

PLAN SHOWING THE PROPOSED
CONSTRUCTION OF INDUSTRIAL BUILDING
M/S SHRI BALAJI FASTENER TOOLS,
PLOT No: G-113/3, S.No: 5pt, 6Pt, & 48Pt,
SIPCOT INDUSTRIAL PARK,
VALLAM - VADAGAL, BUDANUR VILLAGE,
SRIPERUMPUDUR TALUK,
KANCHEEPURAM DISTRICT.
SRIPERUMPUDUR PANCHAYAT UNION,
CATEGORY - GREEN (Annexure - VI)
MFG. OF COLD FORGED AUTOMOTIVE FASTENERS

VALLAM VADAGAL SIPCOT
LAYOUT APPROVED No : 126/2020

SPECIFICATION

FOUNDATION
FOUNDATION AND BASEMENT IN RCC COLUMN AND
PLINTH BEAM OVER A BED OF RCC 1:4:8, 6"THICK
AS PER STRUCTURAL DETAILS.

SUPER STRUCTURE:-
SUPER STRUCTURE IN23 TH., 11.5TH. COUNTRY BURNT
BRICK WALLS WITH CEMENT MORTOR 1:5

RCC MEMBERS
FOOTING, COLUMNS, PLINTH BEAMS, LINTEL,
SUNSHADE, FLOOR, ROOF BEAMS, SLABS & STAIR WITH
RCC 1:1.5:3 USING 20MM NOMINAL SIZE
BROCKEN STONES.

PLASTERING
WALLS INSIDE & OUTSIDE IN CM 1:5, 12mm TH.
CEILING IN CM 1:3 9mm TH.

PAINTING
FINISHING THE WALL , CEILING WITH CEMENT PAINT
OVER & PRIMING COAT

FLOORING
FINISHING THE FLOOR WITH 20 TH GRANO FLOORING
OVER A BED OF PCC 1:4:8 6"TH. AND RIVER SAND

DOORS &WINDOWS
DOORS WITH COUNTRY WOODEN FRAMES ,
32 TH. FLUSH DOOR SHUTTERS , SS FASTENINGS ,
PAINT FINISH

WINDOWS WITH MEDIUM ANODISED ALUMINIUM
OPENABLE SHUTTERS WITH 4 mm GLASS &
STANDARD FASTENINGS

JOINERY DETAILS

RS	ROLLING SHUTTER	3.00 x 4.00
D	DOOR	1.83 X 2.14
D1	DOOR	0.90 X 2.14
D2	DOOR	0.75 X 2.14
W	WINDOW	1.82 X 1.52
V	VENTILATOR	0.90 X 0.61

COLOUR INDEX

BOUNDARY	
PROPOSED	
EXISTING ROAD	
DRIVEWAY	

SCALE 1: 100

ALL DIMENISIONS ARE IN METRES

MACHINERY DETAILS

Sl No	Name of the Machinery	Each H.P	Qty	Total HP
1	BOLT FORMER (19B4S)	53.50	01	53.50
2	BOLT FORMER (13B4S)	22.00	01	22.00
3	NUT FORMER (11B 6S)	21.00	01	21.00
4	NUT FORMER (17B 5S)	20.00	01	20.00
5	NUT FORMER (11B 6S)	16.00	01	16.00
6	NUT FORMER (14B 6S)	21.00	01	21.00
7	THREAD ROLLING M/C	8.00	02	16.00
8	4 SPINDLE TAPPING M/C (11A)	5.00	01	5.00
9	4 SPINDLE TAPPING M/C (16A)	9.00	01	9.00
10	4 SPINDLE TAPPING M/C (LS-FT)	9.00	01	9.00
11	2 SPINDLE TAPPING M/C	2.00	03	6.00
12	6" LIGHT DUTY LATHE MACHINE	2.00	01	2.00
13	4.5 LATHE	2.00	01	2.00
14	AIR COMPRESSOR	15.00	01	15.00
15	AIR COMPRESSOR	3.00	01	3.00
16	BENCH GRINDING	2.00	02	4.00
17	PRESS	5.00	01	5.00
18	TOOLS AND CUTTER GRINDER	1.00	01	1.00
19	SURFACE GRINDER	1.00	01	1.00
20	GENSET - STAND BY			
21	BOLT FORMER (19B6SL)	53.00	01	53.00
22	OVER HEAD CREANE	5.00	01	5.00
23	DIP SPIN MACHINE	22.00	01	22.00
24	THREAD ROLLING M/C	10.00	01	10.00
TOTAL				321.50

For SHRI BALAJI FASTENER TOOLS
[Signature]
Proprietor

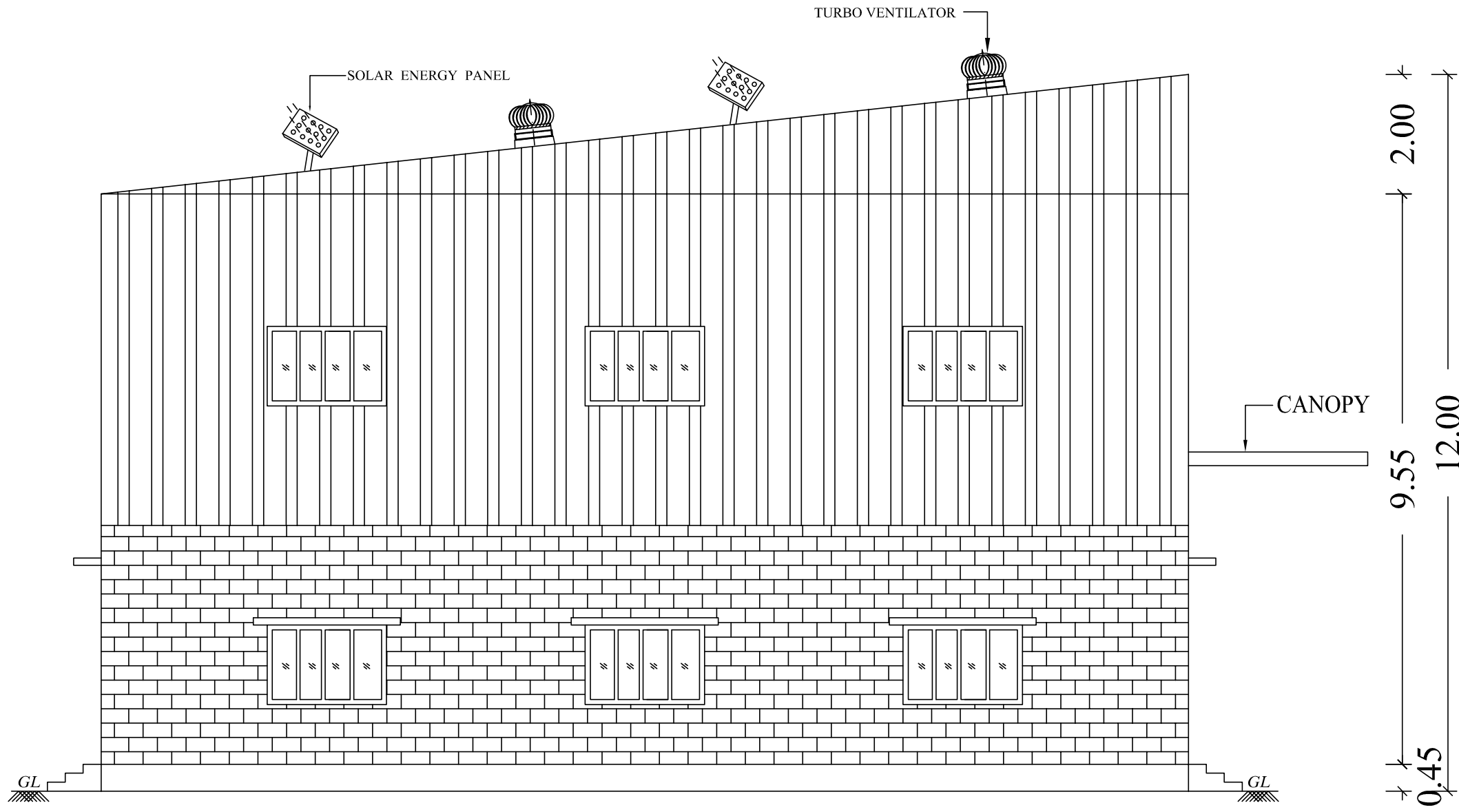
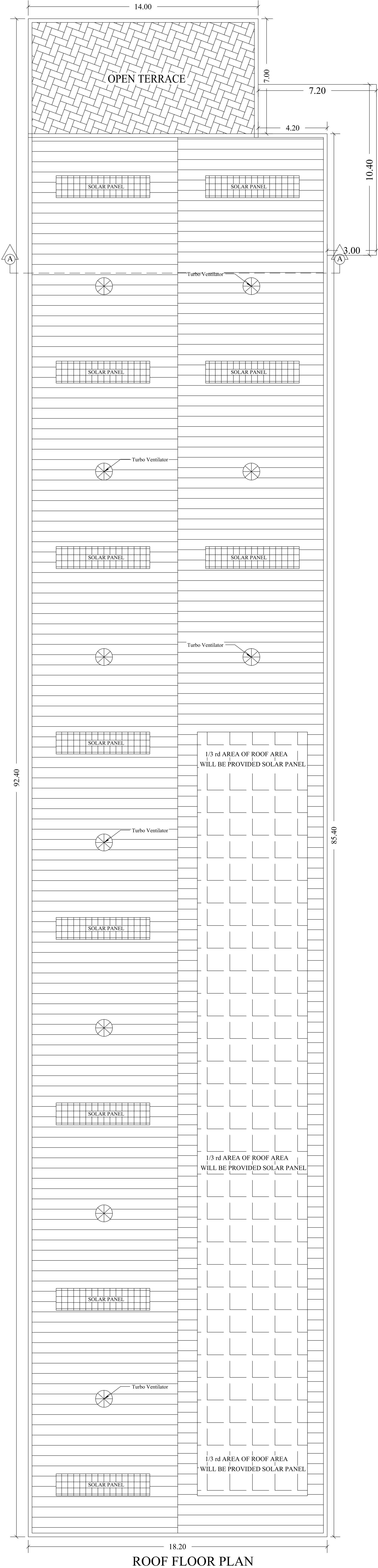
OWNERS SIGNATURE

Er. K.RATHINARAY, M.E, M.I.E, FIV,
Structural Engineer Gr-I
DTCP Reg.No : CGLRGN/SE/GR-1/2019/06/011
Registered Engineer Gr-I
DTCP Reg. No : CGLRGN/RE/Gr-1/2019/06/005
Res : No.W-391/A1 New No.14, Anna Nagar West,
Chennai-600101. Mob : 9444100510

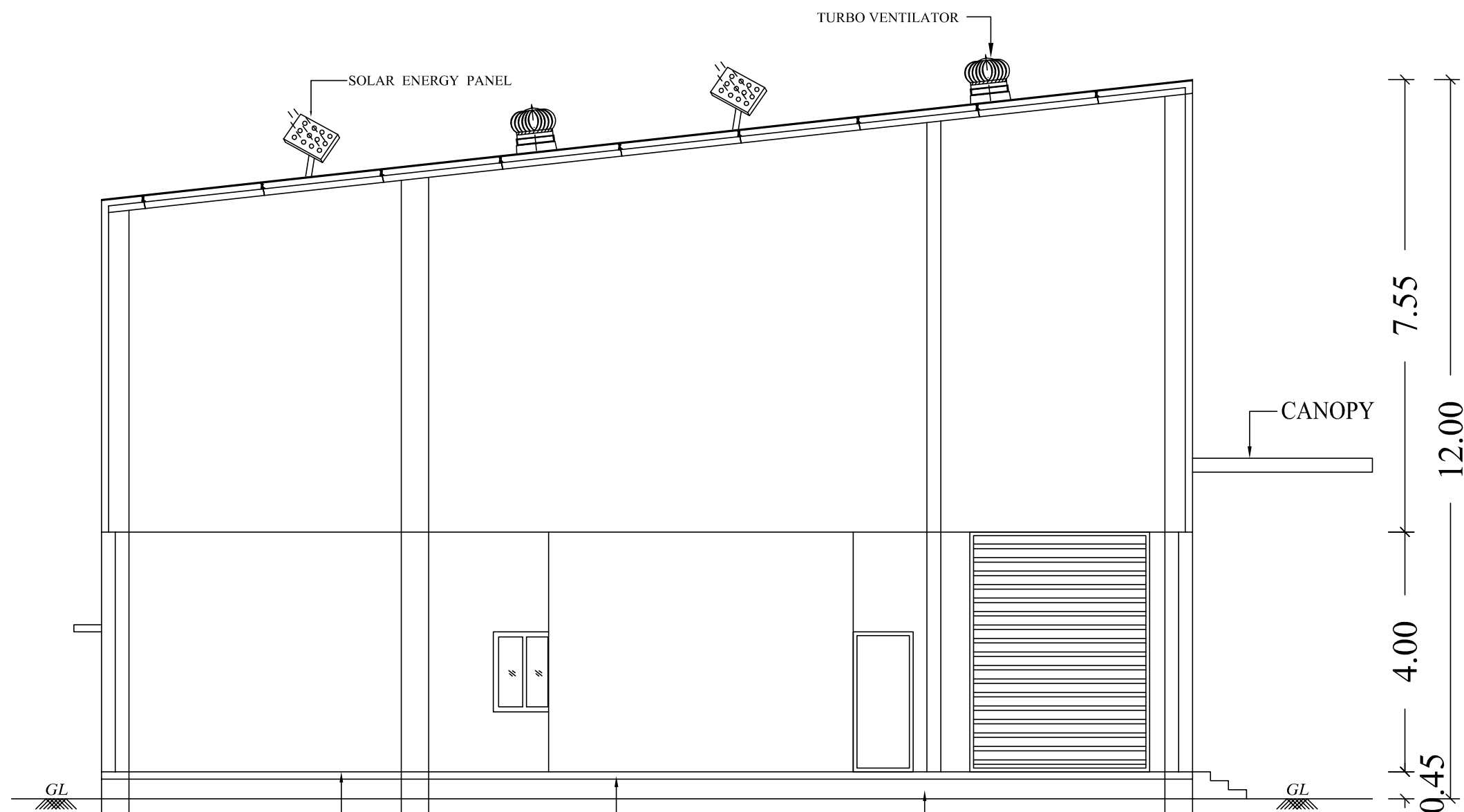
STRUCTURAL ENGINEER

[Signature]
V.P. KRISHNAPRIYAN B.Arch.,
CA 011465850
Register Architect Gr-I
DTCP Reg. No.CGLRGN/RA/GR-42019/06/006
CMA RA/G-419/04/10
222, Arthanai Mahalinga Towers, Jawaharal Nehru Road,
Koyambedu, Chennai - 107. Mobile : 9566233842

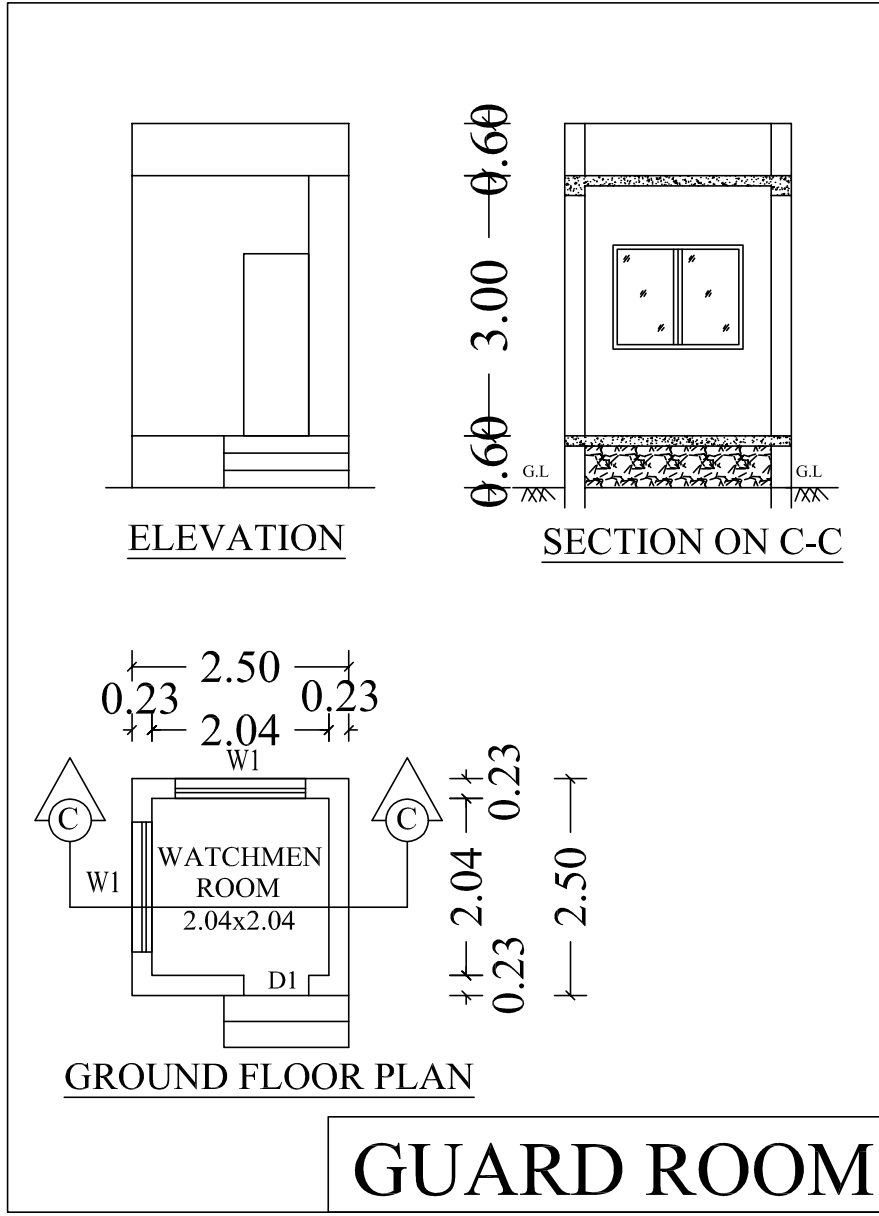
ARCHITECT/ENGINEER



SOUTH SIDE ELEVATION



SECTION A-A



ROOF FLOOR PLAN

PLAN SHOWING THE PROPOSED
CONSTRUCTION OF INDUSTRIAL BUILDING
M/S SHRI BALAJI FASTENER TOOLS,
PLOT No: G-113/3, S.No: 5pt, 6Pt, & 48Pt,
SIPCOT INDUSTRIAL PARK,
VALLAM - VADAGAL, BUDANUR VILLAGE,
SRIPERUMPUDUR TALUK,
KANCHEEPURAM DISTRICT.
SRIPERUMPUDUR PANCHAYAT UNION,
CATEGORY - GREEN (Annexure - VI)
MFG. OF COLD FORGED AUTOMOTIVE FASTENERS

VALLAM VADAGAL SIPCOT
LAYOUT APPROVED No : 126/2020

SPECIFICATION

FOUNDATION
FOUNDATION AND BASEMENT IN RCC COLUMN AND
PLINTH BEAM OVER A BED OF RCC 1:4:8, 6"THICK
AS PER STRUCTURAL DETAILS.

SUPER STRUCTURE:-
SUPER STRUCTURE IN23 TH, 11.5TH. COUNTRY BURNT
BRICK WALLS WITH CEMENT MORTOR 1:5

RCC MEMBERS
FOOTING , COLUMNS, PLINTH BEAMS ,INTEL,
SUNSHADE, FLOOR, ROOF BEAMS, SLABS & STAIR WITH
RCC 1:1.5:3 USING 20MM NOMINAL SIZE
BROCKEN STONES.

PLASTERING
WALLS INSIDE & OUTSIDE IN CM 1:5, 12mm TH.
CEILING IN CM 1:3 9mm TH.

PAINTING
FINISHING THE WALL , CEILING WITH CEMENT PAINT
OVER & PRIMING COAT

FLOORING
FINISHING THE FLOOR WITH 20 TH GRANO FLOORING
OVER A BED OF PCC 1:4:8 6"TH. AND RIVER SAND

DOORS &WINDOWS
DOORS WITH COUNTRY WOODEN FRAMES ,
32 TH. FLUSH DOOR SHUTTERS , SS FASTENINGS ,
PAINT FINISH

WINDOWS WITH MEDIUM ANODISED ALUMINIUM
OPENABLE SHUTTERS WITH 4 mm GLASS &
STANDARD FASTENINGS

JOINERY DETAILS

RS	ROLLING SHUTTER	3.00 x 4.00
D	DOOR	1.83 X 2.14
D1	DOOR	0.90 X 2.14
D2	DOOR	0.75 X 2.14
W	WINDOW	1.82 X 1.52
V	VENTILATOR	0.90 X 0.61

COLOUR INDEX

BOUNDARY	
PROPOSED	
EXISTING ROAD	
DRIVEWAY	

SCALE 1: 100 ALL DIMENISIONS ARE IN METRES

MACHINERY DETAILS

Sl No	Name of the Machinery	Each H.P	Qty	Total HP
1	BOLT FORMER (19B4S)	53.50	01	53.50
2	BOLT FORMER (13B4S)	22.00	01	22.00
3	NUT FORMER (11B 6S)	21.00	01	21.00
4	NUT FORMER (17B 5S)	20.00	01	20.00
5	NUT FORMER (11B 6S)	16.00	01	16.00
6	NUT FORMER (14B 6S)	21.00	01	21.00
7	THREAD ROLLING M/C	8.00	02	16.00
8	4 SPINDLE TAPPING M/C (11A)	5.00	01	5.00
9	4 SPINDLE TAPPING M/C (16A)	9.00	01	9.00
10	4 SPINDLE TAPPING M/C (LS-FT)	9.00	01	9.00
11	2 SPINDLE TAPPING M/C	2.00	03	6.00
12	6" LIGHT DUTY LATHE MACHINE	2.00	01	2.00
13	4.5 LATHE	2.00	01	2.00
14	AIR COMPRESSOR	15.00	01	15.00
15	AIR COMPRESSOR	3.00	01	3.00
16	BENCH GRINDING	2.00	02	4.00
17	PRESS	5.00	01	5.00
18	TOOLS AND CUTTER GRINDER	1.00	01	1.00
19	SURFACE GRINDER	1.00	01	1.00
20	GENSET - STAND BY			
21	BOLT FORMER (19B6SL)	53.00	01	53.00
22	OVER HEAD CREANE	5.00	01	5.00
23	DIP SPIN MACHINE	22.00	01	22.00
24	THREAD ROLLING M/C	10.00	01	10.00
TOTAL				321.50

For SHRI BALAJI FASTENER TOOLS
[Signature]
Proprietor

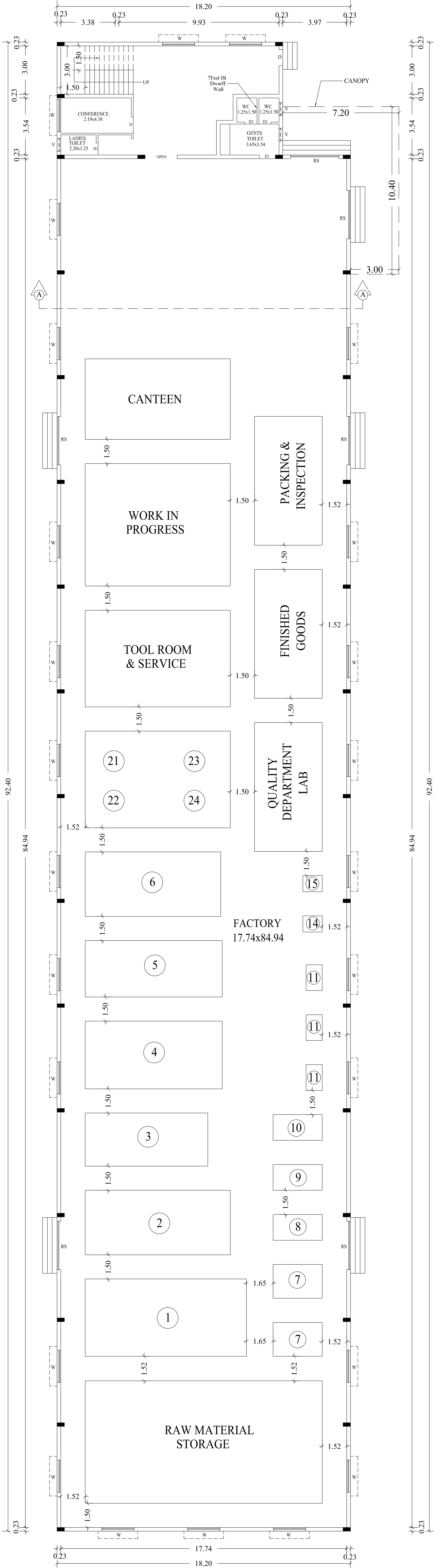
OWNERS SIGNATURE

Er. K.RATHINARAYAN, M.E, M.I.E, F.I.V.,
Structural Engineer Gr-I
DTCP Reg.No : CGLRGN/SE/Gr-I/2019/06/011
Registered Engineer Gr-I
DTCP Reg. No : CGLRGN/RE/Gr-I/2019/06/005
Res : No.W-391/A1 New No.14, Anna Nagar West,
Chennai-600101. Mob : 9444100510

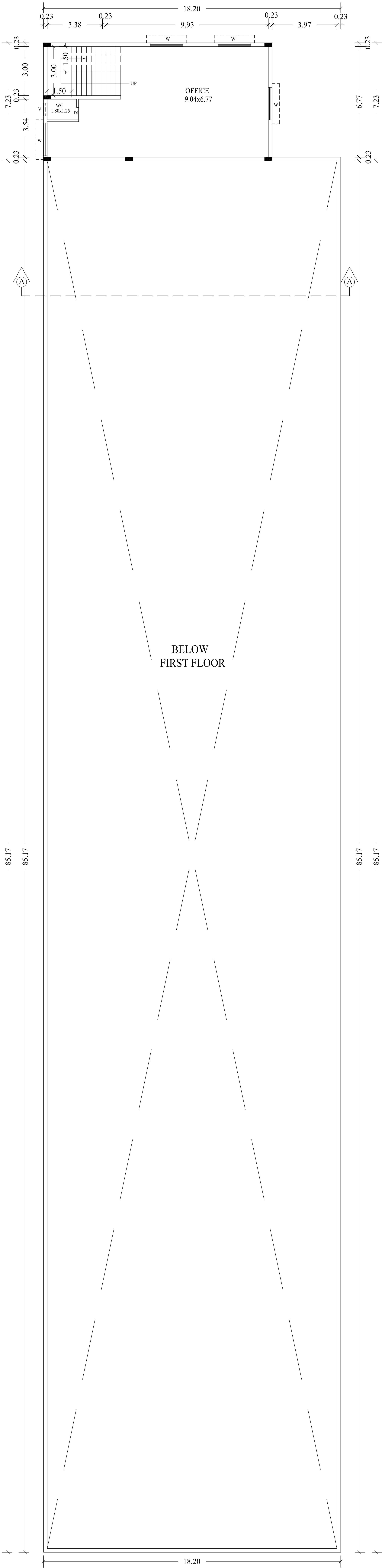
STRUCTURAL ENGINEER

[Signature]
V.P. KRISHNAPRIYAN B.Arch.,
CA20140550
Register Architect Gr-I
DTCP Reg. No.CGLRGN/RA/GR-I/2019/06/008
CMDA RA/Gr-I/19/04/140
222, Ashraf Maseed Towers, Jawaharal Nehru Road,
Koyambedu, Chennai - 107. Mobile : 956623942

ARCHITECT/ENGINEER



GROUND FLOOR PLAN



FIRST FLOOR PLAN

VALLAM VADAGAL SIPCOT
LAYOUT APPROVED No : 126/2020

FOUNDATION
FOUNDATION AND BASEMENT IN RCC COLUMN AND PLINTH BEAM OVER A BED OF RCC 1:4:8, 6"THICK AS PER STRUCTURAL DETAILS.

SUPER STRUCTURE:-
SUPER STRUCTURE IN 23 TH., 11.5TH. COUNTRY BURNT BRICK WALLS WITH CEMENT MORTAR 1:5

RCC MEMBERS
FOOTING , COLUMNS, PLINTH BEAMS ,LINTEL, SUNSHADE, FLOOR, ROOF BEAMS, SLABS & STAIR WITH RCC 1:1.5:3 USING 20MM NOMINAL SIZE BROCKEN STONES.

			Sq.m	
TOTAL PLOT AREA AS PER DOCUMENT			2429.20	
SUPERIMPOSED AREA			2425.66	
SL.NO	BUILDING NAME	FST IN Sq m	NON FST IN Sq m	TOTAL AREA IN Sq m
1.	FACTORY BLOCK- 1			
	GROUND FLOOR	1696.08	-	1696.08
	FIRST FLOOR	101.22	-	101.22
2.	GUARD ROOM			
	GROUND FLOOR		6.25	6.25
	TOTAL	1797.30	6.25	1803.55

DESCRIPTION	CALCULATION	REQUIRED	PROPOSED
PLOT COVERAGE	$\frac{1696.08}{4245.66} \times 100$	75%	39.94%
FLOOR SPACE INDEX	$\frac{1797.30}{4245.66}$	1.5	0.42

SLOT	REQUIRED	PROVIDED
LORRY	04	04
CAR	02	04
TWO WHEELER	36	44
CYCLE	36	36

	COLOUR INDEX	
	<i>BOUNDARY</i>	
	<i>PROPOSED</i>	
	<i>EXISTING ROAD</i>	
	<i>DRIVEWAY</i>	

MALE	28 Nos
FEMALE	12 Nos
NUMBER OF WORKERS	40 Nos



STRUCTURAL ENGINEER

ARCHITECT/ENGINEER



Signature Not
Verified