

MARMOLEUM FORBO VIVACE	th. 3 mm
EUROSAFE LINO PLUS	th. 1 mm
FORBO QUICKFIT PANELS	th. 7 mm
R. C. SLAB C20/25	th. 60 mm
POLYETHYLENE FOIL	th. 1 mm
EPS 150 S	th. 150 mm
GLASTEK 40 SPECIAL MINERAL	th. 4 mm
GLASTEK 40 SPECIAL MINERAL	th. 4 mm
R. C. SLAB C30/37	th. 150 mm
CRUSHED STONE 16-32 mm	th. 150 mm
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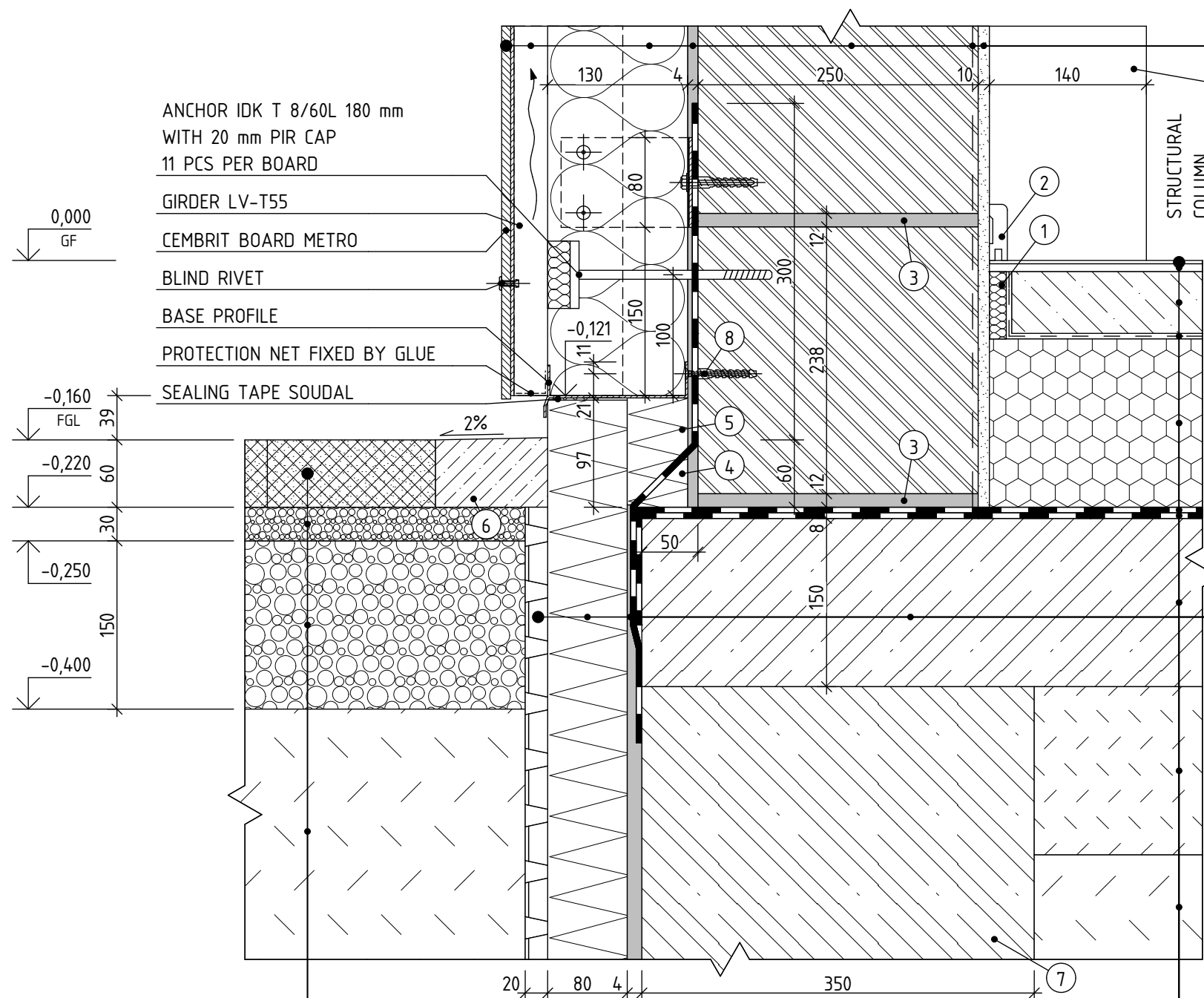
INFORMATION
» GLASS FACADE SCHÜCO FW50+ SI MUST BE EXECUTED ACCORDING TO THE PRODUCER BY A SPECIALIZED COMPANY
» THE DISTANCE BETWEEN THE LOWEST TRANSOM AND SOIL MUST BE AT LEAST 150 mm
» DISTRIBUTION SLAB AND BASE MUST BE REINFORCED BY KARI MESH, DESIGNED BY A STRUCTURAL ENGINEER
» GLASS FACADE IS COMPOSED FROM TRIPLE-GLAZED PANELS WITH $U_g = 1,1 \text{ W/m}^2\text{K}$ AND $U_{cw} = 0,938 \text{ W/m}^2\text{K}$

FLOOR STRUCTURE + KARI
WATERPROOF LAYER
WATERPROOF LAYER
ADHESIVE COMPOUND
THERMAL INSULATION
PLATON FOUNDATION WRAP

R. C. SLAB C30/37	th. 150 mm
GLASTEK 40 SPECIAL MINERAL	th. 4 mm
SCHÜCO	th. 1 mm
PROFIMIX LM 710	th. 4 mm
STYRODUR 2800 C (XPS)	th. 80 mm
PE-HD SHEET	th. 20 mm

NOTES - GLASS FACADE
① BEARING METAL PLATE 170x150x8 mm
② SCREW M6x50 WITH WALL PLUG
③ FOUNDATION R. C. BEAM C35/45
④ VAPOUR BARRIER SCHÜCO
⑤ EPS 150 S
⑥ XPS 60x30 mm
⑦ SLOPED CONCRETE PAVEMENT

INTERLOCKING PAVEMENT	CONC. TILES BEST KARO	th. 60 mm
LAYING LAYER	CRUSHED STONE 2-5 mm	th. 30 mm
BEARING LAYER	CR. STONE 2-5 & 4-8 mm (1:1)	th. 150 mm
SOIL INFILL	---	---



CEMBRIT BOARD METRO	th. 8 mm
---	th. 30 mm
KINGSPAN KOOLTHERM K15 (PIR)	th. 130 mm
PROFIMIX LM 710	th. 4 mm
HELUZ AKU 25	th. 250 mm
PZ	----
PROFIMIX JM 303	th. 10 mm

FLOOR STRUCTURE + KARI
WATERPROOF LAYER
VAPOUR BARRIER
ADHESIVE COMPOUND
THERMAL INSULATION
PLATON FOUNDATION WRAP

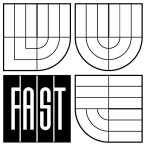
R. C. SLAB C30/37	th. 150 mm
GLASTEK 40 SPECIAL MINERAL	th. 4 mm
SCHÜCO	th. 1 mm
PROFIMIX LM 710	th. 4 mm
STYRODUR 2800 C (XPS)	th. 80 mm
PE-HD SHEET	th. 20 mm

NOTES - MASONRY INFILL
① ACOUSTIC INSULATION ISOVER N/PP 100, th. 15 mm
② BASEBOARD QUICKSTEP
③ MORTAR PROFIMIX ZM 920 th. 12 mm
④ XPS WEDGE 50x50 mm
⑤ XPS 55x95 mm
⑥ SLOPED CONCRETE PAVEMENT
⑦ FOUNDATION R. C. BEAM C35/45
⑧ SCREW 5x60 WITH WALL PLUG

INTERLOCKING PAVEMENT	CONC. TILES BEST KARO	th. 60 mm
LAYING LAYER	CRUSHED STONE 2-5 mm	th. 30 mm
BEARING LAYER	CR. STONE 2-5 & 4-8 mm (1:1)	th. 150 mm
SOIL INFILL	---	---

FLOORING	MARMOLEUM FORBO VIVACE	th. 3 mm
ADHESIVE	EUROSAFE LINO PLUS	th. 1 mm
LEVELING BOARDS	FORBO QUICKFIT PANELS	th. 7 mm
DISTRIBUTION LAYER + KARI	R. C. SLAB C20/25	th. 60 mm
SEPARATION LAYER	POLYETHYLENE FOIL	th. 1 mm
THERMAL INSULATION	EPS 150 S	th. 150 mm
WATERPROOF LAYER	GLASTEK 40 SPECIAL MINERAL	th. 4 mm
WATERPROOF LAYER	GLASTEK 40 SPECIAL MINERAL	th. 4 mm
BASE SLAB + KARI	R. C. SLAB C30/37	th. 150 mm
COMPACTED GRAVEL	CRUSHED STONE 16-32 mm	th. 150 mm
SOIL INFILL	---	---

0,000 = 219,762 m a.s.l.
Coordinate system: S-JTSK
Height system: BpV

MASTER'S THESIS		 BRNO UNIVERSITY OF TECHNOLOGY FACULTY OF CIVIL ENGINEERING INSTITUTE OF BUILDING SCIENCES	
AUTHOR	Bc. PETR DVOŘÁK	DATE	21.1.2014
SUPERVISOR	prof. Ing. JITKA MOHELŇKOVÁ, Ph.D.	SIZE	4 x A4
UNIVERSITY RESIDENTIAL CENTRE		SCALE	1:5
DETAIL OF BOTTOM END OF FACADE		DRAWING ID	C18 D05