



City of Florence Insulation and Fenestration Installation

324 West Evans Street

Florence SC 29501

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Owner/Builder /Contractor

Description of Work:

Project Address:

Tax Map:

Square Footage:

Complete all information on forms. Mark Not Applicable if an area is not included in the construction.

Building envelope tightness and insulation installation shall be verified by one of the following methods:

Visual Inspection _____ Blower Door _____

All six forms shall be included and completed if the visual inspection method is implemented. This form shall be required at final inspection and meet the requirements of the 2009 IECC. Examples of air leakage locations are listed below:

Areas below tubs and showers	Utility penetrations	Voids between framing
Insulate around attic doors	Weather-strip attic doors	Seal around supply and returns
Seal around recessed lighting	Garage separation	Crawl Space walls
Fireplace walls	Plumbing and electrical	Slab sole plate

BUILDING COMPONENT	VALUE	COMPLETE "C"	NOT APPLICABLE "NA"	COMMENTS
SPRAY FOAM INSULATION				MANUFACTURES INSTALLATION INSTRUCTION REQUIRED
WOOD BURNING FIREPLACE				COMBUSTION AIR AND SEALED DOORS
ADDITION OVER EXISTING CONCRETE PORCH	R-19			ADD INSULATION TO EXISTING FLOOR SYSTEM
ATTIC ACCESS AND DOORS	R-30			INSULATED AND WEATHERSTRIP INSTALLED
CIRCULATING HOT WATER PIPING	R-2			SHALL HAVE AUTOMATIC OR ACCESSIBLE CONTROLS
SUNROOM WALLS	R-13			ALL SPACES SHALL BE INSULATED EQUAL TO EXTERIOR WALLS
SUNROOM CEILING	R-19			INSTALL SEPARATE HVAC SYSTEMS
BASEMENT WALLS	R-13			
VAULTED CEILING	R-30			FULL DEPTH INSULATED REQUIRED
BLOWN CEILING INSULATION	R-30			INSTALLER IDENTIFICATION REQUIRED MARKER EVERY 300 SQUARE FEET
INSULATION LABELED				LABELED INSULATION REQUIRED OF INSTALLED R-VALUE
CRAWL SPACE WALLS	R-5			NONVENTED ONLY – SEE CODE REQUIREMENTS FOR CRAWL SPACE VENTING
WATER HEATER	EF			TEMPERATURE LIMIT OF 120 DEGRESS
FLOORS	R-19			INSTALLED ACCORDING TO MANUFACTURES INSTRUCTION
WALLS	R-13			INSTALLED ACCORDING TO MANUFACTURES INSTRUCTION
CEILING	R-30			INSTALLED ACCORDING TO MANUFACTURES INSTRUCTION

BUILDING COMPONENT	VALUE	COMPLETE "C"	NOT APPLICABLE "NA"	COMMENTS
HEATING & COOLING SYSTEM				SIZE PER ACCA MANUAL J AND S
DUCT SEALING	CFM			SIZE PER ACCA MANUAL J AND S
DUCT INSULATION	R-8 ATTIC R-6 OTHER			
MECHANICAL PIPING	R-3			REFRIGERANT GAS LINES
THERMOSTAT				ONE THERMOSTAT FOR EACH SYSTEM
PROGRAMMED THERMOSTAT				70 DEGRESS FOR HEATING 78 DEGRESS FOR COOLING
HEAT PUMP/HEAT STRIPS				
CONDITIONED SUN-ROOM				SEPARATE ZONE OR EQUIPMENT
OUTDOOR INTAKES & EXHAUST DAMPERS				AUTOMATIC OR GRAVITY DAMPERS FOR EXTEROR EXHAUST
MANUFACTURES INSTRUCTION FOR EQUIPMENT				CONTRACTOR SHALL PROVIDE FOR ALL EQUIPMENT
RECESSED LIGHTING	IC			SEAL AROUND RECESSED LIGHTING LABEL<2.0 CFM LEAKAGE AT 75 Pa
HIGH EFFICIENCY LAMPS				50 PERCENT SHALL BE HIGH EFFICIENCY
WINDOW U-FACTOR	U-0.5			15 SQUARE FOOT PER UNIT ALLOWED TO BE EXEMPT
NON TYPICAL WINDOW	U-0.5			
DOOR U-FACTOR	U-0.5			UP TO 24 SQFT CAN BE EXEMPTED
NON TYPICAL DOOR	U-0.5			

BUILDING COMPONENT	VALUE	COMPLETE "C"	NOT APPLICABLE "NA"	COMMENTS
WINDOWS SHGC	SHGC-0.30			15 SQUARE FOOT PER UNIT ALLOWED TO BE EXEMPT
DOOR SHGC	SHGC-0.30			15 SQUARE FOOT PER UNIT ALLOWED TO BE EXEMPT
U-FACTOR & SHGC VALUES				NATIONAL FENESTRATION RATING COUNCIL
REPLACEMENT WINDOWS AND DOORS	U-0.5 SHGC-0.30			WINDOW REPLACEMENT SHALL MEET ALL ENERGY REQUIREMENTS
SKYLIGHT	U-0.65 SHGC-0.30			
SUNROOM	U-0.5 SHGC-0.30			ALL SPACES SHALL BE INSULATED EQUAL TO EXTERIOR WALLS
FENESTRATION WHICH LACKS AT LABEL				DEFAULT TABLES 303.1.3(1)-303.1.3(3)
NON SITE BUILT FENESTRATION				SHALL MEET AAMA/WDMA/CSA

HVAC SYSTEM EQUIPMENT

Heating System HSPF/AFUE _____

Heating System Additional Equipment _____

Cooling System Seer _____

Cooling System Additional Equipment _____

HVAC equipment shall be sized per ACCA Manual S based on loads per ACCA Manual J. HVAC load calculations shall be required at rough in. Duct seal testing shall be required for duct outside of conditioned space. Duct blaster testing is required for all duct work and is required at the rough in or final inspection stage.

Building Component	Criteria	Complete "C"	Not Applicable "NA"
Air and Thermal Barrier	Voids or gaps between building framing shall be sealed. Breaks or joints shall be repaired		
Ceiling/Attic	All voids or gaps between ceiling and attics shall be filled.		
Walls	Corners and headers are insulated Junction of foundation and sill plate is sealed.		
Windows and Doors	Space between window/door jambs and framing is sealed		
Rim Joist	Rim Joist are insulated		
Floors	Shall be secure to the subfloor decking		
Crawl Space Walls	Insulation shall be secured to the walls		
Shaft and penetrations	Seal around openings and penetrations		
Narrow cavities	All insulation shall be cut to fit voids in framing		
Garage Separation	Seal all areas between garage and conditioned space		
Recessed Lighting	All lighting shall be IC rated and sealed at voids		
Plumbing and Electrical	Insulate around PVC piping and behind electrical junction boxes and cut to fit at around conductors		
Tubs and Showers	Insulate behind tubs and showers at exterior walls		
Junction boxes at exterior walls	Insulate behind all junction boxes at exterior walls.		
Common Wall	Insulate and seal areas between dwelling units		
HVAC Registers	Seal around HVAC registers at subfloor and drywall		
Fireplace	Insulate around fireplace walls and chimney and duct penetrations		

Name of Evaluator _____

Inspection Dates _____

Foundation Inspection Date: _____

Rough in Inspection Date: _____

Final Inspection Date: _____

Duct Test at Rough In: _____

Duct Test at Final _____

Provide other information where an insulation or air barrier test has been performed:

Verify Method Performed	
Visual Inspection Method	Blower Door Test

Visual Inspection Test Provider _____

Blower Door Test Provider _____

Thermal Insulation Installer _____ License# _____

I confirm all information listed on this document is true. All inspections performed meet the requirements of the 2009 International Energy Conservation Code

Print Name _____

Signature _____

Date _____