

STP & ARGON GAS YARD
(PLAN & SECTION)

PROPOSED BUILDING AT SURVEY NOS. 202 PT, 199PT, 200PT AND 201PT, PLOT NO. 12 & 13 PT, SIPCOT INDUSTRIAL PARK, SRIPERUMBUDUR (PHASE - IV - MAMBAKKAM), MAMBAKKAM VILLAGE, SRIPERUMBUDUR TALUK, KANCHEEPURAM DISTRICT - 602 106.

SIPCOT APPROVED LAYOUT NUMBER : 42/2024

NOTE : ALL DIMENSIONS AREA IN METRE

MANUFACTURE OF TIPPER, TRAILER, LOAD BODY & TANKER

INDUSTRY CATEGORY : ORANGE

SCHEDULE OF JOINERY :

ARGON GAS YARD

NAME	DESCRIPTION	SIZE
FG	FENCING GATE	5000 X 2000
FG1	FENCING GATE 1	1200 X 2000

COLOUR INDEX :	REFERENCE :
EXISTING	SCALE : 1 : 100
PROPOSED	DATE : 10.08.2024
BOUNDARY	DRAWN :
ROAD	CHECKED :
DRIVEWAY	APPROVED :

APPLICANT :



REGISTERED STRUCTURAL ENGINEER :

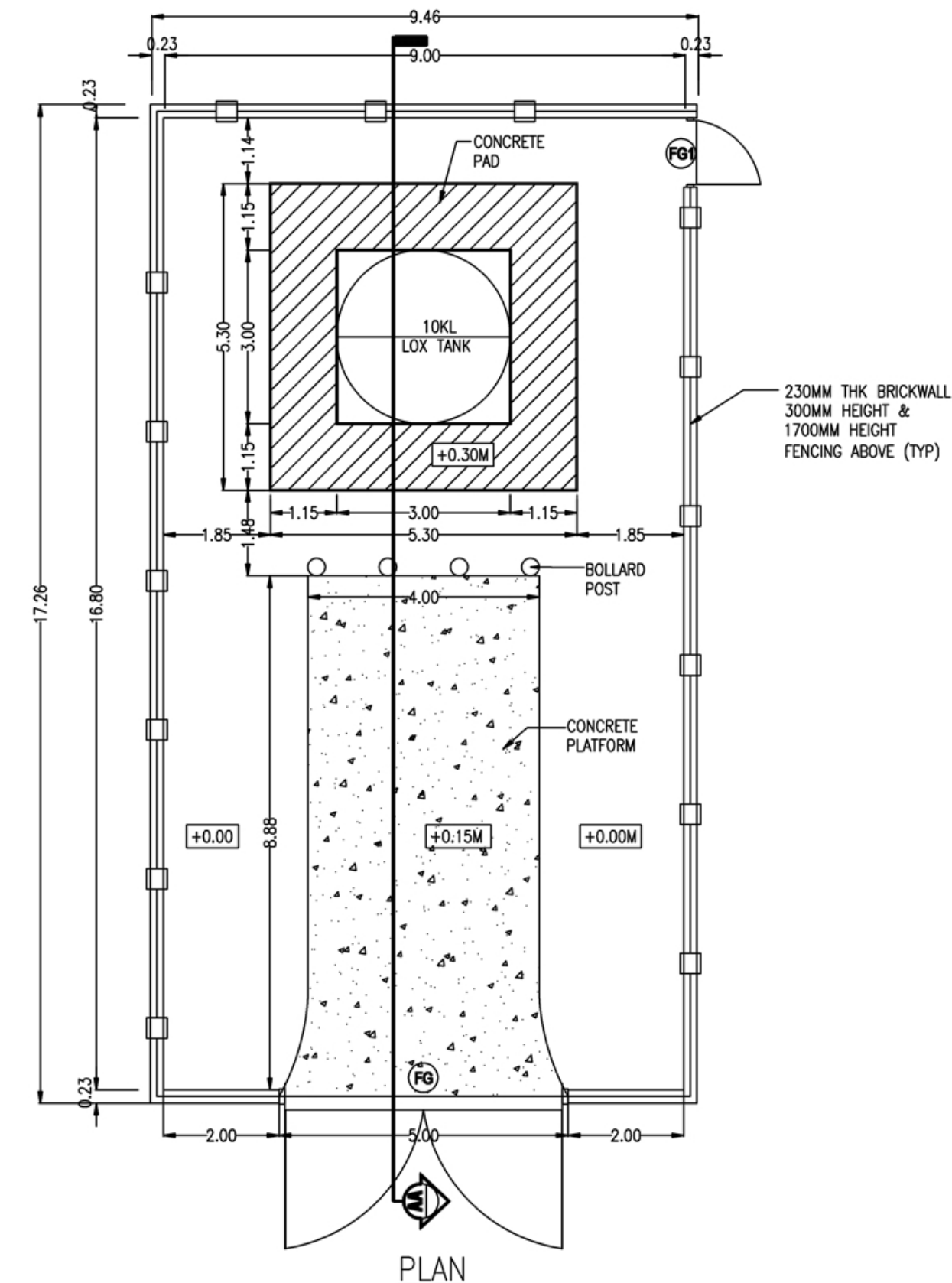
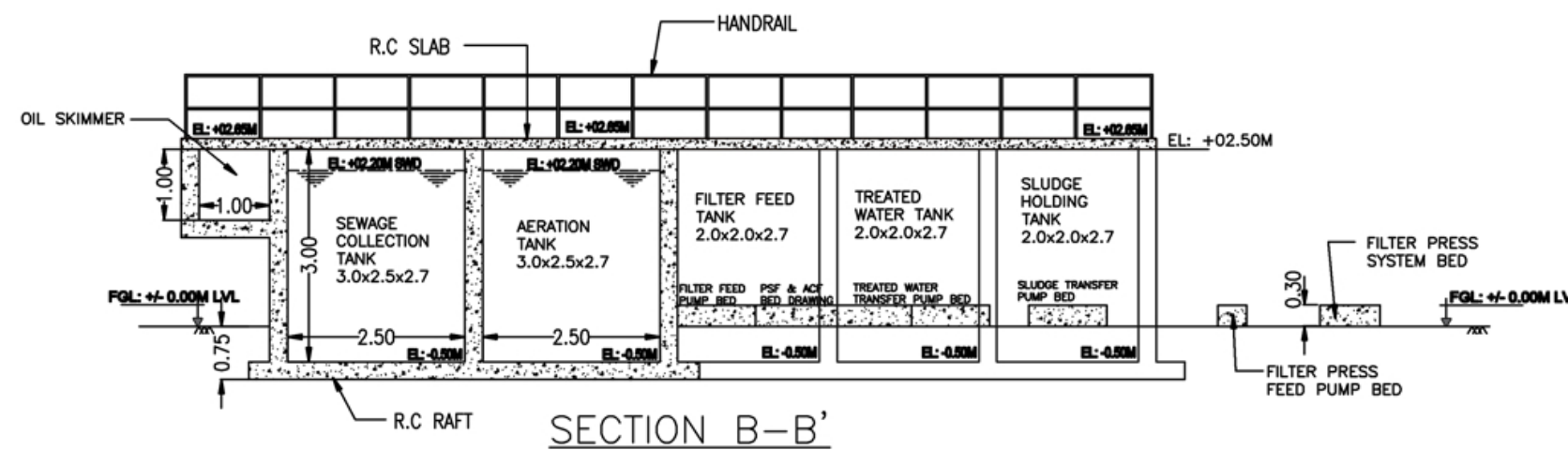
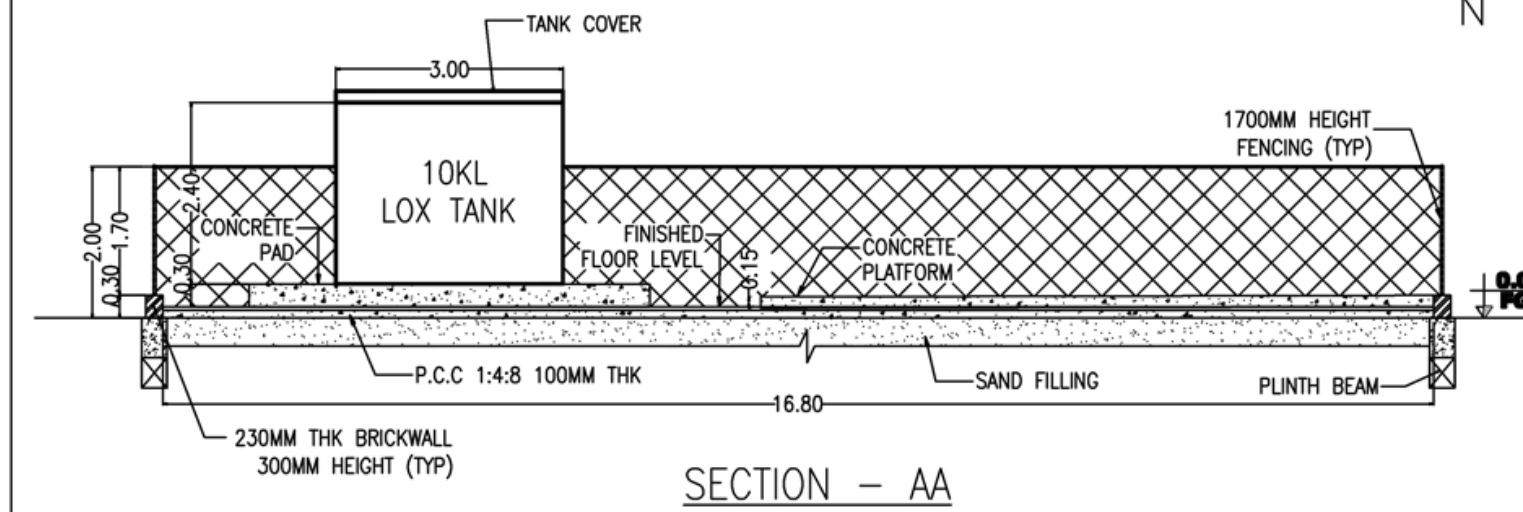
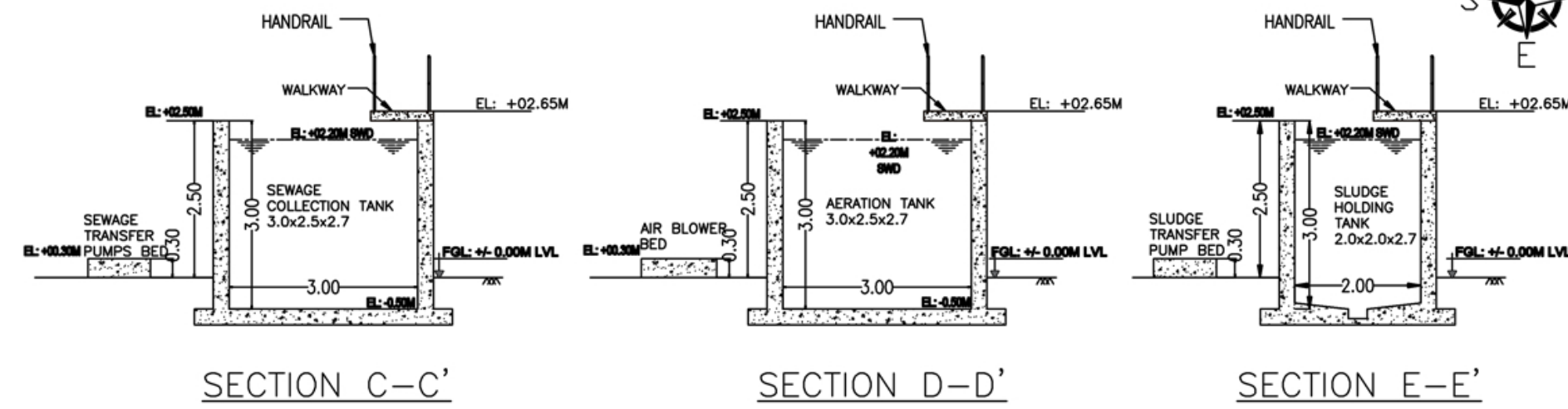
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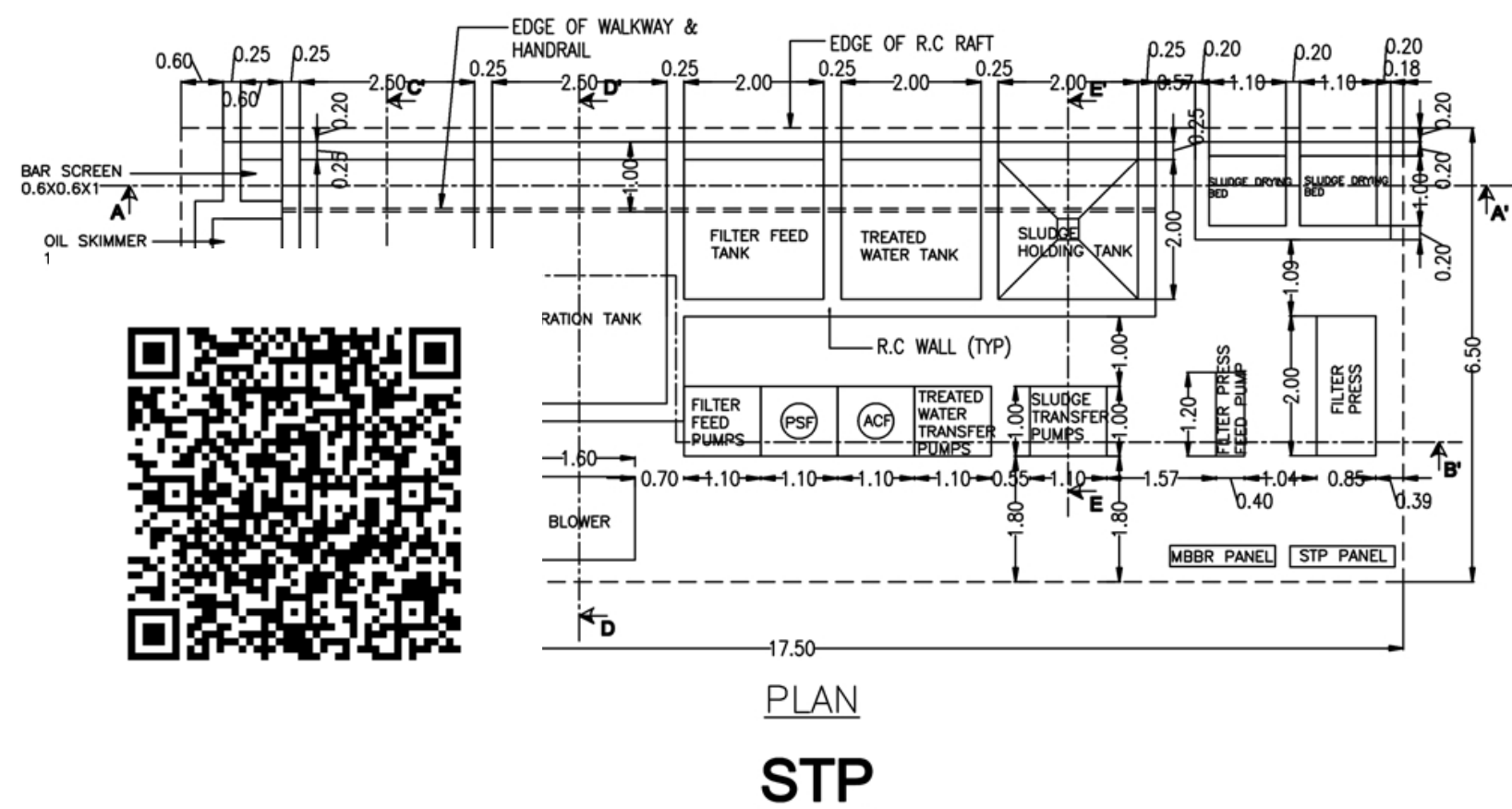
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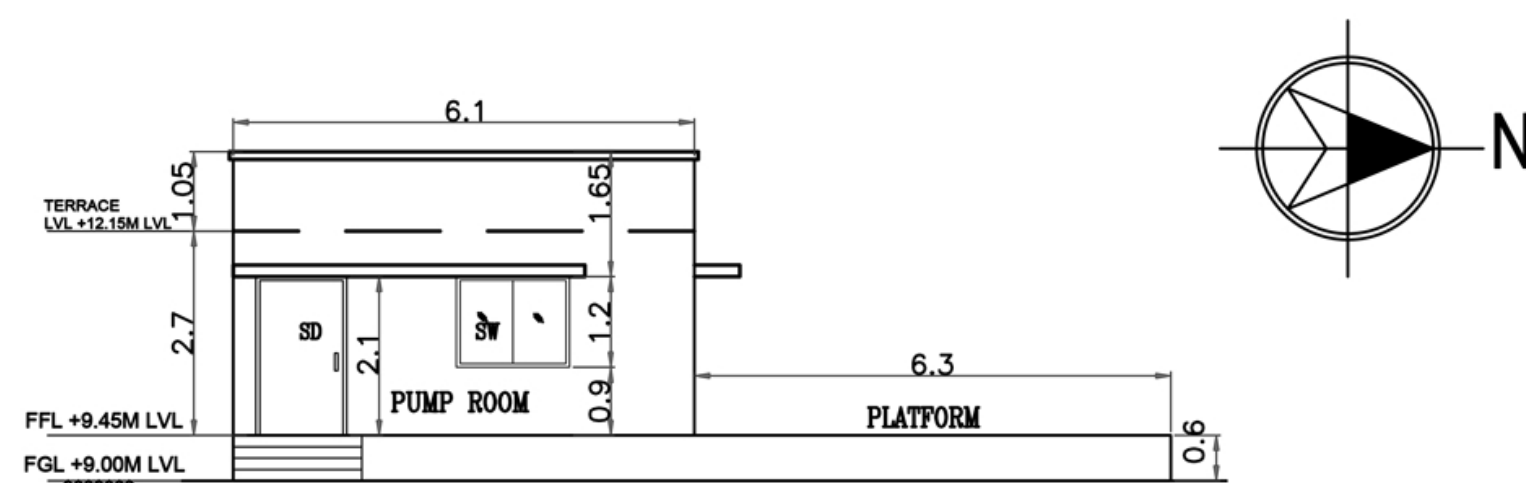


ARGON GAS YARD

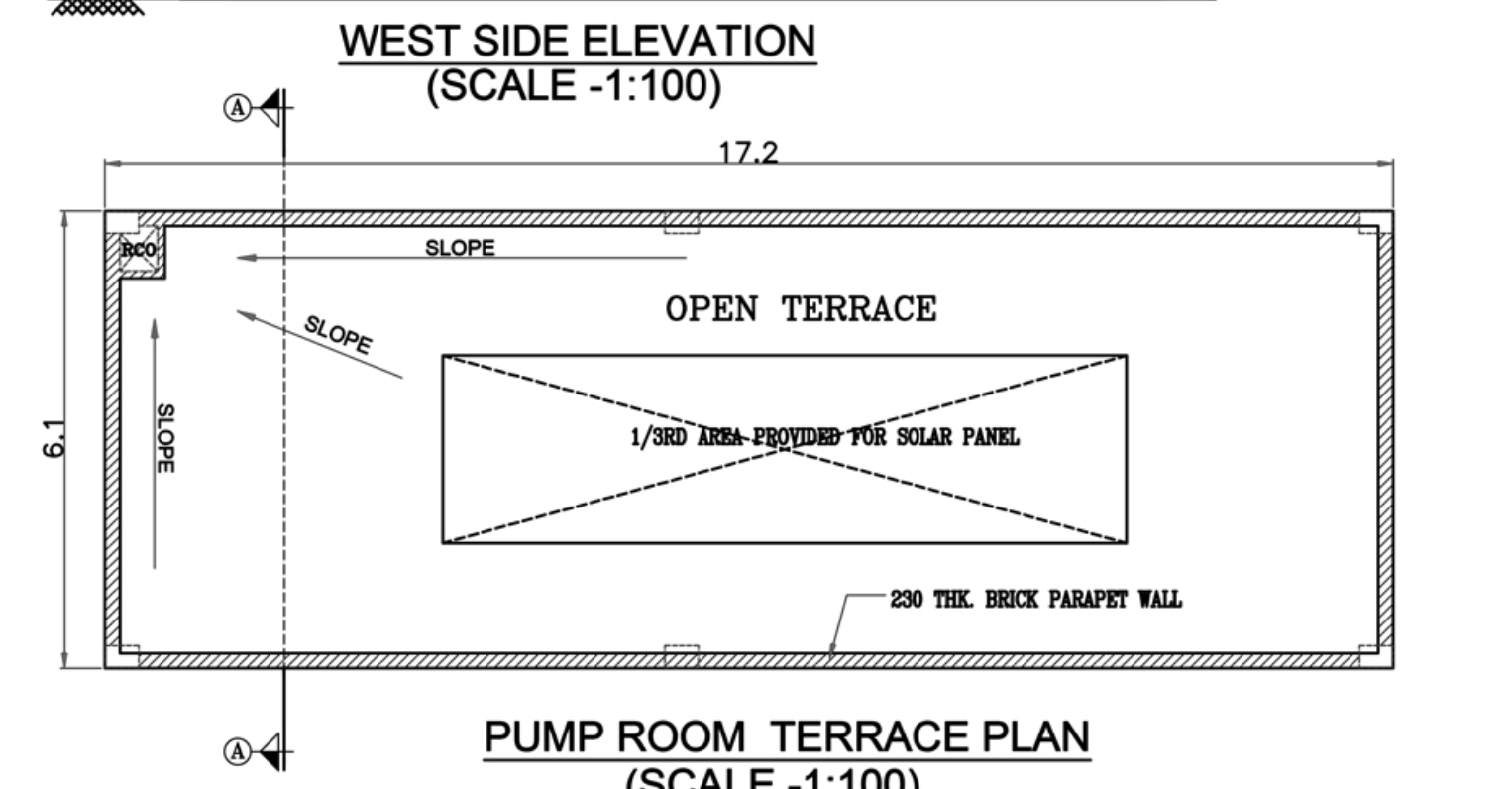


STP

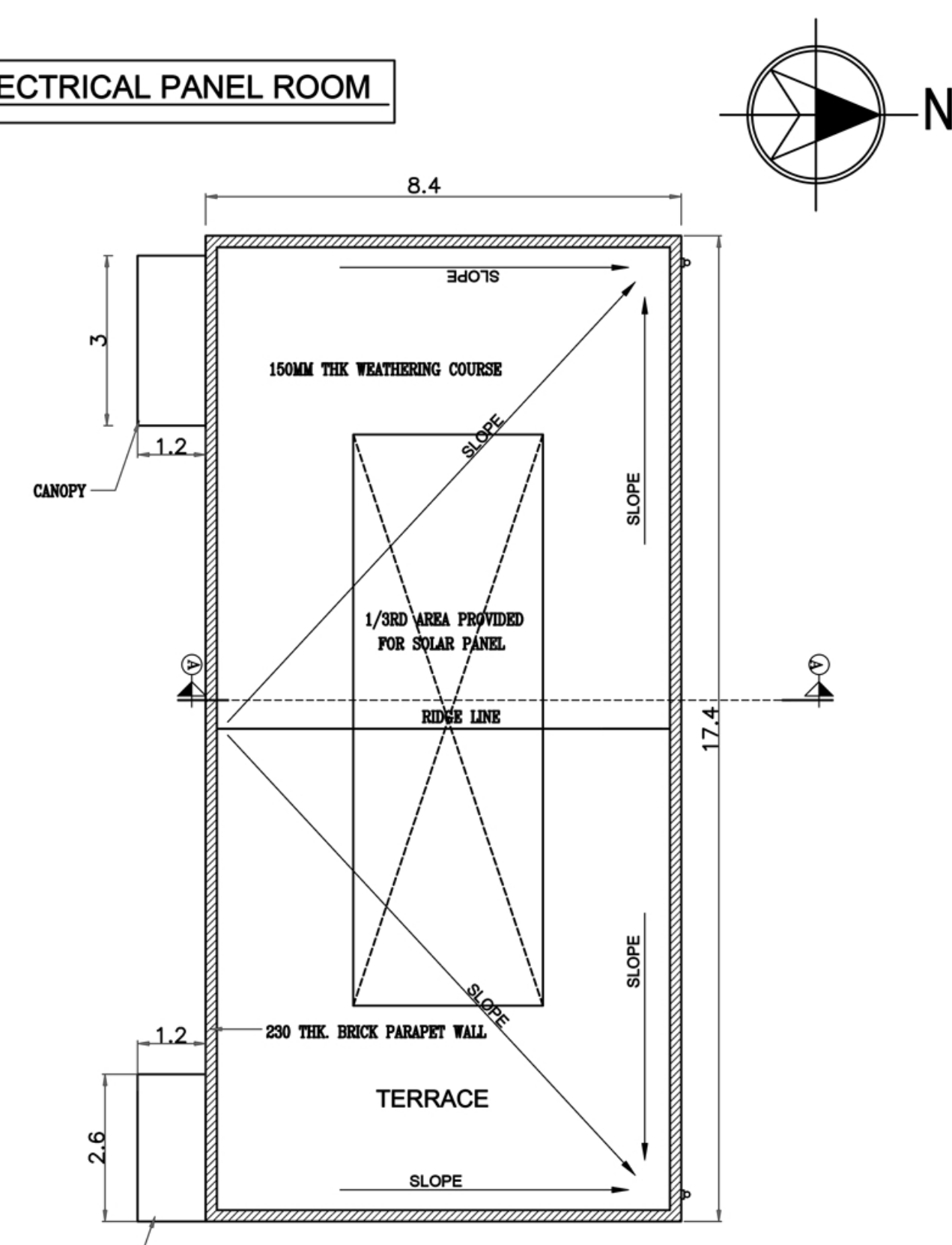
M/S. SATRAC ENGINEERING PRIVATE LIMITED
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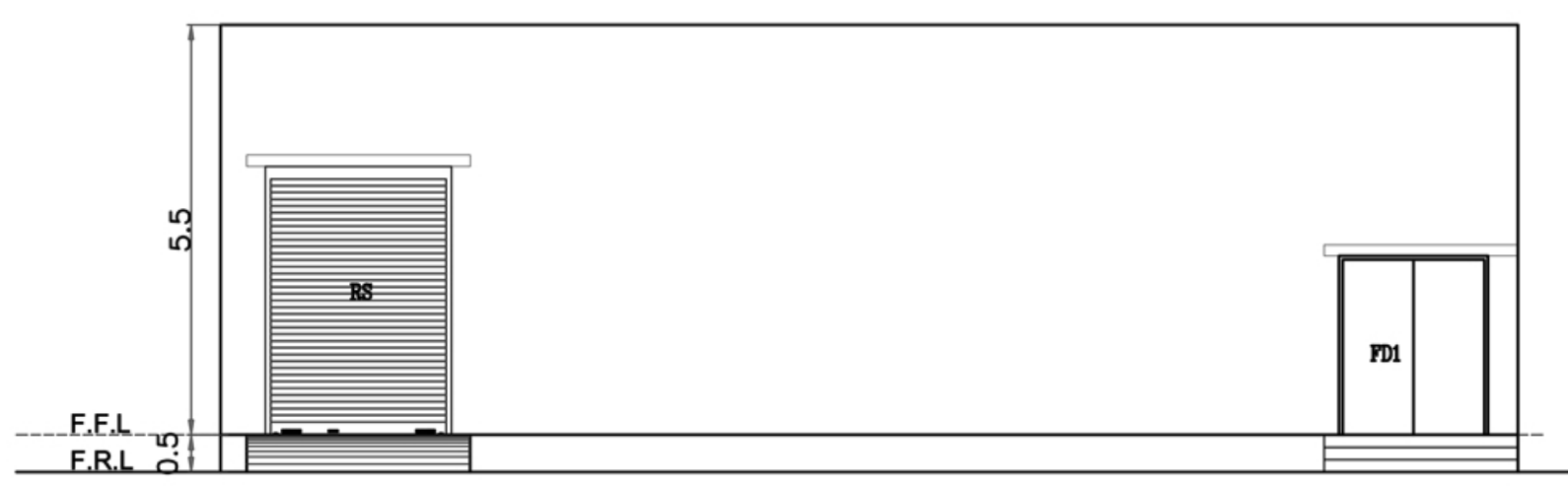
PUMP ROOM TERRACE PLAN
(SCALE -1:100)



PUMP ROOM TERRACE PLAN
(SCALE -1:100)



ELECTRICAL PANEL ROOM
TERRACE PLAN
(SCALE -1:100)



FRONT SIDE ELEVATION
(SCALE -1:100)

COLOUR INDEX :		REFERENCE :	
EXISTING		SCALE : 1 : 50	
PROPOSED		DATE : 30.05.2024	
BOUNDARY		DRAWN :	
ROAD		CHECKED :	
DRIVEWAY		APPROVED :	

APPLICANT :



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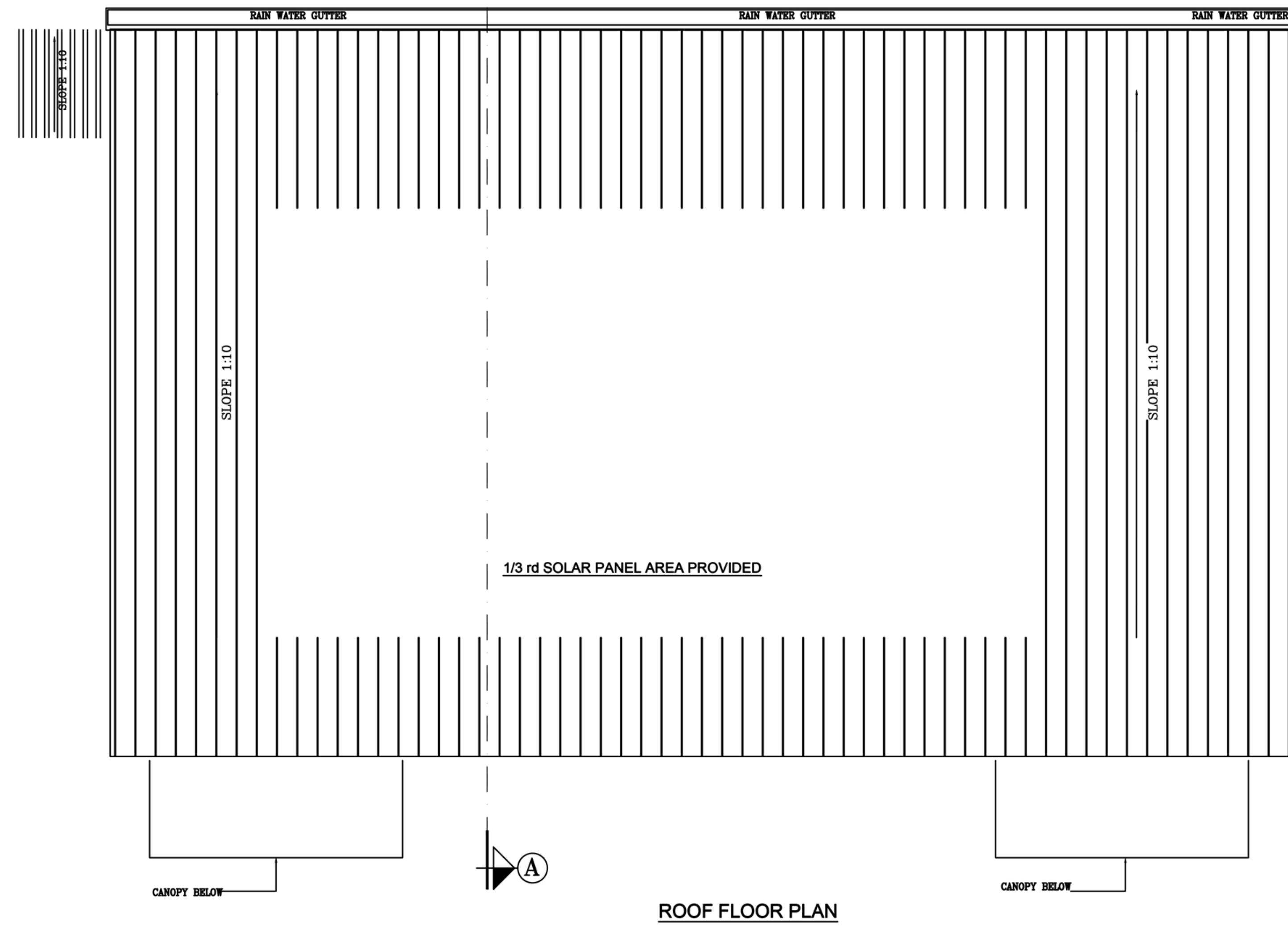
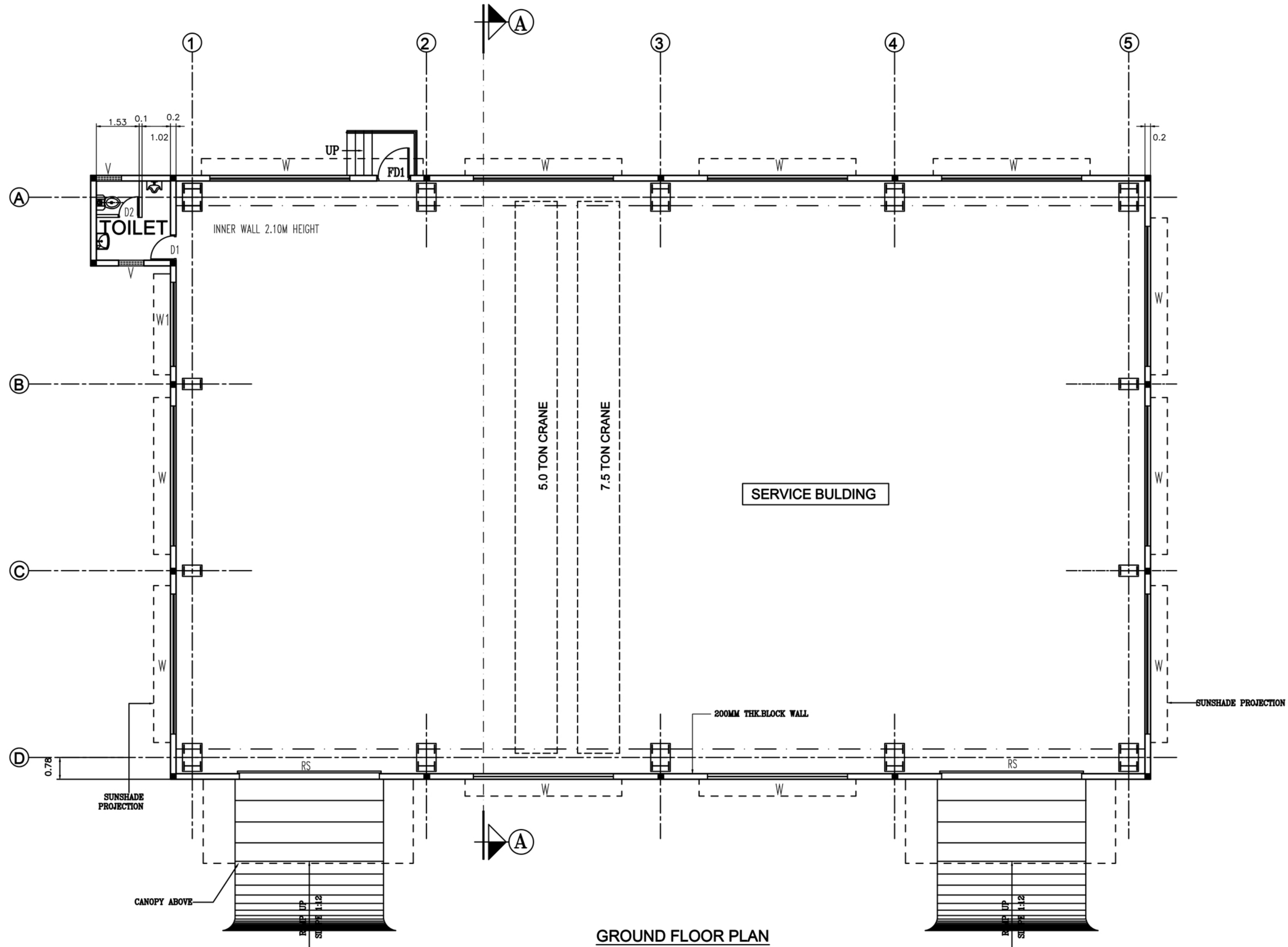
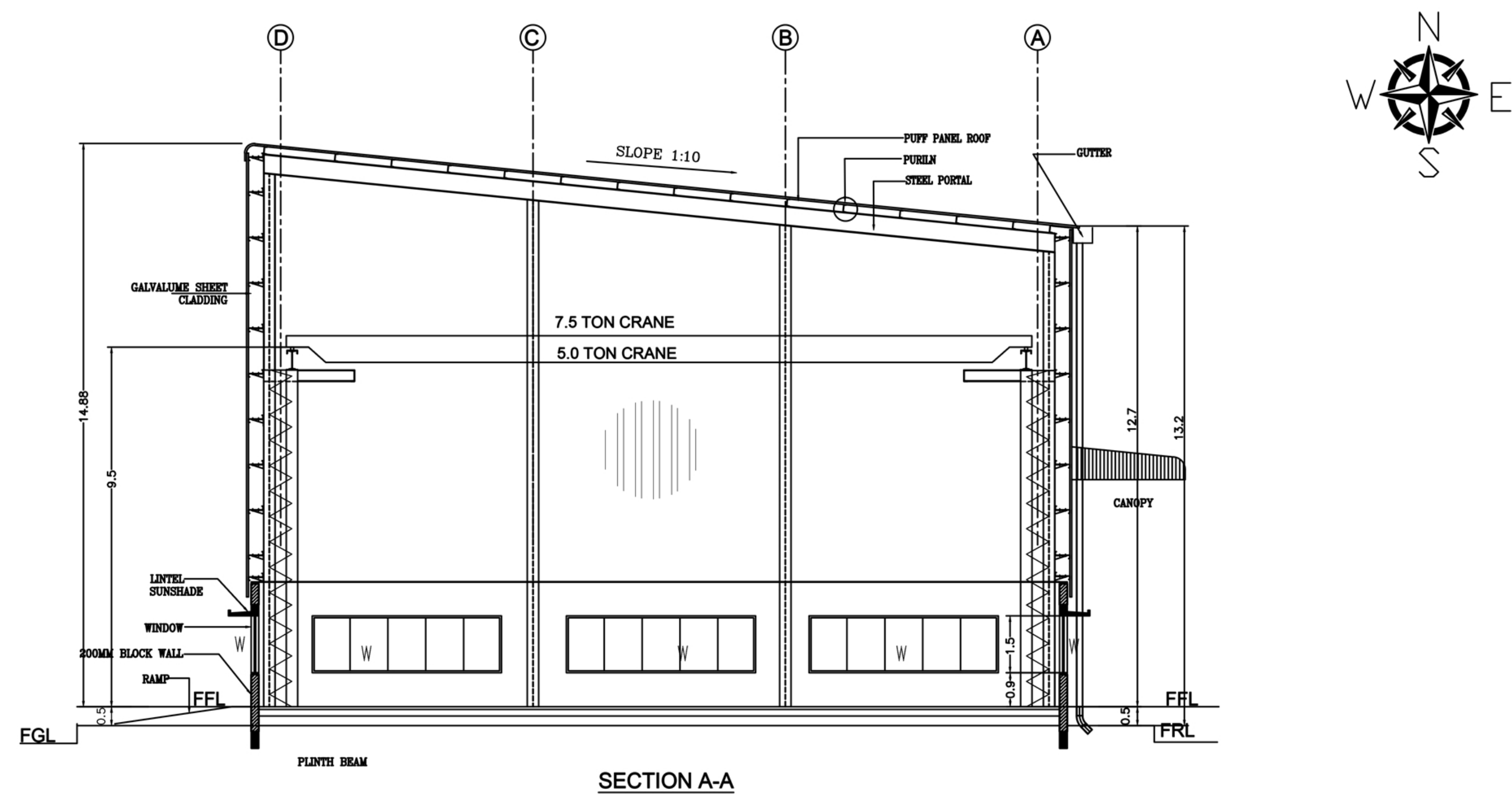
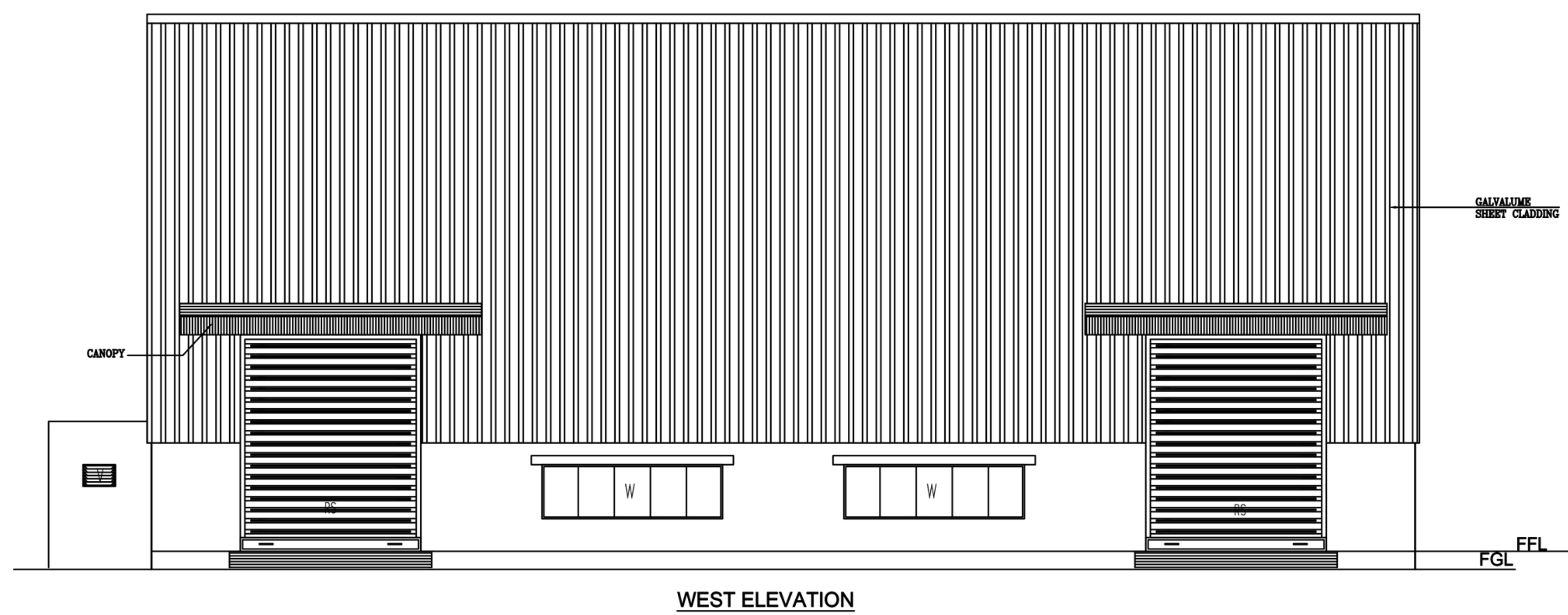
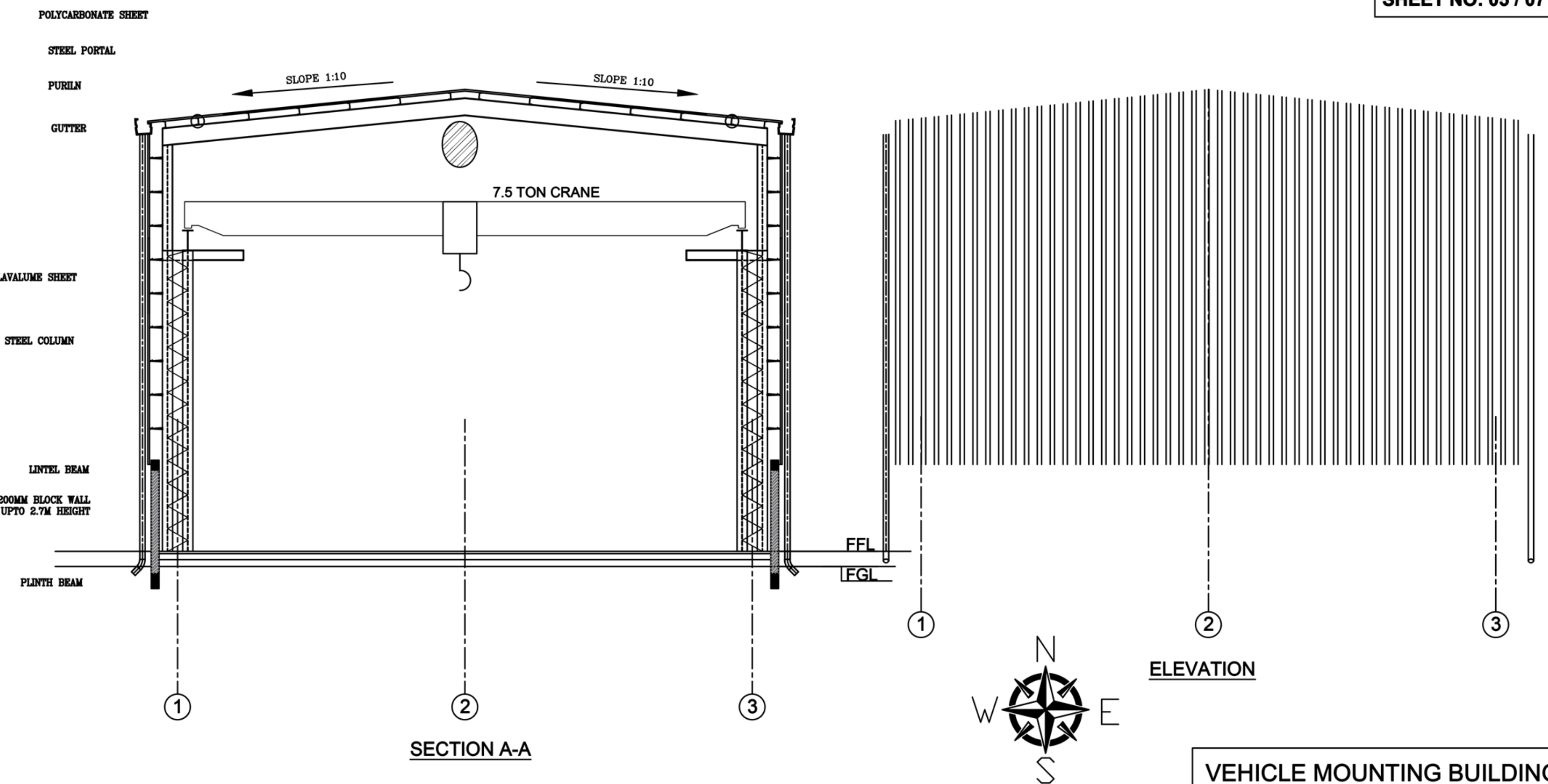
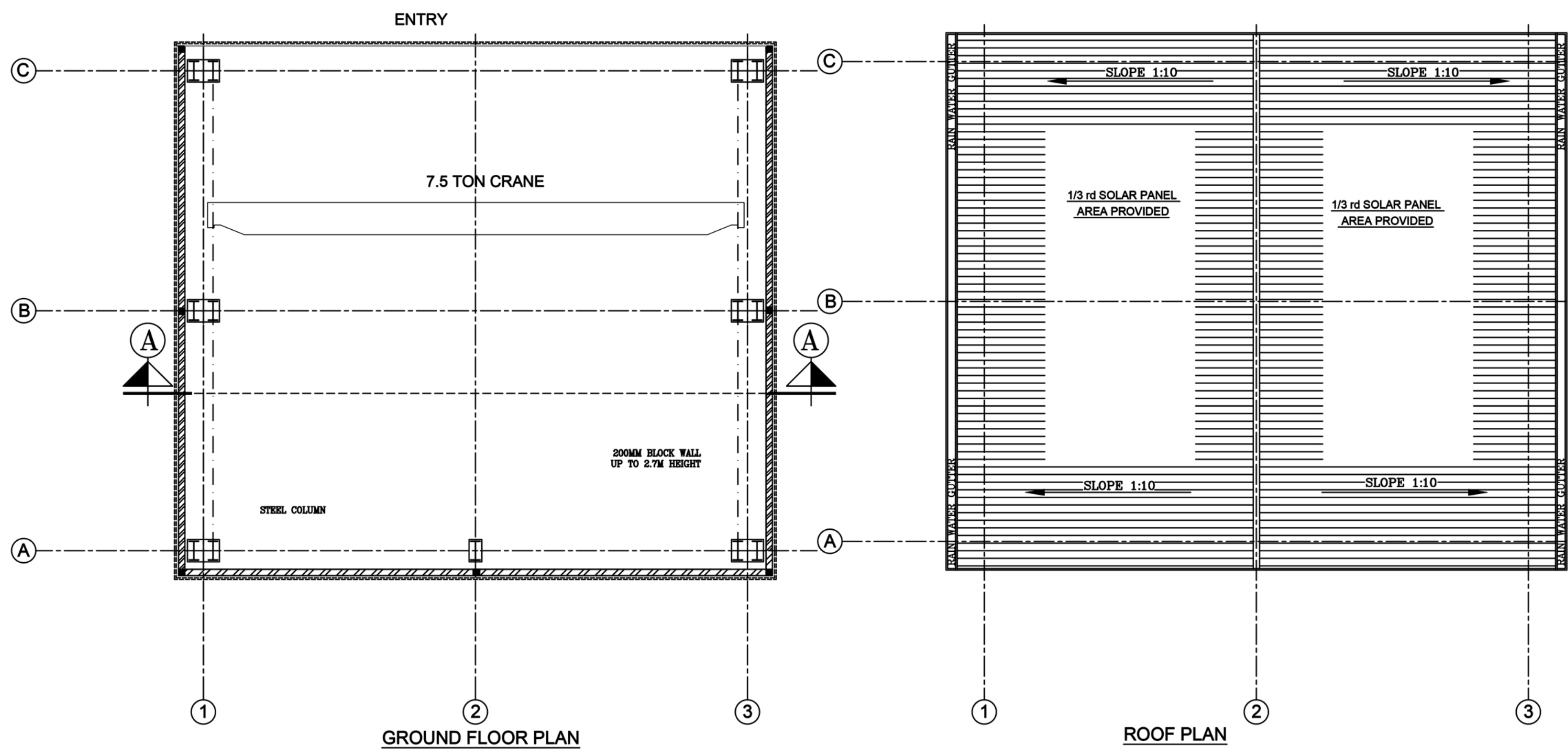
SERVICE BUILDING & VEHICLE MOUNTING BUILDING
FLOOR PLAN, SECTION & ELEVATIONPROPOSED BUILDING AT SURVEY NOS. 199PT, 200PT, 201 PT AND
202PT, PLOT NO. 12 & 13 PT, SIPCOT INDUSTRIAL PARK,
SRIPERUMBUDUR (PHASE - IV - MAMBAKKAM), MAMBAKKAM VILLAGE,
SRIPERUMBUDUR TALUK, KANCHEEPURAM DISTRICT - 602 106.

SIPCOT APPROVED LAYOUT NUMBER : 42/2024

NOTE : ALL DIMENSIONS AREA IN METRE

MANUFACTURE OF TIPPER, TRAILER, LOAD BODY & TANKER

INDUSTRY CATEGORY : ORANGE

MECHANICAL VENTILATION AND FIRE PROTECTION SYSTEM PROVIDED
FOR ENTIRE BUILDING

SCHEDULE OF JOINERY		
TYPE	DESCRIPTION	SIZE
RS	ROLLING SHUTTER	5000 X 6000
FD1	FIRE DOOR	1200 X 2400
D1	DOOR	900 X 2400
D2	DOOR	750 X 2100
W	WINDOW	5000 x 1500
W1	WINDOW	3000 x 1500
V	VENTILATOR	900 x 600

COLOUR INDEX :	REFERENCE :
EXISTING ☐	SCALE : 1 : 100
PROPOSED ☐	DATE : 30.05.2024
BOUNDARY ☐	DRAWN :
ROAD ☐	CHECKED :
DRIVEWAY ☐	APPROVED :

APPLICANT :



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MAIN FACTORY BUILDING

SECTIONS & ELEVATION

PROPOSED BUILDING AT SURVEY NOS. 199PT, 200PT, 201 PT AND 202PT, PLOT NO. 12 & 13 PT, SIPCOT INDUSTRIAL PARK, SRIPERUMBUDUR (PHASE - IV - MAMBAKKAM), MAMBAKKAM VILLAGE, SRIPERUMBUDUR TALUK, KANCHEEPURAM DISTRICT - 602 106.

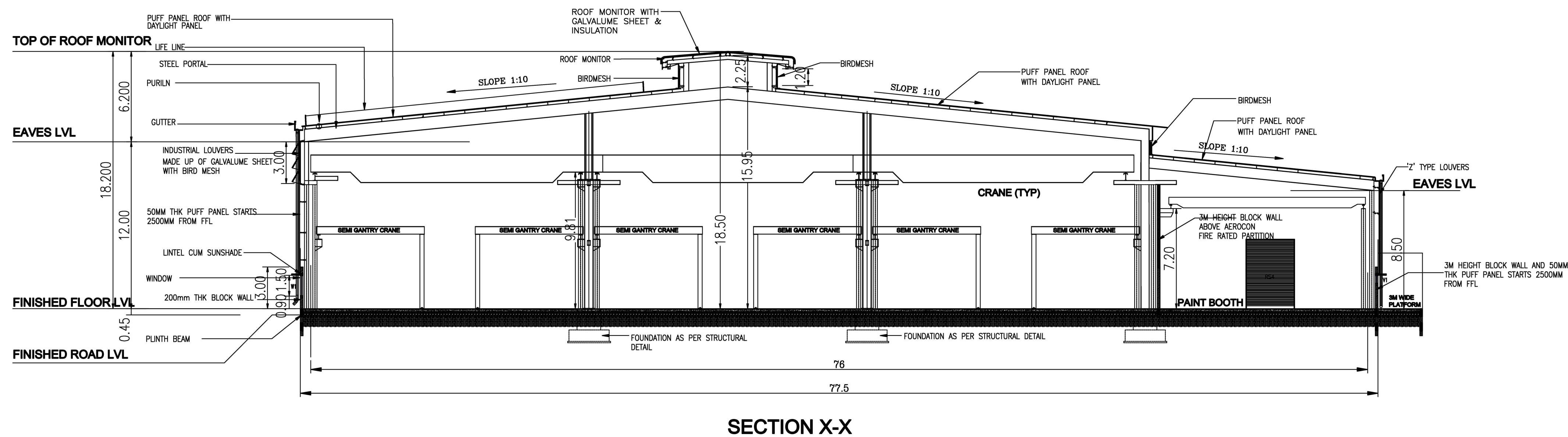
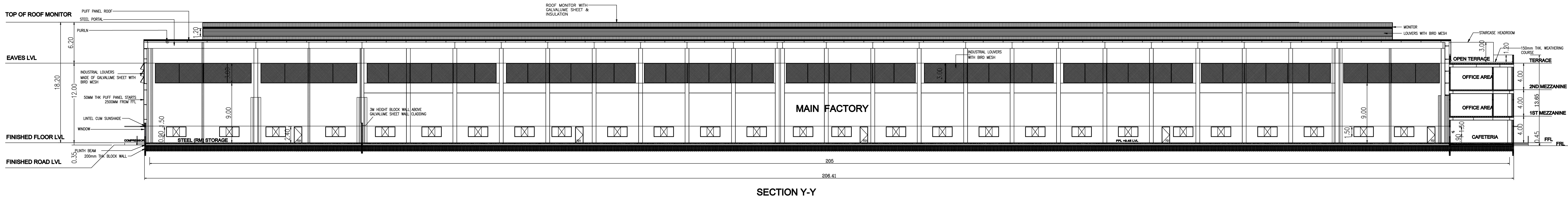
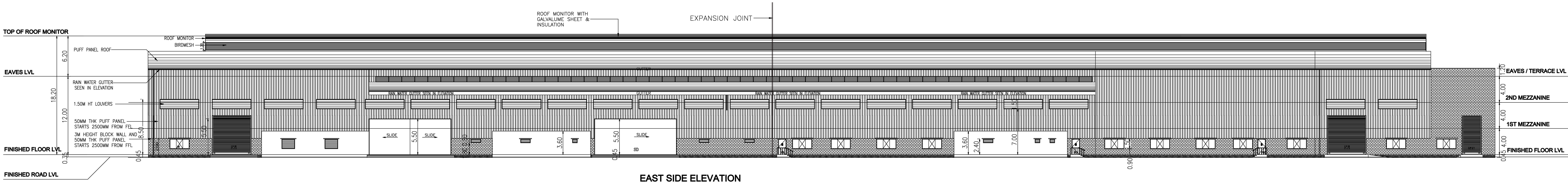
SIPCOT APPROVED LAYOUT NUMBER : 42/2024

NOTE : ALL DIMENSIONS AREA IN METRE

MANUFACTURE OF TIPPER, TRAILER, LOAD BODY & TANKER

INDUSTRY CATEGORY : ORANGE

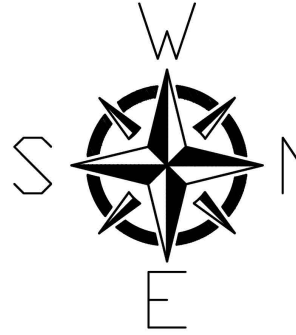
MECHANICAL VENTILATION AND FIRE PROTECTION SYSTEM PROVIDED FOR ENTIRE BUILDING



SCHEDULE OF JOINERY FOR FACTORY MEZZANINE FLOOR

NAME	DESCRIPTION	SIZE
GD1	GLASS DOOR	1000 X 2100
D2	DOOR	900 X 2400
D3	DOOR	750 X 2100
FRD1	FIRE RATED DOOR	1200 X 2400
TD	DUCT DOOR	600 X 2100
SD	SLIDING DOOR	12600 X 6000
SLD	SLIDING DOOR	1000 X 2100
VP	VISION PANEL	1500 X 600
V2	VENTILATOR	600 X 600

COLOUR INDEX :	REFERENCE :
EXISTING ☐	SCALE : 1 : 200
PROPOSED ☐	DATE : 30.05.2024
BOUNDARY ☐	DRAWN :
ROAD ☐	CHECKED :
DRIVEWAY ☐	APPROVED :



APPLICANT :



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M/S. SATRAC ENGINEERING PRIVATE LIMITED

MAIN FACTORY BUILDING
MEZZANINE FLOOR PLANS

PROPOSED BUILDING AT SURVEY NOS. 199PT, 200PT, 201 PT AND 202PT,
PLOT NO. 12 & 13 PT, SIPCOT INDUSTRIAL PARK, SRIPERUMBUDUR
(PHASE - IV - MAMBAKKAM), MAMBAKKAM VILLAGE, SRIPERUMBUDUR
TALUK, KANCHEEPURAM DISTRICT - 602 106.

SIPCOT APPROVED LAYOUT NUMBER : 42/2024

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INDUSTRY CATEGORY : ORANGE

MECHANICAL VENTILATION AND FIRE PROTECTION SYSTEM PROVIDED
FOR ENTIRE BUILDING

SCHEDULE OF JOINERY FOR FACTORY MEZZANINE FLOOR

NAME	DESCRIPTION	SIZE
GD1	GLASS DOOR	1000 X 2100
D2	DOOR	900 X 2400
D3	DOOR	750 X 2100
FRD1	FIRE RATED DOOR	1200 X 2400
TD	DUCT DOOR	600 X 2100
SD	SLIDING DOOR	12600 X 6000
SLD	SLIDING DOOR	1000 X 2100
VP	VISION PANEL	1500 X 600
V2	VENTILATOR	600 X 600

COLOUR INDEX :	REFERENCE :
EXISTING ☐	SCALE : 1 : 100
PROPOSED ☐	DATE : 30.05.2024
BOUNDARY ☐	DRAWN :
ROAD ☐	CHECKED :
DRIVEWAY ☐	APPROVED :



APPLICANT :

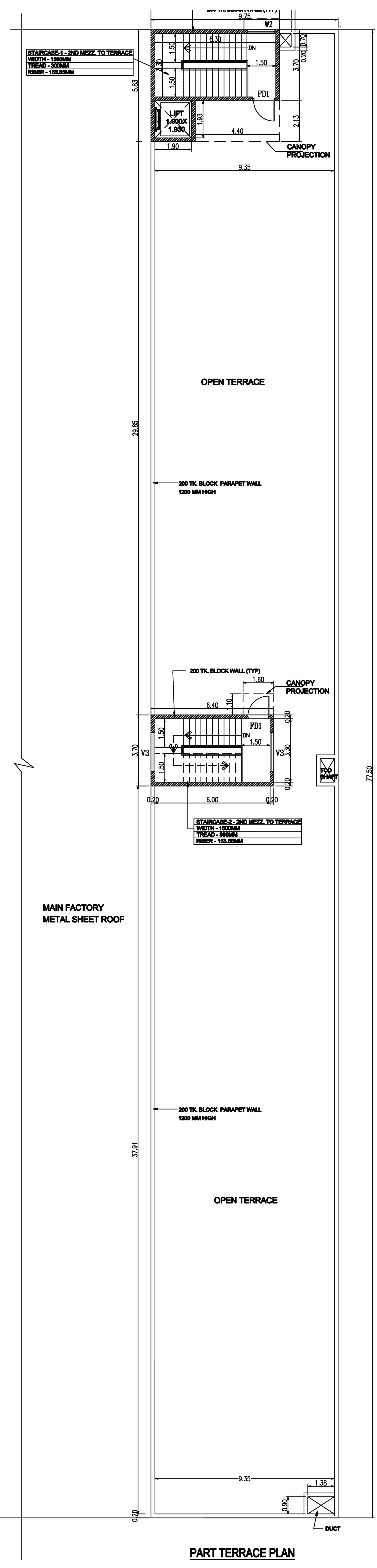
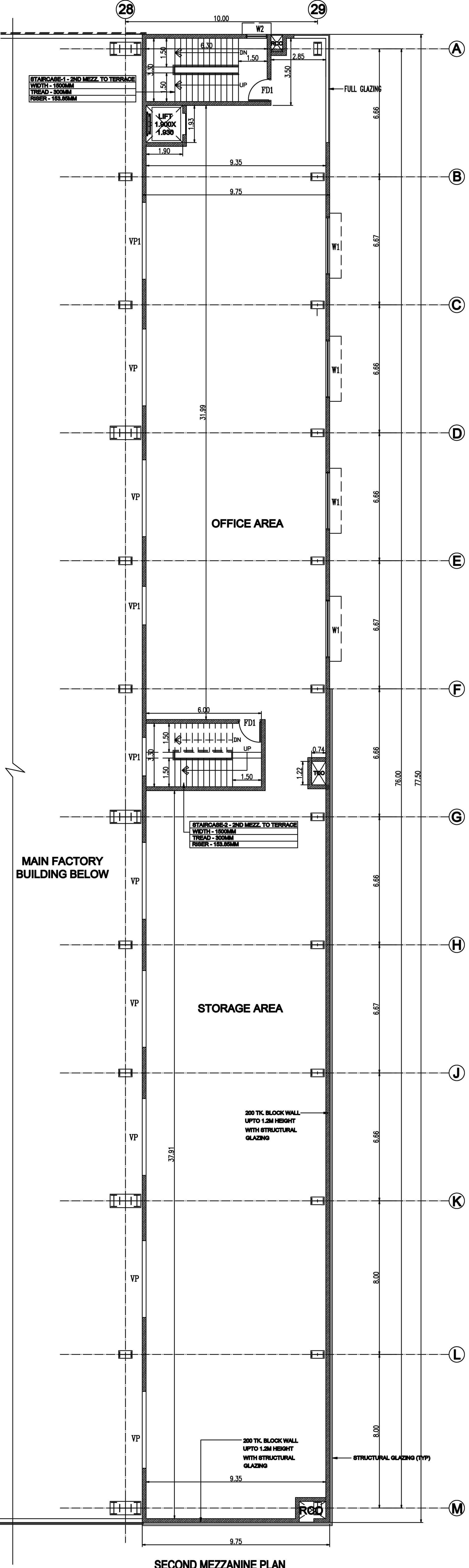
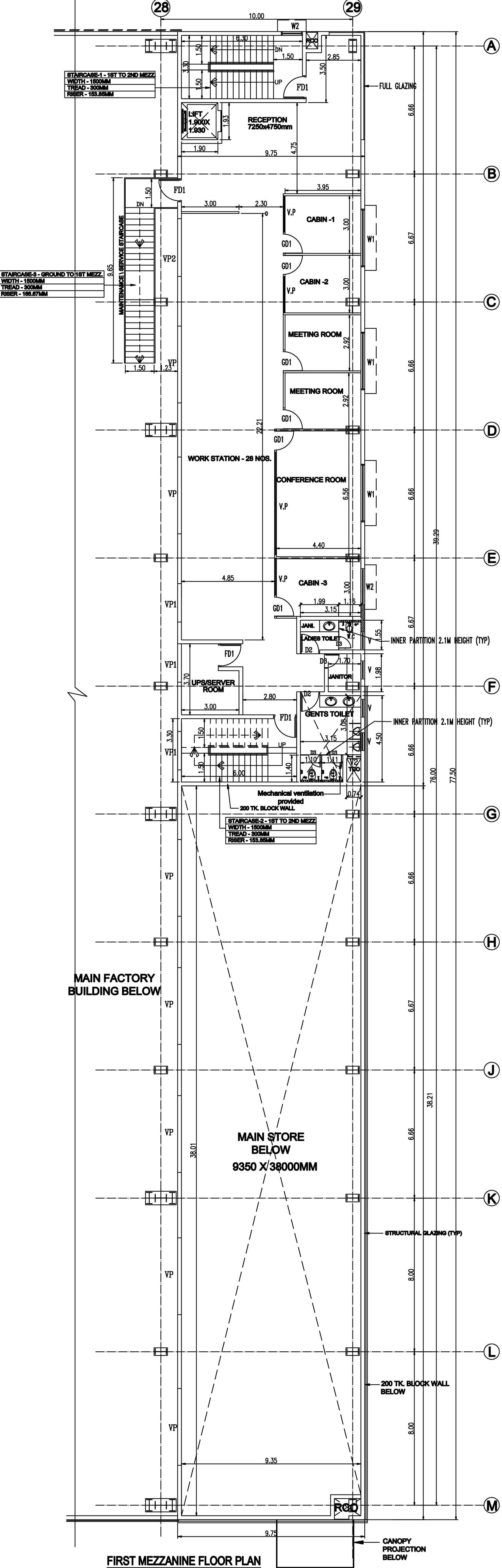


REGISTERED STRUCTURAL ENGINEER :

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DTCP Registration No.CGLRGN/RA/IGr-1/2019/07/024
No.10, Karpagamal Nagar, Mylapore, Chennai- 600 004.



MAIN FACTORY BUILDING
GROUND FLOOR & ROOF PLAN

PROPOSED BUILDING AT SURVEY NOS. 199PT, 200PT, 201PT AND 202PT,
PLOT NO. 12 & 13 PT, SIPCOT INDUSTRIAL PARK, SRIPERUMBUDUR
(PHASE - IV - MAMBAKKAM), MAMBAKKAM VILLAGE, SRIPERUMBUDUR
TALUK, KANCHEEPURAM DISTRICT - 602 106.

SIPCOT APPROVED LAYOUT NUMBER : 42/2024
NOTE : ALL DIMENSIONS AREA IN METRE
MANUFACTURE OF TIPPER, TRAILER, LOAD BODY & TANKER
INDUSTRY CATEGORY : ORANGE
MECHANICAL VENTILATION AND FIRE PROTECTION SYSTEM PROVIDED
FOR ENTIRE BUILDING

LIST OF MACHINERY				
CONNECTED LOAD DETAILS				
S.NO	NAME OF MACHINERY	QUANTITY	LOAD CAPACITY INDIVIDUAL-HP	LOAD CAPACITY Total-HP
1	Coy. - Welding Machine	80	3.02	241.6
2	Screw Compressor-1	1	50.29	50.29
3	Screw Compressor-2	1	30.17	30.17
4	Screw Compressor-3	1	7.38	7.38
5	Cyclone Filter	1	15.09	15.09
6	Shearing Machine - 1 & 2	2	30.17	60.34
7	Press Break Machine - 1 & 2	2	30.17	60.34
8	CNC Plasma - 1	1	10.06	10.06
9	Saw Welding Machine - 1	1	134.1	134.1
10	Power Press	1	2.51	2.51
11	EOT Crane - 5.0 Ton	1	1.84	1.84
12	EOT Crane - 3.2 Ton	12	1.24	14.88
13	EOT Crane - 7.5 Ton - (1 Number in vehicle mounting Building)	8	2.51	20.08
14	Radial Drilling Machine	1	3.69	3.69
15	Power Hack Saw Machine - 1&2	2	1.26	2.52
16	Hydraulic Power Pack	5	5.03	25.15
17	Hydraulic pump	1	1.24	1.24
18	Auto Blasting Machine	1	201.15	201.15
19	Cut Off Machine	2	4.96	9.92
20	STP - PUMP	1	10.06	10.06
21	Manual Blasting Booth	1	10.06	10.06
22	Painting Booth - 1 & 2	2	29.5	59
23	Oven - Drying oven booth-1 & 2	2	20.12	40.24
			Total (HP)	1011.71

SCHEDULE OF JOINERY		
TYPE	DESCRIPTION	SIZE
RS1	ROLLING SHUTTER	6000 x 6000
RS2	ROLLING SHUTTER	3500 x 6000
RS3	ROLLING SHUTTER	2500 x 3000
RS4	ROLLING SHUTTER	3500 x 5000
F01	FIRE DOOR (TWO HOURS)	1200 x 2400
F02	FIRE DOOR (TWO HOURS)	2000 x 2400
S0	SLIDING DOOR	12800 x 6000
W1	WINDOW	2000 x 1500
W2	WINDOW	1200 x 1500
LW	LOUVER WINDOW	1200 x 1500
VP	VISION PANEL	4000 x 1500
VP1	VISION PANEL	2000 x 1500
VP2	VISION PANEL	3000 x 1500
M0	MAIN DOOR (GLASS DOOR)	2000 x 2400
D0	DOOR	1500 x 2400
D1	DOOR	1200 x 2400
D2	DOOR	1000 x 600
D3	DOOR	750 x 600
G0	GLASS DOOR	1200 x 2400
G01	GLASS DOOR	1000 x 2400
V	VENTILATOR	1000 x 600
V1	VENTILATOR	2000 x 600
V2	VENTILATOR	700 x 600
T0	TRAP DOOR	600 x 1500
V3	VENTILATOR	4000 x 600

COLOUR INDEX :		REFERENCE :	
EXISTING	☐	SCALE	: 1 : 200
PROPOSED	☐	DATE	: 11.11.2024
BOUNDARY	☐	DRAWN	:
ROAD DRIVEWAY	☐	CHECKED	:
		APPROVED	:
APPLICANT :			



REGISTERED STRUCTURAL ENGINEER :

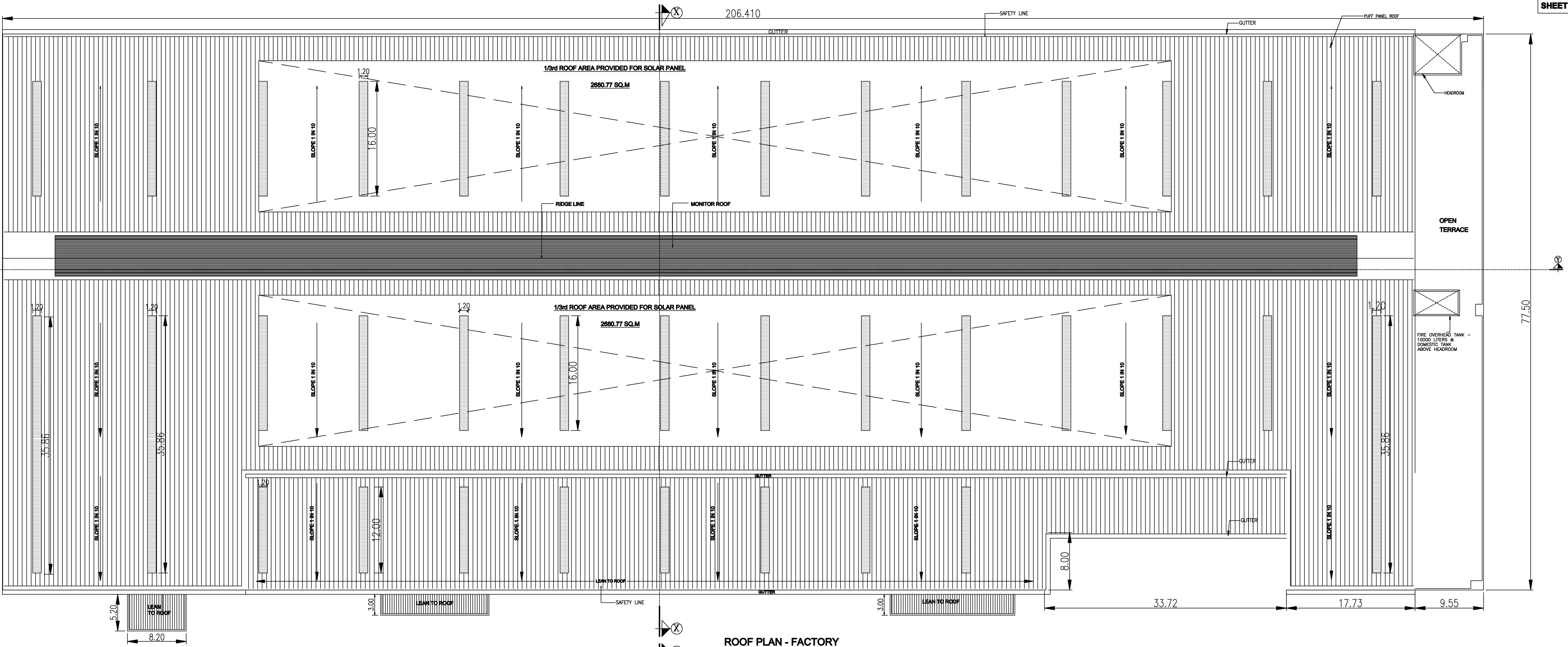
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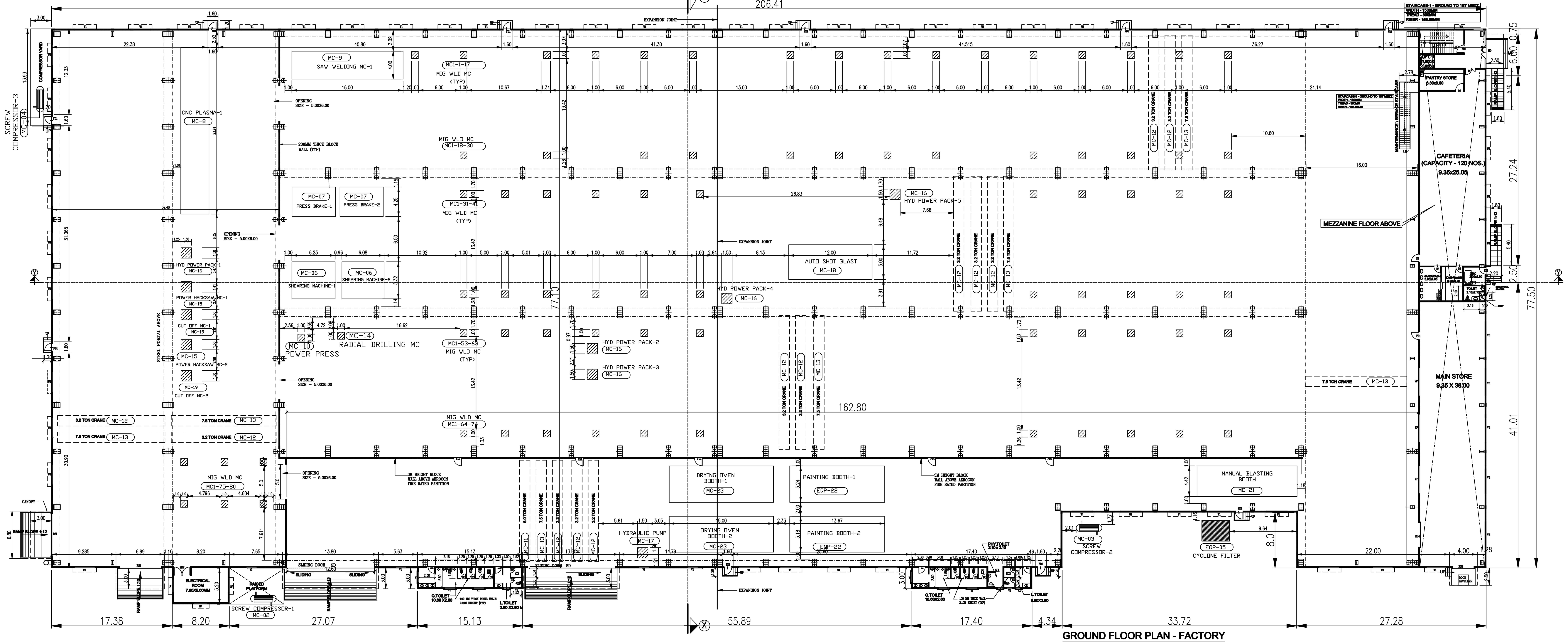
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No.10, Karpagamal Nagar, Myslapore, Chennai- 600 004.



ROOF PLAN - FACTORY



GROUND FLOOR PLAN - FACTORY

SITE PLAN

PROPOSED BUILDING AT SURVEY NOS. 199PT, 200PT, 201PT and 202 PT, PLOT NO. 12 & 13 PT, SIPCOT INDUSTRIAL PARK, SRIPERUMBUDUR (PHASE - IV - MAMBAKKAM), MAMBAKKAM VILLAGE, SRIPERUMBUDUR TALUK, KANCHEEPURAM DISTRICT - 602 106.

SIPCOT APPROVED LAYOUT NUMBER : 42/2024

NOTE : ALL DIMENSIONS AREA IN METRE

MANUFACTURE OF TIPPER, TRAILER, LOAD BODY & TANKER

INDUSTRY CATEGORY : ORANGE

MECHANICAL VENTILATION AND FIRE PROTECTION SYSTEM PROVIDED FOR ENTIRE BUILDING

AREA STATEMENT DETAILS

PLOT AREA AS PER DOCUMENT : 48805.088 SQ.M / 12.06 ACRE
SUPER IMPOSED PLOT AREA : 48805.088 SQ.M / 12.06 ACRE

S.NO	DESCRIPTION	FSI (SQ.M)	NON-FSI (SQ.M)	TOTAL (SQ.M)
1	MAIN FACTORY BUILDING			
	FACORY	15854.23	-	15854.23
	CANOPY	208.93	-	208.93
	1ST MEZZANINE FLOOR	383.03	-	383.03
	2ND MEZZANINE FLOOR	755.63	-	755.63
2	SECURITY ROOM - 1	-	63.37	63.37
	HEADROOM AREA	-	6.25	6.25
3	ELECTRICAL PANEL ROOM	146.16	-	146.16
	CANOPY	6.72	-	6.72
4	PUMP ROOM	104.92	-	104.92
	SERVICE BUILDING	783.79	-	783.79
5	CANOPY	45.00	-	45.00
	VEHICLE MOUNTING	307.35	-	307.35
6	ARGON GAS TANK	-	137.7	137.7
	STP	143.28	-	143.28
7	OPEN TRANSFORMER YARD	-	50.00	50.00
TOTAL BUILT UP AREA		18720.04	247.32	18967.36

F.S.I = TOTAL BUILTUP AREA / PLOT AREA = 18720.04 / 48805.088 = 0.384

PLOT COVERAGE = GROUND FLOOR COVERAGE AREA / PLOT AREA = 17513.88 / 48805.088 = 35.88 %

WORKERS DETAILS

MALE WORKERS = 270
FEMALE WORKERS = 30
TOTAL = 300

COLOUR INDEX :

EXISTING ☐
PROPOSED ☐
BOUNDARY ☐
ROAD ☐
DRIVEWAY ☐

REFERENCE :

SCALE : 1:400
DATE : 30.05.2024
DRAWN :
CHECKED :
APPROVED :



APPLICANT :

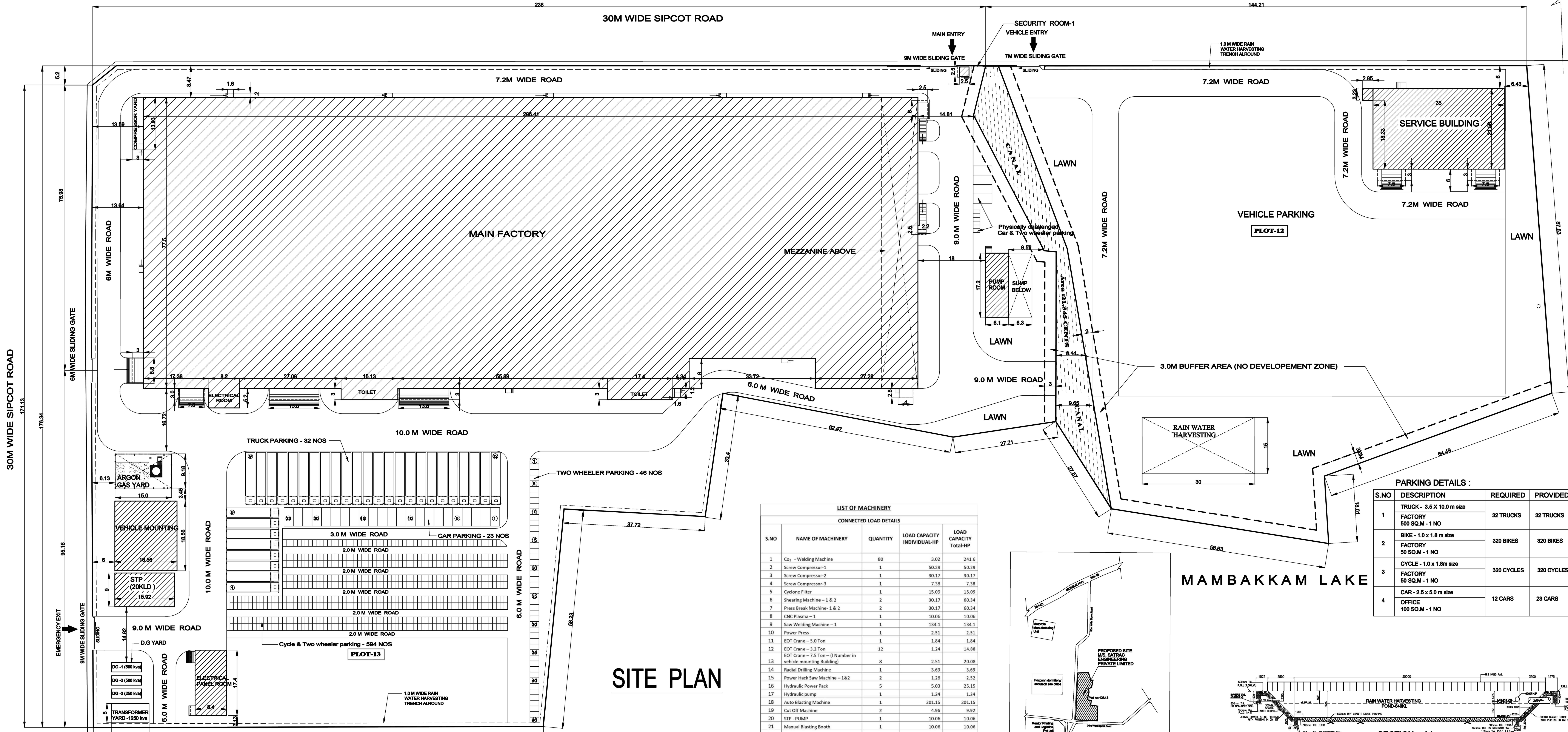


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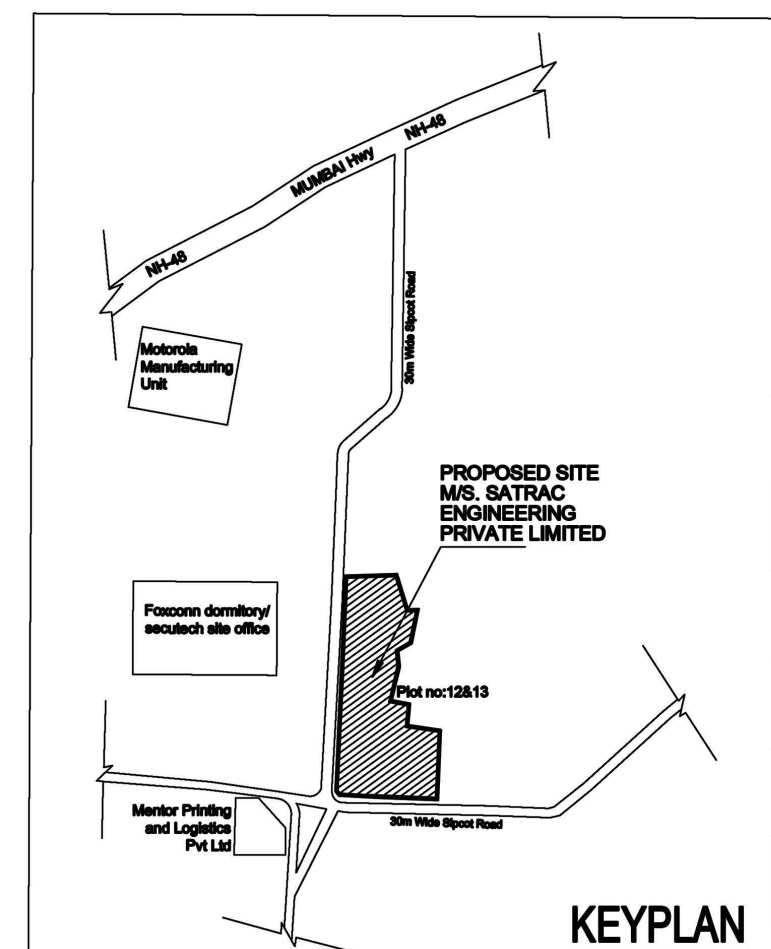
ARCHITECT / REGISTERED ENGINEER :

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B.Tech., (Hons), M.S. (ILL), Ph.D.
Assoc. M.Am.Soc. C.E., F.I.E., F.I.V.,
REGISTERED ARCHITECT
CA/75/1521
CMDA Registration No. RA/Gr.I/19/05/215
DTCP Registration No. CGLRGN/RA/Gr.I/2019/07024
No.10, Karpagamal Nagar, Myslapore, Chennai- 600 004.



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LIST OF MACHINERY				
CONNECTED LOAD DETAILS				
S.NO	NAME OF MACHINERY	QUANTITY	LOAD CAPACITY INDIVIDUAL-HP	LOAD CAPACITY Total-HP
1	Co ₂ - Welding Machine	80	3.02	241.6
2	Screw Compressor-1	1	50.29	50.29
3	Screw Compressor-2	1	30.17	30.17
4	Screw Compressor-3	1	7.38	7.38
5	Cyclone Filter	1	15.09	15.09
6	Shearing Machine - 1 & 2	2	30.17	60.34
7	Press Break Machine- 1 & 2	2	30.17	60.34
8	CNC Plasma - 1	1	10.06	10.06
9	Saw Welding Machine - 1	1	134.1	134.1
10	Power Press	1	2.51	2.51
11	EOT Crane - 5.0 Ton	1	1.84	1.84
12	EOT Crane - 3.2 Ton	12	1.24	14.88
13	EOT Crane - 7.5 Ton - (1 Number in vehicle mounting Building)	8	2.51	20.08
14	Radial Drilling Machine	1	3.69	3.69
15	Power Hack Saw Machine - 1 & 2	2	1.26	2.52
16	Hydraulic Power Pack	5	5.03	25.15
17	Hydraulic pump	1	1.24	1.24
18	Auto Blasting Machine	1	201.15	201.15
19	Cut Off Machine	2	4.96	9.92
20	STP - PUMP	1	10.06	10.06
21	Manual Blasting Booth	1	10.06	10.06
22	Painting Booth - 1 & 2	2	29.5	59
23	Oven - Drying oven booth-1 & 2	2	20.12	40.24
			Total (HP)	1011.71

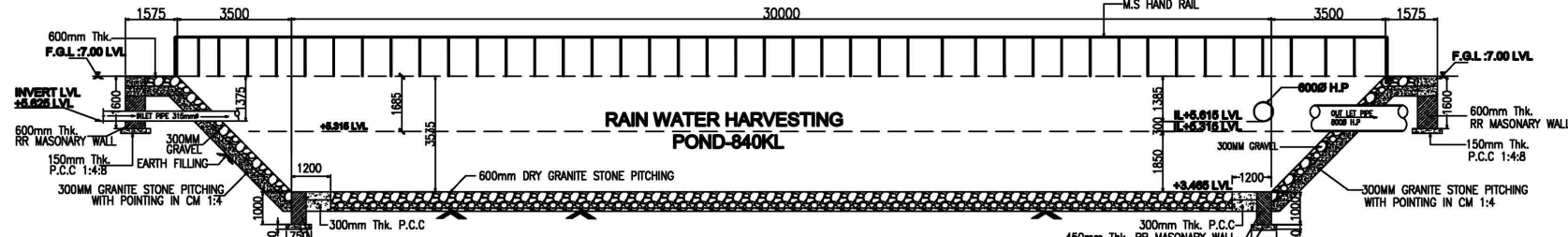


MAMBAKKAM LAKE

PARKING DETAILS :

S.NO	DESCRIPTION	REQUIRED	PROVIDED
1	TRUCK - 3.5 X 10.0 m size	32 TRUCKS	32 TRUCKS
2	FACTORY 500 SQ.M - 1 NO	320 BIKES	320 BIKES
	BIKE - 1.0 x 1.8 m size		
3	FACTORY 50 SQ.M - 1 NO	320 CYCLES	320 CYCLES
	CYCLE - 1.0 x 1.8m size		
4	CAR - 2.5 x 5.0 m size	12 CARS	23 CARS
	OFFICE 100 SQ.M - 1 NO		

SECTION - AA



SITE PLAN