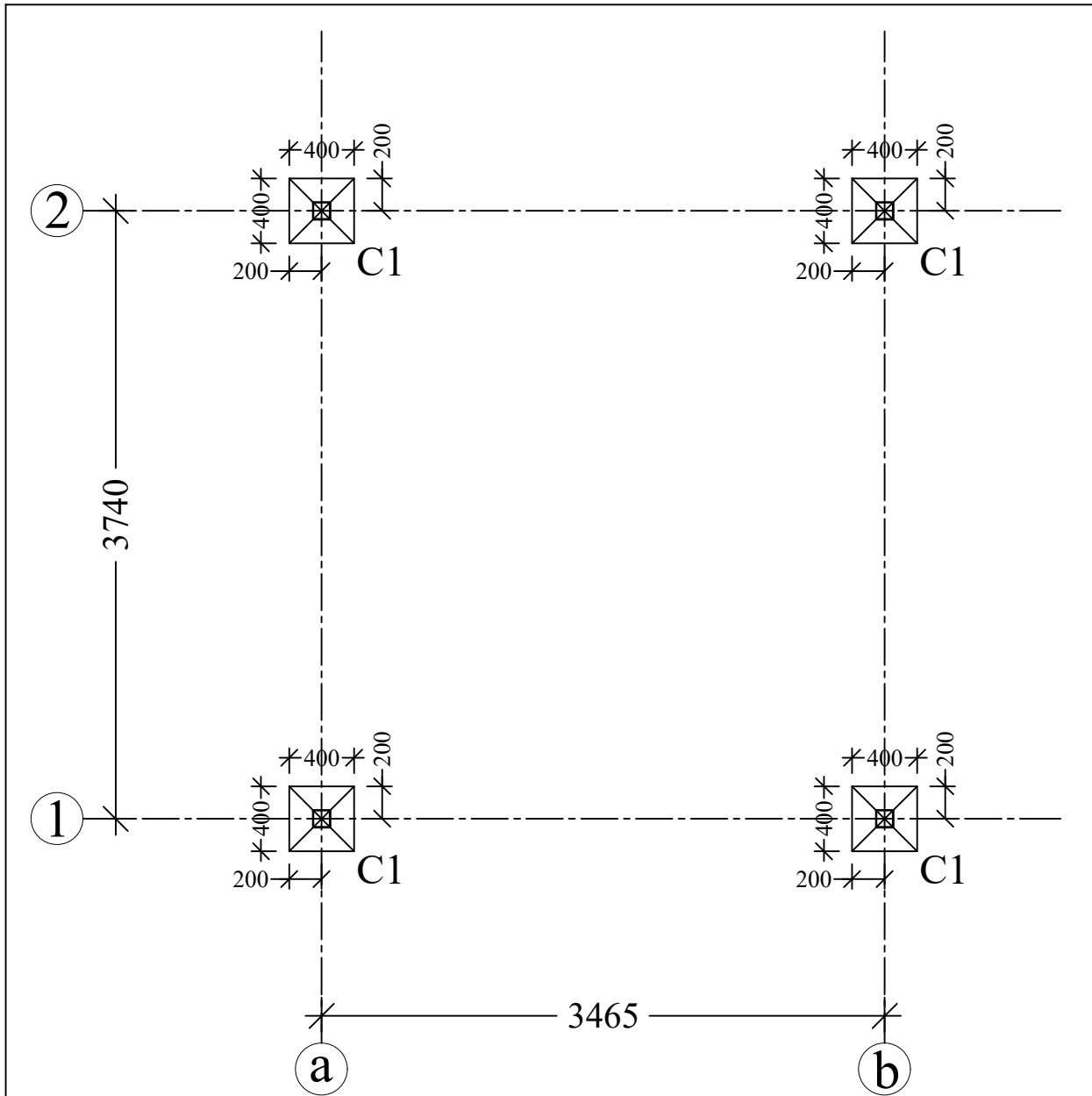
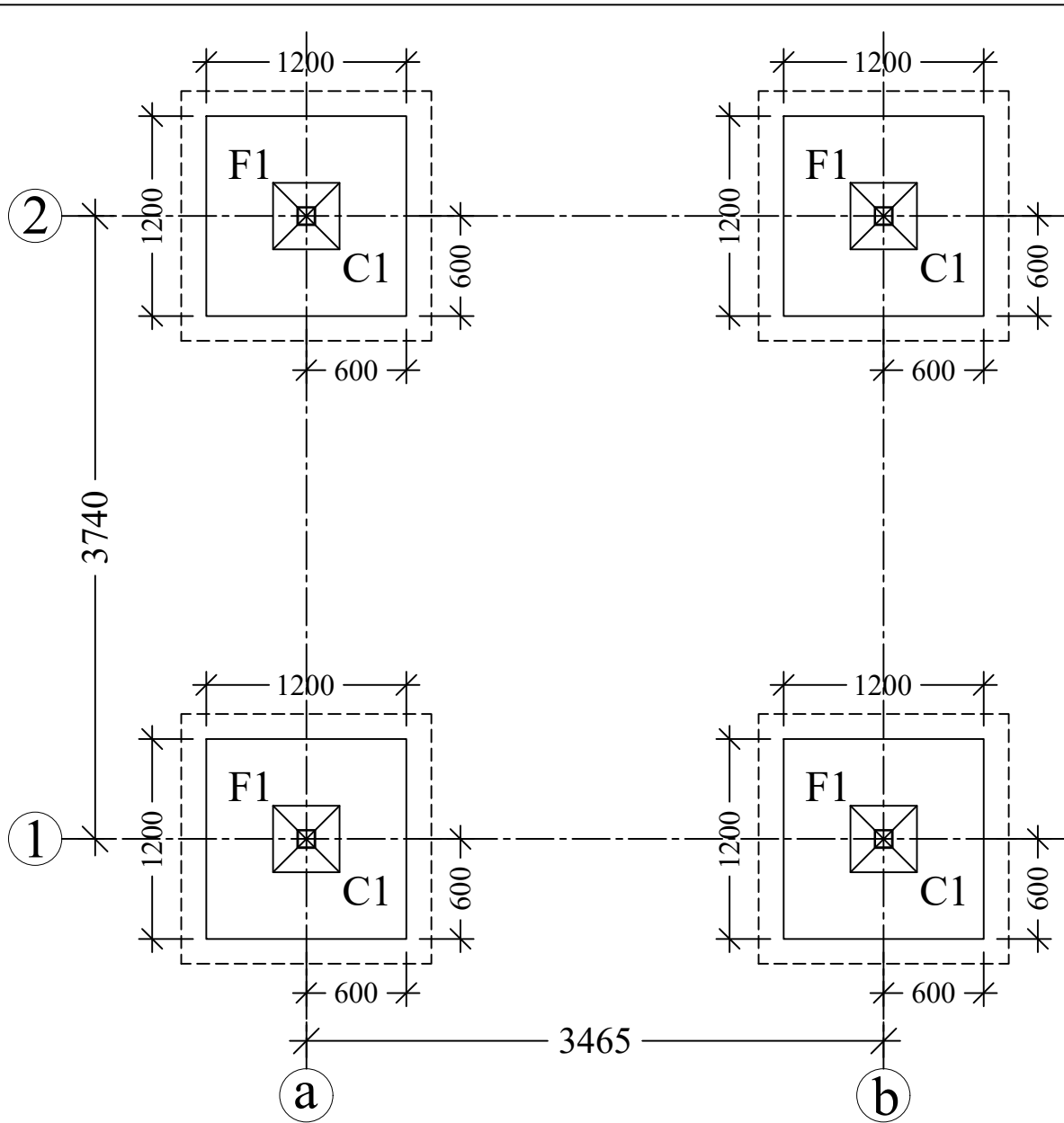
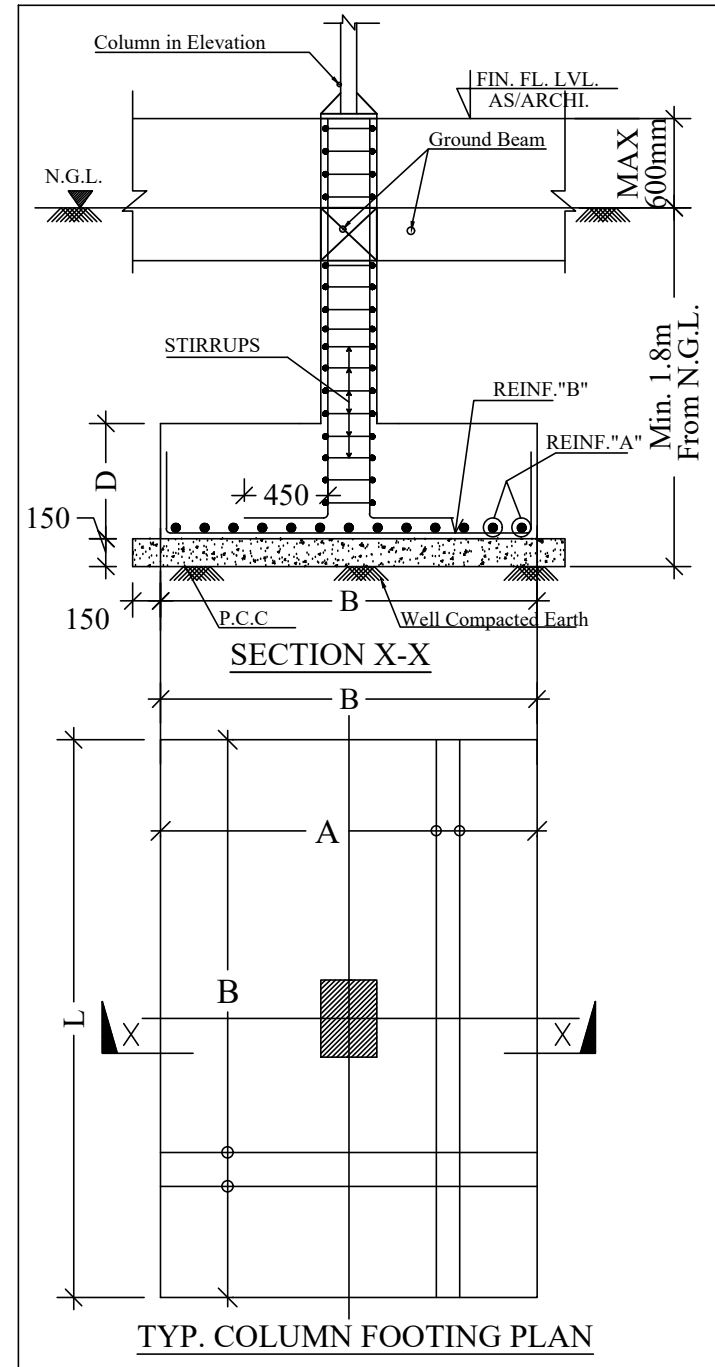




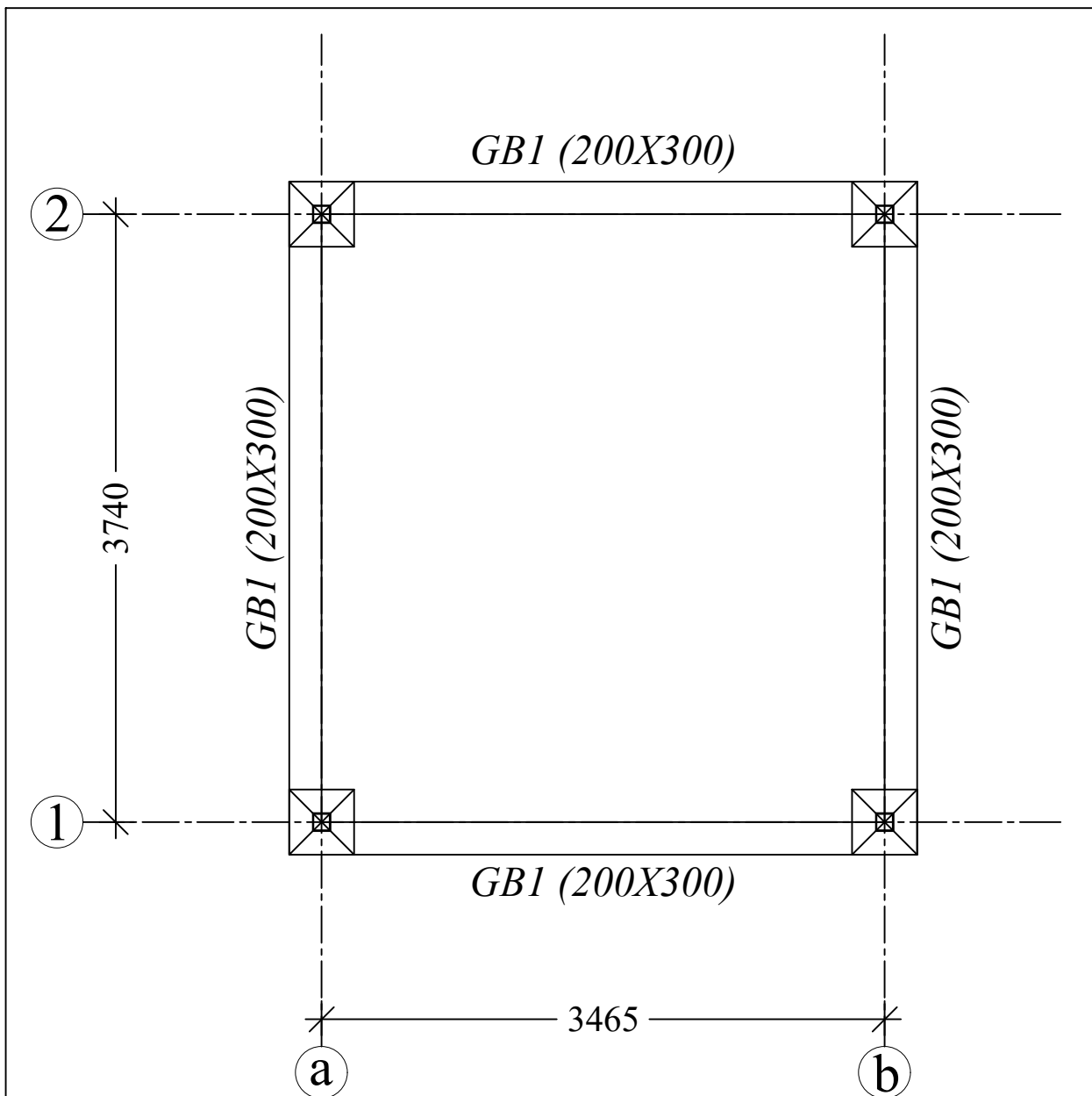
COLUMN CENTERLINE PLAN



FOOTING CENTERLINE PLAN

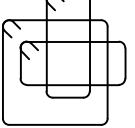
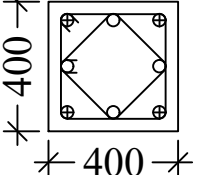


TYP. COLUMN FOOTING PLAN

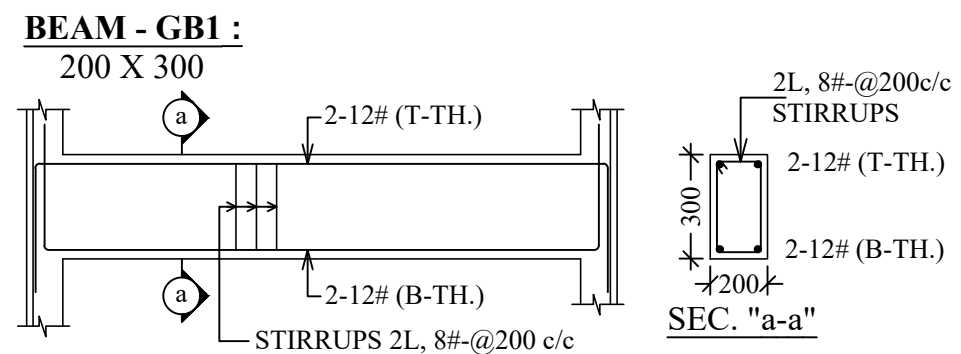


GROUND BEAM PLAN

### COLUMN SCHEDULE (M20:Fe500)

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

### GROUND BEAM DETAIL



### FOOTING SCHEDULE (M20:Fe500)

| FOOTING NUMBERS | FOOTING TYPE | FOOTING SIZE |      | D   | BOTTOM REINFORCEMENT |             | TOP REINFORCEMENT |             |
|-----------------|--------------|--------------|------|-----|----------------------|-------------|-------------------|-------------|
|                 |              | L            | B    |     | MAIN                 | DIST.       | MAIN              | DIST.       |
| F1              | BOX          | 1200         | 1200 | 375 | T10-@200c/c          | T10-@200c/c | T10-@250c/c       | T10-@250c/c |

### 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                                                 | CHECKED | APPROVED                   |      |
| STRUCTURAL CONSULTANT                                                                                                                                                                                                                                                                             |        |                     |                                                       |         |                            |      |
| <div><div><b>ER. SHUBHAM BAKSHI</b><br/>S.Y. VENTURES<br/>B.E., M.Tech (Structure Engineer)<br/>Address- ASHWANI NAGAR, MAHADEV<br/>GHAT ROAD, Raipur (C.G.)<br/>Mobile No-8827861261,7000511200</div></div> |        |                     |                                                       |         |                            |      |
| DWG. NO. :                                                                                                                                                                                                                                                                                        |        |                     | CREDA/SOLAR/4.0KW/STR/001                             |         | SHEET NO. :<br>CON-01/2025 |      |
| PROJECT                                                                                                                                                                                                                                                                                           |        |                     | CLIENT DETAIL                                         |         |                            |      |
|                                                                                                                                                                                                                                                                                                   |        |                     | CREDA, RAIPUR, GROUND MOUNTED<br>4KW SOLAR STRUCTURE. |         |                            |      |
| DRAWN                                                                                                                                                                                                                                                                                             | V.S.   | 01.01.2025          | TITLE :                                               |         |                            |      |
| CHECKED                                                                                                                                                                                                                                                                                           | S.B.   | 01.01.2025          | COLUMN, FOOTING                                       |         |                            |      |
| APPROVED                                                                                                                                                                                                                                                                                          | S.B.   | 01.01.2025          | CENTERLINE & GROUND                                   |         |                            |      |
| SCALE                                                                                                                                                                                                                                                                                             | N.T.S. |                     | BEAM DETAILS                                          |         |                            |      |