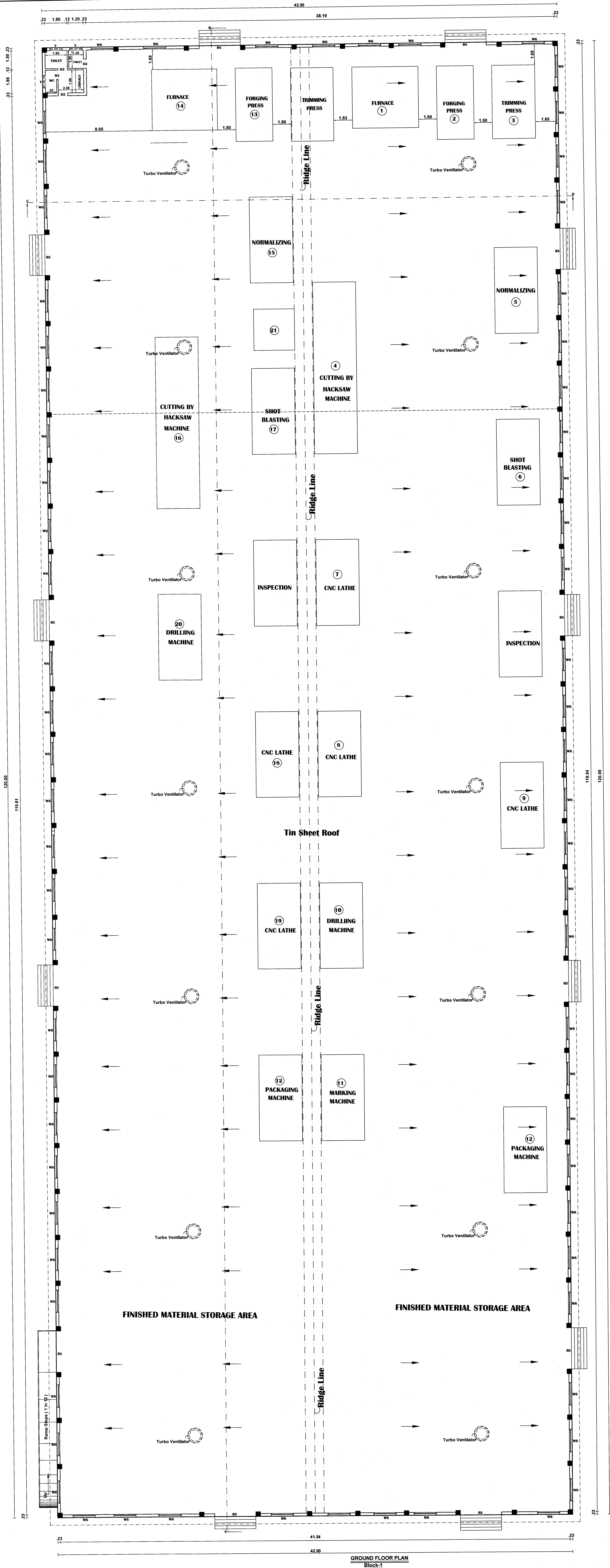




PLAN SHOWING THE PROPOSED CONSTRUCTION AND
INSTALLATION OF 581 H.P ELECTRIC MOTORS & 500 KVA GENERATOR FOR
"JESSY FORGE AND FITTINGS PVT LTD ", IN S.NO : 524A/1B & 524A/2A1
THERKU VALLIOOR PART-2 VILLAGE & PANCHAYAT, VALLIOOR PANCHAYAT
UNION, RADHAPURAM TALUK, TIRUNELVELI DISTRICT.

Scale 1:100 All Dimensions are in MetreBlock No: 1

AREA DETAILS

BLOCK	DESCRIPTION	SQ.M	SQ.FT.
01)	Main Block	5040.00	54251

LEGEND:
☐ Pro. Building

JOINERY DETAILS:-
RS - ROLLING SHUTTER 3.35 x 2.10
D - DOOR 1.20 x 2.10
D2 - DOOR 0.75 x 2.10
W6 - WINDOW 1.80 x 1.50
V - VENTILATOR 1.00 x 0.60

MACHINERY DETAILS

M/C.NO	Machine name	Qty	Each Hp	Total Hp
1	Oil Fired Furnace	1	10	10
2	Forging press	1	100	100
3	Trimming press	1	70	70
4	Bar Cutting Hackaw Machine	1	10	10
5	Normalising Furnace	1	10	10
6	Shot Blasting Machine	1	10	10
7	CNC Lathe Machine	1	10	10
8	CNC Lathe Machine	1	10	10
9	CNC Lathe Machine	1	10	10
10	Drilling Machine	1	15	15
11	Marking Machine	1	2	2
12	packing Machine	1	4	4
13	Forging press	1	150	150
14	Old Fired Furnace	1	10	10
15	Normalising Furnace	1	10	10
16	Hackaw Cutting Machine	1	15	15
17	Shot Blasting Machine	1	20	20
18	CNC Lathe Machine	1	10	10
19	CNC Lathe Machine	1	15	15
20	Drilling Machine	1	20	20
21	Trimming press	1	70	70

TOTAL INSTALLED HP 581

GENERATOR 1 500 KVA

Office Use
B.P / DTCP No: 263 /2023.

Structural Engineer
J. R. JULIUS, M.E., Ph.D.,
Registered Structural Engineer
Reg. No : RSE-111/LPA/2020/096
441, Thalavipuram, Nagercoil - 629004

Construction Engineer
E. P. PRAVIN SUDH
Construction Engineer - RCE
Reg. No: RCE/21/LPA/2019/003
P.L.S. 13 TILDERS
No. 8/11, 1/2, Nager, Panchayat Road
Kottar, Thiruvallur, Nagercoil - 629002
Mob: 9587295772

Applicant
Sr. A. RAJIV M.E., AMIE, MISE.,
REGISTERED ENGINEER
REGN. NO: REGN/17/March/2021/025
634B, SANKARAN KOVIL MAIN ROAD,
OPP. THACHANALLUR POLICE STATION,
CHATHIRAM PUDUKULAM,
TIRUNELVELI - 627141.



Block No: 1

AREA DETAILS

LEGEND:-

☐ Pro. Building

B.P / DTCP No: 263 /2023.

Office Use

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J. R. JULIUS, M.E., Ph.D.,
Registered Structural Engineer
Reg. No : RSE-INLPA/2020/006
441 Thalavaipuram, Nagercoil - 629004

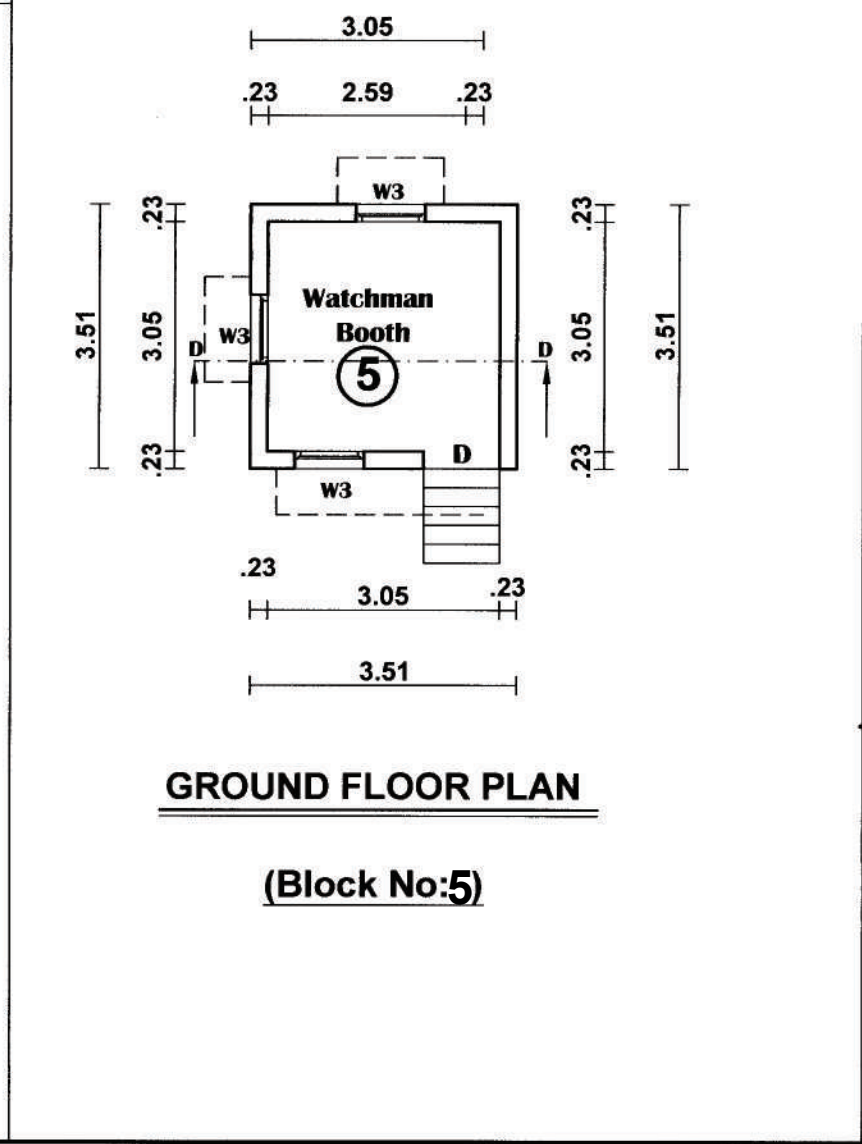
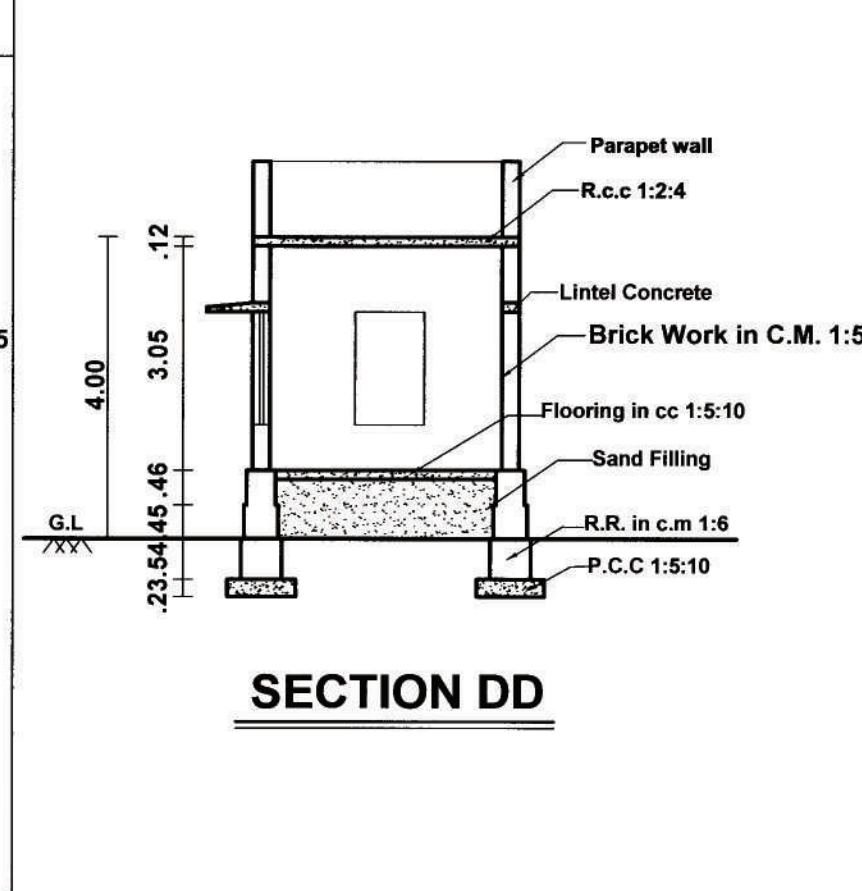
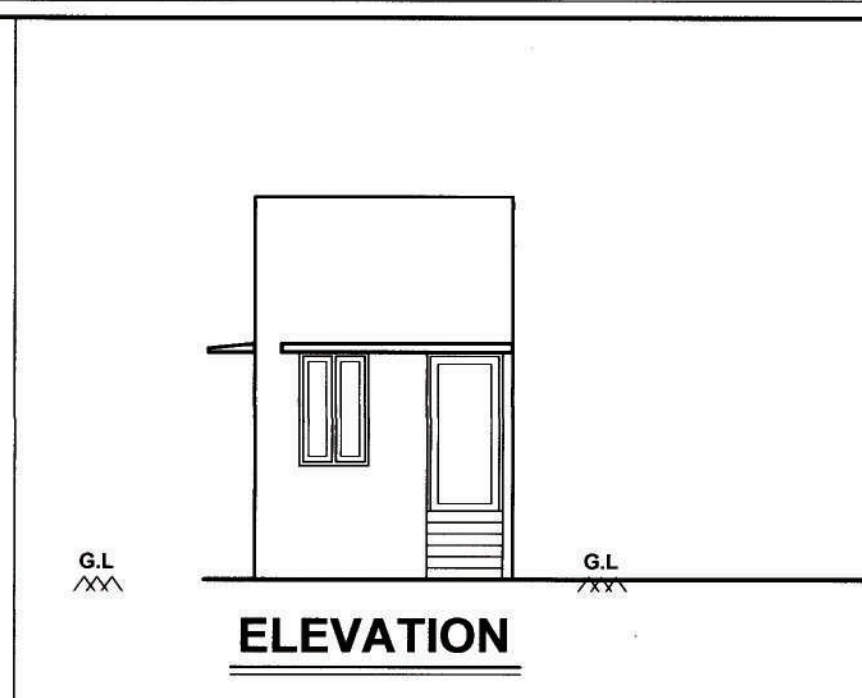
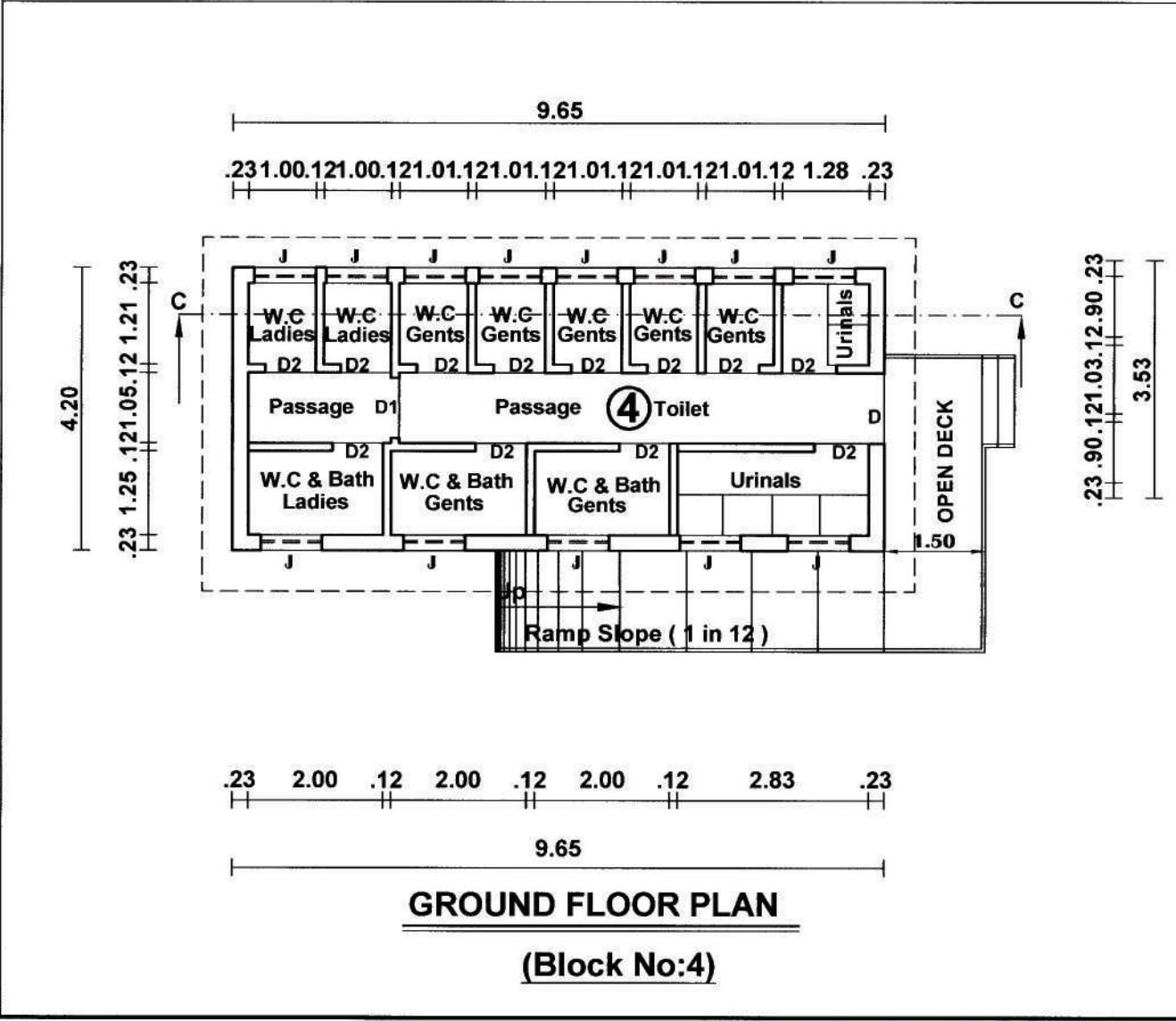
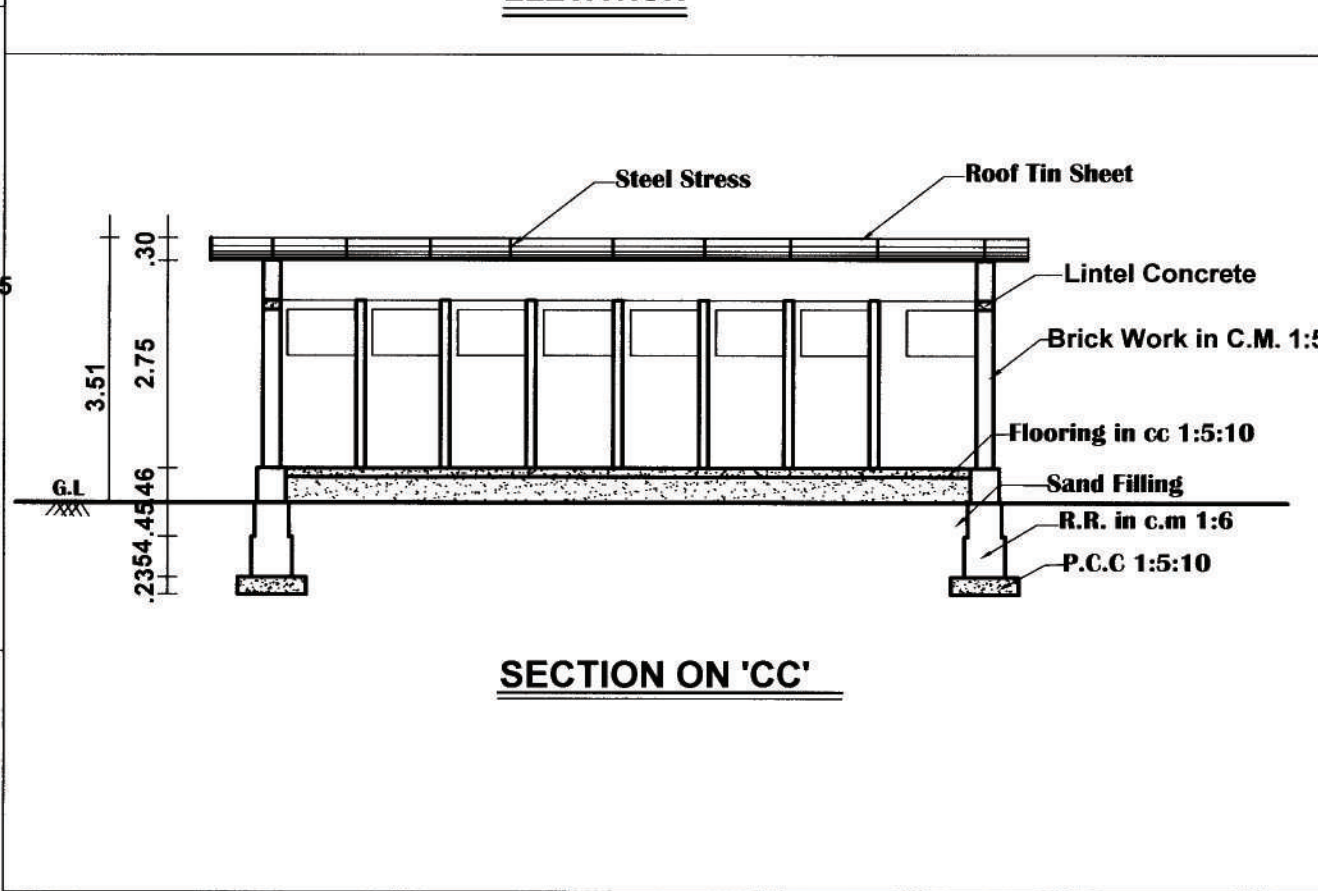
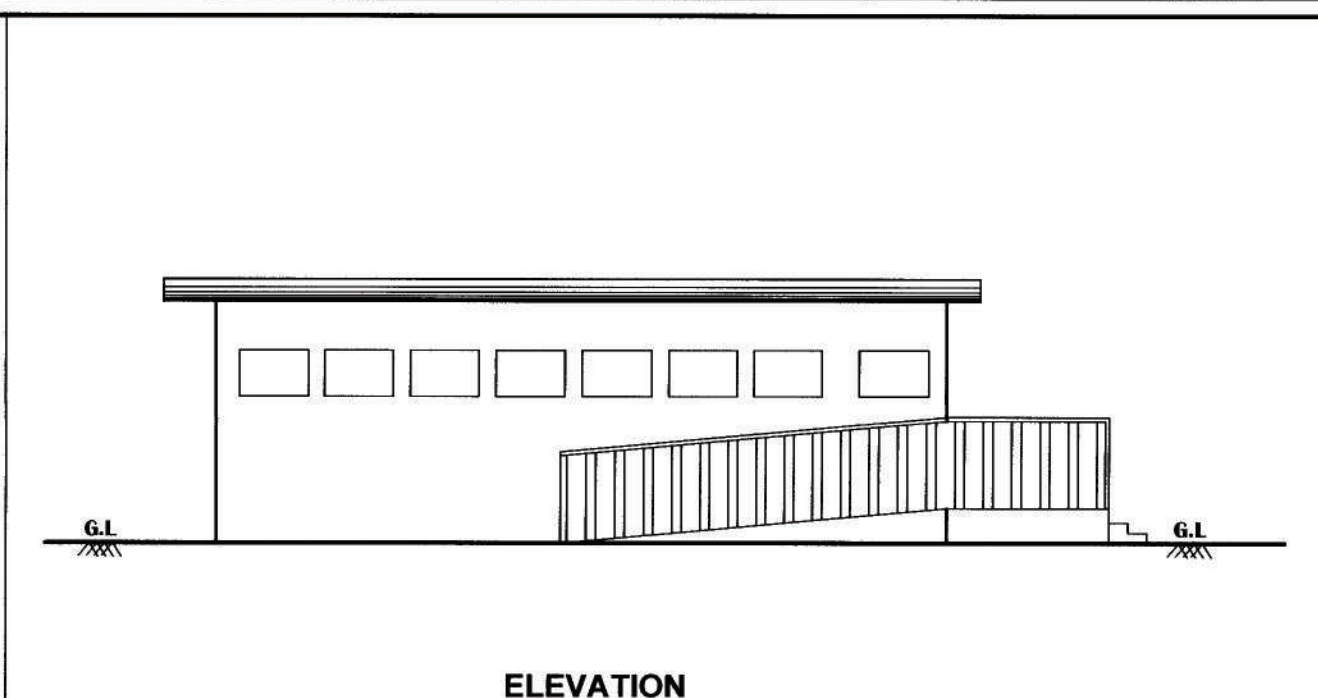
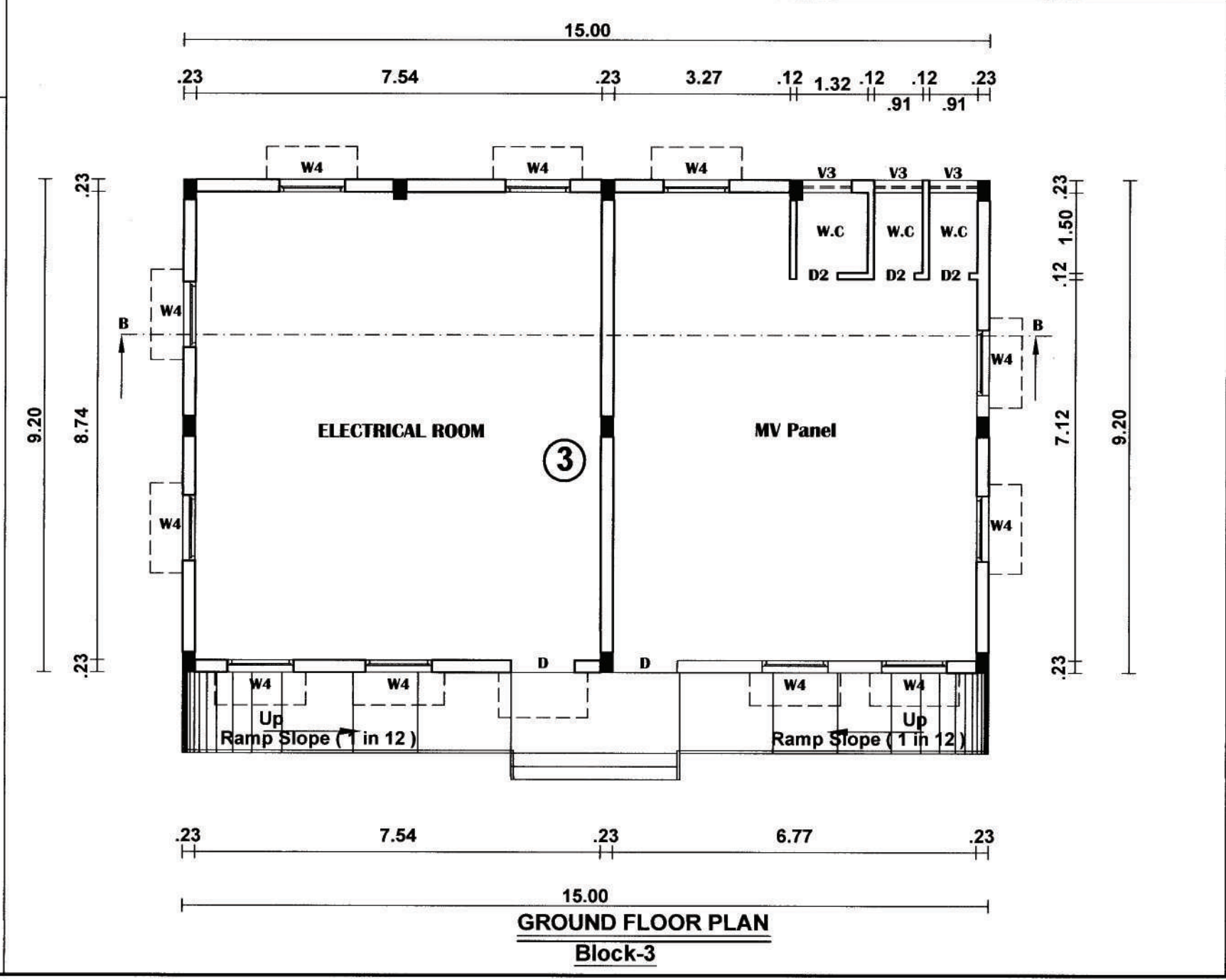
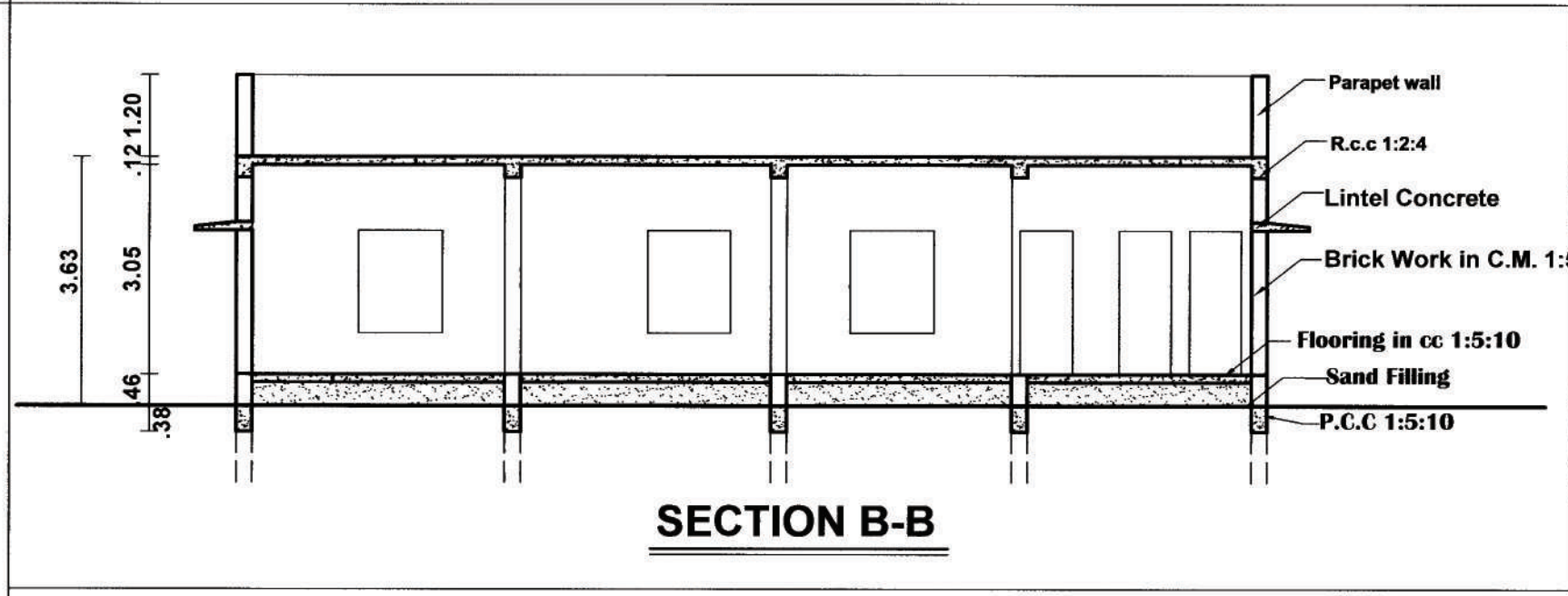
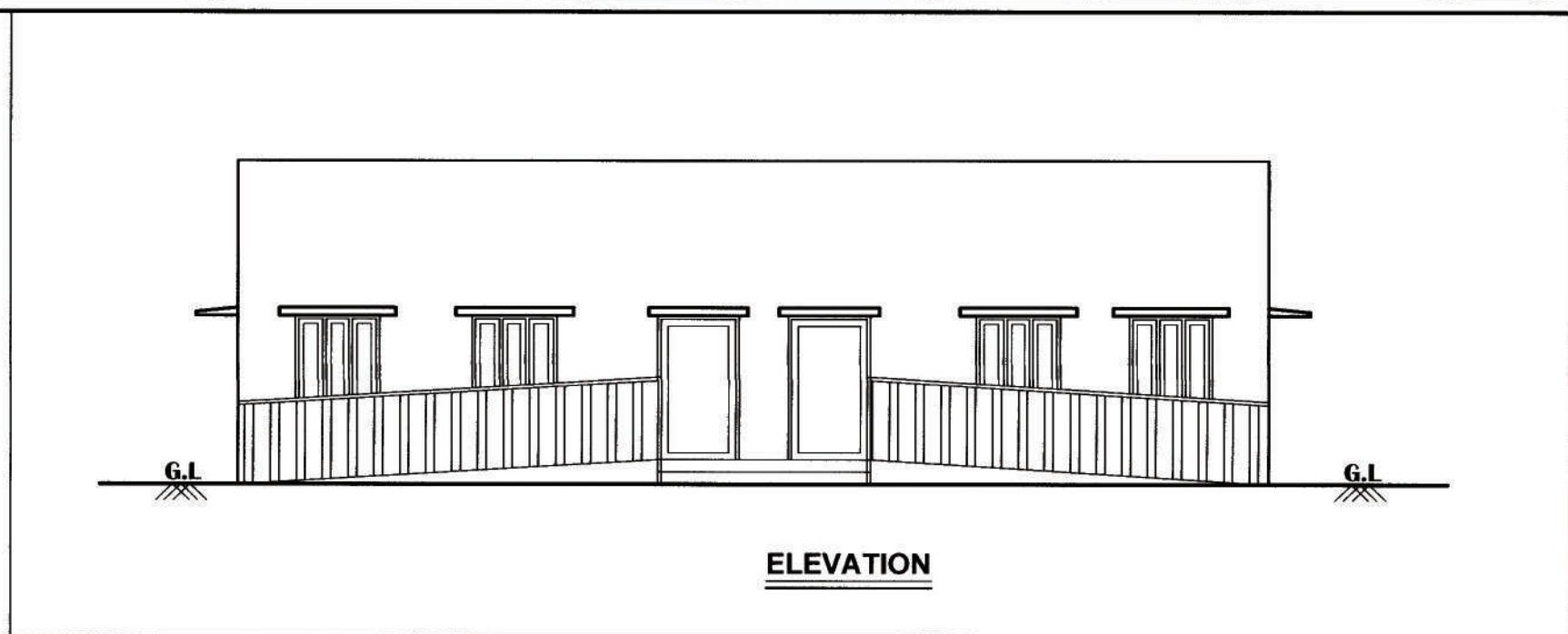
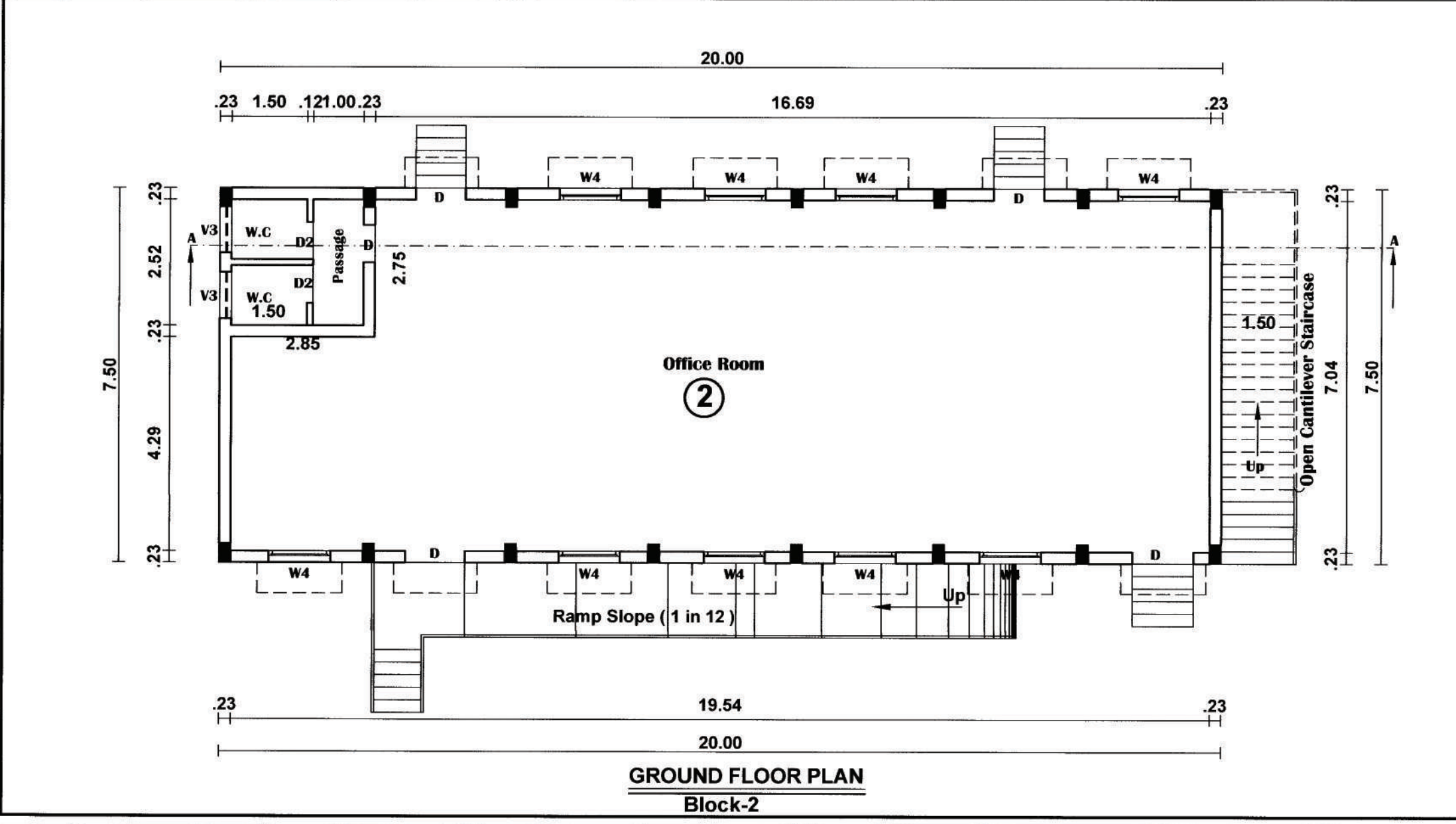
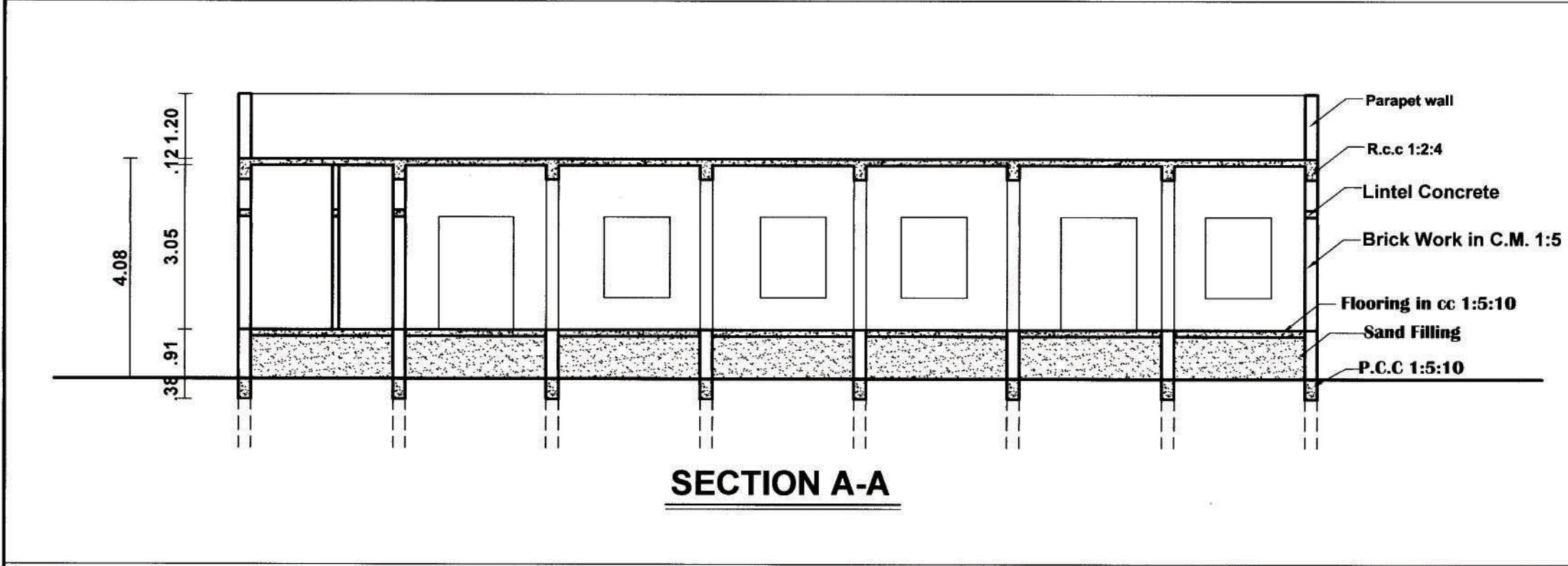
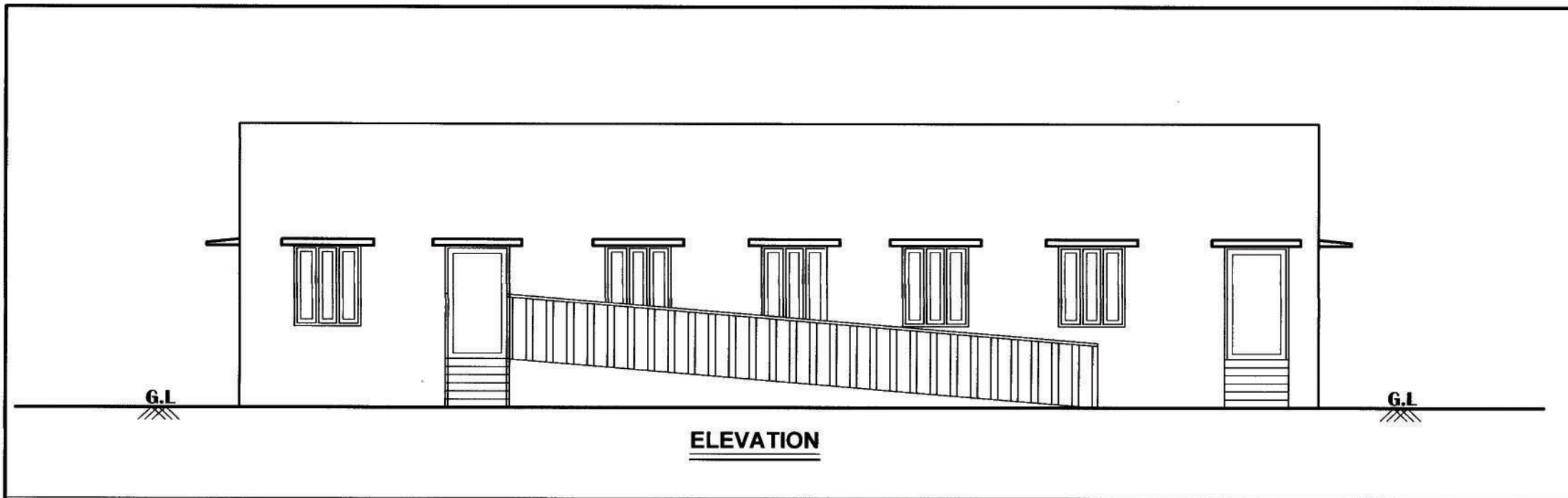
Structural Engineer

Construction Engineer

Applicant

Er. A. RAJU, M.E., AMIE., MISE.,
REGISTERED ENGINEER
REGN. NO: RE/REG/11TVL/March/2091/025
8/34B, SANKARAN KOVIL MAIN ROAD,
OPP. THACHANALLUR POLICE STATION
CHATHIRAM PUDHUKULAM,
TIRUNELVELI - 627 358.

Registered Engineer/ Architect



PLAN SHOWING THE PROPOSED CONSTRUCTION AND
INSTALLATION OF 581 H.P ELECTRIC MOTORS & 500 KVA GENERATOR FOR
"JESSY FORGE AND FITTINGS PVT LTD ", IN S.NO : 524A/1B & 524A/2A1
THERKU VALLIOOR PART-2 VILLAGE & PANCHAYAT, VALLIOOR PANCHAYAT
UNION, RADHAPURAM TALUK, TIRUNELVELI DISTRICT.

Scale 1:100 All Dimensions are in Metre Block No: 2 , 3, 4 & 5

BLOCK	DESCRIPTION	SQ.M	SQ.FT.
02	Office Block	150.00	17380
03	D.G & MV Panel Room	138.00	1485
04	Toilet Block	40.58	436
05	Security Cabin	12.32	133

JOINERY DETAILS:-

RS - ROLLING SHUTTER	6.00 x 2.10
D - DOOR	1.20 x 2.10
D1 - DOOR	0.90 x 2.10
D2 - DOOR	0.75 x 2.10
W3 - WINDOW	0.90 x 1.50
W4 - WINDOW	1.20 x 1.80
V3 - VENTILATOR	0.90 x 0.60
V1 - VENTILATOR	1.22 x 0.60
V4 - VENTILATOR	1.22 x 0.22
V5 - VENTILATOR	1.50 x 1.22

LEGEND:-

Pro. Building

B.P / DTCP No: 263 /2023.

Office Use

Dr. P. PRAVIN SUIJI
Construction Engineer - RCE
Reg. No: RCE/NLPA/2010/003
PRS BUILDERS
No: 81/18, Pooja Nagar, Parakkal Road
Kottar Post, Nagercoil - 629 002
Mob: 9597296772

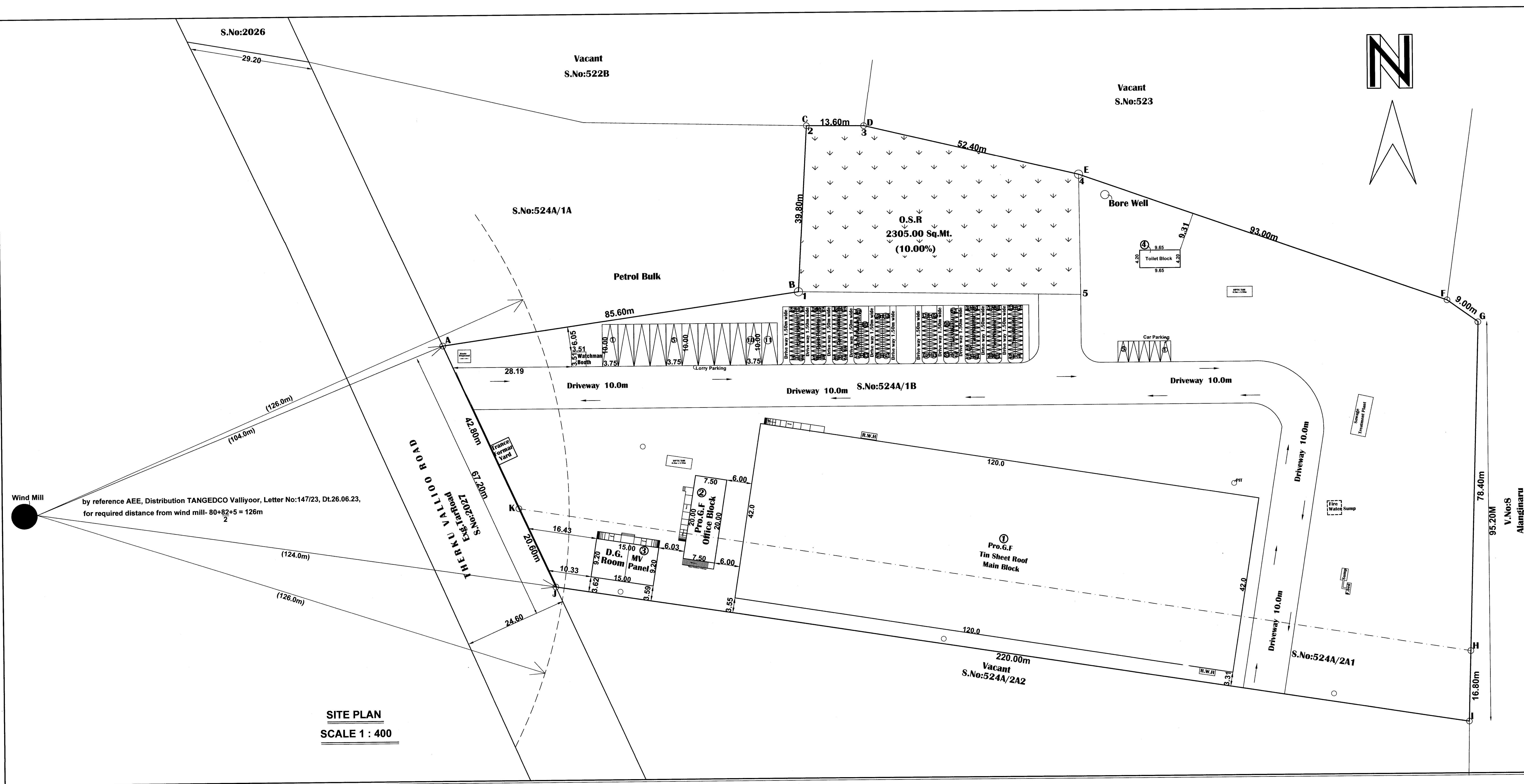
J. R. JULIUS, M.E., Ph.D.,
Registered Structural Engineer
Reg. No : RSE-1/NLPA/2020/006
4A1, Thalavaiyapuram, Nagercoil - 629004

Structural Engineer

Dr. A. RAJAN, M.E., AMIE, MISE.,
REGISTERED ENGINEER
REGN. NO: RE/GRJ/TVL/March/2091/025
8/74B, SANKARAN KOVIL MAIN ROAD,
OPP. THACHANALLUR POLICE STATION
CHATHIRAM PUDHUKULAM,
TIRUNELVELI - 627 358.

Registered Engineer/ Architect

Applicant



SITE PLAN
SCALE 1 : 400

MACHINERY DETAILS				
M/C.No	Machine name	Qty	Each Hp	Total Hp
1	Oil Fired Furnace	1	10	10
2	Forging press	1	100	100
3	Trimming press	1	70	70
4	Bar Cutting Hackaw Machine	1	10	10
5	Normalising Furnace	1	10	10
6	Shot Blasting Machine	1	10	10
7	CNC Lathe Machine	1	10	10
8	CNC Lathe Machine	1	10	10
9	CNC Lathe Machine	1	10	10
10	Drilling Machine	1	15	15
11	Marking Machine	1	2	2
12	packing Machine	1	4	4
13	Forging press	1	150	150
14	Old Fired Furnace	1	10	10
15	Normalising Furnace	1	10	10
16	Hackaw Cutting Machine	1	16	16
17	Shot Blasting Machine	1	20	20
18	CNC Lathe Machine	1	10	10
19	CNC Lathe Machine	1	15	15
20	Drilling Machine	1	20	20
21	Trimming press	1	70	70
TOTAL INSTALLED HP		581		
GENERATOR		1	500 KVA	

PARKING CALCULATIONS

Factory Building:

Required Parking For Workshop Area :

Total Building Area = 5040.00 Sq.m

Every 500 Sq.m = 1 Two wheeler

Every 50 Sq.m = 1 Two wheeler & 1 Cycle parking

Required Lorry Parking = 5040.00 / 500 Sq.m = 11 Lorry

Required Two wheeler parking = 5040.00 / 50 Sq.m = 101 Two Wheeler

Required Cycle parking = 5040.00 / 50 Sq.m = 101 Cycle parking

Office Building:

For Every 100 Sq.m = 1 Car Space (2.50 x 5.0)

Total Building Area = 150.00 Sq.m (G.F)

Required Parking = 150 Sq.m / 100 Sq.m = 2 Car Space

	Required	Available
Lorry Parking	11 Nos	11 Nos
Car Parking	2 Nos	5 Nos
Two wheeler & Cycle Parking	101 Nos	110 Nos

Note:

Waste Water Used for Garden

Rain Water harvesting Details Provided

Solar System Water tank provided

Fire Resistance to be provided

Emergency alarm to be provided

Drinking water to be provided as per corporation norms

Rain water harvesting tank to be provided

Waste water from recycled water tank & Trench connected to sullage disposal tank

Solid waste tub to be Provided

U traps provided in septic tank to prevent curb breeding of mosquitoes (As per G.O (M.S) No : 341 - dated 03.11.2004)

Floor Area Ratio	
=	G.F
=	Site Area
=	5368.58
=	22897.77
=	0.234 < 1.50

SITE PLAN SHOWING THE PROPOSED CONSTRUCTION AND INSTALLATION OF 581 H.P ELECTRIC MOTORS & 500 KVA GENERATOR FOR "JESSY FORGE AND FITTINGS PVT LTD ", IN S.No : 524A/1B & 524A/2A1 THERKU VALLIOOR PART-2 VILLAGE & PANCHAYAT, VALLIOOR PANCHAYAT UNION, RADHAPURAM TALUK, TIRUNELVELI DISTRICT.

Scale 1:100. All Dimensions are in Metre

AREA DETAILS:-	Sq.Mt	Sq.Ft
Site Area (A to K) (As per Super Imposed Area)	22897.77	246472
Pro.Ground Floor Area	5380.90	57920
OPEN AREA	17516.87	188552
Total Pro.Building Area In G.F	5380.90	57920

Proposed Details

SANITATION REQUIREMENTS FOR FACTORIES

WORKERS DETAILS :-

Gents - 20 Nos

Ladies - 5 Nos

Male- 40 nos

Female Nil

Water Closet

16 To 35 Persons = 2 W.C

1 To 15 Persons = 2 W.C

Sanitary Unit/ Fittings	Required	Available	
Water Closet	6	10	OK
Urinals	6	10	OK
Ablution Taps	One in Each W.C	One in Each W.C	OK
Washing Tap With Draining Arrangement	2	3	OK
Drinking Water Fountain	5	6	OK
Cleaners Sink	3	5	OK
Emergency Shower And Eye Wash Fountain	1	2	OK

Block Name

Total Buildup Area

Covered Parking

Deduction

Total FSA Area

Block No:1 (Main Block)	5040.00	---	---	5040.00
Block No:2 (Office Room)	150.00	---	---	150.00
Block No:3 (Electrical & MV Panel Room)	138.00	---	---	138.00
Block No:4 (Toilet Block)	40.58	---	---	40.58
Block No:5 (Watch man Booth)	12.32	---	---	12.32
Total Area	5380.90	---	12.32	5368.58

Office Use

B.P / DTCP No: 263 /2023.

Construction Engineer

Structural Engineer

Applicant

Registered Engineer/ Architect