

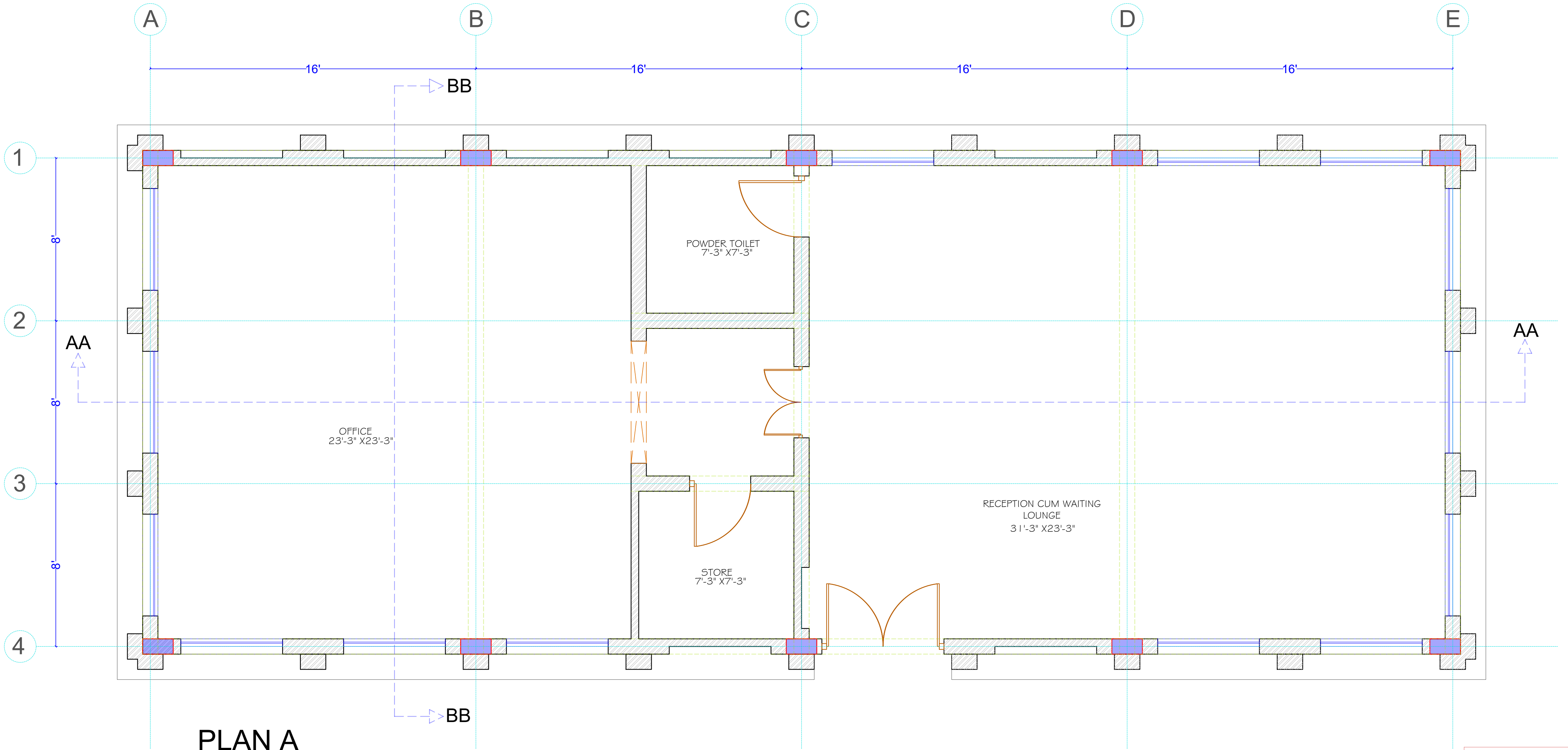
B.O.Q FOR OFFICE BLOCK AT BHILWARA (BLOCK A)**NAME OF WORK: CONSTRUCTION OF BHILWARA OFFICE**

S. NO.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
1	EARTH WORK				
1.1	Earth work in excavation by mechanical means/manual means including dressing of sides and ramming of bottoms for all kinds of soil including back filling of excavated soil in trenches, plinths, sides of foundations etc. in layers not exceeding 200mm in depth, consolidating each layer by ramming and watering complete and disposing off all excess soil within a lead of 200mm as per directions of site in charge to his entire satisfaction.		93.96		
1.2	Filling and banking with approved good quality earth from outside in trenches, plinth, side of foundations etc., in layers not exceeding 200mm in depth, consolidating each deposited layer by ramming and watering complete as per direction of the site in charge to his entire satisfaction.	CUM	50		
1.3	Providing and injecting chemical antitermite treatment; conforming to IS 6313 part II that shall create a chemical barrier under and around the foundation pits, along external perimeter in vertical height of building, etc.; all complete and conforming to IS. specifications and as per approved manufacturer's instructions and recommendation, and installed by manufacturer's approved agency with a guarantee of 10 years, all to the satisfaction of the site in charge. (Plinth area in plan at ground level shall be measured.)	SQM	151		
2	CONCRETE WORK				
2.1	Providing and laying, mechanically mixed 1:3:6 plain cement concrete (P.C.C.), using 20mm nominal size well-graded approved quality aggregate river sand as approved, including compacting, curing, cleaning preparing surfaces, junctions etc. excluding shuttering complete to the satisfaction of the site in charge at all depths and leads.	CUM	31.62		
2.2	Providing and laying 6" thick stone soling under floor	SQM	0		
2.3	Providing and laying, design mix grade M-25, reinforced cement concrete (R.C.C.) in sub structure by using minimum 410 kg of cement per cum of concrete for slabs, columns & footing, etc. using 20 mm nominal well-graded approved quality aggregate and river sand as per approved design mix; using approved admixtures including pumping, pouring, spreading, vibrating/ compacting, curing, scaffolding, cleaning, preparing surfaces, junctions, hacking closely in surfaces to be plastered etc., excluding reinforcement & centering/shuttering, complete to the satisfaction of the site in charge at all depths, heights & leads.	CUM	60.61		
2.4	Providing and laying water proof layer of film of HDPE sheet (0.2 Kg./Sq.M) on sub base to receive PCC/RCC base slab above the film to be over lapped over Damp proof course (DPC) provided on the wall.	SQM	0		
3	REINFORCEMENT WORK				

3.1	Straightening, cutting, bending and binding in position reinforcement bars, to correct shape and size as per detailed drawings, specifications and checking bar-bending schedules as issued by site in charge, for all reinforced concrete work in sub structure such as columns footing, plinth beams etc., with correct size approved concrete cover blocks of same grade as of concrete and M.S. binding wire of 18 gauge, provide required labour and machines, for bending etc. all complete to the satisfaction of the site in charge at all depths & leads including providing Chairs, spacers, separators, approved pre cast concrete spacer blocks etc. complete.				
	Tor HYSD bars - Fe - 500 grade.	Kg	6000		
4	CENTERING & SHUTTERING				
	Providing, and fixing form work (Centering/ shuttering) of any shape and design, with required height of staging & supporting and its removal etc. complete to the satisfaction of the site in charge up to 5M height.				
a)	Footing	SQM	33.81		
b)	plinth beam	SQM	62.45		
c)	Slab and beam, column	SQM	391.45		
5	MASONRY WORK				
5.1	Providing and constructing cement concrete solid black stone masonry in sub structure with locally available cement mortar CM 1:6 cement mortar (1 cement : 6 sand) laid in specified courses including raking out joints, curing, doing independent double legged scaffolding, all complete as per specifications etc. at all heights depths & leads, all as directed by site in charge to his entire satisfaction.	CUM	27		
5.2	Providing and constructing 230mm or more thick masonry in super structure with locally available first quality bricks having minimum crushing strength 100 Kg/Sq. cm and water absorption maximum 20% in cement mortar CM 1:6 cement mortar (1 cement : 6 sand) laid in specified courses of approved bond and including raking out joints, curing, doing independent double legged scaffolding, all complete as per specifications etc. at all heights depths & leads, all as directed by site in charge to his entire satisfaction up to 5M height.	CUM	61.98		
6	PLASTERING WORK				
	Providing and applying 12-15 mm thick INSIDE & OUTSIDE plaster in cement mortar mix ratio CM 1:4 (1 cement : 4 sand) to internal surfaces (wall) of concrete and masonry work; including preparing junctions of concrete and masonry by neat cleaning; also providing and fixing expanded metal mesh of approved quality @ 150mm wide to junctions of concrete and masonry fixing with screws and washers & panel plug, preparing, jambs, sills, rounding of corners, etc. all complete as per architectural drawings, finished smooth with wooden rundha etc, or as specified by the Architect / site in charge; at all leads , depth and lifts, doing independent double - legged scaffolding, cleaning of surfaces, curing, etc. complete as per specification and to the approval of the site in charge.				
a)	Inside	SQM	429.2		
b)	Outside	SQM	334		
7	RAIN WATER PIPE FIXING WORK				

	Fixing, jointing and testing in position of ISI marked UV stabilized 150 MM dia PVC pipes for Rain water pipeType-B (Pressure rating min. 6 Kg./Cm2) as per IS : 13592 suitable for rubber ring joints, including all necessary specials and fittings (confirming to IS:14735) i.e. bends, tees, junctions (with or without doors), reducing bush, reducers, after pipes have been duly laid and tested. The rubber ring shall confirm to IS:5382.	RM	RATE ONLY		
8	GRANITE WORK				
	Providing and fixing granite stone slab mirror polished and machine edge cut in walls, pillars, steps, shelves, sills counters, floor etc. laid on 12mm(Av.) thick base of cement mortar 1:3 (1 cement :3 coarse sand) jointing with white cement mortar 1:2 (1 white cement:2 marble dust) with pigment to match the shade of the marble slab including grinding, rubbing and polishing complete top of parapet.	SQM	0		
9	KOTA STONE FLOORING				
	Kota stone flooring 25mm thick over 20mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and granite polishing complete with base of cement mortar 1:4 (1 cement : 4 coarse sand) size 600 x 600	SQM			

10	INTERNAL FINISH				
a)	Internal Putty 2 coats or more coat made with internal putty and linseed oil on all internal surfaces including ceiling to give a smooth & even finish Washable oil bound Distemper of superior quality on walls and ceiling. (Make- ICI magic acrylic distemper)	SQM	429.2		
b)	Providing and fixing of velvet paint inside the rooms with lines and levels including of all scaffolding and extra material.	SQM	429.2		
11	EXTERNAL FINISH				
	a) Exterior walls with primer and repair with external putty to give a smooth surface followed by exterior grade paint of Asian or Dulux b) Ceiling with primer and repair with external unitile putty to give a smooth surface followed by grade paint of Asian or Dulux.	SQM	334		
12	TERRACE & OVERHEAD WATER PROOFING				
	Chemical water proofing with Acrylic co-polymer from Choksey, Apex or BSF company followed by C.C. grade M-15 mixed with water proofing compound in required thickness to maintain the desired slope. [Minimum thickness 2" at Khurrah] with top finish to be terrazzo TILE terracing.	SQM	136.61		
13	DOOR AND FRAMES				
	Providing and fixing of 2.5"x5" door frame in teak wood. With polish and complete finishing.	RMT	27.43		
14	UPVC WINDOW				
	Providing and fixing of UPVC WINDOWS approved by architect with complete set of shop drawings and glass details.	SQM	61.8		
15	TEAK DOOR SHUTTERS				
	Providing and fixing DOOR shutters in teak wood with complete finish in PU finish and malamine polish. Including all accessories inclusive of door lock, door stopper, dust seal, door nob etc as per selection.	SQM	10.74		



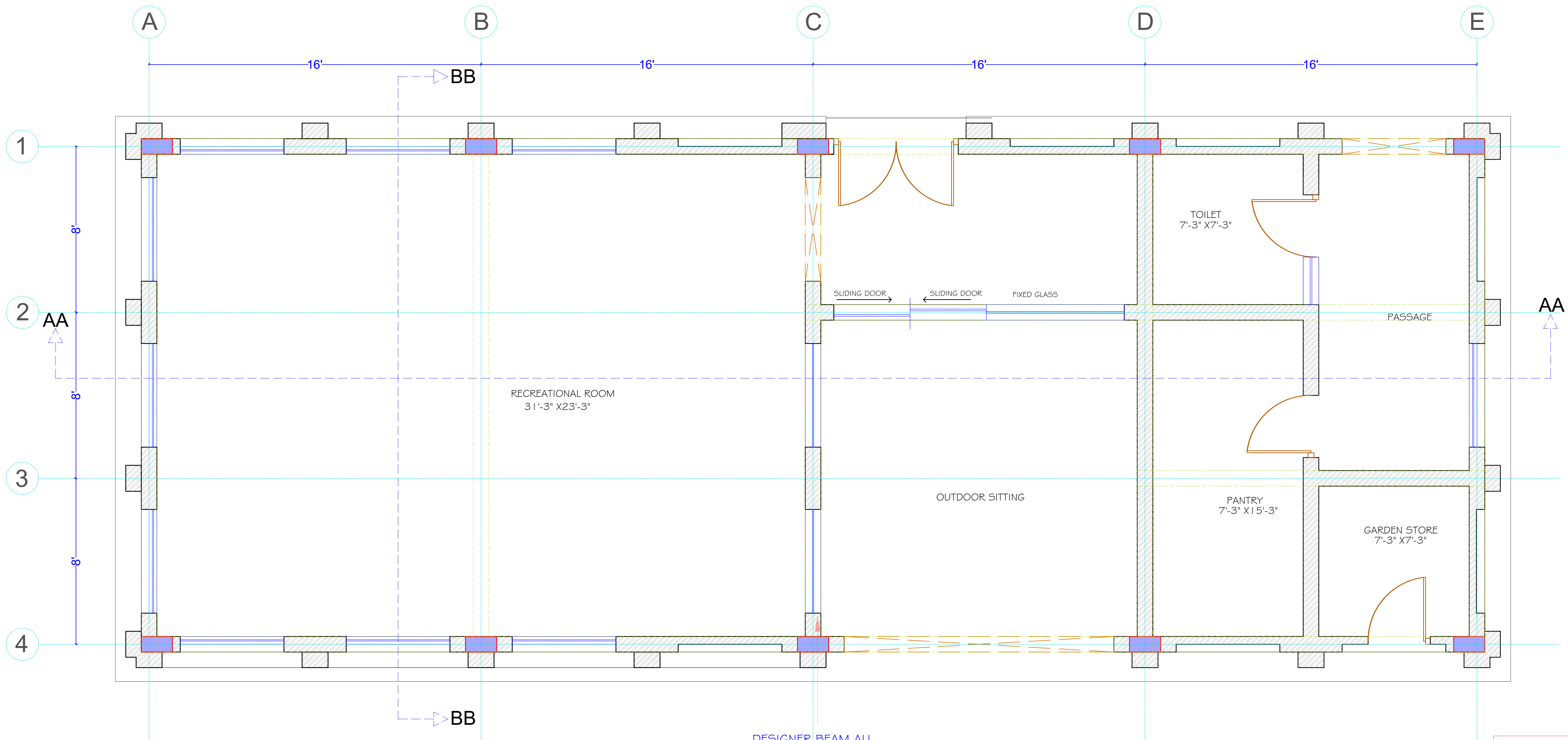
ARCHITECT:
NEERAV GUPTA
CA/2009/44766
L-1, KRISHNA MARG, C- SCHEME,
JAIPUR (302001), RAJASTHAN.PH.0141-2360825
E-Mail-architect_neeravgupta@yahoo.com

PROJECT:
BHILWARA RESIDENCE

DRAWING TTITLE:
**OFFICE AREA
SHUTTERING PLAN**

DRAWN BY: DEEPIKA	SCALE: N.T.S	DATE: 19-11-2020
CHECKED BY:NEERAV GUPTA	DRAWING NO.:	

NOTES:
THE COPYRIGHT AND PROPERTY OF THIS DESIGN AND DRAWING
BELONGS TO **RAVY KUMAR GUPTA** IT MUST NOT BE COPIED OR
REPRODUCED IN ANY MANNER WITHOUT THEIR WRITTEN
CONSENT. A LEGAL ACTION AS PER LAW MAY BE INITIATED
AGAINST THE OFFENDER.



PLAN B

DESIGNER BEAM ALL
BEAM(9"X12") IS
POSSIBLE BEAM
LESS

ARCHITECT:
NEERAV GUPTA
CA/2009/44766
L-1, KRISHNA MARG, C- SCHEME,
JAIPUR (302001), RAJASTHAN.PH.0141-2360825
E-Mail-architect_neeravgupta@yahoo.com

PROJECT:
BHILWARA RESIDENCE

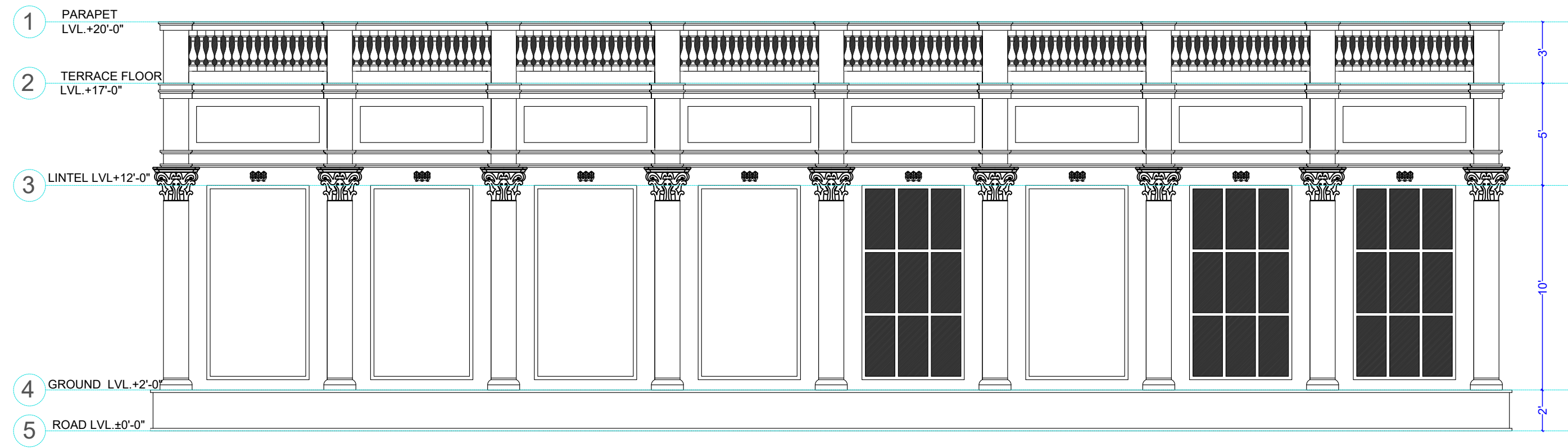
DRAWING TITLE:
**OFFICE AREA
SHUTTERING PLAN**

DRAWN BY: DEEPIKA	SCALE: N.T.S	DATE: 19-11-2020
CHECKED BY: NEERAV GUPTA	DRAWING NO.:	

NOTES:
THE COPYRIGHT AND PROPERTY OF THIS DESIGN AND DRAWING
BELONGS TO **RAVY KUMAR GUPTA** IT MUST NOT BE COPIED OR
REPRODUCED IN ANY MANNER WITHOUT THEIR WRITTEN
CONSENT. A LEGAL ACTION AS PER LAW MAY BE INITIATED
AGAINST THE OFFENDER.



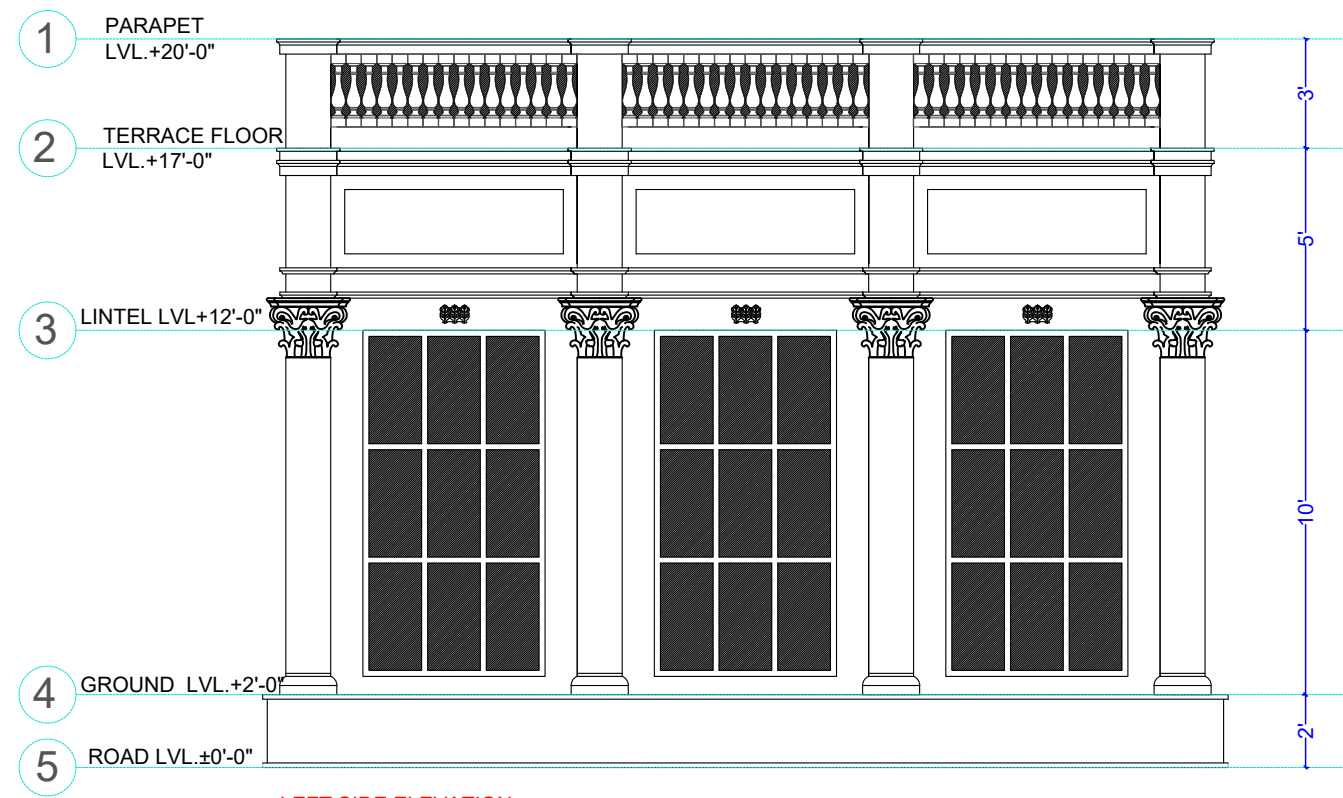
FRONT SIDE ELEVATION



BACK SIDE ELEVATION



RIGHT SIDE ELEVATION



LEFT SIDE ELEVATION

TYPICAL ELEVATION PLAN A AND PLAN B

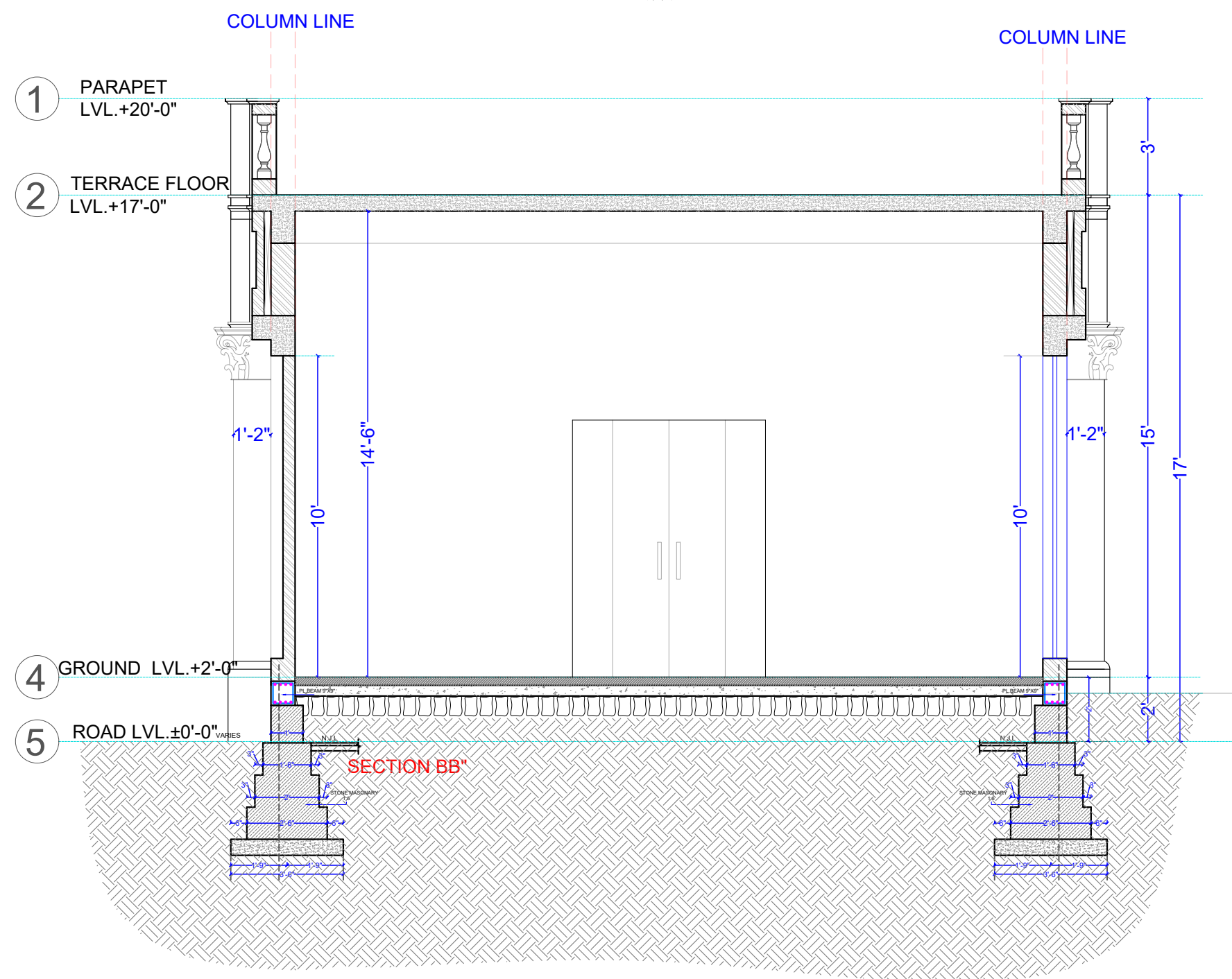
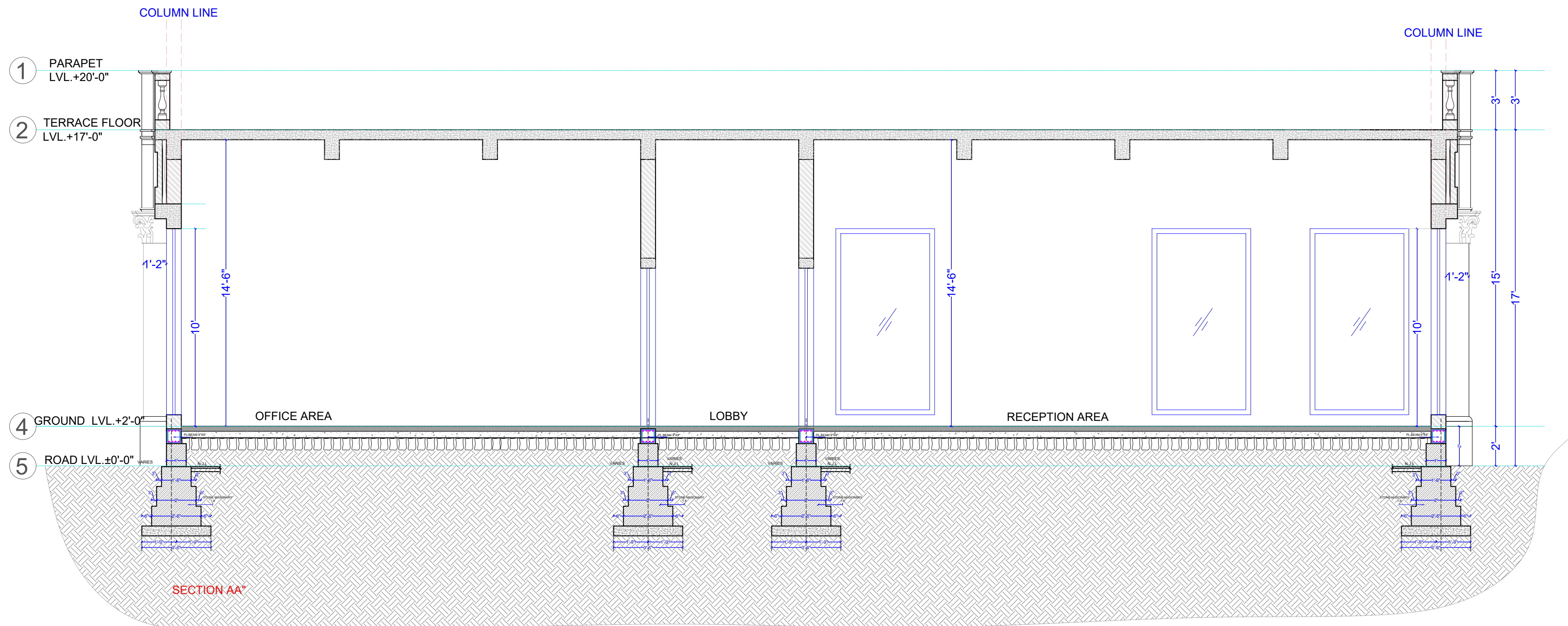
ARCHITECT:
NEERAV GUPTA
CA/2009/44766
L-1, KRISHNA MARG, C- SCHEME,
JAIPUR (302001), RAJASTHAN.PH.0141-2360825
E-Mail-architect_neeravgupta@yahoo.com

PROJECT:
BHILWARA RESIDENCE

DRAWING TTLE:
**OFFICE AREA
ELEVATION**

DRAWN BY: DEEPIKA	SCALE: N.T.S	DATE: 19-11-2020
CHECKED BY: NEERAV GUPTA	DRAWING NO.:	

NOTES:
THE COPYRIGHT AND PROPERTY OF THIS DESIGN AND DRAWING
BELONGS TO **RAVY KUMAR GUPTA** IT MUST NOT BE COPIED OR
REPRODUCED IN ANY MANNER WITHOUT THEIR WRITTEN
CONSENT. A LEGAL ACTION AS PER LAW MAY BE INITIATED
AGAINST THE OFFENDER.



PLAN A SECTION DETAIL

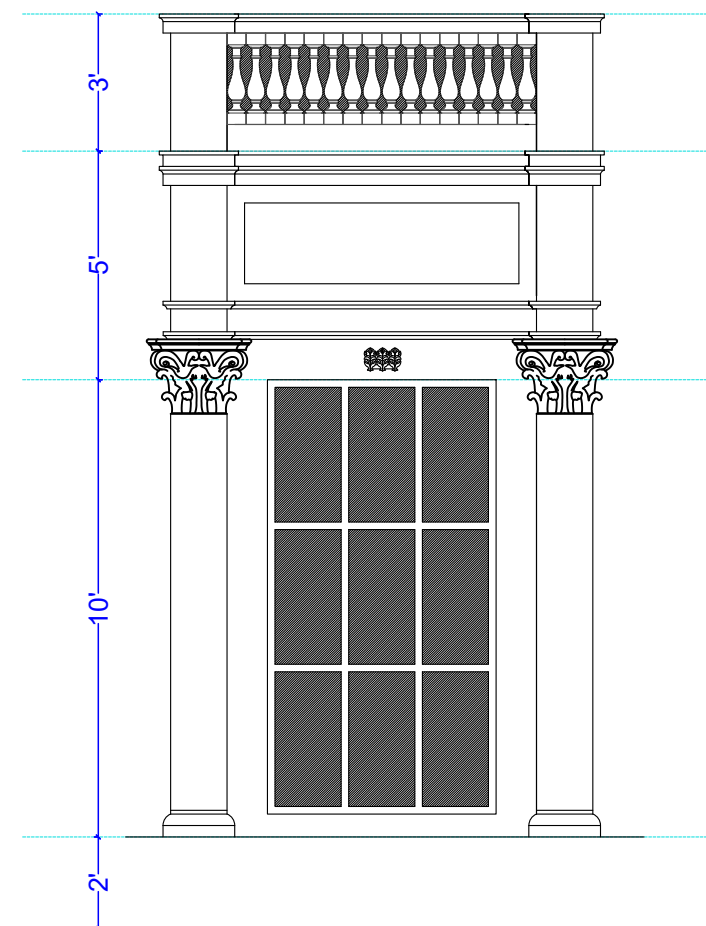
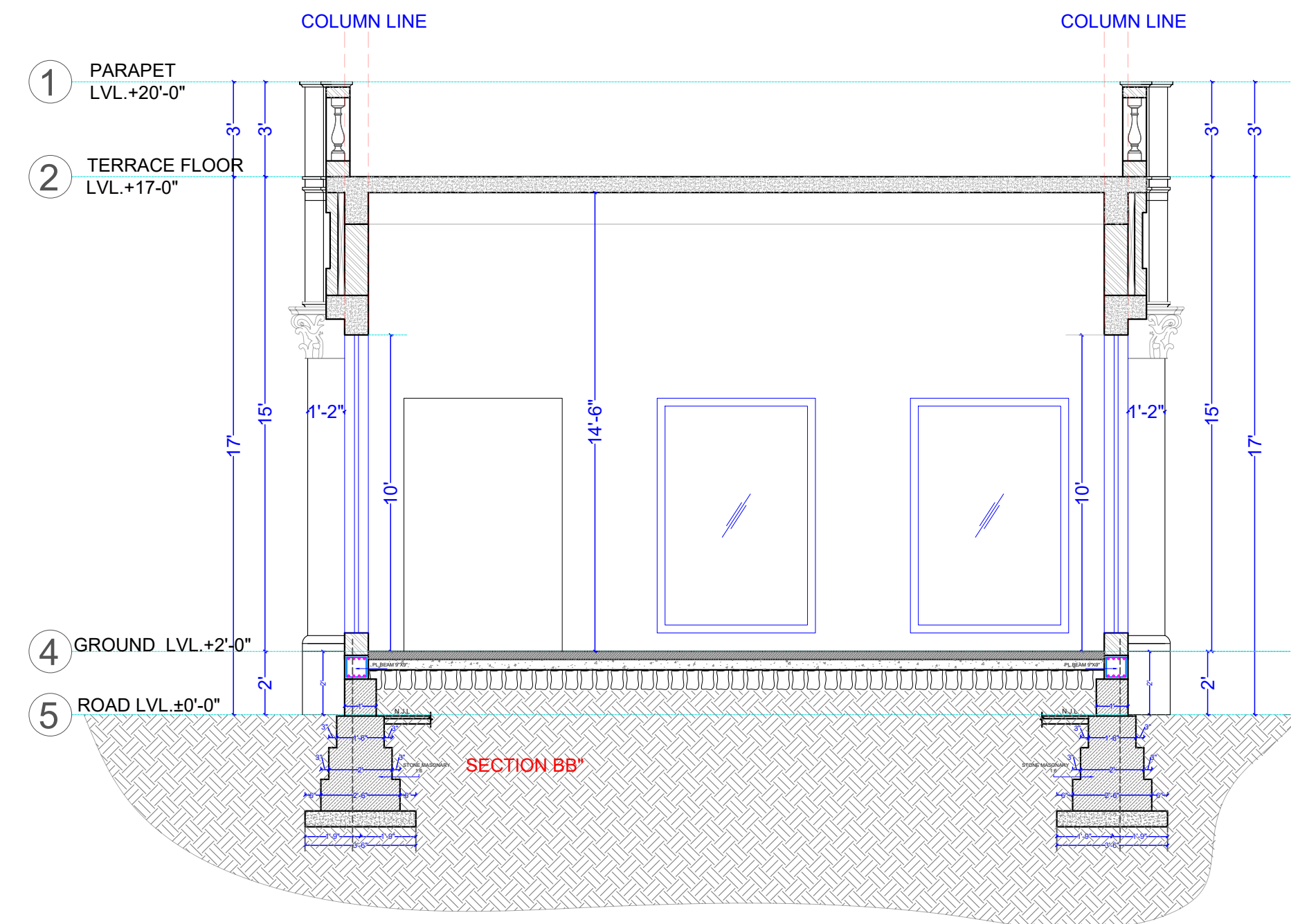
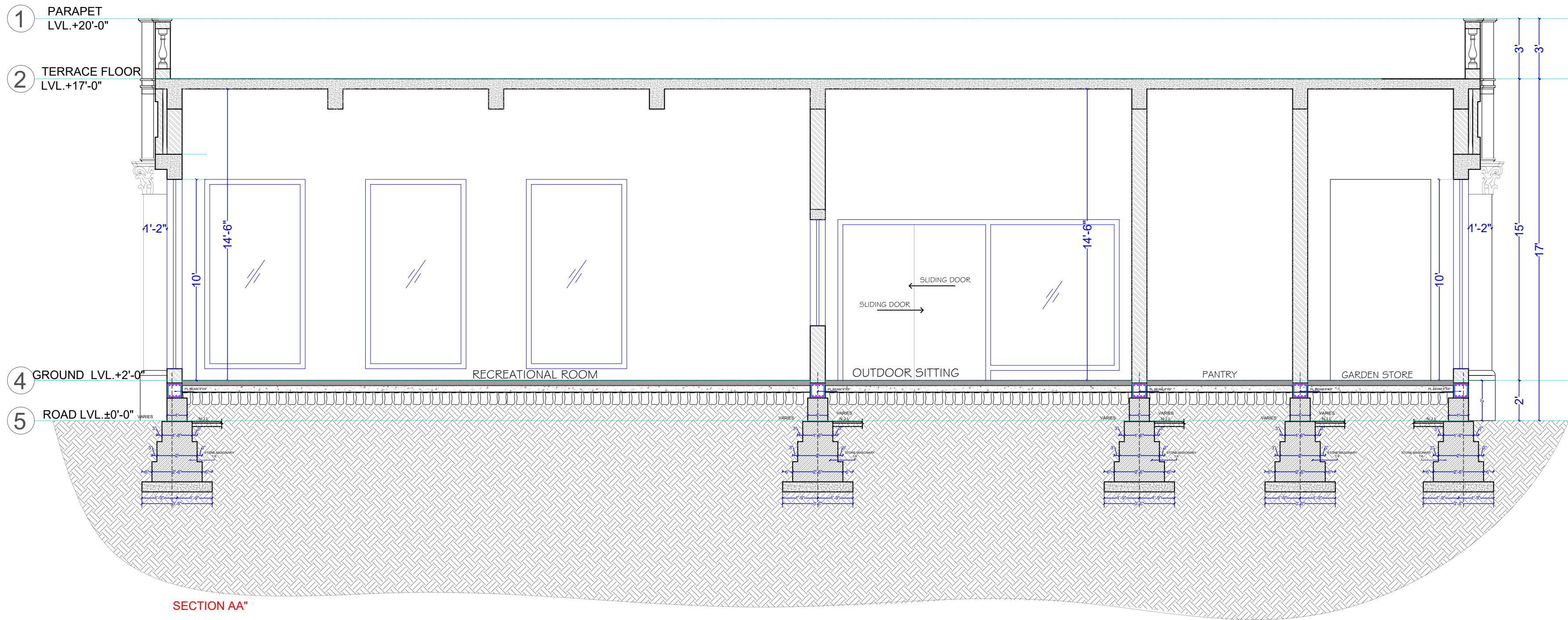
ARCHITECT:
NEERAV GUPTA
CA/2009/44766
L-1, KRISHNA MARG, C- SCHEME,
JAIPUR (302001), RAJASTHAN.PH.0141-2360825
E-Mail-architect_neeravgupta@yahoo.com

PROJECT:
BHILWARA RESIDENCE

DRAWING TITLE:
**OFFICE AREA
PLAN A AND B**

DRAWN BY: DEEPIKA	SCALE: N.T.S	DATE: 19-11-2020
CHECKED BY:NEERAV GUPTA	DRAWING NO.:	

NOTES:
THE COPYRIGHT AND PROPERTY OF THIS DESIGN AND DRAWING
BELONGS TO RAVI KUMAR GUPTA. IT MUST NOT BE COPIED OR
REPRODUCED IN ANY MANNER WITHOUT THEIR WRITTEN
CONSENT. A LEGAL ACTION AS PER LAW MAY BE INITIATED
AGAINST THE OFFENDER.



PLAN B SECTION DETAIL

ARCHITECT:
NEERAV GUPTA
CA/2009/44766
L-1, KRISHNA MARG, C- SCHEME,
JAIPUR (302001), RAJASTHAN, PH.0141-2360825
E-Mail-architect_neeravgupta@yahoo.com

PROJECT:
BHILWARA RESIDENCE

DRAWING TITLE:
**OFFICE AREA
PLAN A SECTION**

DRAWN BY: DEEPIKA	SCALE: N.T.S	DATE: 19-11-2020
CHECKED BY: NEERAV GUPTA	DRAWING NO.:	

NOTES:
THE COPYRIGHT AND PROPERTY OF THIS DESIGN AND DRAWING
BELONGS TO **RAVY KUMAR GUPTA** IT MUST NOT BE COPIED OR
REPRODUCED IN ANY MANNER WITHOUT THEIR WRITTEN
CONSENT. A LEGAL ACTION AS PER LAW MAY BE INITIATED
AGAINST THE OFFENDER.



Vijaytech Consultants Pvt. Ltd.
CONSULTING ENGINEERS
H-17 GAUTAM MARG, SHYAM NAGAR, JAIPUR-302019 INDIA
Phone : 91-141-2284432, 3257582, Fax : 91-141-4023198
E-mail : vijayassociates@gmail.com, vijaytech.pr@gmail.com

PROJECT DETAILS:

BHILWARA RESIDENCE

ADDRESS:

ARCHITECT:

NEERAV GUPTA
CA/2009/44766
L-1, KRISHNA MARG, C-SCHEME,
JAIPUR (302001), RAJASTHAN.PH.0141-2360825
E-Mail-architect_neeravgupta@yahoo.com

GENERAL NOTES:-

1. ALL DIMENSION ARE IN MM.
2. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING AND ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
3. ALL LOOSE BOULDERS SHOULD BE FULLY REMOVED, BEFORE PLACEMENT OF P.C.C. BED.
4. ALL FOUNDATION PITTS SHOULD BE BACK-FILLED WITH WELL-COMPACTED GRAVEL / MORUM.

REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 500 N/MM² CONFORMING TO IS 1786-2008, SHALL BE USED.
2. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
3. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW, WHERE Ø IS DIA. OF BARS.

CONC. GRADE	Ld
M-20	57Ø
M-25	49Ø
M-30	46Ø
M-35	41Ø
M-40 & ABOVE	36Ø

CONCRETE DETAILS

1. GRADE OF CONCRETE SHALL BE M-25 DETAILS CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
2. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
FOOTING	2"(50 MM.)	2"(50 MM.)	2"(50 MM.)
RETAINING WALL			1 1/2"(40MM.) - EARTH SIDE 3/4"(20MM.) - INSIDE FACE
COLUMNS			1 1/2"(40 MM.)
BEAMS, LINTELS	1"(25 MM.)	1"(25MM.)	1"(25MM.)
SLAB	3/4"(20MM.)	23"(19MM.)	
WALLS, FLOOR & ROOF SLAB OR WATER TANK			1"(25MM.) - WATER FACE 1 1/2"(40MM.) - EARTH SIDE

NOTES:-

1. GRADE OF STEEL SHALL BE Fe-500 FROM PRIMARY PRODUCERS ONLY. (TMT 500 SHALL BE TATA, SAIL, JINDAL, ETC.)
2. GRADE OF CONCRETE SHALL BE M-25.
3. FOOTING SHALL BE PLACED AT 1.5 METRE BELOW NGL.

MARK	DATE	DESCRIPTION

DRAWN BY: DHARMENDRA

CHECKED BY: SANJAY SHARMA

FILE LOCATION:

\\Server\c\p-project\

COPYRIGHT:

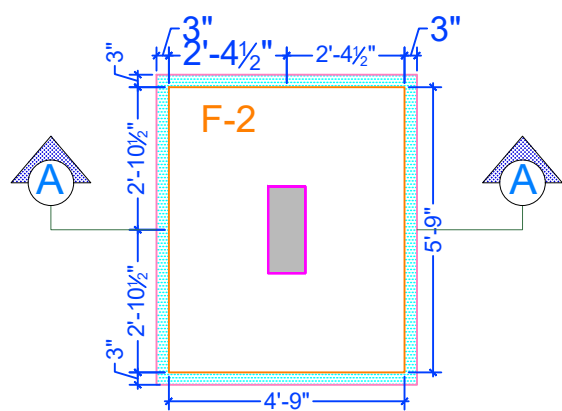
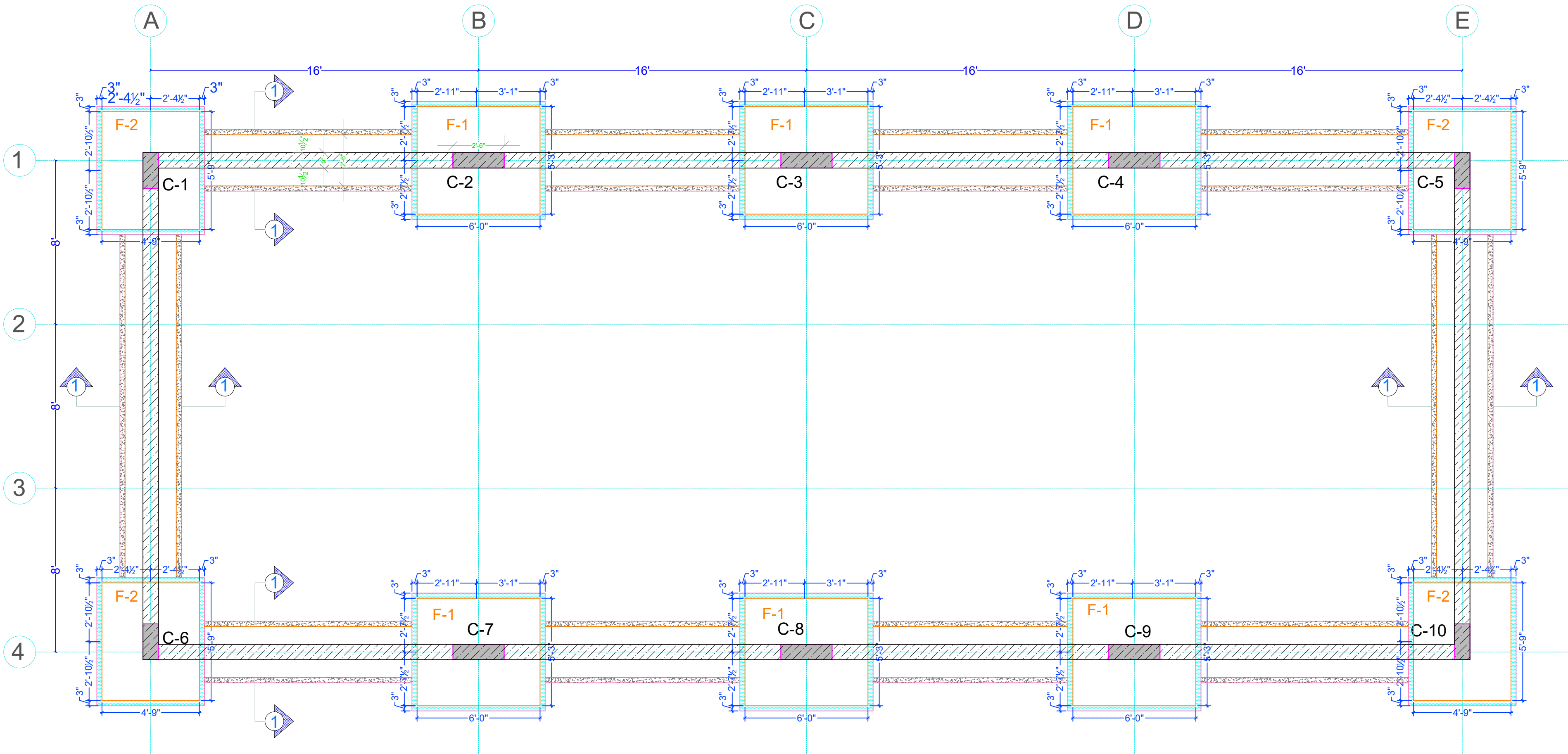
VIJAYTECH CONSULTANTS PVT. LTD.

SHEET TITLE:

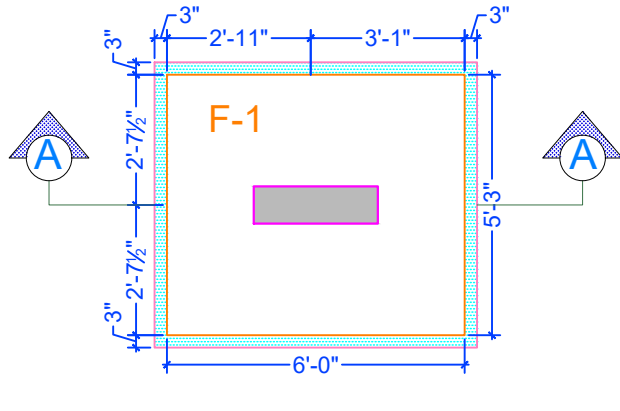
OFFICE AREA FOOTING PLAN & SECTION DETAIL

DATE	-	08-12-2020
DRG. NO.	-	S-01
SHEET	-	00
REVISION	-	00

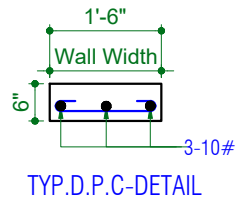
STAMP :



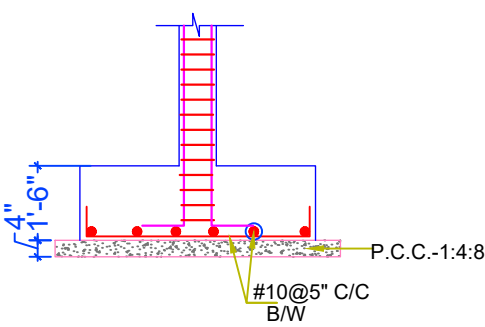
Footing Plan F-1



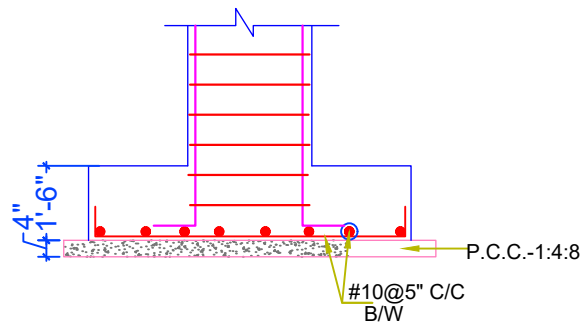
Footing Plan F-2



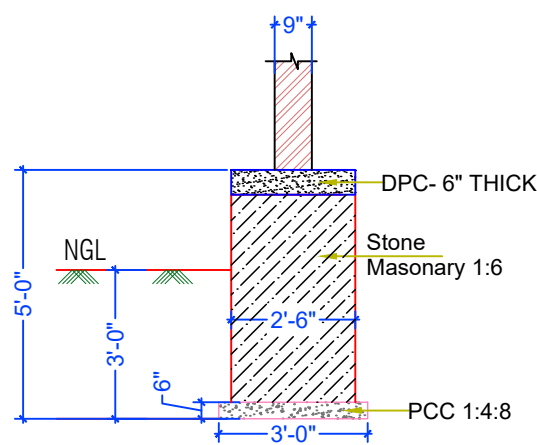
TYP.D.P.C-DETAIL



Footing Section F-1 AT {A-A}



Footing Section F-2 AT {A-A}



SECTION AT (1-1)
INNER WALLS

GROUND FLOOR TO TERRACE FLOOR	SIZE	9"X21"		SIZE	9"X24"		SIZE	9"X24"		SIZE	9"X24"		SIZE	9"X21"	
	MIX.	M-25		MIX.	M-25		MIX.	M-25		MIX.	M-25		MIX.	M-25	
	REINF.	4#20 +6#16		REINF.	14#20		REINF.	14#20		REINF.	14#20		REINF.	4#20 +6#16	
FOOTING TO GROUND FLOOR	RINGS	#8@7 1/2"cc		RINGS	#8@7 1/2"cc		RINGS	#8@7 1/2"cc		RINGS	#8@7 1/2"cc		RINGS	#8@7 1/2"cc	
	SIZE	9"X21"		SIZE	9"X24"		SIZE	9"X24"		SIZE	9"X24"		SIZE	9"X21"	
	MIX.	M-25		MIX.	M-25		MIX.	M-25		MIX.	M-25		MIX.	M-25	
COLUMN	REINF.	4#20 +6#16		REINF.	14#20		REINF.	14#20		REINF.	14#20		REINF.	4#20 +6#16	
	RINGS	#8@7 1/2"cc		RINGS	#8@7 1/2"cc		RINGS	#8@7 1/2"cc		RINGS	#8@7 1/2"cc		RINGS	#8@7 1/2"cc	
	SIZE	9"X21"		SIZE	9"X24"		SIZE	9"X24"		SIZE	9"X24"		SIZE	9"X21"	

GROUND FLOOR TO TERRACE FLOOR	SIZE	9"X21"		SIZE	9"X24"		SIZE	9"X24"		SIZE	9"X24"		SIZE	9"X21"	
	MIX.	M-25		MIX.	M-25		MIX.	M-25		MIX.	M-25		MIX.	M-25	
	REINF.	4#20 +6#16		REINF.	14#20		REINF.	14#20		REINF.	14#20		REINF.	4#20 +6#16	
FOOTING TO GROUND FLOOR	RINGS	#8@7 1/2"cc		RINGS	#8@7 1/2"cc		RINGS	#8@7 1/2"cc		RINGS	#8@7 1/2"cc		RINGS	#8@7 1/2"cc	
	SIZE	9"X21"		SIZE	9"X24"		SIZE	9"X24"		SIZE	9"X24"		SIZE	9"X21"	
	MIX.	M-25		MIX.	M-25		MIX.	M-25		MIX.	M-25		MIX.	M-25	
COLUMN	REINF.	4#20 +6#16		REINF.	14#20		REINF.	14#20		REINF.	14#20		REINF.	4#20 +6#16	
	RINGS	#8@7 1/2"cc		RINGS	#8@7 1/2"cc		RINGS	#8@7 1/2"cc		RINGS	#8@7 1/2"cc		RINGS	#8@7 1/2"cc	
	SIZE	9"X21"		SIZE	9"X24"		SIZE	9"X24"		SIZE	9"X24"		SIZE	9"X21"	



Vijaytech Consultants Pvt. Ltd.
CONSULTING ENGINEERS
H-17 GAUTAM MARG, SHYAM NAGAR, JAIPUR-19 INDIA
Phone : 91-141-2294132, 3257592, Fax : 91-141-4023199
E-mail : vijayassociates@gmail.com, vijaytech.jpr@gmail.com

PROJECT DETAILS:

BHILWARA RESIDENCE

ADDRESS:

ARCHITECT:

NEERAV GUPTA

CA/2009/44766

L-1, KRISHNA MARG, C-SCHEME,
JAIPUR (302001), RAJASTHAN.PH.0141-2360825
E-Mail-architect_neeravgupta@yahoo.com

GENERAL NOTES:-

1. ALL DIMENSION ARE IN MM.
2. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING AND ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
3. ALL LOOSE BOULDERS SHOULD BE FULLY REMOVED, BEFORE PLACEMENT OF P.C.C. BED.
4. ALL FOUNDATION PITTS SHOULD BE BACK-FILLED WITH WELL-COMPACTED GRAVEL / MORUM.

REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS # WITH CHARACTERISTIC STRENGTH 500 N/MM² CONFORMING TO IS 1786-2008, SHALL BE USED.
2. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION.
3. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW, WHERE Ø IS DIA. OF BARS.

CONC. GRADE	Ld
M-20	57Ø
M-25	49Ø
M-30	46Ø
M-35	41Ø
M-40 & ABOVE	36Ø

CONCRETE DETAILS

1. GRADE OF CONCRETE SHALL BE **M-25** DETAILS CONFIRMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
2. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

PARTICULAR	BOTTOM	TOP	SIDES
FOOTING	2"(50 MM.)	2"(50 MM.)	2"(50 MM.)
RETAINING WALL			1 1/2"(40MM.) - EARTH SIDE 3/4"(20MM.) - INSIDE FACE
COLUMNS			1 1/2"(40 MM.)
BELMS, LINTELS	1"(25 MM.)	1"(25MM.)	1"(25MM.)
SLAB	3/4"(20MM.)	23"(19MM.)	
WALLS, FLOOR & ROOF SLAB OR WATER TANK			1"(25MM.) - WATER FACE 1 1/2"(40MM.) - EARTH SIDE

NOTES:-

1. GRADE OF STEEL SHALL BE **Fe-500** FROM PRIMARY PRODUCERS ONLY. (TMT 500 SHALL BE TATA, SAIL, JINDAL, ETC.)
2. GRADE OF CONCRETE SHALL BE **M-25**.
3. FOOTING SHALL BE PLACED AT 1.5 METRE BELOW NGL.

MARK	DATE	DESCRIPTION

DRAWN BY: DHARMENDRA

CHECKED BY: SANJAY SHARMA

FILE LOCATION:

\\Server\c-project\

COPYRIGHT:

VIJAYTECH CONSULTANTS PVT. LTD.

SHEET TITLE:

OFFICE AREA GROUND FLOOR
ROOF FRAMING PLAN & BEAM
DETAIL

DATE	-	08-12-2020
DRG. NO.	-	S-02
SHEET	-	00
REVISION	-	00

STAMP :

