



COMcheck Software Version null
Envelope Compliance Certificate

Project Information

Energy Code: 2015 IECC
 Project Title: NEILL'S CREEK BAPTIST CHURCH
 Location: Angier, North Carolina
 Climate Zone: 4a
 Project Type: New Construction
 Vertical Glazing / Wall Area: 1%

Construction Site: 4200 NEILL'S CREEK ROAD, ANGIER, NC 27501
 Owner/Agent: _____
 Designer/Contractor: _____

Additional Efficiency Package(s)
 Dedicated Outdoor Air System

Building Area	Floor Area
1-Gymnasium : Nonresidential	6142

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor _{min}
Roof 1: Metal Building, Standing Seam, Double Insulation Layer with Thermal Blocks (d), [Bldg. Use 1 - Gymnasium]	6575	11.0	19.8	0.034	0.035
Floor 1: Slab-On-Grade/Unheated, [Bldg. Use 1 - Gymnasium] (c)	333	---	---	0.730	0.540
NORTH					
North Wall - Left Side: Metal Building Wall, Single Layer Mineral Fiber (compressed at girt), [Bldg. Use 1 - Gymnasium]	2062	0.0	19.8	0.048	0.052
Door 2: Insulated Metal, Swinging, [Bldg. Use 1 - Gymnasium]	42	---	---	0.200	0.610
EAST					
East Wall - Rear Elevation: Metal Building Wall, Single Layer Mineral Fiber (compressed at girt), [Bldg. Use 1 - Gymnasium]	1140	0.0	19.8	0.048	0.052
Door 4: Insulated Metal, Swinging, [Bldg. Use 1 - Gymnasium]	21	---	---	0.200	0.610
SOUTH					
South Wall - Right Side: Metal Building Wall, Single Layer Mineral Fiber (compressed at girt), [Bldg. Use 1 - Gymnasium]	2062	0.0	19.8	0.048	0.052
Window 1: Metal Frame/Fixed, Perf. Specs.: Product ID NA, SHGC 0.25, [Bldg. Use 1 - Gymnasium] (b)	12	---	---	0.450	0.380
Window 2: Metal Frame/Fixed, Perf. Specs.: Product ID NA, SHGC 0.25, [Bldg. Use 1 - Gymnasium] (b)	12	---	---	0.450	0.380
Window 3: Metal Frame/Fixed, Perf. Specs.: Product ID NA, SHGC 0.25, [Bldg. Use 1 - Gymnasium] (b)	12	---	---	0.450	0.380
Door 3: Insulated Metal, Swinging, [Bldg. Use 1 - Gymnasium]	42	---	---	0.200	0.610
WEST					
West Wall - Front Elevation: Steel-Framed, 16" o.c., [Bldg. Use 1 - Gymnasium]	1140	19.0	3.8	0.077	0.064
Door 1 - Entrance: Glass (> 50% glazing)/Nonmetal Frame, Entrance	43	---	---	0.450	0.770

Project Title: NEILL'S CREEK BAPTIST CHURCH
 Data filename: G:\My Drive\2019 Project Folders\2019-025 - Neill's Creek Baptist Church Fellowship Hall, 4200 Neill's Creek Road, Angier (G. Leonard Johnson - Construction Committee Chair)
 Report date: 02/11/20
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Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor _{min}
Door, Perf. Specs.: Product ID NA, SHGC 0.25, PF 1.30, [Bldg. Use 1 - Gymnasium] (b)					

- (a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
- (b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
- (c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.
- (d) Thermal spacer block with minimum R-3.5 must be installed above the purlin/batt, and the roof deck secured to the purlins.

Envelope PASSES: Design 1% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2015 IECC requirements in COMcheck Version null and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

TONY JOHNSON, ARCHITECT
 Name - Title: _____ Signature:  Date: 02/11/2020

REVISIONS	

NEILL'S CREEK BAPTIST CHURCH
FELLOWSHIP HALL
ANGIER, NORTH CAROLINA

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DATE 02-06-2020

SHEET
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