

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 MC&C (RAIPUR)
3. M-25MIX- DESIGN MIX CONCRETE AND TMT BARS (FE-500) SHALL BE USED IN CONSTRUCTION.
4. TIES SHOULD BE BEND INSIDE WITH 10# LENGTH, ANGLE 135° IN BEAM & COLUMN.



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, WALL 50 MM
 COLUMNS 40MM, FLOOR BEAM 30MM
 GRADE/TIE BEAM 30MM, SLABS 20MM*
 * COVER TO SECONDARY REINFORCEMENT ALSO SHALL NOT BE LESS THAN 20MM.
4. LAP LENGTH TO BE 50*DIA OF BAR MINIMUM.
5. SLAB BARS IN SHORTER DIRECTION SHALL BE BELOW BARS FOR THE LONGER DIRECTION.
6. IN BEAMS, FIRST STIRRUP SHALL BE AT NO MORE THAN 40MM FROM FACE OF THE SUPPORTING MEMBER.
7. 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.

STEEL WPRK

1. USE ALL INDIAN STANDARD ROLLED SECTION.
2. JOINTS IN LONG MEMBERS I FANY ARE TO BE AT NODEL POINTS ONLY. AND TO BE PROVIDED FOR FULL STRENGTH.
3. ALL EGDES AND ENDS TO BE MACHINE CUT.
4. ALL HOLES TO BE DRILLED (NOT PUNCHED) 1.5MM. LERGER IN DIMETER THAN THAT OF BOLTS.
5. ALL CLEAT OF ANGLE SECTION TO BE ISA.
6. ALL WELDS TO BE PROVIDED (6MM. FILLET) FOR FULL STRENGTH.
7. ALL COVER & STIFFENING PLATE ARE OF 6 MM THICK.
8. FOLLOW - IS -800-2007 FOR STEEL WORK.
9. YIELD STRENGTH :-250 N/MM2
10. ALL COVER & STIFFNING PLATE ARA OF 6MM. THICK.
11. FOLLOW -IS-2062 FOR HOT ROLLED MEDIUM AND HIGH TENSILE STRUCTURAL STEEL SPECIFICATION.
12. FOLLOW- IS- 1161 FOR RECTANGULAR HOLLOW SECTION.

PROJECT SPECIFICATION

REV	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
0	02-03-2026	ISSUED FOR APPROVAL	K.S.	V.S.	T.M.

CLIENT DETAIL		CONSULTANT	
CEE CENTER FOR ENVIRONMENTAL EDUCATION		 MAGENDRA CONSTRUCTION & CONSULTANTS <small>2031151238 Floor, Cakran Trade Center, New Rajpura Nagar, Raipur (C.D. 492001) 9842444709, 9892000484, 9892000484, 9892000484, 9892000484, 9892000484, 9892000484, 9892000484, 9892000484, 9892000484 (C) - 2017-2022 MCC www.mccraipur.com</small>	

PROJECT	MRF & MRC - GHATIYA BLOCK UJJAIN M.P.	SHEET NO. REV.	
DRAWN	K.S. 02-03-2026	S-02/FDN-01	0
CHECKED	V.S. 02-03-2026		
APPROVED	T.M. 02-03-2026		
SCALE	(N.T.S.)		

DWG. NO. : MC&C/CEE/S-02/FDN-01/MP/2026

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COLUMN POSITION PLAN

EC = EXISTING COLUMN

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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,	WALL	50 MM
COLUMNS	40MM,	FLOOR BEAM	30MM
GRADE/TIE BEAM	30MM,	SLABS	20MM*

* COVER TO SECONDARY REINFORCEMENT ALSO SHALL NOT BE LESS THAN 20MM.
4. LAP LENGTH TO BE 50#DIA OF BAR MINIMUM.
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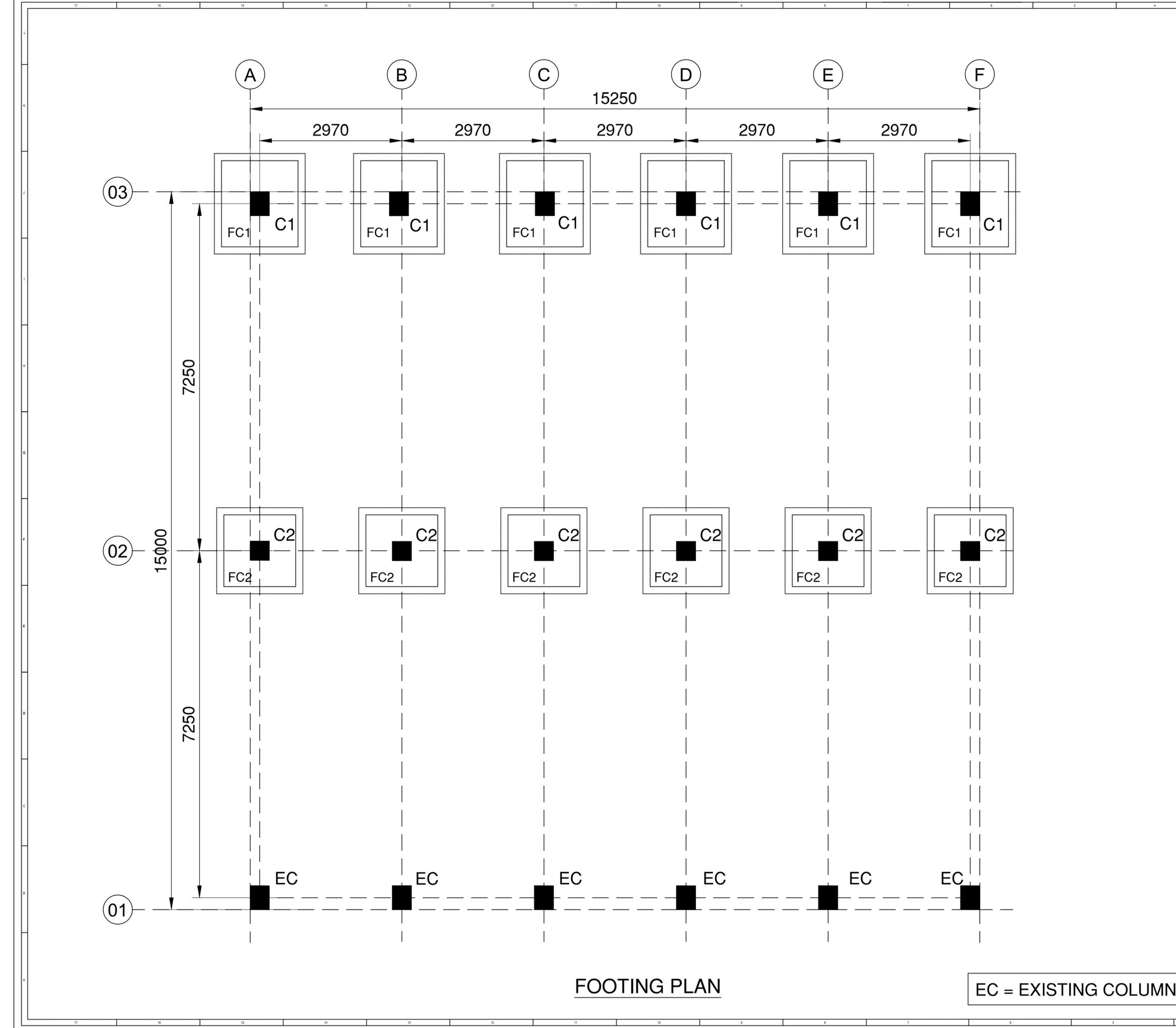
PROJECT SPECIFICATION

0	02-03-2026	ISSUED FOR APPROVAL	K.S.	V.S.	T.M.
REV	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED

CLIENT DETAIL		CONSULTANT	
CEE CENTER FOR ENVIRONMENTAL EDUCATION		 MAGENDRA CONSTRUCTION & CONSULTANTS <small>1991101208 Floor, Cakkar Trade Center, New Rajpura Nagar, Raipur (C.G.) - 492001 9842444000, 9842444001, 9842444002, 9842444003, 9842444004, 9842444005 (C) - 2011-2022 www.mccraipur.com</small>	
PROJECT	MRF & MRC - GHATYA BLOCK UJJAIN M.P.	TITLE	FOOTING PLAN OF SHED 02
DRAWN	K.S. 02-03-2026	SCALE	1:250 (N.T.S)
CHECKED	V.S. 02-03-2026	SHEET NO. S-02/FDN-02	
APPROVED	T.M. 02-03-2026	REV. 0	

DWG. NO.: MC&C/CEE/S-02/FDN-02/MP/2026

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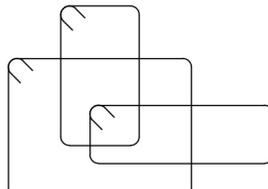
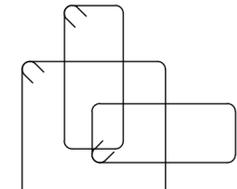
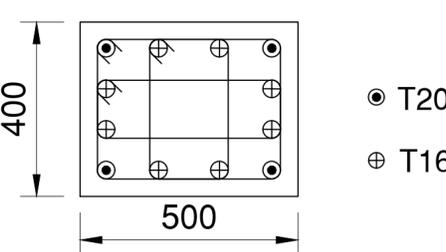
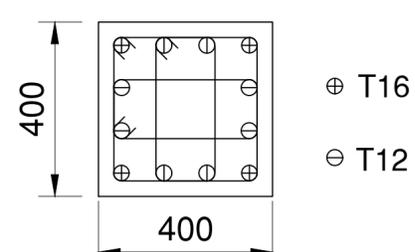
FOOTING PLAN

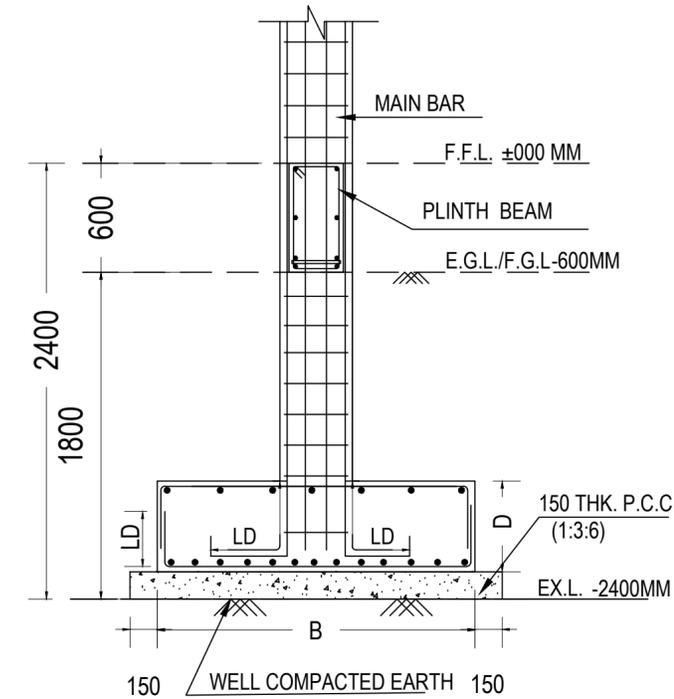
EC = EXISTING COLUMN

FOOTING SCHEDULE (M25:Fe500)

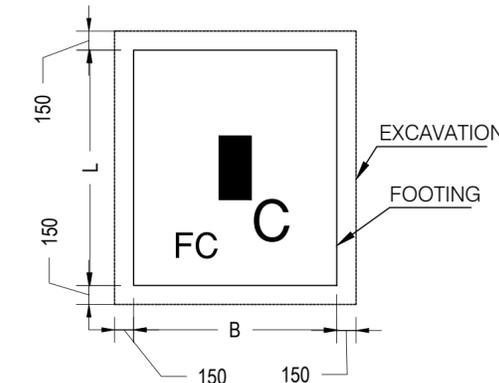
FOOTING NUMBERS	COLUMN NUMBERS	FOOTING TYPE	FOOTING DIMENSION			FOOTING REINFORCEMENT			
			L	B	D	BOTTOM		TOP	
						ALONG B	ALONG L	ALONG B	ALONG L
FC1	C1	Pad	1600	1800	450	T10@150 C/C	T10@150 C/C	T10@250 C/C	T10@250 C/C
FC2	C2	Pad	1500	1500	400	T10@150 C/C	T10@150 C/C	T10@250 C/C	T10@250 C/C

COLUMN SCHEDULE (SCALE 1:25)

2500 MM	M25 : Fe500 , COVER = 40MM CONFINING ZONE = FULL HEIGHT	M25 : Fe500 , COVER = 40MM CONFINING ZONE = FULL HEIGHT
		
TO	LINK	LINK
-1800 MM	T8 @ 150	T8 @ 150
		
COLUMN MARKED	C1	C2



SECTION-X-X



TYPICAL FOOTING PLAN

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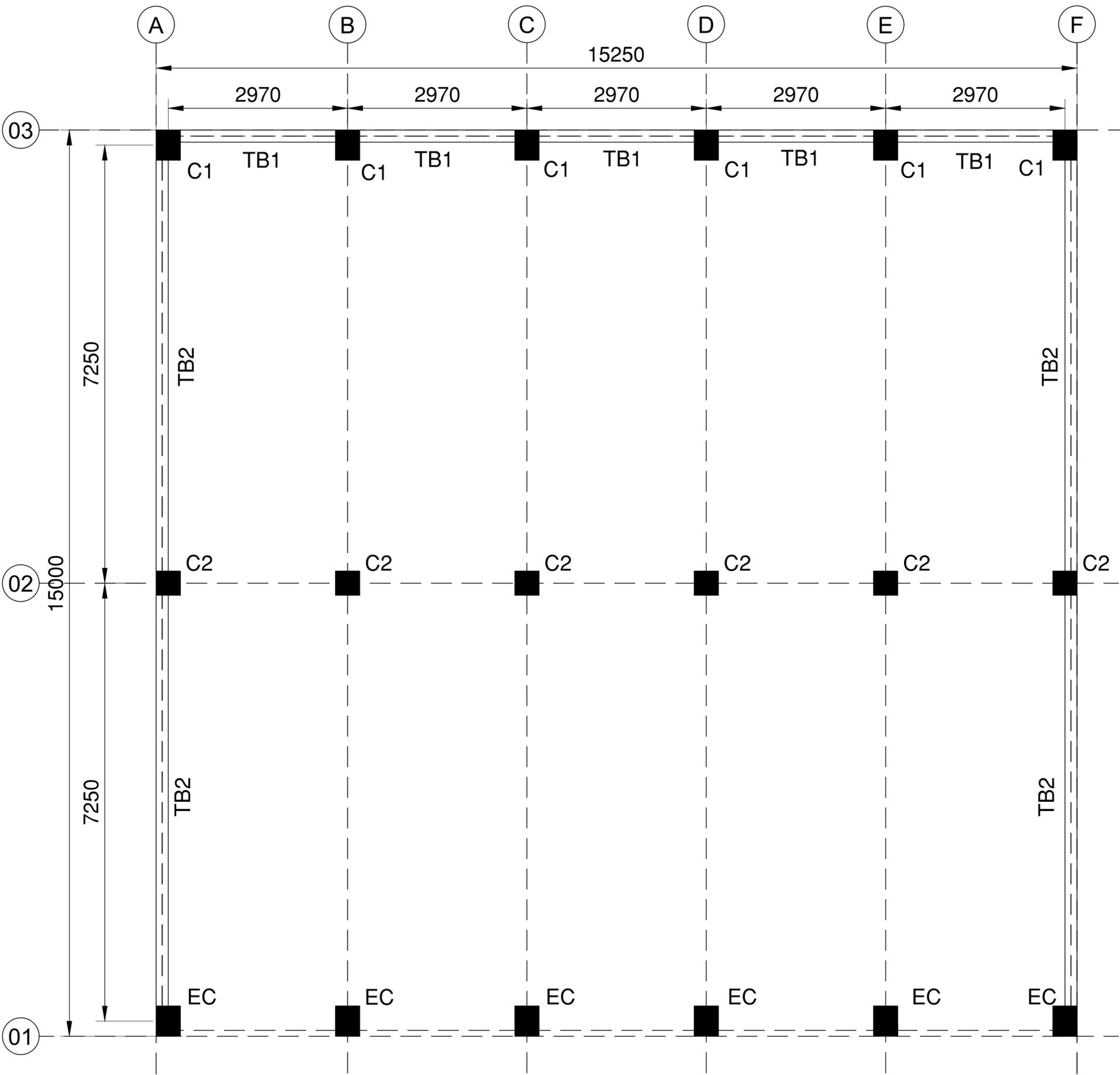
PROJECT SPECIFICATION

REV	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
0	02-03-2026	ISSUED FOR APPROVAL	K.S.	V.S.	T.M.

CLIENT DETAIL		CONSULTANT	
CEE CENTER FOR ENVIRONMENTAL EDUCATION		 MAGENDRA CONSTRUCTION & CONSULTANTS <small>2001101208 Floor, Cakran Trade Center, New Rajendra Nagar, Raipur (C.D. - 492001) 9842444444, 9842444444, 9842444444, 9842444444, 9842444444 (C) - 2011-2022 www.mccraipur.com</small>	
PROJECT	MRF & MRC - GHATYA BLOCK UJJAIN M.P.		
DRAWN	K.S. 02-03-2026	TITLE	COLUMN & FOOTING
CHECKED	V.S. 02-03-2026	DETAIL OF SHED 02	
APPROVED	T.M. 02-03-2026	15000 MM X 15000 MM	
SCALE	(N.T.S.)		

DWG. NO. : MC&C/CEE/S-02/FDN-03/MP/2026	SHEET NO. : S-02/FDN-03	REV. : 0
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PROJECT SPECIFICATION

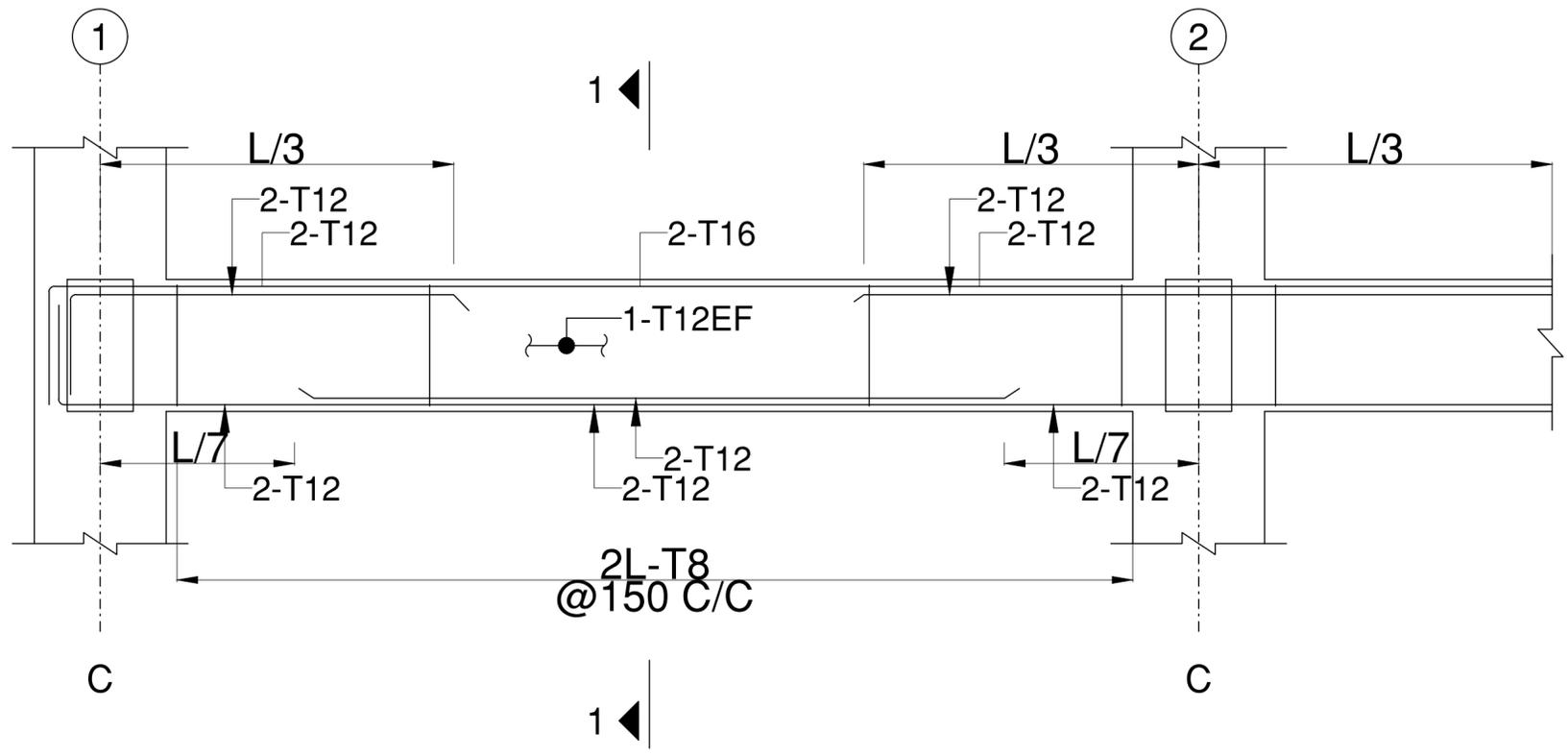
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CLIENT DETAIL		CONSULTANT	
CEE CENTER FOR ENVIRONMENTAL EDUCATION		 MAGENDRA CONSTRUCTION & CONSULTANTS <small>1001101208 Floor, Chakri, Trade Center, New Rajpura Nagar, Raipur (C.D. - 492001) 9884444444, 9888888888, 9888888888, 9888888888, 9888888888, 9888888888, 9888888888, 9888888888, 9888888888, 9888888888</small>	

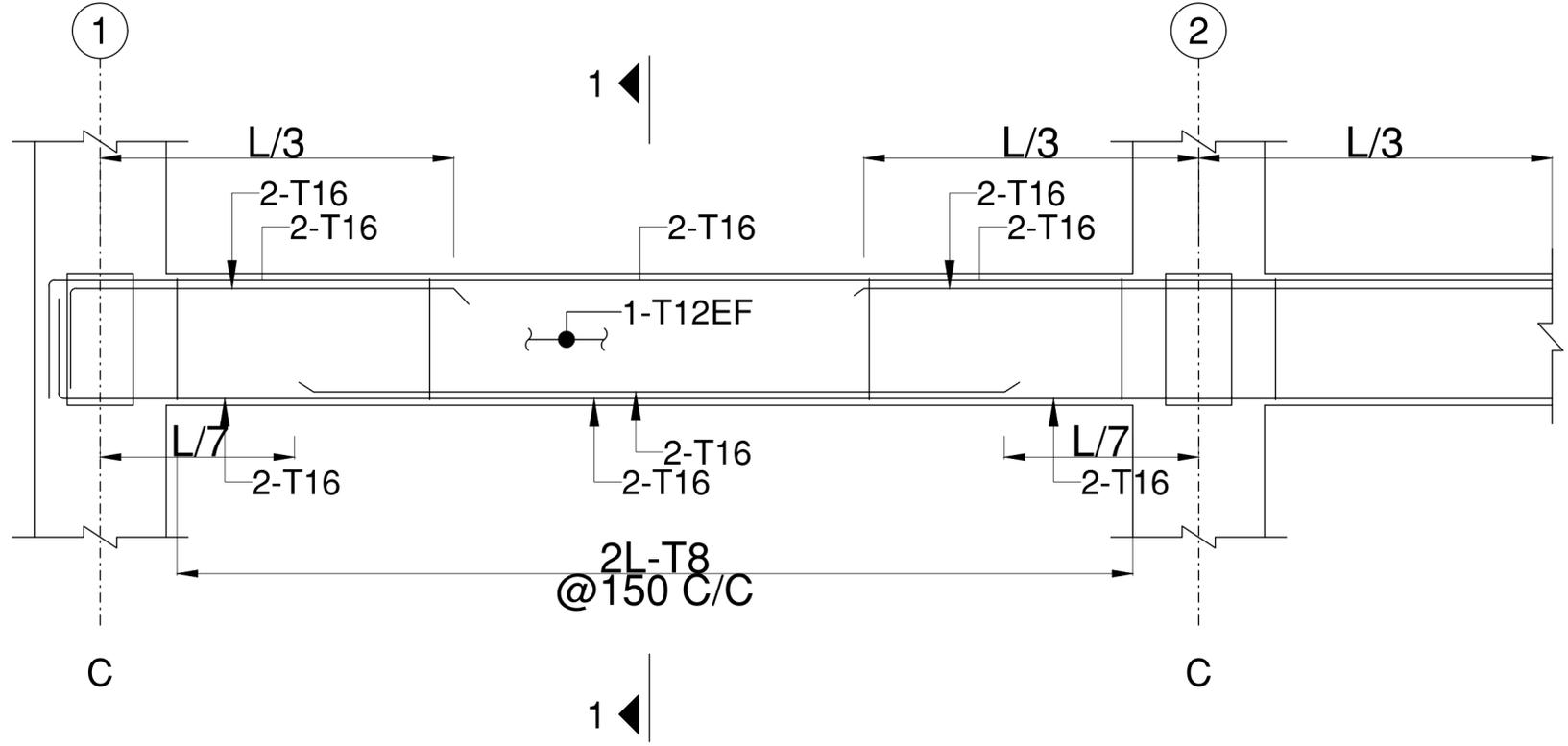
PROJECT	MRF & MRC - GHATIYA BLOCK UJJAIN M.P.	TITLE	PLINTH BEAM PLAN
DRAWN	K.S. 02-03-2026	CHECKED	V.S. 02-03-2026
APPROVED	T.M. 02-03-2026	SCALE	(N.T.S.)
DWG. NO. : MC&C/CEE/S-02/CON-01A/MP/2026		SHEET NO.	REV.
		S-02/CON-01A	0

PLINTH BEAM PLAN

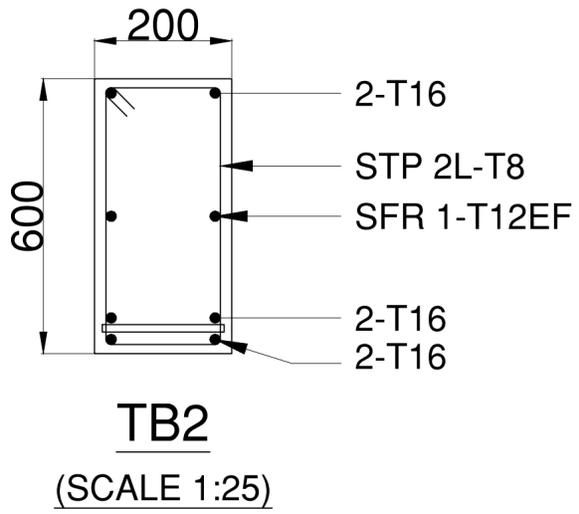
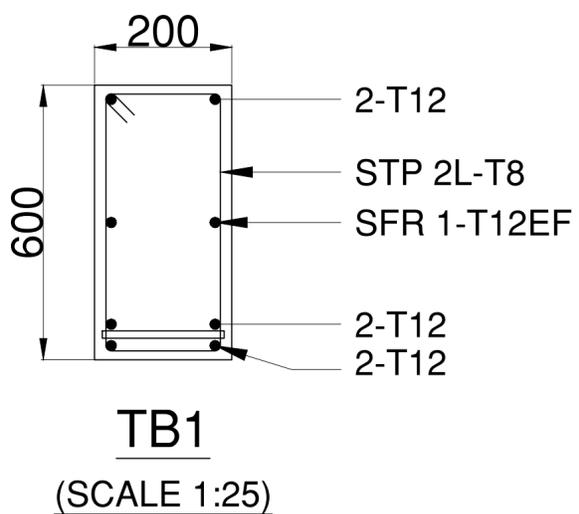
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TB1:200x600
(SCALE: H = 1:50 / V = 1:50)



TB2:200x600
(SCALE: H = 1:50 / V = 1:50)



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PROJECT SPECIFICATION

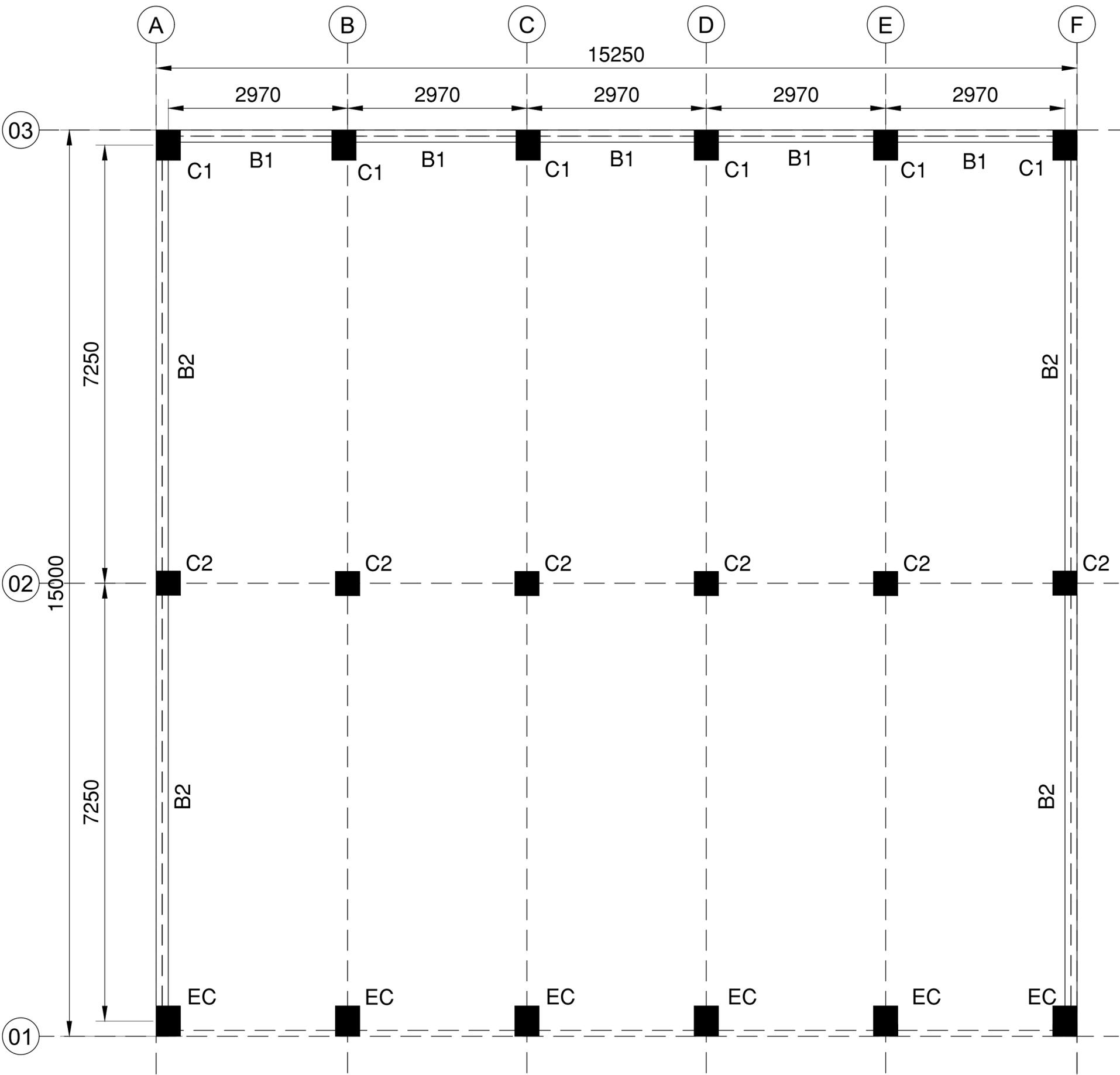
REV	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
0	02-03-2026	ISSUED FOR APPROVAL	K.S.	V.S.	T.M.

CLIENT DETAIL		CONSULTANT	
CEE CENTER FOR ENVIRONMENTAL EDUCATION		 MAGENDRA CONSTRUCTION & CONSULTANTS <small>1001111338 Floor, Gokulnagar, Trade Center, New Rajpura Nagar, Raipur (C.G.) - 492001 9842444700, 9892000000, 9892000000, 9892000000, 9892000000, 9892000000 (C) - 2017-2022 www.mccraipur.com</small>	

PROJECT	MRF & MRC - GHATYA BLOCK UJJAIN M.P.	TITLE	PLINTH BEAM PLAN
DRAWN	K.S.	DATE	02-03-2026
CHECKED	V.S.	DATE	02-03-2026
APPROVED	T.M.	DATE	02-03-2026
SCALE	(N.T.S.)	DETAIL	OF SHED 02
			15250 MM X 15000 MM

DWG. NO.:	MC&C/CEE/S-02/CON-01B/MP/2026	SHEET NO.	REV.
		S-02/CON-01B	0

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BEAM PLAN AT LVL 3000 MM

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5. SLAB BARS IN SHORTER DIRECTION SHALL BE BELOW BARS FOR THE LONGER DIRECTION.
6. IN BEAMS, FIRST STIRRUP SHALL BE AT NO MORE THAN 40MM FROM FACE OF THE SUPPORTING MEMBER.
7. 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.

STEEL WPRK

1. USE ALL INDIAN STANDARD ROLLED SECTION.
2. JOINTS IN LONG MEMBERS IF ANY ARE TO BE AT NODEL POINTS ONLY. AND TO BE PROVIDED FOR FULL STRENGTH.
3. ALL EGDES AND ENDS TO BE MACHINE CUT.
4. ALL HOLES TO BE DRILLED (NOT PUNCHED) 1.5MM. LARGER IN DIMETER THAN THAT OF BOLTS.
5. ALL CLEAT OF ANGLE SECTION TO BE ISA.
6. ALL WELDS TO BE PROVIDED (6MM. FILLET) FOR FULL STRENGTH.
7. ALL COVER & STIFFENING PLATE ARE OF 6 MM THICK.
8. FOLLOW - IS -800-2007 FOR STEEL WORK.
9. YIELD STRENGTH :-250 N/MM2
10. ALL COVER & STIFFNING PLATE ARA OF 6MM. THICK.
11. FOLLOW -IS-2062 FOR HOT ROLLED MEDIUM AND HIGH TENSILE STRUCTURAL STEEL SPECIFICATION.
12. FOLLOW- IS- 1161 FOR RECTANGULAR HOLLOW SECTION.

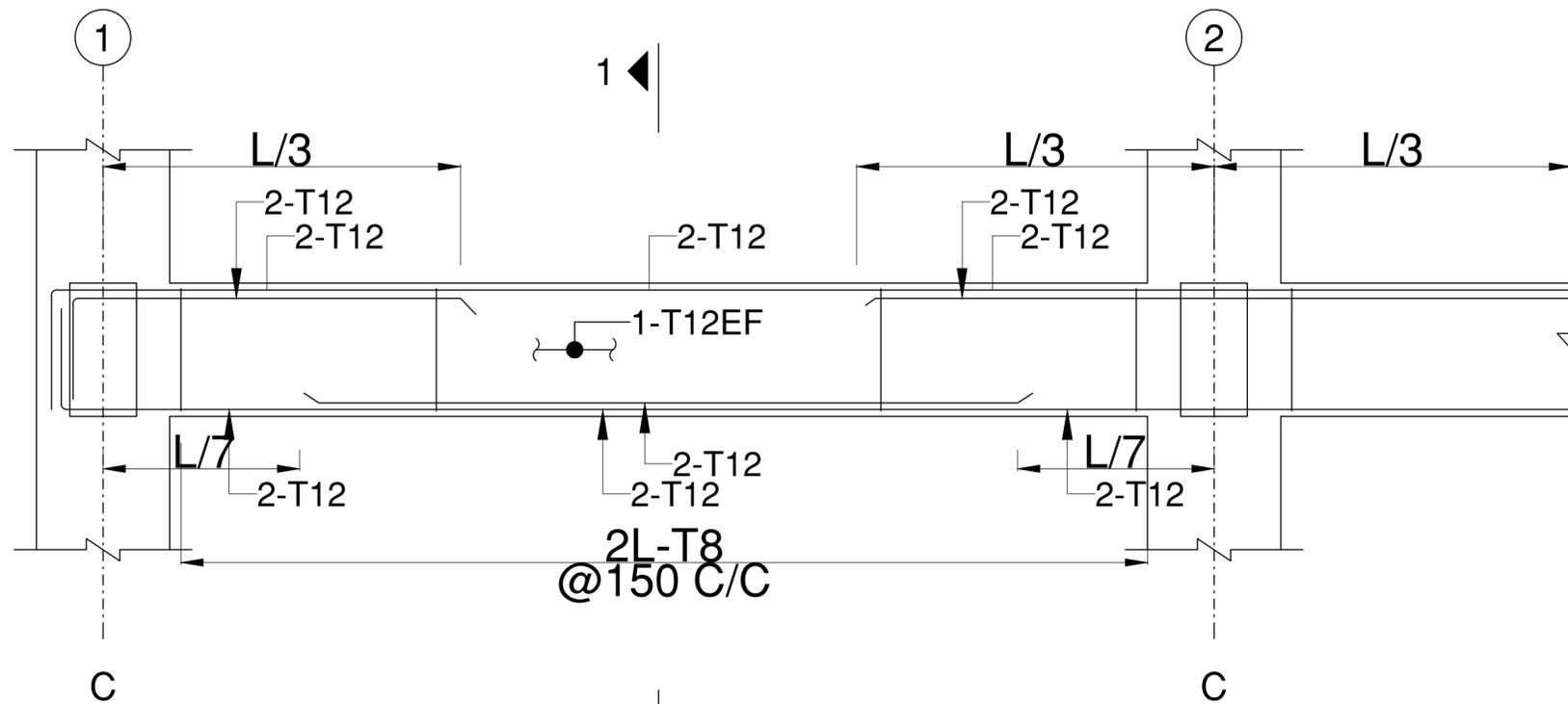
PROJECT SPECIFICATION

REV	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
0	02-03-2026	ISSUED FOR APPROVAL	K.S.	V.S.	T.M.

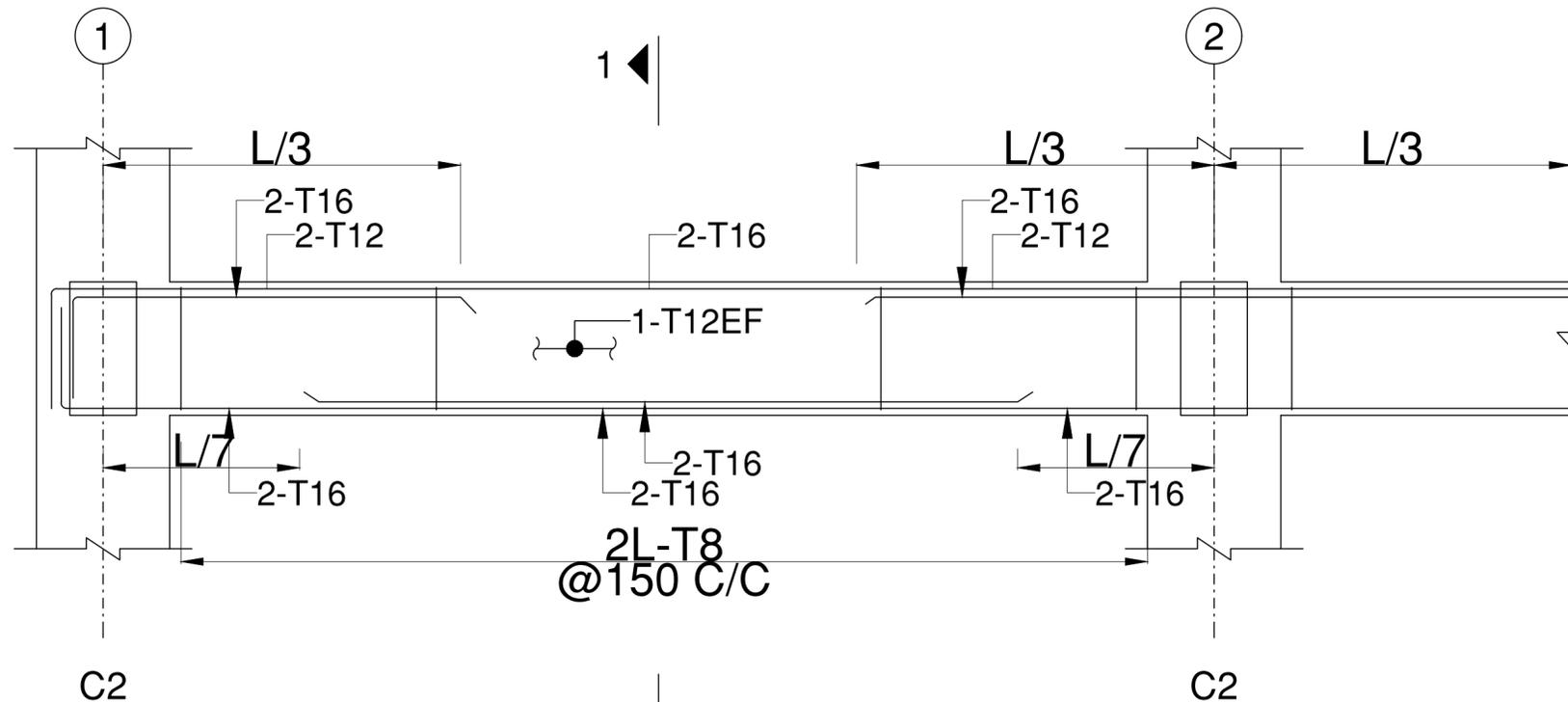
CLIENT DETAIL		CONSULTANT	
CEE CENTER FOR ENVIRONMENTAL EDUCATION		 MAGENDRA CONSTRUCTION & CONSULTANTS <small>2031151238 Floor, Chakri, Trade Center, New Rajnagar, Raipur (C.D. - 492001) 9842444709, 9892000484, 9892000484, 9892000484, 9892000484, 9892000484, 9892000484, 9892000484, 9892000484, 9892000484 (C) - 2017-2022 www.mccraipur.com</small>	

PROJECT	MRF & MRC - GHATIYA BLOCK UJJAIN M.P.	TITLE	BEAM PLAN (AT LVL. 3000 MM)
DRAWN	K.S. 02-03-2026	CHECKED	V.S. 02-03-2026
APPROVED	T.M. 02-03-2026	SCALE	(N.T.S.)
DWG. NO. : MC&C/CEE/S-02/CON-02A/MP/2026		SHEET NO.	0

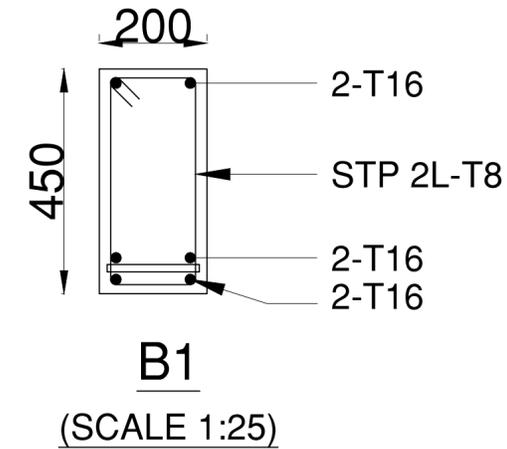
CAUTION This drawing is a result of detailed design of structures suitable for a specific project at a specific location & for a specific client. Use of this drawing by any person, for any other project, at any other location, of any other client is prohibited strictly by MC&C and should not be attempted. Such unauthorised use would be risky & culpable



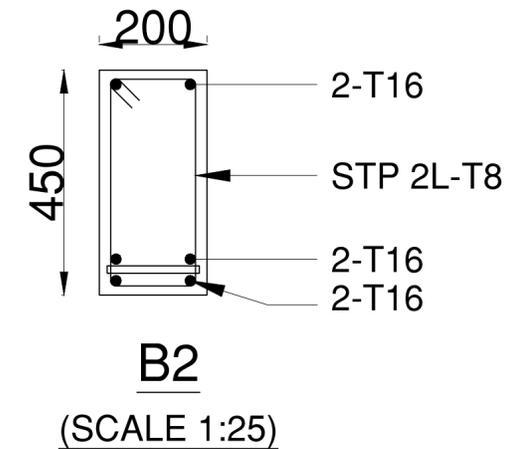
B1:200x450
(SCALE: H = 1:50 / V = 1:50)



B2:200x450
(SCALE: H = 1:50 / V = 1:50)



B1
(SCALE 1:25)



B2
(SCALE 1:25)

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 MC&C (RAIPUR)
3. M-25MIX- DESIGN MIX CONCRETE AND TMT BARS (FE-500) SHALL BE USED IN CONSTRUCTION.
4. TIES SHOULD BE BEND INSIDE WITH 10# LENGTH, ANGLE 135° IN BEAM & COLUMN.

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, WALL 50 MM
COLUMNS 40MM, FLOOR BEAM 30MM
GRADE/TIE BEAM 30MM, SLABS 20MM*
* COVER TO SECONDARY REINFORCEMENT ALSO SHALL NOT BE LESS THAN 20MM.
4. LAP LENGTH TO BE 50* DIA OF BAR MINIMUM.
5. SLAB BARS IN SHORTER DIRECTION SHALL BE BELOW BARS FOR THE LONGER DIRECTION.
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STEEL WPRK

1. USE ALL INDIAN STANDARD ROLLED SECTION.
2. JOINTS IN LONG MEMBERS I FANY ARE TO BE AT NODEL POINTS ONLY. AND TO BE PROVIDED FOR FULL STRENGTH.
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7. ALL COVER & STIFFENING PLATE ARE OF 6 MM THICK.
8. FOLLOW - IS -800-2007 FOR STEEL WORK.
9. YIELD STRENGTH :-250 N/MM2
10. ALL COVER & STIFFENING PLATE ARA OF 6MM. THICK.
11. FOLLOW -IS-2062 FOR HOT ROLLED MEDIUM AND HIGH TENSILE STRUCTURAL STEEL SPECIFICATION.
12. FOLLOW- IS- 1161 FOR RECTANGULAR HOLLOW SECTION.

PROJECT SPECIFICATION

REV	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
0	02-03-2026	ISSUED FOR APPROVAL	K.S.	V.S.	T.M.

PROJECT		MRF & MRC - GHATYA BLOCK UJJAIN M.P.	
DRAWN	K.S.	TITLE	BEAM PLAN (AT LVL. 3000 MM)
CHECKED	V.S.	DETAIL	DETAIL OF SHED 02
APPROVED	T.M.	SCALE	(N.T.S.)

DWG. NO.:	MC&C/CEE/S-02/CON-02B/MP/2026	SHEET NO.	REV.
		S-02/CON-02B	0

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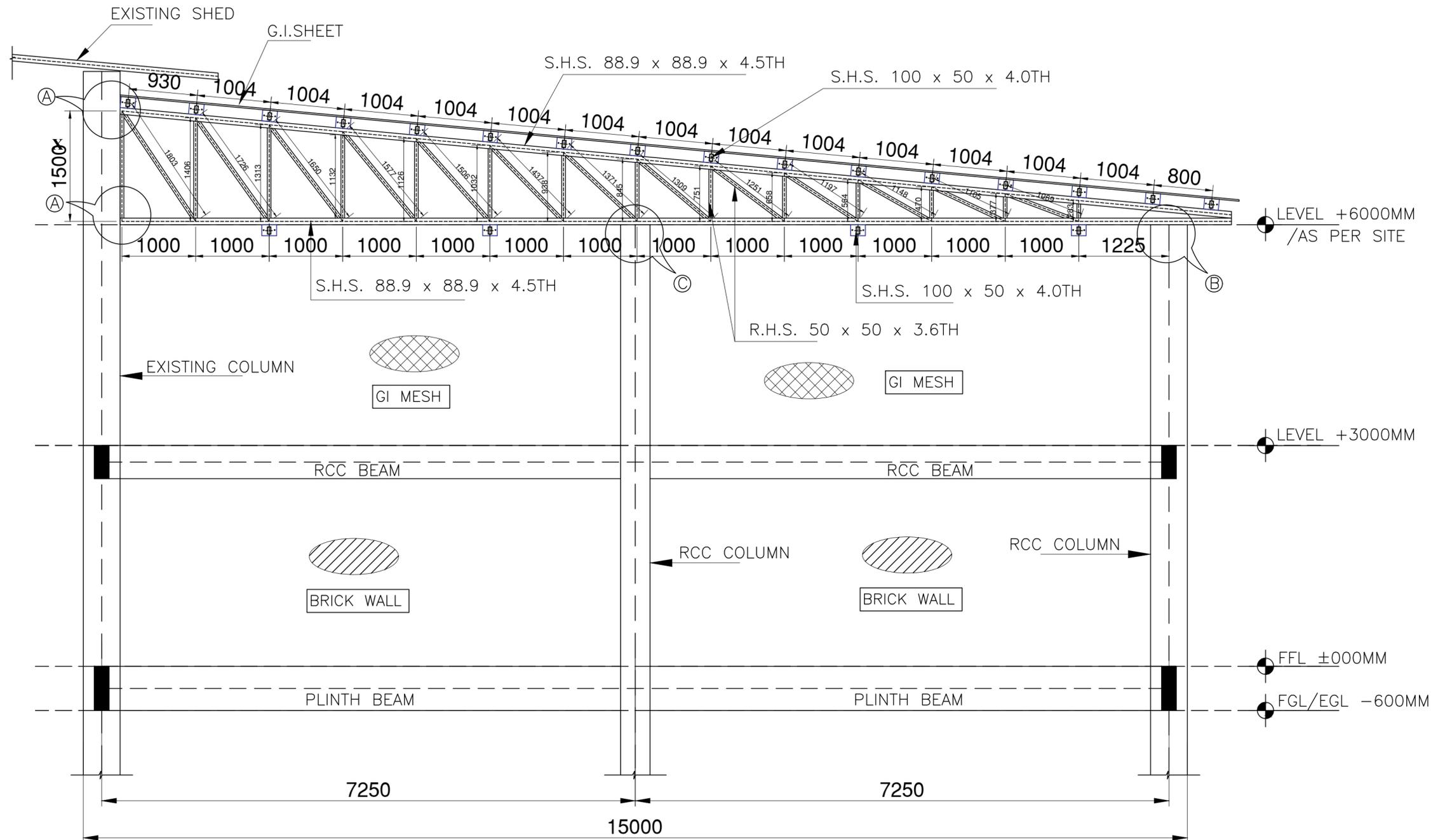
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PROJECT SPECIFICATION



SECTION DETAIL

REV	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
0	02-03-2026	ISSUED FOR APPROVAL	K.S.	V.S.	T.M.

CLIENT DETAIL		CONSULTANT	
PROJECT: MRF & MRC - GHATYA BLOCK UJJAIN M.P. DRAWN: K.S. 02-03-2026 CHECKED: V.S. 02-03-2026 APPROVED: T.M. 02-03-2026 SCALE: (N.T.S.)		CEE CENTER FOR ENVIRONMENTAL EDUCATION MCC MAGENDRA CONSTRUCTION & CONSULTANTS 1001101208 Floor, Cakkar Trade Center, New Rajpura Nagar, Raipur (C.B. 492001) 9842444444, 9842444444, 9842444444, 9842444444, 9842444444 (C) - 2011-2022 MCC	

DWG. NO.:	MC&C/CEE/S-02/STEEL-01/MP/2026	SHEET NO.:	8-02/STEEL-01	REV.:	0
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PROJECT SPECIFICATION

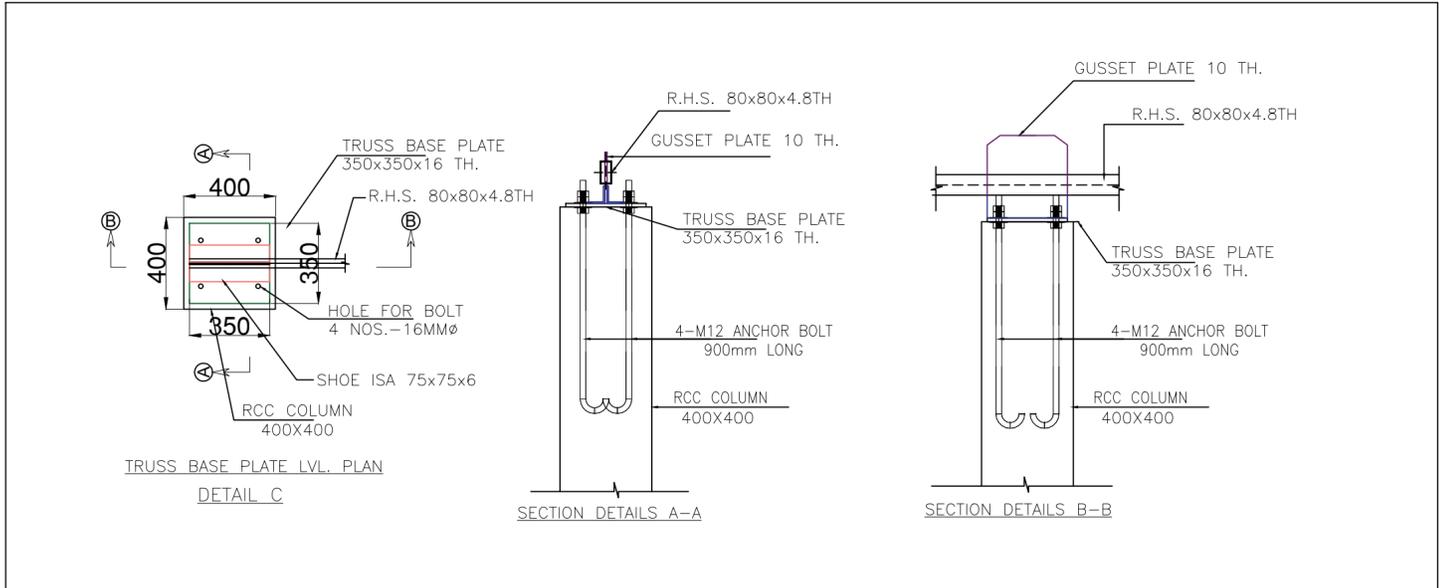
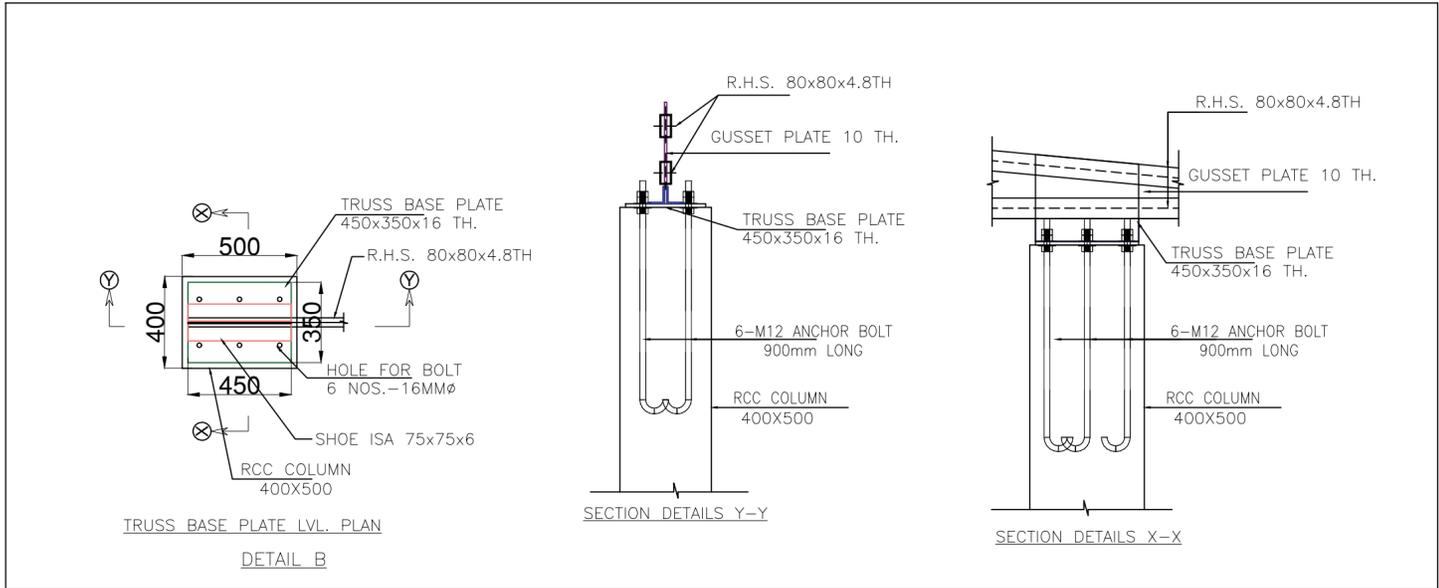
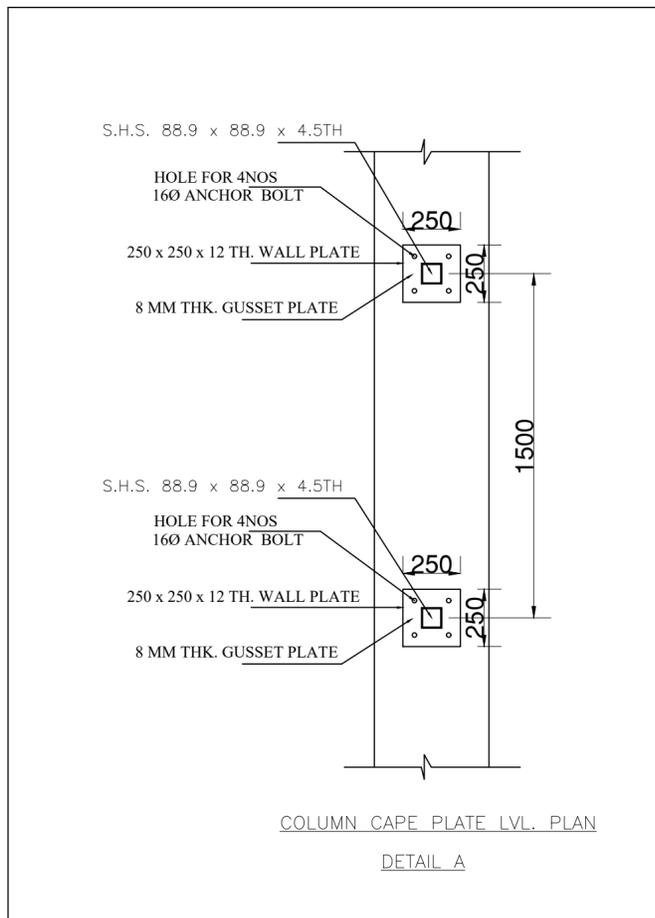
REV	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
0	02-03-2026	ISSUED FOR APPROVAL	K.S.	V.S.	T.M.

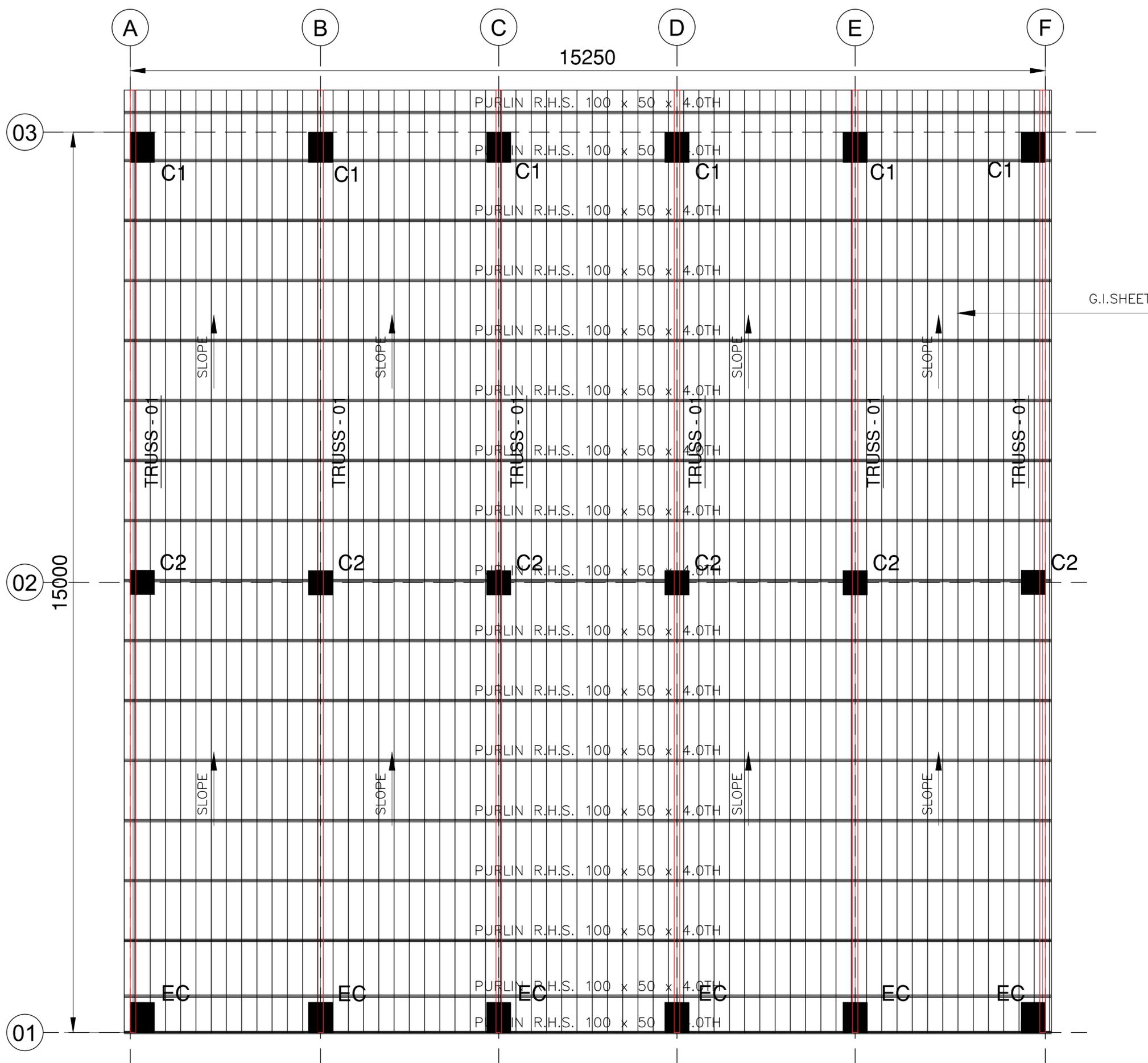
CLIENT DETAIL		CONSULTANT	
CEE CENTER FOR ENVIRONMENTAL EDUCATION		 MAGENDRA CONSTRUCTION & CONSULTANTS <small>1001111338 Floor, Cakran Trade Center, New Rajendra Nagar, Raipur (C.B. 492001) 9884444444, 9888888888, 9888888888, 9888888888, 9888888888, 9888888888 (C) - 2014-2022 www.mccraipur.com</small>	

PROJECT	MRF & MRC - GHATYA BLOCK UJJAIN M.P.	TITLE	CONNECTION
DRAWN	K.S. 02-03-2026	DETAIL	OF SHED 02
CHECKED	V.S. 02-03-2026	SCALE	1:2500 MM X 15000 MM
APPROVED	T.M. 02-03-2026		
SCALE	(N.T.S.)		

DWG. NO. :	MC&C/CEE/S-02/STEEL-02/MP/2026	SHEET NO.	REV.
		8-02/STEEL-02	0

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03

02

01

15250

15000

PURLINE LVL PLAN

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PROJECT SPECIFICATION

REV	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
0	02-03-2026	ISSUED FOR APPROVAL	K.S.	V.S.	T.M.

PROJECT		MRF & MRC - GHATYA BLOCK UJAIN M.P.	
DRAWN		K.S.	
CHECKED		V.S.	
APPROVED		T.M.	
SCALE		(N.T.S)	
DWG. NO. :		MC&C/CEE/S-02/STEEL-03/MP/2026	
SHEET NO. :		S-02/STEEL-03	
REV.		0	

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