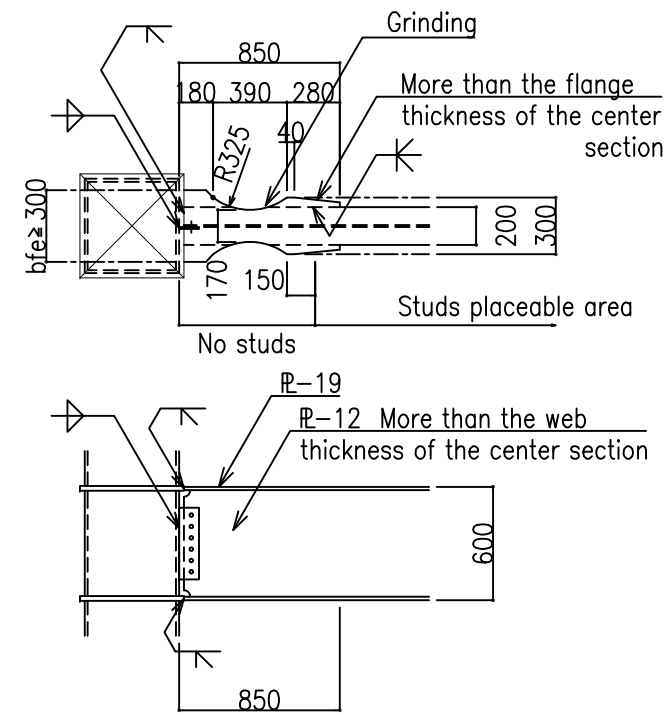
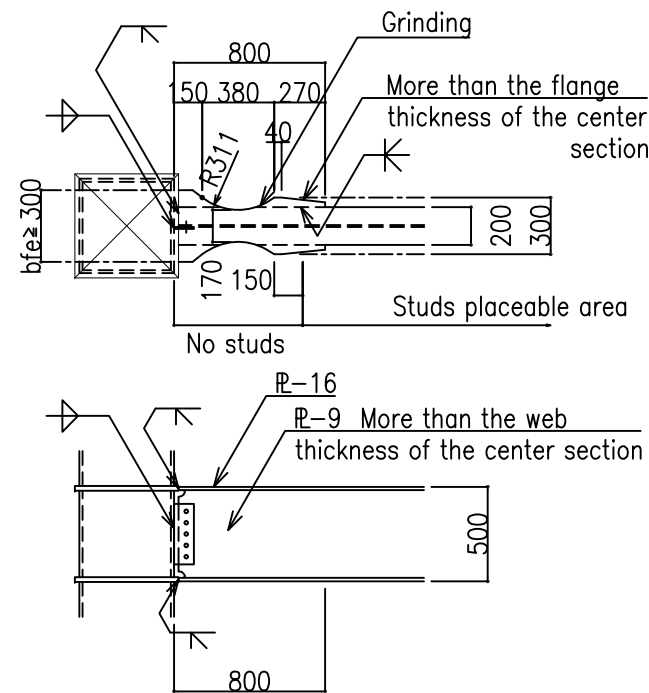


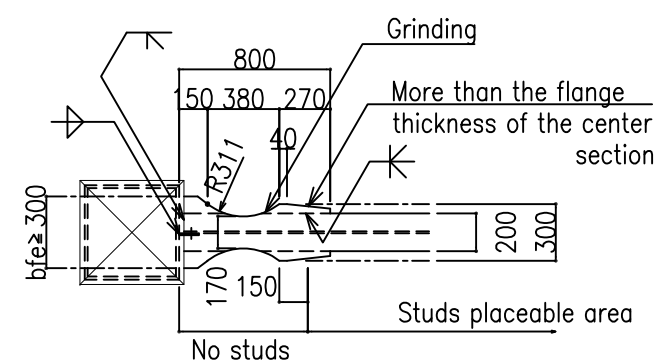
H-type



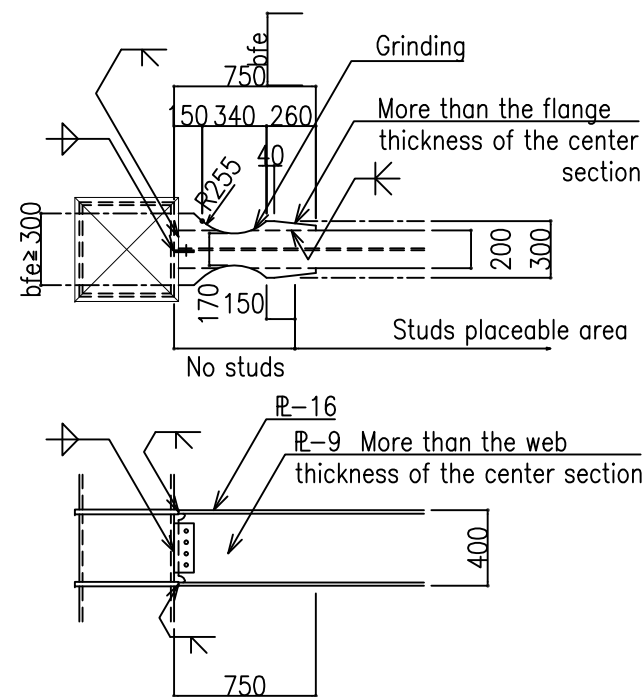
BH-600x200x12x19



BH-450x200x9x16

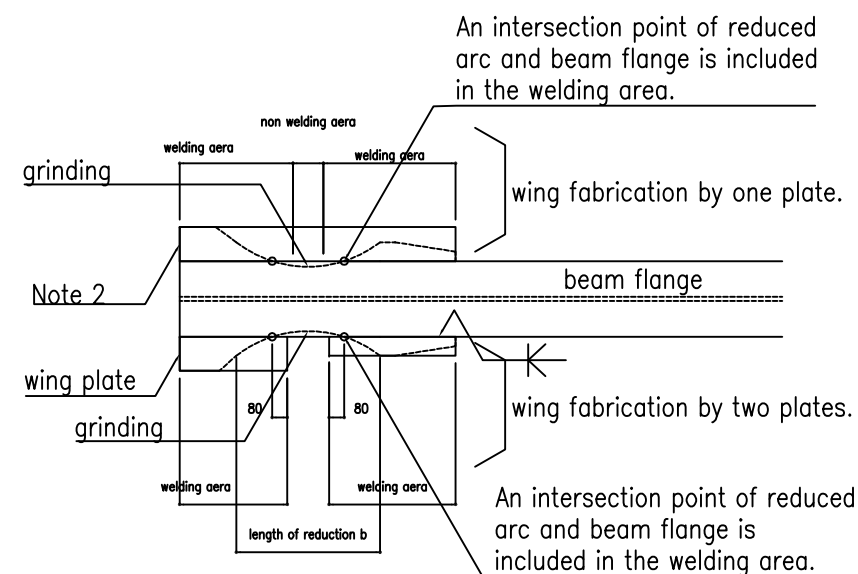
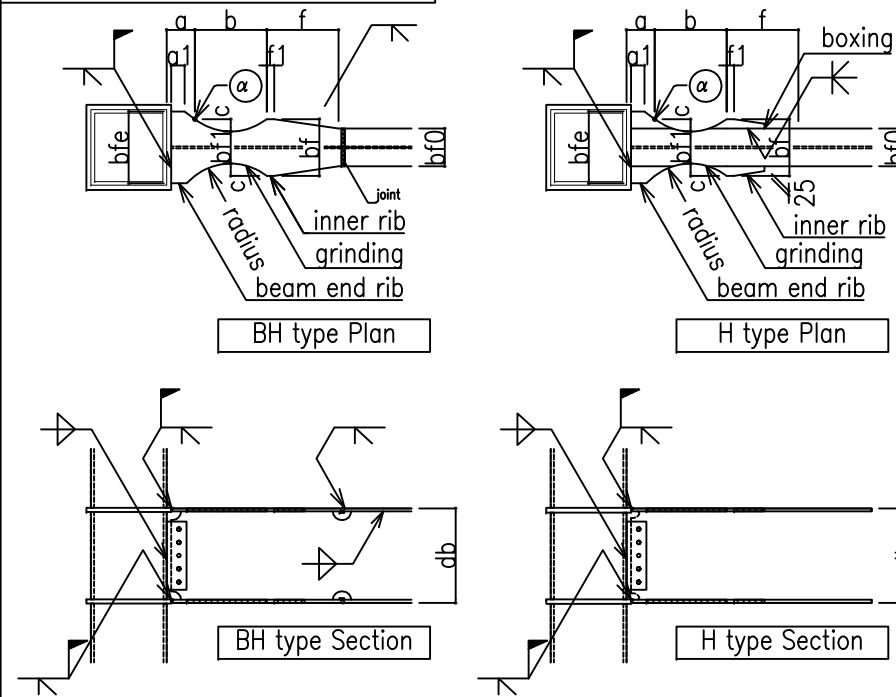


BH-500x200x12x16



BH-400x200x9x16

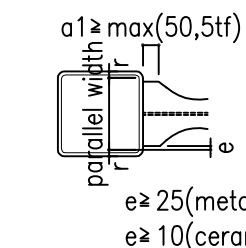
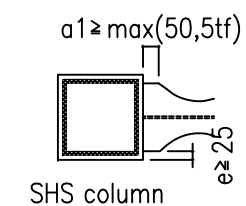
Construction standards



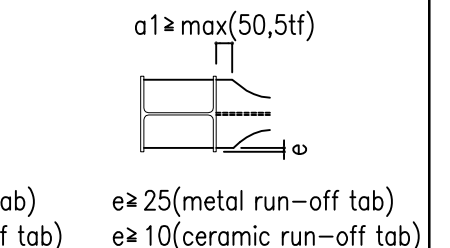
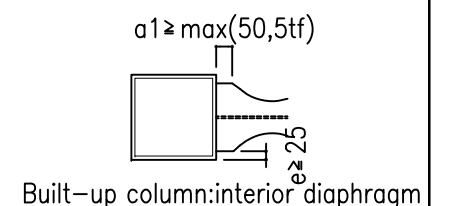
Flange reduction fabrication

Note 1) fabricate either one or two plates method.
 Note 2) When using a backing bar, align the lower flange surface and the lower one for the horizontal rib at the beam end. The surrounding reinforcement should have a smooth finish to eliminate gaps. $t_f + 3 \geq t_{rib} \geq t_f$
 Note 3) If flange thickness is less than 16mm, consider weld performance

Parameters & Details	Limitations
Beam symmetry	Wing and reduction shape should be symmetric.
Width-thickness ratio of beam	FA rank. Evaluate it using the center flange width bf_0 even with the reduced section.
Lateral stiffening of the beam	"Lateral stiffening ensuring horizontal load carrying capacity". Evaluate using A_{f1} and i_y at the reduction length. Gusset plates of stiffening member should not be welded, within the range $a+b$ from the beam end.
Minimum span-to-depth ratio	$[\text{span} / \text{depth}] \geq 5$
Centre flange width	Centre flange width: $bf_0 \leq 300$
Flange thickness t_f	40mm maximum
Eccentric connection to column	Flange width at face bfe is within the column width.
Floor rigidity	Concrete slab or a metal deck and concrete slab or horizontal bracing should be used.
Welded studs of composite slab	Welded studs should not be placed in the area of the beam flange between the column face and 6 inches beyond the extreme end of the ERBS ($a+b+15\text{cm}$).
Supplementary information about the shape	<ul style="list-style-type: none"> Point α provides length a and b. When flange width of the face is increased by more than bf, extend it nearly in the tangential direction from the point α. Flange width at face bfe is more than bf.

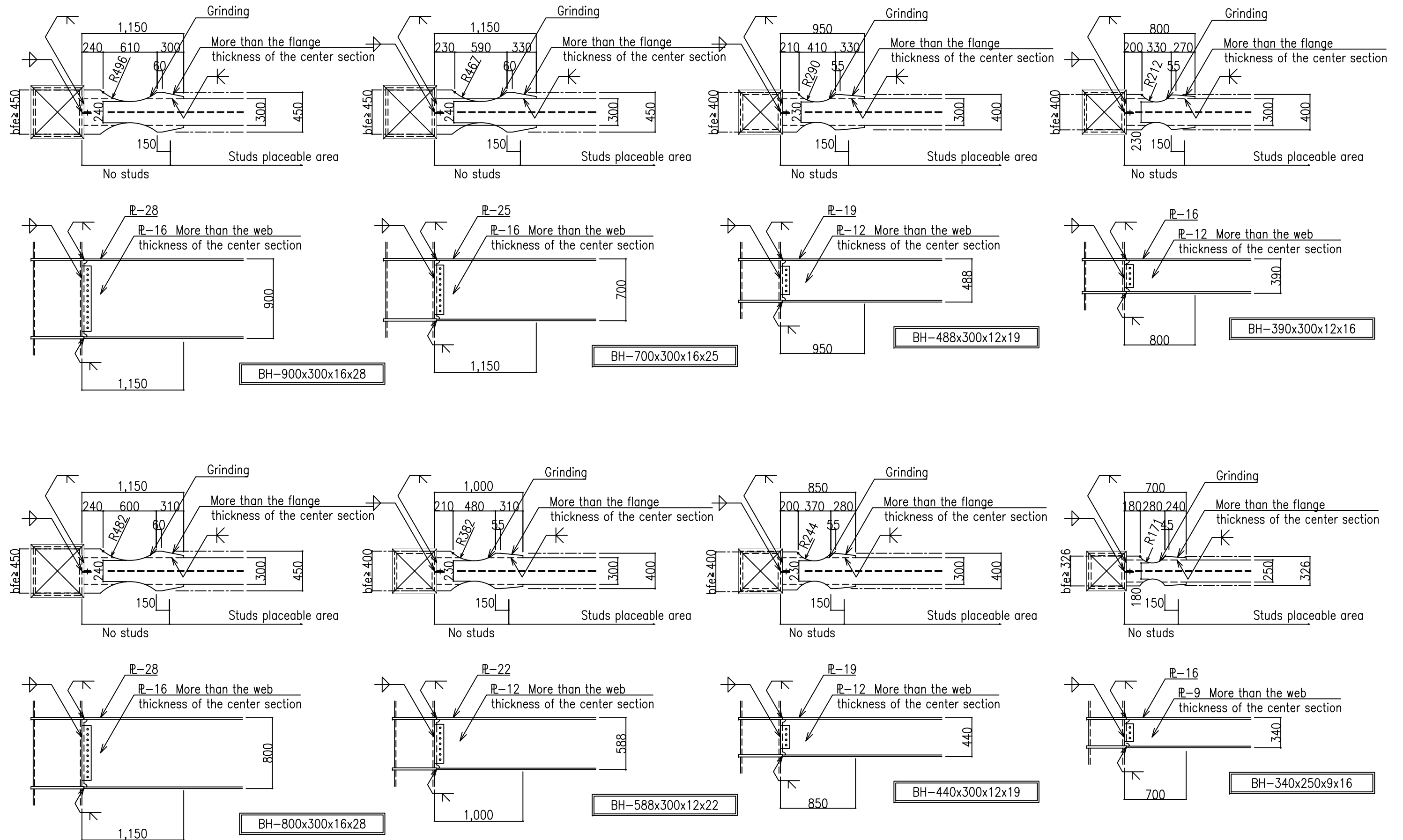


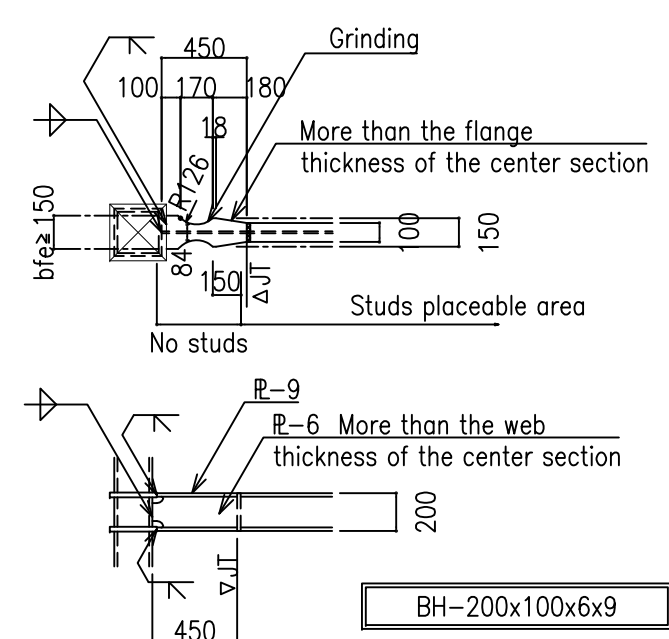
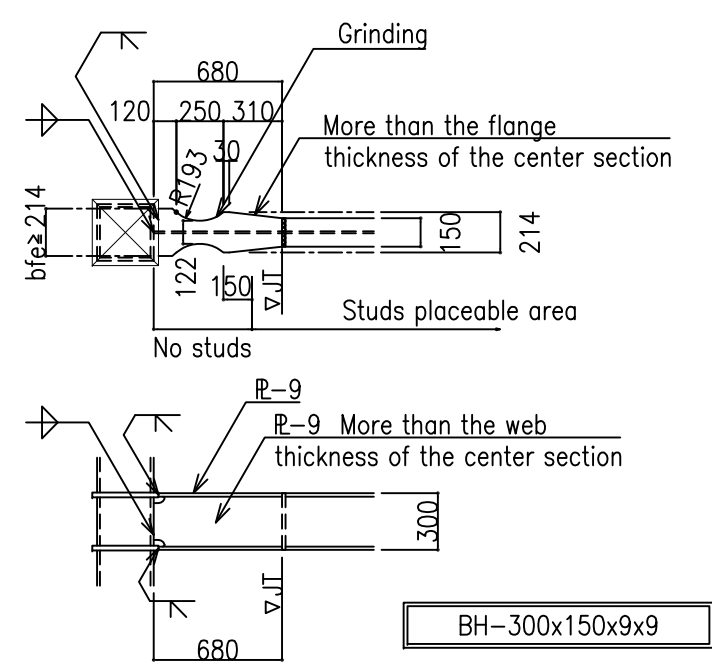
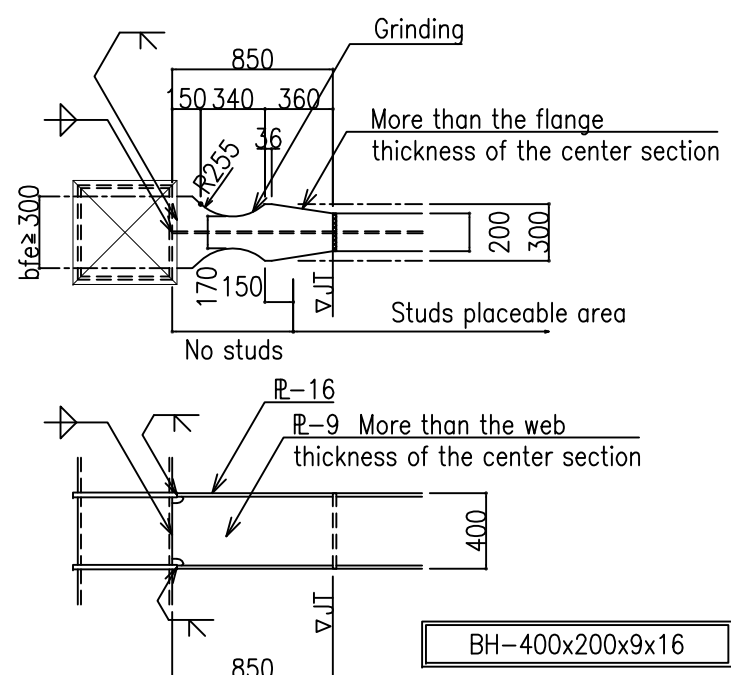
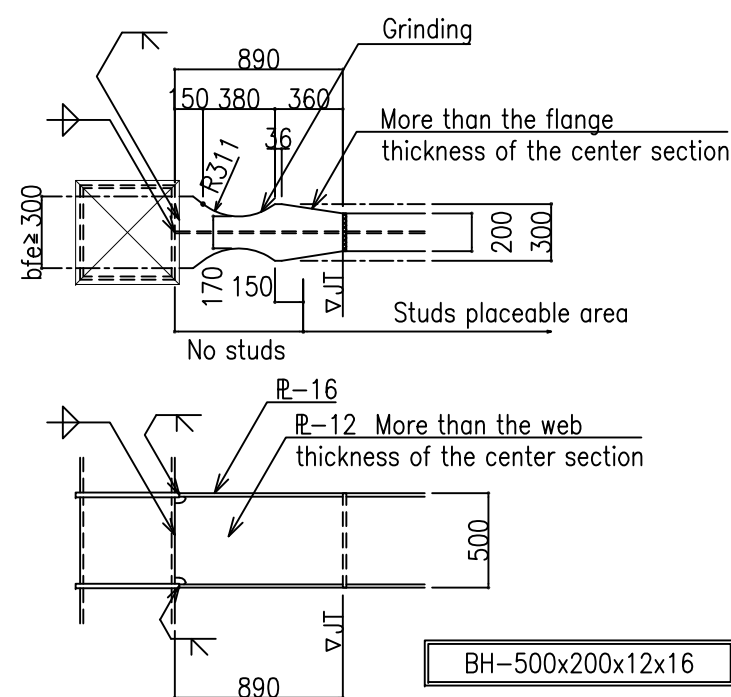
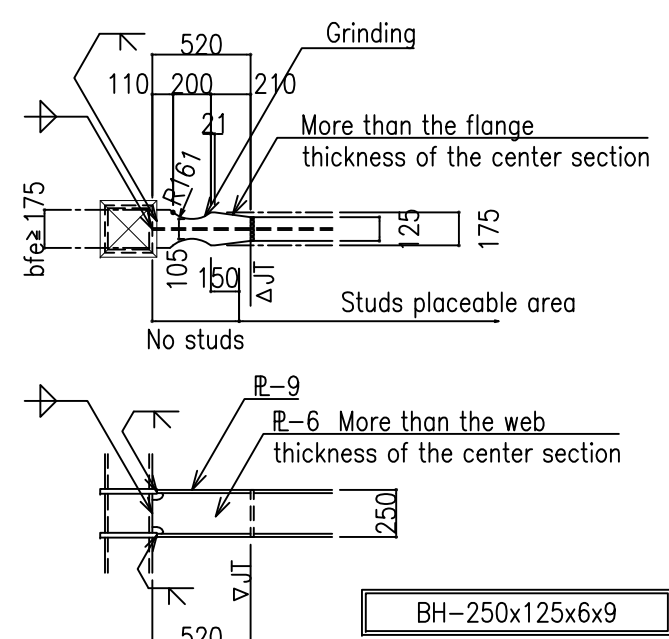
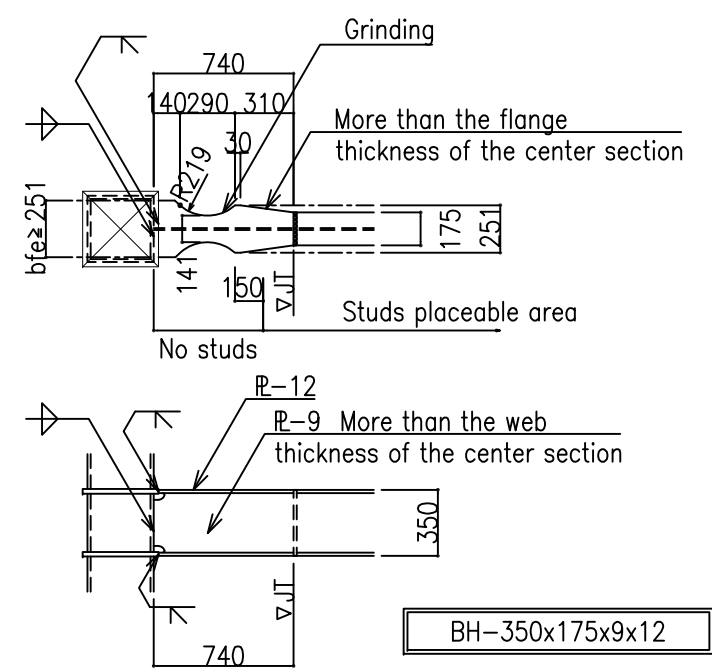
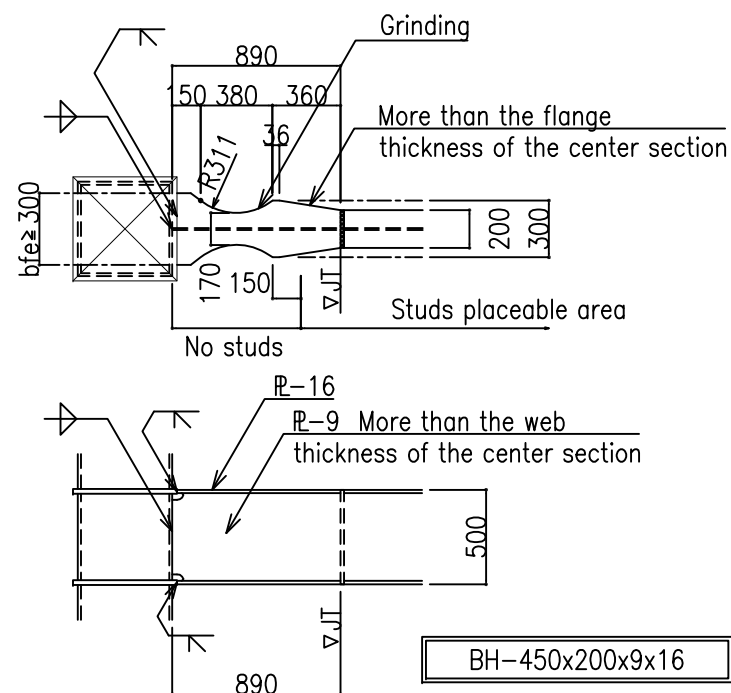
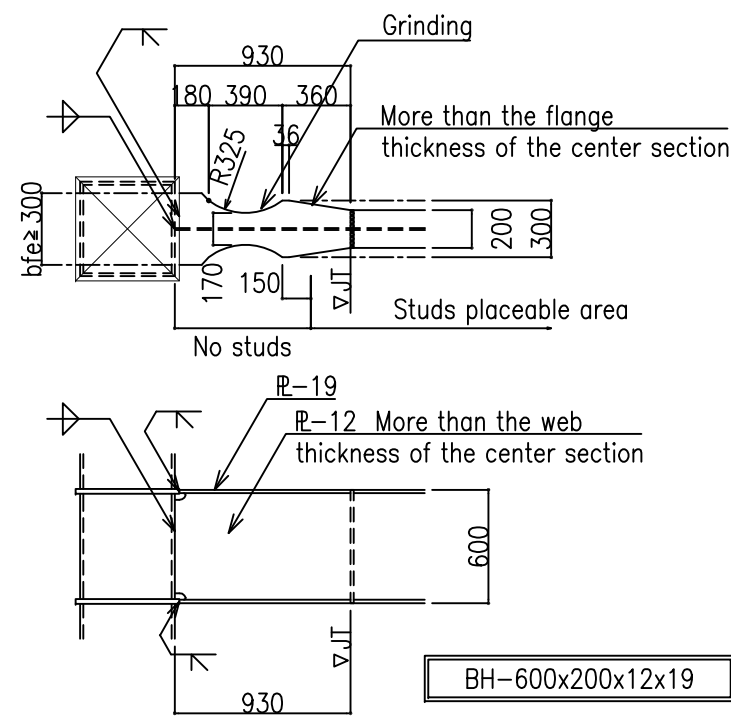
Square tube column: interior diaphragm



Wide flange column

H-type





H-type

