

[illegible]

Technical drawing of a roof edge detail showing a cross-section of a roof structure. The drawing includes the following dimensions and components:

- Overall width: 2.00m
- Drainage channel width: 0.197m
- Pipe diameter: 80mm (labeled as 3 in the drawing)
- Slope: 4.00%
- Roof thickness: 0.15m
- Drainage channel depth: 0.037m
- Drainage channel width at base: 0.100m
- Drainage channel width at top: 0.165m
- Drainage channel width at bottom: 0.035m
- Drainage channel width at top (inner): 0.065m
- Drainage channel width at bottom (inner): 0.035m
- Drainage channel width at top (outer): 0.100m
- Drainage channel width at bottom (outer): 0.035m
- Drainage channel width at top (inner): 0.065m
- Drainage channel width at bottom (inner): 0.035m
- Drainage channel width at top (outer): 0.100m
- Drainage channel width at bottom (outer): 0.035m

The drawing also shows a cross-section of a roof structure with a drainage channel and a pipe. The pipe is labeled "PVC-Rohr NW 80". The drainage channel is labeled "B 35". The slope is indicated as "4.00%". The roof thickness is "15". The drainage channel depth is "37". The drainage channel width at the base is "100". The drainage channel width at the top is "165". The drainage channel width at the bottom is "35". The drainage channel width at the top (inner) is "65". The drainage channel width at the bottom (inner) is "35". The drainage channel width at the top (outer) is "100". The drainage channel width at the bottom (outer) is "35". The drainage channel width at the top (inner) is "65". The drainage channel width at the bottom (inner) is "35". The drainage channel width at the top (outer) is "100". The drainage channel width at the bottom (outer) is "35".

Technical drawing of a roof joint detail showing a cross-section of a roof with a ridge. The drawing includes labels for 'Kappe' (ridge cap), 'Fugenband z.B. FAE 50' (seam tape), and 'Fugeneinlage gem. ZTV-ING 3-3' (seam insert). Dimensions are given: '≥2' for the overlap of the cap, '15' for the thickness of the roof structure, and '2' for the thickness of the seam insert.

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① Voranstrich
 ② Fugenvergussmasse
 ③ Unterfüllstoff bzw. Trennstreifen
 gem. ZTV-ING 6-1, 6-2, 6-3

Dicht 9	Gel 9	Kap 2, Bl. 1	
Fug 3	Fug 6	Gel 13	
Gel 3	Kap 1, Bl. 1		

Baustoffangaben

Bauteil	Beton	Baustahl	Betonstahl	Spannstahl
	Festigkeits- klasse	Expositions- klasse		Klasse 1
Kapfen (neu)	C 25/30	XC4, XD3, XF4	B500 B	
Kapfen	B 35 LP	—	BS1 420/500	
Überbau	B 25	—	BS1 420/500	
Flügel	B 25	—	BS1 420/500	
Widersackel	B 25	—	BS1 420/500	
Lagersattel	B 35	—	BS1 420/500	
Fundamente	B 25	—	BS1 420/500	
Unterbeton	B 10	—	—	
Verspannung *)				

Technical drawing showing a cross-section of a roof edge detail. The drawing includes dimensions for heights, widths, and slopes. Key components labeled include 'PVC-Rohr NW 80' (PVC pipe) and 'B 25' (concrete slab). Slopes are indicated as 4.00% and 2.50%.

[illegible]

Technical drawing showing the cross-section of a bridge deck (B 25) and the installation of Super Rail Eco BW tracks. The drawing includes dimensions for the track bed, concrete slabs, and the central joint. Labels indicate the need to renew the track bed and sealing at the joint.

Key components and dimensions:

- Track Bed:** 50 cm wide on each side of the central joint.
- Concrete Slab (B 25):** 177 cm wide on each side of the central joint.
- Central Joint:** 25 cm wide.
- Track Bed Slope:** 4.00% on the left and 2.50% on the right.
- Concrete Slab Slope:** 5.30% on the left and 4.00% on the right.
- Labels:**
 - Fahrbahnbelag und Abdichtung erneuern (Renew track bed and sealing)
 - Super Rail Eco BW
 - Fugenabdeckung nach RiZ (Fug 8) (Joint cover according to RiZ (Fug 8))
 - Kappen in Anlehnung an RiZ (Kap 2, Bl. 1) (Caps according to RiZ (Kap 2, Bl. 1))

Technical drawing of a cross-section of a road edge and drainage system. The drawing shows a concrete curb (B 25) with a drainage channel (Dicht 9) and a Super Rail Eco BW. The road surface is labeled "Fahrbahnbelag und Abdichtung erneuern". Dimensions include a total width of 2.05m, a curb height of 1.00m, and a drainage channel width of 0.50m. Slopes are indicated as 4.00% and 2.50%. A note mentions "RIZ [Gel. 6.9 und 13] in Anlehnung an Bestand".

Bauart: *)	Stahlbeton
Einwirkungen	DIN 60
Klasse der Angriffslasten gem. DIN EN 1991	B
Materialienklasse	90/50 – 50/50
Einzelstützenweite (s)	11,03 m
Gesamtlänge zw. Endauflagen (s)	12,83 m
Lichte Weite zw. Widerlagern (s)	9,75 m
Wandte Knochte Höhe	4,50 m
Kreuzungswinkel	75,00 gon
Breite zw. Geländern	16,05m + 16,05m = 32,10m (+Aufweitung)
Brückenfläche	176 m²

d				
c				
b				
a	Überarbeitung für Ausschreibung	04.04.2025	ca	
Index	Änderung	Datum	Zichen	
Entwurf:		Projekt-Nr. 04 00069 / 0423078 Blatt-Nr. _____ Datum _____ Zeichen _____ Bear. 08/78 ge Zeich. 08/78 gm / sh Geop. 04/79 mdb		
 eberhardt & die Ingenieure gbr Bahnhofsstraße 1 46055 Tecklenburg Kommunikation: Tel. 05402 - 9889-100 Fax 05402 - 9889-133 info@ing.de, www.die-ing.de		Tecklenburg, den 10.04.2025		
 Region 2 Regionalniederlassung Ruhr Haus Bochum		 8 Anlage		
Straße: B 236 n Bauvorhaben: Kappenerneuerung Gemarkung: Dortmund		Blatt-Nr. E-02a Projekt-Nr. 10-0556		
Bauwerk: Brücke im Zuge der B 236 n "Auf dem Brink" in km 4,8+96,396		Datum _____ Zeichen _____ Bearbeit. _____ Geop. _____		
Plandarstellung: Draufsicht, Schnitte, Details		ASB-Nr. 4410 525 Entwurfsplan Maßstab: 1:500 1:50 1:5		