PLAN SHOWING THE PROPOSED CONSTRUCTION OF GI SHEET ROOF INDUSTRIAL (RUNNING/MANUFACTURING AND ASEMBLING OF LED LIGHT) BUILDING WITH MACHINERY INSTALLATION OF 12.00HP IN S.NO: 785/4A2A, 785/4A2B, THALAPATHISAMUTHIRAM PART-I VILLAGE, THALAPATHISAMUTHIRAM VILLAGE PANCHAYAT, NANGUNERI PANCHAYAT UNION, NANGUNERI TALUK, TIRUNELVELI DISTRICT.

CATEGORY:**GREEN**

JOINERIES		
R.S	ROLLING SHUTTER	3.05 X 2.10
D	DOOR	1.50 X 2.10
D1	DOOR	1.00 X 2.10
D2	DOOR	0.76 X 2.10
O	OPEN	1.50 X 2.10
W	WINDOW	1.52 X 1.83
W1	WINDOW	1.83 X 1.52
V1	VENTILATOR	1.52 X 0.61
RV	ROOF VENTILATOR	3.00 X 1.30

AREA DETAILS

S.NO	PATTA AREA in SQ.MT	DOCUMENT AREA in SQ.MT
785/4A2A	5550.00	5550.00
785/4A2B	5600.00	5600.00
TOTAL	11150.00	11150.00

COLOUR	AREA DETAILS	SQ.MT	SQ.FT
	SITE AREA	11150.00	120019.00
	BLOCK 1_GROUND FLOOR AREA	2093.70	22537.00
	BLOCK 2_GROUND FLOOR AREA	466.89	5026.00
	BLOCK 3_WATCHMEN ROOM- G.F	6.25	67.00
	OPEN SPACE	8583.16	92389.00
	EXISTING ROAD		

FLOOR DETAILS	F.S.I AREA	NON F.S.I AREA	TOTAL BUILTUP AREA
BLOCK 1_MACHINERY HALL GROUND FLOOR AREA	2093.70	---	2093.70
BLOCK 2_RAW MATERAL STORE GROUND FLOOR AREA	466.88	---	466.88
BLOCK 3_WATCHMEN ROOM GROUND FLOOR AREA	---	6.25	6.25
TOTAL	2560.58	6.25	2566.83

FLOOR SPACE INDEX

F.S.I = TOTAL FLOOR AREA / TOTAL SITE AREA

F.S.I = 2560.58 / 11150.00 = 0.23

0.23 < 2.0

PARKING CALCULATION

WORK SHOP AREA:-
EVERY 75 Sq.mt =1 Cycle & 1 Two wheeler for Workshop Area
EVERY 750Sq.mt =1 LORRY SPACE
Workshop AREA = 2530.76 SQ.MT
2530.76/75 = 33.74 say 34 Two wheeler & 34 Cycle Space
2530.76/750 = 3.37 sq.mt say 4 Lorry space

OFFICE AREA:-
EVERY 150 Sq.mt = 1 CAR SPACE FOR OFFICE AREA
OFFICE AREA = 29.09 SQ.MT
29.09/150 = 0.19 sq.mt say 1 Car space

REQUIRED PARKING = 34 Two wheeler, 34 cycle, 4 Lorry & 1 Car
AVAILABLE PARKING = 55 Two wheeler, 55 cycle, 6 Lorry & 2 Car

MACHINERY DETAIL

SL.NO	DESCRIPTION	QTY	HP
1	AIR COMPRESSOR	1	10.0
2	DRILLING MACHINE	1	1.0
3	ROLLER MACHINE	1	1.0
	TOTAL HP		12.0

Gents labours 10 nos
Ladies labours 10 nos
TOTAL NUMBER OF LABOURS = 20 NOS

SANITATION REQUIREMENTS

SL. NO.	SANITARY UNIT	GENTS	LADIES	TOTAL REQUIRED	AVAIABLE
1.	WATER CLOSET	1	1	2	6
2.	ABLUTION TAP	1	1	2	6
3.	URINALS	1	---	1	2
4.	WASHING TAPS-WT			1	2
5.	DRINKING WATER FOUNTAIN - DW			1	2
6.	BATH PREFERABLY SHOWERS			---	
7.	EMERGENCY SHOWER AND EYE WASH FOUNTAIN.			---	

NOTES:-
- SCALE 1 : 100 .
- ALL DIMENSIONS ARE IN METER
- EXHAUST FAN [MECHANICAL VENTILATION] TO BE PROVIDED
- STORM WATER DRAINAGE SYSTEM PROVIDED.
- RAIN WATER HARVESTING/CONSERVATION OF RAIN WATER STRUCTURES TO BE PROVIDED.
- BATH AND WASH BASIN WATER TREATED AND REUSE TO TOILET AND GARDNING PURPOSE.
- RAIN WATER RECYCLING SYSTEM TO BE PROVIDED.
- FIRE PROTECTING AND FIRE EXTINGUISHER SYSTEM PROVIDED.
- EMERGENCY ALARAM TO BE PROVIDED.
- 1/3rd AREA OF THE TOTAL TERRACE AREA TO BE RESERVED FOR ERECTING SOLAR PHOTO VOLTAIC PANELS
- LIGHTENING PROTECTION TO BE PROVIDED.
- SOLAR ASSISTED WATER HEATING SYSTEM TO BE PROVIDED.
- SOLID WASTE TUB TO BE PROVIDED.
- SULLAGE WATER USE TO GARDEN PURPOSE.
- DRINKING WATER FACILITIES AS PER PANCHAYAT NORMS PROVIDED.
- INSTALLATION OF CCTV UNITS PROVIDED.
- ACOUSTICS, SOUND INSULATION and NOISE CONTROL SYSTEM TO BE PROVIDED.

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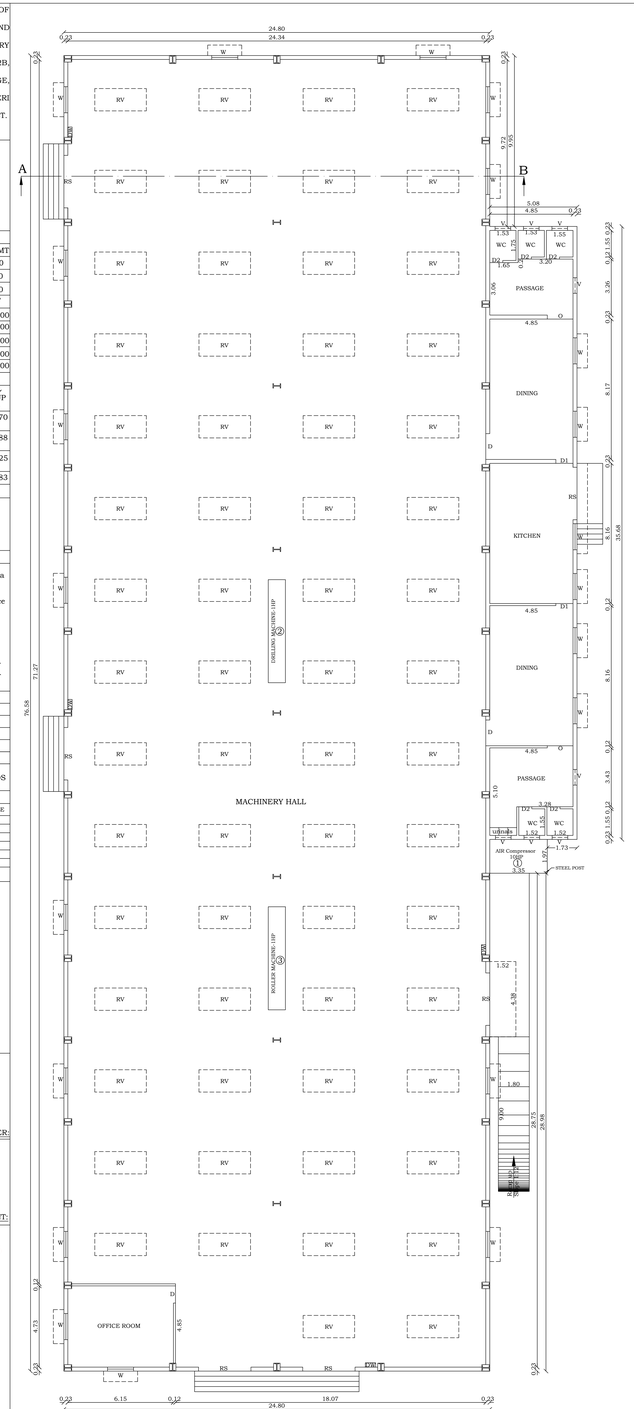
ENGINEER:

M. Sabina Snathi
APPLICANT:

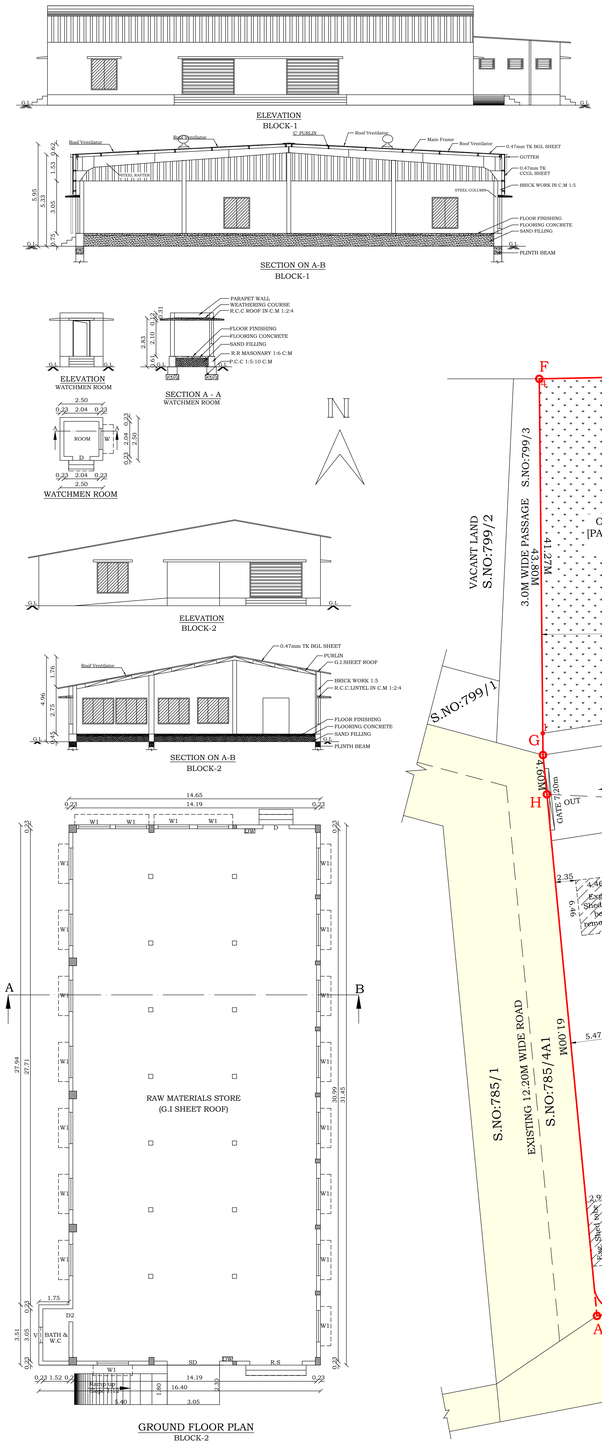
OFFICE USE:-

I.B/B.P/TVLD NO:SWP/16/2025

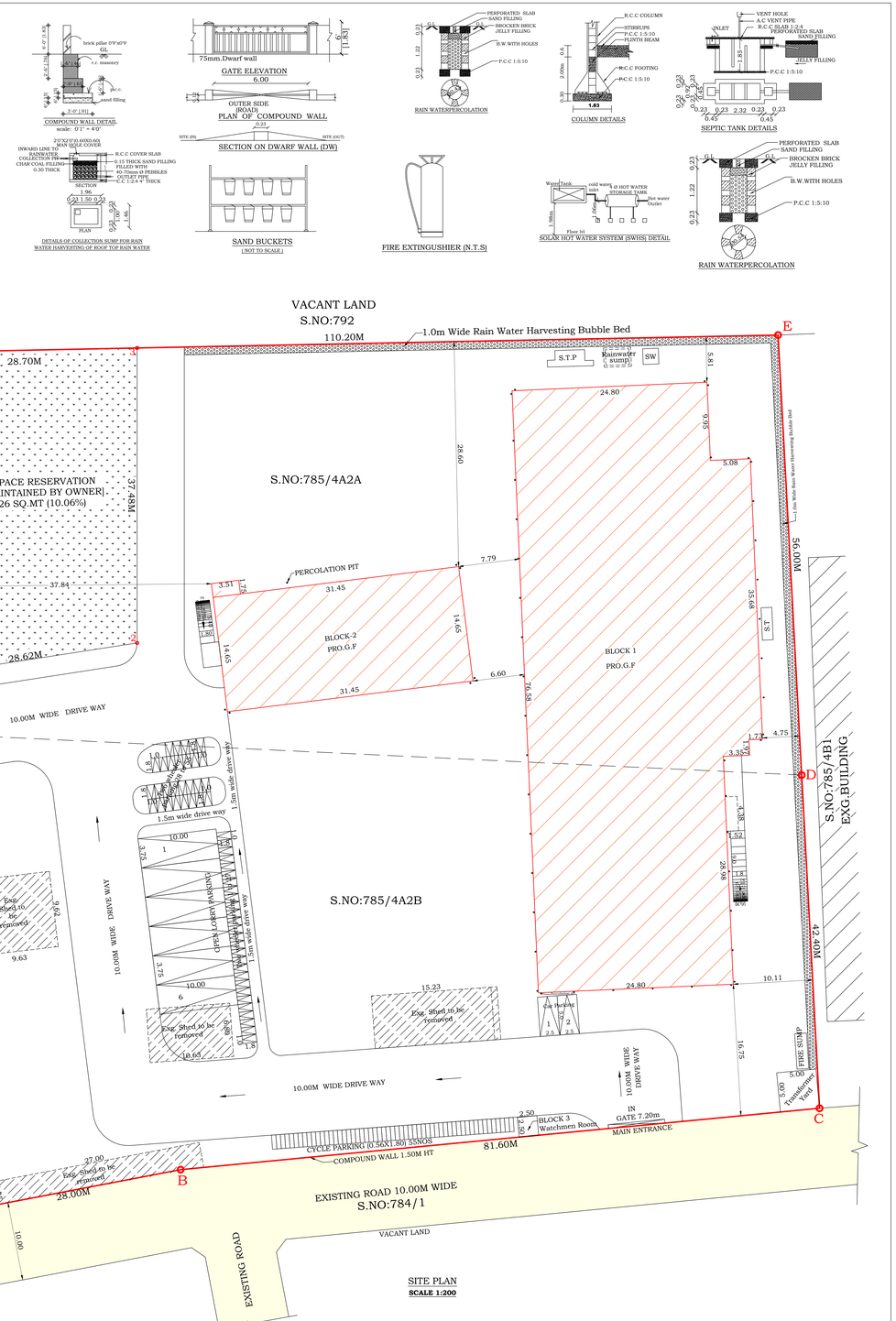
File No:SWP/BPA/0359836/2024



GROUND FLOOR PLAN
BLOCK-1



GROUND FLOOR PLAN
BLOCK-2



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Digitally signed by Prabha Ravichandran
Date: 2025.02.27 17:17:17 IST