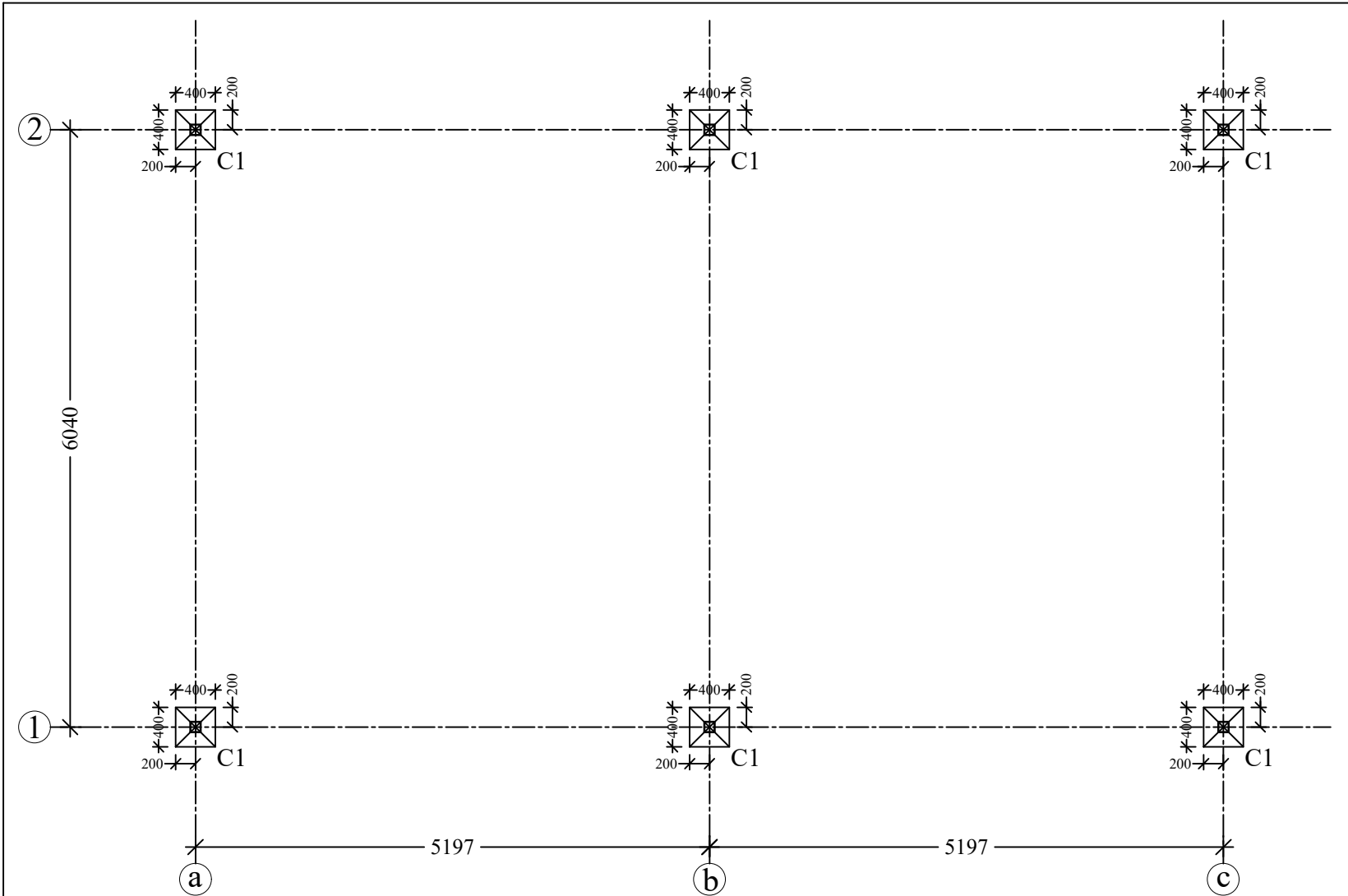
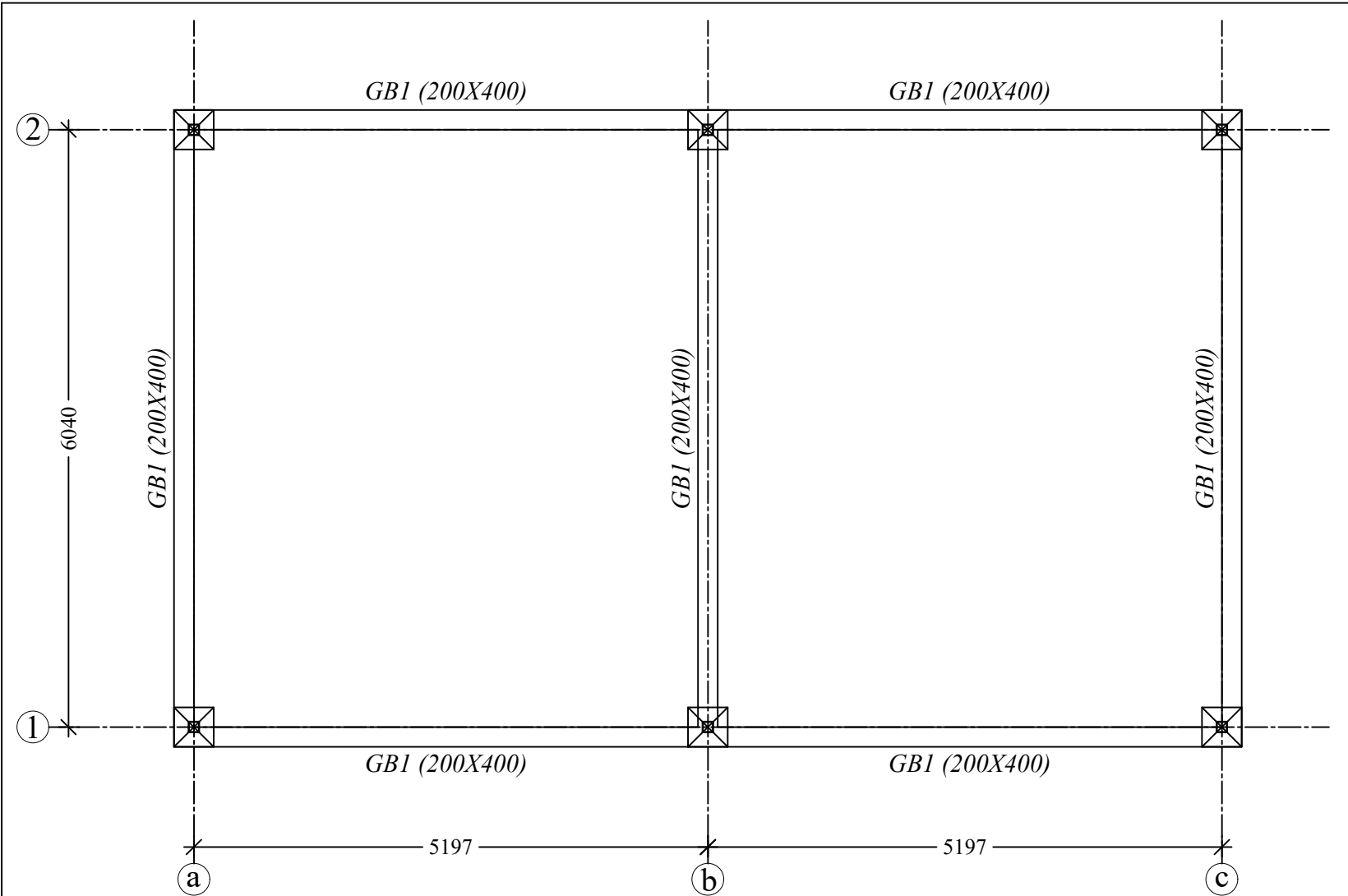
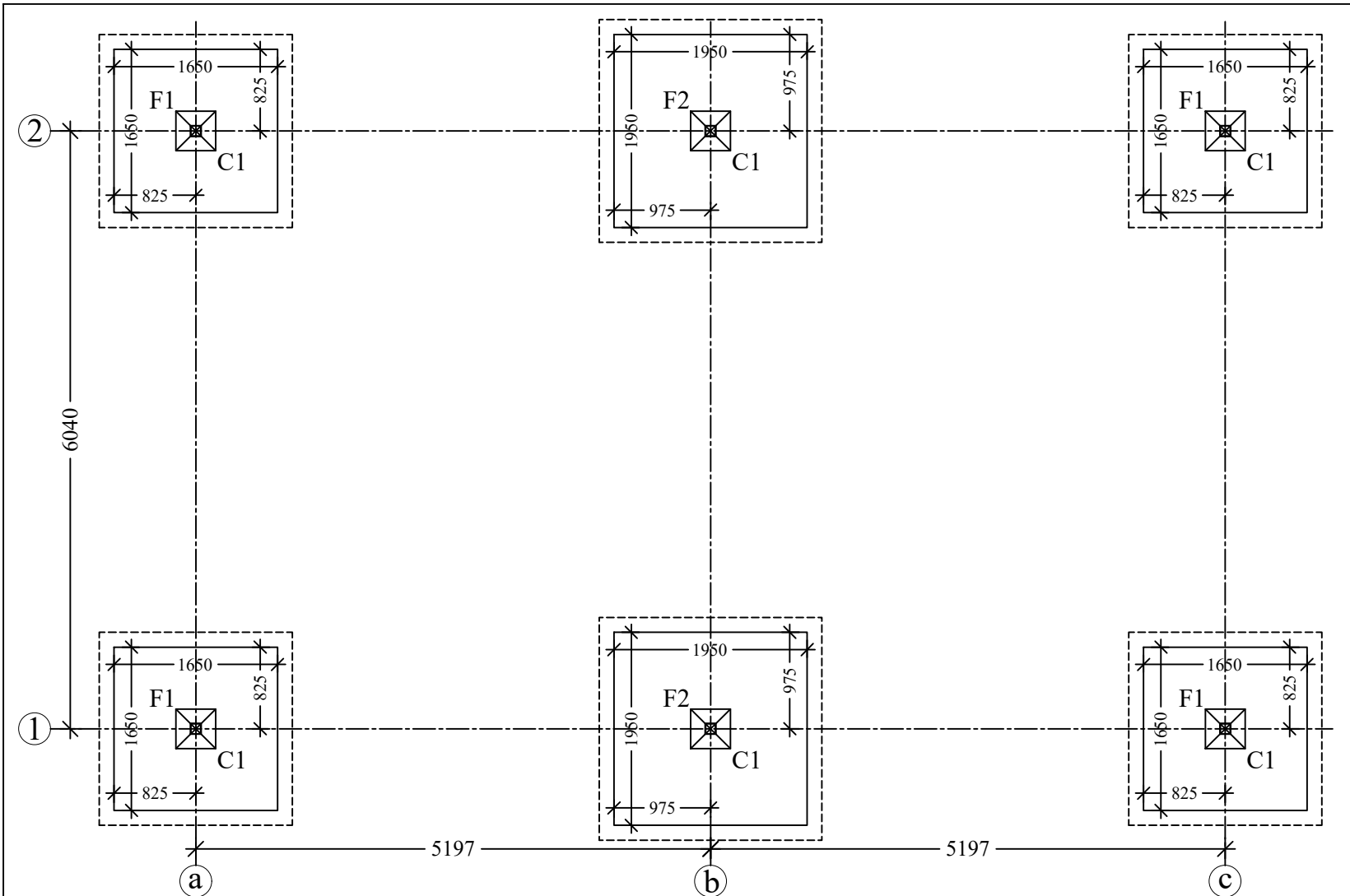




COLUMN CENTERLINE PLAN



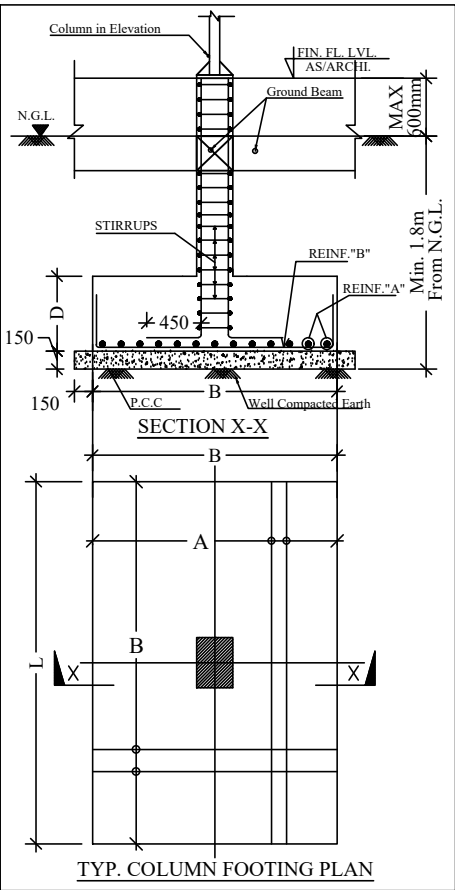
COLUMN CENTERLINE PLAN



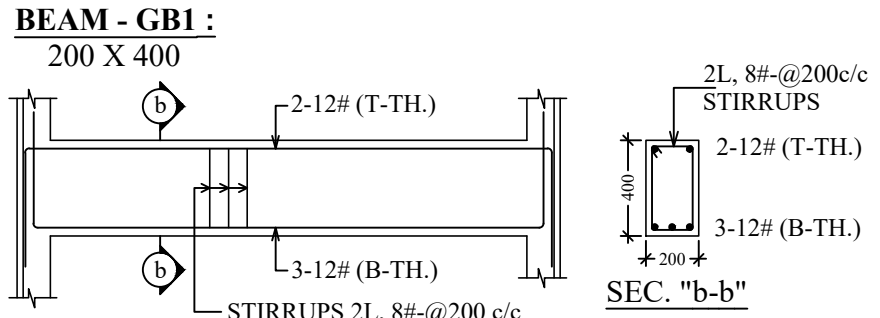
COLUMN CENTERLINE PLAN

FOOTING SCHEDULE (M20:Fe500)

FOOTING NUMBERS	FOOTING TYPE	FOOTING SIZE		D	BOTTOM REINFORCEMENT		TOP REINFORCEMENT	
		L	B		MAIN	DIST.	MAIN	DIST.
F1	BOX	1650	1650	450	T10-@200c/c	T10-@200c/c	T10-@250c/c	T10-@250c/c
F2	BOX	1950	1950	450	T10-@175c/c	T10-@175c/c	T10-@250c/c	T10-@250c/c



GROUND BEAM DETAIL



COLUMN SCHEDULE (M20:Fe500)

UP-TO TOP	M20 : Fe500	
	LINKS	
	2L-8#-@175mm c/c	
	400 X 400	
	4-T16+4-T12	
SIZE	400 X 400	
COLUMN MARKED	C1	

GENERAL NOTES

- ALL DIMENSIONS ARE IN MM ONLY WRITTEN DIMENSION ARE TO BE FOLLOWED. DIMENSIONS IN STRUCTURAL DRAWING SHOULD NOT BE SCALED.
- 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 CONSULTANT.
- M-20MIX- DESIGN MIX CONCRETE AND TMT BARS (FE-500) SHALL BE USED IN CONSTRUCTION.
- TIES SHOULD BE BEND INSIDE WITH 10# LENGTH, ANGLE 135° IN BEAM & COLUMN.



REINFORCING STEEL

- ALL REINFORCING STEEL WILL BE OF TESTED QUALITY CONFIRMING TO IS: 1786 LATEST.
- REFER TO HIGH YIELD STRENGTH DEFORMED BARS WITH CHARACTERISTIC STRENGTH OF 500 N/SQ.MM.
- 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.
- LAP LENGTH TO BE 50*DIA OF BAR MINIMUM.
- SLAB BARS IN SHORTER DIRECTION SHALL BE BELOW BARS FOR THE LONGER DIRECTION.
- IN BEAMS, FIRST STIRRUP SHALL BE AT NO MORE THAN 50MM FROM FACE OF THE SUPPORTING MEMBER.
- 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 WORK

- USE ALL INDIAN STANDARD ROLLED SECTION.
- IF THERE ANY JOINTS IN LONG MEMBERS NOT TO BE PROVIDED AT CENTER AND TO BE PROVIDED FOR FULL STRENGTH.
- ALL EDGES AND ENDS TO BE MACHINE CUT.
- ALL HOLES TO BE DRILLED (NOT PUNCHED) 1.5MM. LARGER IN DIAMETER THAN THAT OF BOLTS.
- ALL CLEAT OF ANGLE SECTION TO BE ISA.
- ALL WELDS TO BE PROVIDED (8MM. FILLET) FOR FULL STRENGTH.
- ALL COVER & STIFFENING PLATE ARE OF 8 MM THICK.
- FOLLOW - IS -800-2007 FOR STEEL WORK.
- YIELD STRENGTH :-250 N/MM2
- ALL COVER & STIFFENING PLATE ARE OF 6MM. THICK.
- FOLLOW -IS-2062 FOR HOT ROLLED MEDIUM AND HIGH TENSILE STRUCTURAL STEEL SPECIFICATION.
- FOLLOW- IS- 1161 FOR RECTANGULAR HOLLOW SECTION.

PROJECT SPECIFICATION

- THE NET SAFE BEARING CAPACITY OF SOIL IS TAKEN AS 10.0 TON/M2 AT 1.80m DEPTH FROM THE NGLAS PER CLIENT.

SIGNING AUTHORITY

PROJECT FACILITATOR:-	PROJECT LEADER:-
SITE ENGINEER :-	CONSULTANT :-

ISSUED FOR APPROVAL	V.S.	S.B.	S.B.
REV	DATE	DESCRIPTION	DRAWN CHECKEDAPPROVED

STRUCTURAL CONSULTANT

ER. SHUBHAM BAKSHI
S.Y. VENTURES
B.E., M.Tech(Structure Engineer)
Address- ASHWANI NAGAR, MAHADEV GHAT ROAD, Raipur (C.G.)
Mobile No-8827861261,7000511200

DWG. NO. :	CREDASOLAR/15.0KW/EL/STR/001	SHEET NO.	REV.
		CON-01/2025	

CLIENT DETAIL		TITLE :
PROJECT	CREDASOLAR/15.0KW/EL/STR/001	
DRAWN	V.S. [01.01.2025]	
CHECKED	S.B. [01.01.2025]	
APPROVED	S.B. [01.01.2025]	
SCALE	N.T.S.	COLUMN, FOOTING CENTERLINE & GROUND BEAM DETAILS