

COMPOSTING SHED LAYOUT PLAN

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MM ONLY WRITTEN DIMENSION ARE TO BE FOLLOWED. DIMENSIONS IN STRUCTURAL DRAWING SHOULD NOT BE SCALED.
2. STRUCTURAL DRAWING SHOULD BE READ IN CONNECTION WITH RELEVANT ARCHITECTURAL DRAWING. IN CASE OF DISCREPANCY BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWING SHOULD BE IMMEDIATELY BROUGHT TO NOTICE OF OFFICE OF EXECUTIVE ENGINEER, INDORE - 1, CPWD, INDORE (M.P.).
3. M-20MIX- MIX CONCRETE AND TMT BARS (FE-500D) SHALL BE USED IN CONSTRUCTION.

REINFORCING STEEL

1. ALL REINFORCING STEEL WILL BE OF TESTED QUALITY CONFIRMING TO IS: 1786 LATEST.
2. REFER TO HIGH YIELD STRENGTH DEFORMED BARS WITH CHARACTERISTIC STRENGTH OF 500 N/SQ.MM.
3. THE CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:-

FOUNDATION	50MM
COLUMNS	40MM
RCC WALL	25MM
FLOOR BEAM	30MM
SLABS	20MM*
- * COVER TO SECONDARY REINFORCEMENT ALSO SHALL NOT BE LESS THAN 20MM.
4. BENT UP BARS AT SUPPORT SHALL BE EXTENDED UP TO 0.3L OR L_d (WHICHEVER GREATER) IN ADJACENT SPAN OVER CONTINUOUS SUPPORT. IF EXTRA TOP IS NOT PROVIDED AND ANCHOR DOWN IN END SUPPORT FOR DEVELOPMENT LENGTH OF 50 X DIA. OF BAR MINIMUM.
5. IN SLAB, BENT UP BARS SHALL BE EXTENDED UP TO 0.3L IN ADJACENT SPAN OVER CONTINUOUS SUPPORT.
6. SLAB BARS IN SHORTER DIRECTION SHALL BE BELOW BARS FOR THE LONGER DIRECTION.
7. IN BEAM-COLUMN JUNCTION, ADEQUATE SHEAR STIRRUPS SHALL BE PROVIDED AS PER PROVISIONS OF IS:13920-2016.
8. IN BEAMS, FIRST STIRRUP SHALL BE AT NO MORE THAN 40MM FROM FACE OF THE SUPPORTING MEMBER.
9. IN BEAMS TOP BARS ARE NOT TO BE SPLICED IN THE END QUARTERS OF THE SPAN, AND THE BOTTOM BARS ARE NOT TO BE SPLICED AT MIDDLE HALF OF THE SPAN.
10. TENSION OVERLAP 50 X DIA. & COMPRESSION OVERLAP 40XDIA. OF BAR SHALL BE STAGGERED.
11. STIRRUPS SHALL BE STRICTLY PERPENDICULAR TO THE MAIN AXIS OF BEAM AND CANTILEVER BEAMS TO HAVE HOOK AT BOTTOM.
12. NOT MORE THAN ONE-THIRD OF THE COLUMN BARS SHALL BE LAPPED AT A SECTION.
13. CURTAILMENT, SPLICING OF R/F BARS, DETAILING SPECIFICATION, COMPACTION OF CONCRETE ETC. SHALL BE AS PER IS:456 - 2000, SP34.

PROJECT SPECIFIC

1. THE NET SAFE BEARING CAPACITY IS 200 KN/M². THE FOUNDATIONS SHOULD BE RESTING AT MIN. DEPTH OF 1 M FROM EGL/NGL.

SITE ENGINEERS ARE ADVISED TO VERIFY CONSTRUCTION AT SITE WITH STRUCTURAL DRAWINGS BEFORE EXECUTION FOR DEVIATIONS, STRUCTURAL ENGINEER OR ON BEHALF WILL NOT BE RESPONSIBLE.

REVISION	DATE	CHANGE

SIGN OF VETTING AUTHORITY	SIGN OF STRUCTURAL CONSULTANT
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PROJECT: MATERIAL RECOVERY FACILITY & RECYCLING UNIT AT SHIRWAL, TEHSIL- KHANDALA DIST SATARA, (M.H.)



CONSULTANT
TEKNO ENGINEERING CONSULTANTS
 Structural Design Solutions
 Add:- Opposite Jhulelal Statue, Canal Road, Amlidih Square, New Rajendra Nagar, Raipur- 492001
 Email us at:- teknostructures2016@gmail.com
 Mob.No. - [M] 8871738000, [O] 0771-4063800

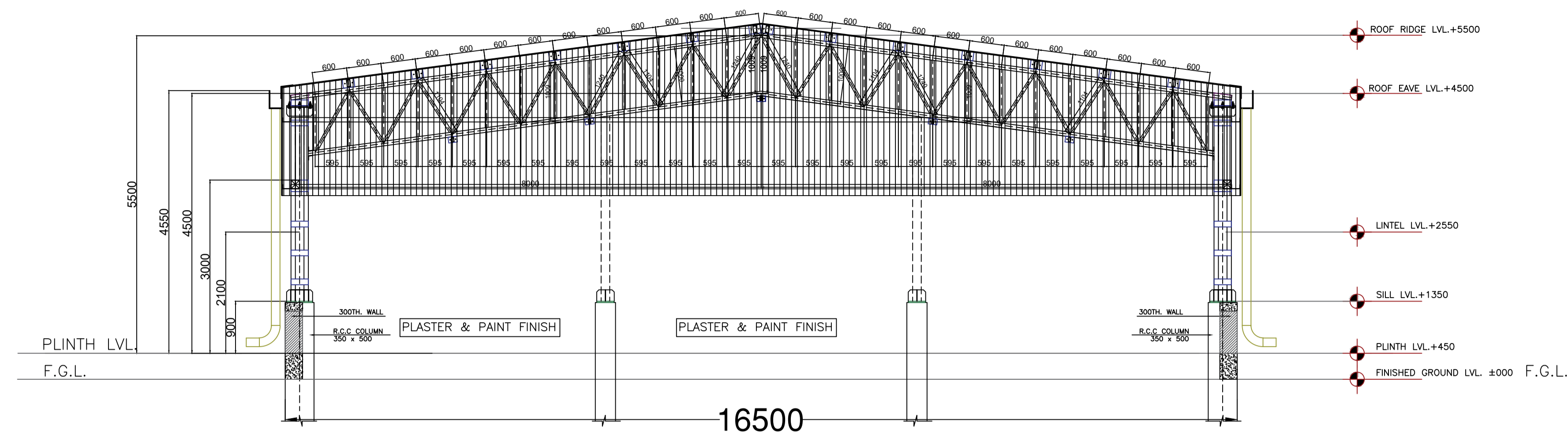
DWG.TITLE:
**SHED LAYOUT PLAN OF
 COMPOSTING SHED**

DRAWN RUPESH	DESIGN SARVOTTAM
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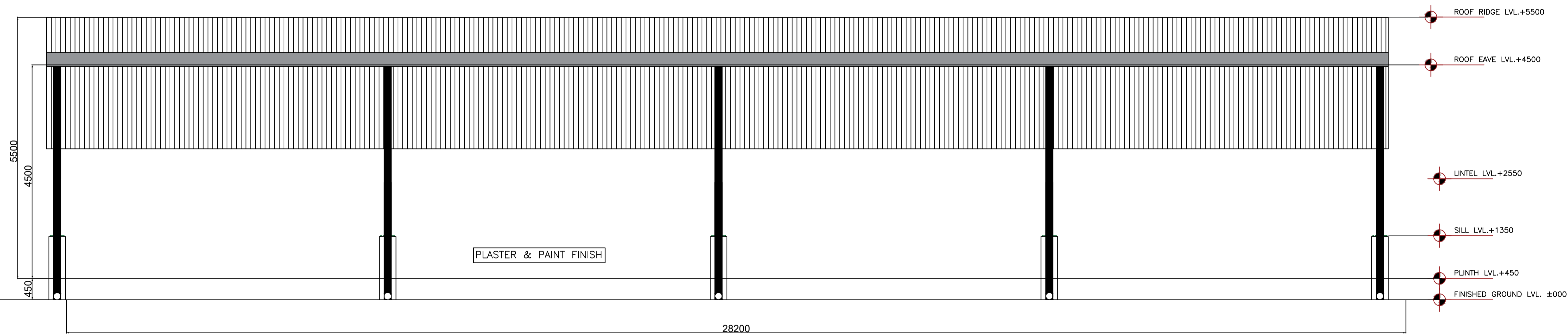
SCALE N.T.S.	REVISION R0
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CHECKED SARVOTTAM	DATE :- 22-JULY-2024
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DWG. NO.
TEC/CEE/CS/ST-01



FRONT ELEVATION



RIGHT SIDE ELEVATION

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PROJECT: MATERIAL RECOVERY FACILITY & RECYCLING UNIT AT SHIRWAL, TEHSIL- KHANDALA DIST SATARA, (M.H.)

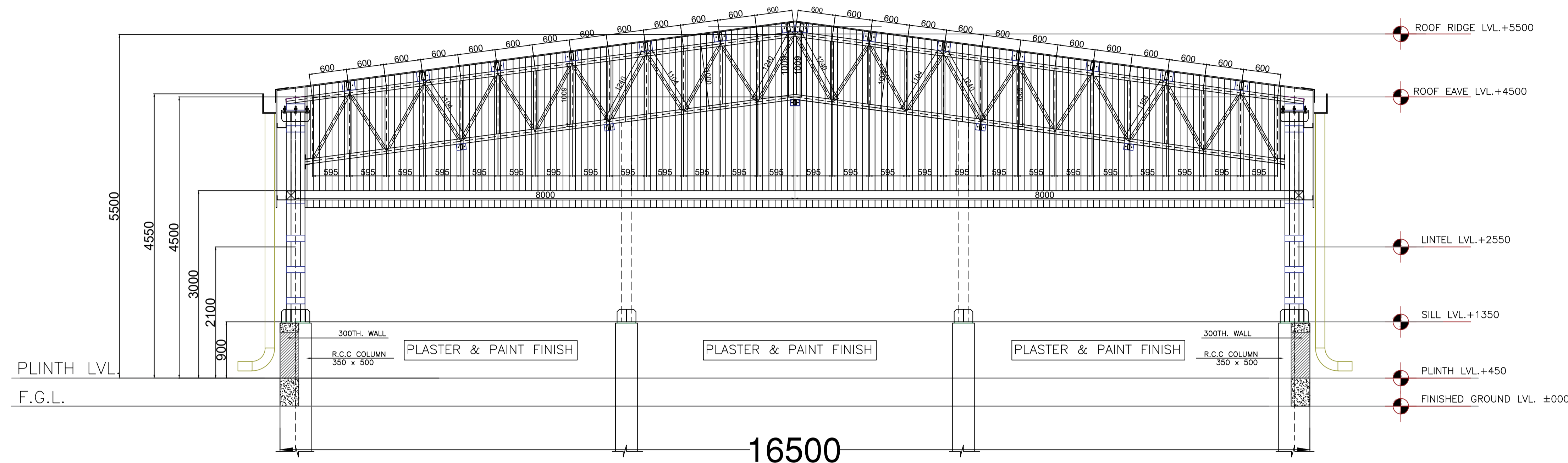


CONSULTANT
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 Add:- Opposite Jhulelal Statue, Canal Road, Amlidih Square, New Rajendra Nagar, Raipur- 492001
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DWG.TITLE:
ELEVATION & DETAIL OF CO SHED

DRAWN: **RUPESH**
 DESIGN: **SARVOTTAM**

SCALE: N.T.S.
 REVISION: R0
 DWG. NO.: TEC/CEE/CS/ST-02
 CHECKED: **SARVOTTAM**
 DATE :- **22-JULY-2024**



SECTION VIEW 1-1

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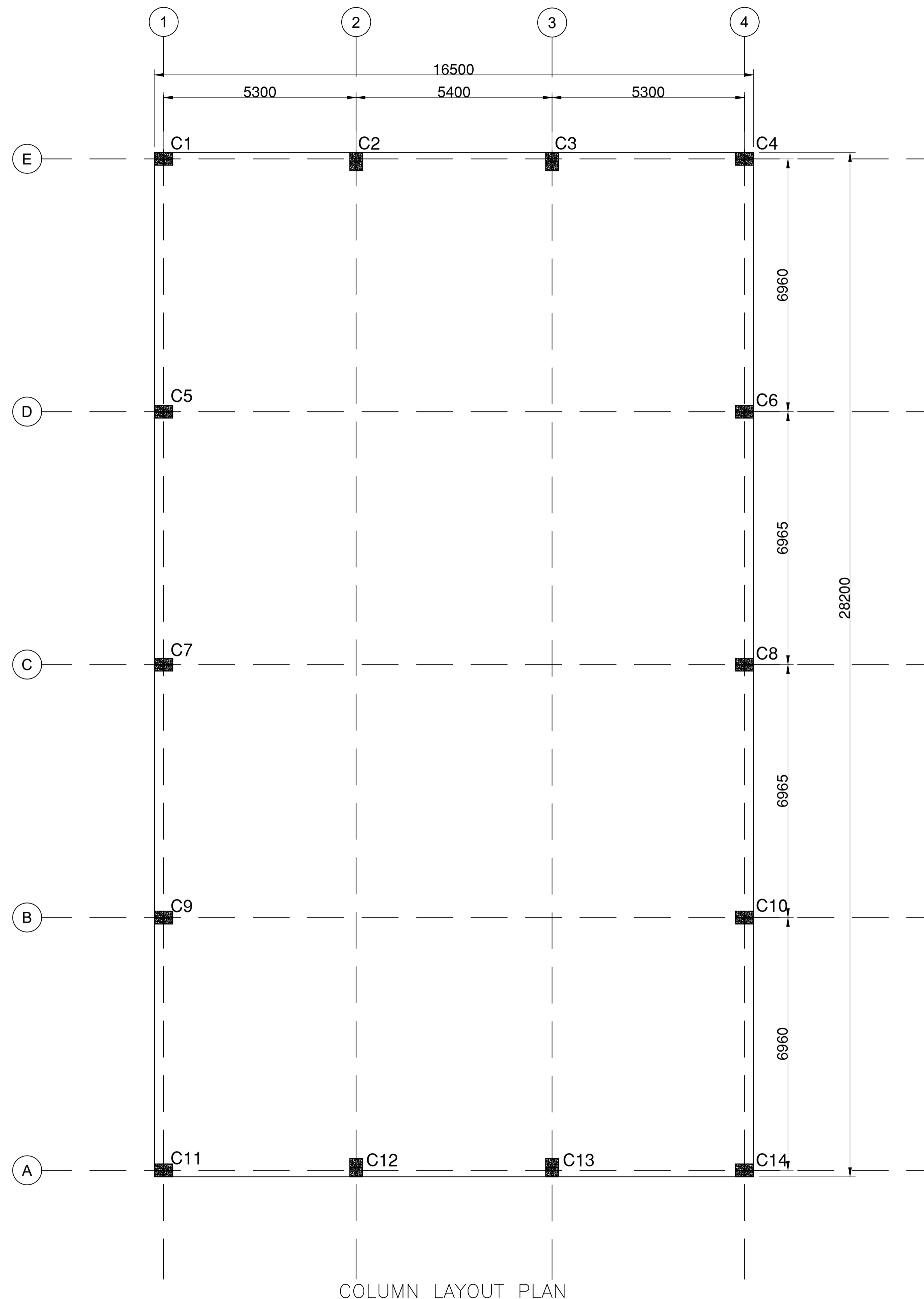
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DWG.TITLE:
SECTION DETAILS A-A

DRAWN: **RUPESH**

DESIGN: **SARVOTTAM**

SCALE N.T.S.	REVISION R0	DWG. NO. TEC/CEE/CS/ST-03
CHECKED SARVOTTAM	DATE :- 22-JULY-2024	



COLUMN LAYOUT PLAN

COLUMN SCHEDULE

	M20 : Fe500 , COVER = 40mm	M20 : Fe500 , COVER = 40mm
	LINKS T8 @ 150	LINKS T8 @ 150
	6-T16 + 8-T12	4-T16 + 10-T12
COLUMN MARKED	C1,C4,C5,C6,C7,C8,C9,C10,C11,C14	C2,C3,C12,C13

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CLIENT: **CEE**
Centre for Environment Education

CONSULTANT
TEKNO ENGINEERING CONSULTANTS
Structural Design Solutions

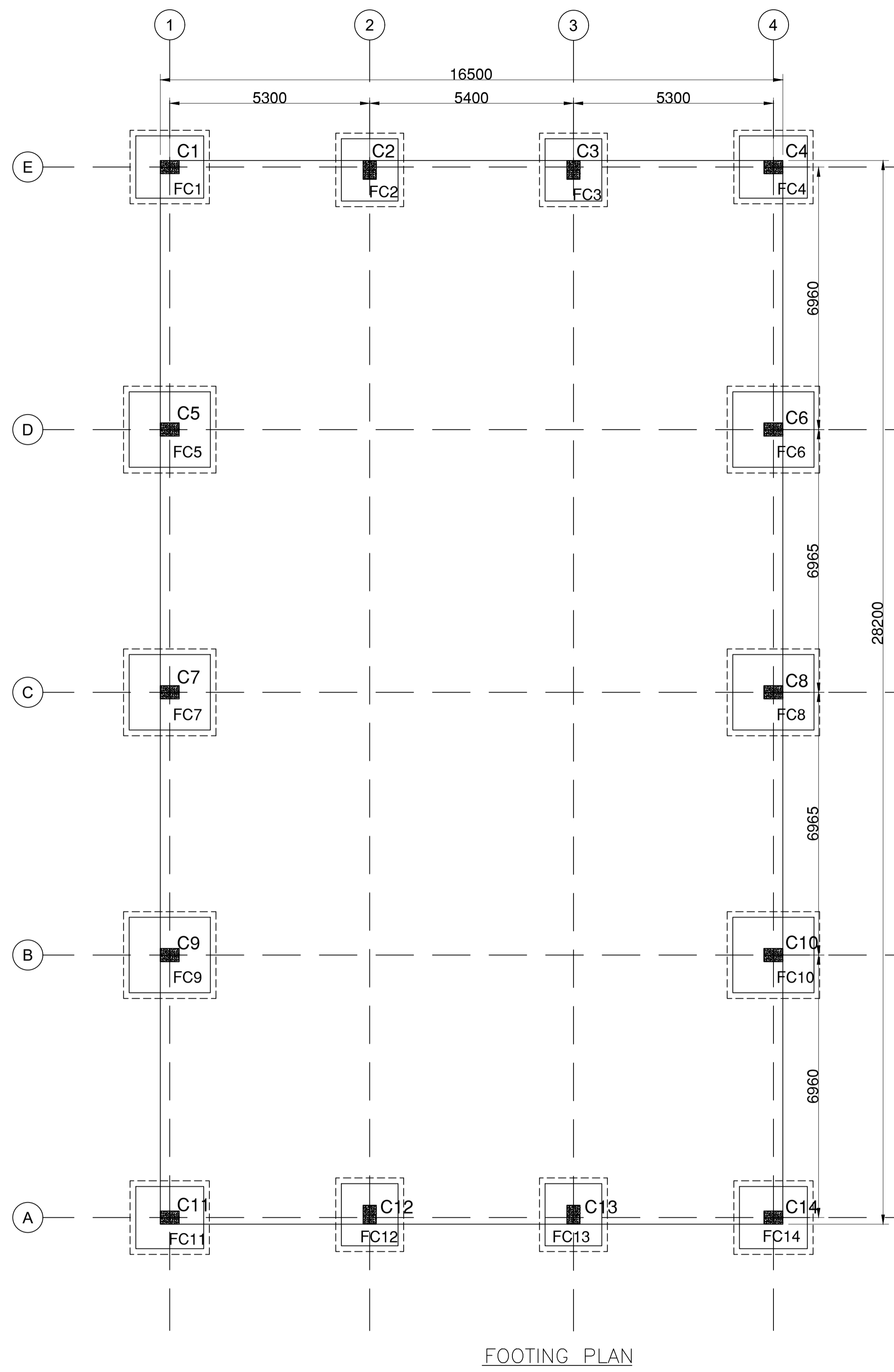
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DWG.TITLE:
COLUMN LAYOUT PLAN & COLUMN DETAILS

DRAWN RUPESH	DESIGN SARVOTTAM
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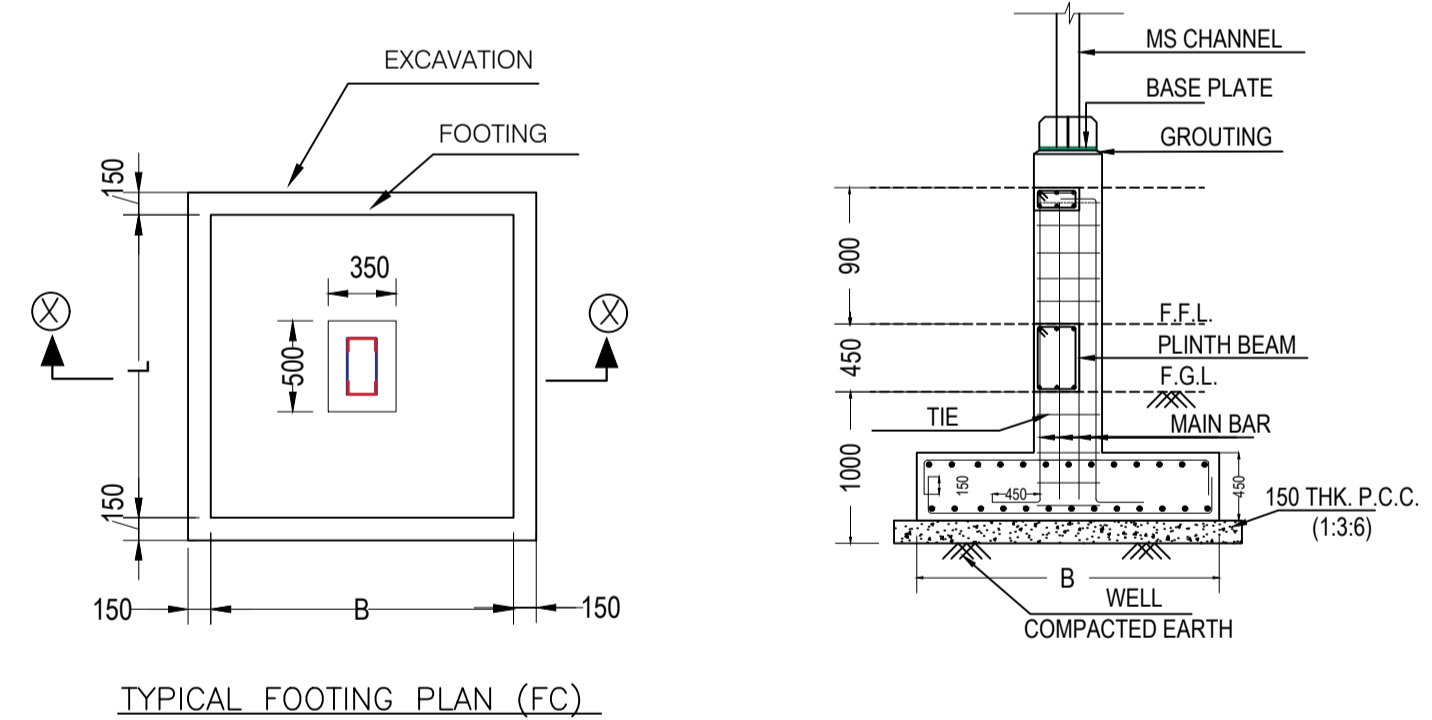
SCALE N.T.S.	REVISION R0
CHECKED SARVOTTAM	DATE :- 22-JULY-2024

DWG. NO.
TEC/CEE/CS/ST-04



FOOTING SCHEDULE (M20:Fe500) S.B.C.(200 KN/SQM)

FOOTING NUMBERS	COLUMN NUMBERS	FOOTING TYPE	FOOTING DIMENSION			FOOTING REINFORCEMENT			
			L	B	D	BOTTOM		TOP	
						ALONG B	ALONG L	ALONG B	ALONG L
FC1	C1	Pad	1800	1650	450	T10@150 C/C	T10@150 C/C	T10@300 C/C	T10@300 C/C
FC2	C2	Pad	1650	1500	450	T10@150 C/C	T10@150 C/C	T10@300 C/C	T10@300 C/C
FC3	C3	Pad	1650	1500	450	T10@150 C/C	T10@150 C/C	T10@300 C/C	T10@300 C/C
FC4	C4	Pad	1800	1650	450	T10@150 C/C	T10@150 C/C	T10@300 C/C	T10@300 C/C
FC5	C5	Pad	2100	2000	450	T10@150 C/C	T10@150 C/C	T10@300 C/C	T10@300 C/C
FC6	C6	Pad	2100	2000	450	T10@150 C/C	T10@150 C/C	T10@300 C/C	T10@300 C/C
FC7	C7	Pad	2100	2000	450	T10@150 C/C	T10@150 C/C	T10@300 C/C	T10@300 C/C
FC8	C8	Pad	2100	2000	450	T10@150 C/C	T10@150 C/C	T10@300 C/C	T10@300 C/C
FC9	C9	Pad	2100	2000	450	T10@150 C/C	T10@150 C/C	T10@300 C/C	T10@300 C/C
FC10	C10	Pad	2100	2000	450	T10@150 C/C	T10@150 C/C	T10@300 C/C	T10@300 C/C
FC11	C11	Pad	1800	1650	450	T10@150 C/C	T10@150 C/C	T10@300 C/C	T10@300 C/C
FC12	C12	Pad	1650	1500	450	T10@150 C/C	T10@150 C/C	T10@300 C/C	T10@300 C/C
FC13	C13	Pad	1650	1500	450	T10@150 C/C	T10@150 C/C	T10@300 C/C	T10@300 C/C
FC14	C14	Pad	1800	1650	450	T10@150 C/C	T10@150 C/C	T10@300 C/C	T10@300 C/C



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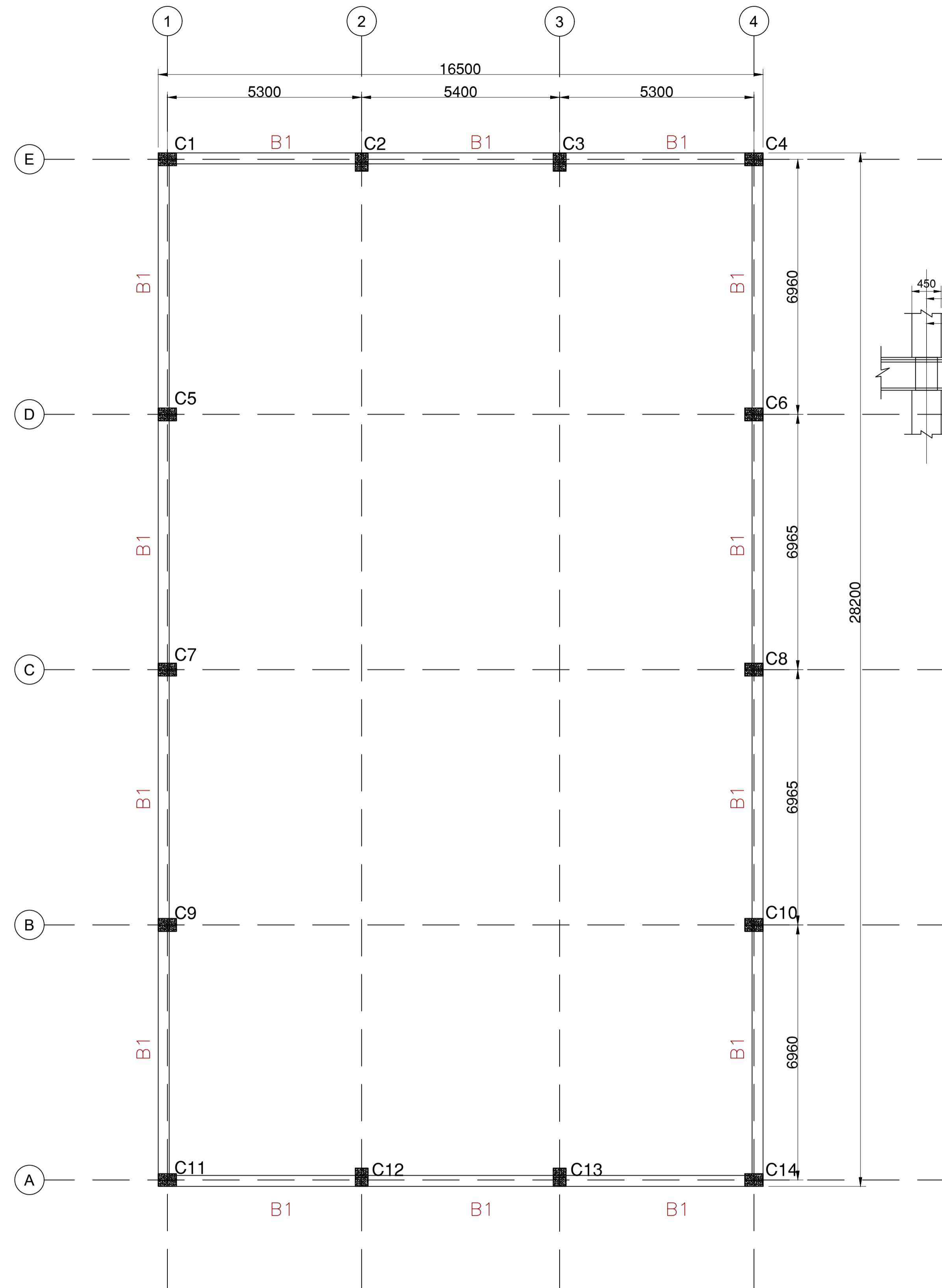
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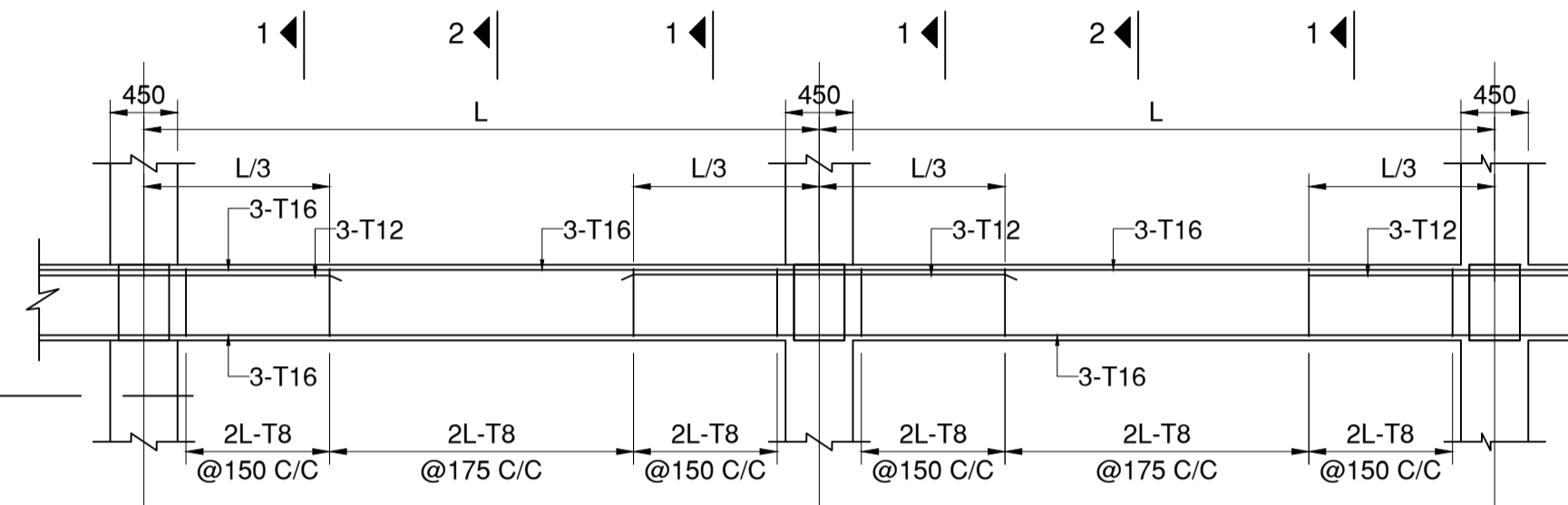
DWG.TITLE:
FOOTING PLAN & FOOTING DETAILS

DRAWN: **RUPESH**
DESIGN: **SARVOTTAM**

SCALE: N.T.S.	REVISION: R0	DWG. NO.: TEC/CEE/CS/ST-05
CHECKED: SARVOTTAM	DATE :- 22-JULY-2024	

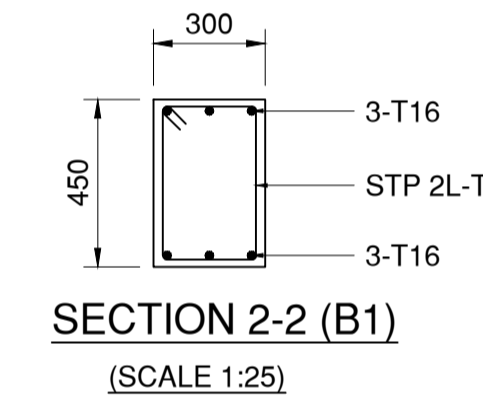
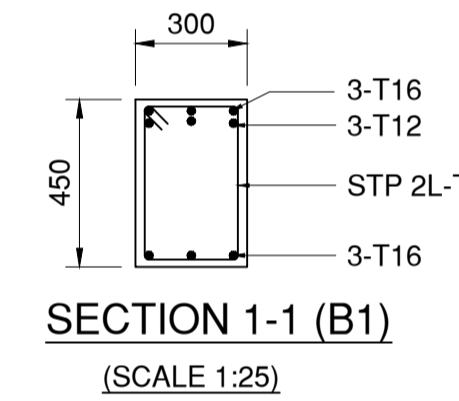


PLINTH BEAM PLAN +0.45 M LVL.



B1:300x450

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4. BENT UP BARS AT SUPPORT SHALL BE EXTENDED UP TO 0.3L OR L_d (WHICHEVER GREATER) IN ADJACENT SPAN OVER CONTINUOUS SUPPORT, IF EXTRA TOP IS NOT PROVIDED AND ANCHOR DOWN IN END SUPPORT FOR DEVELOPMENT LENGTH OF 50 X DIA. OF BAR MINIMUM.
5. IN SLAB, BENT UP BARS SHALL BE EXTENDED UP TO 0.3L IN ADJACENT SPAN OVER CONTINUOUS SUPPORT.
6. SLAB BARS IN SHORTER DIRECTION SHALL BE BELOW BARS FOR THE LONGER DIRECTION.
7. IN BEAM-COLUMN JUNCTION, ADEQUATE SHEAR STIRRUPS SHALL BE PROVIDED AS PER PROVISIONS OF IS:13920-2016.
8. IN BEAMS, FIRST STIRRUP SHALL BE AT NO MORE THAN 40MM FROM FACE OF THE SUPPORTING MEMBER.
9. IN BEAMS TOP BARS ARE NOT TO BE SPLICED IN THE END QUARTERS OF THE SPAN, AND THE BOTTOM BARS ARE NOT TO BE SPLICED AT MIDDLE HALF OF THE SPAN.
10. TENSION OVERLAP 50 X DIA. & COMPRESSION OVERLAP 40XDIA. OF BAR SHALL BE STAGGERED.
11. STIRRUPS SHALL BE STRICTLY PERPENDICULAR TO THE MAIN AXIS OF BEAM AND CANTILEVER BEAMS TO HAVE HOOK AT BOTTOM.
12. NOT MORE THAN ONE-THIRD OF THE COLUMN BARS SHALL BE LAPPED AT A SECTION.
13. CURTAILMENT, SPLICING OF R/F BARS, DETAILING SPECIFICATION, COMPACTION OF CONCRETE ETC. SHALL BE AS PER IS:456 - 2000, SP34.

PROJECT SPECIFIC

1. THE NET SAFE BEARING CAPACITY IS 200 KN/M². THE FOUNDATIONS SHOULD BE RESTING AT MIN. DEPTH OF 1 M FROM EGL/NGL.

SITE ENGINEERS ARE ADVISED TO VERIFY CONSTRUCTION AT SITE WITH STRUCTURAL DRAWINGS BEFORE EXECUTION FOR DEVIATIONS, STRUCTURAL ENGINEER OR ON BEHALF WILL NOT BE RESPONSIBLE.

REVISION	DATE	CHANGE

SIGN OF VETTING AUTHORITY	SIGN OF STRUCTURAL CONSULTANT

PROJECT: MATERIAL RECOVERY FACILITY & RECYCLING UNIT AT SHIRWAL, TEHSIL- KHANDALA DIST SATARA, (M.H.)

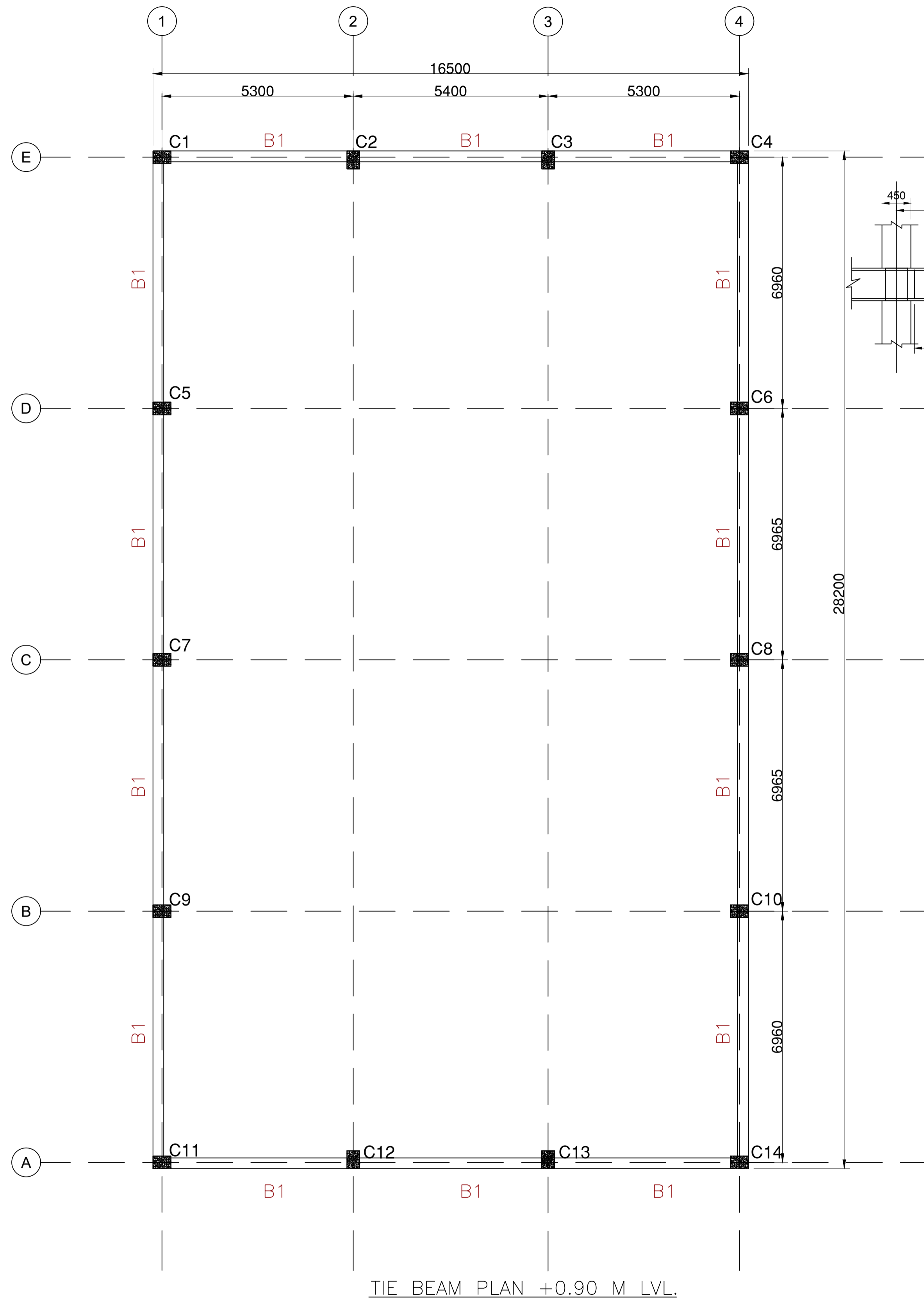


CONSULTANT
TEKNO ENGINEERING CONSULTANTS
 Structural Design Solutions
 Add:- Opposite Jhulelal Statue, Canal Road, Amlidih Square, New Rajendra Nagar, Raipur- 492001
 Email us at:- teknostructures2016@gmail.com
 Mob.No.- [M] 8871738000, [O] 0771-4063800

DWG. TITLE:
PLINTH BEAM PLAN & DETAIL OF COMPOSTING SHED SHED

DRAWN	DESIGN
RUPESH	SARVOTTAM

SCALE	REVISION	DWG. NO.
N.T.S.	R0	TEC/CEE/CS/ST-06
CHECKED	DATE :-	
SARVOTTAM	22-JULY-2024	



GENERAL NOTES

1. ALL DIMENSIONS ARE IN MM ONLY WRITTEN DIMENSION ARE TO BE FOLLOWED. DIMENSIONS IN STRUCTURAL DRAWING SHOULD NOT BE SCALED.
2. STRUCTURAL DRAWING SHOULD BE READ IN CONNECTION WITH RELEVANT ARCHITECTURAL DRAWING, IN CASE OF DISCREPANCY BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWING SHOULD BE IMMEDIATELY BROUGHT TO NOTICE OF OFFICE OF EXECUTIVE ENGINEER, INDORE - 1, CPWD, INDORE (M.P.).
3. M-20MIX- MIX CONCRETE AND TMT BARS (FE-500D) SHALL BE USED IN CONSTRUCTION.

REINFORCING STEEL

1. ALL REINFORCING STEEL WILL BE OF TESTED QUALITY CONFIRMING TO IS: 1786 LATEST.
2. REFER TO HIGH YIELD STRENGTH DEFORMED BARS WITH CHARACTERISTIC STRENGTH OF 500 N/SQ.MM.
3. THE CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:-

FOUNDATION	50MM
COLUMNS	40MM
RCC WALL	25MM
FLOOR BEAM	30MM
SLABS	20MM*
- * COVER TO SECONDARY REINFORCEMENT ALSO SHALL NOT BE LESS THAN 20MM.
4. BENT UP BARS AT SUPPORT SHALL BE EXTENDED UP TO 0.3L OR L_d (WHICHEVER GREATER) IN ADJACENT SPAN OVER CONTINUOUS SUPPORT, IF EXTRA TOP IS NOT PROVIDED AND ANCHOR DOWN IN END SUPPORT FOR DEVELOPMENT LENGTH OF 50 X DIA. OF BAR MINIMUM.
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6. SLAB BARS IN SHORTER DIRECTION SHALL BE BELOW BARS FOR THE LONGER DIRECTION.
7. IN BEAM-COLUMN JUNCTION, ADEQUATE SHEAR STIRRUPS SHALL BE PROVIDED AS PER PROVISIONS OF IS:13920-2016.
8. IN BEAMS, FIRST STIRRUP SHALL BE AT NO MORE THAN 40MM FROM FACE OF THE SUPPORTING MEMBER.
9. IN BEAMS TOP BARS ARE NOT TO BE SPLICED IN THE END QUARTERS OF THE SPAN, AND THE BOTTOM BARS ARE NOT TO BE SPLICED AT MIDDLE HALF OF THE SPAN.
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13. CURTAILMENT, SPLICING OF R/F BARS, DETAILING SPECIFICATION, COMPACTION OF CONCRETE ETC. SHALL BE AS PER IS:456 - 2000, SP34.

PROJECT SPECIFIC

1. THE NET SAFE BEARING CAPACITY IS 200 KN/MF. THE FOUNDATIONS SHOULD BE RESTING AT MIN. DEPTH OF 1 M FROM EGL/NGL.

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REVISION	DATE	CHANGE

SIGN OF VERIFYING AUTHORITY	SIGN OF STRUCTURAL CONSULTANT

PROJECT: MATERIAL RECOVERY FACILITY & RECYCLING UNIT AT SHIRWAL, TEHSIL- KHANDALA DIST SATARA, (M.H.)

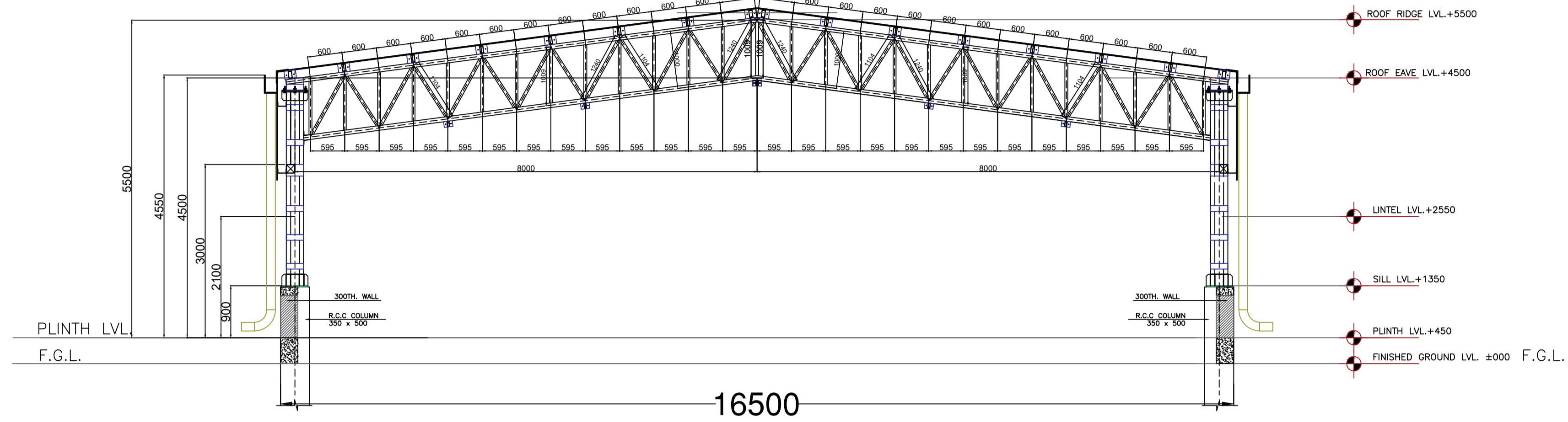


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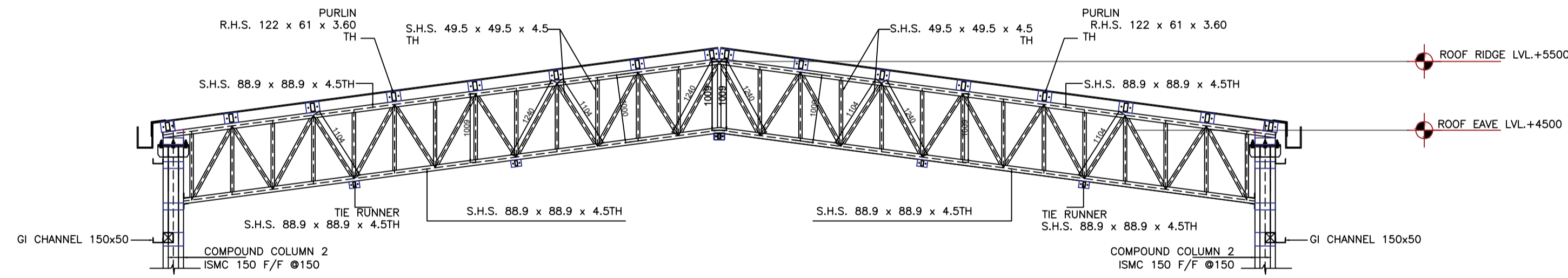
DWG.TITLE:
TIE BEAM PLAN & DETAILS
+0.90 M LVL.

DRAWN	DESIGN
RUPESH	SARVOTTAM

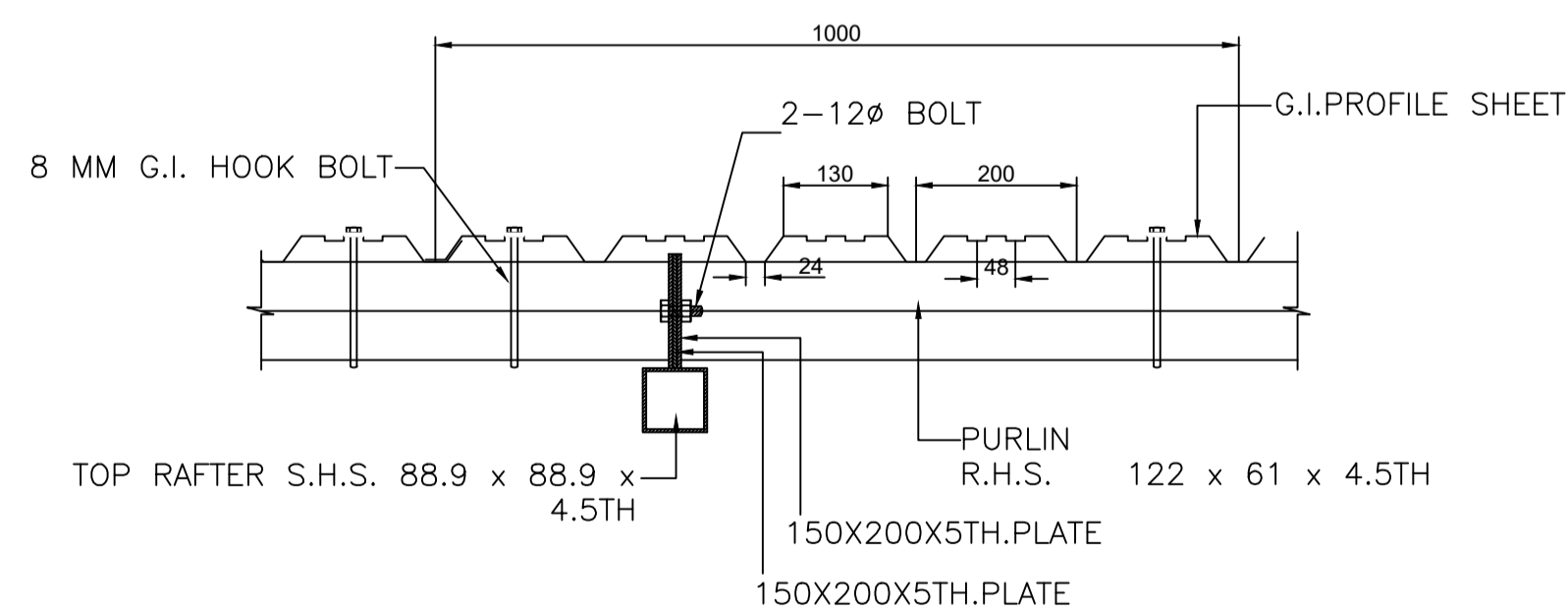
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N.T.S.	R0	TEC/CEE/CS/ST-07
CHECKED	DATE :-	
SARVOTTAM	22-JULY-2024	



TRUSS DETAILS TRUSS-T01



TRUSS DETAILS TRUSS-T01



TYPICAL DETAILS OF SHEET PERLINE & RAFTER CONNECTION

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MM ONLY WRITTEN DIMENSION ARE TO BE FOLLOWED. DIMENSIONS IN STRUCTURAL DRAWING SHOULD NOT BE SCALED.
2. STRUCTURAL DRAWING SHOULD BE READ IN CONNECTION WITH RELEVANT ARCHITECTURAL DRAWING. IN CASE OF DISCREPANCY BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWING SHOULD BE IMMEDIATELY BROUGHT TO NOTICE OF OFFICE OF EXECUTIVE ENGINEER, INDORE - 1, CPWD, INDORE (M.P.).
3. M-20MIX- MIX CONCRETE AND TMT BARS (FE-500D) SHALL BE USED IN CONSTRUCTION.

REINFORCING STEEL

1. ALL REINFORCING STEEL WILL BE OF TESTED QUALITY CONFIRMING TO IS: 1786 LATEST.
2. REFER TO HIGH YIELD STRENGTH DEFORMED BARS WITH CHARACTERISTIC STRENGTH OF 500 N/SQ.MM.
3. THE CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:-

FOUNDATION	50MM
COLUMNS	40MM
RCC WALL	25MM
FLOOR BEAM	30MM
SLABS	20MM*
- * COVER TO SECONDARY REINFORCEMENT ALSO SHALL NOT BE LESS THAN 20MM.
4. BENT UP BARS AT SUPPORT SHALL BE EXTENDED UP TO 0.3L OR L_d (WHICHEVER GREATER) IN ADJACENT SPAN OVER CONTINUOUS SUPPORT. IF EXTRA TOP IS NOT PROVIDED AND ANCHOR DOWN IN END SUPPORT FOR DEVELOPMENT LENGTH OF 50 X DIA. OF BAR MINIMUM.
5. IN SLAB, BENT UP BARS SHALL BE EXTENDED UP TO 0.3L IN ADJACENT SPAN OVER CONTINUOUS SUPPORT.
6. SLAB BARS IN SHORTER DIRECTION SHALL BE BELOW BARS FOR THE LONGER DIRECTION.
7. IN BEAM-COLUMN JUNCTION, ADEQUATE SHEAR STIRRUPS SHALL BE PROVIDED AS PER PROVISIONS OF IS:13920-2016.
8. IN BEAMS, FIRST STIRRUP SHALL BE AT NO MORE THAN 40MM FROM FACE OF THE SUPPORTING MEMBER.
9. IN BEAMS TOP BARS ARE NOT TO BE SPLICED IN THE END QUARTERS OF THE SPAN, AND THE BOTTOM BARS ARE NOT TO BE SPLICED AT MIDDLE HALF OF THE SPAN.
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13. CURTAILMENT, SPLICING OF R/F BARS, DETAILING SPECIFICATION, COMPACTION OF CONCRETE ETC. SHALL BE AS PER IS:456 - 2000, SP34.

PROJECT SPECIFIC

1. THE NET SAFE BEARING CAPACITY IS 200 KN/M². THE FOUNDATIONS SHOULD BE RESTING AT MIN. DEPTH OF 1 M FROM EGL/NGL.

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REVISION	DATE	CHANGE

SIGN OF VETTING AUTHORITY	SIGN OF STRUCTURAL CONSULTANT

PROJECT: MATERIAL RECOVERY FACILITY & RECYCLING UNIT AT SHIRWAL, TEHSIL- KHANDALA DIST SATARA, (M.H.)

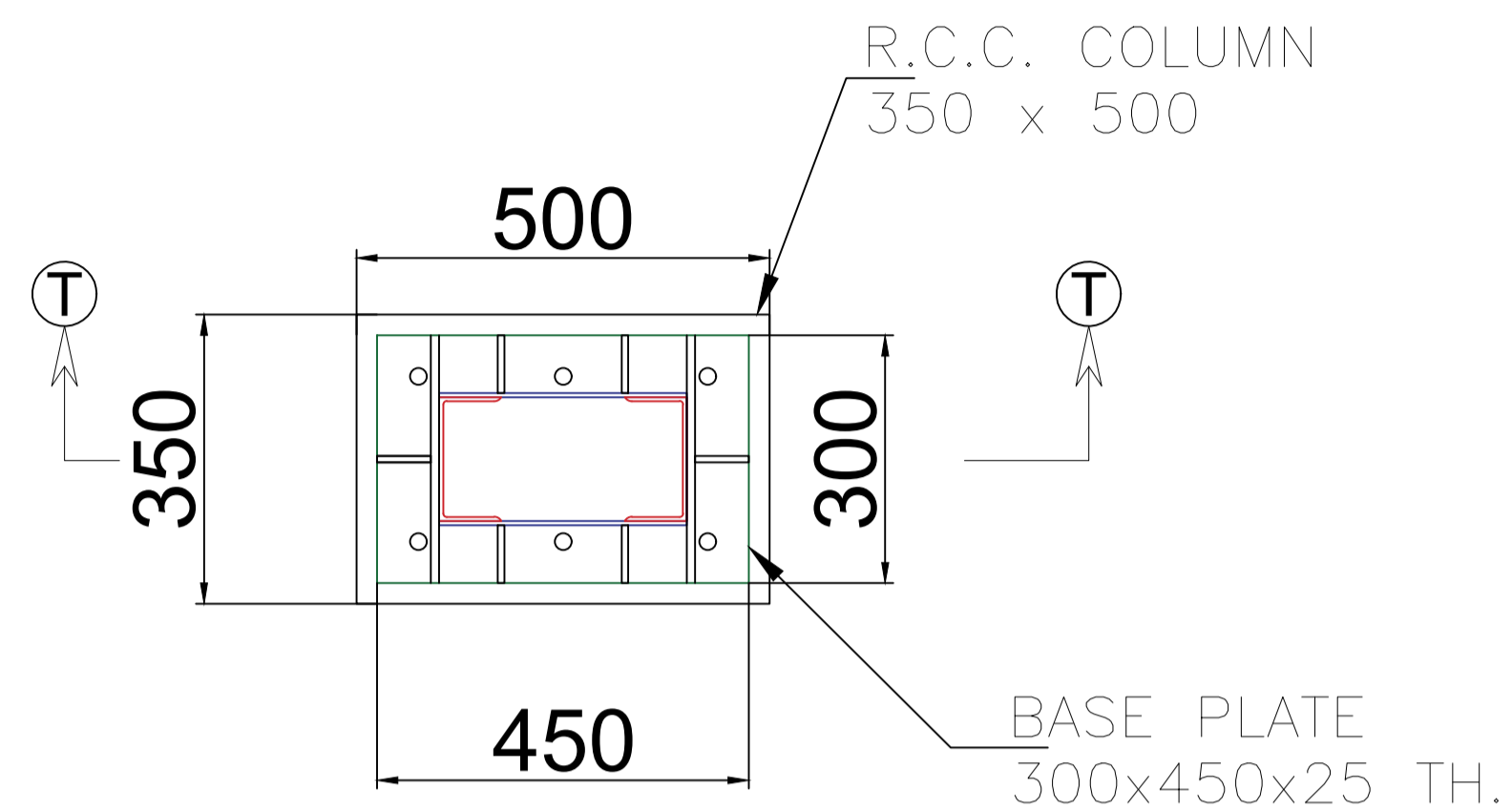


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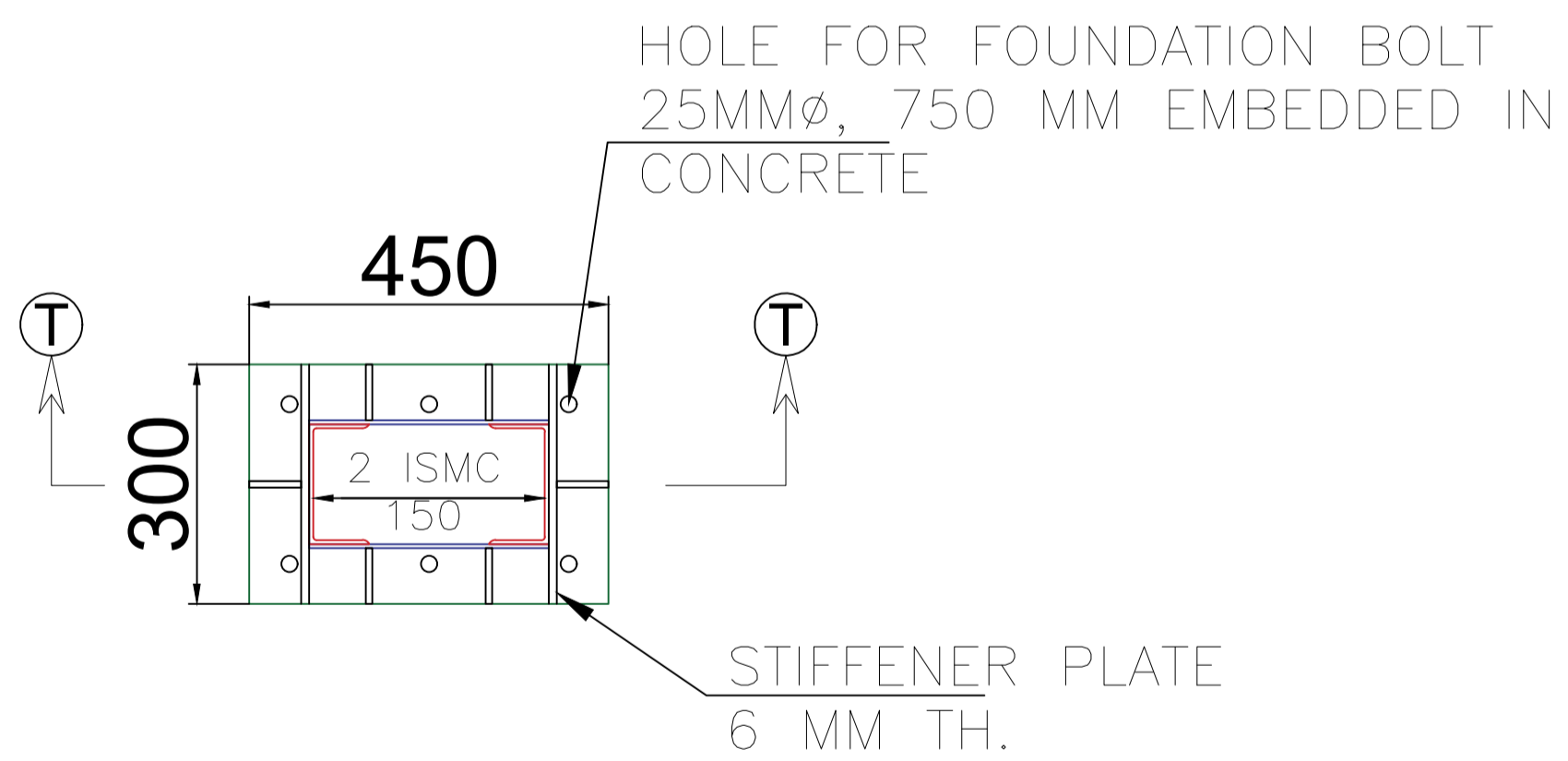
DWG. TITLE: TRUSS DETAILS
 DRAWN: RUPESH
 DESIGN: SARVOTTAM

SCALE: N.T.S.
 REVISION: R0
 CHECKED: SARVOTTAM

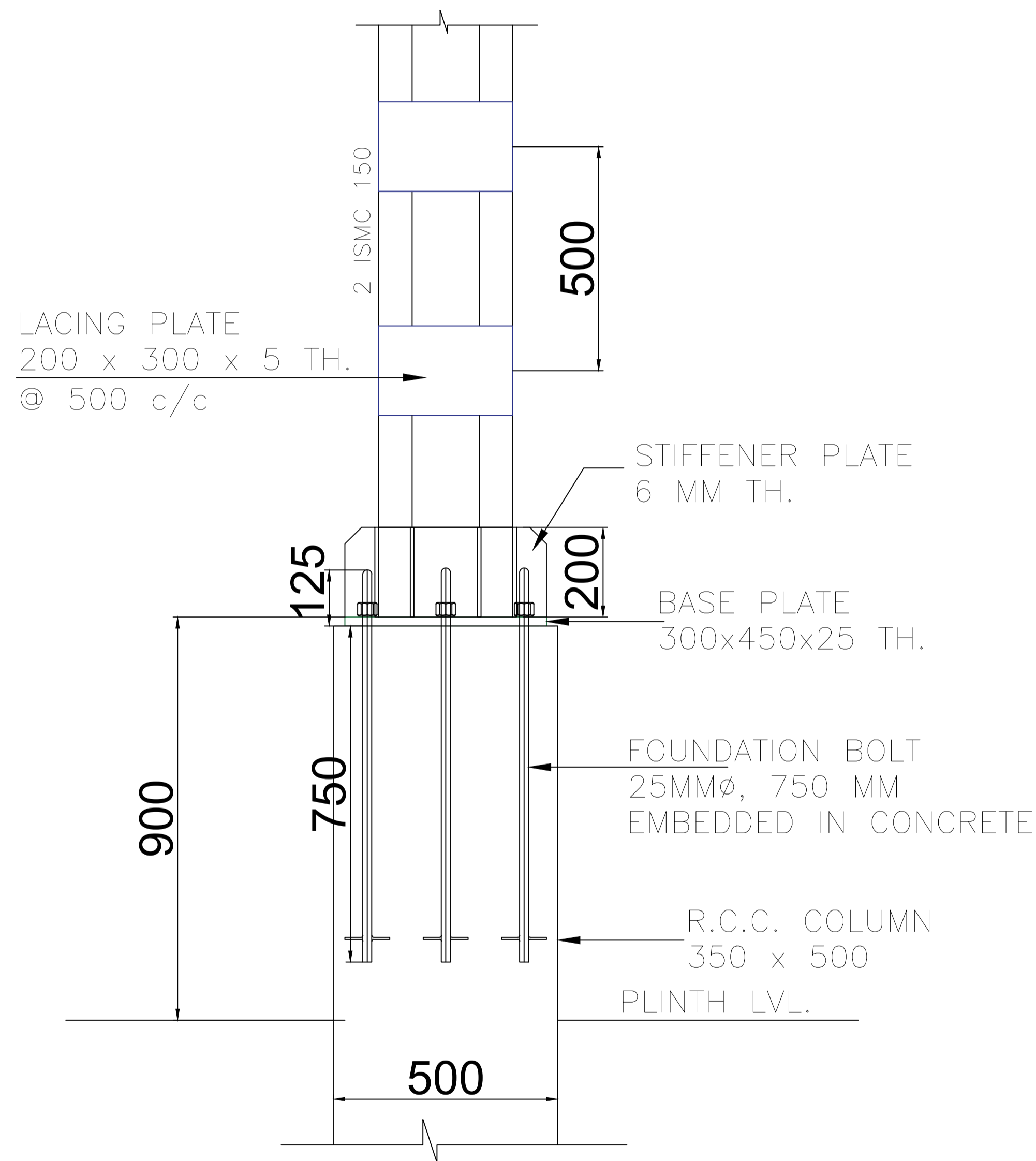
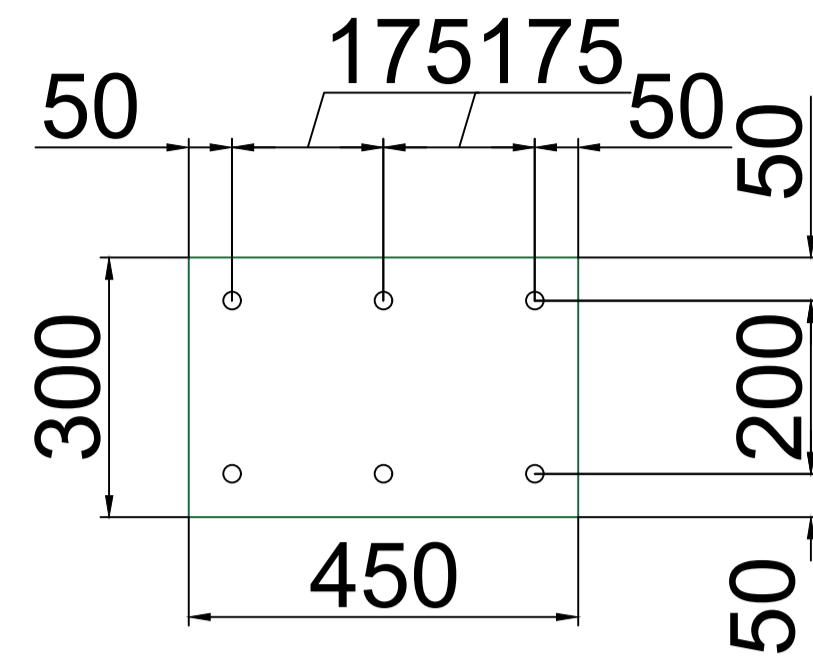
DWG. NO. TEC/CEE/CS/ST-08
 DATE :- 22-JULY-2024



COLUMN BASE PLATE LVL. PLAN



COLUMN BASE PLATE DETAILS



SECTION DETAILS T-T

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MM ONLY WRITTEN DIMENSION ARE TO BE FOLLOWED. DIMENSIONS IN STRUCTURAL DRAWING SHOULD NOT BE SCALED.
2. STRUCTURAL DRAWING SHOULD BE READ IN CONNECTION WITH RELEVANT ARCHITECTURAL DRAWING, IN CASE OF DISCREPANCY BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWING SHOULD BE IMMEDIATELY BROUGHT TO NOTICE OF OFFICE OF EXECUTIVE ENGINEER, INDORE - I, CPWD, INDORE (M.P.).
3. M-20MIX- MIX CONCRETE AND TMT BARS (FE-500D) SHALL BE USED IN CONSTRUCTION.

REINFORCING STEEL

1. ALL REINFORCING STEEL WILL BE OF TESTED QUALITY CONFIRMING TO IS: 1786 LATEST.
2. REFER TO HIGH YIELD STRENGTH DEFORMED BARS WITH CHARACTERISTIC STRENGTH OF 500 N/SQ.MM.
3. THE CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:-

FOUNDATION	50MM
COLUMNS	40MM
RCC WALL	25MM
FLOOR BEAM	30MM
SLABS	20MM*
- * COVER TO SECONDARY REINFORCEMENT ALSO SHALL NOT BE LESS THAN 20MM.
4. BENT UP BARS AT SUPPORT SHALL BE EXTENDED UP TO 0.3L OR L_d (WHICHEVER GREATER) IN ADJACENT SPAN OVER CONTINUOUS SUPPORT, IF EXTRA TOP IS NOT PROVIDED AND ANCHOR DOWN IN END SUPPORT FOR DEVELOPMENT LENGTH OF 50 X DIA. OF BAR MINIMUM.
5. IN SLAB, BENT UP BARS SHALL BE EXTENDED UP TO 0.3L IN ADJACENT SPAN OVER CONTINUOUS SUPPORT.
6. SLAB BARS IN SHORTER DIRECTION SHALL BE BELOW BARS FOR THE LONGER DIRECTION.
7. IN BEAM-COLUMN JUNCTION, ADEQUATE SHEAR STIRRUPS SHALL BE PROVIDED AS PER PROVISIONS OF IS:13920-2016.
8. IN BEAMS, FIRST STIRRUP SHALL BE AT NO MORE THAN 40MM FROM FACE OF THE SUPPORTING MEMBER.
9. IN BEAMS TOP BARS ARE NOT TO BE SPLICED IN THE END QUARTERS OF THE SPAN, AND THE BOTTOM BARS ARE NOT TO BE SPLICED AT MIDDLE HALF OF THE SPAN.
10. TENSION OVERLAP 50 X DIA. & COMPRESSION OVERLAP 40XDIA. OF BAR SHALL BE STAGGERED.
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13. CURTAILMENT, SPLICING OF R/F BARS, DETAILING SPECIFICATION, COMPACTION OF CONCRETE ETC. SHALL BE AS PER IS:456 - 2000, SP34.

PROJECT SPECIFIC

1. THE NET SAFE BEARING CAPACITY IS 200 KN/M². THE FOUNDATIONS SHOULD BE RESTING AT MIN. DEPTH OF 1 M FROM EGL/NGL.

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REVISION	DATE	CHANGE

SIGN OF VETTING AUTHORITY SIGN OF STRUCTURAL CONSULTANT

PROJECT: MATERIAL RECOVERY FACILITY & RECYCLING UNIT AT SHIRWAL, TEHSIL- KHANDALA DIST SATARA, (M.H.)



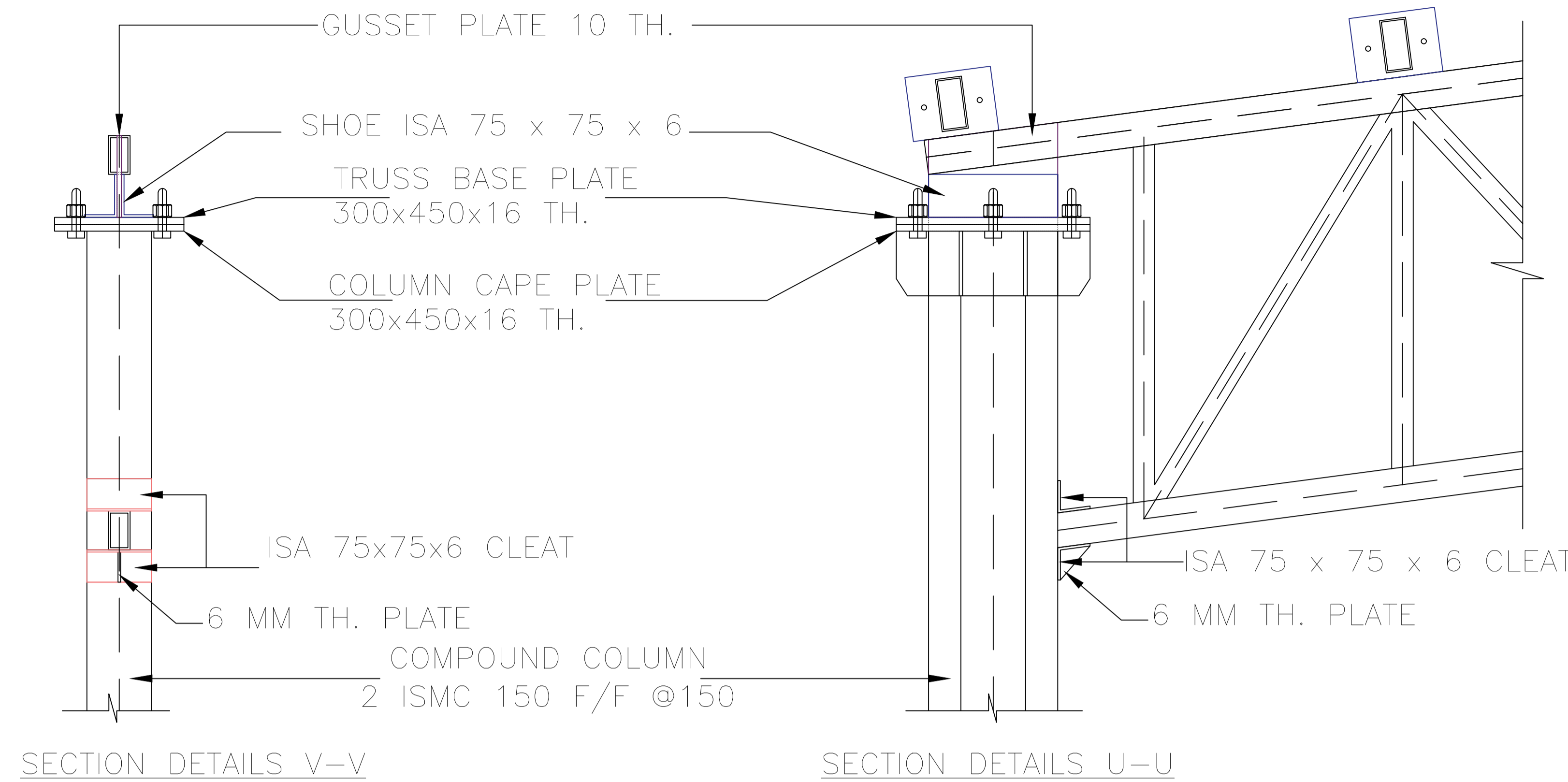
CONSULTANT
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 Add:- Opposite Jhulelal Statue, Canal Road, Amlidih Square, New Rajendra Nagar, Raipur- 492001
 Email us at:- teknostructures2016@gmail.com
 Mob.No.- [M] 8871738000, [O] 0771-4063800

DWG.TITLE: COLUMN BASE PLATE LVL. DETAILS

DRAWN: RUPESH DESIGN: SARVOTTAM

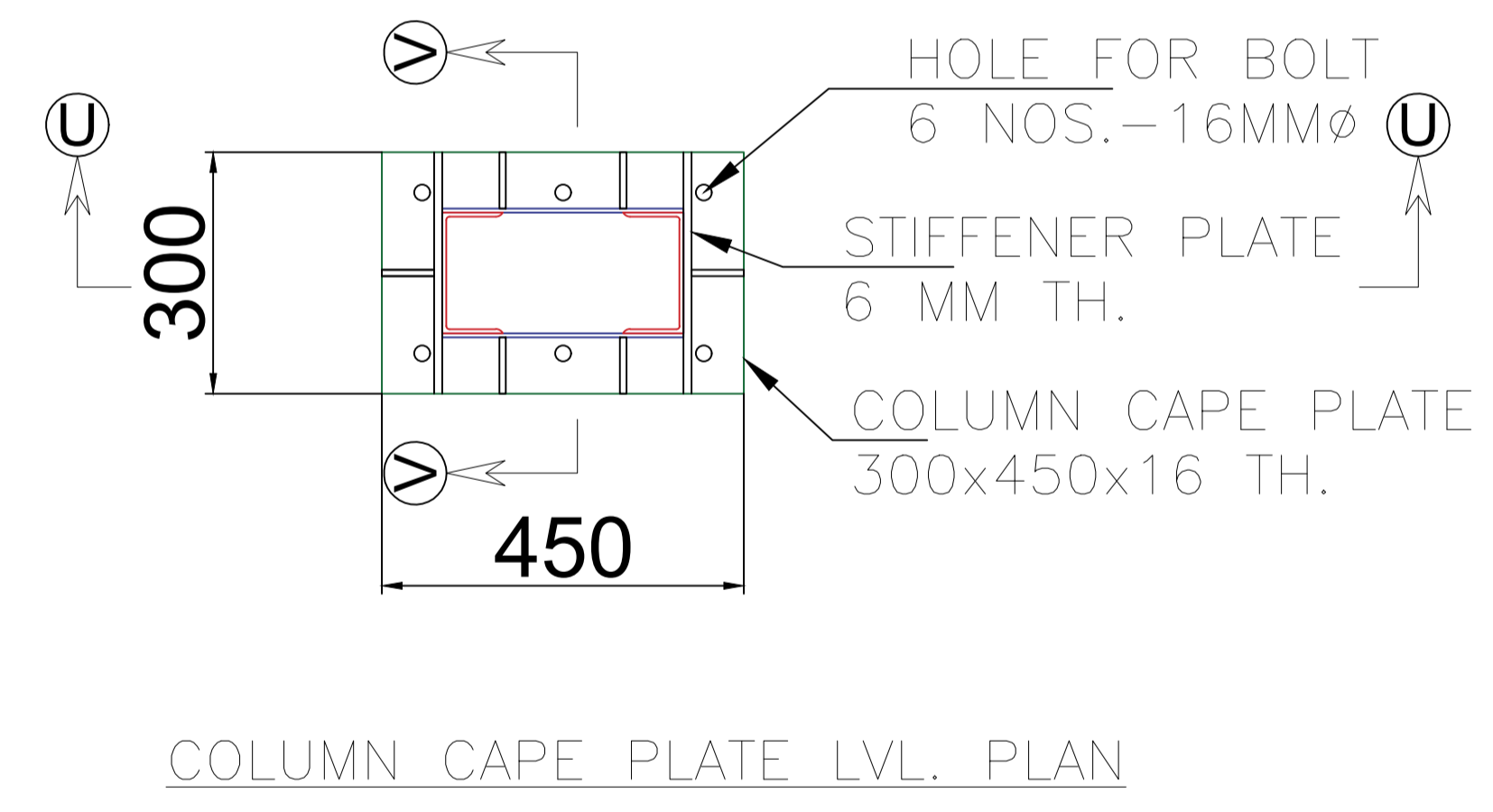
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CHECKED: SARVOTTAM DATE: 22-JULY-2024

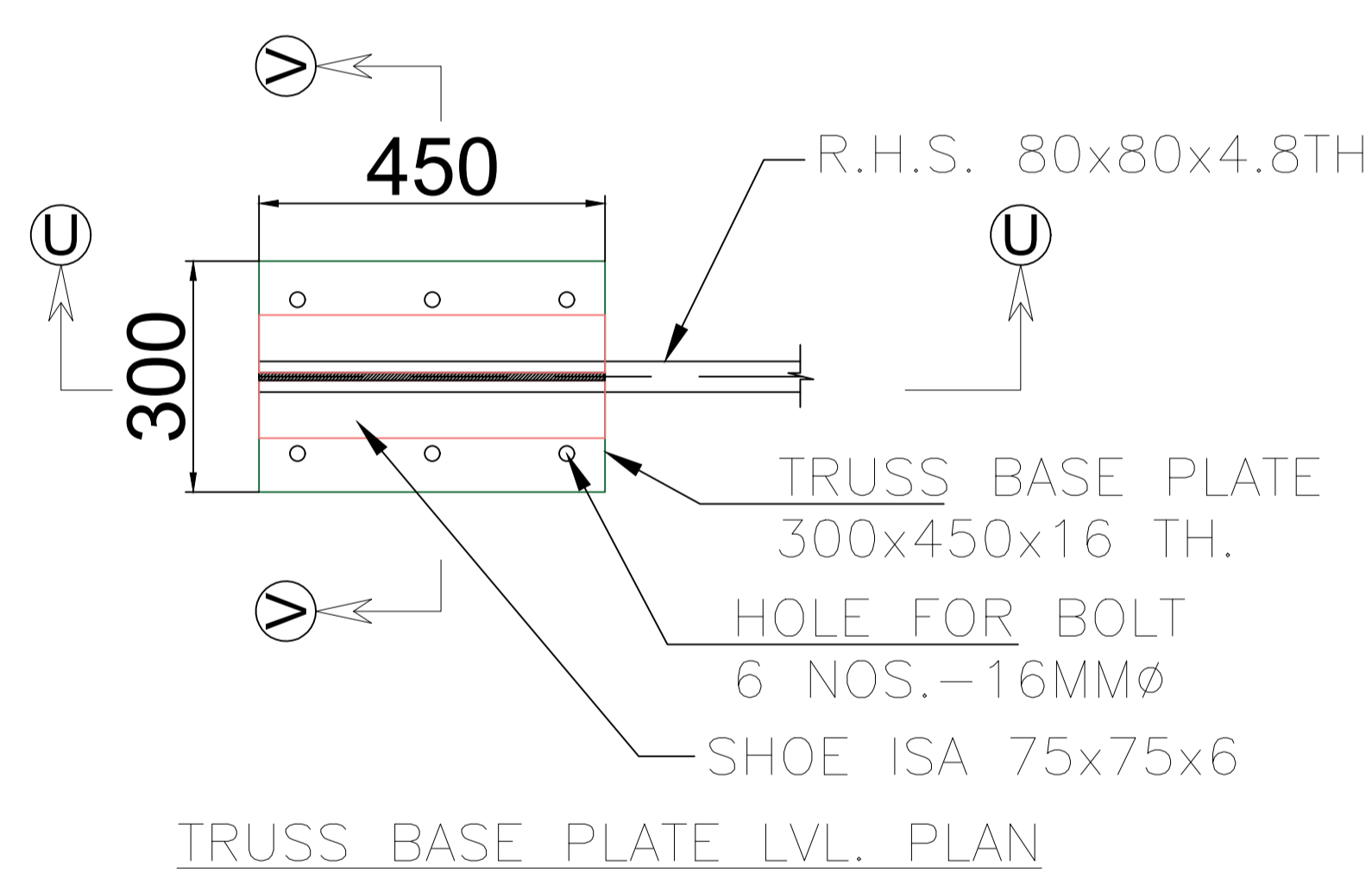


SECTION DETAILS V-V

SECTION DETAILS U-U



COLUMN CAPE PLATE LVL. PLAN



TRUSS BASE PLATE LVL. PLAN

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MM ONLY WRITTEN DIMENSION ARE TO BE FOLLOWED. DIMENSIONS IN STRUCTURAL DRAWING SHOULD NOT BE SCALED.
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REINFORCING STEEL

1. ALL REINFORCING STEEL WILL BE OF TESTED QUALITY CONFIRMING TO IS: 1786 LATEST.
2. REFER TO HIGH YIELD STRENGTH DEFORMED BARS WITH CHARACTERISTIC STRENGTH OF 500 N/SQ.MM.
3. THE CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:-

FOUNDATION	50MM
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- * COVER TO SECONDARY REINFORCEMENT ALSO SHALL NOT BE LESS THAN 20MM.
4. BENT UP BARS AT SUPPORT SHALL BE EXTENDED UP TO 0.3L OR L_d (WHICHEVER GREATER) IN ADJACENT SPAN OVER CONTINUOUS SUPPORT, IF EXTRA TOP IS NOT PROVIDED AND ANCHOR DOWN IN END SUPPORT FOR DEVELOPMENT LENGTH OF 50 X DIA. OF BAR MINIMUM.
5. IN SLAB, BENT UP BARS SHALL BE EXTENDED UP TO 0.3L IN ADJACENT SPAN OVER CONTINUOUS SUPPORT.
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7. IN BEAM-COLUMN JUNCTION, ADEQUATE SHEAR STIRRUPS SHALL BE PROVIDED AS PER PROVISIONS OF IS:13920-2016.
8. IN BEAMS, FIRST STIRRUP SHALL BE AT NO MORE THAN 40MM FROM FACE OF THE SUPPORTING MEMBER.
9. IN BEAMS TOP BARS ARE NOT TO BE SPLICED IN THE END QUARTERS OF THE SPAN, AND THE BOTTOM BARS ARE NOT TO BE SPLICED AT MIDDLE HALF OF THE SPAN.
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REVISION	DATE	CHANGE

SIGN OF VETTING AUTHORITY	SIGN OF STRUCTURAL CONSULTANT

PROJECT: MATERIAL RECOVERY FACILITY & RECYCLING UNIT AT SHIRWAL, TEHSIL- KHANDALA DIST SATARA, (M.H.)

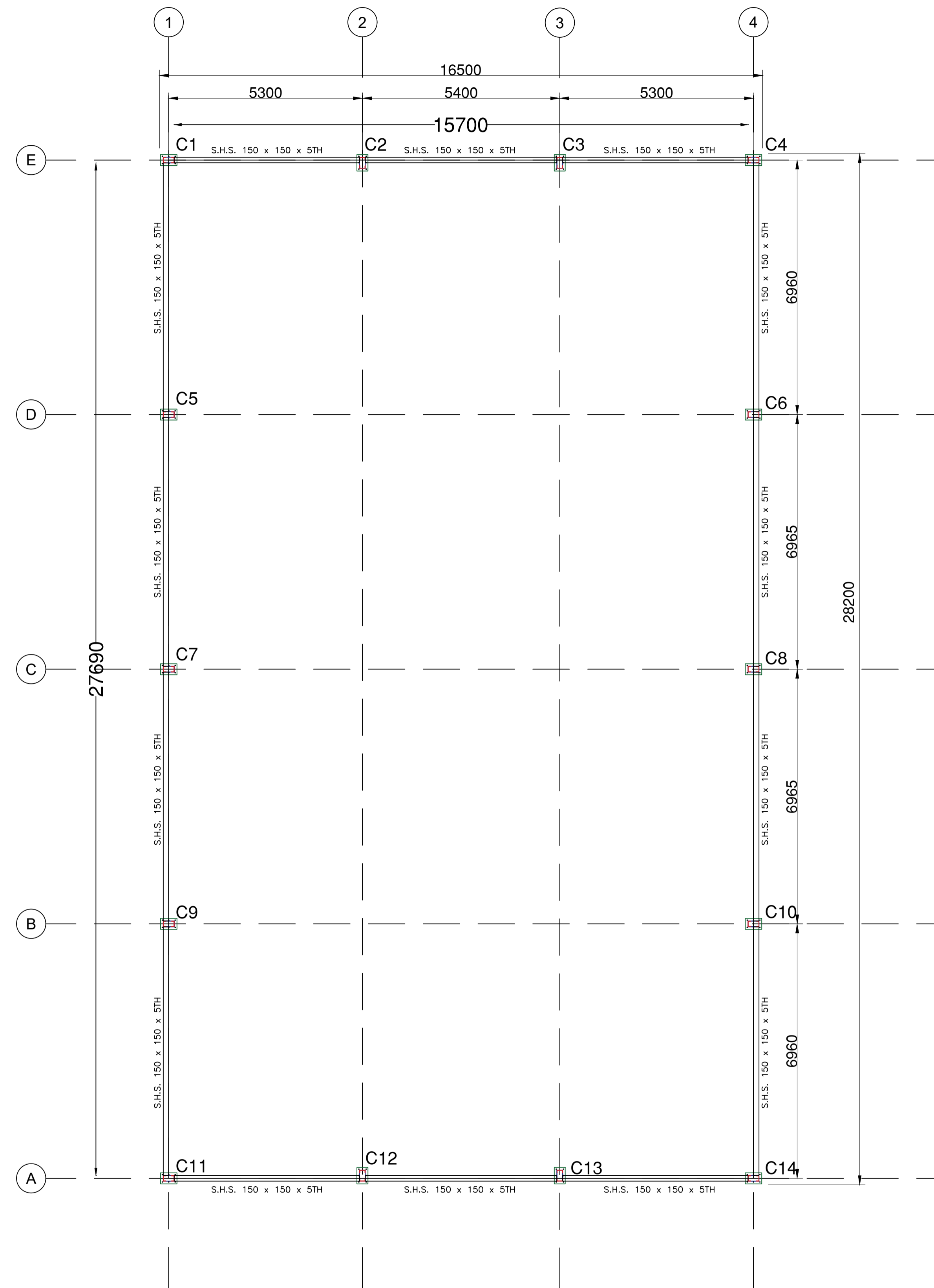


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DWG.TITLE:
TRUSS BASE PLATE LVL. DETAILS

DRAWN	DESIGN
RUPESH	SARVOTTAM

SCALE	REVISION	DWG. NO.
N.T.S.	R0	TEC/CEE/CS/ST-10
CHECKED	DATE :-	
SARVOTTAM	22-JULY-2024	



M.S. TIE BEAM PLAN AT LVL.+3000

GENERAL NOTES

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DWG. TITLE:
M.S. TIE BEAM PLAN AT LVL.+2550

SCALE: N.T.S.
REVISION: R0

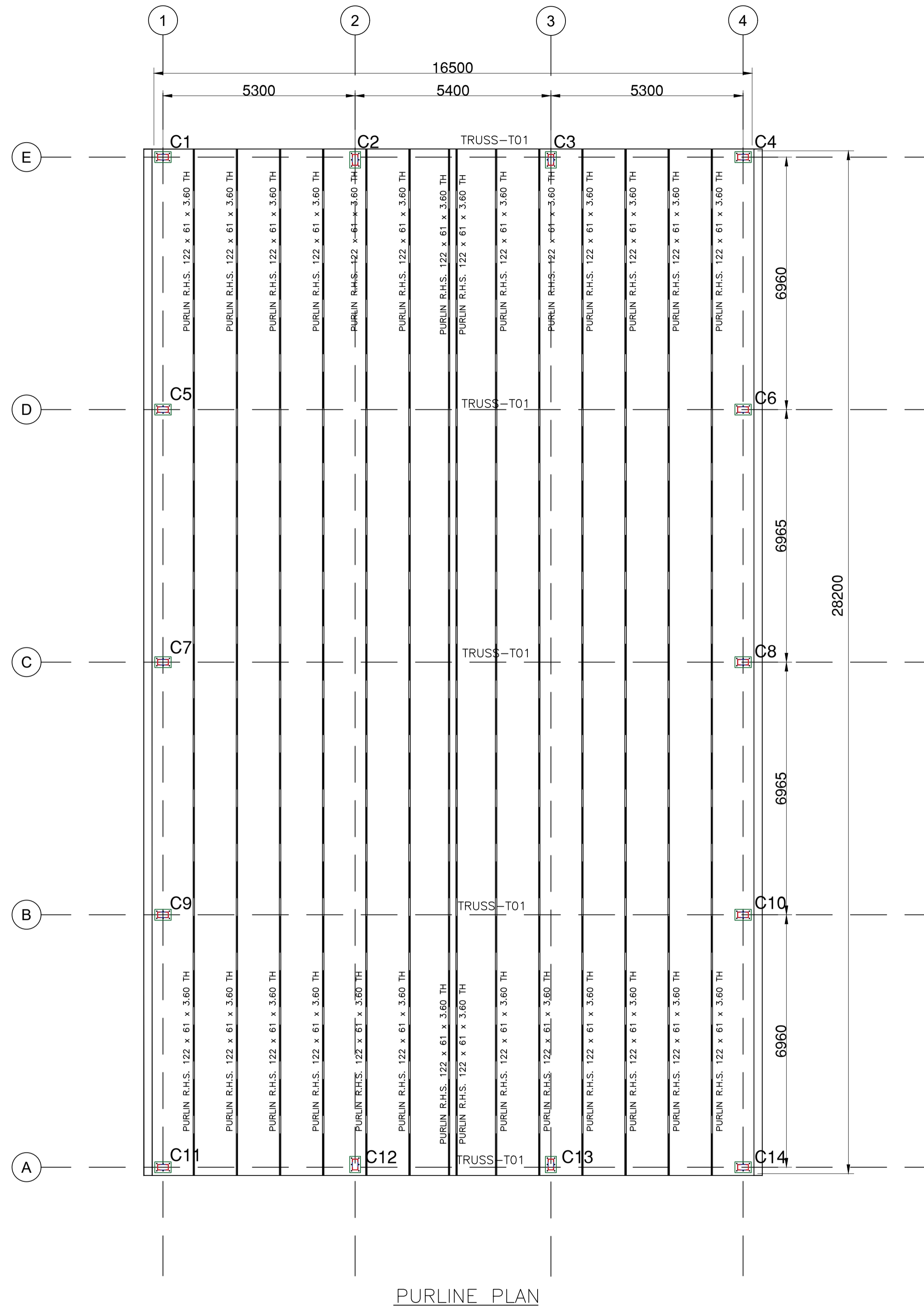
DWG. NO.: TEC/CEE/CS/ST-11

DRAWN: RUPESH

DESIGN: SARVOTTAM

CHECKED: SARVOTTAM

DATE :- 22-JULY-2024



GENERAL NOTES

1. ALL DIMENSIONS ARE IN MM ONLY WRITTEN DIMENSION ARE TO BE FOLLOWED. DIMENSIONS IN STRUCTURAL DRAWING SHOULD NOT BE SCALED.
2. STRUCTURAL DRAWING SHOULD BE READ IN CONNECTION WITH RELEVANT ARCHITECTURAL DRAWING. IN CASE OF DISCREPANCY BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWING SHOULD BE IMMEDIATELY BROUGHT TO NOTICE OF OFFICE OF EXECUTIVE ENGINEER, INDORE - I, CPWD, INDORE (M.P.).
3. M-20MIX- MIX CONCRETE AND TMT BARS (FE-500D) SHALL BE USED IN CONSTRUCTION.

REINFORCING STEEL

1. ALL REINFORCING STEEL WILL BE OF TESTED QUALITY CONFIRMING TO IS: 1786 LATEST.
2. REFER TO HIGH YIELD STRENGTH DEFORMED BARS WITH CHARACTERISTIC STRENGTH OF 500 N/SQ.MM.
3. THE CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:-

FOUNDATION	50MM
COLUMNS	40MM
RCC WALL	25MM
FLOOR BEAM	30MM
SLABS	20MM*
- * COVER TO SECONDARY REINFORCEMENT ALSO SHALL NOT BE LESS THAN 20MM.
4. BENT UP BARS AT SUPPORT SHALL BE EXTENDED UP TO 0.3L OR L_d (WHICHEVER GREATER) IN ADJACENT SPAN OVER CONTINUOUS SUPPORT, IF EXTRA TOP IS NOT PROVIDED AND ANCHOR DOWN IN END SUPPORT FOR DEVELOPMENT LENGTH OF 50 X DIA. OF BAR MINIMUM.
5. IN SLAB, BENT UP BARS SHALL BE EXTENDED UP TO 0.3L IN ADJACENT SPAN OVER CONTINUOUS SUPPORT.
6. SLAB BARS IN SHORTER DIRECTION SHALL BE BELOW BARS FOR THE LONGER DIRECTION.
7. IN BEAM-COLUMN JUNCTION, ADEQUATE SHEAR STIRRUPS SHALL BE PROVIDED AS PER PROVISIONS OF IS:13920-2016.
8. IN BEAMS, FIRST STIRRUP SHALL BE AT NO MORE THAN 40MM FROM FACE OF THE SUPPORTING MEMBER.
9. IN BEAMS TOP BARS ARE NOT TO BE SPLICED IN THE END QUARTERS OF THE SPAN, AND THE BOTTOM BARS ARE NOT TO BE SPLICED AT MIDDLE HALF OF THE SPAN.
10. TENSION OVERLAP 50 X DIA. & COMPRESSION OVERLAP 40XDIA. OF BAR SHALL BE STAGGERED.
11. STIRRUPS SHALL BE STRICTLY PERPENDICULAR TO THE MAIN AXIS OF BEAM AND CANTILEVER BEAMS TO HAVE HOOK AT BOTTOM.
12. NOT MORE THAN ONE-THIRD OF THE COLUMN BARS SHALL BE LAPPED AT A SECTION.
13. CURTAILMENT, SPLICING OF R/F BARS, DETAILING SPECIFICATION, COMPACTION OF CONCRETE ETC. SHALL BE AS PER IS:456 - 2000, SP34.

PROJECT SPECIFIC

1. THE NET SAFE BEARING CAPACITY IS 200 KN/M². THE FOUNDATIONS SHOULD BE RESTING AT MIN. DEPTH OF 1 M FROM EGL/NGL.

SITE ENGINEERS ARE ADVISED TO VERIFY CONSTRUCTION AT SITE WITH STRUCTURAL DRAWINGS BEFORE EXECUTION FOR DEVIATIONS. STRUCTURAL ENGINEER OR ON BEHALF WILL NOT BE RESPONSIBLE.

REVISION	DATE	CHANGE

SIGN OF VETTING AUTHORITY	SIGN OF STRUCTURAL CONSULTANT

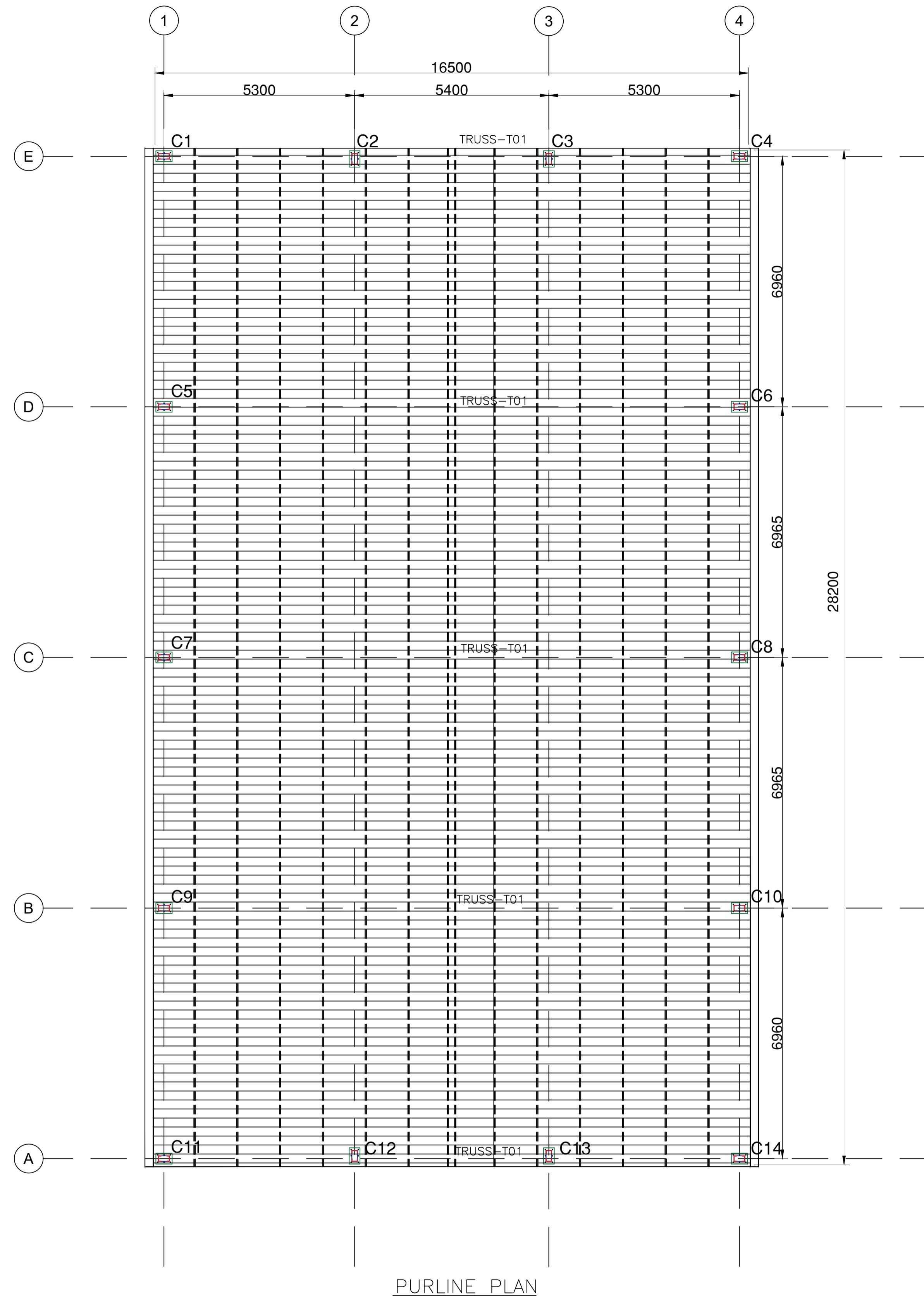
PROJECT: MATERIAL RECOVERY FACILITY & RECYCLING UNIT AT SHIRWAL, TEHSIL- KHANDALA DIST SATARA, (M.H.)



CONSULTANT
TEKNO ENGINEERING CONSULTANTS
Structural Design Solutions

TEC Add:- Opposite Jhulelal Statue, Canal Road, Amlidih Square, New Rajendra Nagar, Raipur- 492001
Email us at:- teknostructures2016@gmail.com
Mob.No.- [M] 8871738000, [O] 0771-4063800

DWG.TITLE: PURLINE PLAN & DETAIL		SCALE N.T.S.	REVISION R0	DWG. NO. TEC/CEE/CS/ST-12
DRAWN RUPESH	DESIGN SARVOTTAM	CHECKED SARVOTTAM	DATE :- 22-JULY-2024	



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REVISION	DATE	CHANGE

SIGN OF VETTING AUTHORITY	SIGN OF STRUCTURAL CONSULTANT

PROJECT: MATERIAL RECOVERY FACILITY & RECYCLING UNIT AT SHIRWAL, TEHSIL- KHANDALA DIST SATARA, (M.H.)



CONSULTANT
TEKNO ENGINEERING CONSULTANTS
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TEC
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Mob.No.- [M] 8871738000, [O] 0771-4063800

DWG.TITLE: **TOP(ROOF PLAN)**

DRAWN: **RUPESH** DESIGN: **SARVOTTAM**

SCALE: N.T.S. REVISION: R0

CHECKED: **SARVOTTAM**

DWG. NO. **TEC/CEE/CS/ST-13**

DATE: **22-JULY-2024**