

TENDER NOTICE

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

DAV CMC, New Delhi, E-mail: principal@davbistupur.org

Sealed Quotations are invited for construction of Yagyashala.

1. BOQ & Drawing: Available www.davbistupur.org
2. Submission : Send Sealed quotation via Speed post, regd.post or by Hand
3. Last date of submission : 12/03/2025
4. Site visit is mandatory, otherwise Quotation will be rejected.
5. Contact the office for the same between 9 AM to 2 PM.
6. Rules & Regulations applicable and approved by DAV CMC will be followed.

Pragya Singh
PRINCIPAL

R.K.Sethi
Manager

BOQ of Yagyashala

BOQ. NO.		UNIT	QUANTITY	RATE(BCD Bihar)	RATE (5% Piece Escellation)	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 outside the area of work as directed and approved by Engineer.	M ²	65.06				
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 slushy soils)	M ³	19.14				
	b) In soft and decomposed rock	M ³	19.14				
A 3	Excavating, supplying and filling of local earth (including royalty cairriage 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	15.05				
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	33.30				
A5	Supplying and Providing pre-constructional 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 ap	M ³	50.19				
SUB TOTAL OF ITEM UNDER "A"=							
B. CONCRETE AND ALLIED WOKRS							
B1	Supplying, Providing and laying in position plain cement concrete in levelling course/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/m3)	M ³	1.71				
	c) 1:2:4 (Min cement content 240Kg/m3)	M ³	2.75				
B2.	Providing and laying in position specified grade of reinforced cement concrete including the cost of centring,shuttering,finishing etc -All work puto plinth level.						
	a) Concrete grade M20 with 20mm downgraded coarse aggregates for:	M ³	12.68				
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, includi						
	a) Concrete grade M20 with 20mm downgraded coarse aggregates for:	M ³	15.45				
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.	3.150				

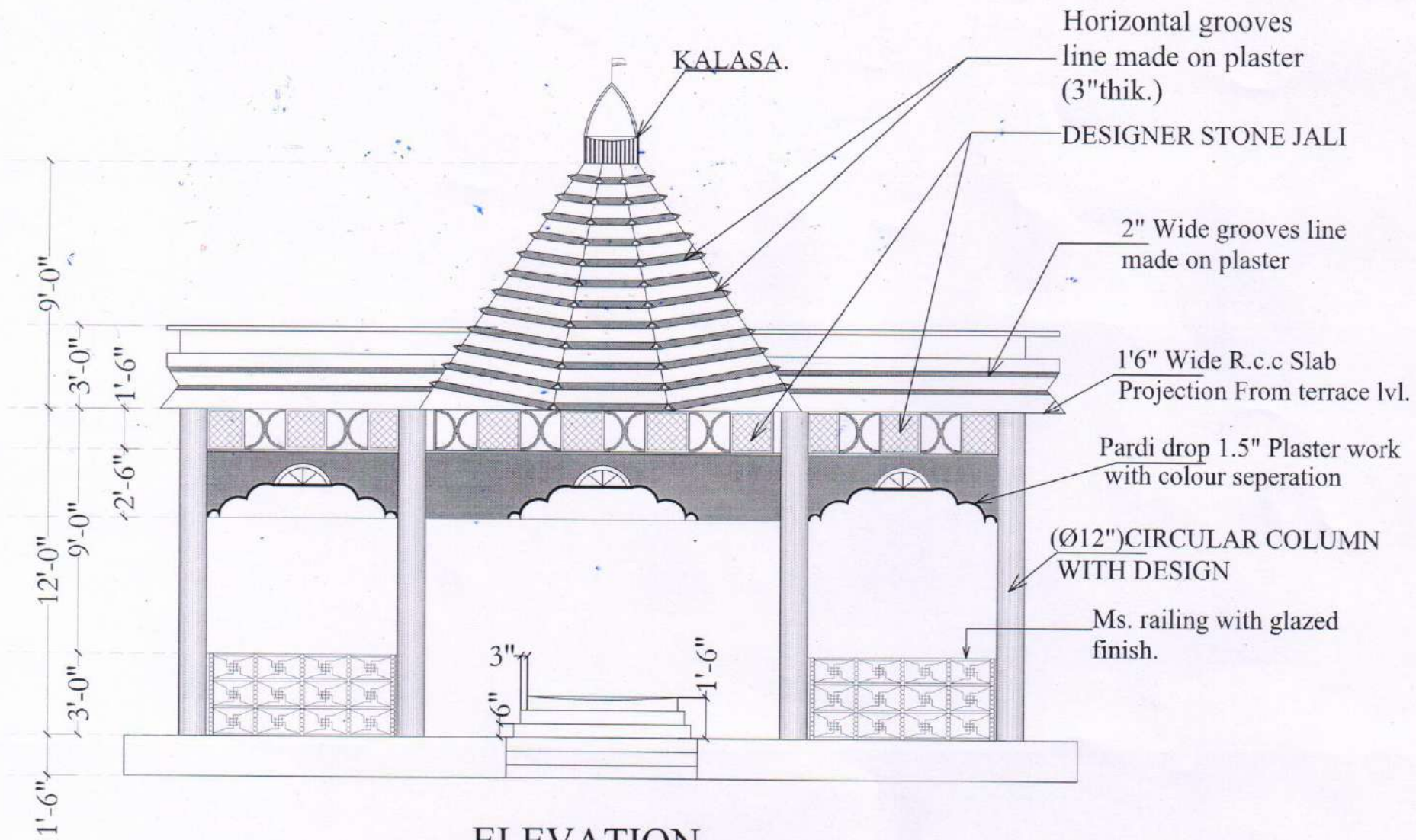
BOQ of Yagyashala

BOQ. NO.		UNIT	QUANTITY	RATE(BCD Bihar)	RATE (5% Piece Escellatio n)	AMOUNT	REMARKS
	SUB TOTAL OF ITEM UNDER "A"=						
	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 plinht lvl.	M ³	7.46				
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		25.70				
	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 specif	M ²	51.50				
	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	72.91				
	SUB TOTAL OF ITEM UNDER "A"=						
	D. FLOORING, STONE WORKS ETC.						
D1.	Supplying providing & laying 19 mm thick white marble flooring, (for skirting & steps 20mm) over 20 mm (average) thick base with joint finished fiush:base 1:5 (1 cement: 5 coarse sand)with joints 3 mm thick, side buttered with cement mortar 1:2 (1 cement : 2 stone dust) admixed with pigment to match the shade of stone and pointing with same mortar.2Kg/sq.m)	M ²	53.58				
	SUB TOTAL OF ITEM UNDER "A"=						
	E. PAINTING , FINISHING , SS GRILL ETC.						
E1.	Finishing walls with Acrylic Smooth exterior/ interior paint for required sheds on walll New work (Two or more coat applied @ 1.67 ltr/ 10 sqm over and including priming coat of exterior primer applied as per manufacturer details.	M ²	226.66				
E2.	Supplying providing & laying SS grill at floor level by using ss-304 & 1.5mm sections , cost of all fixing fastining etc and as per designed approved by site Engineers/Architect etc complete.	Kg.	405.00				
	SUB TOTAL OF ITEM UNDER "A"=						
	Grand Total amount (A+B+C+D+E)=						
	ELECTRIFICATION WORKS						
	TOTAL =						
Note :-							
1. Please note that the rates should be inclusive of all taxes.							
2. Send Quotation in hard copy.							

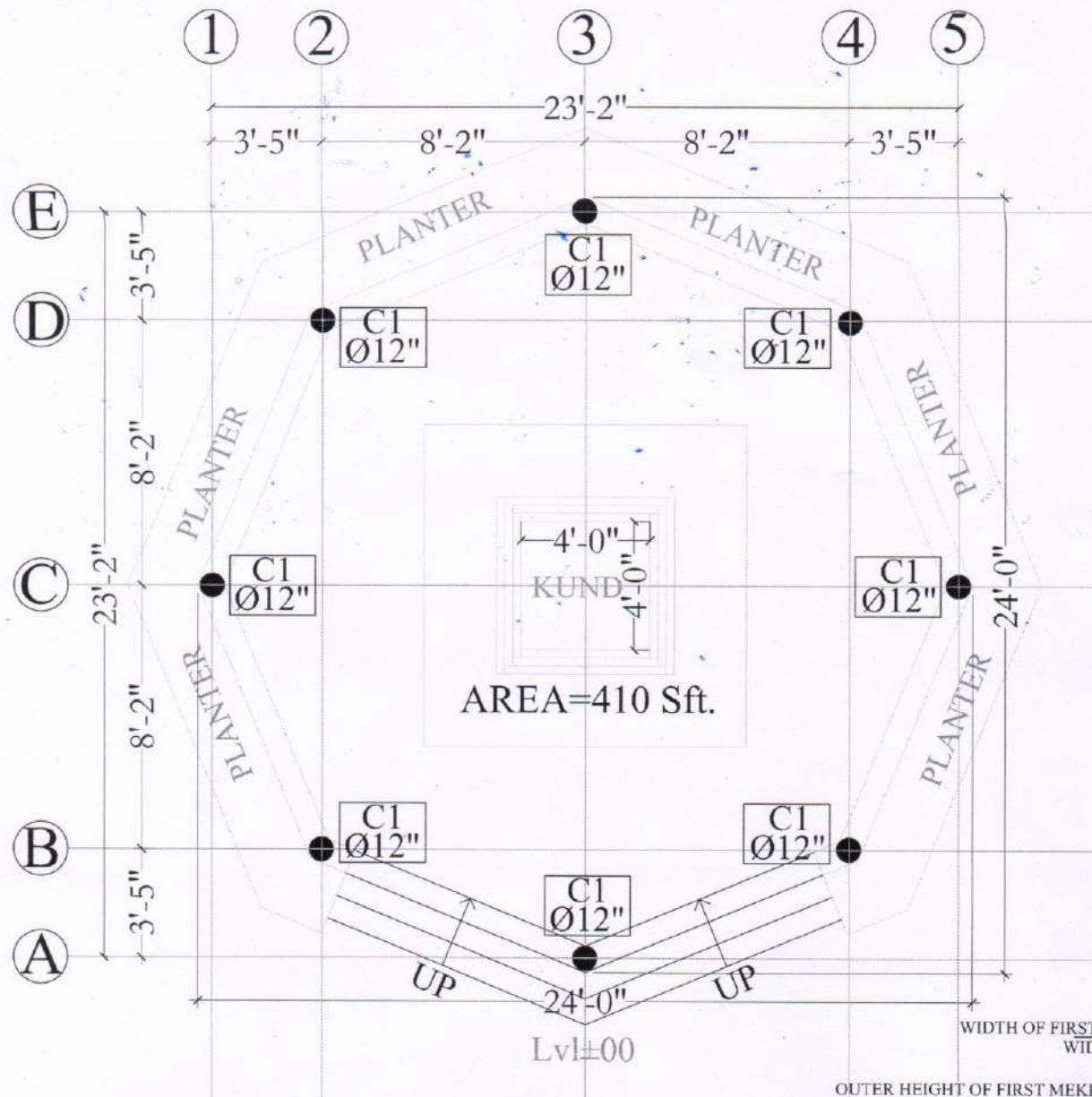
Electrical BOQ of Yagyashala							
Sl no	S.O.R	Description of Item	Units	Qty.	@Rate	Amount	Remarks
1	1.1	MV cable laying up to 400 sqmm in same trench :- laying of one no PVC insulated and PVC sheathed/XLPE power cable of 1.1 KV grade of size exceeding 120 Sqmm but not exceeding 400 sqmm direct in the same trench in one tier horizontal formation including excavating, sand cushioning protective covering and refilling the trench as required.	meter	20.5			
	1.2	Circuit/Sub-main wiring in PVC Conduit:- Wiring for circuit / sub-main wiring along with earth wire with the following sizes of PVC insulated, copper conductor, single core cable in surface/recessed PVC conduit as required.					
	1.2.1	2x1.5 Sq.mm + 1x1.50 Sq.mm earth wire	meter	57.5			
	1.2.2	2x2.5 Sq.mm + 1x2.5 Sq.mm earth wire	meter	16.5			
	(J.S.R.) 1.31	S/F light plug point with modular type accessories:- Supply and Fixing GI box with modular plate and cover in front on surface or in recess including providing and fixing 5 pin, 5/6 amps modular socket outlet and 5/6 amps modular type switch, connection, painting etc as required. (Note:- Near all LAN points 3 Nos. 5/6 Sockets with Switch, all switch boards with sockets in different rooms, all 5/6A separate switch sockets, all corridor and stair case 5/6A socket switch for Fire alarm system, all racks for LAN must have one 5/6A socket with switch with UPS support etc.	Each	26.0			
	(J.S.R.) 1.32	S/F power plug point with modular type accessories:- Supply and Fixing GI box with modular plate and cover in front on surface or in recess including providing and fixing 6 pin, 15/16 amps modular socket outlet and 15/16 amps modular type switch, connection, painting etc as required.	Each	4.0			
		Lights Breakup					
	NS	Ceiling Light	Each	8.0			
	NS	Wall Bracket Light	Each	8.0			
	NS	Blossom Light	Each	6.0			
	2259	1 x 28 watt T5 tube light fittings	Each	2.0			
	2231	9/10 watt LED Bulb	Each	2.0			
		Total					

Specification of Yagyashala

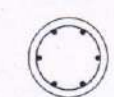

Sl no	Description of Item	Remarks
1	Switches and Sockets:	
	1. Legrand: Known for high-quality modular switches and a wide range of options.	
	2. Schneider Electric: Offers premium and stylish switch designs.	
	3. Havells: Reliable and durable with contemporary designs.	
2	Wires and Cables:	
	1. Polycab: Durable and widely used in residential and commercial projects.	
	2. Finolex: High-quality cables with excellent insulation properties.	
	3. Havells: Known for safety and long life.	
3	Lighting Fixtures and Accessories:	
	1. Philips: Renowned for energy-efficient and aesthetically pleasing lighting.	
	2. Syska: Affordable and energy-efficient LED options	
	3. Wipro: High-quality LED lighting solutions for residential and commercial use.	
4	MCBs, RCCBs, and Distribution Boards:	
	1. Legrand: Premium quality with advanced protection features.	
	2. Schneider Electric: High durability and excellent performance.	
	3. Hager: Modern designs and superior safety standards,	
5	Exterior Wall Paints	
	1. Asian Paints	
	Apex Ultima: Durable and weather-resistant with anti-algal properties.	
	Apex Weatherproof Emulsion: Affordable and long-lasting.	
	2. Berger Paints	
	Weathercoat Long Life: UV-resistant and durable against extreme weather.	
	Weathercoat Anti Dust: Dust-resistant exterior finish.	
	3. Nerolac Paints	
	Excel Total: High-performance exterior paint with UV guard.	
	Suraksha Plus: Budget-friendly and durable.	
6	Marble Flooring and Cladding	
	1. Classic Marble Company (CMC)	
	Premium marble and engineered stone options.	
	Known for its KalingaStone collection.	
	2. R.K. Marble	
High-quality natural marble for flooring and countertops.		
Specializes in imported marble like Statuario and Carrara.		
7	Premium SS Grill Brands and Manufacturers	
	1. Jindal Stainless Steel	
	Material Grade: AISI 304 and AISI 316.	
	Known for: High-quality stainless steel sheets, pipes, and grills.	
	Applications: Railings, gates, and heavy-duty industrial use.	
	2. Aperam Stainless Steel	
	Material Grade: Offers premium SS grades for durability and corrosion resistance.	
Known for: High-grade stainless steel with excellent polish and finish.		
Applications: Premium decorative grills and high-traffic areas.		

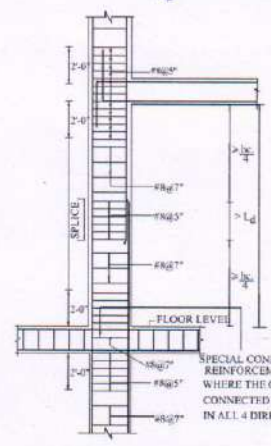


ELEVATION

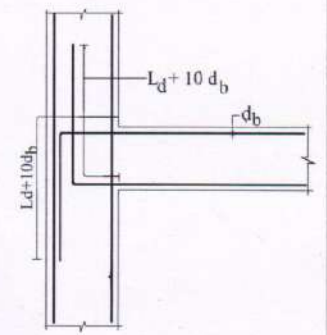


CENTERLINE PLAN

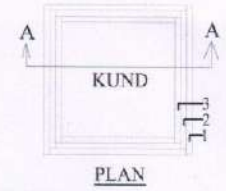
FOUNDATION TO FIRST FLOOR LEVEL	COLUMN SIZE	Ø(DIA)	C1	12" M20
	CONCRETE MIX SECTION WITH MAIN STEEL			
	LINKS			6-12 mm. Tor.
				
				8 mm. Tor @ 5" & 7" C/C



TYP. DETAILS OF COLUMN



TYP. DETAILS OF EXTERNAL JOINT

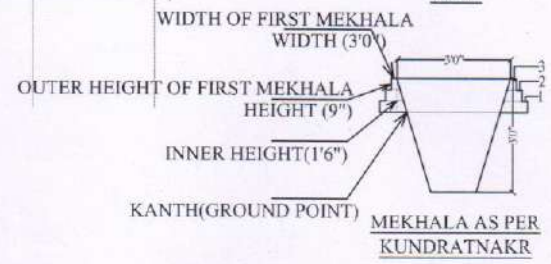


- NOTE:-**
1. ALL DIMENSION ARE IN FEET AND INCHES.
 2. ALL CONCRETE MIX M20 UNLESS OTHERWISE SPECIFIED.
 3. MILD STEEL YIELD STRENGTH 250 N/mm²
 4. TOR STEEL YIELD STRENGTH 500 N/mm²
 5. ALL CONCRETE SHALL BE MACHINE MIXED AND MACHINE VIBRATED.
 6. CLEAR COVER TO MAIN STEEL 40 mm. IN COLUMN, 25 mm. 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 Ø @ 250 C/C.
 9. THIS DRAWING SHALL BE READ WITH ARCHITECTURAL DRAWINGS.
 10. BEARING CAPACITY OF SOIL ADOPTED AS 18 T/M²
 11. DEPTH OF FOUNDATION SHALL BE 3000 mm. BELOW EXISTING GROUND.
 - LAP LENGTH > L_d OR 30 TIMES OF BAR DIA
 - Ø = DIA OF MAIN BAR
 - L_d = EFFECTIVE DEVELOP. LENGTH CONSIDERING COMPRESSION = 12X BAR DIA
 - L_t = EFFECTIVE DEVELOP. LENGTH CONSIDERING TENSION = 47 X BAR DIA

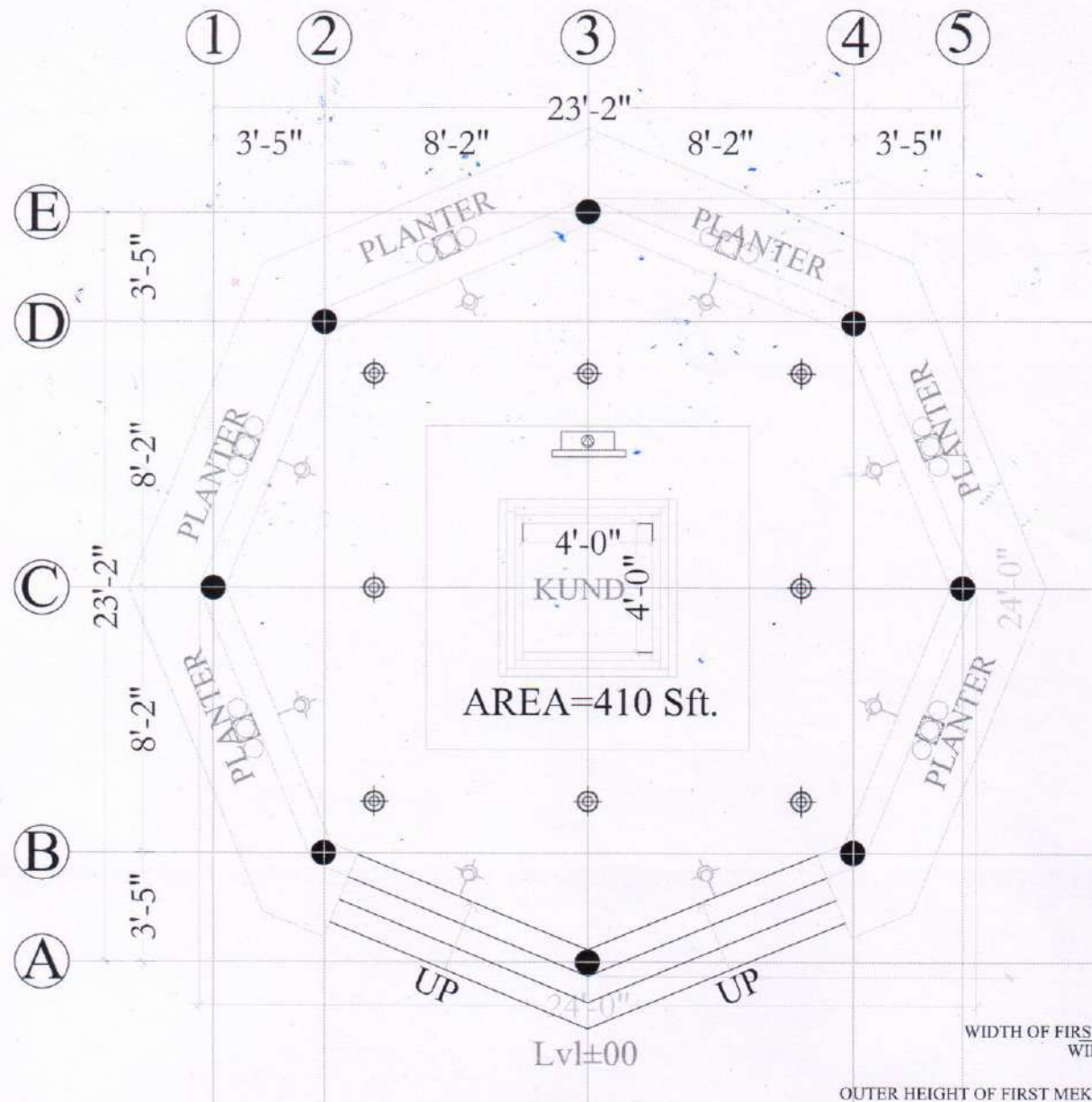
DRAWING :-
CENTERLINE

DATE :- 03/12/2024

PROJECT :-
HAWAN KUND



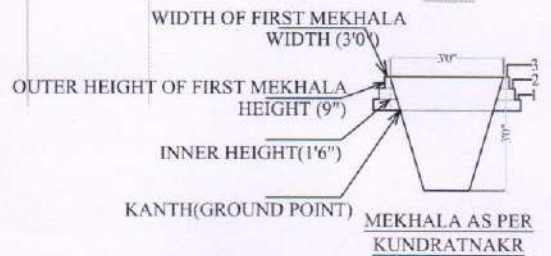
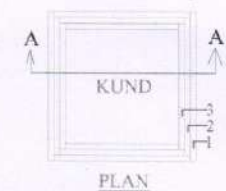
MEKHALA AS PER KUNDRATNAKR



ELECTRICAL LAYOUT

DB BOX.

LEGEND.		
GL	GARDEN LIGHT.	
WL	WALL LIGHT.	
DB	DB BOX.	
CL	CEILING LIGHT.	
EX	EXHAUST FAN.	



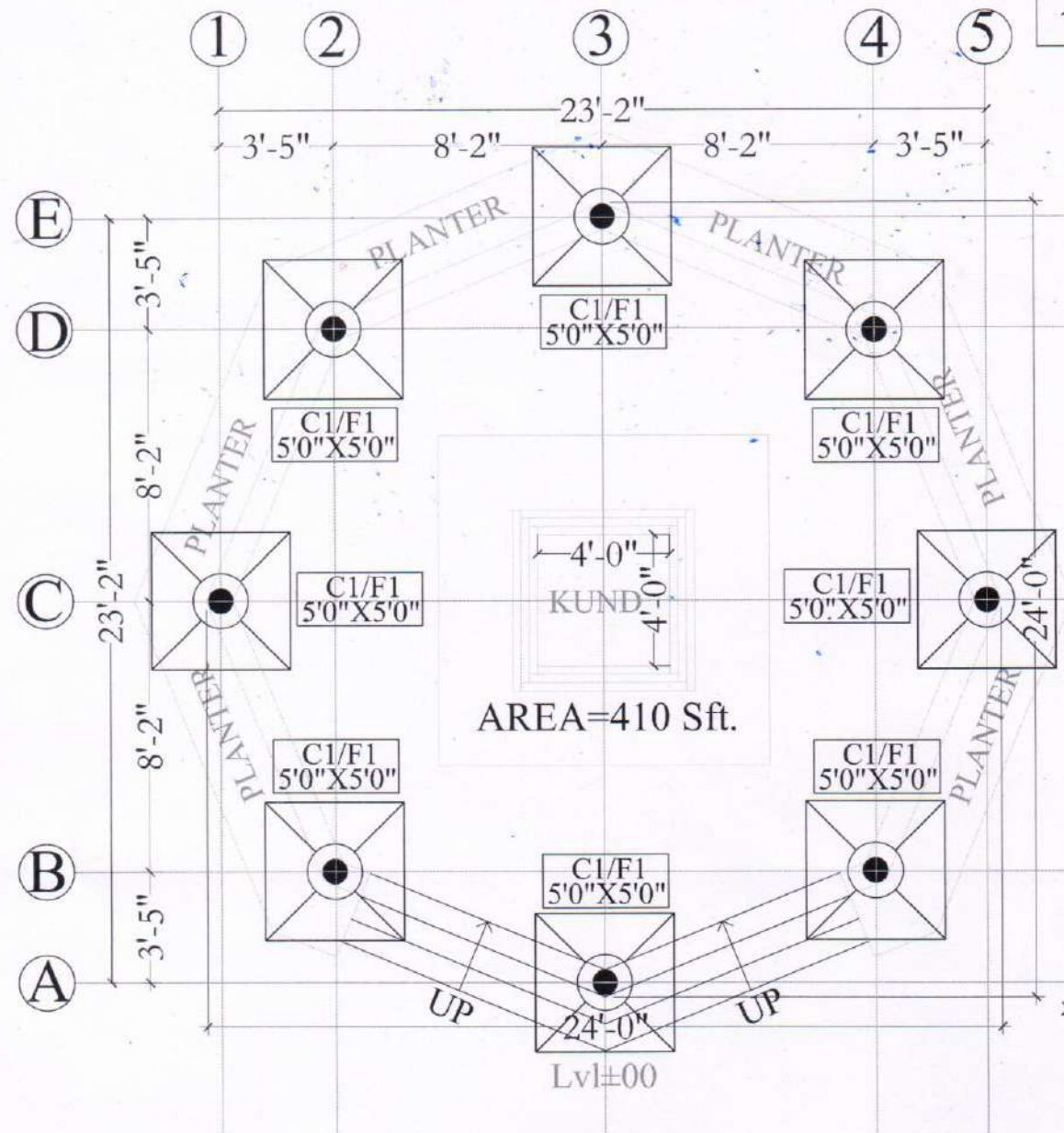
- NOTE:-**
1. ALL DIMENSION ARE IN FEET AND INCHES.
 2. ALL CONCRETE MIX M20 UNLESS OTHERWISE SPECIFIED.
 3. MILD STEEL YIELD STRENGTH 250 N / mm²
 4. TOP STEEL YIELD STRENGTH 500 N/mm²
 5. ALL CONCRETE SHALL BE MACHINE MIXED AND MACHINE VIBRATED.
 6. CLEAR COVER TO MAIN STEEL 40 mm. IN COLUMN, 25 mm. IN BEAM & 15 mm. IN SLAB.
 7. ALL DIMENSION ARE TO THE HEAD NOT TO BE MEASURED.
 8. ALL DISTRIBUTION BARS WHEREVER REQUIRED BUT NOT CALLED OUT SHALL BE 8 Ø @ 250 C/C.
 9. THIS DRAWING SHALL BE READ WITH ARCHITECTURAL DRAWINGS.
 10. BEARING CAPACITY OF SOIL ADOPTED AS 18 T/M².
 11. DEPTH OF FOUNDATION SHALL BE 2000 mm. BELOW EXISTING GROUND.
 - LAP LENGTH > L_d OR 30 TIMES OF BAR DIA.
 - Ø = DIA. OF MAIN BAR.
 - L_d = EFFECTIVE DEVELOP. LENGTH CONSIDERING COMPRESSION = 37XBAR DIA.
 - L_d = EFFECTIVE DEVELOP. LENGTH CONSIDERING TENSION = 47 X BAR DIA.

DRAWING :-
ELECTRICAL

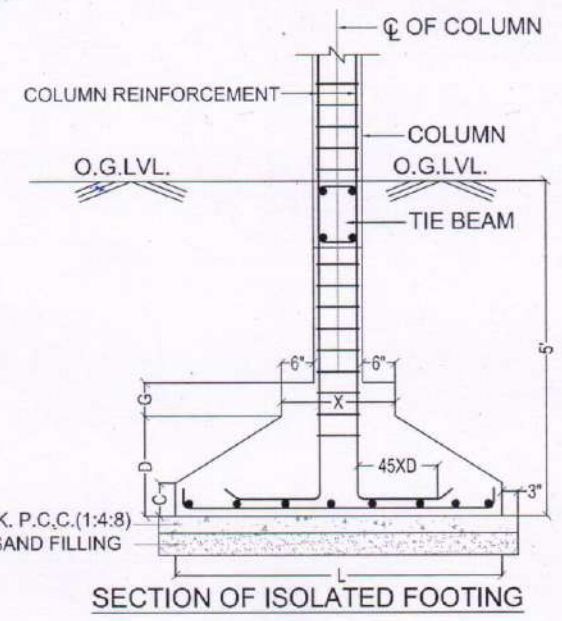
DATE :- 03/12/2024

PROJECT :-
HAWAN KUND

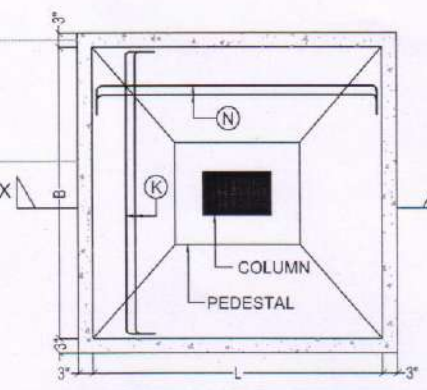
FOOTING SCHEDULE		GRADE OF CONCRETE = M 20 (1:1.5 :3)						
S.NO	FOOTING MARKED	FOOTING SIZE		D	C	G	FOOTING	REINFORCEMENT
		L	B				N	K
1.	F1	5'0"	5'0"	24"	6"	6"	12 TOR @ 5" C/C	12 TOR @ 5" C/C



FOOTING LAYOUT



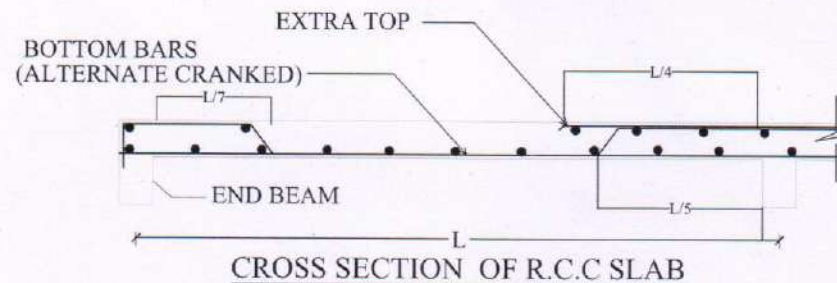
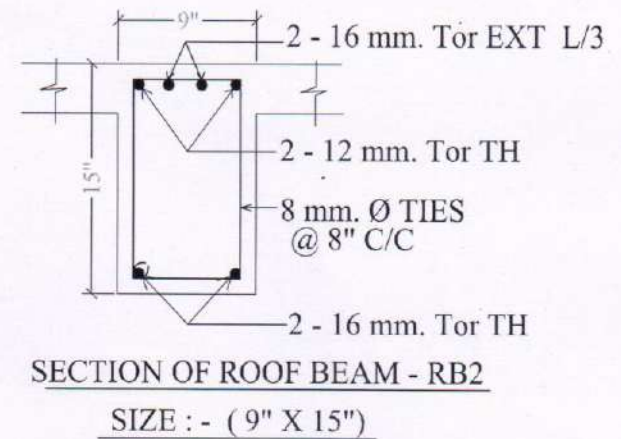
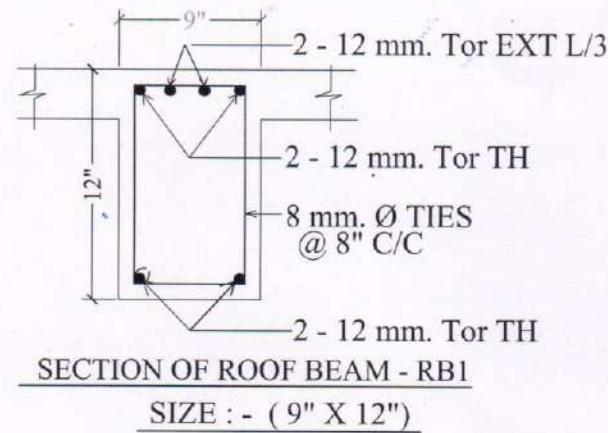
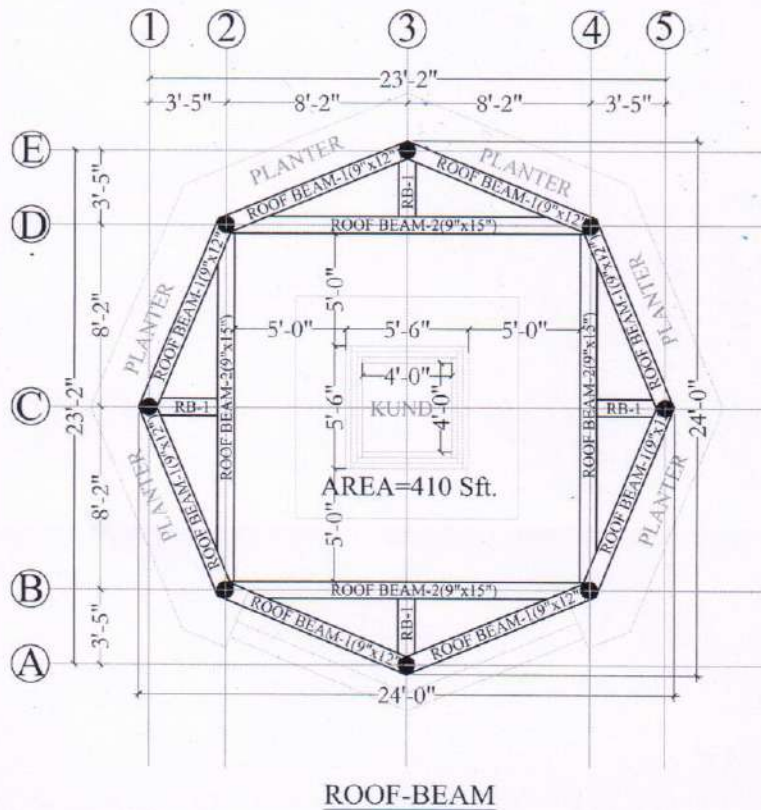
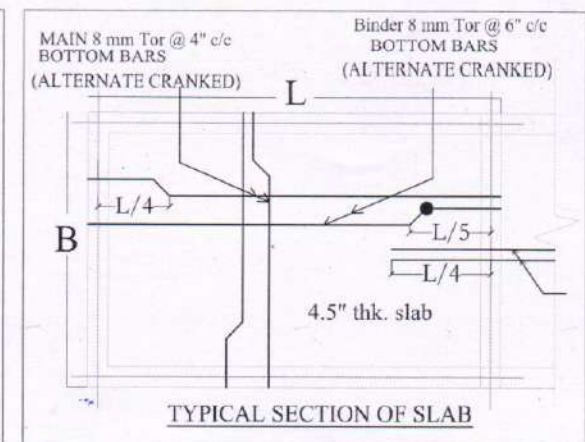
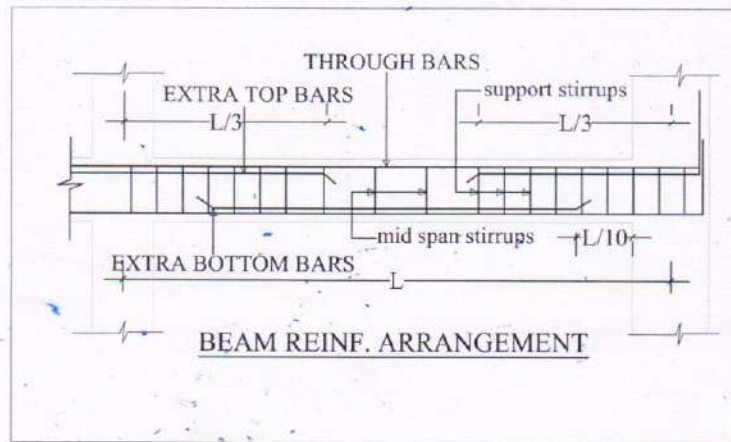
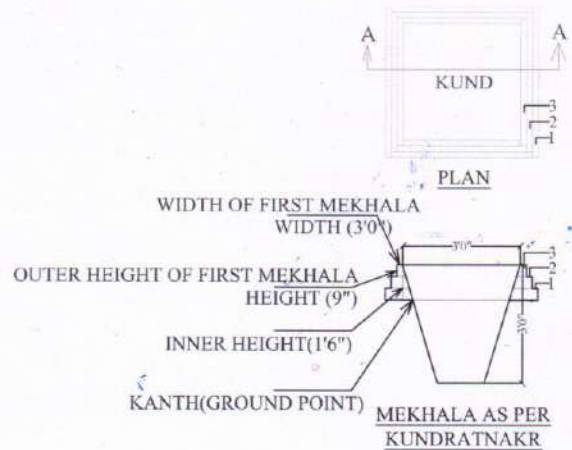
SECTION OF ISOLATED FOOTING (SECTION X-X)



PLAN OF ISOLATED FOOTING (TYP)

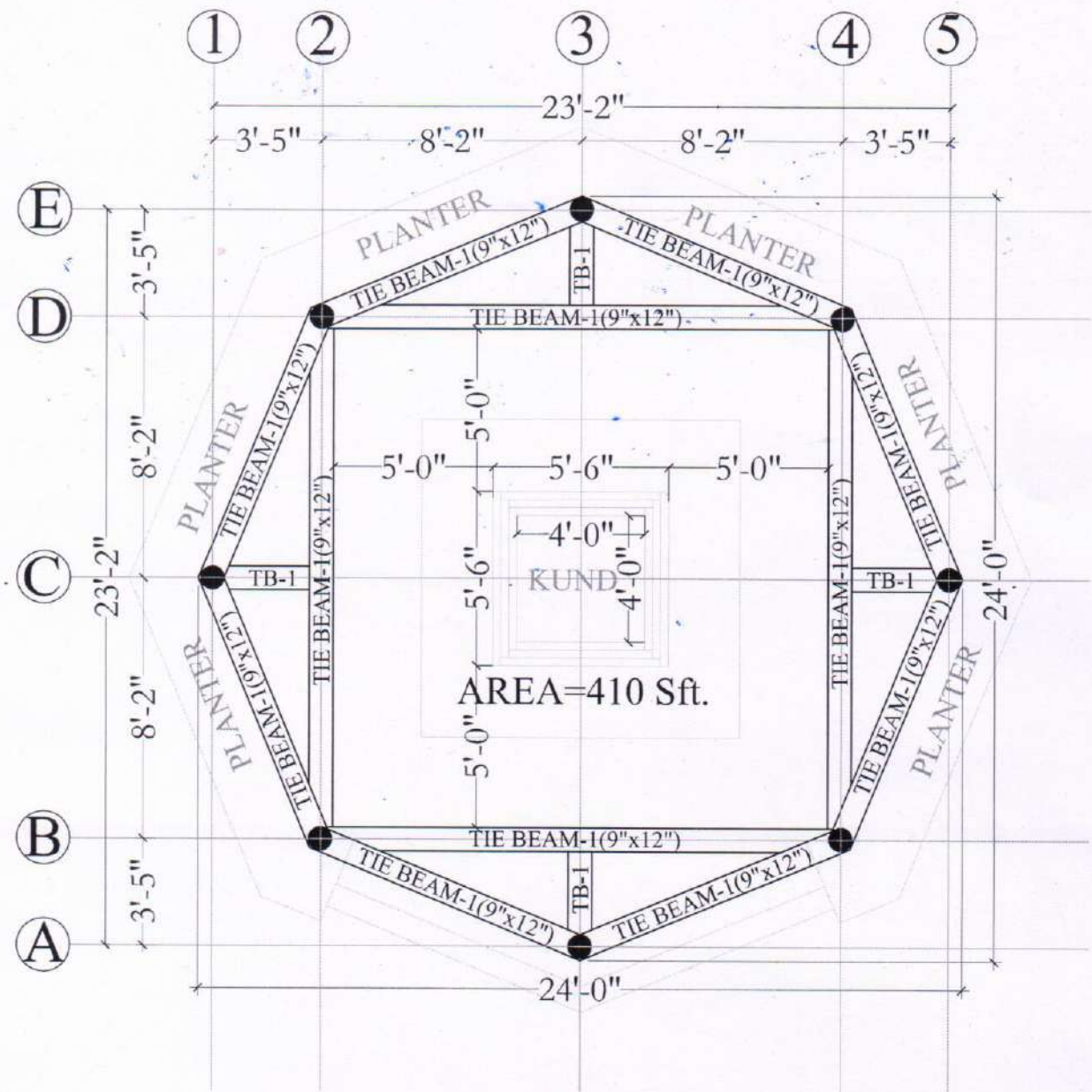
- NOTE:-
1. ALL DIMENSION ARE IN FEET AND INCHES.
 2. ALL CONCRETE MIX M20 UNLESS OTHERWISE SPECIFIED.
 3. MILD STEEL YIELD STRENGTH 250 N/mm²
 4. TOR STEEL YIELD STRENGTH 500 N/mm²
 5. ALL CONCRETE SHALL BE MACHINE MIXED AND MACHINE VIBRATED.
 6. CLEAR COVER TO MAIN STEEL 40 mm. IN COLUMN 25 mm. IN 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 @ 750 C/C.
 9. THIS DRAWING SHALL BE READ WITH ARCHITECTURAL DRAWINGS.
 10. BEARING CAPACITY OF SOIL ADAPTED AS (R.T.M).
 11. DEPTH OF FOUNDATION SHALL BE 2000 mm. BELOW EXISTING GROUND.
- LAP LENGTH = 1d OR 30 TIMES OF BAR DIA
 d = DIA OF MAIN BAR
 1d_c = EFFECTIVE DEVELOP. LENGTH CONSIDERING COMPRESSION = 57x BAR DIA
 1d_t = EFFECTIVE DEVELOP. LENGTH CONSIDERING TENSION = 47 x BAR DIA

DRAWING :-
FOOTING LAYOUT
 DATE :- 03/12/2024
 PROJECT :-
HAWAN KUND

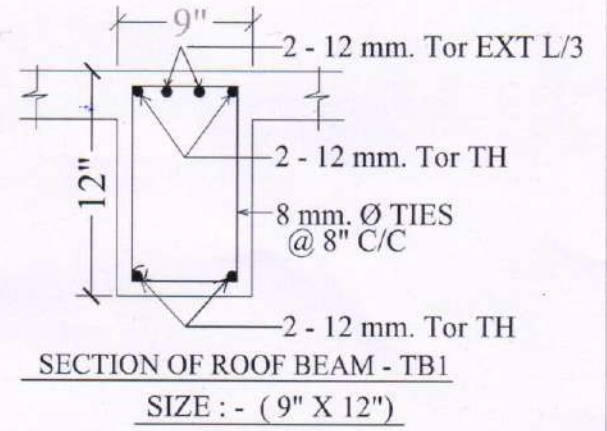


- NOTE:-**
1. ALL DIMENSION ARE IN FEET AND INCHES.
 2. ALL CONCRETE MIX RATIO UNLESS OTHERWISE SPECIFIED.
 3. MILD STEEL YIELD STRENGTH 250 N/mm²
 4. TOR STEEL YIELD STRENGTH 500 N/mm²
 5. ALL CONCRETE SHALL BE MACHINE MIXED AND MACHINE VIBRATED.
 6. CLEAR COVER TO MAIN STEEL 40 mm. IN COLUMN, 25 mm. 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 @ 250 C/C.
 9. THIS DRAWING SHALL BE READ WITH ARCHITECTURAL DRAWINGS.
 10. BEARING CAPACITY OF SOIL ADOPTED AS IS T.M.C.
 11. DEPTH OF FOUNDATION SHALL BE 200 mm BELOW EXISTING GROUND.
 - LAF LENGTH = LAFOR 30 TIMES OF BAR DIA.
 - 4φ = DIA OF MAIN BAR.
 - LAC = EFFECTIVE DEVELOP. LENGTH CONSIDERING COMPRESSION = 75BAR DIA.
 - LD = EFFECTIVE DEVELOP. LENGTH CONSIDERING TENSION = 47 X BAR DIA.

DRAWING :-
 ROOF BEAM
 DATE :- 03/12/2024
 PROJECT :-
 HAWAN KUND



TIE-BEAM



- NOTE:-**
1. ALL DIMENSION ARE IN FEET AND INCHES .
 2. ALL CONCRETE MIX M20 UNLESS OTHERWISE SPECIFIED.
 3. MILD STEEL YIELD STRENGTH 250 N / mm²
 4. TOR STEEL YIELD STRENGTH 500 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 Ø @ 250 C/C.
 9. THIS DRAWING SHALL BE READ WITH ARCHITECTURAL DRAWINGS.
 10. BEARING CAPACITY OF SOIL ADOPTED AS 18 T/M².
 11. DEPTH OF FOUNDATION SHALL BE 2000 mm. BELOW EXISTING GROUND .
- LAP LENGTH > L_d OR 30 TIMES OF BAR DIA
 d_b = DIA OF MAIN BAR
 L_d = EFFECTIVE DEVELOP. LENGTH CONSIDERING COMPRESSION = 37 X BAR DIA
 L_{dt} = EFFECTIVE DEVELOPMENT LENGTH CONSIDERING TENSION = 47 X BAR DIA

DRAWING :-
 TIE BEAM

DATE :- 03/12/2024

PROJECT :-
 HAWAN KUND