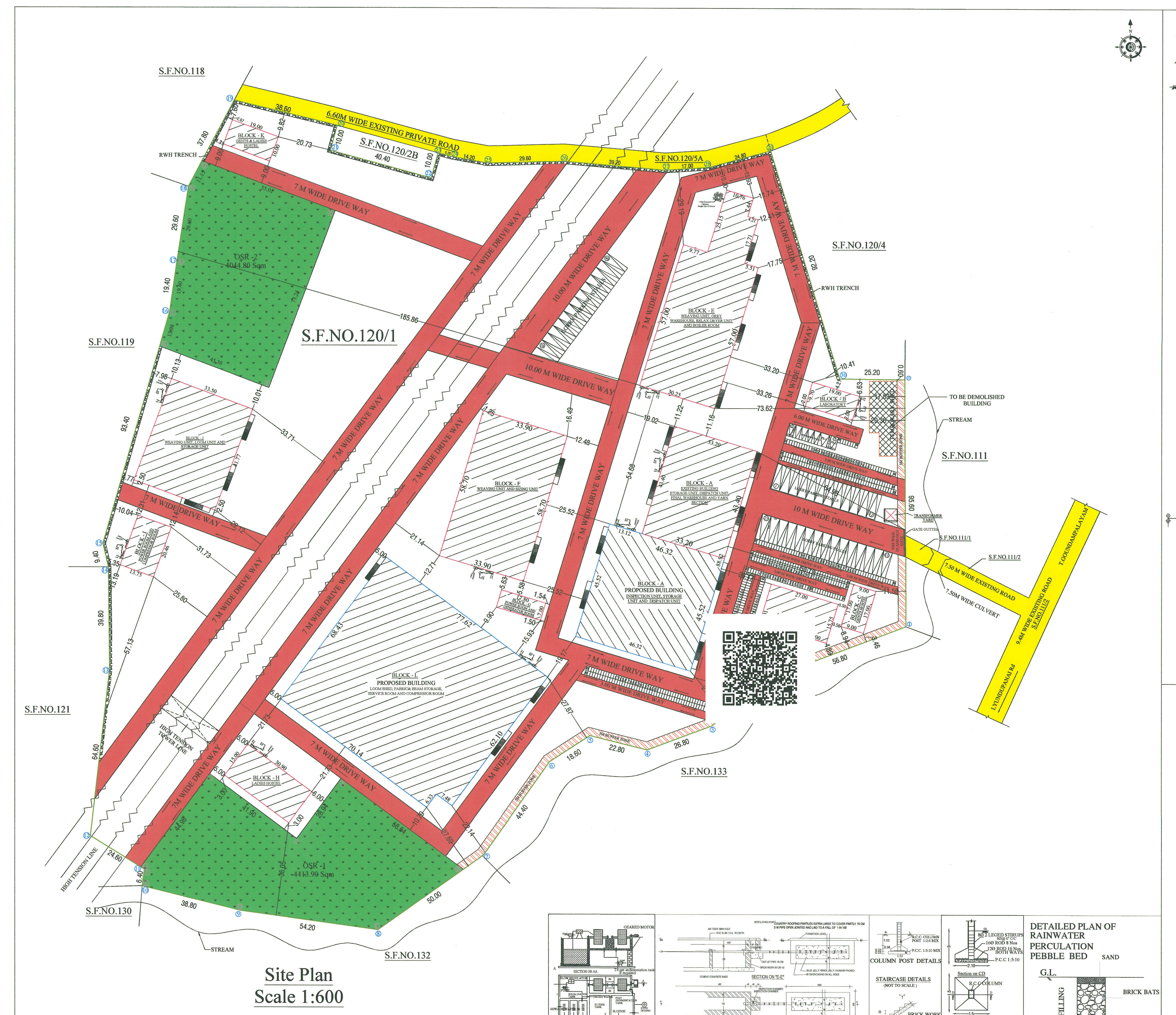
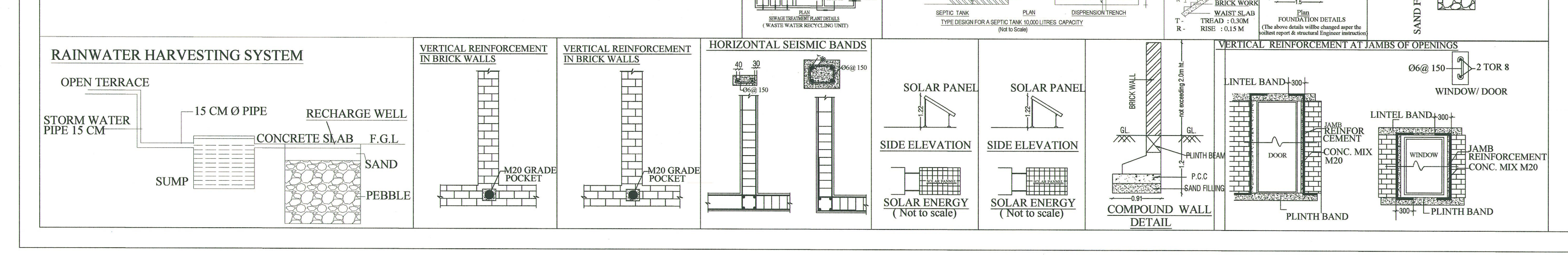
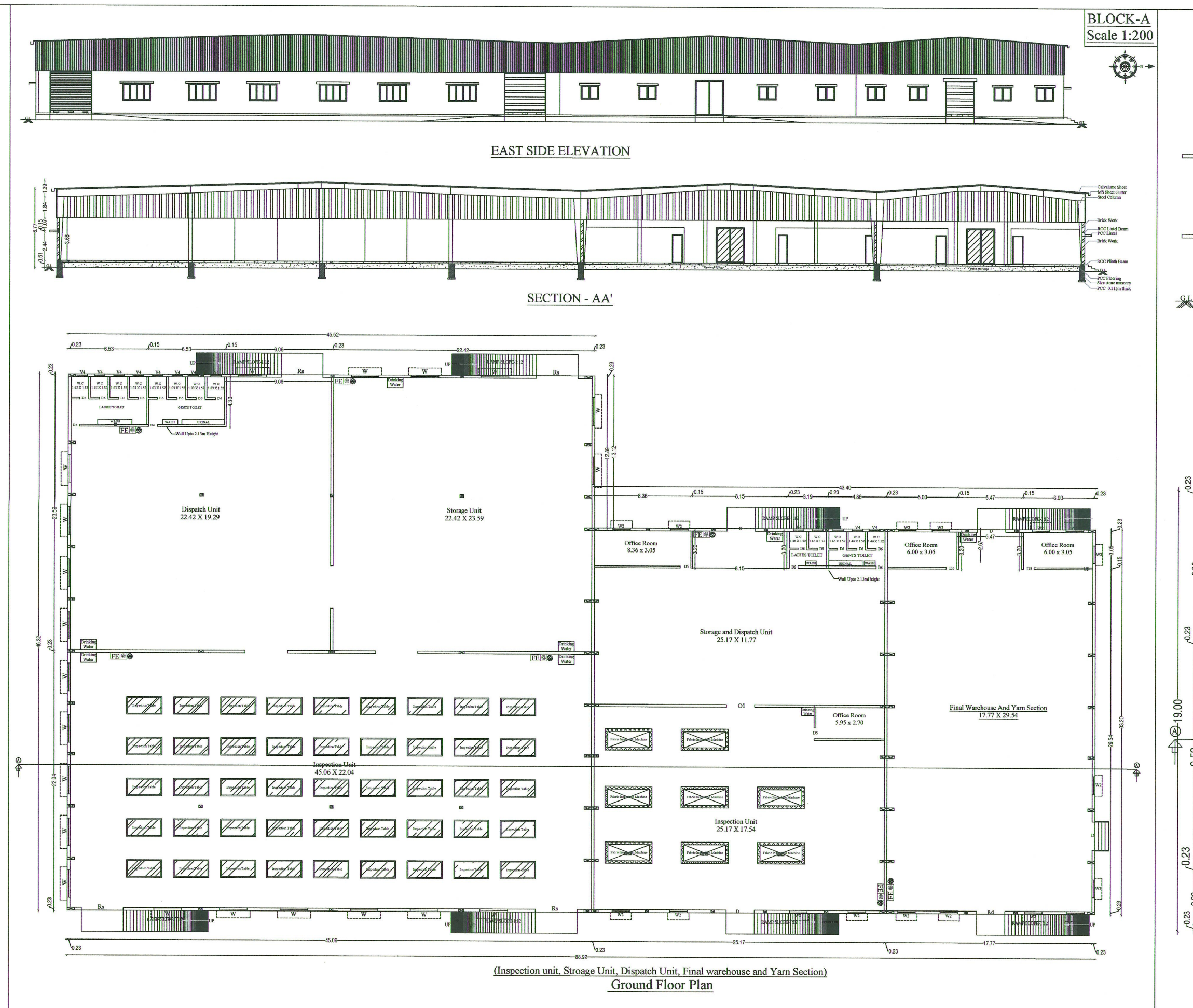
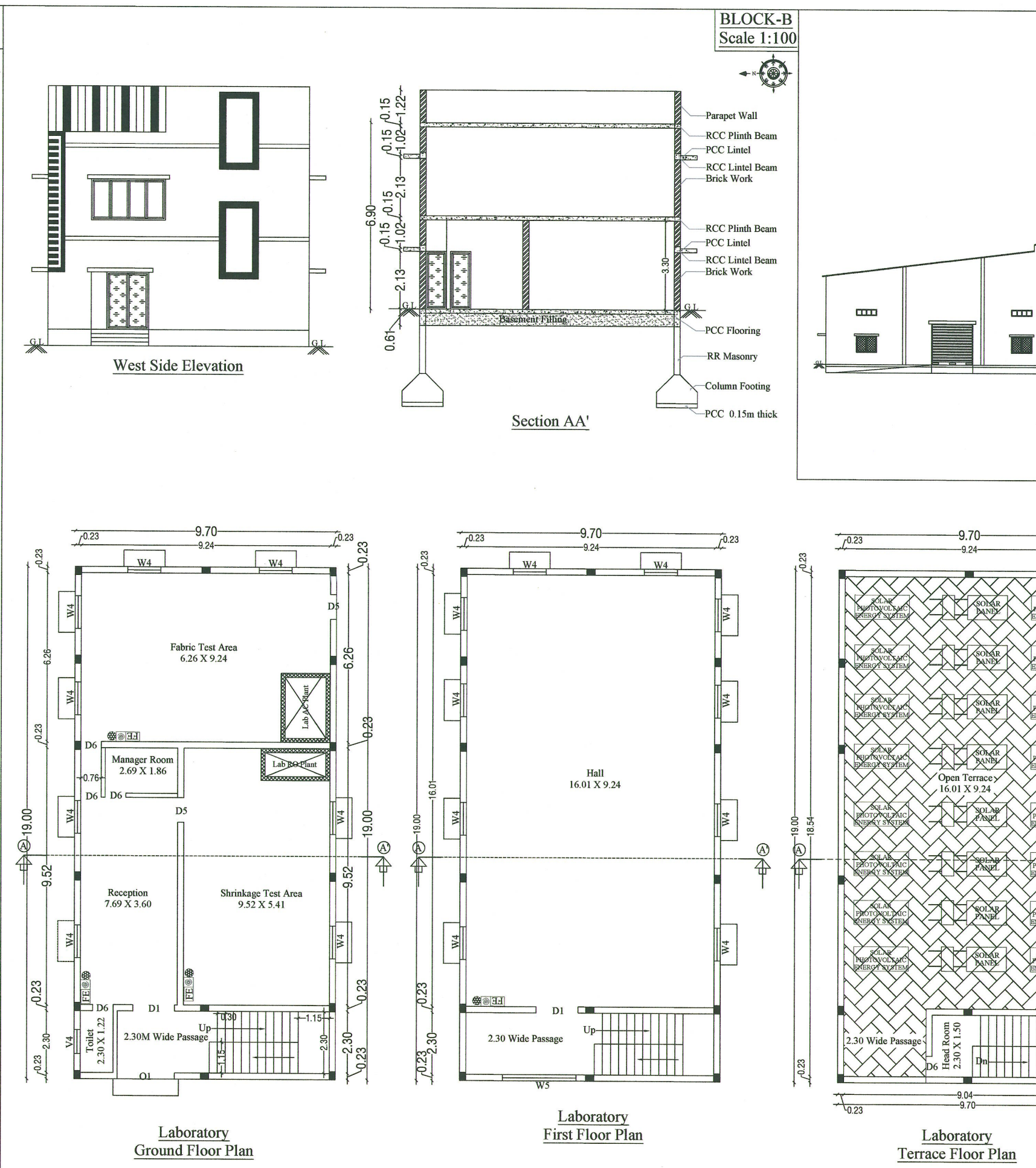
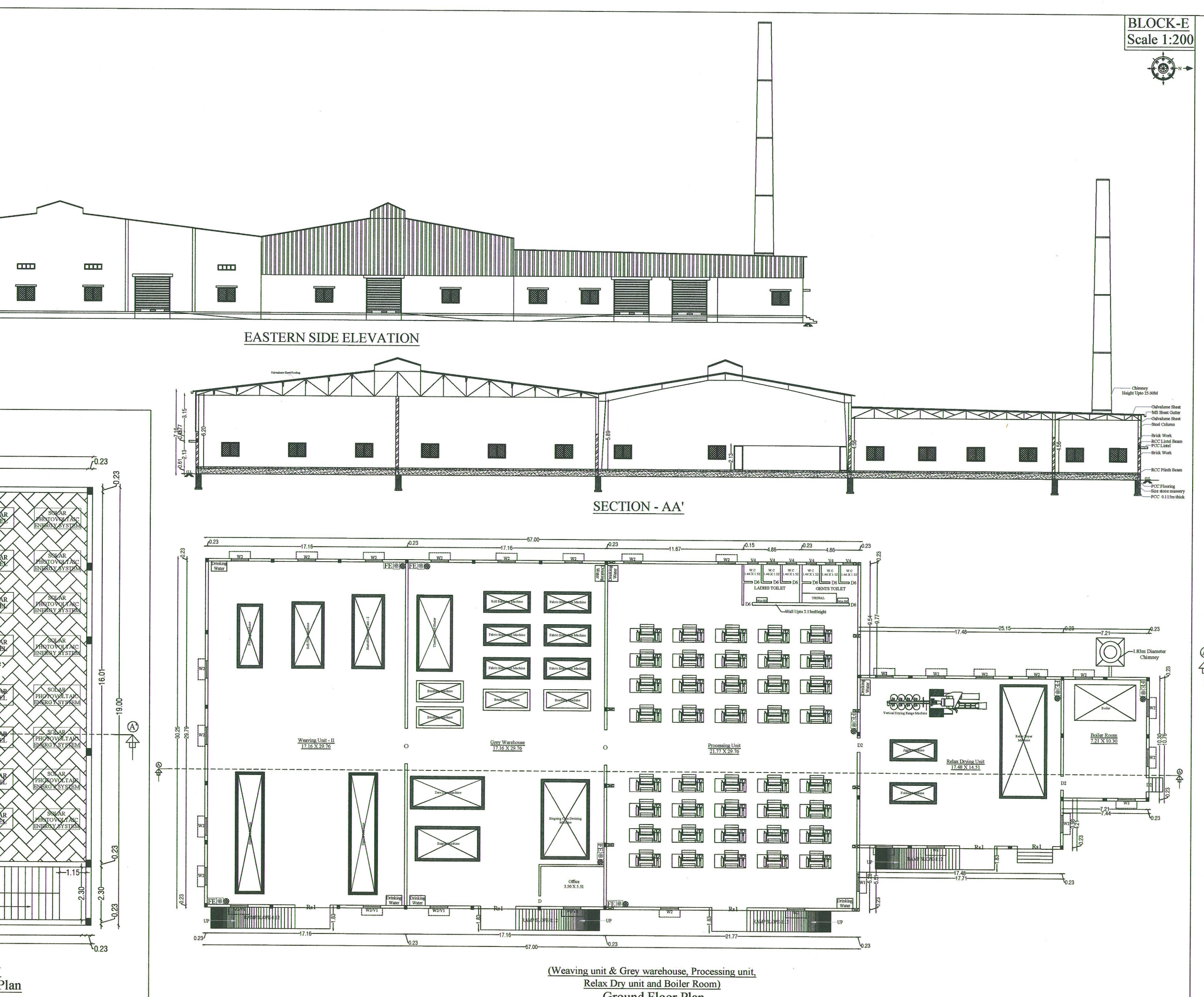

S.F.NO.120/1
S.F.NO.130
S.F.NO.132
STREAM
HIGH TENSION LINE
OSR -1 4413.90 Sqm

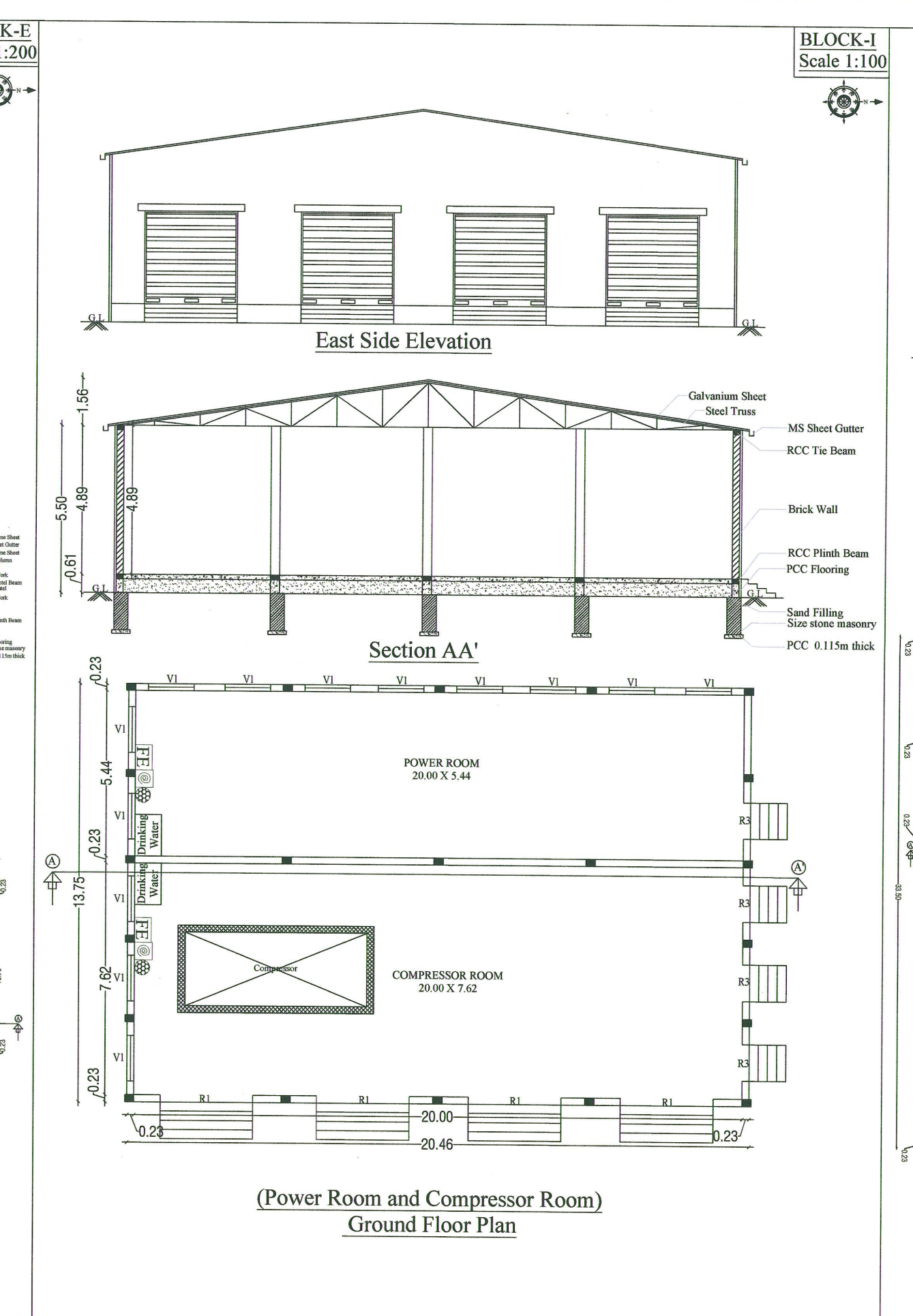
Site Plan
Scale 1:600

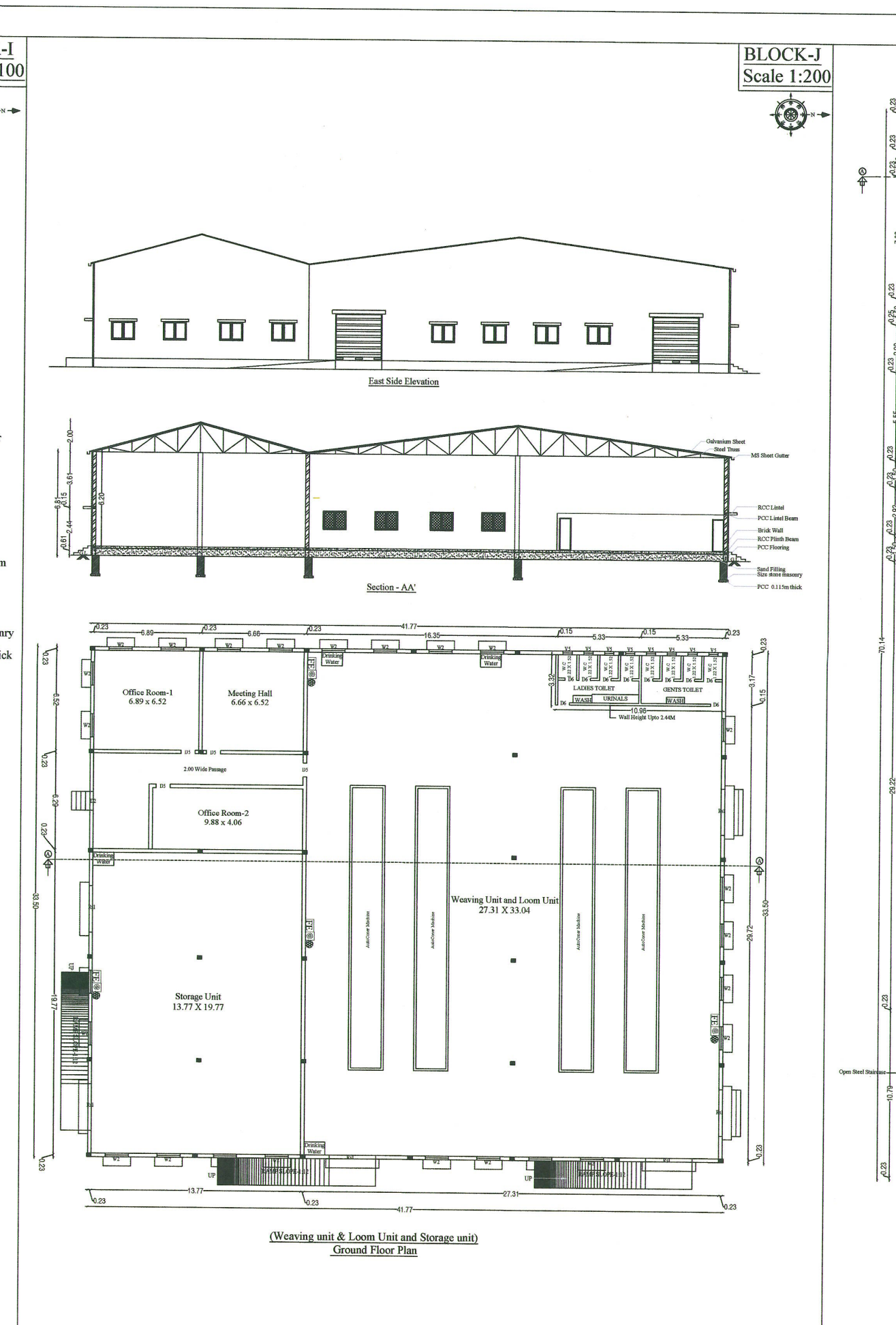

RAINWATER HARVESTING SYSTEM
OPEN TERRACE
STORM WATER PIPE 15 CM
15 CM Ø PIPE
RECHARGE WELL
CONCRETE SLAB
F.G.L
SUMP
SAND
PEBBLE
VERTICAL REINFORCEMENT IN BRICK WALLS
M20 GRADE POCKET
HORIZONTAL SEISMIC BANDS
SOLAR PANEL
SIDE ELEVATION
SOLAR ENERGY (Not to scale)
COMPOUND WALL DETAIL
VERTICAL REINFORCEMENT AT JAMBS OF OPENINGS
LINTEL BAND
PLINTH BAND
DOOR
WINDOW
DETAILED PLAN OF RAINWATER PERCULATION PEBBLE BED
SAND FILLING
BRICK BATS
COLUMN POST DETAILS
STAIRCASE DETAILS (NOT TO SCALE)
FOUNDATION DETAILS
TYPE DESIGN FOR A SEPTIC TANK 10,000 LITRES CAPACITY (Not to Scale)
SEWAGE TREATMENT PLANT DETAILS (WASTE WATER RECYCLING UNIT)

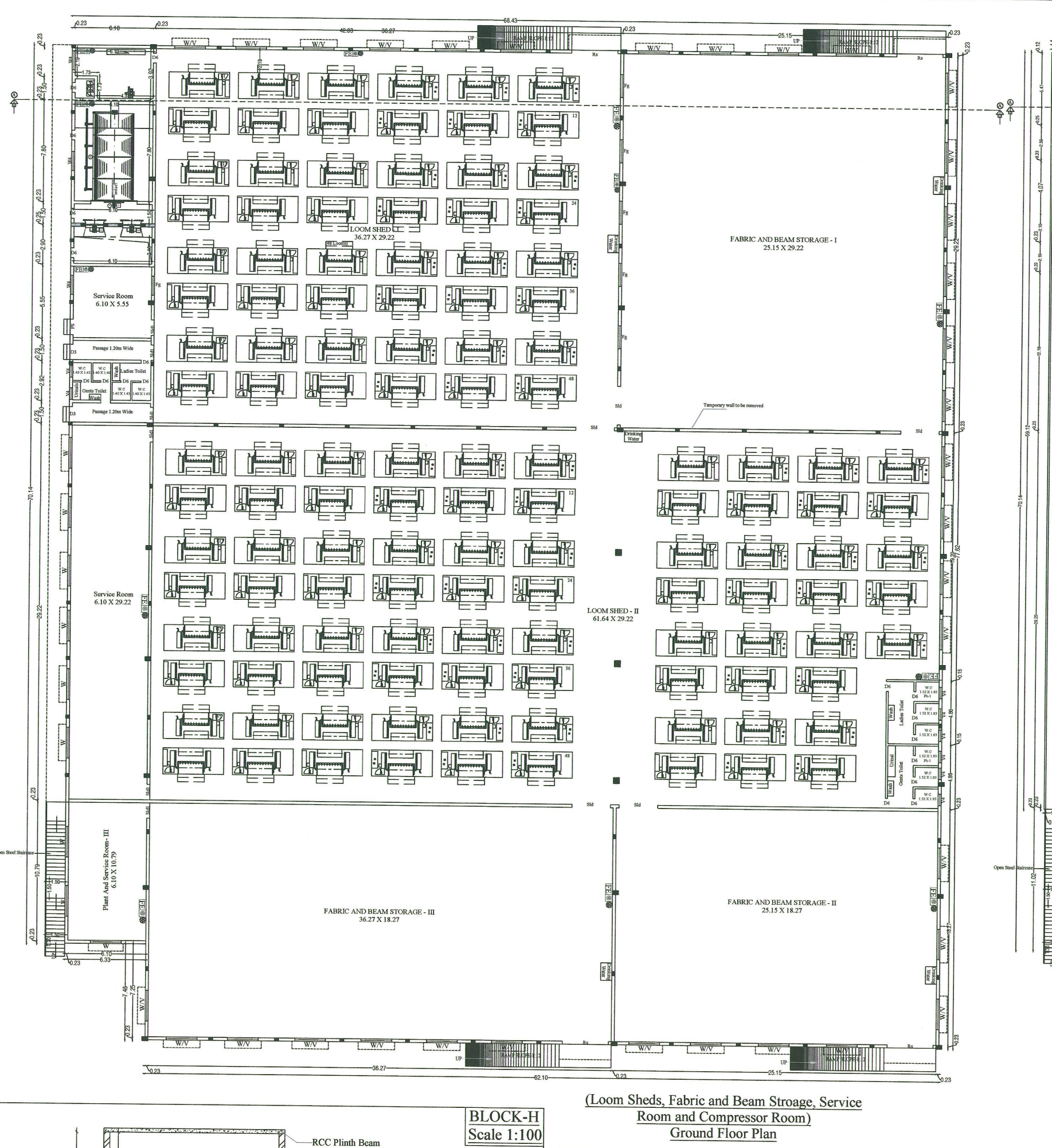

BLOCK-A
SECTION - A-A

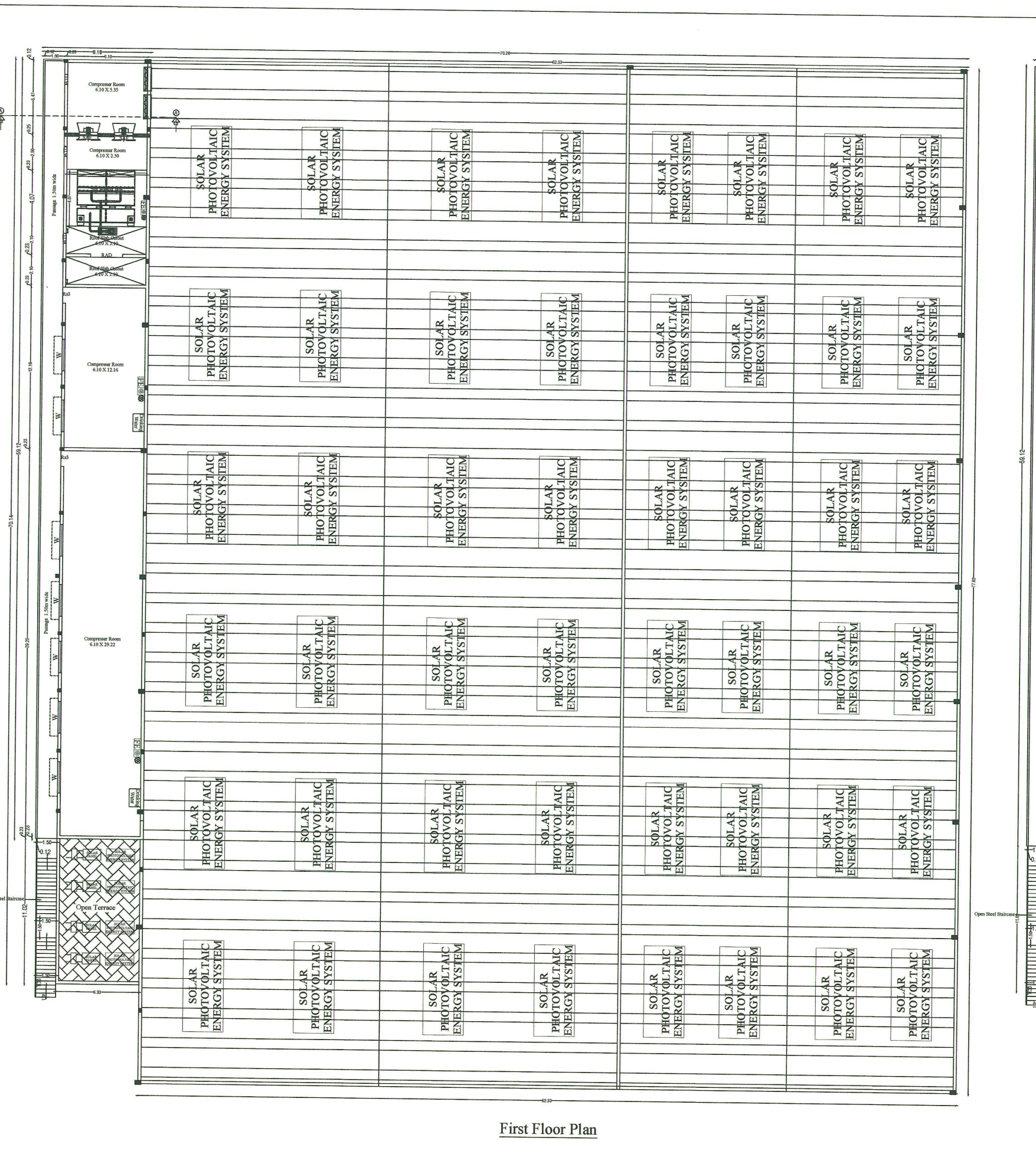

BLOCK-B
Laboratory

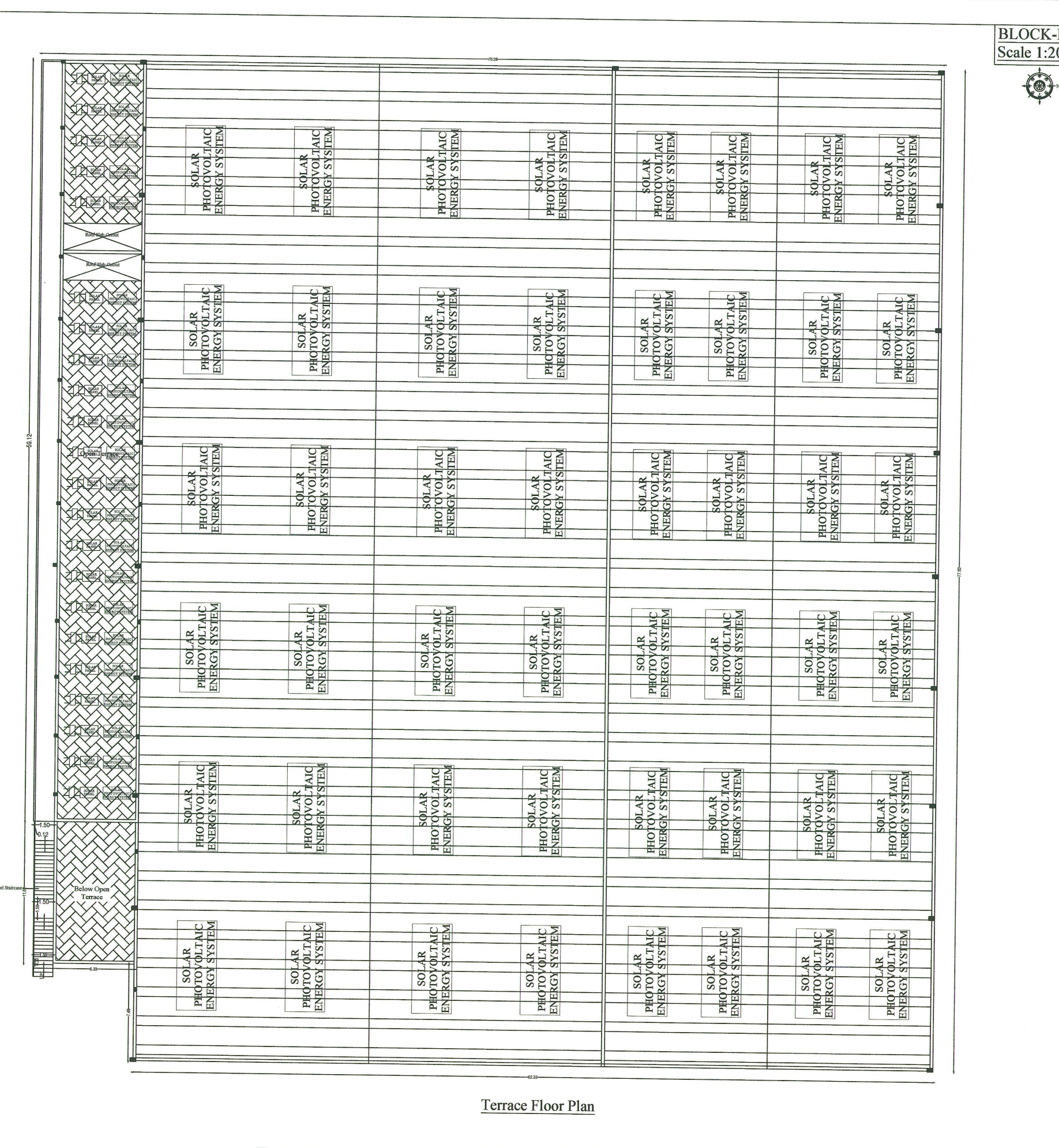

EASTERN SIDE ELEVATION
SECTION - AA

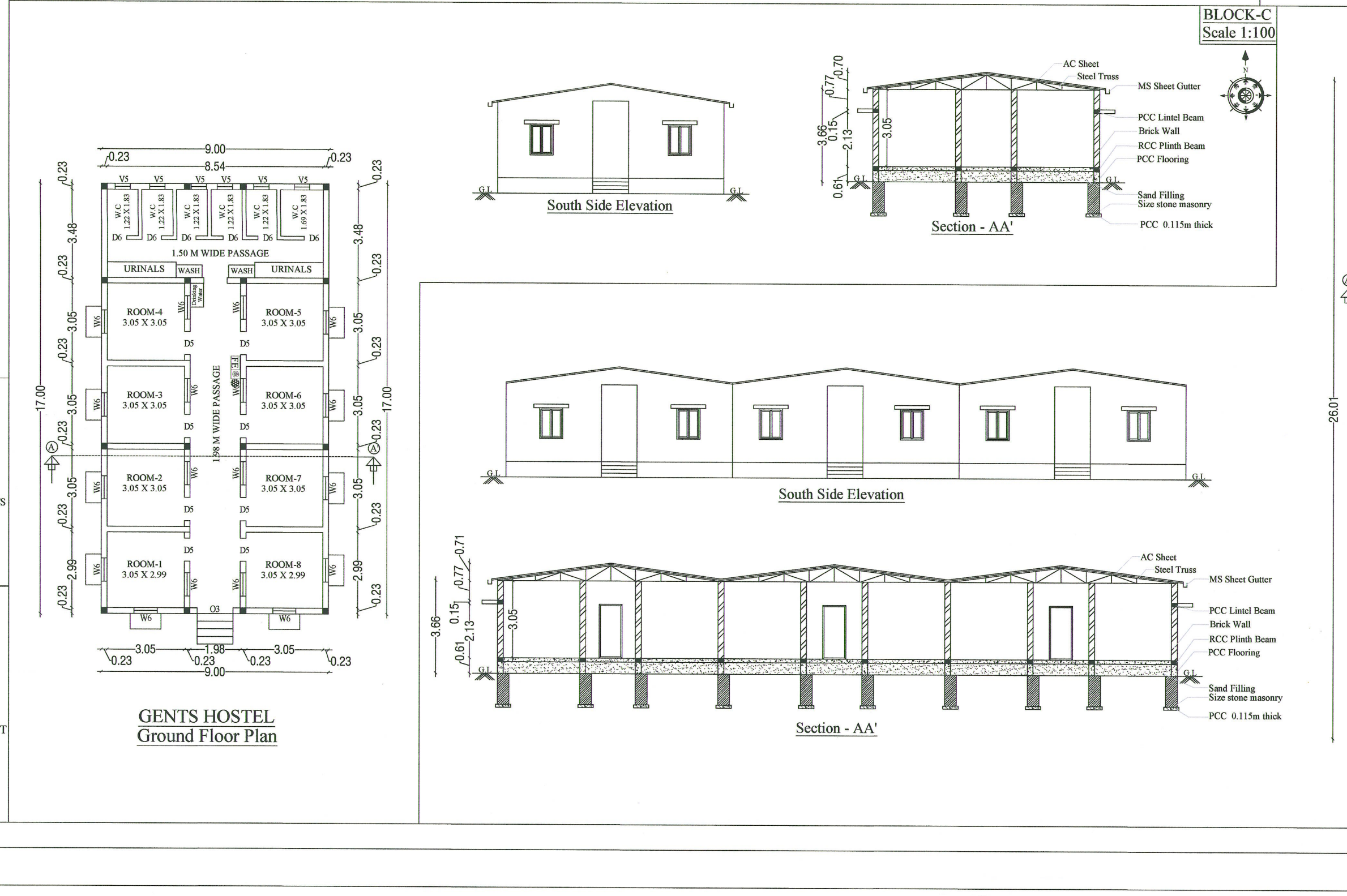

BLOCK-I
East Side Elevation
Section A-A
(Power Room and Compressor Room) Ground Floor Plan

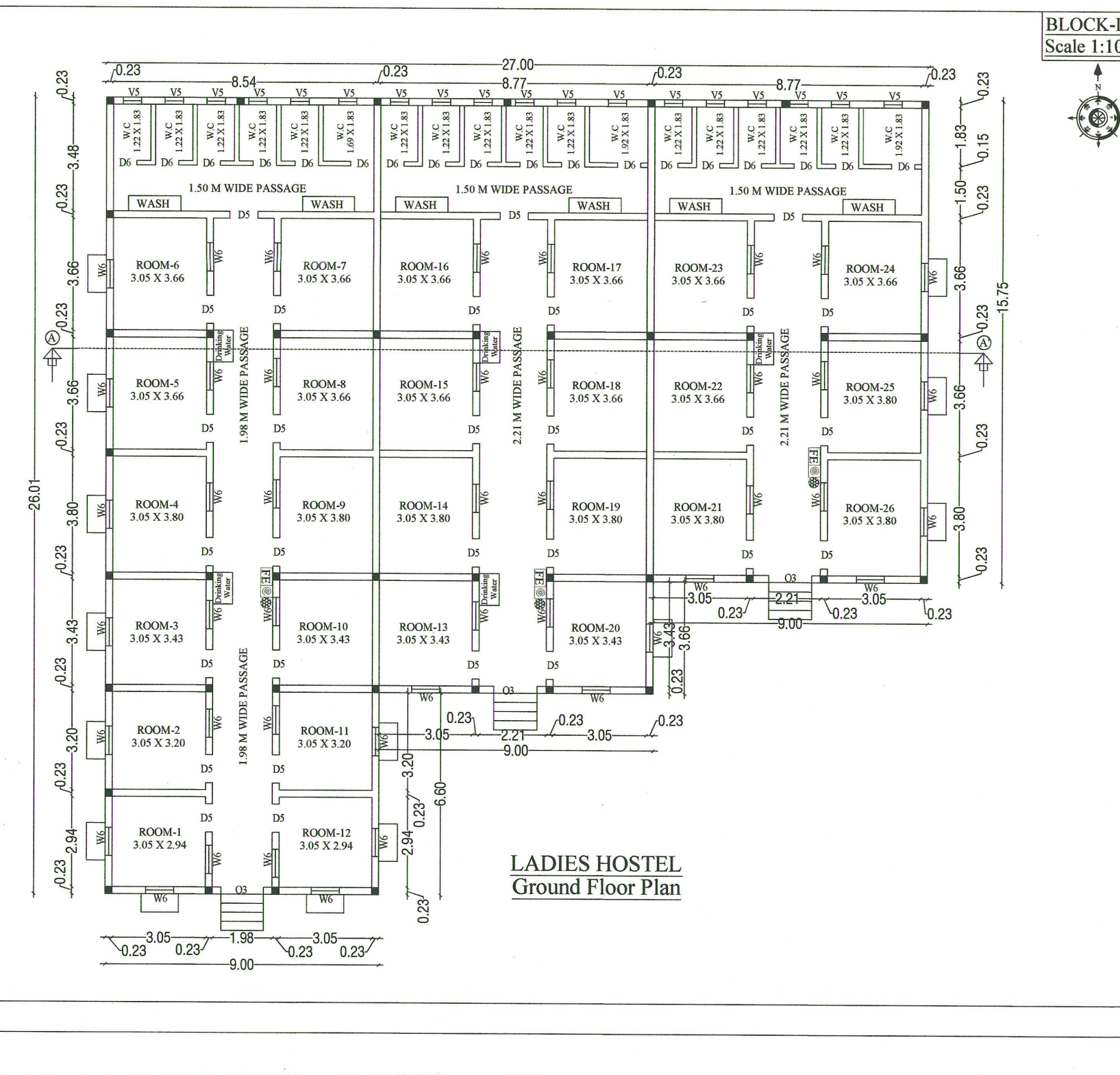


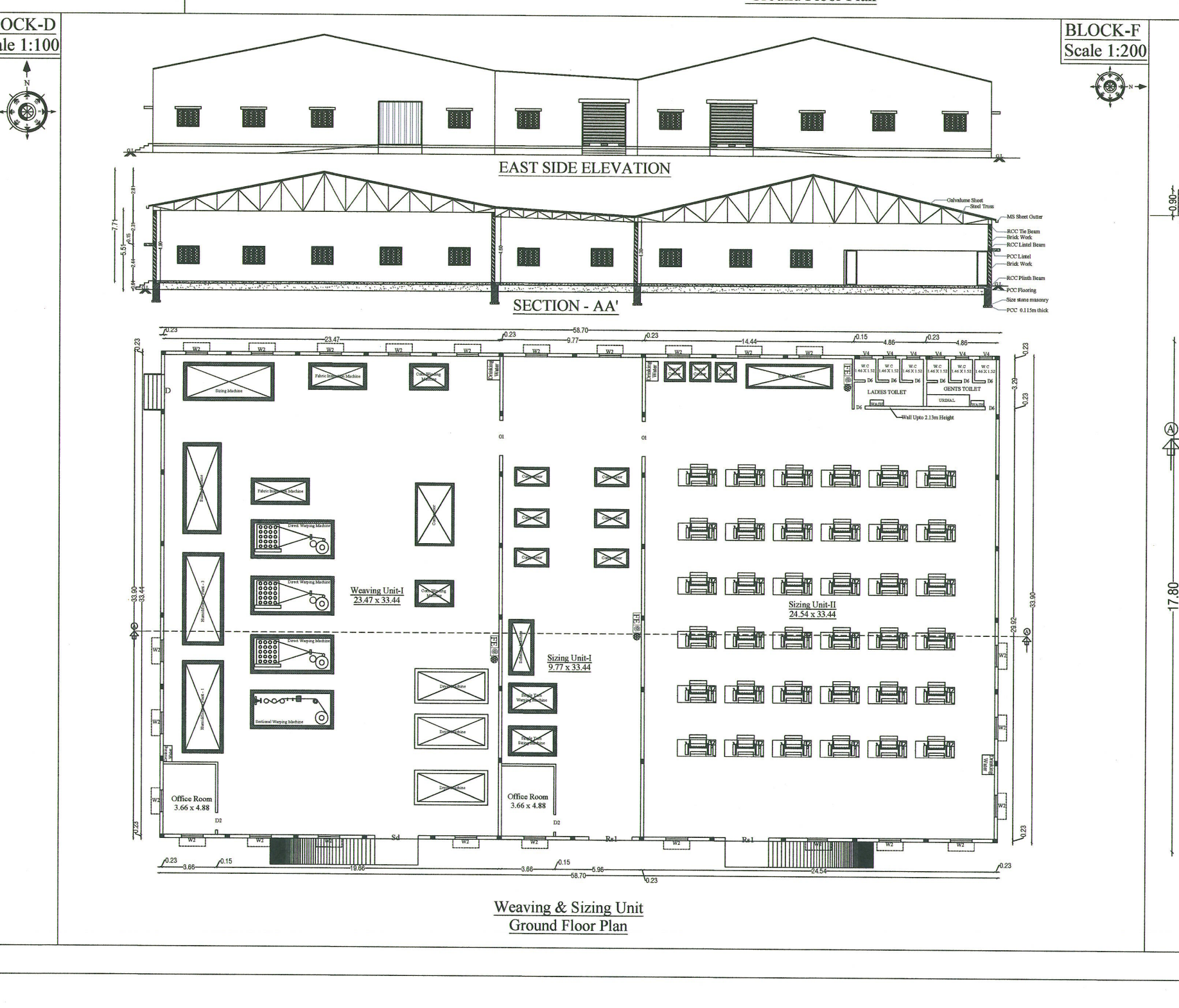

Ground Floor Plan

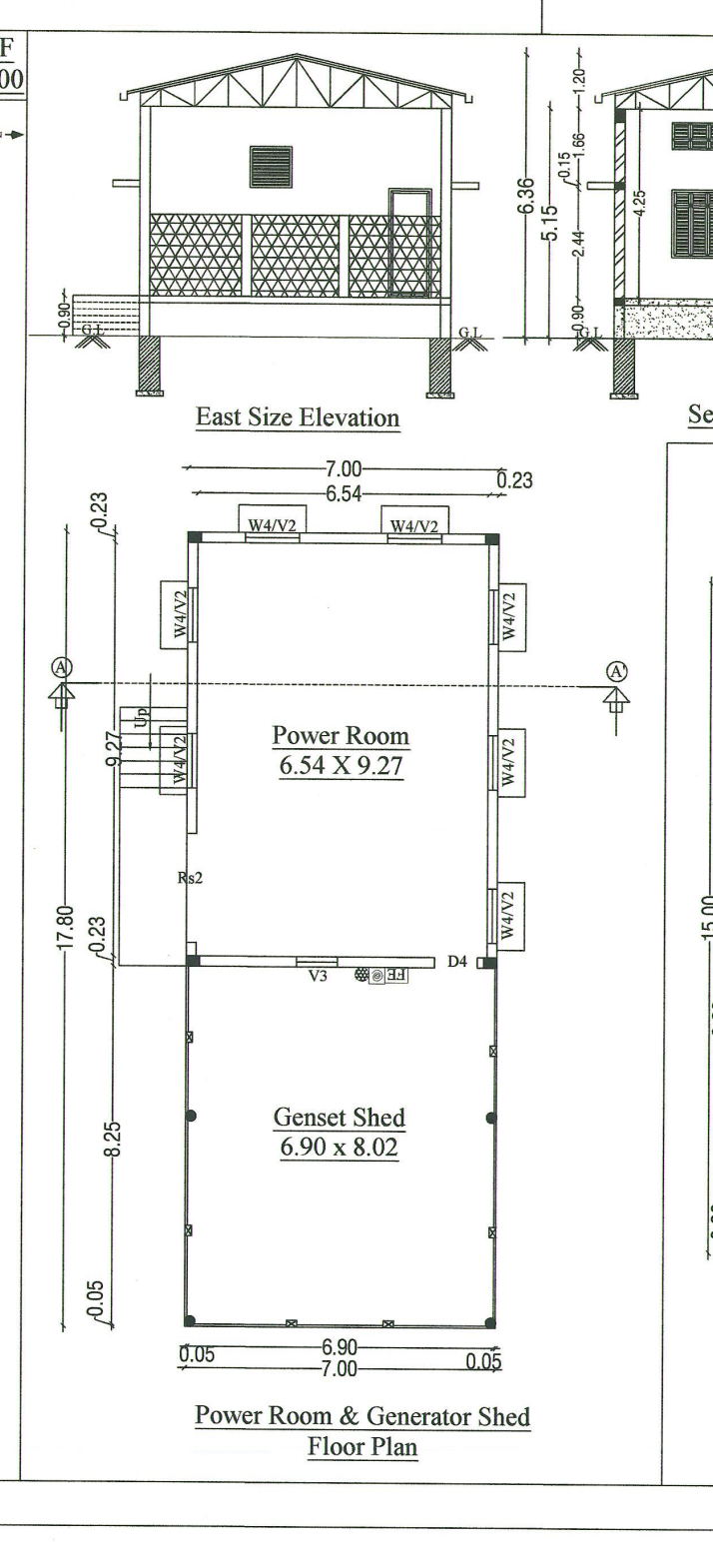

First Floor Plan

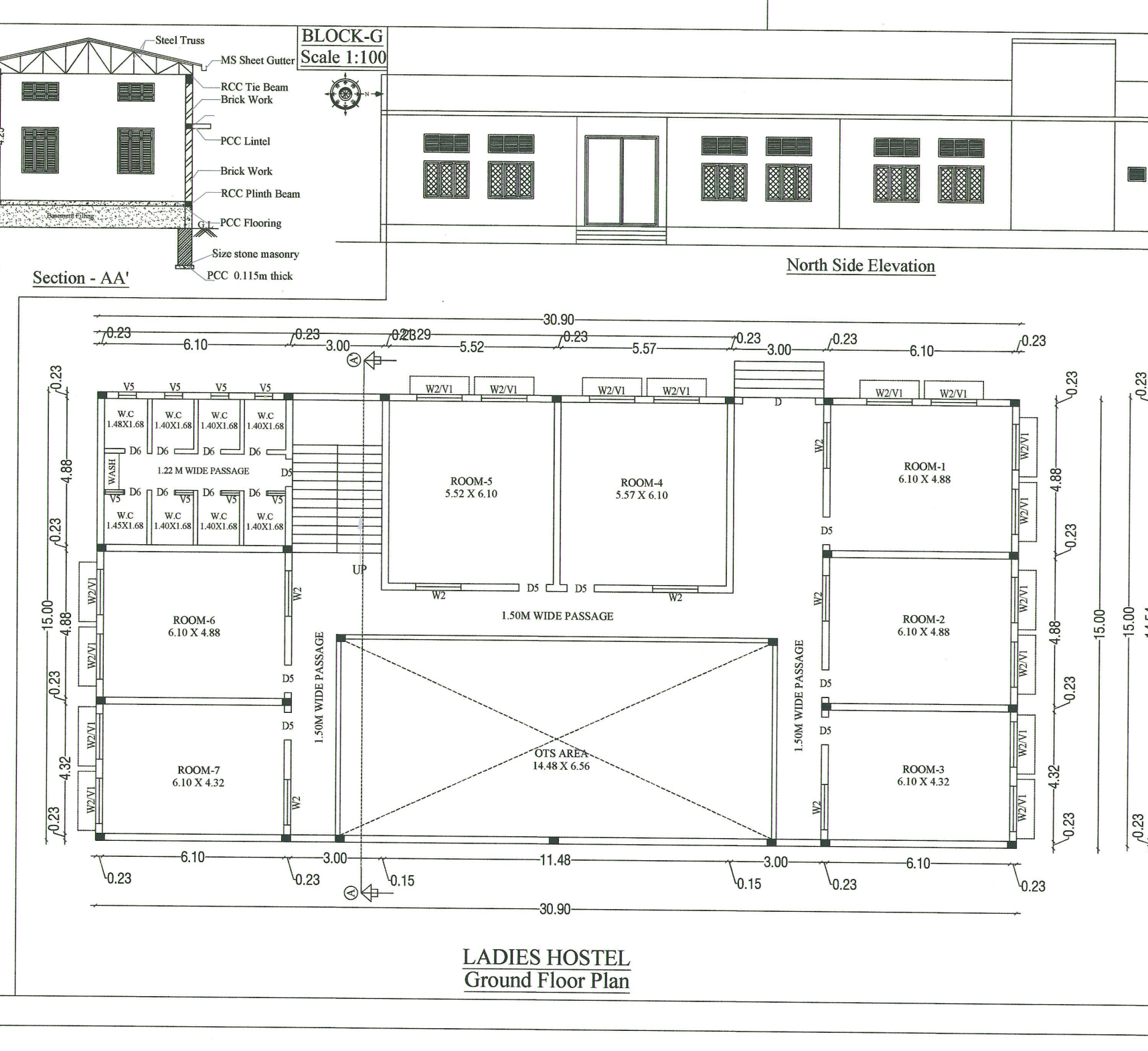

Terrace Floor Plan
SOLAR PHOTOVOLTAIC ENERGY SYSTEM
BLOCK-L
Scale 1:200

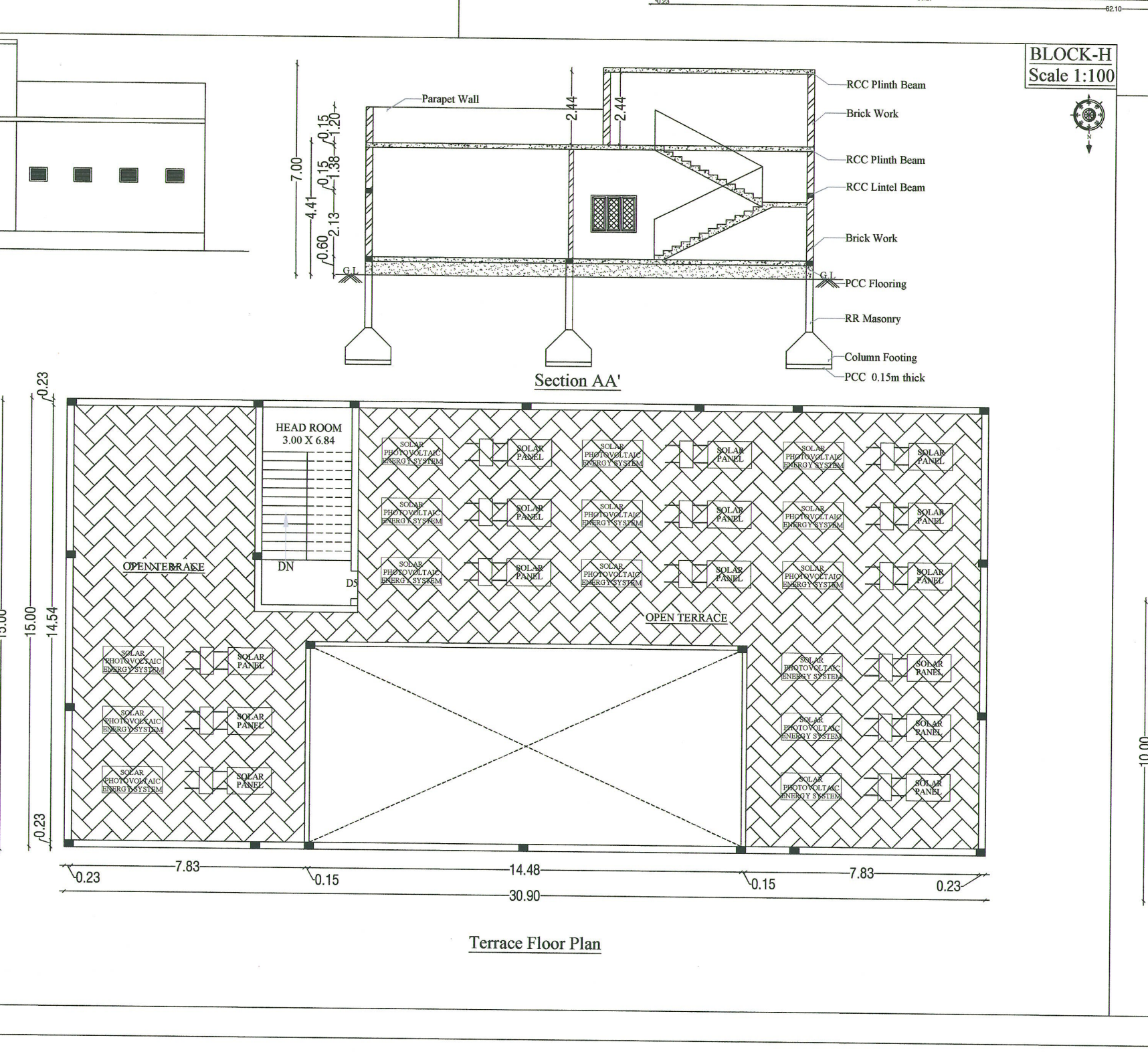

BLOCK-C
South Side Elevation
Section - A-A
GENTS HOSTEL Ground Floor Plan
ROOM-4 3.05 X 3.05
ROOM-3 3.05 X 3.05
ROOM-2 3.05 X 3.05
ROOM-1 3.05 X 2.99
URINALS
WASH

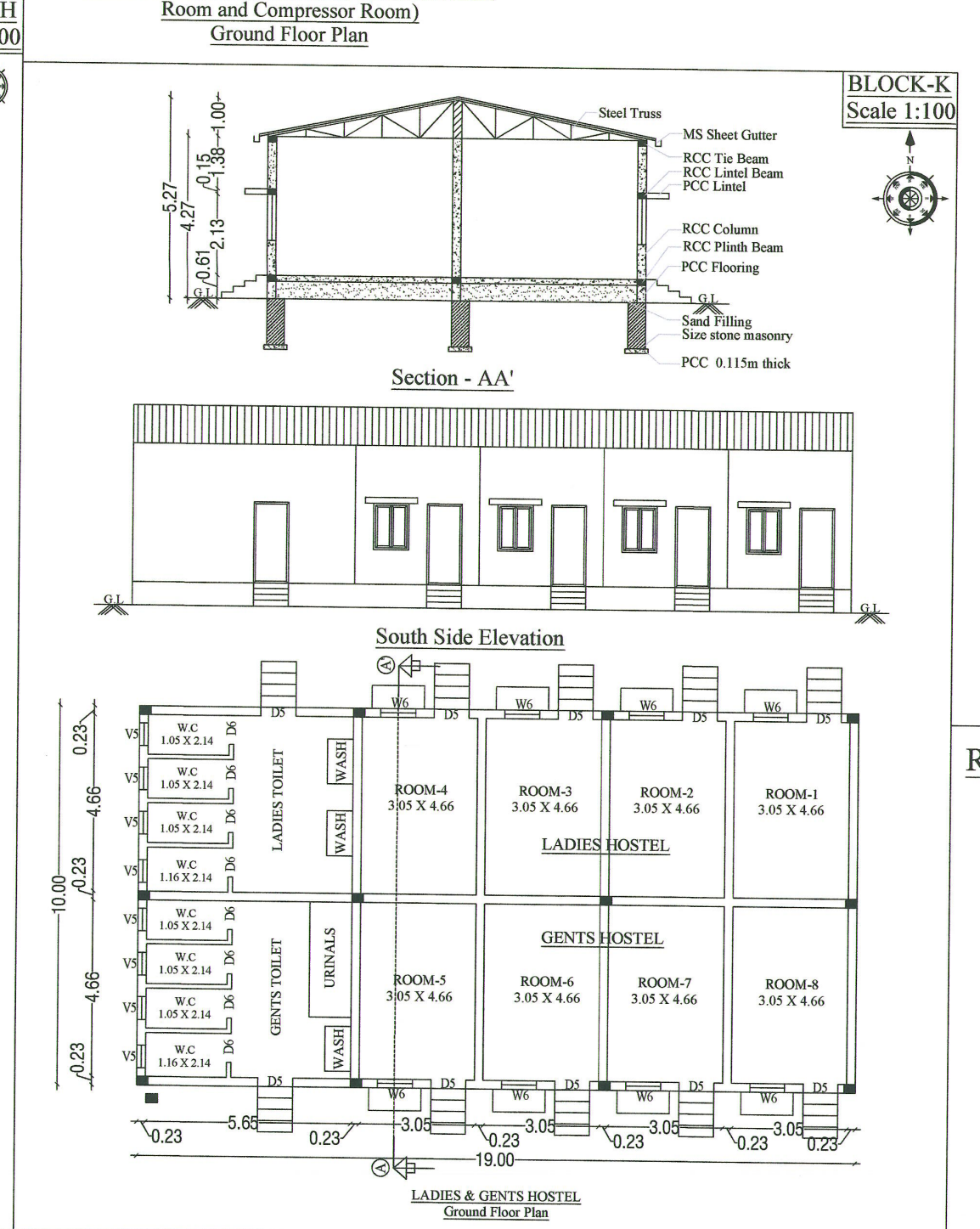

BLOCK-D
LADIES HOSTEL Ground Floor Plan

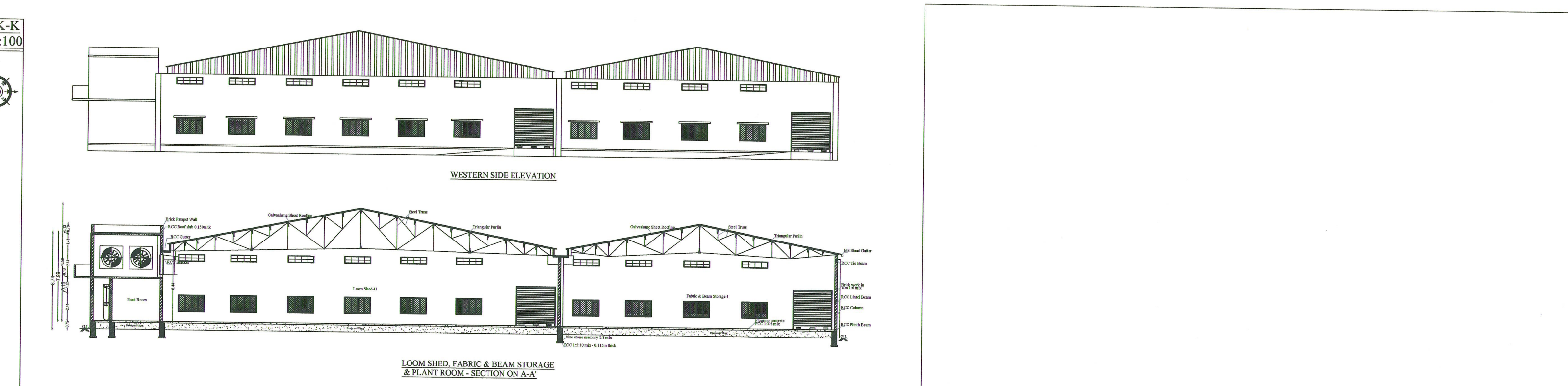

BLOCK-E
EAST SIDE ELEVATION
SECTION - AA
Weaving & Sizing Unit


BLOCK-G
Power Room & Generator Shed Floor Plan


BLOCK-H
South Side Elevation
LADIES HOSTEL Ground Floor Plan


Terrace Floor Plan


BLOCK-K
ROOM-2 3.05 X 4.66
ROOM-1 3.05 X 4.66
ROOM-7 3.05 X 4.66
ROOM-8 3.05 X 4.66
LADIES HOSTEL
GENTS HOSTEL


LOOM SHED, FABRIC & BEAM STORAGE & PLANT ROOM - SECTION ON A-A'

REFERENCE

⊛	FIRE ALARM SYSTEM
◎	HOSE REEL
FE	FIRE FIGHTING EQUIPMENT
DW	DRINKING WATER

COLOR INDEX

SITE BOUNDARY	▭
EXISTING ROAD	🟨
EXISTING BUILDING	▨
PROPOSED BUILDING	▧
DRIVE WAY	🟥
OSR	🟩
TO BE DEMOLISHED BUILDING	▩

BLOCK-L
Scale 1:200

TOTAL HP PROVIDED : 4205 HP

TOTAL NO OF LABOURS : 350 NOS

GENTS	250 NOS
LADIES	100 NOS

SL.NO	NAME OF THE MACHINERY	TOTAL HP		
		NOS	HP	TOTAL
1	AUTO LOOM M/C	210	7.50	1575.00
2	SIZING M/C	2	40.00	80.00
3	DIRECT WARPING M/C	3	12.00	36.00
4	SECTIONAL WARPING M/C	1	51.00	51.00
5	SINGLE YARN WARPING M/C	1	5.00	5.00
6	SINGLE YARN SIZING	1	5.00	5.00
7	FABRIC INSPECTION 1	12	2.00	24.00
	FABRIC INSPECTION 2	6	3.50	21.00
8	CONE WINDING	2	5.00	10.00
9	HUMIDIFICATION PLANT 1	1	35.00	35.00
10	HUMIDIFICATION PLANT 2	1	50.00	50.00
11	HUMIDIFICATION PLANT 3	1	30.00	30.00
12	HUMIDIFICATION PLANT 4	1	200.00	200.00
13	BRUSHING M/C 1	1	69.00	69.00
13	BRUSHING M/C 2	2	15.00	30.00
13	BRUSHING M/C 2	1	65.00	65.00
14	VERTICAL DRYING RANGE	1	80.00	80.00
15	SINGEING CUM DESIZING	1	43.00	43.00
16	SOAPER	1	45.00	45.00
17	ROLL BATCHING	1	3.00	3.00
18	STENTER M/C 1	1	85.00	85.00
18	STENTER M/C 2	1	150.00	150.00
19	ZERO ZERO M/C	1	78.00	78.00
22	SOFT FLOW	1	16.00	16.00
23	ROPE OPENER	1	13.00	13.00
24	JIGGER	1	5.00	5.00
26	COMPRESSER 1	2	5.00	10.00
27	COMPRESSER 2	1	49.00	49.00
28	COMPRESSER 3	4	73.00	292.00
29	COMPRESSER 4	2	100.00	200.00
30	COMPRESSER 5	3	120.00	360.00
31	DRYER 1	4	5.00	20.00
31	DRYER 2	3	6.00	18.00
32	STARCH COOKER	3	5.00	15.00
33	BOILER	1	23.00	23.00
34	THERMAL FLUID HEATER	1	30.00	30.00
35	SOFTENING PLANT	1	5.00	5.00
36	ETP PLANT	1	30.00	30.00
37	FOLDING M/C	3	2.00	6.00
38	FIRE HYDRANT PUMPS	1	70.00	70.00
39	LAB AC PLANT	1	28.00	28.00
40	LAB RO PLANT	1	2.00	2.00
41	HYDRO M/C	1	15.00	15.00
42	COMPRESSER - 6	1	50.00	50.00
43	AUTOCONER	4	29.50	118.00
44	AUTOCONER PLANT	1	60.00	60.00
				4205.00

JOINERY DETAILS

SYMBOL	DESCRIPTION	IN METER
D	Door	2.44 X 3.05
D1	Door 1	1.55 X 2.13
D2	Door 2	1.22 X 2.44
D3	Door 3	1.20 X 2.44
D4	Door4	0.96 X 2.44
D5	Door 5	0.92 X 2.13
D6	Door 6	0.76 X 2.13
W	Window	2.40 X 1.50
W1	Window 1	1.80 X 1.50
W2	Window 2	1.52 X 1.23
W3	Window 3	1.50 X 1.50
W4	Window 4	1.22 X 1.50
W5	Window 5	1.52 X 2.74
W6	Window 6	0.92 X 1.22
Fg	Fixed Glass	1.80 X 1.50
Sld	Slideing door	3.00 X 3.00
Sld1	Slideing door1	1.20 X 2.40
Rs	Rolling Shutter	3.60 X 3.60
Rs1	Rolling Shutter 1	3.05 X 3.05
Rs2	Rolling Shutter 2	2.44 X 3.05
Rs3	Rolling Shutter 3	1.20 X 2.40
V	Ventilator	2.40 X 0.60
V1	Ventilator 1	1.52 X 0.60
V2	Ventilator 2	1.22 X 0.60
V3	Ventilator 3	0.92 X 0.92
V4	Ventilator 4	0.90 X 0.60
V5	Ventilator 5	0.60 X 0.45
ATD	Air Tight Door	0.76 X 2.13
O	Open	3.05 X 3.05
O1	Open 1	2.44 X 3.05
O2	Open 2	2.13 X 3.05
O3	Open 3	1.42 X 3.05
J	RCC Jolly	1.20 X 0.60

SITE AND DETAILED PLAN SHOWING THE EXISTING AND PROPOSED CONSTRUCTION OF COTTON SPINNING AND WEAVING INDUSTRY (ORANGE CATEGORY) WITH 4205 HP IN S.F.NO.120/1 AT THOKKAVADI KAVUNDAMPALAYAM VILLAGE AND PANCHAYAT, TIRUCHENGODE TALUK, NAMAKKAL DISTRICT.

All Dimensions are in Meter

M/s. Santhi Processing Unit Private Limited
By its Director S.Duraisamy.

Online Application No : SWP/BPA/199616/2024 Dated : 30.04.2024

As Per Document - 17.80 Acre (or) 72034.11 Sq.m
As Per Patta - 72295.00 Sq.m
As Per Super Imposed Site Area - 71858.10 Sq.m

AREA DETAILS

DESCRIPTION	FSI (Sqm)	NON FSI (Sqm)	TOTAL AREA (Sqm)
EXISTING BUILDING			
BLOCK - A (STORAGE UNIT, DISPATCH UNIT, FINAL WAREHOUSE AND YARN SECTION)			
GROUND FLOOR	1440.88	-	1440.88
BLOCK - B (LABORATORY)			
GROUND FLOOR	184.30	-	184.30
FIRST FLOOR	184.30	-	184.30
HEAD ROOM	-	17.69	17.69
BLOCK - C (GENTS HOSTEL)			
GROUND FLOOR	153.00	-	153.00
BLOCK - D (LADIES HOSTEL)			
GROUND FLOOR	550.53	-	550.53
BLOCK - E (WEAVING UNIT, GREY WAREHOUSE,RELAX DRYER UNIT AND BOILER ROOM)			
GROUND FLOOR	2069.42	-	2069.42
BLOCK - F (WEAVING UNIT AND SIZING UNIT)			
GROUND FLOOR	1989.93	-	1989.93
BLOCK - G (POWER ROOM AND GENERATOR SHED)			
GROUND FLOOR	124.60	-	124.60
BLOCK - H (LADIES HOSTEL)			
GROUND FLOOR	368.51	94.99	463.50
HEAD ROOM	-	24.46	24.46
BLOCK - I (POWER HOUSE AND COMPRESSOR ROOM)			
GROUND FLOOR	281.33	-	281.33
BLOCK - J (WEAVING UNIT, LOOM UNIT AND STORAGE UNIT)			
GROUND FLOOR	1399.30	-	1399.30
BLOCK - K (GENTS & LADIES HOSTEL)			
GROUND FLOOR	190.00	-	190.00
TOTAL	8936.10	137.14	9073.24
PROPOSED BUILDING			
BLOCK - A (INSPECTION UNIT, STORAGE UNIT, DISPATCH UNIT)			
GROUND FLOOR	2108.49	-	2108.49
BLOCK L - (LOOM SHED, FABRIC & BEAM STORAGE, SERVICE ROOM AND COMPRESSOR ROOM)			
GROUND FLOOR	5264.69	-	5264.69
FIRST FLOOR	457.70	25.62	483.32
TOTAL	7830.88	25.62	7856.50
GRAND TOTAL	16766.98	162.76	16929.74

$$\text{FLOOR SPACE INDEX} = \frac{\text{FSI AREA}}{\text{SITE AREA}} = \frac{16766.98}{71858.10\ \text{Sqm}} = 0.24 < 1.5$$

OSR REQUIRED	OSR PROVIDED
7229.5 Sq.m (10.00%)	8485.70 Sq.m (11.80%)

HEIGHT OF THE BUILDING: 8.74 M

Vehicle	Parking Area Description	Block Details	Area	Required	Provided
Car	1 Car space for every 100 Sq.m of office floor area	Block -A, B, E, F, J	293.75/100	3	6(Including PH)
	Visitors Parking 10%			1	1
	Total			4	7
Two Wheeler	1 two wheeler space for every 50 Sq.m of workshop floor area	Block -A, B, E F, G, I, J, L	11526.13/50	231	287
	1 Two Wheeler for every 10 rooms	Block -C, D, H, K	49/10	5	10
	Total			236	297
Lorry	1 Lorry space for every 300 Sq.m of workshop floor area	Block -A, L	2707.89/300	10	11
	1 Lorry space for every 500 sq.m of workshop floor area or part thereof	Block -A, B, E F, G, I, J, L	11526.13/500	24	29
	Total			34	40
Cycle	1 Cycle space for every 50 Sq.m of workshop floor area	Block -A, B, E F, G, I, J, L	11526.13/500	231	298

Er.C.PALANISAMY, B.E.,
Registered Engineer - TD/RE/Gr-I/2023/05/001
Registered Structural Engineer - 016/RSE II
Licensed Building Surveyor - 032/26/2016-2017
Consulting Civil Engineer
RG Builders No : 59/1, Swapna Towers (Third Floor),
Stanes Road 4th Street, Avinashi Main Road,
Tirupur -641602, Cell No. 9894042640
E.mail :cpsamy.rgbuilders@gmail.com

REGISTERED ENGINEER:

Er.C.PALANISAMY, B.E.,
Registered Engineer - TD/RE/Gr-I/2023/05/001
Registered Structural Engineer - 016/RSE II
Licensed Building Surveyor - 032/26/2016-2017
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RG Builders No : 59/1, Swapna Towers (Third Floor),
Stanes Road 4th Street, Avinashi Main Road,
Tirupur -641602, Cell No. 9894042640
E.mail :cpsamy.rgbuilders@gmail.com

REGISTERED STRUCTURAL ENGINEER:

For Santhi Processing Unit Pvt. Ltd.,
Managing Director.

APPLICANT:

Signature valid
Signature Not Verified
Signature Not Verified