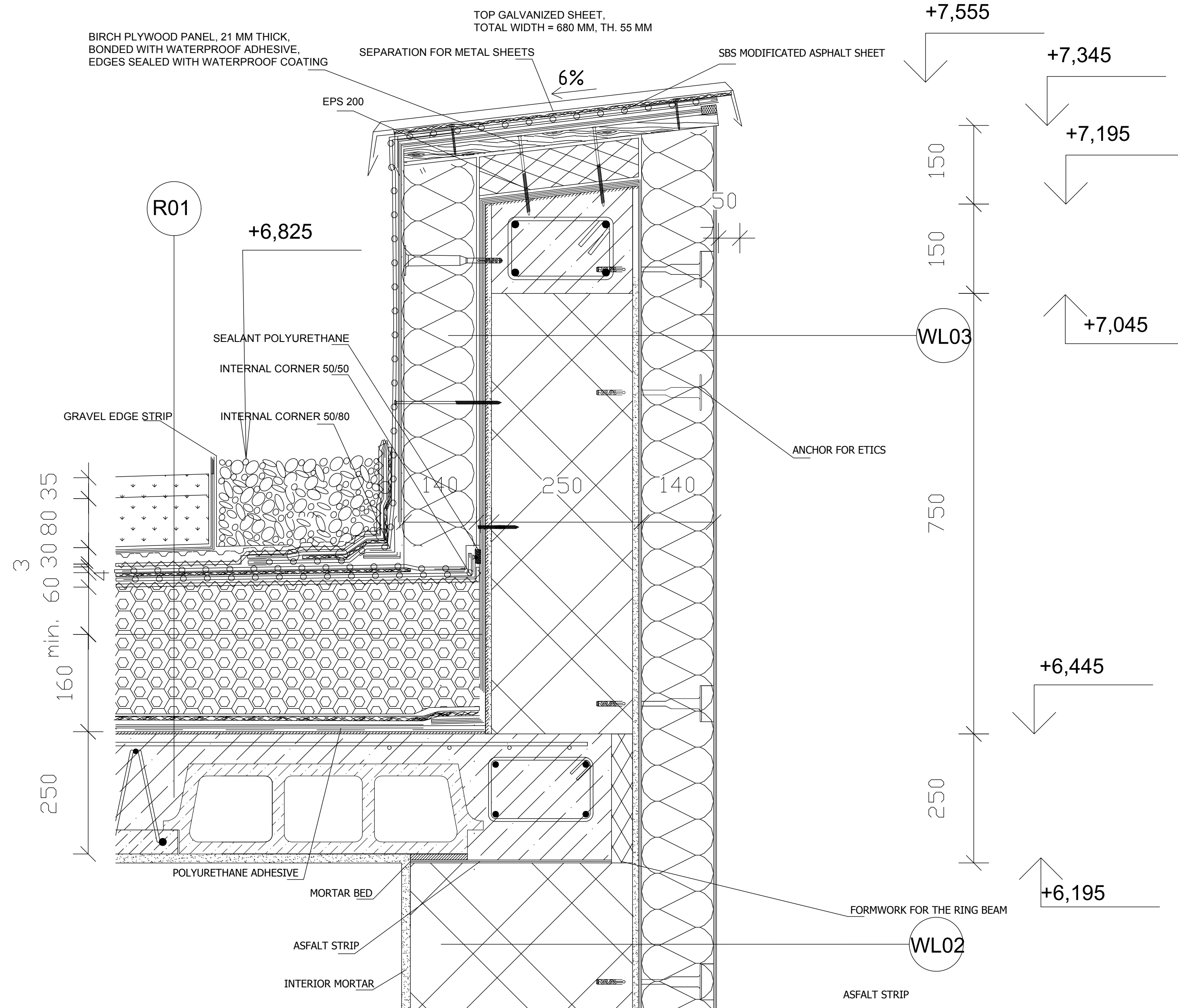


### DETAIL D - PARAPET WALL

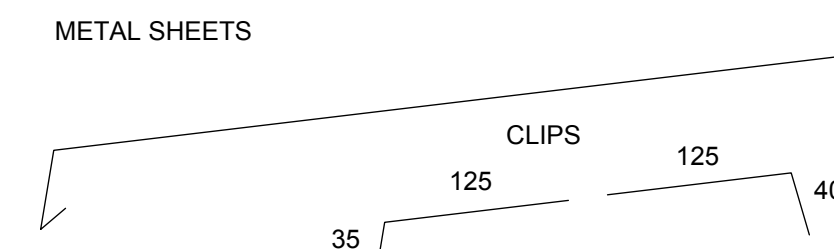


## ROOF COMPOSITION

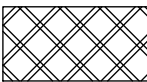

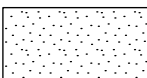
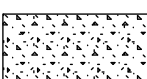
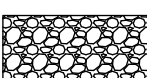


Layer	Thickness
VEGETATION LAYER - SMALL PLANTS	15-35 mm
SUBSTATE LAYER -SAND AND TARF	80 mm
FILTRATION LAYER - PROTECTIVE NON-WOVEN TEXTILE	
DRAINAGE LAYER - DRAINAGE MAT	30 mm
FILTRATION LAYER - PROTECTIVE NON-WOVEN TEXTILE	3 mm
SBS MODIFIED BITUMEN FELT WITH POLYESTER FIBRE MAT	
SBS MODIFIED BITUMEN FELT WITH GLASS FIBRE MAT	
WATERPROOFING LAYER - SELF ADHESIVE BITUMEN SHEET	4 mm
SLOPE-FORMING WEDGES FROM EPS 100	min. 60 mm
THERMAL INSULATION EPS 100	160 mm
VAPOR BARRIER ASPHALT MEMBRANE WITH ALUMINUM REINFORCEMENT	4 mm
PENETRATION LAYER - ASPHALT PRIMER	
LOAD-BEARING LAYER - BEST PANEL	250 mm

<p>Diagram showing a vertical section of a roof assembly. A vertical line represents the assembly, with layers labeled from top to bottom: WATERPROOFING - 2x SBS MODIFIED ASPHALT FELT (8mm), THERMAL INSULATION - FACADE EXPANDED POLYSTYRENE EPS (140mm), WATER VAPOUR BARRIER - ASPHALT FELT TYPE S (4mm), PENETRATION LAYER - ASPHALT EMULSION (-), LOAD-BEARING LAYER - BLOCKS POROTHERM 30 PROFI (300mm), PENETRATION PRIMER (0.25kg/m2), ADHESIVE LAYER - MORTAR - APPLIED DIRECTLY ON MW BLOCKS (5-15mm), EPS GREYWALL THERMAL INSULATION, LEVELING LAYER - MORTAR (5-15mm), REINFORCING LAYER - MORTAR WITH GLASS FIBRE MESH (3mm), and PENETRATION PRIMER. A vertical arrow on the left points downwards, labeled 'i' at the top and 'e' at the bottom. A circular callout 'WL03' is at the top left.</p>	WATERPROOFING - 2x SBS MODIFIED ASPHALT FELT	8mm
	THERMAL INSULATION - FACADE EXPANDED POLYSTYRENE EPS	140mm
	WATER VAPOUR BARRIER - ASPHALT FELT TYPE S	4mm
	PENETRATION LAYER - ASPHALT EMULSION	-
	LOAD-BEARING LAYER - BLOCKS POROTHERM 30 PROFI	300mm
	PENETRATION PRIMER (0.25kg/m2)	
	ADHESIVE LAYER - MORTAR - APPLIED DIRECTLY ON MW BLOCKS	5-15mm
	EPS GREYWALL THERMAL INSULATION	
	LEVELING LAYER - MORTAR	5-15mm
	REINFORCING LAYER - MORTAR WITH GLASS FIBRE MESH	3mm
	PENETRATION PRIMER	



	WL02	
i	INT. WHITE PAINT	
	PRIMER COAT	
	MACHINE-APPLIED GYPSUM PLASTER	10 mm
	CERAMIC BLOCKS	300 mm
	BASE COAT FOR AIR TIGHTNESS	10 mm
	CEMENT-BASED ADHESIVE MORTAR	8 mm
	EPS GREY THERMAL INSULATION	140 mm
	CEMENT-BASED RENDER	5 mm
e	BASE PRIMER	
	THIN-LAYER PASTY SILICATE-SILICONE PLASTER	2 mm



## LEGEND OF MATERIALS

	LOAD-BEARING MASONRY - GROUND CERAMIC BLOCK
	THERMAL INSULATION MADE OF EXPANDED POLYSTYRENE (EPS), THICKNESS ACCORDING TO LAYER COMPOSITION
	SUBSTRATE LAYER - SAND AND TARF, TH.80 MM
	SIMPLE INRENSIVE VEGETATION LAYER - SMALL PLANTS, SHRUBS
	WASHED RIVER AGGREGATE - GRAVEL FRACTION 16/32
	WATERPROOFING MADE OF SBS-MODIFIED BITUMEN MEMBRANES WITH REINFORCING LAYER ACCORDING TO LAYER COMPOSITION. THICKNESS ACCORDING TO LAYER COMPOSITION
	PLAIN CONCRETE

0,000 = 488,307 m.a.s.l.,B.H.S  
/ COORDINATE SYSTEM S-JTSK

7. COORDINATE SYSTEM S-JTSK				
COURSE	BACHELORS' THESIS			
DRAWN BY	ADELA MATUŠOVÁ			
SUPERVISED BY	PROF.ING.JITKA MOHELNÍKOVÁ, PH.D.			
INVESTOR	-			
LOCATION	Krokočín, okres Třebíč, Kraj Vysočina, 595 01, Česko			
PROJECT TITLE	FAMILY HOUSE WITH TATTOO STUDIO			
BUILDING OBJECT	SQ_01			
PART	D.1.1. ARCHITECTURAL BUILDING SOLUTION			
DRAWING TITLE:	DETAIL D - PARAPET WALL			
		PAPER FORMAT		420x841
		DATE		20.5.2025
		PROJ. PHASE		DPS
		SCALE		1:5
				DRAWING NO. D.1.2-13