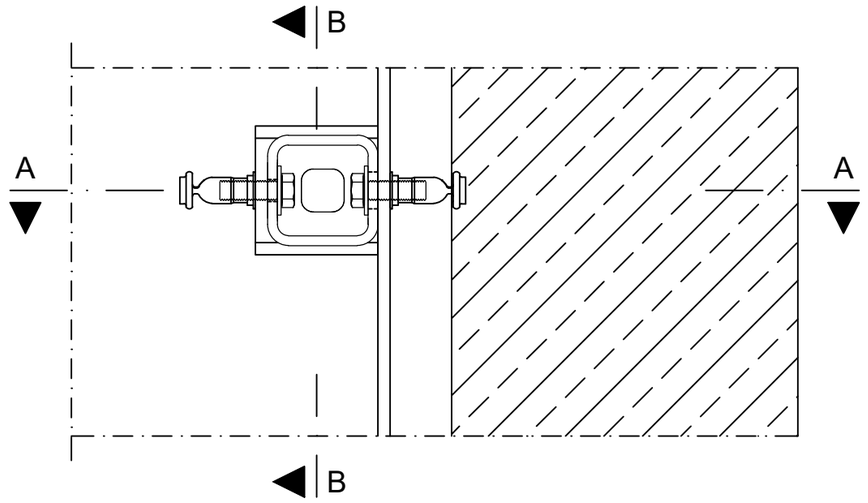
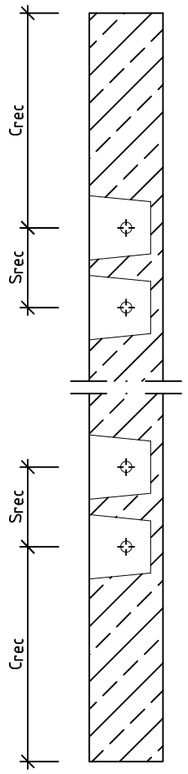
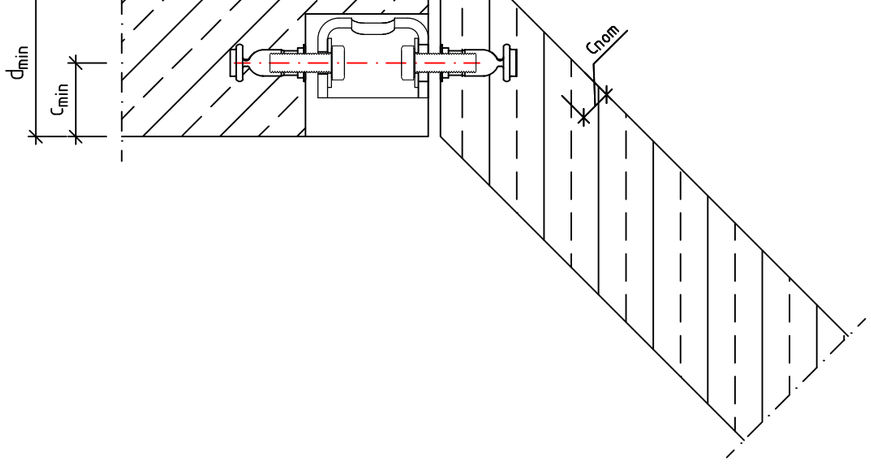
view



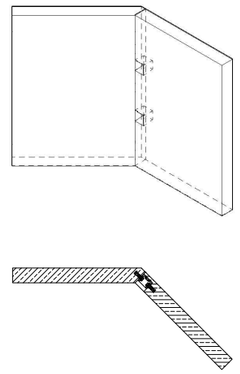
section B-B



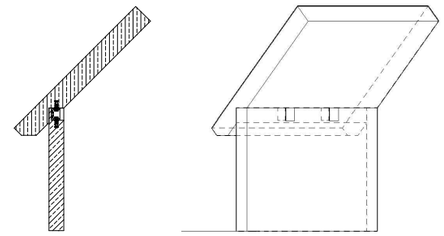
section A-A



examples of a diagonal corner joint



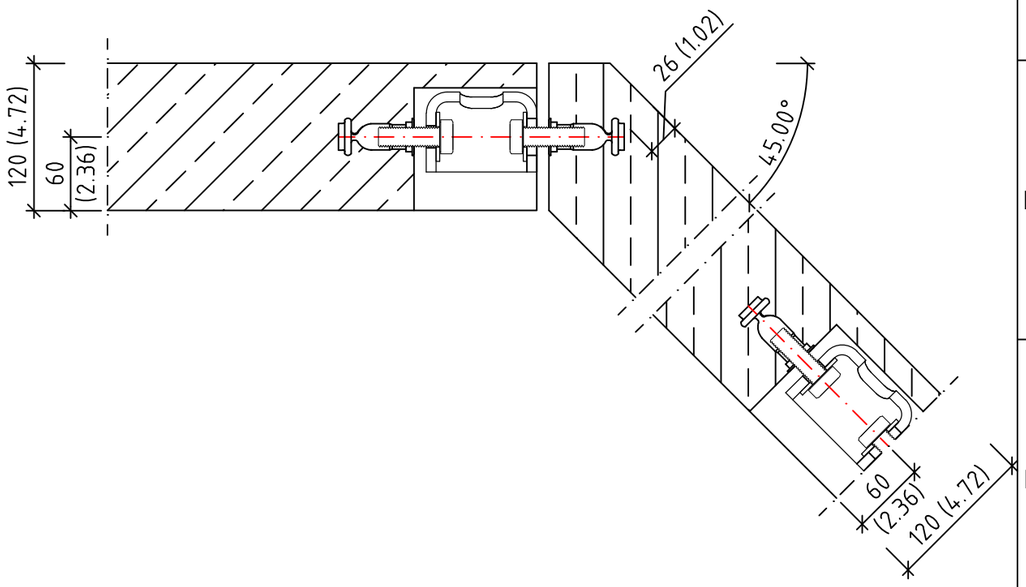
wall - wall



wall - roof panel

example: implementation of a diagonal corner joint

with:
constant wall thickness
angle: 45°
BT-Spannschloss® (turnbuckle) M16
fixing anchor: T-FIXX® M16 x 60 mm



size	c_{min}	d_{min}	c_{rec}	s_{rec}
M12	50 (1.97)	100 (3.94)	350 (13.78)	130 (5.12)
M16	60 (2.36)	120 (4.72)	350 (13.78)	150 (5.91)
M20	70 (2.76)	140 (5.51)	350 (13.78)	180 (7.09)

notes

1. The here shown waved anchors are for visualization only. Other approved fixing systems can also be used. Bent reinforcement connection systems or fixing anchors with a low embedment depth are recommended for diagonal corner joints.
2. The mentioned centre distances and edge distances (section B-B) are only recommendations! Adhering to these specifications minimises the risk of unintended concrete spalling during the assembly of the precast concrete parts. These values can be deviated from for smaller component dimensions.
3. The minimum required centre distances and edge distances of the used fixing anchors are decisive. The specifications are to be taken from the respective general building approval of the manufacturer and must be adhered to!

All dimensions in mm (in)!

INDEX	REVISION	NAME	DATE
A	centre distances and edge distances added	Piatkowsky	15.08.2018

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drawn by Piatkowsky 25.06.2018
checked by Papke 25.06.2018

drawing title
BT-Spannschloss® (turnbuckle)
detail diagonal corner joint

drawing number
BTSpS-tZ-all-121620-DE-015

Index	scale	paper size
A	1:5	DIN A3

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