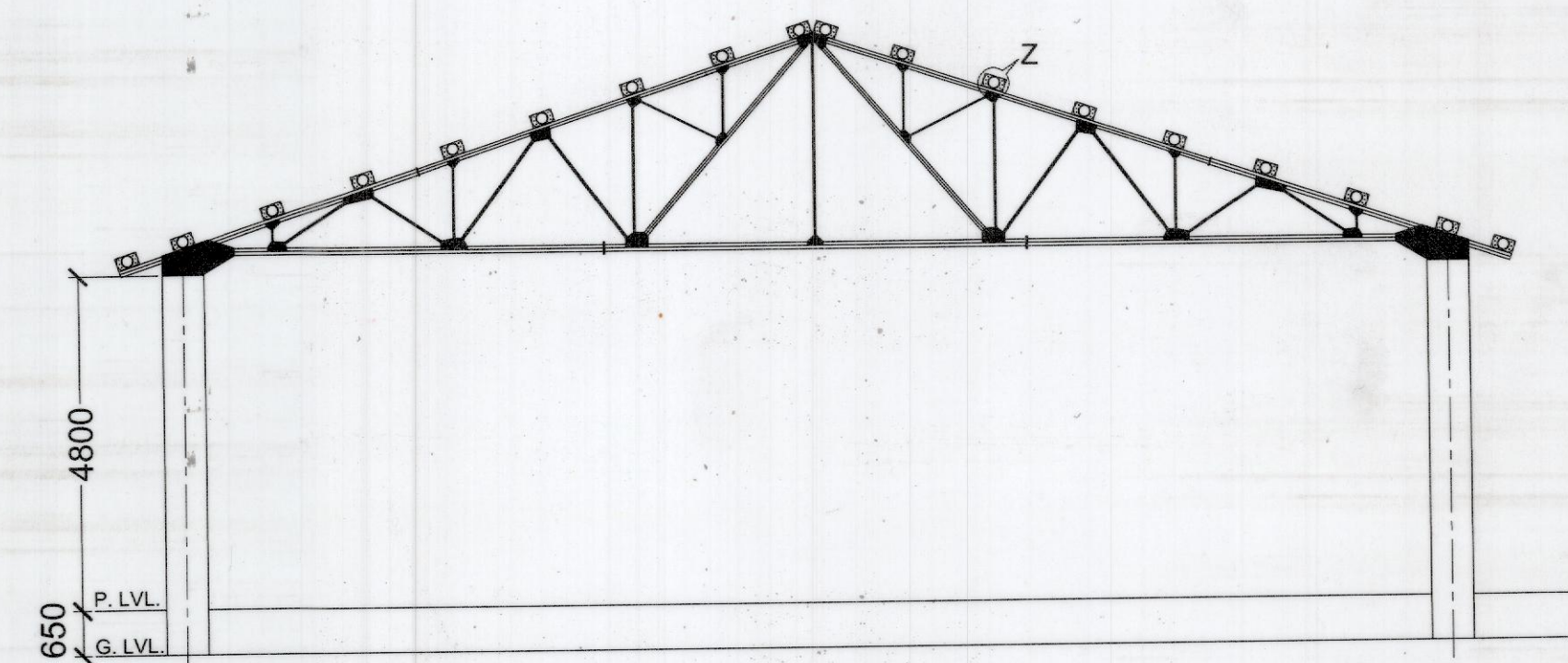
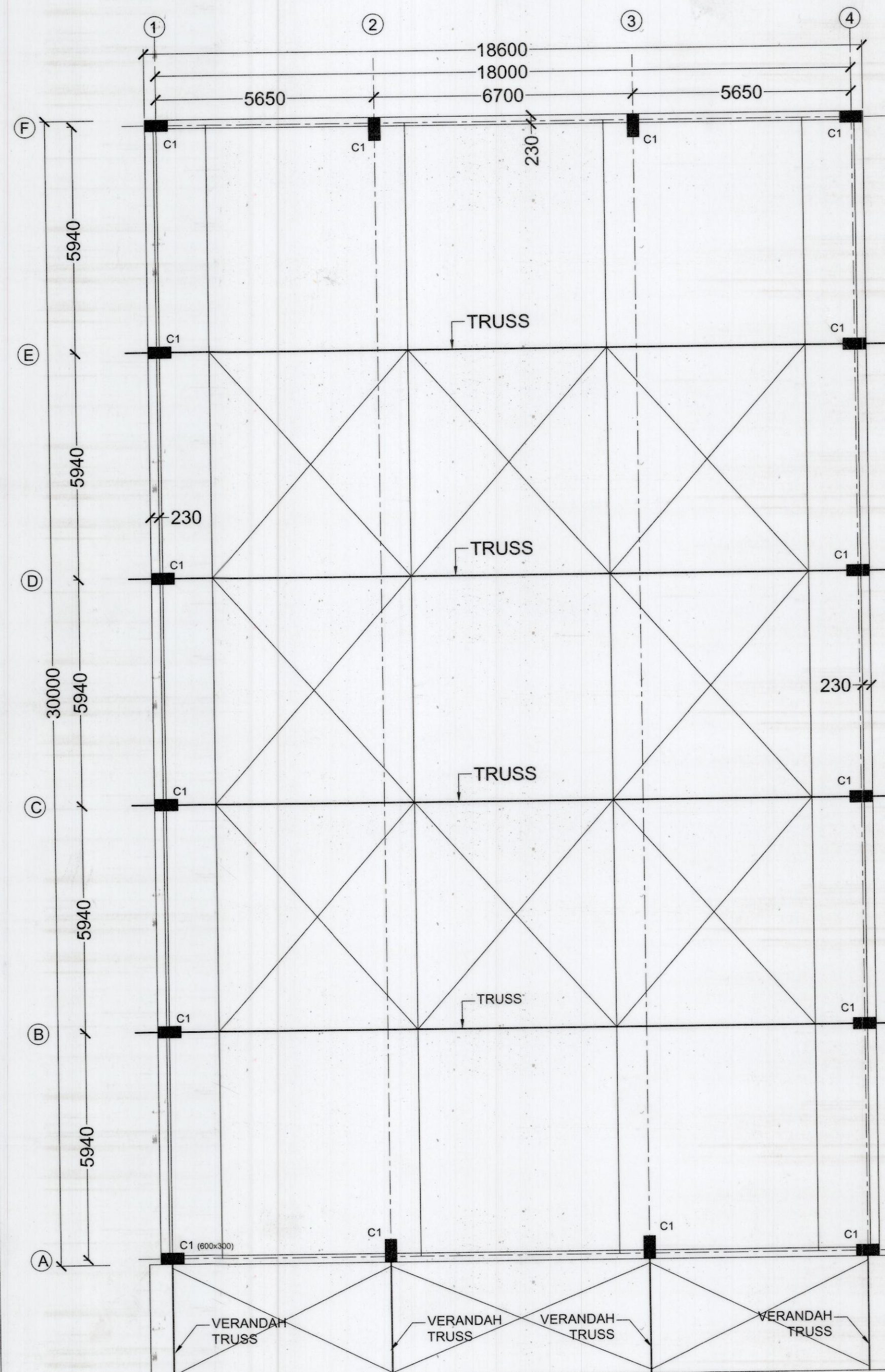
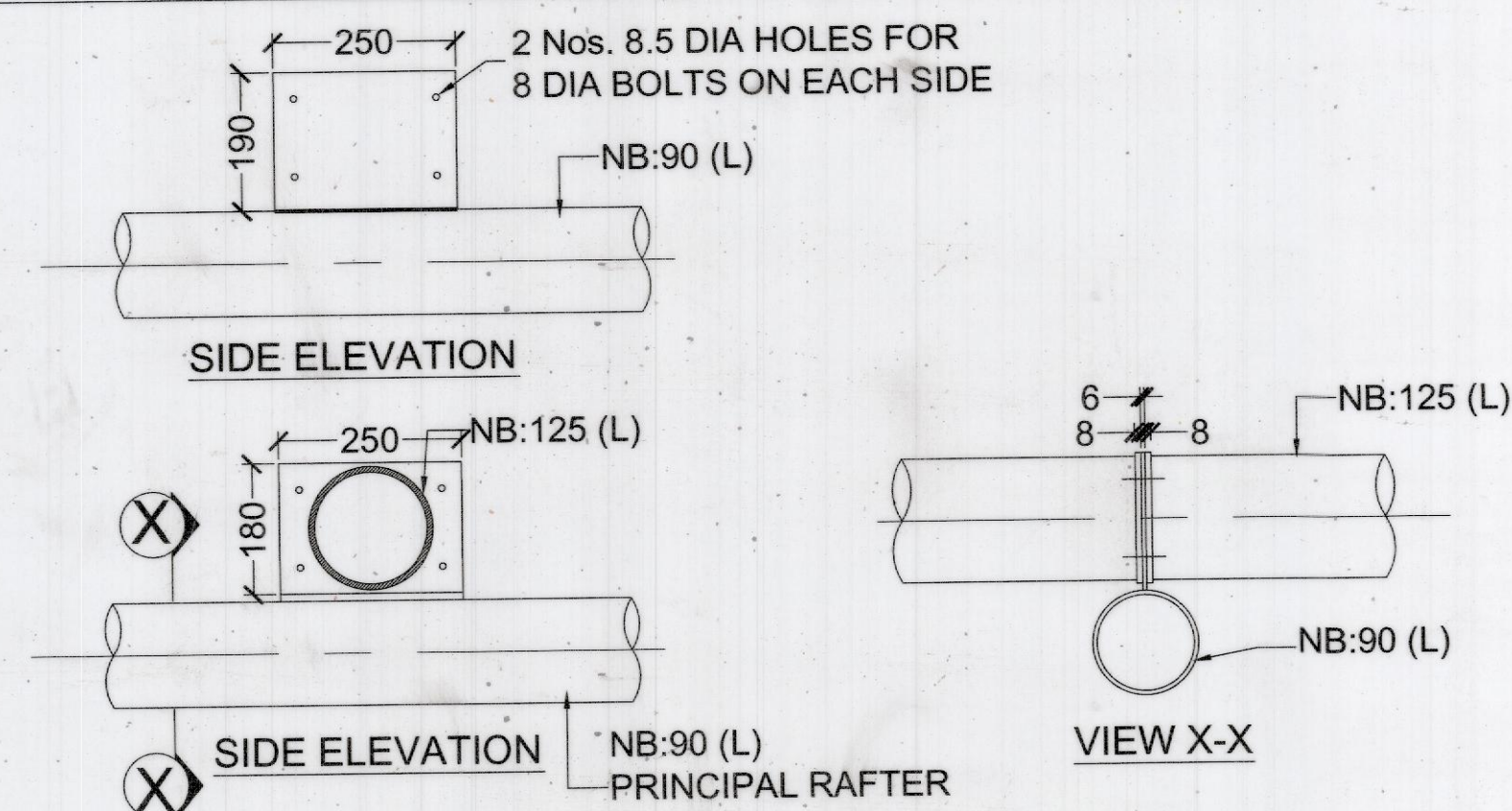
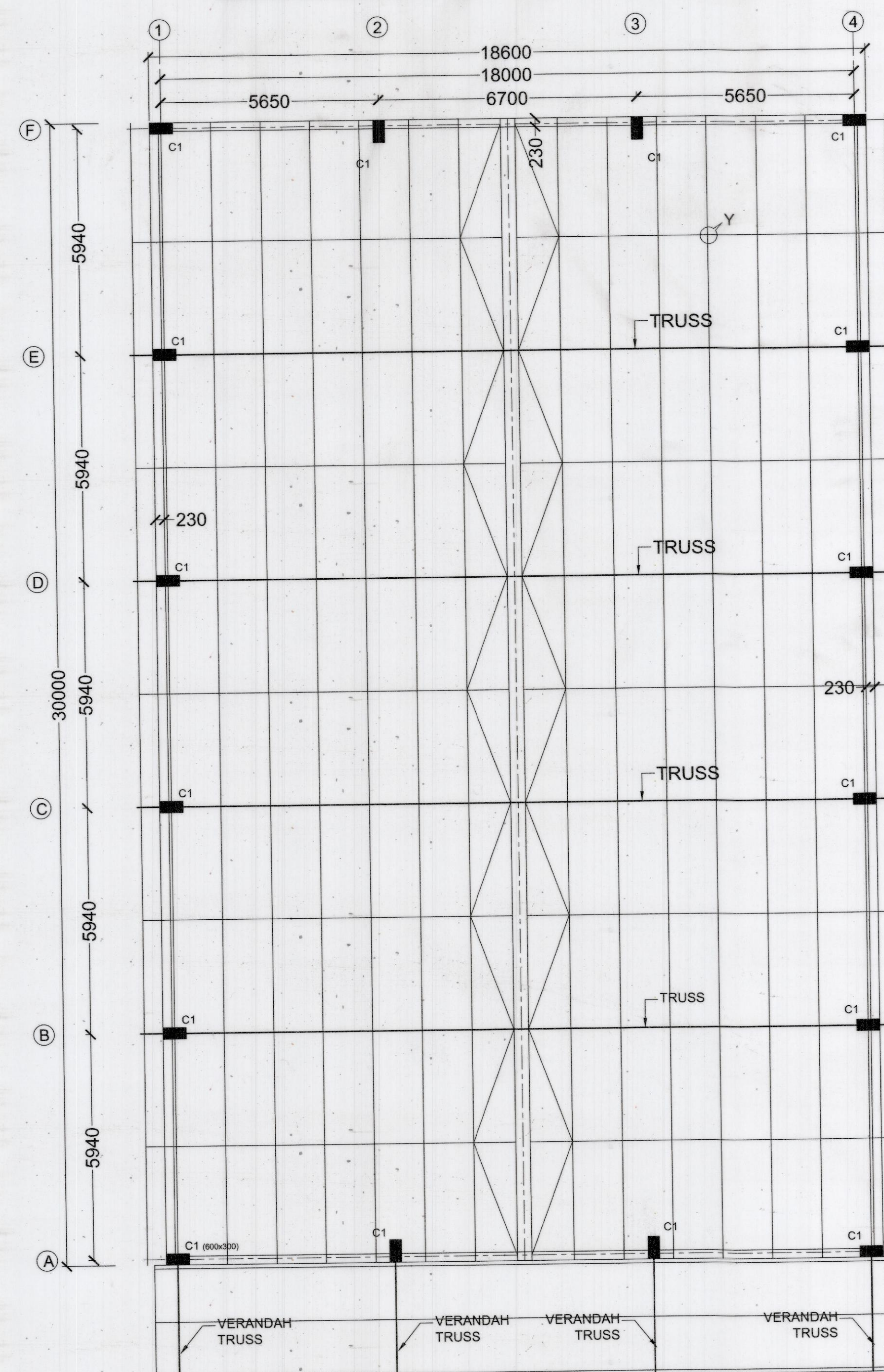
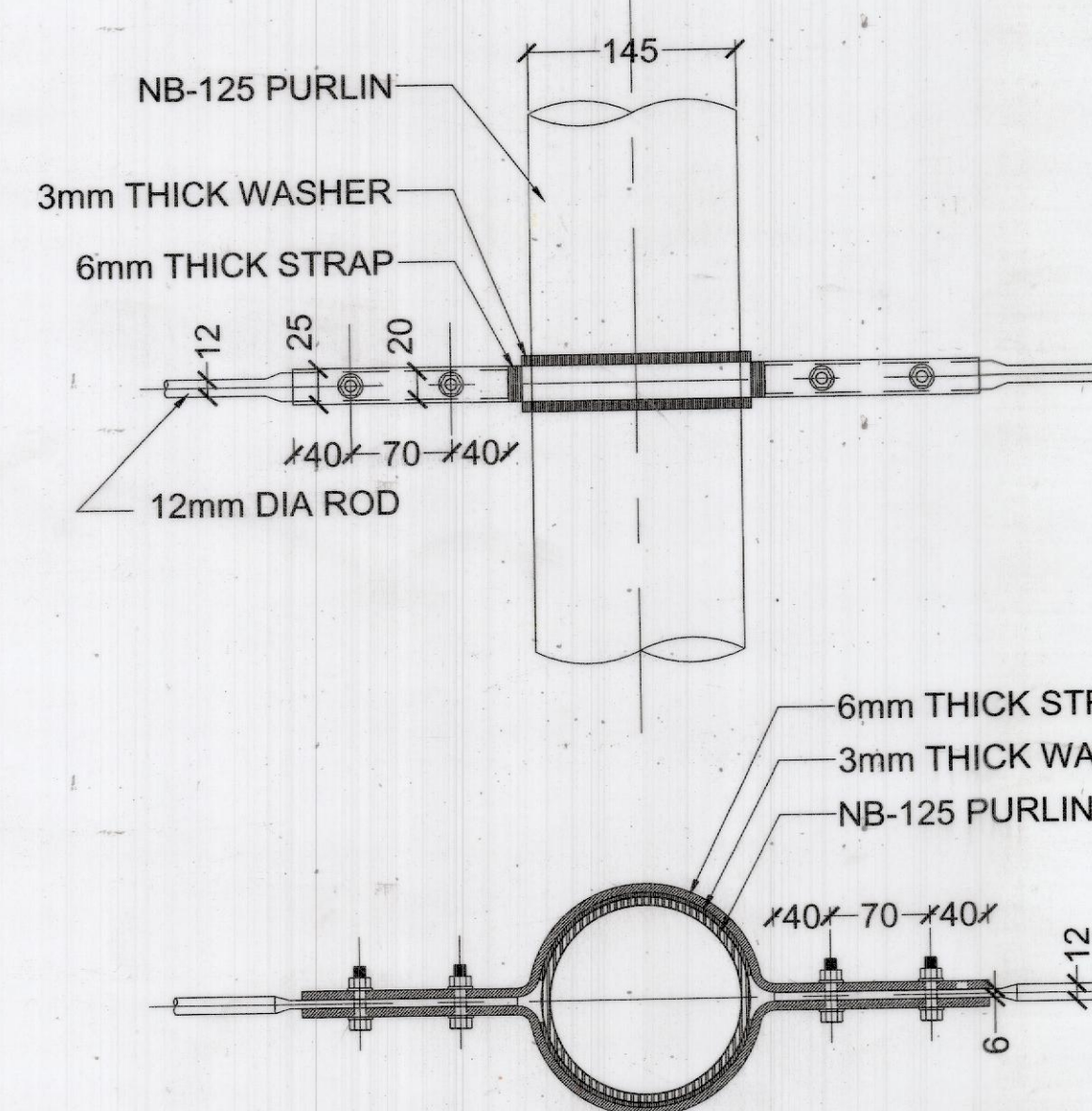




TUBULAR TRUSS FOR A SPAN OF 18.0m - SECTIONAL ELEVATION A - A

PLAN - FOR POSITION OF MAIN & VERANDAH TRUSS
AND BOTTOM TIE LEVEL BRACINGDETAIL AT 'Z'
FIXING ARRANGEMENT OF PURLINS WITH PRINCIPAL RAFTER

PLAN - FOR PURLINS AND TOP BRACING

DETAIL AT 'Y'
FIXING ARRANGEMENT OF SAG RODS WITH PURLINS

NOTES

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- FOR G.A. PLAN REFER N.R.H.Q.E. PLAN No.: HQ/08/10-2015.
- ALL MEMBERS AND FIXING ARRANGEMENTS OF THE TRUSS HAVE BEEN PREPARED AS PER SP-38.
- ALL HOLES ARE 21.5 Ø FOR 20 Ø BOLTS / RIVETS EXCEPT WHERE OTHERWISE STATED.
- EXACT SIZE OF ALL THE MEMBERS, GUSSET PLATES & RIB PLATES TO BE DETERMINED IN TEMPLATE SHOP.
- ALL FILLET WELDS ARE 8mm THICK.
- IF PROPOSED SECTION ARE NOT AVAILABLE HEADQUARTER OFFICE TO BE APPROACHED FOR ALTERNATIVE SECTIONS.
- MINOR MODIFICATIONS MAY BE DONE AT SITE / WORKSHOP.
- WELDING SHOULD BE DONE IN ACCORDANCE WITH IS:9595.
- NECESSARY HEAT TREATMENT SHOULD BE GIVEN BEFORE AND AFTER WELDING WHEREVER REQUIRED.
- THE ELECTRODES SHALL CONFORM TO IRS SPECIFICATION M-28-1966.
- WELDING SHOULD BE DONE BY TRAINED WELDER UNDER THE SUPERVISION OF QUALIFIED PERSON ONLY.
- DESIGN IS BASED ON I.R.S. WELDING BRIDGE CODE.
- WELDING OF GIRDER SHALL BE DONE BY SAW TO IS:4353. ALL BUTT WELDS ARE TO BE EXAMINED RADIOGRAPHIC OR BY ANY EQUALLY EFFECTIVE NON DESTRUCTIVE TEST METHOD.
- ALL WELD WILL BE IN FULL LENGTH AROUND THE MEMBERS AT EACH JOINT.
- ALL WELDING SHALL AS PER MANUFACTURE'S GUIDE LINES.
- WELDING ROD SHALL BE AS PER I.S. SPECIFICATION IN CONFORMITY WITH STEEL OF GRADE FY-310MPa.
- EXACT DISTANCE BETWEEN LACING AND EXACT LENGTH OF ALL THE MEMBERS SHOULD BE DECIDED IN TEMPLATE SHOP.
- ALL OPEN ENDS OF TUBES SHOULD BE SEALED BY SUITABLE CAP PLATE.
- FEASIBILITY OF THIS STRUCTURE SHALL BE CHECKED AT SITE IN EVERY RESPECT BY THE ENGINEER-IN-CHARGE BEFORE FABRICATION / ERECTION.
- ALL THE JOINTS ARE WELDED TO AFFORD FULL RIGIDITY IN COMPLIANCE TO CI. 3.4.5 OF IS:800-1984 (SPACE FRAME).
- FABRICATION FOR THE ONE PANEL SHOULD BE DONE INITIALLY TO EXAMINE TO AESTHETICS AND GENERAL LOOK OF THE STRUCTURE, IF FOUND SUITABLE, MAY BE CARRIED OUT FURTHER.
- FIXTURES ETC. SHALL NOT BE ATTACHED TO MEMBERS BY CUTTING / DRILLING ETC.
- IN BOLTED CONNECTIONS, PROPER TIGHTENING AND ADEQUATE PRECAUTIONS AGAINST LOOSENING OF BOLTS SHALL BE ENSURED.
- ALL TUBES SHOULD BE AS PER BIS: 4923. (ERTHING RESISTED WATER) ERW PIPES WILL BE USED WITH YIELD STRESS AT 240 N/mm².
- FOR MEMBER SPLICING, MANUFACTURER SPECIFICATION SHALL BE FOLLOWED.
- PRIER AND PAINT AS PER IS CODE AND SPECIFICATIONS.
- ALL BRACING DETAILS TO BE PROVIDED AS PER SP-38.

DRAWN (THOMSON C.F.) SE/DSN (BIBHA CHANDRA) SSE/DSN (K.P. DANGI)			NORTHERN RAILWAY TYPE PLAN MECHANIZED LAUNDRY	
SCALE : 1:40, 1:10 & 1:5			H.Q. CASE NO. 104-W/O/PT-III	
CALCULATION FILE:			N.R.DIVL. PLAN NO. P-44/2015	
N.R.H.Q.E. PLAN NO. HQ/08/10 /2015			SHEET NO. 4	