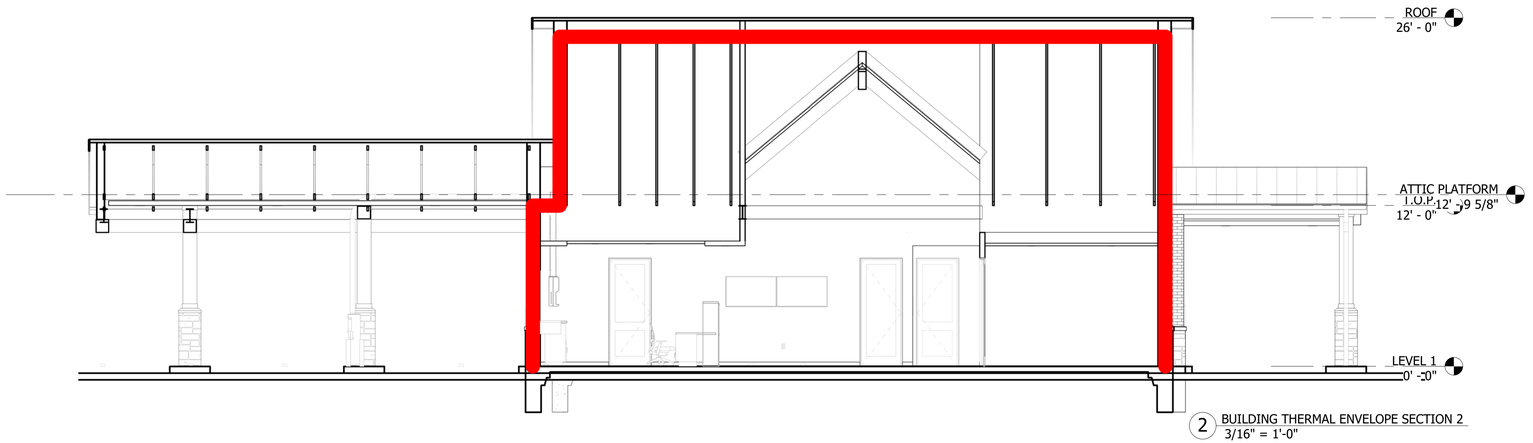
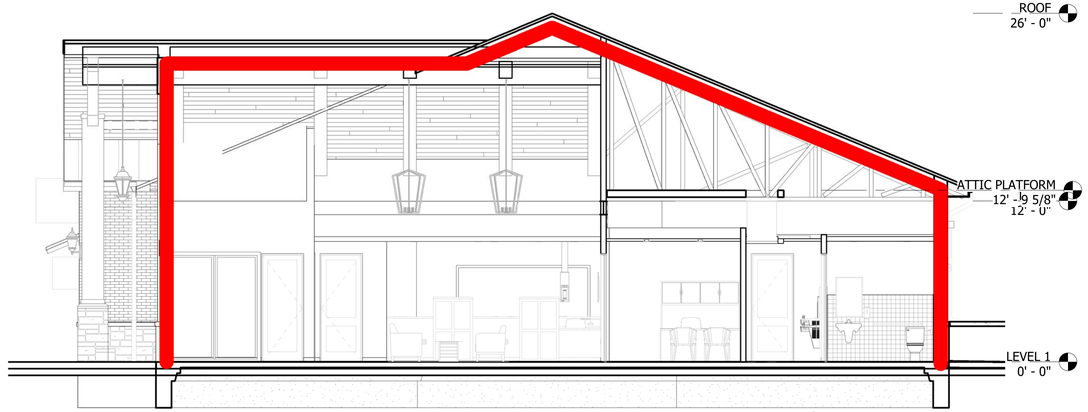


2 BUILDING THERMAL ENVELOPE SECTION 2
3/16" = 1'-0"



1 BUILDING THERMAL ENVELOPE SECTION 1
3/16" = 1'-0"

BUILDING ENVELOPE REQUIREMENTS
2018 IECC Commercial Provisions
Chapter 4 Section 402

THERMAL ENVELOPE VALUES PER CLIMATE ZONE		
CLIMATE ZONE	2	
	ALL OTHER	GROUP R
ROOFS		
INSULATION ENTIRELY ABOV...	R-25ci	R-25ci
METAL BUILDINGS	R-19+ R11 LS	R-19+ R11 LS
ATTIC AND OTHER	R-38	R-38
WALLS, ABOVE GRADE		
MASS	R-5.7ci	R-7.6ci
METAL BUILDING	R13 + R-6.5ci	R13 + R-13ci
METAL FRAMED	R13 + R-5ci	R13 + R-7.5ci
WOOD FRAMED AND OTHER	R13 + R-3.8ci or R-20	R13 + R-3.8ci or R-20
WALLS, BELOW GRADE		
BELOW-GRADE WALL	NR	NR
FLOORS		
MASS	R-6.3ci	R-8.3ci
JOIST/FRAMING	R-30	R-30
SLAB-ON-GRADE FLOORS		
UNHEATED SLABS	NR	NR
HEATED SLABS	R-7.5ci for 12" below	R-7.5ci for 12" below

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ARCHITECTURE | DESIGN | CONSTRUCTION
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www.sligroup.com
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National Bank & Trust
National Bank & Trust - Bastrop
264 FM 969 BLDG. 3
BASTROP, TX 78602
Project Number : 8989

ISSUED FOR	DATE
ISSUED FOR CLIENT APPROVAL	08.17.2026
ISSUED FOR BIDDING	09.11.2026
ISSUED FOR PERMIT	09.11.2026
ISSUED FOR CONSTRUCTION	

REVISIONS

MARK	DESCRIPTION	DATE

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REGISTERED ARCHITECT
THOMAS B. TAYLOR
14288
STATE OF TEXAS
09/11/26

DRAWING TITLE
BUILDING ENVELOPE ANALYSIS

DRAWN BY	RG	SHEET NO.
CHECKED BY	CA	T-1.20
APPROVED BY	TB	

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