



## Conejos County Building Department Checklist for RESIDENTIAL CONSTRUCTION

Project Address: \_\_\_\_\_ Date: \_\_\_\_\_

Property Owner Name: \_\_\_\_\_

Applicant Name and Role: \_\_\_\_\_

### **THIS CHECKLIST MUST BE COMPLETED & SUBMITTED WHEN FILING A PERMIT APPLICATION.**

- 1. Application form (Apply Online) [www.conejoscounty.colorado.gov](http://www.conejoscounty.colorado.gov)**
- Completed application form listing contractor details and project description
- 2. Proof of Ownership (if not current owner of record on Assessor Map)**  
Deed or notarized development authorization from owner of record
- 3. One set of complete Construction Drawings -Digital Plans acceptable. (PDF)**  
**(Stamped plans from a Colorado licensed design professional are required for timber frame, structural steel, alternative construction, and sidewalls over 11'7" in height)**  
Must be legible and to scale and 11"x17" minimum size
  - Foundation Plan:** Footing layout, wall layout/detail, pad/pier layout/details. Show size and reinforcing and foundation hold down
  - Floor Plan:** Dimensioned plan for each floor that includes room sizes and uses
  - Floor Framing Plan:** Include column sizes and locations, joist sizes and spacing, manufacturer and series, all beam/header sizes, framing around floor openings and stairways, and hanger specs. Include similar details for deck framing.
  - Wall Framing Plan:** Stud size and spacing, all header sizes lengths and support framing, wall bracing elements, and exterior shear. *See IRC R602*
  - Roof Framing Plan:** Rafter size and spacing, ceiling joist size and spacing, ridge beam size, supporting beams and hanger details. Trusses must be engineered, and layout and plans provided with application. Stamped truss plans must be onsite at framing inspection.
  - Elevations:** Drawn to scale views of each side, show final grade
  - Details and Tables:** Provide drawings or tables to illustrate the following:
    - Section view drawing of footing and foundation wall with reinforcing size and placement, insulation location and R-value, and depth from final grade to bottom of footing.
    - Anchor bolt sizing and spacing
    - Wall stud sizing and spacing
    - Crawlspace wall and attic insulation
    - Wall section drawing showing exterior finish & sheathing, insulation materials and R-Values, interior finishes
    - Thermal envelope – show both elevation/side view AND overhead/floorplan view
    - Barriers- indicate location and materials for water resistive barrier, air barriers, and vapor barriers
    - Flashing details per IRC R703.4, including Window Flashing details
  - Window & Door Schedules:** Manufacturer details including U-factor
  - Energy Code Compliance:** Complete checklist for IECC compliance
    - Include ResCheck or other documentation if appropriate

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- 4. Site plan (Must be legible)**
  - Site orientation (North arrow)
  - Show and label roads and streets and Location of the driveway
  - Parcel Number or Address
  - Location, shape and size of proposed construction
  - Show the dimensions from proposed construction to property boundaries.
  - Location and size of existing structures and the distance between them
  - Show the utility service location (gas, water, and electrical) **CALL 811 for locates**
  - Show the location of the wells and septic systems
  
- 5. Engineered Truss Drawings**

Truss Layout and complete set of drawings provided with plans See Conejos County Design Criteria for snow and wind loads Stamped truss plans must be on site at Framing Inspection
  
- 6. Proof of Adequate Water Supply (CHECK ONE)**
  - Well Permit from (DWR) No. \_\_\_\_\_
  - Approval letter from Municipality/town
  
- 7. Proof of Sanitary Sewer**
  - Existing OWTS (Note that additions require evaluation inspection and probable upgrade)
  - New/Repair OWTS Permit #: \_\_\_\_\_
  - Municipality/town
  
- 8. Copy of Home Owners Association Approval**

HOA Letter of Approval



# SLV Submittal Documents for 2018

## Residential IECC Compliance Paths

### Xcel Energy's Building Codes Support Program

#### Construction Documents Required for Every Submittal Regardless of Compliance Path

1. Insulation materials and their R-values
2. Fenestration U-factors and SHGC
3. Area-weighted U-factors and SHGC calculations (If applicable)
4. Air sealing details to verify compliance with Table R402.4.1.1
5. Building thermal envelope depicted
6. Flashing detail as required by the IRC 703.4 and IBC 1404.4
7. Window flashing details
8. Mechanical and service water heating system and equipment types, sized and efficiencies
9. Equipment and system controls
10. Duct sealing, duct and pipe insulation, and location
11. Mechanical system design criteria *(Begins in Phase 2)*
12. Provide an ACCA Manual J or other approved calculations for heating and/or cooling loads *(Begins in Phase 2)*
13. Provide an ACCA Manual S for equipment sizing *(Begins in Phase 2)*
14. Provide an ACCA Manual D for duct design *(Begins in Phase 2)*
15. Documentation for mechanical ventilation, type of ventilation, CFM, and efficiency. *(Begins in Phase 2)*





# SLV Submittal Documents for 2018

## Residential IECC Compliance Paths

### Xcel Energy's Building Codes Support Program

#### Residential - Prescriptive

##### R-value Alternative

1. Provide R-value of insulation in the thermal envelope that shows compliance with Table R402.1.2.
2. Provide U-factor of fenestration in the thermal envelope that shows compliance with Table R402.1.2
3. Documentation for energy conservation measures for service water heating. *(Begins in Phase 2)*
4. Documentation that shows 90% of all lighting is high efficacy.

##### U -factor Alternative

1. Documentation of the wall, floor, ceiling/roof assemblies U-Factor values by component and as an assembly demonstrating the assembly that represents the thermal envelope meets the requirements of the U-Factor Table R402.1.4 in Chapter 4.
2. Documentation for energy conservation measures for service water heating. *(Begins in Phase 2)*
3. Documentation that shows 90% of all lighting is high efficacy.

##### Total UA Alternative (REScheck)

1. Provide an area-weighted U-Factor report; The thermal envelope must show the location of insulation. The wall assembly that represents the thermal envelope must meet the requirements of the U-Factor table shown in Chapter 4. The UA calculation must be performed using a method consistent with ASHRAE.
2. Documentation for energy conservation measures for service water heating *(Begins in Phase 2)*
3. Documentation that shows 90% of all lighting is high efficacy.

