOTES:

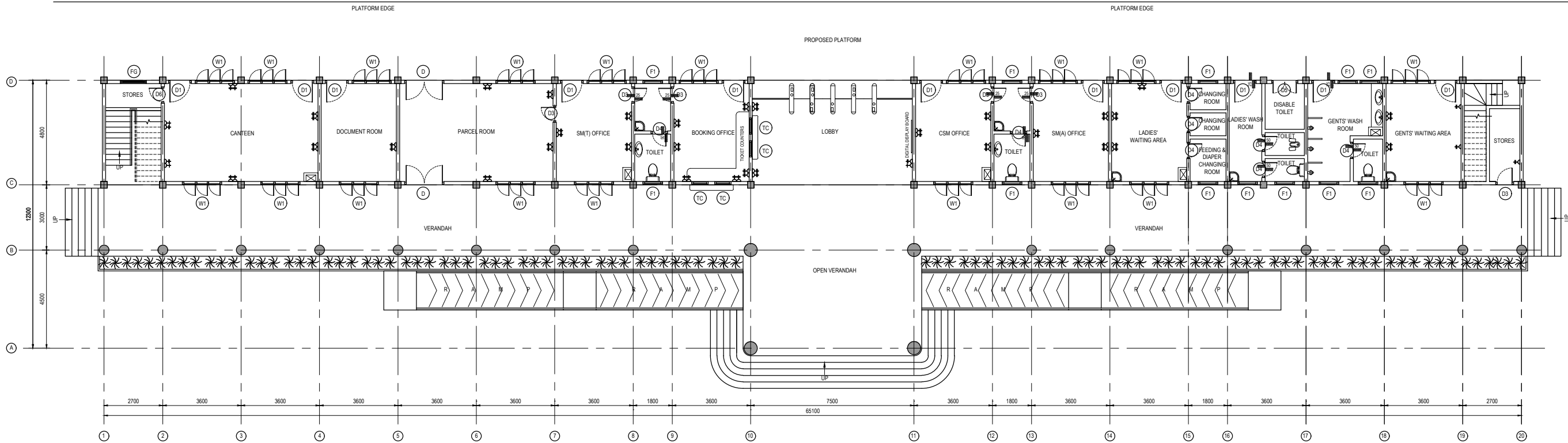
1. ALL ELECTRICAL SERVICES INSTALLATION SHALL BE COMPLY TO THE LATEST APPLICABLE LOCAL CODES & STANDARDS, POWER GRID & POWER SUPPLY & LOCAL AUTHORITIES REQUIREMENTS.
2. THE POSITIONS OF ALL ELECTRICAL SERVICES (EQUIPMENT) DISTRIBUTION BOARDS / FITTINGS / ACCESSORIES / LUMINAIRES / SWITCHES / SWITCH SOCKET OUTLET / ETC) SHOWN ON THE TENDER DRAWINGS ARE INDICATIVE AND SERVE AS A GUIDE ONLY.
3. ALL LIGHT FITTINGS, LIGHTING ACCESSORIES, OUTDOOR OX BOX, OOR DOOR DISTRIBUTION BOARD, ELECTRICAL ACCESSORIES AND EQUIPMENT MOUNTED OUTSIDE BUILDING OR EXPOSED TO WEATHER SHALL BE WEATHERPROOF TYPE, MIN. IP65.
4. ALL PROPOSED EQUIPMENT AND ACCESSORIES SHALL BE SUITABLE FOR USED IN CORROSIVE ENVIRONMENT. STAINLESS STEEL BOLT & NUTS TO BE USED FOR PROJECT.

SLR - NORTHERN LINE		SRI LANKA RAILWAYS WAY & WORKS DEPARTMENT	
CHECKED BY S.A. - <i>[Signature]</i>	(R/S NO. Ba/NAMP/04/23462)	DATE: JAN 2016	
S.A. - <i>[Signature]</i>	(S/T NO. Ba/NAMP/04/23462)		
C.O.O. <i>[Signature]</i>	DESIGN CHECKED <i>[Signature]</i>		
DESIGN <i>[Signature]</i>	S.E. NO. <i>[Signature]</i>		
PROPOSED STATION BUILDING AT MAHO (LIGHTNING LAYOUT)		APPROVED BY <i>[Signature]</i> CHIEF ENGINEER	
T/S/SLR - AS/SH/WRN		PAGE: 11 OF 25	



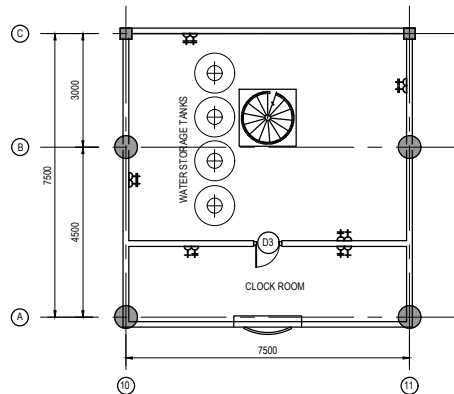
SOCKET LAYOUT (FIRST FLOOR PLAN)

SCALE: 1:100



SOCKET LAYOUT (GROUND FLOOR)

SCALE: 1:100



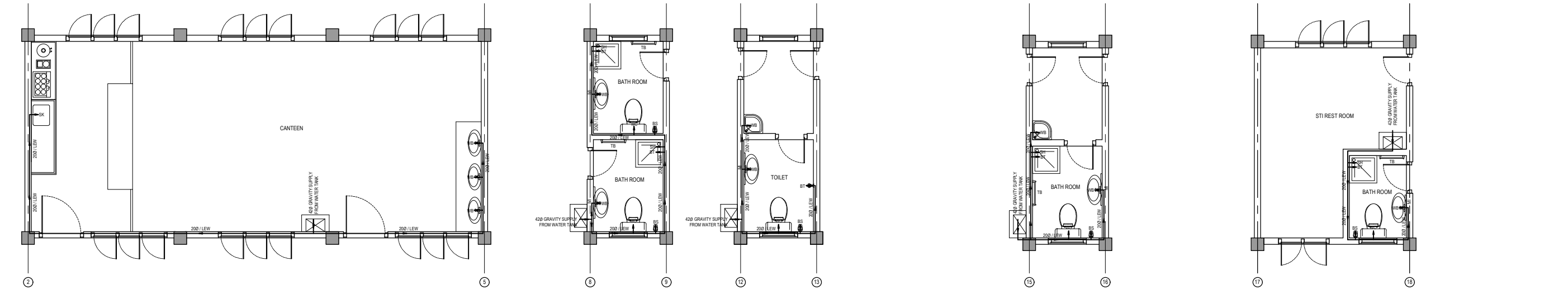
SOCKET LAYOUT (SECOND FLOOR PLAN)

LEGEND	
D+	15A SOCKET OUTLET
D-	13A SOCKET OUTLET

NOTES:

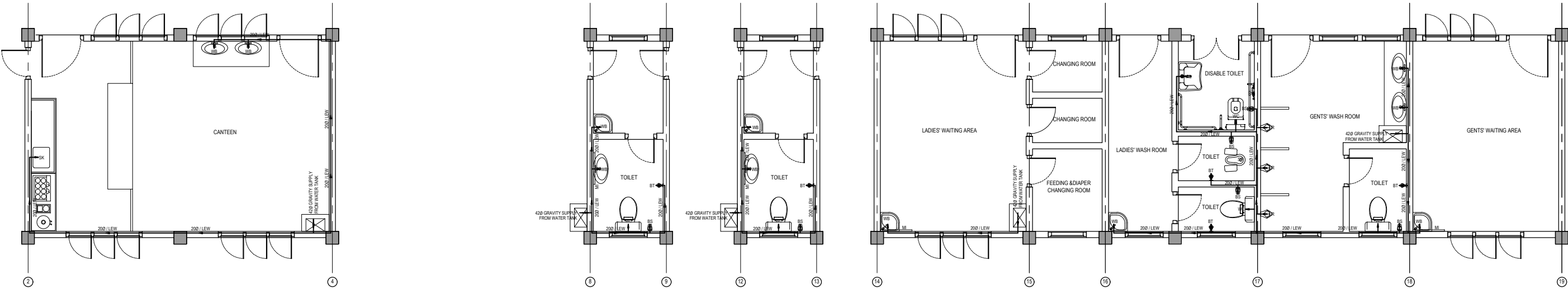
1. ALL ELECTRICAL SERVICES INSTALLATION SHALL BE COMPLY TO THE LATEST APPLICABLE LOCAL CODES & STANDARDS, POWER GRID & POWER SUPPLY & LOCAL AUTHORITIES REQUIREMENTS.
2. THE POSITIONS OF ALL ELECTRICAL SERVICES (EQUIPMENT/ DISTRIBUTION BOARDS / FITTINGS / ACCESSORIES / LUMINAIRES / SWITCHES / SWITCH SOCKET OUTLET / ETC) SHOWN ON THE TENDER DRAWINGS ARE INDICATIVE AND SERVE AS A GUIDE ONLY.
3. ALL LIGHT FITTINGS, LIGHTNING ACCESSORIES, OUTDOOR OG BOX, OUT DOOR DISTRIBUTION BOARDS, ELECTRICAL ACCESSORIES AND EQUIPMENT MOUNTED OUTSIDE BUILDING OR EXPOSED TO WEATHER SHALL BE WEATHERPROOF TYPE (MIN IP65).
4. ALL PROPOSED EQUIPMENT AND ACCESSORIES SHALL BE SUITABLE FOR USED IN CORROSIVE ENVIRONMENT. STAINLESS STEEL BOLT & NUTS TO BE USED FOR PROJECT.

SLR - NORTHERN LINE		SRI LANKA RAILWAYS	
PROPOSED STATION BUILDING AT MAHO		WAY & WORKS DEPARTMENT	
(SOCKET OUTLET LAYOUT)		DRAWING NO: Bu/N/ANP/Drg/23342/K	
SCALE: AS SHOWN		DATE: JAN 2026	
PAGE: 13 OF 25		CHIEF ENGINEER	



WATER SUPPLY SYSTEM (UPPER FLOOR)

PLAN VIEW
SCALE: 1:50



WATER SUPPLY SYSTEM (GROUND FLOOR)

PLAN VIEW
SCALE: 1:50

GENERAL NOTES :

- ALL DIMENSIONS ARE IN MILLIMETRES AND ALL ELEVATIONS ARE IN METRES UNLESS OTHERWISE STATED.
- ALL UPVC PIPE DIAMETERS GIVEN ARE FOR OUTSIDE DIAMETERS, IN MILLIMETRES.
- ALL BUILDING PLUMBING DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT STRUCTURAL, MECHANICAL AND ARCHITECTURAL DRAWINGS.
- ORDINARY PORTLAND CEMENT SHALL BE USED FOR ALL CONCRETE WORKS UNLESS OTHERWISE SPECIFIED.
- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH BS 8110, BS 8007 AND RELEVANT SPECIFICATIONS.
- TESTING OF CONCRETE SHALL BE IN ACCORDANCE WITH BS 1881, UNLESS OTHERWISE SPECIFIED.
- SECONDARY FILLING CONCRETE FOR THE TOILET SHALL BE OF GRADE 25(20) UNLESS OTHERWISE SPECIFIED.
- CONCRETE FOR WATER RETAINING STRUCTURES SHALL BE OF GRADE 35A (20) UNLESS OTHERWISE SPECIFIED.
- SCREED CONCRETE SHALL BE OF GRADE 15(25) UNLESS OTHERWISE STATED.
- NECESSARY PROVISIONS SHALL BE ENSURED FOR PIPES PASSING THROUGH CONCRETE ELEMENT PRIOR TO CARRY-OUT CONCRETING.
- CONCRETE SHALL BE WELL COMPACTED/CONSOLIDATED BY MECHANICAL MEANS AVOIDING ANY SEGREGATION.
- CARE HAS TO BE EXERCISED TO AVOID ANY POSSIBLE BUOYANCY DURING CONSTRUCTION WITH THE INCREASE OF TEMPORARY WATER TABLE.
- EXTERNAL SIDES OF CONCRETE STRUCTURES SHALL BE PRODUCED WITH ROUGH SURFACES TO PROVIDE GOOD FRICTION WITH APPROVED COMPACTED SOIL BACK FILLING.
- COMPACTED EARTH FILL UNDER THE WATER RETAINING STRUCTURE BASE SHOULD BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY OF PROCTOR (MODIFIED) WITHIN 2% OF MOISTURE CONTENT, LIQUID LIMIT AND PLASTICITY INDEX SHOULD NOT EXCEED 25% AND 6% RESPECTIVELY.
- OPEN CUT EXCAVATION SHALL BE REQUIRED SHORING TO FACILITATE SAFE WORKING CONDITIONS.
- GEO - TEXTILE SHOULD BE CLASS 2 TS 50 / TS 65 UNLESS OTHERWISE SPECIFIED.
- APPROPRIATE SLOPE FOR FLOW SHOULD BE MAINTAINED TOWARDS THE DIRECTIONS OF ARROW HEADS.
- ALL THE DETAILS PROVIDED SHALL BE CHECKED WITH THE ACTUAL SITE CONDITIONS AND IMPLEMENTED SUBJECT TO THE PRIOR APPROVAL OF CECB.

- CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND SUBMITTING FOLLOWING DOCUMENTS FOR CECB APPROVAL AT LEAST SIX WEEKS BEFORE THE COMMENCEMENT OF WORKS.
 - METHOD STATEMENT FOR THE WORKS.
 - COORDINATION DRAWINGS.
 - SHOP AND WORKING DRAWINGS.
 - CONSTRUCTION DRAWINGS FOR ALL TEMPORARY WORKS.
- ALL THE EXPOSED TO ENVIRONMENT SHOULD BE HOT DIP GALVANIZED ACCORDING TO BS 729 AND WELDING OR DRILLING IS NOT PERMITTED AFTER THE GALVANIZING.
- ALL STEEL ACCESSORIES WHICH ARE SUBMERGED IN WATER SHALL BE STAINLESS STEEL.
- STAINLESS STEEL SHOULD BE GRADE 316 OR GRADE 304, SUBJECT TO APPROVAL BY ENGINEER.
- STEEL BOL TS TO BE GRADE 4.6 ACCORDING TO BS 5950 UNLESS OTHERWISE STATED..
- ALL GALVANIZED STEEL SHOULD BE PAINTED WITH TWO LAYERS OF APPROVED EPOXY PAINT UNLESS OTHERWISE STATED.
- WASHER NOT SHOWN FOR CLARITY AND IT SHALL BE PROVIDED AT BOTH SIDES OF THE NUT AND BOLT JOINT.
- BRICK MASONRY SHALL BE IN 1:6 CEMENT-SAND MORTAR AND MINIMUM COMPRESSIVE STRENGTH OF BRICKS SHALL BE 2 N/mm².
- MORTAR FOR RUBBLE MASONRY SHALL BE IN 1:6 CEMENT-SAND.
- APPROVED WATERPROOFING SHALL BE USED INTERNALLY AND EXTERNALLY FOR WALLS AND BASE OF SUMPS/TANKS UNLESS OTHERWISE SPECIFIED.
- INTERNALLY PLASTERING OF MANHOLES SHALL BE CARRIED OUT WITH MINIMUM 12mm TK. 1:3 CEMENT SAND MORTAR AND FINISHED SMOOTH WITH CEMENT FLOATING.

WATER SUPPLY :

- WATER SUPPLY PIPE LINES SHALL BE UPVC TYPE 1000 UNLESS OTHERWISE SPECIFIED IN PLUMBING DRAWINGS.
- ALL WATER SUPPLY LINES INSIDE THE DUCTS SHALL BE FIXED TO WALL WITH SPACER BLOCKS AND BRACKETS AT INTERVAL OF NOT EXCEEDING 1000mm.
- MAXIMUM PIPE DIAMETER TO BE EMBED IN WALLS SHALL BE 400.

SEWER AND WASTEWATER DISPOSAL :

- ALL SEWER / WASTEWATER EXTERNAL PIPE LINES SHALL BE UPVC TYPE 600 UNLESS OTHERWISE SPECIFIED.
- HOLES PROVIDED IN THE SOAKAGE PIT SHOULD BE COVERED EXTERNALLY BY AN APPROVED QUALITY GEO-TEXTILE TO PREVENT ENTERING SOIL BACK INTO THE SOAKAGE PIT.
- DUE CARE SHALL BE EXERCISED WHEN PLACING AGGREGATES FILTER MEDIA TO AVOID POTENTIAL DAMAGE TO PIPE LINES WHERE APPLIES.
- SLOPE OF PIPES INSIDE TOILET AND PIPES FROM TOILET TO INITIAL MANHOLES & CATCH PITS SHALL 1:50 AND SLOPE OF PIPE BETWEEN MANHOLES & CATCH PITS ARE TABULATED BELOW.

PIPE SLOPES		
DIAMETER (mm)	SLOPE (MIN.)	SLOPE (MAX.)
63	1:50	1:50
75	1:60	1:50
90	1:75	1:50
110	1:80	1:50
160	1:120	1:80
225	1:150	1:120
- THE SEWER LINES BETWEEN ANY TWO MANHOLES SHOULD BE STRAIGHT AND THE DISTANCE BETWEEN TWO MANHOLES SHOULD NOT BE EXCEEDED 25m.
- MINIMUM DEPTH TO GROUND WATER TABLE FROM BOTTOM OF SOAKAGE PIT SHOULD BE MAINTAINED AS INDICATED IN RELEVANT DRAWING.

- ALL SOAKAGE PIT SHALL BE LOCATED AT LEAST 18m AWAY FROM THE NEAREST WELL OR OTHER DRINKING WATER SOURCES.
- ALL SOAKAGE PIT SHALL BE 5m AWAY FROM THE NEAREST BUILDING.
- ALL WASTEWATER DRAIN TRAPS/ GULLIES SHOULD ENSURE A MINIMUM 25mm WATER SEAL.
- FLOOR SHALL BE FINISHING WITH A MILD SLOPE TOWARDS FLOOR GULLIES.
- 10mm GAP OF ACCESS MANHOLES COVER SHALL BE FILLED WITH APPROVED MASTIC COMPOUND TO PREVENT FROM SURFACE WATER INGRESS INTO THE MANHOLES.
- SLOPE OF THE PERFORATED PIPES IN SEEPAGE BED SHALL BE 1:200.
- HOT DIPPED GALVANIZED IRON RUNGS SHALL BE PROVIDED WHEN MANHOLES AND WATER SEAL CATCH PIT DEPTH EXCEED 750mm.

- RUNGS SHALL BE HORIZONTALLY STAGGERED AND MAXIMUM DISTANCE BETWEEN RUNGS IS 300mm.
- BENCHING SHALL BE IN GRADE 20(20) CONCRETE AND RENDERING SHALL BE IN 1:3 CEMENT SAND MORTAR AND FINISHED SMOOTH WITH CEMENT FLOATING.
- DIMENSIONS OF MANHOLE AND WATER SEAL CATCH PITS ARE TABULATED BELOW.

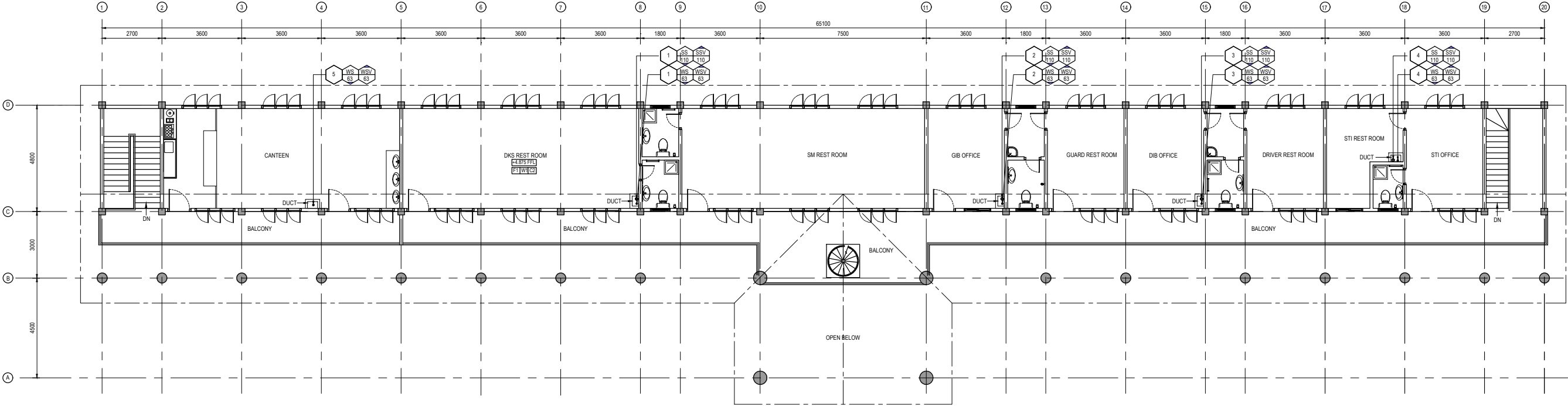
WATER SEAL CATCH PIT DIMENSIONS				
CATCH PIT DEPTH-C (mm)	PLAN DIMENSIONS		WALL & BASE	COVER SIZE
	A (mm)	B (mm)	t (mm)	(mm)
UPTO 450	450	450	100	550X550X100 (TK)
450 - 750	600	600	150	750X750X100 (TK)

MANHOLE DIMENSIONS					
MANHOLE DEPTH	PLAN DIMENSIONS		WALL & BASE THICKNESSES	TOP SLAB THICKNESS	
	A (mm)	B (mm)	t (mm)	M (mm)	N (mm)
UP TO 600	600	600	150	150	200
600 - 900	750	750	150	150	200
900 - 1800	900	900	150	150	200

ABBREVIATIONS:

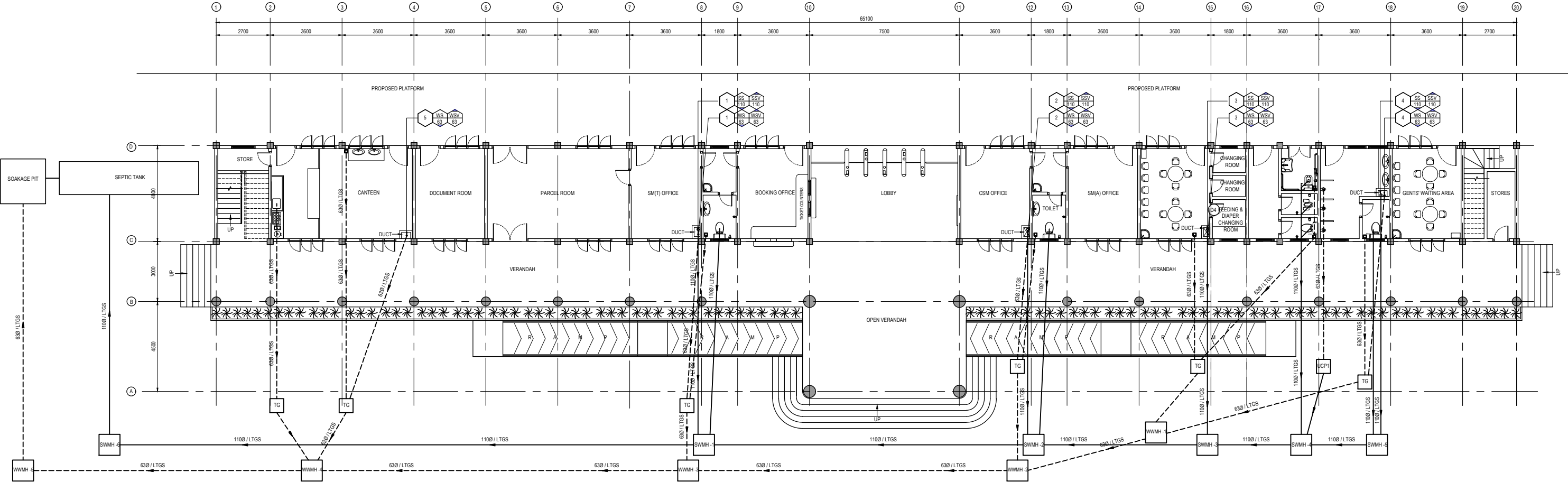
- LEW - LINE EMBEDDED TO WALL
LTGS - LINE THROUGH GROUND SOIL
LTSCF - LINE THROUGH SECOND STAGE CONCRETE FILLING
WC - WATER CLOSET
SP - SQUATTING PAN
SK - KITCHEN SINK
UR - URINAL
WB - WASH BASIN
BS - HAND BIDET SHOWER
BT - BIB TAP
SH - SHOWER
MI - MIRROR

SLR - NORTHERN LINE PROPOSED STATION BUILDING AT MAHO (WATER SUPPLY SYSTEM)	DESIGNED BY J. JAYARAJA	SRI LANKA RAILWAYS WAY & WORKS DEPARTMENT DRG NO: Bu/N/ANP/Drg/23342/L SET NO: Bu/N/ANP/23342/L DATE: JAN 2026 CHIEF ENGINEER
	CHECKED BY S. S. S. S. S.	
	DESIGNED BY J. JAYARAJA	
	DESIGN CHECKED BY S. S. S. S. S.	
SCALE: AS SHOWN	PAGE: 14 OF 20	



FIRST FLOOR PLAN

SCALE: 1:100

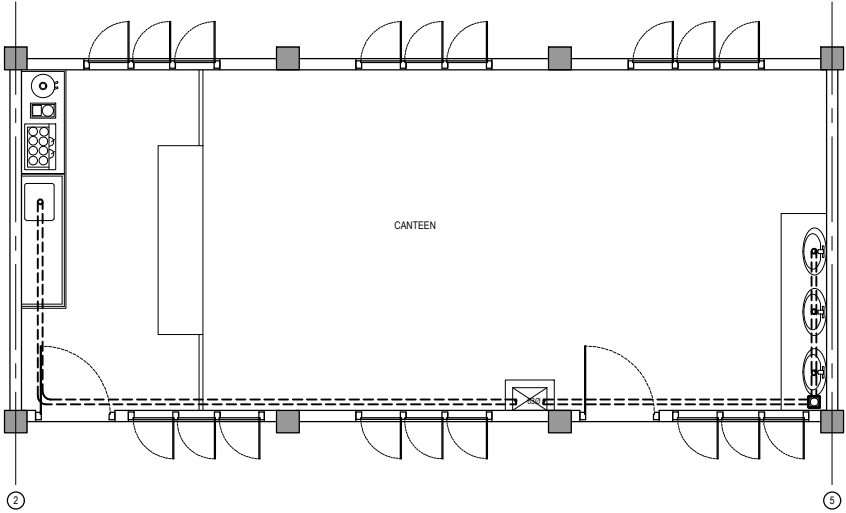


GROUND FLOOR PLAN

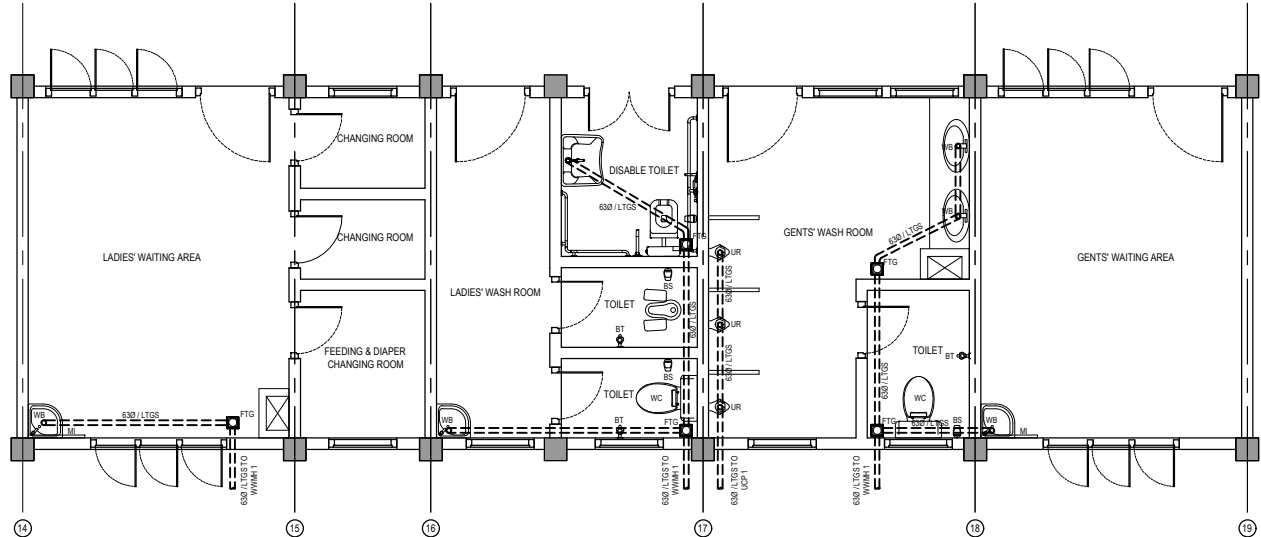
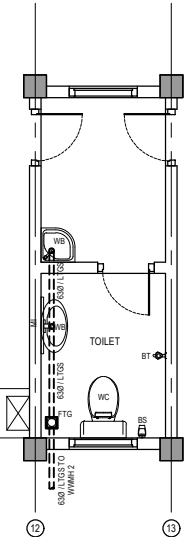
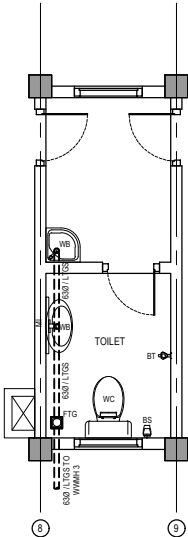
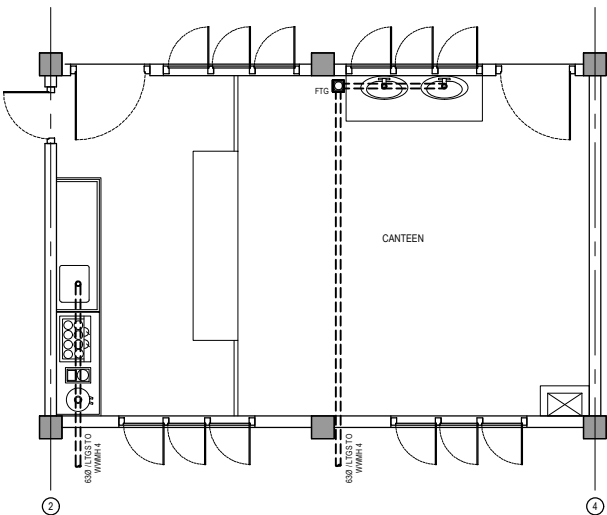
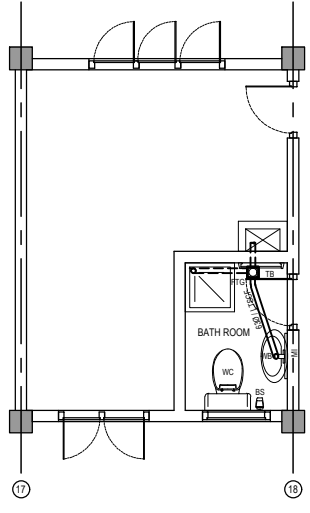
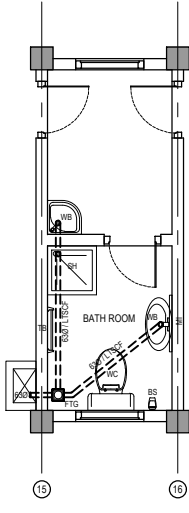
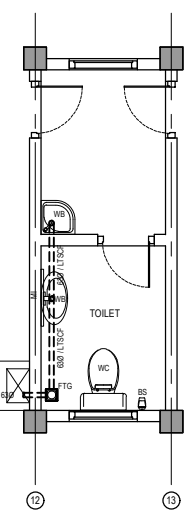
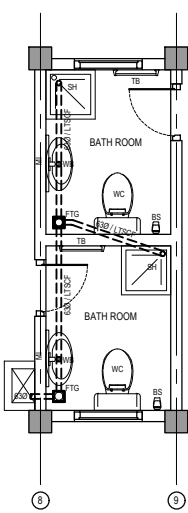
SCALE: 1:100

- ABBREVIATIONS:
- LTGS - LINE THROUGH GROUND SOIL
 - S.S - SEWAGE STACK
 - W.S - WASTE STACK
 - S.S.V - SEWAGE STACK VENT
 - W.S.V - WASTE STACK VENT
 - FTG - FLOOR TRAP GULLY
 - TG - TRAP GULLY
 - WWMH - WASTE WATER MANHOLE
 - SWMH - SEWER MANHOLE
 - UCP - URINAL CATCH PIT

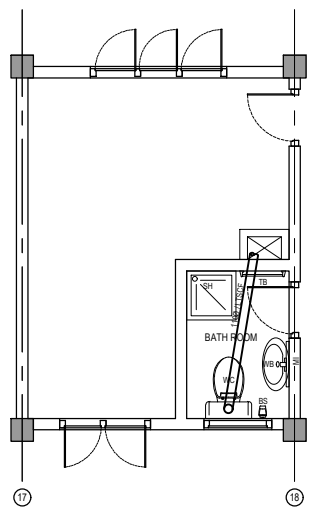
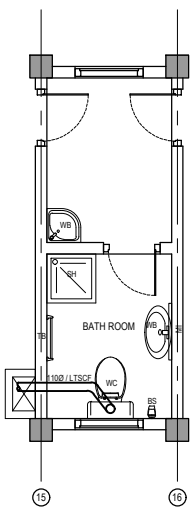
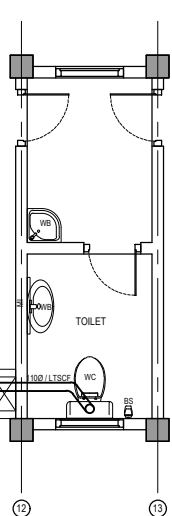
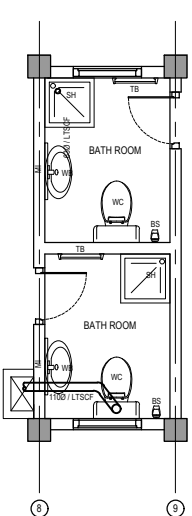
SLR - NORTHERN LINE		SRI LANKA RAILWAYS WAY & WORKS DEPARTMENT	
DESIGNED BY	DATE	CHECKED BY	DATE
ESTD NO: BUNANPEAKKASAM		ESTD NO: BUNANPEAKKASAM	
PROPOSED STATION BUILDING AT MAHO		WASTE WATER & SEWER DISPOSAL LAYOUT	
SCALE: AS SHOWN		PAGE: 15 OF 31	
APPROVED BY		CHIEF ENGINEER	



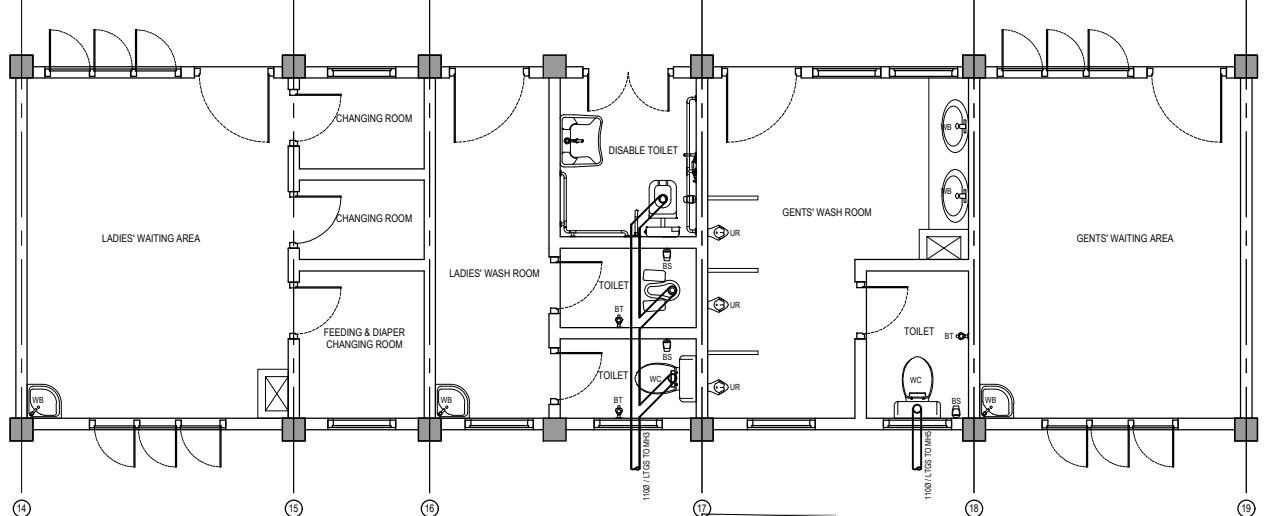
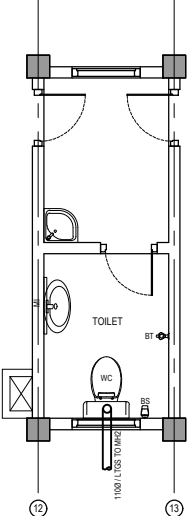
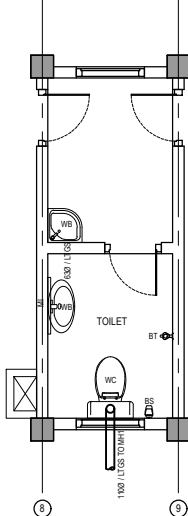
WASTE WATER DISPOSAL SYSTEM (UPPER FLOOR)
PLAN VIEW
SCALE: 1:50



WASTE WATER DISPOSAL SYSTEM (GROUND FLOOR)
PLAN VIEW
SCALE: 1:50



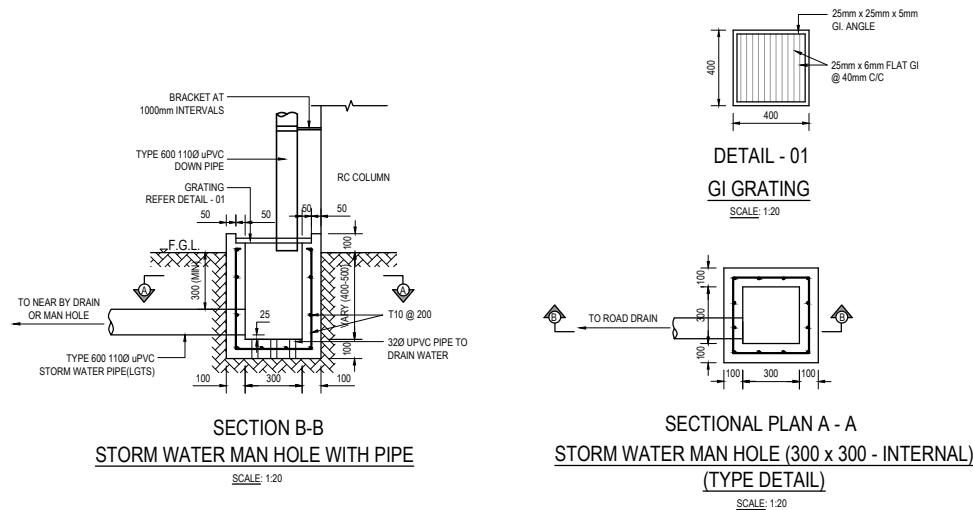
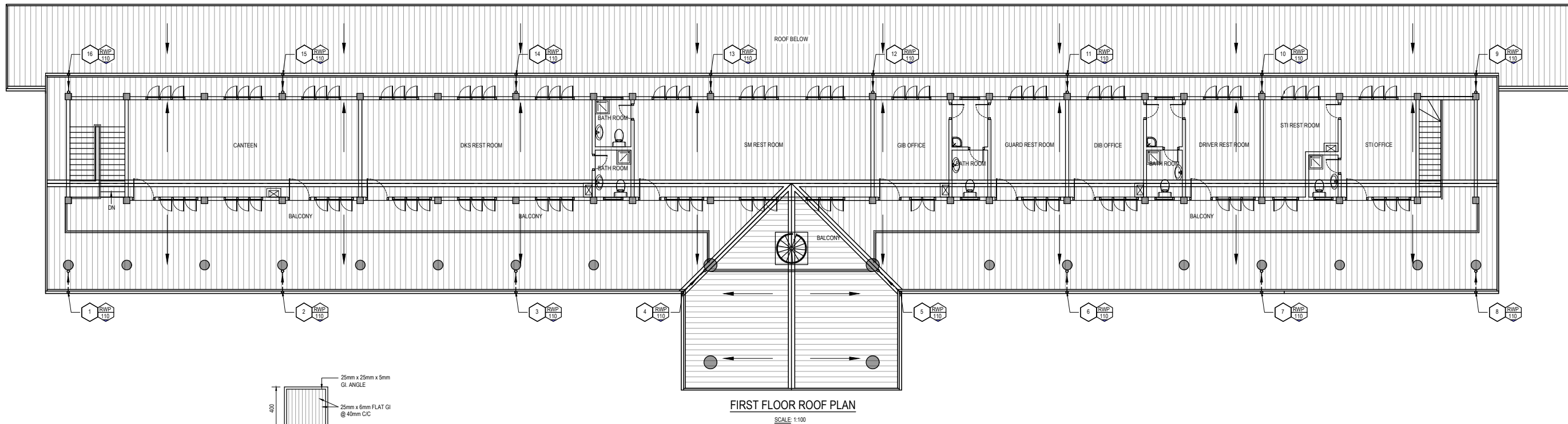
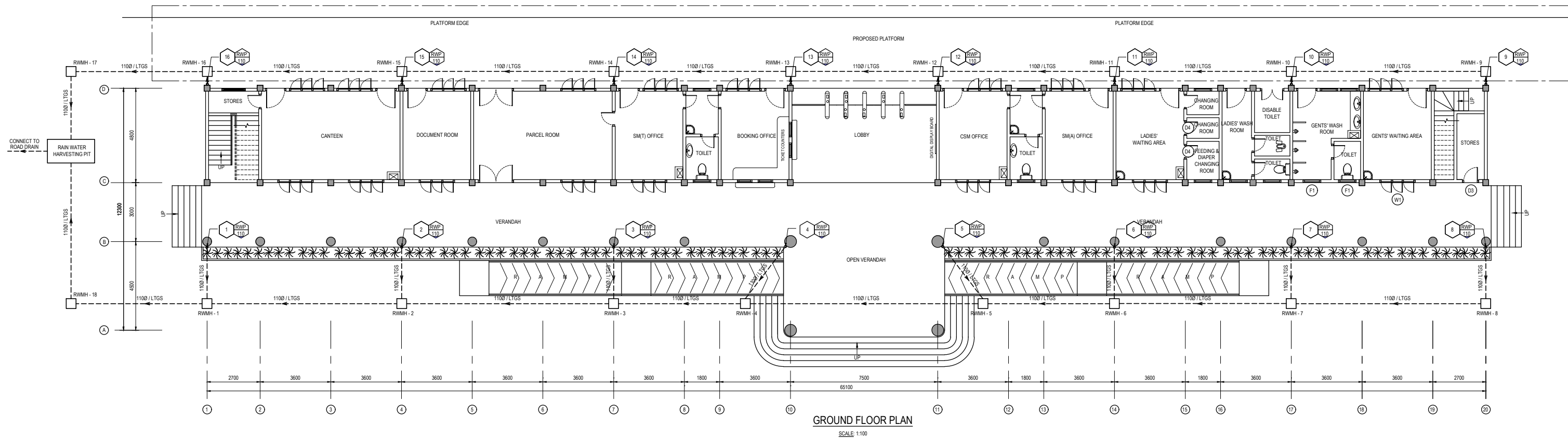
SEWER DISPOSAL SYSTEM (UPPER FLOOR)
PLAN VIEW
SCALE: 1:50



SEWER DISPOSAL SYSTEM (GROUND FLOOR)
PLAN VIEW
SCALE: 1:50

- ABBREVIATIONS:
- LTGS - LINE THROUGH GROUND SOIL
 - LTSCF - LINE THROUGH GROUND SOIL CONCRETE FILLING
 - WC - WATER CLOSET
 - SP - SQUATTING PAN
 - UR - URINAL
 - WB - WASH BASIN
 - BS - HAND BIDET SHOWER
 - BT - BIB TAP
 - SH - SHOWER
 - MI - MIRROR

SLR - NORTHERN LINE		SRI LANKA RAILWAYS WAY & WORKS DEPARTMENT	
PROPOSED STATION BUILDING AT MAHO		DRG NO: Bu/N/ANP/Drg/23342/N	
(WASTE WATER & SEWER DISPOSAL SYSTEM)		EST NO: Bu/N/ANP/Est/23342/N	
SCALE: AS SHOWN		DATE: JAN 2026	
PAGE: 15 OF 28		CHIEF ENGINEER	



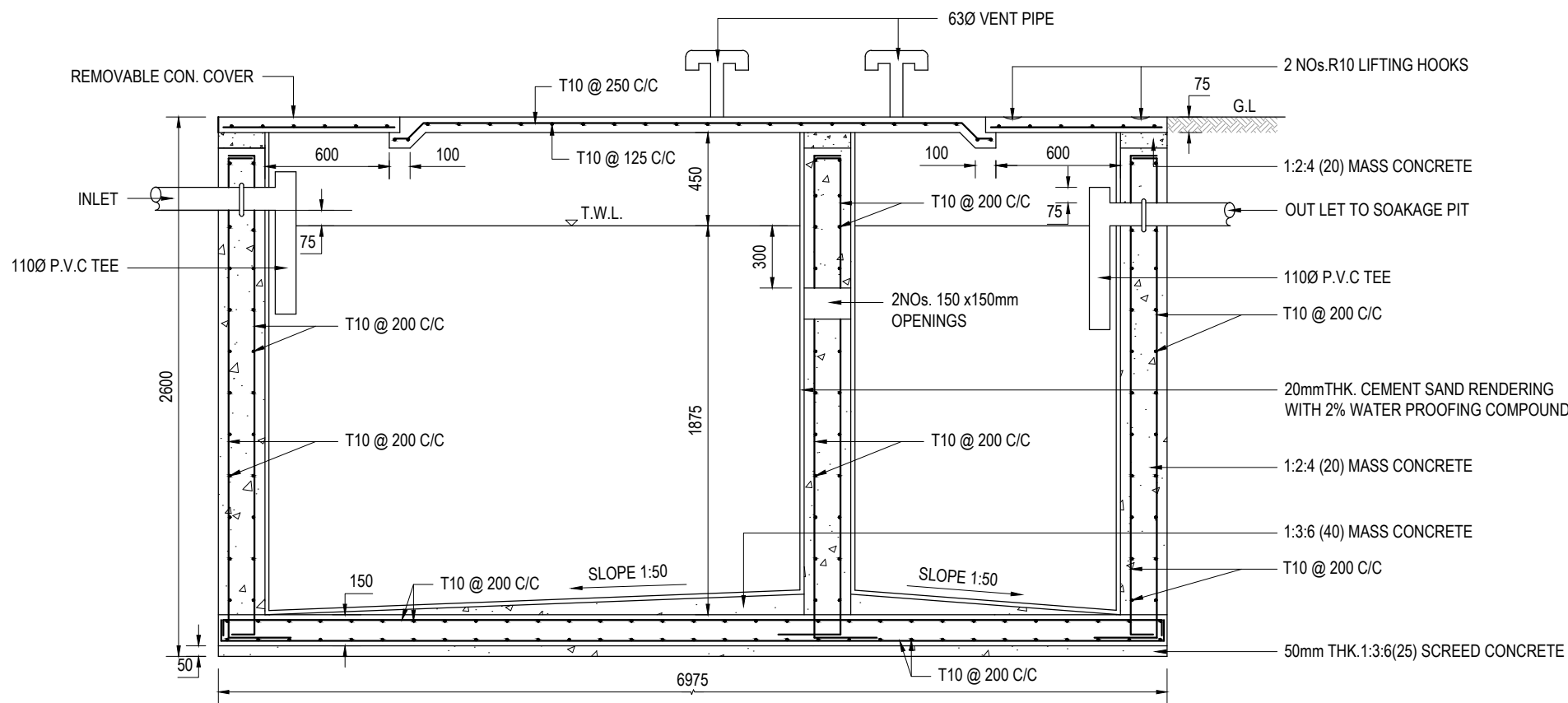
- NOTES:
1. THE PIPE LINES BETWEEN ANY OF TWO STORM WATER MANHOLES SHOULD BE STRAIGHT AND NOT BE PLACED APART 30m.
 2. ALL RAIN WATER DOWN PIPES SHALL BE UPVC TYPE 600 EXCEPT FOR 315mmØ
 3. RAIN WATER STACK SHALL BE 315mmØ AND TYPE 1000.
 4. FLOORS OF BALCONIES, ROOF SLABS AND TERRACE SHALL BE SLOPED WITH A GRADIENT OF 1:200 TOWARDS THE DIRECTION OF ARROWS.
 5. DOWN PIPES SHALL BE BRACKETED TO WALL / COLUMN AT MAXIMUM OF 1000mm INTERNAL C/C AS PER THE MANUFACTURER'S SPECIFICATION.
 6. ALL BRACKETS SHOULD BE PROVIDED AT EITHER SIDE OF A JOINT.
 7. GUTTERS SHALL BE SLOPED AT A GRADIENT OF 1:400 TOWARDS THE NEAREST DOWN PIPE.
 8. RAIN WATER DRAINS SHALL BE SLOPED AT A GRADIENT OF 1:200 THE DIRECTION OF ARROWS.

ABBREVIATIONS:

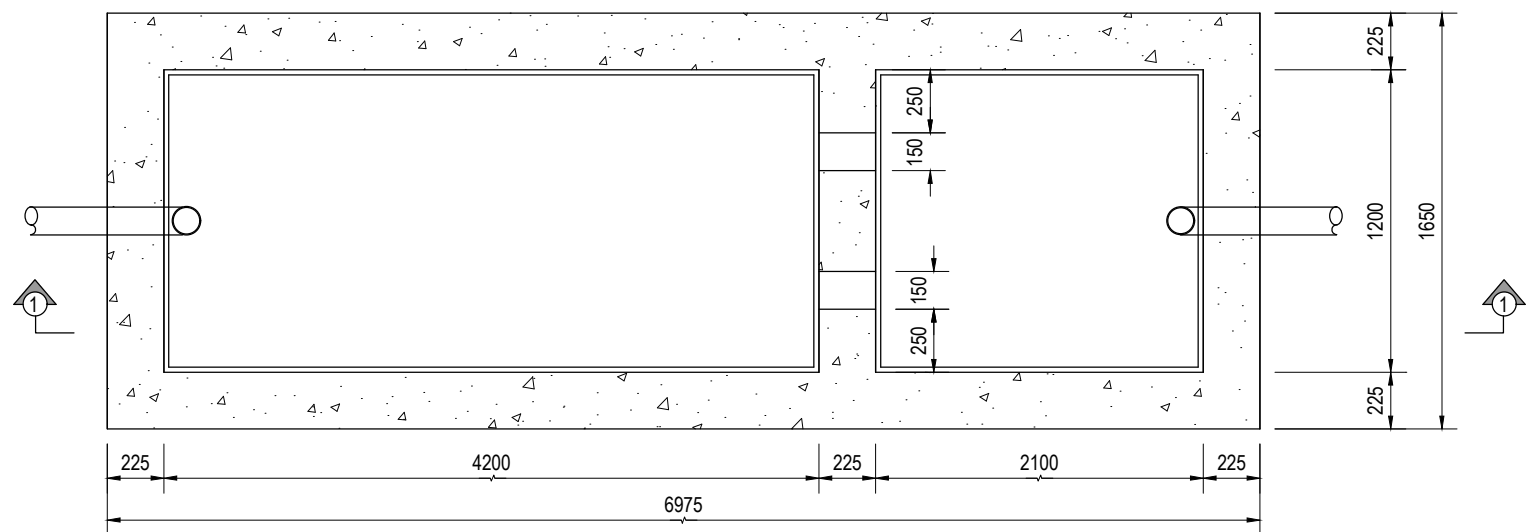
F.G.L. - FINISH GROUND LEVEL
R.W.P. - RAIN WATER DOWN PIPE
RWMH - RAIN WATER MANHOLE
LTGS - LINE THROUGH GROUND SOIL

SLR - PROPOSED STATION BUILDING AT MAHO

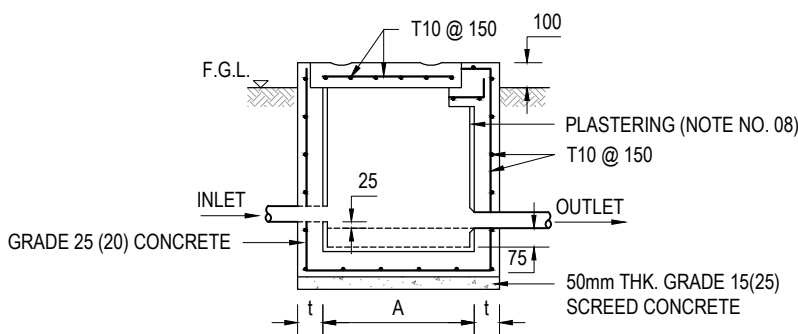
DRG NO : Bu/N/ANP/Drg/23342/P



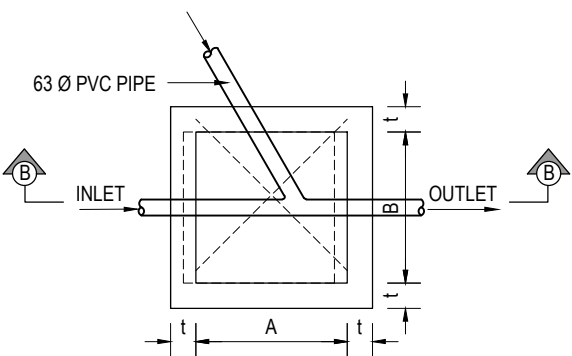
SECTION 1-1



PLAN
SEPTIC TANK
SCALE: 1:30



SECTION A-A



PLAN
TYPICAL DETAIL OF WASTE WATER MANHOLE
SCALE: 1:30

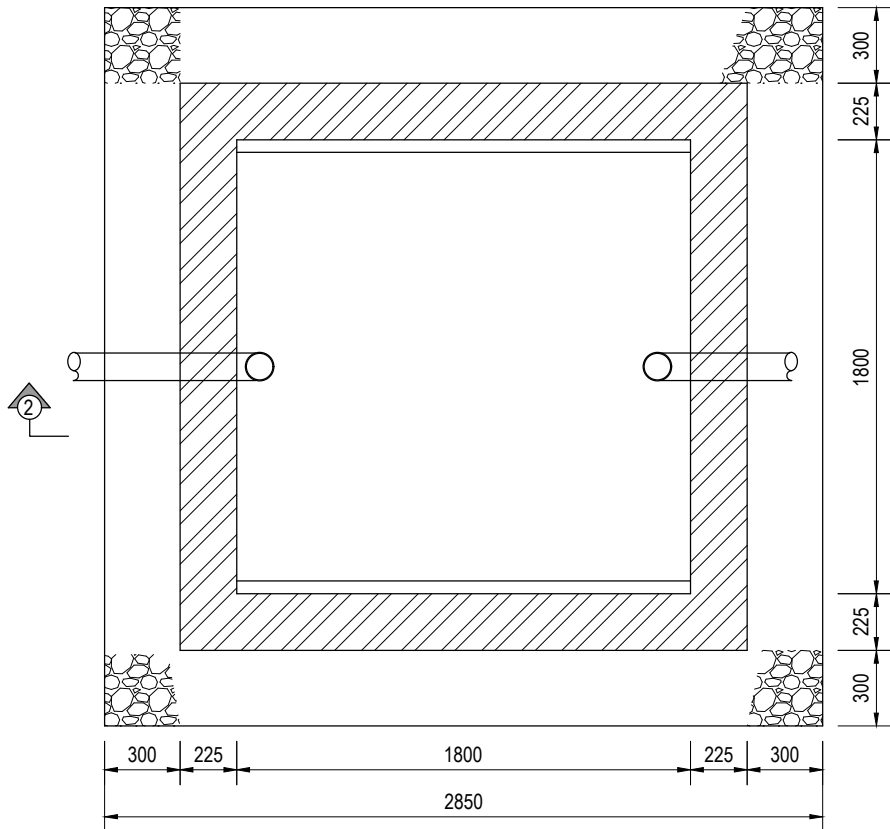
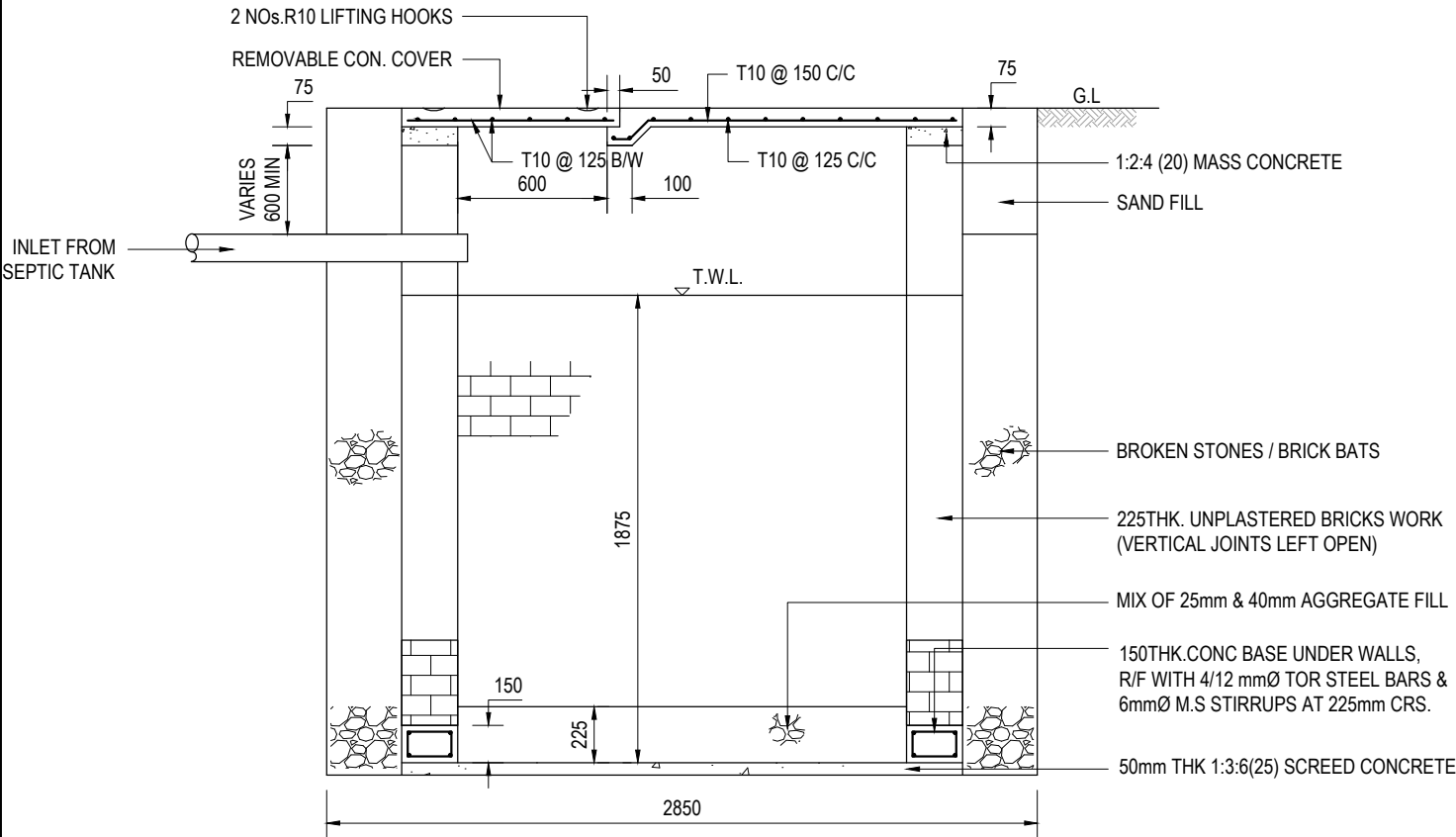
NOTES:

SEE PAGE NO 19 OF 20

SLR - NORTHERN LINE		SRI LANKA RAILWAYS WAY & WORKS DEPARTMENT	
DRAWN BY: [Signature]		DRG NO: Bu/N/ANP/Drg/23342/P	
CHECKED BY: [Signature]		EST NO: Bu/N/ANP/Drg/23342/P	
DESIGNED BY: [Signature]		DATE: JAN/2025	
DESIGN CHECKED BY: [Signature]		[Signature] CHIEF ENGINEER	
SCALE: AS SHOWN			
PAGE: 18 OF 20			

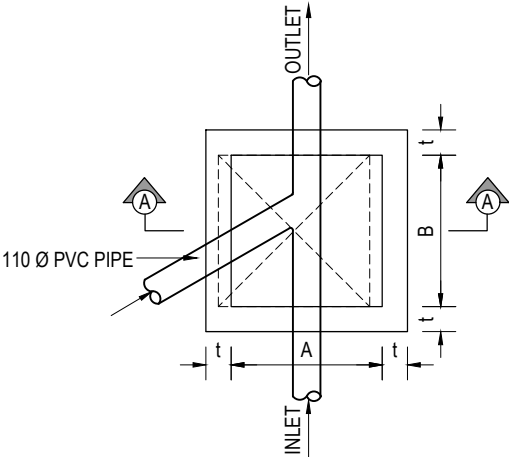
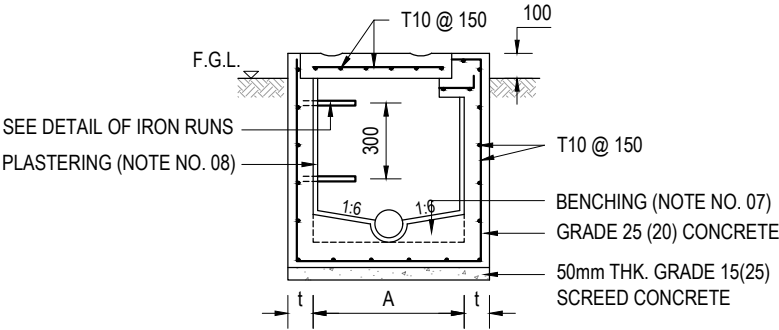
SLR - PROPOSED STATION BUILDING AT MAHO

DRG NO : Bu/N/ANP/Drg/23342/Q

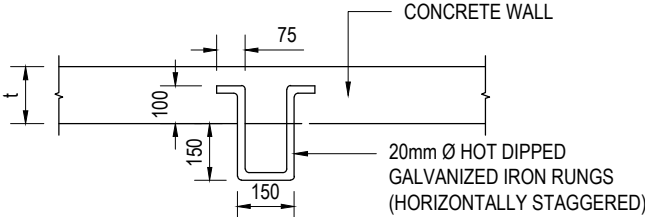


PLAN
SOAKAGE PIT
SCALE: 1:30

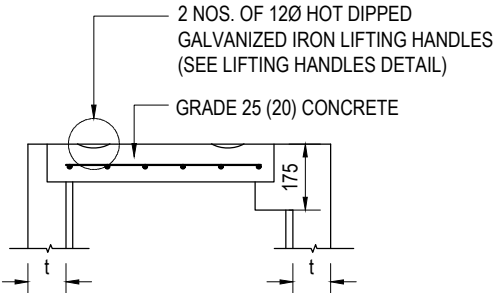
- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETERS AND ALL LEVELS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
 - SPECIAL APPROVAL HAS TO BE TAKEN FROM THE DESIGN ENGINEER FOR MANHOLES VEHICLE MOVING AREAS.
 - CONCRETE FOR STRUCTURES SHOULD BE GRADE 25 (20mm).
 - CARE HAS TO BE EXERCISED TO AVOID ANY POSSIBLE BUOYANCY DURING CONSTRUCTION WITH THE INCREASE OF TEMPORARY WATER TABLE.
 - EXTERNAL SIDES SHALL BE PRODUCED WITH ROUGH SURFACED TO PROVIDE GOOD FRICTION WITH APPROVED COMPACTED SOIL BACK FILLING.
 - CONCRETE COVER SHOULD BE 40mm & NOT ALLOW VEHICLE PASS.
 - BENCHING SHALL BE GRADE 20(20) CONCRETE & RENDERING IN 1:3 CEMENT SAND MORTAR & FINISHED SMOOTH WITH CEMENT FLOATING.
 - 12mm THK. 1:3 CEMENT SAND INTERNAL PLASTERING FINISHED SMOOTH WITH CEMENT FLOATING.
 - IRON RUNGS SHOULD BE PROVIDED, IF MANHOLE DEPTH IS MORE THAN OR EQUAL 750mm FROM FINISH GROUND LEVEL.



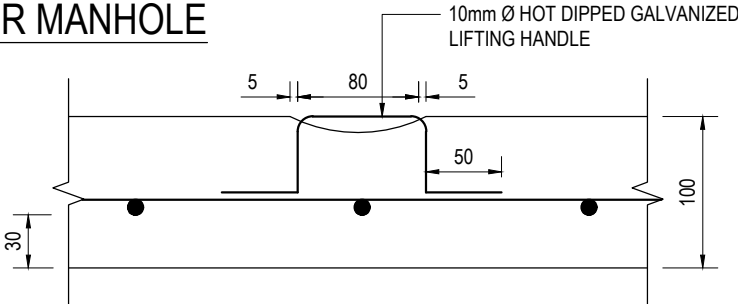
TYPICAL DETAIL OF SEWER MANHOLE
SCALE: 1:30



SCALE: 1:20



SCALE: 1:20



SCALE: 1:5

SLR - NORTHERN LINE	DESIGNED BY JANISWA	SRI LANKA RAILWAYS WAY & WORKS DEPARTMENT
PROPOSED STATION BUILDING AT MAHO	CHECKED BY SACHIN	DRG NO: Bu/N/ANP/Drg/23342/Q
(SOAKAGE PIT & SEWER MANHOLE DETAIL)	DATE JAN 2026	EST NO: Bu/N/ANP/Drg/23342/Q
SCALE: AS SHOWN	DESIGNED BY Rajeev	DATE: JAN 2026
PAGE: 18 OF 20	DESIGN CHECKED BY Sachin	CHIEF ENGINEER

(NEW WORKS PROGRAMME - 2026)

DRG NO : Bu/N/ANP/Drg/23342/R



SCALE: 1:50



SCALE: 1:50



SCALE : 1:25

NOTE:

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERING & ARCHITECTURAL DRAWINGS.
2. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
3. FINISH OF HAND RAILS SHALL BE HOT DIPPED GALVANIZED AND PAINTED.
4. RAMP SLOPE IS 1:15

SLR - NORTHERN LINE PROPOSED STATION BUILDING AT MAHO (DETAILS OF DISABLE RAMP & ENTRANCE STEPS)	DRAWN BY  LAKSHNA	SRI LANKA RAILWAYS MAY & WORKS DEPARTMENT
	CHECKED BY  SASHAN	ORD NO - S/NANP/03/0040R
	C.D.  28/08/08	EST NO - S/NANP/03/0040R
	DESIGN BY 	DATE : JAN 2008
	DESIGN CHECKED BY 	 CHIEF ENGINEER
	S.E. (N) 	
APPROVED BY 		
SCALE : AS SHOWN	PAGE : 25 OF 25	