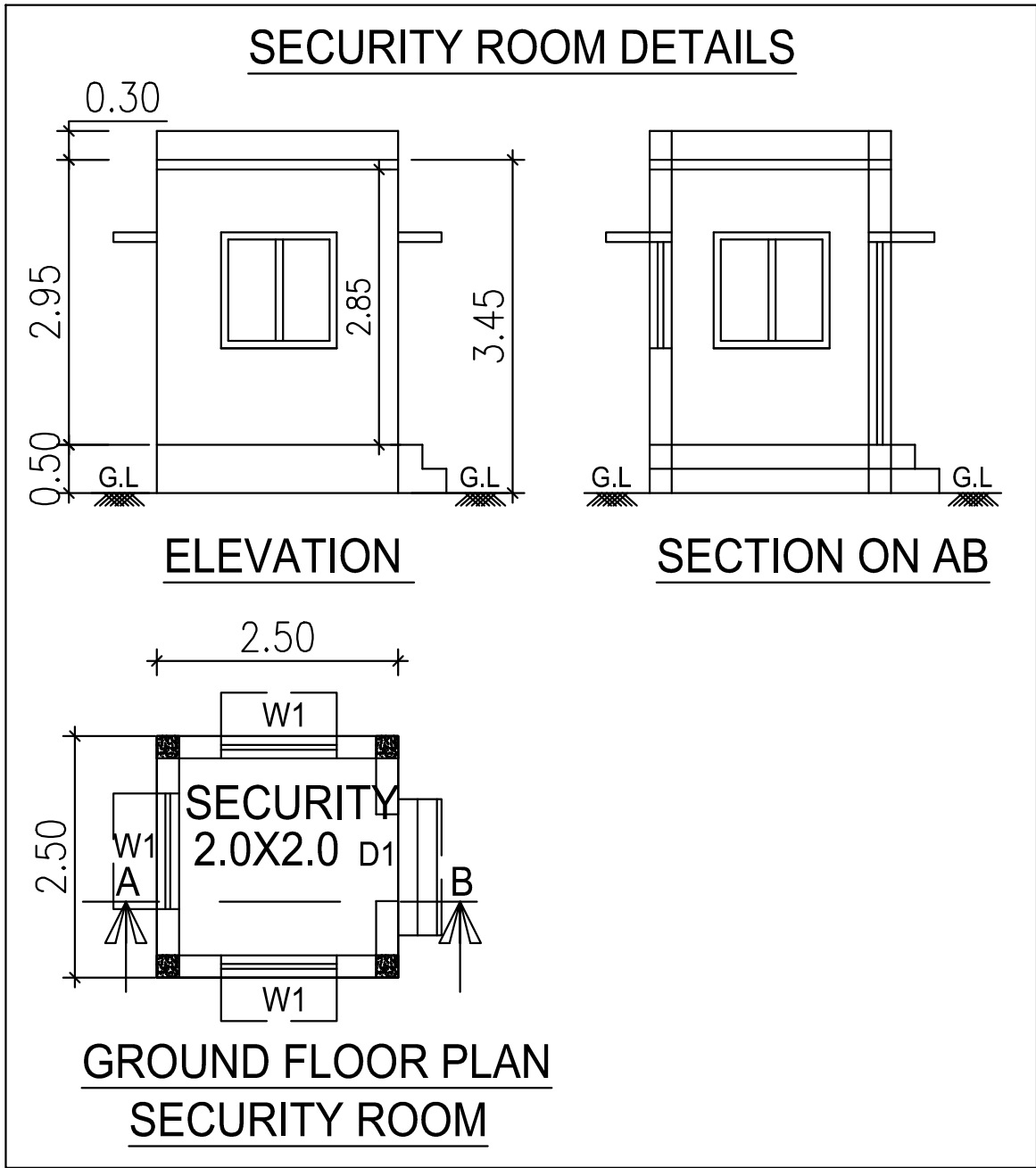


REF.	NAME OF MACHINERY	QTY	H.P.
1.	CNC-1	1	20
2.	CNC-2	1	10
3.	CNC-3	1	15
4.	CNC-4	1	15
TOTAL H.P.			60

TOTAL FACTORY WORKER'S DETAILS				
NO OF WORKERS - MALE		: 10 Nos		
NO OF WORKERS - FEMALE		: 05 Nos		
SANITATION REQUIREMENTS				
DESCRIPTION	REQUIRED		PROVIDED	
	MALE	FEMALE	MALE	FEMALE
WC	1	1	1	1
URINAL	1	--	2	--
WASH BASIN	1	1	1	1
DRINKER WATER FOUNTAINS	1	1	1	1
EMERGENCY FOUNTAINS	1	1	1	1



SHEET NO : 2/2

PLAN SHOWING THE PROPOSED CONSTRUCTION OF FACTORY BUILDING FOR M/S ARUN INDUSTRIAL SERVICES - 60.0 HP IN S.NOS : 347 / 8A2 , 18A1B OF V.NO:99, PAPPARAMBAKKAM VILLAGE AND PANCHAYAT, KADAMBATHUR PANCHAYAT UNION, THIRUVALLUR TALUK & DISTRICT.

MANUFACTURING DETAILS

CATAGORY OF INDUSTRY : GREEN

MANUFACTURING TYPE : SHEET METAL PARTS

SCHEDULE OF JOINERY			
RS	ROLLING SHUTTER	4.50 X 3.00	
D1	DOOR	0.76 X 2.13	
W	WINDOW	4.50 X 1.82	
V	VENTILATOR	4.50 X 1.82	
V1	VENTILATOR	0.91 X 0.60	

DESCRIPTION	F.S.I AREA (SQM)	NON F.S.I AREA (SQM)	TOTAL (SQM)
FACTORY BUILDING			
GROUND FLOOR AREA	498.00	---	498.00
SECURITY ROOM (NON FSI)	-----	6.25	6.25
TOTAL BUILTUP AREA	498.00	6.25	504.25

SPECIFICATION:

SUPER STRUCTURE : 9"TK B.W IN C.M 1:5

FOUNDATION : RCC COLUMN FOUNDATION

SLAB : RCC 1:2:4 4.5"TK

BEAM LINTEL SUNSHADE : RCC 1:2:4

WEATHERING COURSE/VE WITH PRESSED TILES

ELECTRIFICATION WORK CONCEALED WIRING

WWT - WASTE WATER TANK

OHT - OVER HEAD TANK

RWH - RAIN WATER HARVESTING

SWHS - SOLAR WATER HEATING SYSTEM

FE - FIRE EXTINGUISHER

EA - EMERGENCY ALARM

SB - SAND BUCKET

SCALE : 1"=8'	COLOR INDEX
[1:100]	SITE BOUNDARY
N	EXISTING ROAD
	PROPOSED BUILDING

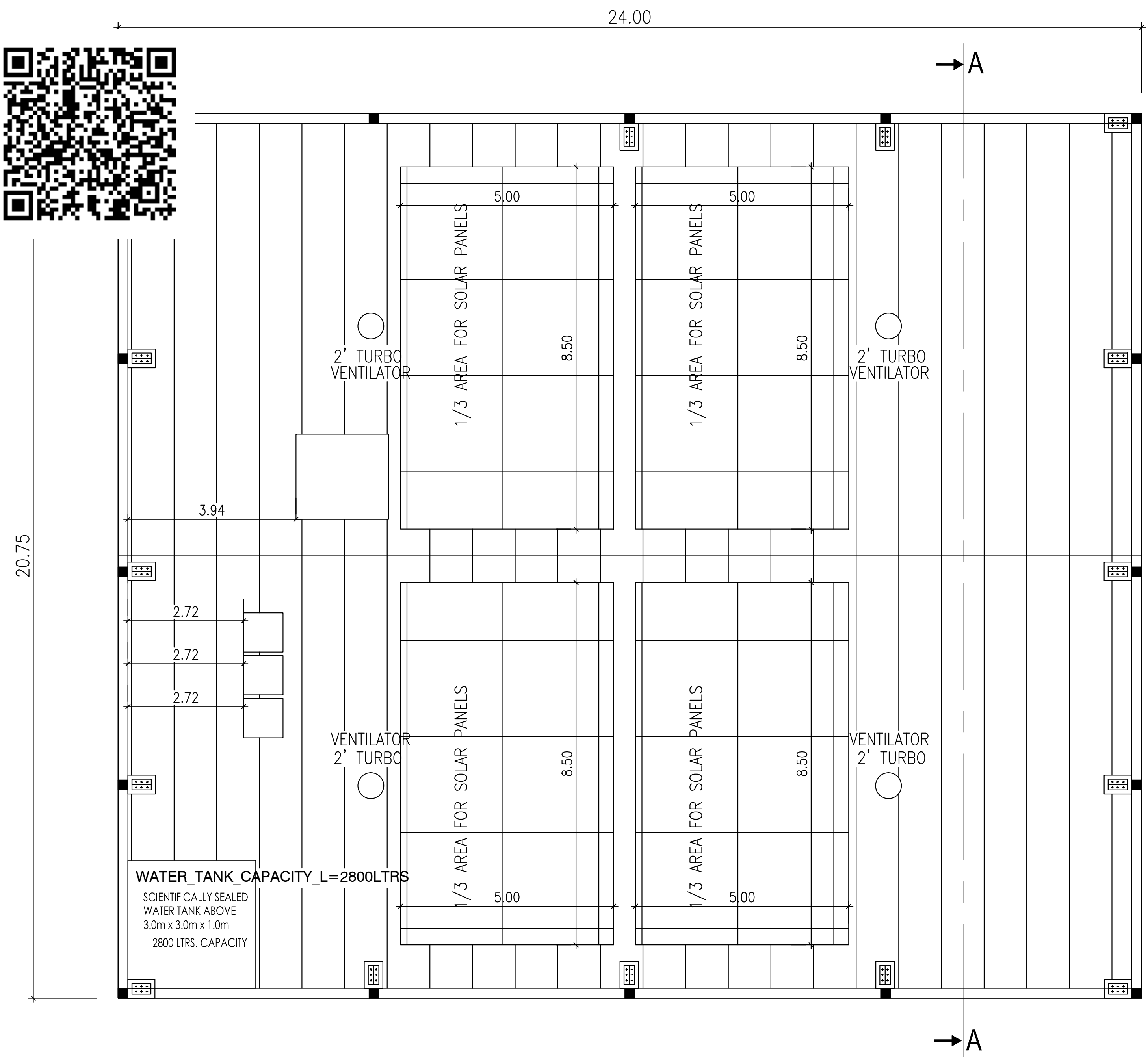
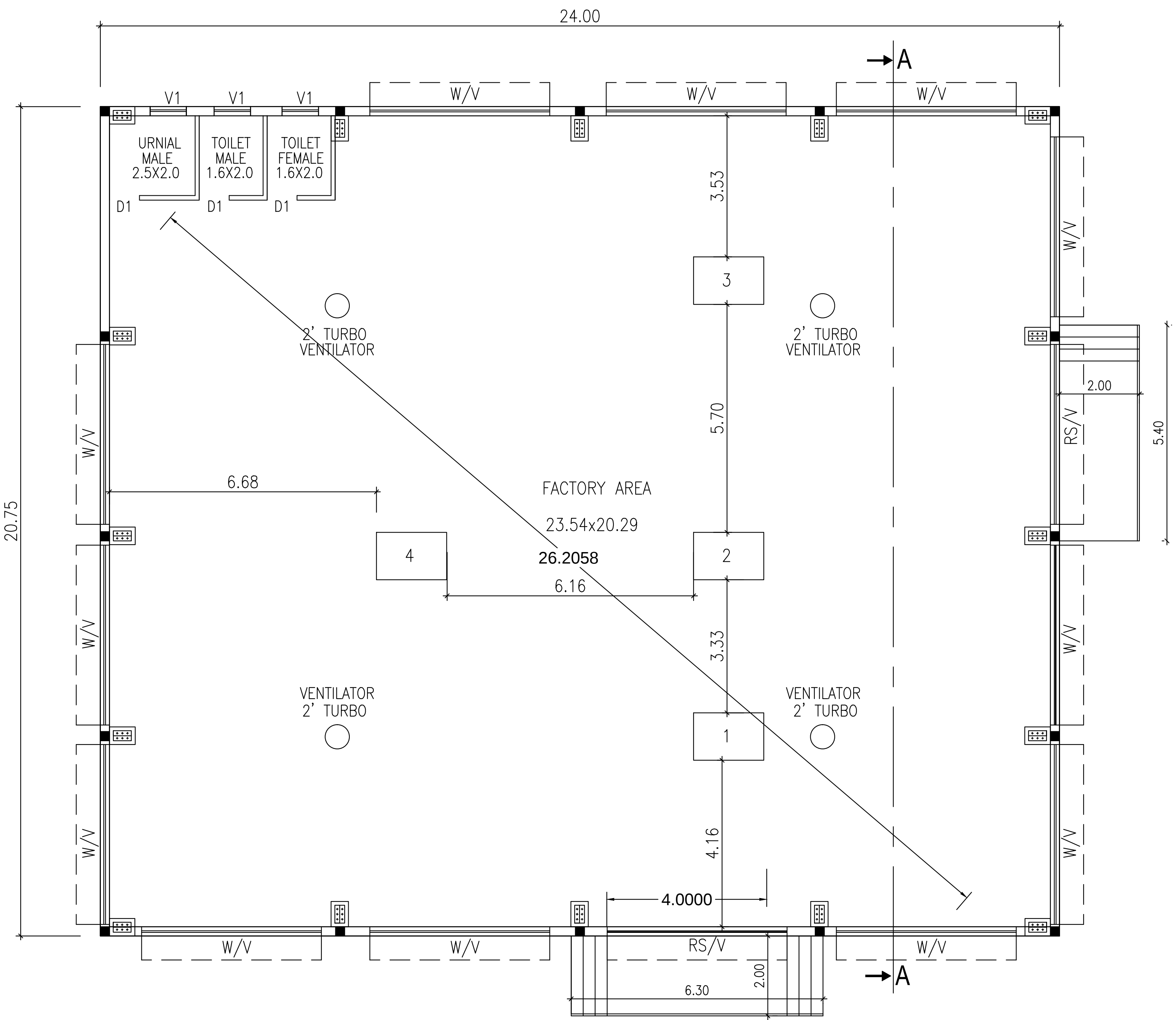
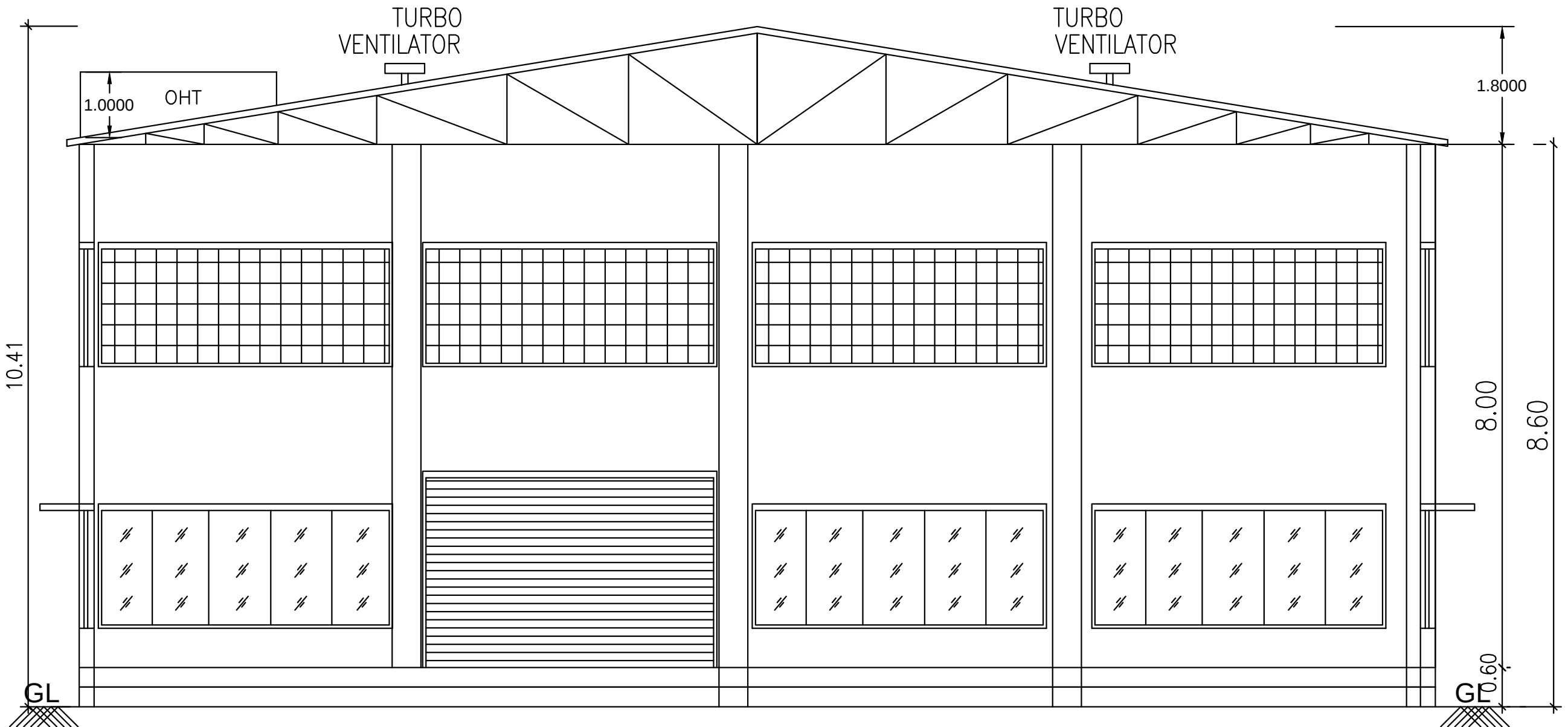
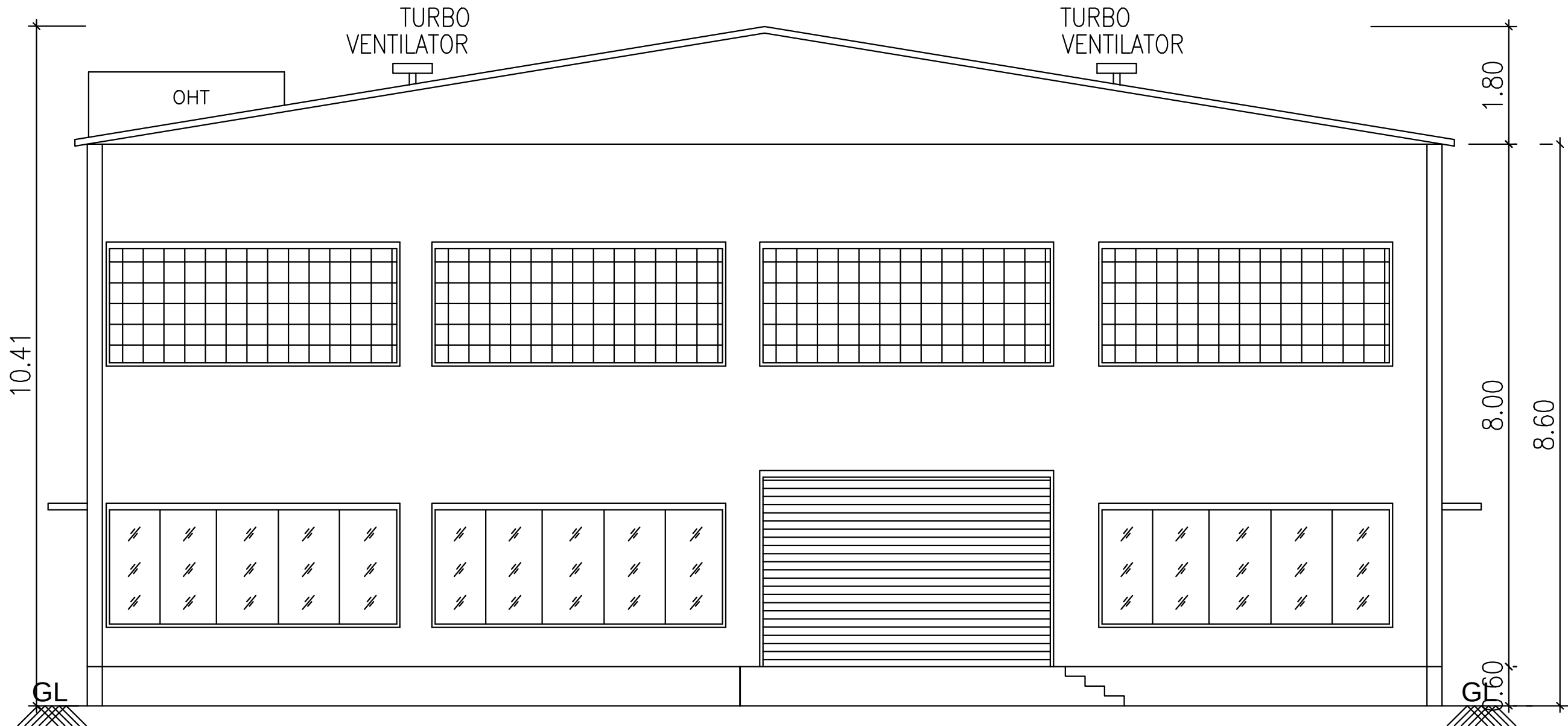
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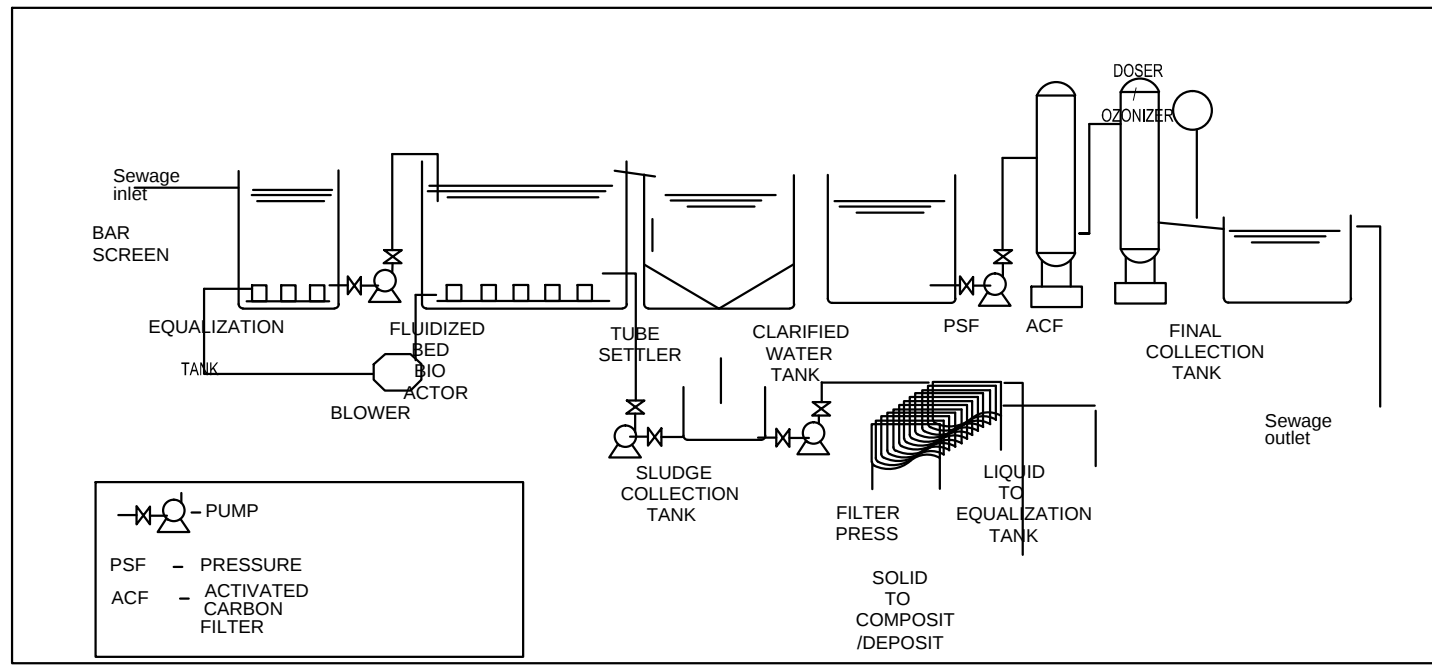
P. Mariappan, S.E., MIE.,
Consulting Civil & Structural Engineer,
Registered Structural Engineer
No. : 28745655, Cap : 9841295756

STRUCTURAL ENGINEER

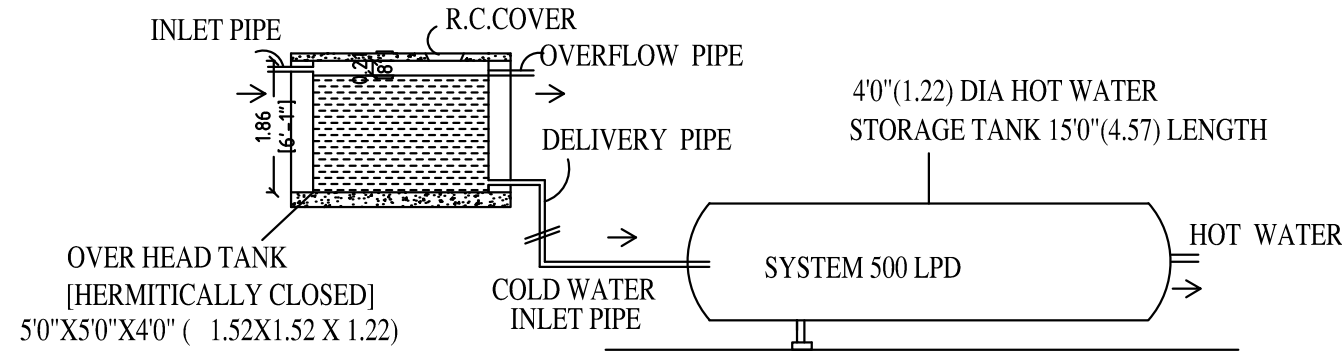
Unishesh T. Aruldas
Reg No: TVLR/RA/GK/1286/05/001
10/1, 2nd Street, Kasthurba Nagar,
Avadi, Chennai-600 054.
dh.nesh.architect@gmail.com
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ARCHITECT / ENGINEER

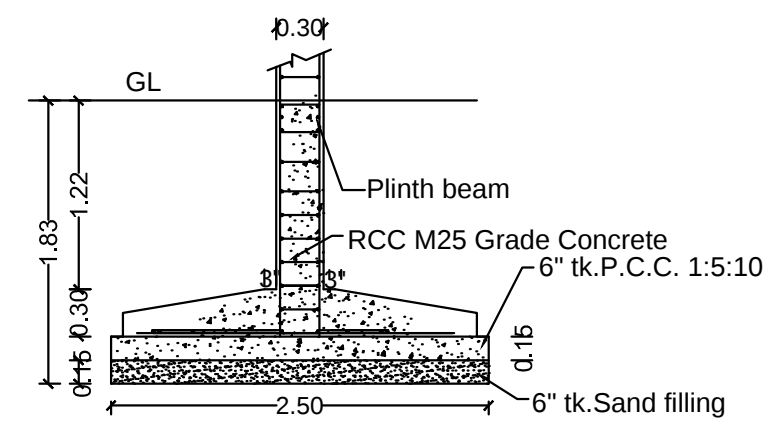




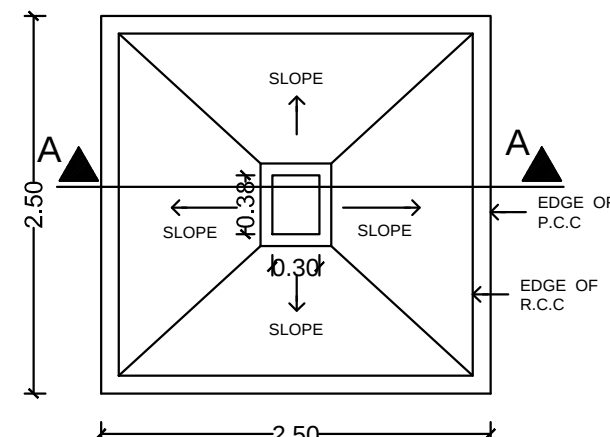
SEWERAGE TREATMENT
PLANT(STP)



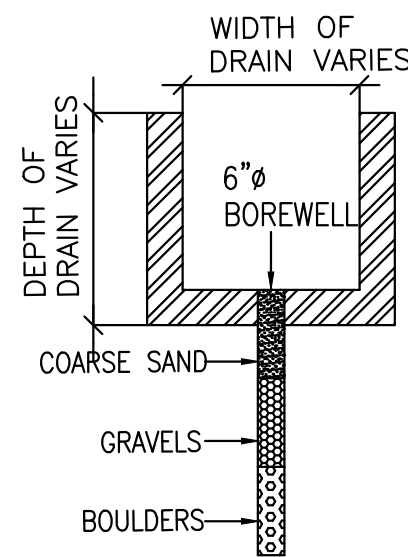
SECTION OF SOLAR
WATER HEATER



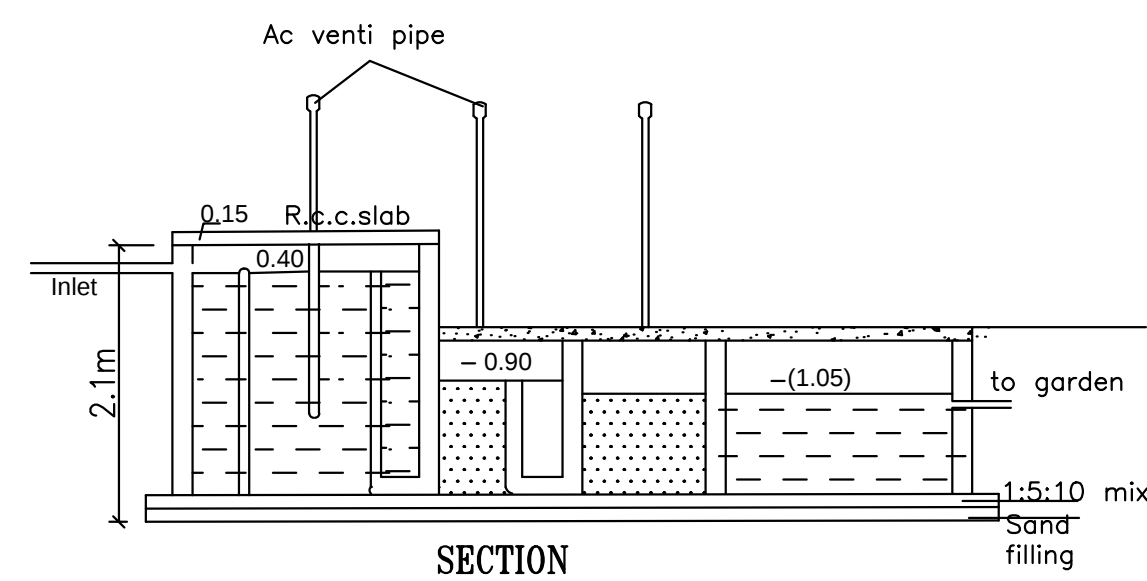
SECTION - 'AA'
As per design



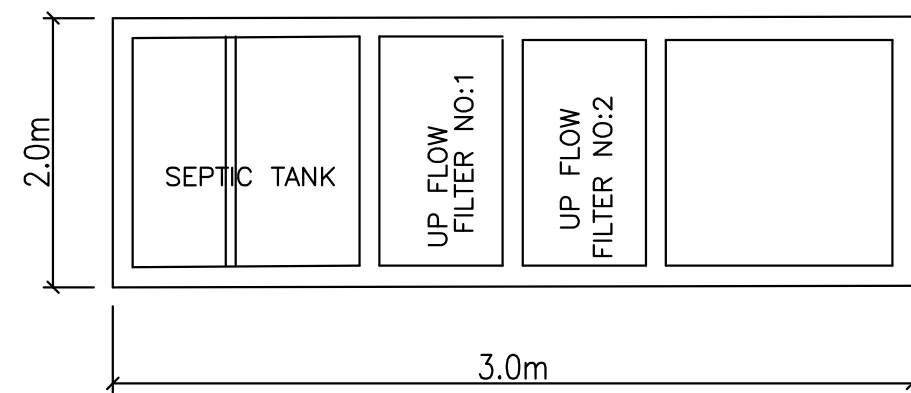
PLAN
As per design
Typical Column Foundation Detail
As per design



BOREWELL DETAIL
(SCALE= 1:50)



SECTION



PLAN
DETAILS OF SEPTIC TANK
SCALE 1:50

REF.	NAME OF MACHINERY	QTY	H.P.
1.	CNC-1	1	20
2.	CNC-2	1	10
3.	CNC-3	1	15
4.	CNC-4	1	15
TOTAL H.P.			60

TOTAL FACTORY WORKER'S DETAILS				
NO OF WORKERS - MALE		: 10 Nos		
NO OF WORKERS - FEMALE		: 05 Nos		
SANITATION REQUIREMENTS				
DESCRIPTION	REQUIRED		PROVIDED	
	MALE	FEMALE	MALE	FEMALE
WC	1	1	1	1
URINAL	1	--	2	--
WASH BASIN	1	1	1	1
DRINKER WATER FOUNTAINS	1	1	1	1
EMERGENCY FOUNTAINS	1	1	1	1

SHEET NO : 1/2

PLAN SHOWING THE PROPOSED CONSTRUCTION OF
FACTORY BUILDING FOR M/S ARUN INDUSTRIAL
SERVICES - 60.0 HP IN S.NOS : 347 / 8A2 , 18A1B OF
V.NO:99, PAPPARAMBAKKAM VILLAGE AND PANCHAYAT,
KADAMBATHUR PANCHAYAT UNION, THIRUVALLUR
TALUK & DISTRICT.

MANUFACTURING DETAILS
CATAGORY OF INDUSTRY : GREEN
MANUFACTURING TYPE : SHEET METAL PARTS

DESCRIPTION	F.S.I AREA (SQM)	NON F.S.I AREA (SQM)	TOTAL (SQM)
TOTAL SITE AREA (AS PER PATTA)	1026.00		
TOTAL SITE AREA (AS PER SITE)	1026.00		
TOTAL SITE AREA (SUPER IMPOSED AREA)	1026.00		
FACTORY BUILDING			
GROUND FLOOR AREA	498.00	---	498.00
SECURITY ROOM (NON FSI)	-----	6.25	6.25
TOTAL BUILTUP AREA	498.00	6.25	504.25

REFERENCE		
DESCRIPTION	CALCULATION	PROPOSED
PLOT COVERAGE	$\frac{498.00}{1026.00} \times 100$	48.53%
FLOOR AREA RATIO	$\frac{498.00}{1026.00}$	0.485

DESCRIPTION	REQUIRED	PROPOSED
PARKING AREA	LORRYS : 1 no TWO WHEELERS : 10 nos CYCLE : 10 nos	1 no 10 nos 10 nos

SOLAR HOT WATER SYSTEM DETAIL

NO OF WORKERS - MALE	: 10 Nos
NO OF WORKERS - FEMALE	: 05 Nos
TOTAL NO OF WORKERS (10+5 = 15)	: 15 Nos
WATER CONSUMPTION @ 80 Lit./Person/day	
TOTAL CONSUMPTION (15 X 80)	: 1200 Lits
NO OF SWHS (2000 lit capacity)	: 1 No

TURBO VENTILATOR SIZE : 2' DIA.
TURBO VENTILATOR WORKED BY ELECTRICAL .

SPECIFICATION:

SUPER STRUCTURE : 9"TK B/W IN C.M 1:5	WWT - WASTE WATER TANK
FOUNDATION : RCC COLUMN FOUNDATION	OHT - OVER HEAD TANK
SLAB : RCC 1:2:4 4.5"TK	RWH - RAIN WATER HARVESTING
BEAM LINTEL SUNSHADE : RCC 1:2:4	SWHS - SOLAR WATER
WEATHERING COURSE/VE WITH PRESSED TILES	HEATING SYSTEM
ELECTRIFICATION WORK CONCEALED WIRING	FE - FIRE EXTINGUISHER
	EA - EMERGENCY ALARM
	SB - SAND BUCKET

SCALE : 1"=16'	COLOR INDEX
[1:200]	SITE BOUNDARY
N	EXISTING ROAD
	PROPOSED BUILDING

SIGNATURE OF THE APPLICANT

P. Mariappan
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Consulting Civil & Structural Engineer,
Registered Structural
Engineer Grade-III, Reg. No. 18451/2018 / 07 / RLS
DTCE
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