

Public School Construction Program

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COLORADO

**Division of Fire
 Prevention & Control**

Department of Public Safety

2021 IECC Thermal Envelope Certificate - C401.3

(Note: This certificate is in addition to any insulation installer certificates required by C303.1.)

Where there is more than one value for any component of the building envelope, the certificate shall indicate the area-weighted average (AWA) where available. If the AWA is not available, the certificate shall list each value that applies to 10% or more of the total component area.

Post this certificate prior to final inspection and provide the DFPC inspector with an electronic copy.

Facility Name:

Building Permit No:

Facility Address:

General Contractor:

Date:

Design Professional in Responsible Charge:

Thermal Envelope Inspected and Form Verified by:

INSULATION R-VALUES:

Type/Location or N/A	R-Value	Type/Location or N/A	R-Value
Roof or Ceiling		Slabs	
Roof or Ceiling		Slabs Basement	
Roof or Ceiling		Walls Basement	
Walls		Walls	
Walls		Crawl Space	
Walls		Walls	
Walls		Crawl Space	
Walls		Floors	
Foundations		Ducts Outside	
Foundations		Conditioned Space	
Foundations		Other	
Slab Edge		Other	

FENESTRATION U-FACTORS & SOLAR HEAT GAIN COEFFICIENTS (SHGC):

Type/Location or N/A	U-Factor	SHGC
Fenestration - Fixed Vertical		
Fenestration - Fixed Vertical		
Fenestration - Operable		
Entrance Doors - Opaque		
Entrance Doors - Glazed		
Entrance Doors - Glazed		
Garage Doors - Glazed		
Garage Doors - Opaque		
Skylights		
Skylights		
Other		

BUILDING ENVELOPE AIR LEAKAGE TEST - Test Standard Used (C402.5.3):

ASTM E779: ANSI.RESNET/ICC 380: ASTM E3158: ASTM E1827: Equivalent Method: Weighted Average: Weighted Average Exception:

Test Results: