

D.A.V. PUBLIC SCHOOL, BISTUPUR, JAMSHEDPUR

Ref. No. DAVPS/85/24

Date:- 8-04-2024

QUOTATION INVITED

Sealed Quotations are invited for the new construction of 12 classrooms of school campus.

The BOQ & Drawing of 12 classrooms is attached

The Quotation Should be sent through speed post/regd.post/by hand for 12 classrooms as per BOQ

The last date of submission of sealed quotation is on Before 15/05/2024

Note:- Site visit is compulsory before quoting otherwise Quotation will be rejected. Contact the office for the same between 9 am to 2 pm

Website:- www.davbistupur.org,

E-mail ID: dav.bistupur@gmail.com, Principal@davbistupur.org

Signature of Members of Purchase Committee

Signature.

1. Mrs. Susmita Basu, PGT *S Basu*
2. Mr. Santosh Kumar Samanta, PGT *Santosh*
3. Mr. Dhitesh Sharma, TGT *Dhitesh*
4. Mr. Arvind Kumar Sharma, PRT *Arvind*
5. Mrs. Alka Kumari, UDC *Alka*

Abhinav
Abhinav Chauhan
J. E (Civil)

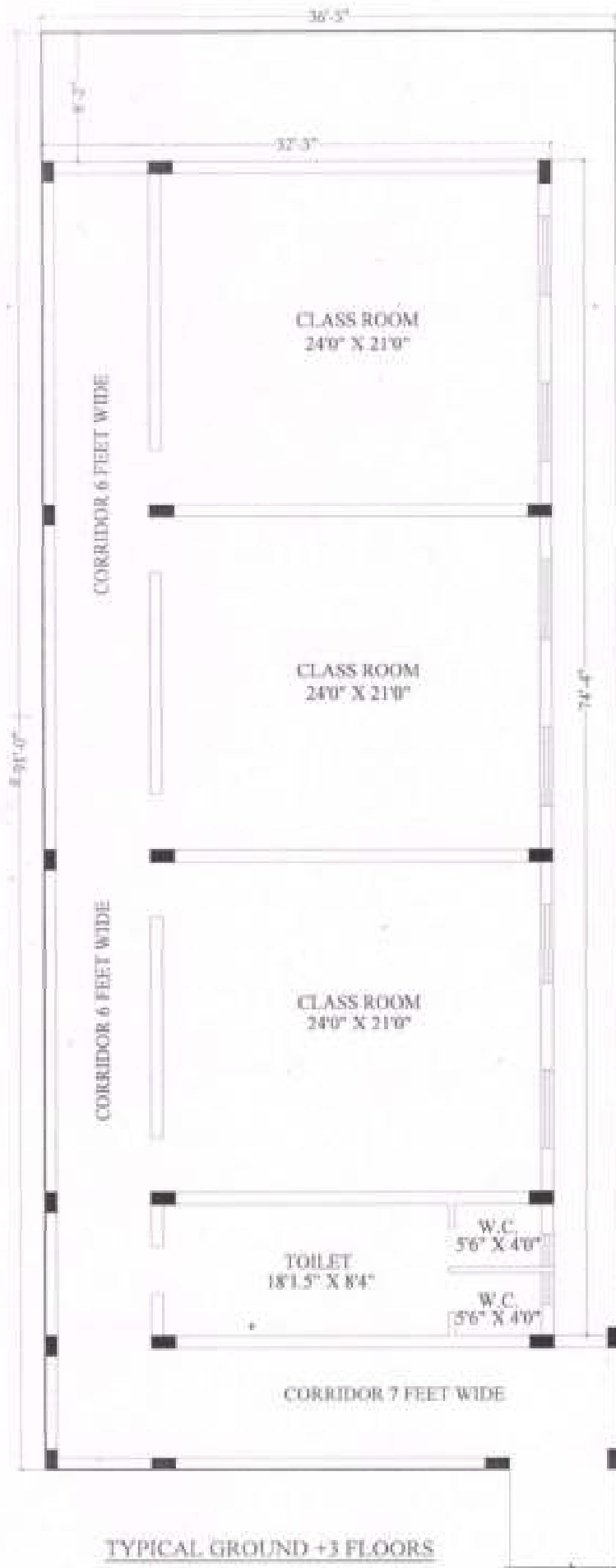
Nikhil
Nikhil Shukla
Architect

Pragya Singh
PRINCIPAL
PRINCIPAL
D.A.V PUBLIC SCHOOL
BISTUPUR, JAMSHEDPUR
06/04/24

BOQ NO.		UNIT	QUANTITY	RATE	AMOUNT	REMARKS
	A. SITE GRADING, EARTH WORK & ALLIED WORKS					
A1	Cleaning the proposed power plant site by cutting down plants/trees including grubbing of stumps, roots, etc. and disposal of the same out side the area of work as directed and approved by Engineer.	M ²	308.01			
A2	Earth work in excavation in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m. including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	M ³				
	a) In all types of ordinary and hard soils (including soils intermixed with boulders, slag and sluffy soils)	M ³	152.12			
	b) In soft and decomposed rock	M ³	30.42			
A 3	Excavating, supplying and filling of local earth (including royalty -cartage cost) by mechanical transport upto a lead of 3km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete. If local earth is	M ³	257.92			
A4	Earth work in filling for levelling and grading using approved quality of borrowed sand/gravel (borrowed earth to be arranged by the bidder at no extra cost to the Owner) on prepared surface obtained by compacting with mechanical means including setting o	M ³	24.63			
A5	Supplying and Providing pre-constructural anti-termite treatment, and creating a chemical barrier, under and on sides of trenches, wall footings, top surface of plinth filling, including junction of wall and floor along the perimeter of building, with aj)	M ²	364.50			
	SUB TOTAL OF ITEM UNDER "A"					
	B. CONCRETE AND ALLIED WORKS					
B1	Supplying, Providing and laying in position plain cement concrete in levelling courses/fill under or around foundations pits, slabs on grade, sumps, manholes, etc. at any depth with 40 mm down graded coarse aggregates including curing, compacting, de-water					
	a) 1:4:8 (Min cement content 160Kg/m ³)	M ³	7.53			
	c) 1:2:4 (Min cement content 240Kg/m ³)	M ³	24.99			
B2.	Providing and laying in position specified grade of reinforced cement concrete including the cost of centring, shuttering, finishing etc -All work upto plinth level.					
	a) Concrete grade M20 with 20mm downgraded coarse aggregates for:	M ³	36.09			
B3.	Supplying, Providing and placing in position reinforced cement concrete for superstructure works at all levels including cost of centring, shuttering, vibrating, curing, providing construction joints, leaving cutouts/ pockets for placing of inserts/ embedments, etc. complete, includ					
	a) Concrete grade M20 with 20mm downgraded coarse aggregates for: upto G+3floor lvl	M ³	177.97			
	b) Concrete grade M20 with 20mm downgraded coarse aggregates for: Intels, chajis etc.	M ³	26.26			
B12.	Supplying, Cleaning, cutting, bending, as per drawings and placing in position High yield strength deformed reinforcement bars conforming to IS: 1786 at all locations and levels including binding with soft annealed 18G black wire, etc. complete as shown					
	b) For HYSD bars of grade Fe500 conforming to IS 1786 except for elongation requirements. (Elongation shall be minimum 14.50 %)	Mt.	23.368			
	SUB TOTAL OF ITEM UNDER "B"					

BQ NO.		UNIT	QUANTITY	RATE	AMOUNT	REMARKS
C. MASONRY & ALLIED WORKS						
C1.	Supplying, Providing and laying brick masonry in cement mortar 1:5 using approved quality bricks of class 3.5 conforming to IS: 1077, scaffolding, curing, raking joints, etc. complete as					
	(a) 230 mm thick upto plinth lvl.	M ³	3.65			
	(b) 230 mm thick above plinth lvl.	M ³	100.88			
	(c) 115 mm thick above plinth lvl.	M ³	10.84			
C2.	a) Supplying, Providing 15 mm thick plain faced internal plaster in cement mortar 1:4 for RCC, brick work, sides, canopies, chajjas with drip moulding, etc. including scaffolding, curing, and including POP punning etc. complete as per specifications and a		2921.54			
	b) Supplying, Providing 18 mm thick external plastering in with water proofing compound) in cement mortar 1:5 for RCC, brick work, including scaffolding, curing, etc. complete as per specifi	M ²	1191.79			
	c) Supplying, Providing 6 mm thick plain-faced cement plaster in cement mortar 1:4 for sides and undersides of slabs, canopies, chajjas with drip moulding, etc. including scaffolding, curing, etc. complete as per specifications.	M ²	881.79			
SUB TOTAL OF ITEM UNDER "C"=						
D. FLOORING, STONE WORKS ETC.						
D1.	Providing and laying vitrified floor tiles in different sizes 600x600 (thickness to be specified by the manufacturer) with water absorption's less than 0.08 % and conforming to IS : 15622 of approved make in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including grouting the joint with white cement and matching pigments etc., complete.	M ²	870.85			
D2.	Providing and laying 10 mm thick acid and / or alkali resistant tiles of approved make and colour using acid and / or alkali resisting mortar bedding, and joints filled with acid and / or alkali resisting cement as per IS : 4457, complete as per the direction of Engineer-In-Charge.					
	a) In flooring on a bed of 10 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand).	M ²	3554.48			
	b) In dado/skirting using alkali resistant approved tiles Adhesives.	M ²	214.27			
SUB TOTAL OF ITEM UNDER "D"=						

BOQ NO.		UNIT	QUANTITY	RATE	AMOUNT	REMARKS
E. DOORS, WINDOW WORKS, ETC.						
E1.	Providing Teak wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length including cost of fasteners, painting etc complete.	M ²	0.98			
E2.	Providing and fixing ISI marked flush door shutters conforming to IS : 2002 (Part I) decorative type, core of block board construction with frame of 1 at class hard wood and well matched teak 3 ply veneering with vertical grain or cross bands and face veneers on both faces of shutters 35 mm thick including stainless steel butt hinges with necessary screws etc complete.	M ²	39.75			
E3.	Supplying providing & fixing aluminium framed Doors for toilet with shutters as specified.	M ²	8.54			
E4.	Supplying providing & fixing aluminium framed window	M ²	47.58			
E5.	Supplying providing & fixing 5mm thk. Glass sheet in doors & windows	M ²	47.58			
SUB TOTAL OF ITEM UNDER "E"=-						
F. PAINTING, FALSE CEILING, FINISHING AND ALLIED WORKS						
F1.	Finishing walls with Acrylic Smooth interior paint for required sheds on wall New work (includes cost of two coat of wall putty, Two or more coat applied @ 1.57 lit/ 10 sqm over and including priming coat of primer applied as per manufacturer details.	M ²	3003.24			
F2.	Finishing walls with Acrylic Smooth exterior paint for required sheds on wall New work (Two or more coat applied @ 1.57 lit/ 10 sqm over and including priming coat of exterior primer applied as per manufacturer details.	M ²	1191.75			
F3.	Supplying providing & laying SS grill at floor level by using ss-304 & 1.5mm sections , cost of all fixing fastening etc and as per designed approved by site Engineers/Architect etc complete.	Kg	720.00			
SUB TOTAL OF ITEM UNDER "F"=-						
Grand Total amount (A+B+C+D+E+F)=-						
ADD FOR ELECTRIFICATION @ 2.0%						
ADD FOR WATER SUPPLY & SANITARY @ 3.0%						
ADD FOR CONTINGENCY @ 1.0%						
ADD FOR CONTRACTORS PROFIT @ 15%						
TOTAL =						
Plinth area rate						



TYPICAL GROUND +3 FLOORS

EXTENSION OF CLASSROOMS

Place:

Title:

Date:

D.A.V. BUSTUPUR

CONCEPT DRAWING

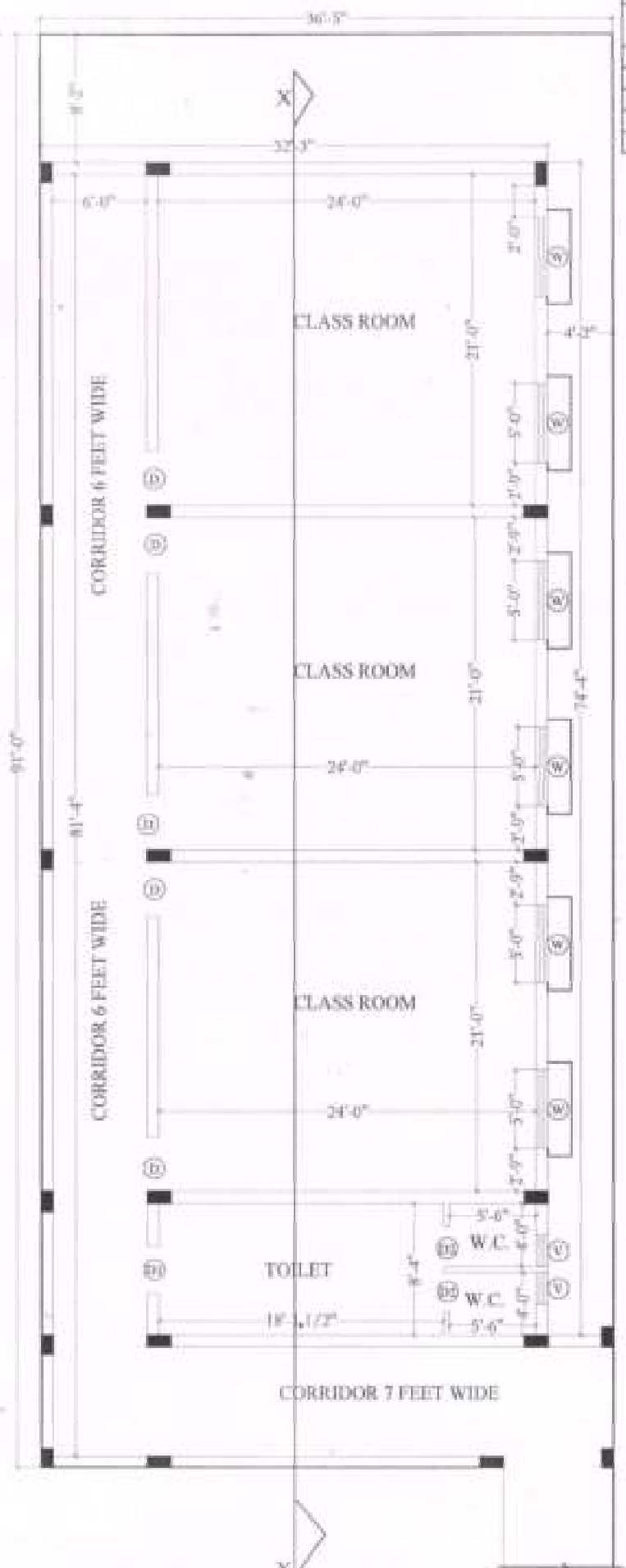
19/03/2024

DX XTREME

Architectural & Interior Design
 10/10, 10/10, 10/10, 10/10
 10/10, 10/10, 10/10, 10/10
 10/10, 10/10, 10/10, 10/10

LIST OF DOORS & WINDOWS

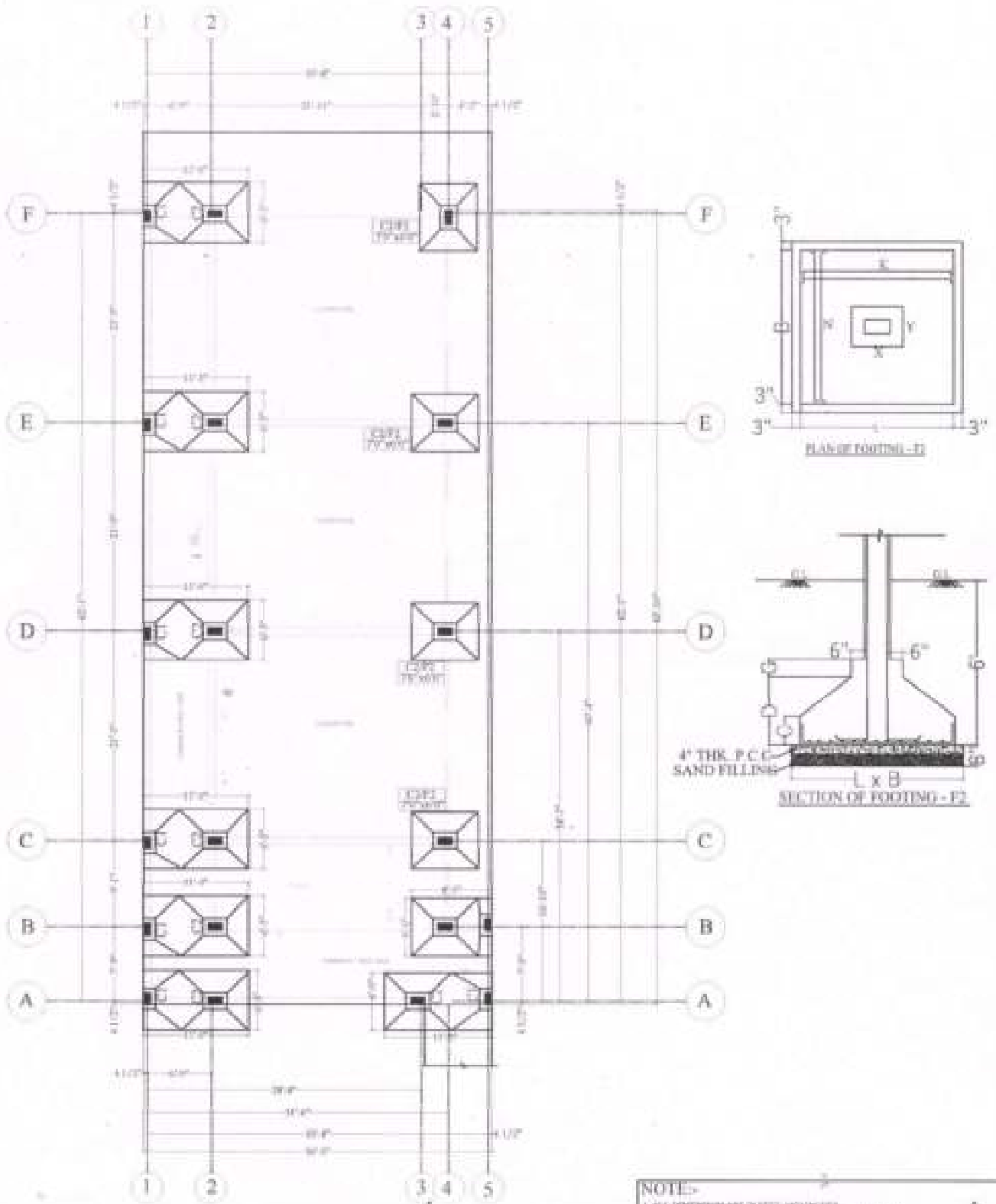
No.	Room	Door	Window	Area	Remarks
1	CLASS ROOM	1	2	24'	
2	CLASS ROOM	1	2	24'	
3	CLASS ROOM	1	2	24'	
4	CLASS ROOM	1	2	24'	
5	CLASS ROOM	1	2	24'	



TYPICAL GROUND +3 FLOORS



EXTENSION OF CLASSROOMS	Place:	Title:	Date:	
	By: A.V. BISTUPUR	WORKING DRAWING	19/03/2024	



FOOTING LAYOUT

NOTE:-

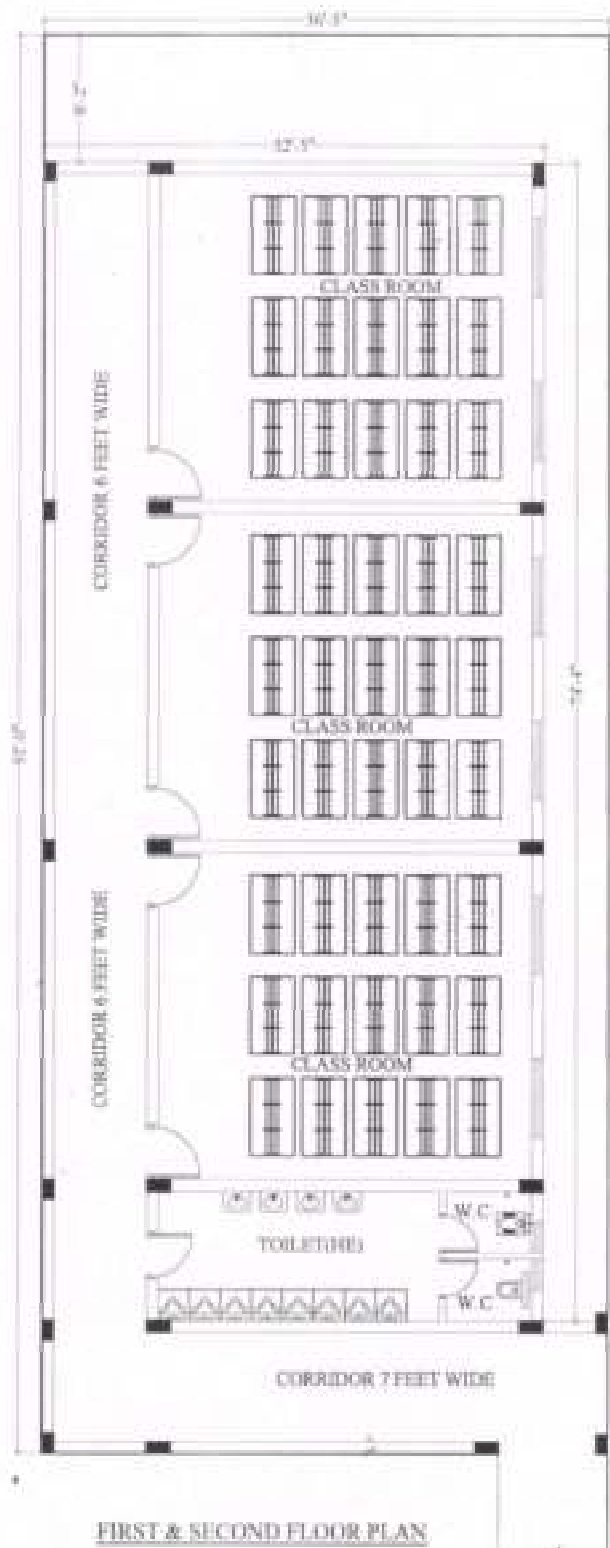
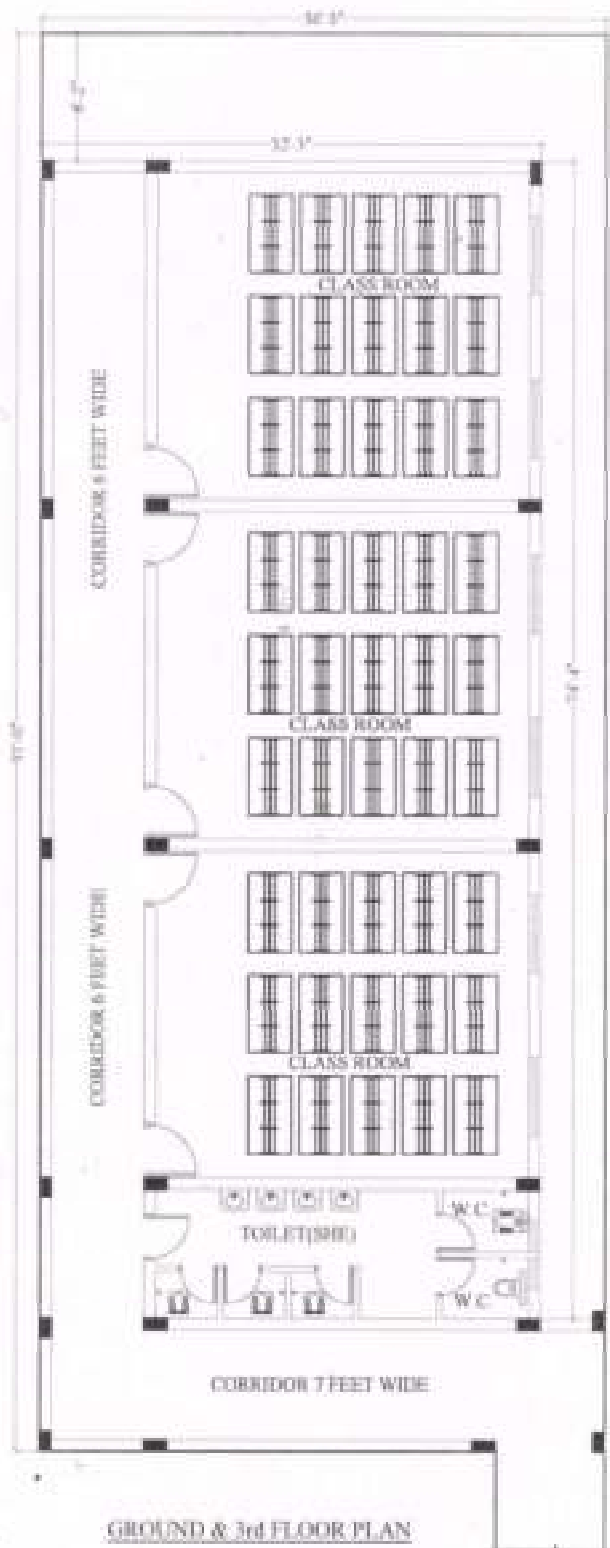
1. ALL DIMENSIONS ARE IN FEET AND INCHES.
2. ALL CONCRETE MIX PROPORTIONS AND RATIO ARE AS PER IS 456.
3. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
4. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
5. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
6. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
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10. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
11. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
12. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.

DRAWING :-
FOOTING LAYOUT

DATE :- 19/03/2024

PROJECT :- D.A.V. BISTUPUR

FOOTING SCHEDULE										
S.NO.	FOOTING MARKING	FOOTING DIMS		D	L	PERIMETER			SAND	REINFORCEMENT
		L	B			X	Y	Z		
1	F2	7'0"	6'0"	18"	6'	34'	21'	6'	17 THK @ 17'C FOOTING WAYS	12 THK @ 17'C FOOTING WAYS



EXTENSION OF CLASSROOMS

Place:

Title:

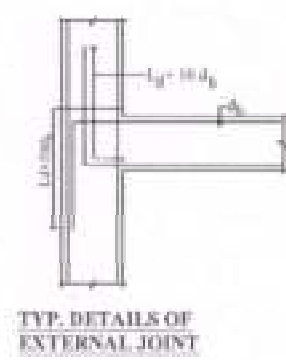
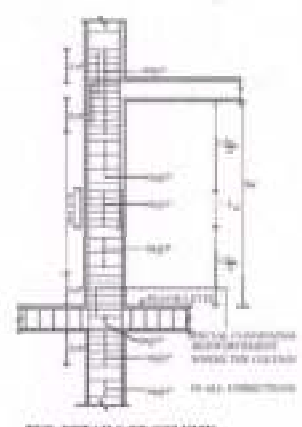
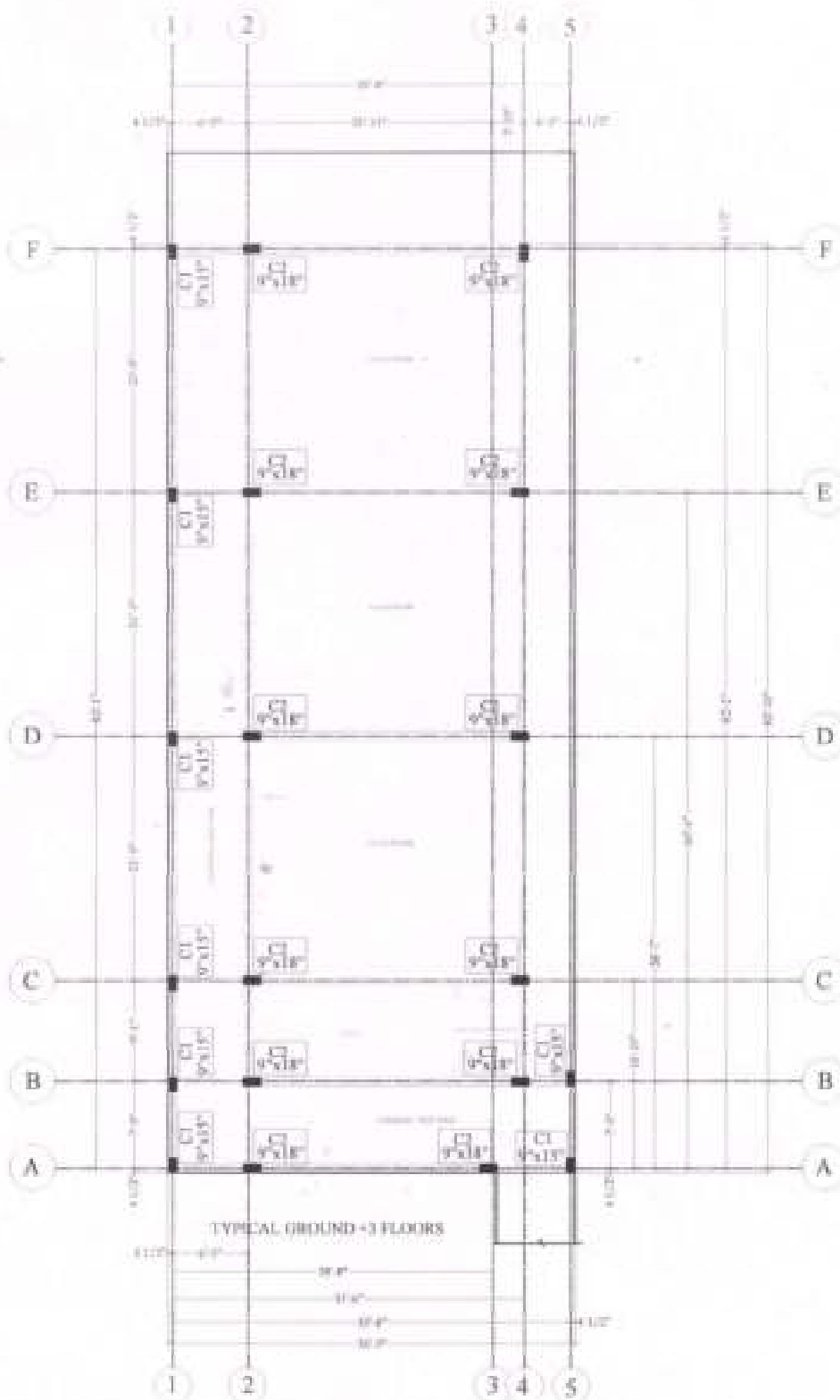
Date:

D.A.VRISTUPUR

FURNITURE DRAWING

19/03/2024

DX XTREME Design
 Architectural & Interior Design
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 Details Visit: www.dvxtreme.com
 Phone: +91 9845447474, 9845447475
 Email: info@dvxtreme.com
 Website: www.dvxtreme.com



CENTER LINE

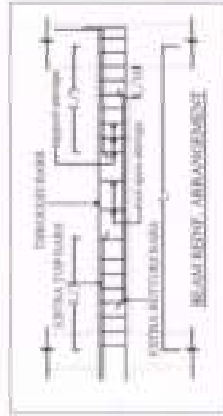
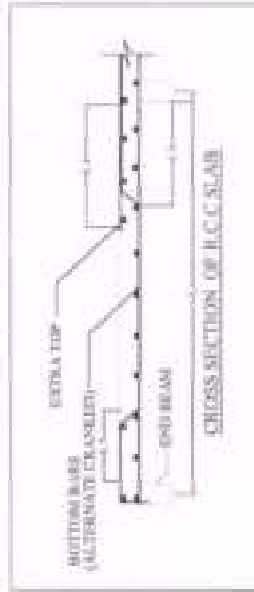
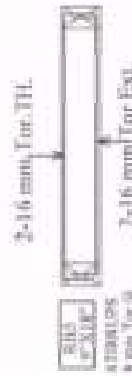
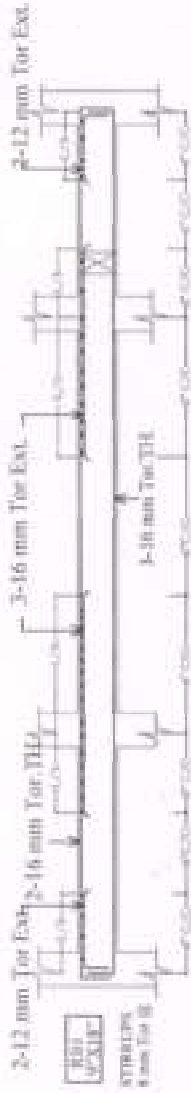
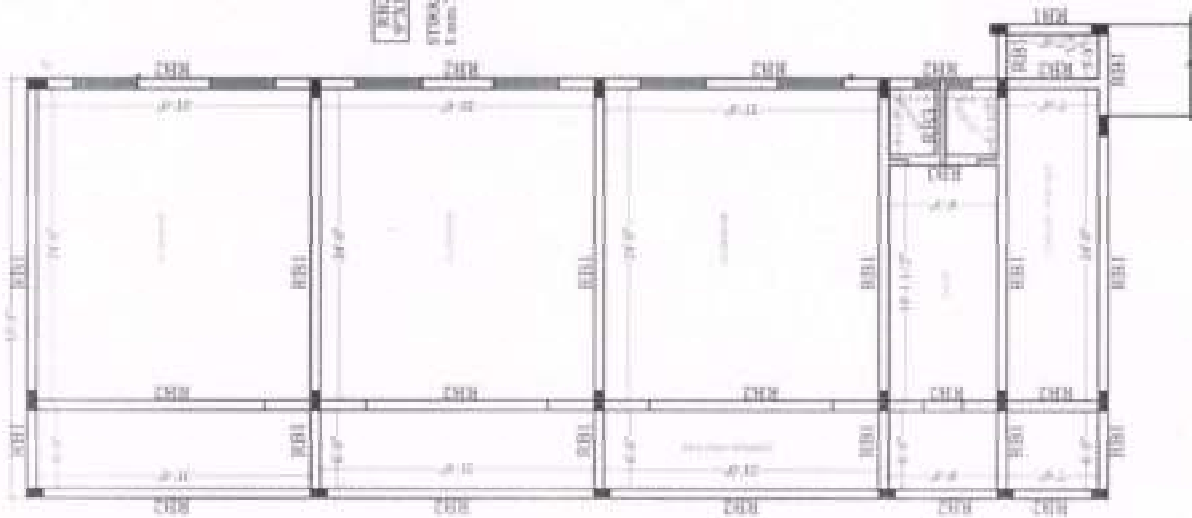
- NOTE:-**
1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE SPECIFIED.
 2. ALL CONCRETE ARE AS PER IS 456:2000 UNLESS OTHERWISE SPECIFIED.
 3. ALL REINFORCEMENT IS AS PER IS 1786:1983.
 4. THE REINFORCEMENT IS TO BE PROVIDED AS PER IS 456:2000.
 5. ALL CORNER REINFORCEMENT IS TO BE PROVIDED AS PER IS 456:2000.
 6. THE REINFORCEMENT IS TO BE PROVIDED AS PER IS 456:2000.
 7. ALL DIMENSIONS ARE TO BE AS PER IS 456:2000.
 8. ALL DIMENSIONS ARE TO BE AS PER IS 456:2000.
 9. ALL DIMENSIONS ARE TO BE AS PER IS 456:2000.
 10. ALL DIMENSIONS ARE TO BE AS PER IS 456:2000.

Column No.	1	2	3	4	5
CONCRETE MIX	M20	M20	M20	M20	M20
SECTION WITH MAIN STEEL					
LOAD	1000 kg/m ² F & T	1000 kg/m ² F & T	1000 kg/m ² F & T	1000 kg/m ² F & T	1000 kg/m ² F & T

DRAWING :-
CENTER LINE

DATE :- 19/03/2024

PROJECT :- D.A.V. BISTUPUR



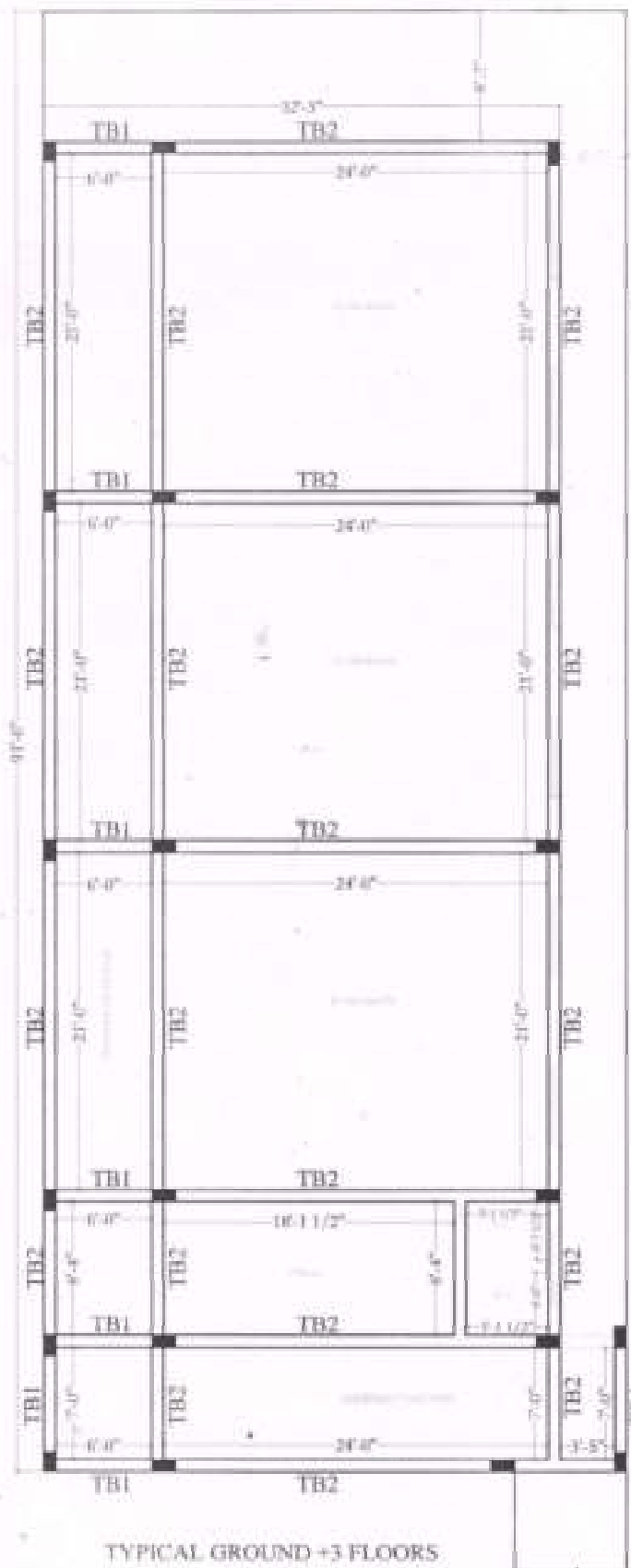
NOTE -

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. ALL CONCRETE SHALL BE GRADE 20.
3. ALL STEEL SHALL BE GRADE 460.
4. ALL JOINTS SHALL BE FULLY DEVELOPED.
5. ALL REINFORCEMENT SHALL BE AS SHOWN IN THE DRAWING.
6. ALL REINFORCEMENT SHALL BE PROVIDED AS PER THE DRAWING.
7. ALL REINFORCEMENT SHALL BE PROVIDED AS PER THE DRAWING.
8. ALL REINFORCEMENT SHALL BE PROVIDED AS PER THE DRAWING.
9. ALL REINFORCEMENT SHALL BE PROVIDED AS PER THE DRAWING.
10. ALL REINFORCEMENT SHALL BE PROVIDED AS PER THE DRAWING.

DRAWING :-
ROOF BEAM DETAIL

DATE :- 19/03/2024

PROJECT :- D.A.V. BISTUPUR



CONCRETE MIX	TB1	TB2
SECTION WITH MAIN STEEL		
LINKS		

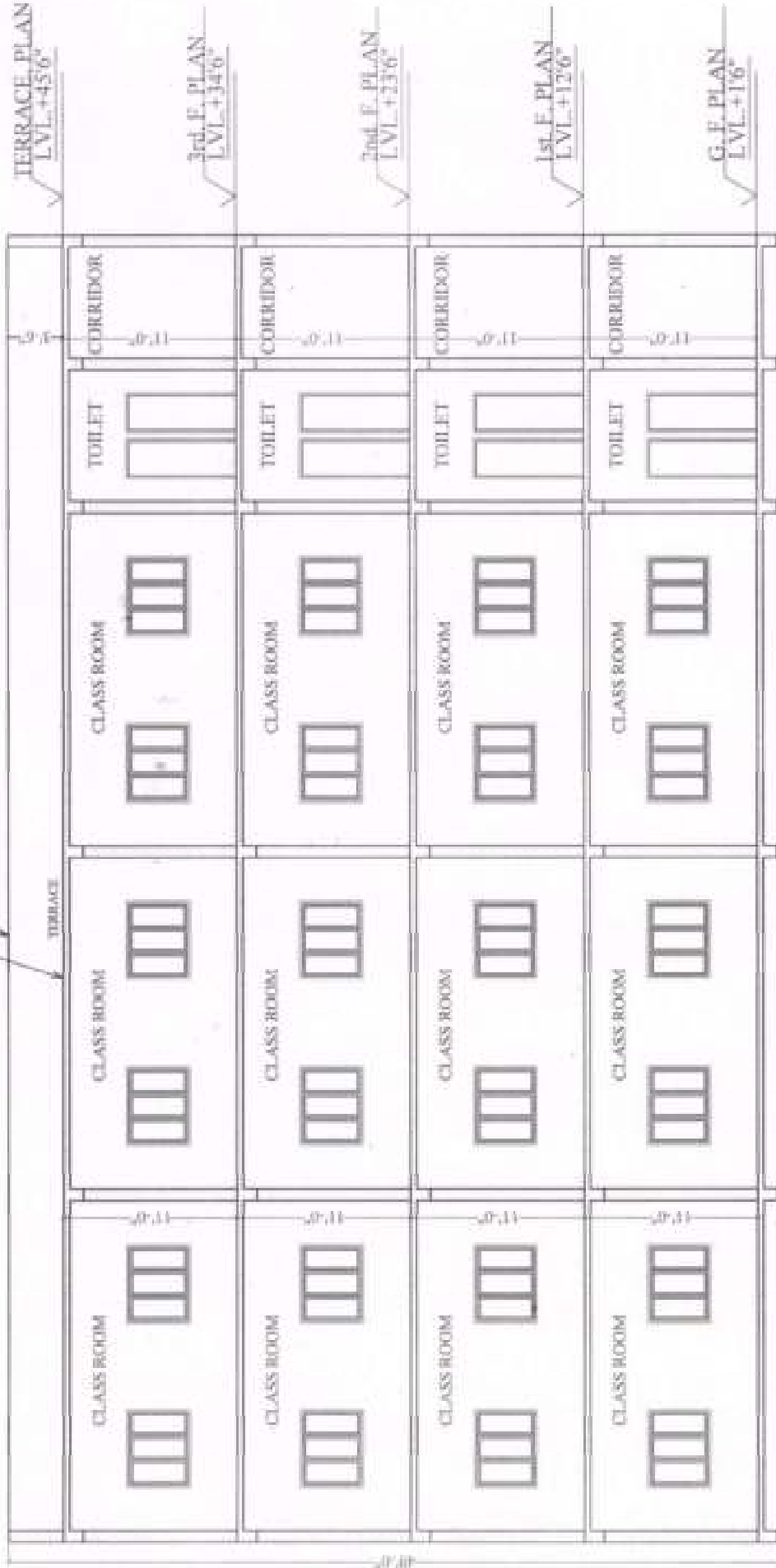
- NOTE:-**
1. ALL DIMENSION ARE IN FEET AND INCHES
 2. ALL CONCRETE MIX AS PER ENCLASH OTHERWISE SPECIFIED
 3. BOLD STEEL YIELD STRENGTH 250N / mm²
 4. TOP STEEL YIELD STRENGTH 300 N/mm²
 5. ALL CONCRETE SHALL BE MACHINE MIXED AND MACHINE VIBRATED
 6. CLEAR COVER TO MAIN STEEL 40 mm IN COLUMN, 25 mm IN BEAM & 15 mm IN SLAB
 7. ALL DIMENSION ARE TO BE READ NOT TO BE MEASURED
 8. ALL DISTRIBUTION BARS WHEREVER REQUIRED BUT NOT CALLED OUT SHALL BE 8 @ 210 C/C
 9. THIS DRAWING SHALL BE READ WITH ARCHITECTURAL DRAWING
 10. BEARING CAPACITY OF SOIL ADOPTED AS 15 T/ M²
 11. DEPTH OF FOUNDATION SHALL BE 300 mm BELOW EXISTING GROUND
 - LAP LENGTH - 1.30 L_d 50 TIMES OF BAR DIA
 - 12- DIA OF MAIN BAR
 - 13- EFFECTIVE DEVELOP. LENGTH CONSIDERING COMPRESSION- 17 BAR DIA
 - 14- EFFECTIVE DEVELOPMENT LENGTH CONSIDERING TENSION- 47 X BAR DIA

DRAWING : -
TIE BEAM

DATE :-19 /03/2024

PROJECT : - D.A.V.BISTUPUR

4.5" Thick Base Slab
9" Thick, 2 1/2" Ht
PARAPET WALL.



DX design **XTREME**
 Architecture | Interior | Exterior | Construction
 100/100, New Colony, 1st Stage
 Anna, Bangalore - 560021
 Contact: 91-9845010101, 9845010102
 Email: dx@dxxtreme.com

Place: Date:

19/03/2024

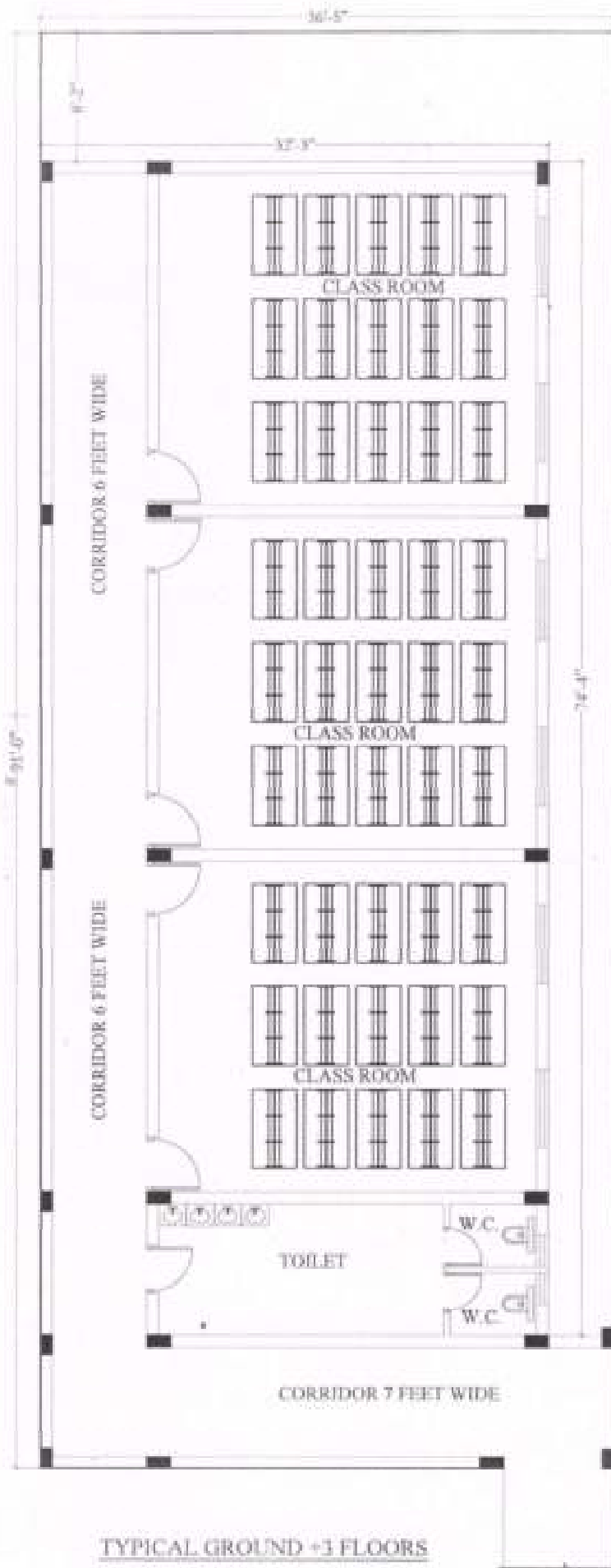
Title:

SECTION

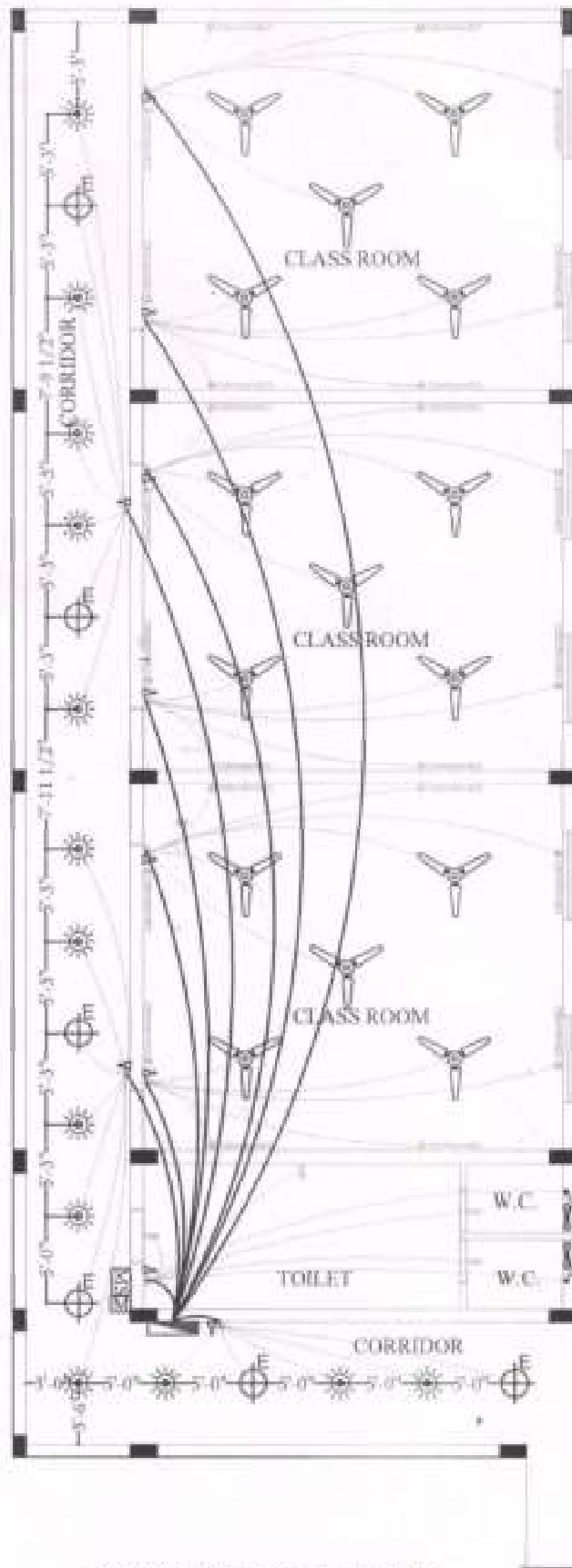
Place:

D.A.V BISTUPUR

EXTENSION OF CLASSROOMS



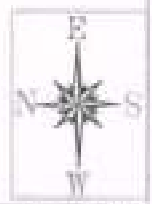
EXTENSION OF CLASSROOMS	Place:	Title:	Date:	
	DAY BY SUPPLER	FURNITURE DRAWING	19/03/2024	

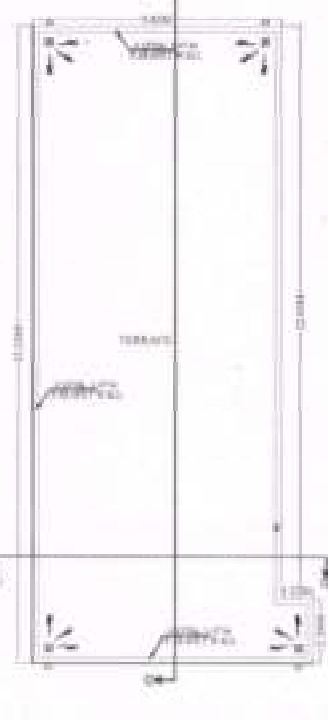
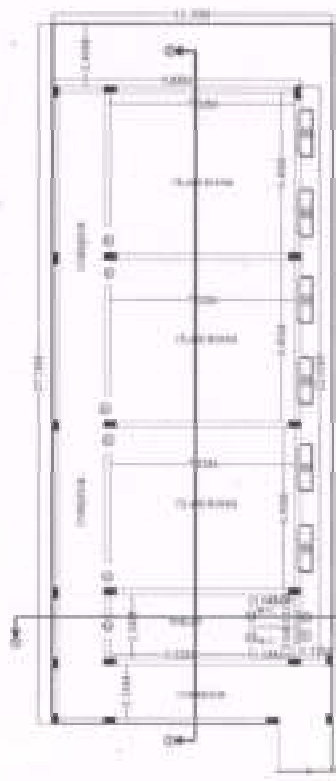
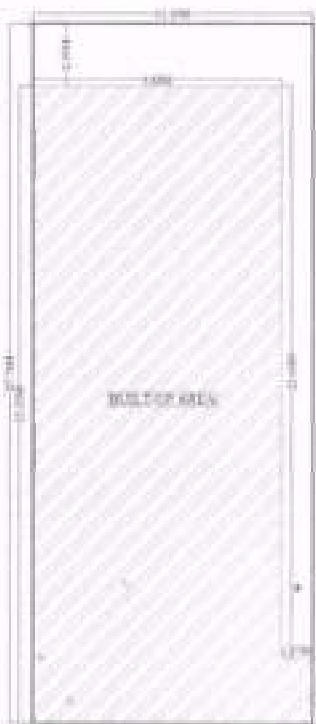
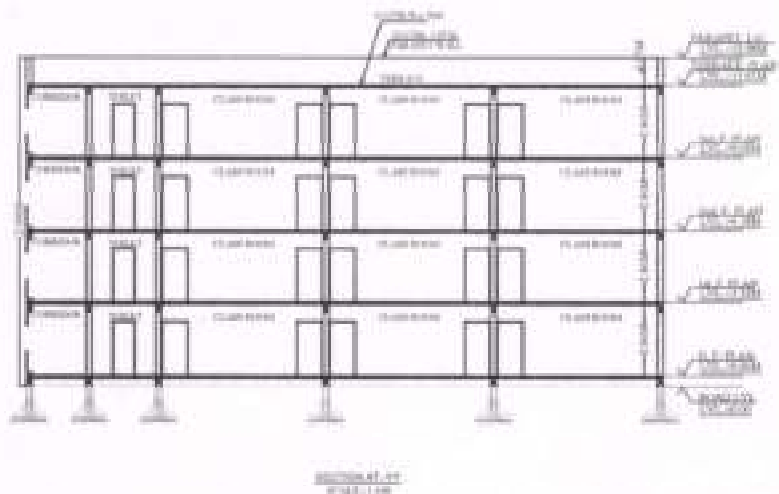
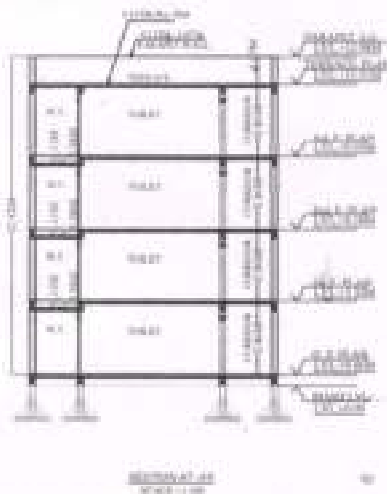
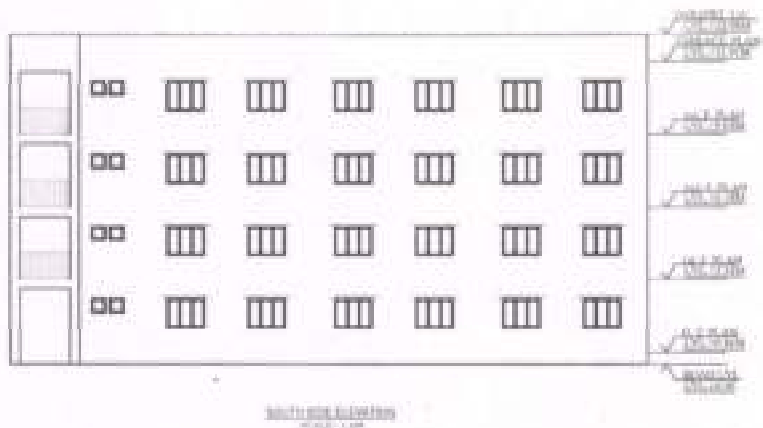
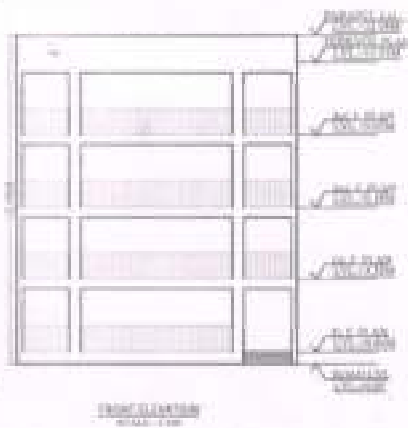


TYPICAL GROUND +3 FLOORS

LEGEND : (Electrical)

S. No.	SYMBOL	DESCRIPTION
1.		LIGHT POINT/WALL BRACKET
2.		CEILING LIGHT (SURFACE)
3.		EMERGENCY CEILING LIGHT (SURFACE)
4.		CEILING FAN
5.		CEILING ROSE
6.		5 AMP PLUG POINT
7.		3.15 AMP POWER POINT
8.		TELEPHONE POINT
9.		T.V JUNCTION BOX
10.		SWITCH BOARD
11.		BULK HEAD (INSIDE LIFT SHAFT)
12.		DISTRIBUTION BOARD (BOTTOM LEVEL)
13.		INDICATES CONTROLLING OF LIGHT/FAN FROM SWITCH BOARD
14.		INDICATES WIRING FROM DISTRIBUTION BOARD
15.		BELL SWITCH POINT
16.		BLOWER POINT
17.		TUBELIGHT
18.		A.C. POINT
19.		MITER
20.		MAIN SWITCH
21.		EXHAUST FAN / CEILING ROSE





GENERAL SPECIFICATION:

Project Name:	
Client:	
Location:	
Area:	
Structure:	
Foundation:	
Roofing:	
Finishes:	
Services:	
Contractor:	
Architect:	

SCHEDULE OF DOORS & WINDOWS:

Sl. No.	Size	Description
01	1.20 x 2.10	Wooden Sliding Window
02	1.20 x 2.10	Wooden Sliding Window
03	1.20 x 2.10	Wooden Sliding Window
04	1.20 x 2.10	Wooden Sliding Window
05	1.20 x 2.10	Wooden Sliding Window
06	1.20 x 2.10	Wooden Sliding Window
07	1.20 x 2.10	Wooden Sliding Window
08	1.20 x 2.10	Wooden Sliding Window
09	1.20 x 2.10	Wooden Sliding Window
10	1.20 x 2.10	Wooden Sliding Window

PROPOSED BUILDING FOR:

1. 1st FLOOR

2. 2nd FLOOR

KHATA NO.-

NEW PLOT NO.-

MOUZA -

THANA NO.-

THANA -

PALKA NO.-

AMBI-DEPURA, EAST SINGHERIM

SCALE OF DIMENSIONS IN MM

REGISTERED ENGINEER / ARCHITECT

SITE PLAN, FLOOR PLANS, SECTIONAL DRAWINGS, STRUCTURAL AREA CALCULATION, ESTIMATION, PLAN, ELEVATION, SECTION, FINISHING DETAILS, WATER SUPPLY & SEWER TANK CALCULATION

PROJECT NO. - 10/24/19

APPROVED

