



JGV ENGENHARIA

JGV Engenharia is a company that stands out for the quality of its structural calculations within National and International Standards, seeking the minimal structural weight and consequently the lowest cost and the primacy in the detailed projects for manufacturing. JGV Engenharia has over 20 years of experience in calculation, executive design, detailed design for manufacturing, manufacture of various equipment (we provide drawings to be sent directly to CNC machines) and assembly. We create economical solutions for the greatest adversities of the assembly sites.

The company stands out with services provided in all of Brazil, establishing a professional concept through advanced technical capacity and reliability from our customers, looking for excellence in their projects.

OUR MISSION

Develop and provide Metal Structures projects, through solutions that meet the needs of our customers, always seeking quality and continuous improvement of our services.

JGV has been competing for the structural engineering talent award for 10 years. Here are our running jobs:



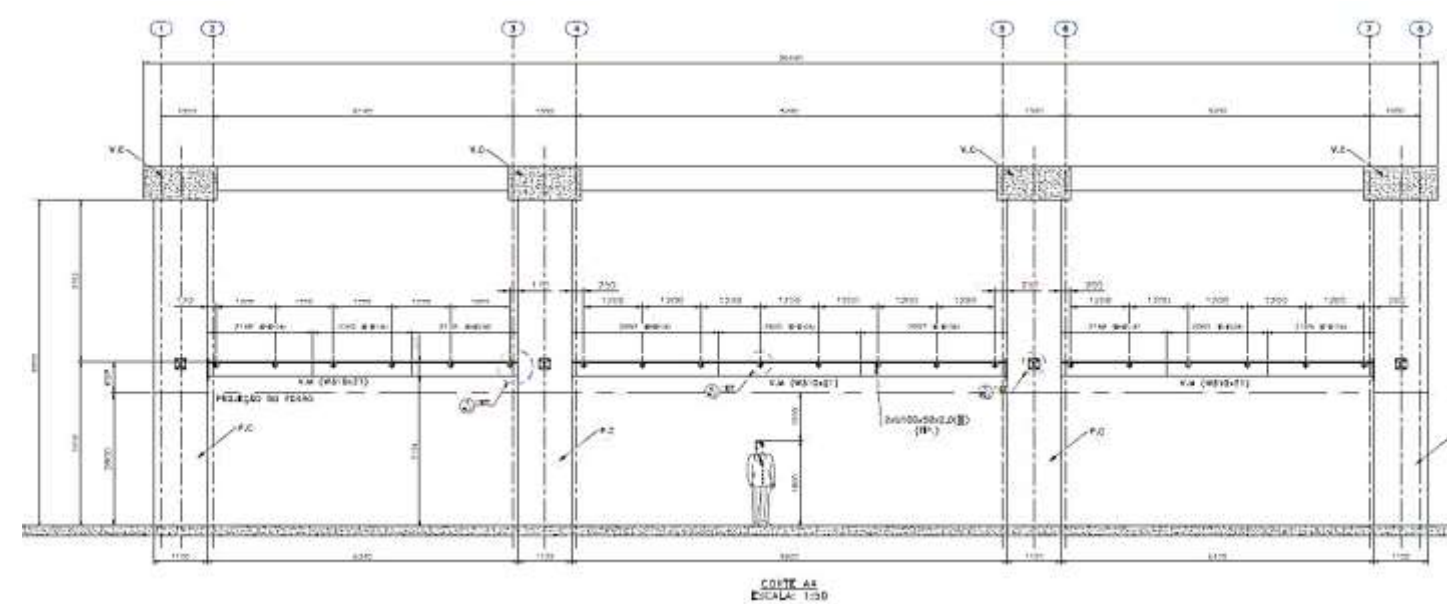
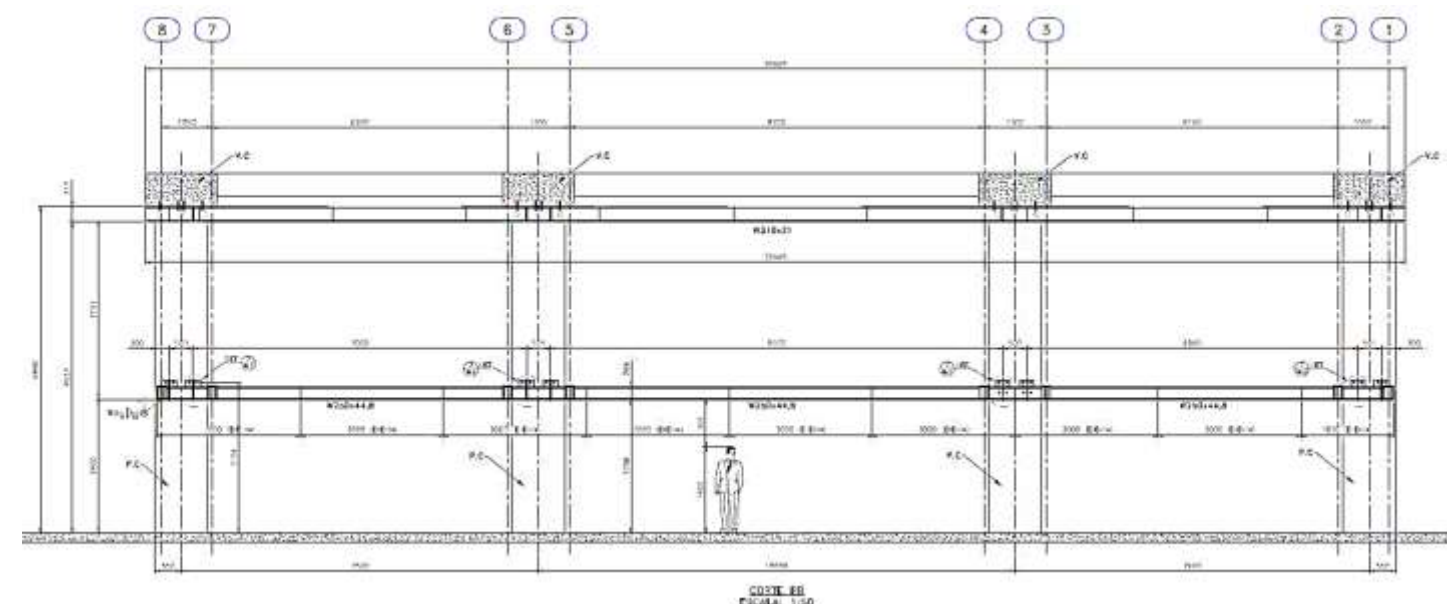
CENTRO CULTURAL DE GUARULHOS

The Centro Cultural de Guarulhos project was developed by the Biselli Katchborian Arquitetos office. The 16,000m² project has a metal cover of over 250m in length. The access is a large marquee of about 18m cantilever structure, resting longitudinally in two trusses with central axes 20m apart from each other and supported in points aligned and equidistant to 25m; the width is constant at 30m, and it expands 5m on each side, beyond the row of pillars.

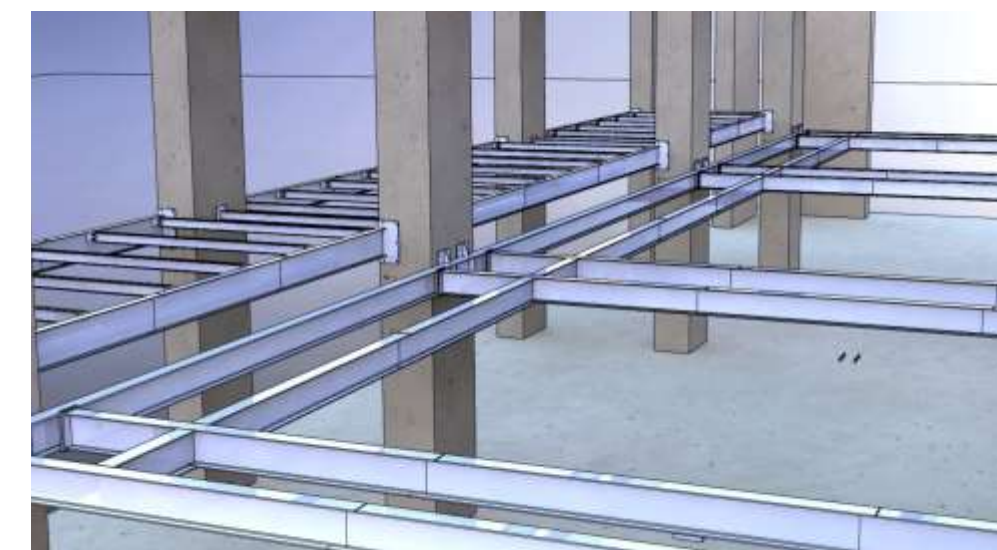


ATHIÉ WOHN RATH – 15º ANDAR -SÃO PAULO/SP, BRASIL

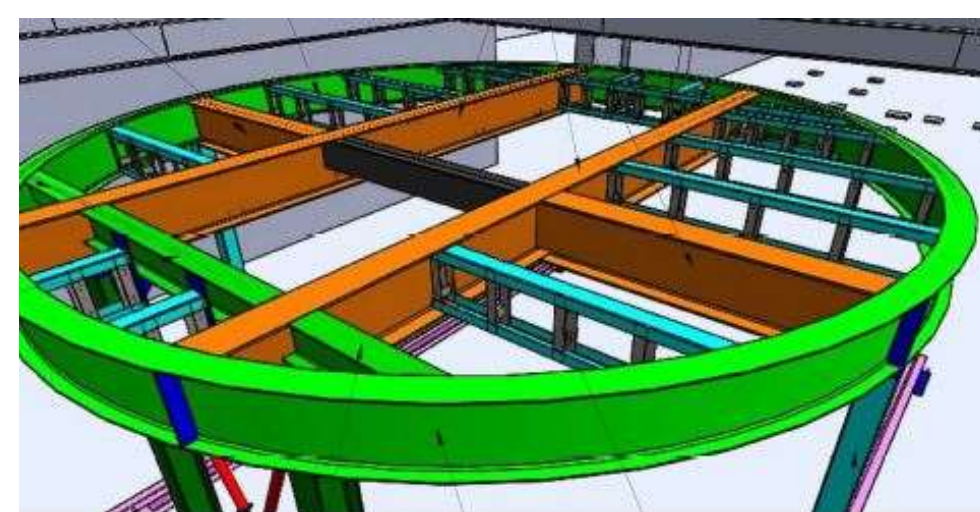
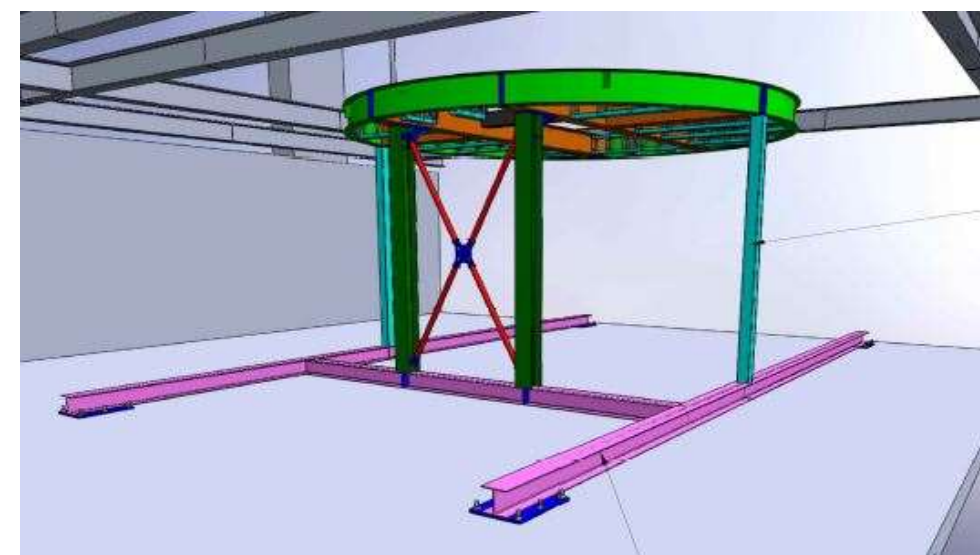
KOPRON – ADANA, TURKEY – SEISMIC ZONE II



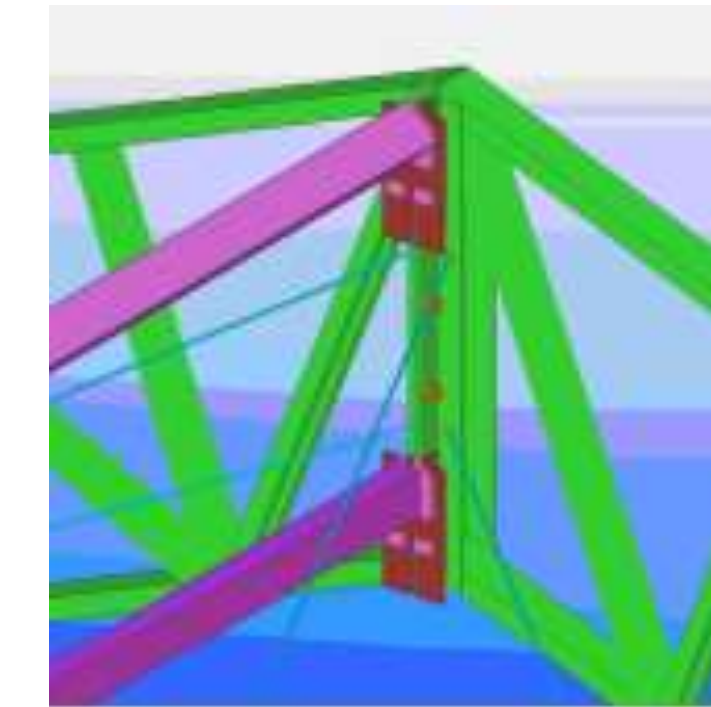
Auxiliary structure for lining and metal mesh



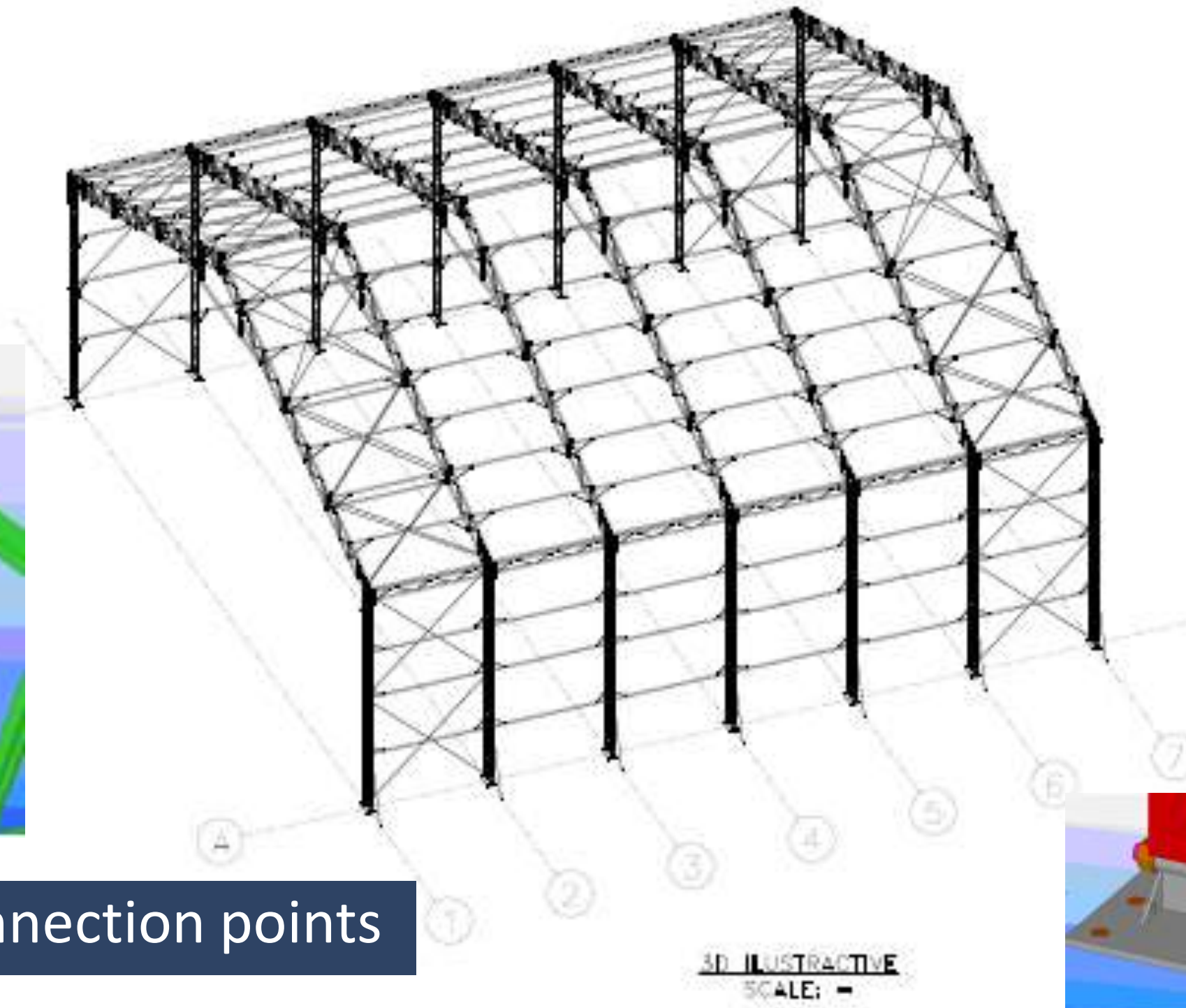
Coffee / canopy cover in metal structure



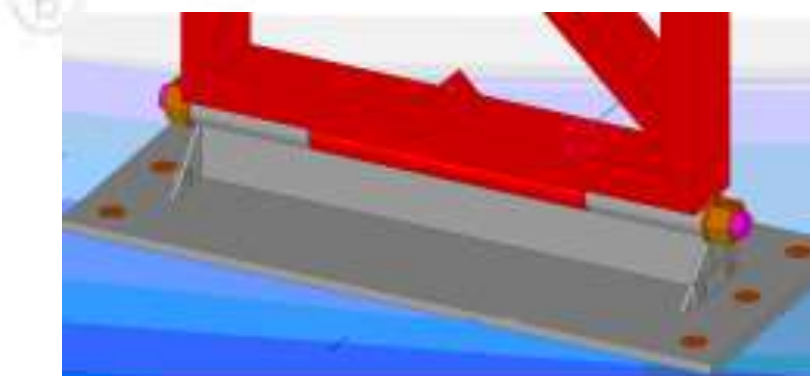
Arched metal structure for meeting room



Close-up details: connection points



3D ILLUSTRATIVE SCALE: -



Designed base mount



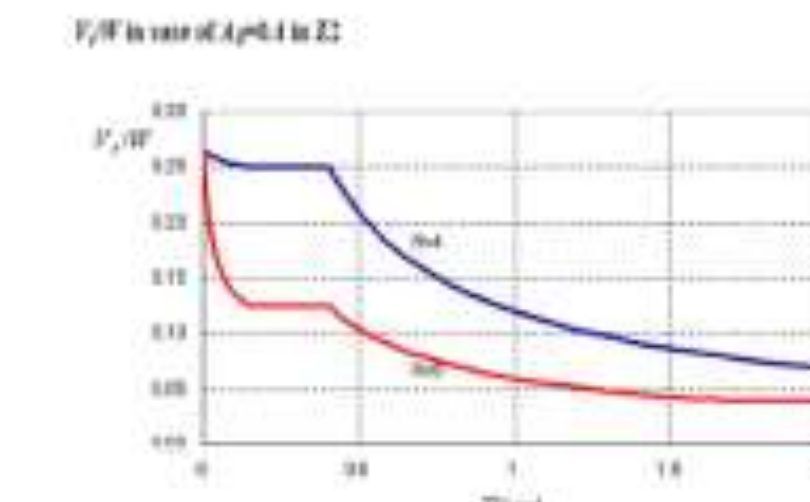
SAMPLE PROJECT: KOPRON LOGISTIC SOLUTIONS



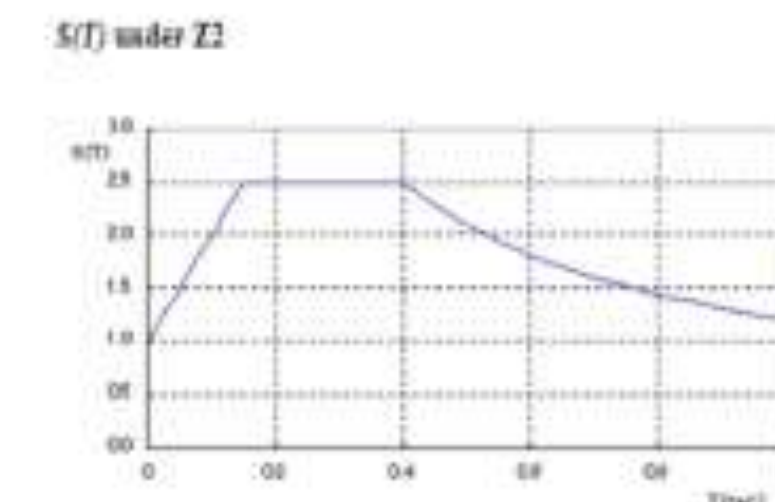
Seismic zonation is based on ground acceleration values with 10% probability of exceedance in 50 years, i.e., 475 years mean return period. Five seismic zones (I, II, III, IV, V) are defined, as shown in the Table below.

Seismic zone	A_g
I	0.40g
II	0.30g
III	0.20g
IV	0.10g
V	NO SEISMIC PROVISIONS

TABLE V SEISMIC MAP SCALE: -



HORIZONTAL SEISMIC BASE SHEAR SCALE: -

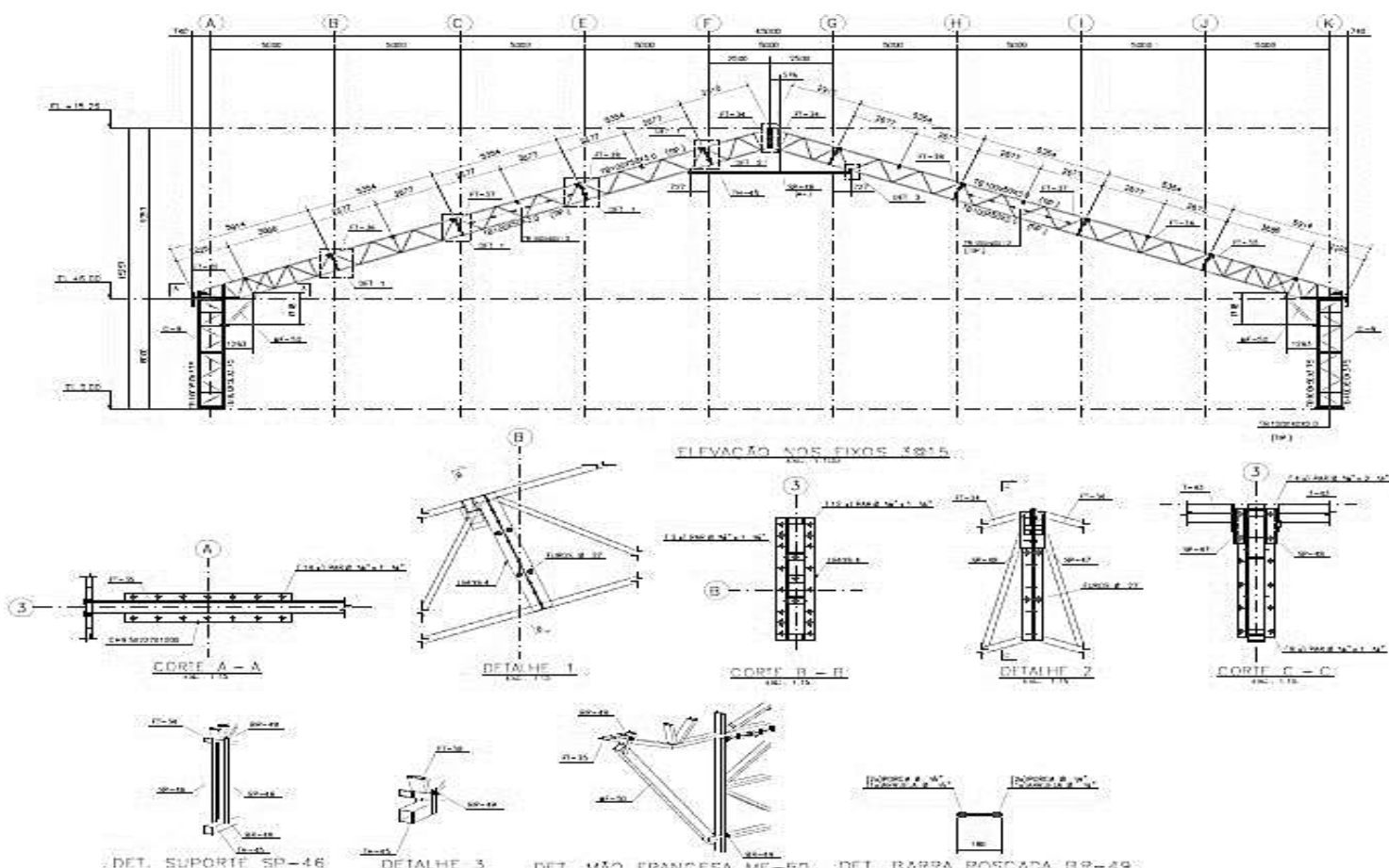


SPECTRAL ACCELERATION COEFFICIENT SCALE: -

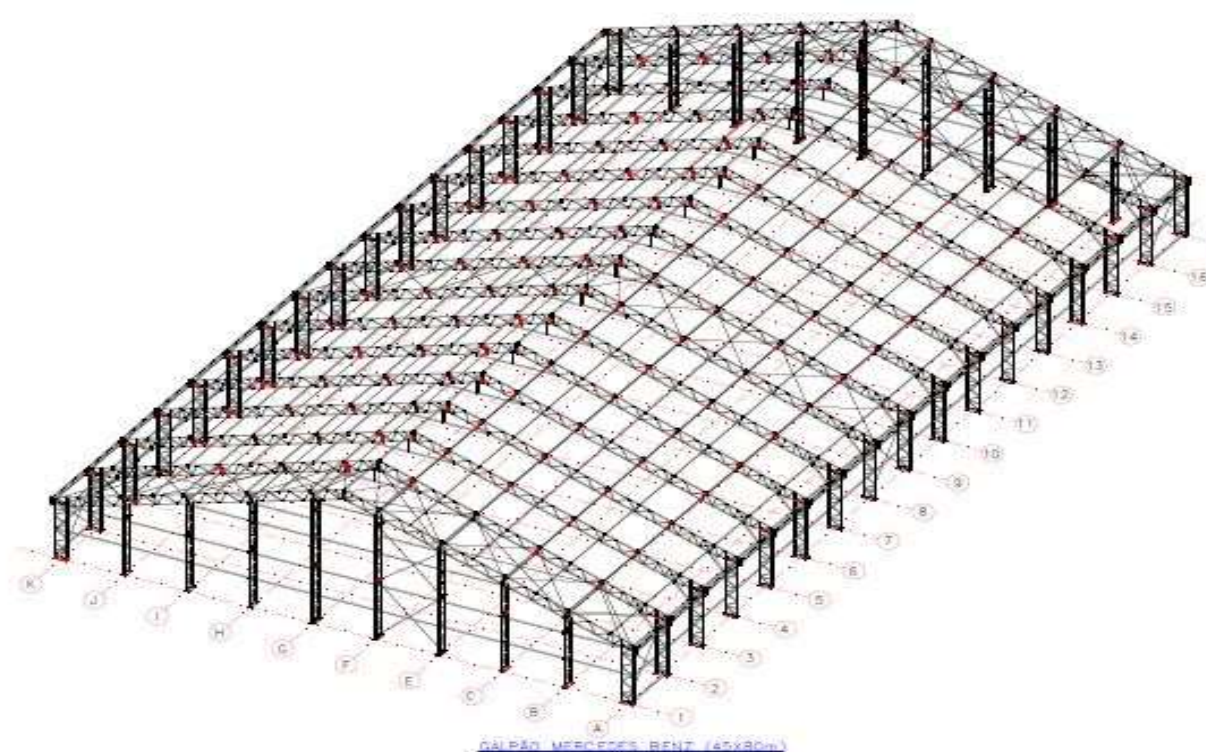
TRIAL SHEDS - MERCEDES-BENZ – KOPRON – S. B. DO CAMPO/SP, BRASIL



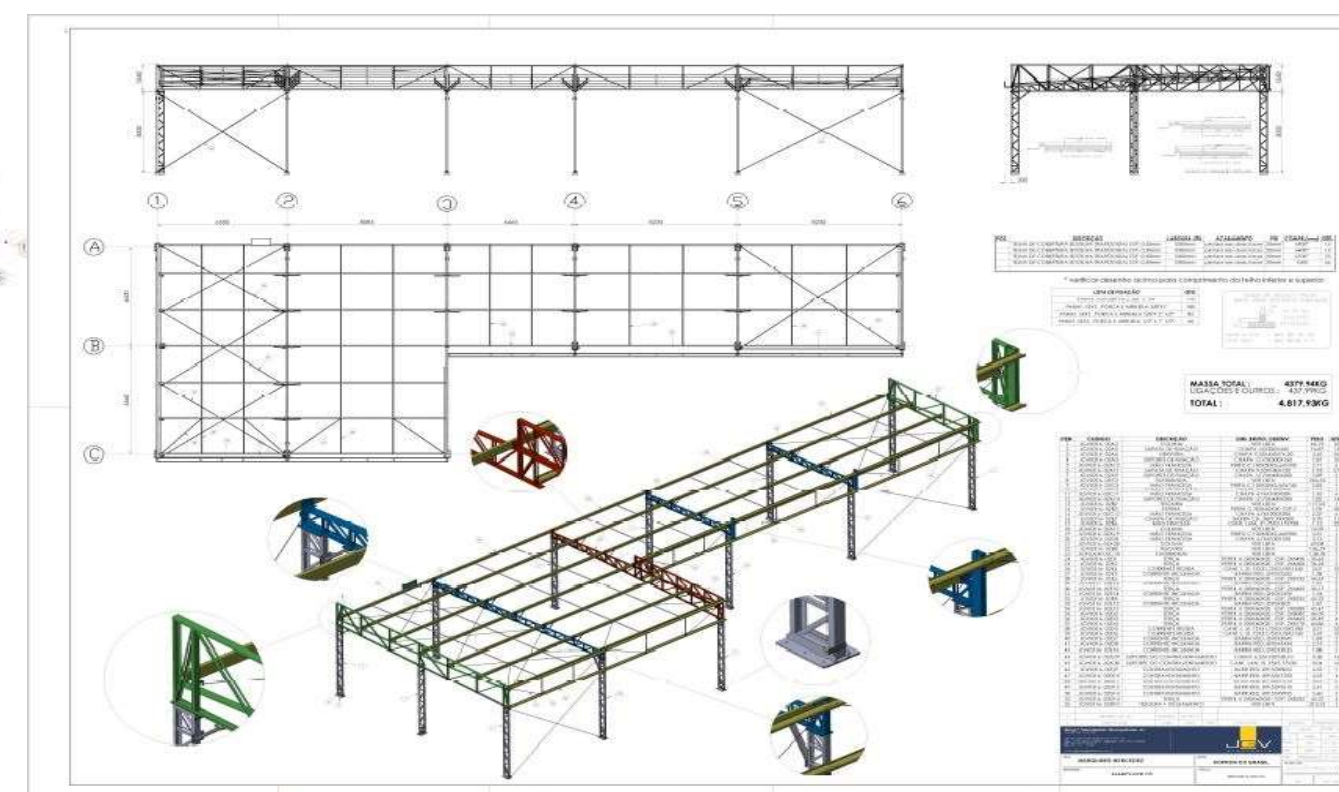
HANGAR – INPAER – SÃO JOÃO DA BOA VISTA /SP, BRASIL



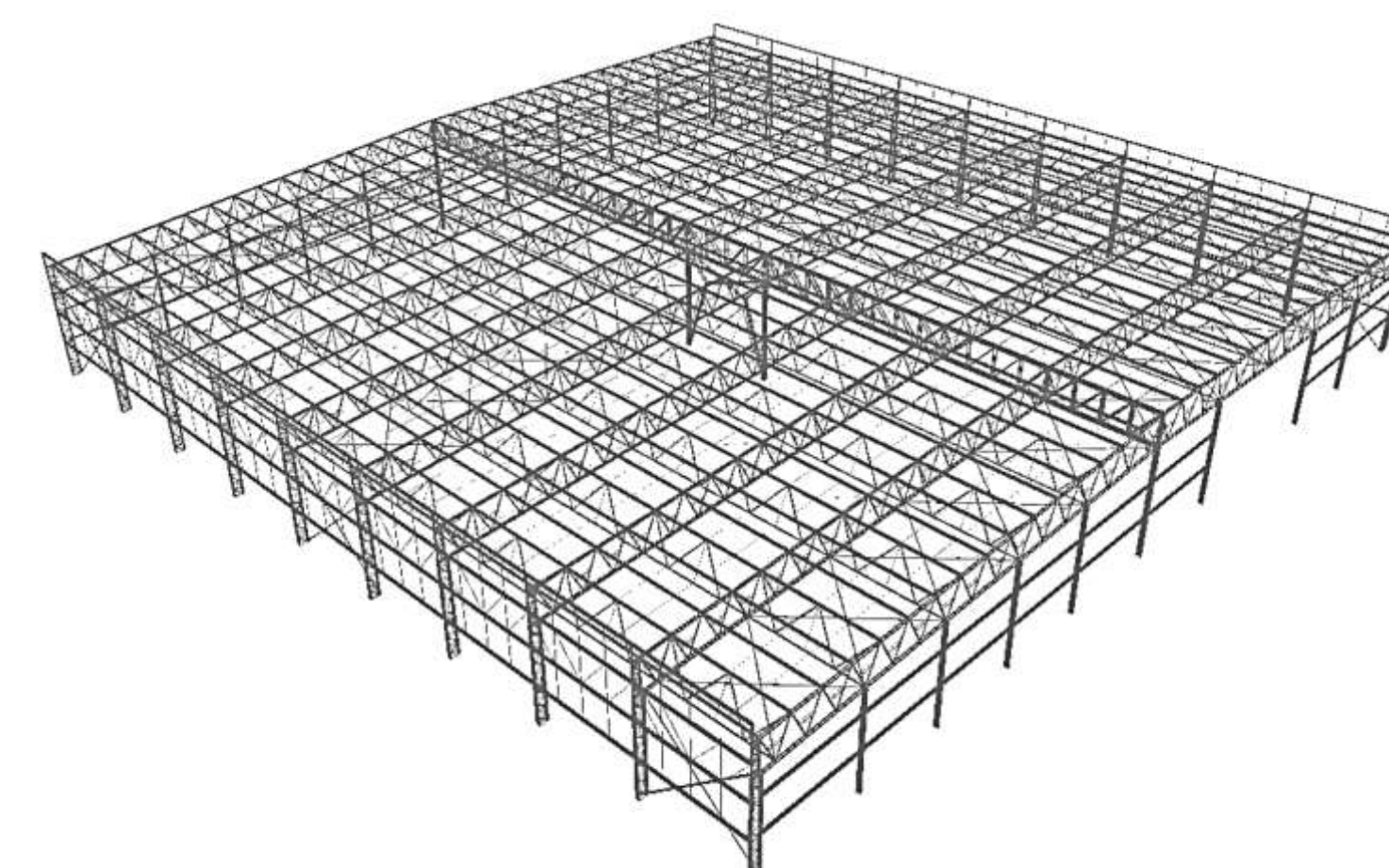
Metal structure of the industrial shed



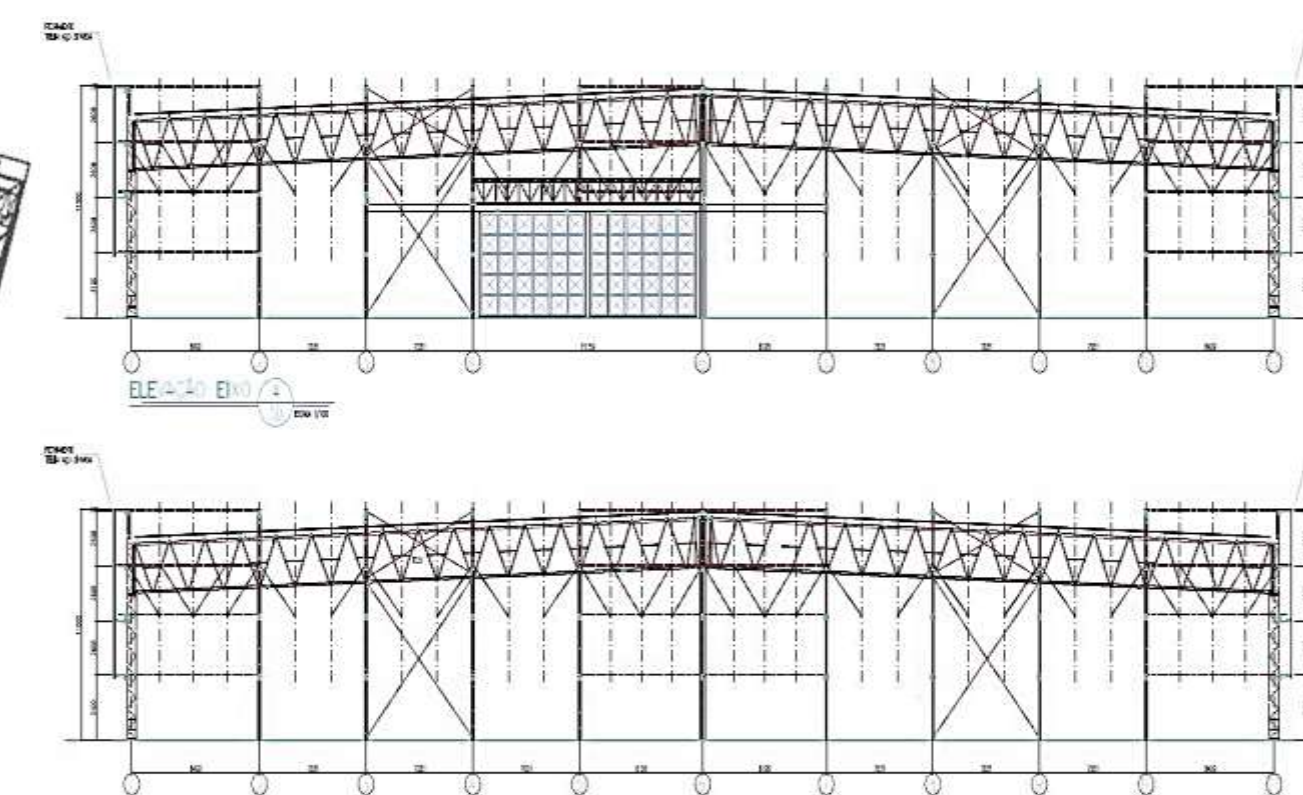
Mercedes Benz industrial shed



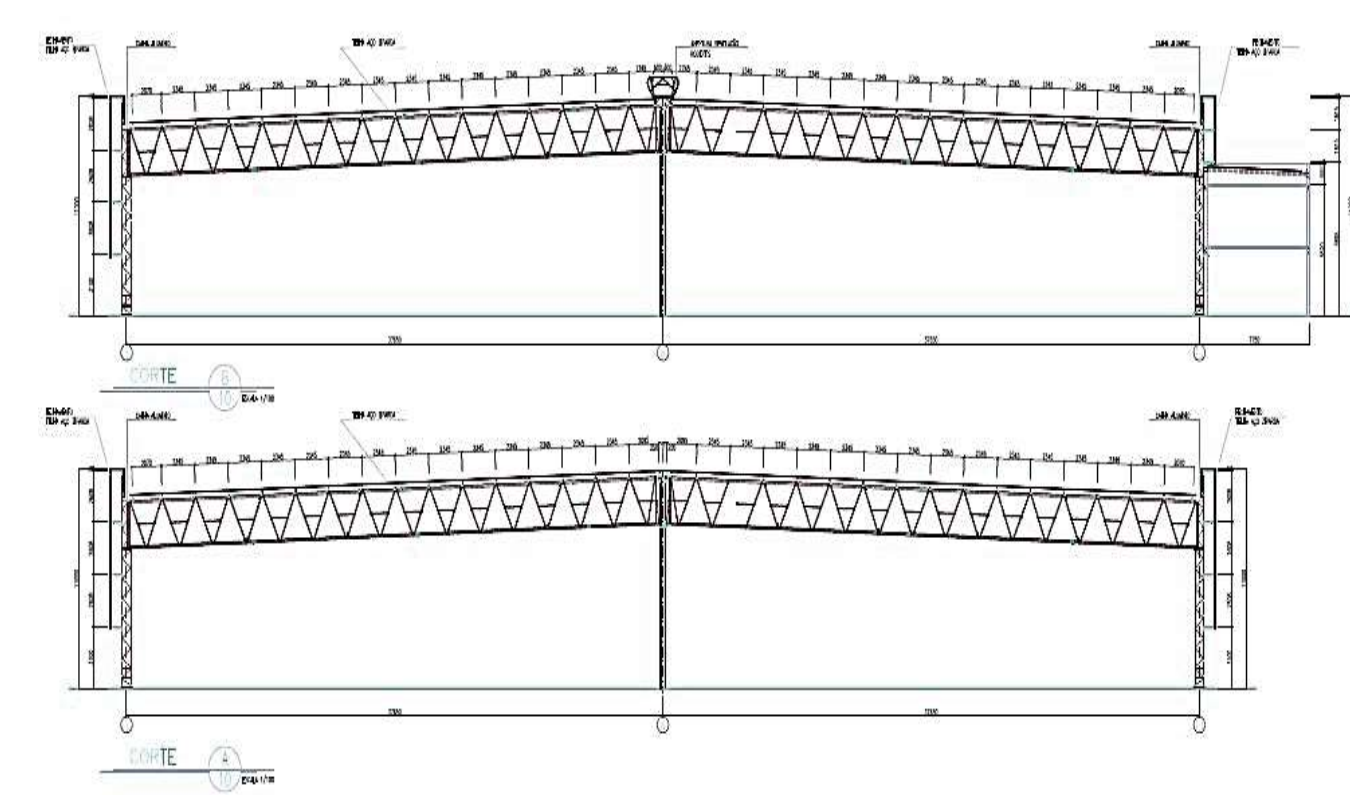
Mercedes Benz marquee structure



Metal structure of the Hangar



Views of the metallic structure of the industrial shed

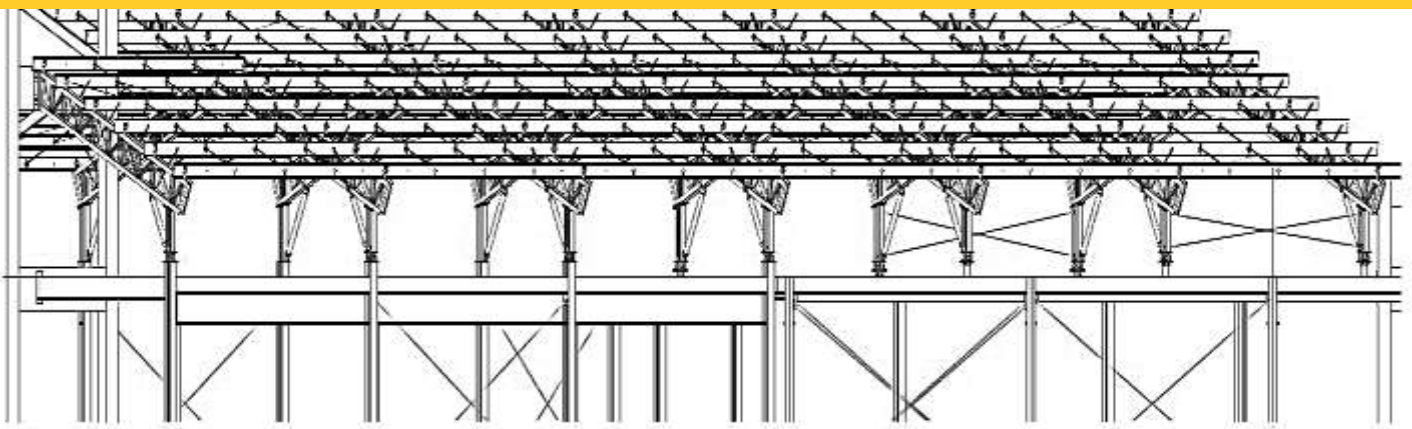


Views of the metallic structure of the industrial shed

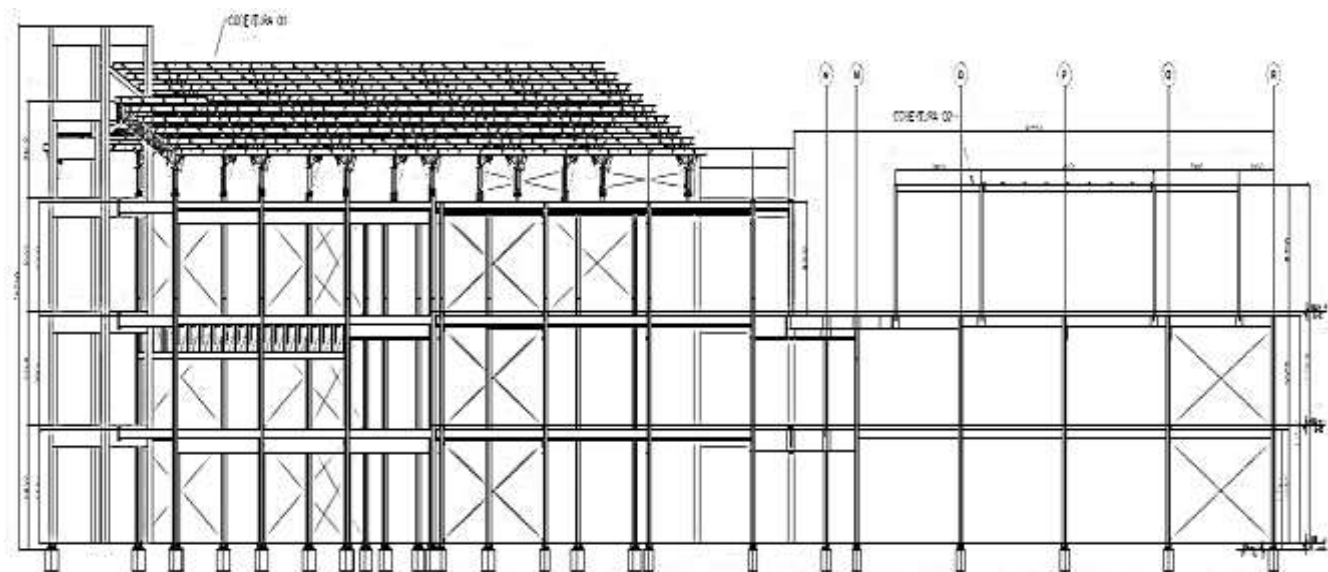
HOTEL VALE DA MANTIQUEIRA-VIRGINIA/MG, BRASIL



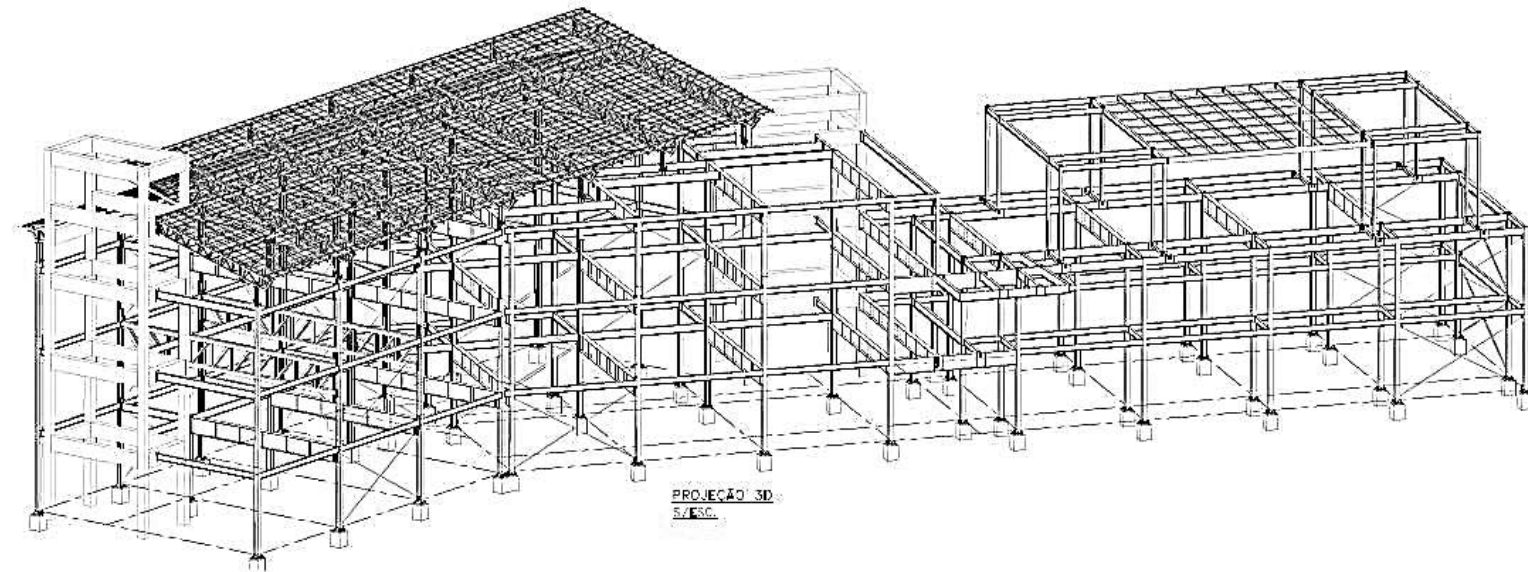
Hotel Vale da Mantiqueira Project – Virginia/MG



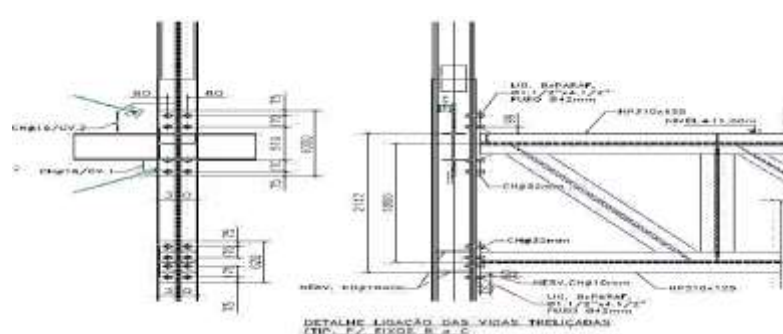
Roof structure view



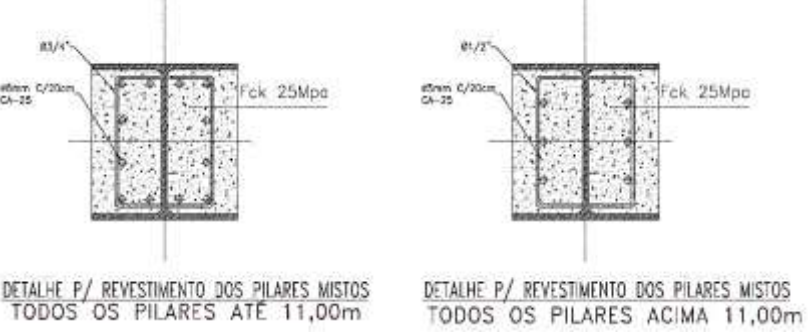
Front view of the structure



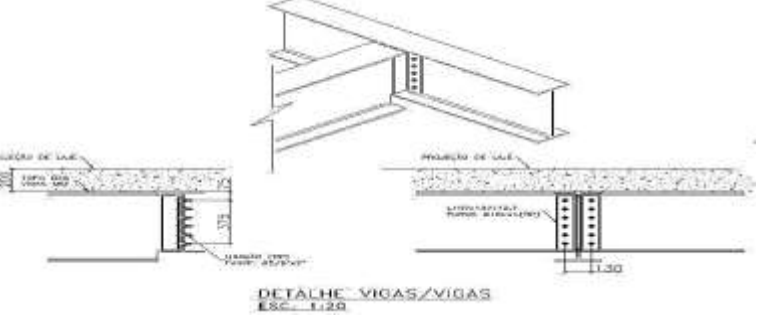
3D projection of the structure



Connections between lattice beams



Mixed pillar coverings



Connections between beams

Other hotel projects: Hotel Bourbon-Atibaia/SP e Hotel Villa Rossa- São Roque/SP



Hotel Bourbon-Atibaia/SP

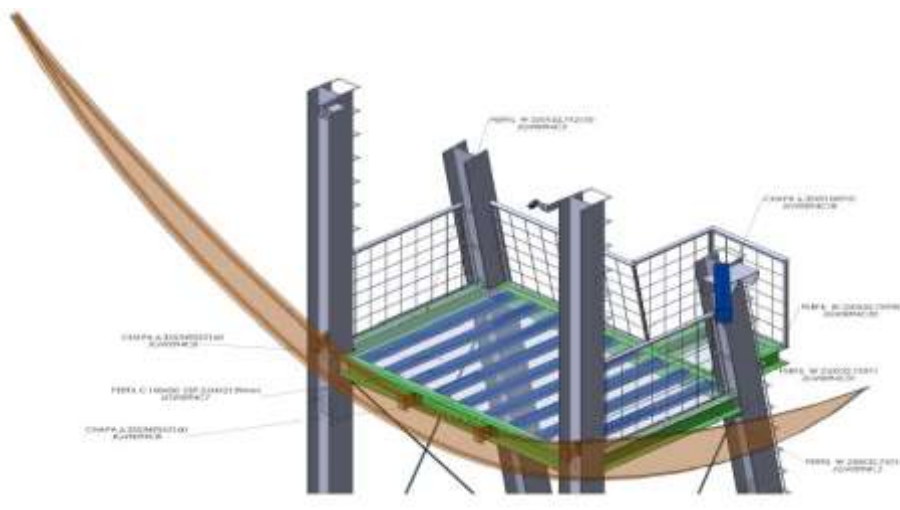


Hotel Bourbon-Atibaia/SP

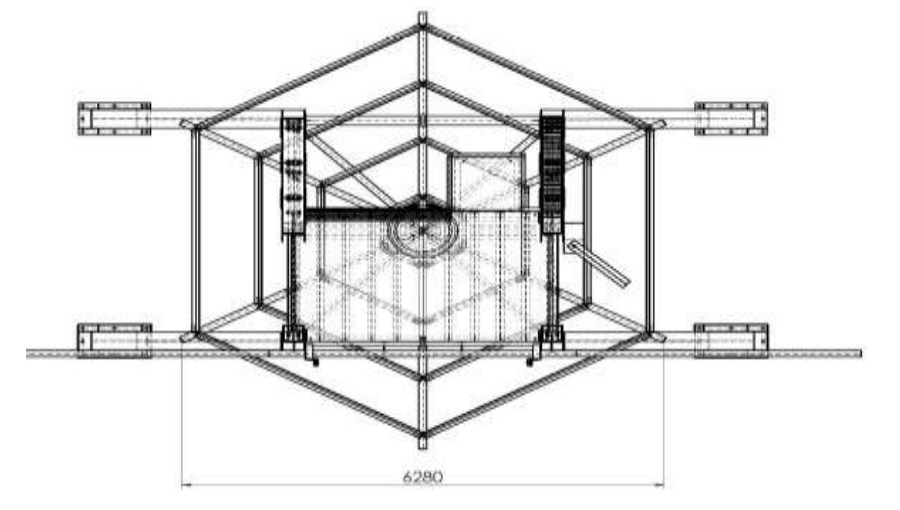


Hotel Villa Rossa-São Roque/SP

TORRE BUDISTA-ITUPEVA/SP, BRASIL



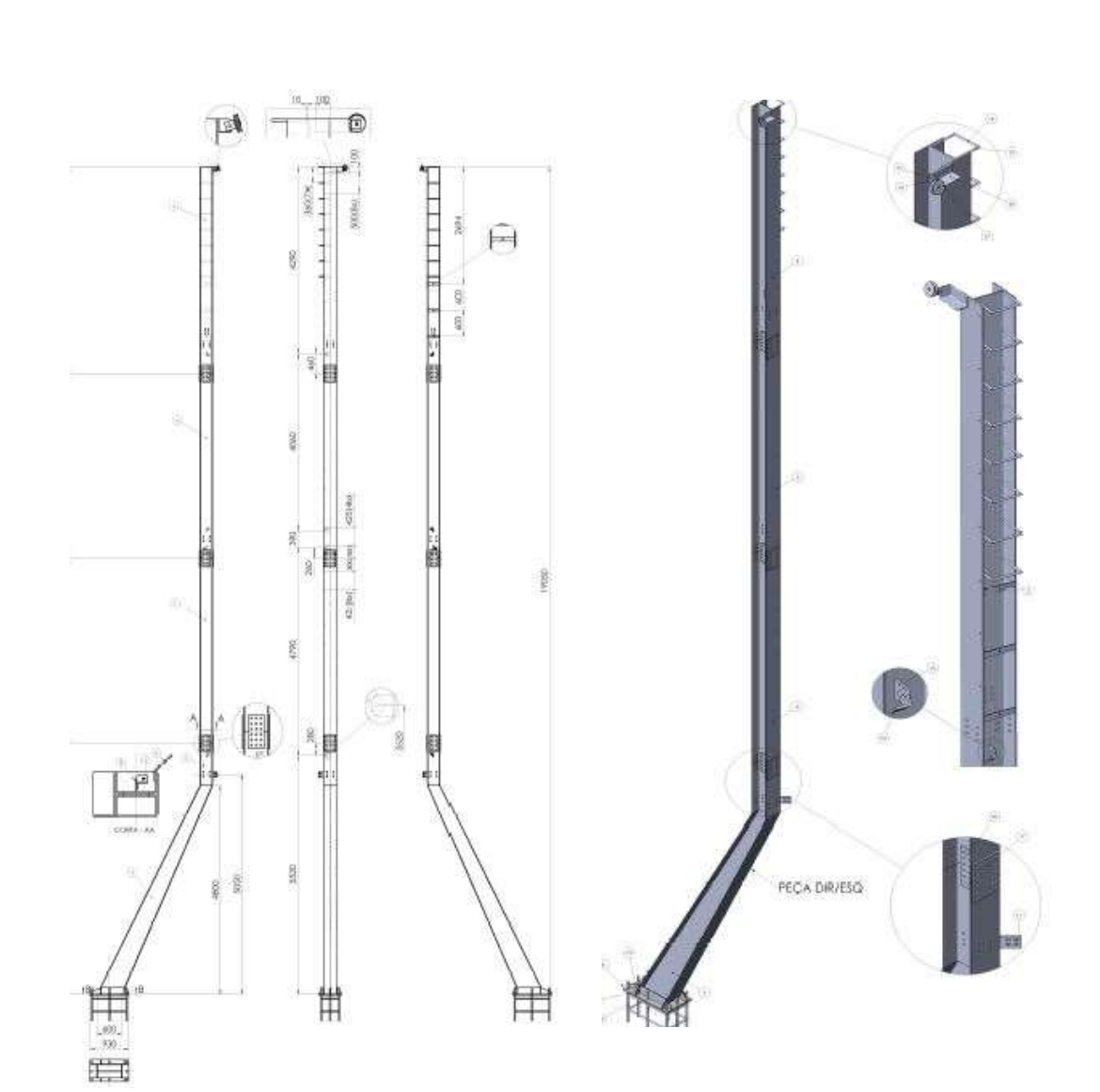
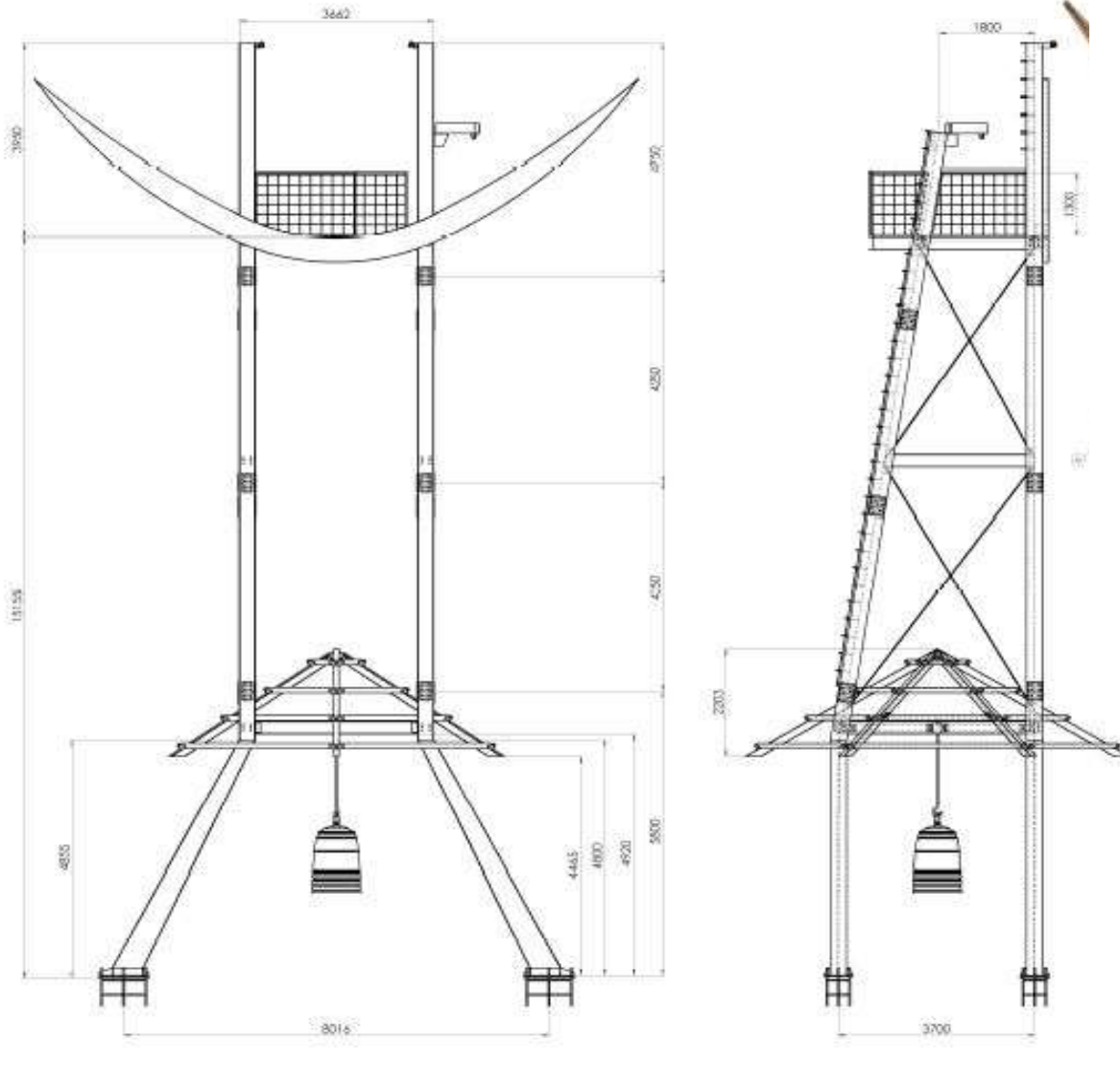
Types of profiles used



Top view of the tower



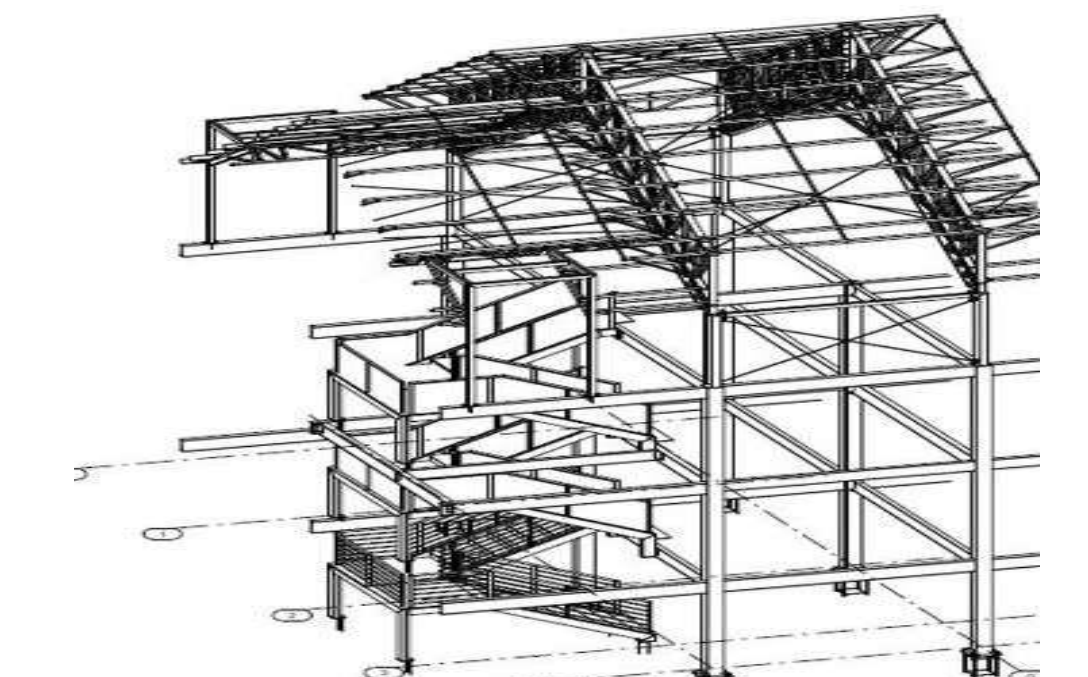
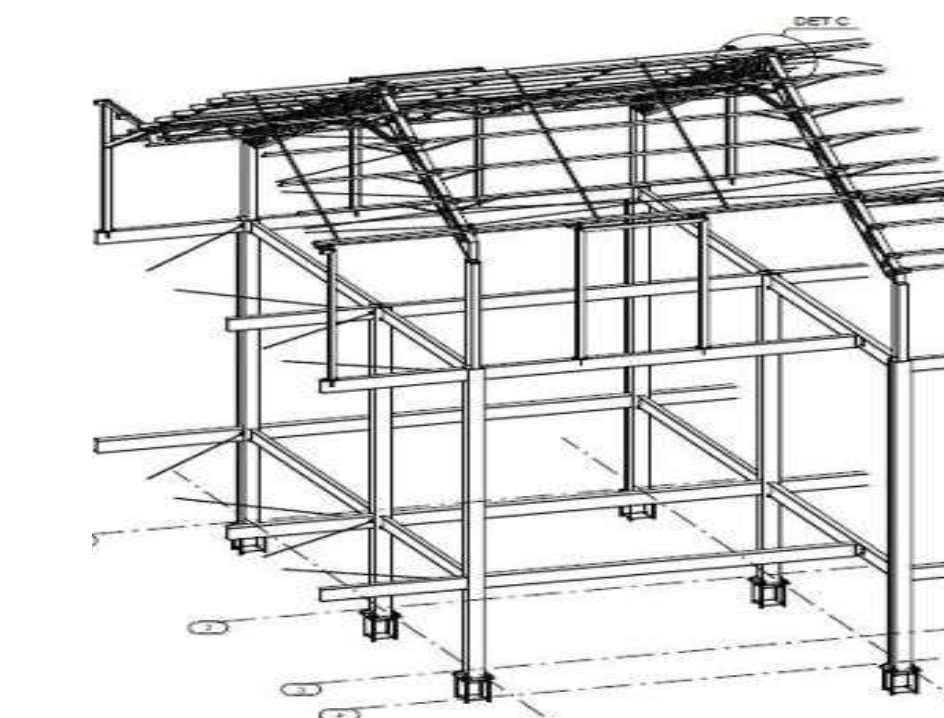
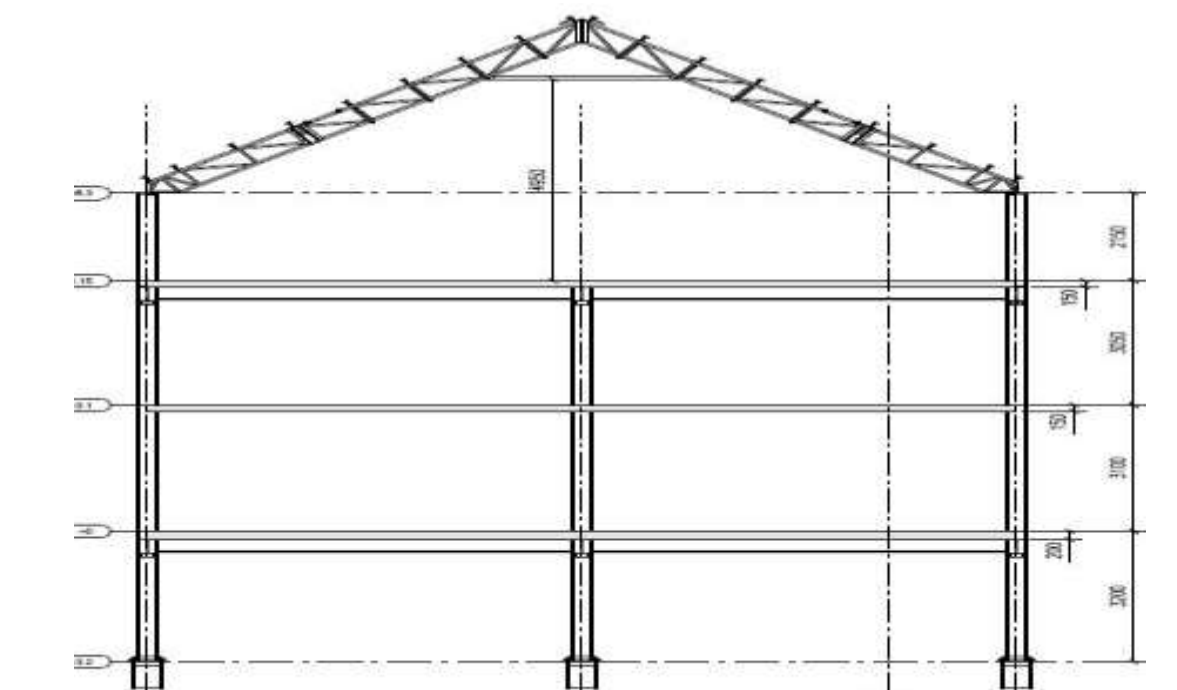
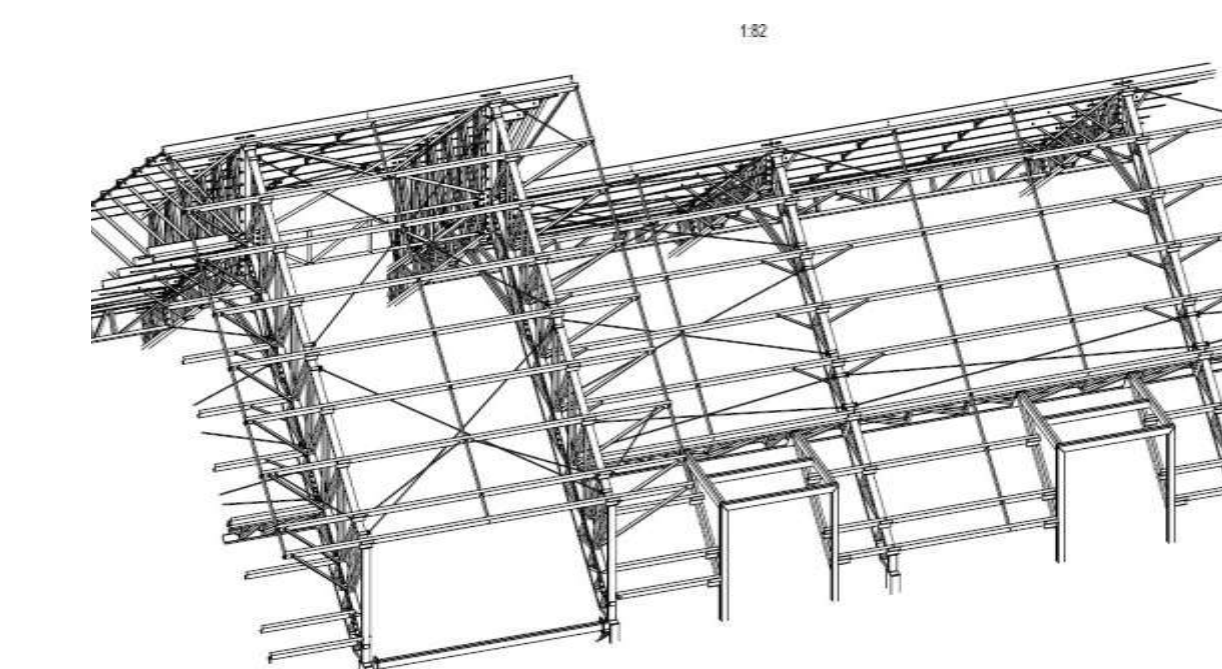
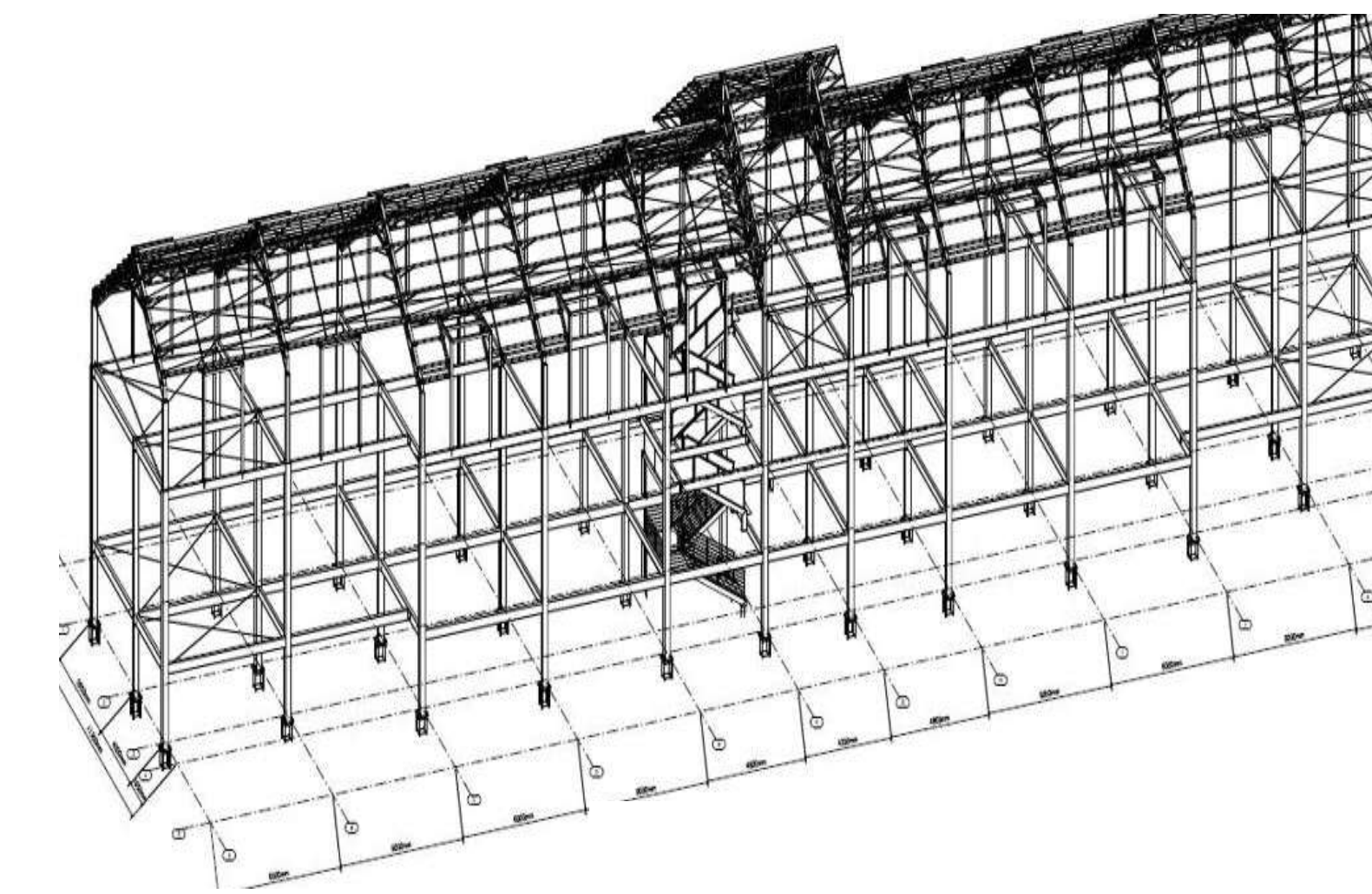
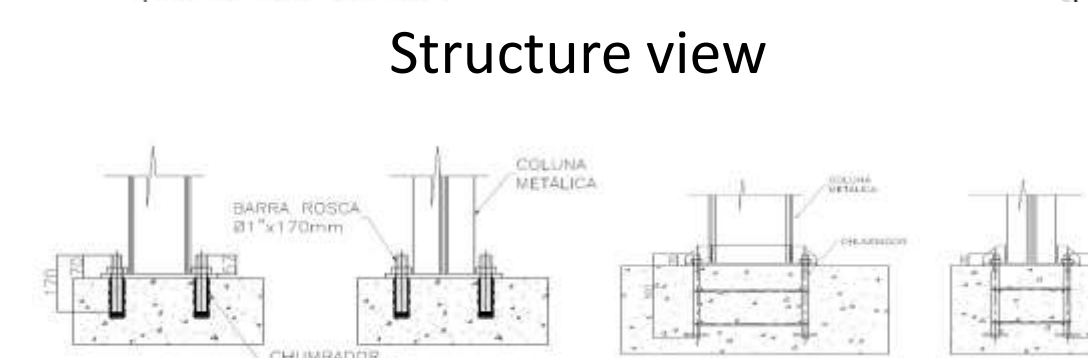
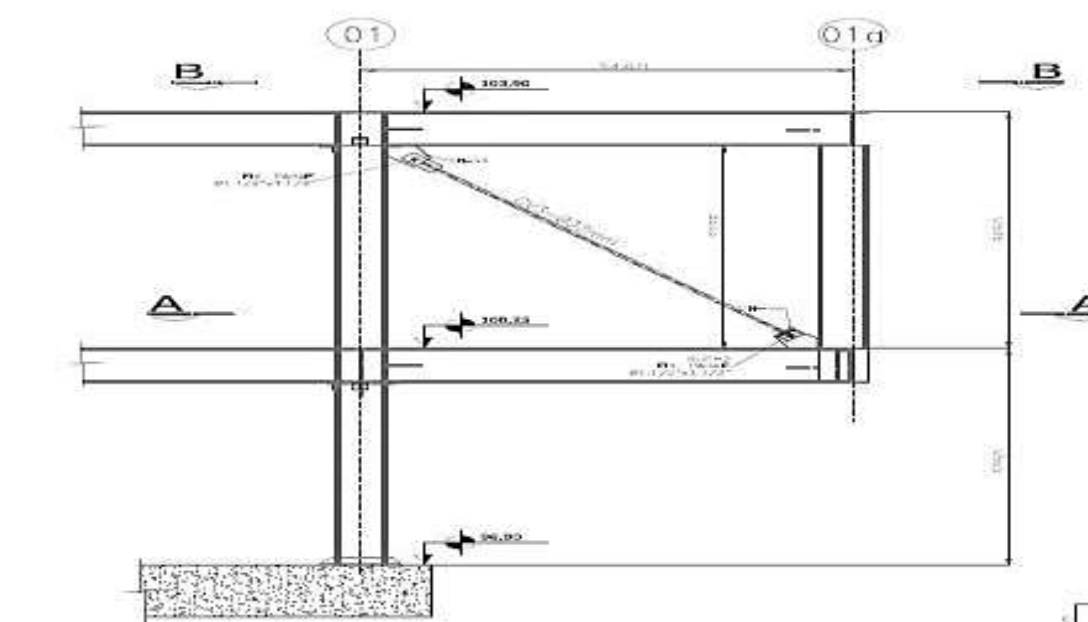
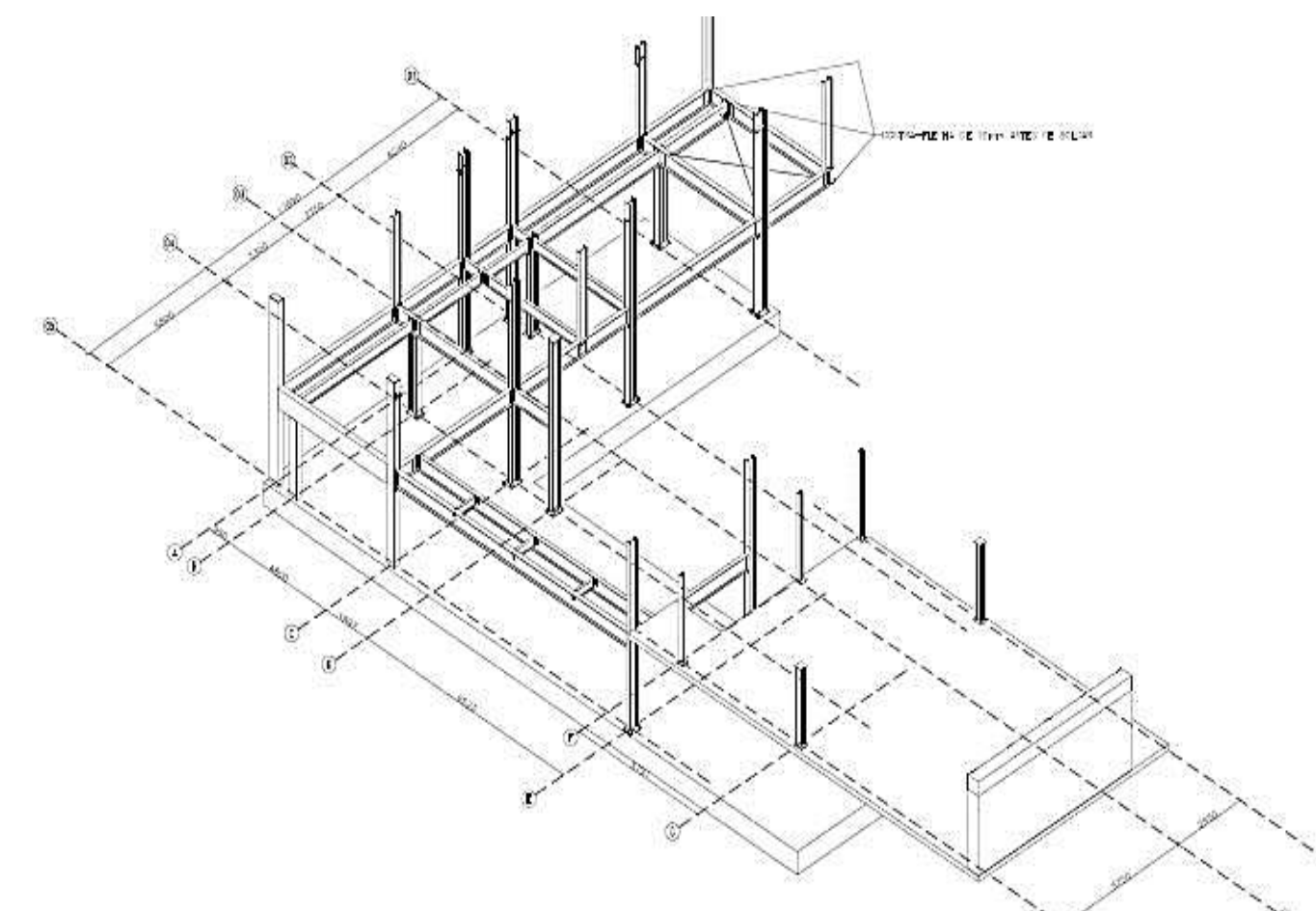
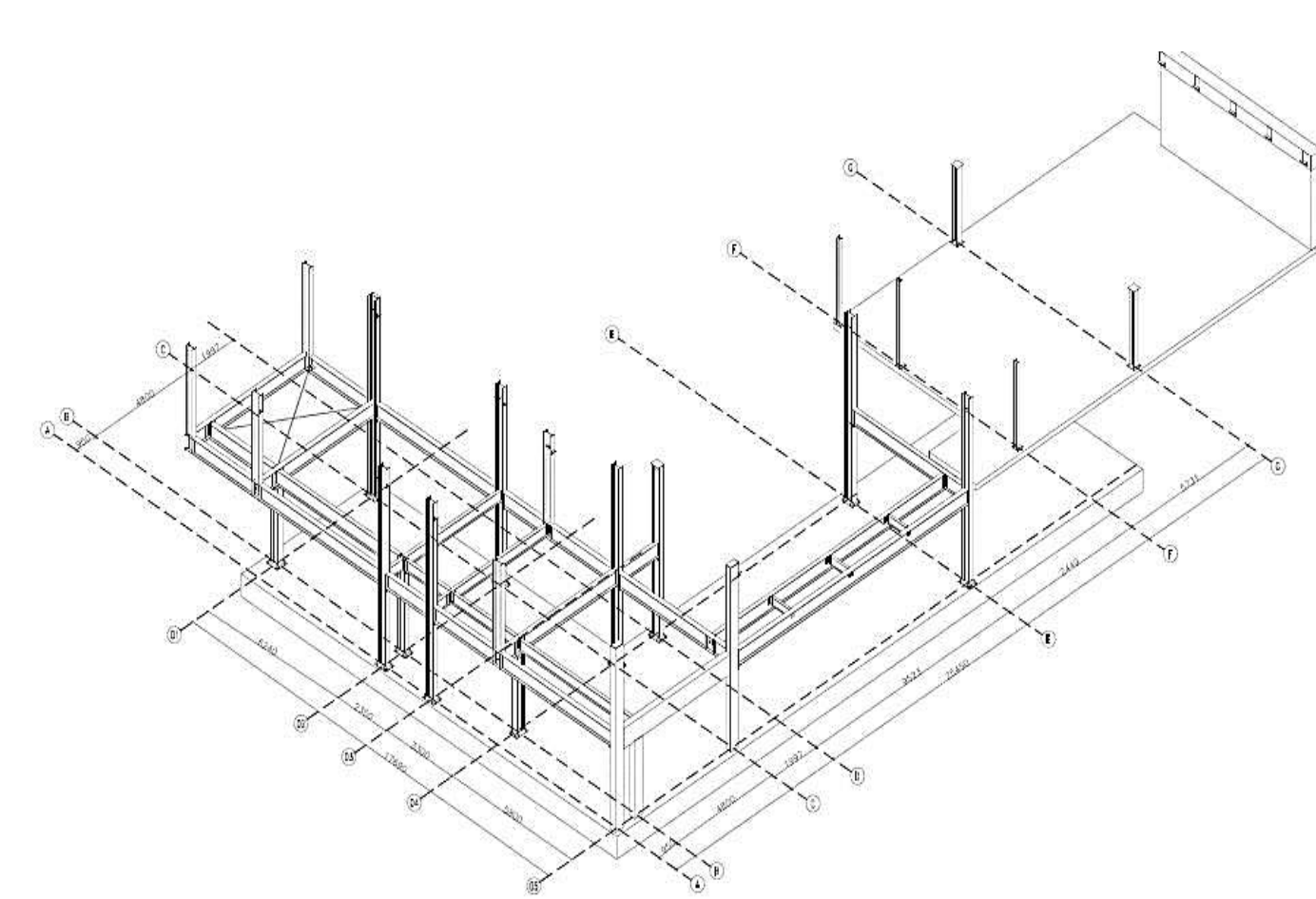
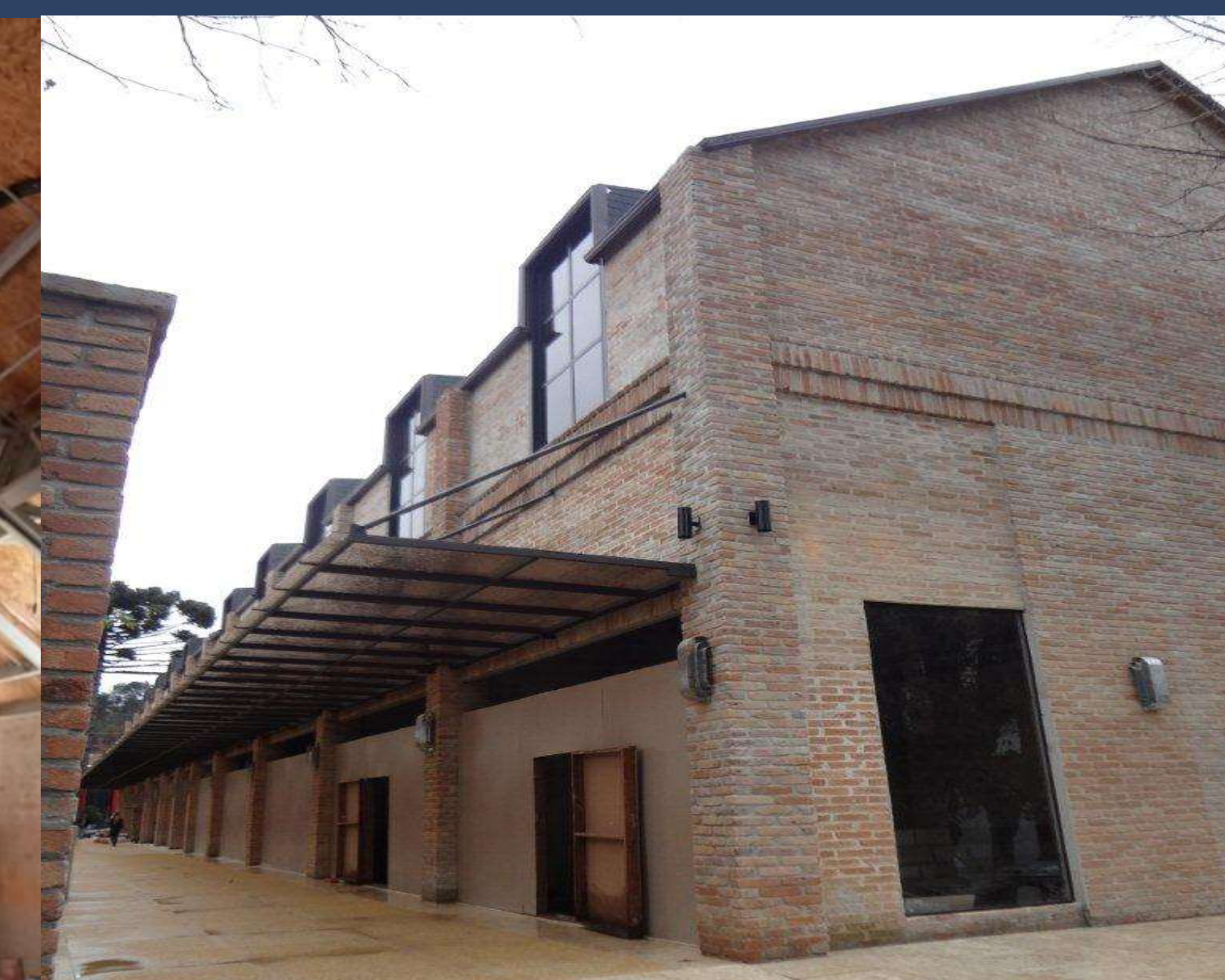
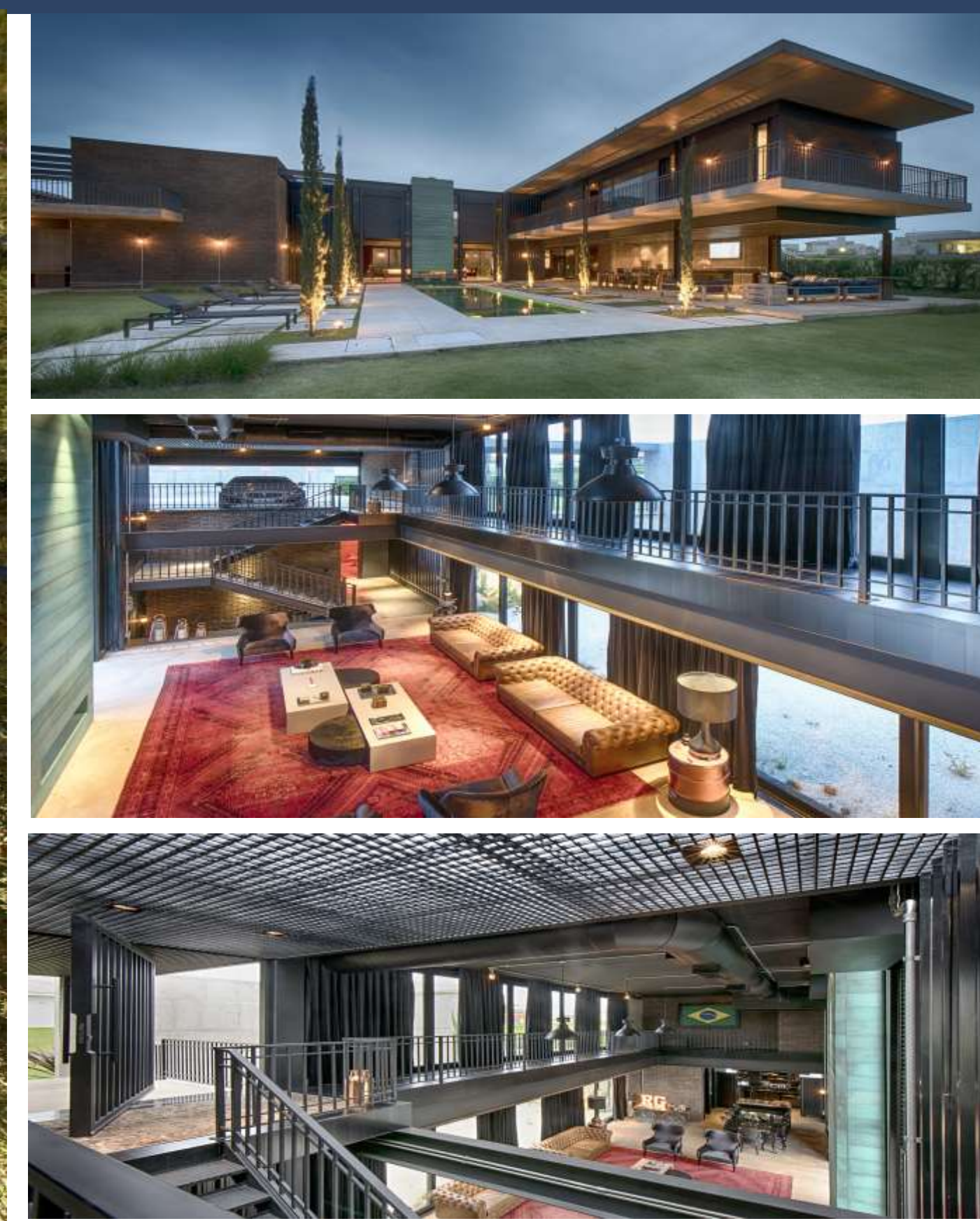
3D projection of the structure and views of the tower



3D projection of the structure and views of the tower

CASA CASTRO-ITU/SP, BRASIL

SHOPPING CARMIM – CAMPOS DO JORDÃO/SP, BRASIL



3D projection of the structure

3D projection of the structure

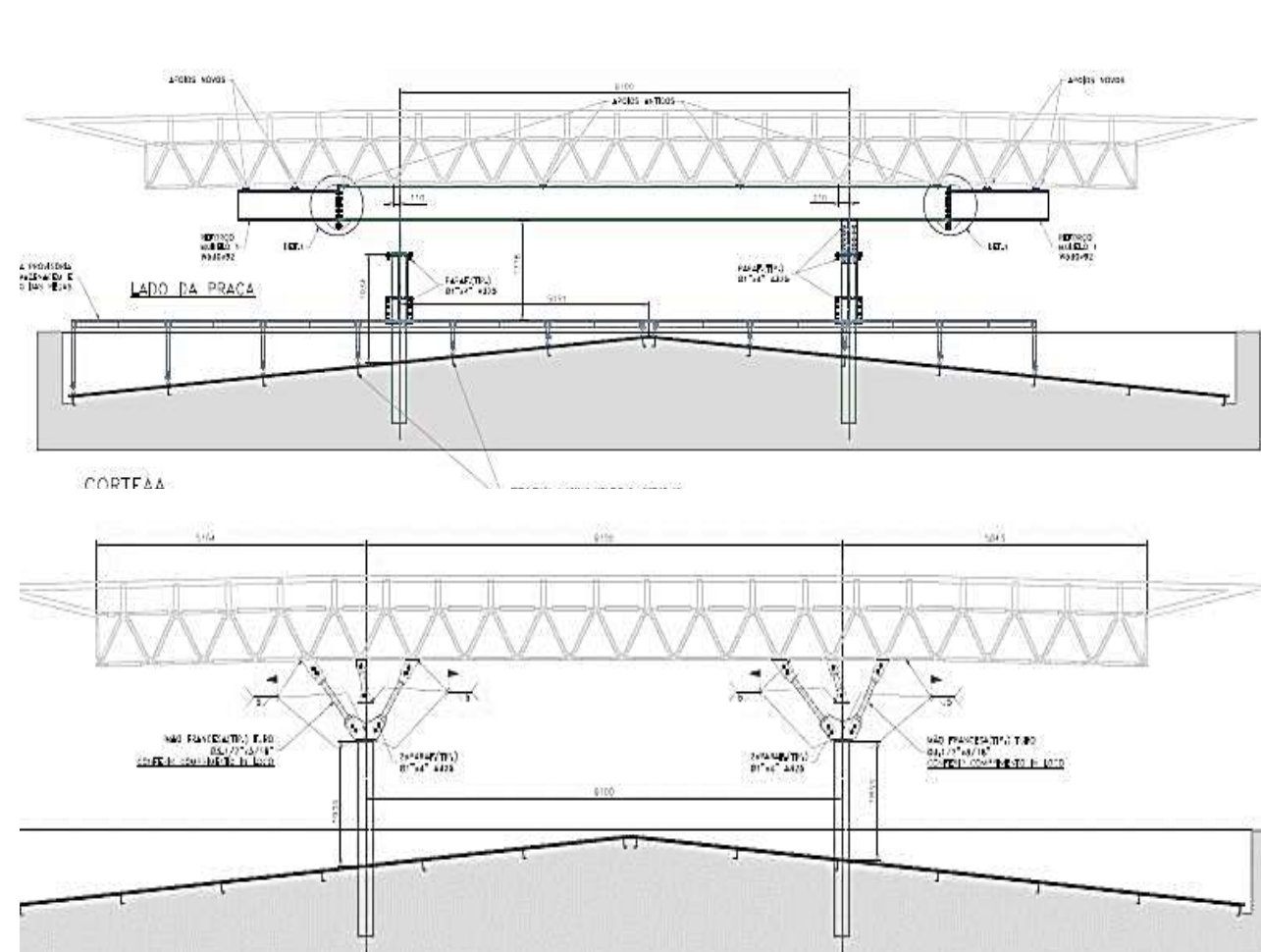
Detail of anchor bolts

General structure of Shopping Carmim

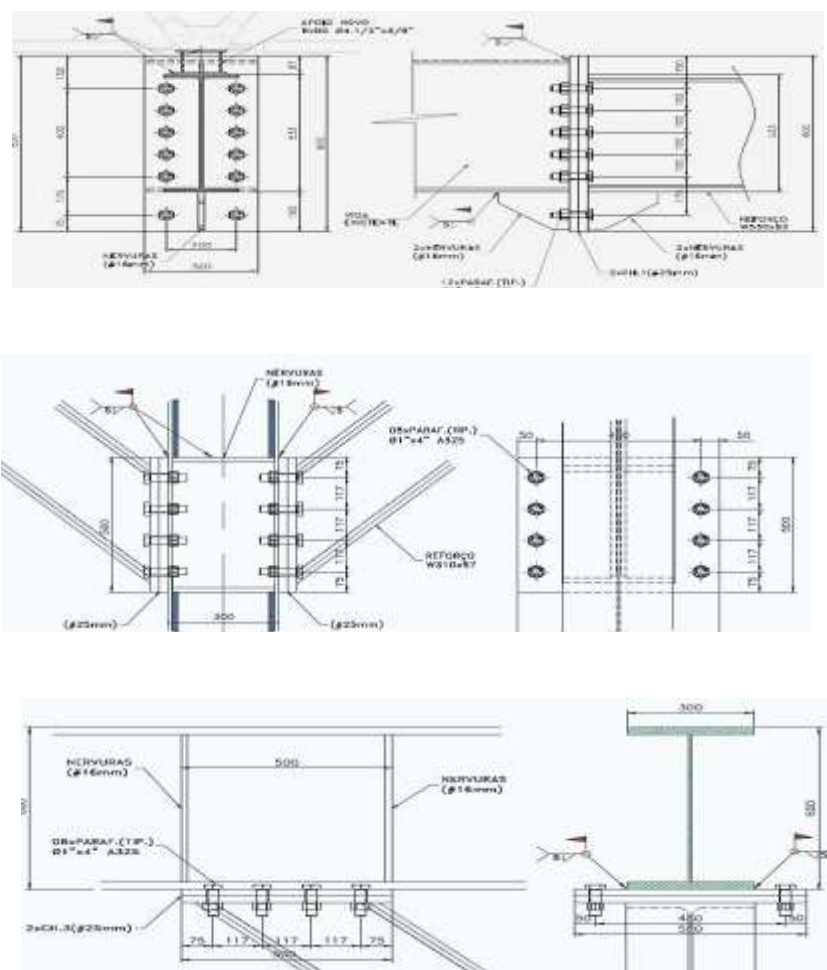
Structure projection

Perspective of the building structure and the staircase

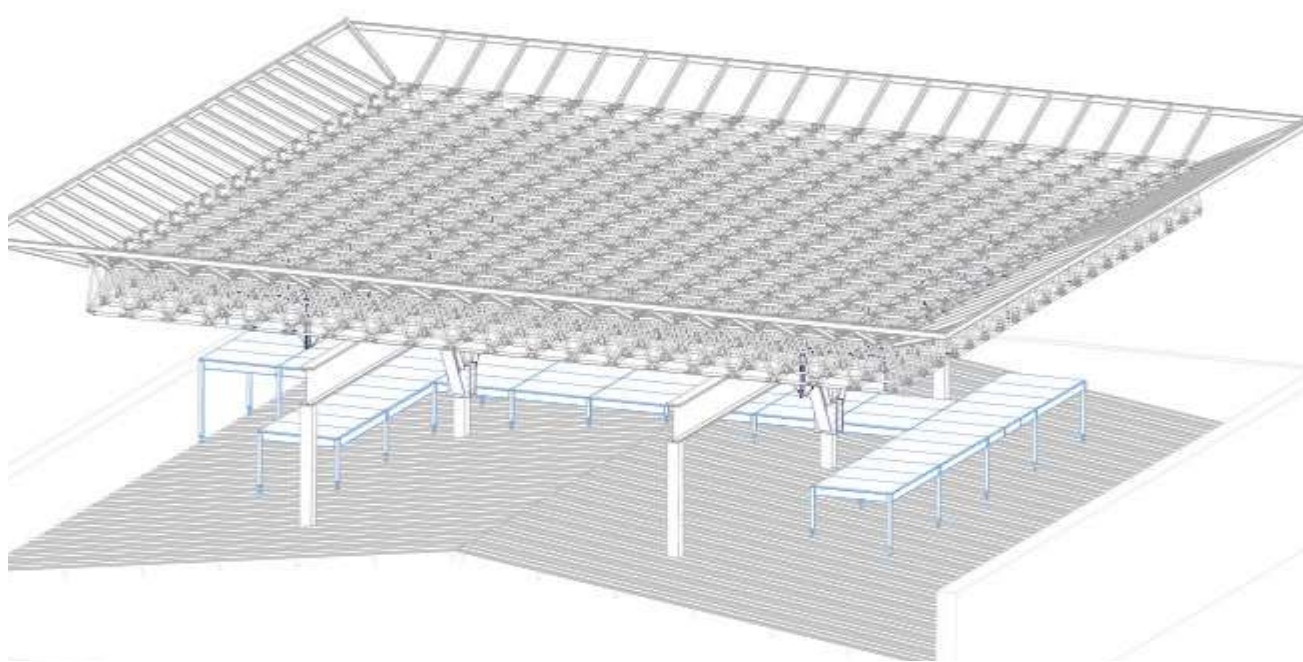
HELIPAD – BRADESCO - SÃO PAULO/SP, BRASIL



Metal structure views

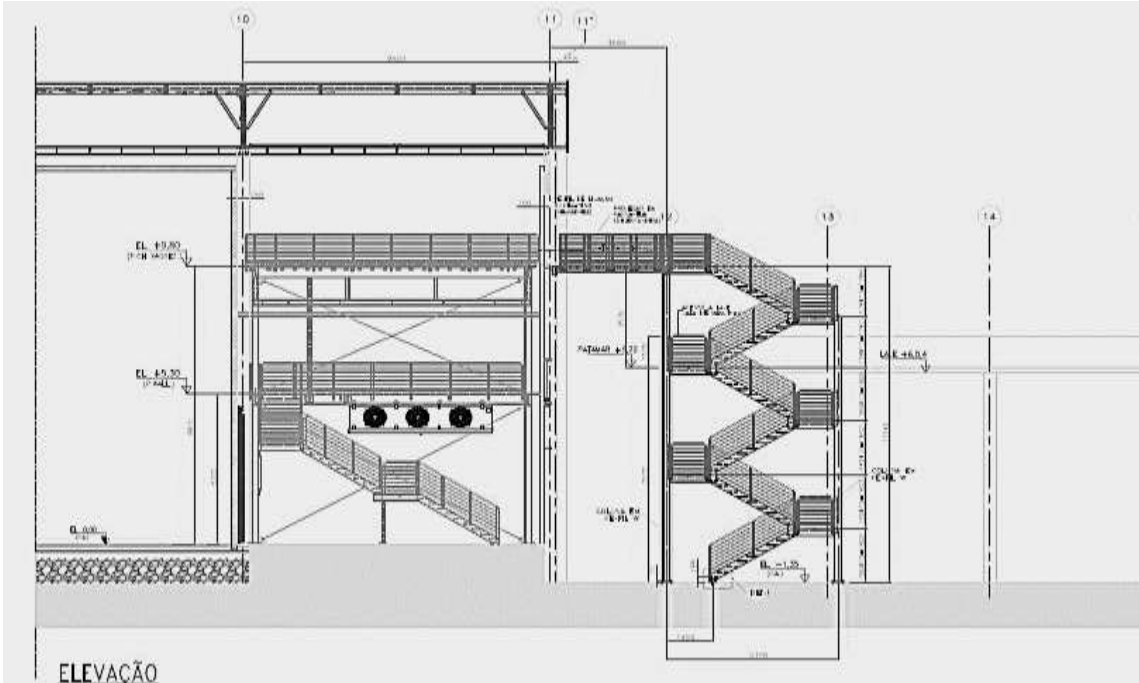


Details of fittings and fixing of the structure

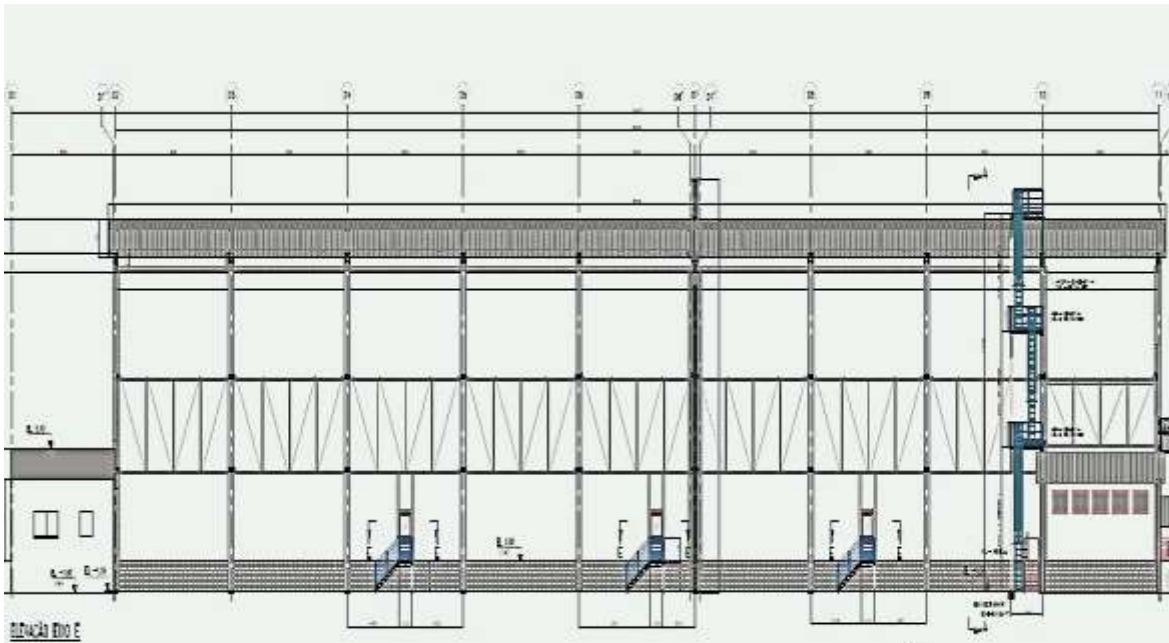


3D model of structural design

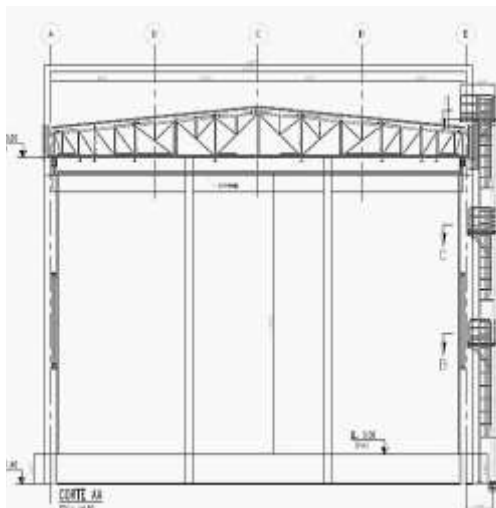
MAIN PRODUCTION PLANT - RICH'S – ITU/SP, BRASIL



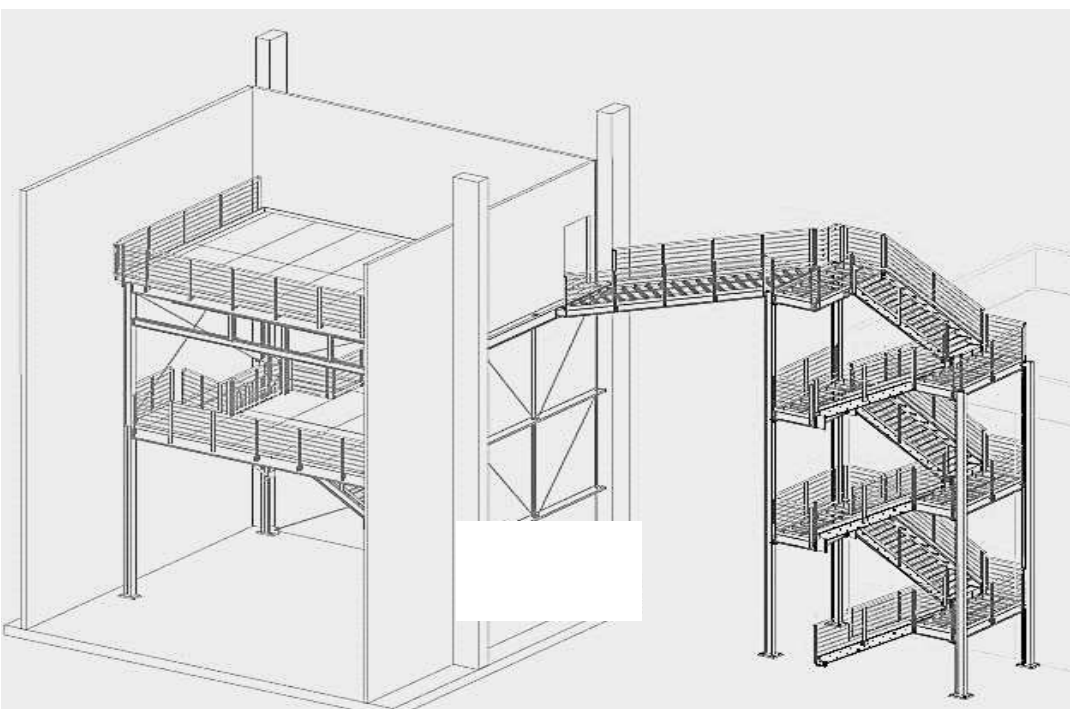
Side view



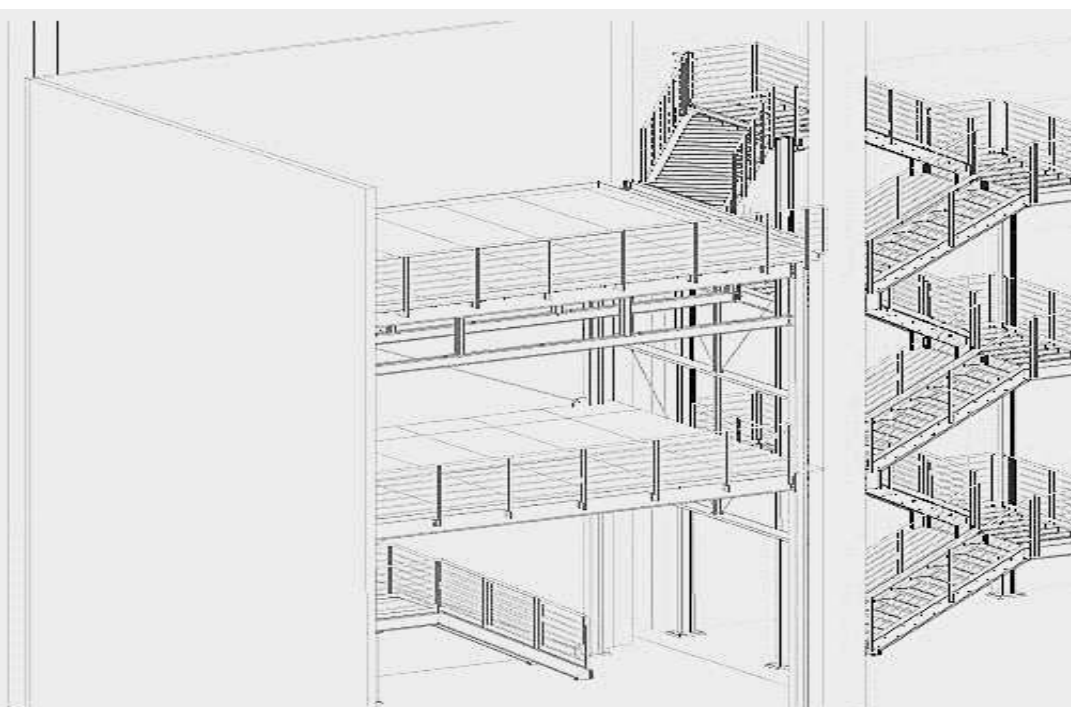
Front view



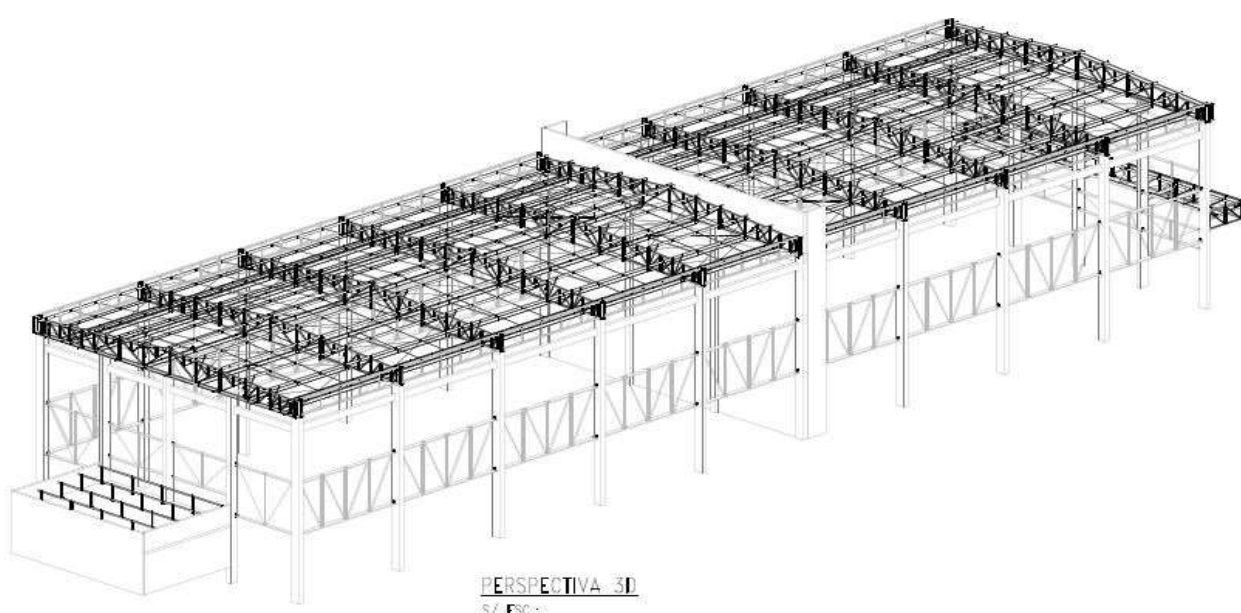
Structure section



General structure

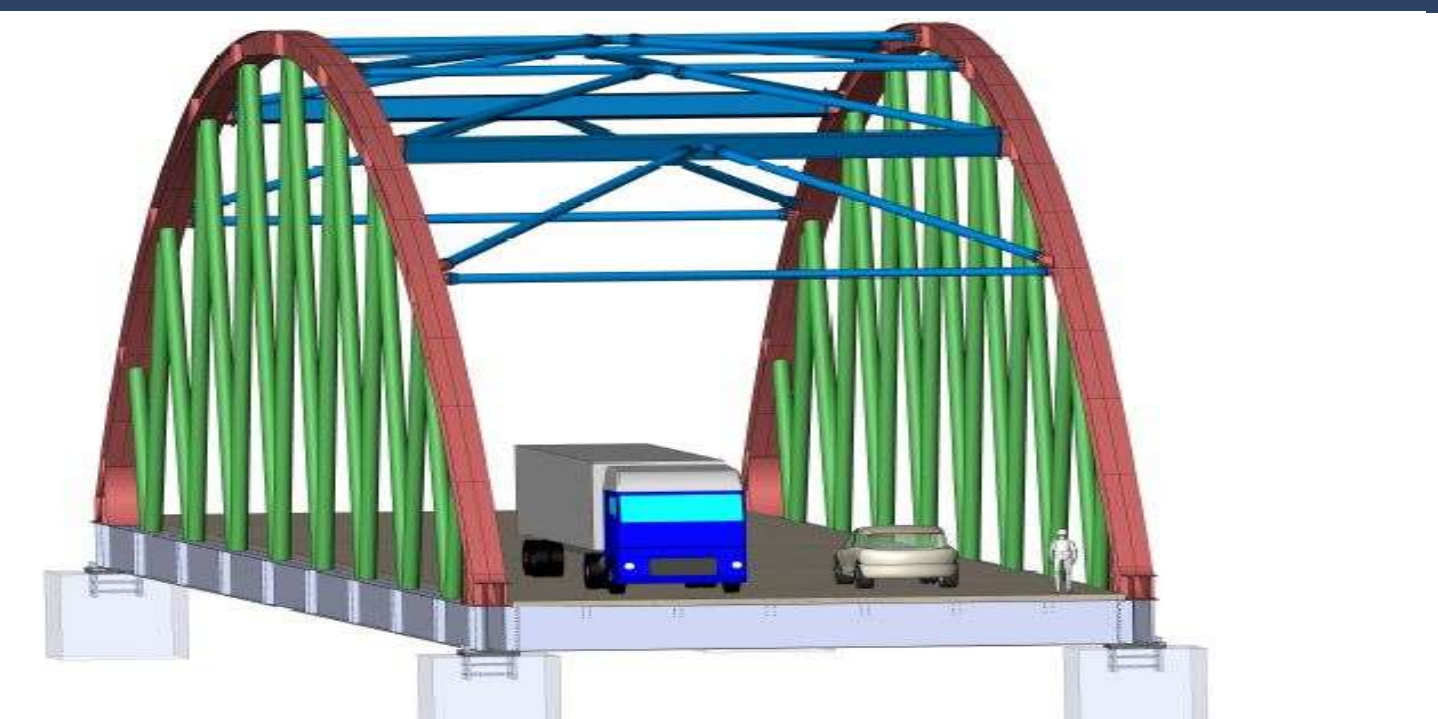


3D model of the structure

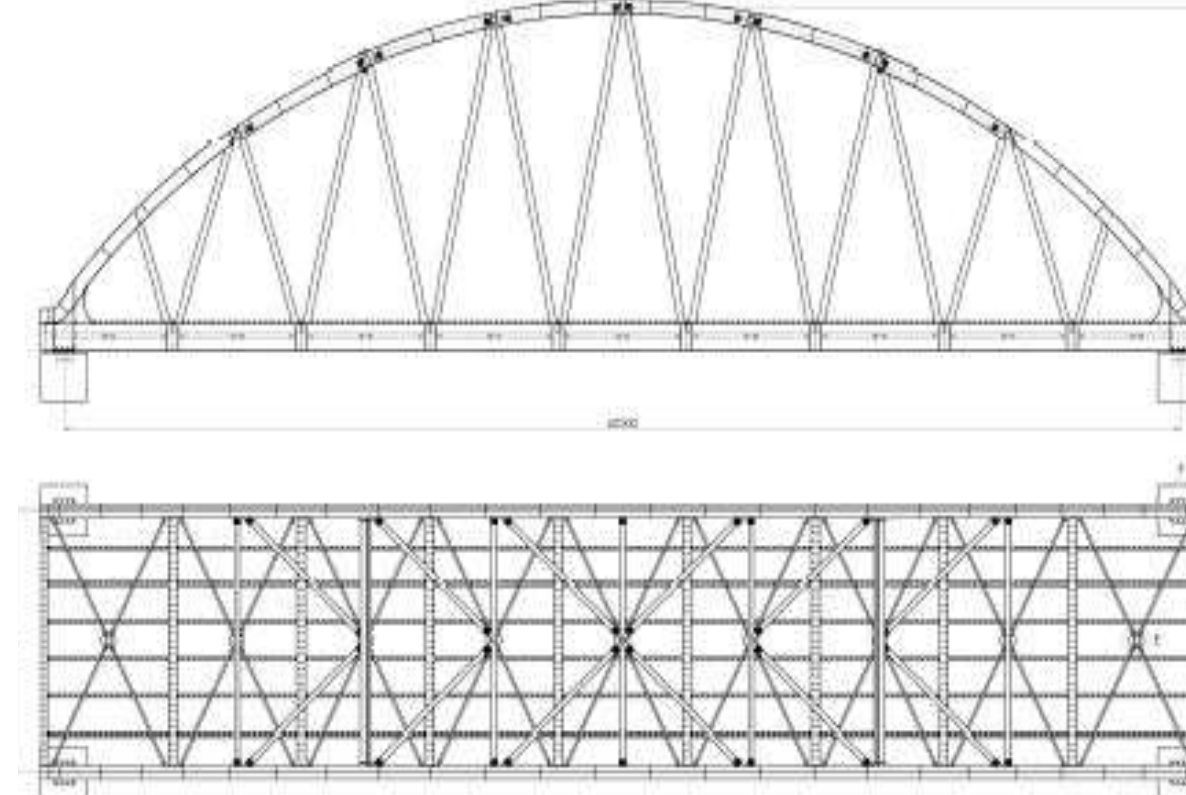


Main shed's general structure

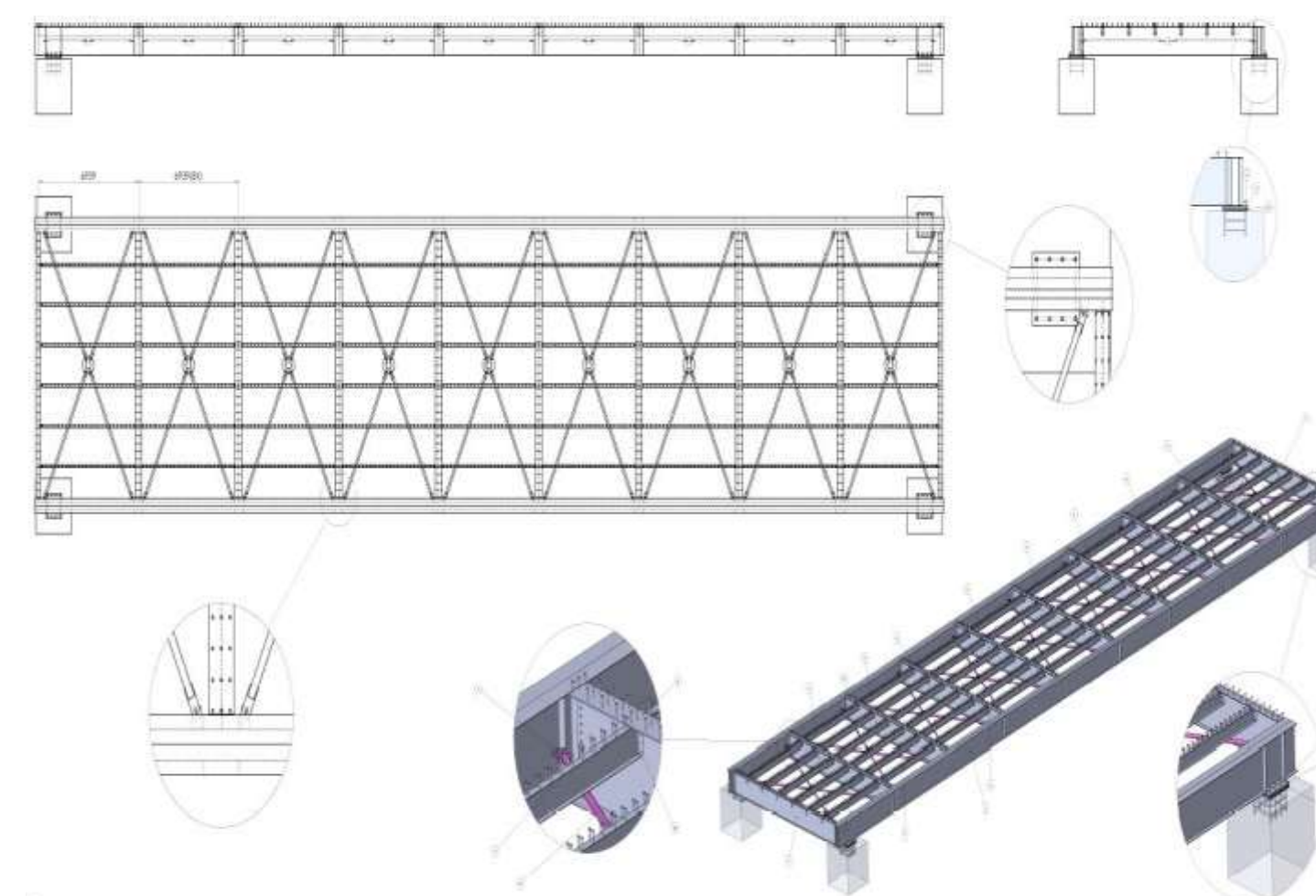
ROAD BRIDGE – TATUÍ/SP, BRASIL



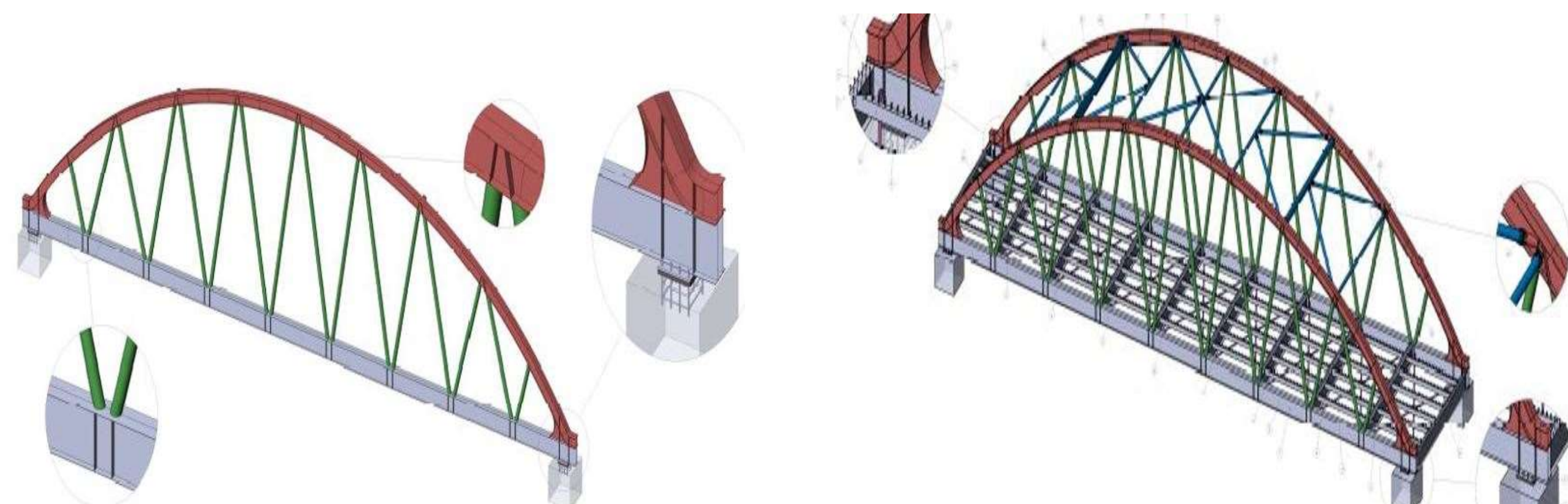
3D model of the general structure of the bridge



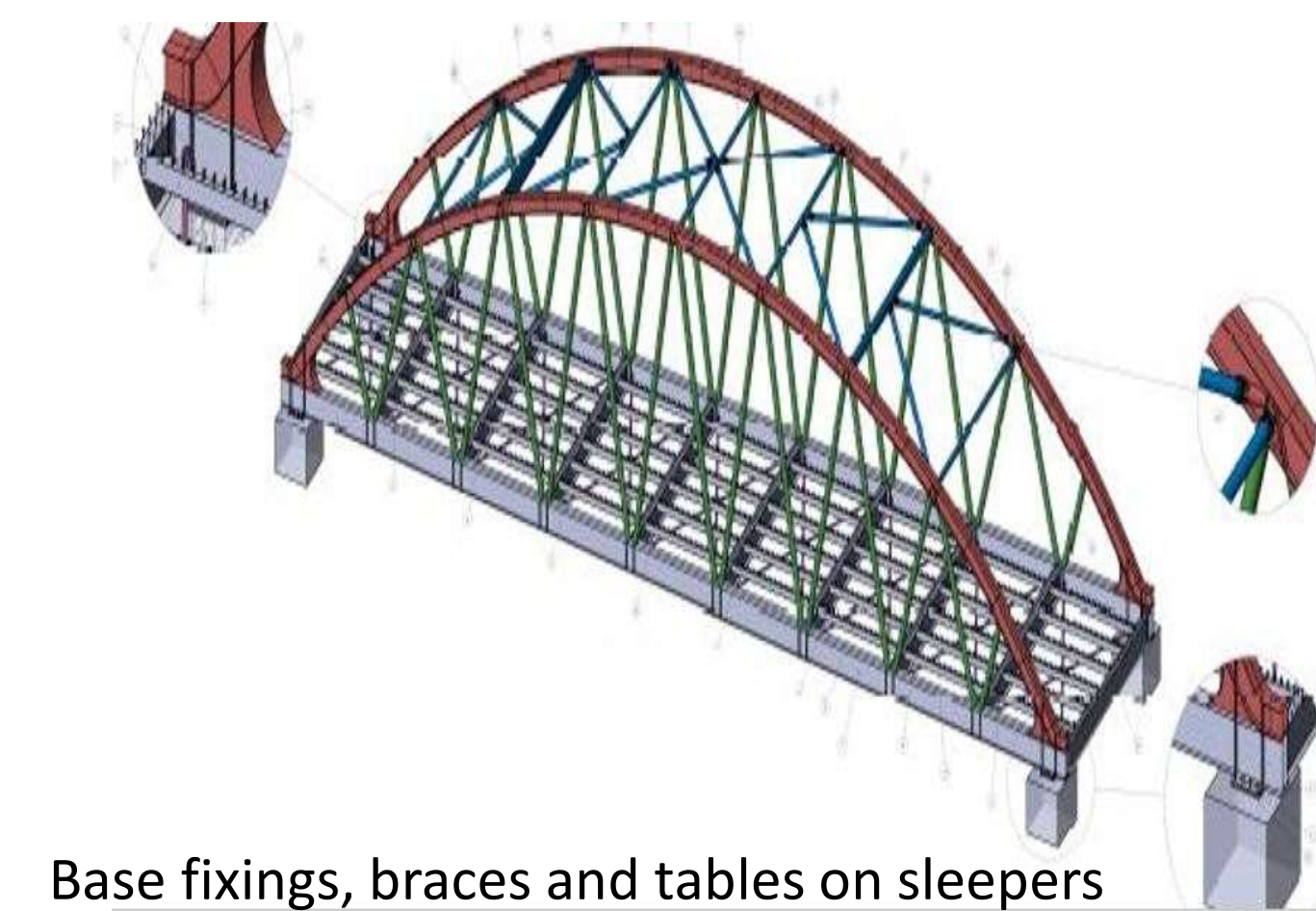
Front view and top view of the structure



Fixing sleepers, braces and shoes



Tube fixings and bridge bases

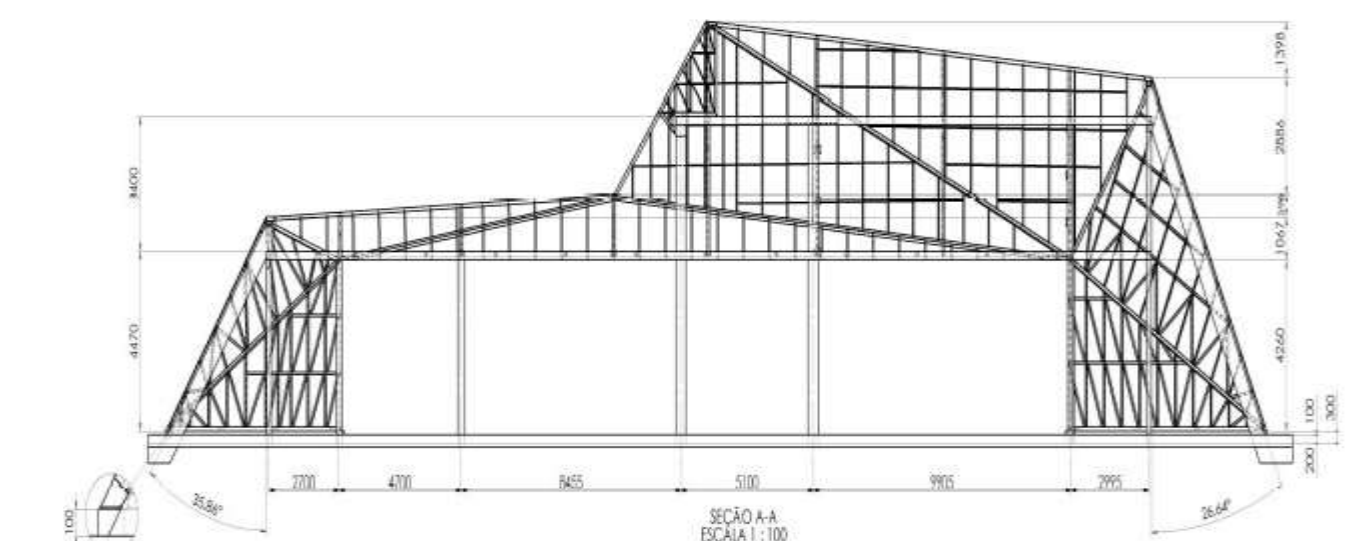


Base fixings, braces and tables on sleepers

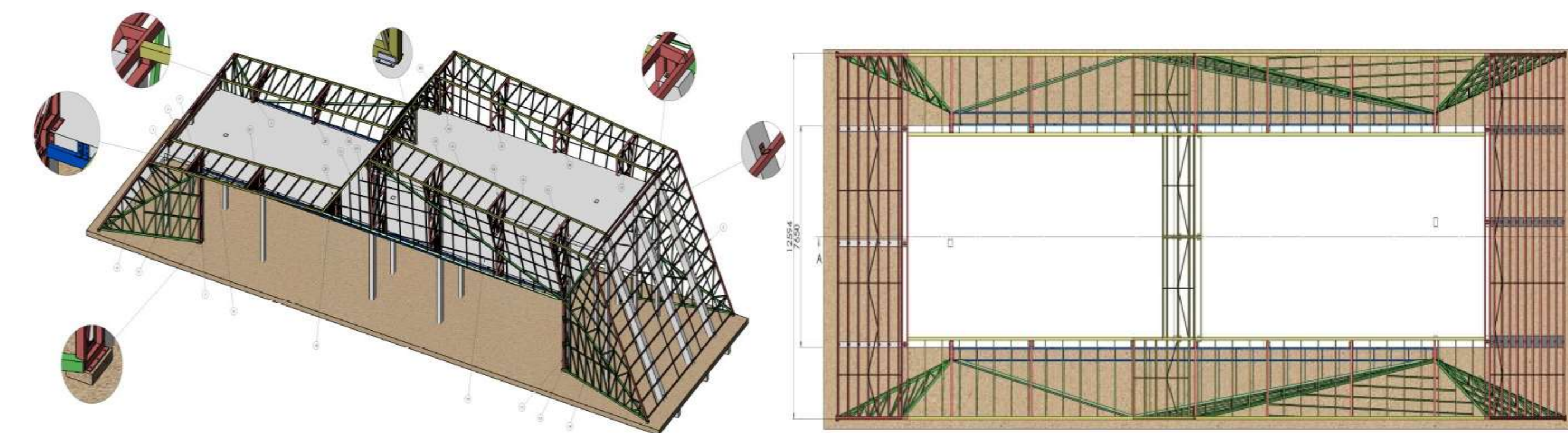
GSP CONCIERGE FACILITY - BELO HORIZONTE/MG, BRASIL



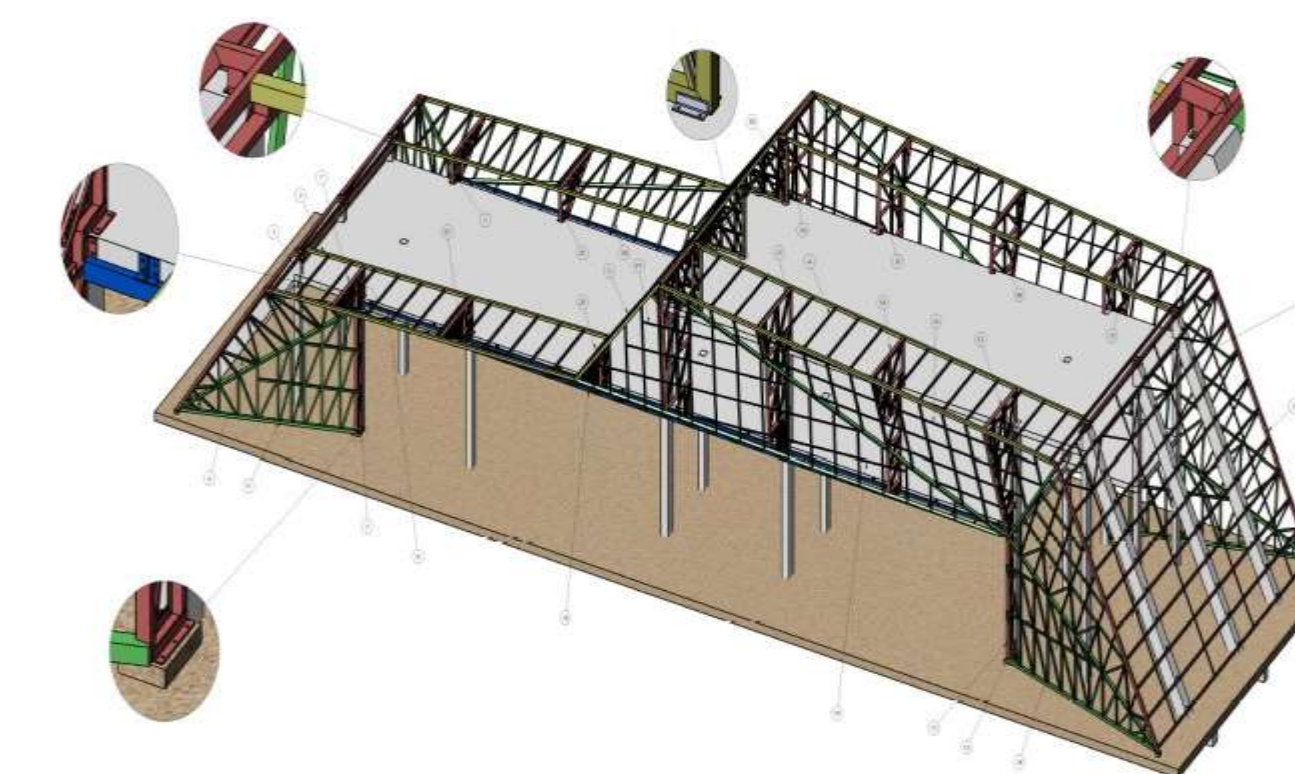
This project was made in association with Enned Architects, from New York, USA.



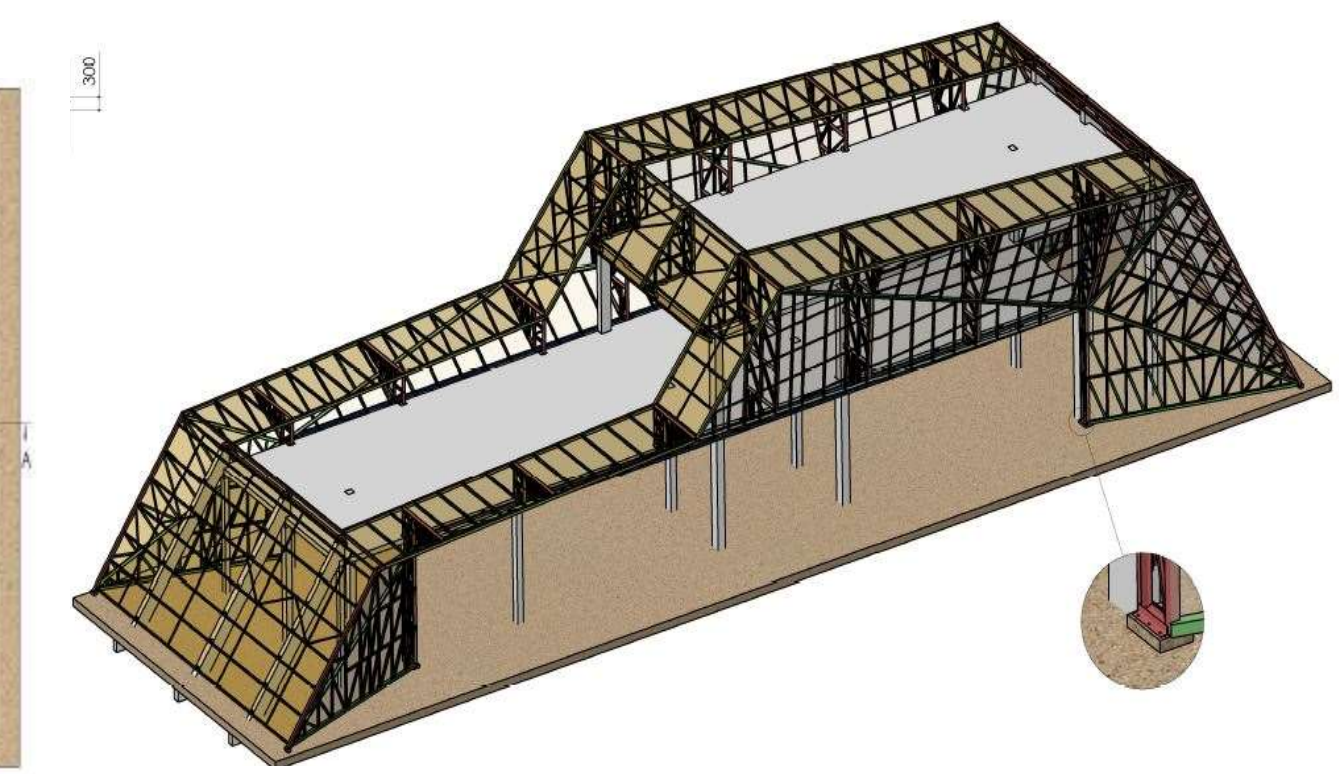
Front view of the structure



Top view of the structure

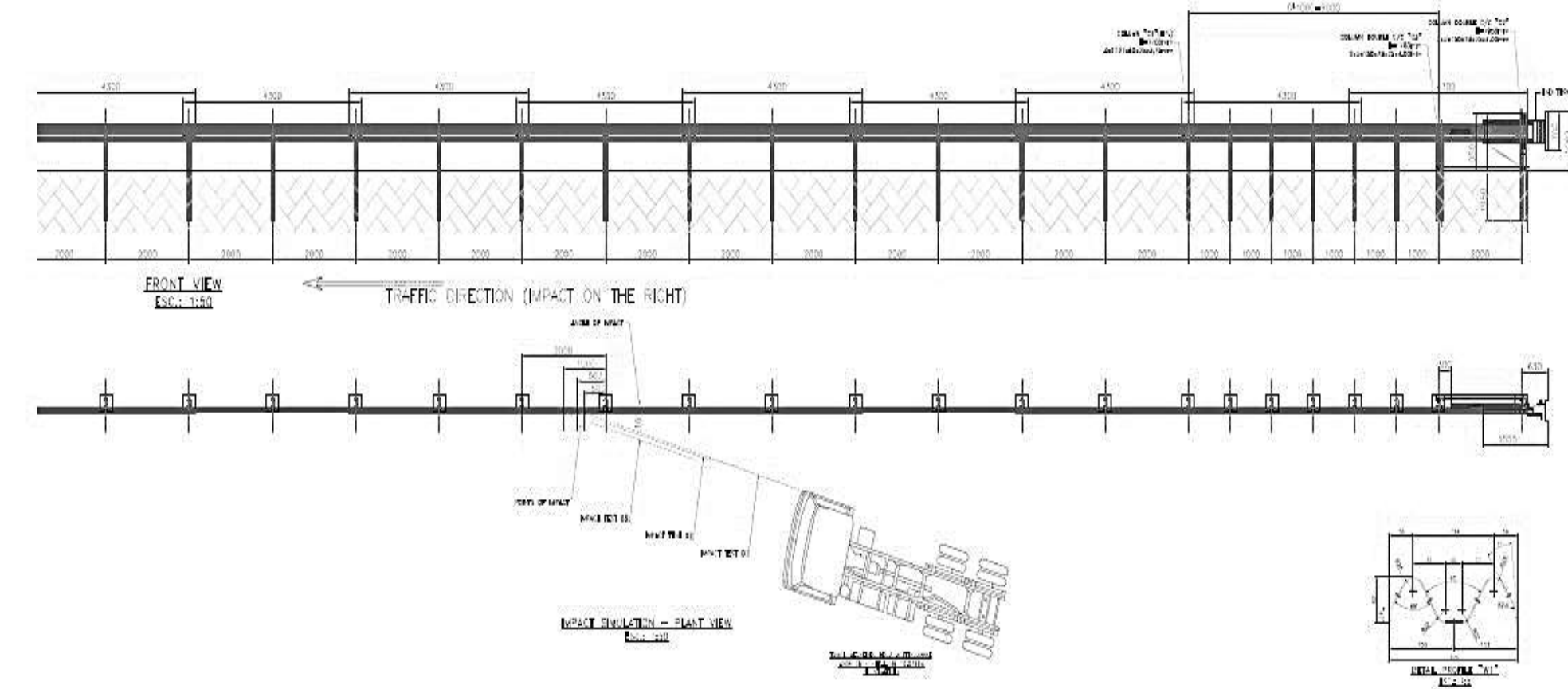
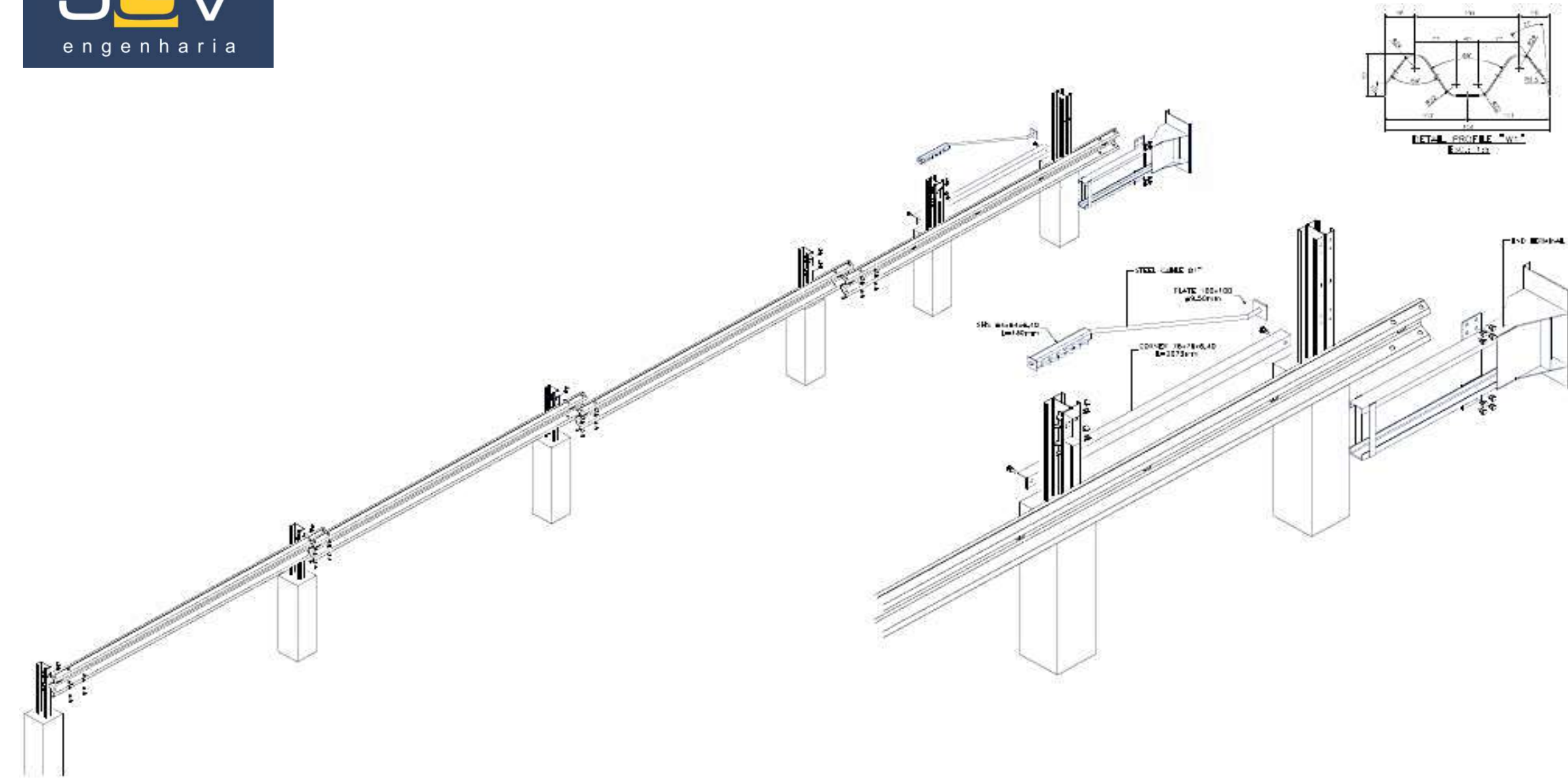


Indications of the structure fixings

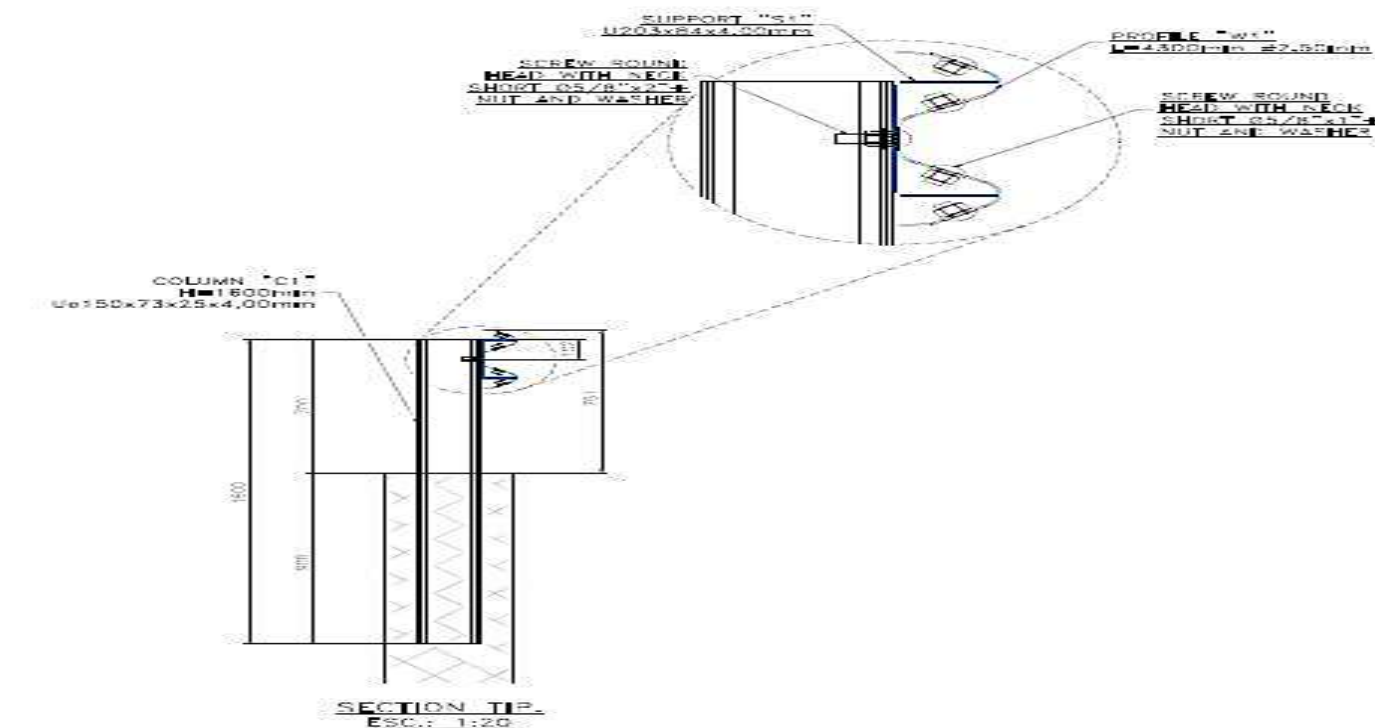


3D model of the general structure of the concierge facility

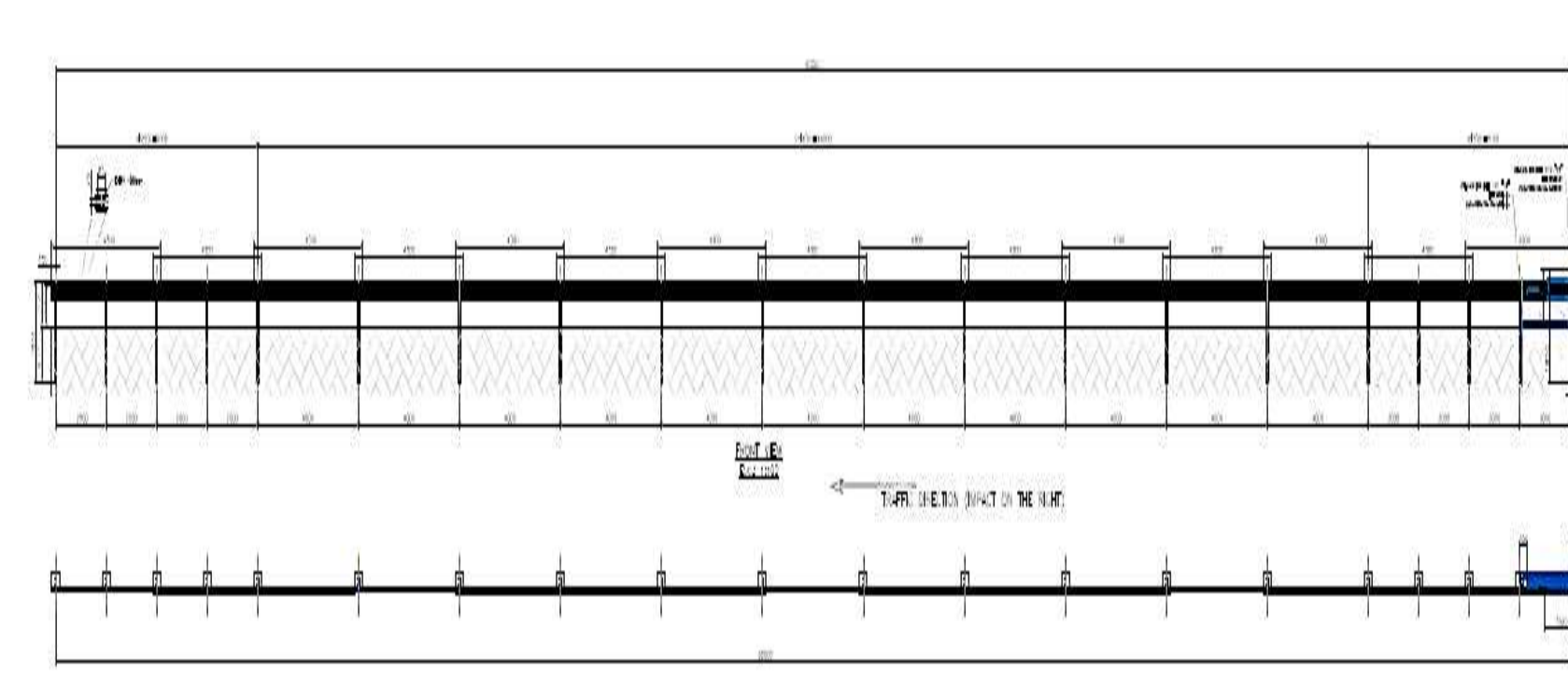
IMPACT ATTENUATORS – BRASIL



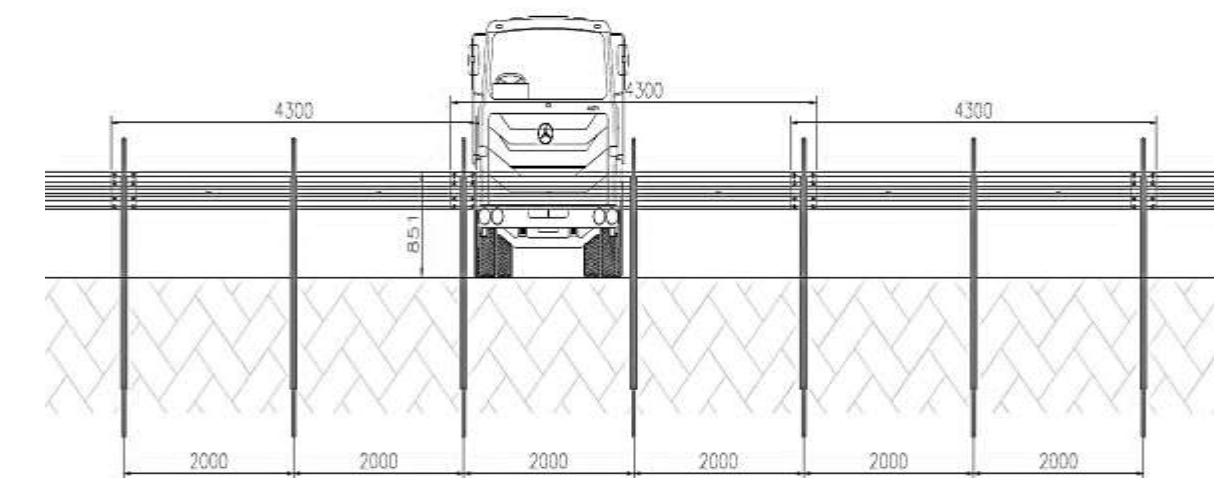
General structure and impact simulation



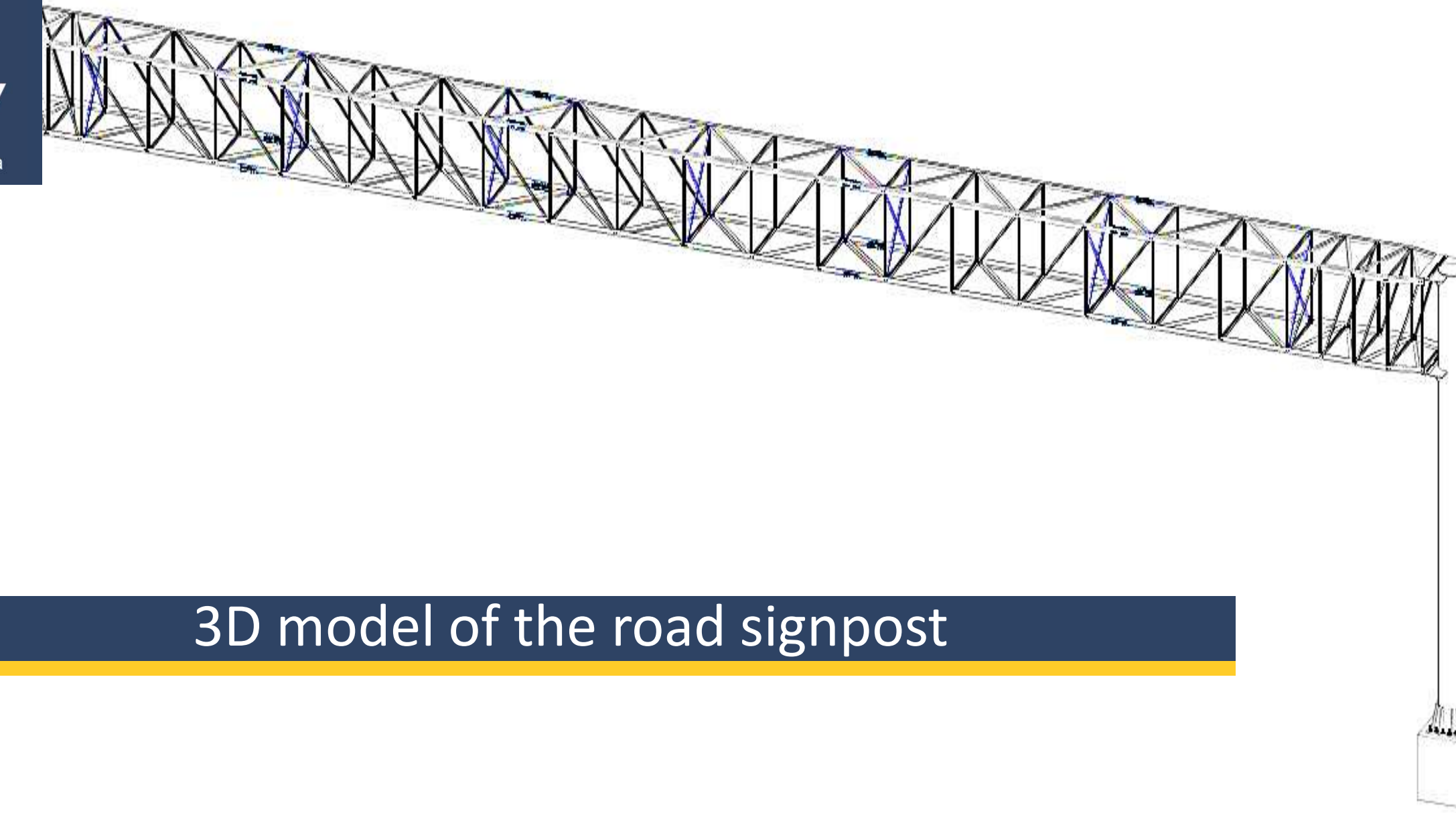
Structure fixing detail



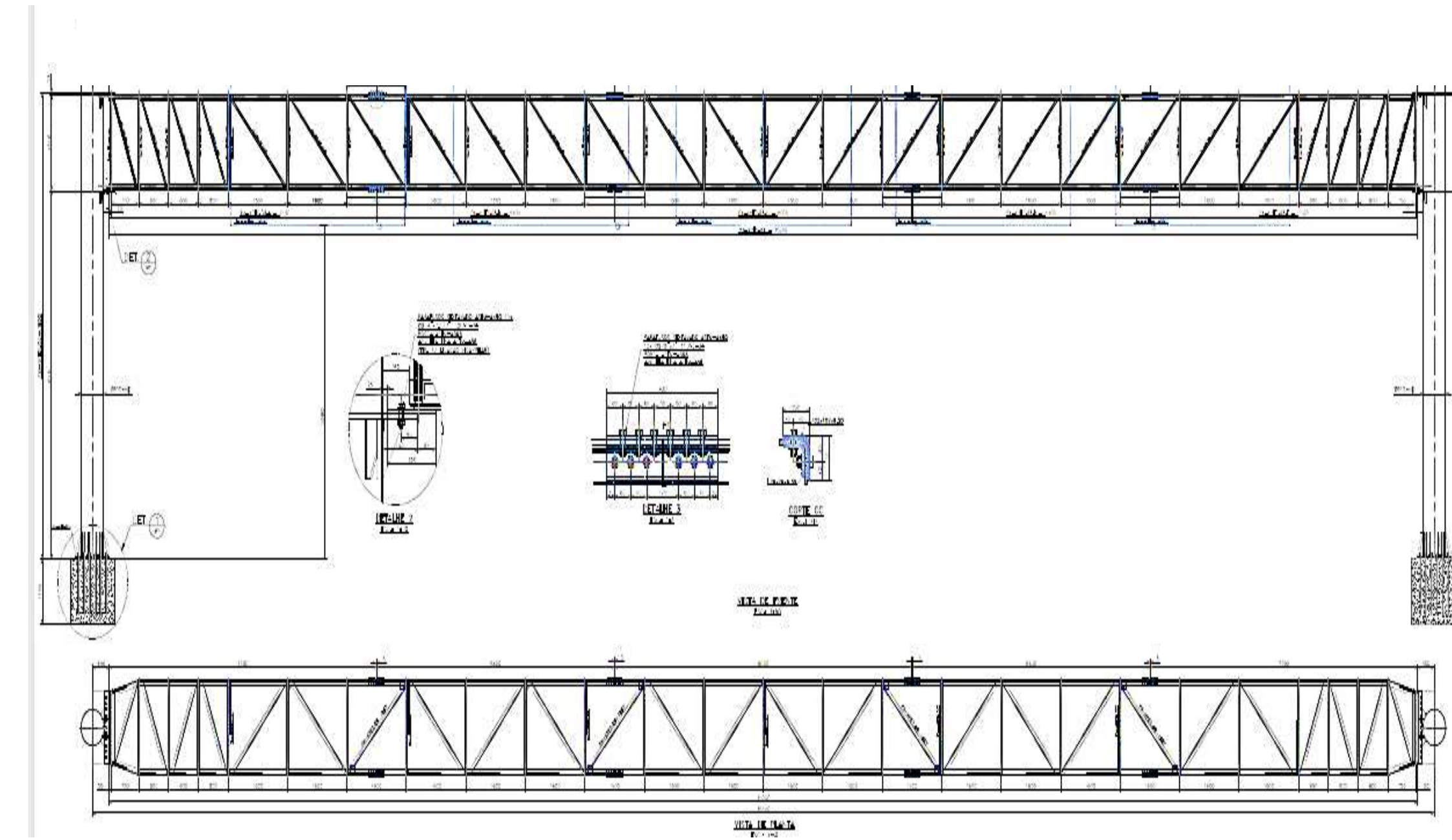
Front view and top view of the structure



Front view of the structure

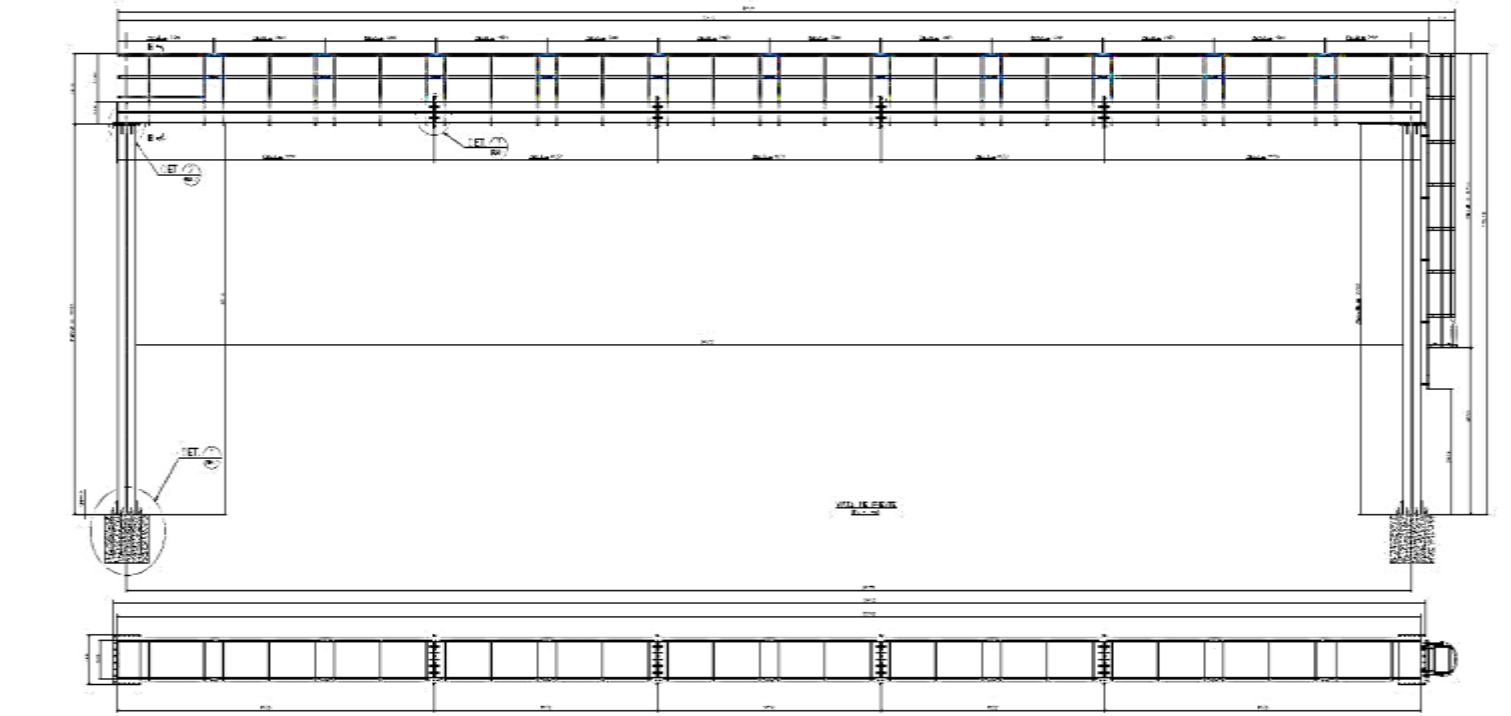


3D model of the road signpost

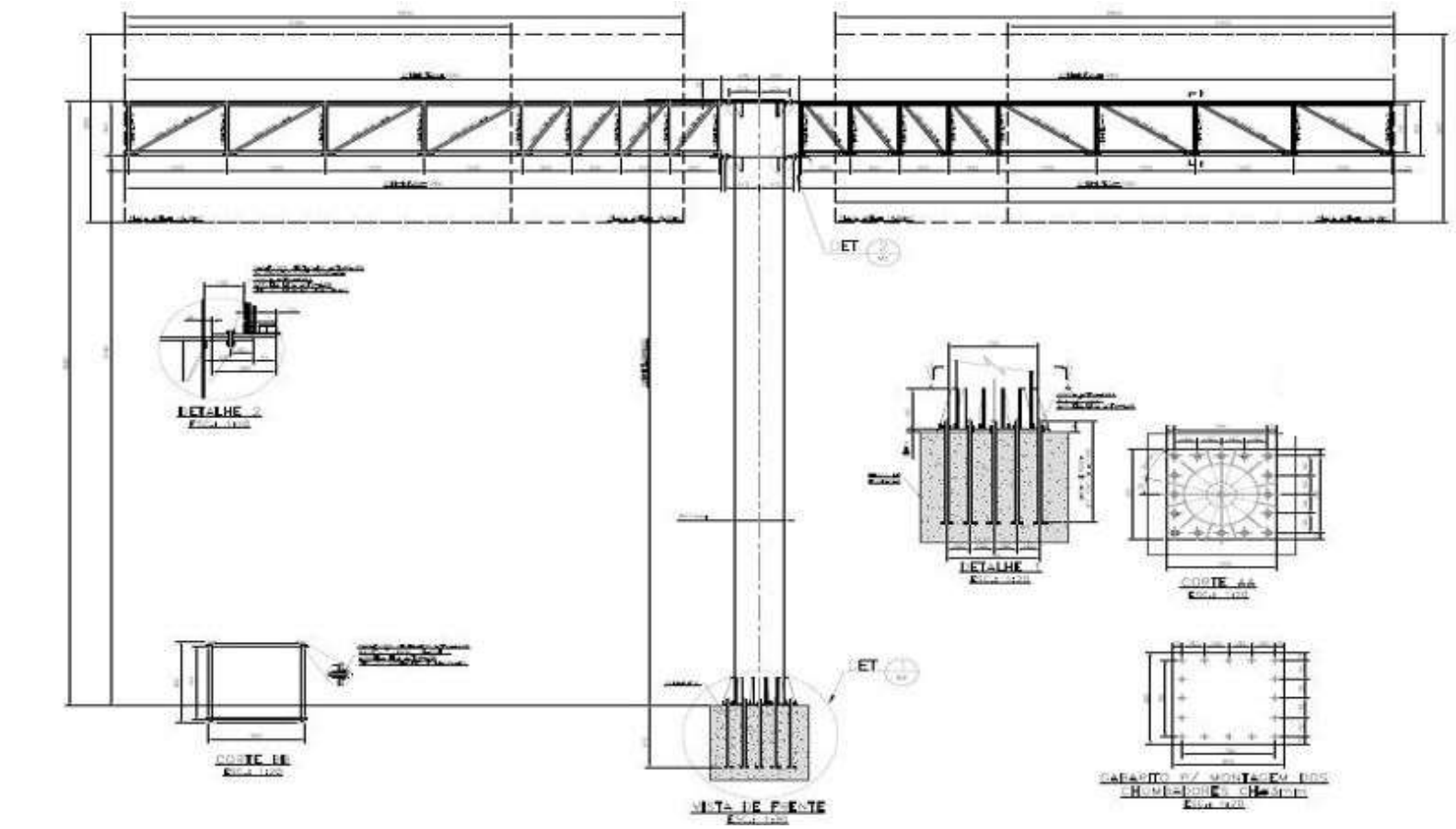


Front and top view of the gantry structure

ROAD SIGNALING GANTRY – BRASIL



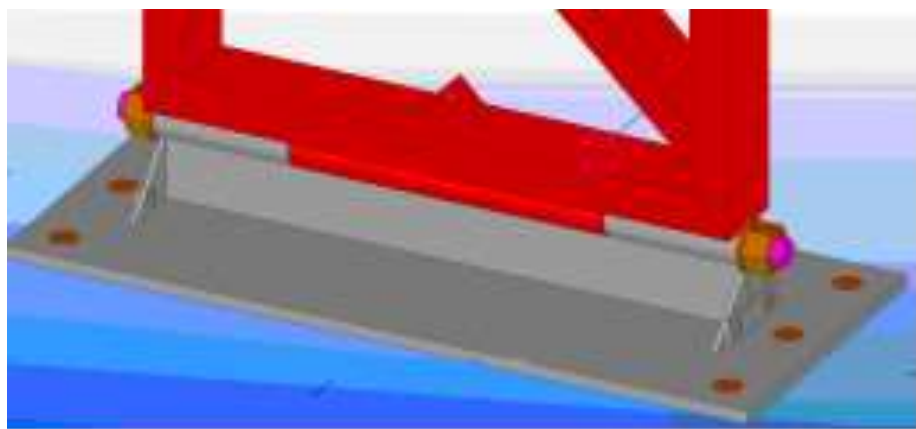
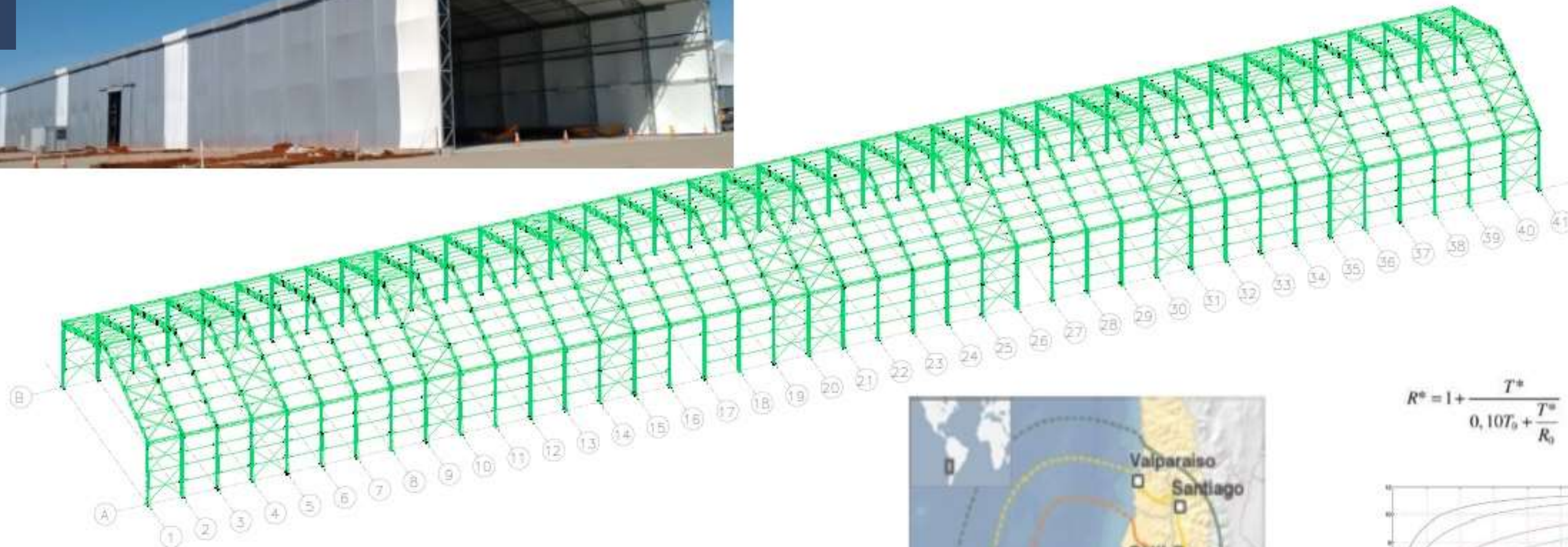
Front and top view



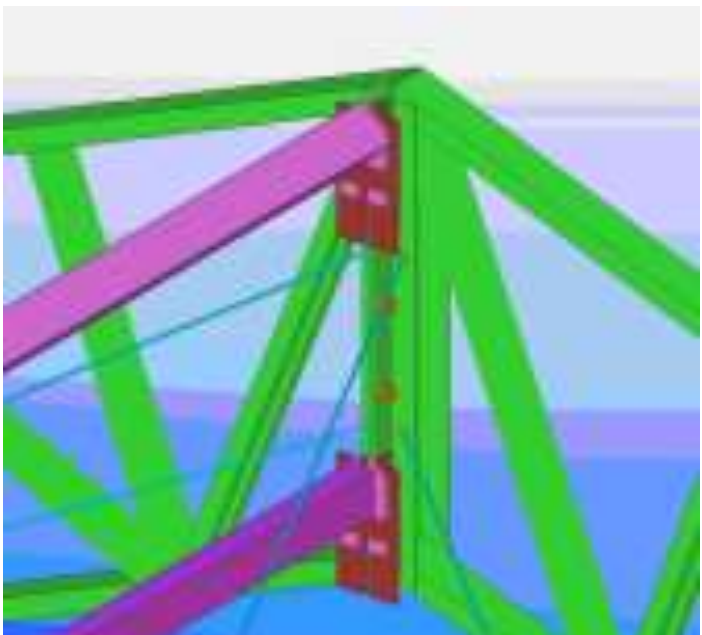
Foundation and structure links.

KOPRON – TEMUCO, CHILE – SEISMIC ZONE II

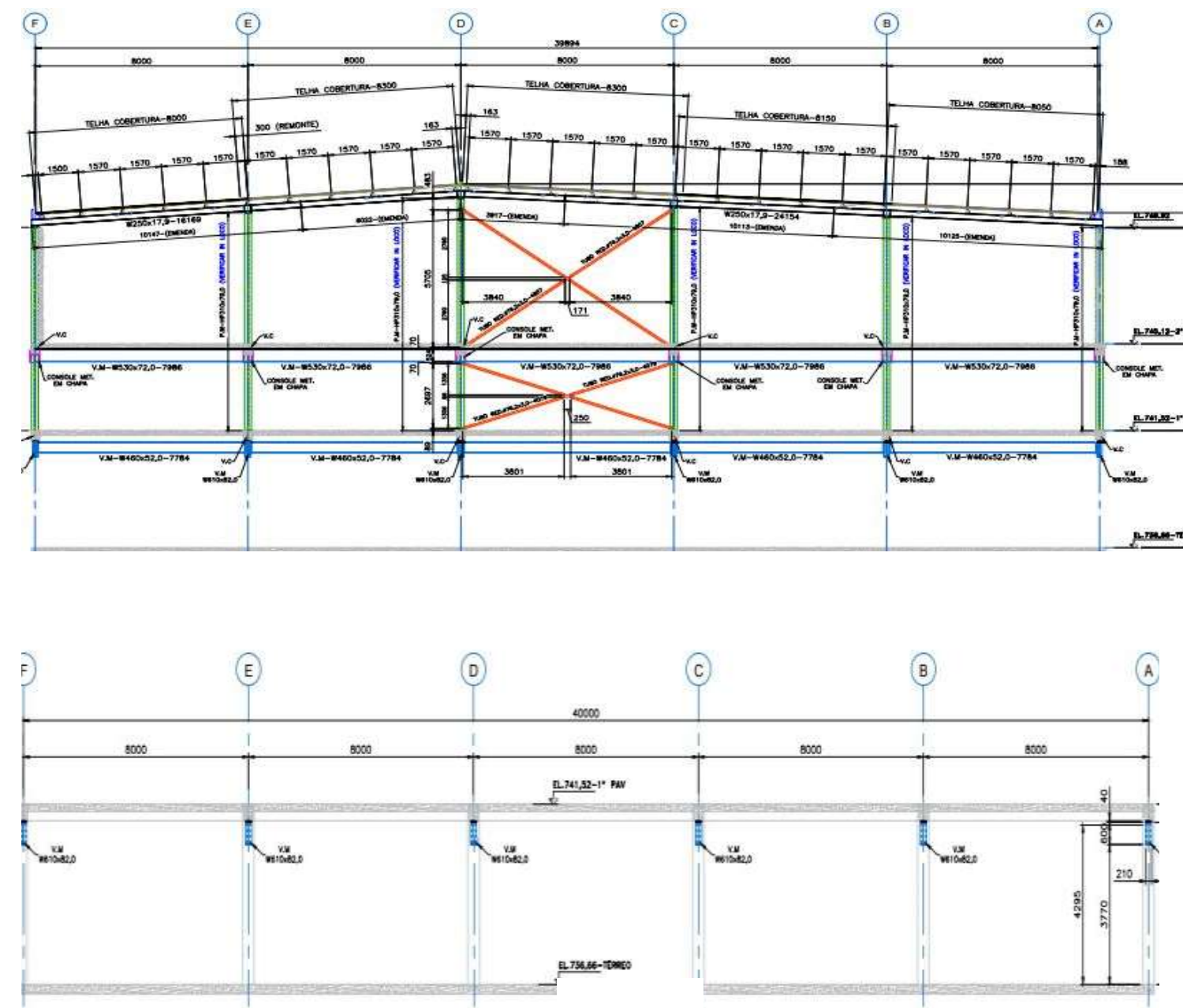
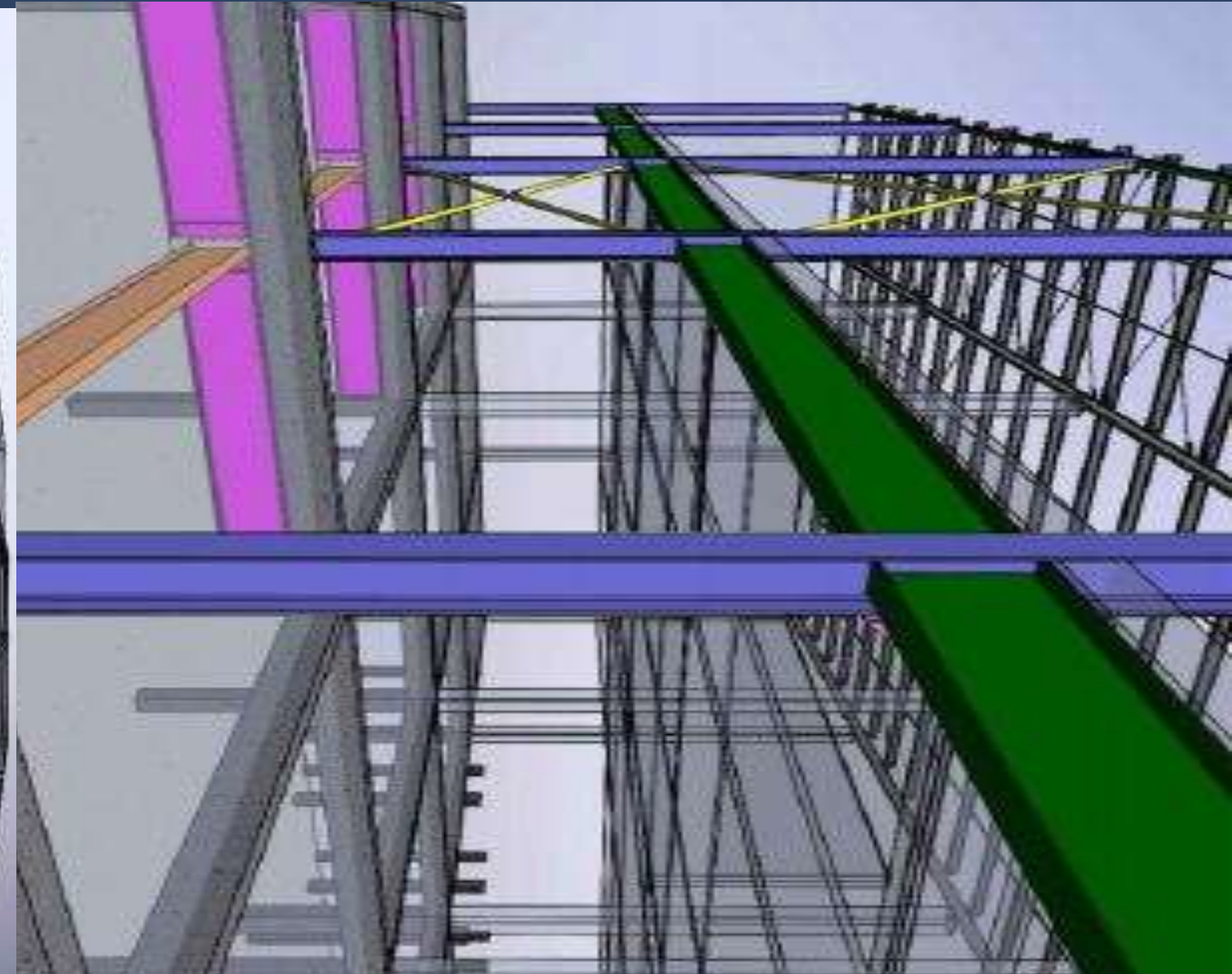
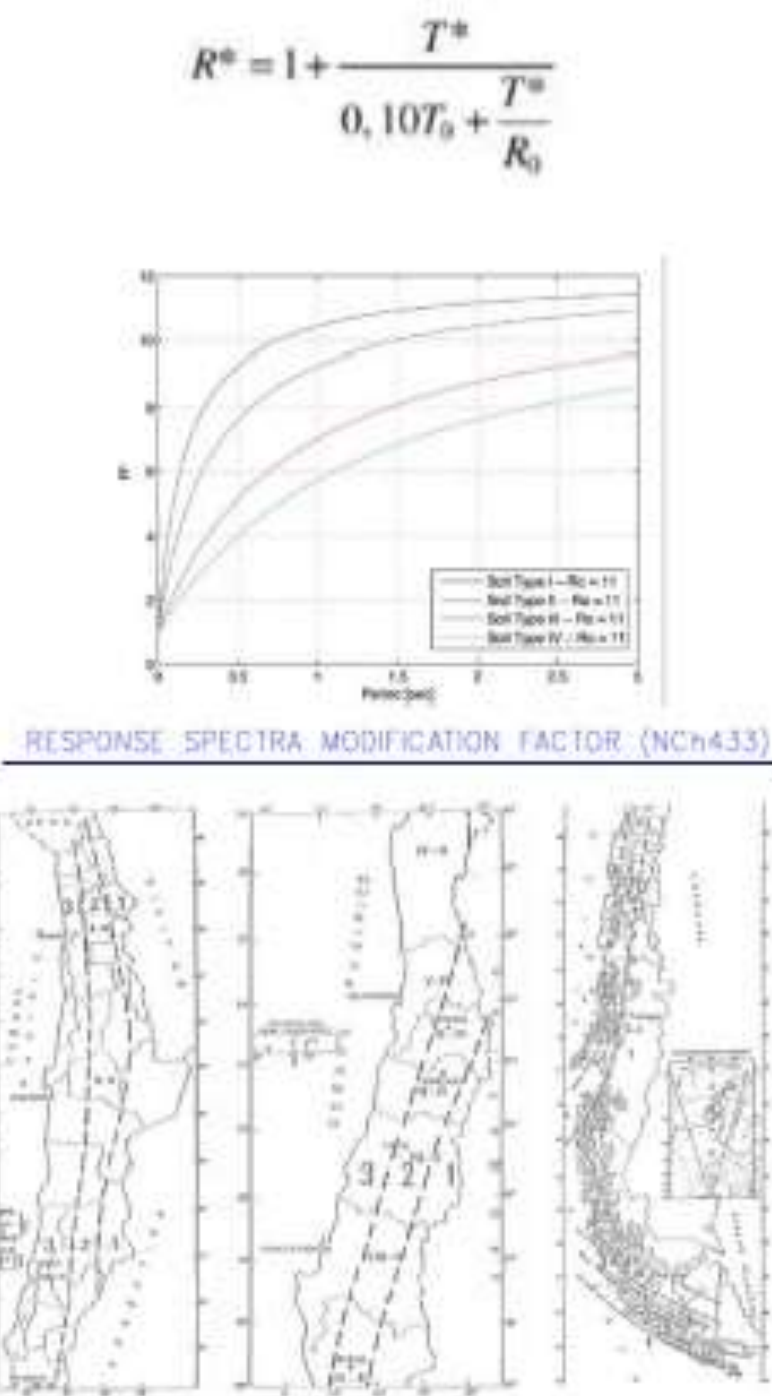
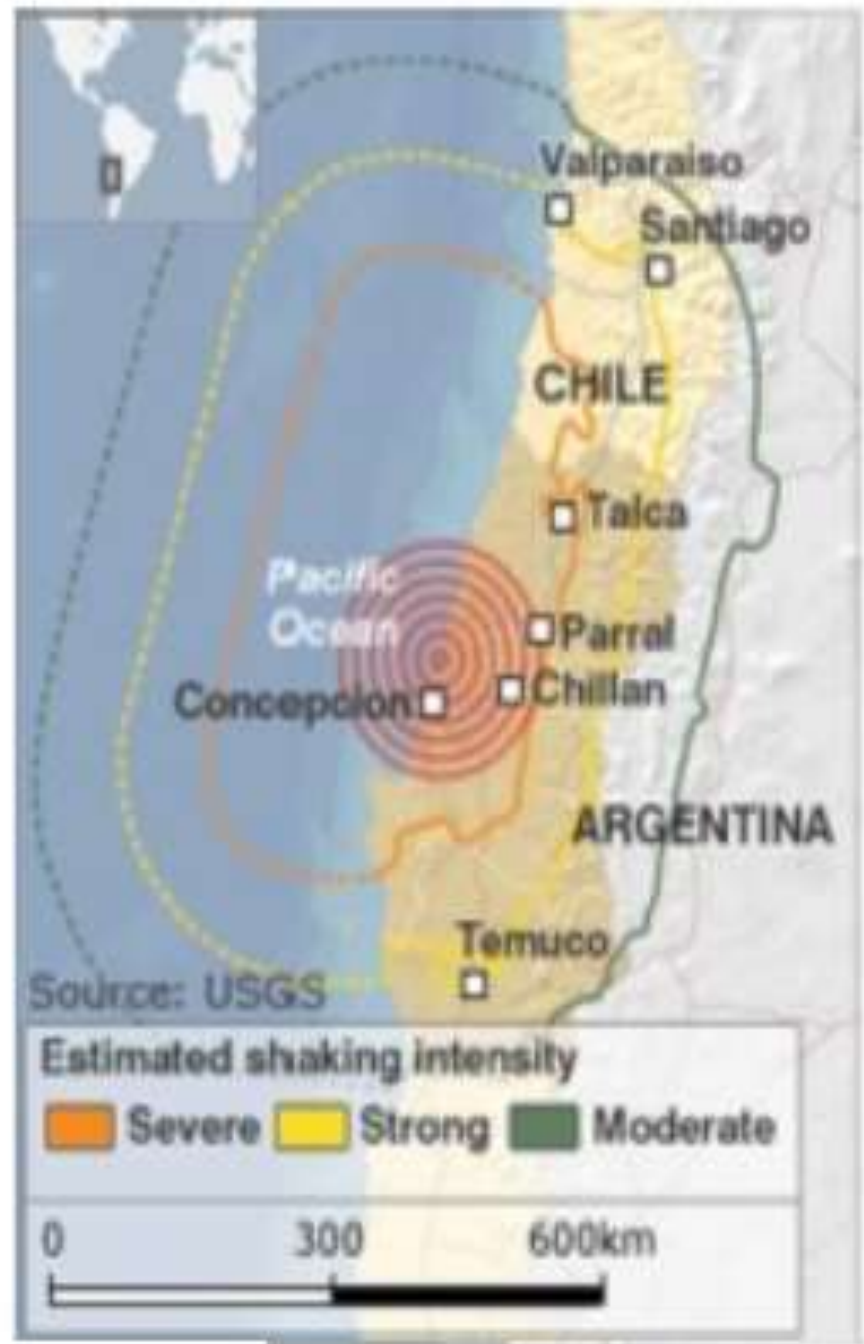
BUILDING REINFORCEMENT - TELEPERFORMANCE – SÃO PAULO/SP, BRASIL



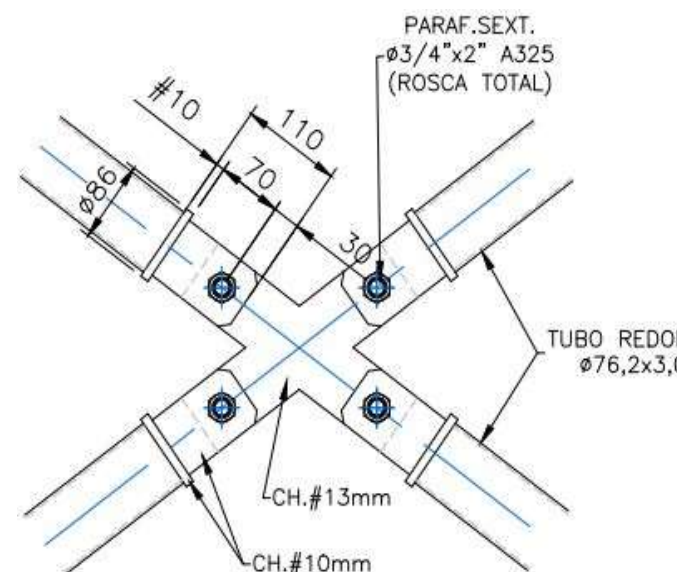
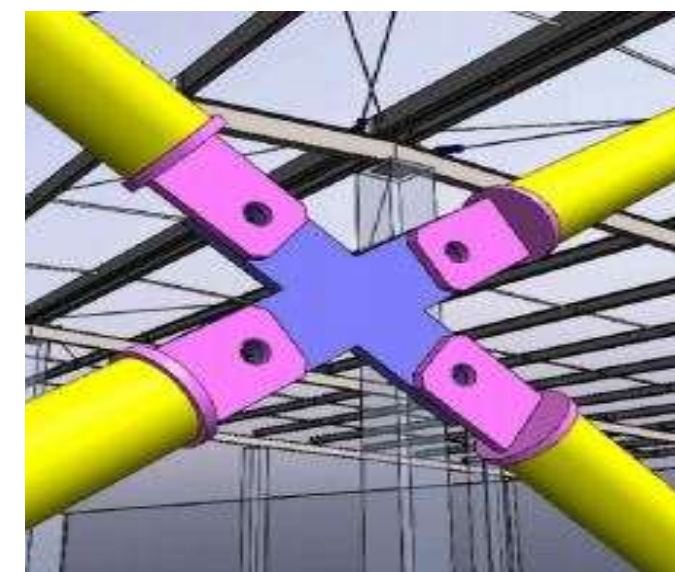
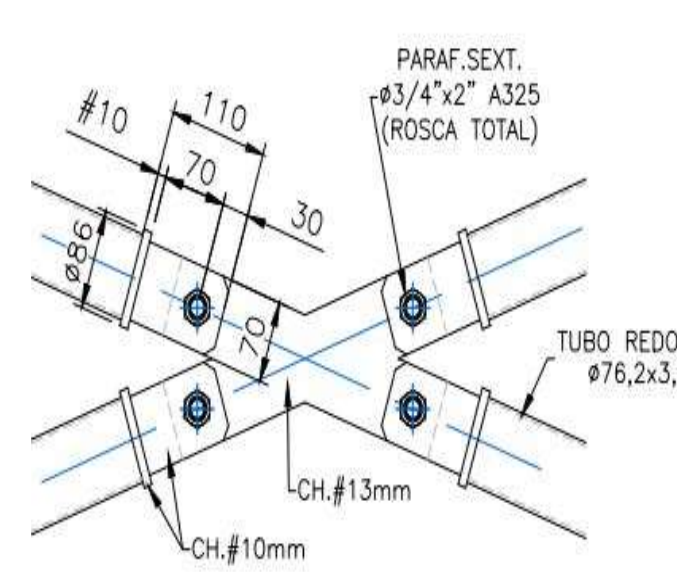
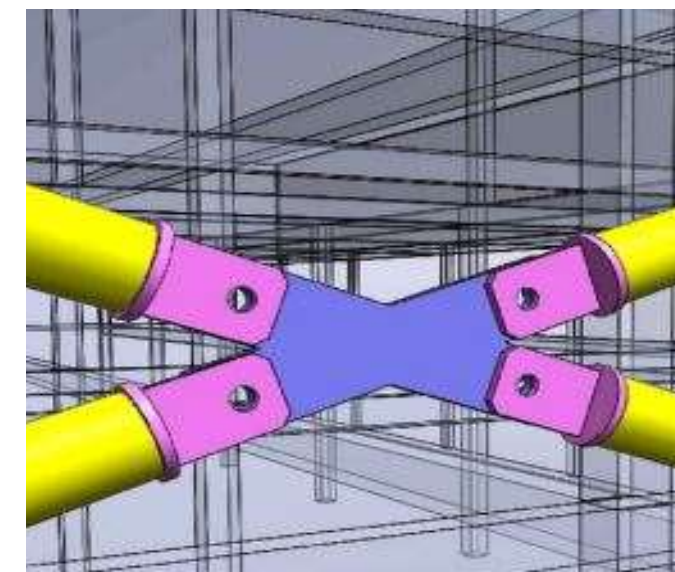
Designed base mount



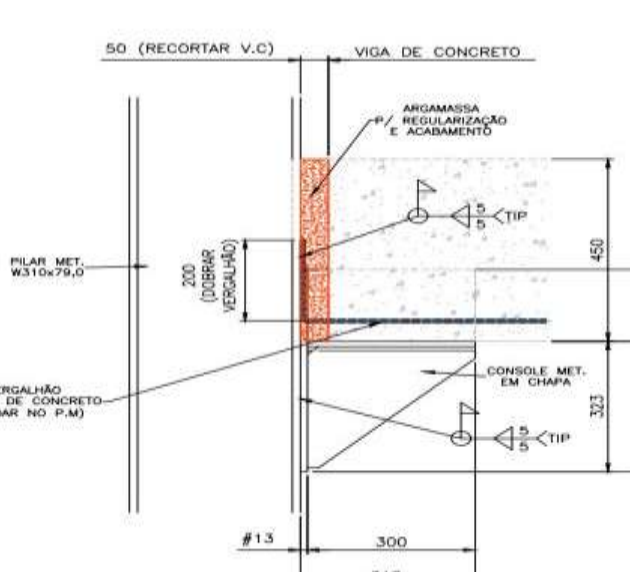
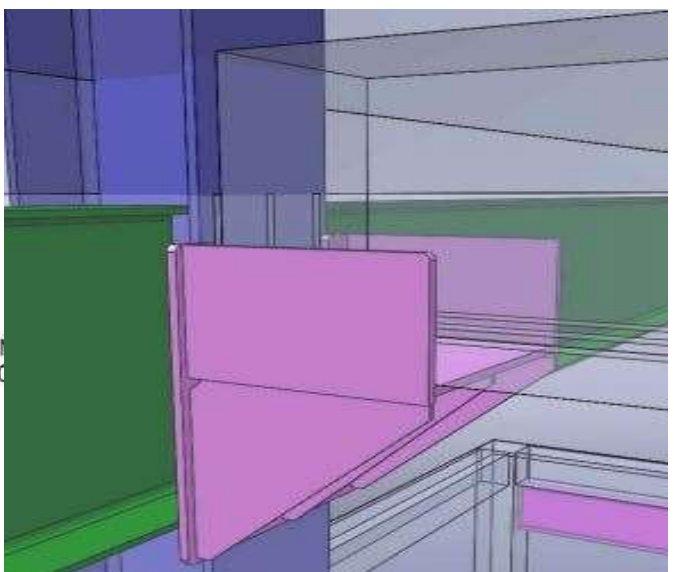
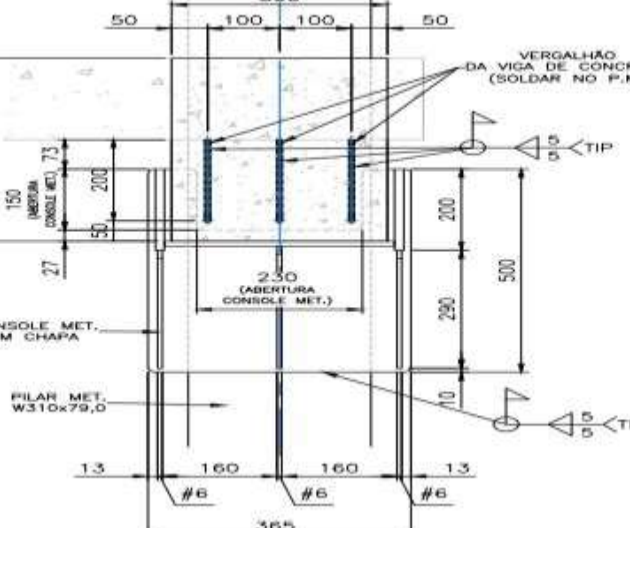
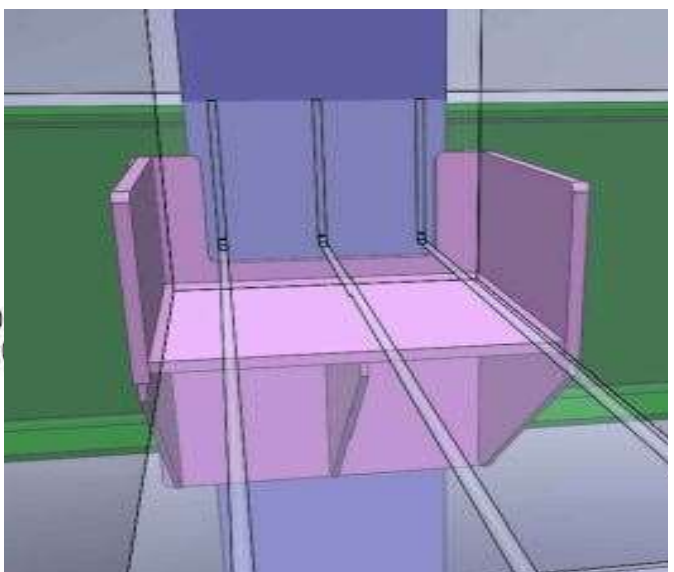
Close-up details: connection points



Views of the building's reinforcing metal structure



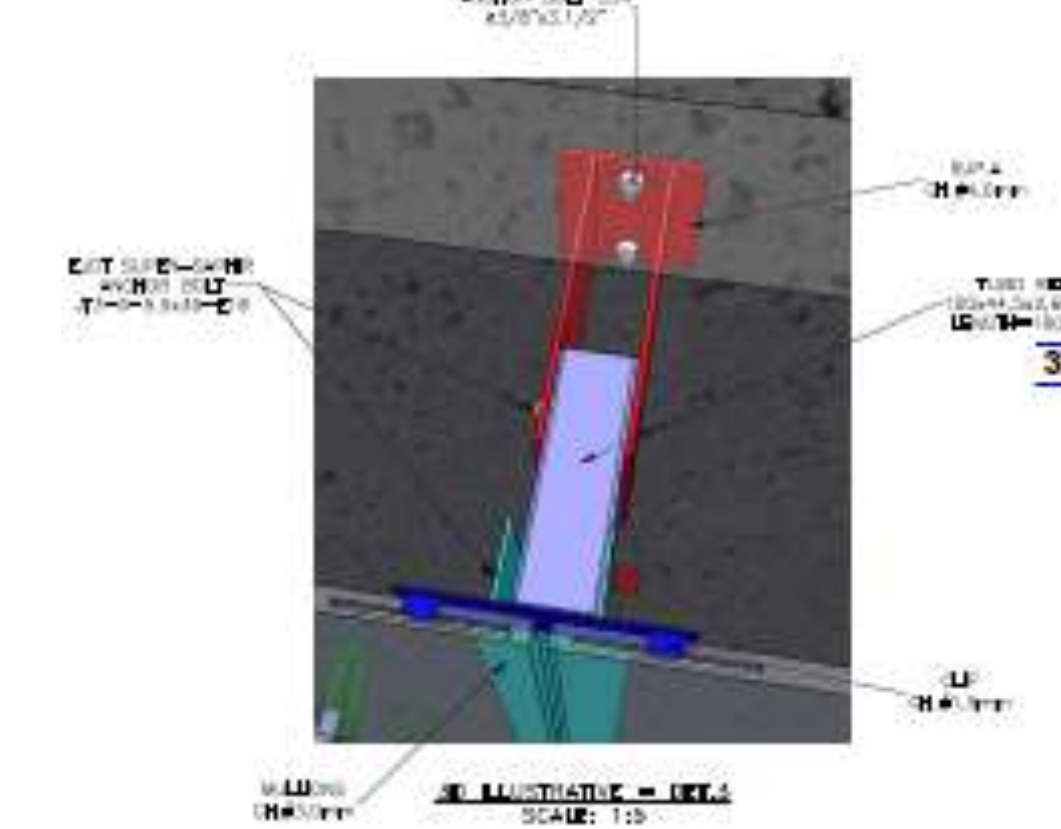
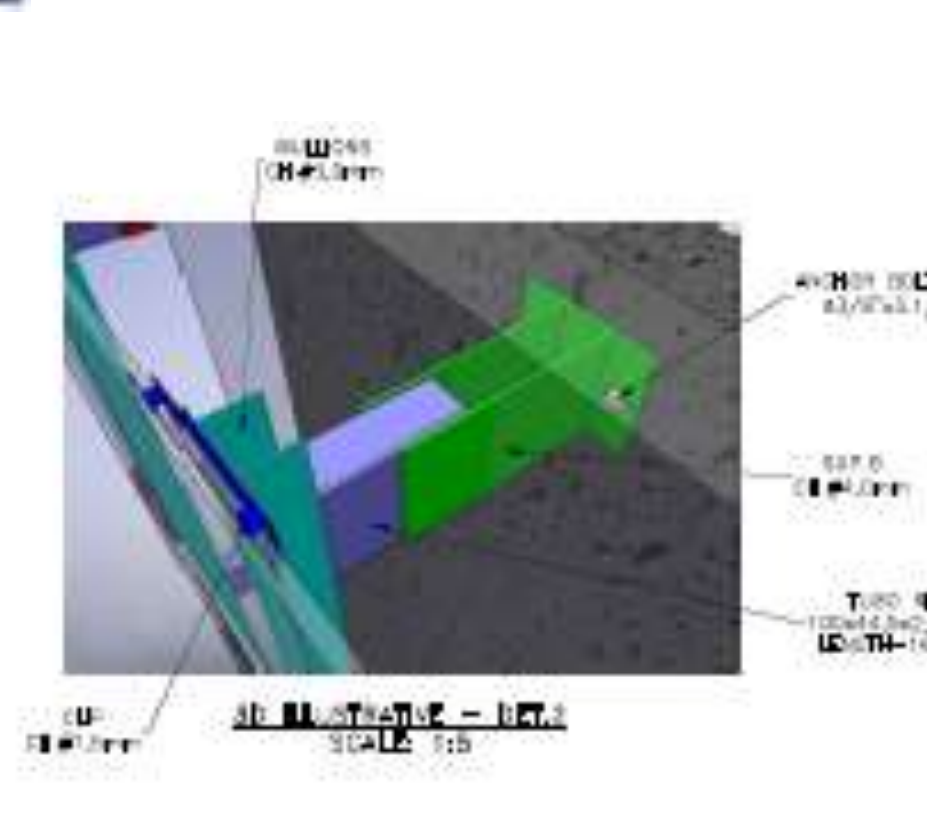
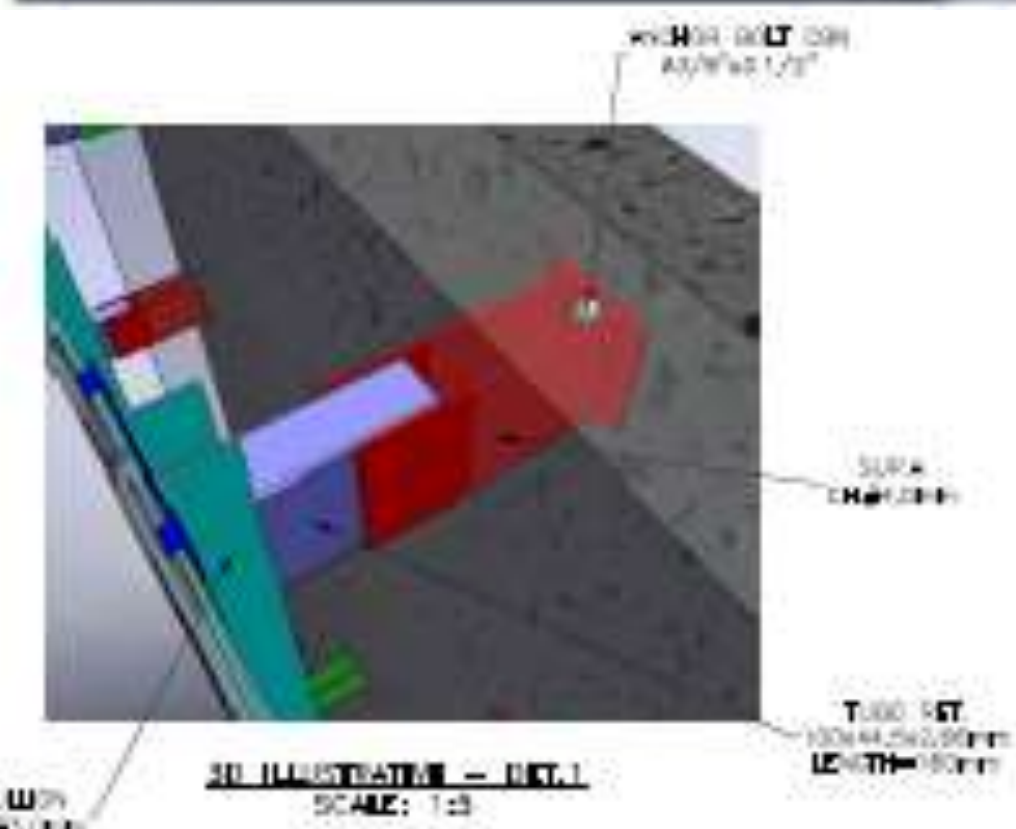
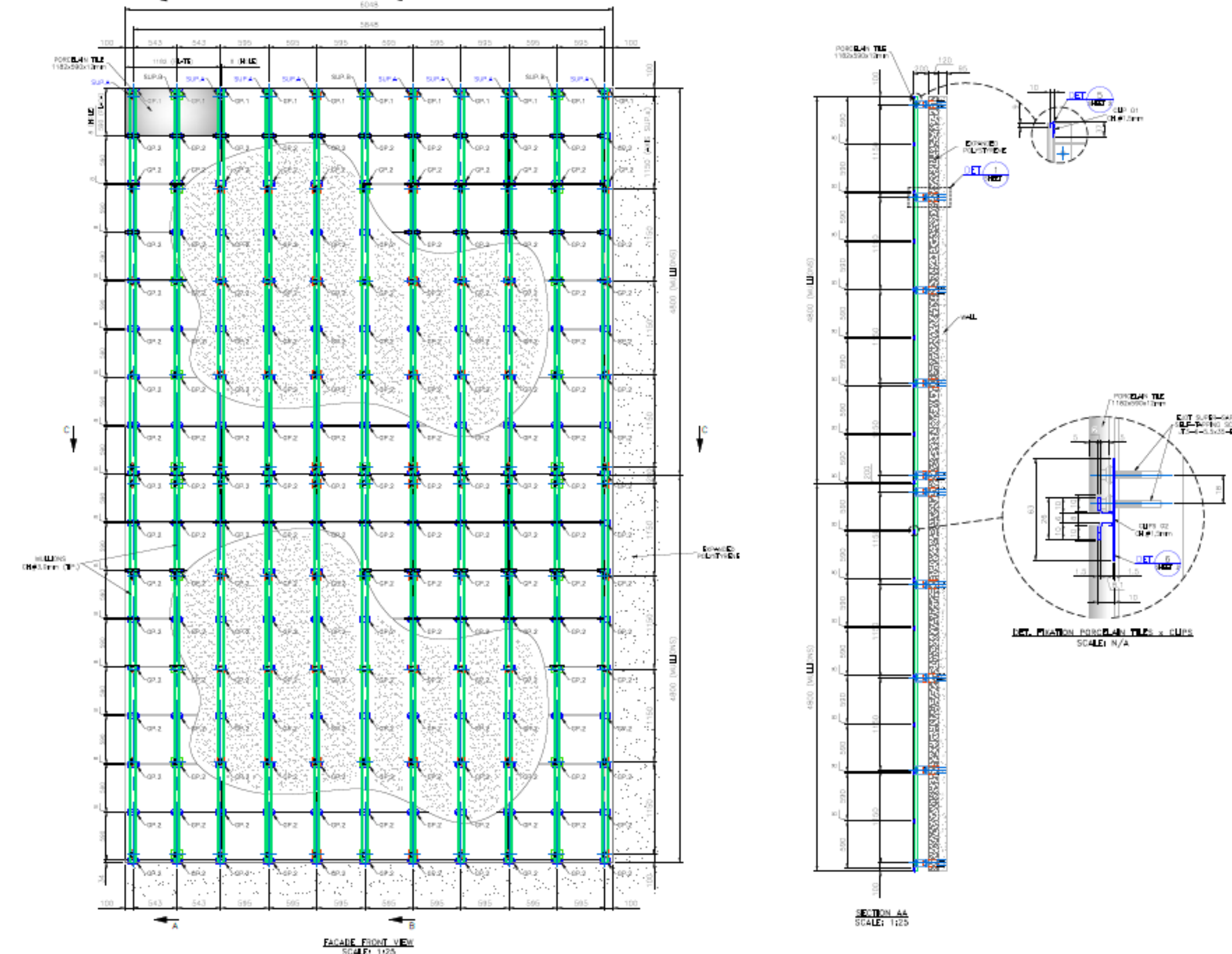
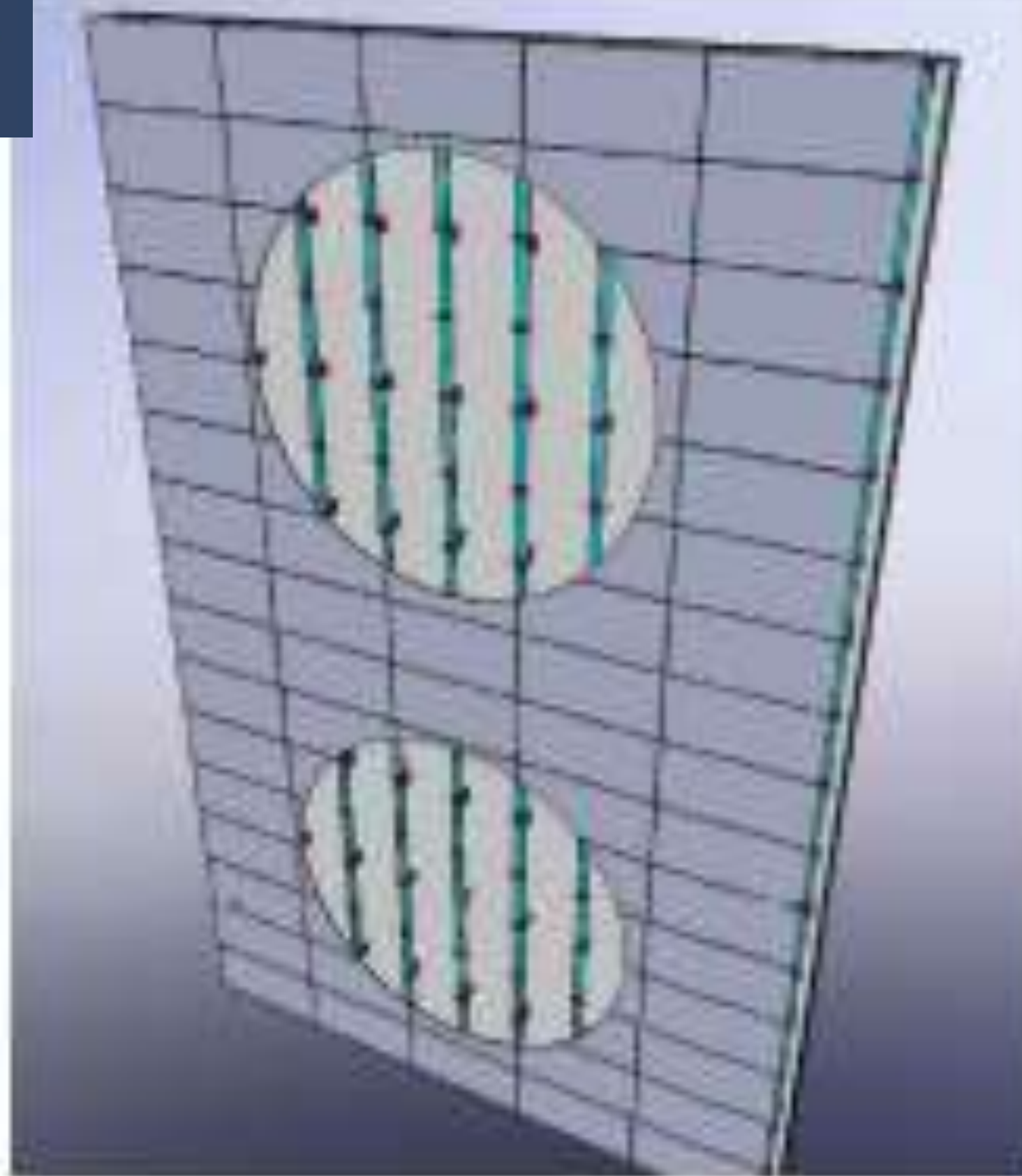
In detail perspective of structural connection points



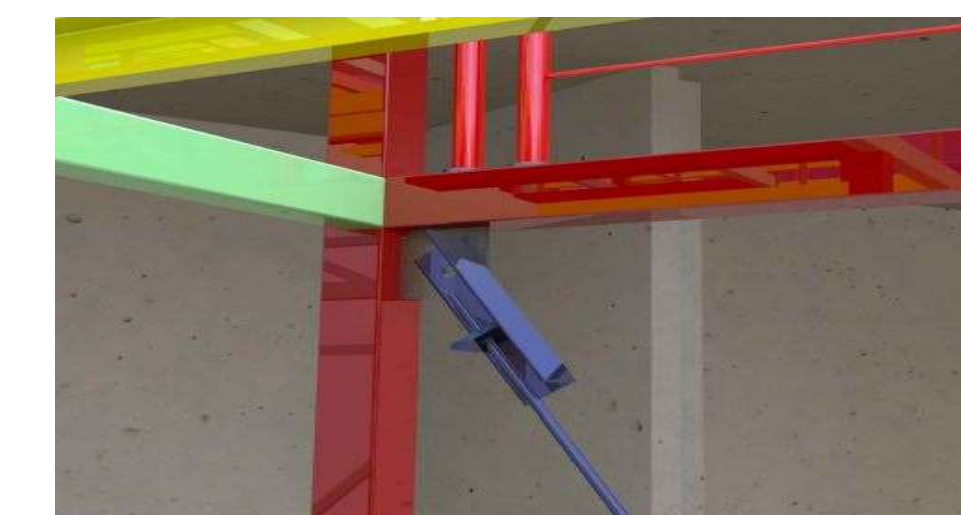
Detailed concrete beam fixing, metallic console and pillar

ALPHAMAX – ALL ACROSS CHILE – SEISMIC ZONE I

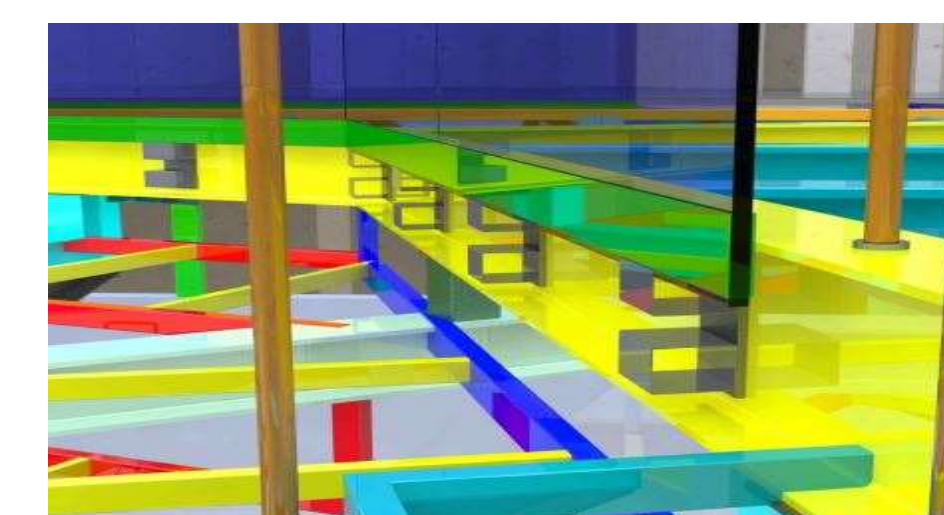
This building's ventilated exterior design was used all across Chile, for buildings from 30 to 90 meters tall, and was made so it could sustain the worst wind and seismic scenarios in the country, including seismic zone I located buildings.



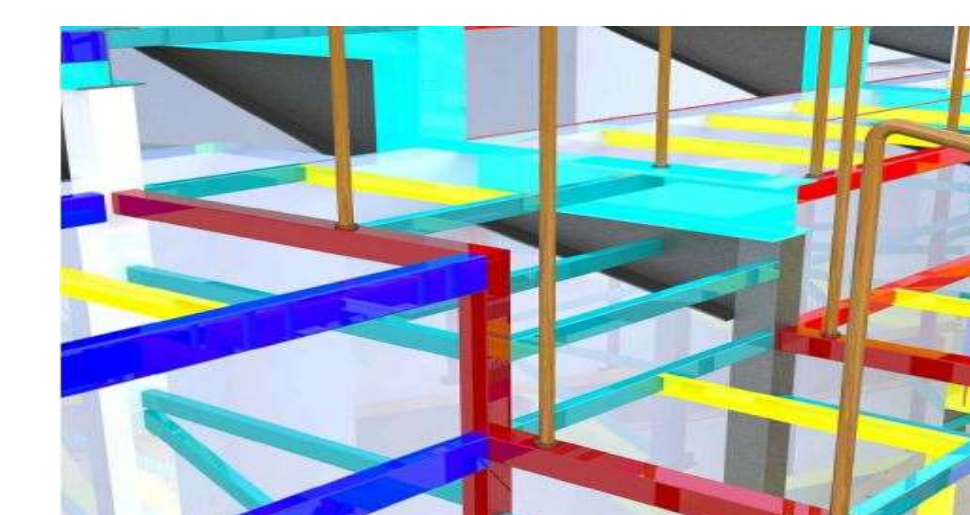
GRANDSTAND - B3- SÃO PAULO, BRASIL



Detail for superior fixation of the risers



Rewood fixation closing and glass railing fixing



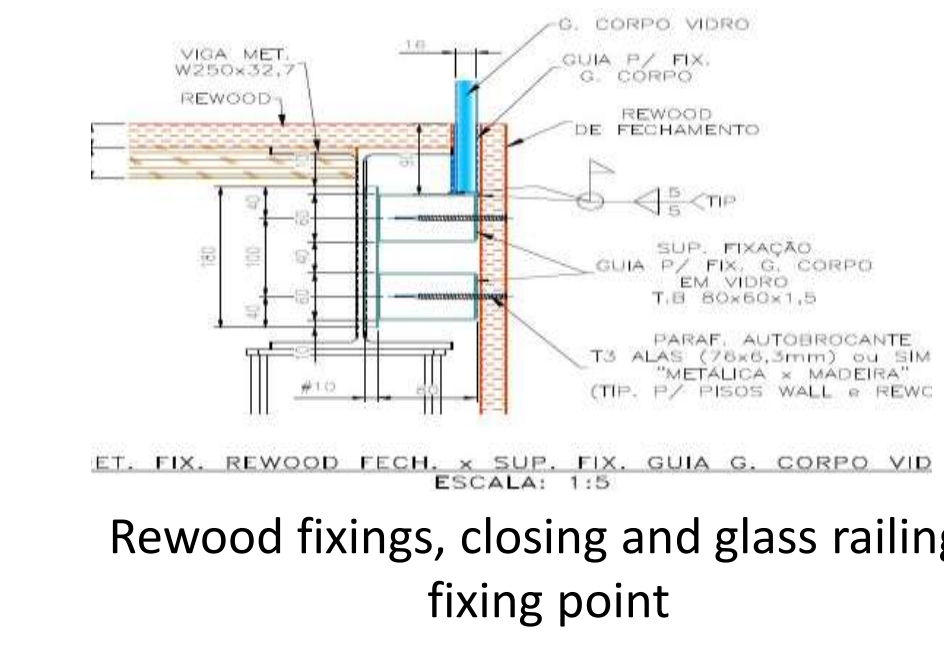
Detail of the handrails fixations and steps of the grandstand



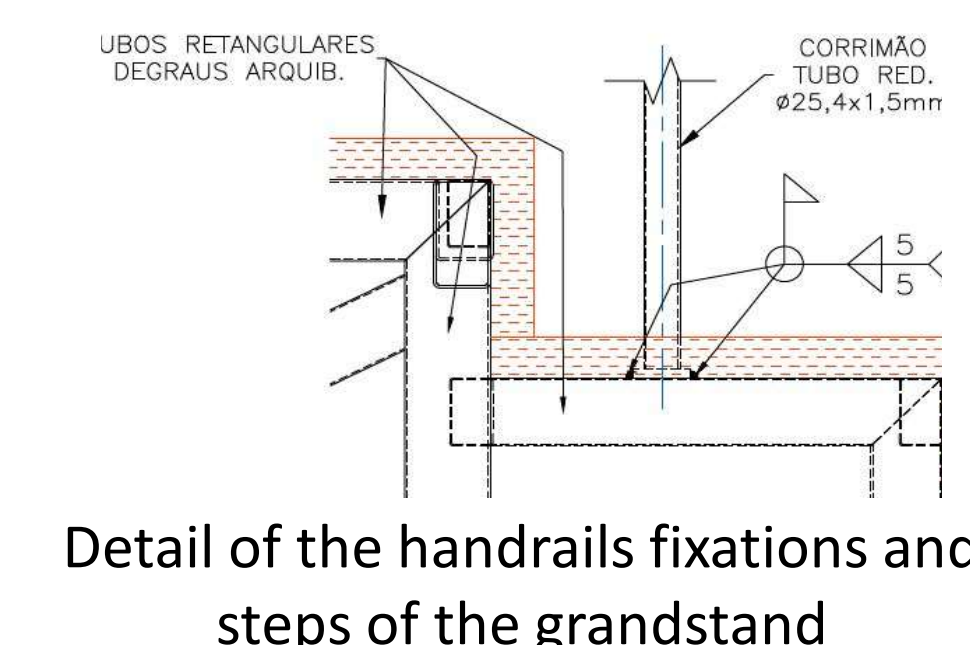
Glass railing fixation, side Rewood



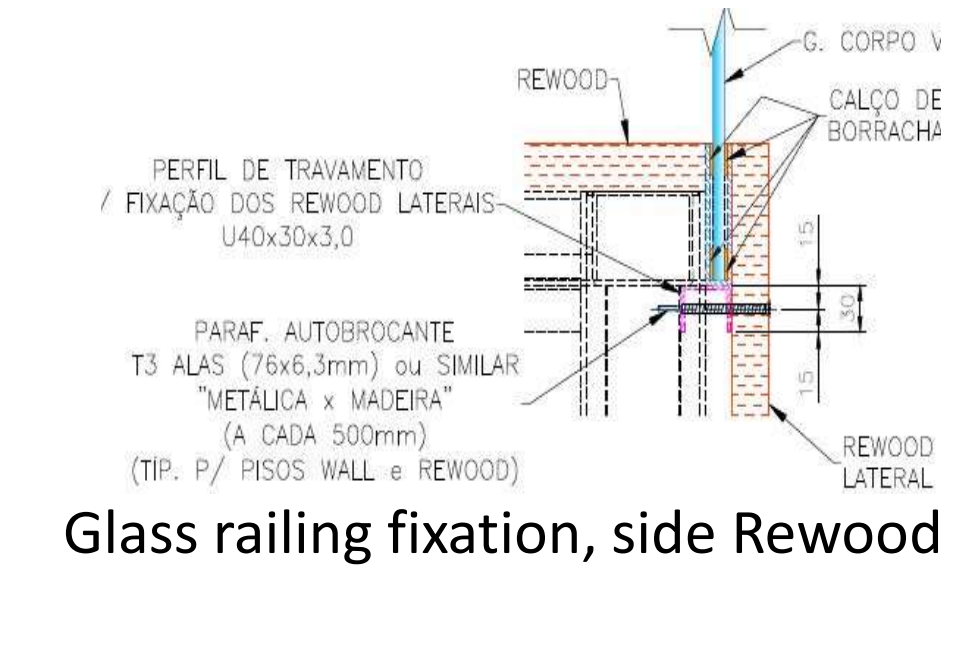
Detail for superior fixation of the risers



Rewood fixings, closing and glass railing's fixing point



Detail of the handrails fixations and steps of the grandstand



Glass railing fixation, side Rewood