

VAISHAL PATLIPUTRA DUGDH UTPADAK SAHKARI SANGH LTD

PATNA DAIRY PROJECT

Feeder Balancing Dairy Complex, Phulwarisharif, Patna – 801505

Phone – 0612-2252553, 2252542, 2251622, Fax-2250325

Email :- vpmunin@gmail.com

PDP: PUR: 3361

Dated: 15.09.2018

SHORT TENDER NOTICE

Sealed Tender is invited from experienced party for –

1. **Civil foundation for Liquid Nitrogen Tank at FBD, Phulwarisharif and Bihar Sharif Chilling Centre, Bihar Sharif**
2. **Boundary for LNT wall with Barbed wire at FBD, Phulwarisharif and Bihar Sharif Chilling Centre, Bihar Sharif**

The details scope of work design is attached herewith as per Annexure –I & II

Interested parties may submit their quotation latest by 30.09.2018 by 5.00 pm in sealed envelope addressed to Managing Director, VPDUSS Ltd., Patna super scribing on the top of the envelope

“Civil foundation for Liquid Nitrogen Tank at FBD, Phulwarisharif and Bihar Sharif Chilling Centre, Bihar Sharif” and Boundary for LNT wall with Barbed wire at FBD, Phulwarisharif and Bihar Sharif Chilling Centre, Bihar Sharif”



Incharge(MM)

Enclosure: As above

Note: 1) The rate should be all inclusive FOR FBD
2) All the legal document i.e. Photo, Id Proof,
Service tax papers, etc.(Xerox is to be enclosed)

CC: Notrice Board, FBD, CFF, HCC
Patnadairy.org

Answer I

MEASUREMENT SHEET**ESTIMATE OF THE CONSTRUCTION OF THE CAMPUS FENCING
WORK FOR LIQUID NITROGEN TANK AT PATNA DAIRY PROJECT.**

SI	CODE	DESCRIPTION OF ITEM	NO.	LENGTH	WIDTH	HEIGHT	QTY.	UNIT
		SECTION - 1 (EARTH WORK)						
1	2.60	Earth Work in Excavation for foundation						
		LONG WALL	2	10.55	0.50	0.75	7.91	
		SHORT WAL	2	7.75	0.50	0.75	5.81	
							13.72	Cum.
2	2.26	Filling available excavated earth---						
		Toatal Excavated soil					13.72	
		Local sand filling						
		LONG WALL	2	10.55	0.50	0.10	1.06	
		SHORT WAL	2	7.75	0.50	0.10	0.78	
							1.84	Cum.
		BRICK SOLING						
		LONG WALL	2	10.55	0.50		10.55	
		SHORT WAL	2	7.75	0.50		7.75	
							18.30	Sqm.
		P.C.C 1:3:6						
		LONG WALL	2	10.55	0.50	0.100	1.06	
		SHORT WAL	2	7.75	0.50	0.100	0.78	
							1.84	Cum.
		BRICK WORKS						
		LONG WALL 15"	2	10.43	0.375	0.45	3.52	
		SHORT WAL	2	7.875	0.375	0.45	2.66	
		LONG WALL 10"	2	10.30	0.25	0.75	3.86	
		SHORT WAL	2	8.00	0.25	0.75	3.00	
							13.04	Cum.
		BAND						
			2	10.43	0.375	0.075	0.59	
			2	7.875	0.375	0.075	0.44	
			26	0.150	0.150	0.450	0.26	
							1.29	Cum.
		ANGLE						
			20	1.82	36.40			
			8	1.13	9.00			
					45.40	5.80	263.32	Kg.



15/9/18

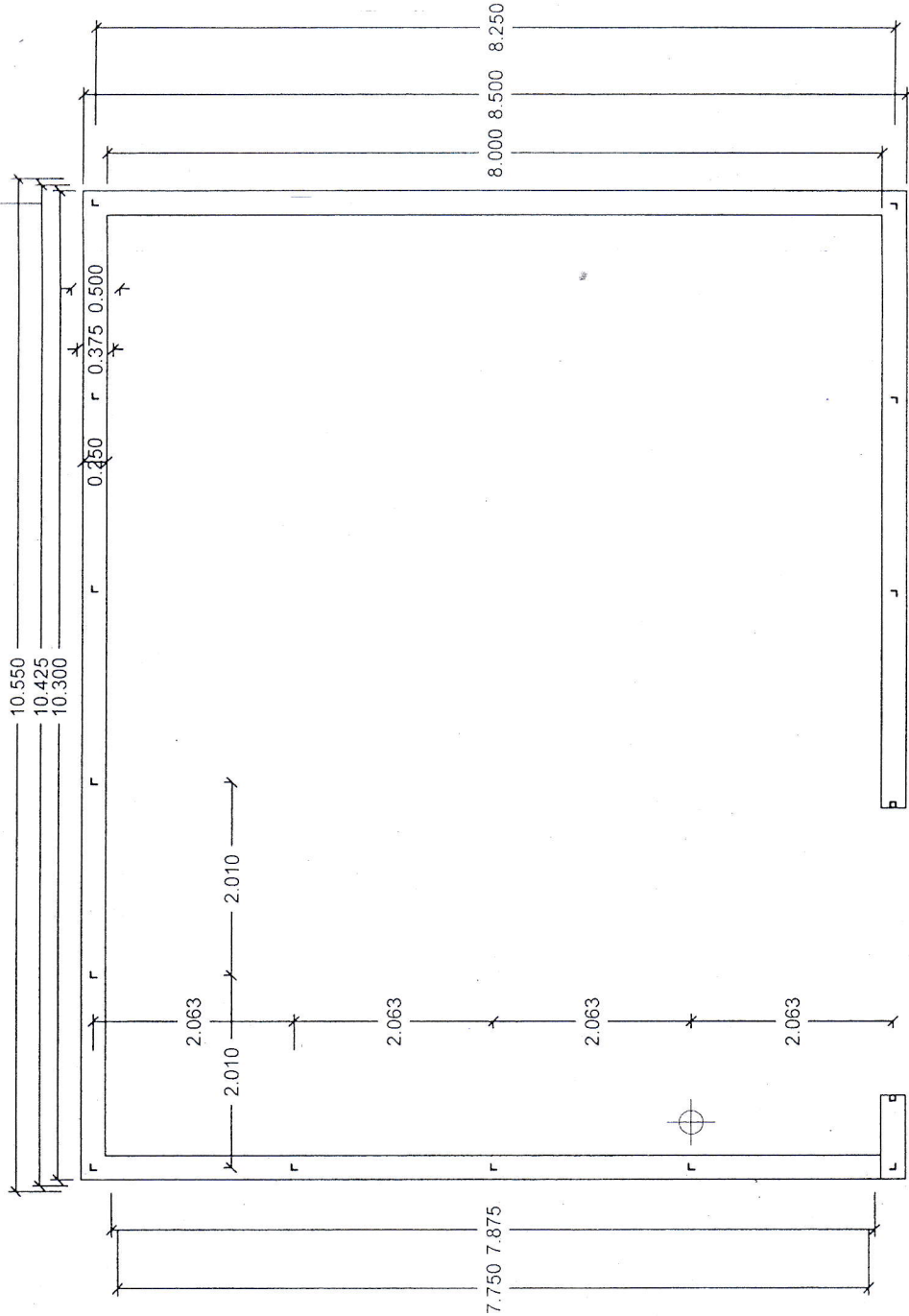
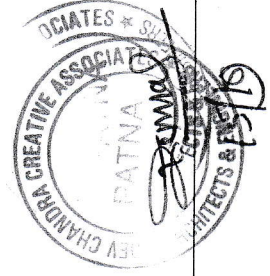
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**DRAWING: FOUNDATION
LAYOUT PLAN**

**PROJECT: PATNA DAIRY PRO
PHULWARISHARIF PAT**

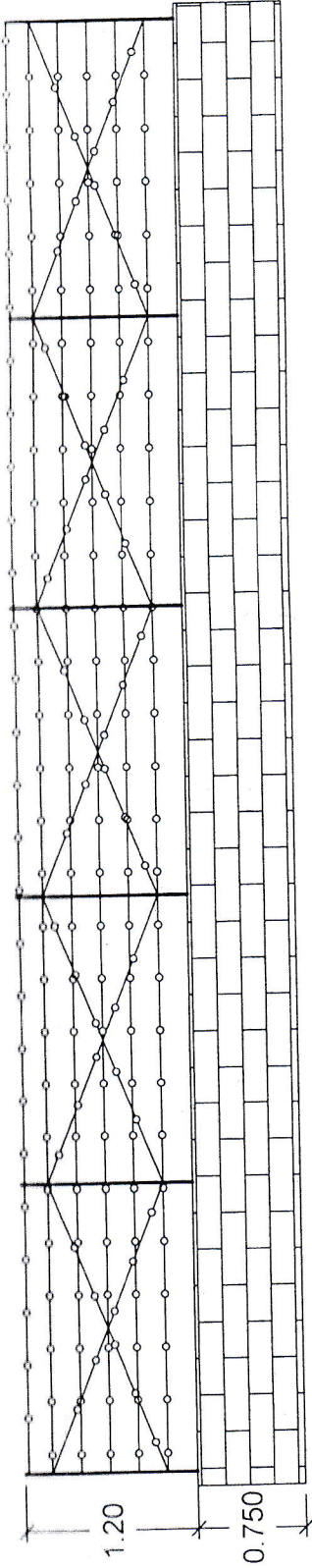
**PROJECT: CONSTRUCTIO
COMPOUND WALL WITH BARBED
OVER BRICK WORK FOUNDA**

**DEV-CHANDRA CREATIVE ASSOC
ARCHITECTS, ENGINEERS & DESIG**

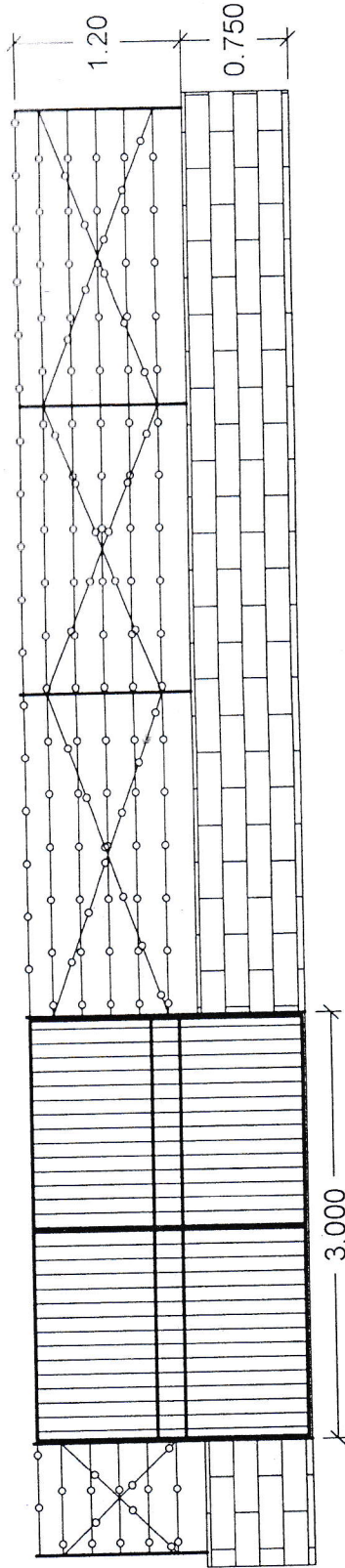


LAY OUT PLAN OF BRICK WALL WITH FANCYING WIRE

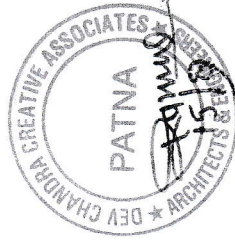
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BACK ELEVATION



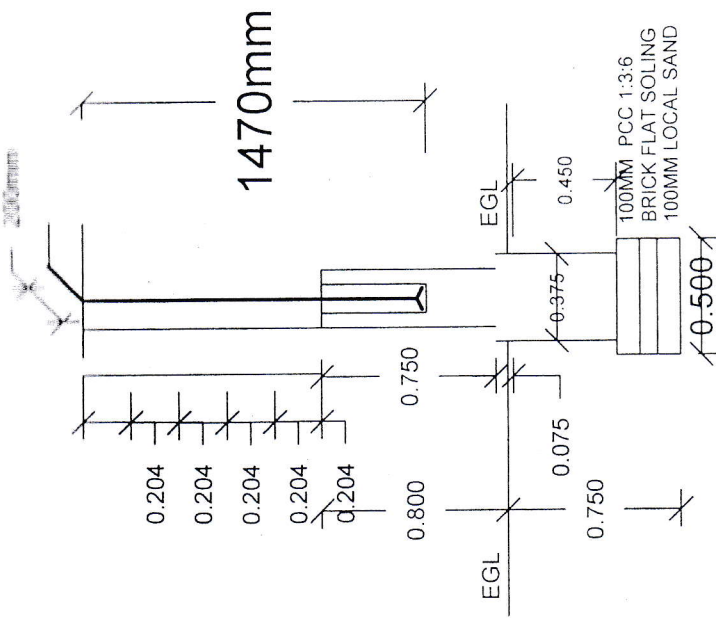
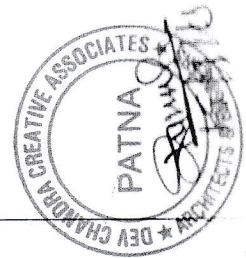
FRONT ELEVATION



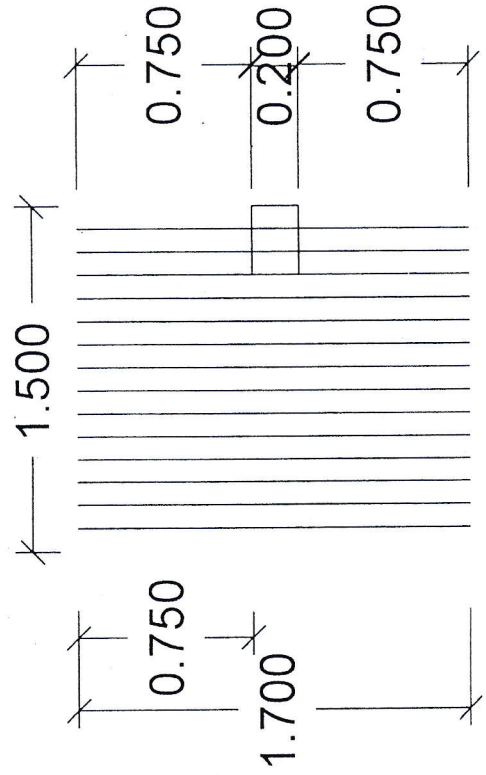
**DEV-CHANDRA CREATIVE
ASSOCIATES
ARCHITECTS, ENGINEERS &
DESIGNERS**

**PROJECT: CONSTRUCTION OF
COMPOUND WALL WITH BARBED
WIRE OVER BRICK WORK
FOUNDATION**

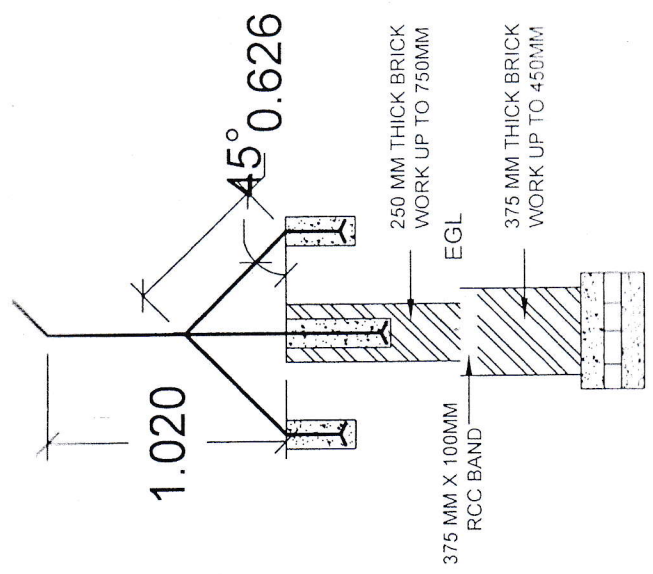
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M I D A N G L E



GATE HOLLOW SECTION



CORNER ANGLE JOINT BY TWO BOLTS

ADVANCE COPY

PROJECT: CONSTRUCTION OF COMPOUND WALL WITH BARBED WIRE OVER BRICK WORK FOUNDATION

OUTER & MID FRAME 50 X 25 X 3.2 M M

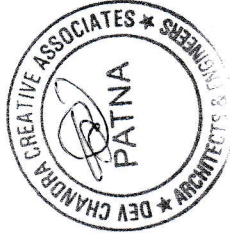
ALL INTERMEDIATE HOLLOW BAR 25 X 25 X 1.6 M M

DEV-CHANDRA CREATIVE ASSOCIATES ARCHITECTS, ENGINEERS & DESIGNERS

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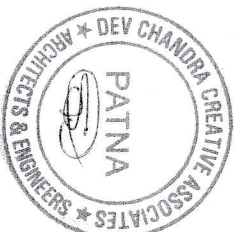
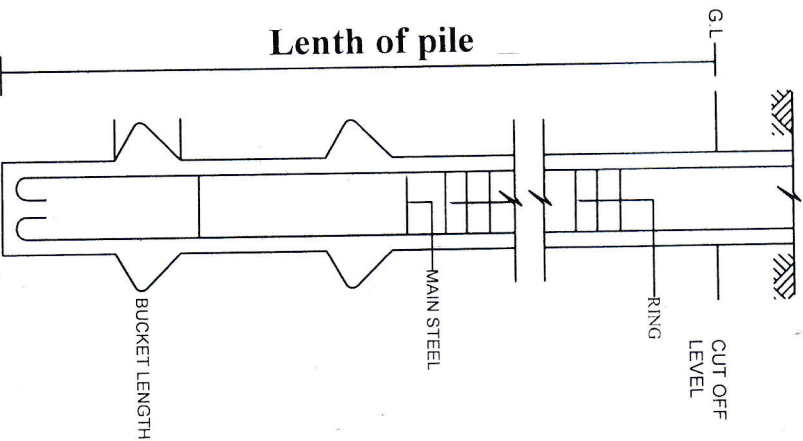
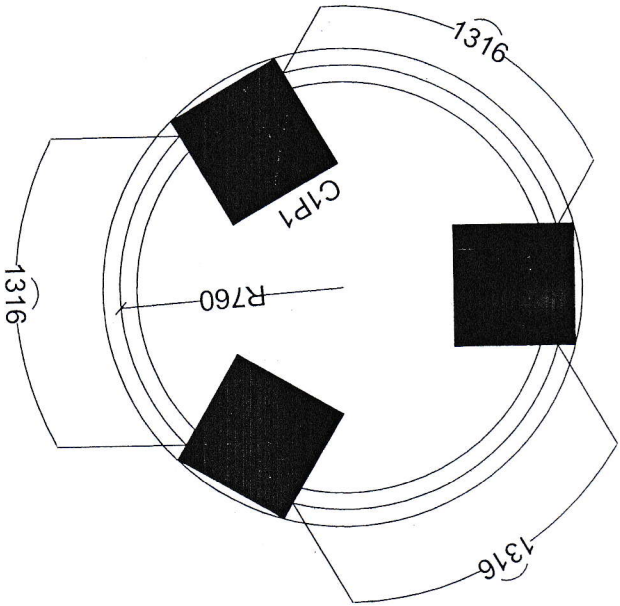
2/16/15
 [Signature]

Sl. No.	Description	No.	Length	Width	Depth	Quantity	Unit
	RING 8DIA TOR	3	8	1.73	0.395	16.4	
	RING 8DIA TOR	6	8	1.26	0.395	23.89	
						40.29	Kg.
	CAPPING BEAM BOTTOM 4-16 DIA	2	4	5.5	1.58	69.52	
	TOP 4-12 DIA	4	4	5.5	0.888	78.14	
	8 DIA TOR	2	23	1.13	0.395	20.53	
	12diator	4	6	0.9	0.888	19.18	
	8 DIA TOR TOTAL	130.44					
	10 DIA TOR TOTAL	53.22					
	12 DIA TOR TOTAL	97.32					
	16 DIA TOR TOTAL	143.46					
	PCC : 1:2:6	0.42444					
		1				1cUM.	



SCHEDULE OF PILES

PILE MK D	DIA M M	U/R DIA U/R	NO.OF U/R	DEPTH M M	STEEL	RINGS
P1	400	800	02	5000	5-10Ø	8Øtor@200C/C



FOUNDATION LAYOUT & DETAILS

PILE DETAILS

NOTE:-

- (01) ALL DIMENSIONS ARE IN MM
- (02) ALL DESIGN MIX CONCRETE OF GRADE M 20 HAVING MINIMUM CEMENT CONTENT 300 kg/m³, MAX W/C=0.5 FOR COARSE AGGREGATE 20 mm SIZE
- (03) * INDICATES H-VSD BARS OF GRADE F4500 VERTICAL
- (04) ALL CONCRETE SHALL BE MACHINE MIXED AND VIBRATED
- (05) NOMINAL COVER IN CLEAR CONCRETE SHALL BE AS PER BEARING EVENTS INCLUDING LAPS FOR COLUMN/BEAM/COLUMN AND BEAMS AND SLABS
- (06) Ø - DIA OF MAIN BAR
- (07) Ø - OVERALL DEPTH OF BEAM
- (08) d - EFFECTIVE DEPTH OF BEAMS, SL
- (09) D - OVERALL DEPTH OF SLAB
- (10) T - EDGE THICKNESS OF SLAB
- (11) L - EFFECTIVE DEVELOP. LENGTH CONSIDERING TENSION 4X BAR DIA
- (12) L - EFFECTIVE DEVELOP. LENGTH CONSIDERING TENSION 4X BAR DIA
- (13) L₁ - EFFECTIVE DEVELOP. LENGTH CONSIDERING TENSION 4X BAR DIA
- (14) L₂ - EFFECTIVE DEVELOP. LENGTH CONSIDERING COMPRESSION 3X BAR DIA
- (15) SIDE FACE REINFORCEMENT IN BEAMS -0.1% OF WEB AREA EQUALLY DISTRIBUTED ON BOTH FACES WHERE DEPTH OF WEB>750 FOR STRAIGHT BEAMS IN FLEXURE ONLY @ 500C/C OR WEB THICKNESS, WHICHEVER IN LESS
- (16) SIDE FACE REINFORCEMENT IN BEAMS RESTING TORSION AND HAVING DEPTH OF CROSS SECTION>400 SHALL BE SAME AS IN NOTE(14)
- (17) ONLY WRITTEN DIMENSION ARE TO BE FOLLOWED
- (18) GRID LINE SHOWS CL OF WALLS
- (19) THIS DRAWING SHALL BE READ WITH ARCHITECTURAL DRAWINGS NO

NOTES:-

1. IN CASE OF DIMENSIONAL MISMATCH, FOLLOW ARCH. DRG.
2. ALL DIMENSIONS ARE IN MM UNLESS MENTIONED.
- ONLY WRITTEN DIMENSIONS TO BE FOLLOWED

DEVCHANDRA CREATIVE ASSOCIATES
ARCHITECTS, ENGINEERS, & DESIGNERS

STRUCTURAL CONSULTANT:-

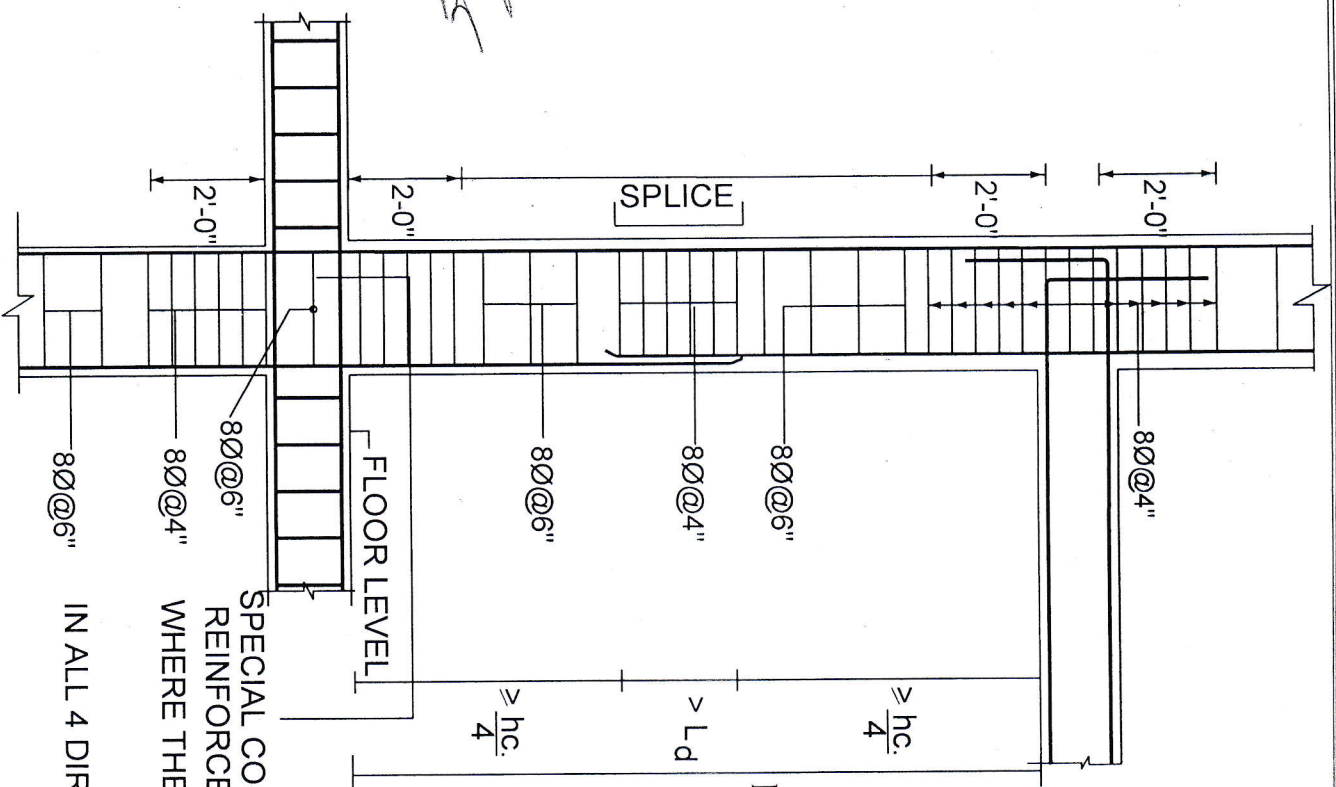
SAPPERS

(CENTRE OF STRUCTURE DESIGN)
B/26, 3RD FLOOR
MAURYA LOK COMPLEX PATNA-01
TEL: 0612-2201133

SCALE	DATE	DRG. NO.
NTS	31 AUG 18	

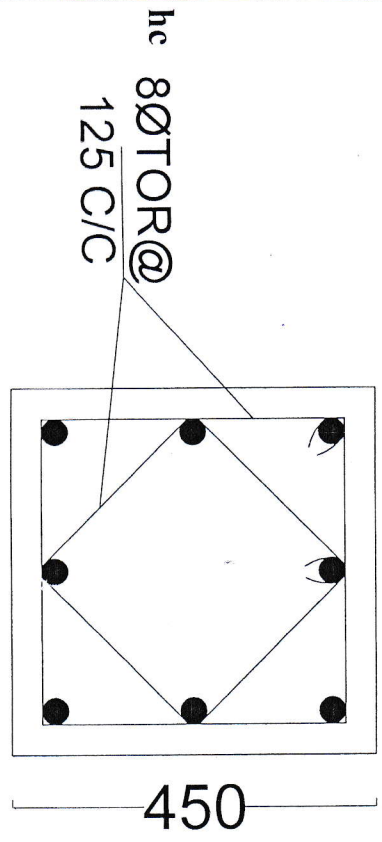
DEALT BY :- RAUSHAN
CHKD. BY :- RAUSHAN

SHEET TITLE COLUMN DETAILS

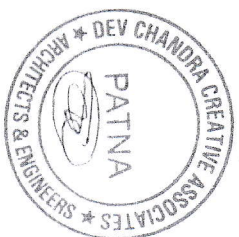


15/2/18
[Signature]

TYP. DETAILS OF COLUMN
CONNECTED TO THE BEAM



8-16Ø TOR
COLUMN
C1



COLUMN DETAILS

<p>NOTE:- (01) ALL DIMENSIONS ARE IN MM (02) ALL DESIGN MIX CONCRETE OF GRADE M 20 HAVING MINIMUM CEMENT CONTENT 300 KG/M³ MAX W/C-RS FOR COURSE ABOVE AND E 20 FOR SLAB (03) # INDICATES W/SD BARS OF GRADE #A 500 (04) ALL CONCRETE SHALL BE MACHINE MIXED AND VIBRATED (05) NOMINAL COVER & CLEAR CONCRETE COVER TO ALL REINFORCEMENTS INCLUDING JAWS FOR FOUNDATION COLUMN BEHIND AND ELEVANT (06) 5 DIA OF MAIN BAR (07) 5 OVERALL DEPTH OF BEAM (08) d EFFECTIVE DEPTH OF BEAMS AS (09) D OVERALL DEPTH OF SLAB (10) T EDGE THICKNESS OF SLAB (11) L EFFECTIVE DEVELOP LENGTH CONSIDERING TENSION 4X BAR DIA (12) L EFFECTIVE DEVELOP LENGTH CONSIDERING TENSION 4X BAR DIA (13) L EFFECTIVE DEVELOP LENGTH CONSIDERING TENSION 4X BAR DIA (14) L_c EFFECTIVE DEVELOP LENGTH CONSIDERING COMPRESSION 3X BAR DIA (15) SIDE FACE REINFORCEMENT IN BEAMS 50% OF WEB AREA EQUAL TO DEVELOP LENGTH FOR STRAIGHT BEAMS IN FLEXURE ONLY @ 400D OR WEB THICKER, WHICHEVER IN LESS (16) TOR AND HAVING TORSION > 450 SHALL BE SAKE AS IN NOTE (14) (17) ONLY WRITTEN DIMENSION ARE TO BE FOLLOWED (18) GRID LINE SHOWS C/L OF WALLS (19) THIS DRAWING SHALL BE READ WITH ARCHITECTURAL DRAWINGS NO.</p>		
<p>NOTES:- 1. IN CASE OF DIMENSIONAL MISMATCH, FOLLOW ARCH. DRG 2. ALL DIMENSIONS ARE IN MM (ELSE MENTIONED) ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.</p>		
<p>CONSULTANT: DEVCHANDRA CREATIVE ASSOCIATES ARCHITECTS, ENGINEERS, & DESIGNERS</p>		
<p>STRUCTURAL CONSULTANT:- SAPPERS DESIGNERS (CENTRE OF STRUCTURE DESIGN) B/26, 3RD FLOOR MAURVA LOK COMPLEX, PATNA-01 TEL: 0612-2201133</p>		
SCALE	DATE	DRG NO.
NTS.	31 AUG 18	
DEALT BY :- RAUSHAN		
CHKD. BY :- RAUSHAN		
SHEET TITLE		COLUMN DETAILS