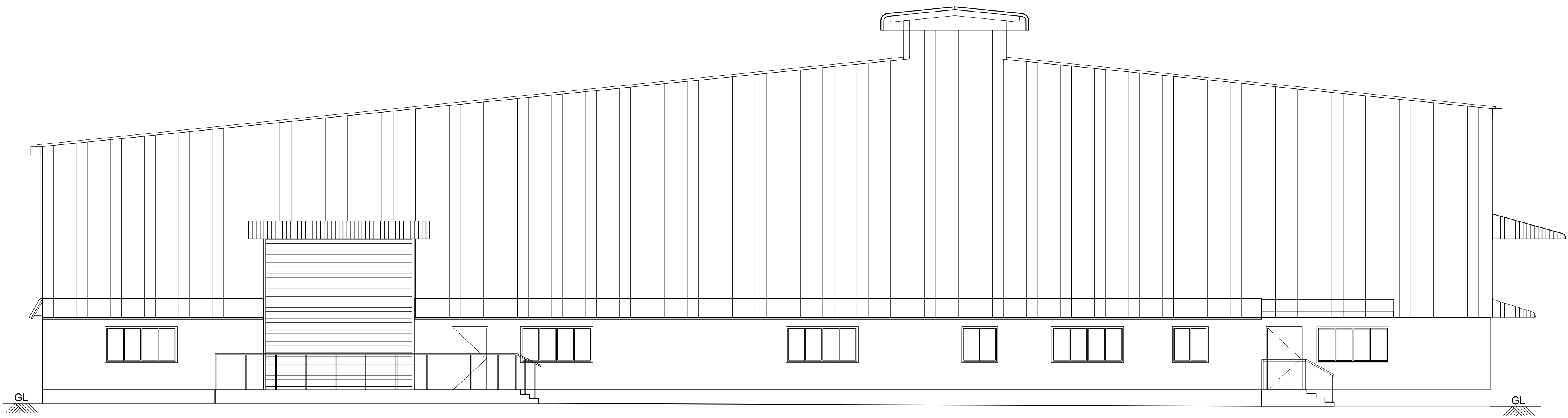
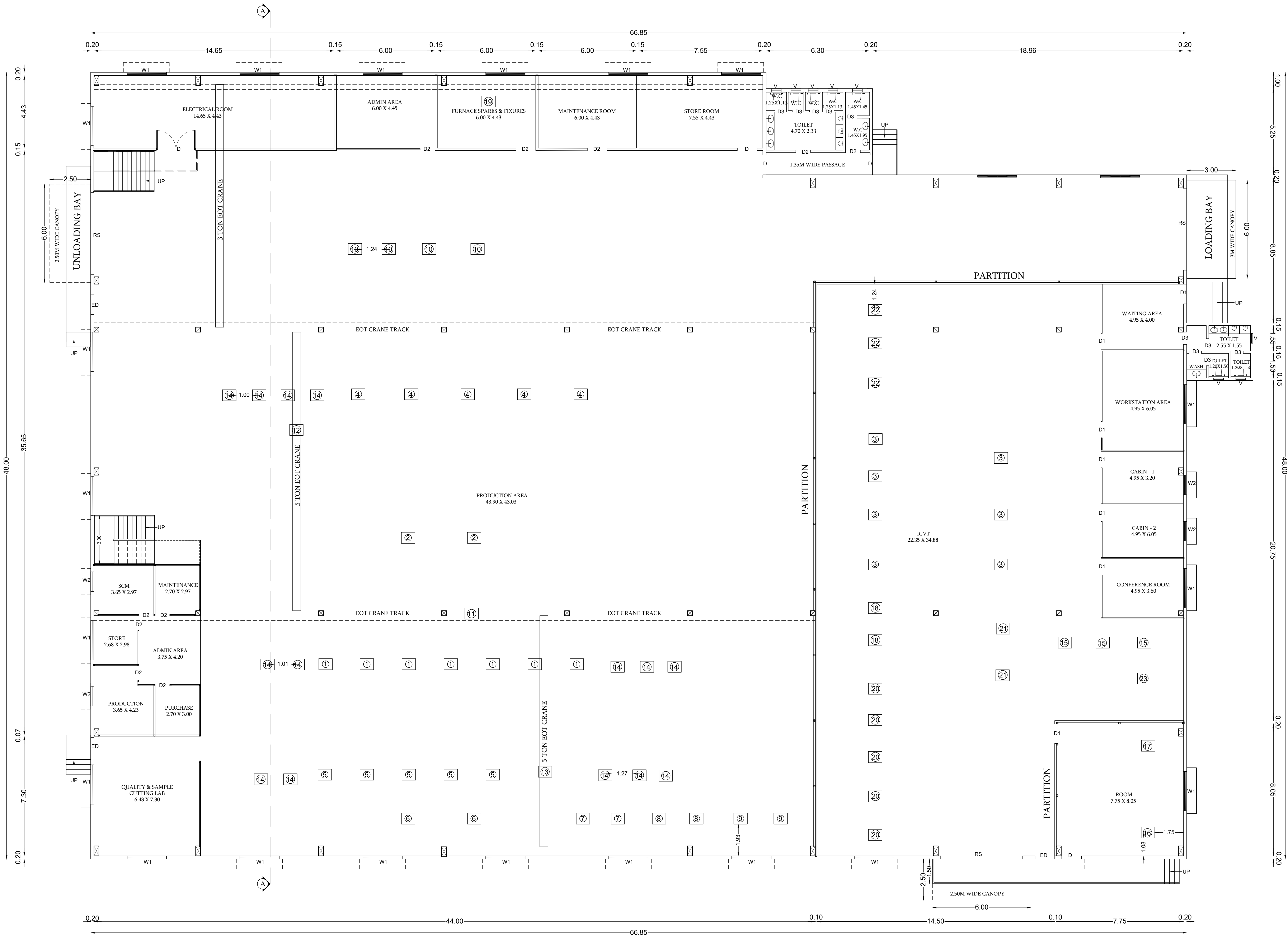




SOUTH SIDE ELEVATION
BLOCK- FACTORY BUILDING



GROUND FLOOR PLAN
BLOCK- FACTORY BUILDING

PLAN SHOWING THE PROPOSED INDUSTRIAL BUILDING CONSTRUCTION OF HEAT TREATMENT SERVICE PROVIDER FOR AUTO COMPONENTS UNIT **M/S.UNITHERM ENGINEERS LIMITED**, PLOT NO: L-7/1C, L-7/1D SIPCOT'S AEROSPACE PARK AT VALLAM VADAKAL IN SURVEY NO.231(Part) OF VALLAM 'A' VILLAGE & 232(Part) OF KARANIPATTU VILLAGE, SRIPERUMBUDUR TALUK, KANCHIPURAM DISTRICT.

TITLE:

BLOCK FACTORY BUILDING PLAN,
ELEVATION



SIPCOT PLOT APPROVAL NO:
ம.வந.ஊ.து.இ.(க.த.ப.த) எண்.82/2021

TNPCCB - ORANGE CATEGORY,

SCALE: SITE PLAN- 1:200, FLOOR PLAN 1: 100

TNPCCB - ORANGE CATEGORY,
HEAT TREATMENT SERVICE PROVIDER FOR AUTO COMPONENTS

JOINERY DETAILS

TYPES	DESCRIPTION	SIZE
RS	ROLLING SHUTTER	5.00 X 5.00
ED	EMERGENCY DOOR	1.20 X 2.13
D	MAIN DOOR	2.40 X 2.13
D1	DOOR	1.00 X 2.13
D2	DOOR	0.90 X 2.13
D3	DOOR	0.76 X 2.13
W1	WINDOW	2.40 X 1.60
W2	WINDOW	1.20 X 1.50
V	VENTILATOR	0.60 X 0.75

MACHINERY DETAILS

S.NO	NAME OF MACHINERY	NOS	EACH H.P	TOTAL H.P
01	SQF 1 - 600 KGS	7	205.2	1436.4
02	WASH MACHINE - 01- 600 KGS	2	108	216
03	TF - 01 - 600 KGS	7	70.2	491.4
04	SQF 1 - 1500 KGS	5	386.1	1930.5
05	TF - 01 - 1500 KGS (Tempering Furnace)	5	105.3	526.5
06	WASH MACHINE - 01- 1500 KGS	2	159.3	318.6
07	CHARGE WAGON - 1000 KGS	2	5.4	10.8
08	CHARGE WAGON - 2000 KGS	2	8.1	16.2
09	CHARGE WAGON - 1500 KGS	2	8.1	16.2
10	GNF - 01 - 1500 KGS	4	238.95	955.8
11	EOT CRANE 7 TON	1	20.25	20.25
12	EOT CRANE 5 TON	1	14.85	14.85
13	EOT CRANE 5 TON	1	14.85	14.85
14	SCISSOR LIFT	12	2.7	32.4
15	AIR COMPRESSOR	3	14.85	44.55
16	FIRE SYSTEM	1	54	54
17	AIR COMPRESSOR	1	14.85	14.85
18	VACUUM HARDENING FURNACE-600 KGS	2	240.3	480.6
19	VACUUM HARDENING FURNACE-1200 KGS	1	513	513
20	ELECTRICAL HEAT TEMPERING FURNACE-01 - 600 KGS	5	70.2	351
21	ELECTRICAL HEAT TEMPERING FURNACE-02 - 1200 KGS	2	137.7	275.4
22	PIN (PLASMA)	3	81	243
23	MICRO BLASTING	2	9.45	18.9
24	SCISSOR LIFT	1	2	2
25	LPG YARD	2	2	4
26	AMMONIA STORAGE TANK	1	3	3
27	WATER COOLING SYSTEM	1	94.5	94.5
28	COOLING TOWER	2	5	10
TOTAL H.P				8109.55

COLOUR REFERENCE

- PROPOSED BUILDING
PROPOSED MACHINERY

For UNITHERM ENGINEERS LIMITED
Authorized Signatory

OWNER / OCCUPIER

Authorized Signatory
R. SATYANARAYAN, A.M.A. (P.E.)
Registered Engineer & Structural Engineer Grade I (P.E.)
Reg. No. 12451 (Mechanical Engineering) / 12451 (P.E.)
R/S, Kanchipuram, Kanchipuram District
R/S, Kanchipuram, Kanchipuram District
Cell: 94431 2751 email: satyanaran.rv@yahoo.com

Authorized Signatory
D. SHANMUGASUBRAMANIAM, A.M.A. (P.E.)
Registered Engineer & Structural Engineer Grade I (P.E.)
Reg. No. 12451 (Mechanical Engineering) / 12451 (P.E.)
R/S, Kanchipuram, Kanchipuram District
R/S, Kanchipuram, Kanchipuram District
Cell: 94431 2751 email: satyanaran.rv@yahoo.com

ARCHITECT

STRUCTURAL ENGINEER Gr-1

BLOCK FACTORY BUILDING MEZZANINE FLOOR PLAN & SECTION



SIPCOT PLOT APPROVAL NO:
ம.வ/ந.ஊ.து.இ(கா.மா) எண்.82/2021

TNPCB - ORANGE CATEGORY.

SCALE: SITE PLAN- 1:200, FLOOR PLAN 1: 100

TNPCB - ORANGE CATEGORY,
HEAT TREATMENT SERVICE PROVIDER FOR AUTO COMPONENTS

JOINERY DETAILS

TYPES	DESCRIPTION	SIZE
RS	ROLLING SHUTTER	5.00 X 5.00
ED	EMERGENCY DOOR	1.20 X 2.13
D	MAIN DOOR	2.40 X 2.13
D1	DOOR	1.00 X 2.13
D2	DOOR	0.90 X 2.13
D3	DOOR	0.76 X 2.13
W1	WINDOW	2.40 X 1.60
W2	WINDOW	1.20 X 1.50
V	VENTILATOR	0.60 X 0.75

COLOUR REFERENCE

☐ PROPOSED BUILDING
☐ PROPOSED MACHINERY

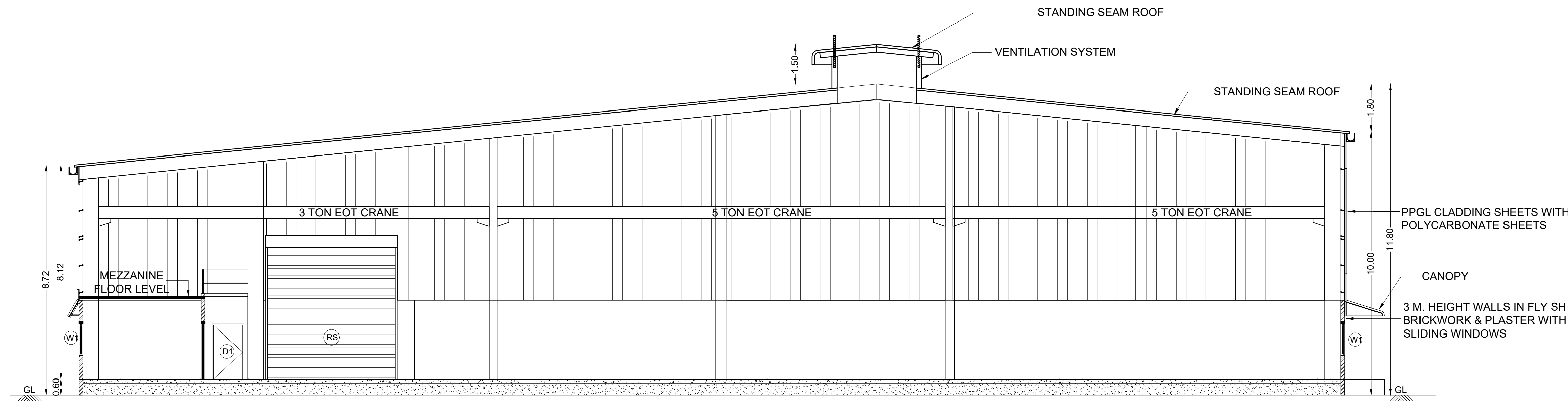
For UNITHERM ENGINEERS LIMITED
ABAZHI
Authorised Signatory

OWNER / OCCUPIER

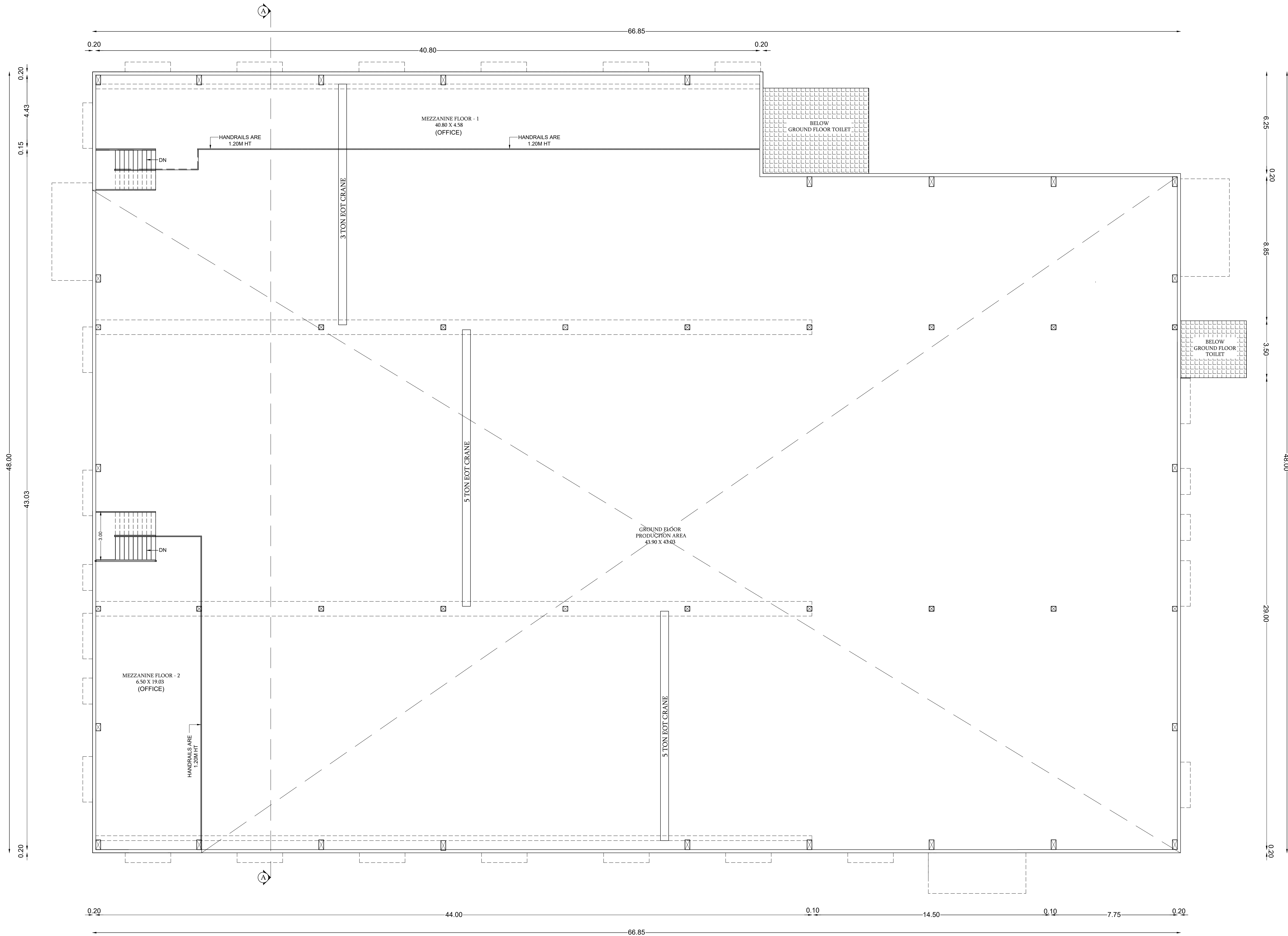
R. SATHISHKUMAR, B.Tech, JGVP, & Co.,
Licensed Surveyor & Registered Engineer Grade-I (R&E)
Reg. No. CG10157/R&E/G-1/2021/07/034
No.2, Karuthi Nagar, Akkorpakkam Dist.,
Madhavanchengode Taluk, Chengalpattu Dist. - 603 301
Mob. +9444 91 2210 email: sathishkumar.ner@yahooinfo.com

D. SHANMUGASUNDARAM
B.E. (CIVIL), M.TECH (STRUCT), M.A.E., C.A.M.E.
Registered Structural Engineer, CSE-4,
CELRON/SENG/4268/10045, Dt 17-12-19,
Joel Towers, Block - C20, 1st Street, Nannamath
Nagar Extension, Sambakkam, Chennai - 600 07
91461610045 91461606531

STRUCTURAL ENGINEER Gr-1



SECTION ON A-A
BLOCK- FACTORY BUILDING



MEZZANINE FLOOR PLAN

BLOCK- FACTORY BUILDING

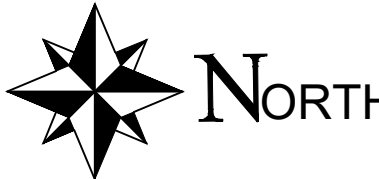


ROOF PLAN
PRODUCTION BLOCK

SHEET NO - 03/04

PLAN SHOWING THE PROPOSED INDUSTRIAL BUILDING CONSTRUCTION OF HEAT TREATMENT SERVICE PROVIDER FOR AUTO COMPONENTS UNIT
M/S.UNITHERM ENGINEERS LIMITED, PLOT NO: L-7/1C, L-7/1D SIPCOT'S AEROSPACE PARK AT VALLAM VADAKAL IN SURVEY NO.231(Part) OF VALLAM 'A' VILLAGE & 232(Part) OF KARANIPATTU VILLAGE, SRIPERUMBUDUR TALUK, KANCHIPURAM DISTRICT.

TITLE:
BLOCK FACTORY BUILDING ROOF PLAN



SIPCOT PLOT APPROVAL NO:
ம.வ.ந.ஊ.து.இ.(கா.மா) எண்.82/2021

TNPCB - ORANGE CATEGORY,
HEAT TREATMENT SERVICE PROVIDER FOR AUTO COMPONENTS

SCALE: SITE PLAN- 1:200, FLOOR PLAN 1: 100

JOINERY DETAILS

TYPES	DESCRIPTION	SIZE
RS	ROLLING SHUTTER	5.00 X 5.00
ED	EMERGENCY DOOR	1.20 X 2.13
D	MAIN DOOR	2.40 X 2.13
D1	DOOR	1.00 X 2.13
D2	DOOR	0.90 X 2.13
D3	DOOR	0.76 X 2.13
W1	WINDOW	2.40 X 1.60
W2	WINDOW	1.20 X 1.50
V	VENTILATOR	0.60 X 0.75

COLOUR REFERENCE

- PROPOSED BUILDING
- PROPOSED MACHINERY

For UNITHERM ENGINEERS LIMITED
Authorized Signatory

OWNER / OCCUPIER

R. Sathyashankar
R. SATYASHANKAR, A.I.A., C.E., C.E.M., C.E.M.B.
Licensed Surveyor & Registered Engineer (Civil)
Reg.No:CE001776 (Reg.No: 17071) 07/09/2019
No.3, Eastview Ridge, Kottapattinam Road,
Baddaravallur Village, Chengalpattu Dist - 603 201
(Cell: 9944 912718 email: satyashankar@rediffmail.com)

ARCHITECT

D. Shanmugasundaram
D. SHANMUGASUNDARAM
B.E (CIVIL), M.TECH (STRUCTURE), M.I.E., C.E.M.B. &
Registered Structural Engineer (CIVIL)
REGISTRATION NO:CE001806, No. 17-10-16,
Jeeva Towers, Block - C20, 1st Street, Maraimalai
Nagar Extension, Saranankulam, Chennai - 600 075,
sundar@rediffmail.com, + 9876543210

STRUCTURAL ENGINEER Gr-1

PLAN SHOWING THE PROPOSED INDUSTRIAL BUILDING CONSTRUCTION OF HEAT TREATMENT SERVICE PROVIDER FOR AUTO COMPONENTS UNIT, M/S. UNITHERM ENGINEERS LIMITED, PLOT NO: L-7/C, L-7/D SIPCOT'S AEROSPACE PARK, AT VALLAM VADAKAL IN SURVEY NO.231(Part) OF VALLAM 'A' VILLAGE & 232(Part) OF KARANIPATTU VILLAGE, SRIPERUMBUDUR TALUK, KANCHIPURAM DISTRICT.

TITLE: SITE PLAN, AMMONIA STORAGE SHED, LPG YARD, SECURITY PLAN, SECTION & ELEVATION



SIPCOT PLOT APPROVAL NO: 0.வந.உ.து.இ.(கா.101) எண்.82/2021

TNPCB - ORANGE CATEGORY, HEAT TREATMENT SERVICE PROVIDER FOR AUTO COMPONENTS

SCALE: SITE PLAN- 1:200, FLOOR PLAN 1: 100

AREA STATEMENT (Sq.m)

TOTAL PLOT AREA : 2.06 Acre (8336.52Sq.m)
[SURVEY NO.231pt (0.46Acre IN VALLAM) & SURVEY NO.232pt (1.60Acre IN KARANIPATTU)]

SL.NO	BLOCK NAME	FLOOR NAME	FSI AREA (Sq.m)	NON FSI AREA (Sq.m)	TOTAL BUILDUP AREA (Sq.m)	BUILDING HEIGHT (ft)
1	BLOCK- FACTORY BUILDING	GROUND FLOOR (WORKSHOP)	3,096.75	—	3144.75	11.80 M
		CANOPY (2.50X8.00)-2Nos	30.00	—		
		CANOPY (3.00X8.00)-1Nos	18.00	—		
		MEZZANINE FLOOR-1 (OFFICE)	209.67	—		
		MEZZANINE FLOOR-2 (OFFICE)	136.29	—		
2	IGYT ELECTRICAL SHED	GROUND FLOOR	42.84	—	42.84	5.75M
3	UEL ELECTRICAL SHED	GROUND FLOOR	33.60	—	33.60	5.41M
4	LPG YARD	GROUND FLOOR	93.33	—	93.33	5.71M
5	AMMONIA STORAGE SHED	GROUND FLOOR	14.71	—	14.71	5.20M
6	SECURITY	GROUND FLOOR	—	6.25	6.25	3.50M
TOTAL AREA IN Sq.m			3,675.19	6.25	3,681.44	

F.S.I : $\frac{3,675.19}{8336.52} = 0.44$

PARKING	REQUIRED	PROVIDED
LORRY PARKING	07 Nos	07 Nos
CAR PARKING	4 Nos	4 Nos
TWO WHEELER PARKING	65 Nos	74 Nos
CYCLE PARKING	65 Nos	75 Nos

TOTAL H.P: 8109.55 H.P
NO OF WORKERS : 50 Nos (45M + 5F)

COLOUR REFERENCE

	ROAD		PROPOSED BUILDING
	SITE BOUNDARY		PROPOSED MACHINERY

JOINERY DETAILS

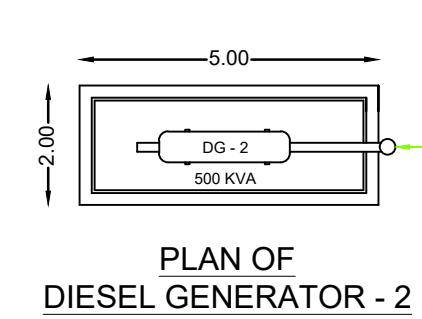
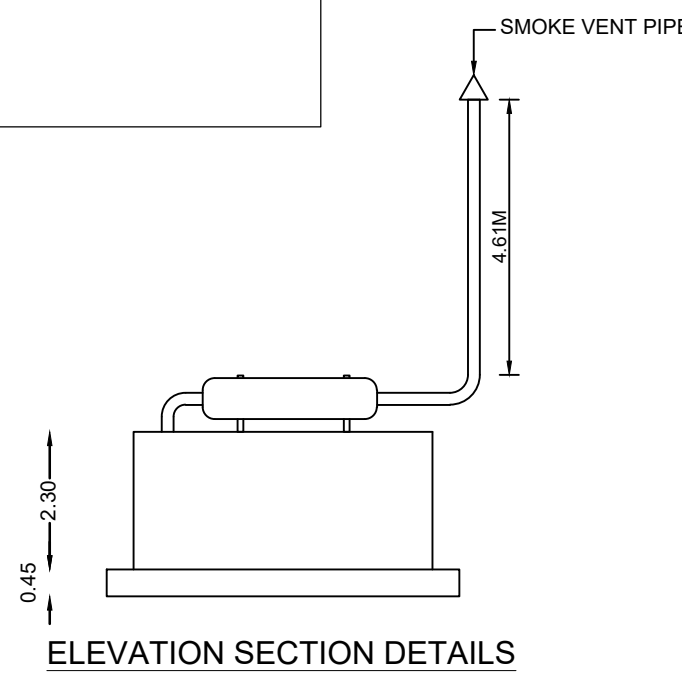
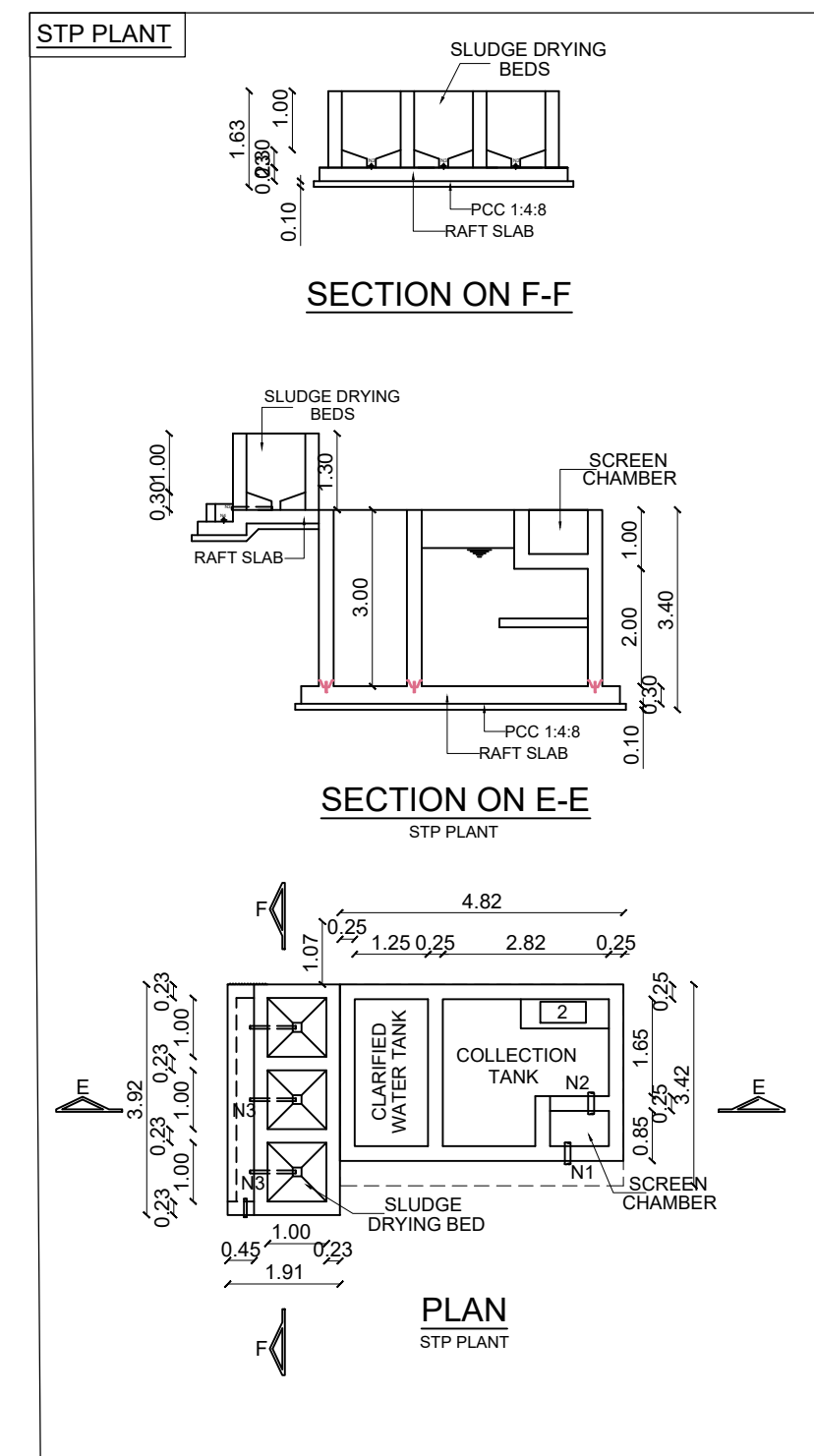
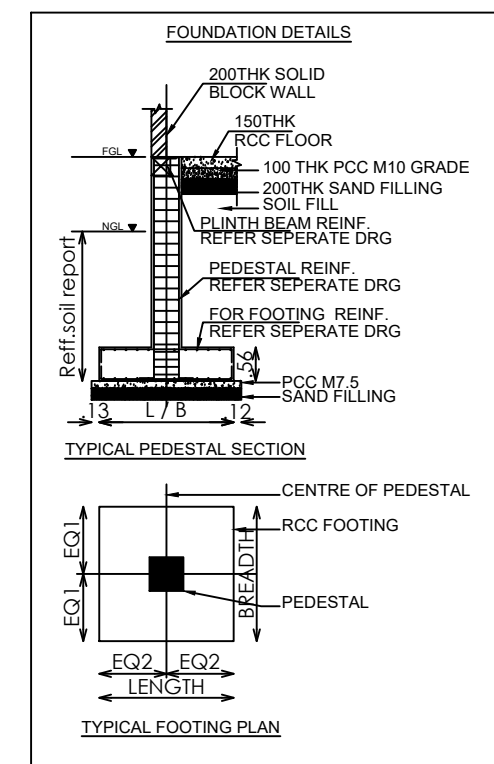
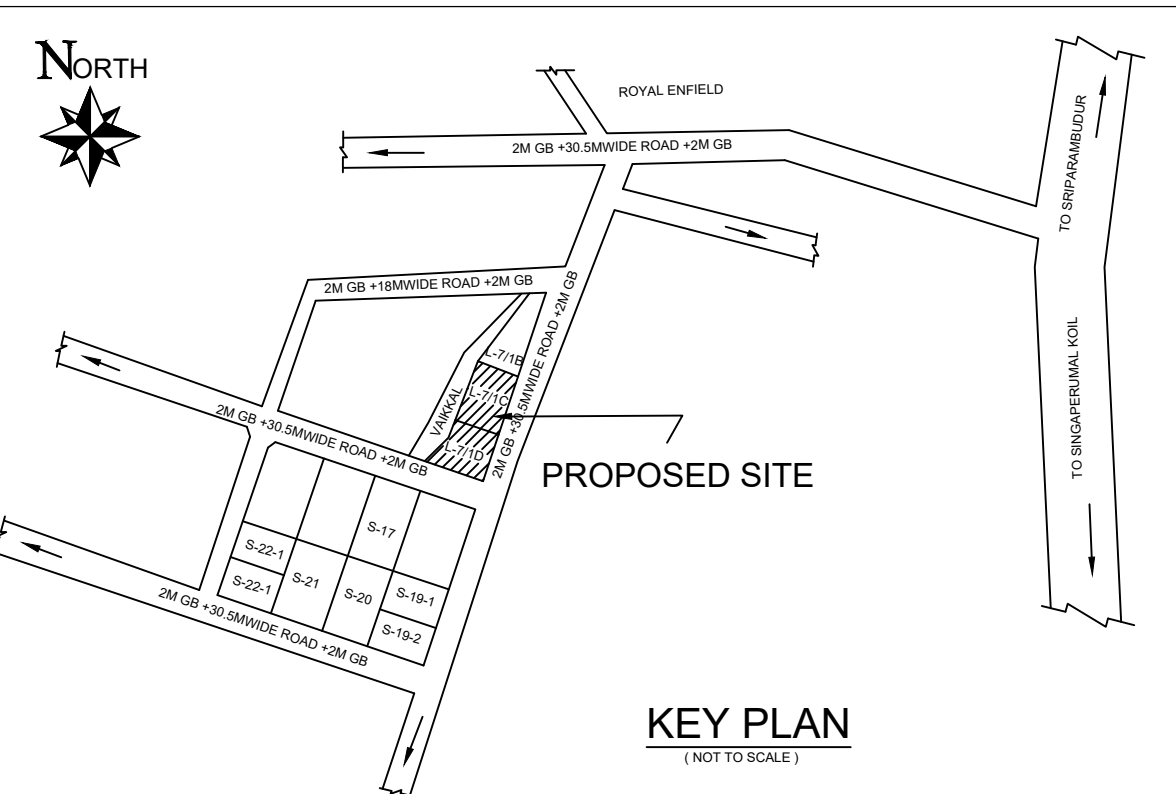
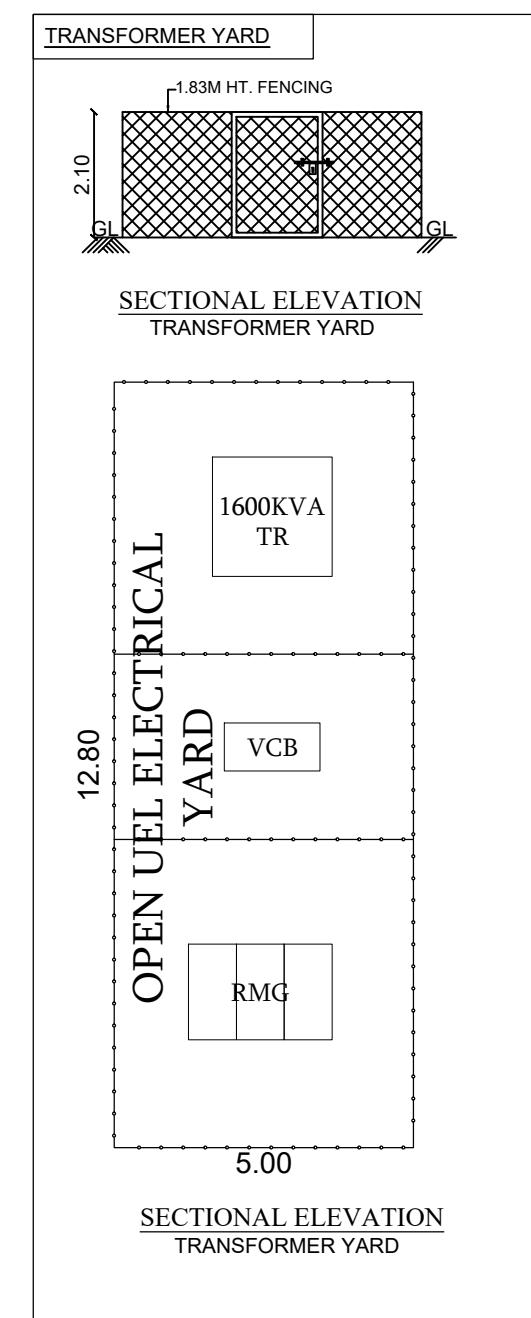
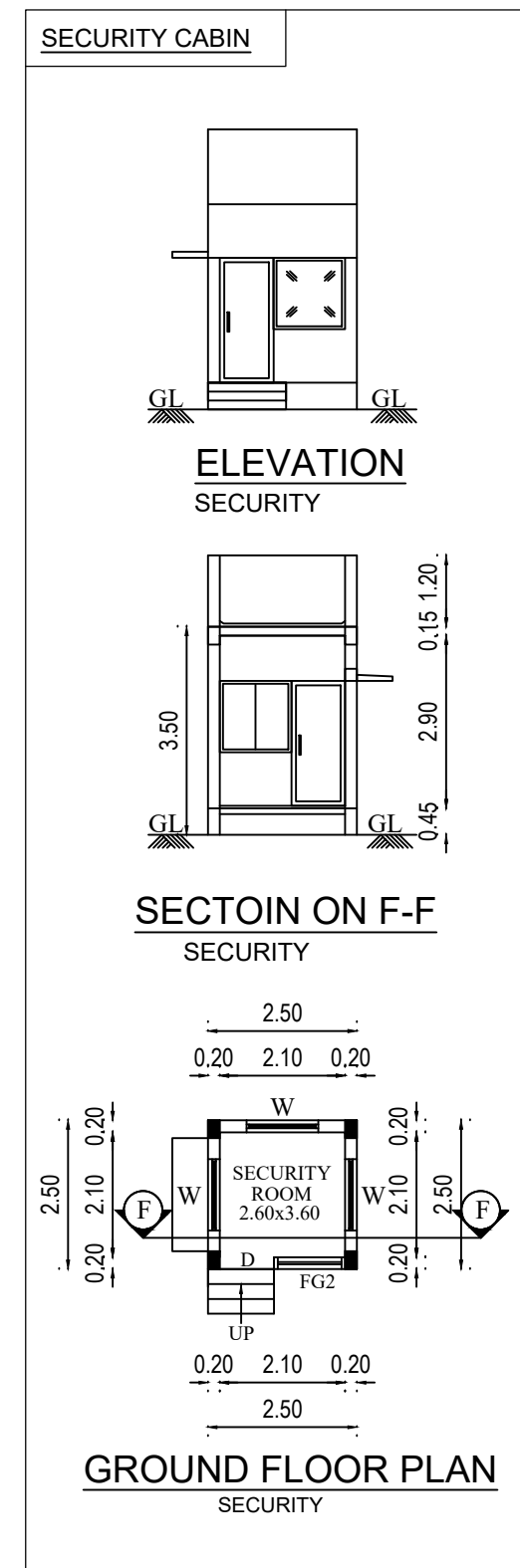
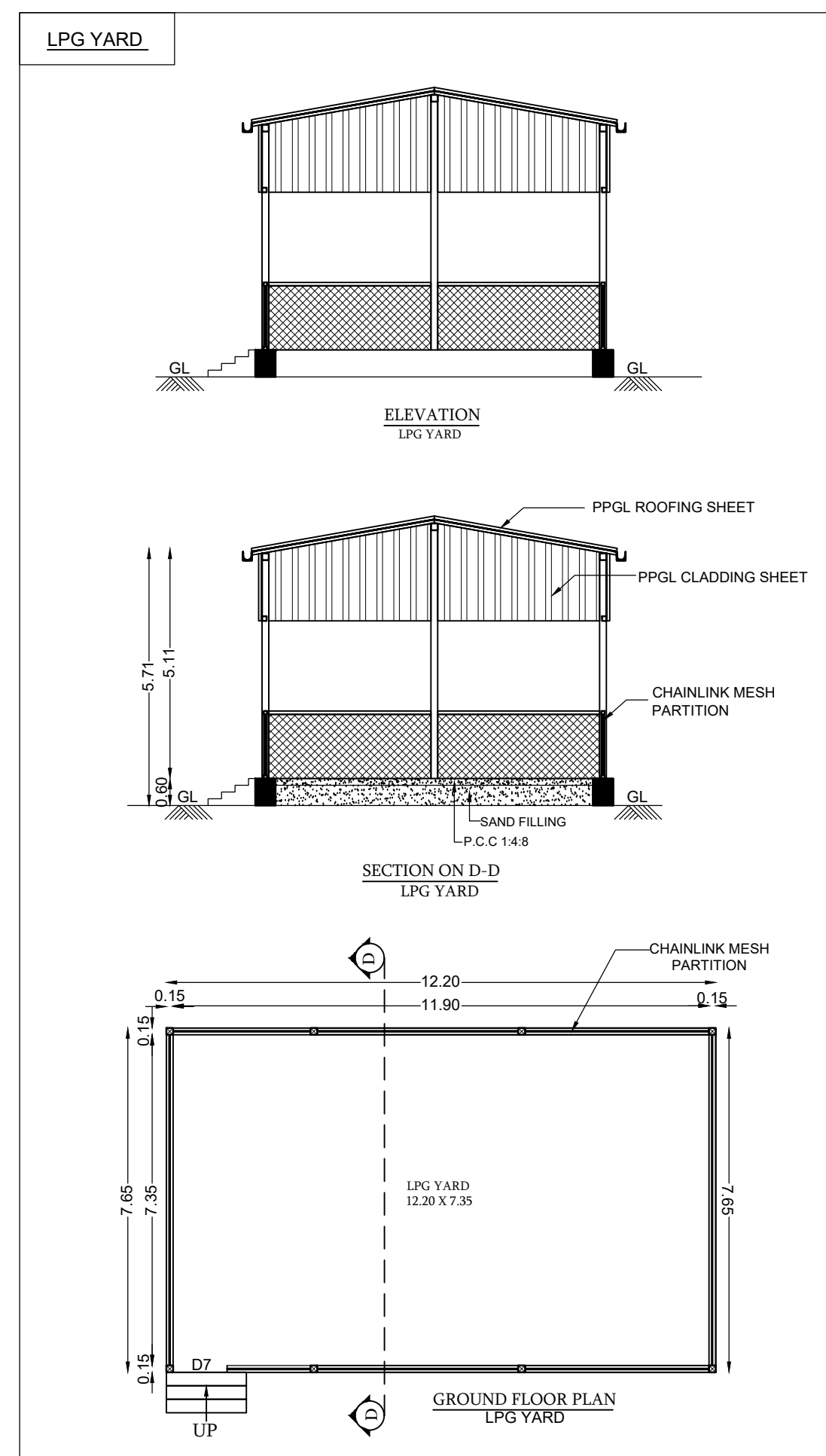
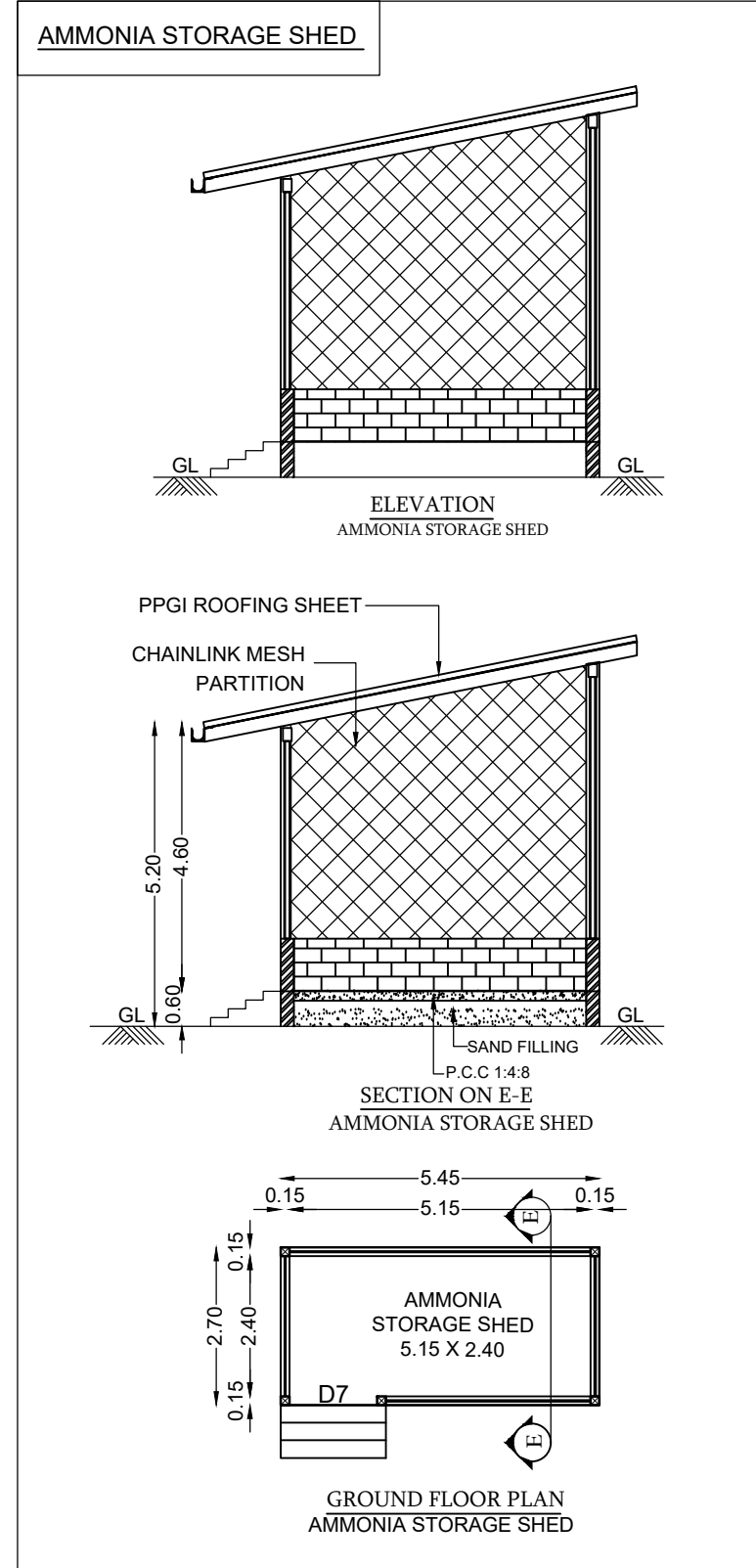
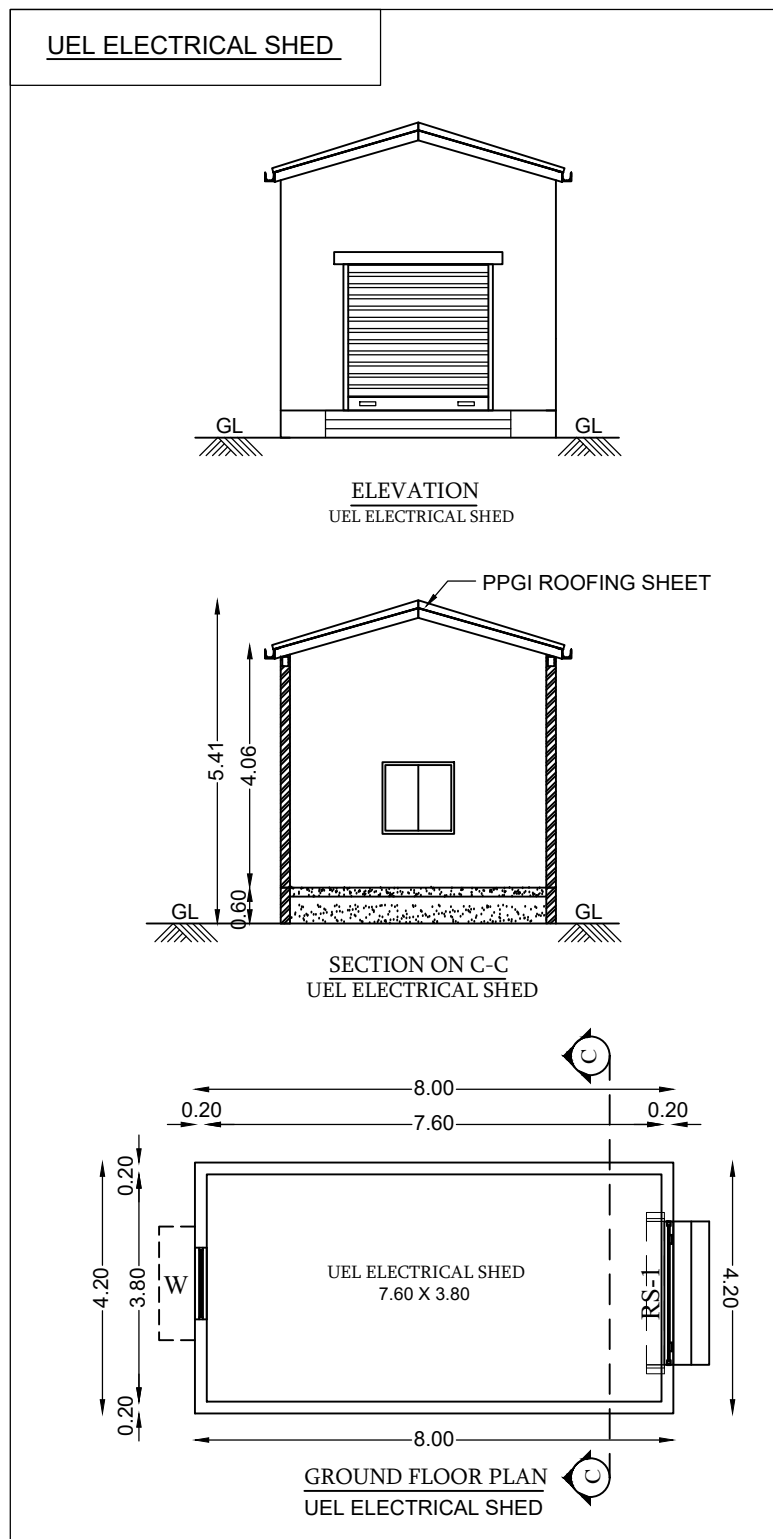
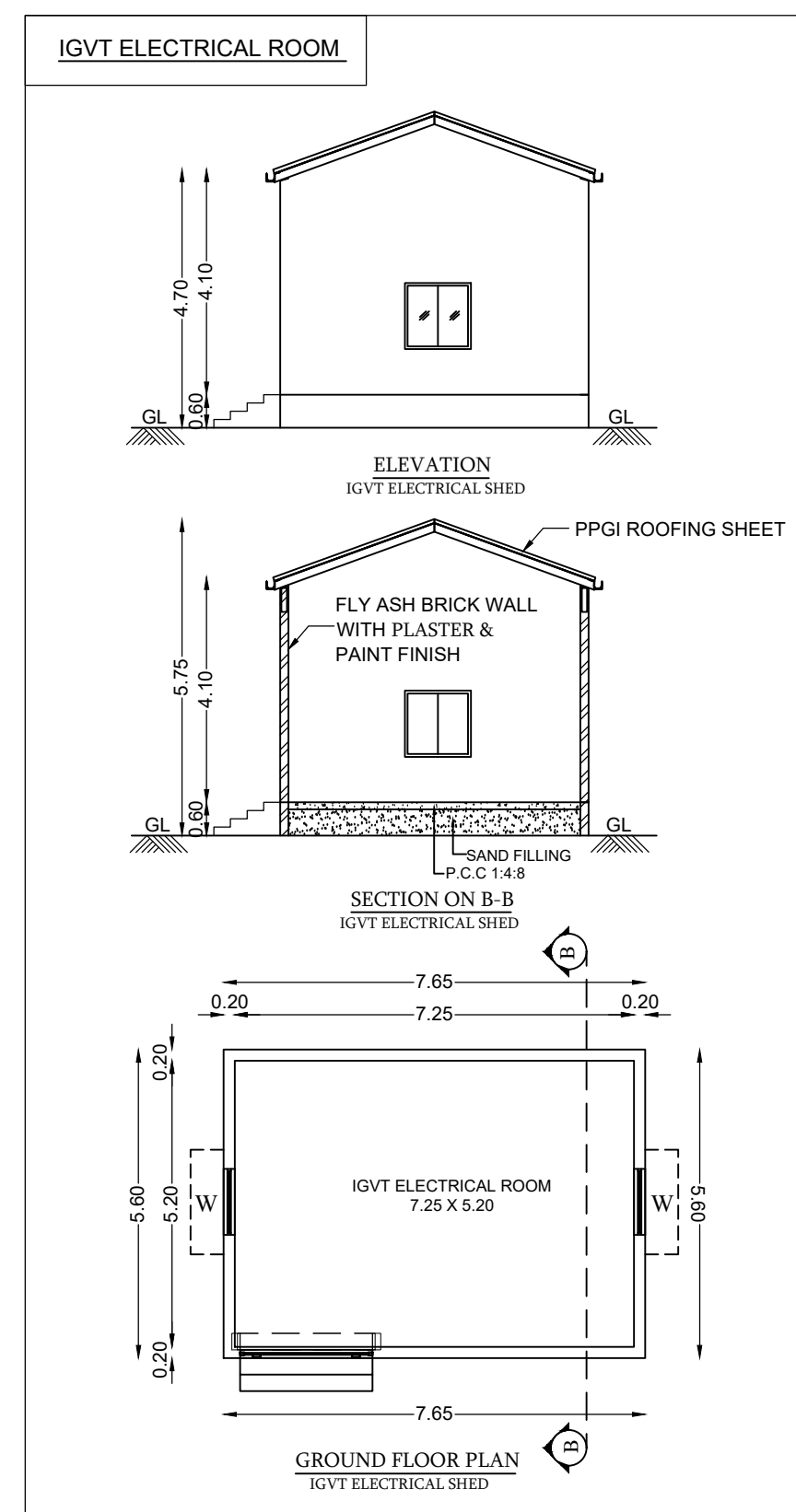
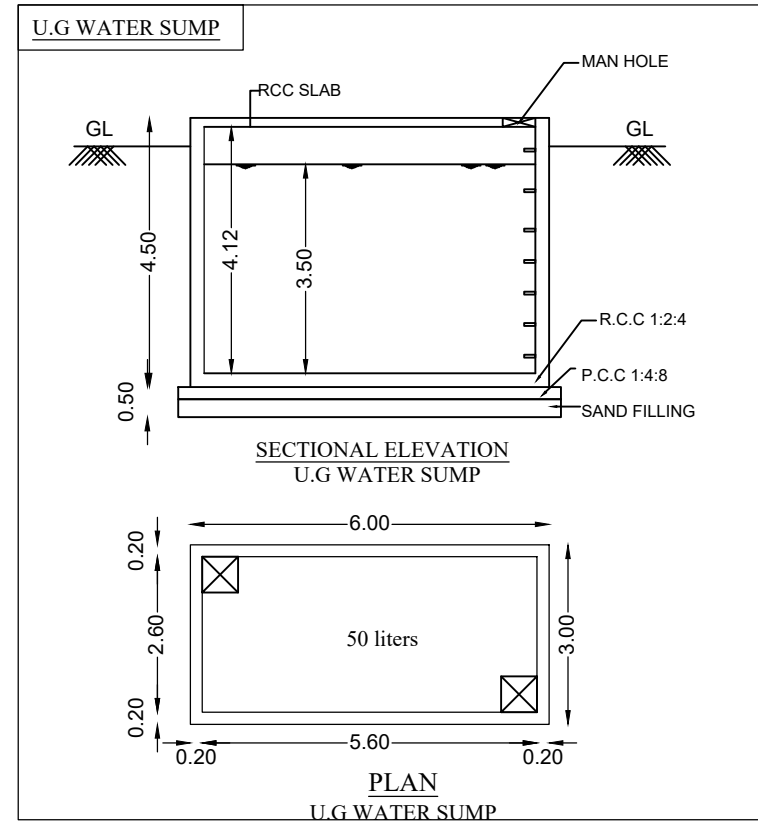
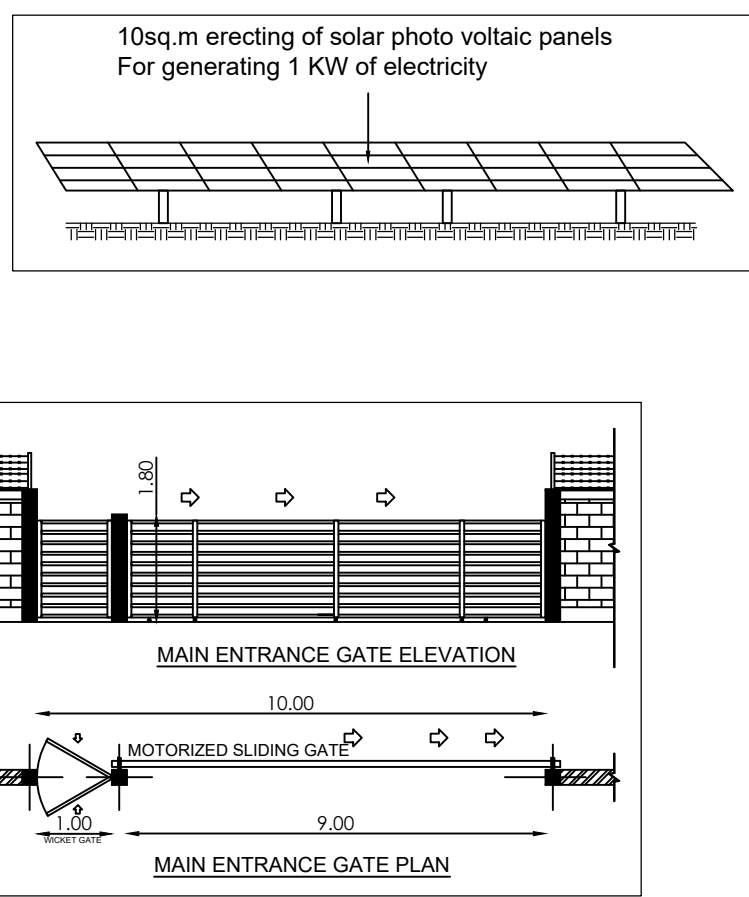
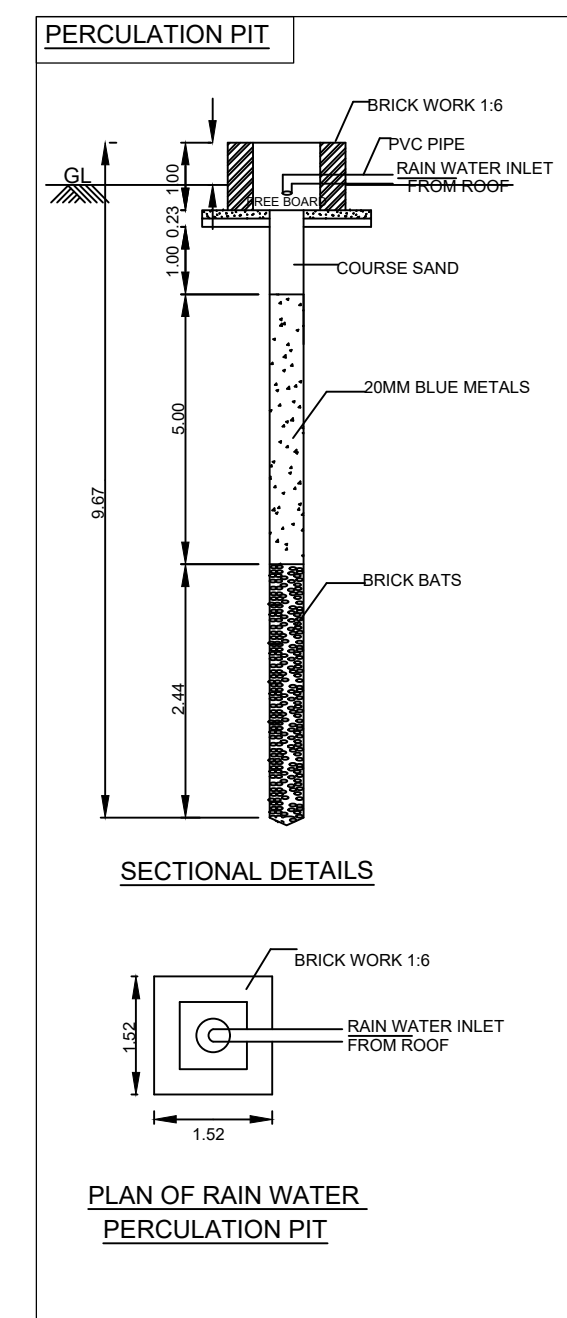
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V	VENTILATOR	0.60 X 0.75

For UNITHERM ENGINEERS LIMITED

Authorized Signatory

OWNER / OCCUPIER

REGISTERED ENGINEER G-I	STRUCTURAL ENGINEER G-I
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SITE PLAN
SCALE - 1:200