



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

**SCHOOL OF BUILDING AND ENVIRONMENT
DEPARTMENT OF ARCHITECTURE
M. Arch (Building management)**

**PROFESSIONAL TRAINING (S84APT)
DEC 2021 - JAN 2022**

Name of the Student : S.Venkateshwaran

Reg No. : 40840019

Semester : III

Batch : 2020-2022



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DEPARTMENT OF ARCHITECTURE

M. Arch (Building management)

VIVA-VOCE EXAMINATION

This is to certify that the Professional Training Report (S84APT) is the work of **VENKATESHWARAN S** who had undergone training in **AKASH CONSTRUCTION COMPANY** and has been monitored by the continuous assessment during Dec 2021 to Jan 2022.

Dr. Devyani Gangopadhyay

HOD AND DEAN

Submitted for Viva voce Examination held on 01.02.2022

Internal Examiner

(Ar. SUKIRTHA SURESH)

External Examiner

AR HENA DAMODHARAN



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DECLARATION

I **VENKATESHWARAN S** hereby declare that this Professional Training Report for the period of **30 days from 3rd Dec 2021 to 10th Jan 2022** done by me under the guidance of **PM KRISHNAMOORTHY** is submitted in partial fulfillment of the requirements for the completion of practical training session.

DATE : 01.02.2022

PLACE : CHENNAI

A blue ink signature of the candidate, Venkateshwaran S, is written over a horizontal line.

scanned sign

SIGNATURE OF CANDIDATE

ACKNOWLEDGEMENT

I am pleased to acknowledge my sincere thanks to Board of Management of **SATHYABAMA INSTITUTE OF SCIENCE & TECHNOLOGY** for their kind encouragement in doing this project and for completing it successfully. I am grateful to them.

I convey my thanks to **Dr. Devyani Gangopadhyay Dean, School of building and Environment** for providing me necessary support and details at the right time during the progressive reviews.

I would like to express my sincere and deep sense of gratitude to **PM, Krishnamoorthy, Managing Director, Akash Construction Company** for his valuable guidance, suggestions and constant encouragement paved way for the successful completion of my Training.

I would also like to thank **Mr.Suresh (General Manager)** , for providing me an opportunity to engage myself as an trainee in **Akash Construction Company, No 7-A, Sambakkulam, K.Pudur, Madurai - 625007.**

I would also like to express my sincere thanks to Ar. Sukirtha Suresh (Internal Co-Ordinator) for her valuable guidance, during the entire Professional Training period.

I wish to express my thanks to all Teaching and Non-teaching staff members of the Department of Architecture who were helpful in many ways for the completion of the project.

I would also like to thank my parents and friends whoever helped and supported me to complete this training successfully.



Akash Construction Company

ENGINEERS & BUILDERS, Madurai- 625 007

03.12.2021

The Head of the Department,
Dept. of Architecture
School of Building & Environment
Sathyabama Institute of Science and Technology
Rajiv Gandhi Salai,
Jeppiaar Nagar,
Chennai – 600 119.
Tamil Nadu

Dear Sir,

This has reference to your letter regarding implant training of the following student pursuing M.Arch in Building Management (Final Year) from your institution in our organization.

Mr.S.Venkateshwaran

We agree to admit him for implant training for the duration of 03rd Dec 2021 to 10 Jan 2022 in our organization. He may be advised to report at the following address :

Akash Construction Company,

No.7A, Sambakkulam, K.Pudur,

Madurai – 625007.

Contact Number : 99655 93071

Please note that he has to undergo the training without any financial commitment to the Company and fully at his risk and responsibility.

For Akash Construction Company


Authorized Signatory



Akash Construction Company

ENGINEERS & BUILDERS, Madurai- 625 007

IN PLANT TRAINING COMPLETION CERTIFICATE

To whom so ever it may concern

This is to certify that Mr.S.Venkateshwaran (Reg.No.40840019), pursuing his M.Arch (Building Management Final year) at Sathyabama Institute of Science And Technology, Rajiv Gandhi Salai, Chennai - 600 119. has successfully completed his In-Plant Training in our concern during the period of 03.12.2021 to 10.01.2022. During the training period, we found him to be sincere and hard working. He was well mannered and displayed inquisitiveness to learn and improve upon service.

Akash Construction Company,


Authorized Signatory.

MONTHLY REPORT



SATHYABAMA

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(Est U/s(3) of UGC Act,1956) Accredited with Grade "A" by NAAC (A Christian Minority Institution)

JEPPIAAR NAGAR, RAJIV GANDHI SALAI, CHEMMENCHERY, CHENNAI – 600119. TAMILNADU.

PHONE: 2450 1443/9941912481 INTERNET: www.sathyabama.ac.in

E-mail: archhud@sathyabama.ac.in



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DEPARTMENT OF ARCHITECTURE

M. Arch (Building management)

Continuous Assessment Report for Professional training

(Continuous progress report of the trainee architect/Project Manager for the period of 15 working days in the office to be submitted to HOD by the Trainee in Charge of the Organization)

1. Name of the office / organization : AKASH CONSTRUCTION COMPANY
2. Address & Contact Number : N0-7, SAMBAKKULAM, K PUDUR, MADURAI
3. Name of the student : VENKATESHWARAN S
4. Duration : From 03 Dec 2021 To 31 Dec 2021
5. Total No. of days : 23 days
6. Evaluation of Performance criteria shall be on

* Note: Kindly grade the student as per his/her overall performance in the office during the assessment month; which will be converted to the allotted 40 marks by the department.

Description of works	Excellent	Good	Fair	Poor	NA
Understanding of office culture	✓				
Skillsets related to project management	✓				
Design Management	✓				
Understanding the Triple Constraints	✓				
Observation during Site Visits	✓				
Understanding of construction details	✓				
Understanding of Construction sequences	✓				
Site Supervision / Discussion with clients		✓			
Adherence to Time schedule	✓				
Quantitative aptitude	✓				
Documentation skills	✓				
Coordination with other consultants	✓				

Overall Grading*	A
------------------	---

(A – 8.0, B – 7.0, C – 6.0, D – 5.5, E – 5.0, F – <5)

7. Any other Remarks : *Good*

8. Signature of the Head of the Office / Organization (With Seal)



DEPARTMENT OF ARCHITECTURE

M. Arch (Building management)

Continuous Assessment Report for Professional training

(Continuous progress report of the trainee architect/Project Manager for the period of 15 working days in the office to be submitted to HOD by the Trainee in Charge of the Organization)

1. Name of the office / organization : AKASH CONSTRUCTION COMPANY
2. Address & Contact Number : N0-7, SAMBAKKULAM, K PUDUR, MADURAI
3. Name of the student : VENKATESHWARAN S
4. Duration : From 02 Jan 2021 To 10 Jan 2021
5. Total No. of days : 11 days
6. Evaluation of Performance criteria shall be on

* Note: Kindly grade the student as per his/her overall performance in the office during the assessment month; which will be converted to the allotted 40 marks by the department.

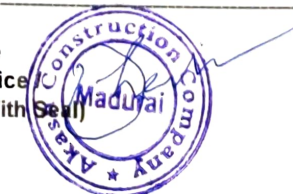
Description of works	Excellent	Good	Fair	Poor	NA
Understanding of office culture	✓				
Skillsets related to project management	✓				
Design Management	✓				
Understanding the Triple Constraints	✓				
Observation during Site Visits	✓				
Understanding of construction details	✓				
Understanding of Construction sequences	✓				
Site Supervision / Discussion with clients	✓				
Adherence to Time schedule	✓				
Quantitative aptitude	✓				
Documentation skills	✓				
Coordination with other consultants	✓				

Overall Grading*	A
------------------	---

(A – 8.0, B – 7.0, C – 6.0, D – 5.5, E – 5.0, F – <5)

7. Any other Remarks : *Good*

8. Signature of the Head of the Office / Organization (With Seal)



WORK DIARY

DAY	PROJECT NAME	WORK DONE	DAY	PROJECT NAME	WORK DONE
03 DEC 2021	JUBITER HOMES	SEWAGE TREATMENT LAYOUT	21 DEC 2021	VIKRAM SCHOOL	BILL OF QUANTITY
04 DEC 2021	JUBITER HOMES	SEWAGE TREATMENT LAYOUT	22 DEC 2021	VIKRAM SCHOOL	SITE VISIT
06 DEC 2021	JUBITER HOMES	SEWAGE TREATMENT LAYOUT	23 DEC 2021	VIKRAM SCHOOL	SITE VISIT
07 DEC 2021	MULTI LEVEL PARKING	STORMWATER DRAIN LAYOUT	24 DEC 2021	VIKRAM SCHOOL	SITE VISIT
08 DEC 2021	MULTI LEVEL PARKING	STORMWATER DRAIN LAYOUT	27 DEC 2021	MAHATMA GLOBALGATEWAY	INTERIOR - BOQ
09 DEC 2021	MULTI LEVEL PARKING	STORMWATER DRAIN LAYOUT	28 DEC 2021	MAHATMA GLOBALGATEWAY	INTERIOR - BOQ
10 DEC 2021	MULTI LEVEL PARKING	STORMWATER DRAIN LAYOUT	29 DEC 2021	MAHATMA GLOBALGATEWAY	INTERIOR - BOQ
11 DEC 2021	VIKRAM SCHOOL	SCHEDULING - MS PROJECT	30 DEC 2021	JUBITER HOMES	SITE VISIT
13 DEC 2021	VIKRAM SCHOOL	SCHEDULING - MS PROJECT	31 DEC 2021	JUBITER HOMES	SITE VISIT
14 DEC 2021	VIKRAM SCHOOL	BILL OF QUANTITY	02 JAN 2022	JUBITER HOMES	SITE VISIT
15 DEC 2021	VIKRAM SCHOOL	BILL OF QUANTITY	03 JAN 2022	JAISEE HOSPITAL	SNAGGING REPORT
16 DEC 2021	VIKRAM SCHOOL	BILL OF QUANTITY	04 JAN 2022	JAISEE HOSPITAL	SNAGGING REPORT
17 DEC 2021	JUBITER HOMES	SITE VISIT	05 JAN 2022	JAISEE HOSPITAL	SNAGGING REPORT
18 DEC 2021	JUBITER HOMES	SITE VISIT	06 JAN 2022	JUBITER HOMES	SITE VISIT
20 DEC 2021	VIKRAM SCHOOL	BILL OF QUANTITY	07 JAN 2022	JUBITER HOMES	SITE VISIT

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GENERAL

Akash Construction Company is one of the leading organizations in Madurai dealing Construction, Project Management and other Architectural services. The firm also deals with real estate and infrastructure management in the respective projects.

FIRM HISTORY

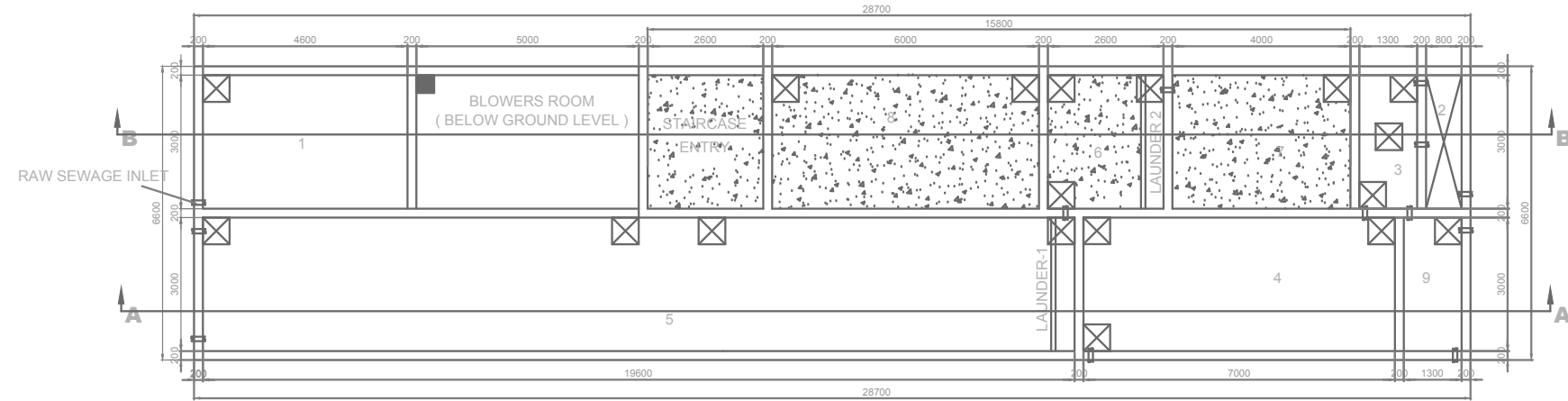
Akash Construction Company has been started by **Mr.V.Krishnamoorthy**, in May 2010

Mr. V. Krishnamoorthy was rendered his services in M/s Srinivasan Associates pvt ltd,(An ISO 9001:2000 Certified Company) Coimbatore, one of the leading Construction companies in Tamilnadu from 1995 to April 2010. He worked as a Project coordinator of the company in Madurai from 1995. As a project coordinator he manages the 35 Engineers, 75 Sub- contractors and nearly 700 labourers

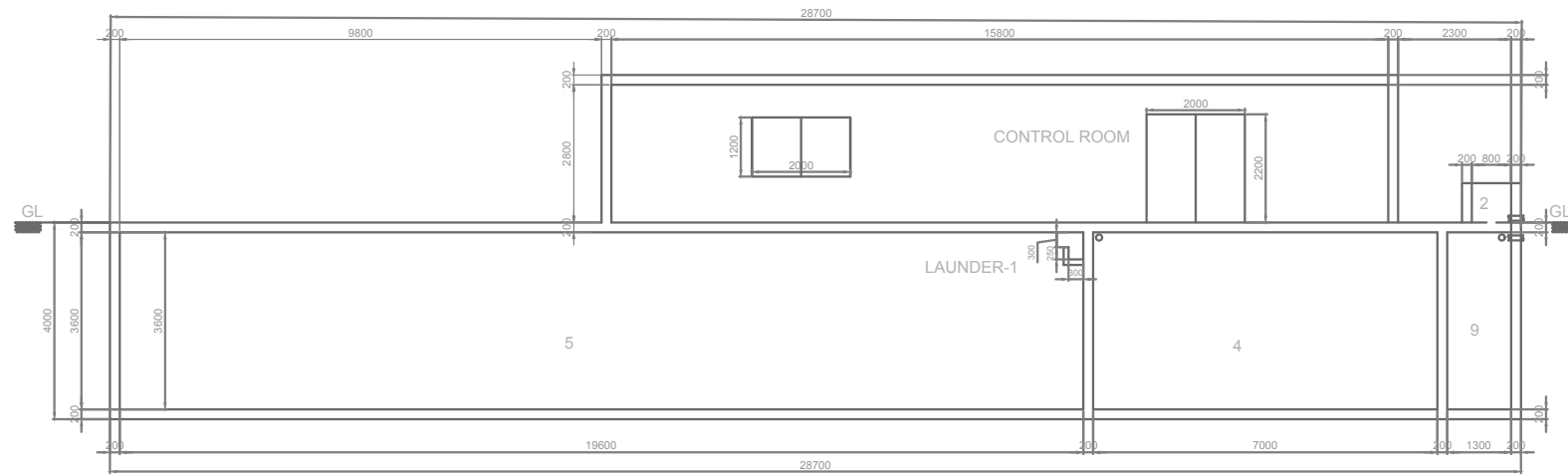
AIM - To create a culture within our company that will in turn create quality-minded employees and then top-quality performance. Akash Construction Company seek to DELIGHT the customers by integrating total quality process throughout the firm, and become the premier provider of construction services, and our customers will be astounded. By continuously improving performance, and to provide their customers with outstanding project performance. And gain distinction through quality. The Management and all our employees are wholly committed to seeing that this total quality process is successful here at ACC.

SEWAGE TREATMENT PLANT - LAYOUT

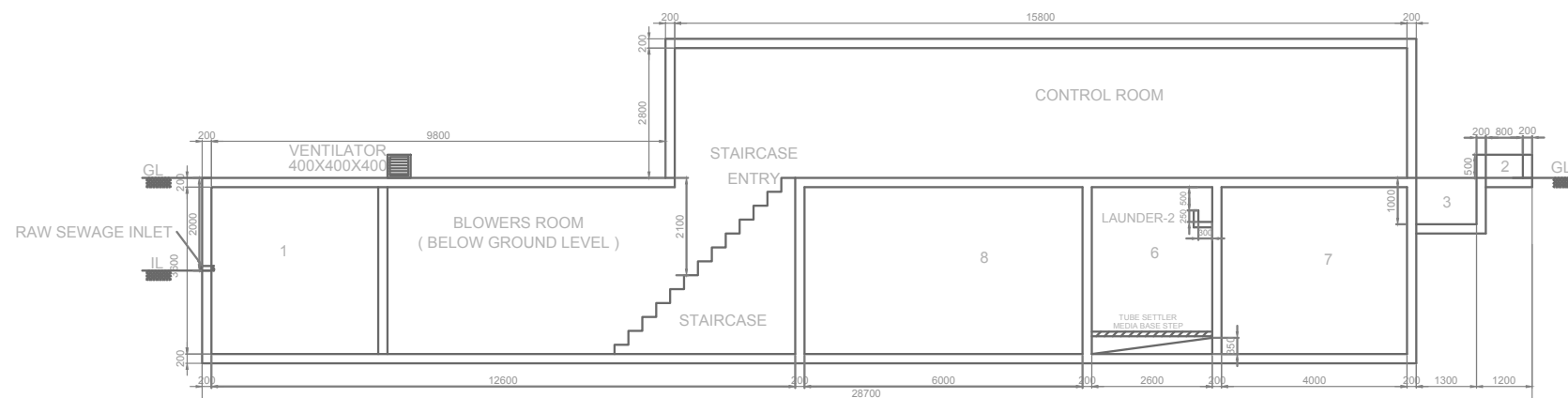
JUBITER HOMES, MADURAI



LAYOUT



SECTION - AA



SECTION - BB

LEGEND

SEWAGE TREATMENT PLANT	
1	INITIAL COLLECTION TANK
2	BAR SCREEN CHAMBER
3	OIL & GREASE CHAMBER
4	PRIMARY SETTLING TANK
5	FLUIDIZED BED BIOREACTOR TANK
6	CLARIFIER TANK
7	CHLORINATION TANK
8	TREATED WATER TANK
9	SLUDGE HOLDING TANK

GL - GROUND LEVEL

IL - INVERT LEVEL

 CONTROL ROOM

NOTES
ALL DIMENSIONS ARE IN MM ONLY UNLESS STATED OR OTHERWISE SPECIFIED
ALL MANHOLE COVERS 600MM X 600MM

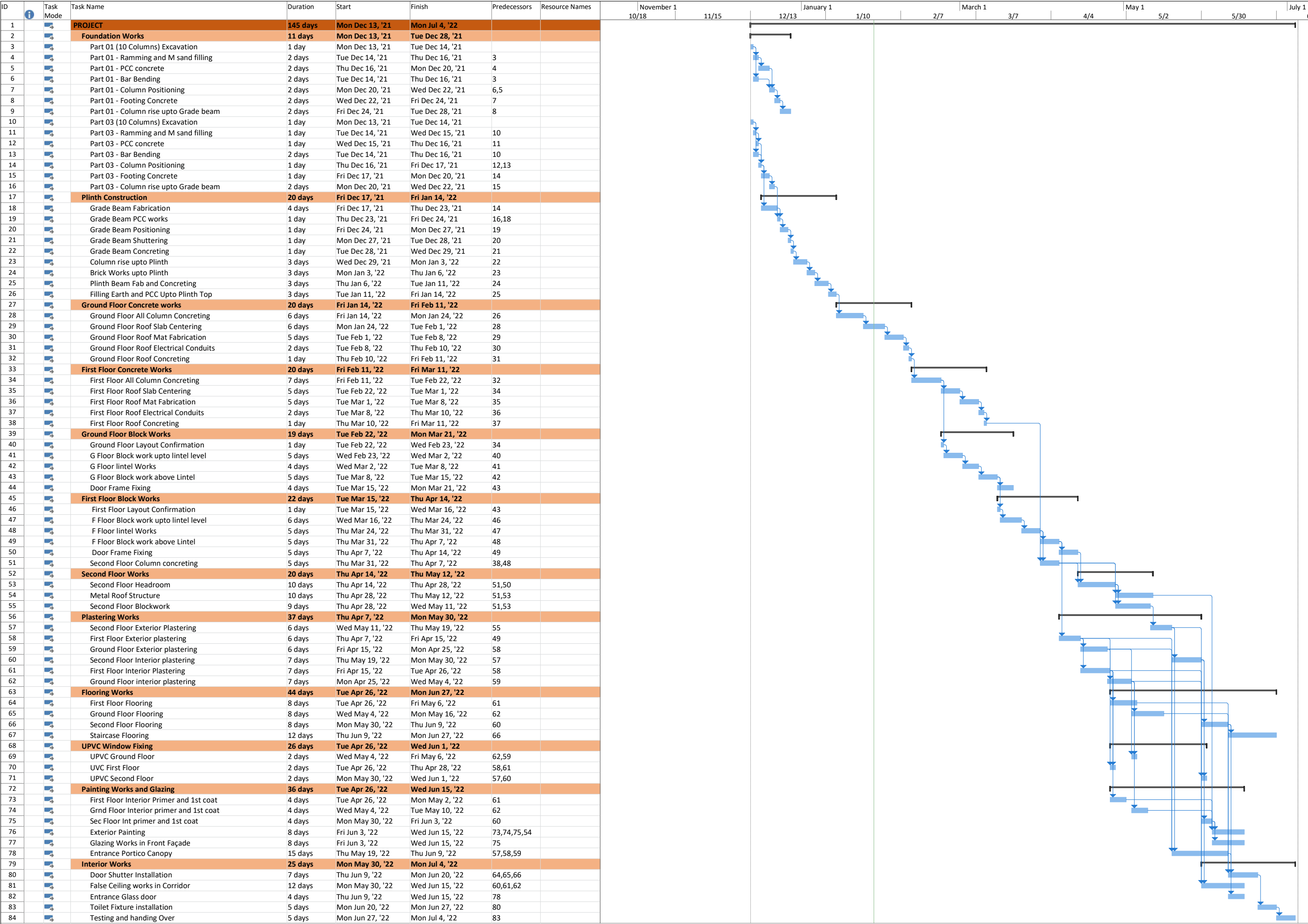
Itemref	Quantity	Title: LAYOUT & SECTIONAL DRAWINGS SEWAGE TREATMENT PLANT - 220KLD			Reference: Yr Data Sheet	
Designed by		Checked by	Approved by - date	File name	Date	Scale NTS
				Client: VIBHAVA HOMES ANDALPURAM, MADURAI		
					Edition	Sheet

STORM WATER DRAIN LAYOUT

MULTI LEVEL CAR PARKING

DRAWING NUMBER	REV
AP-DRAIN-AR-FP-001	R1

VIKRAM SCHOOL
VILLAPURAM, MADURAI



Project: Master Schedule HIS fastt
Date: Fri Jan 28, '22

Task

Split

Milestone

Summary

Project Summary

External Tasks

External Milestone

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

Deadline

Progress

Manual Progress

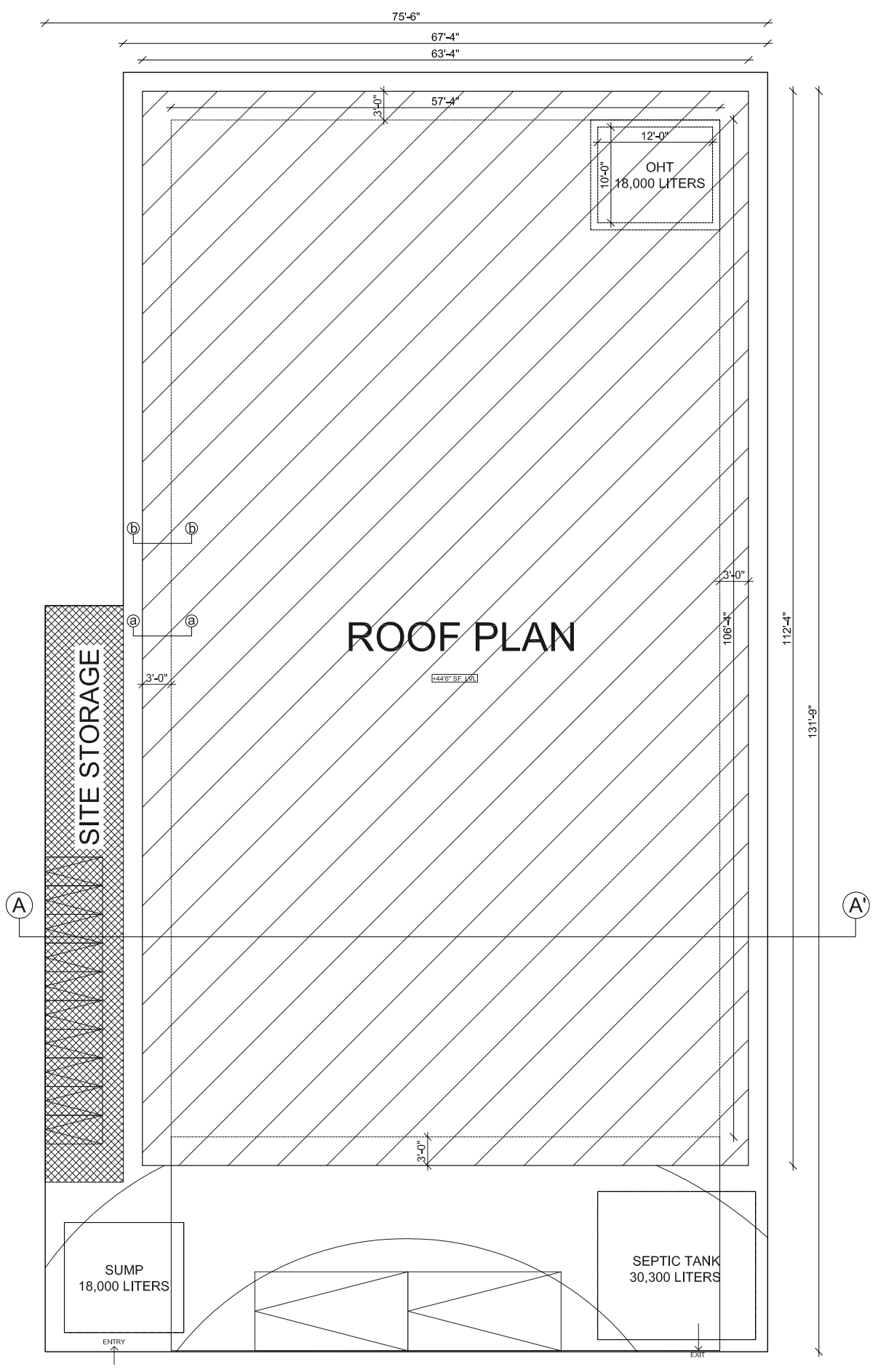
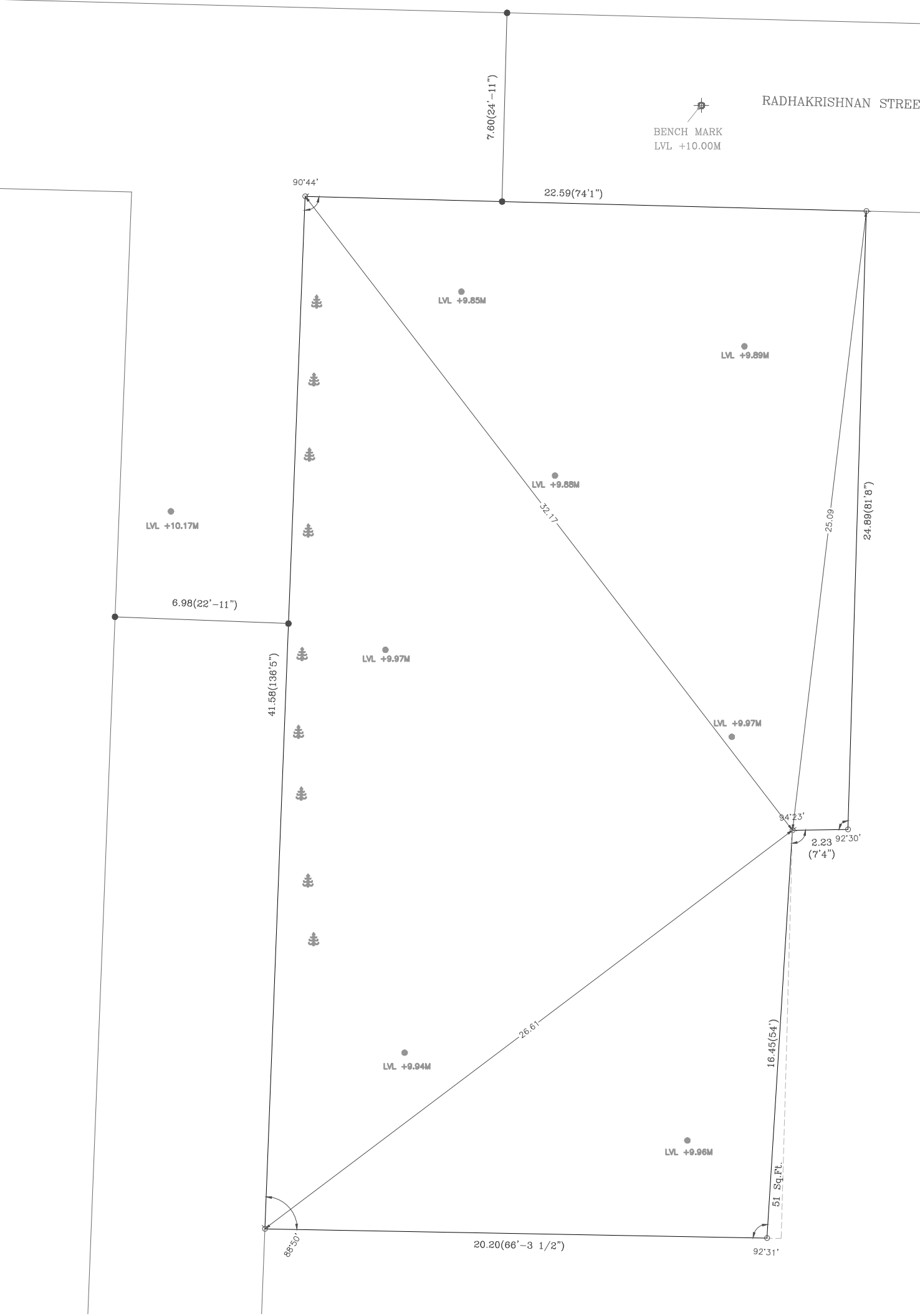
AKASH CONSTRUCTION COMPANY									
PROJECT : PROPOSED SCHOOL PROJECT, VILLAPURAM MADURAI									
General work									
S.No	DESCRIPTION OF WORK	QTY	QUANTITY	10 % wastage	RATE	UNI T	AMOUNT	Amount including 10% wastage	
I	Earthwork								
1	Mass Earth work excavation by mechanical means in all kinds soil including soft, weathered and loose disintegrated rock (excluding hard rock) by JCB / Poclaine, including preparing bed of excavation to the required depth, level, graded camber as directed by the Engineer-in-Charge, carting away / stacking the earth as directed including all men, materials and machineries, including cost of dozing, shoring and dewatering etc., complete as directed by the Engineer -in-Charge	6000	6048.00	6652.80	11.00	Cft	66528.00	73180.80	
2	Supplying and filling of spreading of river sand and chips of approved quality in layers of 300mm thick including cost of sand, transportation for all leads, loading, unloading, spreading in layers at all depths, watering compacting to 90% max dry density as directed.	1480	504.00	554.40	54.00	Sft	27216.00	29937.60	
3	Back filling in the foundations, basement and plinth and etc in 150mm thick layers, watering, ramming and consolidation at all levels(measurement will be on finished work).	1500	16636.00	18299.60	38.00	Cft	632168.00	695384.80	
	Sub total						725912.00	798503.20	
II	Cement concrete								
1	Providing and laying Plain cement Concrete 1 : 4 : 8 (one part of cement, four part of sand and eight parts of good approved 40mm HBG jelly), well mixed and placed in position and consolidated by rammer. The sides and bottom of excavation should have been well rammed with water before laying of concrete. The top of concrete to be made to even level without adding any mortar.cement of make: RAMCO,ACC,CHETTINAD,DALMIA		3552.00	3907.20	155.00	Cft	550560.00	605616.00	
	Sub total						550560.00	605616.00	
III	RCC works								
1	Providing and laying in position of concrete using 12mm to 20mm graded metal and good river sand and OPC cement 43 grade resistance cement as approved by the Architects, including formwork, all leads and lifts, scaffolding wherever required, its removal after the period of setting of concrete , curing but excluding cost of steel reinforcement placed in posiion (paid for separately) all as per the drawings / specification etc all complete.								
	RCC M25 Grade								
a	in columns in footings	900	2436.00	2679.60	160.00	Cft	389760.00	428736.00	
								0.00	
d	in columns in super structure Ground floor	200	1260.00	1386.00	167.00	Cft	210420.00	231462.00	
e	in columns in super structure F.F	220	1260.00	1386.00	166.00	Cft	209160.00	230076.00	
f	in columns in super structure S.F	220	656.00	721.60	169.00	Cft	110864.00	121950.40	
	RCC M20 Grade							0.00	
a	In plinth beam	380	3135.00	3448.50	155.00	Cft	485925.00	534517.50	
b	In Slabs Ground floor	820	2781.00	3059.10	165.00	Cft	458865.00	504751.50	
c	In Slabs F.F	860	3048.00	3352.80	169.00	Cft	515112.00	566623.20	
g	In Beams Ground floor	340	3135.00	3448.50	165.00	Cft	517275.00	569002.50	

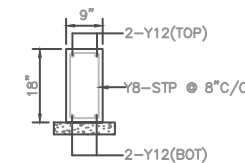
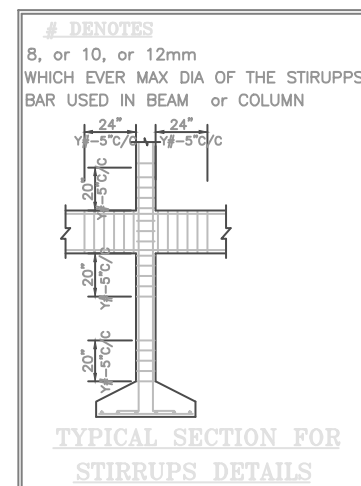
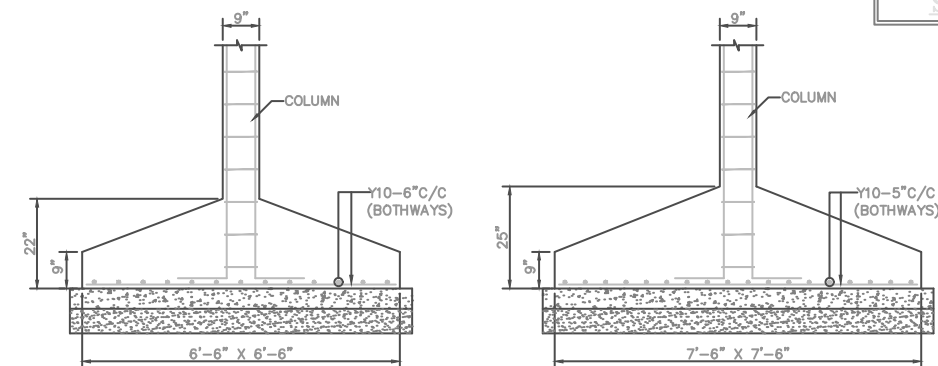
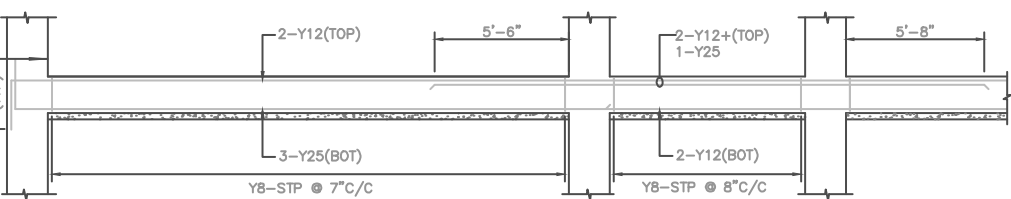
h	In Beams F.F	360	3135.00	3448.50	165.00	Cft	517275.00	569002.50	
l	In lintels	35	280.00	308.00	165.00	Cft	46200.00	50820.00	
u	In Staircase	55	300.00	330.00	180.00	Cft	54000.00	59400.00	
	sub total						3514856.00	3866341.60	
IV	Steel and its fabrication								
1	Providing, cutting, bending and tying in position including straightening, of Grade Fe- 500 for steel reinforcement in R.C.C works, including cost of two strands of 18 SWG GI binding wire etc. complete. The rate to be quoted is for finished item of works. Steel make: ARS Steel, SUJANA, TULSYAN or equivalent.	27.50	84.34	92.77		TN	0.00	0.00	
	sub total						0.00	0.00	
V	Brickwork								
1	Providing and laying brickwork with First quality stock bricks of designation 50 in cement mortar 1:5 (1 cement : 5 coarse sand) in superstructure at all heights (9" thickness without plastering). The rate to be quoted will include cost of scaffolding, racking the joints to make key for plastering, instantaneous curing for a period of not less than 21 days and the rate to include all tools and plants, materials all required for first quality work etc. complete in all floors.								
	In Ground floor	580	3210.00	3531.00	146.00	Cft	468660.00	515526.00	
	In First floor	1030	3030.00	3333.00	146.00	Cft	442380.00	486618.00	
	In Second floor	1030	2475.00	2722.50	153.00	Cft	378675.00	416542.50	
	115mm brickwork in CM 1:4								
	Brickwork 115mm wide in Cement Mortar 1 : 4 (One part of Cement and Four parts of good Granular River Sand free from foreign impurities) with 2 Nos. 6mm M.S Rods at every fifth layer including all leads and lifts etc. complete. The rate to include necessary scaffolding curing, racking the joints to form key to receive plastering all as directed at site.								
	In super structure in Ground floor	110	5310.00	5841.00	161.00	Sq.ft	854910.00	940401.00	
	In super structure in First floor	1020	4780.00	5258.00	163.00	Sq.ft	779140.00	857054.00	
	In super structure in Second floor	1020	3610.00	3971.00	165.00	Sq.ft	595650.00	655215.00	
e	Steps brick work with C.M.1:3	80	75.00	82.50	145.00	cft	10875.00	11962.50	
	sub total						3530290.00	3883319.00	
VI	Plastering								
1	Prepare surface and plaster the inner surfaces of walls , R.C.C surfaces contiguous to masonry with cement mortar 1 : 5, 12mm thick using good river sand, including patch plaster etc. The rate to include apart from the above the cost of providing chicken mesh at RCC / Brick work junctions and over electrical conduits, scaffolding, curing, tools and plants etc. complete in all floors.	14000	31674.00	34841.40	23.00	Sq.ft	728502.00	801352.20	
2	Prepare surface and plaster the external surfaces of walls , R.C.C surfaces contiguous to masonry with cement mortar 1 : 5, 12mm thick using good river sand, including patch plaster etc. The rate to include apart from the above the cost of scaffolding, curing, tools and plants etc. complete in all floors.	10500	9590.00	10549.00	25.00	Sq.ft	239750.00	263725.00	
3	Prepare surface and plaster the surfaces of ceiling, R.C.C surfaces contiguous to masonry with cement mortar 1 : 5, 12mm thick using good river sand, including patch plaster etc. The rate to include apart from the above the cost of scaffolding, curing, tools and plants etc. complete in all		12190.00	13409.00	23.00	Sq.ft	280370.00	308407.00	
	Sub total						968252.00	1065077.20	
VII	Flooring								

	Note : All flooring materials size, colour and shade are approved by Architects before procurement in site.								
1	Providing and fixing vitrified tiles 600 x 600 mm with 8mm thickness in flooring(rooms and balcony) in CM 1:4, with thin joints so as to form a true and even surface and joints finished neatly with mixed with matching pigments all complete as directed.make KAJARIA or equivalent.		14830.00	16313.00	120.00	Sq.ft	1779600.00	1957560.00	
2	Providing and fixing vitrified tiles100mm high of approved quality in skirting (along tiling,balcony,staircase)in CM 1:4, with thin joints so as to form a true and even surface and joints finished neatly with mixed with matching pigments all complete as directed.make KAJARIA or equivalent.	950	2715.00	2986.50	70.00	Rft	190050.00	209055.00	
3	Providing and laying Anti-skid Ceramic flooring for bathroom of approved colour and shade and approved make Kajaria in cement mortar 1 : 3 - 20mm thick including pointing the joints with white cement, cleaning with Acid with all lead, lifts etc., in all floors. The sample tiles has to be approved by the client for make, colour and shade.	650	975.00	1072.50	95.00	Sq.ft	92625.00	101887.50	
4	Providing and dadoing to walls with colour glazed tiles with Cement Mortor 1 : 3 with motif tile at required two levels and the joints are pointed out with white cement neatly etc. complete . The shade and make of the tiles are to be approved by the Architects (Johnson / Kajaria / Asian/ Nitco or equivalent make) in all floors.	2500	3752.00	4127.20	100.00	Sq.ft	375200.00	412720.00	
5	Providing and laying Granite of 20mm thickness with nosing over a bed of Cement Mortor 1 : 4 using one part of Cement and four parts of good granular river sand, joints are mitrated, the quality of stones should be approved by the Engineer incharge of the work. The rate to include the cost of all leads, lifts, wastages, tools and plants, curing, transport, Taxes, necessary bull nosing etc complete as directed by the client. The granite basic cost at the rate of Rs.130 per sft.Granite texture: Jet black,galaxy black or Himalayan blue.	400	1040.00	1144.00	300.00	Sq.ft	312000.00	343200.00	
6	External paving block (Approximate area) - including base pit sand filling 2'0" and sand filling -6" thk etc., all complete.Basic cost of paver block Rs.28 per sft.	1830		0.00	243.00	Sq.ft	0.00	0.00	
	sub total						2749475.00	3024422.50	
VIII	Carpentry and Joinery								
	Doors - Ground , First, & Second floor								
	5'0" x 7'6" -4nos(D1)		150.00	165.00	750.00	Sft	112500.00	123750.00	
	4'0" x 7'6" -31nos(D2)		930.00	1023.00	750.00	Sft	697500.00	767250.00	
	3'0" x 7'6" -8nos(D3)	96	180.00	198.00	750.00	Sft	135000.00	148500.00	
	2'6" x 7'6" -16nos(D4)		300.00	330.00	750.00	Sft	225000.00	247500.00	
	Sub total						1170000.00	1287000.00	
	Windows - Ground , First, & Second floor								
	6'0" x 4'6" - 22 nos (w1)	144	594.00	653.40	540.00	Sft	320760.00	352836.00	
	5'0" x 4'6" - 2nos (w2)	182	45.00	49.50	510.00	Sft	22950.00	25245.00	
	3'0" x 4'6" - 4 nos (w3)		54.00	59.40	510.00	Sft	27540.00	30294.00	
	Sub total						371250.00	408375.00	
IX	Painting								
1	Preparing the surface and applying Birla Putty or equivalent make approved by Architect with 2 or more coats of Acrylic Emulsion for all internal walls over one coat of primer of approved quality, make Asian paints premium emulsions or equivalent approved by the Architect etc. to get even shade for all internal walls including necessary scaffolding etc complete as directed by Engineer - in - charge. The surface shall be true to plumb after painting.	14000	31674.00	34841.40	27.00	Sft	855198.00	940717.80	

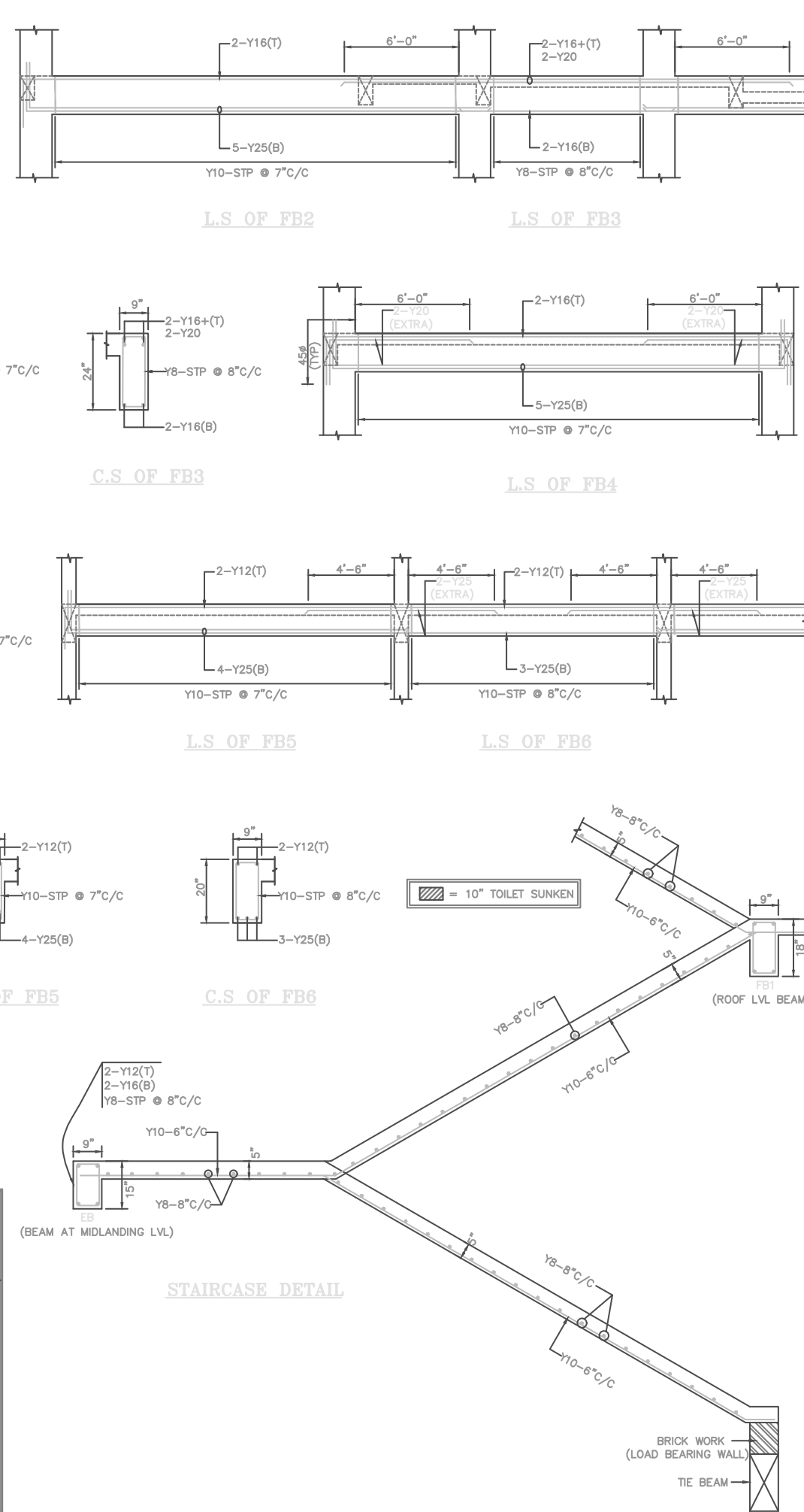
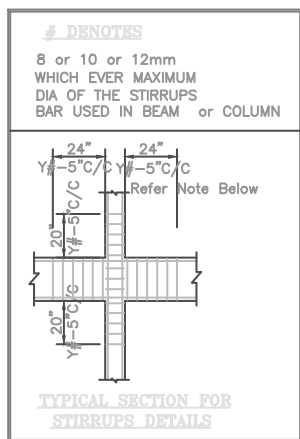
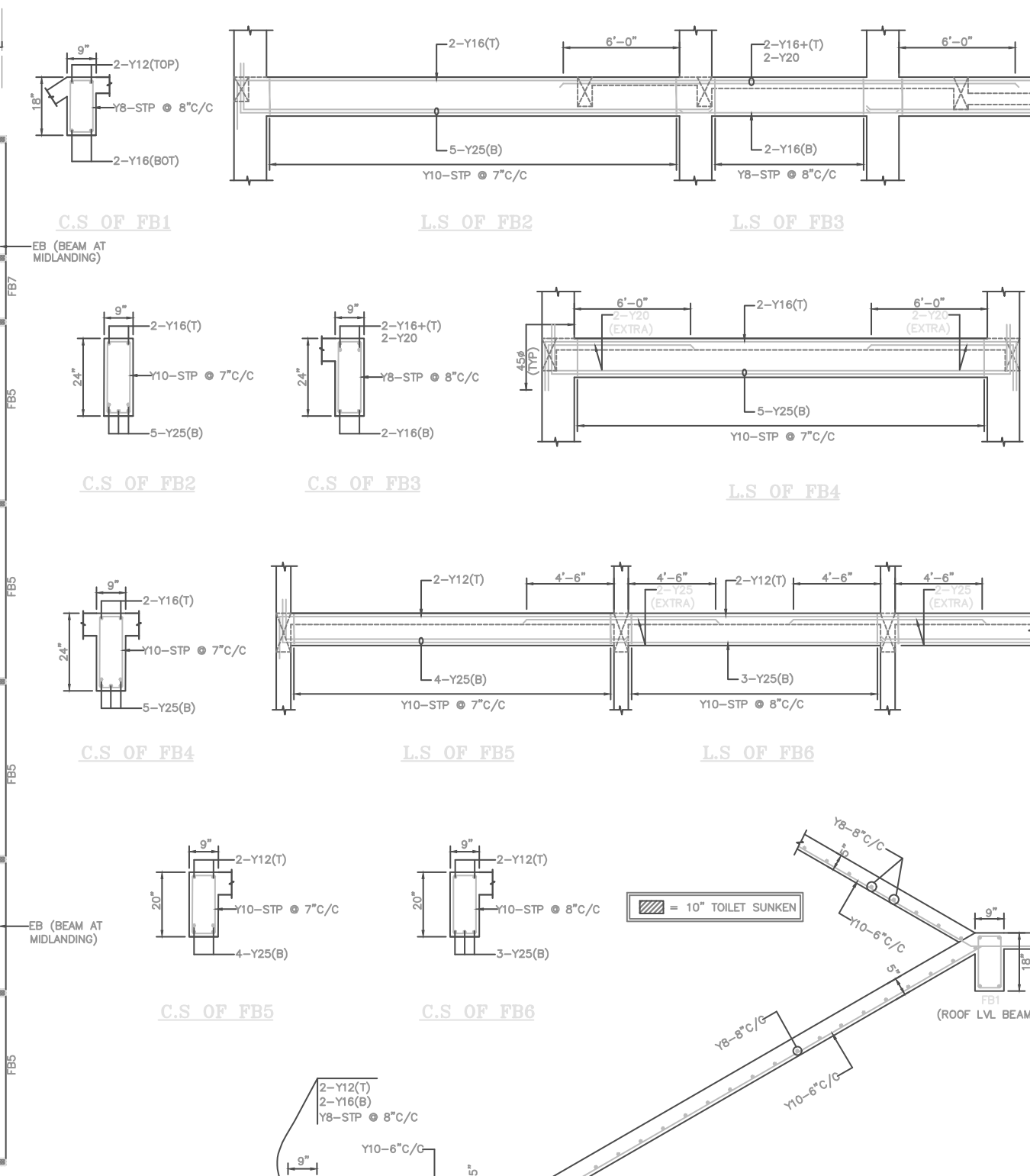
	2	Preparing the surface and applying 2 coats of exterior Emulsion Paint for all Outside Plastered area over one coat of primer of approved quality,of make Asian paints/ace emulsions etc. to get even shade for all walls including necessary scaffolding in all floors complete as directed by Engineer - in - charge. The surface shall be true to plumb after painting.	10500	9590.00	10549.00	25.00	Sft	239750.00	263725.00	
	3	Preparing the surface and applying Birla Putty or equivalent make approved by Architect with 2 or more coats of Acrylic Emulsion for all ceiling over one coat of primer of approved quality, make Asian paints premium emulsions or equivalent approved by the Architect etc. to get even shade for all internal walls including necessary scaffolding etc complete as directed by Engineer - in - charge. The surface shall be true to plumb after painting.		12190.00	13409.00	24.00	Sft	292560.00	321816.00	
	Sub total							1094948.00	1204442.80	
X	Roofing									
	1	Galvalume corrugated roofing sheets with under deck insulation supported by ms columns		6766.00	7442.60		Sft	0.00	0.00	
	2	Canopy		1280.00	1408.00		Sft	0.00	0.00	
	Sub total							0.00	0.00	
XI	Miscellaneous									
	Glazing			840.00	924.00		Sft	0.00	0.00	
	Total civil work							13505543.00	16143097.30	
XII	Electrical work in cluding 3phase supply 10% (Total civil work)									
	Electrical Conduiting ,wiring, Switches cum sockets(anchor roma series) and cabling(molex), D.B.Panels(legrand), MCB etc.,all complete							1350554.30	1485609.73	
XIII	Plumbing work (Tota civil work 8%)									
	sanitary fittings of make KOHLER									
	a) WC AREA-									
	1) 13945IN-S-0(Brive plus wall-hung toilet with quiet-close seat and cover in white) , 8752IN-S-0(ODEON Wall hung toilet with quiet seat & cover							1080443.44	1188487.78	
	2) 41781N-2S-NA(Hydro tower inwall tank 3/6 lt-side inlet), 4177IN-2-CP(Inwall face plate)									
	3) 1046327(WC Connector)									
	4)1213309-0(Rack bolts 12mm)									
	5)12927IN-CP(Deco contemporary health faucet with metal hose in polished chrome									
	6) 11568IN-7-CP(small G 1/2 " Angle valve in polished chrome)									
	b) Wash Basin Area-									
	1)5583IN-1WH-0(BRIVE+450MM WM LAV SGL HOLE)									
	2)7314IN-CP(Bottle Trap with 300mm horizontal pipe)									
	3)99452IN-4-CP(KUMIN PILLAR TAP)									
	4)45432IN-CP(Grid Drain In Polished Chrome)									
	5)11568IN-7-CP(Small G1/2" Angle Valve In Polished Chrome)									
	c) Shower Area-									
	1)16356IN-A-CP(Single-function showerhead in Polished Chrome(with shower arm and flange))									
	2)882IN-CP(Valve 1-handle,recessed with diverter)									
	3)99472IN-4FP-CP(KUMIN RECESSED BATH & SHOWER TRIM)									
	4)99467in-cp(KUMIN BATH SPOUT W/O DIVERTER)									

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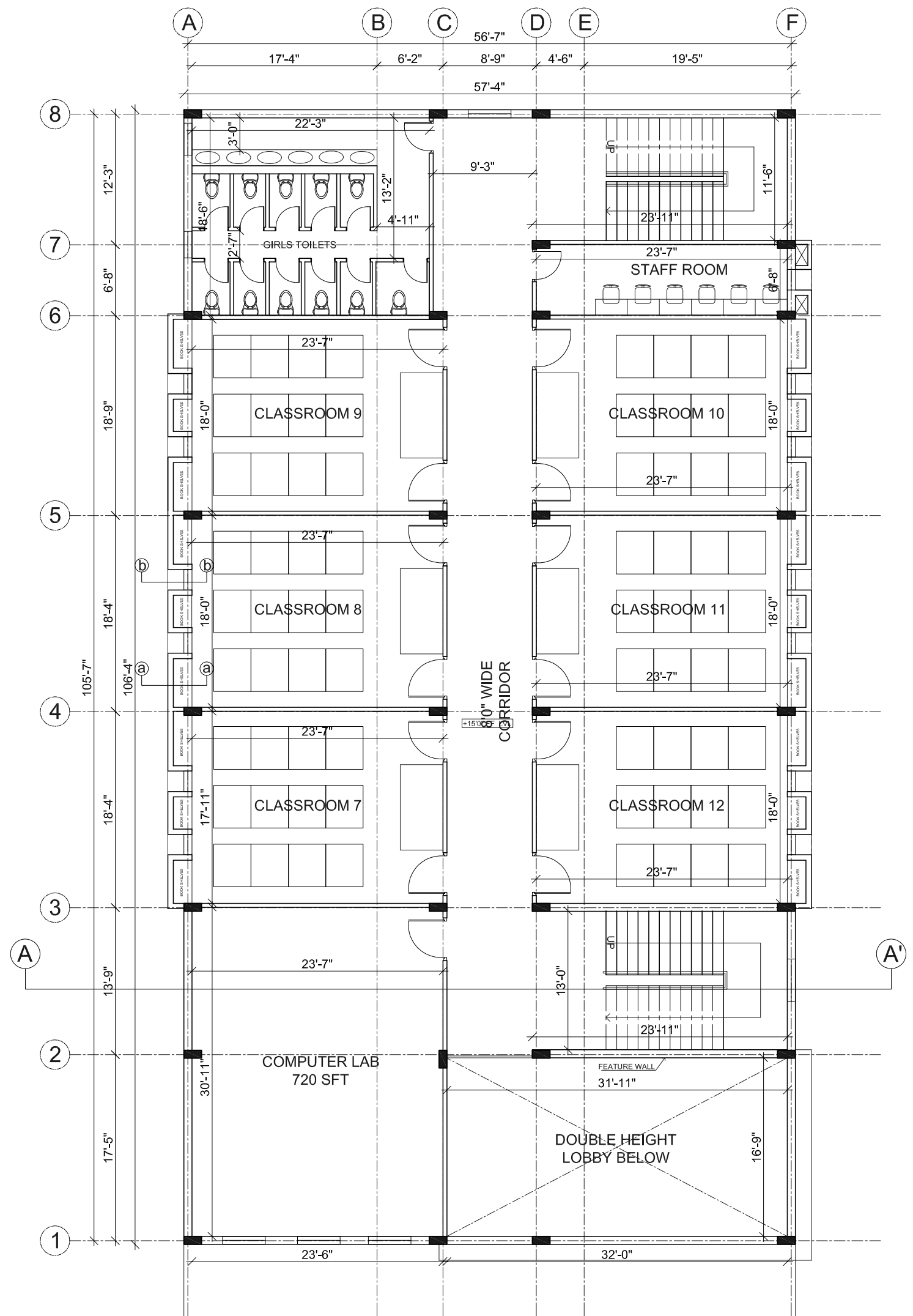
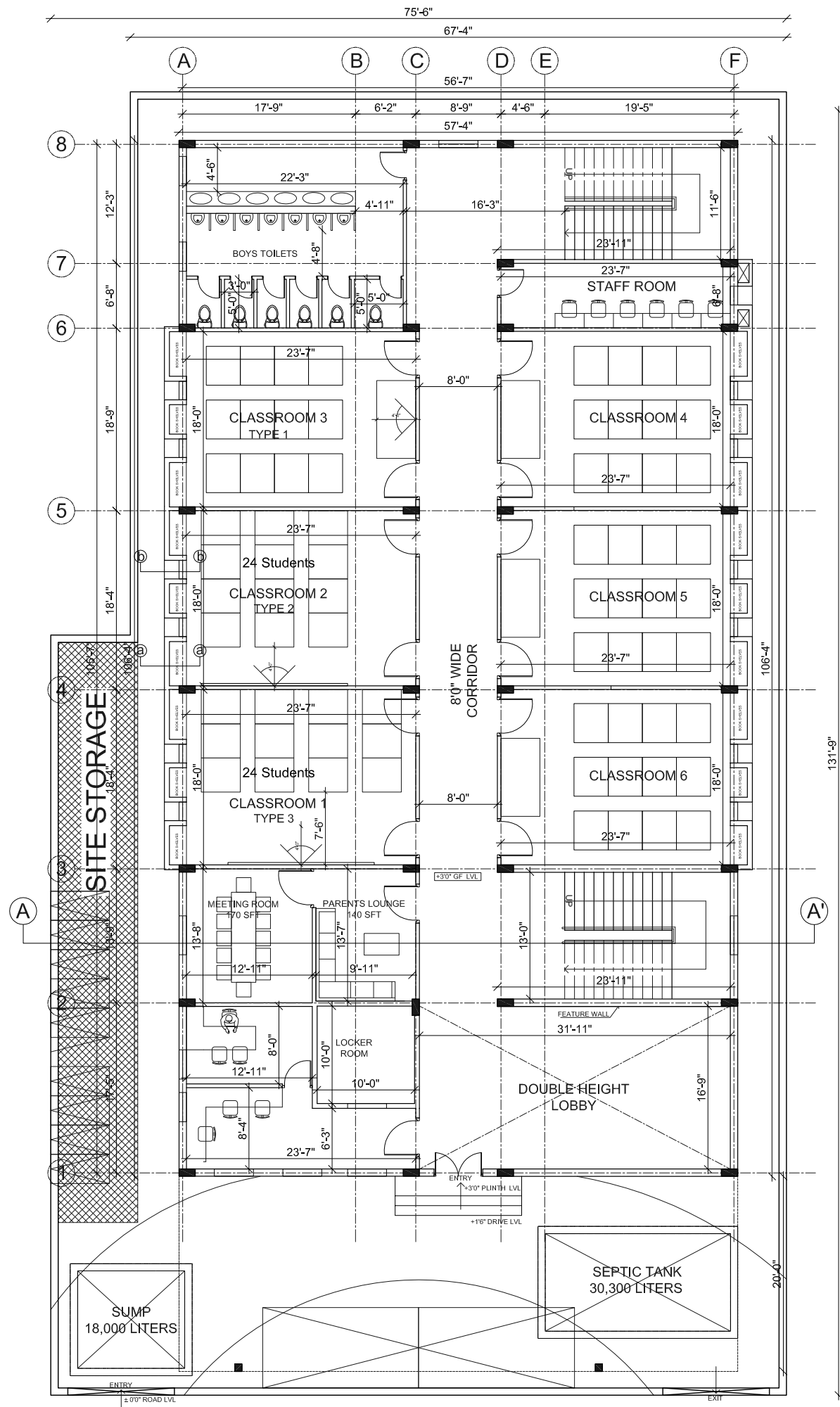


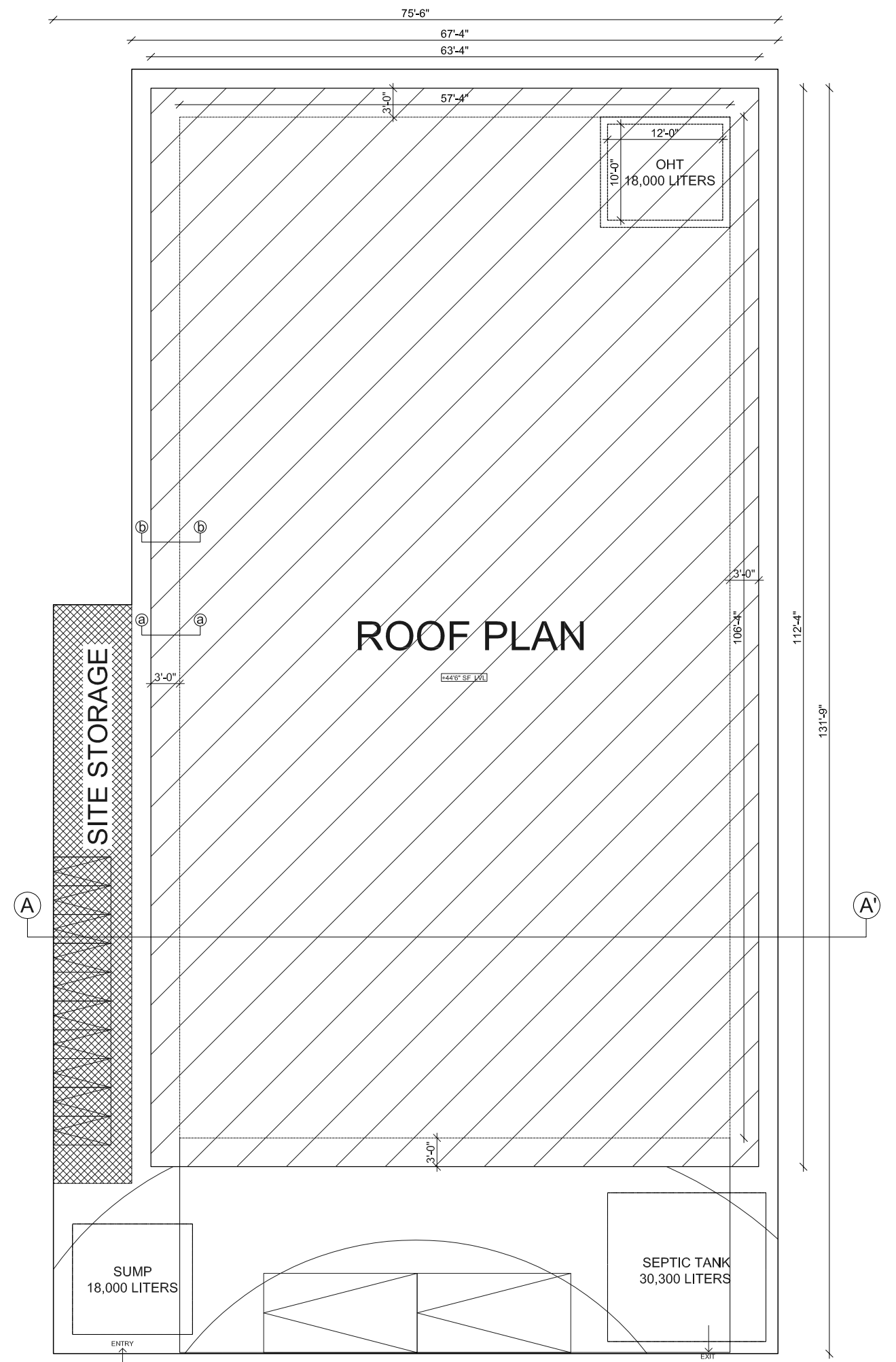
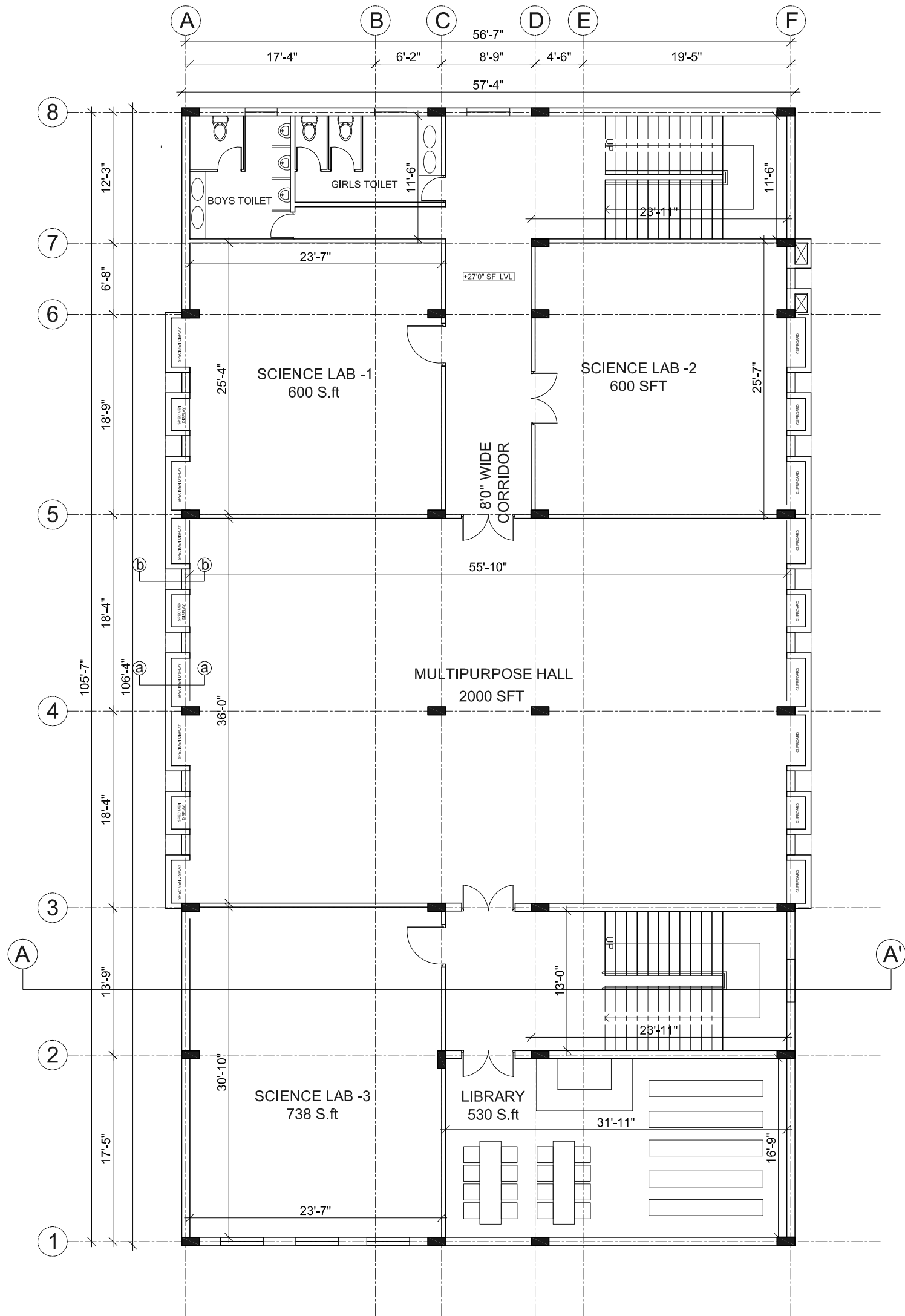


FILE NAME



NOTES		G+2	
• REFER ARCH. DWG. FOR CENTRE LINE DIMENSIONS. • CONCRETE MIX SHALL BE M30 FOR COLUMN & M25 • FOR ALL OTHER R.C.C WORKS, • ALL REINFORCEMENTS ARE OF Fe500 GRADE.			
CLEAR COVER TO MAIN REINFORCEMENT SHALL BE			
(i) FOOTING	50mm		
(ii) COLUMN	40mm		
(iii) TIE BEAM	25mm		
• LAP LENGTH SHALL BE 50 x DIA OF THE BAR			
R.1	REVISED AS PER INST	07.12.2021	
R.N	Description of Revision	Date	Revised By
<u>STRUCTURAL CONSULTANT</u>			
ALIF STRUCTURES JBABITHA BANU STRUCTURAL ENGINEER ANNA NAGAR Madurai, Tamil Nadu, India PH. NO. 0452- 2481 07 45, 2486746.			
<u>BUILDERS</u>			
AKASH CONSTRUCTION COMPANY			
<u>CLIENT</u>			
MR, RAMAKRISHNAN			
<u>PROJECT TITLE</u>			
PROPOSED SCHOOL BUILDING AT VILLAPURAM			
<u>DRAWING TITLE</u>			
FOUNDATION DETAIL			
<u>DWG NO</u>			
DSND			
DRN			
DATE	07.12.2021		
SCALE	1 : 8		
FILE NAME			





MAHATMA GLOBAL GATEWAY

VEERAPANJAN, MADURAI

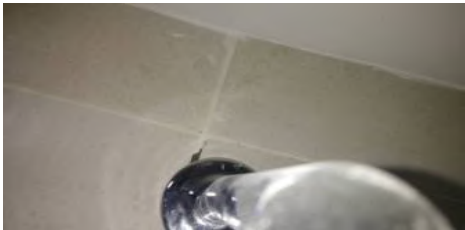
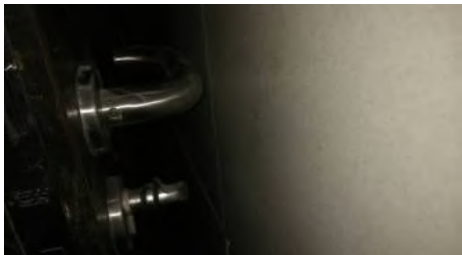
PROJECT NAME:	MAHATMA GLOBAL GATEWAY, MADURAI						
TOTAL BUILT-UP AREA:	18285 SQ.FT						
SITE LOCATION:	MADURAI, TAMILNADU						
PROJECT COSTING & SPECIFICATIONS							
S.NO	DESCRIPTION	UNITS	ACTUAL	QTY	TOTAL	RATE	AMOUNT
	FALSE CEILING						
	CORRIDOR (plain gypsum false ceiling with suspnded MDF designer board finished with duco paints and light fixtures attached to it)	SQ.FT		705	1410	345	Rs. 486,450.00
	RECEPTION (plain gypsum designer false ceiling with 10mm gypsum board of make GYPROC from saint gobain. The false ceiling will have cove lighting, grill board integration, acrylic back lighting as desired and as per architect design intent)	SQ.FT		261	261	165	Rs. 43,065.00
	LIBRARY (plywood false ceiling finished with laminate as per design intent)	SQ.FT		716	716	295	Rs. 211,220.00
	MULTIPURPOSE HALL(plain gypsum designer false ceiling with 10mm gypsum board of make GYPROC from saint gobain. The false ceiling will have cove lighting, grill board integration, acrylic back lighting as desired and as per architect design intent)	SQ.FT		2014	2014	165	Rs. 332,310.00
	COMPUTER LAB (designer gypsum false ceiling with puzzle pattern as per design intent)	SQ.FT		536	536	265	Rs. 142,040.00
	TOTAL	SQ.FT			4937		Rs. 1,215,085.00
	FLOORING						
	RECEPTION (granite flooring with 20mm polished jet black granite in combination with sadarali grey granite layed as per specific design intent)	SQ.FT	RECEPTIO	261	261	360	Rs. 93,960.00
	TOTAL	SQ.FT			261		Rs. 93,960.00
	WALL LAMINATES						
	RECEPTION (wall claded with plywood backing and finished with metal laminate, high gloss laminate and matt finish laminate as per design intent)	SQ.FT		560	560	790	Rs. 442,400.00
	WALL PAPER IN MP HALL (laminate claded boxing work with 1.5mm thk laminate claded on top of 12mm thk commercial plywood boxing upto height of 4' and above that wall finished with impoted wall paper with washable texture as per specific design intent)	SQ.FT		1286	1286	465	Rs. 597,990.00
	TOTAL	SQ.FT			1846		Rs. 1,040,390.00

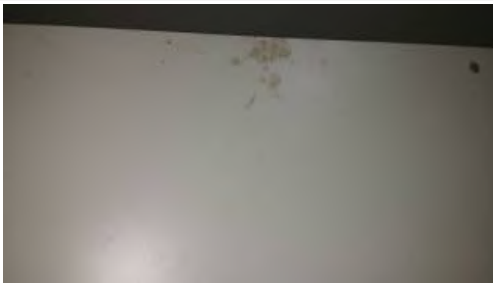
	FURNITURE						
	RECEOTION DESK (custom design as per drawing)	NOS.		1	1	LS	Rs. 79,000.00
	RECEPTION SOFA SETS (HDFPU foam finished with high quality leatheritr material as per design intent with SS legs with support pillows all inclusive)	NOS.		10	10		Rs. 23,000.00
	RECEPTION TABLES (designer lacquered glass coffee table)	NOS.		4	4		Rs. 28,000.00
	CLASS ROOM DESK (to be selected from godrej interio or equiv)	NOS.		12	12	TBQ	BUY CLINT
	LAB DESK(to be selected from godrej interio or equiv.)	NOS.		3	3		BUY CLINT
	STUDENT CHAIR TABLE SETS(to be selected from godrej interio or equiv.)	NOS.		12	144		BUY CLINT
	TOTAL				174		Rs. 130,000.00
	BOOK SHELVES						
	CLASS ROOM (made of 18mm commercial ply finished with 0.8mm inner white laminate and shutters finished with 1mm high gloss laminate with 2mm PVCH banding with standard hardwares as required and as per design intent)	SQ.FT		115.25	1383	1450	Rs. 2,005,350.00
	LIBRARY (carcass made of 19mm BWR ply finished with 1mm thk laminate with all sides)	SQ.FT		28	448	1250	Rs. 560,000.00
	STAFF ROOM (made of 18mm commercial ply finished with 0.8mm inner white laminate and shutters finished with 1mm high gloss laminate with 2mm PVCH banding with standard hardwares as required and as per design intent)	SQ.FT		89	89	1450	Rs. 129,050.00
	ADMIN AREA (made of 18mm commercial ply finished with 0.8mm inner white laminate and shutters finished with 1mm high gloss laminate with 2mm PVCH banding with standard hardwares as required and as per design intent)	SQ.FT		31	31	1450	Rs. 44,950.00
	MULTIPURPOSE HALL (made of 18mm commercial ply finished with 0.8mm inner white laminate and shutters finished with 1mm high gloss laminate with 2mm PVCH banding with standard hardwares as required and as per design intent)	SQ.FT		110	110	1450	Rs. 159,500.00
	TOTAL	SQ.FT			2061		Rs. 2,898,850.00
	WORK STATIONS (2X4) EACH						
	COMPUTER LAB	NOS.		25	25		BUY CLIENT
	STAFF ROOM	NOS.		14	14		BUY CLIENT
	ADMIN AREA	NOS.		4	4		BUY CLIENT
	TOTAL	NOS.			43		BUY CLIENT
	CHAIRS						
	REVOLVING CHAIRS	NOS.		80	80		BUY CLIENT
	LIBRARY CHAIRS	NOS.		24	24		BUY CLIENT

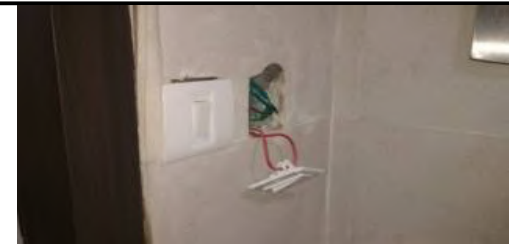
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JAISEE HOSPITAL,
S.S COLONY, MADURAI

HOSPITAL STILT FLOOR REST ROOM SNAG LIST

Sl.No	Floor	Location	Description	Photo	Status as on 29-12-21
1	Stilt floor	Gents rest room	One no partition for urinal not yet fixed		Pending
2	Stilt floor	Gents rest room	Tap not yet fixed properly		Pending
3	Stilt floor	Gents rest room	Wall tile grouting work not yet finished properly		Pending
4	Stilt floor	Gents rest room	Handle damaging the wall Door stopper not fixed properly		Pending
5	Stilt floor	Gents rest room	Trap door not yet fixed		Pending
6	Stilt floor	Gents rest room	Unwanted hole in the floor (below the bath room door frame)		Pending

7	Stilt floor	Gents rest room	Switch socket not fixed properly		Pending
8	Stilt floor	Gents rest room	Ball Valve along with the pipe needs to be cleaned above false ceiling (its filled by cement)		Pending
9	Stilt floor	Gents rest room	Ceiling finishing and painting work not yet done properly		Pending
10	Stilt floor	Gents rest room	WC partition needs to be cleaned properly		Pending
11	Stilt floor	Gents rest room shower area	Above false ceiling wall needs to be pasted properly		Pending
12	Stilt floor	Gents rest room	Exhaust duct not seated properly needs to be corrected.		Pending
13	Stilt floor	Gents rest room	Door work not yet finished properly		Pending

14	Stilt floor	Gents rest room	Fresh air grill not yet fixed in the main door and bath room door		Pending
15	Stilt floor	Gents rest room	Raw power supply not yet provided		Pending
16	Stilt floor	Gents rest room	Some of the water taps and shower water flow not available.		Pending
17	Stilt floor	Gents rest room	Wall near door frame needs to be cleaned properly		Pending
18	Stilt floor	Ladies rest room	Trap door not yet fixed at bath room Wash basin area		Pending
19	Stilt floor	Ladies rest room	Fresh air grill not yet fixed in the main door and bath room door		Pending
20	Stilt floor	Ladies rest room	Raw power supply not yet provided		Pending
21	Stilt floor	Ladies rest room	Grouting needs to be carried out properly at wall and floor side		Pending

[illegible]

SITE PHOTOS





