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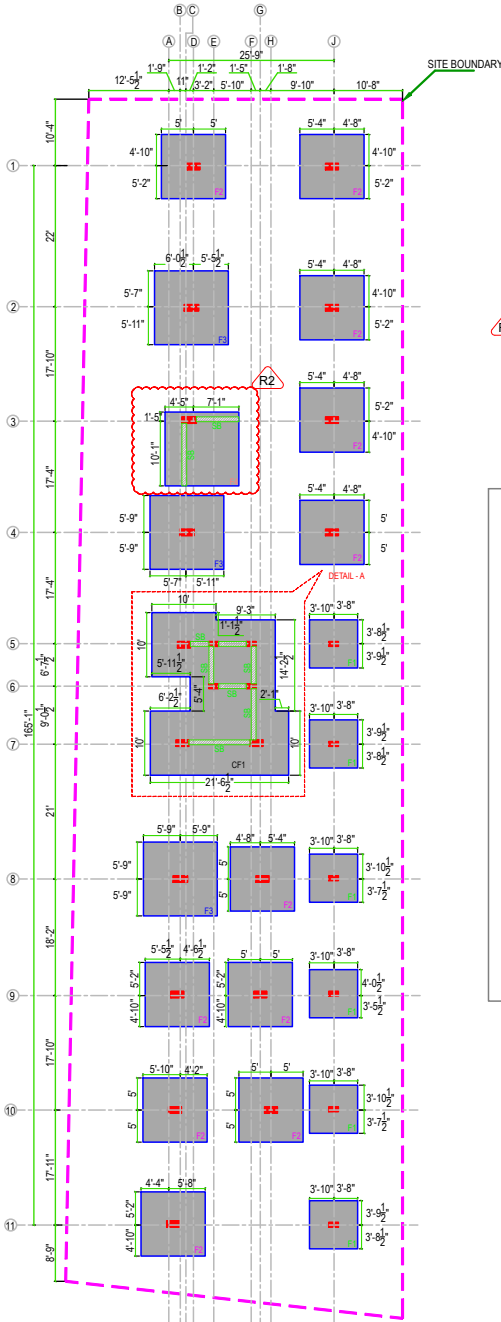
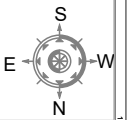
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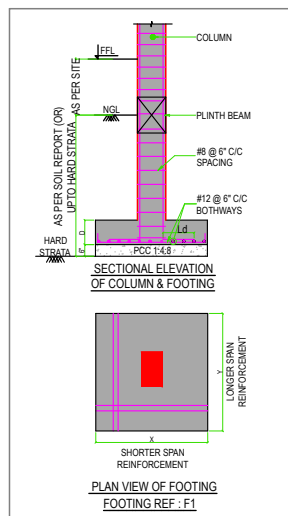




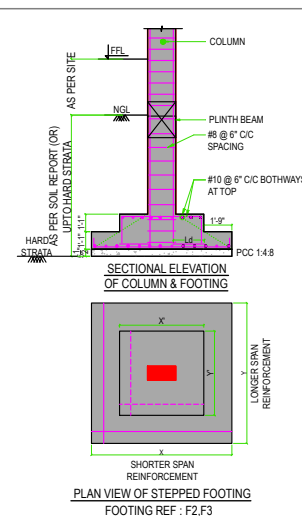
FOOTING LAYOUT AND DETAILS

SCHEDULE OF FOOTING

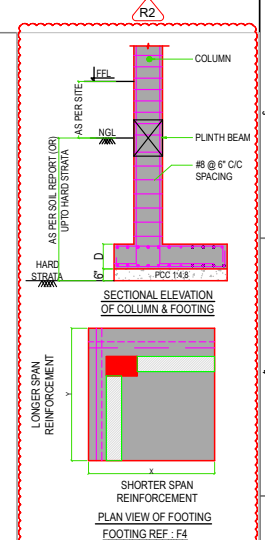
S.NO	F.NO	DEPTH	FOOTING SIZE	BOTTOM MAT		TOP MAT		NO.OF FOOTINGS TOTAL - 22
				SHORTER SPAN (X)	LONGER SPAN (Y)	SHORTER SPAN (X)	LONGER SPAN (Y)	
1	F1	2'-0"	7'-6" x 7'-6"	#12 @ 6" c/c	#12 @ 6" c/c	-	-	6
2	F2	2'-6"	10'-0" x 10'-0"	#12 @ 5" c/c	#12 @ 5" c/c	#10 @ 6" c/c	#10 @ 6" c/c	11
3	F3	2'-6"	11'-6" x 11'-6"	#12 @ 4" c/c	#12 @ 4" c/c	#10 @ 6" c/c	#10 @ 6" c/c	3
4	F4	2'-6"	11'-6" x 11'-6"	#12 @ 4" c/c	#12 @ 4" c/c	#10 @ 6" c/c	#10 @ 6" c/c	1
5	CF1	2'-6"	-	#12 @ 4" c/c	#12 @ 4" c/c	#12 @ 6" c/c	#12 @ 6" c/c	1



PLAN VIEW OF FOOTING
FOOTING REF : F1



PLAN VIEW OF STEPPED FOOTING
FOOTING REF : F2 F3



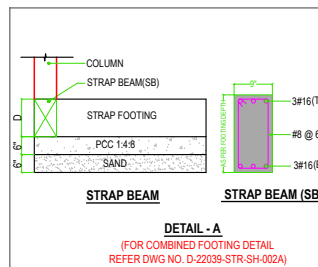
PLAN VIEW OF FOOTING
FOOTING REF : F4

LEGENDS:

- # - INDICATES TOR STEEL REINFORCEMENT
- - INDICATES SMALLER DIA BARS
- T - TOP BARS
- B - BOTTOM BARS
- SB - STRAP BEAM

NOTES:

- ALL DIMENSION ARE IN 'FEET & INCHES' UNLESS OTHERWISE MENTIONED.
- ALL LEVELS ARE FROM FINISHED FLOOR LEVEL (FFL)
- CONCRETE : M25 GRADE (USE DESIGN MIX)
- STEEL : FE500 TMT BARS
- CLEAR COVER FOR MAIN REINFORCEMENT
A) FOR FOOTING : 2" (50mm) - BOTTOM, 3" (75mm) - SIDE COVER
B) FOR COLUMN : 1/2" (12mm)
- REMOVAL OF FORMWORK: AS PER IS 456: 2000
- CURING PERIOD FOR ALL STRUCTURAL CONCRETE IS 28 DAYS.
- PROVIDE MINIMUM LAP LENGTH OF 500 FOR COLUMN & FOOTING REINFORCEMENT, WHERE Ø IS DIAMETER OF MAIN BARS.
- PROVIDE DEVELOPMENT LENGTH OF 1/10 OF FOR COLUMN REINFORCEMENTS
- SBC OF THE SOIL IS TAKEN AS 245 KN/M² AS PER SOIL REPORT
- DRAWINGS SHOULD BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS
- ANY DISCREPANCY FOUND IN THE DRAWING SHOULD BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL CONSULTANT BEFORE EXECUTION
- BUILDING IS DESIGNED FOR S-5 FLOORS



DETAIL - A
(FOR COMBINED FOOTING DETAIL
REFER DWG NO. D-22039-STR-SH-002A)

PROJECT :	PROPOSED COMMERCIAL APARTMENT BUILDING		
CLIENT :	VAKAMAN S3 - DNA STUDIO		
CONTRACTOR :	-		
TITLE :	FOOTING LAYOUT & DETAILS		
REV	DATE	DESCRIPTION	REV BY
R2	22-08-2022	REVISED FOR FOOTING IN GRID D3	RPE
R1	02-08-2022	REVISED FOR LATEST SCHEME	NAV

GOOD FOR CONSTRUCTION

CHIEF ENGINEER

DO NOT SCALE THE DRAWINGS.
FOLLOW THE DIMENSIONS MENTIONED IN THE DRAWING.

SCALE	DATE	DESIGNED	DRAWN	CHECKED	APPROVED
NTS	20-06-2022	DPD	TBN	PPA	DR. A.S
DRG.NO : D-22039 - STR- SH-002					REV R1
SHEET A1	PROJECT NO D - 22039	CADD FILE D : SERVER : D - 22039 - VAKAMAN S3 COMMERCIAL APARTMENT			

ARCHITECT :

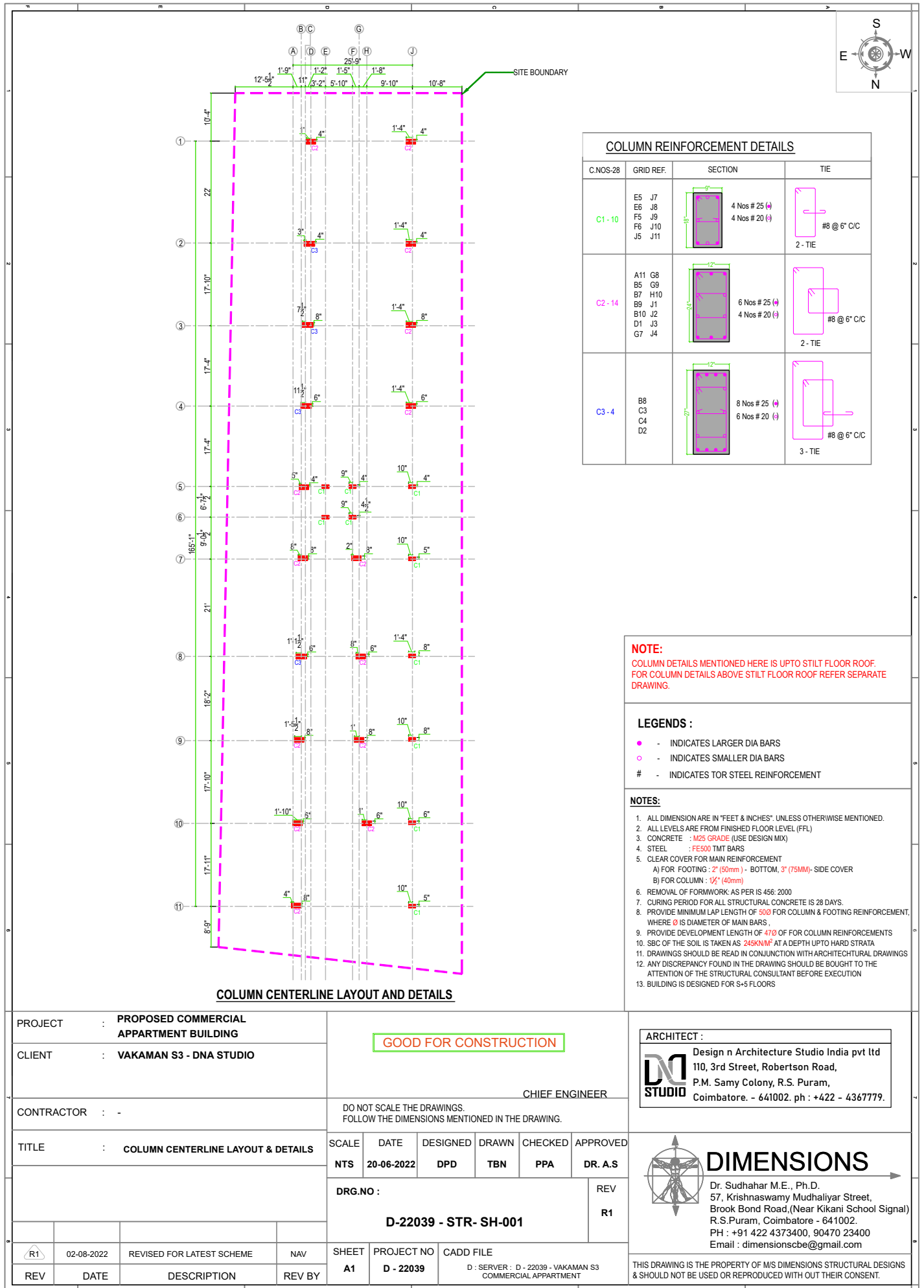
Design n Architecture Studio India pvt ltd
110, 3rd Street, Robertson Road,
P.M. Samy Colony, R.S. Puram,
Coimbatore. - 641002. ph : +422 - 4367779.

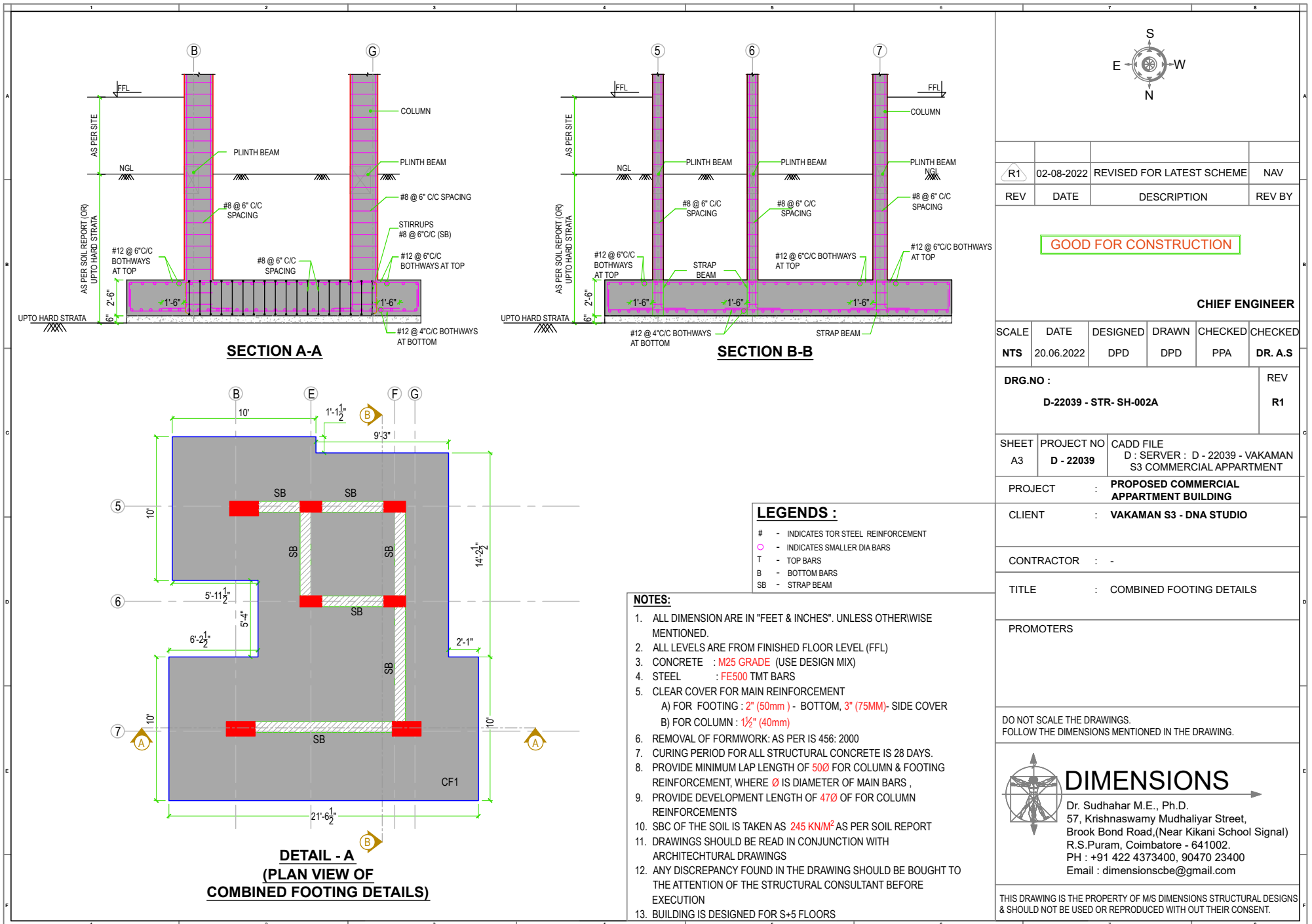


DIMENSIONS

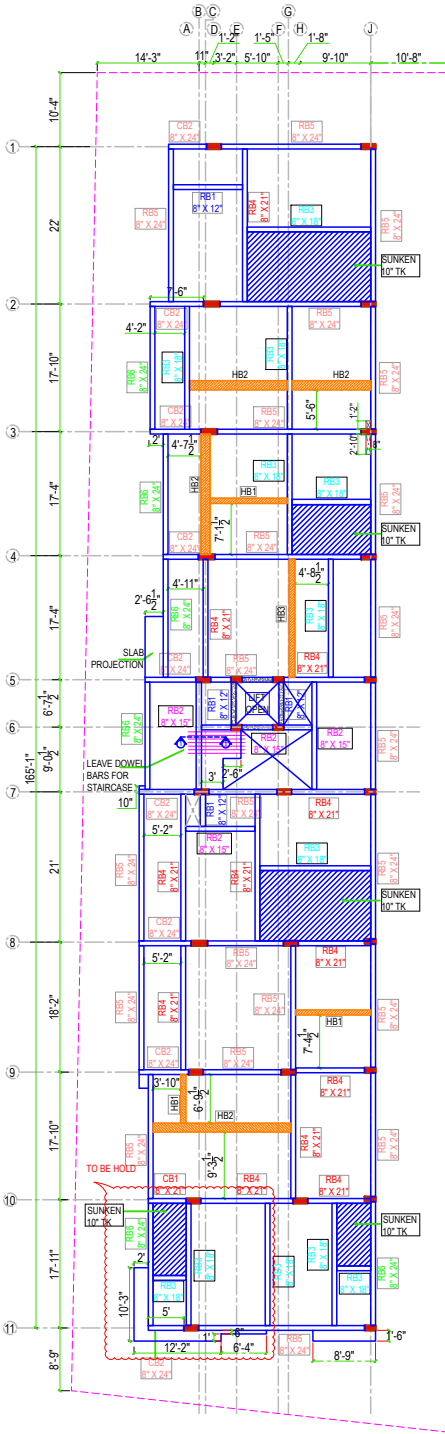
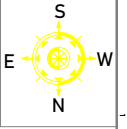
Dr. Sudhakar M.E., Ph.D.
57, Krishnaswamy Mudhaliyar Street,
Brook Bond Road, (Near Kikani School Signal)
R.S. Puram, Coimbatore - 641002.
PH : +91 422 4373400, 90470 23400
Email : dimensionscbe@gmail.com

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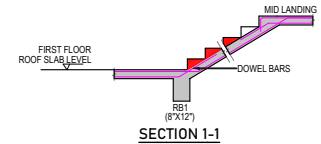
R1	02-08-2022	REVISED FOR LATEST SCHEME	NAV		
REV	DATE	DESCRIPTION	REV BY		
GOOD FOR CONSTRUCTION CHIEF ENGINEER					
SCALE	DATE	DESIGNED	DRAWN	CHECKED	CHECKED
NTS	20.06.2022	DPD	DPD	PPA	DR. A.S
DRG.NO : D-22039 - STR- SH-002A					REV R1
SHEET A3	PROJECT NO D - 22039	CADD FILE D : SERVER : D - 22039 - VAKAMAN S3 COMMERCIAL APPARTMENT			
PROJECT :		PROPOSED COMMERCIAL APARTMENT BUILDING			
CLIENT :		VAKAMAN S3 - DNA STUDIO			
CONTRACTOR :		-			
TITLE :		COMBINED FOOTING DETAILS			
PROMOTERS					
DO NOT SCALE THE DRAWINGS. FOLLOW THE DIMENSIONS MENTIONED IN THE DRAWING.					
 DIMENSIONS Dr. Sudhahar M.E., Ph.D. 57, Krishnaswamy Mudhaliyar Street, Brook Bond Road,(Near Kikani School Signal) R.S.Puram, Coimbatore - 641002. PH : +91 422 4373400, 90470 23400 Email : dimensionscbe@gmail.com					
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TYPICAL FLOOR ROOF BEAM LAYOUT & DETAILS

ROOF BEAM REINFORCEMENT DETAILS

ROOF BEAM	END SECTION	MID SECTION
RB1		
RB2		
RB3		
RB4		
RB5		
RB6		
CB1		THROUGH OUT CANTILEVER
CB2		THROUGH OUT CANTILEVER
HB1		THROUGH OUT
HB2		THROUGH OUT
HB3		THROUGH OUT



NOTE:
FOR ROOF BEAM LONGITUDINAL SECTION DETAILS REFER
DRAWING NO: STR-SH-007A

REMARKS :

- - INDICATES LARGER DIA BARS
- - INDICATES SMALLER DIA BARS
- # - INDICATES TOR STEEL REINFORCEMENT
- T - TOP BAR
- B - BOTTOM BAR
- RB - ROOF BEAM
- HB - HIDDEN BEAM OR STIFFENER BEAM
- SF - SIDE FACE BARS
- - SUNKEN 10' TK

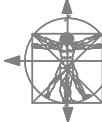
NOTES:

- ALL DIMENSIONS ARE IN 'FEET & INCHES'. UNLESS OTHERWISE MENTIONED.
- ALL LEVELS ARE FROM FINISHED FLOOR LEVEL (FFL).
- CONCRETE : M25 GRADE (USE DESIGN MIX)
- REBAR : FE500 TMT BARS
- CLEAR COVER FOR MAIN REINFORCEMENT
A) FOR BEAM : 1" (25mm)
- REMOVAL OF FORMWORK AS PER IS 456: 2000
- CURING PERIOD FOR ALL STRUCTURAL CONCRETE IS 28 DAYS.
- LAPPING:
A) FOR BEAM : THE BOTTOM STEEL SHALL BE LAPPED AT SUPPORT & TOP STEEL SHALL BE LAPPED NEAR MID SPAN
B) NO LAPPING SHALL BE ALLOWED IN TOP STEEL OF CANTILEVER BEAMS, TOP STEEL AT CONTINUOUS SUPPORT, BOTTOM STEEL AT MID SPAN
C) PROVIDE MINIMUM LAP LENGTH OF 500 FOR BEAMS & SLAB REINFORCEMENTS, WHERE Ø IS DIAMETER OF MAIN BARS
- DETAILING AS PER IS:13920: 2016
- LEAVE DOWELS BARS BOTH TOP & BOTTOM FOR STAIRCASE
- DRAWINGS SHOULD BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS
- ANY DISCREPANCY FOUND IN THE DRAWING SHOULD BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL CONSULTANT BEFORE EXECUTION
- FOR STAIRCASE DETAILS REFER SEPARATE DETAILS.

ARCHITECT :

Design n Architecture Studio India pvt ltd
110, 3rd Street, Robertson Road,
P.M. Samy Colony, R.S. Puram,
Coimbatore. - 641002. ph : +422 - 4367779.

STRUCTURAL CONSULTANT:



DIMENSIONS

Dr. Sudhakar M.E., Ph.D.
57, Krishnaswamy Mudhaliyar Street,
Brook Bond Road, (Near Kikani School Signal)
R.S.Puram, Coimbatore - 641002.
PH : +91 422 4373400, 90470 23400
Email : dimensionscbe@gmail.com

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PROJECT	:	PROPOSED COMMERCIAL APPARTMENT BUILDING		
CLIENT	:	VAKAMAN S3 - DNA STUDIO		
CONTRACTOR	:	-		
TITLE	:	TYPICAL FLOOR- ROOF BEAM LAYOUT & DETAILS		
R5	14-07-2023	REVISED AS PER COMMENTS		RVS
R4	13-07-2023	REVISED AS PER COMMENTS		RVS
R3	27-06-2023	REVISED AS PER COMMENTS		RVS
REV	DATE	DESCRIPTION		REV BY

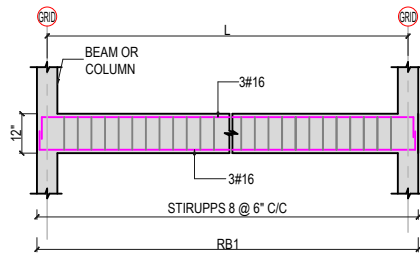
GOOD FOR CONSTRUCTION

CHIEF ENGINEER

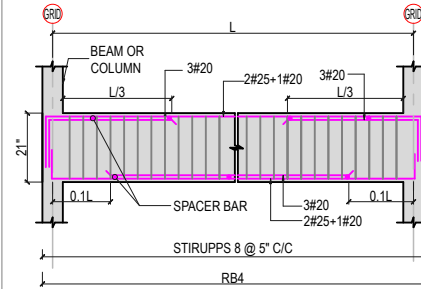
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SCALE	DATE	DESIGNED	DRAWN	CHECKED	APPROVED
NTS	16-09-2022	DPD	RPE	PPA	DR. A.S
DRG.NO :	D-22039 - STR- SH-007				REV R5
SHEET A1	PROJECT NO D - 22039	CADD FILE D : SERVER : D - 22039 - VAKAMAN S3 COMMERCIAL APARTMENT			

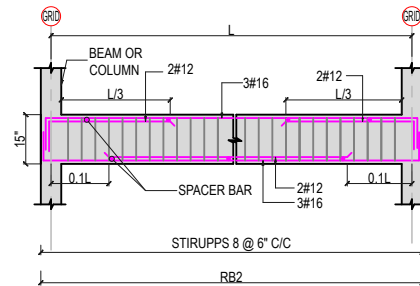
ROOF BEAMS LONGITUDINAL SECTION DETAILS



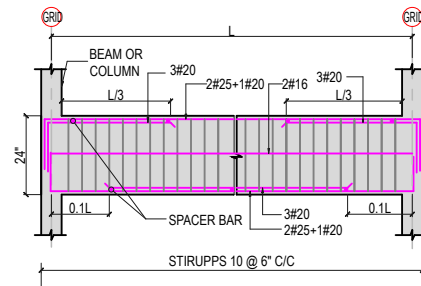
ROOF BEAM - (RB1)



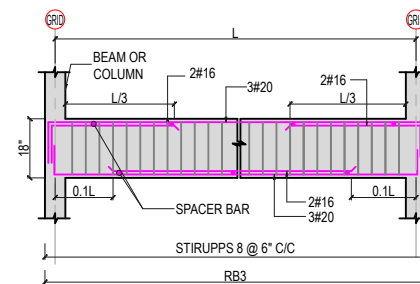
ROOF BEAM - (RB4)



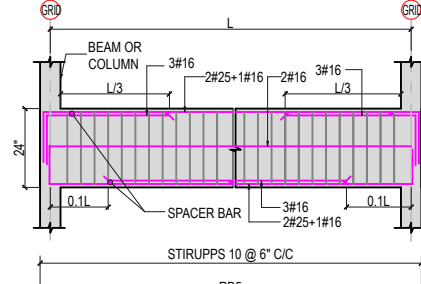
ROOF BEAM - (RB2)



ROOF BEAM - (RB5)

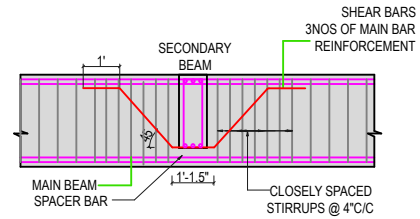


ROOF BEAM - (RB3)

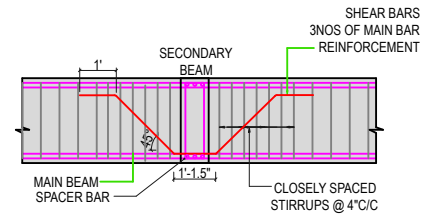


ROOF BEAM - (RB6)

SECONDARY BEAM LONGITUDINAL SECTION DETAILS



DETAIL FOR BEAM WITH VARYING DEPTH



DETAIL FOR BEAM WITH SAME DEPTH

REMARKS :

- INDICATES TOR STEEL REINFORCEMENT

NOTES:

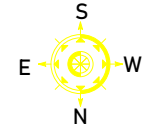
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- ALL LEVELS ARE FROM FINISHED FLOOR LEVEL (FLL)
- CONCRETE : M25 GRADE (USE DESIGN MIX)
- REBAR : FE500 TMT BARS
- CLEAR COVER FOR MAIN REINFORCEMENT
A) FOR BEAM : 1" (25mm)
- REMOVAL OF FORMWORK: AS PER IS 456: 2000
- CURING PERIOD FOR ALL STRUCTURAL CONCRETE IS 28 DAYS.
- LAPPING:

A) FOR BEAM : THE BOTTOM STEEL SHALL BE LAPPED AT SUPPORT & TOP STEEL SHALL BE LAPPED NEAR MID SPAN

B) NO LAPPING SHALL BE ALLOWED IN TOP STEEL OF CANTILEVER BEAMS, TOP STEEL AT CONTINUOUS SUPPORT, BOTTOM STEEL AT MID SPAN

C) PROVIDE MINIMUM LAP LENGTH OF 500 FOR BEAMS & SLAB REINFORCEMENTS, WHERE Ø IS DIAMETER OF MAIN BARS

- DETAILING AS PER IS13920: 2016
- LEAVE DOWELS BARS BOTH TOP & BOTTOM FOR STAIRCASE
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- ANY DISCREPANCY FOUND IN THE DRAWING SHOULD BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL CONSULTANT BEFORE EXECUTION
- FOR STAIRCASE DETAILS REFER SEPERATE DETAILS.



R3	14-07-2023	REVISED AS PER COMMENTS	RVS
R2	13-07-2023	REVISED AS PER COMMENTS	RVS
REV	DATE	DESCRIPTION	REV BY

GOOD FOR CONSTRUCTION

CHIEF ENGINEER

SCALE	DATE	DESIGNED	DRAWN	CHECKED	CHECKED
NTS	16-09-2022	DPD	RPE	PPA	DR. A.S

DRG.NO :	REV
D-22039-STR-SH-007A	R2

SHEET	PROJECT NO	CADD FILE
A3	D-22039	D-22047-VAKAMAN S3 COMMERCIAL

PROJECT	: COMMERCIAL APARTMENT BUILDING
CLIENT	: VAKAMAN S3 - DNA STUDIO

CONTRACTOR	: -
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TITLE	: TYPICAL FLOOR - ROOF BEAM LOGITUDINAL SECTION DETAILS
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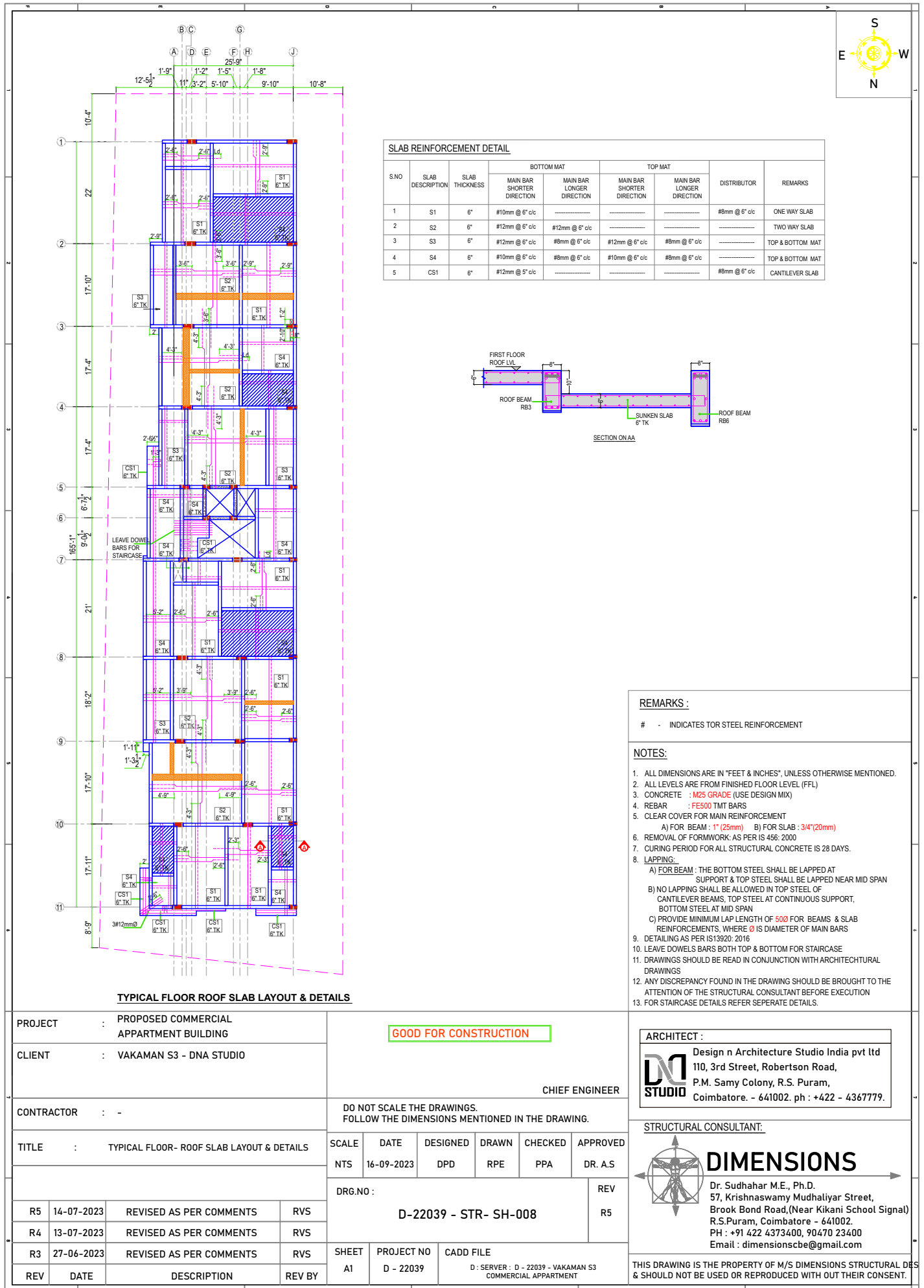
ARCHITECT :	Design n Architecture Studio India pvt ltd 110, 3rd Street, Robertson Road, P.M. Samy Colony, R.S. Puram, Coimbatore. - 641002. ph : +422 - 4367779.
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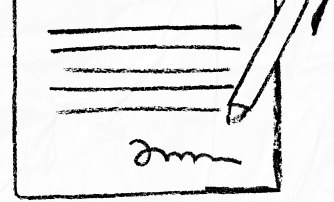
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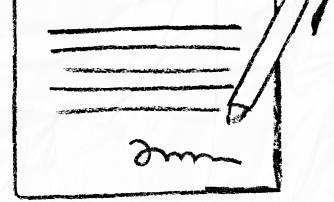
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