

# FRAMEAI

Portal Frame â 24m ^ 36m Warehouse, HEA 280, S355 | 2026-06-17 | EXC 2 | EN 1090-2

## FABRICATION DRAWING SET

### MEMBER SCHEDULE

#### Mark

C01	
C02	4x ^ 26 â EN 1993-1-8
R01	2x ^ 26 â EN 1993-1-8
R02	4x ^ 26 â EN 1993-1-8
	2x ^ 26 â EN 1993-1-8

### EUROCODE DESIGN CHECKS

- EN 1993-1-1 §6.2 Cross-section: Class 1 plastic, section analysis  
EN 1993-1-1 §6.3 Member buckling: Curves a/b, stability verification  
EN 1993-1-8 §6.2 Connections: End-plate moment, extended  
EN 1991-1-4 Wind actions â zone B/C per location  
EN 1991-1-3 Snow actions â sk kN/m2 per Altitude / Region  
EN 1090-2 Execution class EXC 2

# Portal Frame 24m x 36m Warehouse, HEA 280, S355 Part 2 of 5

C01 | HEA280 | S2/5

## C01

HEA280

S355 | 7,000 mm | Qty: 1

### MEMBER DETAILS

Part Mark

Profile

Steel Grade

Length

Qty

Finish

Tolerance

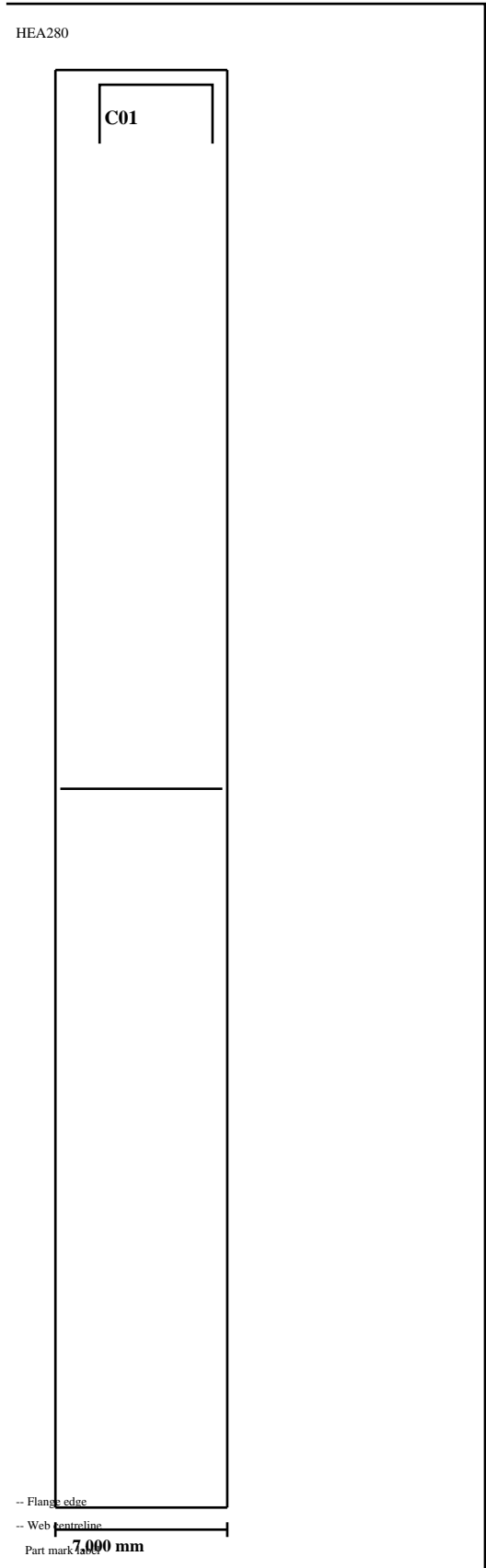
Marking

### BOLT HOLES

4 No. x 26 mm 10.9 preloaded EN 1993-1-8 §3.6

### DESIGN NOTES

EN 1993-1-1 §6.3 column buckling curve b



# Portal Frame à 24m ^ 36m Warehouse, HEA 280, S355 à Part 3 of 5

C02 | HEA280 | S3/5

## C02

HEA280

S355 | 7,000 mm | Qty: 1

### MEMBER DETAILS

Part Mark

Profile

Steel Grade

Length

Qty

Finish

Tolerance

Marking

### BOLT HOLES

2 No. x 26 mm à 10.9 preloaded EN 1993-1-8 §3.6

### DESIGN NOTES

EN 1993-1-1 §6.3 à column

HEA280

C02

-- Flange edge

-- Web centreline

Part mark 7,000 mm

# Portal Frame â 24m ^ 36m Warehouse, HEA 280, S355 â Part 4 of 5

R01 | IPE400 | S4/5

## R01

IPE400

S355 | 12,000 mm | Qty: 1

### MEMBER DETAILS

Part Mark

Profile

Steel Grade

Length

Qty

Finish

Tolerance

Marking

### BOLT HOLES

4 No. x ^ 26 mm â 10.9 preloaded EN 1993-1-8 §3.6

### DESIGN NOTES

EN 1993-1-1 §6.2 â rafter bending

IPE400

R01

-- Flange edge

-- Web centreline

Part mark label

12,000 mm

