Structural Steel for Sale as Scrap — Technical Summary

RS GROUP LLC · Reference RS-2026-004 · Jacksonville, FL

English summary of the certified structural drawings and calculation report (file 231027, approved by the Official College of Technical Architects of Castellón, Spain, approval no. 2023/2975, 31 Oct 2023). The original stamped drawings are attached separately.

1. Description

Multi-level steel frame built as a trade-show exhibition stand for use inside exhibition halls. The frame is made of columns, beams, purlins and roof trusses joined with **bolted connections**, so it can be taken apart piece by piece. Columns stand on 10 mm steel base plates. The frame includes a steel staircase. Maximum height: **7.30 m (24 ft)**.

2. Material

Item	Specification
Steel grade	S235 (EN 1993-1-1): yield strength 235 MPa, modulus of elasticity 210 GPa. Comparable to ASTM A36.
Steel type	Hot-rolled sections and cold-formed hollow sections
Connections	Bolted (M12 bolts) with steel plates and flat bars

3. Levels and areas

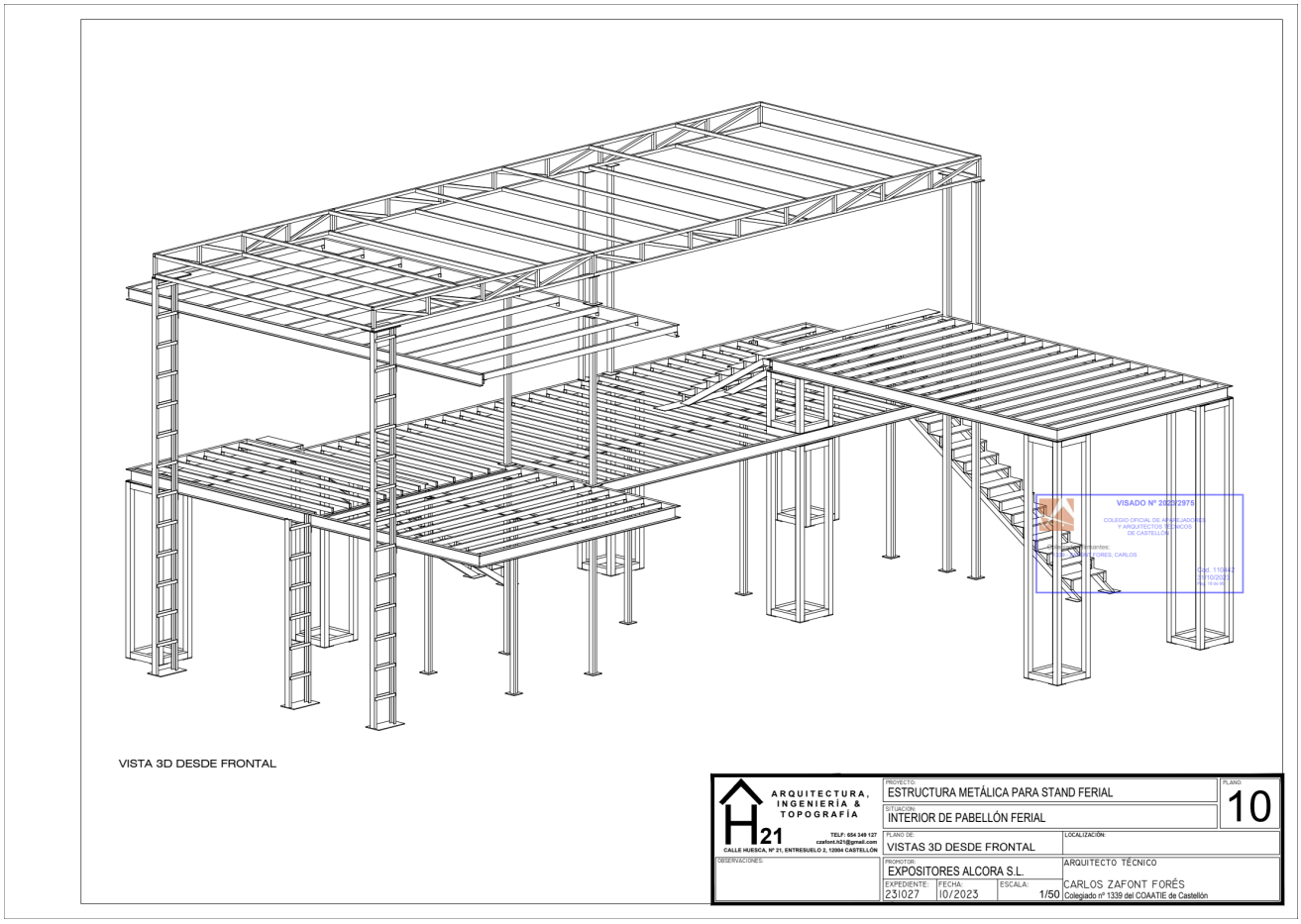
Level	Area	Height	Use
Level 0 (ground)	185.80 m² (2,000 sq ft)	+0.00 m	Ground floor
Level 1	81.40 m² (876 sq ft)	+3.19 m	Deck
Level 2	26.90 m² (290 sq ft)	+4.29 m	Deck
Level 3	37.30 m² (401 sq ft)	+6.19 m	Roof
Level 4	71.10 m² (765 sq ft)	+7.06 m	Roof
Total	402.50 m² (4,333 sq ft)		

4. Steel sections used

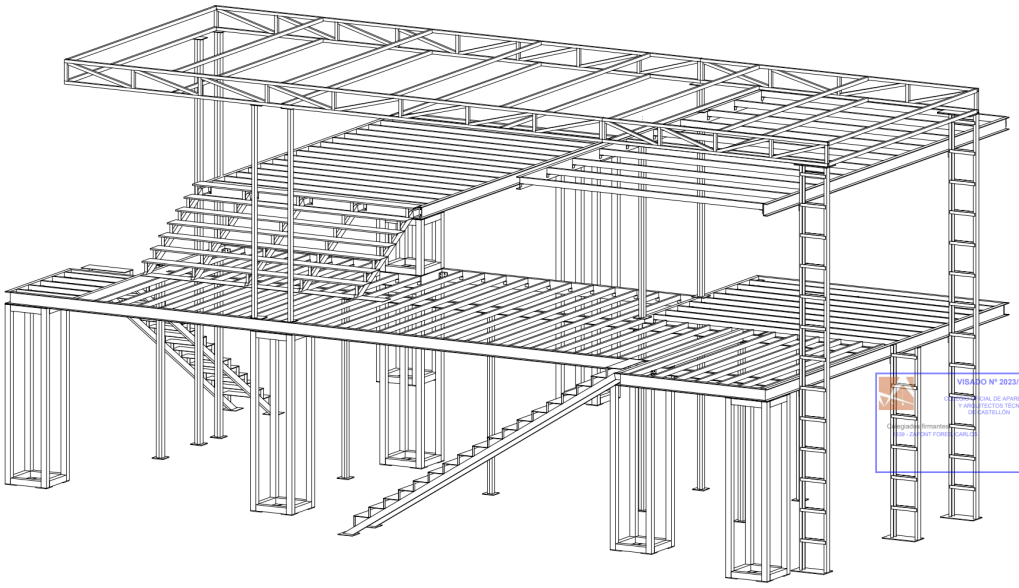
Element	Sections
Columns	Square tube 100x100x3 mm; rectangular tube 100x50x3 mm; double UPN 80 and double UPN 100 channels (closed, or battened with 460x50x10 mm flat bars every 500 mm)
Beams	UPN 200 channel; IPE 120 I-beam
Purlins / joists	Rectangular tube 80x40x3, 60x40x3, 100x50x3 and 100x50x4 mm; square tube 50x50x3 and 60x60x3 mm
Roof trusses	Trusses made of rectangular tubes
Plates	Base plates 200x200x10 mm and 600x300x10 mm; connection plates 200x200x10 and 140x140x10 mm

The drawings do not state the total steel weight. Bidders are asked to estimate it from the drawings or during a site visit.

5. 3D views (from the certified drawings)



3D view from the front



VISTA 3D TRASERA

VISADO Nº 2023/2975
COLEGIO OFICIAL DE APAREJADORES Y ARQUITECTOS TÉCNICOS DE CASTELLÓN
Cod. 110442
31/10/2023

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PROYECTO: ESTRUCTURA METÁLICA PARA STAND FERIAL
PLANO: 11
SITUACIÓN: INTERIOR DE PABELLÓN FERIAL
PLANO DE: VISTA 3D TRASERA
LOCALIZACIÓN:
OBSERVACIONES:
PROMOTOR: EXPOSITORES ALCORA S.L.
EXPEDIENTE: 231027
FECHA: 10/2023
ESCALA: 1/50
ARQUITECTO TÉCNICO
CARLOS ZAFONT FORÉS
Colegiado nº 1339 del COAATIE de Castellón

3D view from the back