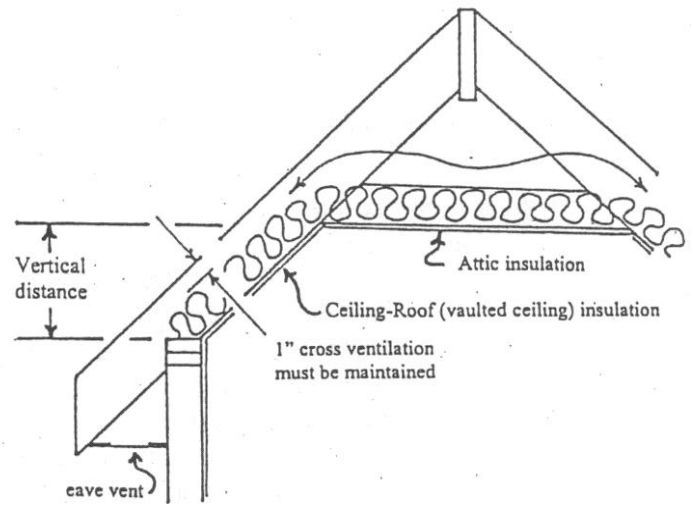




4-15-02

Residential Energy Code Check Sheet

(one- and two-family dwellings, townhouses) FW IRC Ch 11



Address: _____

Permit #: _____

choose one

Conventional Method

Insulation	Inspection
Ceiling-Attic	R-30 _____
Ceiling-Roof	R-30 ^{1,2} _____
Walls	R-13 _____
Skylight Shaft	R-13 _____
Floors	R-11 _____
Crawl Space	R-6 _____

Glazing ³	Max 15% ⁵	_____
HVAC		
Split system	10.0 SEER	_____
Single package	9.7 SEER	_____

Glazing ³	-----	→
HVAC		
Split system	-----	→
Single package	-----	→

Glazing ³	-----	→
HVAC		
Split system	-----	→
Single package	-----	→

All options	Glazing	U-factor ⁴	Max 0.65	_____
		Solar heat gain ⁴	Max 0.40	_____
	Doors	U-factor	Max 0.35	_____

COG Alternate Method

Inspection
R-38 _____
R-22 ² _____
R-13 _____
R-13 _____
R-19 _____

Glazing Options

choose one

<input type="checkbox"/> Max 15%	_____
10.0 SEER	_____
9.7 SEER	_____

<input type="checkbox"/> Max 20%	_____
12.0 SEER.	_____
12.0 SEER	_____

<input type="checkbox"/> Max 25%	_____
14.0 SEER.	_____
14.0 SEER	_____

¹ When vertical distance of a corner cut is 24" or less may be R-22.

² Must maintain the 1" ventilation area without compressing the insulation. May require a larger framing member. When the COG Ceiling-Roof alternative is used for R-22 insulation, the area of the vaulted ceiling cannot exceed 1/3 the total ceiling area.

³ Area of all rough openings for glass window and doors, measured using the inside dimensions of the rough framing dimension before any curbing, sash, trim or framing are installed; except that for doors with less than 50% glazing, it shall be the dimension of the rough opening cut in the door instead of the dimension of the entire door opening.

⁴ Includes skylights, glass doors and glass in doors. Up to 1% may be exempt from the U-factor, Section N1102.3. SHGC may be a weighted average.

⁵ For townhouses, max 25%

Residential Inspection Schedule

At Rough Mechanical

Duct insulation

- inside the building but outside the conditioned area
- outside the building
- ducts inside the building but outside the conditioned area require a vapor retarder of 0.05 perm, or aluminum foil of 2 mils
- joints and seams of approved mastics, tapes or other approved material (mastic is encouraged, "duct tape" that is not labeled as UL 181, is not permitted)

Insuection

R - 5 _____
 R - 8 _____

Piping insulation

- AC line (fluid temp range 40-55 "F) .

3/4" _____

At Rough Electrical

- Recessed light fixtures in ceiling/attic separation -Type IC sealed, or in gypsum box, or as per ASTM E 283 (see IECC Section 502.1.3)
- Sealed electrical boxes in the ceiling/attic separation

At Framing

- Confirm window and door rough openings match approved plans

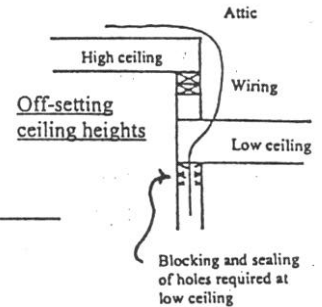
Insulation Inspection

(This is an extra inspection that must be called after the framing inspection and after insulation is installed, but before any gyp board is installed.)

- Penetrations (plumbing, electrical, HVAC, etc.) in top and bottom plates, and penetrations in the exterior weather barrier are sealed with foam or other approved sealant to prevent transfer of air with exterior, attic or under floor space

- Check all insulation that will be concealed, e.g. wall, floor, vaulted ceiling, and lightshafts 12" or more in depth, etc. for compliance with the R values required

- Check glazing NFRC stickers for UF and SHGC ratings (Skylight stickers or certification letters to be attached to a kitchen stud.)
- Check door UF stickers (or use default IECC Table 102.5.2(2))
- One door is exempt from U-factor, Section N1102.1.3



At Final

- Weather stripping of doors, windows or other penetrations
- Attic door, hatch or pull down stair that separates attic space from conditioned air must be insulated.
- Check HVAC equipment size and ratings (outside unit is permitted to not be set until occupancy occurs).
- Attic insulation for correct Rvalue.

(Blown-in insulation requires a certification stating the R-value. Initial installed thickness stated in 1" high numbers, settled thickness, coverage area, and number of bags of insulating material. Certificate to be attached to truss, rafter, or joist near the attic access.)

Caution

- Care should be given to the installation of boot in the ceiling, wall or floor envelope. Failure to seal properly will result in backdraft of conditioned air.

