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SOUTHERN AFRICAN INSTITUTE
OF STEEL CONSTRUCTION



Steel Awards 2023



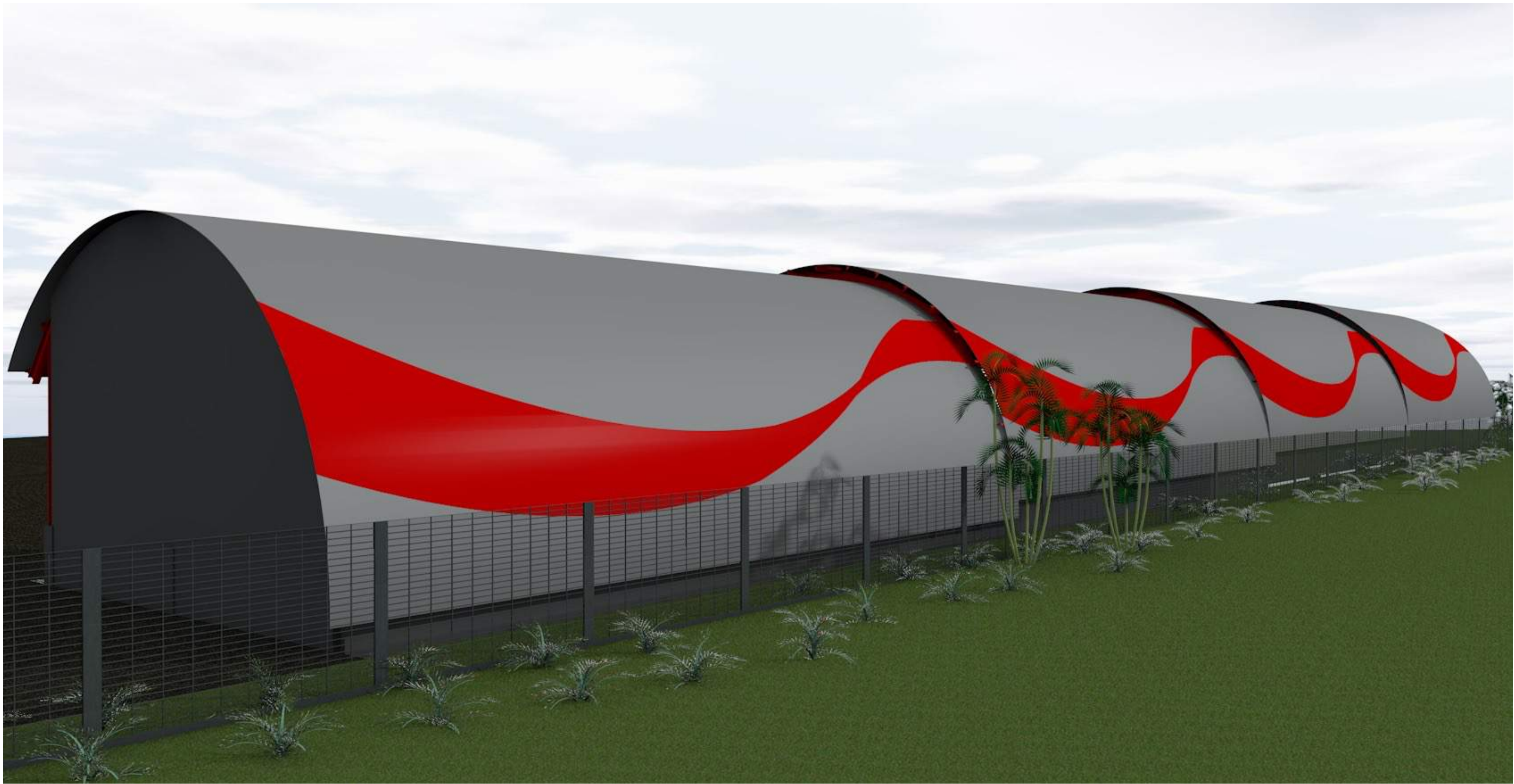
THE PROJECT BRIEF

CLIENT: CONCO ESWATINI

ARCHITECTS: BUILDING DESIGN GROUP

MAIN CONTRACTOR: STEFANUTTI STOCKS CONSTRUCTION







THE PROJECT OVERVIEW



PROJECT OVERVIEW

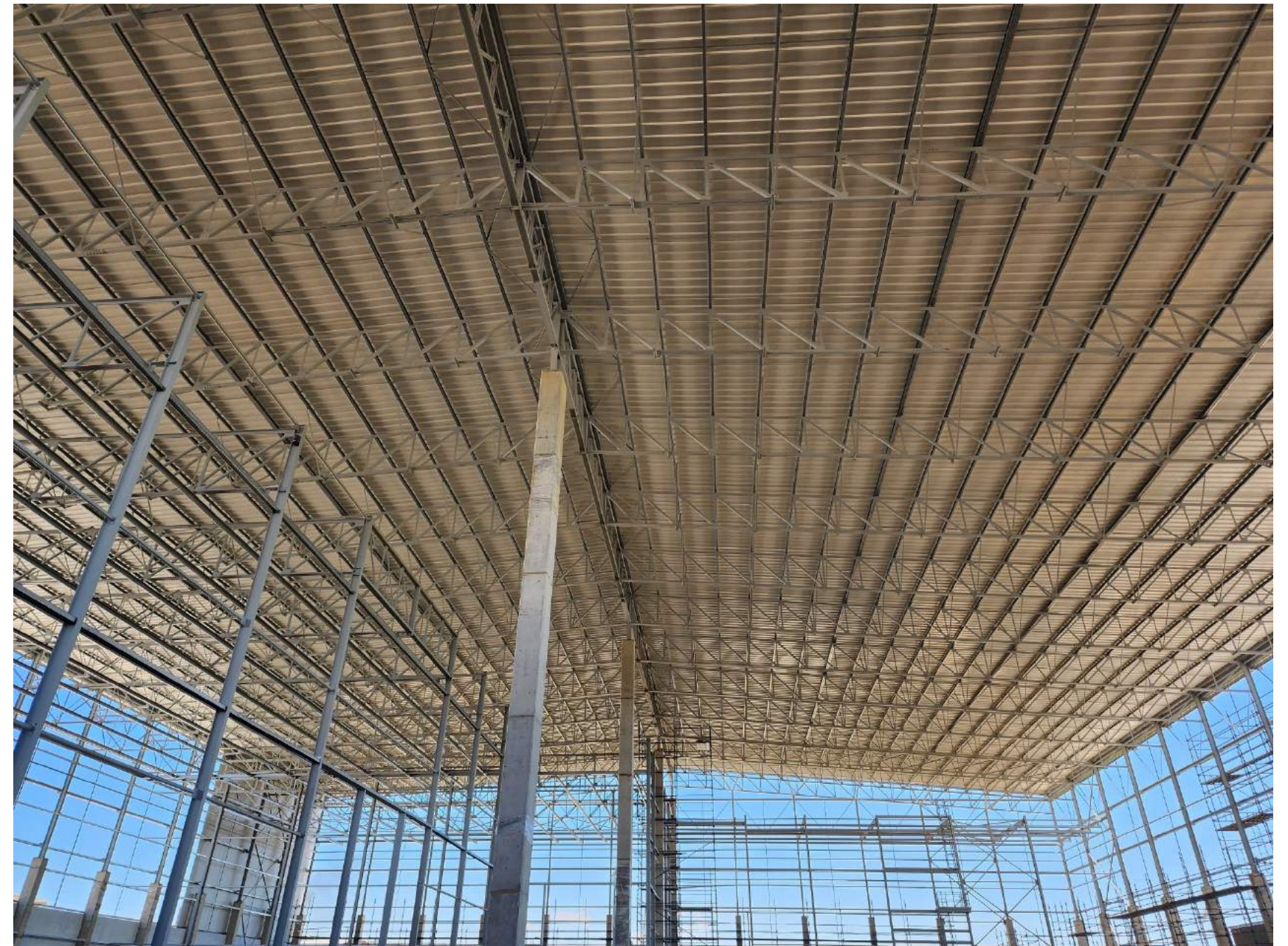
STRUCTURAL STEELWORK

Project Completed: March 2023

Steelwork Completed: January 2023

Tonnage: Tonnage: 293 Tons

Profiles used: Universal Beams, Universal Columns, Equal and Unequal Angle Iron, Lipped Channel (Pregalv Punched) , Channel Iron and Plates.



PROJECT OVERVIEW

STRUCTURAL STEELWORK

Structural Engineer: Zutari – Mr. Yusuf Onia

Steelwork Contractor: IFA Engineering

Steel Detailer: IFA Engineering

Steel Merchant/s: Macsteel South Africa



PROJECT OVERVIEW

METAL CLADDING AND ROOFING

Project Completed: March 2023

Cladding Completed: March 2023

Cladding Material Used: Kingspan

Cladding Profile: SEE TABLE:

Cladding Area Coverage: 9987m²

Cladding Tonnage: 100.4 Tons

***1) KS100ERO Roof Euro Panel 1000 mm, IPN, 80 mm, 6,695.8 m² 33.80 226,318.04 Material of skin: Steel / Membrane Exterior colour: RAL 9002, 4 Crown, Polyester, (ROOF)**

***2) KS103SSF Wall Microlambri 1030 mm, IPN, 50 mm, 1,882.5 m² 28.10 52,898.25 FM Approved Material of skin: Steel / Steel Exterior colour: RAL 9002, Micro Rib, PVDF Interior colour: RAL 9002, Box, Polyester Interior thick: 0.50 mm / Exterior thick: 0.50 mm White wall panels (SIDE CLADDING)**

***3) Saffintra 0,55mm thick SAFLOK 700 Colorplus® AZ150 and IBR 0.55mm AZ150**

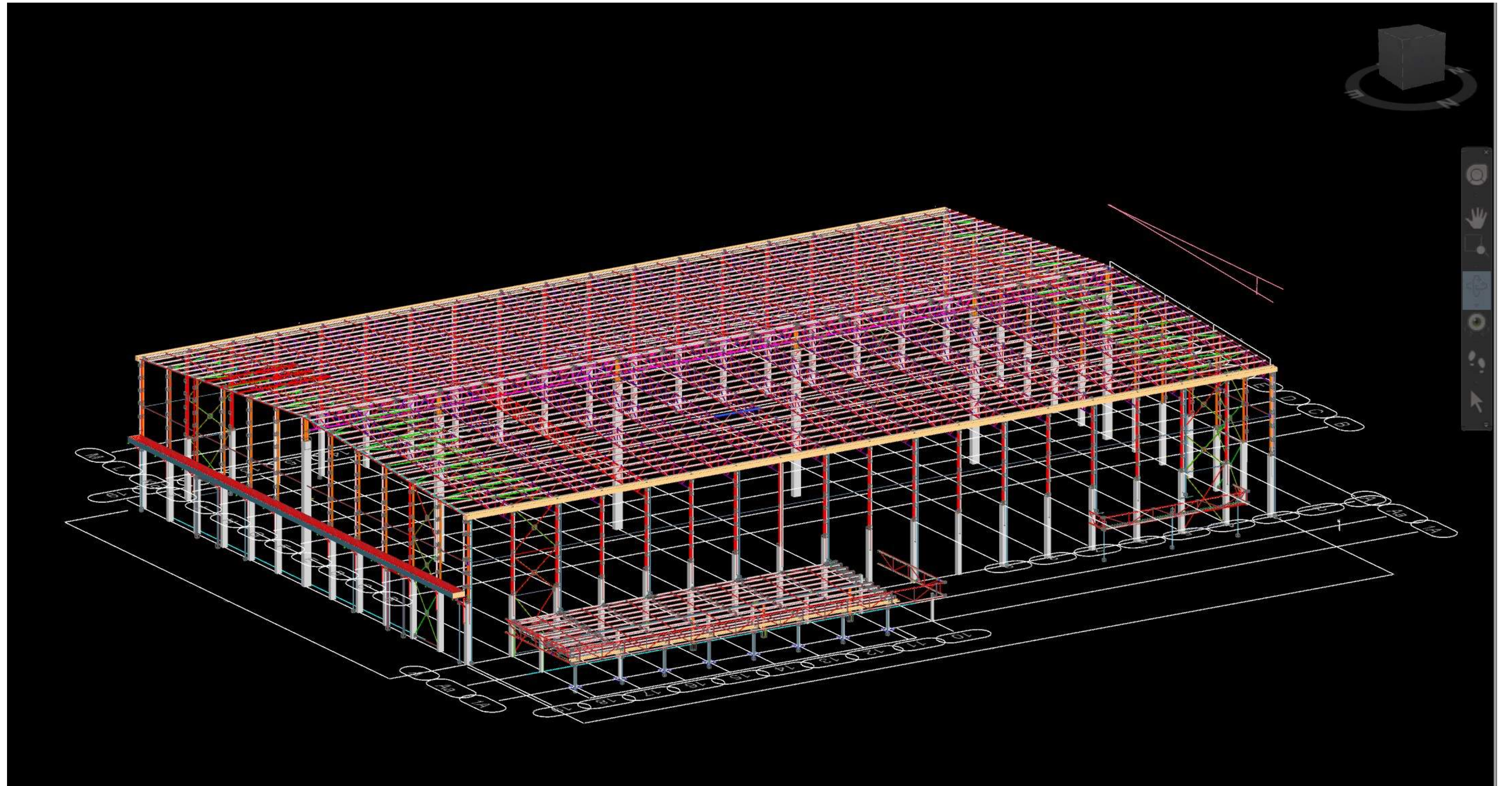


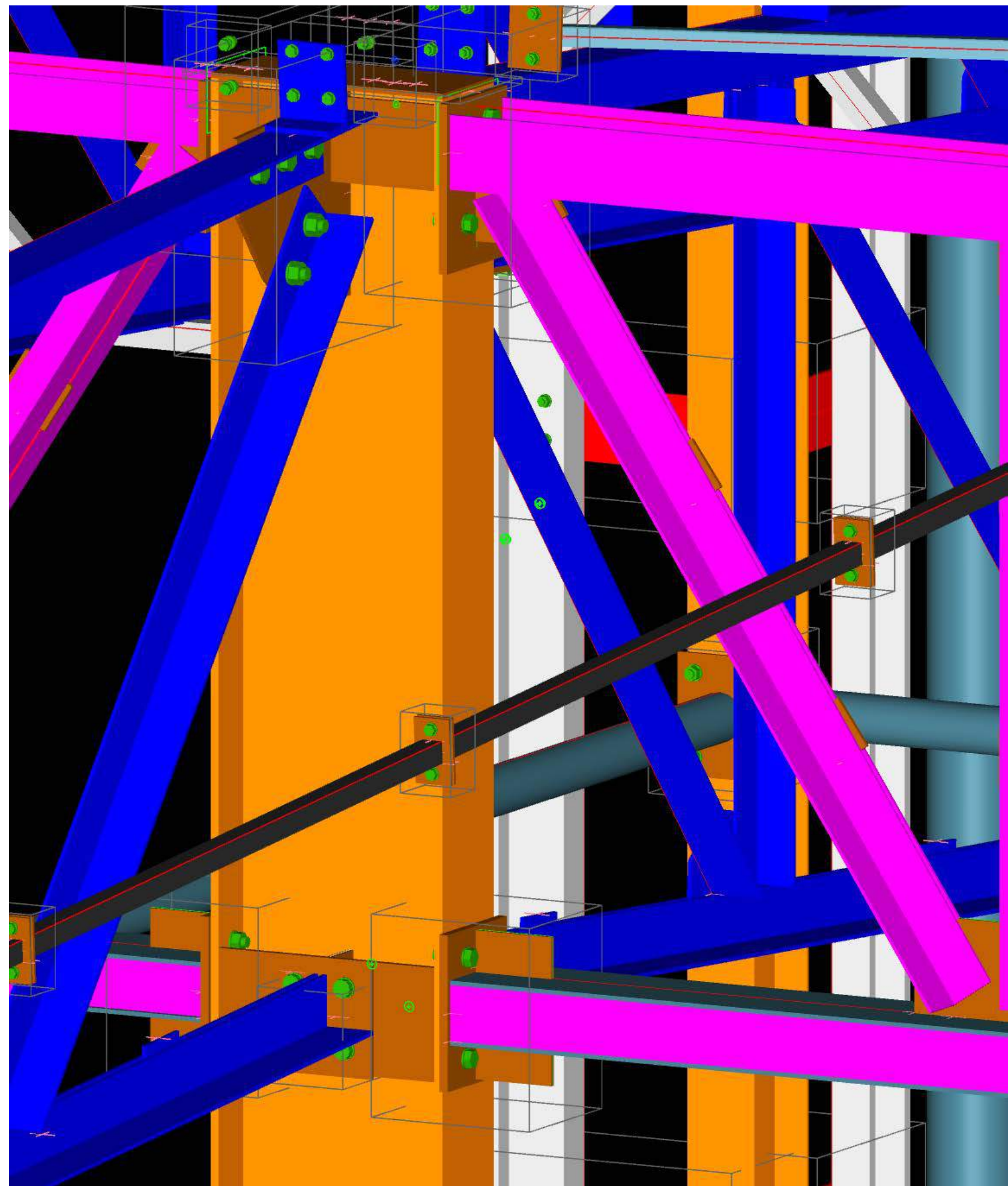
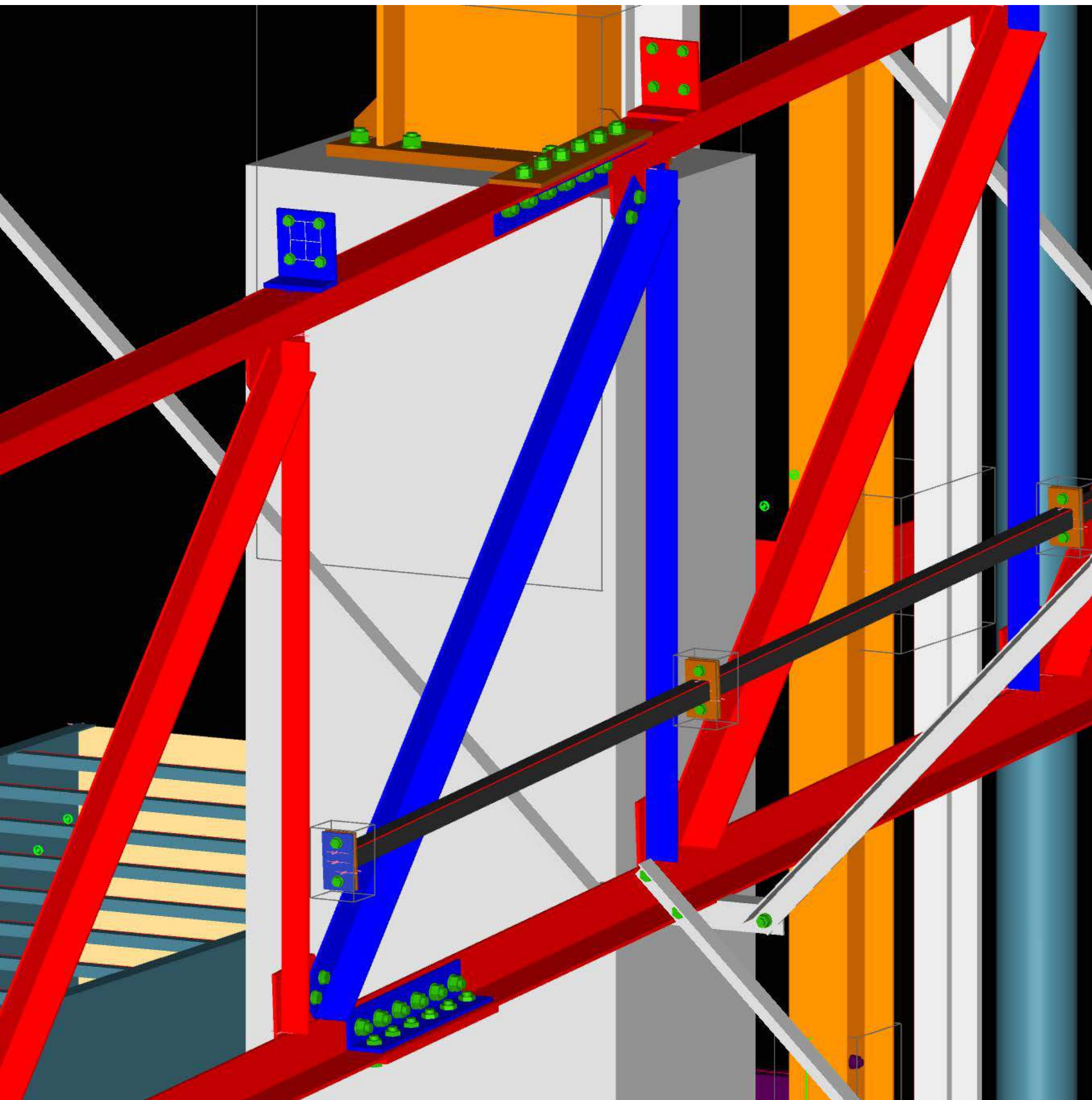
STRUCTURAL FRAMING

STRUCTURAL ENGINEER: Zutari - Mr. Yusuf Onia

STEELWORK CONTRACTOR: IFA Engineering

STEEL DETAILER: IFA Engineering





METAL CLADDING/ROOFING

CLADDING MANUFACTURER: Kingspan Insulated Panels Manufacturing LLC

CLADDING ROLL FORMER / PROFILER: Kingspan Insulated Panels Manufacturing LLC / Safintra Nelspruit

CLADDING / ROOFING SUPPLIER: Kingspan Insulated Panels Manufacturing LLC / Safintra Nelspruit

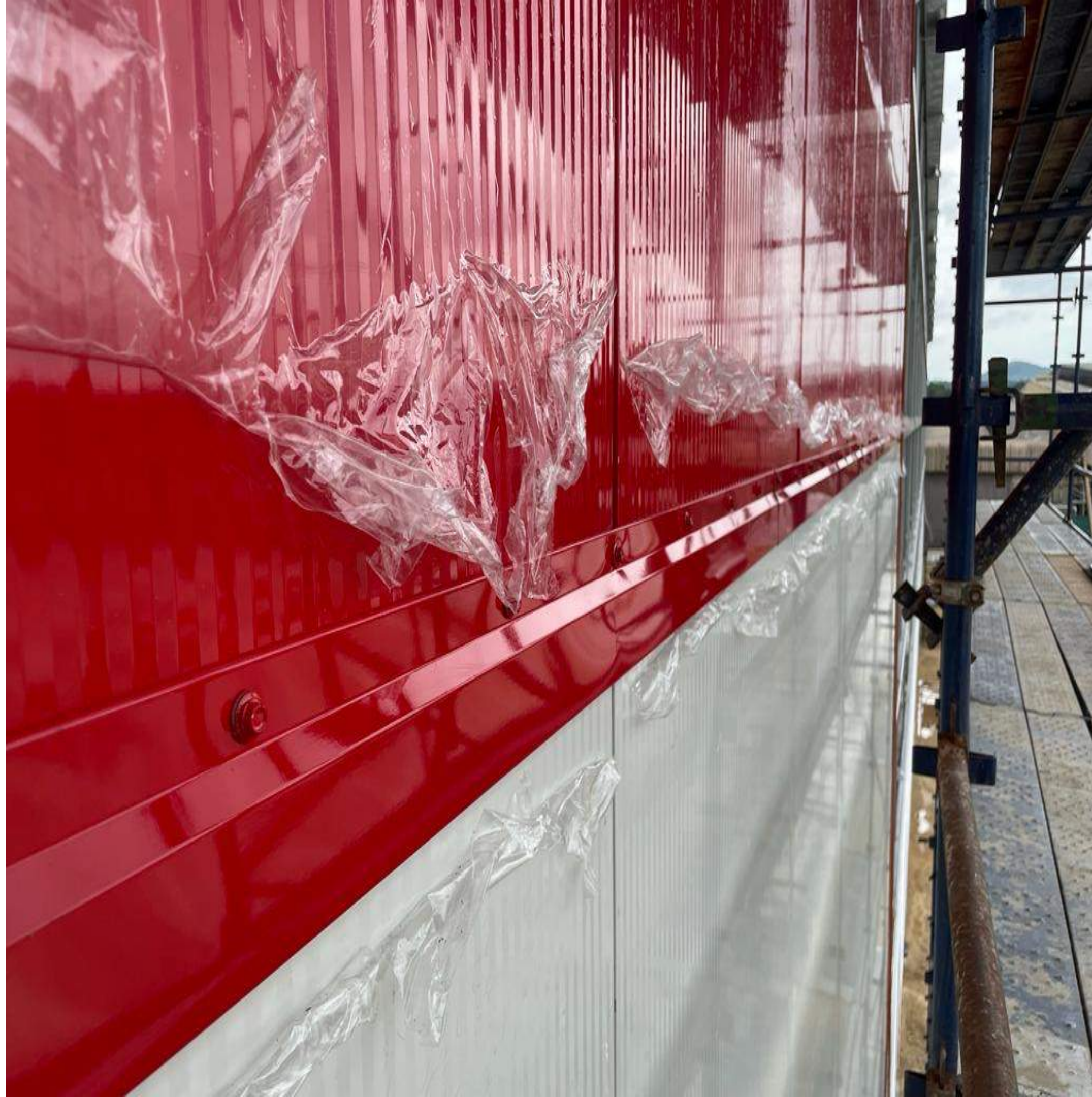
CLADDING / ROOFING CONTRACTOR: IFA Engineering



steel AWARDS
2022
recognising and rewarding excellence



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FABRICATION

STEELWORK CONTRACTOR: IFA Engineering





ERECTION / CONSTRUCTION / INSTALLATION

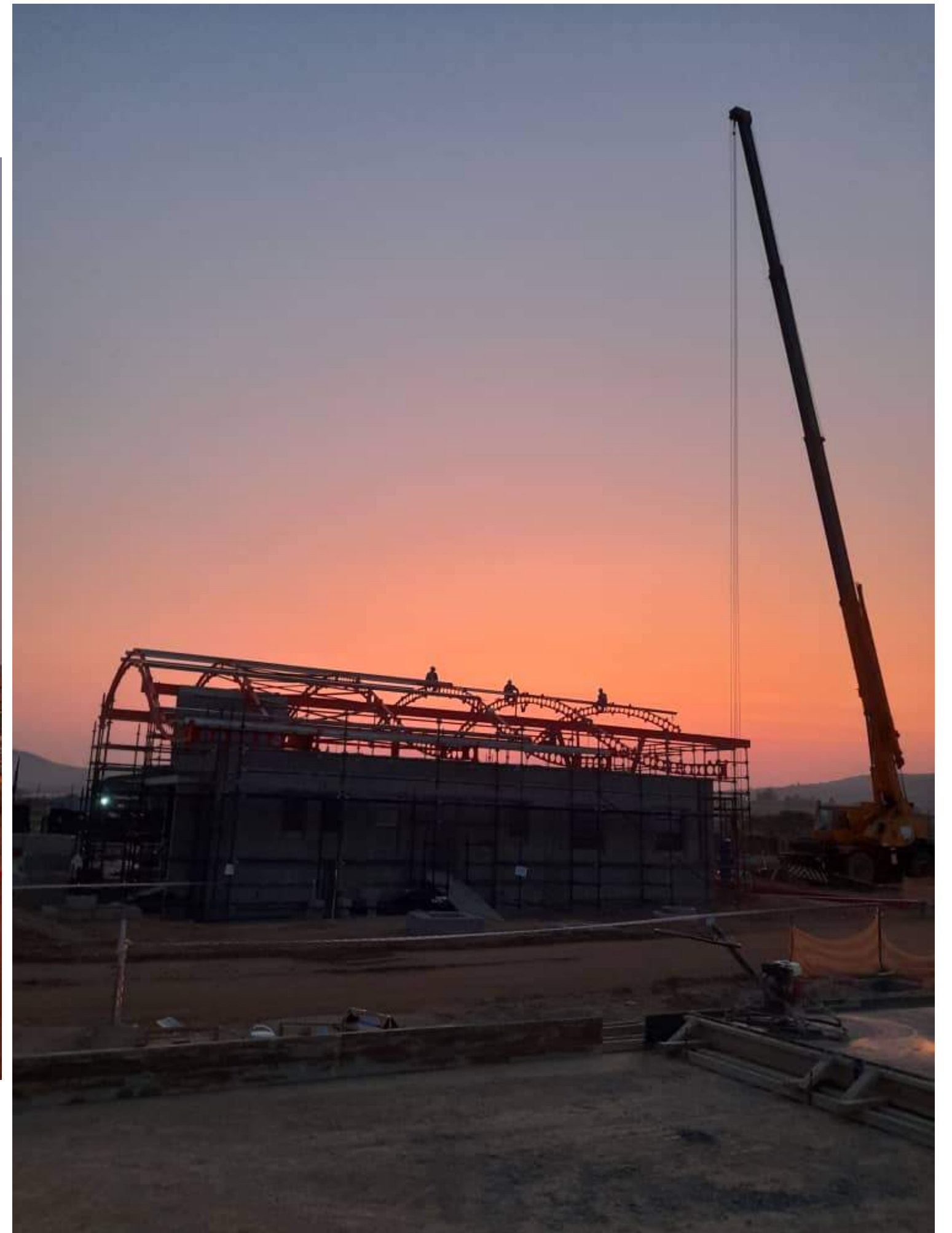
CONTRACTOR: IFA Engineering











WHAT WE'RE PROUD OF





SOUTHERN AFRICAN INSTITUTE
OF STEEL CONSTRUCTION

We are pleased with the project's successful completion, which was centred around Ubuntuism. It was a project in which every member of the team went above and beyond, producing a structure that raises the benchmark for the eSwatini construction industry and transforms the Matsapha Industrial site with a true marvel for the enjoyment of future generations.