



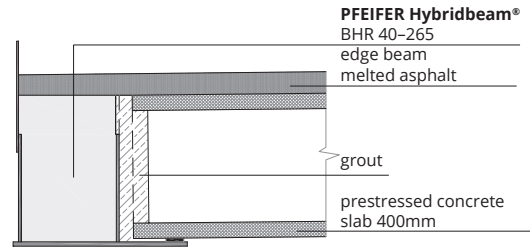
Car park Bernau

Slim-Floor construction with precast
concrete elements – Pfeifer Hybridbeam

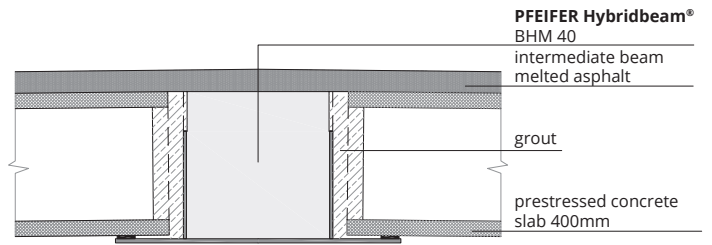
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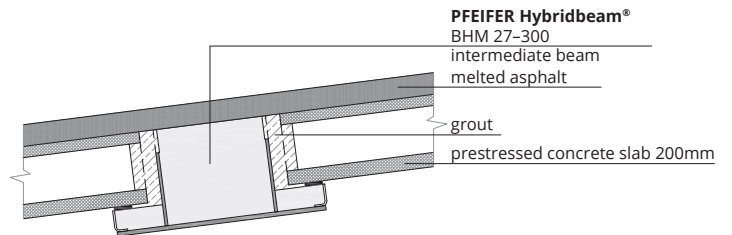
Edge beam - Hybridbeam® BHR



Intermediate beam - Hybridbeam® BHM



slab (ramp) - Hybridbeam® BHM



Car park Bernau

Owner	Stadtwerke Bernau GmbH	Construction time	May 2019–May 2020
Architect	Reimann Hübler	Height of construction	11,64 m
Main contractor	Willy Johannes Bau GmbH & Co. KG	Height between floors	10.960 m ²
		Number of floors	4 (with 377 parking lots)
Bearing system		Advantages when working with constructions using precast concrete elements	
– Hybridbeam	length 5,60 m	– fast construction time with prefabricated elements	
– prestressed concrete slab	length 16,0 m	– Quote Johannes Bau GmbH & Co KG: „The four floors with 377 parking lots have been built in a record time of 9 months by using a Slim-Floor construction.“	
– Pfeifer tension rod system			
Loadings			
– dead load	6,25 kN/m ²		
– working load	3,00 kN/m ²		

Many thanks to the company Johannes Bau GmbH & Co KG for sharing the pictures



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