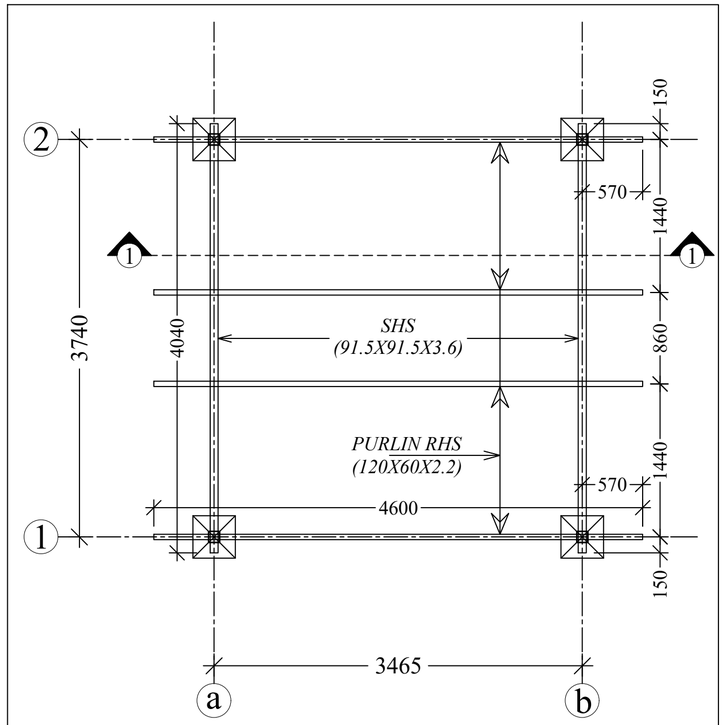
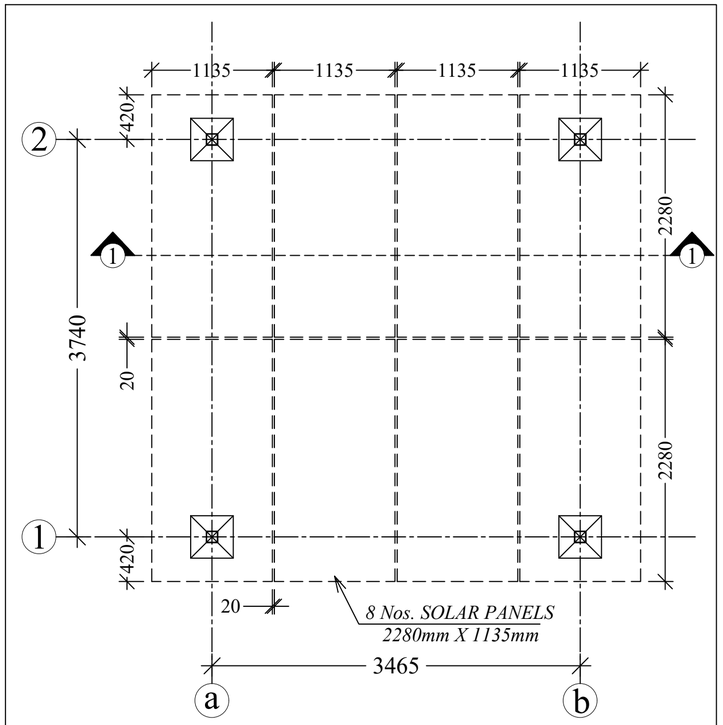
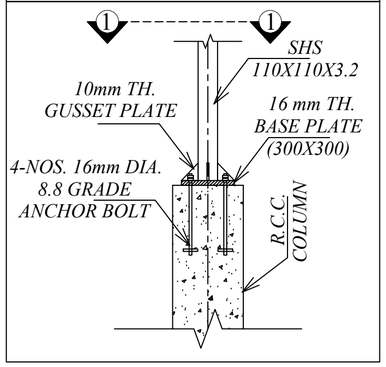


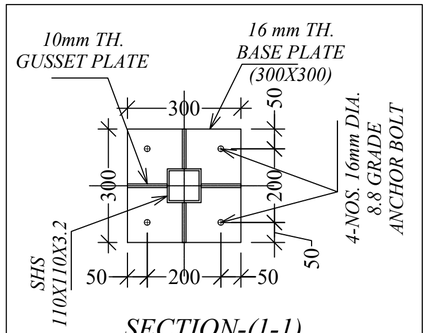
SOLAR FRAMING PLAN



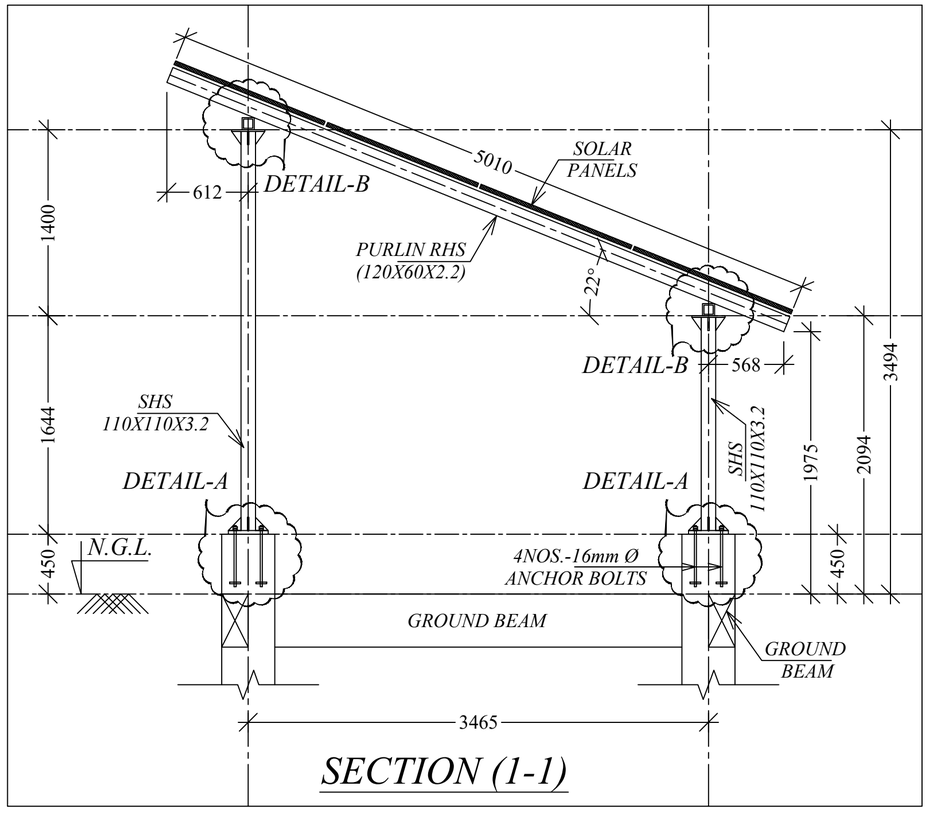
SOLAR PANEL PLAN

DETAIL-A



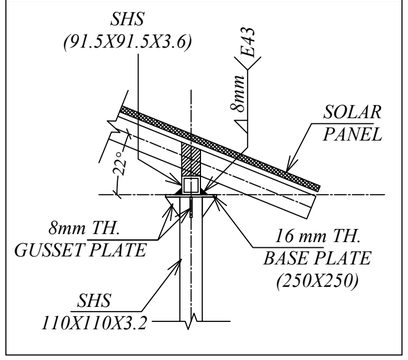


SECTION-(1-1)

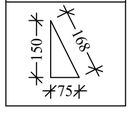


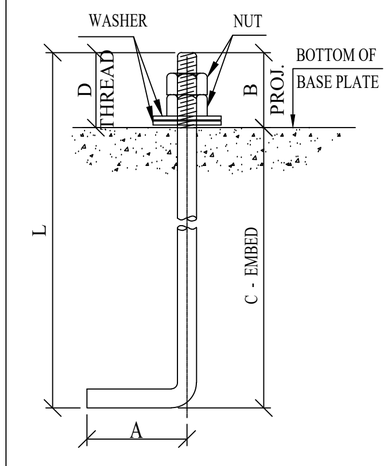
SECTION (1-1)

DETAIL-B



10mm TH. GUSSET PLATE DETAILS





L (16 Dia.) = 600mm

TYPICAL DETAILS OF 16ø ANCHOR BOLT

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 CONSULTANT.
3. M-20MIX- 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 50MM 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 WORK

1. USE ALL INDIAN STANDARD ROLLED SECTION.
2. IF THERE ANY JOINTS IN LONG MEMBERS NOT TO BE PROVIDED AT CENTER AND TO BE PROVIDED FOR FULL STRENGTH.
3. ALL EDGES AND ENDS TO BE MACHINE CUT.
4. ALL HOLES TO BE DRILLED (NOT PUNCHED) 1.5MM. LARGER IN DIAMETER THAN THAT OF BOLTS.
5. ALL CLEAT OF ANGLE SECTION TO BE ISA.
6. ALL WELDS TO BE PROVIDED (8MM. FILLET) FOR FULL STRENGTH.
7. ALL COVER & STIFFENING PLATE ARE OF 8 MM THICK.
8. FOLLOW - IS -800-2007 FOR STEEL WORK.
9. YIELD STRENGTH :-250 N/MM2
10. ALL COVER & STIFFENING PLATE ARE 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

1. 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 :-

REV	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
-		ISSUED FOR APPROVAL	V.S.	S.B.	S.B.

STRUCTURAL CONSULTANT

JUST STRUCTURE

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. :	CREDA/SOLAR/4.0KW/STR/002	SHEET NO.	REV.
		CON-02/2025	

CLIENT DETAIL

PROJECT	CREDA, RAIPUR, GROUND MOUNTED 4KW SOLAR STRUCTURE.		
DRAWN	V.S. 01.01.2025	TITLE :	SUPER-STRUCTURE DETAILS
CHECKED	S.B. 01.01.2025		
APPROVED	S.B. 01.01.2025		
SCALE	N.T.S.		