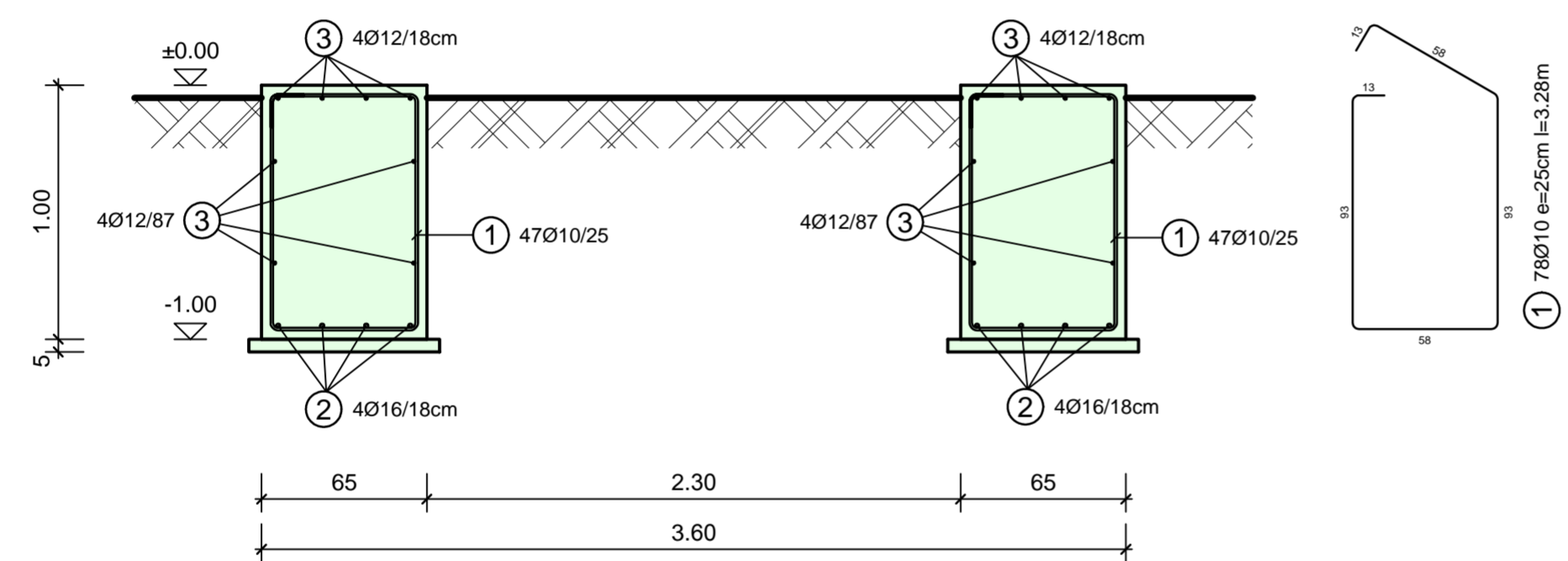
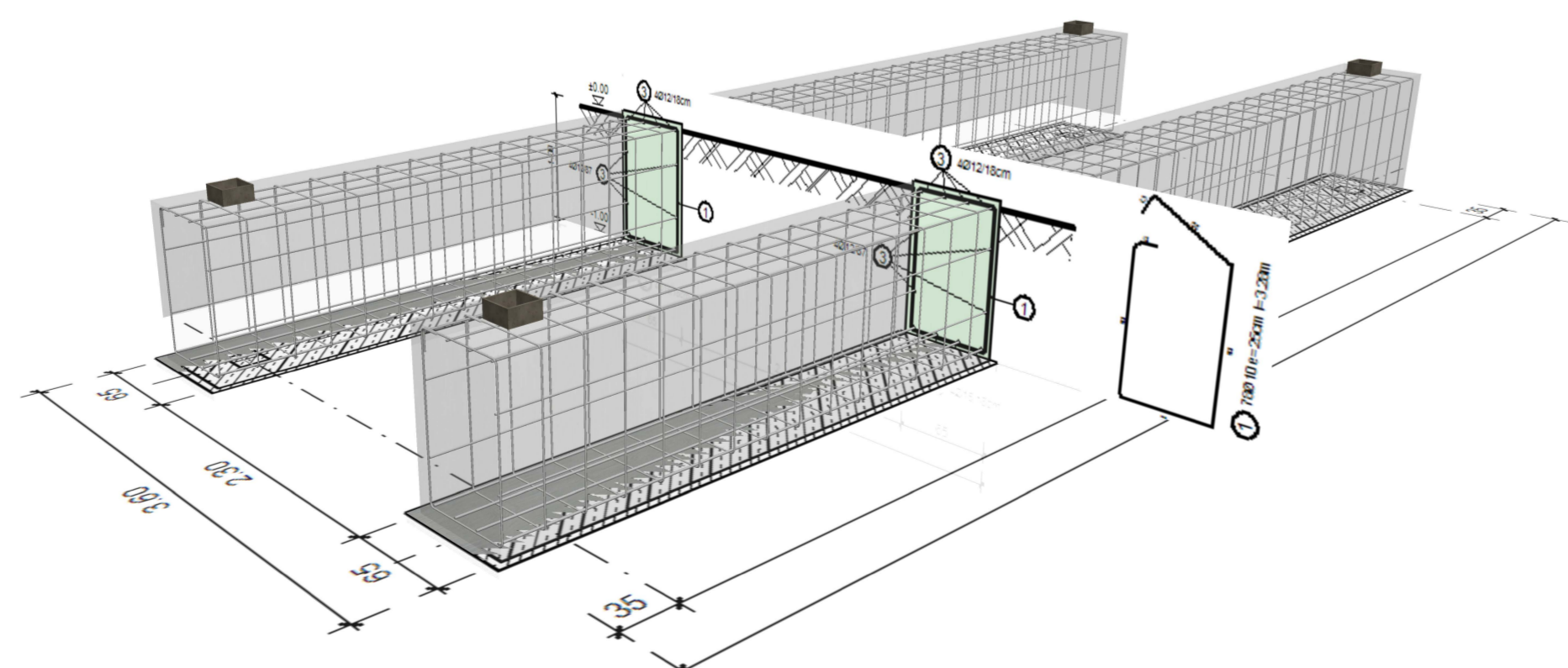


Topview Reinforcement



Section 1-1 Reinforcement



Visualization reinforcement

Part	Concrete	Part	concrete cover c_{nom}
Foundation	C25/30	XC 2 / XF 1	3,5 cm

Minimum values for bending roll diameter ϕ
 For concrete bar B500, welded steel mesh mat B500 according to DIN EN 1992-1-1

	Minimum values of the bending roll diameters during single bending (DIN EN 1992-1-1, Table 8.1 DE)				
	Hinges, hooks, angle hooks, loops (D ₁)		Oblique bend or other curved bars (D ₂)		
	Rod Diameter ϕ		concrete cover minimums perpendicular to the bending plane		
	< 20 mm	≥ 20 mm	> 100 mm > 7 d _s	> 50 mm > 3 d _s	≤ 50 mm ≤ 3 d _s
normal Concrete	4 ϕ	7 ϕ	10 ϕ	15 ϕ	20 ϕ
lightweight Concrete	5 ϕ	9 ϕ	13 ϕ	20 ϕ	26 ϕ

	Additional minimum values of the bending roll diameter for bent reinforcement after welding (DIN EN 1992-1-1, Table 8.1 DE)				
	Welding outside the bending area	Predominantly dormant effects		Not predominantly static effects	
		Welding within the bending area	welding on the outside of the bend	Weld on the inside of the bend	
for a < 4 ϕ	20 ϕ	20 ϕ	100 ϕ	500 ϕ	
for a ≥ 4 ϕ					

Bar spacing of longitudinal bars:
 The clearance between reinforcing bars outside the impact areas shall be at least 2 cm and shall not be less than the rod diameter.
 For bar distances of bar bundles, see DIN EN 1992-1-1

INDEX	CHANGES	DATUM	GEZEICHNET
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Building project Foundation CHP-Container U230 Kenneth Dr. Welch Lakeville MA US 02347	Plan content Reinforcement plan

	Date	Name	Index
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