



DR.D.RAM D.A.V. PUBLIC SCHOOL

GOLA ROAD, DANAPUR, PATNA :801 503

CO-EDUCATIONAL, ENGLISH MEDIUM SCHOOL BASED ON 10+2 SYLLABUS OF C.B.S.E. NEW DELHI.

AFFILIATION No.: 330124, SCHOOL No.: 50034

ISO Certified 9001 : 2015

Ph.: 8521517390 • E-mail: dramdav@gmail.com, dramdav@rediffmail.com, Website : www.dramdav.com

Ref. No. Dr. D. RAM DAV/20.....

Date

Dr. D. RAM D.A.V. PUBLIC SCHOOL

GOLA ROAD DANAPUR, PATNA.

TENDER NOTICE

Dt. 10/10/2020.

Sealed Quotations are invited from the registered Contractors for the construction of the Administrative Block in Block – B & C campus having the provisions of Office, Fee Counter, Reception, Maths Lab, S.St. Lab, Art & Craft Lab, Atal Tinkering Lab, Toilets and a separate stairs in Block – C.

The Sealed Quotations with complete BOQ of the work should reach to the School Office by 19.10.2020(evening), either through the Speed Post or on School email ID. dramdav@gmail.com

For details of the work and estimates, please visit our school website, www.dramdav.com. The agency, quoting the lowest rate will be awarded the works.

Quotations will be opened on 21/10/2020 at 11.00 am.

Dr. U. S. Prasad
Principal cum R.O.

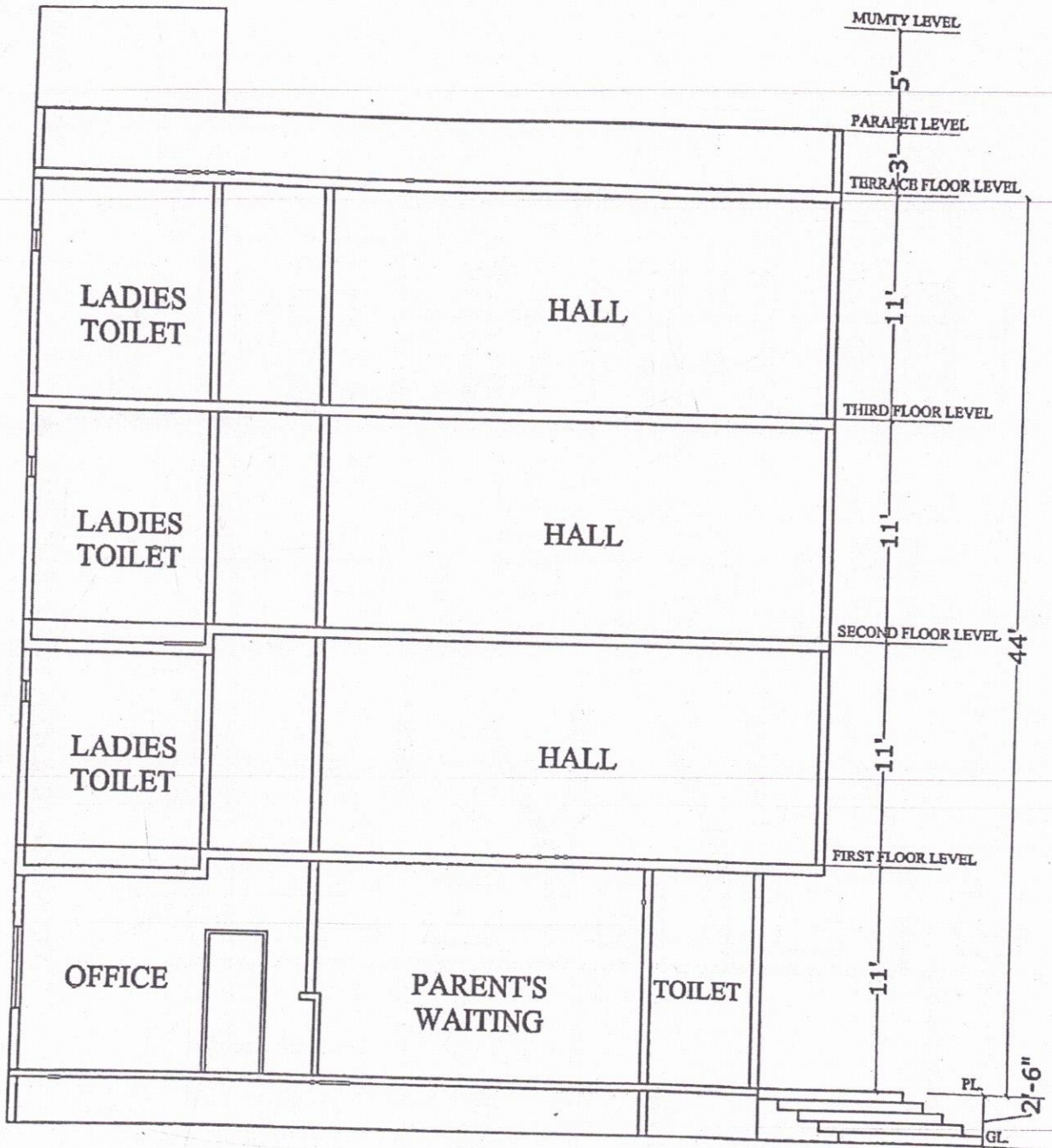
Dr. T. P. Pati
Manager

To m/s expression, Patna → To be published on 11/10/2020 (Sunday) in Hindi Dainik 'Aaj' on minimum charge. *12500/-*

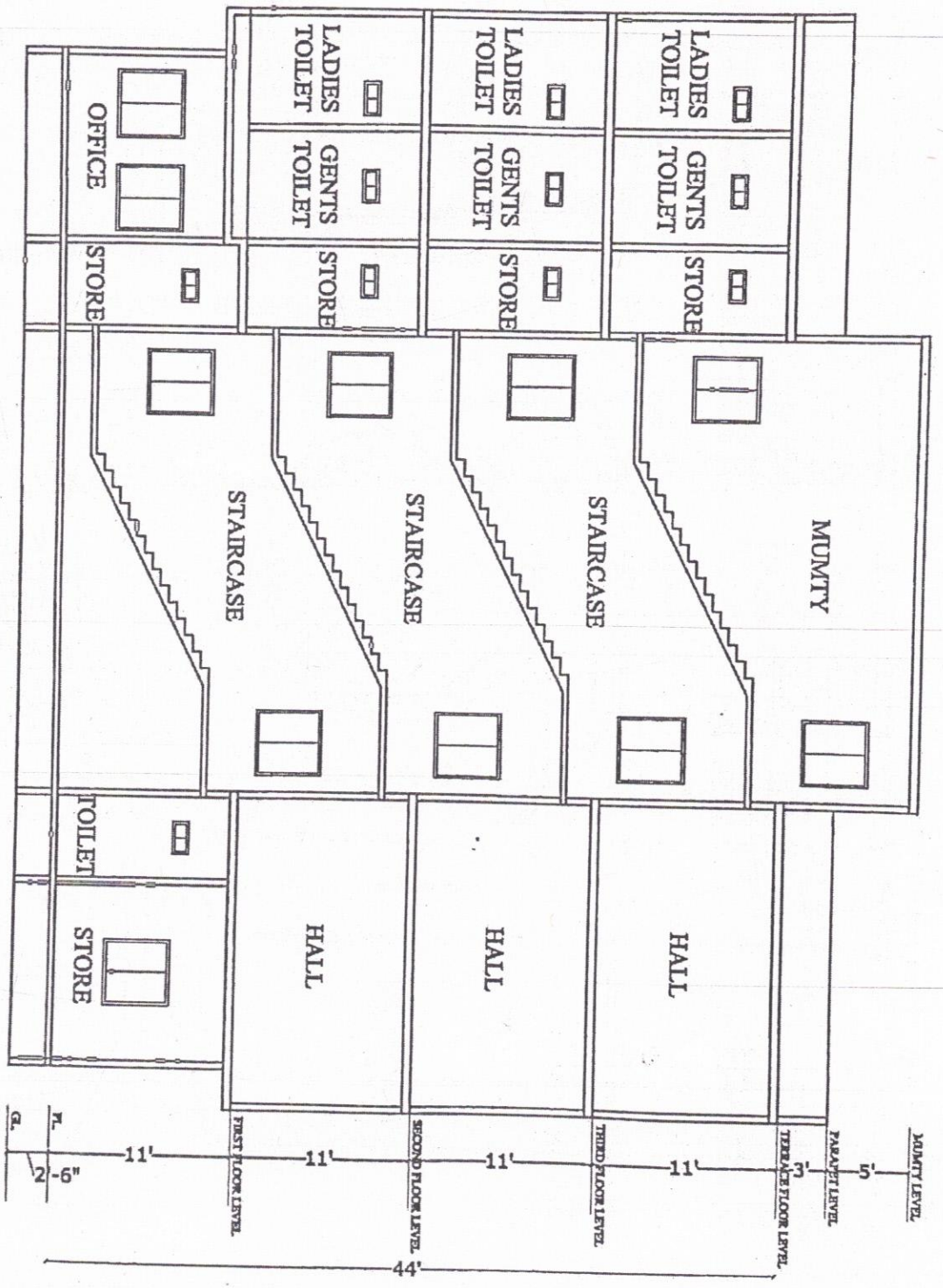
Material for new building (G+3) construction at D.A.V GOLA ROAD , PATNA

	AREA (SQ. FT.)	CEMENT (Bag)	SAND (tractor)	AGGREGATE(tractor)
FOUNDATION AND PLINTH	2650.0	800	25	40
GROUND FLOOR	1975.0	340	16	14
FIRST FLOOR	1975.0	390	18	14
SECOND FLOOR	1975.0	390	18	14
THIRD FLOOR	1975.0	390	18	14
TOTAL B/UP	7900.0			
TOTAL MATERIAL		2310	95	96

Note :- The above calculation includes work done in footing ,pile, coumns, beam, grade beam, slab and cement plaster finishing



<p>TITLE</p> <p>SECTION Y-Y</p>	<p>PROJECT</p> <p>DAV PUBLIC SCHOOL, GOLA ROAD, PATNA, BIHAR</p>	<p>ARCHITECTS</p> <p>HAPPY & ASSOCIATES</p> <p>1st floor, Lakshmi Bhawan Opp. Dhoup Factory Lakshmi Bhawan near Odhava Gaya Bihar - 823001 mob: 777268750, 9877642417 Email: happyassociates@gmail.com</p>
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TITLE

SECTION X-X

PROJECT

DAV PUBLIC SCHOOL, GOLA ROAD, PATNA,
BIHAR

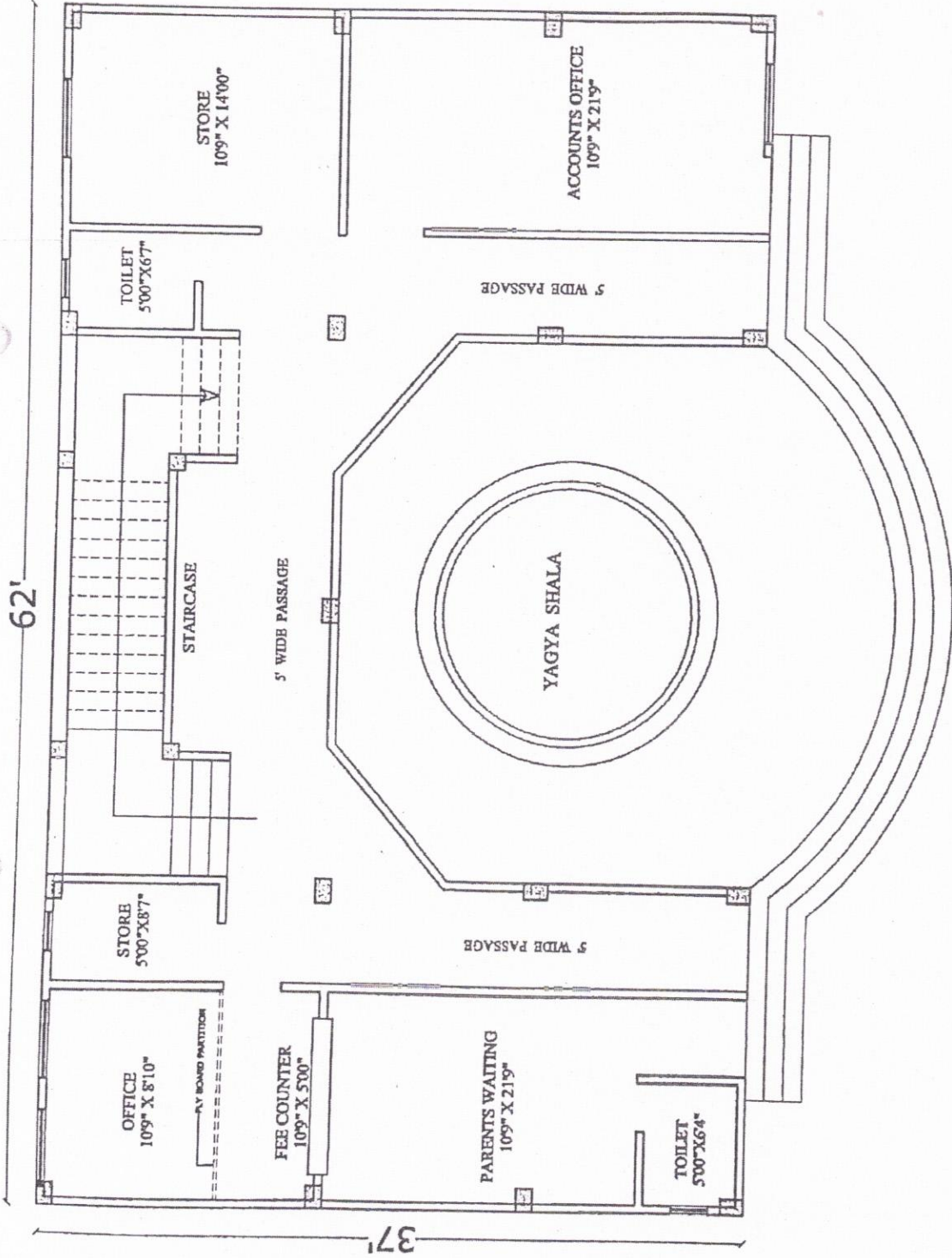
ARCHITECTS

HAPPY & ASSOCIATES

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STEEL CALCULATION FOR FOR NEW BLOCK(G+3) CONSTRUCTION AT
D.A.V PUBLIC SCHOOL, GOLA ROAD, PATNA, BIHAR

particular	no. of rods	in m	in kg
foundation and plinth			
8mm	147.0	1747.9	692.0
10mm	65.0	772.9	477.0
12mm	398.0	4732.3	4,207.0
16mm	19.0	225.9	350.0
ground floor			
8mm	108.0	1284.1	510.0
10mm	301.0	3579.0	2,200.0
12mm	66.0	784.8	695.0
16mm	38.0	451.8	720.0
first floor			
8mm	108.0	1284.1	510.0
10mm	321.0	3816.8	2,350.0
12mm	66.0	784.8	690.0
16mm	38.0	451.8	720.0
second floor			
8mm	108.0	1284.1	510.0
10mm	321.0	3816.8	2,350.0
12mm	66.0	784.8	690.0
16mm	38.0	451.8	720.0
third floor			
8mm	108.0	1284.1	510.0
10mm	342.0	4066.5	2,500.0
12mm	67.0	796.6	700.0
16mm	42.0	499.4	780.0



62'

37'

ARCHITECTS

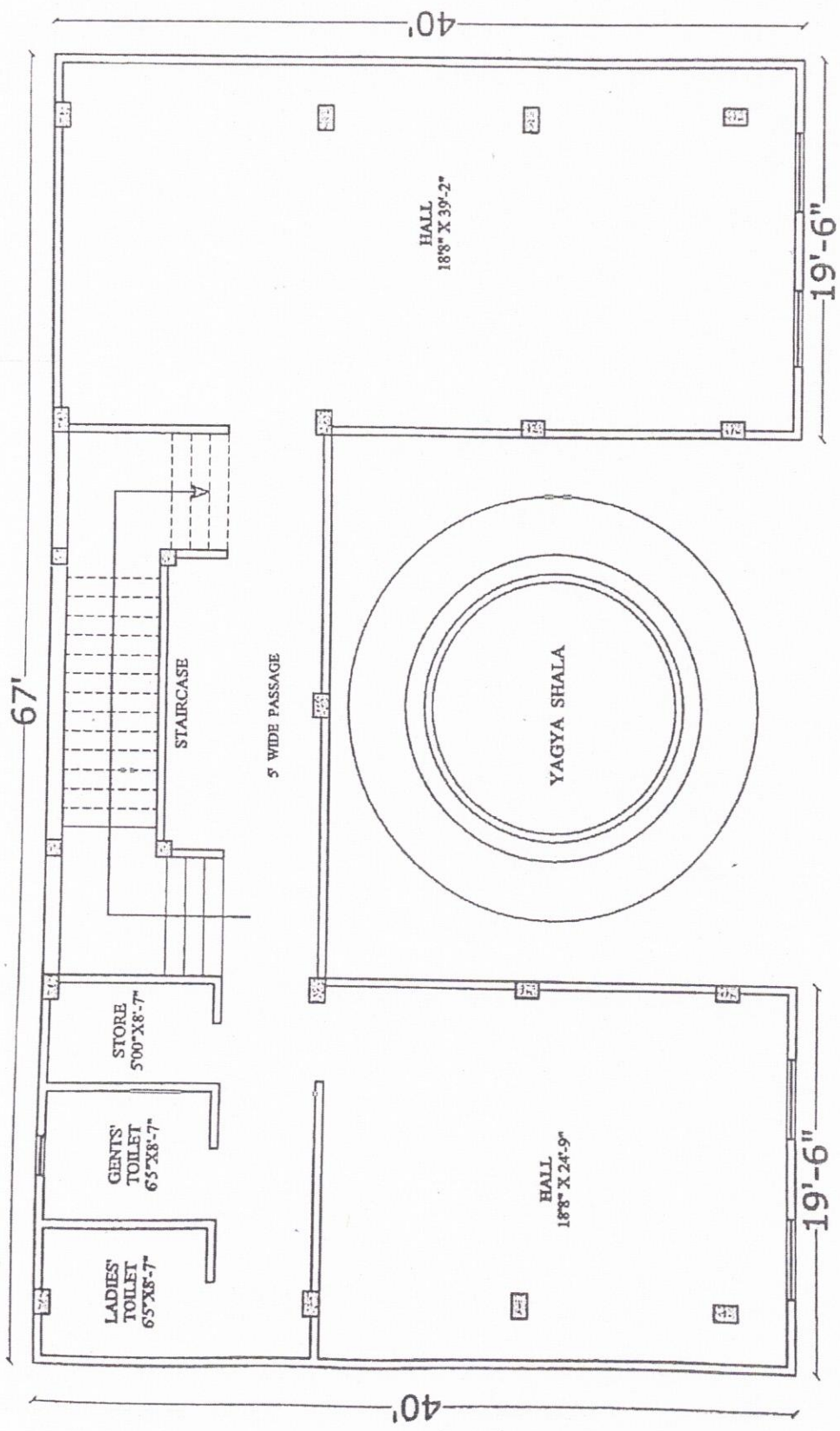
HAPPY & ASSOCIATES
 1st floor, Lalit Bhawan Opp. Dhooop
 Factory Rajendra path New Godown
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PROJECT

**DAV PUBLIC SCHOOL, GOLA ROAD, PATNA,
 BIHAR**

LE

**GROUND FLOOR
 PLAN**



LE

**ICAL 1ST, 2ND & 3RD
FLOOR PLAN**

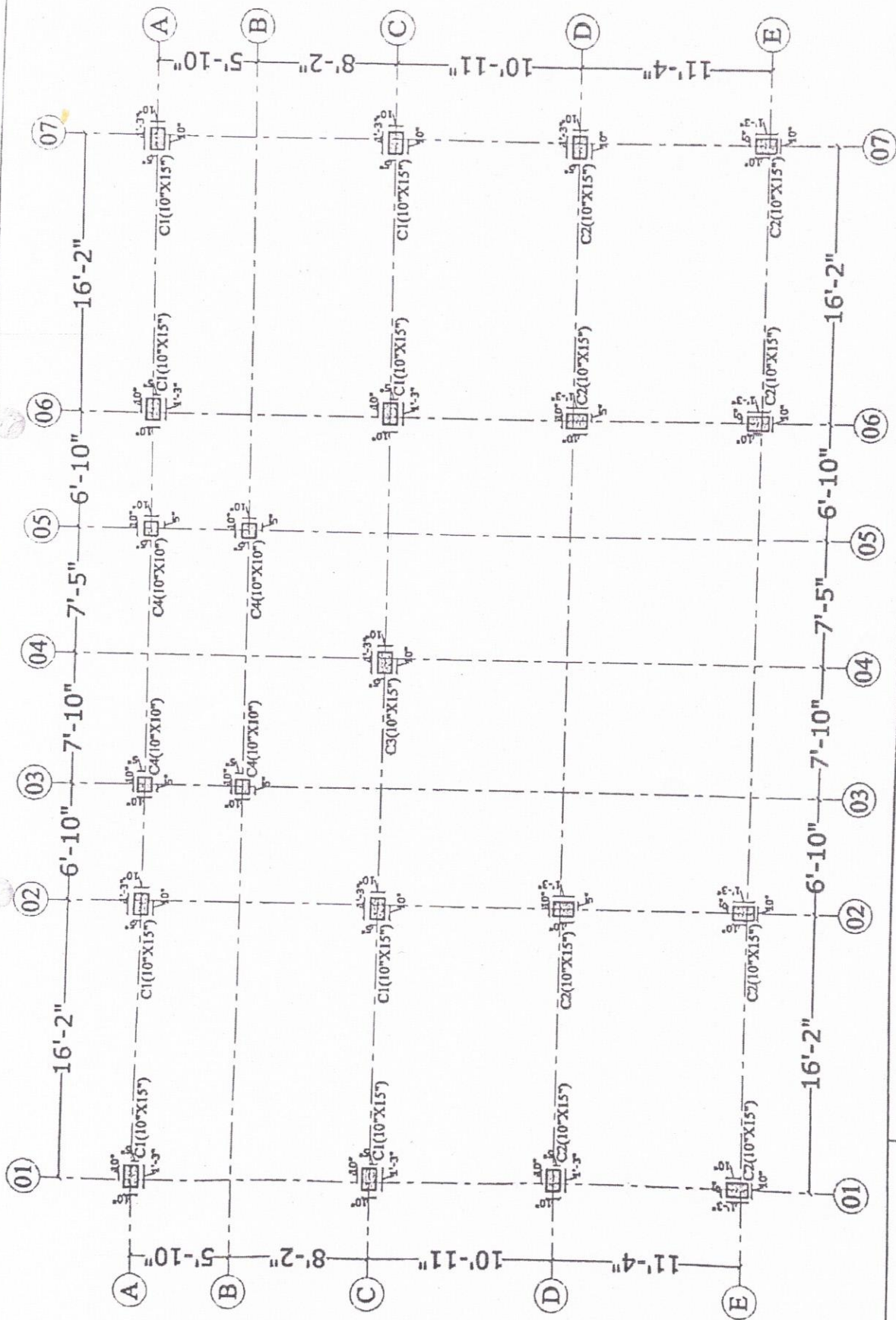
PROJECT

**DAV PUBLIC SCHOOL, GOLA ROAD, PATNA,
BIHAR**

ARCHITECTS

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LE

UMN LAYOUT PLAN

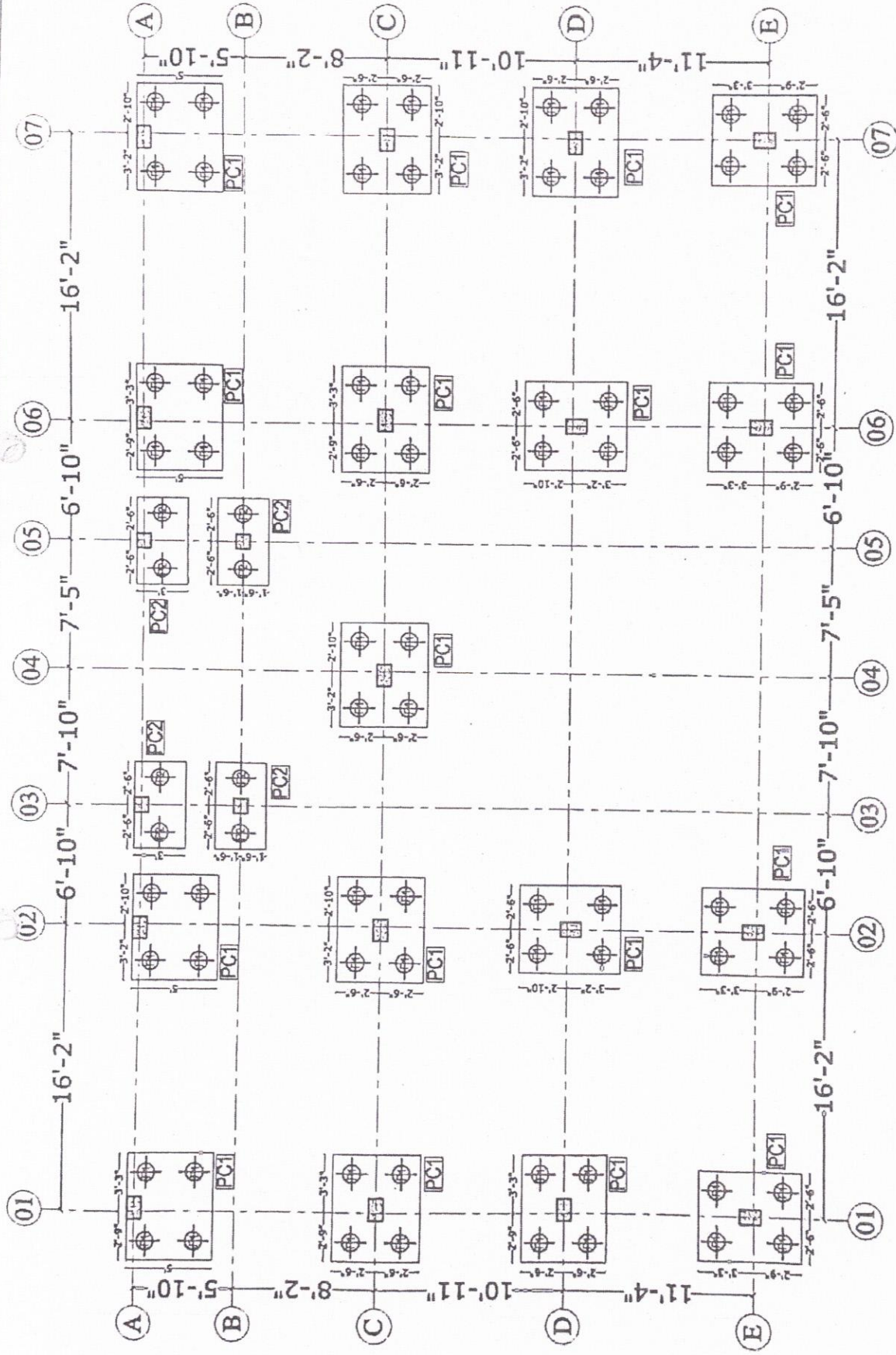
PROJECT

**DAV PUBLIC SCHOOL, GOLA ROAD, PATNA,
BIHAR**

ARCHITECTS

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E
LAYOUT PLAN

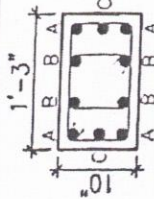
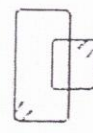
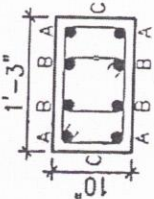
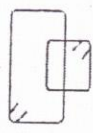
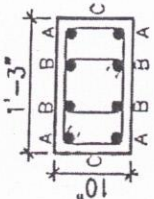
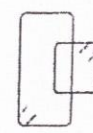
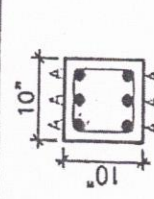

PROJECT

DAV PUBLIC SCHOOL, GOLA ROAD, PATNA, BIHAR

ARCHITECTS

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COLUMN SCHEDULE

COLUMN MARK	LEVEL COLUMN SIZE	FOUNDATION LVL. TO STILT FLOOR LVL.	STILT FLOOR LVL. TO FIRST FLOOR LVL.	FIRST FLOOR LVL. TO SECOND FLOOR LVL.	SECOND FLOOR LVL. TO THIRD FLOOR LVL.	THIRD FLOOR LVL. TO TERRACE FLOOR LVL.	TERRACE FLOOR LVL. TO MUMIFY LVL.	TIES
		M-20	M-20	M-20	M-20	M-20	M-20	
C1		A = 4-16ϕ B = 4-16ϕ C = 2-16ϕ	A = 4-16ϕ B = 4-16ϕ C = 2-16ϕ	A = 4-16ϕ B = 4-16ϕ C = 2-16ϕ	A = 4-16ϕ B = 4-16ϕ C = 2-16ϕ	A = 4-16ϕ B = 4-16ϕ C = 2-16ϕ	A = 4-16ϕ B = 4-16ϕ C = 2-16ϕ	
C2		A = 4-16ϕ B = 4-16ϕ	A = 4-16ϕ B = 4-16ϕ	A = 4-16ϕ B = 4-16ϕ	A = 4-16ϕ B = 4-16ϕ	A = 4-16ϕ B = 4-16ϕ	A = 4-16ϕ B = 4-16ϕ	
C3		A = 4-16ϕ B = 4-12ϕ	A = 4-16ϕ B = 4-12ϕ	A = 4-16ϕ B = 4-12ϕ	A = 4-16ϕ B = 4-12ϕ	A = 4-16ϕ B = 4-12ϕ	A = 4-16ϕ B = 4-12ϕ	
C4		A = 6-12ϕ	A = 6-12ϕ	A = 6-12ϕ	A = 6-12ϕ	A = 6-12ϕ	A = 6-12ϕ	

LE

UMN DETAIL PLAN

PROJECT

**DAV PUBLIC SCHOOL, GOLA ROAD, PATNA,
BIHAR**

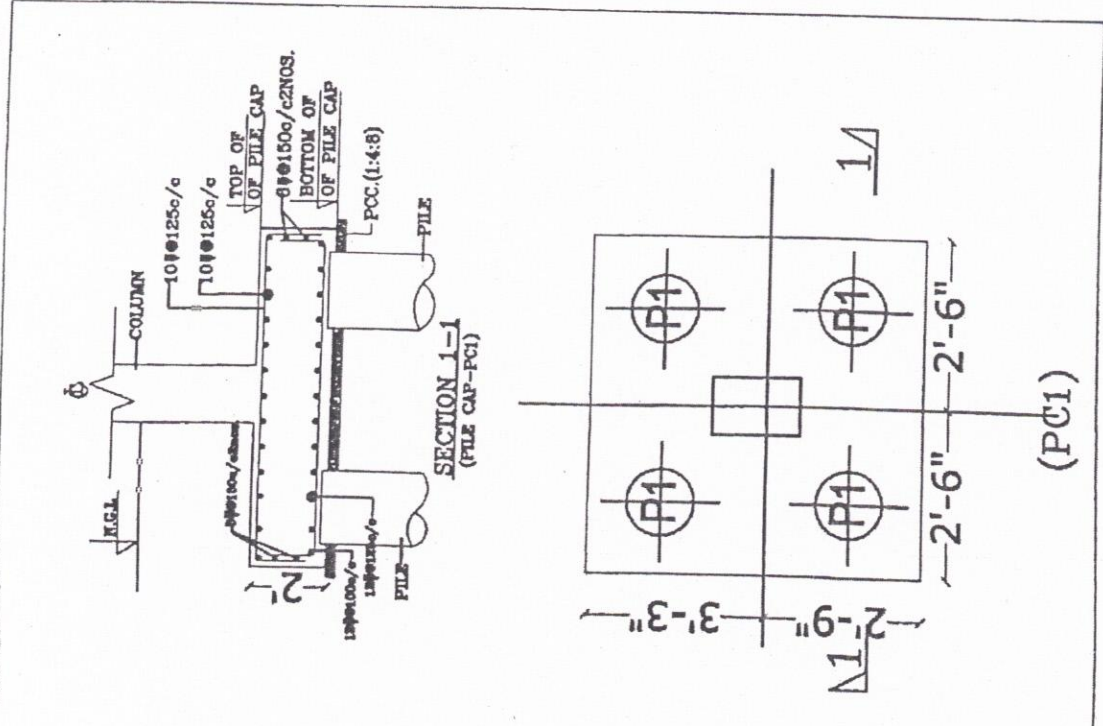
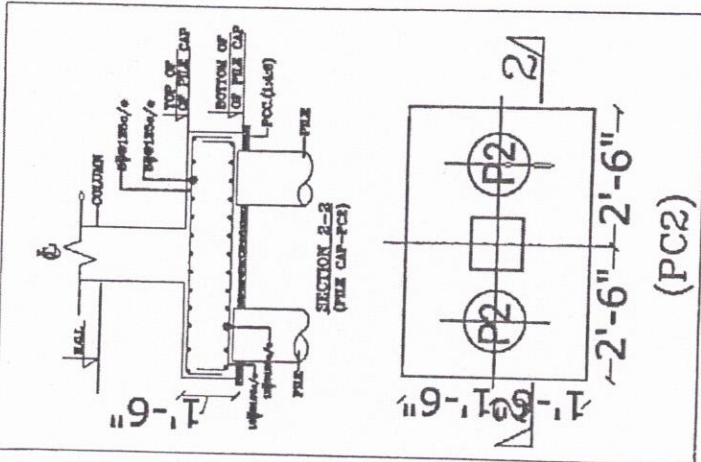
ARCHITECTS

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PILE TABLE

PILE NAME	PILE DIA IN (MM)	LENGTH BELOW CUT OFF LVL. IN (M)	REINFORCEMENT	TIES
P1	300	7 Mtr	6-12 ϕ	8 ϕ 100c/c
P2	300	5 Mtr	5-12 ϕ	8 ϕ 100c/c



FILE

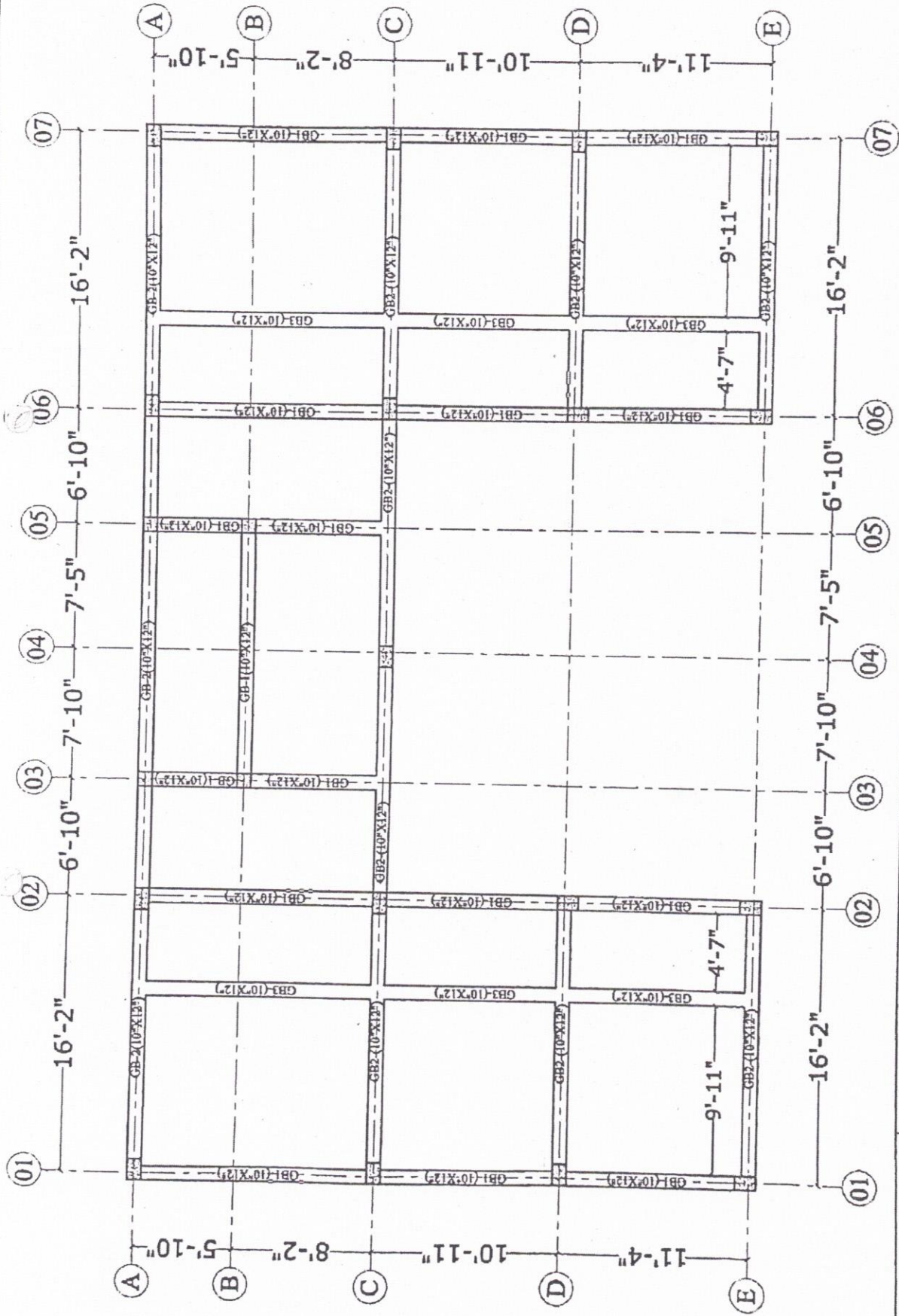
**PILE & PILE CAP
DETAIL PLAN**

PROJECT

**DAV PUBLIC SCHOOL, GOLA ROAD, PATNA,
BIHAR**

ARCHITECTS

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LE

RADE BEAM PLAN

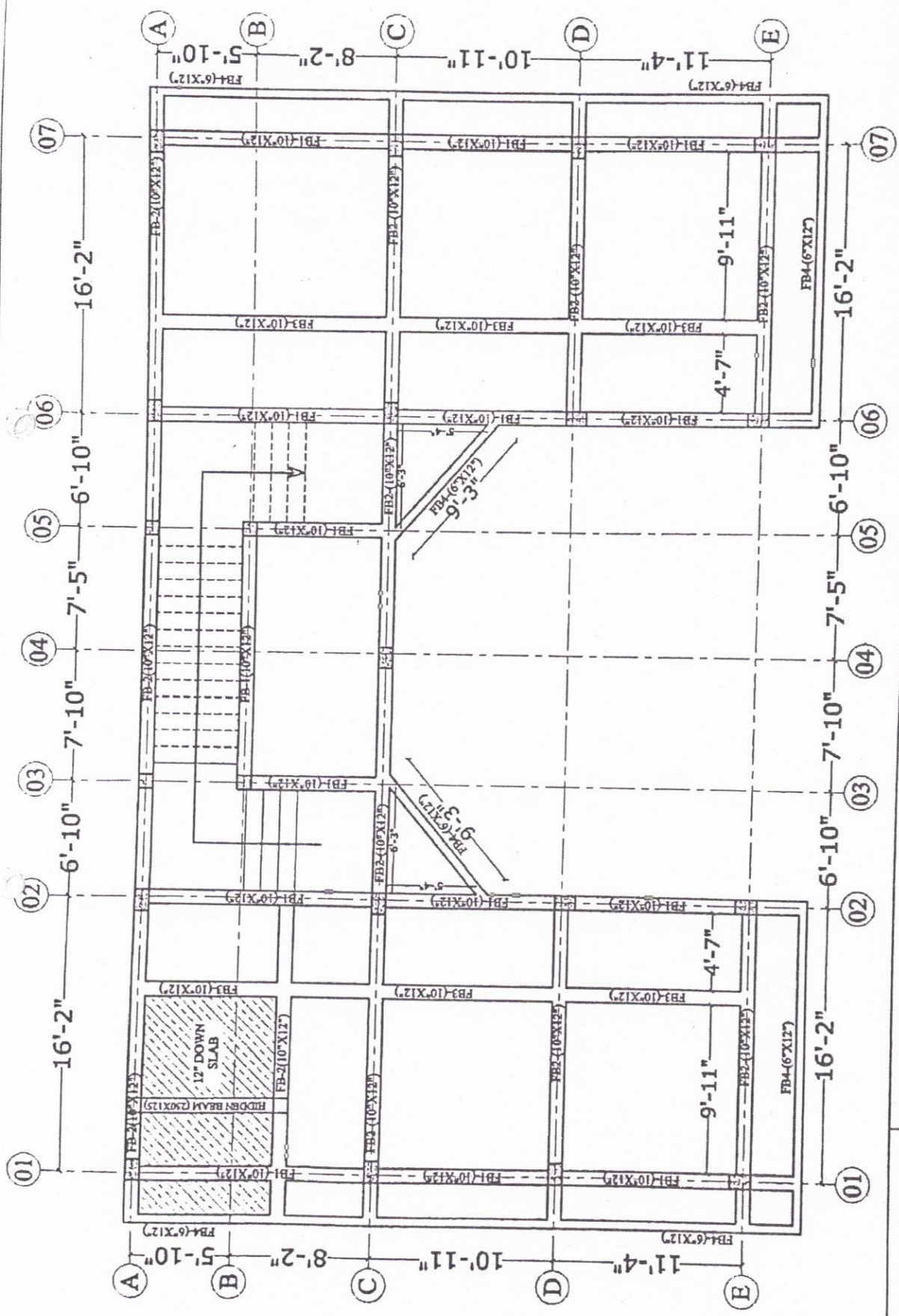
PROJECT

DAV PUBLIC SCHOOL, GOLA ROAD, PATNA,
BIHAR

ARCHITECTS

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LE

AMING BEAM PLAN
GROUND FLOOR
1ST SLAB

PROJECT

DAV PUBLIC SCHOOL, GOLA ROAD, PATNA,
BIHAR

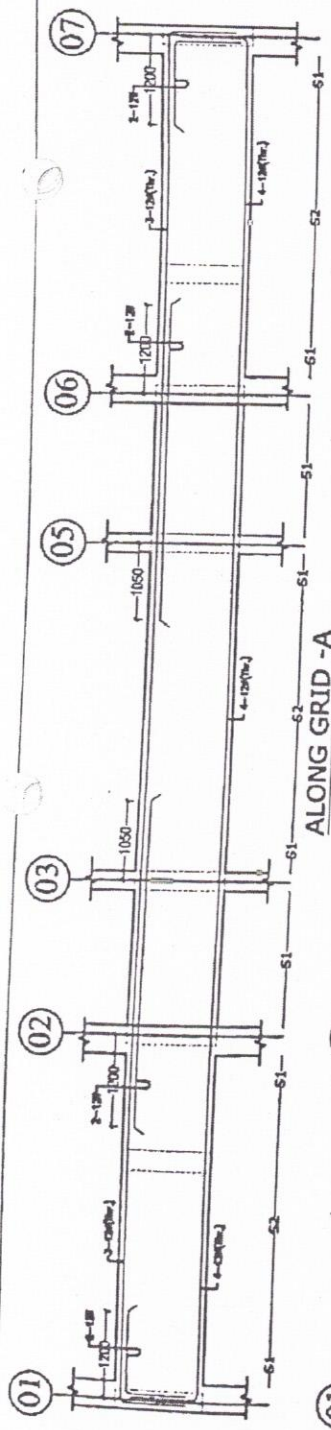
ARCHITECTS

HAPPY & ASSOCIATES

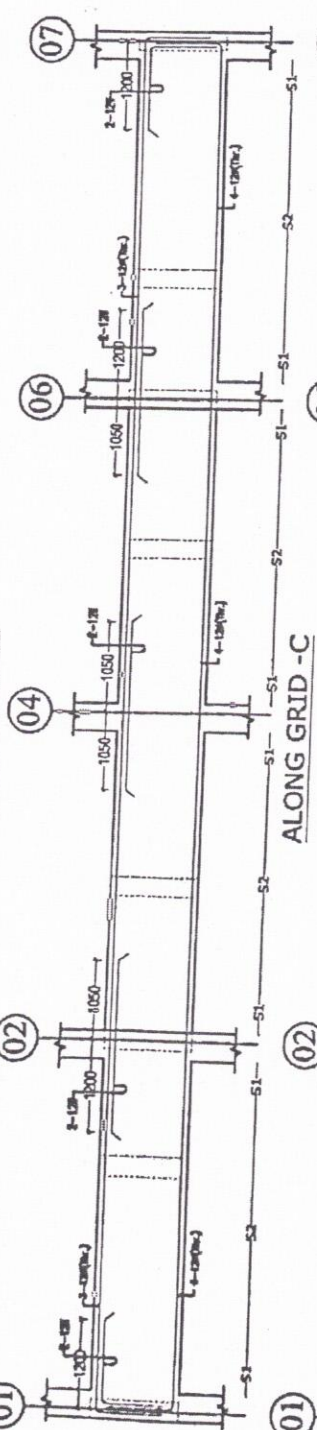
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STIRRUP SCHEDULE

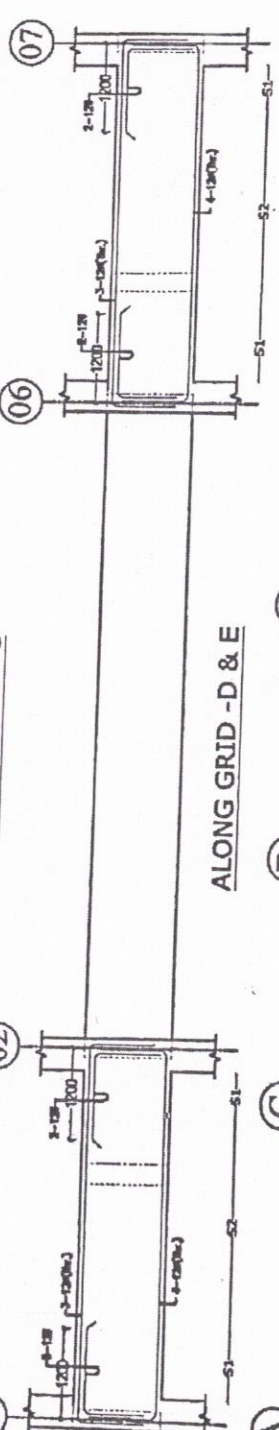
S1	8/6Φ(2L)@100C/C
S2	8/6Φ(2L)@150C/C



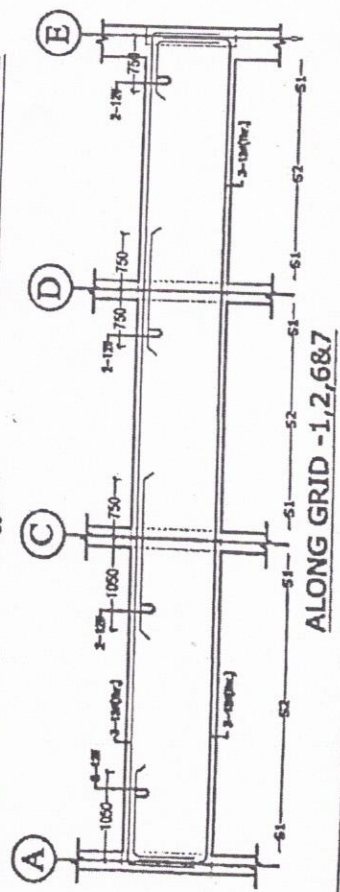
ALONG GRID - A



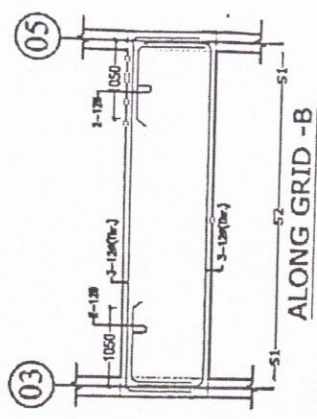
ALONG GRID - B



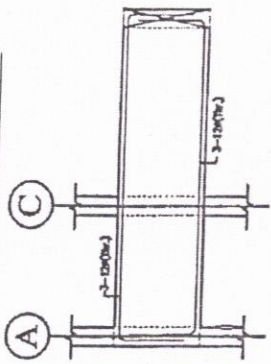
ALONG GRID - C



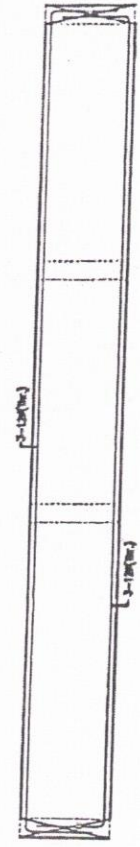
ALONG GRID - D & E



ALONG GRID - B



ALONG GRID - 3&5



GB3-10"X12"

LE

**GRADE BEAM SECTION
DETAIL PLAN**

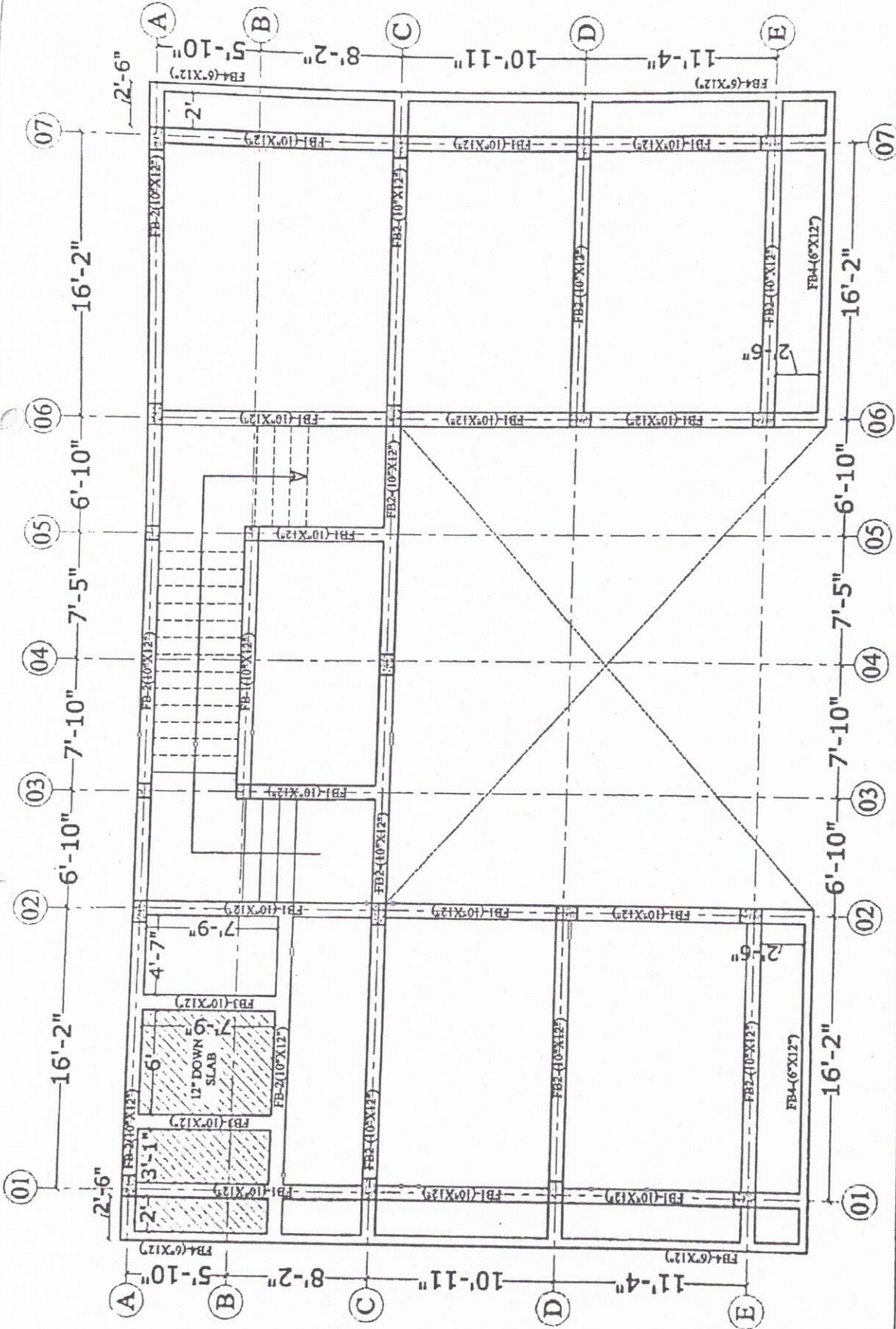
PROJECT

**DAV PUBLIC SCHOOL, GOLA ROAD, PATNA,
BIHAR**

ARCHITECTS

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**DAV PUBLIC SCHOOL, GOLA ROAD, PATNA,
 BIHAR**

PROJECT

**AMING BEAM PLAN
 FIRST FLOOR
 2ND SLAB**

LE

M/S HAPPY AND ASSOCIATES

ARCHITECTS, ENGINEERS, INTERIOR DESIGNERS

Add:- 1st floor, Lalit Bhawan, Opp Dhoop Factory, New Godown, Gaya - 823001 (Bihar)

Mob. No. 7739269750, 09776824147 / Email : happyandassociate@gmail.com, sinha.prashant100@gmail.com

ABSTRACT OF COST FOR NEW BLOCK(G+3) CONSTRUCTION AT D.A.V PUBLIC SCHOOL, GOLA ROAD, PATNA, BIHAR

Ref no

Date

Serial	SoR	Particulars	Quantity	Rate	Unit	Amount
		(A) Foundation				
		Cov .Area of Foundation=1091				
		Section - I (Earth work And sand Filling)				
1	20.2.1	Boring, providing and installing bored cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring, with bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc. all complete, including removal of excavated earth with all lifts and leads (Length of pile for payment shall be measured upto bottom of pile cap). 300 mm dia piles	180.0	884.70	RM	
2	2.6	Earth work in excavation over areas (exceeding 30 cm in depth. 1.5 m in width as well es 10 sqm on plan) including disposal of excavated earth , lead upto 50 m and lift upto 1.5 m; disposed earth to be levelled and neatly dressed.				
	2.6.1	All Kinds of soil	27.5	225.40	Cu m	
3	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.	100.0	204.40	cu m	

SECTION-II (P C C / R C C WORK)					
4	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level.			
	4.1.8	1.4.8 (1 Cement :4 coarse sand :8 graded stone agregate 40 mm nominal size)	6.5	2,670.60	Cu m
5	5.1.2	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring ,shuttering ,finishing and reinforcement-1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	17.0	4,530.30	Cu m
6	5.9	Centring and shuttering including strutting,propping etc. and removal of form for.			
	5.9.1	Foundations, footings, bases of columns etc. for mass concrete.	172.0	169.00	Sq m
7	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.			
	5.22.1	Mild steel 6.00 mm dia	650.0	54.30	KG
	5.22.7A	Thermo-Mechanically Treated bars TMTC-500-8mm dia.	720.0	56.00	KG
	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	550.0	54.70	KG
	5.22.7C	Thermo-Mechanically Treated bars TMTC-500-12mm dia.	2,800.0	53.40	KG
	5.22.7D	Thermo-Mechanically Treated bars TMT Fe-500-16mrn dia.	192.0	54.40	KG
SECTION-III (MASONRY WORK)					
8	6.18.4A	Half brick masonry with bricks of class designation 100A in foundations and plinth in :Cement mortar 1:4 (1 cement: 4 coarse sand)	65	555.1	Sq m
TOTAL					
COST OF CONSTRUCTION PER Sq Ft					

S.NO	SOR	PARTICULARS	QUANTITY	RATE	UNIT	AMOUNT
		(B) GROUND FLOOR				
		Cov Area of Ground floor = 1091 Sq Ft				
		SECTION - I (SAND FILLING)				
1	NA	Site preparation				2,000
		SECTION - II (R C C WORK)				
2	5.3	R C C work in beams, suspended floors, roofs having slope upto 15, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4 (1 cement:2 coarse sand:4 graded stone aggregate 20 mm nominal size).	11.0	4,671.80	Cu m	
3	5.4	Providing and laying upto floor five level reinforced cement concrete in kerbs, steps and the like excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4 (1 cement:2 coarse sand:4 graded stone aggregate 20mm nominal size).	0.8	4,444.30	Cu m	
	5.9	Centring and shuttering including strutting, propping etc. and removal of form for.				
4	5.9.3	Suspended floors, roof, landings, balconies and access platform.	102.0	291.00	sq m	
	5.9.5	Lintels, beams, plinth bams, grids, bressumers and cantilevers.	22.0	261.70	sq m	
	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	92.0	357.60	sq m	
	5.9.7	Stairs, (excluding landings) except spiral-staircases.	4.4	328.90	sq m	

	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
5	5.22.1	Mild steel 6.00 mm dia	79.0	54.30	KG	
	5.22.7A	Thermo-Mechanically Treated bars TMTC-500-8mm dia.	751.0	56.00	KG	
	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	886.0	54.70	KG	
	5.22.7C	Thermo-Mechanically Treated bars TMTC-500-12mm dia.	770.0	53.40	KG	
	5.22.7D	Thermo-Mechanically Treated bars TMT Fe-500-16mm dia.	585.3	54.40	KG	
		SECTION- III (MASONRY WORK)				
6	6.1.14A	Brick work with bricks of class designation 100A in superstructure above plinth level upto floor V level in cement mortar 1:6 (1 cement:6 coarse sand)	28.0	4,490.60	Cu m	
		SECTION IV- (FLOORING WORK)				
7	11.41.2	Providing and laying vitrified floor tiles in different sizes {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.	124.0	1,694.30	Sq m	
8	11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy , bottle green , black of any size as approved by Engineer-in-charge in skirting , risers of steps and dados over 12 mm thick bed of cement Motar 1:3(1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	12.4	1,521.30	Sq m	

SECTION - V (PLASTER WORK)						
9	13.11.4	12 mm cement plaster of mix:1:6 (1 cement: 6 coarse sand)	564.0	101.20	sq m	
10	13.24.2	6 mm cement plaster to ceiling of mix :1:4(1 cement: 4 coarse sand)	91.4	87.40	sq m	
SECTION- VI (CARPENTRY,STEEL,HARDWARE)						
11	10.14.1	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10 cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required including	52.0	73.50	Kg	
12	10.12.1	Providing and fixing steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15x3 mm lugs 10 cm long with steel lugs embedded in cement concrete blocks 15x10x10 cm of 1:3:6(1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of glass panes with glazing clips and special metal-sash putty of approved make complete including applying a priming coat of approved steel primer; excluding the cost of metal beading and other fitting except	5.2	2,843.00	Sq m	
13	9.5.1.2	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S.pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge.30 mm thick	17.8	2,219.00	Sq m	
14	9.48.1	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.Fixed to steel windows by welding	80.0	86.00	kg	

SECTION - VII (FINISHING WORK)						
15	13.79.1	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shadeNew work (three or more coats)	502.0	63.20	Sq m	
16	13.77.2	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shadeNew work (two or more coats) over and including priming coat with cement primer	502.0	69.10	Sq m	
SECTION - VIII (MISCELLANEOUS ITEM)						
17	N A	Providing and fixing circular/hexagonal cast iron or M s Sheet box for ceiling fan clamp of internal dia 140mm ,73mm height ,top lid of 1.5 mm thick with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron /M S sheet box by means of 3.3 mm dia round headed screws one lock at the corners clamp shall be made of 12mm dia M S bar bent to shape as per standard drawing.	4.0	100.00	each	
TOTAL						
COST OF CONSTRUCTION PER SQ FT						

S.NO	SOR	PARTICULARS	QUANTITY	RATE	UNIT	AMOUNT
		(C) FIRST FLOOR				
		Cov Area of Ground floor =984 Sq Ft				
		SECTION - I (SAND FILLING)				
1	N A	Site prepration				
		SECTION - II (R C C WORK)				
2	5.3	R C C work in beams,suspended floors, roofs having slope upto 15, landings,balconiec, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excludingthe cost of centring, shuttering, finishing and reinforcement with 1:2:4(1 cement:2 coarse sand:4 graded stone aggregate 20 mm nominal size).	25.0	4,671.80	Cu m	
3	5.4	Providing and laying upto floor five level reinforced cementconcrete in kerbs, steps and the like excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4(1cement:2 coarse sand:4 graded stone aggregate 20mm nominal size).	0.3	4,444.30	Cu m	
	5.9	Centring and shuttering including strutting,propping etc. and removal of form for.				
	5.9.3	Suspended floors, roof, landings, balcnies and access platform.	91.0	291.00	sq m	
	5.9.2	Walls (any thickness) including attached pilasters. Butteresses, plinth and string courses etc.	63.4	262.30	sq m	
	5.9.5	Lintels, beams, plinth bams, gridsers, bressumers and contilevers.	22.0	261.70	sq m	
	5.9.6	Columns,Pillars, Piers, Abutments, Posts and Struts	84.6	357.60	sq m	
	5.9.7	Stairs,(excluding landings) except spiral-staircases.	4.4	328.90	sq m	

5	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
	5.22.1	Mild steel 6.00 mm dia	79.0	54.30	KG	
	5.22.7A	Thermo-Mechanically Treated bars TMTC-500-8mm dia.	751.0	56.00	KG	
	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	886.0	54.70	KG	
	5.22.7C	Thermo-Mechanically Treated bars TMTC-500-12mm dia.	770.0	53.40	KG	
	5.22.7D	Thermo-Mechanically Treated bars TMT Fe-500-16mm dia.	585.3	54.40	KG	
SECTION- III (MASONRY WORK)						
6	6.1.14A	Brick work with bricks of class designation 100A in superstructure above plinth level upto floor V level in cement mortar 1:6 (1 cement:6 coarse sand)	34.0	4,490.60	Cu m	
SECTION IV-(FLOORING WORK)						
7	11.41.2	Providing and laying vitrified floor tiles in different sizes {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.	91.4	1,694.30	Sq m	
8	11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy , bottle green , black of any size as approved by Engineer-in-charge in skirting , risers of steps and dados over 12 mm thick bed of cement Motar 1:3(1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	12.4	1,521.30	Sq m	
SECTION -V (PLASTER WORK)						
9	13.11.4	12 mm cement plaster of mix:1:6 (1 cement: 6 coarse sand)	564.0	101.20	sq m	
10	13.24.2	6 mm cement plaster to ceiling of mix :1:4(1 cement: 4 coarse sand)	91.4	87.40	sq m	

SECTION- VI (CARPENTRY,STEEL,HARDWARE)						
11	10.14.1	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10 cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required including	59.6	73.50	Kg	
12	10.12.1	Providing and fixing steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15x3 mm lugs 10 cm long with steel lugs embedded in cement concrete blocks 15x10x10 cm of 1:3:6(1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of glass panes with glazing clips and special metal-sash putty of approved make complete including applying a priming coat of approved steel primer; excluding the cost of metal beading and other fitting except	5.4	2,843.00	Sq m	
13	9.5.1.2	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S.pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge.30 mm thick	4.2	2,219.00	Sq m	
14	9.48.1	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.Fixed to steel windows by welding	92.0	86.00	kg	

SECTION- VII (FINISHING WORK)						
15	13.79.1	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade New work (three or more coats)	564.0	63.20	Sq m	
16	13.77.2	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade New work (two or more coats) over and including priming coat with cement primer	564.0	69.10	Sq m	
SECTION - VIII (MISCELLANEOUS ITEM)						
17	NA	Providing and fixing circular/hexagonal cast iron or M s Sheet box for ceiling fan clamp of internal dia 140mm ,73mm height .top lid of 1.5 mm thick with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron /M S sheet box by means of 3.3 mm dia round headed screws one lock at the corners clamp shall be made of 12mm dia M S bar bent to shape as per standard drawing.	4.0	100.00	each	
TOTAL						
COST OF CONSTRUCTION PER SQ FT						

S.NO	SOR	PARTICULARS	QUANTITY	RATE	UNIT	AMOUNT
		(D) SECOND FLOOR				
		Cov Area of Ground floor =984 Sq Ft				
		SECTION - I (SAND FILLING)				
1	N A	Site preparation				
		SECTION - II (R C C WORK)				
2	5.3	R C C work in beams,suspended floors, roofs having slope upto 15, landings,balconiec, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excludingthe cost of centring, shuttering, finishing and reinforcement with 1:2:4(1 cement:2 coarse sand:4 graded stone aggregate 20 mm nominal size).	10.5	4,671.80	Cu m	
3	5.4	Providing and laying upto floor five level reinforced cementconcrete in kerbs, steps and the like excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4(1cement:2 coarse sand:4 graded stone aggregate 20mm nominal size).	0.8	4,444.30	Cu m	
	5.9	Centring and shuttering including strutting,propping etc. and removal of form for.				
4	5.9.3	Suspended floors, roof, landings, balcnies and	200.0	291.00	sq m	
	5.9.2	Walls (any thickness) including attached	63.4	262.30	sq m	
	5.9.5	Lintels, beams, plinth bams, griders, bressumers and contilevers.	34.0	261.70	sq m	
	5.9.6	Columns,Pillars, Piers, Abutments, Posts and Struts	102.0	357.60	sq m	

5	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
	5.22.1	Mild steel 6.00 mm dia	79.0	54.30	KG	
	5.22.7A	Thermo-Mechanically Treated bars TMTC-500-8mm dia.	850.0	56.00	KG	
	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	960.0	54.70	KG	
	5.22.7C	Thermo-Mechanically Treated bars TMTC-500-12mm dia.	792.0	53.40	KG	
	5.22.7D	Thermo-Mechanically Treated bars TMT Fe-500-16mm dia.	620.0	54.40	KG	
SECTION- III (MASONRY WORK)						
6	6.1.14A	Brick work with bricks of class designation 100A in superstructure above plinth level upto floor V level in cement mortar 1:6 (1 cement:6 coarse sand)	34.0	4,490.60	Cu m	
SECTION IV-(FLOORING WORK)						
7	11.41.2	Providing and laying vitrified floor tiles in different sizes (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.	102.0	1,694.30	Sq m	
8	11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy , bottle green , black of any size as approved by Engineer-in-charge in skirting , risers of steps and dados over 12 mm thick bed of cement Motar 1:3(1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	12.4	1,521.30	Sq m	
SECTION -V (PLASTER WORK)						
9	13.11.4	12 mm cement plaster of mix:1:6 (1 cement: 6 coarse sand)	564.0	101.20	sq m	
10	13.24.2	6 mm cement plaster to ceiling of mix :1:4(1 cement: 4 coarse sand)	91.4	87.40	sq m	

SECTION- VI (CARPENTARY,STEEL,HARDWARE)						
11	10.14.1	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10 cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required including	64.0	73.50	Kg	
12	10.12.1	Providing and fixing steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15x3 mm lugs 10 cm long with steel lugs embedded in cement concrete blocks 15x10x10 cm of 1:3:6(1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of glass panes with glazing clips and special metal-sash putty of approved make complete including applying a priming coat of approved steel primer; excluding the cost of metal beading and other fitting except	3.8	2,843.00	Sq m	
13	9.5.1.2	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S.pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge.30 mm thick	4.2	2,219.00	Sq m	
14	9.48.1	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.Fixed to steel windows by welding	80.0	86.00	kg	
SECTION- VII (FINISHING WORK)						
15	13.79.1	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade New work (three or more coats)	564.0	63.20	Sq m	

16	13.77.2	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade New work (two or more coats) over and including priming coat with cement primer	564.0	69.10	Sq m	
SECTION - VIII (MISCELLANEOUS ITEM)						
17	NA	Providing and fixing circular/hexagonal cast iron or M s Sheet box for ceiling fan clamp of internal dia 140mm ,73mm height .top lid of 1.5 mm thick with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron /M S sheet box by means of 3.3 mm dia round headed screws one lock at the corners clamp shall be made of 12mm dia M S bar bent to shape as per standard drawing.	4.0	100.00	each	
TOTAL						
COST OF CONSTRUCTION PER SQ FT						

S.NO	SOR	PARTICULARS	QUANTITY	RATE	UNIT	AMOUNT
(E) THIRD FLOOR						
Cov Area of Ground floor =984 Sq Ft						
SECTION - I (SAND FILLING)						
1	NA	Site preparation				
SECTION - II (R C C WORK)						
2	5.3	R C C work in beams,suspended floors, roofs having slope upto 15, landings,balconiec, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4(1 cement:2 coarse sand:4 graded stone aggregate 20 mm nominal size).	10.5	4,671.80	Cu m	
3	5.4	Providing and laying upto floor five level reinforced cementconcrete in kerbs, steps and the like excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4(1cement:2 coarse sand:4 graded stone aggregate 20mm nominal size).	0.8	4,444.30	Cu m	

4	5.9	Centring and shuttering including strutting, propping etc. and removal of form for.				
	5.9.3	Suspended floors, roof, landings, balconies and access platform.	102.0	291.00	sq m	
	5.9.2	Walls (any thickness) including attached pilasters. Buttersesses, plinth and string courses etc.	72.0	262.30	sq m	
	5.9.5	Lintels, beams, plinth bams, griders, bressumers and contilevers.	24.0	261.70	sq m	
	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	92.0	357.60	sq m	
	5.9.7	Stairs, (excluding landings) except spiral-staircases.	5.5	328.90	sq m	
5	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
	5.22.1	Mild steel 6.00 mm dia	79.0	54.30	KG	1,000
	5.22.7A	Thermo-Mechanically Treated bars TMTC-500-8mm dia.	800.0	56.00	KG	
	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	926.0	54.70	KG	50,000

	5.22.7C	Thermo-Mechanically Treated bars TMTC-500-12mm dia.	770.0	53.40	KG	
	5.22.7D	Thermo-Mechanically Treated bars TMT Fe-500-16mm dia.	585.3	54.40	KG	
		SECTION- III (MASONRY WORK)				
6	6.1.14A	Brick work with bricks of class designation 100A in superstructure above plinth level upto floor V level in cement mortar 1:6 (1 cement:6 coarse sand)	34.0	4,490.60	Cu m	
		SECTION IV-(FLOORING WORK)				
7	11.41.2	Providing and laying vitrified floor tiles in different sizes (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.	102.0	1,694.30	Sq m	
8	11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy , bottle green , black of any size as approved by Engineer-in-charge in skirting , risers of steps and dados over 12 mm thick bed of cement Mortar 1:3(1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	16.0	1,521.30	Sq m	

SECTION -V (PLASTER WORK)						
9	13.11.4	12 mm cement plaster of mix:1:6 (1 cement: 6 coarse sand)	564.0	101.20	sq m	
10	13.24.2	6 mm cement plaster to ceiling of mix :1:4(1 cement: 4 coarse sand)	91.4	87.40	sq m	
SECTION- VI (CARPENTARY,STEEL,HARDWARE)						
11	10.14.1	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints miltred and welded with 15x3 mm lugs 10 cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required including	64.0	73.50	Kg	
12	10.12.1	Providing and fixing steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitered and welded with 15x3 mm lugs 10 cm long with steel lugs embedded in cement concrete blocks 15x10x10 cm of 1:3:6(1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of glass panes with glazing clips and special metal-sash putty of approved make complete including applying a priming coat of approved steel primer; excluding the cost of metal beading and other fitting except	5.4	2,843.00	Sq m	
13	9.5.1.2	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S.pressed butt hinges bright finished of required size with necessery screws, excluding panelling which will be paid for separately, all complete as per direction of Engineerin-charge.30 mm thick	17.8	2,219.00	Sq m	
14	9.48.1	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.Fixed to steel windows by welding	80.0	86.00	kg	
SECTION- VII (FINISHING WORK)						

15	13.79.1	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shadeNew work (three or more coats)	564.0	63.20	Sq m	
16	13.77.2	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shadeNew work (two or more coats) over and including priming coat with cement primer	564.0	69.10	Sq m	
SECTION - VIII (MISCELLANEOUS ITEM)						
17	N A	Providing and fixing circular/hexagonal cast iron or M s Sheet box for ceiling fan clamp of internal dia 140mm ,73mm height .top lid of 1.5 mm thick with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron /M S sheet box by means of 3.3 mm dia round headed screws one lock at the corners clamp shall be made of 12mm dia M S bar bent to shape as per standard drawing.	4.0	100.00	each	
TOTAL						
COST OF CONSTRUCTION PER SQ FT						80

(F) ABSTRACT OF COST FOR ELEVATIONAL TREATMENT						
S.NO	SoR	PARTICULARS	QUANTITY	RATE	UNIT	AMOUNT
1	NA	Massing (ACP)	3,360.0	100.00	Sq ft	
2	NA	School Name plate	1.0			
TOTAL						

TOTAL COST CALCULATION						
S.NO		PARTICULARS	AREA	RATE	UNIT	
A		Foundation and plinth	1091	560.103	Sq ft	
B		Ground floor	1091	790.674	Sq ft	
C		First floor	984	888.064	Sq ft	
D		Second floor	984	890.94	Sq ft	
E		Third floor	984	893.519	Sq ft	
F		Elevation treatment				
TOTAL BUILT UP AREA			4043		Sq ft	
TOTAL COST FOR ALL FLOORS AND ELEVATION TREATMENT (A+B+C+D+E+F)						

ABSTRACT OF COST FOR CARRIAGE/ELECTRICAL AND PHE						
S.NO	SoR	PARTICULARS	QUANTITY	RATE	UNIT	
1	NA	Carriage cost (5% of the total cost)	5%			
2	NA	Electrical cost (7% of the total cost)	7%			
3	NA	Plumbing cost (3% of the total cost)	3%			
GRAND TOTAL						

RATE PER SQFT						12
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SAY TOTAL = 51,28,300/- ONLY
FIFTY ONE LAKH TWENTY EIGHT THOUSAND THREE HUNDRED ONLY