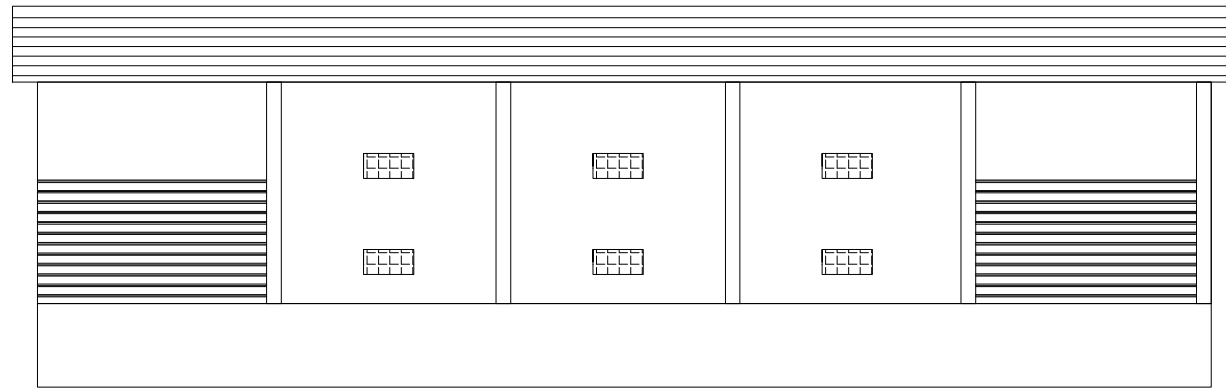
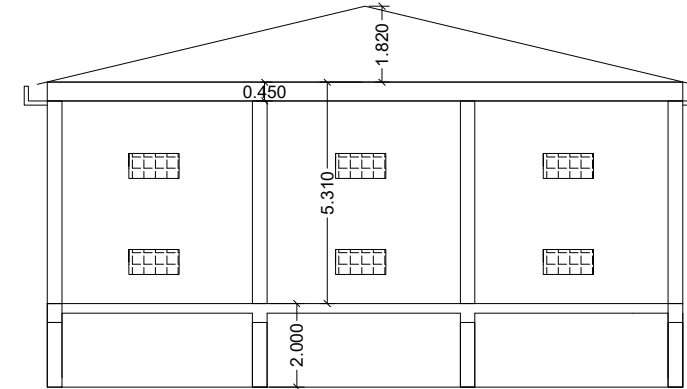


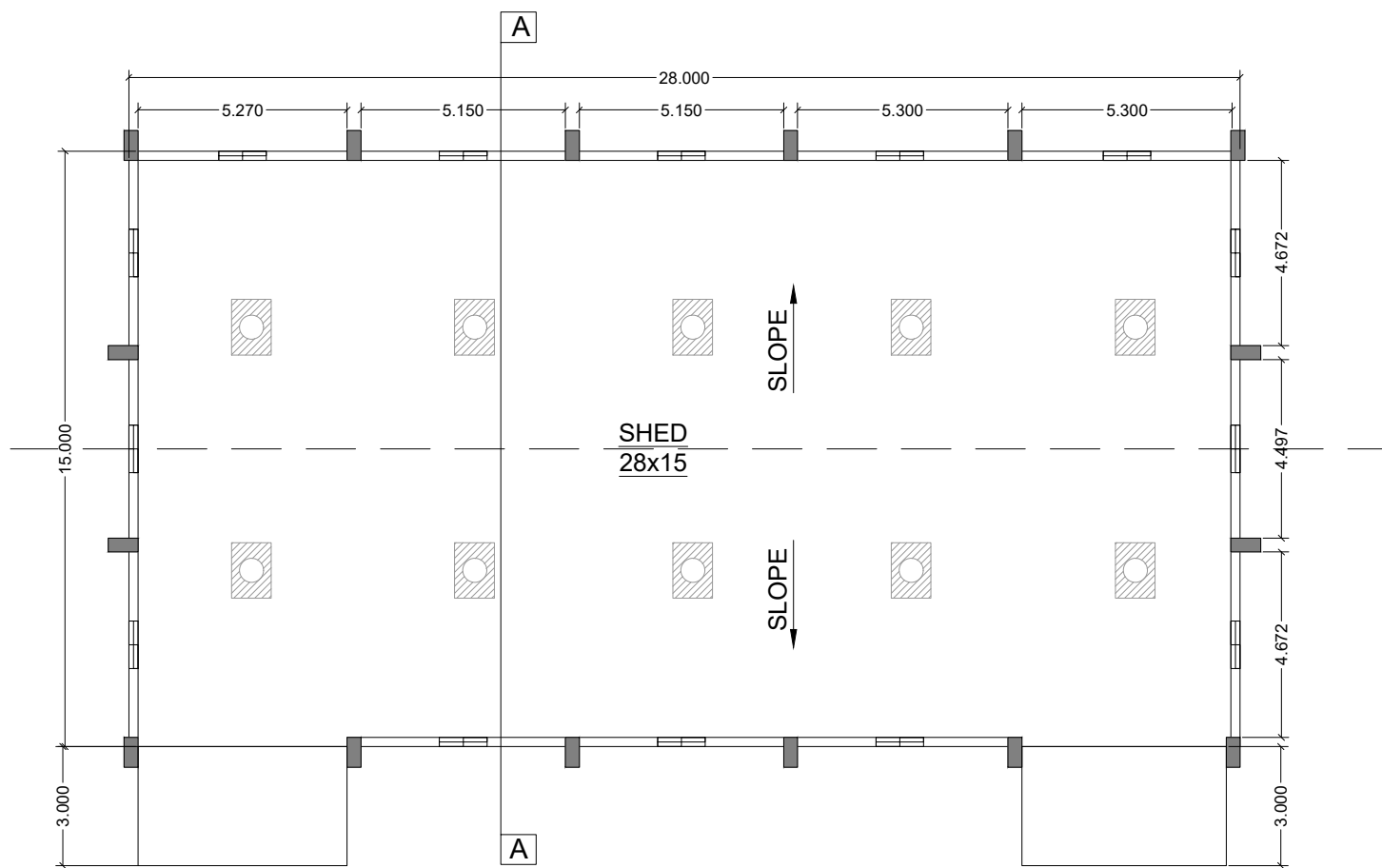
700 MT GODOWN



FRONT SIDE ELEVATION



SECTION A-A





GROUND FLOOR PLAN



PROP. CONSTRUCTION

BLOCK PLAN

PROJECT :	Proposed Construction of Processing Shed (28.18 Mts X 15 Mts=420SQ.M.) Limit under SMART Project GOM (Agriculture Dept.) , A/p:-Pimpalwadi, Tal.-Rahata, Dist .-A.Nagar. Pin 423109		
CLIENT :	Ms:-Saidisha Farmer Producer Company Ltd		
DETAILS OF PLAN, SECTION ELEVATION.			
DSG. BY:	GAGAN	JOB NO :1348	
CHKD. BY:	GAGAN		

General Notes :

- ORIENTATION OF COLUMN AS PER ARCHITECTURAL CENTER LINE PLAN IF THERE IS ANY DIFFERENCE IN COLUMN ORIENTATION IN R.C.C DRAWING AND CENTER LINE PLAN BRING IT TO THE NOTICE OF STRUCTURAL CONSULTANT BEFORE CASTING OF FOOTING.
- NOMINAL COVERS FOR REINFORCEMENT:

DESCRIPTION /EXPOSURE	MILD	MODERATE	SEVERE
FOOTING	50	50	50
COLUMNS	40	40	45
BEAMS	30	30	45
SLABS	20	25	40
R.C.C WALLS (LIFT WALL/SHEAR WALL)	40	40	45

- FOUNDATION UPTO SOIL STRATA, MIN. DEPTH OF EXCAVATION IN STRATA SHOULD BE 1200MM (4'-0")
- FOUNDATION STRATA SHOULD BE APPROVED FROM OUR OFFICE BEFORE CASTING OF P.C.C. OF FOOTING.
- BASIC REFERENCE CODE IS 456-2000
- REINFORCEMENT STEEL $F_e=500$ N/mm & FOR MILD STEEL $F_y=250$ N/mm.
- CONCRETE MIX M 25 (AS PER MIX DESIGN) AS PER IS 456-2000
- ALL COVERS ARE CLEAR COVERS (i.e. TO LINKS/STIRRUPS)
- FOR CANTILEVER BEAMS TOP REINFORCEMENT TO BE ANCHORED BEHIND FOR $60 \times D$ OR SPAN OF CANTILEVER WHICHEVER IS GREATER.
- LAPS FOR SLABS & BEAMS= $60 \times d$ & FOR COLUMNS. = $45 \times d$, D =DIA. OF BAR. LAPPING SHOULD BE STAGGERED AND NOT MORE THAN 50% BARS SHOULD BE LAPPED AT ANY GIVEN SECTION
- ALL COLUMNS IN THE FRAME SHOULD BE TIED IN BOTH DIRECTION BY BEAMS AT ALL FLOORS IF THE HEIGHT OF THE COLUMN IS WITHIN THE ALLOWABLE LIMIT
- IF THE COLUMN SIZE IS REDUCING AT ANY LEVEL THEN IT IS NECESSARY TO PROVIDE TIE BEAM IN BOTH DIRECTIONS
- IF FOOTINGS ARE OVERLAPPING THEN INFORM THE SAME TO OUR OFFICE AND GET THE REVISED DETAILS.
- DO NOT CAST ANY R.C.C. MEMBER WITHOUT GETTING OUR WRITTEN APPROVAL
- DESHUTTERING PERIOD SHOULD NOT BE LESS THAN SPECIFIED BELOW:

MEMBER TYPE	DESHUTTERING PERIOD
VERTICAL FACES OF COLUMNS, BEAMS AND WALLS	24 HOURS
SLAB SPANNING UPTO 3.5M	7 DAYS
SLAB SPANNING OVER 3.5M	14 DAYS
BEAMS	21 DAYS

- BEFORE DESHUTTERING CARE SHOULD BE TAKEN TO ASCERTAIN THAN FULL STRENGTH OF CONCRETE IS GAINED AS MENTIONED IN THE DRAWING (i.e. GRADE OF CONCRETE)
- FOR BEAMS HAVING 200MM (8")/230MM (9") WIDTH PROVIDED THREE BARS IN ANY ONE LAYER
- FIRST STIRRUP IN BEAM SHOULD START FROM ITS FACES OF SUPPORT (i.e. FROM FACE OF COLUMN OR BEAM)
- PROVIDE LINKS FOR COLUMNS IN COLUMN AND BEAM JUNCTION 8ϕ 100MM C/C COMPULSORY.
- ALL STRUCTURAL CONCRETE SHALL BE WEIGHT BATCHED, MACHINE MIXED AND MECHANICALLY VIBRATED AND OF THE SPECIFIED GRADE
- OUR RESPONSIBILITY SHALL REMAIN LIMITED TO SAFE AND SOUND STRUCTURAL DESIGN.
- WHILE WORKING ON SITE ABUTTING TO THE ADJACENT BUILDING SHALL BE DONE PROPERLY BY CONTRACTOR & FOR ANY DAMAGE DUE TO THE SAME WE SHALL NOT BE HELD RESPONSIBLE.
- IF IN DOUBT, "ASK" DO NOT INTERPRETE.
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PROJECT : PROPOSED CONSTRUCTION OF (28MX15M=420SQ.M.)GODOWN FOR SAI DISHA FARMER PRODUCER COMPANY LIMITED IN GAT NO. 164/2/1 AT POST PIMPALWADI, TAL: RAHATA, DIST:AHMEDNAGAR,(M.S.)UNDER HON.BALASAHEB THACKERAY AGRIBUSINESS & RURAL TRANSFORMATION (SMART)PROJECT.

CLIENT : SAI DISHA FARMER PRODUCER COMPANY LIMITED

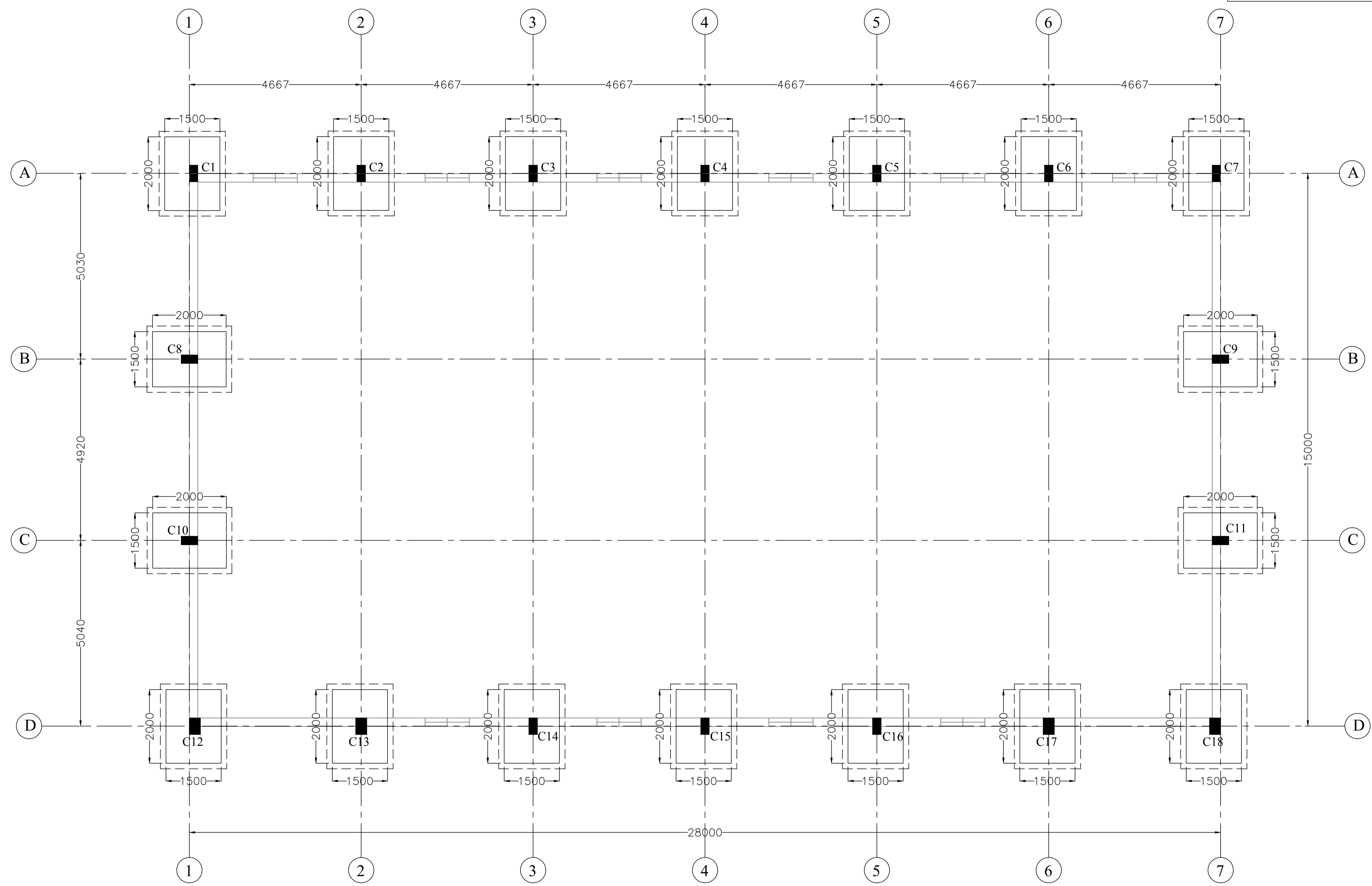
STRUCTURAL CONSULTANT : SAI INFICON CONSULTANTS

DETAILS OF : S1-COLUMNS & FOOTINGS LAYOUT R1

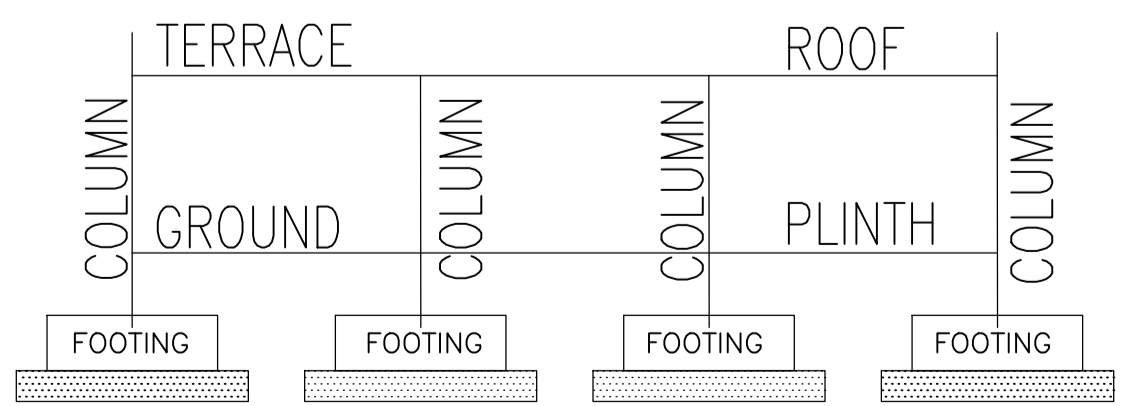
DGN BY : GAGAN DWG NO : 1348

CHD BY : GAGAN DATE : 30.10.2023

GAGAN M. GIRME,
B.E. (Civil), M.E. (Structure),
A.M.I.E., Ch. Engg. No.-AM 1782331
Mobile-+91-9604076050



COLUMN & FOOTINGS LAYOUT



KEY ELEVATION



MIN BEND IN STIRRUP

NOTES:-

- USE CONCRETE M-25 GRADE AND STEEL FE-500
- SBC IS CONSIDERED 10 T/SQ.M.
- COLUMNS & FOOTINGS ARE DESIGNED GROUND FLR. ONLY.



SCHEDULE OF COLUMNS AND FOOTINGS

SHEET NO:03/08

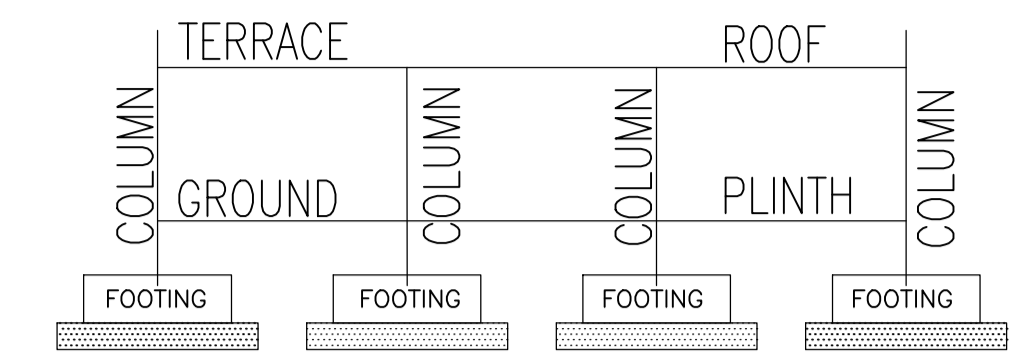
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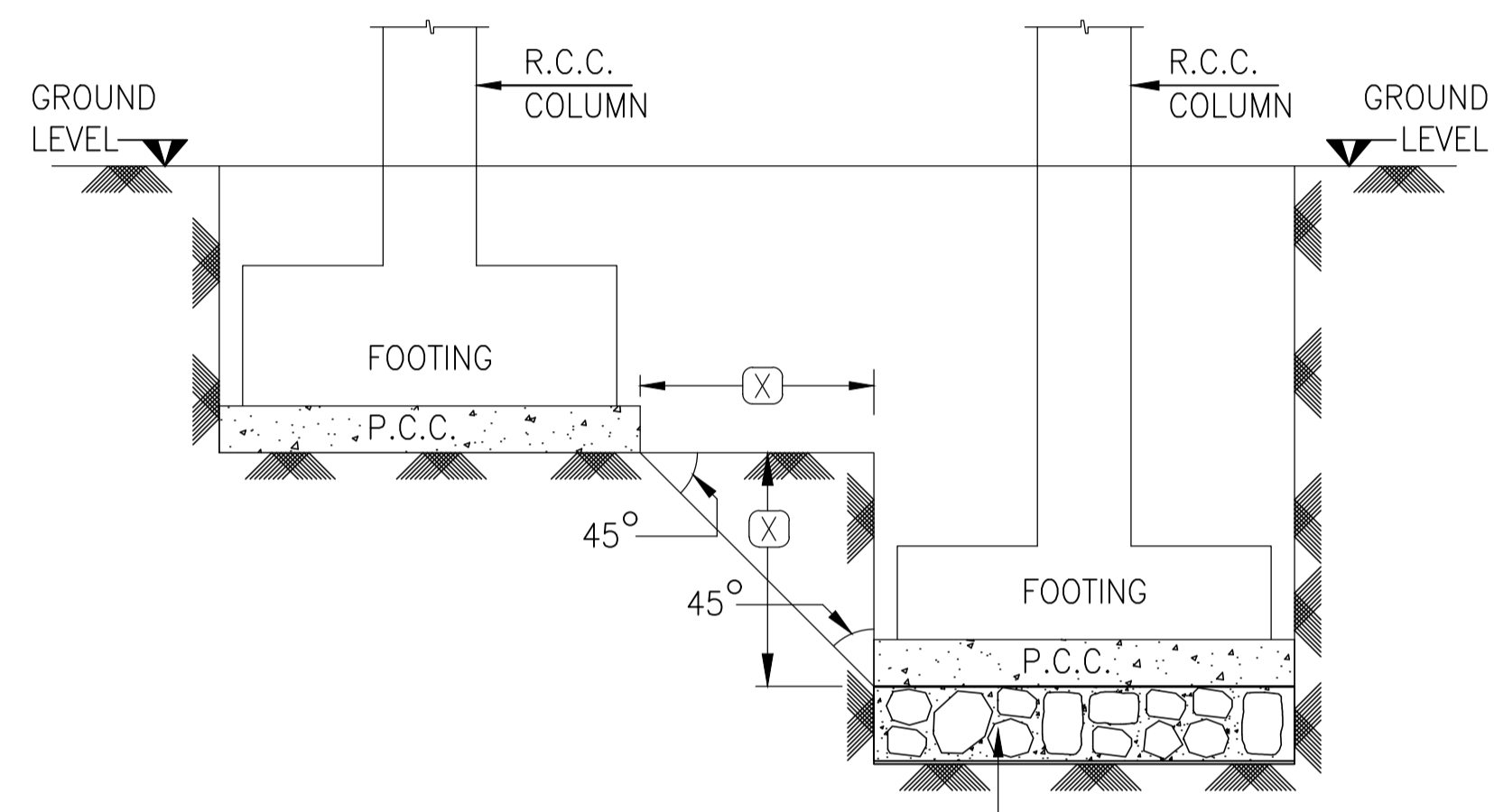
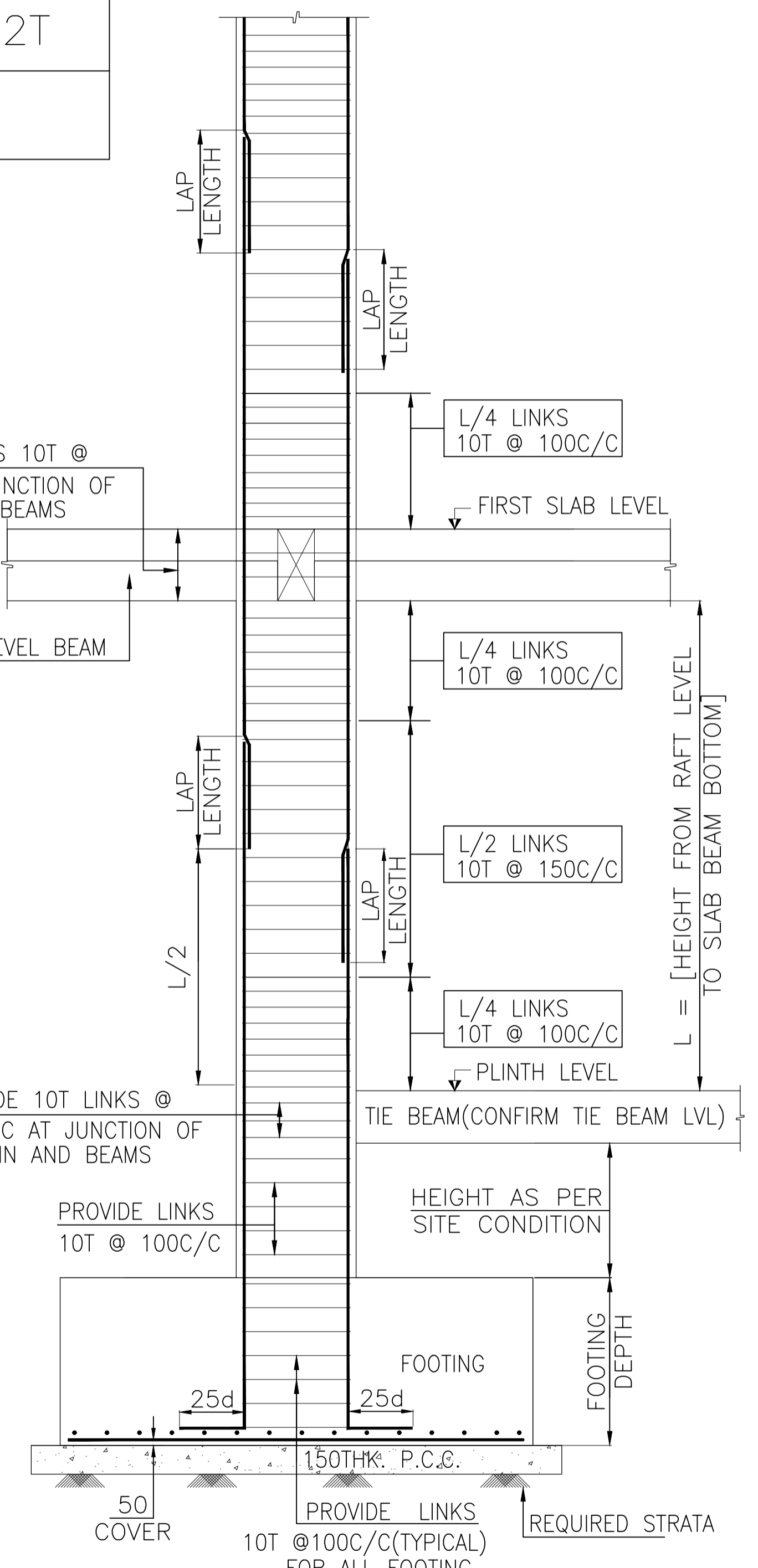
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COLUMNS	40	40	45
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- DESHUTTERING PERIOD SHOULD NOT BE LESS THAN SPECIFIED BELOW:

COLUMN MKD.	FOOTING			COLUMN	
	SIZE	D	FOOTING REINF BOTH WAYS	SIZE	MAIN BARS
C1,C2,C3,C4,C5,C6, C7,C8,C9,C10,C11, C14,C15,C16	1500 X 2000	530	10T @ 150 C/C	230X450	10-12T
C12,C13,C17,C18	1500 X 2000	530	10T @ 150 C/C	300X450	10-12T

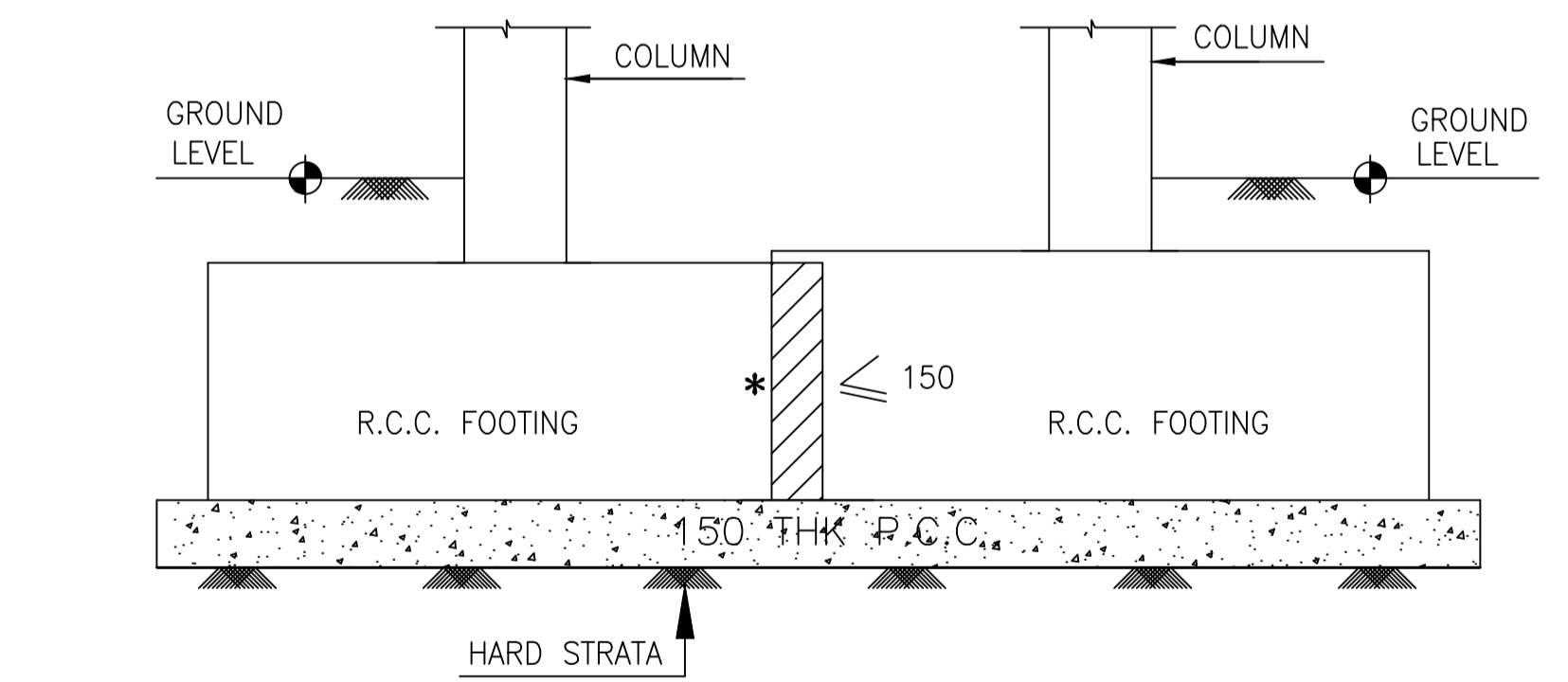
PROVIDE 8T @ 100/150 C/C LINKS AS PER ARRANGEMENT



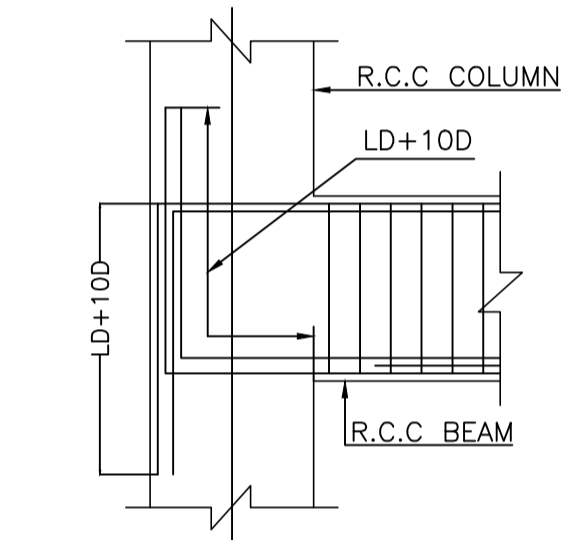
KEY ELEVATION



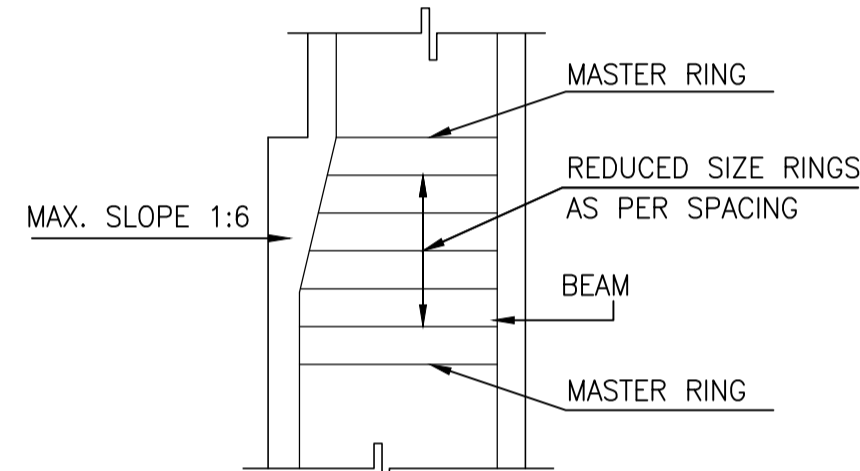
DETAIL TO BE FOLLOWED WHEN TWO ADJACENT FOOTINGS ARE AT DIFFERENT LEVELS



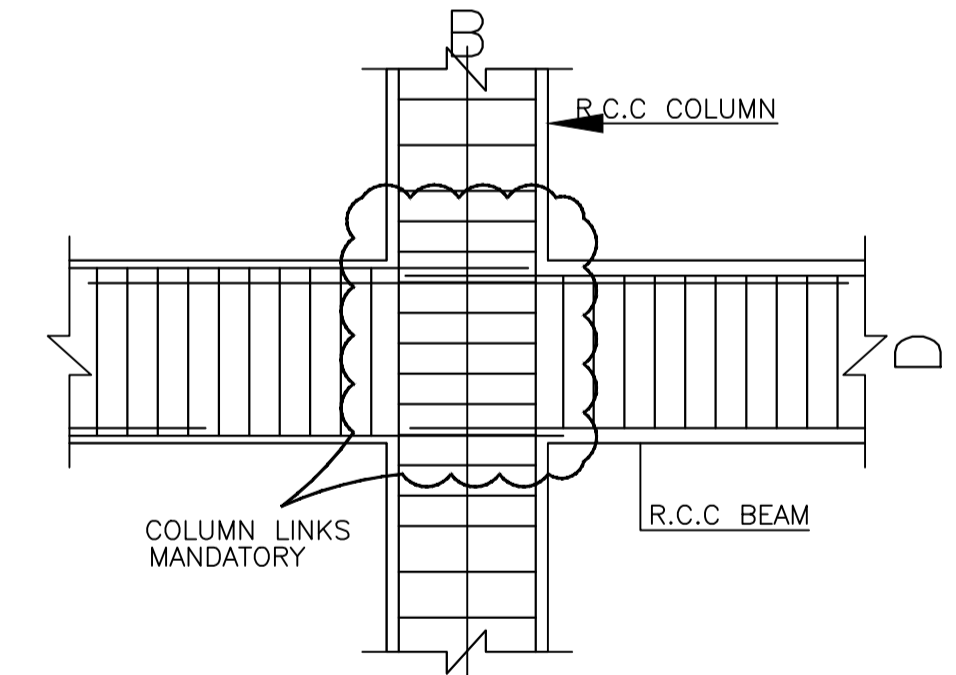
TYP. SECTION SHOWING MIXING OF ADJACENT FOOTINGS WHEN TWO ADJACENT FOOTINGS ARE VERY NEAR OR OVERLAPPING BY LESS THAN OR EQUAL TO 150 THEN CONCRETING OF BOTH ADJACENT FOOTINGS SHOULD BE DONE SIMULTANEOUSLY



DETAILS -- 'A'



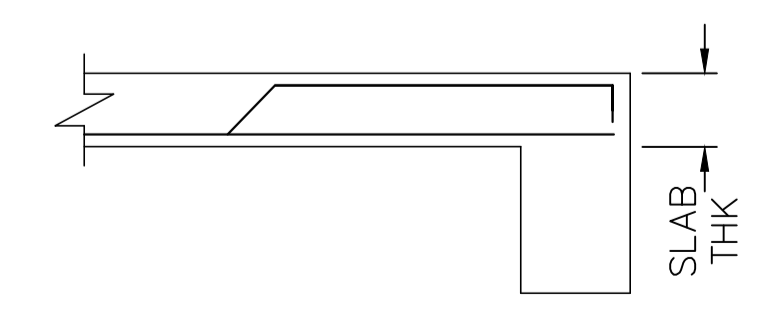
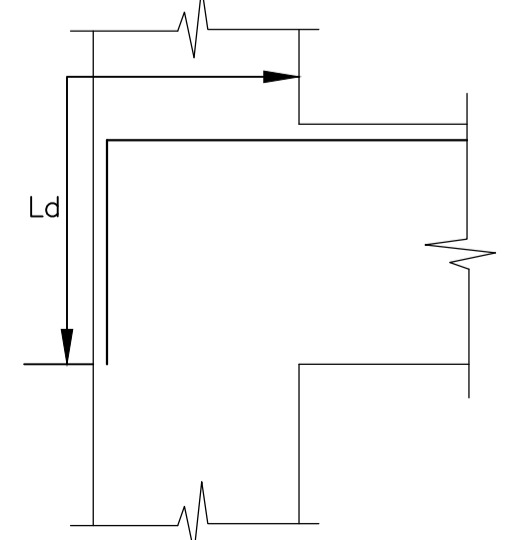
AT ANY LEVEL WHERE COLUMN SIZE GETS REDUCED IN EITHER DIMENSION, BEAM IS ABSOLUTELY ESSENTIAL.



COLUMN LINKS @ JUNCTION

ANCHORAGE FOR END COLUMNS

BAR SIZE	Ld (MM)
8T	400
10T	500
12T	600
16T	800
20T	1000



NECESSARY FOR ALL SLABS AT DISCONTINUEOUS EDGE



MIN BEND IN STIRRUP

COLUMN LINKS REQUIREMENT

NOTES:-

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- SBC IS CONSIDERED 10 T/SQ.M.
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MEMBER TYPE	DESHUTTERING PERIOD
VERTICAL FACES OF COLUMNS, BEAMS AND WALLS	24 HOURS
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SLAB SPANNING OVER 3.5M	14 DAYS
BEAMS	21 DAYS

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- ALL STRUCTURAL CONCRETE SHALL BE WEIGHT BATCHED, MACHINE MIXED AND MECHANICALLY VIBRATED AND OF THE SPECIFIED GRADE
- OUR RESPONSIBILITY SHALL REMAIN LIMITED TO SAFE AND SOUND STRUCTURAL DESIGN.
- WHILE WORKING ON SITE ABUTTING TO THE ADJACENT BUILDING SHALL BE DONE PROPERLY BY CONTRACTOR & FOR ANY DAMAGE DUE TO THE SAME WE SHALL NOT BE HELD RESPONSIBLE.
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PROJECT : PROPOSED CONSTRUCTION OF (28MX15M=420SQ.M.)GODOWN FOR SAI DISHA FARMER PRODUCER COMPANY LIMITED IN GAT NO. 164/2/1 AT POST PIMPALWADI, TAL: RAHATA, DIST: AHMEDNAGAR, (M.S.) UNDER HON. BALASAHEB THACKERAY AGRIBUSINESS & RURAL TRANSFORMATION (SMART) PROJECT.

CLIENT : SAI DISHA FARMER PRODUCER COMPANY LIMITED

STRUCTURAL CONSULTANT : SAI INFICON CONSULTANTS

DETAILS OF : S1-COLUMNS & FOOTINGS LAYOUT R1

DGN BY : GAGAN DWG NO : 1348

CHD BY : GAGAN DATE : 30.10.2023

GAGAN M. GIRME, B.E. (Civil), M.E. (Structure), A.M.I.E., Ch. Engg. No.-AM 1782331 Mobile-+91-9604076050



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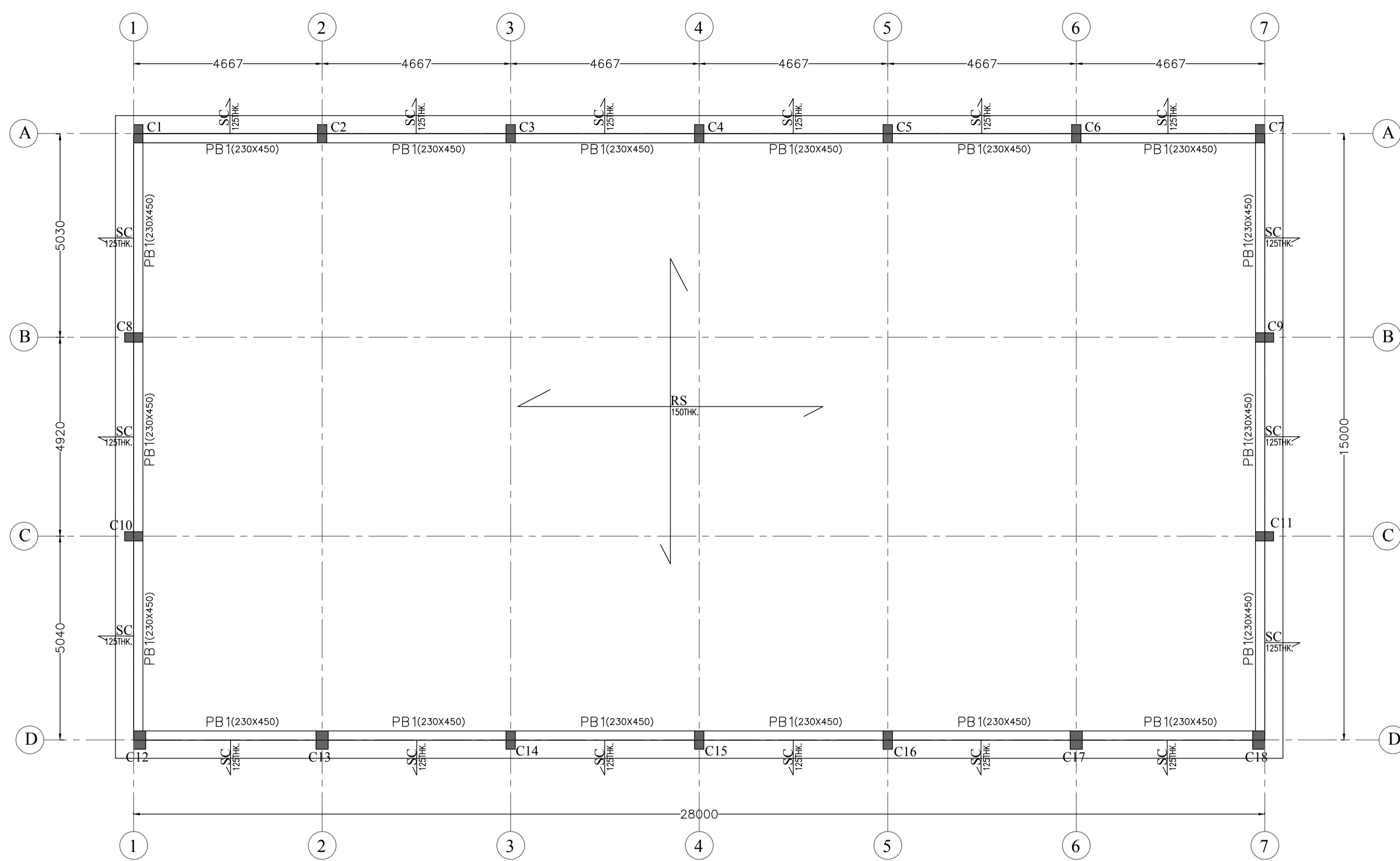
STRUCTURAL CONSULTANT : SAI INFICON CONSULTANTS

DETAILS OF : S2-PLINTH & TIE BEAMS LAYOUT

DGN BY : GAGAN DWG NO : 1348

CHD BY : GAGAN DATE : 31.10.2023

GAGAN M. GIRME,
B.E. (Civil), M.E. (Structure),
A.M.I.E., Ch. Engg. No.-AM 1782331
Mobile- +91-9604076050



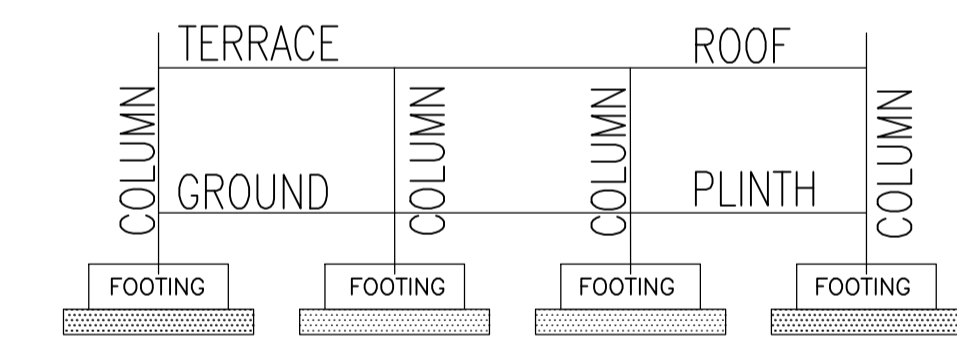
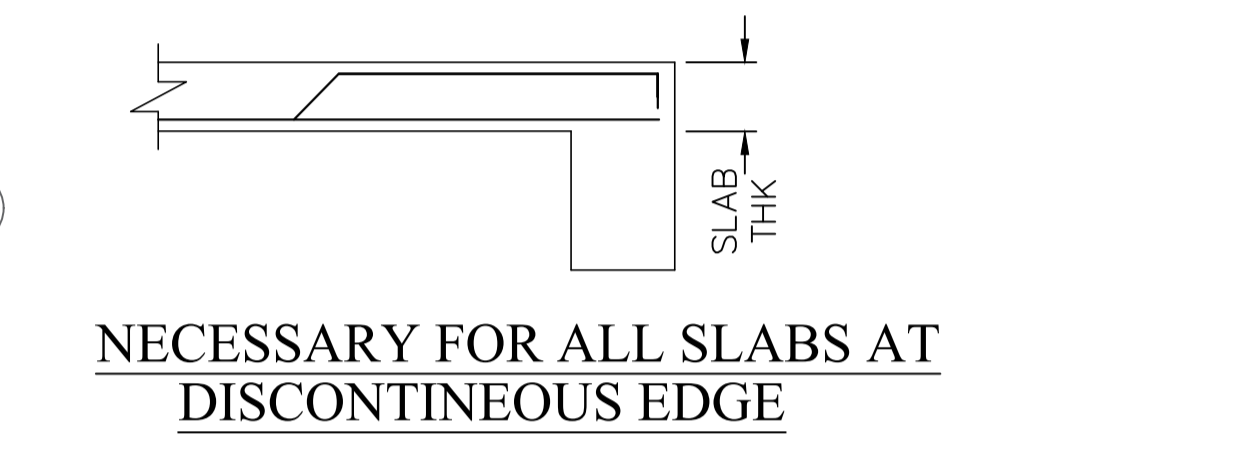
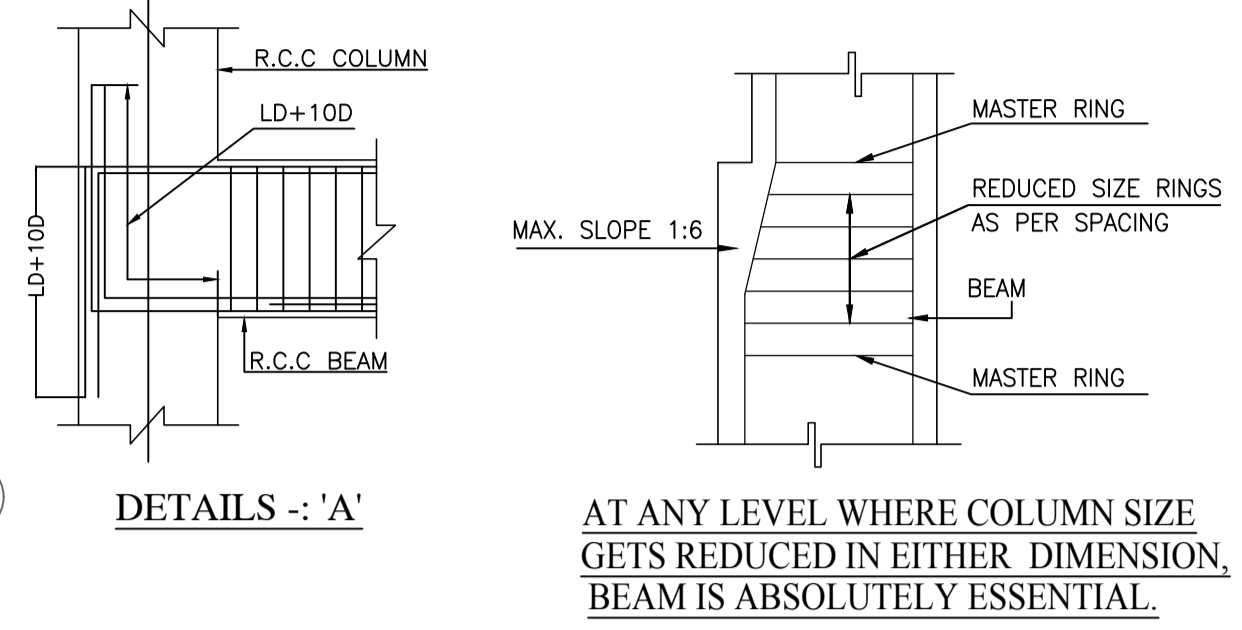
PLINTH & TIE BEAMS LAYOUT

SCHEDULE OF BEAMS:-

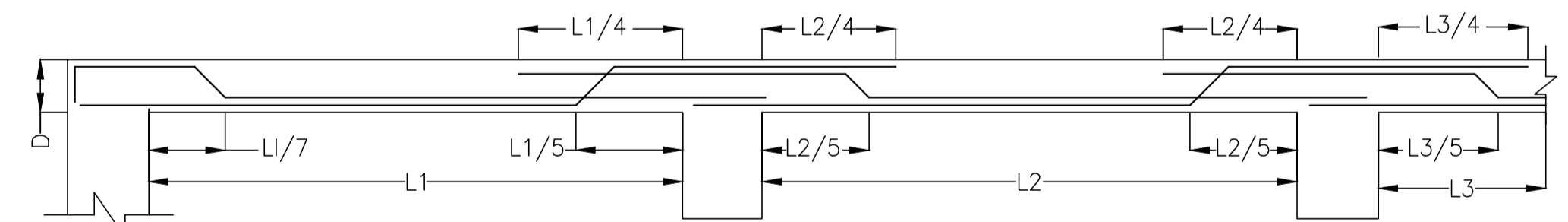
BEAM MKD.	SIZE		REINF.DETAILS AT BOT.		REINF.DETAILS AT TOP		SHEAR STIRRUPS			REMARKS	
	B	D	FULL SPAN	CURTAILED AT SPAN L/7	TOP ANCHOR	LEFT	RIGHT	LEFT	MIDSPAN		RIGHT
PB1	230	450	3-12T	----	2-10T	2-12T	2-12T	8T @ 100 C/C	8T @ 200 C/C	8T @ 100 C/C	PLINTH BEAMS

SLAB SCHEDULE :-

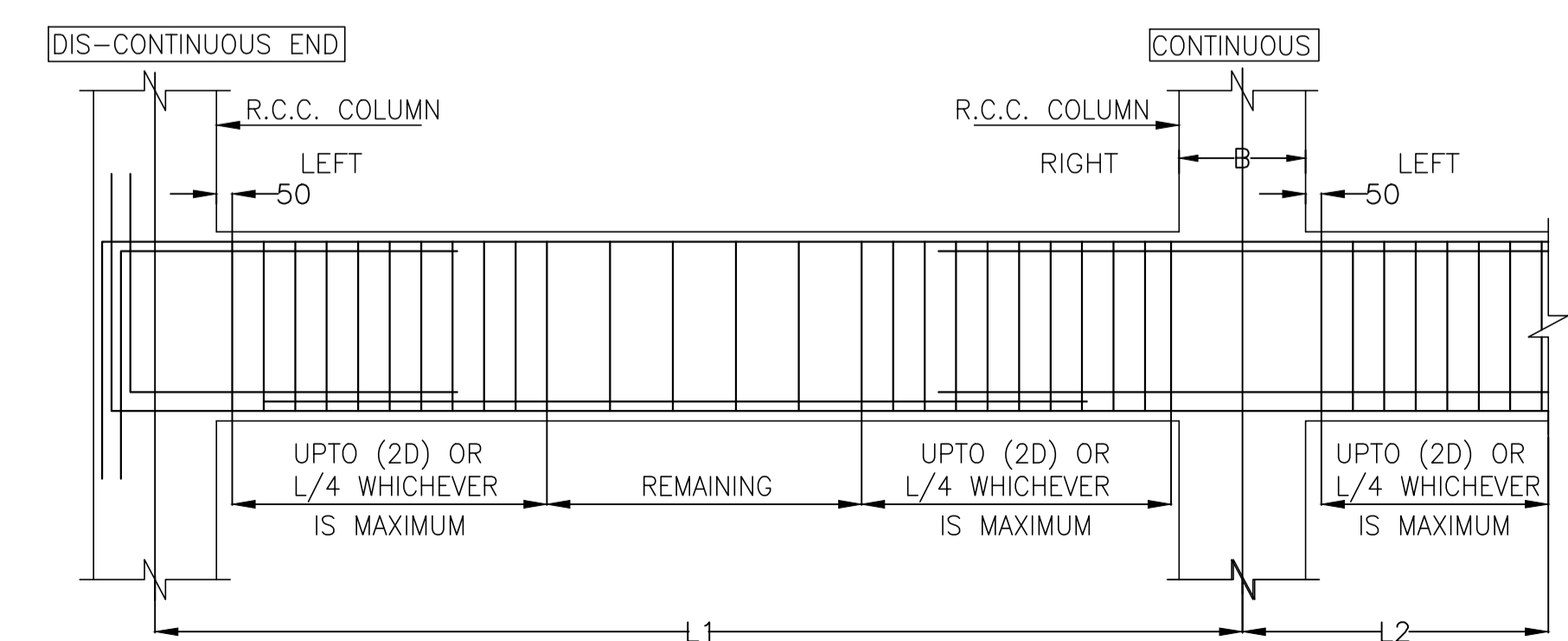
SLAB NOS.	SLAB THK.	MAIN REINFORCEMENT		DISTRIBUTION REINFORCEMENT	SLAB TYPE	REMARK
		ALONG SHORT SPAN	ALONG LONG SPAN			
RS	150	8T @ 150 C/C	8T @ 150 C/C	----	TWO WAY SLAB	RAFT SLAB
SC	125	TOP:8T @ 150 C/C BOTT.:8T @ 300 C/C	----	DIST.:8T @ 150 C/C DIST.:8T @ 150 C/C	CANTILEVER SLAB	----



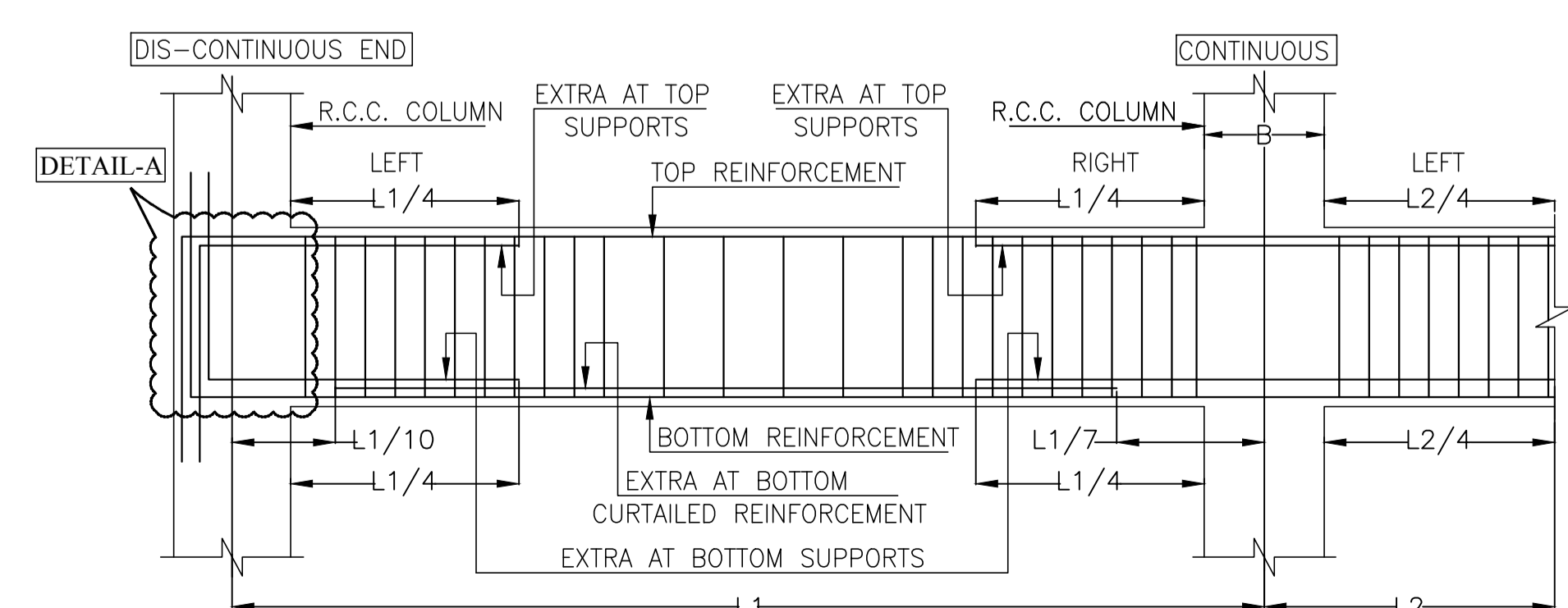
KEY ELEVATION



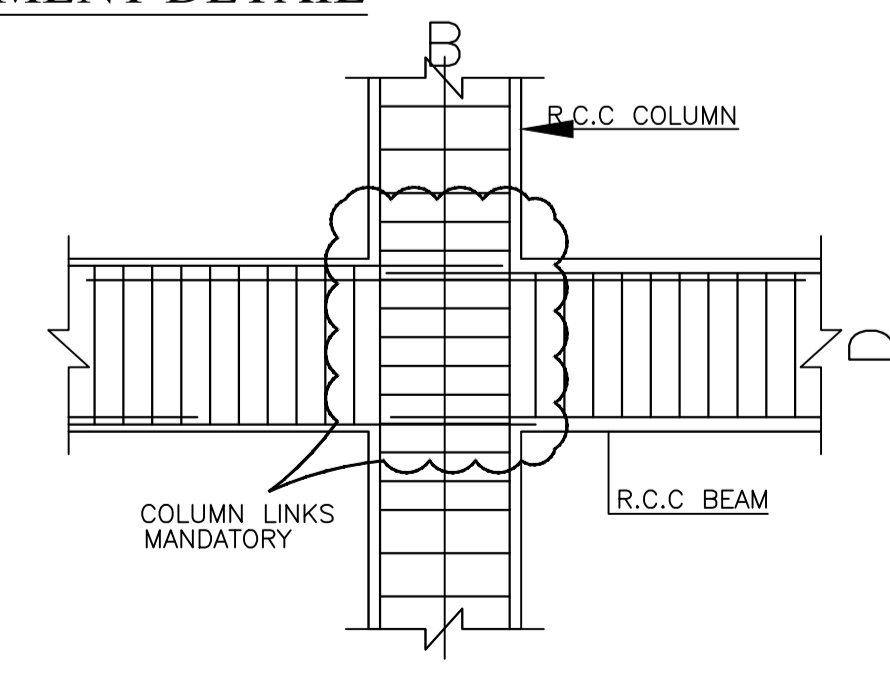
TYPICAL SLAB REINFORCEMENT DETAIL



TYPICAL DETAILS OF BEAM STIRRUPS SPACING



TYPICAL DETAILS OF BEAM CURTAILMENT REINFORCEMENT



COLUMN LINKS @ JUNCTION

NOTES:-
1) USE CONCRETE M-25 GRADE AND STEEL FE-500

General Notes :

- ORIENTATION OF COLUMN AS PER ARCHITECTURAL CENTER LINE PLAN IF THERE IS ANY DIFFERENCE IN COLUMN ORIENTATION IN R.C.C DRAWING AND CENTER LINE PLAN BRING IT TO THE NOTICE OF STRUCTURAL CONSULTANT BEFORE CASTING OF FOOTING.
- NOMINAL COVERS FOR REINFORCEMENT:

DESCRIPTION /EXPOSURE	MILD	MODERATE	SEVERE
FOOTING	50	50	50
COLUMNS	40	40	45
BEAMS	30	30	45
SLABS	20	25	40
R.C.C WALLS (LIFT WALL/SHEAR WALL)	40	40	45
- FOUNDATION UPTO SOIL STRATA, MIN. DEPTH OF EXCAVATION IN STRATA SHOULD BE 1200MM (4'-0")
- FOUNDATION STRATA SHOULD BE APPROVED FROM OUR OFFICE BEFORE CASTING OF P.C.C. OF FOOTING.
- BASIC REFERENCE CODE IS 456-2000
- REINFORCEMENT STEEL $F_e=500$ N/mm & FOR MILD STEEL $F_y=250$ N/mm.
- CONCRETE MIX M 25 (AS PER MIX DESIGN) AS PER IS 456-2000
- ALL COVERS ARE CLEAR COVERS (i.e. TO LINKS/STIRRUPS)
- FOR CANTILEVER BEAMS TOP REINFORCEMENT TO BE ANCHORED BEHIND FOR $60 \times D$ OR SPAN OF CANTILEVER WHICHEVER IS GREATER.
- LAPS FOR SLABS & BEAMS= $60 \times d$ & FOR COLUMNS. = $45 \times d$, D =DIA. OF BAR. LAPPING SHOULD BE STAGGERED AND NOT MORE THAN 50% BARS SHOULD BE LAPPED AT ANY GIVEN SECTION
- ALL COLUMNS IN THE FRAME SHOULD BE TIED IN BOTH DIRECTION BY BEAMS AT ALL FLOORS IF THE HEIGHT OF THE COLUMN IS WITHIN THE ALLOWABLE LIMIT
- IF THE COLUMN SIZE IS REDUCING AT ANY LEVEL THEN IT IS NECESSARY TO PROVIDE TIE BEAM IN BOTH DIRECTIONS
- IF FOOTINGS ARE OVERLAPPING THEN INFORM THE SAME TO OUR OFFICE AND GET THE REVISED DETAILS.
- DO NOT CAST ANY R.C.C. MEMBER WITHOUT GETTING OUR WRITTEN APPROVAL
- DESHUTTERING PERIOD SHOULD NOT BE LESS THAN SPECIFIED BELOW:

MEMBER TYPE	DESHUTTERING PERIOD
VERTICAL FACES OF COLUMNS, BEAMS AND WALLS	24 HOURS
SLAB SPANNING UPTO 3.5M	7 DAYS
SLAB SPANNING OVER 3.5M	14 DAYS
BEAMS	21 DAYS

- BEFORE DESHUTTERING CARE SHOULD BE TAKEN TO ASCERTAIN THAT FULL STRENGTH OF CONCRETE IS GAINED AS MENTIONED IN THE DRAWING (i.e. GRADE OF CONCRETE)
- FOR BEAMS HAVING 200MM (8")/230MM (9") WIDTH PROVIDED THREE BARS IN ANY ONE LAYER
- FIRST STIRRUP IN BEAM SHOULD START FROM ITS FACES OF SUPPORT (i.e. FROM FACE OF COLUMN OR BEAM)
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- ALL STRUCTURAL CONCRETE SHALL BE WEIGHT BATCHED, MACHINE MIXED AND MECHANICALLY VIBRATED AND OF THE SPECIFIED GRADE
- OUR RESPONSIBILITY SHALL REMAIN LIMITED TO SAFE AND SOUND STRUCTURAL DESIGN.
- WHILE WORKING ON SITE ABUTTING TO THE ADJACENT BUILDING SHALL BE DONE PROPERLY BY CONTRACTOR & FOR ANY DAMAGE DUE TO THE SAME WE SHALL NOT BE HELD RESPONSIBLE.
- IF IN DOUBT, "ASK" DO NOT INTERPRETE.
- DO NOT SCALE THE DRAWING.
- ANY DISCREPANCY BETWEEN OUR DRAWING AND ARCHITECTURAL DRAWING SHOULD BE BROUGHT TO OUR OFFICE BEFORE EXECUTION OF WORK OTHERWISE WE WILL NOT BE RESPONSIBLE FOR THE SAME
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- FORM WORK OF CANTILEVER, CHAJJA, CANOPY etc. SHOULD NOT BE REMOVED WITHOUT OUR PERMISSION. WE SHALL NOT REMAIN RESPONSIBLE FOR:CONCRETE MIX, SHUTTERING, SUBSTANDARD CONSTRUCTION MATERIAL, WORKMANSHIP AND FAULTY CONSTRUCTION PROCEDURE.
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- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH RELEVANT DRAWINGS.
- FOR BEAMS IF EXTRA END SUPPORT BAR IS NOT MENTIONED PLEASE PROVIDE 1-12T EXTRA ON TOP OF END SUPPORT
- PROVIDE 150 END HOOKS MINI. [150] FOR SLABS AND BEAMS REINFORCEMENT COMPULSORY
- PLEASE CHECK BEAM FACES WITH RESPECT TO COLUMN FACES AS PER ARCHITECTURAL WORKING DRAWINGS.
- FOR BEAMS IF THERE IS DIFFERENT NUMBER OF BARS OR DIFFERENT DIAMETERS OF BAR ARE GIVEN AT ANY SUPPORT THEN USE HIGHER NUMBER AND HIGHER DIAMETER OF BAR AT THAT PARTICULAR SUPPORT
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PROJECT : PROPOSED CONSTRUCTION OF (28MX15M=420SQ.M.)GODOWN FOR SAI DISHA FARMER PRODUCER COMPANY LIMITED IN GAT NO. 164/2/1 AT POST PIMPALWADI, TAL: RAHATA, DIST:AHMEDNAGAR,(M.S.)UNDER HON.BALASAHEB THACKERAY AGRIBUSINESS & RURAL TRANSFORMATION (SMART)PROJECT.

CLIENT : SAI DISHA FARMER PRODUCER COMPANY LIMITED

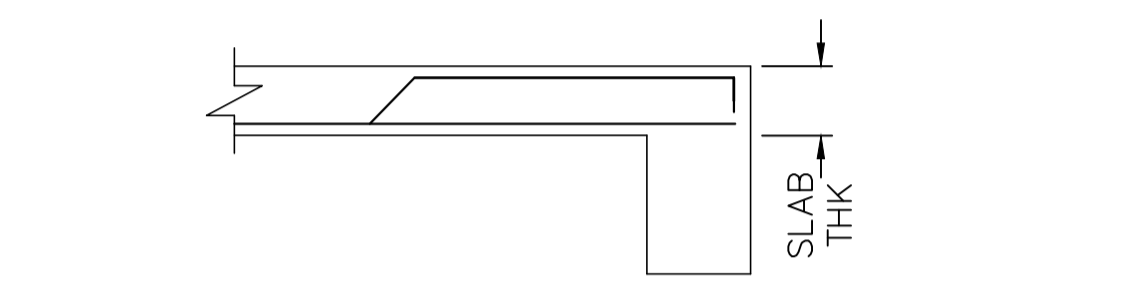
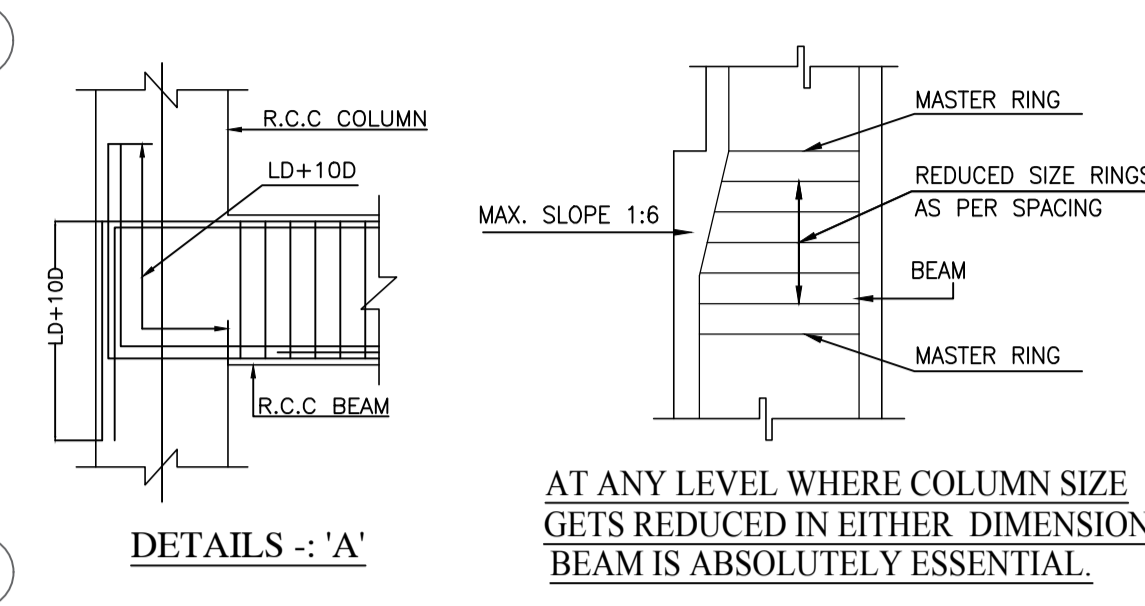
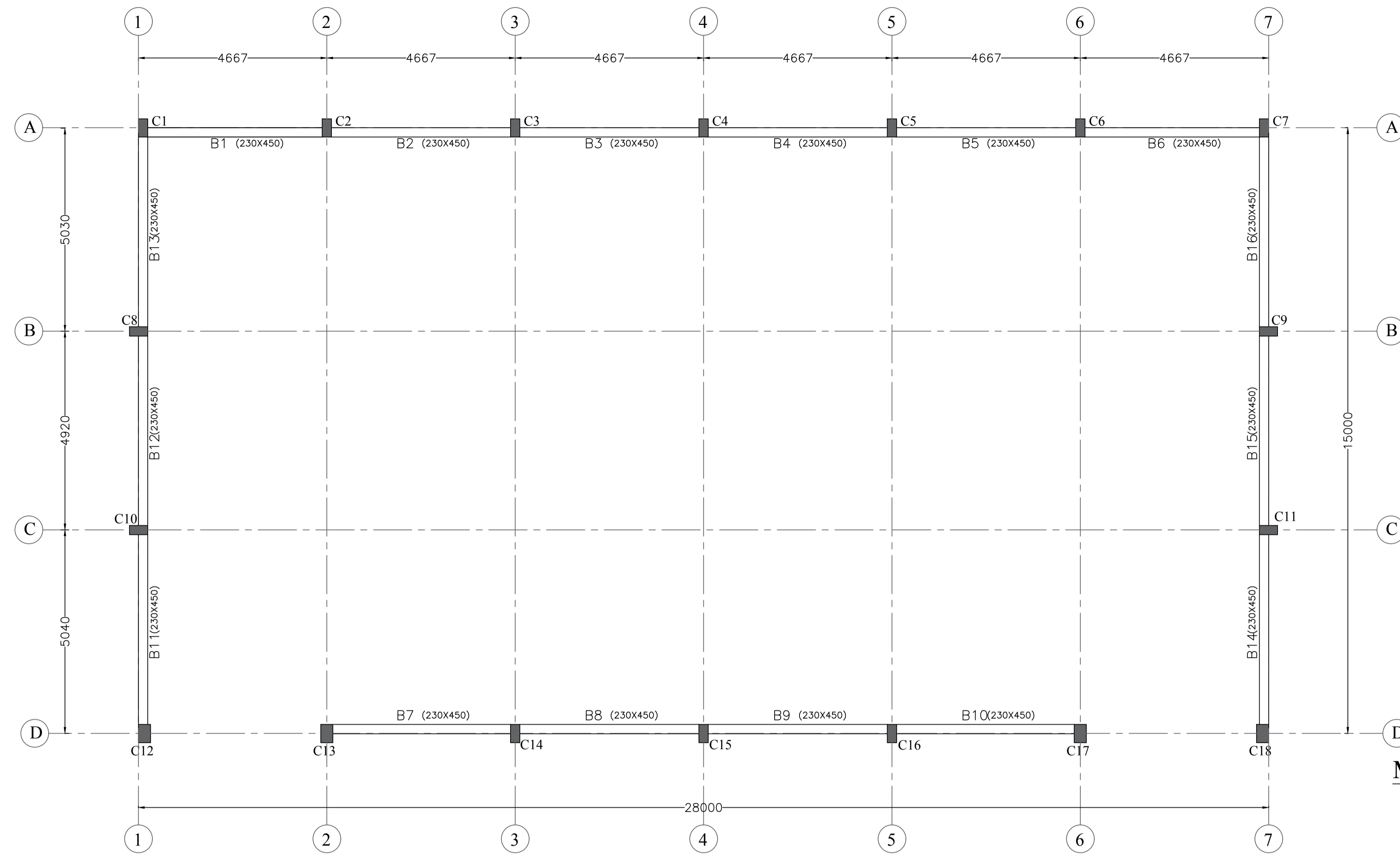
STRUCTURAL CONSULTANT : SAI INFICON CONSULTANTS

DETAILS OF : S3-TIE BEAMS @ 2.5M HT. LAYOUT

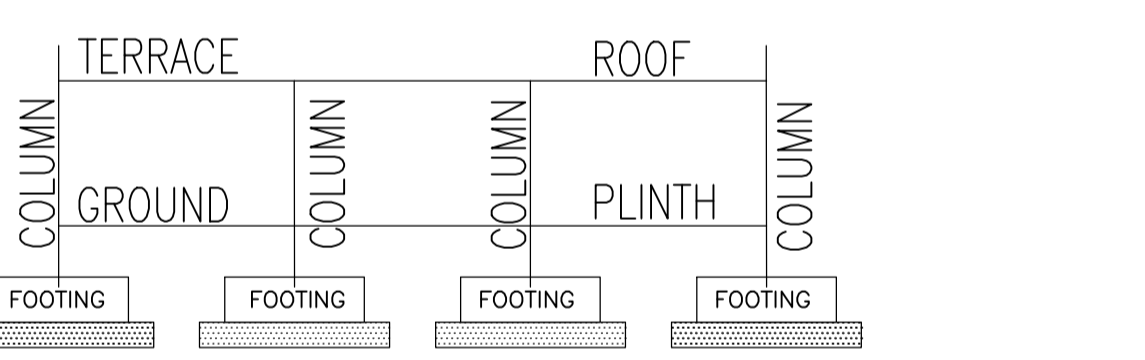
DGN BY : GAGAN DWG NO : 1348

CHD BY : GAGAN DATE : 31.10.2023

GAGAN M. GIRME,
B.E. (Civil), M.E. (Structure),
A.M.I.E., Ch. Engg. No.-AM 1782331
Mobile- +91-9604076050



NECESSARY FOR ALL SLABS AT DISCONTINUOUS EDGE

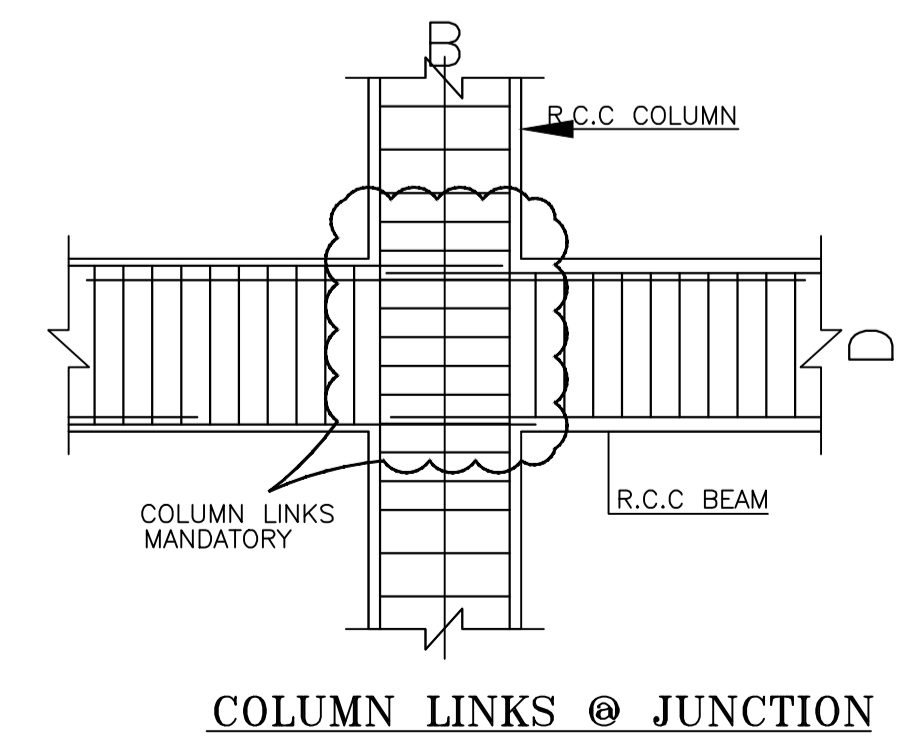
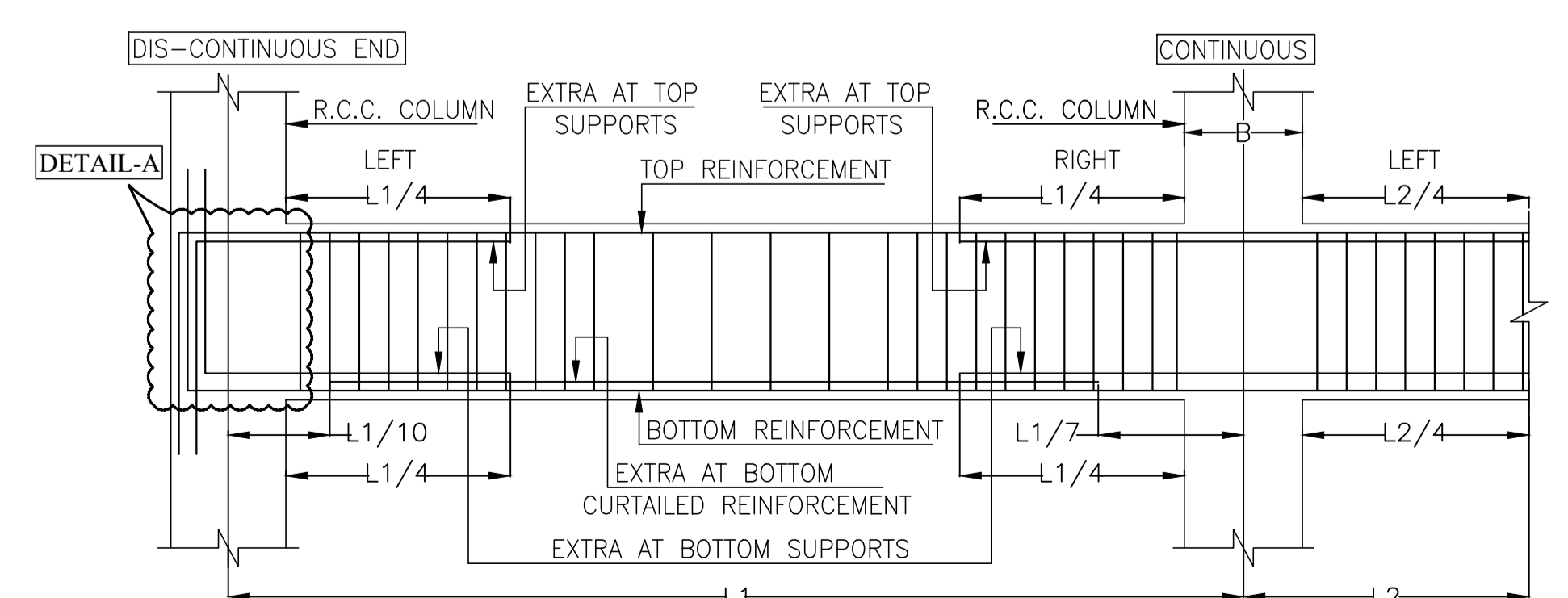
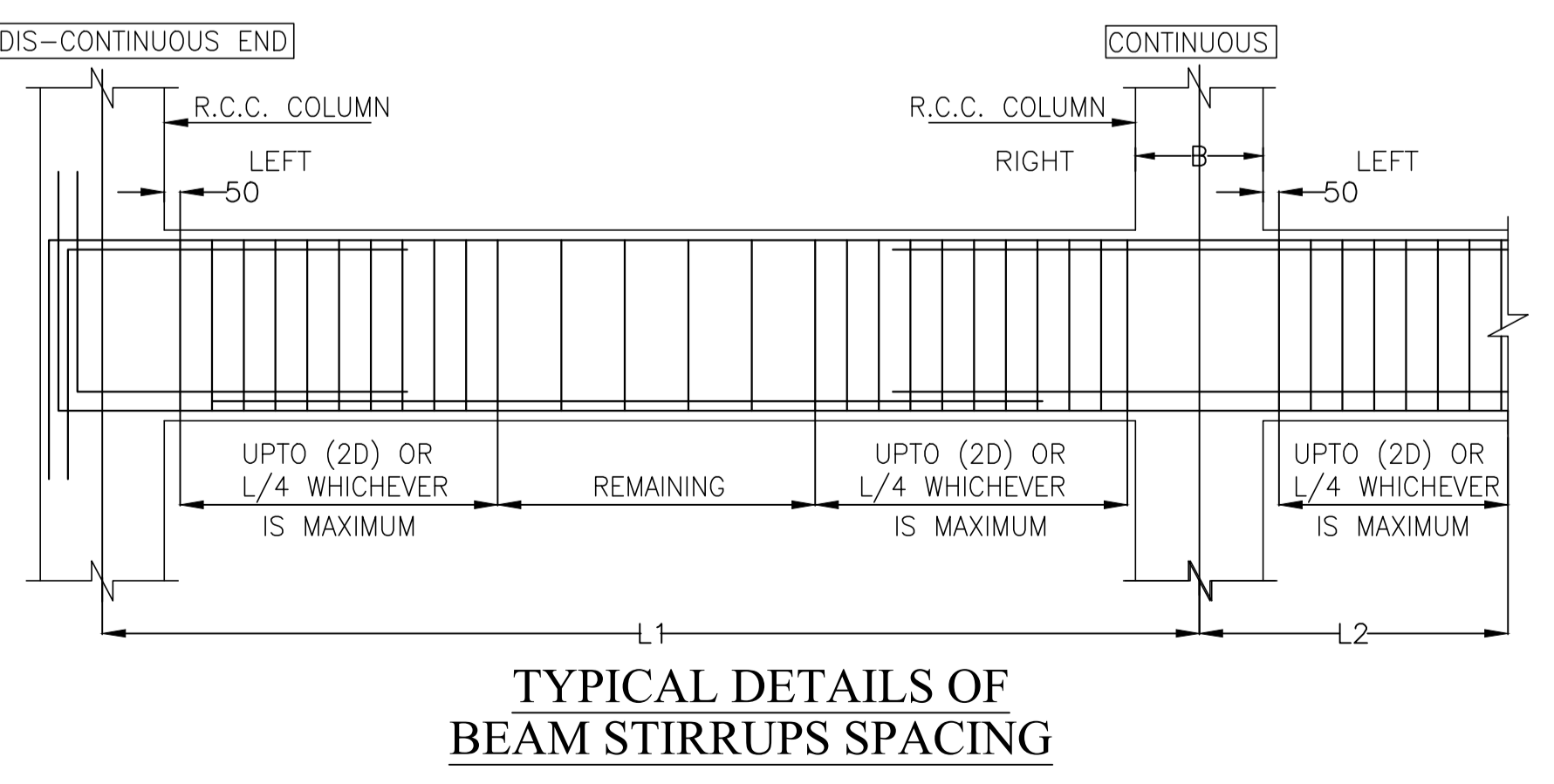


KEY ELEVATION

TIE BEAMS AT 2.5M LVL.

SCHEDULE OF BEAMS:-

BEAM MKD.	SIZE		REINF.DETAILS AT BOT.		REINF.DETAILS AT TOP			SHEAR STIRRUPS			REMARKS
	B	D	FULL SPAN	CURTAILED AT SPAN L/7	TOP ANCHOR	LEFT	RIGHT	LEFT	MIDSPAN	RIGHT	
B1,B2,B3,B4,B5,B6,B7, B8,B9,B10,B11,B12, B13,B14,B15,B16	230	450	3-12T	----	2-10T	2-12T	2-12T	8T @ 100 C/C	8T @ 200 C/C	8T @ 100 C/C	----



NOTES:-
1) USE CONCRETE M-25 GRADE AND STEEL FE-500

General Notes :

- ORIENTATION OF COLUMN AS PER ARCHITECTURAL CENTER LINE PLAN IF THERE IS ANY DIFFERENCE IN COLUMN ORIENTATION IN R.C.C DRAWING AND CENTER LINE PLAN BRING IT TO THE NOTICE OF STRUCTURAL CONSULTANT BEFORE CASTING OF FOOTING.
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DESCRIPTION /EXPOSURE	MILD	MODERATE	SEVERE
FOOTING	50	50	50
COLUMNS	40	40	45
BEAMS	30	30	45
SLABS	20	25	40
R.C.C WALLS (LIFT WALL/SHEAR WALL)	40	40	45
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- FOUNDATION STRATA SHOULD BE APPROVED FROM OUR OFFICE BEFORE CASTING OF P.C.C. OF FOOTING.
- BASIC REFERENCE CODE IS 456-2000
- REINFORCEMENT STEEL $F_e=500$ N/mm² & FOR MILD STEEL $F_y=250$ N/mm².
- CONCRETE MIX M 25 (AS PER MIX DESIGN) AS PER IS 456-2000
- ALL COVERS ARE CLEAR COVERS (i.e. TO LINKS/STIRRUPS)
- FOR CANTILEVER BEAMS TOP REINFORCEMENT TO BE ANCHORED BEHIND FOR 60 X D OR SPAN OF CANTILEVER WHICHEVER IS GREATER.
- LAPS FOR SLABS & BEAMS=60xD & FOR COLUMNS. = 45xD, D=DIA. OF BAR. LAPPING SHOULD BE STAGGERED AND NOT MORE THAN 50% BARS SHOULD BE LAPPED AT ANY GIVEN SECTION
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- FIRST STIRRUP IN BEAM SHOULD START FROM ITS FACES OF SUPPORT (i.e. FROM FACE OF COLUMN OR BEAM)
- PROVIDE LINKS FOR COLUMNS IN COLUMN AND BEAM JUNCTION 8@ 100MM C/C COMPULSORY.
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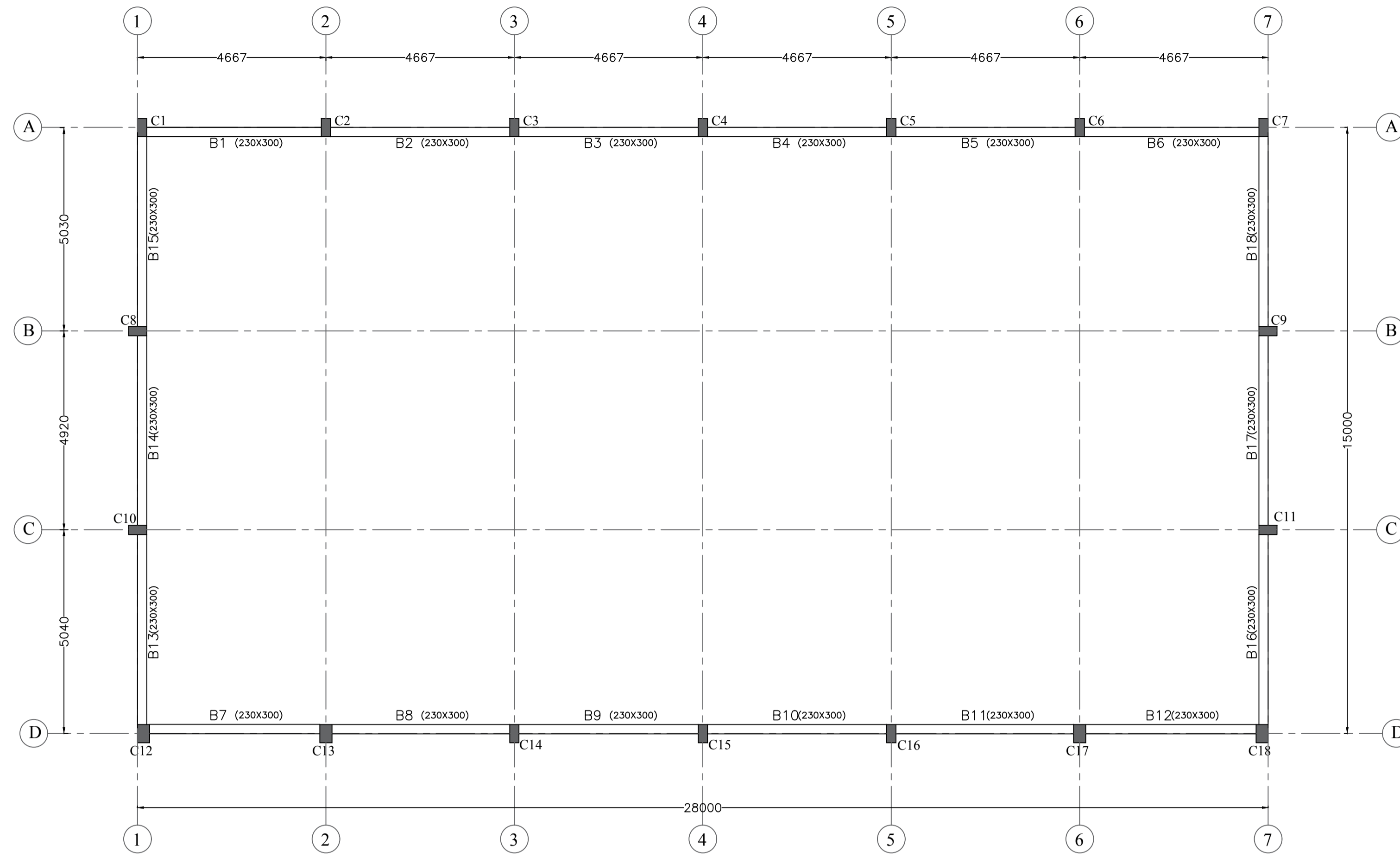
STRUCTURAL CONSULTANT : SAI INFICON CONSULTANTS

DETAILS OF : S4-LINTEL LVL. BEAMS & CHAJJA LAYOUT

DGN BY : GAGAN DWG NO : 1348

CHD BY : GAGAN DATE : 31.10.2023

GAGAN M. GIRME,
B.E. (Civil), M.E. (Structure),
A.M.I.E., Ch. Engg. No.-AM 1782331
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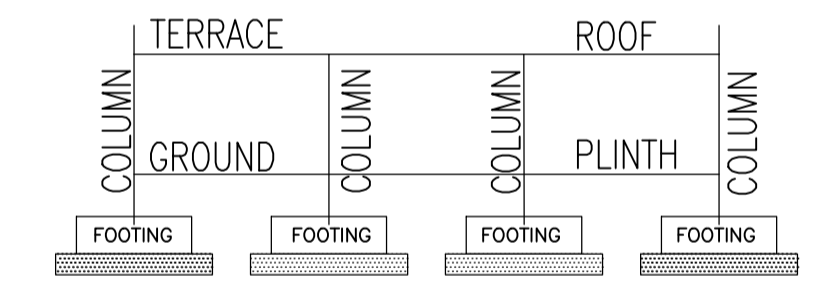
LINTEL LVL. BEAMS & CHAJJA LAYOUT

SCHEDULE OF BEAMS:-

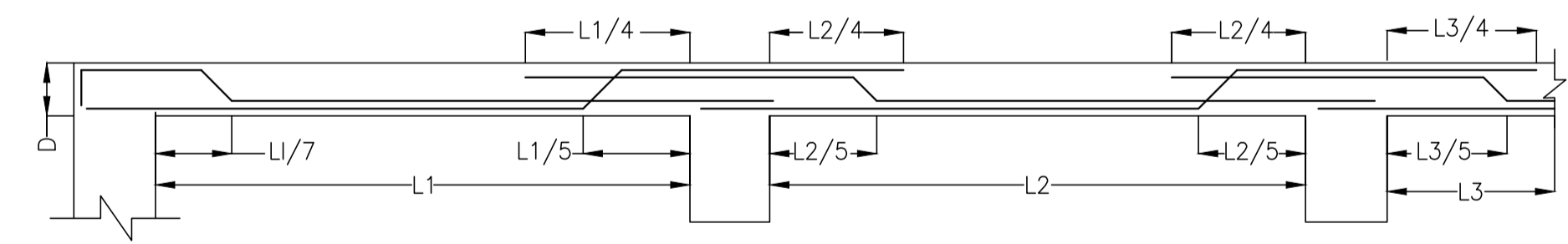
BEAM MKD.	SIZE		REINF.DETAILS AT BOT.		REINF.DETAILS AT TOP			SHEAR STIRRUPS			REMARKS
	B	D	FULL SPAN	CURTAILED AT SPAN L/7	TOP ANCHOR	LEFT	RIGHT	LEFT	MIDSPAN	RIGHT	
B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, B13, B14	230	300	3-12T	----	2-12T	----	----	8T @ 100 C/C	8T @ 200 C/C	8T @ 100 C/C	----

SLAB SCHEDULE :-

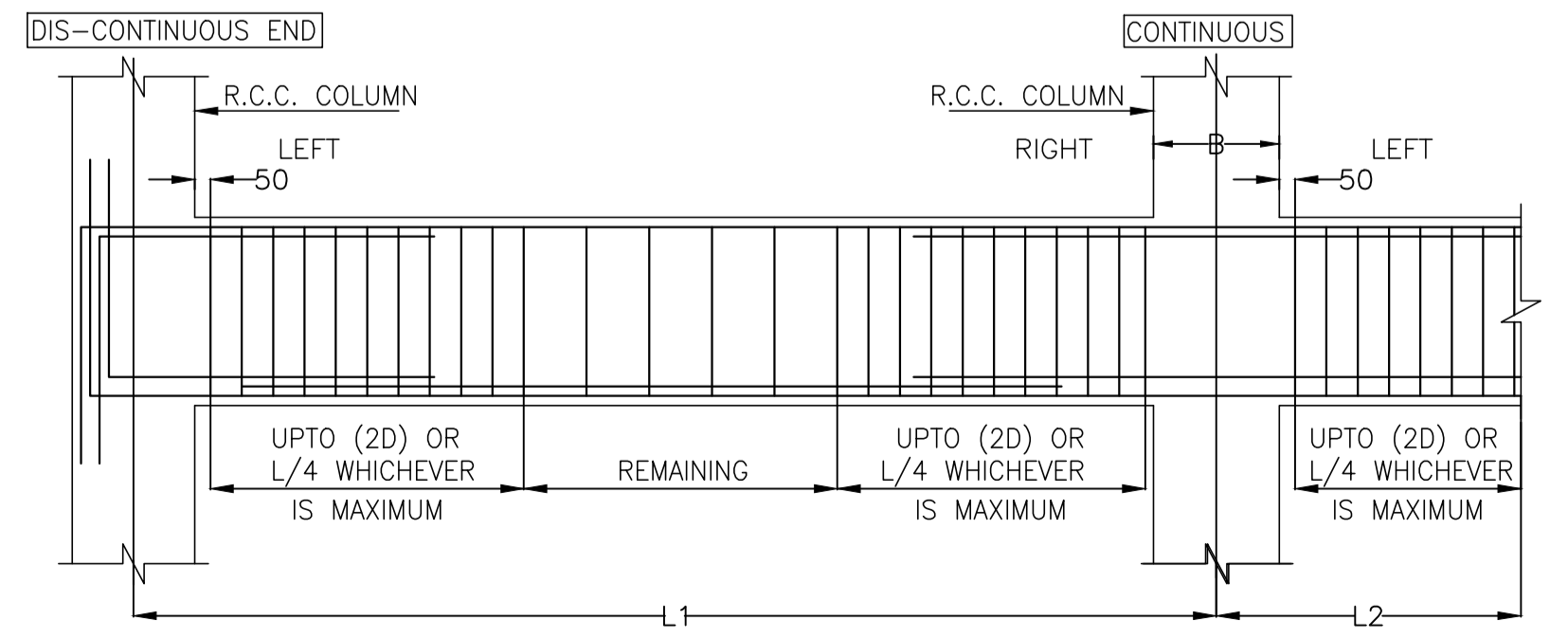
SLAB NOS.	SLAB THK.	MAIN REINFORCEMENT		DISTRIBUTION REINFORCEMENT	SLAB TYPE	REMARK
		ALONG SHORT SPAN	ALONG LONG SPAN			
SC	125	TOP: 8T @ 150 C/C BOT: 8T @ 300 C/C	----	DIST.: 8T @ 150 C/C DIST.: 8T @ 150 C/C	CANTILEVER SLAB	----



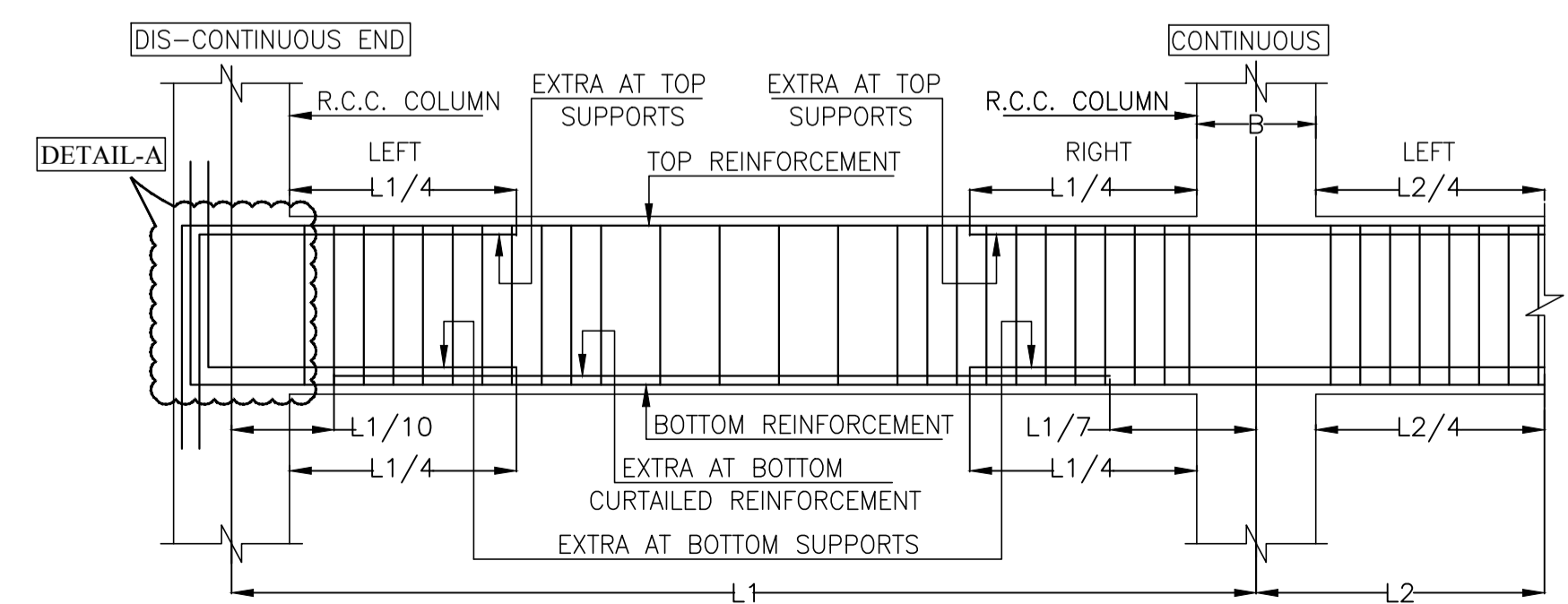
KEY ELEVATION



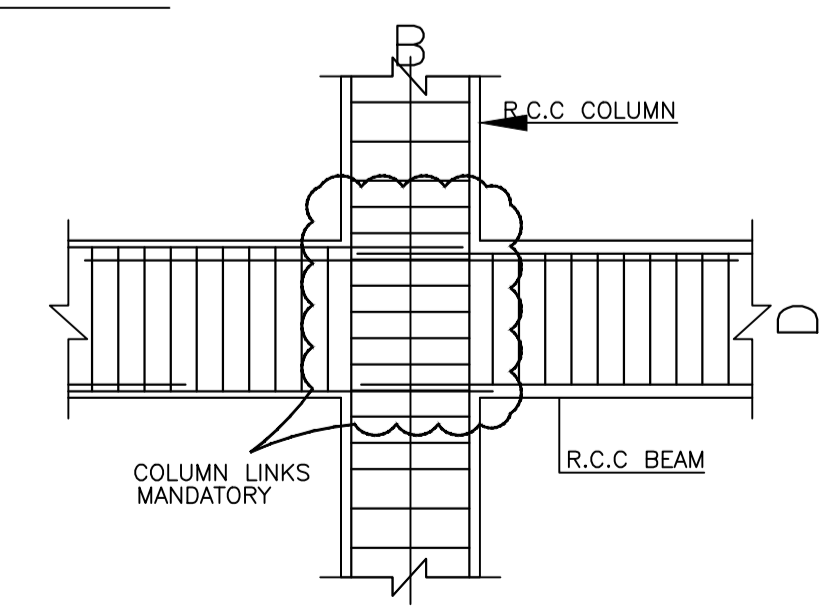
TYPICAL SLAB REINFORCEMENT DETAIL



TYPICAL DETAILS OF BEAM STIRRUPS SPACING



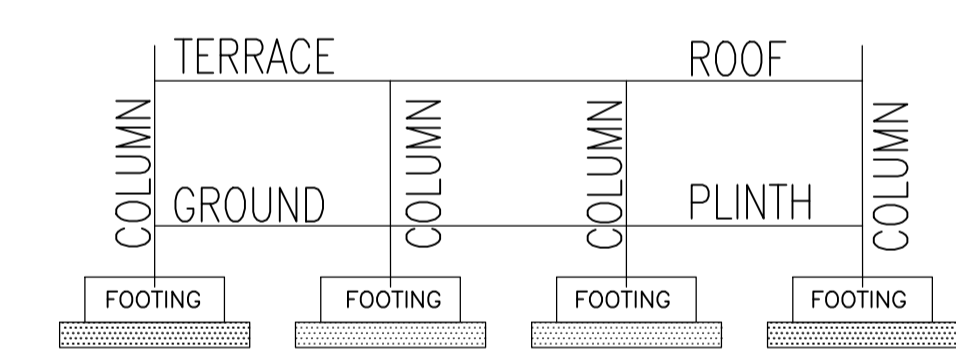
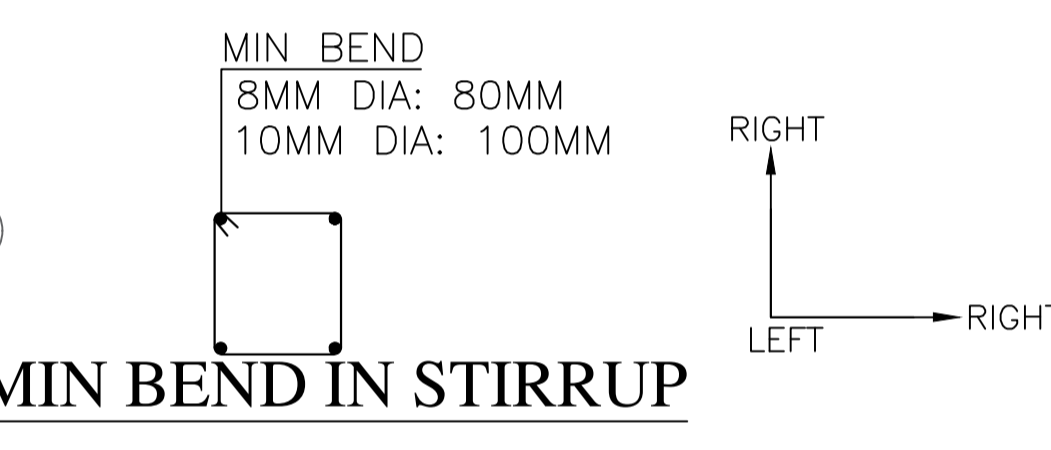
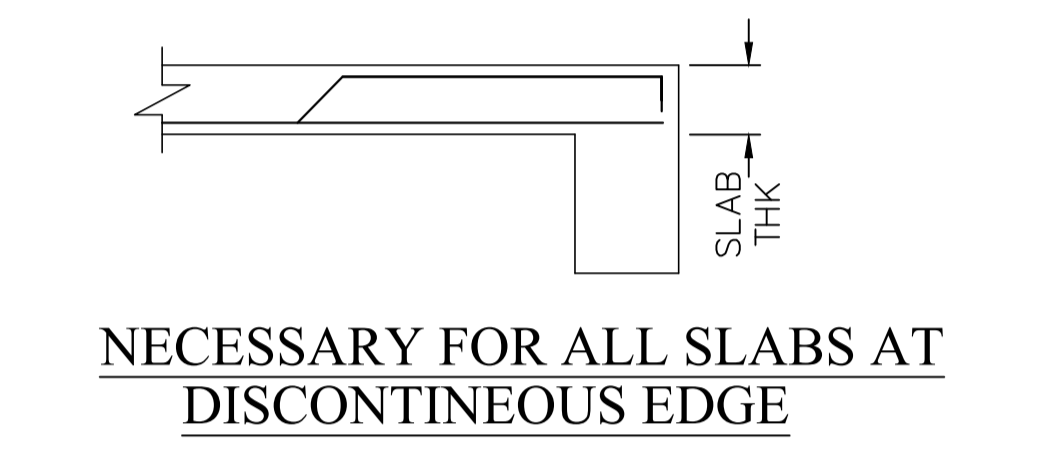
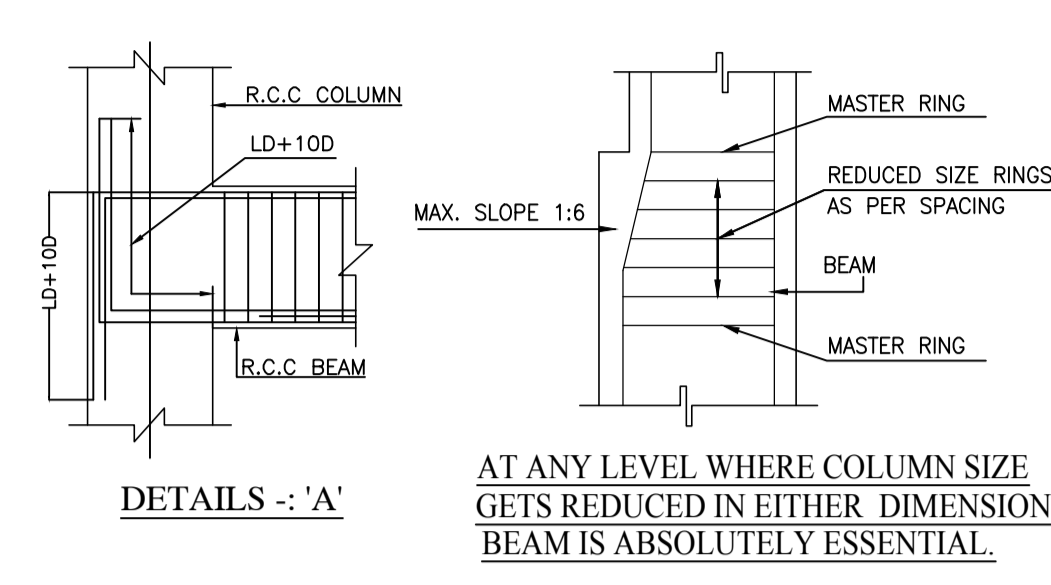
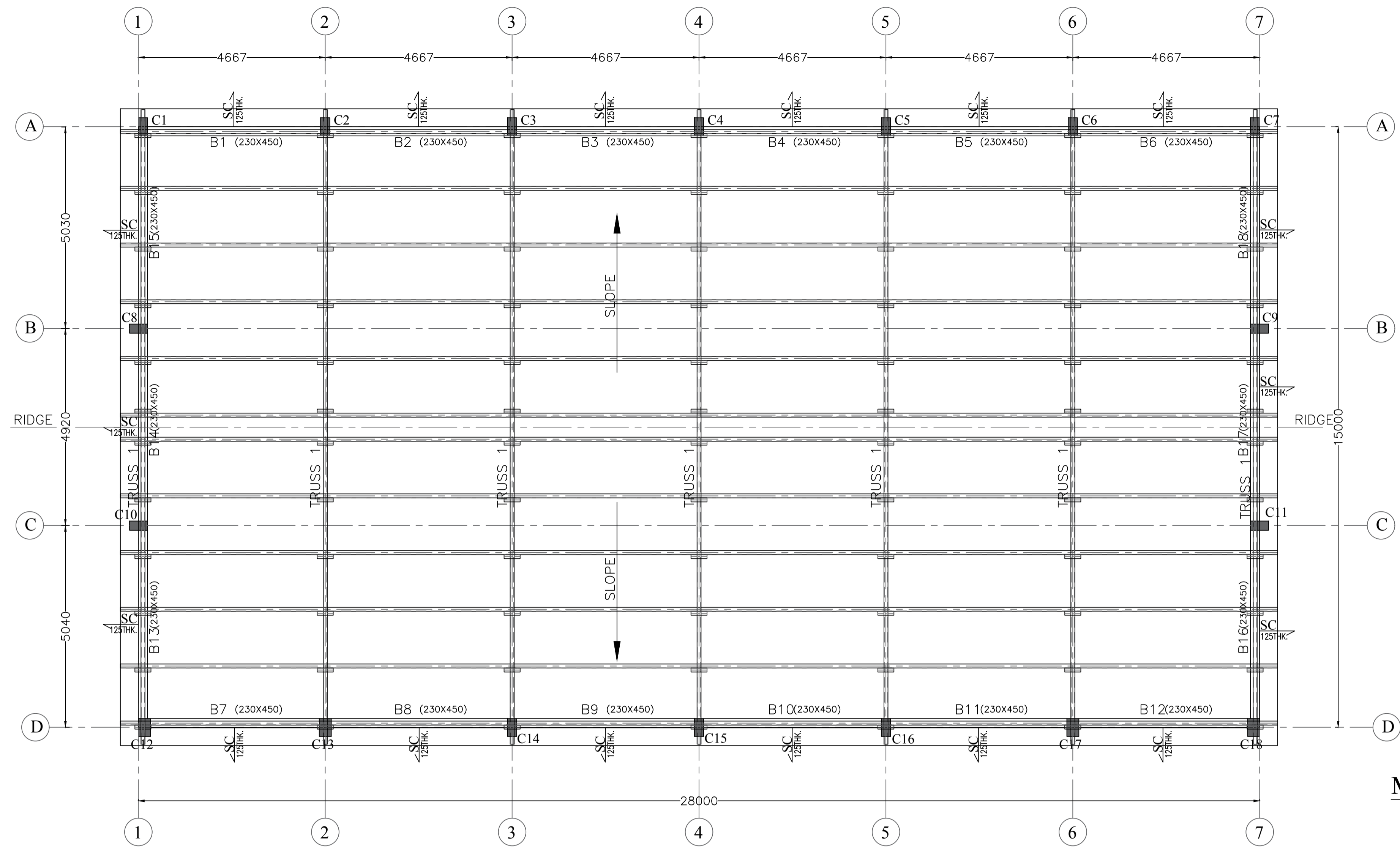
TYPICAL DETAILS OF BEAM CURTAILMENT REINFORCEMENT



COLUMN LINKS @ JUNCTION

NOTES:-

- USE CONCRETE M-25 GRADE AND STEEL FE-500



KEY ELEVATION

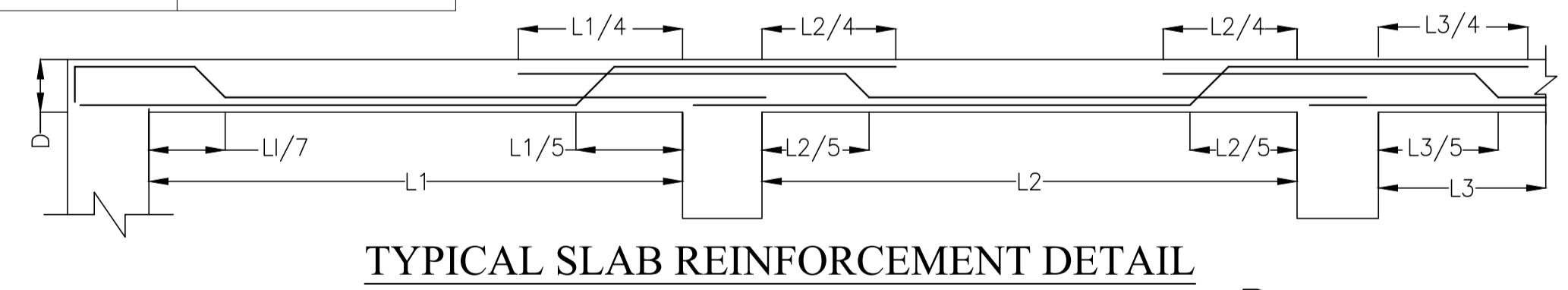
ROOF LVL. BEAMS & TRUSS LAYOUT

SCHEDULE OF BEAMS:-

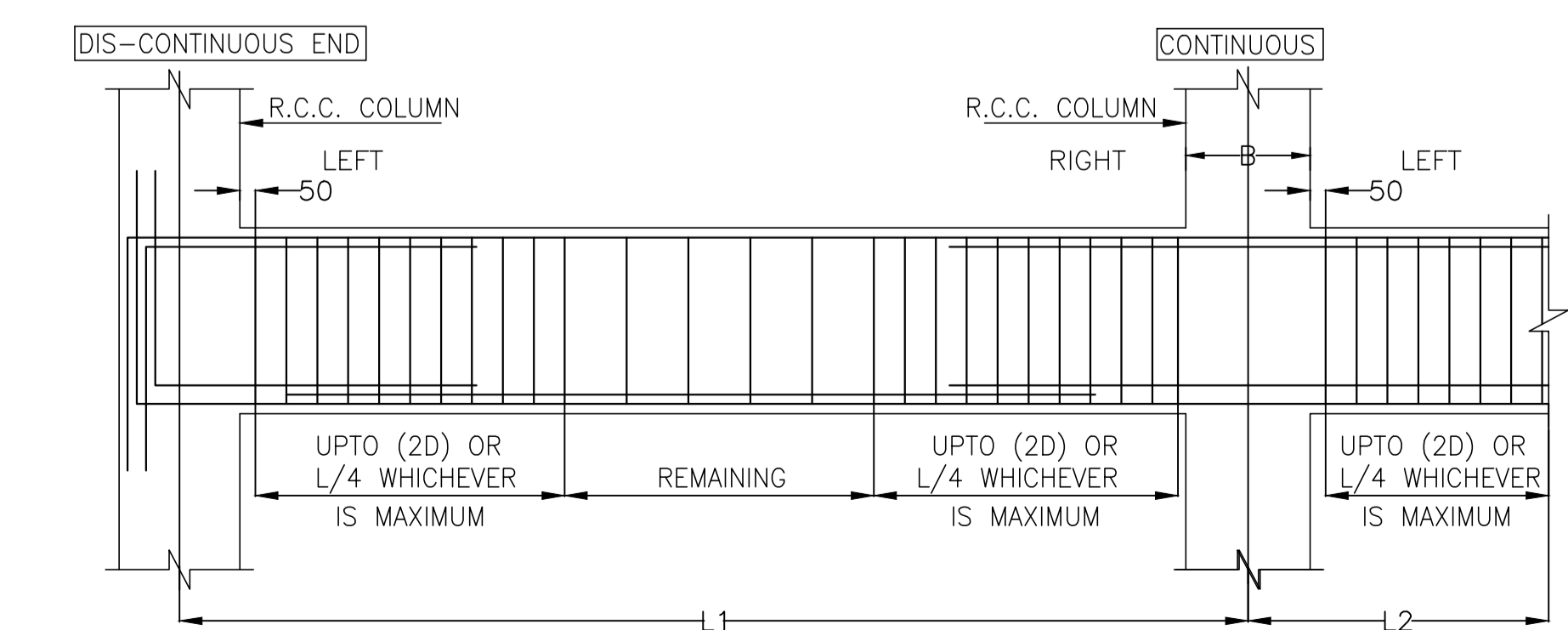
BEAM MKD.	SIZE		REINF.DETAILS AT BOT.		REINF.DETAILS AT TOP			SHEAR STIRRUPS			REMARKS
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SLAB SCHEDULE :-

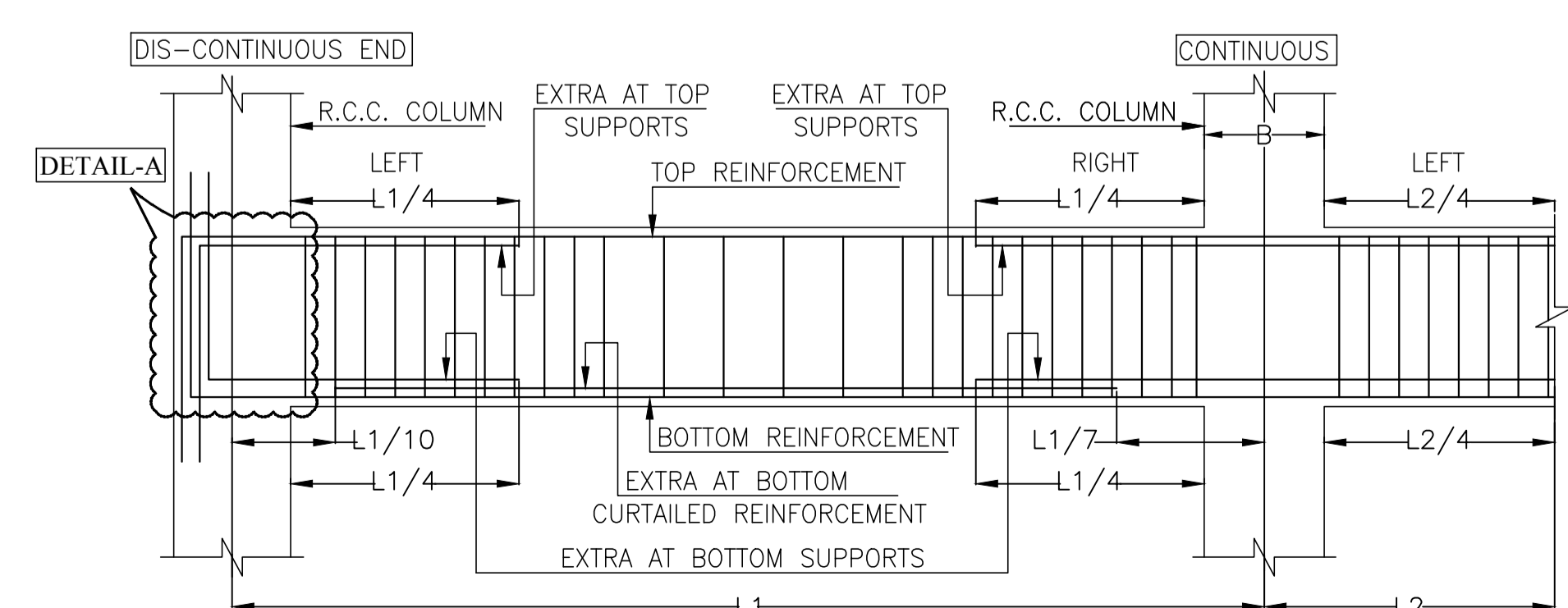
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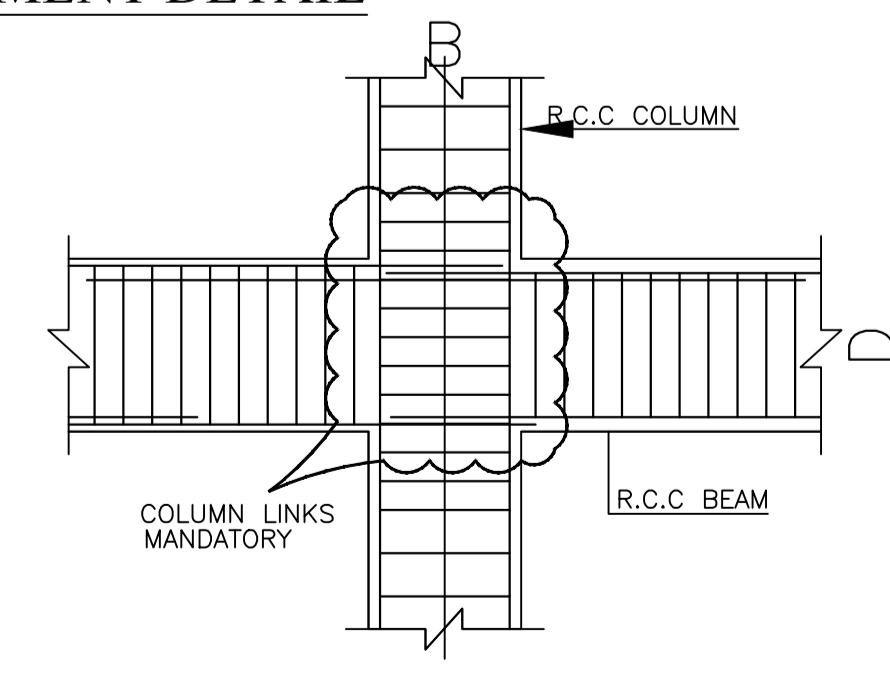
TYPICAL SLAB REINFORCEMENT DETAIL



TYPICAL DETAILS OF BEAM STIRRUPS SPACING



TYPICAL DETAILS OF BEAM CURTAILMENT REINFORCEMENT



COLUMN LINKS @ JUNCTION

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- CONCRETE MIX M 25 (AS PER MIX DESIGN) AS PER IS 456-2000
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VERTICAL FACES OF COLUMNS, BEAMS AND WALLS	24 HOURS
SLAB SPANNING UPTO 3.5M	7 DAYS
SLAB SPANNING OVER 3.5M	14 DAYS
BEAMS	21 DAYS

- BEFORE DESHUTTERING CARE SHOULD BE TAKEN TO ASCERTAIN THAN FULL STRENGTH OF CONCRETE IS GAINED AS MENTIONED IN THE DRAWING (i.e. GRADE OF CONCRETE)
- FOR BEAMS HAVING 200MM (8")/230MM (9") WIDTH PROVIDED THREE BARS IN ANY ONE LAYER
- FIRST STIRRUP IN BEAM SHOULD START FROM ITS FACES OF SUPPORT (i.e. FROM FACE OF COLUMN OR BEAM)
- PROVIDE LINKS FOR COLUMNS IN COLUMN AND BEAM JUNCTION 8T @ 100MM C/C COMPULSORY.
- ALL STRUCTURAL CONCRETE SHALL BE WEIGHT BATCHED, MACHINE MIXED AND MECHANICALLY VIBRATED AND OF THE SPECIFIED GRADE
- OUR RESPONSIBILITY SHALL REMAIN LIMITED TO SAFE AND SOUND STRUCTURAL DESIGN.
- WHILE WORKING ON SITE ABUTTING TO THE ADJACENT BUILDING SHALL BE DONE PROPERLY BY CONTRACTOR & FOR ANY DAMAGE DUE TO THE SAME WE SHALL NOT BE HELD RESPONSIBLE.
- IF IN DOUBT, "ASK" DO NOT INTERPRETE.
- DO NOT SCALE THE DRAWING.
- ANY DISCREPANCY BETWEEN OUR DRAWING AND ARCHITECTURAL DRAWING SHOULD BE BROUGHT TO OUR OFFICE BEFORE EXECUTION OF WORK OTHERWISE WE WILL NOT BE RESPONSIBLE FOR THE SAME
- WE WILL BE RESPONSIBLE FOR THOSE STRUCTURAL MEMBER WHICH ARE CASTED AS PER OUR DESIGN AND DRAWING. IF ANY MEMBER IS CASTED WITHOUT DRAWING IT WILL BE OWNERS/CONTRACTOR'S BUILDER'S RESPONSIBILITY.
- FORM WORK OF CANTILEVER, CHAJJA, CANOPY etc. SHOULD NOT BE REMOVED WITHOUT OUR PERMISSION.
- WE SHALL NOT REMAIN RESPONSIBLE FOR: CONCRETE MIX, SHUTTERING, SUBSTANDARD CONSTRUCTION MATERIAL, WORKMANSHIP AND FAULTY CONSTRUCTION PROCEDURE.
- PROPER CHAIRS SHOULD BE PROVIDED FOR SLAB/RAFT TO ENSURE SPECIFIED THICKNESS TO RETAIN TOP BARS IN PROPER POSITION ALSO PROVIDE PROPER PINS AND COVERS TO ALL MEMBERS
- IF THERE IS DOUBLE HEIGHT SHUTTERING (i.e. MORE THAN 3300MM (11'-0") THEN THE SHUTTERING AND BRACING IS MUST AND GET IT APPROVED FORM US BEFORE LAYING OF REINFORCEMENT. OTHERWISE WE WILL NOT BE RESPONSIBLE FOR ANY ACCIDENT DUE TO THE SAME
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH RELEVANT DRAWINGS.
- FOR BEAMS IF EXTRA END SUPPORT BAR IS NOT MENTIONED PLEASE PROVIDE 1-12T EXTRA ON TOP OF END SUPPORT
- PROVIDE 150 END HOOKS MINI. [150] FOR SLABS AND BEAMS REINFORCEMENT COMPULSORY
- PLEASE CHECK BEAM FACES WITH RESPECT TO COLUMN FACES AS PER ARCHITECTURAL WORKING DRAWINGS.
- FOR BEAMS IF THERE IS DIFFERENT NUMBER OF BARS OR DIFFERENT DIAMETERS OF BAR ARE GIVEN AT ANY SUPPORT THEN USE HIGHER NUMBER AND HIGHER DIAMETER OF BAR AT THAT PARTICULAR SUPPORT
- WE WILL BE RESPONSIBLE FOR THOSE STRUCTURAL MEMBER WHICH ARE CASTED AS PER OUR DESIGN AND DRAWING. IF ANY MEMBER IS CASTED WITHOUT DRAWING IT WILL BE OWNERS/CONTRACTOR'S BUILDER'S RESPONSIBILITY.

PROJECT : PROPOSED CONSTRUCTION OF (28MX15M=420SQ.M)GODOWN FOR SAI DISHA FARMER PRODUCER COMPANY LIMITED IN GAT NO. 164/2/1 AT POST PIMPALWADI, TAL: RAHATA, DIST: AHMEDNAGAR, (M.S.) UNDER HON. BALASAHEB THACKERAY AGRIBUSINESS & RURAL TRANSFORMATION (SMART) PROJECT.

CLIENT : SAI DISHA FARMER PRODUCER COMPANY LIMITED

STRUCTURAL CONSULTANT : SAI INFICON CONSULTANTS

DETAILS OF : S5-ROOF LVL. BEAMS & TRUSS LAYOUT R1

DGN BY : GAGAN DWG NO : 1348

CHD BY : GAGAN DATE : 31.10.2023

GAGAN M. GIRME,
B.E. (Civil), M.E. (Structure),
A.M.I.E., Ch. Engg. No.-AM 1782331
Mobile-+91-9604076050



General Notes :

- ORIENTATION OF COLUMN AS PER ARCHITECTURAL CENTER LINE PLAN IF THERE IS ANY DIFFERENCE IN COLUMN ORIENTATION IN R.C.C DRAWING AND CENTER LINE PLAN BRING IT TO THE NOTICE OF STRUCTURAL CONSULTANT BEFORE CASTING OF FOOTING.
- NOMINAL COVERS FOR REINFORCEMENT:

DESCRIPTION /EXPOSURE	MILD	MODERATE	SEVERE
FOOTING	50	50	50
COLUMNS	40	40	45
BEAMS	30	30	45
SLABS	20	25	40
R.C.C WALLS (LIFT WALL/SHEAR WALL)	40	40	45
- FOUNDATION UPTO SOIL STRATA, MIN. DEPTH OF EXCAVATION IN STRATA SHOULD BE 1200MM (4'-0")
- FOUNDATION STRATA SHOULD BE APPROVED FROM OUR OFFICE BEFORE CASTING OF P.C.C. OF FOOTING.
- BASIC REFERENCE CODE IS 456-2000
- REINFORCEMENT STEEL $F_e=500$ N/mm & FOR MILD STEEL $F_y=250$ N/mm.
- CONCRETE MIX M 25 (AS PER MIX DESIGN) AS PER IS 456-2000
- ALL COVERS ARE CLEAR COVERS (i.e. TO LINKS/STIRRUPS)
- FOR CANTILEVER BEAMS TOP REINFORCEMENT TO BE ANCHORED BEHIND FOR $60 \times D$ OR SPAN OF CANTILEVER WHICHEVER IS GREATER.
- LAPS FOR SLABS & BEAMS= $60 \times d$ & FOR COLUMNS. = $45 \times d$, D =DIA. OF BAR. LAPPING SHOULD BE STAGGERED AND NOT MORE THAN 50% BARS SHOULD BE LAPPED AT ANY GIVEN SECTION
- ALL COLUMNS IN THE FRAME SHOULD BE TIED IN BOTH DIRECTION BY BEAMS AT ALL FLOORS IF THE HEIGHT OF THE COLUMN IS WITHIN THE ALLOWABLE LIMIT
- IF THE COLUMN SIZE IS REDUCING AT ANY LEVEL THEN IT IS NECESSARY TO PROVIDE TIE BEAM IN BOTH DIRECTIONS
- IF FOOTINGS ARE OVERLAPPING THEN INFORM THE SAME TO OUR OFFICE AND GET THE REVISED DETAILS.
- DO NOT CAST ANY R.C.C. MEMBER WITHOUT GETTING OUR WRITTEN APPROVAL
- DESHTUTTERING PERIOD SHOULD NOT BE LESS THAN SPECIFIED BELOW:

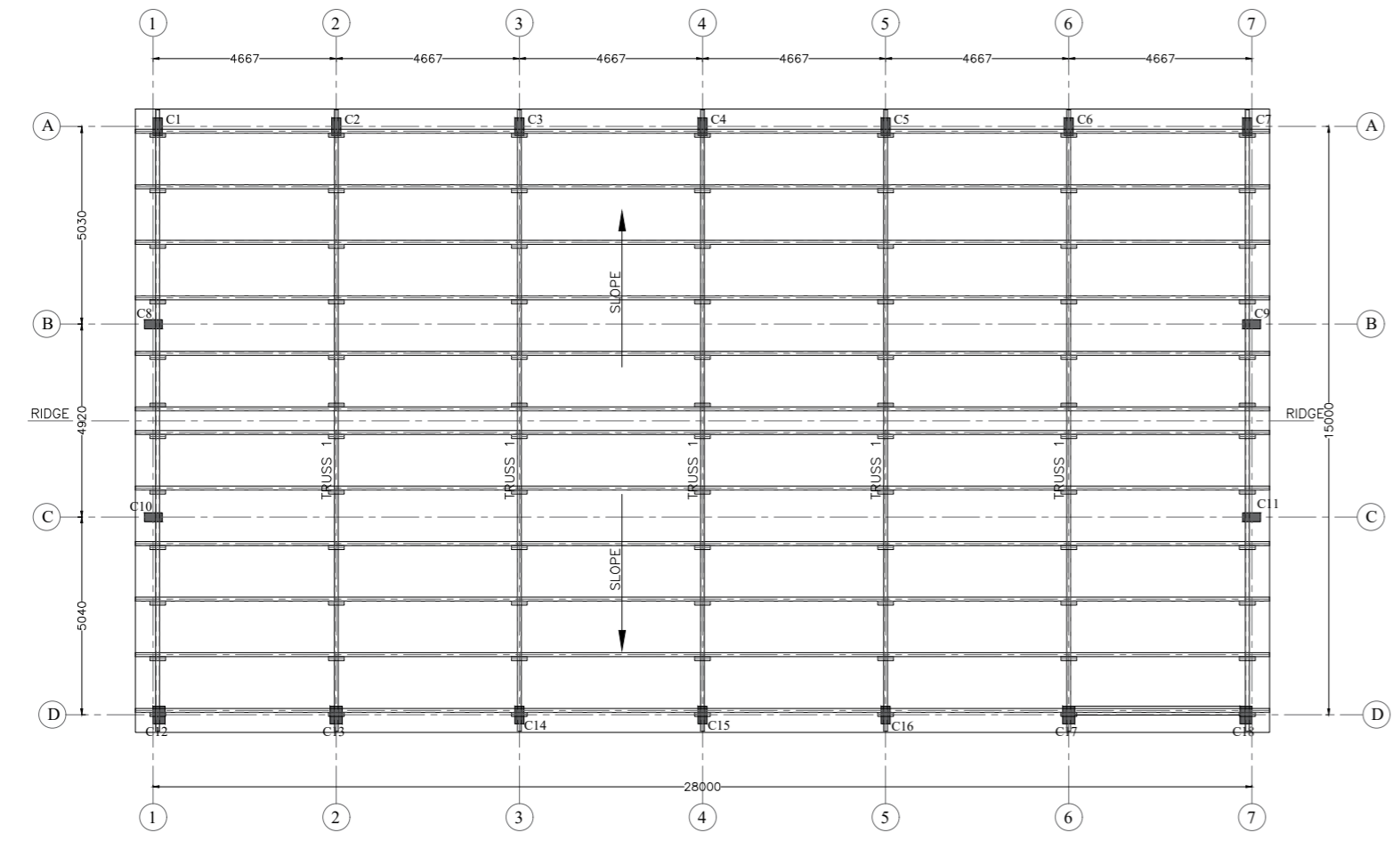
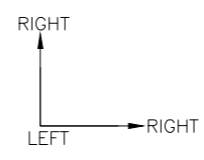
MEMBER TYPE	DESHTUTTERING PERIOD
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SLAB SPANNING UPTO 3.5M	7 DAYS
SLAB SPANNING OVER 3.5M	14 DAYS
BEAMS	21 DAYS

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- PLEASE CHECK BEAM FACES WITH RESPECT TO COLUMN FACES AS PER ARCHITECTURAL WORKING DRAWINGS.
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NOTE:-
 1) ALL STRUCTURAL MEMBERS ARE CONNECTED WITH FULL WELD CONSIDERED.
 2) KINDLY CONFIRM THE LENGTH AS PER ACTUAL SITE CONDITION BEFORE CUTTING THE MEMBERS.

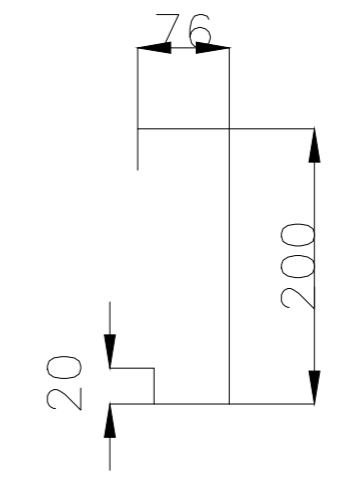
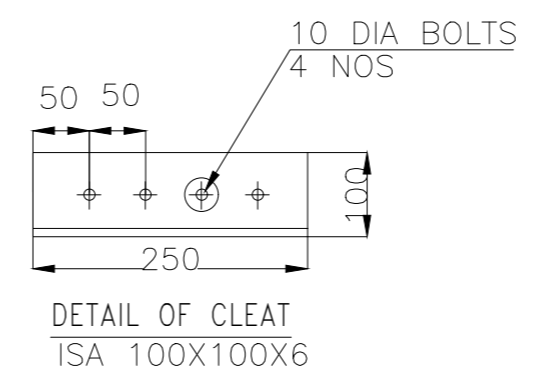
NOTES

- ALL DIMENSIONS ARE IN MM.
- ALL DIMENSIONS SHOULD BE CHECKED BEFORE FABRICATION.
- ALL FABRICATION WORK SHALL CONFIRM TO I.S. 800 1962 AND ELEVANT I.S. CODES AND SPECIFICATIONS.
- ALL WELDING SHALL BE 6MM FILLET WELD CONTINUOUS, UNLESS OTHERWISE NOTED.
- ALL STUCTURAL STEEL WORK SHALL BE CLEANED AS PER I.S. 800 1962 AND ONE COAT OF RED OXIDE PAINT IN SHOP.
- ALL STUCTURAL GUSSET PLATE 6MM THK M.S. PLATE.
- WELDING SHALL CONFIRM TO I.S. 816.
- REFERENCE SHALL BE MADE BY FABRICATION CONTRACTOR TO FOLLOWING I.S. CODES FOR FABRICATION AND ERECTION OF THE STRUCTURE.
 - I.S. 800 CODE OF PRACTICE FOR GENERAL CONSTRUCTION IN STEEL.
 - I.S. 7205 SAFETY CODE FOR ERECTION OF STRUCTURAL STEEL WORK.

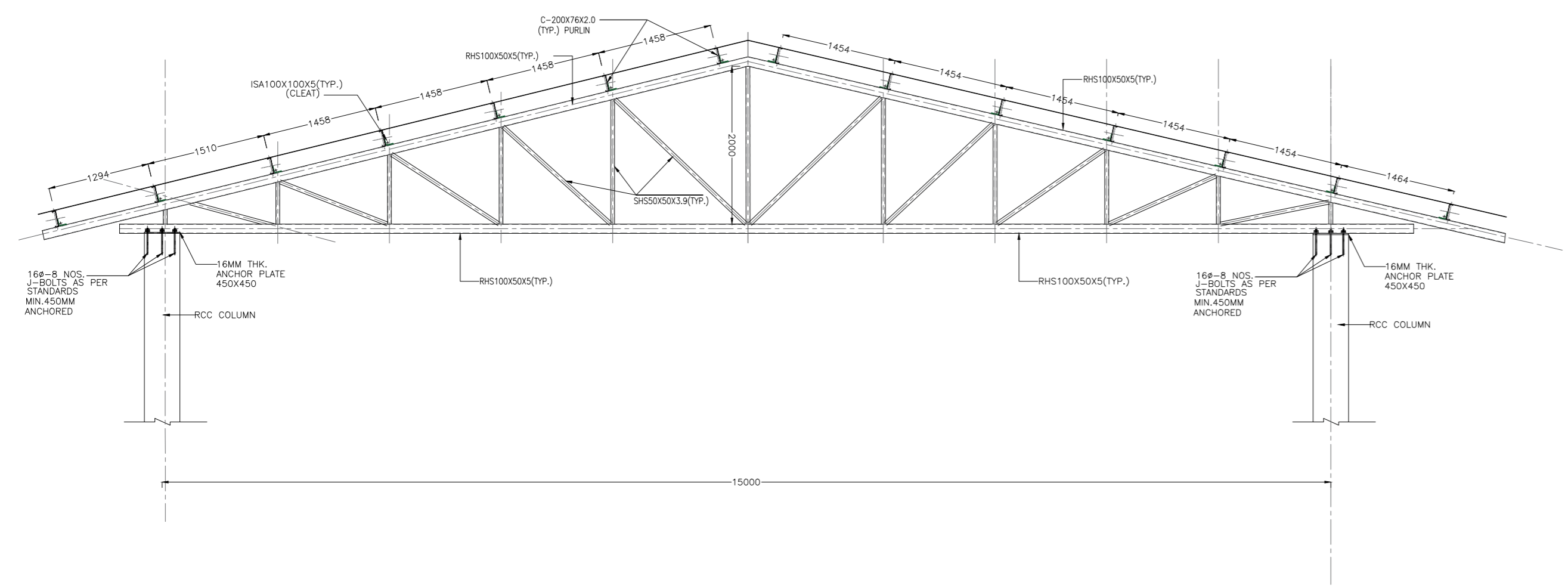


ROOF LVL. BEAMS & TRUSS LAYOUT

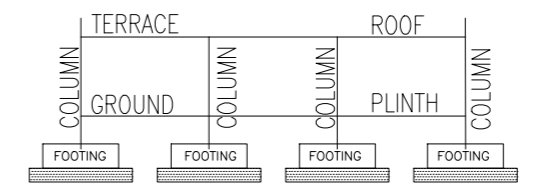
TRUSS PURLIN AND CLEAT 1



DETAILS OF PURLIN
200X76X20X2 - 19
 @ 5.70 Kg/M



TRUSS 1



KEY ELEVATION

NOTES:-

- USE CONCRETE M-25 GRADE AND STEEL FE-500

PROJECT PROPOSED CONSTRUCTION OF (28MX15M=420SQ.M.)GODOWN FOR SAI DISHA FARMER PRODUCER COMPANY LIMITED IN GAT NO. 164/2/1 AT POST PIMPALWADI, TAL: RAHATA, DIST:AHMEDNAGAR,(M.S.)UNDER HON.BALASAHEB THACKERAY AGRIBUSINESS & RURAL TRANSFORMATION (SMART)PROJECT.

CLIENT : SAI DISHA FARMER PRODUCER COMPANY LIMITED

STRUCTURAL CONSULTANT : SAI INFICON CONSULTANTS

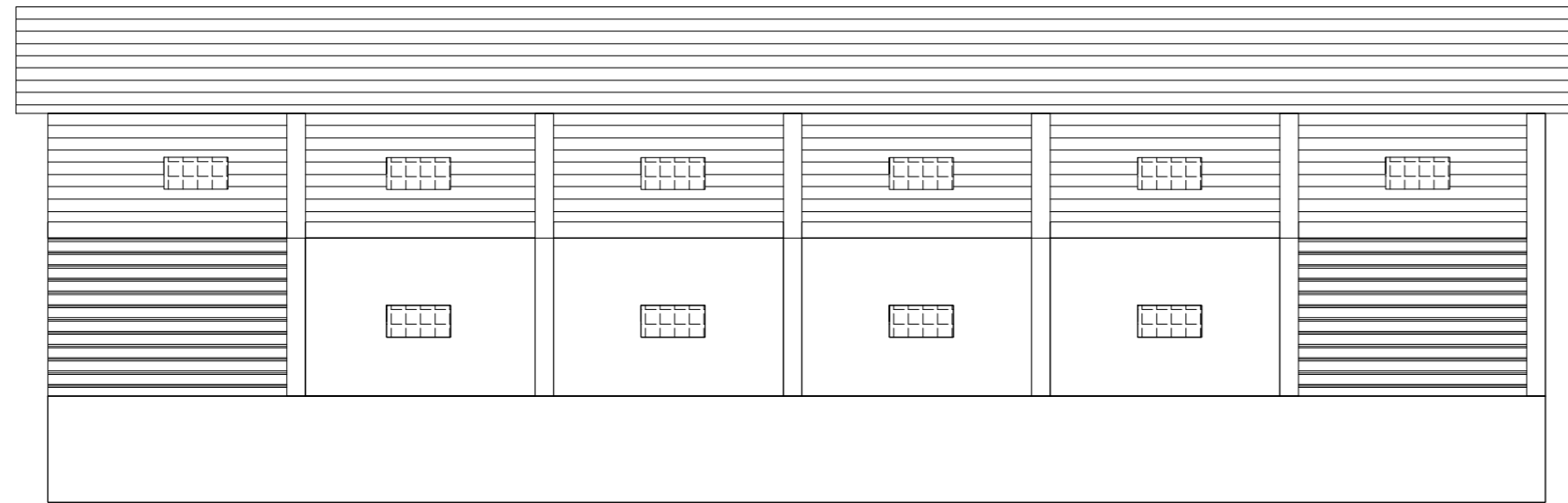
DETAILS OF S5-ROOF LVL. BEAMS & TRUSS LAYOUT R

DGN BY GAGAN DWG NO 1348

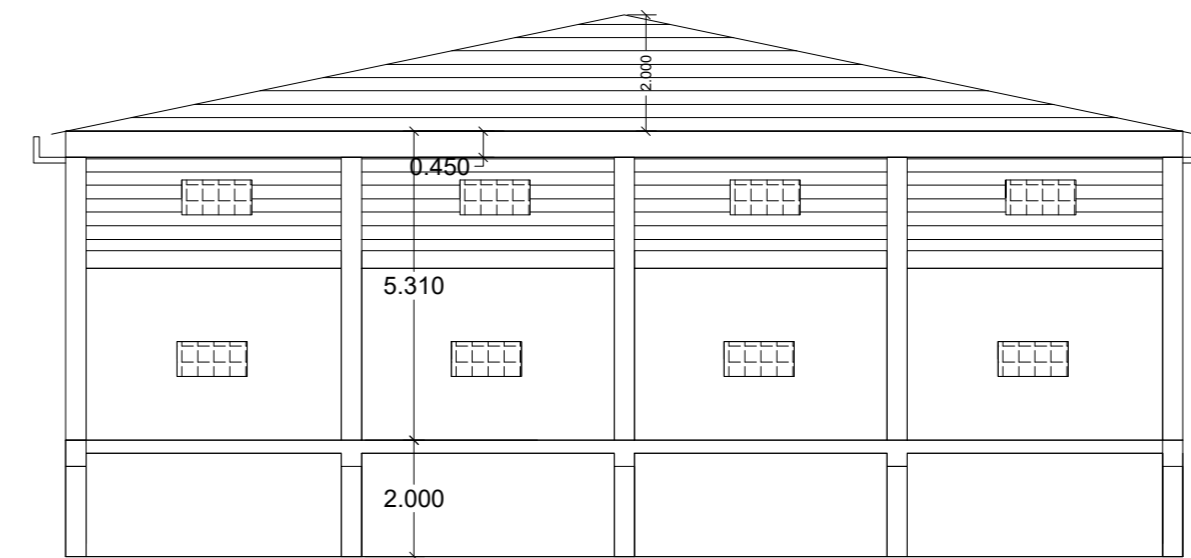
CHD BY GAGAN DATE : 31.10.2023

GAGAN M. GIRME,
 B.E. (Civil), M.E. (Structure),
 A.M.I.E., Ch. Engg. No.-AM 1782331
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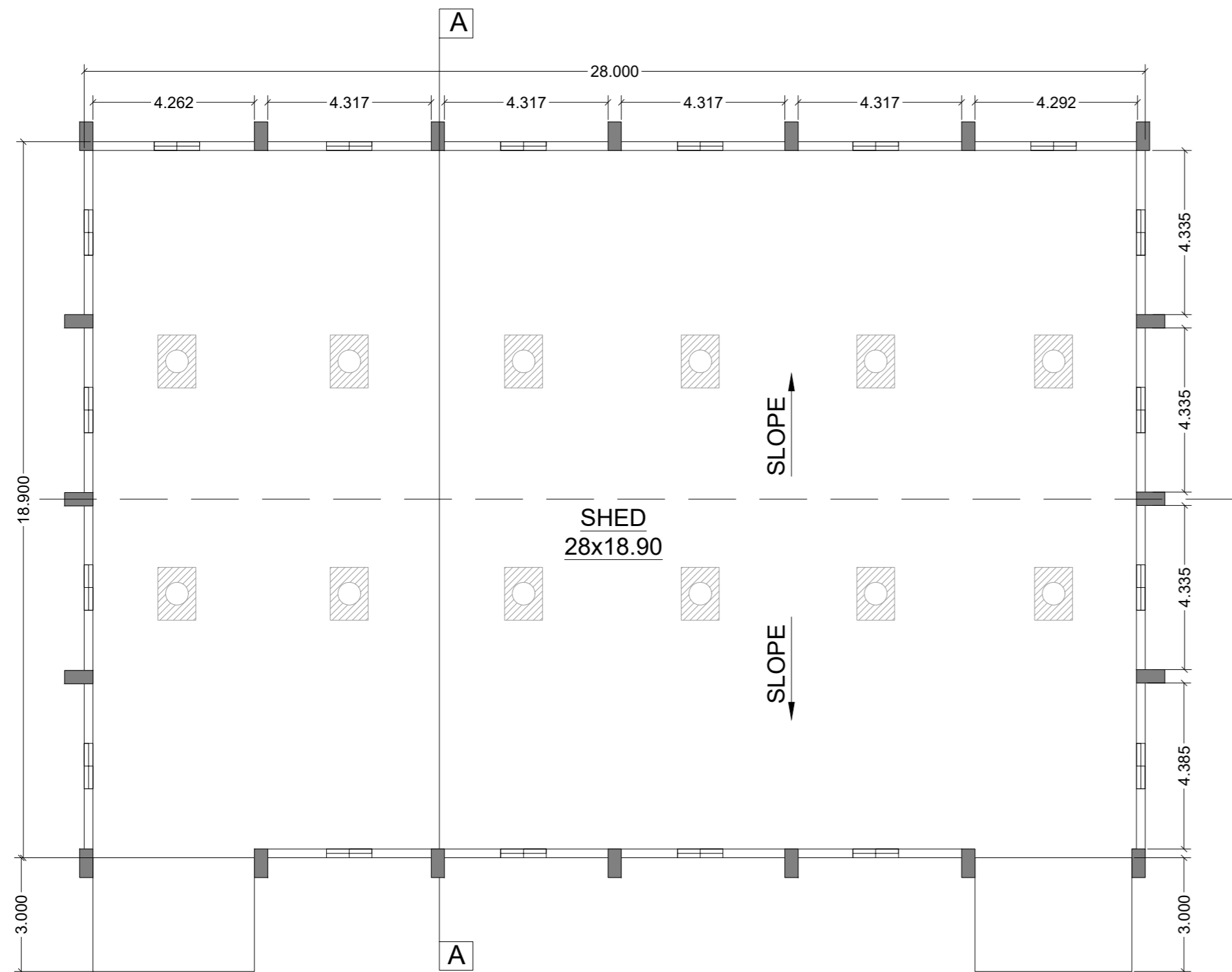
PROCESSING SHED AREA



FRONT SIDE ELEVATION





SECTION A-A



GROUND FLOOR PLAN



BLOCK PLAN

PROJECT :	Proposed Construction of Processing Shed (28.18 Mts X 18Mts=507.24Sq.M.) Limit under SMART Project GOM (Agriculture Dept.), A/p:-Pimpalwadi, Tal.-Rahata, Dist .-A.Nagar. Pin 423109		
CLIENT :	M/s:-Saidisha Farmer Producer Company Ltd		
DETAILS OF PLAN, SECTION ELEVATION.			
DSG. BY:	GAGAN	JOB NO :1348	
CHKD. BY:	GAGAN		

General Notes :

- ORIENTATION OF COLUMN AS PER ARCHITECTURAL CENTER LINE PLAN IF THERE IS ANY DIFFERENCE IN COLUMN ORIENTATION IN R.C.C DRAWING AND CENTER LINE PLAN BRING IT TO THE NOTICE OF STRUCTURAL CONSULTANT BEFORE CASTING OF FOOTING.
- NOMINAL COVERS FOR REINFORCEMENT:

DESCRIPTION /EXPOSURE	MILD	MODERATE	SEVERE
FOOTING	50	50	50
COLUMNS	40	40	45
BEAMS	30	30	45
SLABS	20	25	40
R.C.C WALLS (LIFT WALL/SHEAR WALL)	40	40	45
- FOUNDATION UPTO SOIL STRATA, MIN. DEPTH OF EXCAVATION IN STRATA SHOULD BE 1200MM (4'-0")
- FOUNDATION STRATA SHOULD BE APPROVED FROM OUR OFFICE BEFORE CASTING OF P.C.C. OF FOOTING.
- BASIC REFERENCE CODE IS 456-2000
- REINFORCEMENT STEEL $F_e=500$ N/mm & FOR MILD STEEL $F_y=250$ N/mm.
- CONCRETE MIX M 25 (AS PER MIX DESIGN) AS PER IS 456-2000
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- IF FOOTINGS ARE OVERLAPPING THEN INFORM THE SAME TO OUR OFFICE AND GET THE REVISED DETAILS.
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MEMBER TYPE	DESHUTTERING PERIOD
VERTICAL FACES OF COLUMNS, BEAMS AND WALLS	24 HOURS
SLAB SPANNING UPTO 3.5M	7 DAYS
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PROJECT : PROPOSED CONSTRUCTION OF PROCESSING SHED (PEB) 28mx18.90m=529.2sq.m. FORSAI DISHA FARMER PRODUCER COMPANY LIMITED IN GAT NO. 164/2/1 AT POST PIMPALWADI, TAL: RAHATA, DIST: AHMEDNAGAR, (M.S.) UNDER HON. BALASAHEB THACKERAY AGRIBUSINESS & RURAL TRANSFORMATION (SMART) PROJECT.

CLIENT : SAI DISHA FARMER PRODUCER COMPANY LIMITED

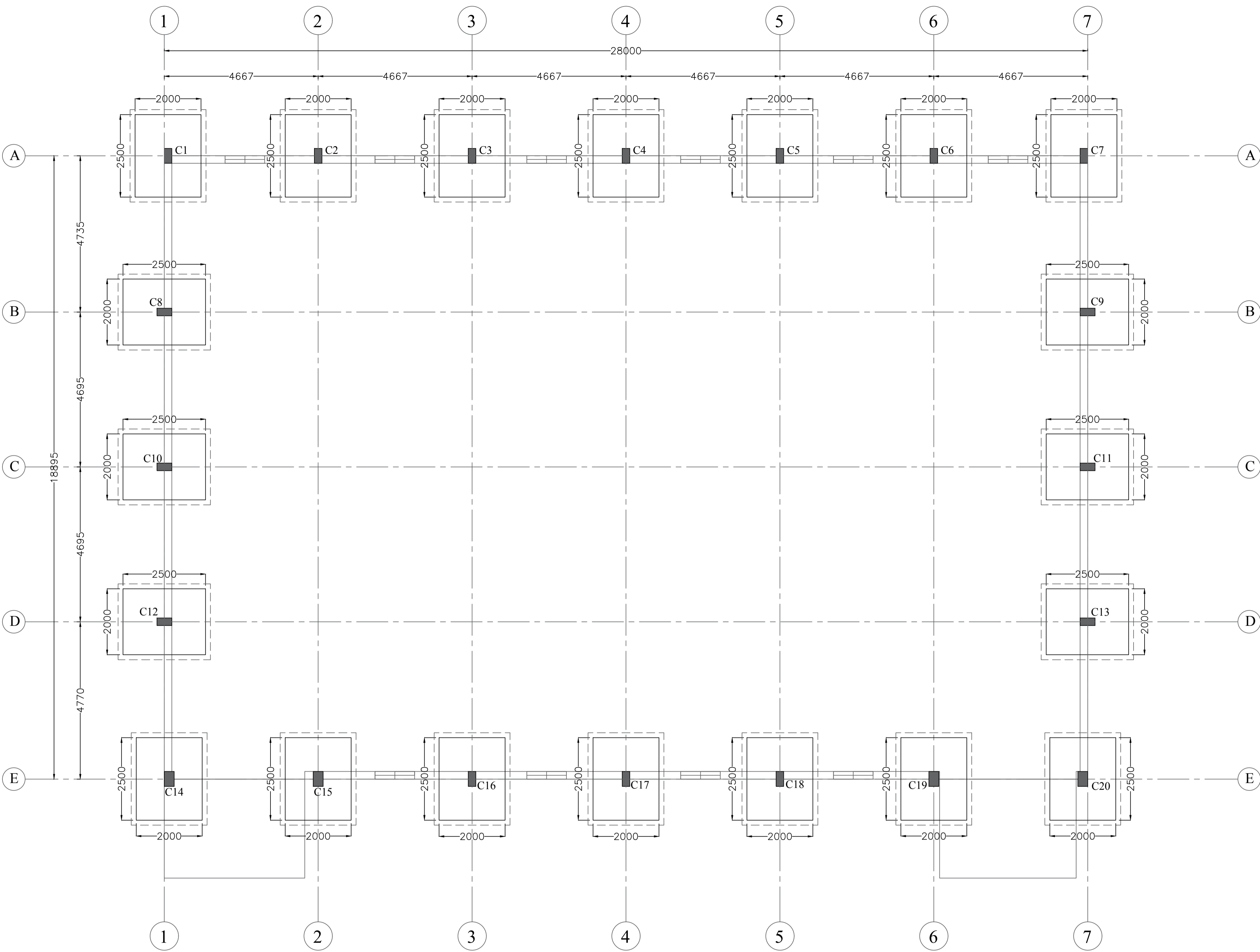
STRUCTURAL CONSULTANT : SAI INFICON CONSULTANTS

DETAILS OF : S1-COLUMNS & FOOTINGS LAYOUT R1

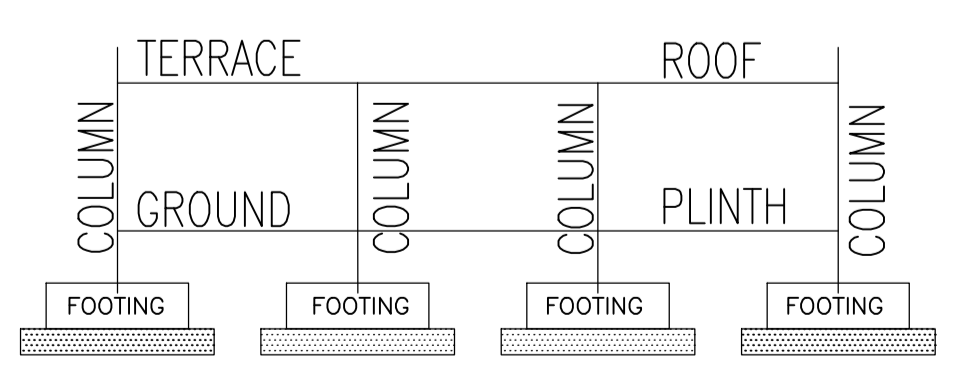
DGN BY : GAGAN DWG NO : 1349

CHD BY : GAGAN DATE : 31.10.2023

GAGAN M. GIRME, B.E. (Civil), M.E. (Structure), A.M.I.E., Ch. Engg. No.-AM 1782331 Mobile:+91-9604076050

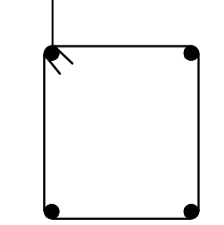


COLUMN & FOOTINGS LAYOUT

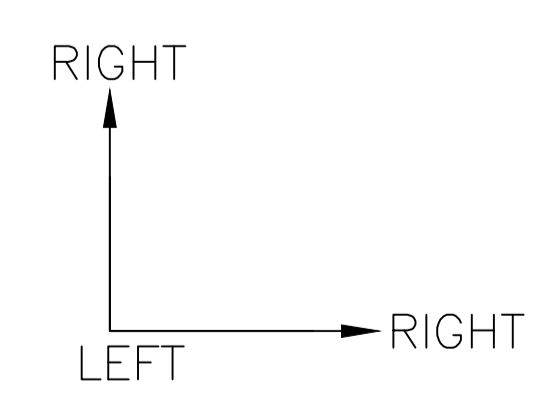


KEY ELEVATION

MIN BEND
8MM DIA: 80MM
10MM DIA: 100MM



MIN BEND IN STIRRUP



NOTES:-

- USE CONCRETE M-25 GRADE AND STEEL FE-500
- SBC IS CONSIDERED 10 T/SQ.M.
- COLUMNS & FOOTINGS ARE DESIGNED GROUND FLR. ONLY.



SCHEDULE OF COLUMNS AND FOOTINGS

SHEET NO:03/07

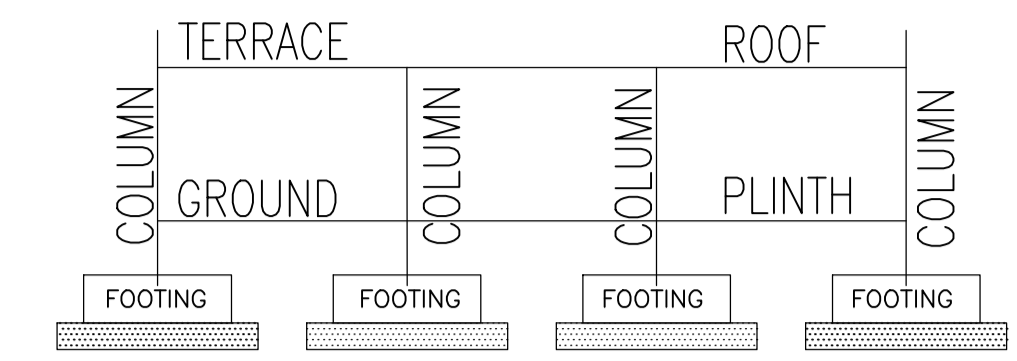
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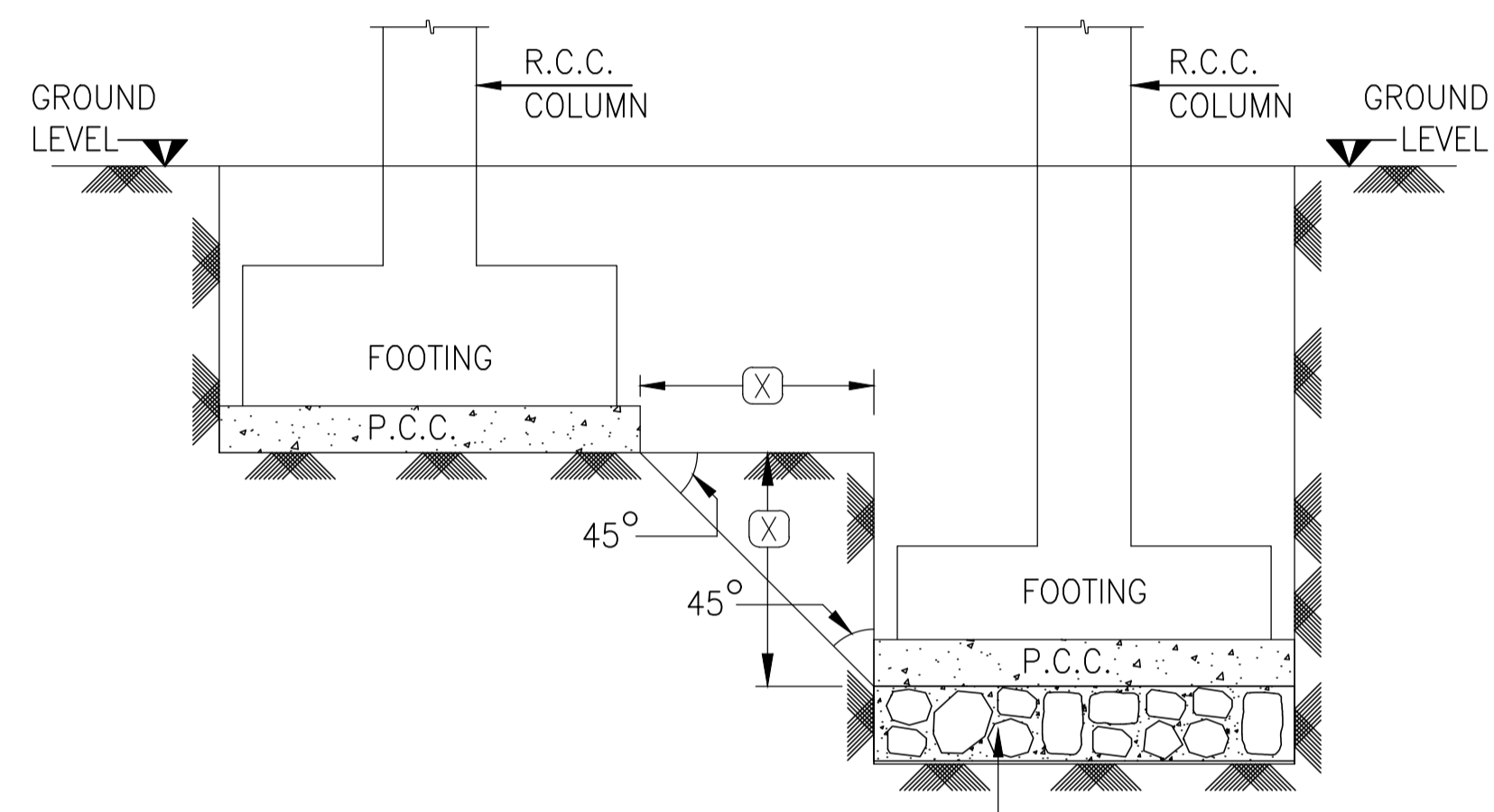
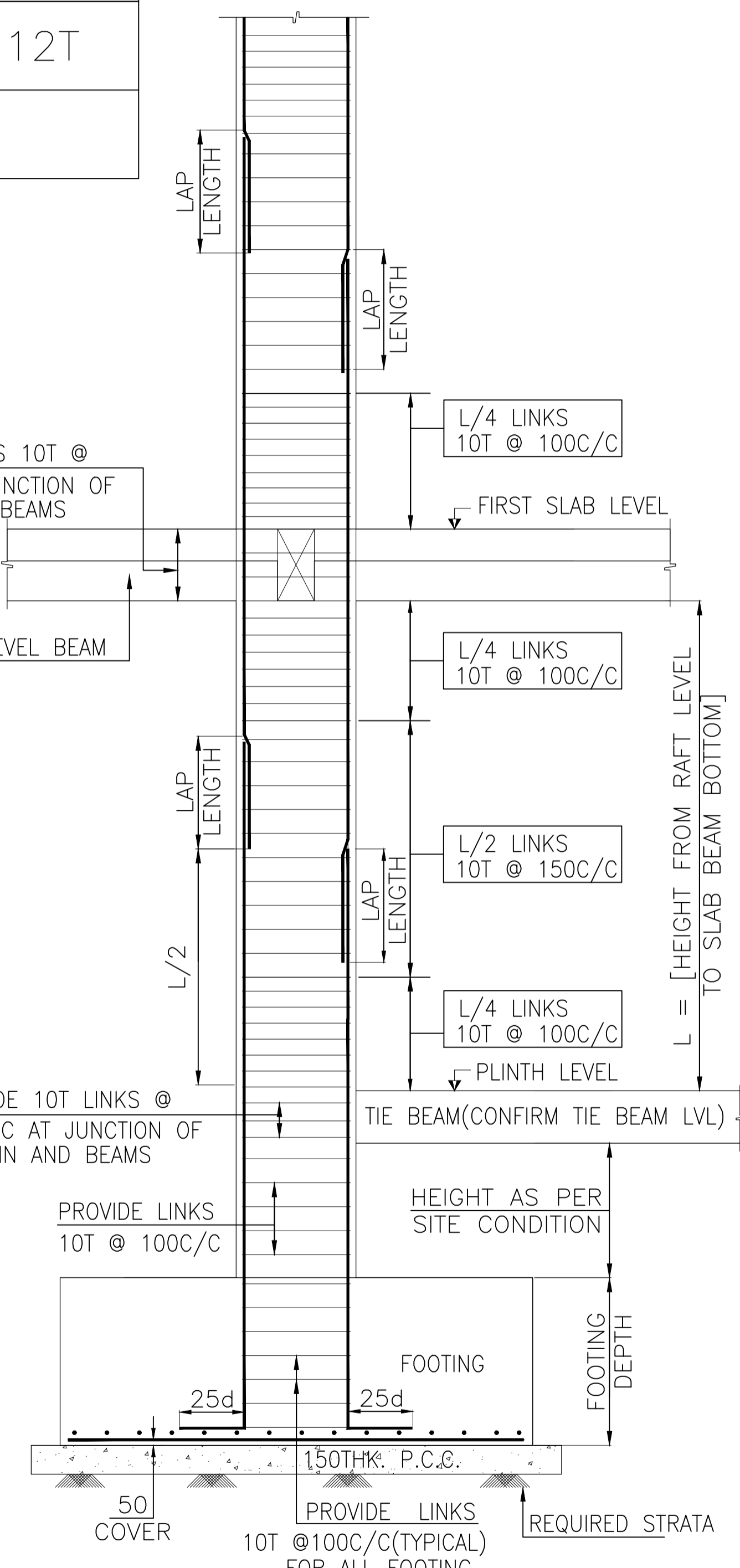
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COLUMN MKD.	FOOTING			COLUMN	
	SIZE	D	FOOTING REINF BOTH WAYS	SIZE	MAIN BARS
C1,C2,C3,C4,C5,C6, C7,C8,C9,C10,C11, C12,C13,C16,C17,C18	2000 X 2500	600	10T @ 125 C/C	230X450	10-12T
C14,C15,C19,C20	2000 X 2500	600	10T @ 125 C/C	300X450	10-12T

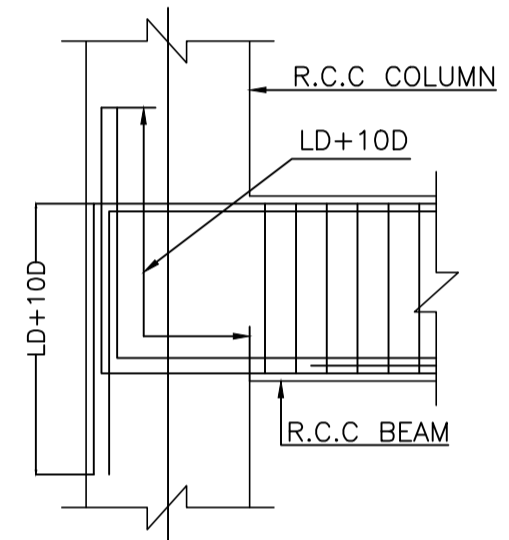
PROVIDE 8T @ 100/150 C/C LINKS AS PER ARRANGEMENT



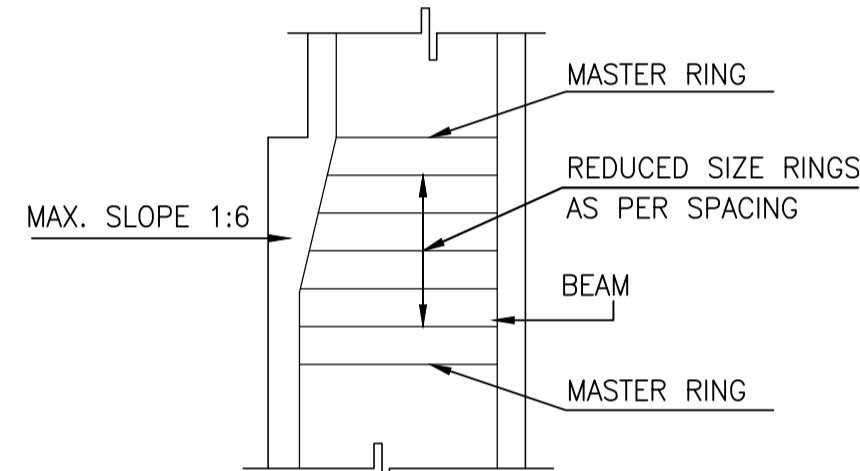
KEY ELEVATION



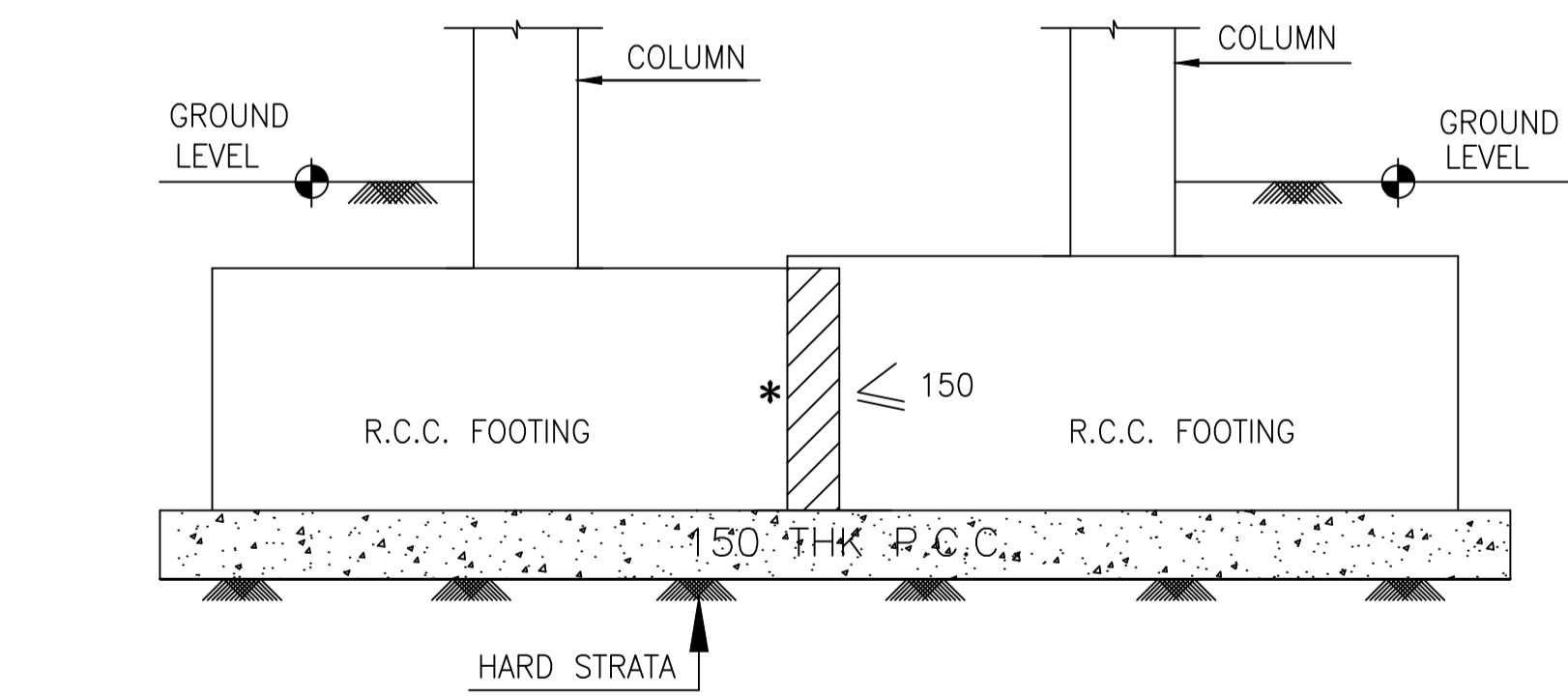
DETAIL TO BE FOLLOWED WHEN TWO ADJACENT FOOTINGS ARE AT DIFFERENT LEVELS



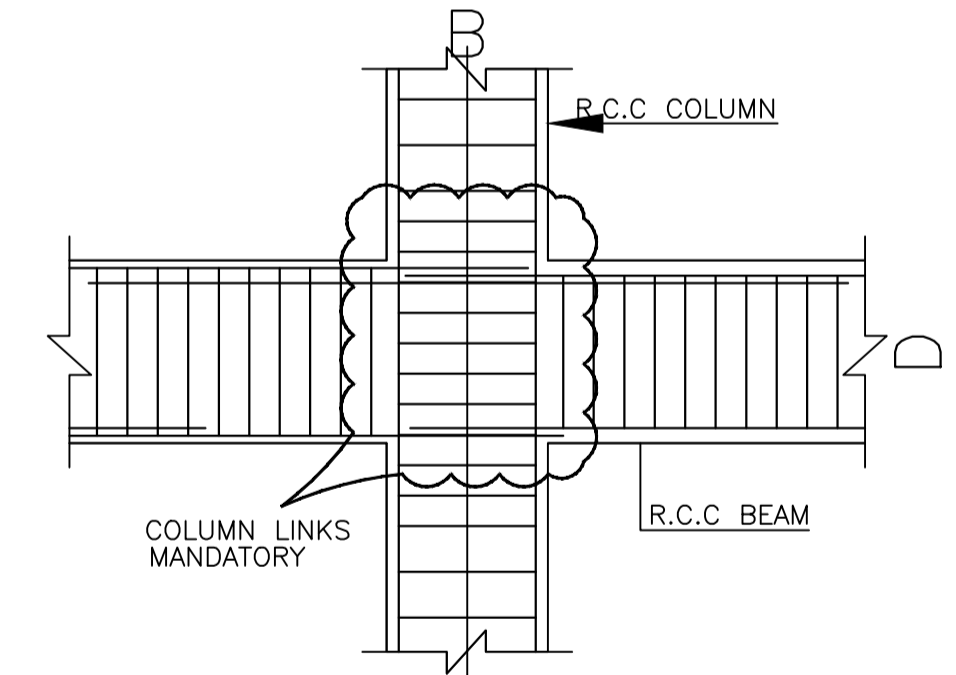
DETAILS - 'A'



AT ANY LEVEL WHERE COLUMN SIZE GETS REDUCED IN EITHER DIMENSION, BEAM IS ABSOLUTELY ESSENTIAL.



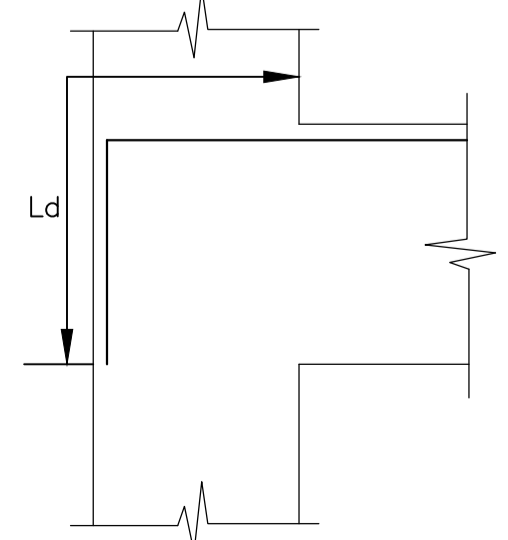
TYP. SECTION SHWOING MIXING OF ADJACENT FOOTINGS WHEN TWO ADJACENT FOOTINGS ARE VERY NEAR OR OVERLAPPING BY LESS THAN OR EQUAL TO 150 THEN CONCRETING OF BOTH ADJACENT FOOTINGS SHOULD BE DONE SIMULTANEOUSLY



COLUMN LINKS @ JUNCTION

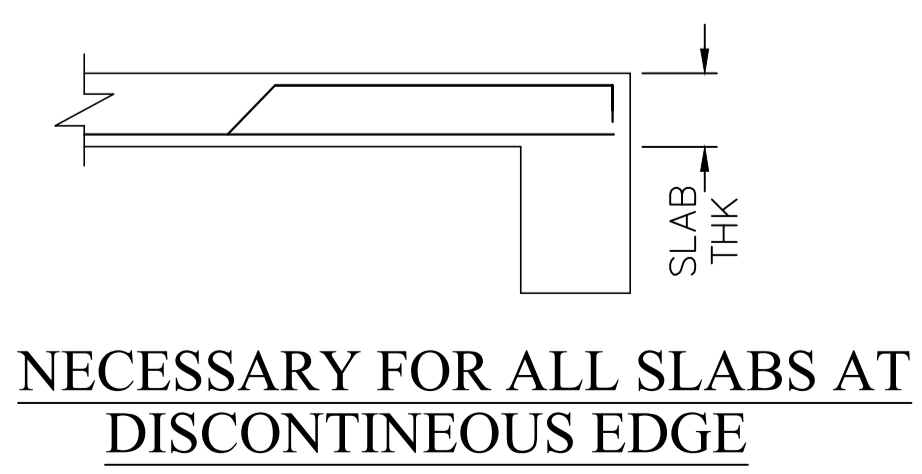
ANCHORAGE FOR END COLUMNS

BAR SIZE	Ld (MM)
8T	400
10T	500
12T	600
16T	800
20T	1000

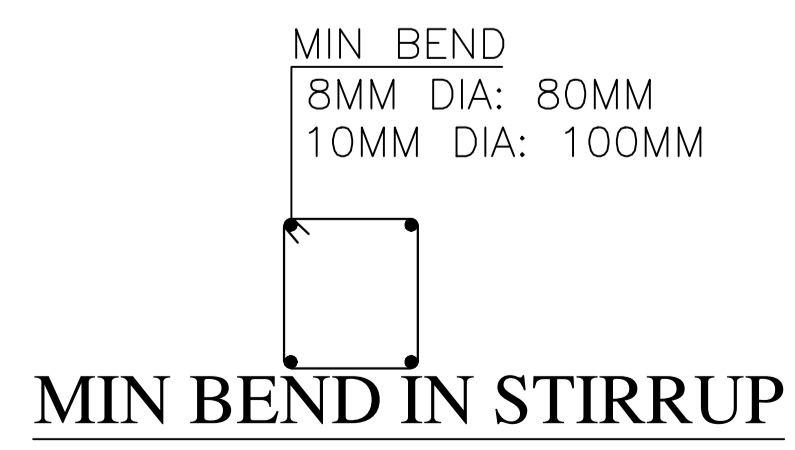


COLUMN LINKS REQUIREMENT

- NOTES:-**
- USE CONCRETE M-25 GRADE AND STEEL FE-500
 - SBC IS CONSIDERED 10 T/SQ.M.
 - COLUMNS & FOOTINGS ARE DESIGNED GROUND FLR. ONLY.



NECESSARY FOR ALL SLABS AT DISCONTINUEOUS EDGE



MIN BEND IN STIRRUP

MEMBER TYPE	DESHUTTERING PERIOD
VERTICAL FACES OF COLUMNS, BEAMS AND WALLS	24 HOURS
SLAB SPANNING UPTO 3.5M	7 DAYS
SLAB SPANNING OVER 3.5M	14 DAYS
BEAMS	21 DAYS

- BEFORE DESHUTTERING CARE SHOULD BE TAKEN TO ASCERTAIN THAN FULL STRENGTH OF CONCRETE IS GAINED AS MENTIONED IN THE DRAWING (i.e. GRADE OF CONCRETE)
- FOR BEAMS HAVING 200MM (8")/230MM (9") WIDTH PROVIDED THREE BARS IN ANY ONE LAYER
- FIRST STIRRUP IN BEAM SHOULD START FROM ITS FACES OF SUPPORT (i.e. FROM FACE OF COLUMN OR BEAM)
- PROVIDE LINKS FOR COLUMNS IN COLUMN AND BEAM JUNCTION 8T @ 100MM C/C COMPULSORY.
- ALL STRUCTURAL CONCRETE SHALL BE WEIGHT BATCHED, MACHINE MIXED AND MECHANICALLY VIBRATED AND OF THE SPECIFIED GRADE
- OUR RESPONSIBILITY SHALL REMAIN LIMITED TO SAFE AND SOUND STRUCTURAL DESIGN.
- WHILE WORKING ON SITE ABUTTING TO THE ADJACENT BUILDING SHALL BE DONE PROPERLY BY CONTRACTOR & FOR ANY DAMAGE DUE TO THE SAME WE SHALL NOT BE HELD RESPONSIBLE.
- IF IN DOUBT, "ASK" DO NOT INTERPRETE.
- DO NOT SCALE THE DRAWING.
- ANY DISCREPANCY BETWEEN OUR DRAWING AND ARCHITECTURAL DRAWING SHOULD BE BROUGHT TO OUR OFFICE BEFORE EXECUTION OF WORK OTHERWISE WE WILL NOT BE RESPONSIBLE FOR THE SAME
- WE WILL BE RESPONSIBLE FOR THOSE STRUCTURAL MEMBER WHICH ARE CASTED AS PER OUR DESIGN AND DRAWING. IF ANY MEMBER IS CASTED WITHOUT DRAWING IT WILL BE OWNERS/CONTRACTOR'S BUILDER'S RESPONSIBILITY.
- FORM WORK OF CANTILEVER, CHAJJA, CANOPY etc. SHOULD NOT BE REMOVED WITHOUT OUR PERMISSION. WE SHALL NOT REMAIN RESPONSIBLE FOR:CONCRETE MIX, SHUTTERING, SUBSTANDARD CONSTRUCTION MATERIAL, WORKMANSHIP AND FAULTY CONSTRUCTION PROCEDURE.
- PROPER CHAIRS SHOULD BE PROVIDED FOR SLAB/RAFT TO ENSURE SPECIFIED THICKNESS TO RETAIN TOP BARS IN PROPER POSITION ALSO PROVIDE PROPER PINS AND COVERS TO ALL MEMBERS
- IF THERE IS DOUBLE HEIGHT SHUTTERING (i.e. MORE THAN 3300MM (11'-0") THEN THE SHUTTERING AND BRACING IS MUST AND GET IT APPROVED FORM US BEFORE LAYING OF REINFORCEMENT. OTHERWISE WE WILL NOT BE RESPONSIBLE FOR ANY ACCIDENT DUE TO THE SAME
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH RELEVANT DRAWINGS.
- FOR BEAMS IF EXTRA END SUPPORT BAR IS NOT MENTIONED PLEASE PROVIDE 1-12T EXTRA ON TOP OF END SUPPORT
- PROVIDE 150 END HOOKS MINI. [150] FOR SLABS AND BEAMS REINFORCEMENT COMPULSORY
- PLEASE CHECK BEAM FACES WITH RESPECT TO COLUMN FACES AS PER ARCHITECTURAL WORKING DRAWINGS.
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PROJECT : PROPOSED CONSTRUCTION OF PROCESSING SHED (PEB) 28mx18.90m=529.2sq.m. FORSAI DISHA FARMER PRODUCER COMPANY LIMITED IN GAT NO. 164/2/1 AT POST PIMPALWADI, TAL: RAHATA, DIST: AHMEDNAGAR, (M.S.) UNDER HON. BALASAHEB THACKERAY AGRIBUSINESS & RURAL TRANSFORMATION (SMART) PROJECT.

CLIENT : SAI DISHA FARMER PRODUCER COMPANY LIMITED

STRUCTURAL CONSULTANT : SAI INFICON CONSULTANTS

DETAILS OF : S1-COLUMNS & FOOTINGS LAYOUT R1

DGN BY : GAGAN DWG NO : 1349

CHD BY : GAGAN DATE : 31.10.2023

GAGAN M. GIRME,
B.E. (Civil), M.E. (Structure),
A.M.I.E., Ch. Engg. No.-AM 1782331
Mobile-+91-9604076050



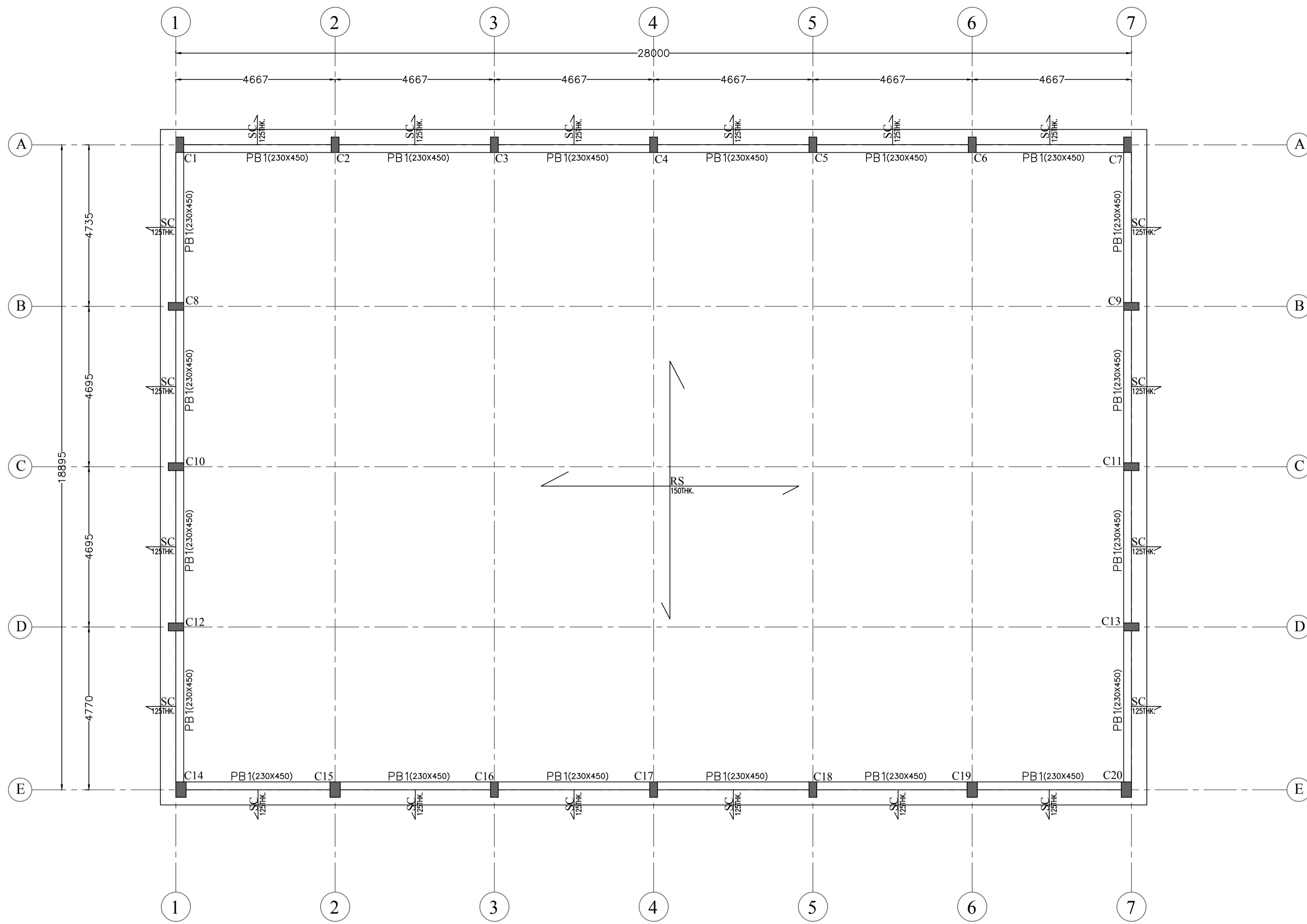
General Notes :

- ORIENTATION OF COLUMN AS PER ARCHITECTURAL CENTER LINE PLAN IF THERE IS ANY DIFFERENCE IN COLUMN ORIENTATION IN R.C.C DRAWING AND CENTER LINE PLAN BRING IT TO THE NOTICE OF STRUCTURAL CONSULTANT BEFORE CASTING OF FOOTING.
- NOMINAL COVERS FOR REINFORCEMENT:

DESCRIPTION /EXPOSURE	MILD	MODERATE	SEVERE
FOOTING	50	50	50
COLUMNS	40	40	45
BEAMS	30	30	45
SLABS	20	25	40
R.C.C WALLS (LIFT WALL/SHEAR WALL)	40	40	45
- FOUNDATION UPTO SOIL STRATA, MIN. DEPTH OF EXCAVATION IN STRATA SHOULD BE 1200MM (4'-0")
- FOUNDATION STRATA SHOULD BE APPROVED FROM OUR OFFICE BEFORE CASTING OF P.C.C. OF FOOTING.
- BASIC REFERENCE CODE IS 456-2000
- REINFORCEMENT STEEL $F_e=500$ N/mm & FOR MILD STEEL $F_y=250$ N/mm.
- CONCRETE MIX M 25 (AS PER MIX DESIGN) AS PER IS 456-2000
- ALL COVERS ARE CLEAR COVERS (i.e. TO LINKS/STIRRUPS)
- FOR CANTILEVER BEAMS TOP REINFORCEMENT TO BE ANCHORED BEHIND FOR $60 \times D$ OR SPAN OF CANTILEVER WHICHEVER IS GREATER.
- LAPS FOR SLABS & BEAMS= $60 \times D$ & FOR COLUMNS. = $45 \times D$, D=DIA. OF BAR. LAPPING SHOULD BE STAGGERED AND NOT MORE THAN 50% BARS SHOULD BE LAPPED AT ANY GIVEN SECTION
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- IF THE COLUMN SIZE IS REDUCING AT ANY LEVEL THEN IT IS NECESSARY TO PROVIDE TIE BEAM IN BOTH DIRECTIONS
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- DO NOT CAST ANY R.C.C. MEMBER WITHOUT GETTING OUR WRITTEN APPROVAL
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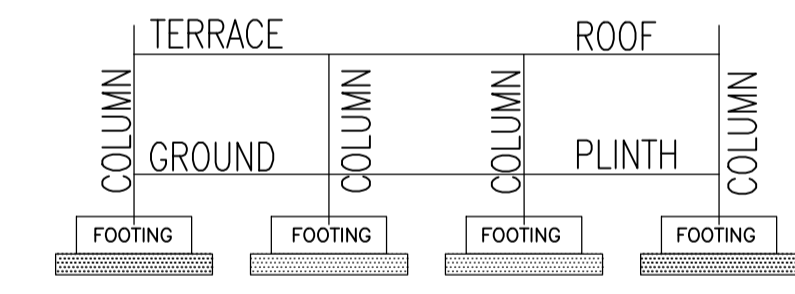
PLINTH & TIE BEAMS LAYOUT

SCHEDULE OF BEAMS:-

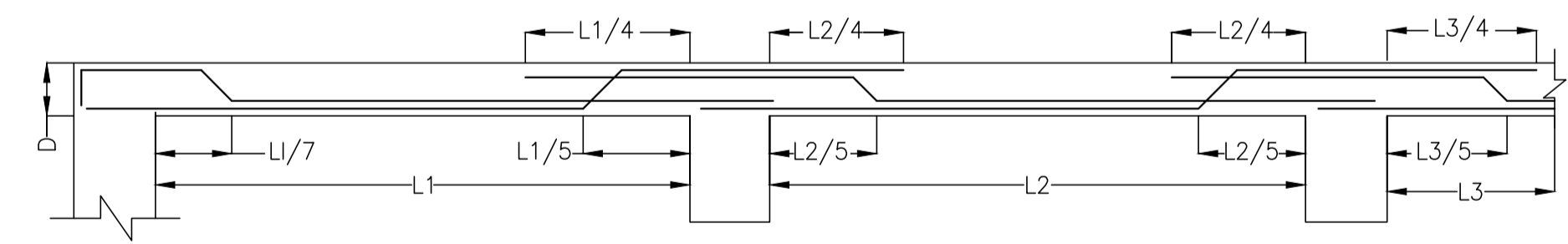
BEAM MKD.	SIZE		REINF.DETAILS AT BOT.		REINF.DETAILS AT TOP			SHEAR STIRRUPS			REMARKS
	B	D	FULL SPAN	CURTAINED AT SPAN L/7	TOP ANCHOR	LEFT	RIGHT	LEFT	MIDSPAN	RIGHT	
PB1	230	450	3-12T	2-10T	2-10T	2-12T	2-12T	8T @ 100 C/C	8T @ 200 C/C	8T @ 100 C/C	PLINTH BEAMS

SLAB SCHEDULE :-

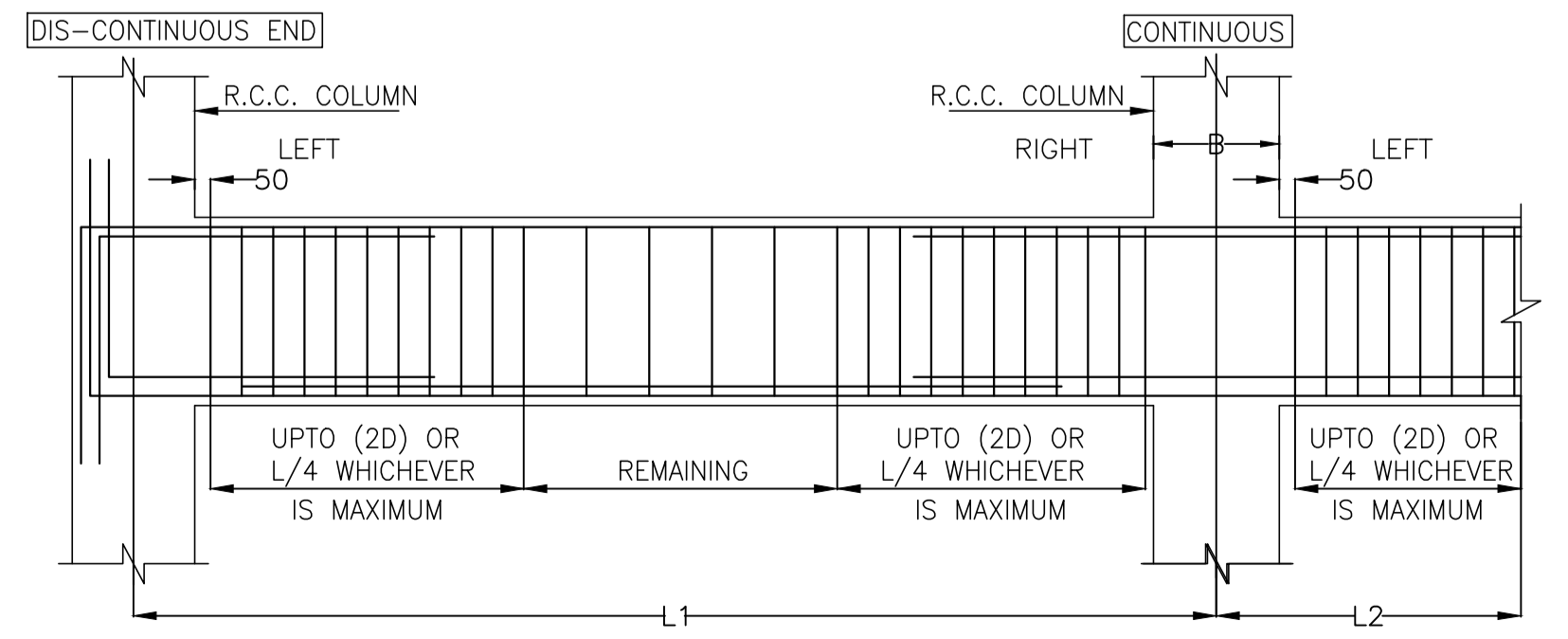
SLAB NOS.	SLAB THK.	MAIN REINFORCEMENT		DISTRIBUTION REINFORCEMENT	SLAB TYPE	REMARK
		ALONG SHORT SPAN	ALONG LONG SPAN			
RS	150	8T @ 150 C/C	8T @ 150 C/C	----	TWO WAY SLAB	RAFT SLAB
SC	125	TOP:8T @ 150 C/C BOTT.:8T @ 300 C/C	----	DIST.:8T @ 150 C/C DIST.:8T @ 150 C/C	CANTILEVER SLAB	----



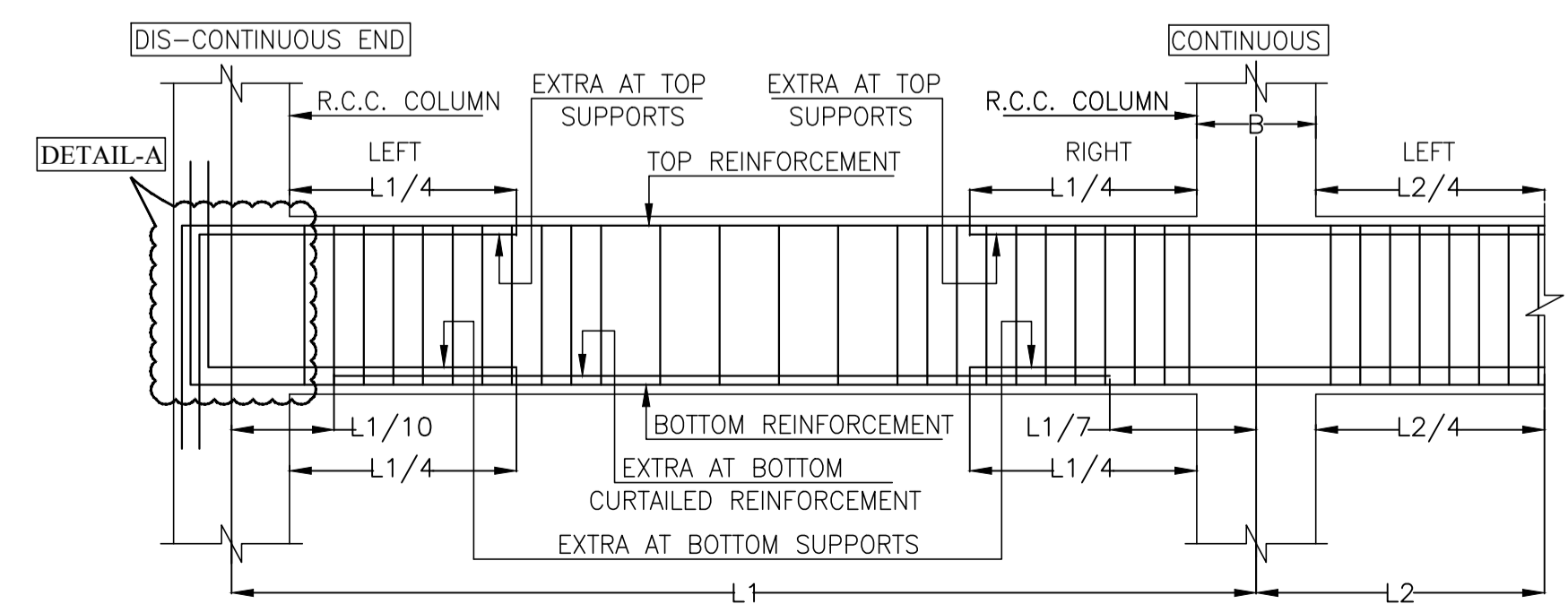
KEY ELEVATION



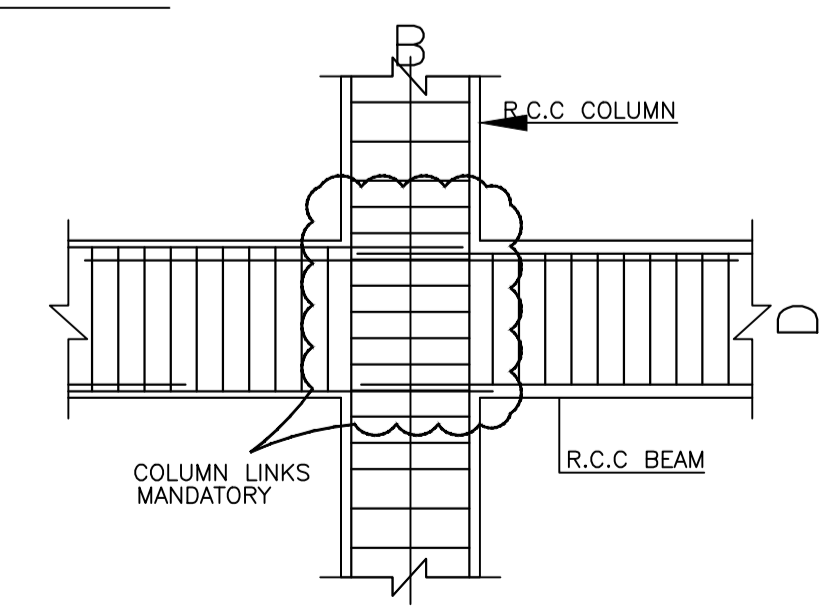
TYPICAL SLAB REINFORCEMENT DETAIL



TYPICAL DETAILS OF BEAM STIRRUPS SPACING



TYPICAL DETAILS OF BEAM CURTAILMENT REINFORCEMENT



COLUMN LINKS @ JUNCTION

NOTES:-

- USE CONCRETE M-25 GRADE AND STEEL FE-500

PROJECT : PROPOSED CONSTRUCTION OF PROCESSING SHED (PEB) 28mx18.90m=529.2sq.m. FOR SAI DISHA FARMER PRODUCER COMPANY LIMITED IN GAT NO. 164/2/1 AT POST PIMPALWADI, TAL: RAHATA, DIST: AHMEDNAGAR, (M.S.) UNDER HON. BALASAHEB THACKERAY AGRIBUSINESS & RURAL TRANSFORMATION (SMART) PROJECT.

CLIENT : SAI DISHA FARMER PRODUCER COMPANY LIMITED

STRUCTURAL CONSULTANT : SAI INFICON CONSULTANTS

DETAILS OF : S2-PLINTH & TIE BEAMS LAYOUT

DGN BY : GAGAN DWG NO : 1349

CHD BY : GAGAN DATE : 31.10.2023

GAGAN M. GIRME, B.E. (Civil), M.E. (Structure), A.M.I.E., Ch. Engg. No.-AM 1782331 Mobile- +91-9604076050



General Notes :

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DESCRIPTION /EXPOSURE	MILD	MODERATE	SEVERE
FOOTING	50	50	50
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BEAMS	30	30	45
SLABS	20	25	40
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CLIENT : SAI DISHA FARMER PRODUCER COMPANY LIMITED

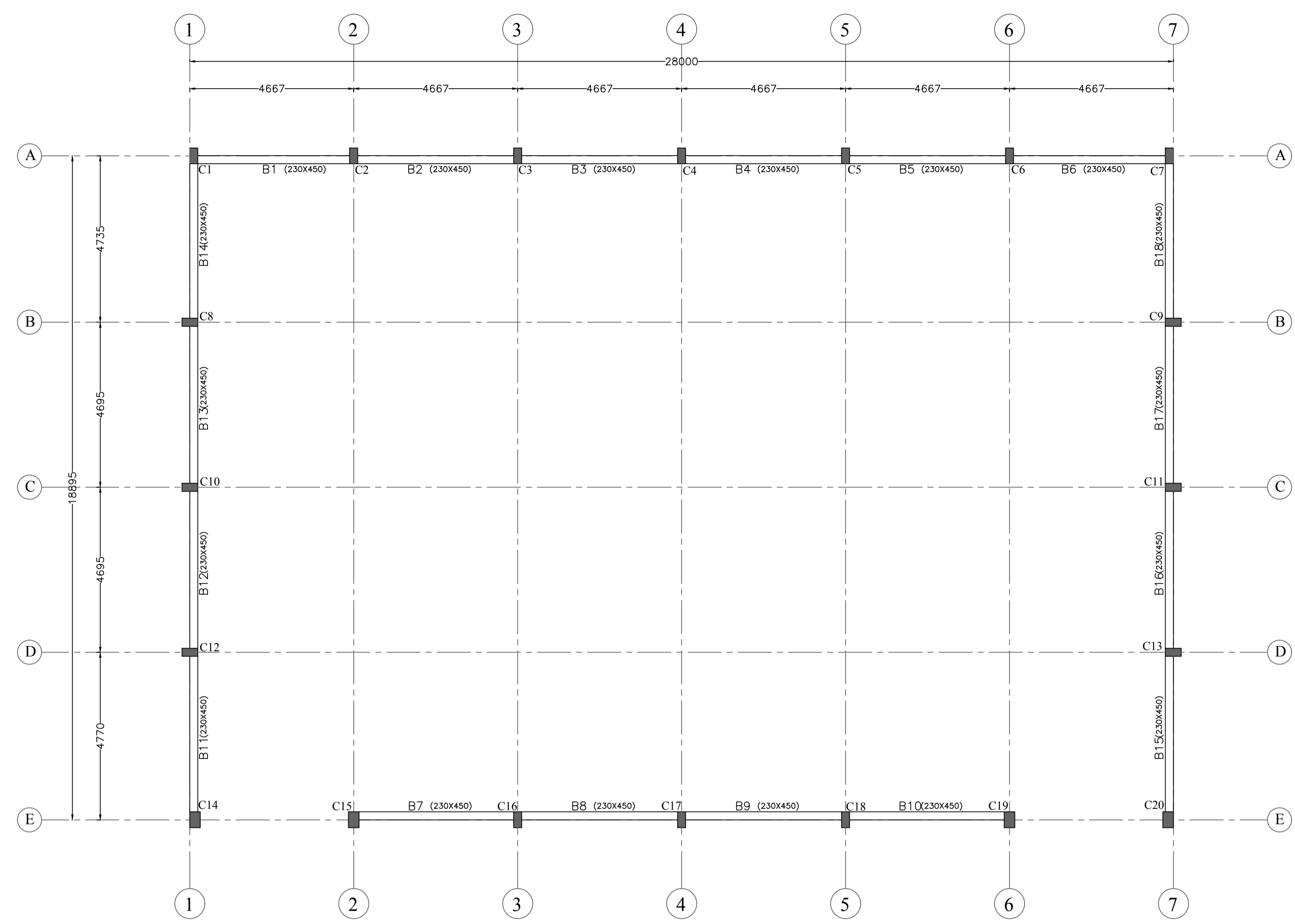
STRUCTURAL CONSULTANT : SAI INFICON CONSULTANTS

DETAILS OF : S3-TIE BEAMS @ 2.5M HT. LAYOUT

DGN BY : GAGAN DWG NO : 1349

CHD BY : GAGAN DATE : 31.10.2023

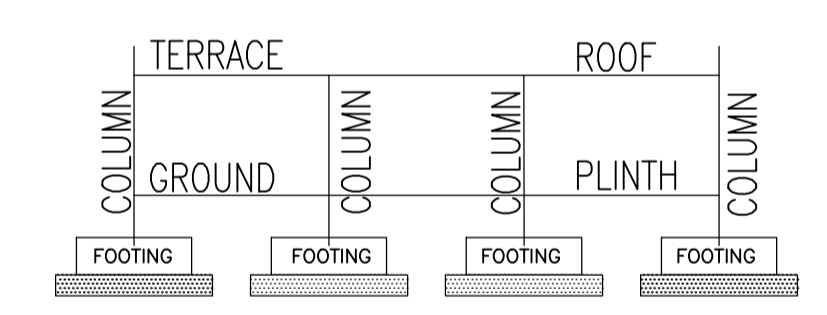
GAGAN M. GIRME,
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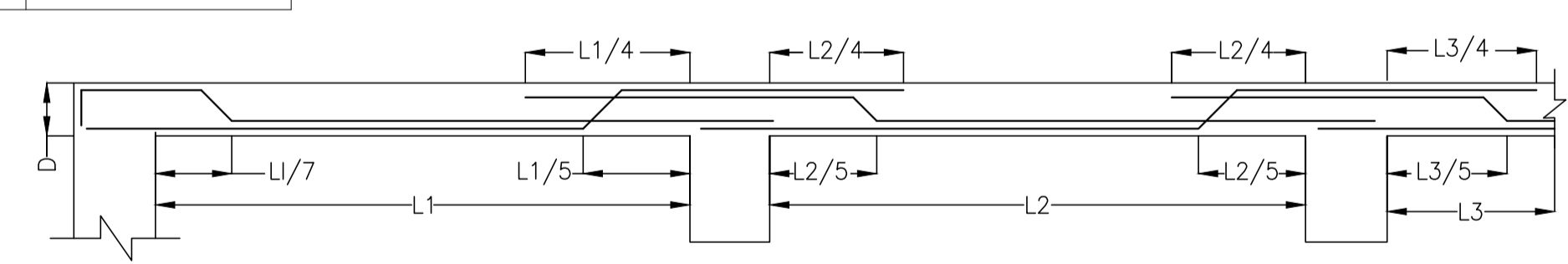
TIE BEAMS AT 2.5M LVL.

SCHEDULE OF BEAMS:-

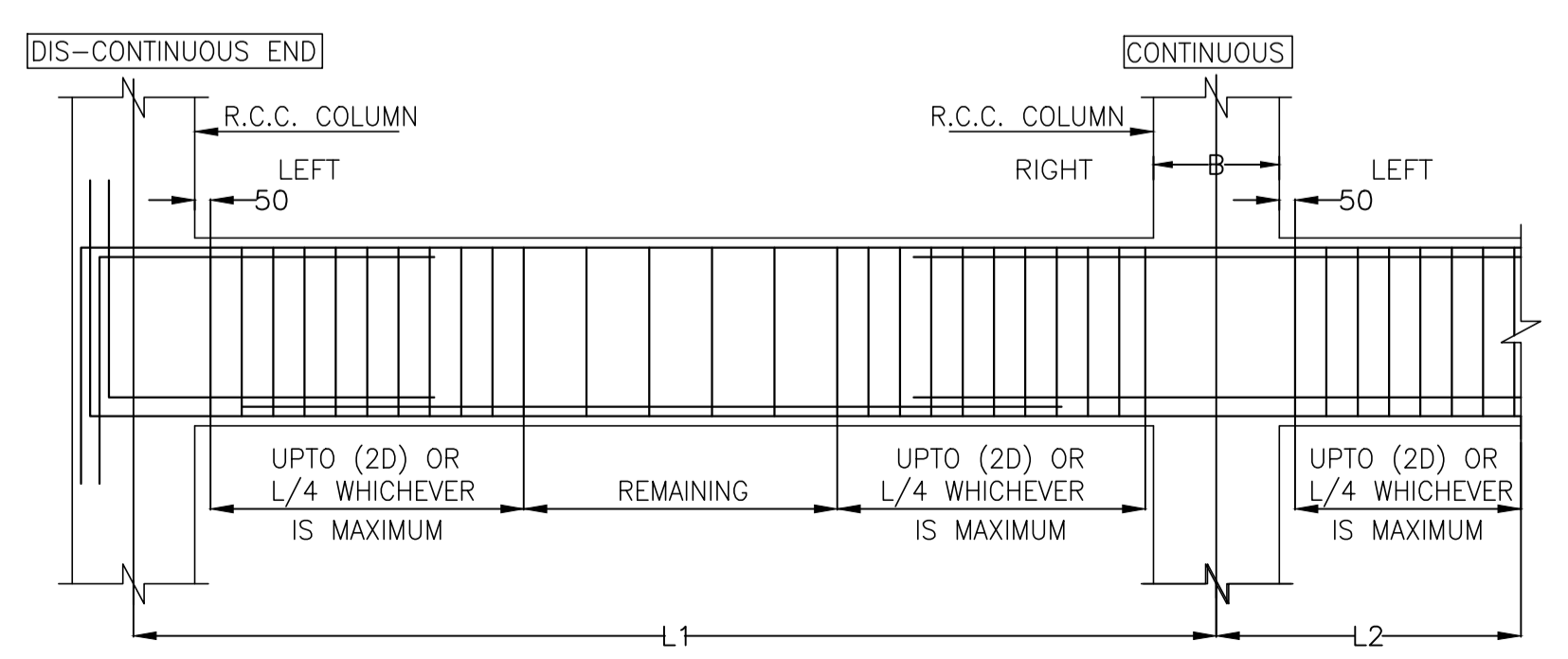
BEAM MKD.	SIZE		REINF.DETAILS AT BOT.		REINF.DETAILS AT TOP			SHEAR STIRRUPS			REMARKS
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B1,B2,B3,B4,B5,B6, B8,B9,B10,B11,B13, B14,B15,B16,B17, B18	230	450	3-12T	2-10T	2-10T	2-12T	2-12T	8T @ 100 C/C	8T @ 200 C/C	8T @ 100 C/C	----



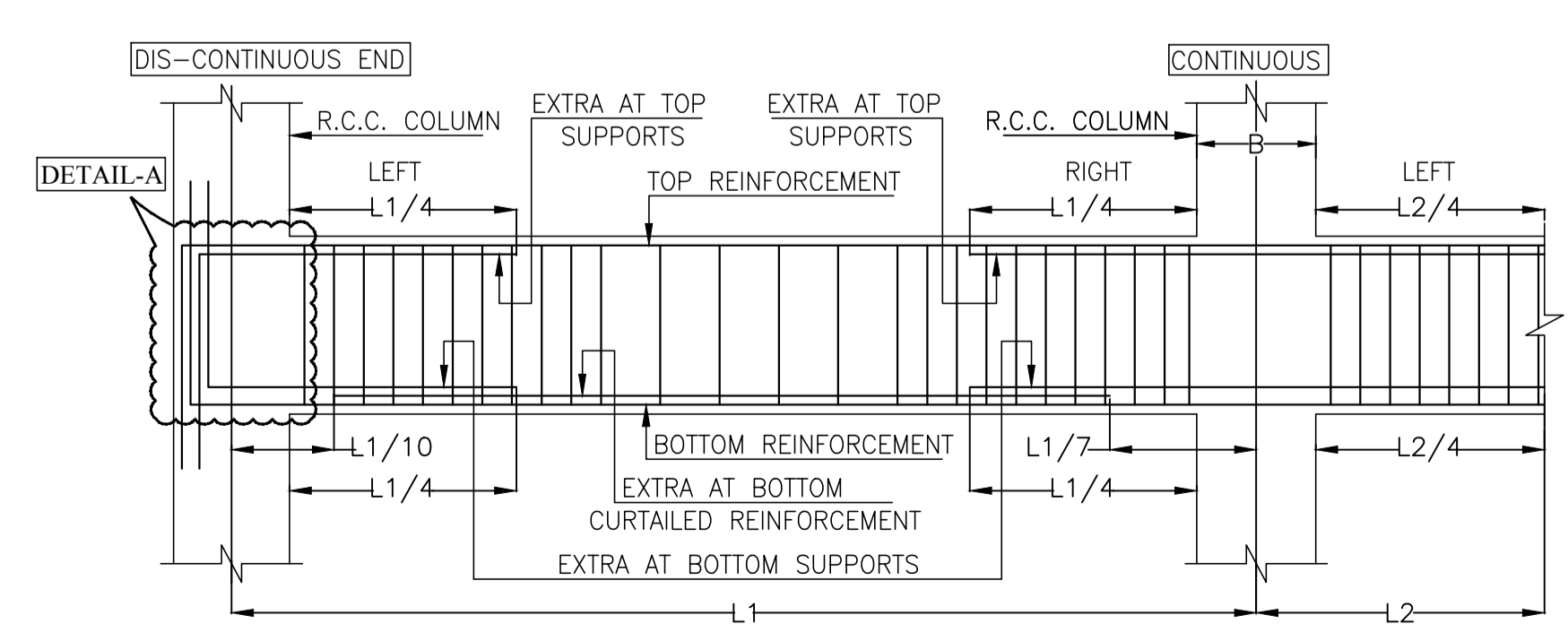
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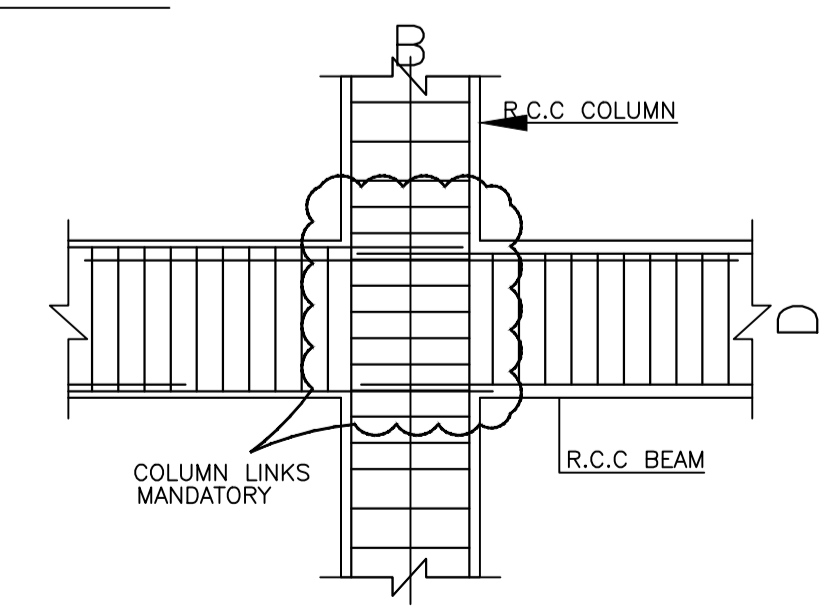
TYPICAL SLAB REINFORCEMENT DETAIL



TYPICAL DETAILS OF BEAM STIRRUPS SPACING



TYPICAL DETAILS OF BEAM CURTAILMENT REINFORCEMENT



COLUMN LINKS @ JUNCTION

NOTES:-

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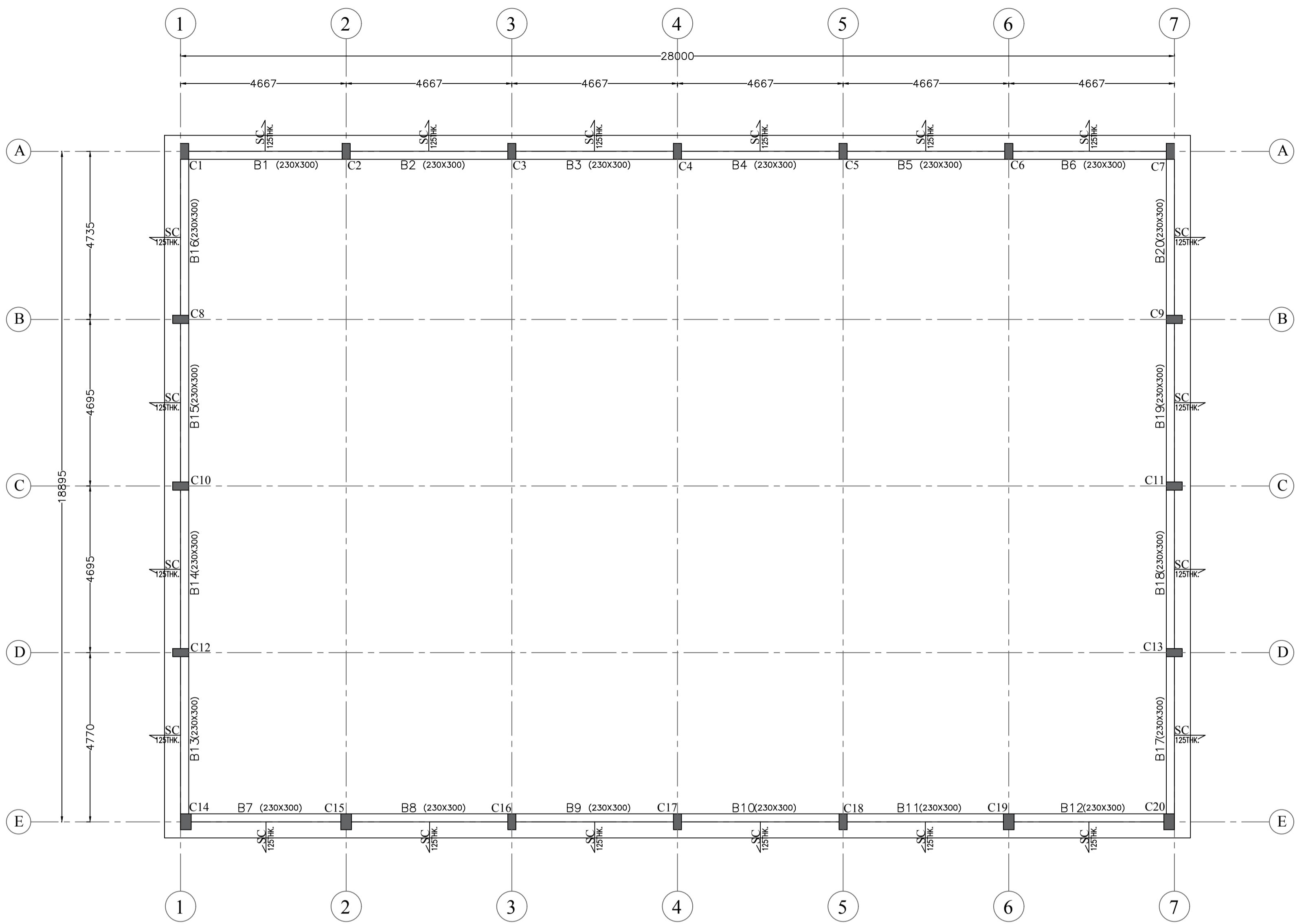
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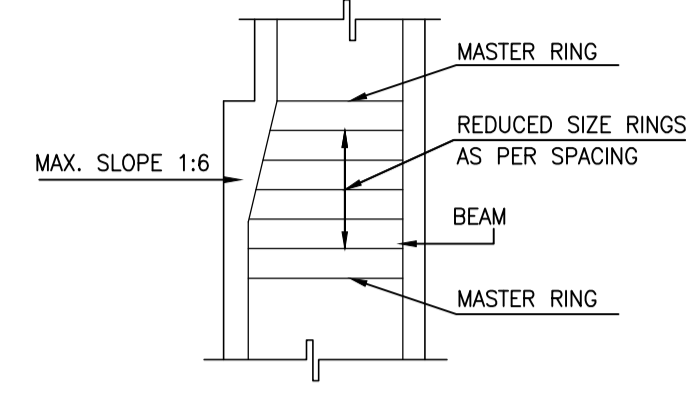
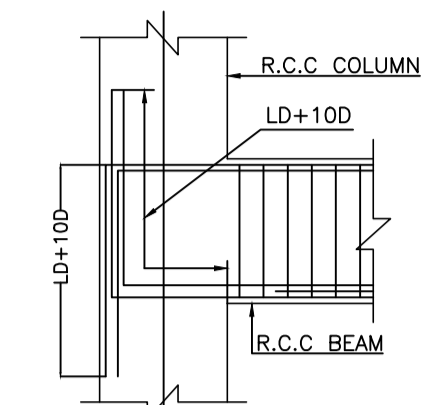
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- BASIC REFERENCE CODE IS 456-2000
- REINFORCEMENT STEEL $F_e=500$ N/mm & FOR MILD STEEL $F_y=250$ N/mm.
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- ALL COLUMNS IN THE FRAME SHOULD BE TIED IN BOTH DIRECTION BY BEAMS AT ALL FLOORS IF THE HEIGHT OF THE COLUMN IS WITHIN THE ALLOWABLE LIMIT
- IF THE COLUMN SIZE IS REDUCING AT ANY LEVEL THEN IT IS NECESSARY TO PROVIDE TIE BEAM IN BOTH DIRECTIONS
- IF FOOTINGS ARE OVERLAPPING THEN INFORM THE SAME TO OUR OFFICE AND GET THE REVISED DETAILS.
- DO NOT CAST ANY R.C.C. MEMBER WITHOUT GETTING OUR WRITTEN APPROVAL
- DESCHUTTERING PERIOD SHOULD NOT BE LESS THAN SPECIFIED BELOW:

MEMBER TYPE	DESCHUTTERING PERIOD
VERTICAL FACES OF COLUMNS, BEAMS AND WALLS	24 HOURS
SLAB SPANNING UPTO 3.5M	7 DAYS
SLAB SPANNING OVER 3.5M	14 DAYS
BEAMS	21 DAYS

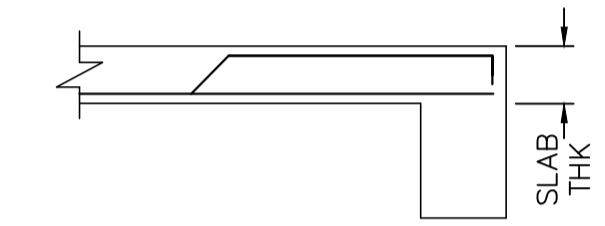
- BEFORE DESHUTTERING CARE SHOULD BE TAKEN TO ASCERTAIN THAN FULL STRENGTH OF CONCRETE IS GAINED AS MENTIONED IN THE DRAWING (i.e. GRADE OF CONCRETE)
- FOR BEAMS HAVING 200MM (8")/230MM (9") WIDTH PROVIDED THREE BARS IN ANY ONE LAYER
- FIRST STIRRUP IN BEAM SHOULD START FROM ITS FACES OF SUPPORT (i.e. FROM FACE OF COLUMN OR BEAM)
- PROVIDE LINKS FOR COLUMNS IN COLUMN AND BEAM JUNCTION $8\phi 100$ MM C/C COMPULSORY.
- ALL STRUCTURAL CONCRETE SHALL BE WEIGHT BATCHED, MACHINE MIXED AND MECHANICALLY VIBRATED AND OF THE SPECIFIED GRADE
- OUR RESPONSIBILITY SHALL REMAIN LIMITED TO SAFE AND SOUND STRUCTURAL DESIGN.
- WHILE WORKING ON SITE ABUTTING TO THE ADJACENT BUILDING SHALL BE DONE PROPERLY BY CONTRACTOR & FOR ANY DAMAGE DUE TO THE SAME WE SHALL NOT BE HELD RESPONSIBLE.
- IF IN DOUBT, "ASK" DO NOT INTERPRETE.
- DO NOT SCALE THE DRAWING.
- ANY DISCREPANCY BETWEEN OUR DRAWING AND ARCHITECTURAL DRAWING SHOULD BE BROUGHT TO OUR OFFICE BEFORE EXECUTION OF WORK OTHERWISE WE WILL NOT BE RESPONSIBLE FOR THE SAME
- WE WILL BE RESPONSIBLE FOR THOSE STRUCTURAL MEMBER WHICH ARE CASTED AS PER OUR DESIGN AND DRAWING. IF ANY MEMBER IS CASTED WITHOUT DRAWING IT WILL BE OWNERS/CONTRACTOR'S BUILDER'S RESPONSIBILITY.
- FORM WORK OF CANTILEVER, CHAJJA, CANOPY etc. SHOULD NOT BE REMOVED WITHOUT OUR PERMISSION.
- WE SHALL NOT REMAIN RESPONSIBLE FOR:CONCRETE MIX, SHUTTERING, SUBSTANDARD CONSTRUCTION MATERIAL, WORKMANSHIP AND FAULTY CONSTRUCTION PROCEDURE.
- PROPER CHAIRS SHOULD BE PROVIDED FOR SLAB/RAFT TO ENSURE SPECIFIED THICKNESS TO RETAIN TOP BARS IN PROPER POSITION ALSO PROVIDE PROPER PINS AND COVERS TO ALL MEMBERS
- IF THERE IS DOUBLE HEIGHT SHUTTERING (i.e. MORE THAN 3300MM (11'-0") THEN THE SHUTTERING AND BRACING IS MUST AND GET IT APPROVED FORM US BEFORE LAYING OF REINFORCEMENT. OTHERWISE WE WILL NOT BE RESPONSIBLE FOR ANY ACCIDENT DUE TO THE SAME
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH RELEVANT DRAWINGS.
- FOR BEAMS IF EXTRA END SUPPORT BAR IS NOT MENTIONED PLEASE PROVIDE 1-12T EXTRA ON TOP OF END SUPPORT
- PROVIDE 150 END HOOKS MINI. [150] FOR SLABS AND BEAMS REINFORCEMENT COMPULSORY
- PLEASE CHECK BEAM FACES WITH RESPECT TO COLUMN FACES AS PER ARCHITECTURAL WORKING DRAWINGS.
- FOR BEAMS IF THERE IS DIFFERENT NUMBER OF BARS OR DIFFERENT DIAMETERS OF BAR ARE GIVEN AT ANY SUPPORT THEN USE HIGHER NUMBER AND HIGHER DIAMETER OF BAR AT THAT PARTICULAR SUPPORT
- WE WILL BE RESPONSIBLE FOR THOSE STRUCTURAL MEMBER WHICH ARE CASTED AS PER OUR DESIGN AND DRAWING. IF ANY MEMBER IS CASTED WITHOUT DRAWING IT WILL BE OWNERS/CONTRACTOR'S BUILDER'S RESPONSIBILITY.



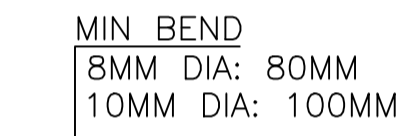
LINTEL LVL. BEAMS & CHAJJA LAYOUT



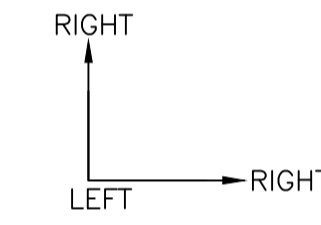
AT ANY LEVEL WHERE COLUMN SIZE GETS REDUCED IN EITHER DIMENSION, BEAM IS ABSOLUTELY ESSENTIAL.



NECESSARY FOR ALL SLABS AT DISCONTINUOUS EDGE

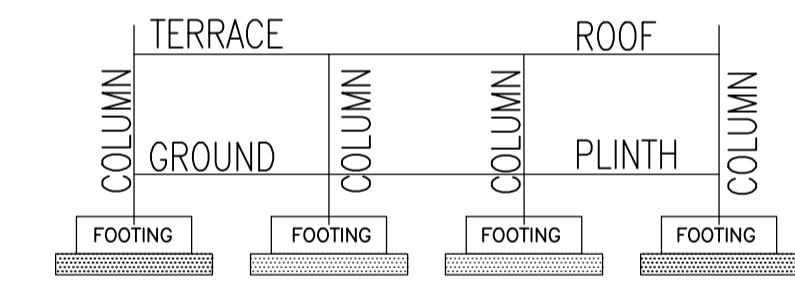


MIN BEND IN STIRRUP



SCHEDULE OF BEAMS:-

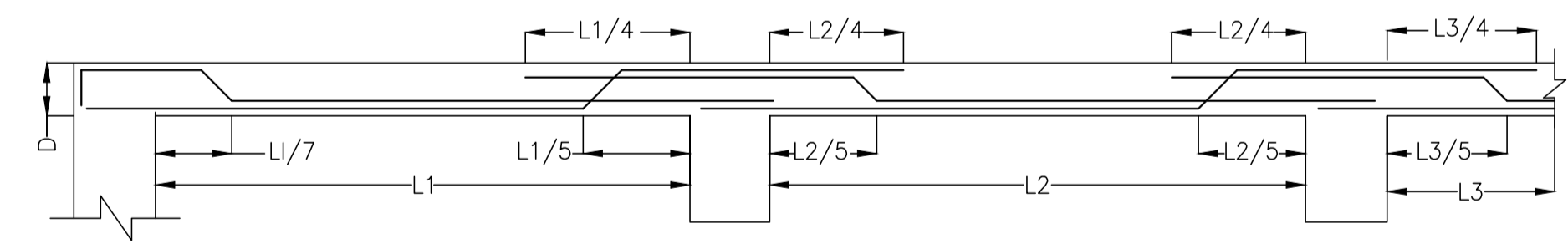
BEAM MKD.	SIZE		REINF.DETAILS AT BOT.		REINF.DETAILS AT TOP			SHEAR STIRRUPS			REMARKS
	B	D	FULL SPAN	CURTAILED AT SPAN L/7	TOP ANCHOR	LEFT	RIGHT	LEFT	MIDSPAN	RIGHT	
B1,B2,B3,B4,B5,B6, B8,B9,B10,B11,B13, B14,B15,B16,B17, B18,B19,B20	230	300	3-12T	----	2-10T	----	----	8T @ 100 C/C	8T @ 200 C/C	8T @ 100 C/C	LINTEL BEAM



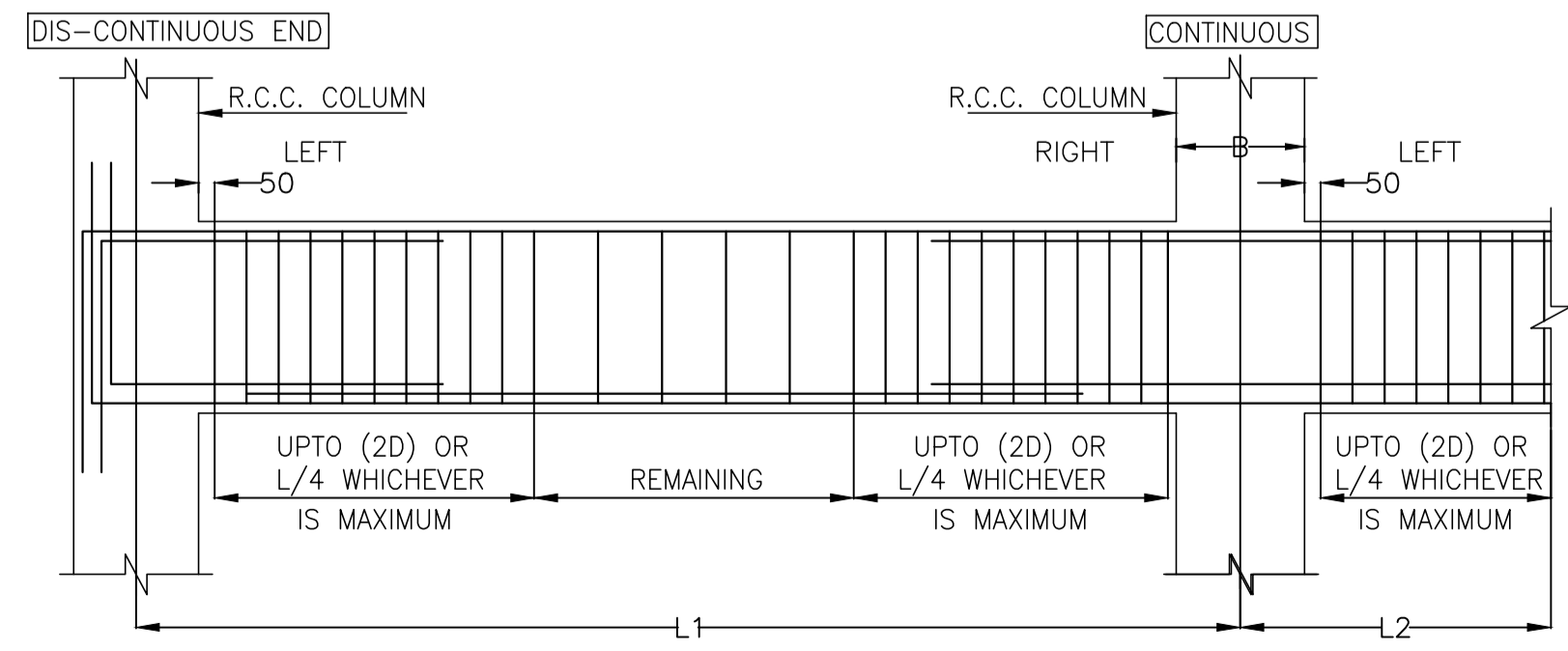
KEY ELEVATION

SLAB SCHEDULE :-

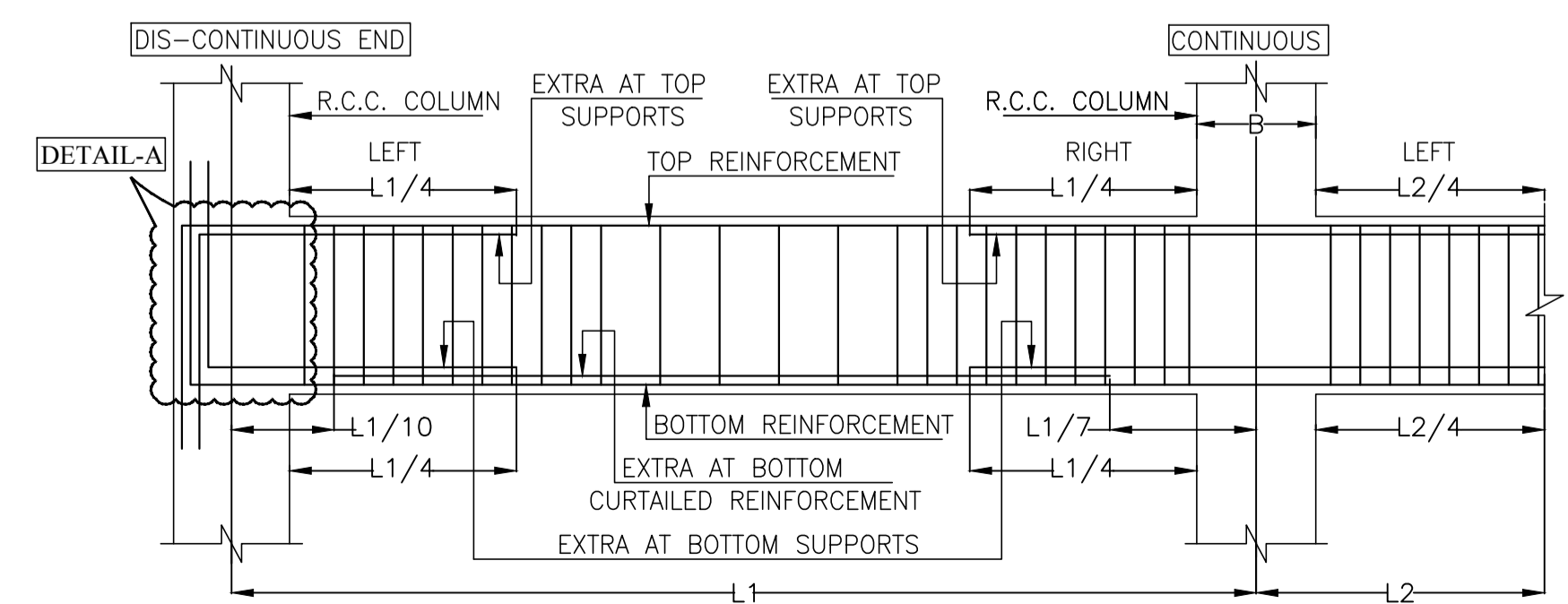
SLAB NOS.	SLAB THK.	MAIN REINFORCEMENT		DISTRIBUTION REINFORCEMENT	SLAB TYPE	REMARK
		ALONG SHORT SPAN	ALONG LONG SPAN			
SC	125	TOP:8T @ 150 C/C BOT.:8T @ 300 C/C	----	DIST.:8T @ 150 C/C DIST.:8T @ 150 C/C	CANTILEVER SLAB	----



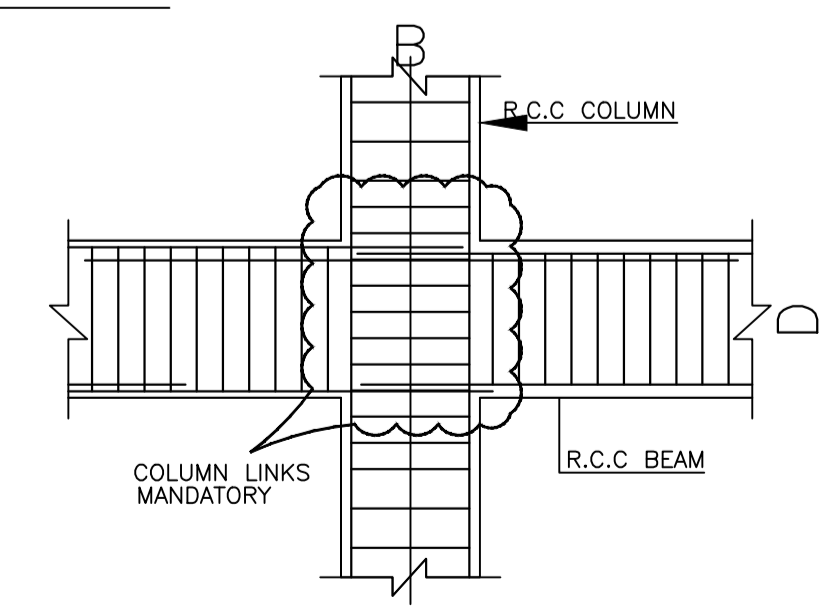
TYPICAL SLAB REINFORCEMENT DETAIL



TYPICAL DETAILS OF BEAM STIRRUPS SPACING



TYPICAL DETAILS OF BEAM CURTAILMENT REINFORCEMENT



COLUMN LINKS @ JUNCTION

NOTES:-

- USE CONCRETE M-25 GRADE AND STEEL FE-500

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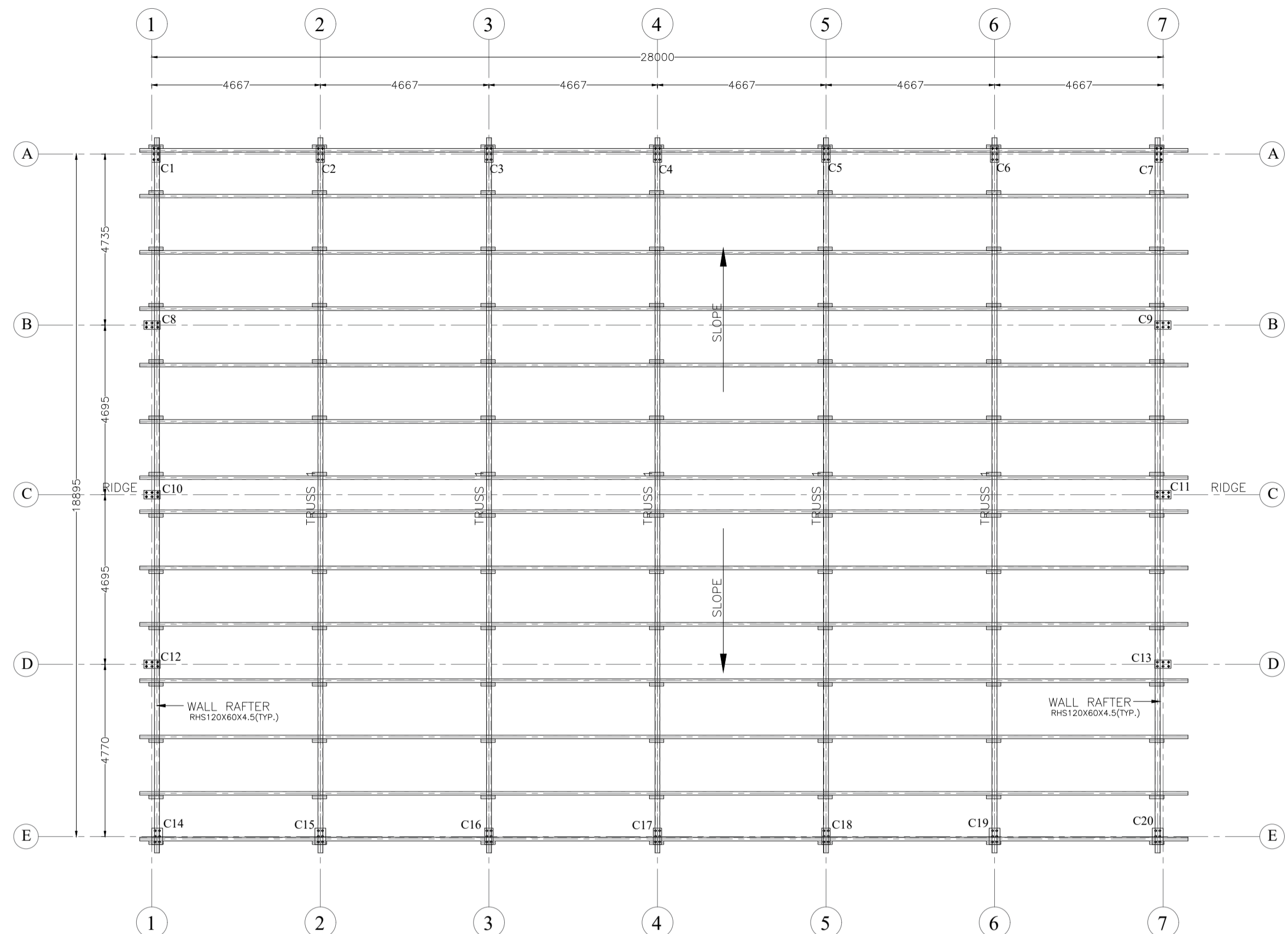
DETAILS OF : S4-LINTEL LVL. BEAMS & CHAJJA LAYOUT

DGN BY : GAGAN DWG NO : 1349

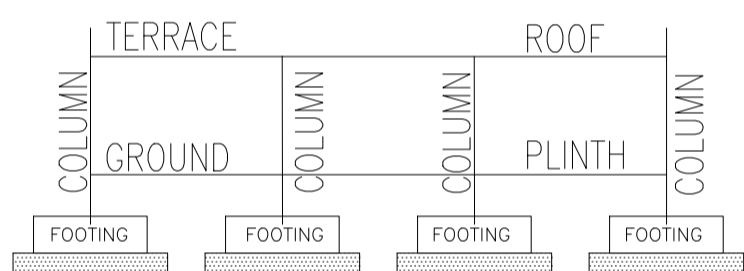
CHD BY : GAGAN DATE : 31.10.2023

GAGAN M. GIRME, B.E. (Civil), M.E. (Structure), A.M.I.E., Ch. Engg. No.-AM 1782331 Mobile-+91-9604076050

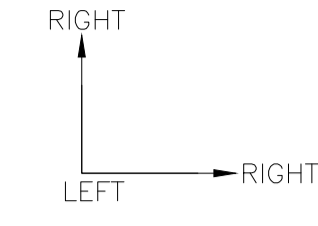




ROOF LVL. BEAMS & TRUSS LAYOUT



KEY ELEVATION

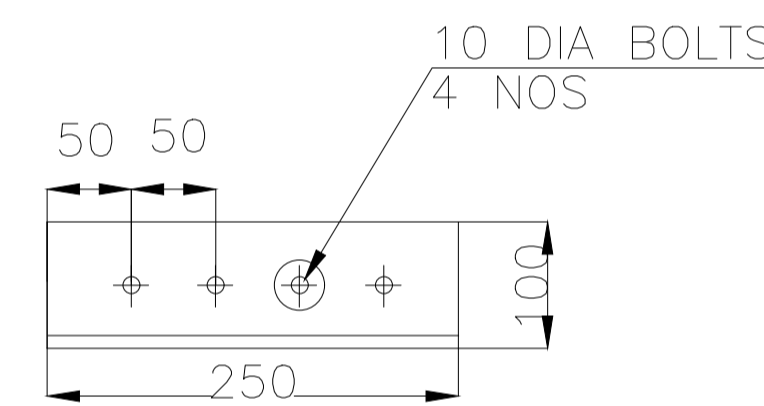


NOTE:-
 1) ALL STRUCTURAL MEMBERS ARE CONNECTED WITH FULL WELD CONSIDERED.
 2) KINDLY CONFIRM THE LENGTH AS PER ACTUAL SITE CONDITION BEFORE CUTTING THE MEMBERS.

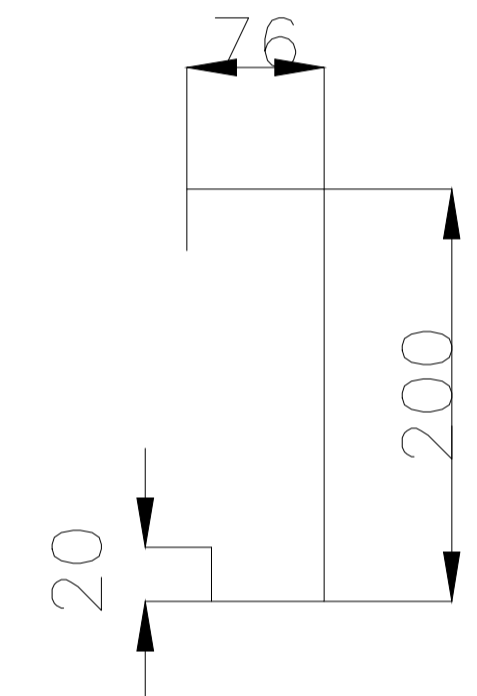
NOTES

- 1) ALL DIMENSIONS ARE IN MM.
- 2) ALL DIMENSIONS SHOULD BE CHECKED BEFORE FABRICATION.
- 3) ALL FABRICATION WORK SHALL CONFIRM TO I.S. 800 1962 AND ELEVANT I.S. CODES AND SPECIFICATIONS.
- 4) ALL WELDING SHALL BE 6MM FILLET WELD CONTINUOUS, UNLESS OTHERWISE NOTED.
- 5) ALL STUCTURAL STEEL WORK SHALL BE CLEANED AS PER I.S. 800 1962 AND ONE COAT OF RED OXIDE PAINT IN SHOP.
- 6) ALL STUCTURAL GUSSET PLATE 6MM THK M.S. PLATE.
- 7) WELDING SHALL CONFIRM TO I.S. 816.
- 8) REFERENCE SHALL BE MADE BY FABRICATION CONTRACTOR TO FOLLOWING I.S. CODES FOR FABRICATION AND ERECTION OF THE STRUCTURE.
 - a) I.S. 800 CODE OF PRACTICE FOR GENERAL CONSTRUCTION IN STEEL.
 - b) I.S. 7205 SAFETY CODE FOR ERECTION OF STRUCTURAL STEEL WORK.

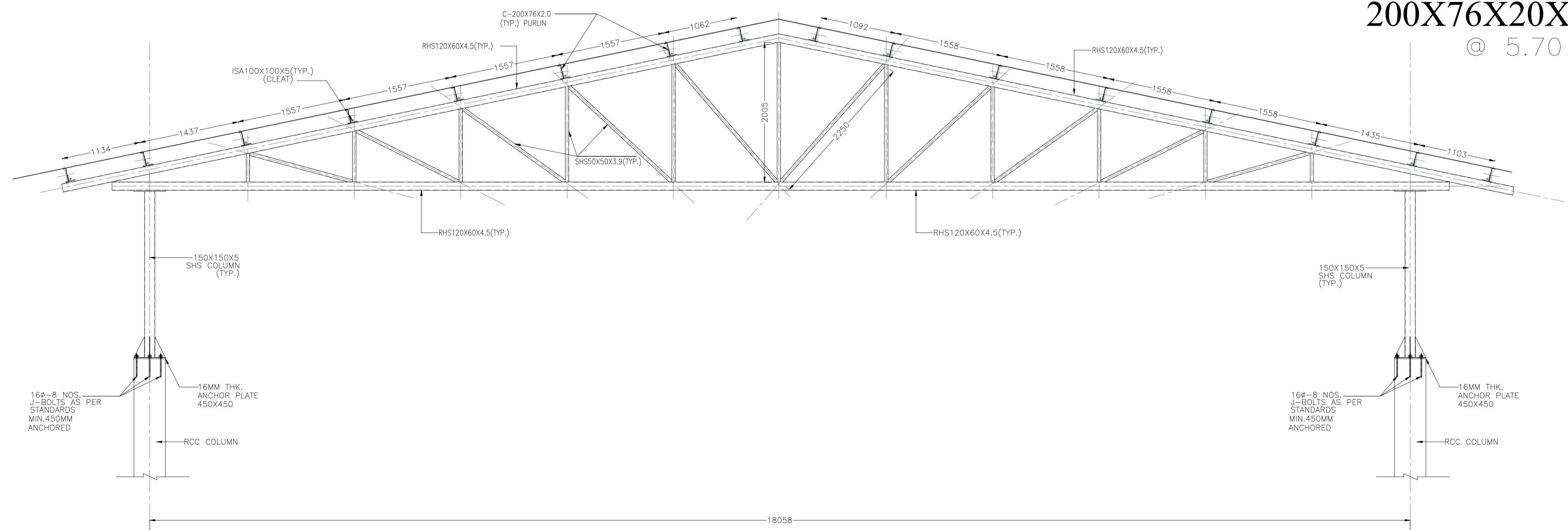
TRUSS PURLIN AND CLEAT1



DETAIL OF CLEAT
ISA 100X100X6



DETAILS OF PURLIN
200X76X20X2 - 19
 @ 5.70 Kg/M



TRUSS 1

1. ORIENTATION OF COLUMN AS PER ARCHITECTURAL CENTER LINE PLAN IF THERE IS ANY DIFFERENCE IN COLUMN ORIENTATION IN R.C.C DRAWING AND CENTER LINE PLAN BRING IT TO THE NOTICE OF STRUCTURAL CONSULTANT BEFORE CASTING OF FOOTING.
2. NOMINAL COVERS FOR REINFORCEMENT:

DESCRIPTION /EXPOSURE	MILD	MODERATE	SEVERE
FOOTING	50	50	50
COLUMNS	40	40	45
BEAMS	30	30	45
SLABS	20	25	40
R.C.C WALLS (LIFT WALL/SHEAR WALL)	40	40	45
3. FOUNDATION UPTO SOIL STRATA, MIN. DEPTH OF EXCAVATION IN STRATA SHOULD BE 1200MM (4'-0")
4. FOUNDATION STRATA SHOULD BE APPROVED FROM OUR OFFICE BEFORE CASTING OF P.C.C. OF FOOTING.
5. BASIC REFERENCE CODE IS 456-2000
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7. CONCRETE MIX M 25 (AS PER MIX DESIGN) AS PER IS 456-2000
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9. FOR CANTILEVER BEAMS TOP REINFORCEMENT TO BE ANCHORED BEHIND FOR 60 X D OR SPAN OF CANTILEVER WHICHEVER IS GREATER.
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DETAILS OF S5-ROOF LVL. BEAMS & TRUSS LAYOUT R

DGN BY GAGAN DWG NO **1349**

CHD BY GAGAN DATE : **31.10.2023**

GAGAN M. GIRME,
 B.E. (Civil), M.E. (Structure),
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 Mobile-+91-9604076050

