

## Industrial Steel Building Project, USA

Executed on "TEKLA 21.1 Software"



### PGT Scope

3D Modelling in Tekla & Shop Drawing Preparation.

### Software Used

Tekla 21.1

### Tonnage

8700 tons



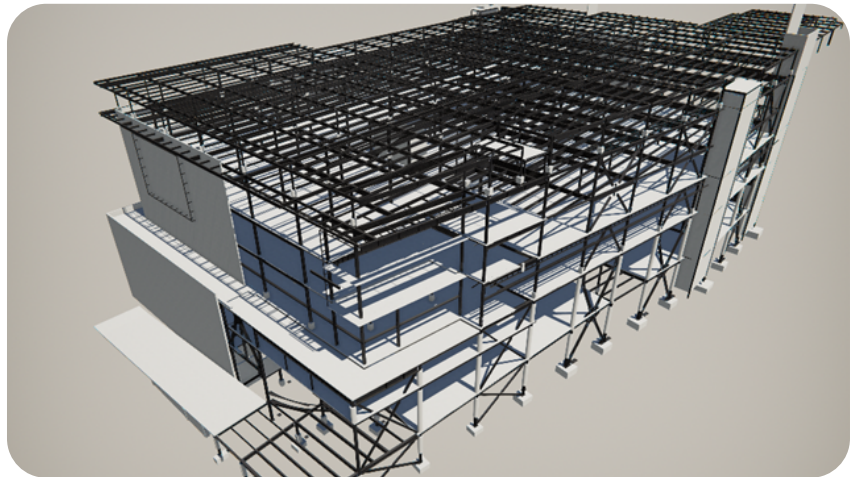
### About The Project

A five-story industrial building in New York City, USA. A 166-foot-tall structure will span 840,000 square feet and house logistics and warehouse space featuring truck courts, a distribution center, two stories of film and television studios, office space, and on-site vertical parking.



## Project Deliverables:

- 3D Tekla Model
- Erection Drawings
- Shop Drawings
- Single Part Drawings
- End-to-end Reports
- DSTV and NC files for CNC machines.



## Our Challenges & Solutions

- This building required coordination with other verticals, especially with Precast elements along its periphery. For coordination with Precast drawings, our checkers ensured to review Precast drawings accurately, to ensure everything fits in the right place. For any conflicts, we were able to suggest suitable solutions to the client.
- This building has an adjoining parking ramp on one side. This parking ramp was a challenge while detailing this job. Our modelers and checkers coordinated with EOR/CD to ensure we follow the correct geometry and connection design.
- The structural framing was extremely complex with heavy design forces, for which it was necessary to ensure that our modelers & checkers were following the appropriate connection design. This is where our team did a fantastic job with connection review after modelling was completed at each stage of the project.
- The structure consisted of Heavy Plate Girders & Trusses. Our team executed modelling/detailing for these heavy members with top-notch quality & accuracy.
- There were almost close to 500 RFIs raised on this project and the team did exceedingly well in tracking each of these RFIs to ensure 100% adherence.
- There were a considerable number of changes required on the structural drawings throughout this project, which our team could execute perfectly.

