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2015 IECC Code Checklist for Prescriptive Method

Project: Columbine Cabin Addition
Address: 27315 Home Ranch Road
Routt County
Colorado, 80487

This is an addition to a cabin that was built to existing codes at the time of construction. The owners will strive to update and improve the existing portion of the building. All new construction will conform to the current code requirements.

Programmable Thermostats are specified
HRV and/or ERV ducts will be insulated to R-8 in attics and dropped ceilings
All duct penetrations will be sealed with spray foam
The hot water boiler shall be programmed with outdoor temperature setback and the existing heat system will be upgraded.
All mechanical system piping shall be jacketed with R-3 minimum insulation
There will be no recirculation or heat trace systems in this building
Hot water piping to be jacketed as specced above (R-3 min.)
HRV or ERV ventilation must be provided
No multiple dwelling units
No snowmelt
No pool, but a freestanding hot tub will be installed
All equipment is to be efficiently sized per Section R403.7 and M1401.3
Vapor retarder is to be achieved with "Zip system" exterior and spray foam at the interior of new exterior walls to a minimum of 2"

2015 IECC Code Checklist for Prescriptive Method, Columbine Cabin, Continued

Windows and exterior doors shall be certified U-0.32 or better

No skylights

Ceiling insulation at new roof R-49 minimum

Framed new exterior walls shall be insulated with R-21 and R-5 min thermal break

No 2X4 exterior walls

New concrete walls at lower level to be insulated with R-15 minimum

Concrete slab at garage is to be on 6 mil poly vapor barrier and insulated with rigid foam: R-10 minimum

Crawlspaces to be insulated with R-15 foil faced rigid foam board

All windows and exterior doors are to be spray foam sealed

Air leakage will be blower door tested and mitigated before final acceptance

Fireplaces are self-contained, sealed gas manufactured units

All light fixtures in this structure shall be LED or other high efficiency or low voltage products

Boiler and or any other gas burning appliances in this building will not have continuously burning pilot lights.

It is mandatory that all Electrical, Mechanical and other Contractors employed on this project procure proper permits and conform to all current Code requirements.

