



San Juan County
Community Development & Planning

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2006 PRFSCRI	N. V.
2006 RESIDENTIAL ENERGY PRESCRIPTIVE COMPILIANCE FORM	135 Rhone Street P.O. Box 947 Friday Harbor, WA 98250 (360) 378-2354 (360) 378-2116 Fax (360) 378-3922 www.sanjuanco.com

PRESCRIPTIVE REQUIREMENTS : FOR GROUP R-3 OCCUPANCY
CLIMATE ZONE 1

RESIDENTIAL COMPLIANCE UNLIMITED GLAZING 0.350.58 0.20 R-38 R-30 Well Above¹² Grade R-21 Well Int⁴ Below Grade R-21 Well Eat Greate R-10 with Section 601.1* R-30

(SEE OTHER SIDE FOR SECTIONS WITH ASTERICKS * *****)

PROJECT WILL MEET ALL OTHER PROVISIONS OF THE WSEC AND VIA Q CODES.
PLEASE SIGN: IF YOUR PROJECT IS IN COMPLIANCE WITH THE ABOVE TABLE: "RESIDENTIAL COMPLIANCE UNLIMITED GLAZING"

IF NOT: OTHER OPTIONS: (A.) ENERGY FORM FOR GLAZING 10% OR LESS

(B.) COMPONENT ENERGY FORM

(C.) COMPUTER APPROACH.

CALPAS 3 --- DOE 2 --- F-LOAD --- MICROPAS --- SUNDAY (ACCEPTABLE SYSTEMS ANALYSIS SOFTWAR

• FORMS FOR OPTIONS A & B AVAILABLE UPON REQUEST

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Unlimited Glazing.doc

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R-10 *SECTION 601.1 For wood frame assemblies, the building envelope requirements of this chapter may be met by installing one of the prescriptive packages in Table 6-1. Installed components shall meet the requirements of Section 602. Compliance with nominal R-values shall be demonstrated for the thermal resistance of the added insulation in framing cavities and/or insulated sheathing only and shall not inclu thermal transmittance of other building materials or air films, but shall permit interruption by occasional framing members. Other than wood frame assemblies with continuous insulation uninterrupted by framing shall also be allowed to comply with nominal Rvalues.

**The following table shows typical insulation requirements for a single rafter joist.

(If the table notes R-38, then R-38 is required) Nominal Actual

8 1/4" 10 1/4" 13 1/4" R-30 HD² R-38 Over 500 SF R-value Note 1 R-38 HD² R-38

***SECTION 602.2 Exterior Walls Both Above and Below Grade:
Above grade exterior walls shall be insulated to not less than the nominal R-value specified in Table 6-1 as applicable. The following walls should be considered to meet R-21 without additional documentation:

1. 2 x 6 framed and insulated with R-21 fiberglass batts.

2. 2 x 4 framed and insulated with R-15 fiberglass batts plus R-5.0 foam sheathing.

3. 2 x 4 framed and insulated with R-15 fiberglass batts plus R-5.0 foam sheathing.

****SECTION 602.4 Slab-on-Grade Floors: Slab-on-grade floors shall be insulated along their perimeter to not less than the nominal R-values specified for slab-on-grade floors in Table 6-1 as applicable. Slab insulation shall be installed in compliance with Section 502.1.4.8. See Chapter 5, Section 502.1.4.9, for additional requirements for radiant slab heating.

SECTION 502.1.4.8 Slab-On-Grade: Slab-on-grade insulation, installed inside the foundation wall, shall extend downward from the top of the slab for a minimum distance of 24 inches or downward and then horizontally beneath the slab for a minimum combined distance of 24 inches. Insulation installed outside the foundation shall extend downward to a minimum of 24 inches or to the frost line. Above grade insulation shall be protected. EXCEPTION: For monolithic slabs, the insulation shall extend downward from the top of the slab to the bottom of the footing.

SECTION 502.1.4.9 Radiant Slabs: The entire area of a radiant slab shall be thermally isolated from the slab soil with a minimum of R-10 insulation. The insulation shall be an approved product for its intended use. to insulation

Upsize joist or provide an alte Refers high density fiberglass 9 1/2" 11 7/8" 14" 16" 8 1/2" 10 7/8" 13" batt or equiv R-30 HD² R-30 R-38 R-38

Щ A <u>Z</u> MNT701 w 8'-0" T.O. BEAM

SECTION

WALL SECTION
SCALE: 3/4"=1'-0"

4

08/03/09

DHD ROOM

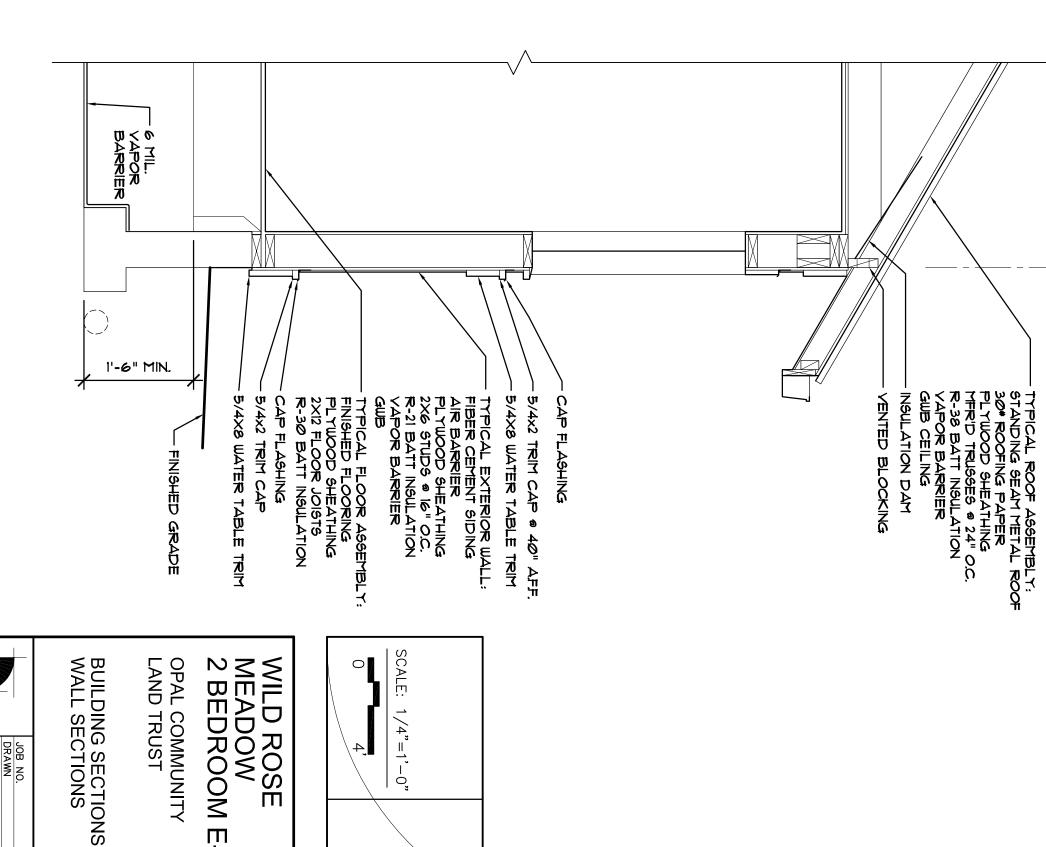
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8'-1<mark>3</mark>" T.O. PLATE

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A take off noting rafter area will be required



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E-W



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