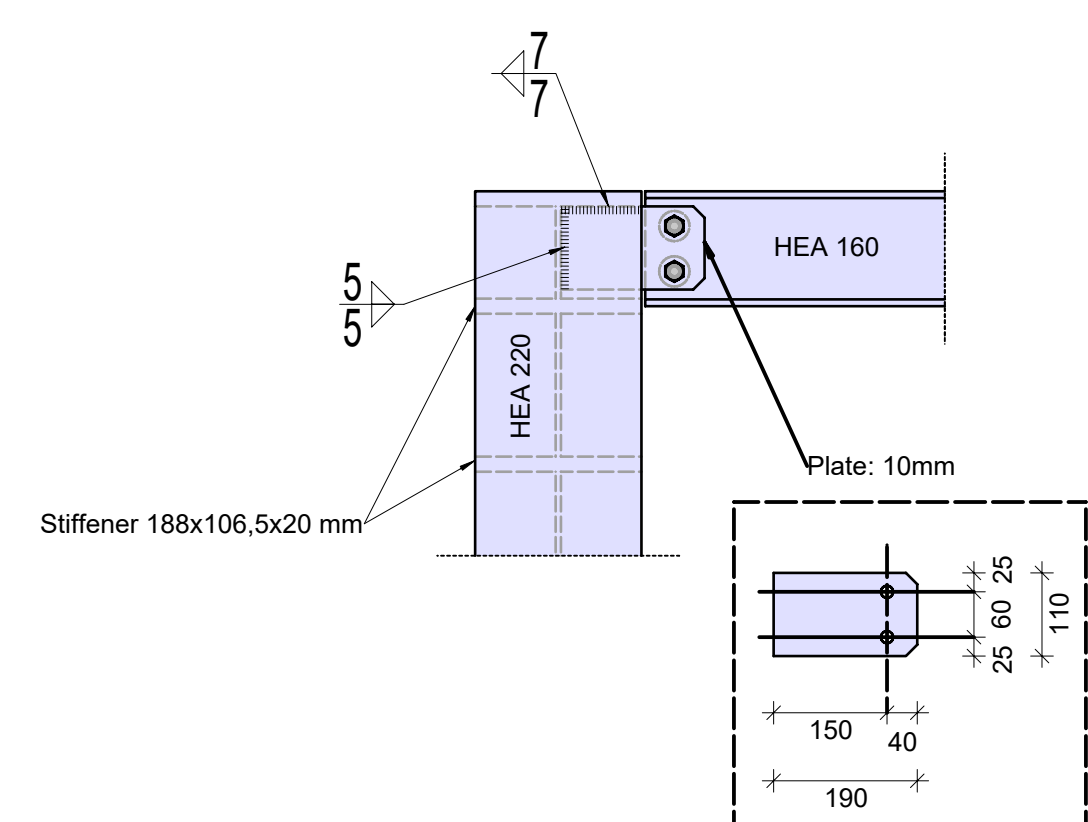


## Material: S235

Bolts: M16 10.9



End plate 188x210x 20 mm

Stiffener 188x106, 5x20 mm

HEA 220

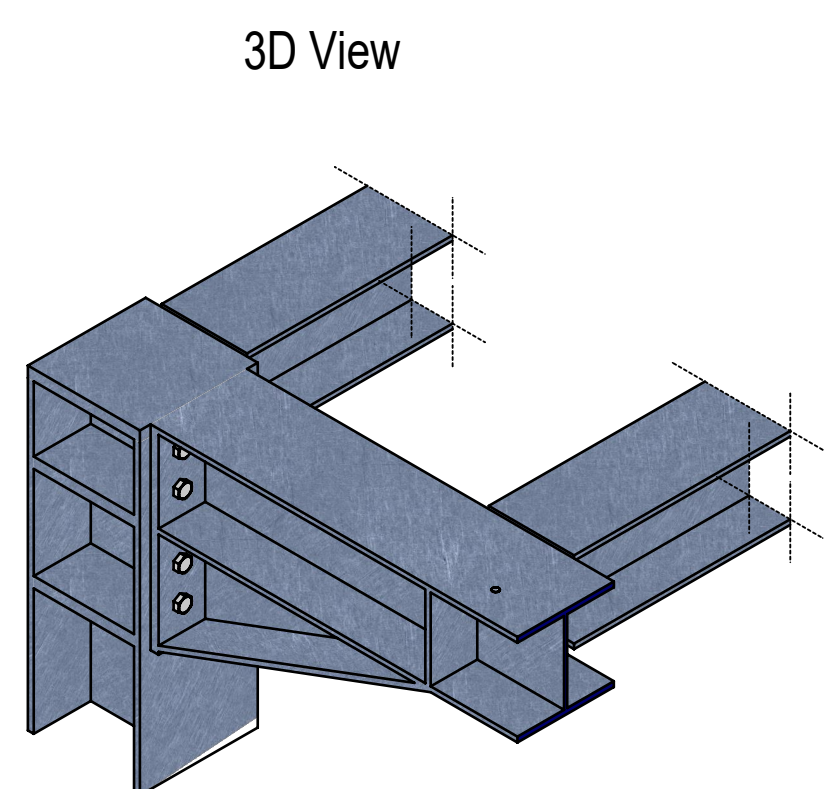
$t = 6 \text{ mm}$

Stiffener 188x106, 5x20 mm

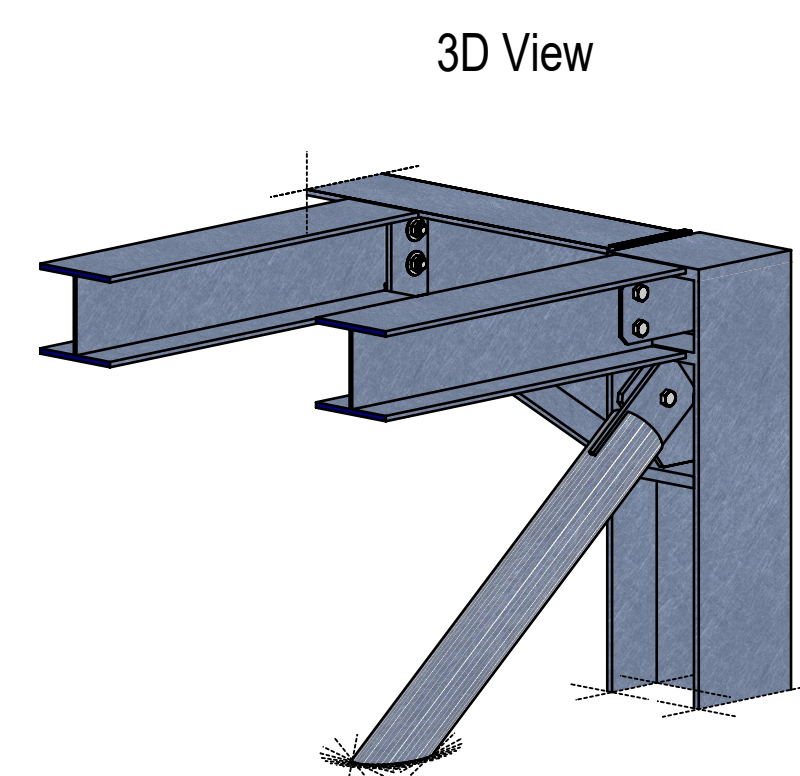
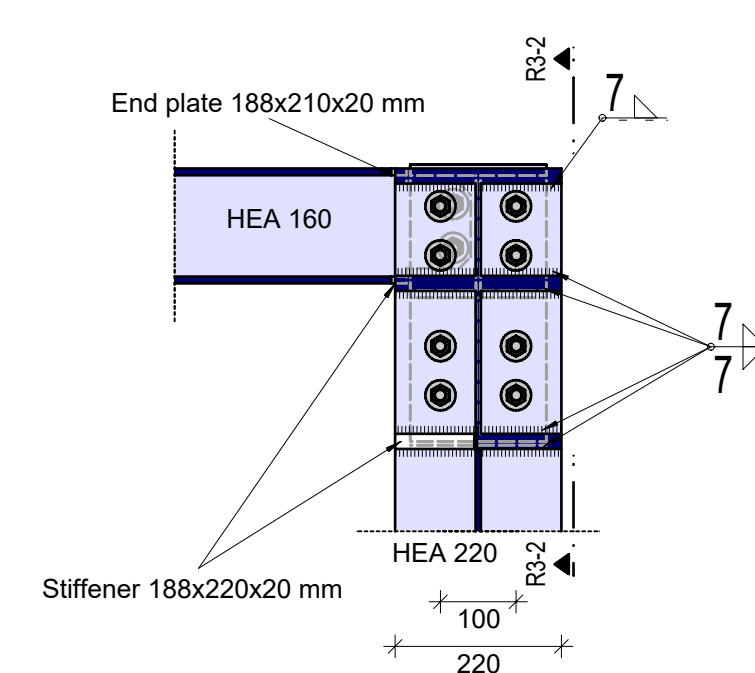
Plate 180x541x10mm

Stiffener 152x87x10 mm

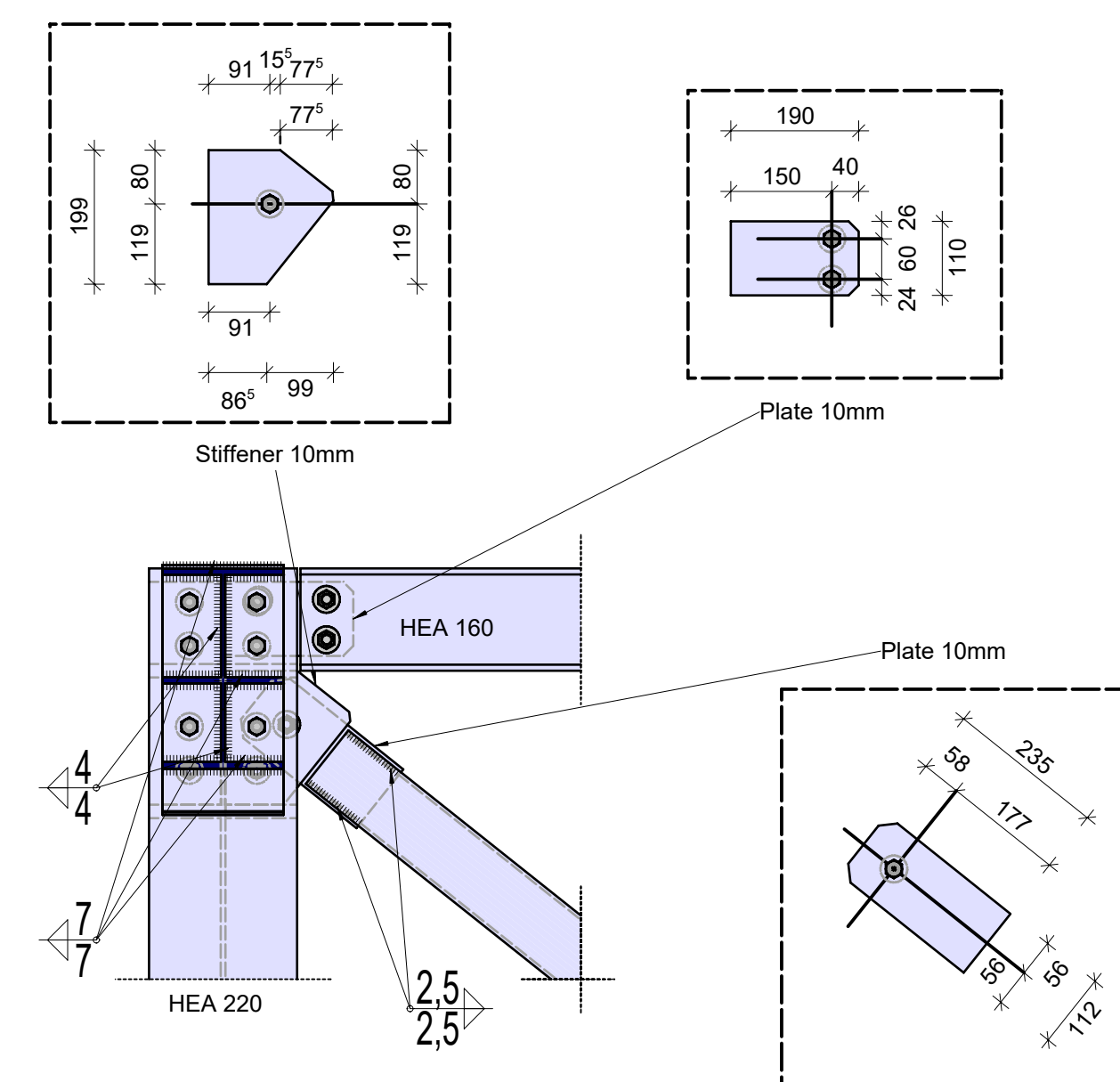
Dimensions: 210, 15, 510, 171, 190, 5, 371, 4, 5, 5



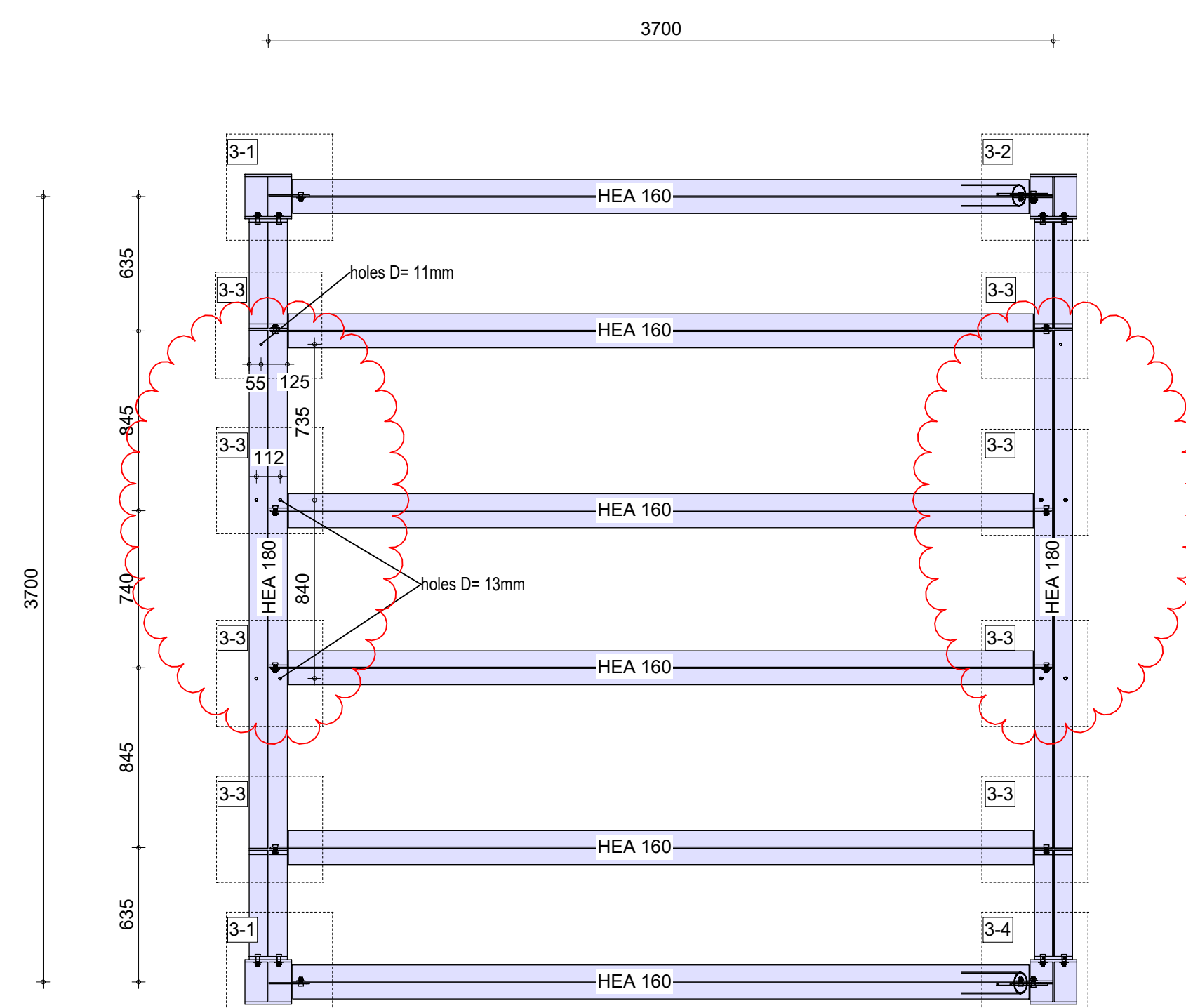
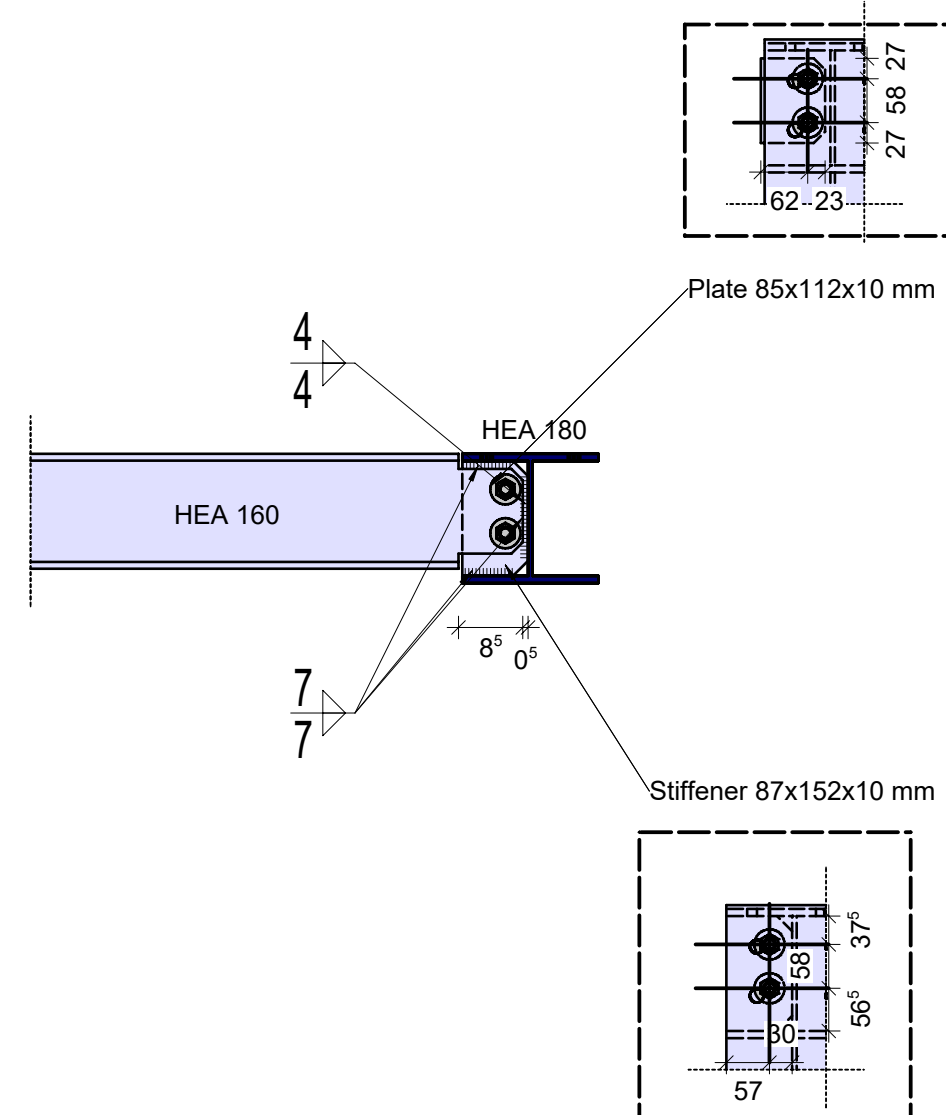
Bolts: M16 10.9



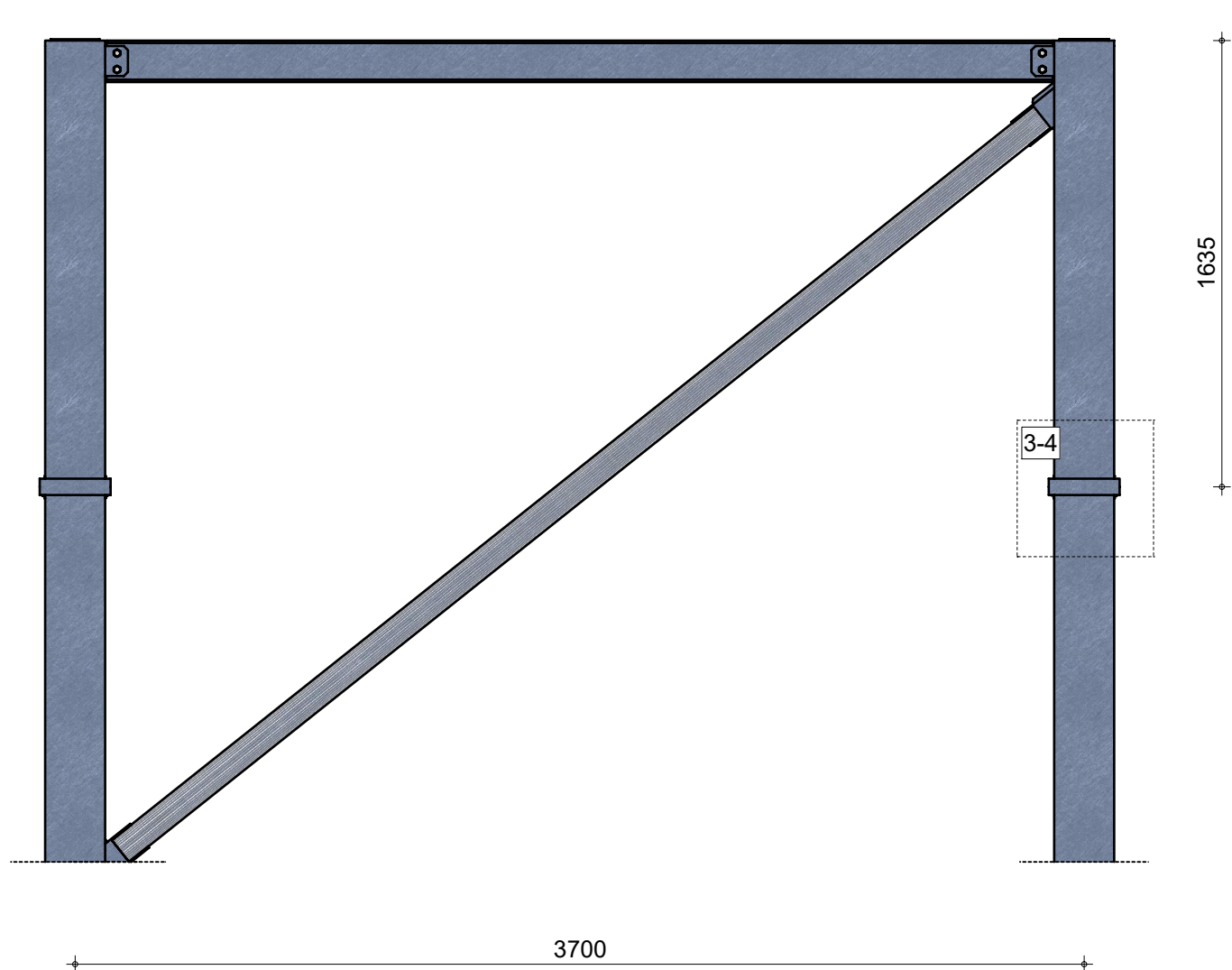
Technical drawing of a structural connection between a column and a beam. The column is HEA 200, and the beam is HEA 180. The connection uses a top end plate (188x210x20 mm) and a bottom plate (180x10x541 mm). Stiffeners (188x106,5x20 mm) are used on the column flanges. The drawing shows dimensions for the components and the connection geometry, including a 6 mm gap ( $t = 6 \text{ mm}$ ) and various offsets (5, 4, 15, 210, 510, 171, 190).



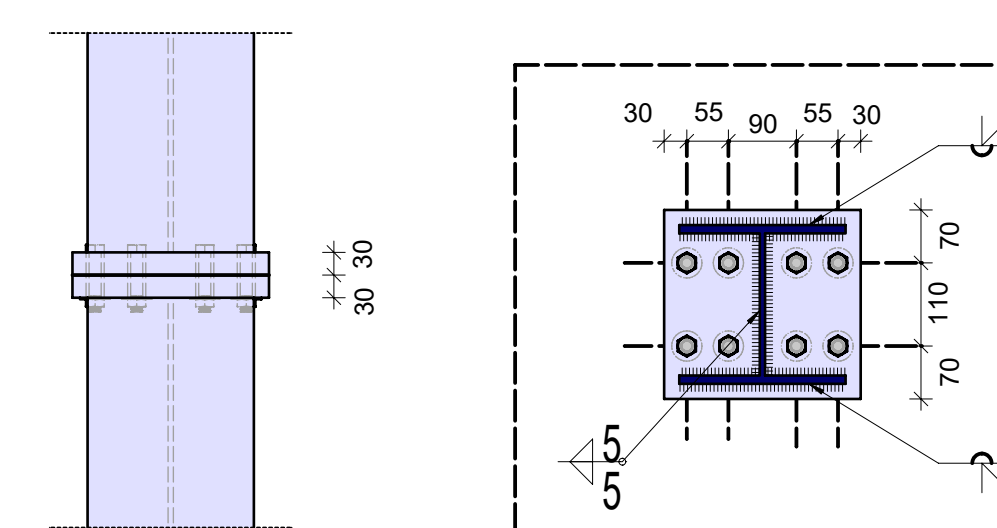
Bolts: M16 10.9



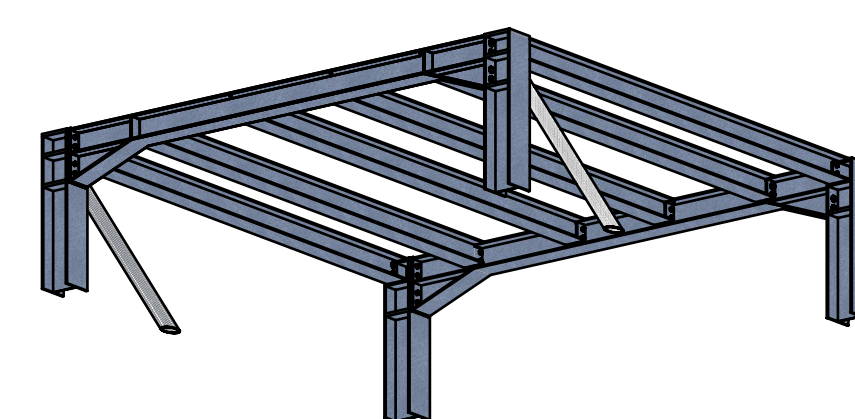
\_\_\_\_\_



Bolts: M20 10.9



Technical drawing of a vertical assembly. It consists of a main vertical body with a base plate and a top flange. The base plate is secured with four screws. The top flange is a horizontal plate at the top of the vertical body.

[illegible]

Konstruktionsplan		Plan Nr.	
Steel Construction Level 3		P103	A
Bauvorhaben	erstellt am <b>23.10.2019</b>	Maßstab:	
<b>Steel Construction - SPIF</b> Via Adolfo Ferrata 1, Pavia, Italy		Projekt Nr. <b>SPIF-2019</b>	
Bauherr(en):			
<b>Steel construction - SPIF</b> Via Adolfo Ferrata 1, Pavia, Italy			