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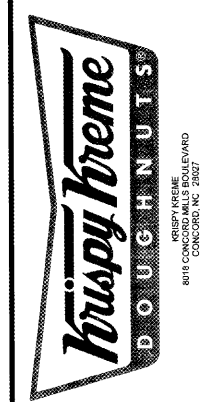
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project no. | KRKNS0002

owner



project info

CONCORD
NORTH CAROLINA

issue dates

submission: Date
OWNER/LL REVIEW 11/01/2018
BID SET 11/01/2018
PERMIT SET 11/01/2018

revisions:

Description Date

seal



NOV 02 2018

sheet info
ARCHITECTURAL
ENERGY
COMPLIANCE
FORMS
A801

COMcheck Software Version 4.1.0.0
Envelope Compliance Certificate

Section 1: Project Information
Energy Code: 2012 North Carolina Energy Conservation Code
Project Title: Krispy Kreme Concord
Project Type: New Construction
Certification Title: Chartered Agent
Client: Krispy Kreme Doughnut Corp.
Address: 270 Sunburst Street, Winston-Salem, NC 27103, 336-733-2745
Designer/Contributor: WD Partners, 7015 Discovery Blvd, Durham, NC 27717, 919-487-9000, dhd@wdpartners.com

Section 2: Envelope Assemblies and Requirements Checklist

Component Name/Description	Gross Area of Partition	U-Value	Req. U-Value	Proposed U-Value	Budget U-Value
Orientation: NORTH					
Exterior Wall 1: Steel-Framed, 18" o.c., [Bldg. Use 1 - Krispy Kreme Interior]	1578	18.0	0.0	0.111	0.064
Window: Metal Frame Curtain Wall/Storefront, Part. Specs., Product ID No. SH-GC 0.23, [Bldg. Use 1 - Krispy Kreme Interior] (3)	162	---	---	0.290	0.450
Window: Metal Frame Curtain Wall/Storefront, Part. Specs., Product ID No. SH-GC 0.23, [Bldg. Use 1 - Krispy Kreme Interior] (6)	89	---	---	0.260	0.430
Window: Metal Frame Curtain Wall/Storefront, Part. Specs., Product ID No. SH-GC 0.23, [Bldg. Use 1 - Krispy Kreme Interior] (3)	80	---	---	0.290	0.490
Orientation: EAST					
Exterior Wall 2: Steel-Framed, 18" o.c., [Bldg. Use 1 - Krispy Kreme Interior]	727	18.0	0.0	0.111	0.064
Window: Metal Frame Curtain Wall/Storefront, Part. Specs., Product ID No. SH-GC 0.23, [Bldg. Use 1 - Krispy Kreme Interior] (3)	152	---	---	0.290	0.430
Window: Metal Frame Curtain Wall/Storefront, Part. Specs., Product ID No. SH-GC 0.23, [Bldg. Use 1 - Krispy Kreme Interior] (3)	165	---	---	0.290	0.450
Door 1: Glass (50% glazing) Metal Frame, Entrance Door, Part. Specs., Product ID No. SH-GC 0.23, [Bldg. Use 1 - Krispy Kreme Interior] (3)	25	---	---	0.260	0.770
Orientation: SOUTH					
Exterior Wall 3: Steel-Framed, 18" o.c., [Bldg. Use 1 - Krispy Kreme Interior]	1454	18.0	0.0	0.111	0.064
Window: Metal Frame Curtain Wall/Storefront, Part. Specs., Product ID No. SH-GC 0.23, [Bldg. Use 1 - Krispy Kreme Interior] (3)	80	---	---	0.290	0.450
Window: Metal Frame Curtain Wall/Storefront, Part. Specs., Product ID No. SH-GC 0.23, [Bldg. Use 1 - Krispy Kreme Interior] (3)	165	---	---	0.260	0.450
Window: Metal Frame Curtain Wall/Storefront, Part. Specs., Product ID No. SH-GC 0.23, [Bldg. Use 1 - Krispy Kreme Interior] (3)	80	---	---	0.290	0.490

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Orientation: WEST

Exterior Wall 4: Steel-Framed, 18" o.c., [Bldg. Use 1 - Krispy Kreme Interior]	406	18.0	0.0	0.111	0.064
Window: Metal Frame Curtain Wall/Storefront, Part. Specs., Product ID No. SH-GC 0.23, [Bldg. Use 1 - Krispy Kreme Interior] (3)	55	---	---	0.290	0.450
Window: Metal Frame Curtain Wall/Storefront, Part. Specs., Product ID No. SH-GC 0.23, [Bldg. Use 1 - Krispy Kreme Interior] (3)	85	---	---	0.260	0.770
Door 2: Glass (50% glazing) Metal Frame, Entrance Door, Part. Specs., Product ID No. SH-GC 0.23, [Bldg. Use 1 - Krispy Kreme Interior] (3)	26	---	---	0.500	0.700
Door 3: Glass (50% glazing) Metal Frame, Entrance Door, Part. Specs., Product ID No. SH-GC 0.23, [Bldg. Use 1 - Krispy Kreme Interior] (3)	65	---	---	0.153	0.900
Orientation: UNSPECIFIED ORIENTATION					
Roof 1: Insulation/Gypsum Board Deck, [Bldg. Use 1 - Krispy Kreme Interior]	3767	---	25.0	0.050	0.038
Roof 2: Insulation/Gypsum Board Deck, [Bldg. Use 1 - Krispy Kreme Interior]	355	---	---	---	---

As Required U-Values are used for software baseline calculations. All U-Values are not listed requirements.
If Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.

Air Leakage, Component Certification, and Vapor Retarder Requirements:

- All gaps and penetrations are caulked, gasketed or covered with a moisture vapor-permeable wrapping material installed in accordance with the manufacturer's installation instructions.
 - Weather, doors, and windows certified as meeting leakage requirements.
 - Component R-Values & U-Values verified as certified.
 - No roof insulation is installed on a suspended ceiling with removable ceiling panels.
 - Other penetrations have supporting documentation for proposed U-Values.
 - Penetrations protected per manufacturer's instructions, is substituted listed with the surface being penetrated, and in a manner that achieves the total R-value without compromising the installation.
 - Shell walls, storage tanks and elevators integral to the building envelope are equipped with insulated dampers.
- Exceptions:
- Roofings without low slope sections.
 - Roofing except eaves in the eave area.
 - Garage doors and loading dock doors are weather sealed.
 - Roofing lighting fixtures installed in the building envelope are Type IC rated per meeting ASTM E2981, are sealed with gasket or caulk.
 - Roofing weather doors have a weather equipped with self-closing device.
 - Roofing penetrations with revolving doors.
 - Doors not required to be used as a building entrance.
 - Doors that open directly from a space less than 2000 sq. ft. in area.
 - Doors used primarily as loading vehicles, materials or materials handling and adjacent personnel doors.
 - Doors opening directly from a storage/retail area.
 - Roofings less than four stories above grade and less than (2,000) sq. ft. in area.

Additional Efficiency Package Requirements:

- The product's energy lighting power option has been selected as the additional efficiency package required by the energy code. Requirements for this package are applied to the exterior lighting phenomenon calculations. Full compliance with the efficiency option requires inspection and verification that the lighting fixture appearance and fixture schedule listed in the lighting fixture schedule and approved to list.

Section 3: Compliance Statement

Compliance Statement: The prepared envelope design, as indicated in this report, is consistent with the building code, specifications and other conditions submitted with this permit application. The prepared envelope design has been designed to meet the 2012 North Carolina Energy Conservation Code requirements in published version 4.1.0.0. It is to comply with the mandatory requirements in this document. Designated:

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