

<b>JOB INFORMATION</b>						<b>OWNER</b>					
Name:						Name:					
Address:						Address:					
City:			State:		Zip:	City:			State:		Zip:
Phone:			County			Phone:			Fax:		
E-mail:											
<b>ARCHITECT/ENGINEER</b>						<b>APPLICANT/CONTRACTOR</b>					
Name:						Name:					
Address:						Address:					
City:			State:		Zip:	City:			State:		Zip:
Phone:			Fax:			Phone:			Fax:		
<b>LOCAL GOVERNMENT</b>											
<input type="checkbox"/> Zoning <input type="checkbox"/> DEQ <input type="checkbox"/> Other											
<b>MINIMAL PLAN REQUIREMENTS CHECKLIST:</b>											
	<b>Need</b>	<b>OK or N/A</b>	<b>Plan Requirements - All Structures</b>								
1	<input type="checkbox"/>	<input type="checkbox"/>	Two complete sets of plans, photocopy or blueprint (no pencil)								
2	<input type="checkbox"/>	<input type="checkbox"/>	Plans drawn to scale (minimum 1/8" per foot, minimum 8.5" x 11")								
<b>Site plan - All structures</b>											
3	<input type="checkbox"/>	<input type="checkbox"/>	North arrow, lot dimensions, setbacks (existing and proposed), all public or private easements								
4	<input type="checkbox"/>	<input type="checkbox"/>	Structure dimensions								
5	<input type="checkbox"/>	<input type="checkbox"/>	Site elevation at corners or contour information (for drainage review)								
6	<input type="checkbox"/>	<input type="checkbox"/>	Existing public and private utilities located on property								
7	<input type="checkbox"/>	<input type="checkbox"/>	Names of all adjacent streets								
<b>Structural plans - housing</b>											
8	<input type="checkbox"/>	<input type="checkbox"/>	Floor plan: <input type="checkbox"/> first (lower) level <input type="checkbox"/> second (upper) level								
9	<input type="checkbox"/>	<input type="checkbox"/>	Foundation plans (with square footage including garage) for additional increase								
10	<input type="checkbox"/>	<input type="checkbox"/>	Floor framing: <input type="checkbox"/> first (lower) leve <input type="checkbox"/> second (upper) level								
11	<input type="checkbox"/>	<input type="checkbox"/>	Roof framing or truss layout								
12	<input type="checkbox"/>	<input type="checkbox"/>	Cross sections, exterior elevations								
13	<input type="checkbox"/>	<input type="checkbox"/>	Plumbing fixture and HVAC layout								
14	<input type="checkbox"/>	<input type="checkbox"/>	Type of heat: Gas F/A:                      Electrical (type):                      A/C:								
15	<input type="checkbox"/>	<input type="checkbox"/>	Insulation - energy conservation path:								
<b>If applicable</b>											
16	<input type="checkbox"/>	<input type="checkbox"/>	Soils information: 1000 psf                      Other:								
17	<input type="checkbox"/>	<input type="checkbox"/>	Structural details								
18	<input type="checkbox"/>	<input type="checkbox"/>	Structural calculations								
19	<input type="checkbox"/>	<input type="checkbox"/>	Wind load calculations								
20	Y	N	Will you have a temporary service for your new dwelling?								
<b>Garage/carport</b>											
21	<input type="checkbox"/>	<input type="checkbox"/>	Foundation/floor framing plan (slab, post and beam, or joist with sizing and spacing)								
22	<input type="checkbox"/>	<input type="checkbox"/>	Ceiling/roof framing plan or truss layout with reactions								
23	<input type="checkbox"/>	<input type="checkbox"/>	Window sizes, header sizes								
24	<input type="checkbox"/>	<input type="checkbox"/>	Electrical, plumbing, and gas layout								
25	<input type="checkbox"/>	<input type="checkbox"/>	Construction details (structural members, sheathing, roofing, bracing, dimensions, cross section, and elevations)								
<b>Deck - 30 inches or more above grade</b>											
26	<input type="checkbox"/>	<input type="checkbox"/>	Foundation/floor framing plan (slab, post and beam, or joist with sizing and spacing)								
27	<input type="checkbox"/>	<input type="checkbox"/>	Cross section with connections								
28	<input type="checkbox"/>	<input type="checkbox"/>	Stair, guardrail, handrail detail								

**MINIMAL PLAN REQUIREMENTS CHECKLIST:**

	Need	OK or N/A	Plan Requirements - All Structures
<b>Awnings/patio covers - over 200 square feet</b>			
29	<input type="checkbox"/>	<input type="checkbox"/>	Foundation/floor framing plan (slab, post and beam, or joist with sizing and spacing)
30	<input type="checkbox"/>	<input type="checkbox"/>	Ceiling/roof framing plan or truss layout with reactions, Header sizes
31	<input type="checkbox"/>	<input type="checkbox"/>	Construction details (structural members, sheathing, roofing, bracing, dimensions, cross section, and elevations)
<b>Jurisdictional - Specific Requirements</b>			
32	<input type="checkbox"/>	<input type="checkbox"/>	
33	<input type="checkbox"/>	<input type="checkbox"/>	
34	<input type="checkbox"/>	<input type="checkbox"/>	
35	<input type="checkbox"/>	<input type="checkbox"/>	
36	<input type="checkbox"/>	<input type="checkbox"/>	
37	<input type="checkbox"/>	<input type="checkbox"/>	
38	<input type="checkbox"/>	<input type="checkbox"/>	
39	<input type="checkbox"/>	<input type="checkbox"/>	
40	<input type="checkbox"/>	<input type="checkbox"/>	
41	<input type="checkbox"/>	<input type="checkbox"/>	
42	<input type="checkbox"/>	<input type="checkbox"/>	

Applicant: \_\_\_\_\_ Date: \_\_\_\_\_

### RESIDENTIAL INFORMATION

Date: \_\_\_\_\_ Building permit number: \_\_\_\_\_  
Owner's name: \_\_\_\_\_  
Job address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

### INSTRUCTIONS

**Please select type of construction below; sign, date, and complete the entire form. Submit this form with your permit application or your project will be placed on hold until the required information is provided.**

☐ **New construction.** All conditioned spaces within residential buildings must comply with Table N1101.1(1) and two additional measures (one numbered and one lettered) from Table N1101.1(2) on page 2.

**Additions.** Additions to existing buildings or structures may be made without making the entire building or structure comply if the new additions comply with the requirements of this chapter. (N1101.3)

☐ **Large additions.** Additions that are equal to or more than 40 percent of the existing building heated floor area or 600 square feet (55 m<sup>2</sup>) in area, whichever is less, must comply with Table N1101.1(2) on page 2. (N1101.3.1) *(Note: You must select one numbered and one lettered measure.)*

☐ **Small additions.** Additions that are less than 40 percent of the existing building heated floor area or less than 600 square feet in area, whichever is less, must select one measure from Table N1101.1(2) on page 2 or comply with Table N1101.3 below. (N1101.3.2)

☐ **Exception:** Additions that are less than 15 percent of existing building heated floor area or 200 square feet (18.58 m<sup>2</sup>) in area, whichever is less, are not required to comply with Table N1101.1(2) or Table N1101.3.

**Selected item number:** \_\_\_\_\_ **Selected item letter:** \_\_\_\_\_  
*Note: Depending on which Additional Measures you have selected, there may be sub-options that you will have to specify. Check the appropriate box if provided.*

Applicant's signature: \_\_\_\_\_ Print name: \_\_\_\_\_

### TABLE N1101.3 – SMALL ADDITION ADDITIONAL MEASURES (SELECT ONE)

<input type="checkbox"/>	1	Increase the ceiling insulation of the existing portion of the home as specified in Table N1101.2.
<input type="checkbox"/>	2	Replace all existing single-pane wood or aluminum windows to be U-value as specified in Table N1101.2.
<input type="checkbox"/>	3	Insulate the floor system as specified in Table N1101.2 and install 50 percent of permanently installed lighting fixtures as CFL or linear fluorescent or min. efficacy of 40 lumens per watt as specified in Section N1107.2.
<input type="checkbox"/>	4	Test the entire dwelling with blower door and exhibit no more than 7.0 air changes per hour @ 50 Pascals.
<input type="checkbox"/>	5	Seal and performance test the duct system.
<input type="checkbox"/>	6	Replace existing 78 percent AFUE or less gas furnace with a 92 percent AFUE or greater system.
<input type="checkbox"/>	7	Replace existing electric radiant space heaters with a ductless mini-split system with a minimum HSPF of 8.5.
<input type="checkbox"/>	8	Replace existing electric forced air furnace with an air source heat pump with a minimum HSPF of 8.5.
<input type="checkbox"/>	9	Replace existing water heater for a natural gas/propane water heater with a minimum EF of 0.67.
<input type="checkbox"/>	10	Install a solar water heating system with a minimum of 40 square feet of gross collector area.

**TABLE N1101.1(2) ADDITIONAL MEASURES**

<input type="checkbox"/>	<b>1</b>	<b>High-efficiency walls and windows:</b> Exterior walls-U-0.047/R-19+5 (insulation sheathing)/SIPS, and one of the following options: <input type="checkbox"/> Windows – Max 15 percent of conditioned area, or <input type="checkbox"/> Windows – U-0.30
<input type="checkbox"/>	<b>2</b>	<b>High-efficiency envelope:</b> Exterior walls – U-0.058/R-21 Intermediate framing, and Vaulted ceilings – U-0.033/R-30A <sup>d,e</sup> , and Flat ceilings – U-0.025/R-49, and Framed floors – U-0.025/R-38, and Windows – U-0.30; and <input type="checkbox"/> Doors – All doors U-0.20, or <input type="checkbox"/> Additional 15 percent of permanently installed lighting fixtures as high-efficacy lamps or <input type="checkbox"/> Conservation Measure D and E
<input type="checkbox"/>	<b>3</b>	<b>High-efficiency ceiling, window and duct sealing (Cannot be used with Conservation Measure E)</b> Vaulted ceilings – U-0.033/R-30A <sup>d,e</sup> , and Flat ceiling – U-0.025/R-49, and Windows – U-0.30, and Performance tested duct systems <sup>b</sup>
<input type="checkbox"/>	<b>4</b>	<b>High-efficiency thermal envelope UA:</b> Proposed UA is 15 percent lower than the Code UA when calculated in Table N1104.1(1)
<input type="checkbox"/>	<b>5</b>	<b>Building tightness testing, ventilation and duct sealing:</b> A mechanical exhaust, supply, or combination system providing whole-building ventilation rates specified in Table N1101.1(3), or ASHRAE 62.2, and The dwelling must be tested with a blower door and found to exhibit no more than <input type="checkbox"/> 1.6.0 air changes per hour <sup>f</sup> , or <input type="checkbox"/> 2.5.0 air changes per hour <sup>f</sup> when used with Conservation Measure E, and Performance tested duct systems <sup>b</sup>
<input type="checkbox"/>	<b>6</b>	<b>Duct tested HVAC systems within conditioned space: (Cannot be used with Conservation Measure B or C)</b> All ducts and air handler are contained within building envelope <sup>g</sup>
<input type="checkbox"/>	<b>A</b>	<b>High-efficiency HVAC system:</b> <input type="checkbox"/> Gas-fired furnace or boiler with minimum AFUE of 90 percent a, or <input type="checkbox"/> Air-source heat pump with minimum HSPF of 8.5 or <input type="checkbox"/> Closed-loop ground source heat pump with minimum COP of 3.0
<input type="checkbox"/>	<b>B</b>	<b>Ducted HVAC systems within conditioned space:</b> All ducts and air handler are contained within building envelope <sup>g</sup>
<input type="checkbox"/>	<b>C</b>	<b>Ductless heat pump:</b> Replace electric resistance heating in at least the primary zone of dwelling with at least one ductless mini-split heat pump having a minimum HSPF of 8.5. Unit must not have integrated backup resistance heat, and the unit (or units, if more than one is installed in the dwelling) must be sized to have capacity to meet the entire dwelling design heat loss rate at outdoor design temperature condition. Conventional electric resistance heating may be provided for any secondary zones in the dwelling. A packaged terminal heat pump (PTHP) with comparable efficiency ratings may be used when no supplemental zonal heaters are installed in the building and integrated backup resistance heat is allowed in a PTHP
<input type="checkbox"/>	<b>D</b>	<b>High-efficiency water heating and lighting:</b> Natural gas/propane, on-demand water heating with min EF of 0.80, and A minimum 75 percent of permanently installed lighting fixtures as CFL or linear fluorescent or a minimum efficacy of 40 lumens per watt as specified in Section N1107.2 <sup>c</sup>
<input type="checkbox"/>	<b>E</b>	<b>Energy management device and duct sealing</b> Whole building energy management device that is capable of monitoring or controlling energy consumption, and Performance tested duct systems <sup>b</sup> , and A minimum 75 percent of permanently installed fixtures as high efficacy lamps
<input type="checkbox"/>	<b>F</b>	<b>Solar photovoltaic:</b> Minimum 1 watt/sq. ft. conditioned floor space <sup>h</sup>
<input type="checkbox"/>	<b>G</b>	<b>Solar water heating:</b> Minimum of 40 ft <sup>2</sup> of gross collector area <sup>h</sup>

For SI: 1 square foot = 0.093 m<sup>2</sup>, 1 watt per square foot = 10.8 W/m<sup>2</sup>.

a. Furnaces located within the building envelope must have sealed combustion air installed. Combustion air must be ducted directly from the outdoors.

b. Documentation of Performance Tested Ductwork must be submitted to the building official upon completion of work. This work must be performed by a contractor certified by the Oregon Department of Energy's (ODOE) Residential Energy Tax Credit program and documentation must be provided that work demonstrates conformance to ODOE duct performance standards.

c. Section N1107.2 requires 50 percent of permanently installed lighting fixtures to contain high efficacy lamps. Each of these additional measures adds an additional percent to the Section N1107.2 requirement.

d. A = advanced frame construction, which must provide full required ceiling insulation value to the outside of exterior walls.

e. The maximum vaulted ceiling surface area must not be greater than 50 percent of the total heated space floor area unless vaulted area has a U-factor no greater than U-0.026.

f. Building tightness test must be conducted with a blower door depressurizing the dwelling 50 Pascals from ambient conditions. Documentation of blower door test must be submitted to the Building Official upon completion of work.

g. Solar electric system size must include documentation indicating that Total Solar Resource Fraction is not less than 75 percent.

h. Solar water heating panels must be Solar Rating and Certification Corporation (SRCC) Standard OG-300 certified and labeled, with documentation indicating that Total Solar Resource Fraction is not less than 75 percent.

i. A total of 5 percent of an HVAC systems ductwork must be permitted to be located outside of the conditioned space. Ducts located outside the conditioned space must have insulation installed as required in this code.

The Building Code requires the exterior walls of structures regulated by the Oregon Residential Specialty Code (with the exception of non-habitable accessory structures) be constructed in such a way that any water entering the wall assembly from the exterior can drain out. This form is intended to identify under which provision of the code your project will meet the requirements for enhanced drainage at the exterior walls. Applicants are asked to complete this form by selecting which provision of the code their project meets and providing the required submittal information associated with that requirement either on this form or as part of the construction documents.

The code section outlining exterior wall envelope requirements (R703.1.1) is included on the other side of this sheet, and the code in its entirety can be viewed on the BCD website at [www.bcd.oregon.gov](http://www.bcd.oregon.gov).

Choose One	Code Section	Code Requirement	Information Required as Part of Submittal
<input type="checkbox"/>	R703.1.1	1/8" (3 mm) space between water resistive barrier (as required in R703.2) and the exterior veneer along with integrated flashings (as required in R703.8). Required space to be formed by the use of any non-corrodible furring strip, drainage mat or drainage board.	Water Resistive Barrier (specify product(s)):  Exterior Veneer(s):  Furring Material (specify product(s)):
<input type="checkbox"/>	Exception 1	Exterior veneer installed over a water-resistive barrier complying with section R703.2 meeting the 75% drainage efficiency requirement of ASTM E2273.	Water-Resistive Barrier (specify product(s)):  Exterior Veneer(s):
<input type="checkbox"/>	Exception 2	All window sills equipped with pan flashings which drain to the exterior surface of the veneer in a through wall fashion. Pan flashings shall be of either a self-adhering membrane complying with AAMA 711-07, a corrosion-resistant material, or combination thereof.	If electing for this exception, provide complete construction details for all window pan flashing conditions in construction documents.  Pan Flashing Material(s):
<input type="checkbox"/>	Exception 3	Exterior veneer manufactured in a manner to enhance drainage and meets the 75% drainage efficiency requirement of ASTM E2273 and is installed over a water resistive barrier complying with section R703.2.	If electing for this exception, provide complete manufacturer's data, include testing information, illustrating compliance with ASTM E2273. Provide complete construction details for exterior veneer in construction documents.  Water Resistive Barrier (specify product(s)):
<input type="checkbox"/>	Exception 4	Exterior veneer is matching an existing exterior finish as in additions, alterations or repairs.	If electing for this exception, new work must be in the same plane as existing. Illustrate this condition in construction documents.
<input type="checkbox"/>	Exception 5	Walls are of concrete or masonry construction designed in accordance with Chapter 6 and flashed according to section R703.7 or R703.8	If electing for this option, provide complete construction details for exterior wall construction illustrating compliance with applicable code sections.
<input type="checkbox"/>	Exception 6	Exterior wall envelope as designed has been demonstrated to resist wind-driven rain through testing of the exterior wall envelope, including joints, penetrations and intersection with dissimilar materials, in accordance with ASTM E 331.	See R703.1.1 Exception 6 for specific testing requirements. If electing for this exception, provide testing data and complete exterior envelope design details with construction documents.

The undersigned attests to the fact they are aware of the exterior wall envelope requirements of R703.1.1. Further, the undersigned hereby assures the project associated with this submittal document will be constructed in conformance with the code provision(s) selected above and all other associated code provisions applicable to exterior wall construction. If the exterior wall envelope design approved as part of the permit documents is altered or amended during the course of construction, the undersigned will obtain approval of the Lane County Building Program prior to proceeding with work.

Applicant or Owner Name \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_

Permit No. \_\_\_\_\_



**Excerpt from 2008 Oregon Residential Specialty Code Section R703, Exterior Covering:**

**R703.1.1 Exterior Wall Envelope.** To promote building durability, the exterior wall envelope shall be installed in a manner that water that enters the assembly can drain to the exterior. The envelope shall consist of an exterior veneer, a water-resistive barrier as required in R703.2, a minimum 1/8 inch space between the water-resistive barrier and the exterior veneer, and integrated flashings as required in R703.8. The required space shall be formed by the use of any non-corrodible furring strip, drainage mat or drainage board. The envelope shall provide proper integration of flashings with the water-resistive barrier, the space provided and the exterior veneer. These components, in conjunction, shall provide a means of draining water that enters the assembly to the exterior.

**Exceptions:**

1. A space is not required where the exterior veneer is installed over a water-resistive barrier complying with section R703.2 which is manufactured in a manner to enhance drainage and meets the 75% drainage efficiency requirement of ASTM E2273 or other recognized national standards.
2. A space is not required where window sills are equipped with pan flashings which drain to the exterior surface of the veneer in a through wall fashion. All pan flashings shall be detailed within the construction documents and shall be of either a self-adhering membrane complying with AAMA 711-07 or of an approved corrosion-resistant material or a combination thereof. Self-adhering membranes extending to the exterior surface of the veneer shall be concealed with trims or other measures to protect from sunlight.
3. A space is not required where the exterior veneer is manufactured in a manner to enhance drainage and meets the 75% drainage efficiency requirements of ASTM E2273 or other recognized national standards and is installed over a water resistive barrier complying with section R703.2.
4. A space is not required where the exterior veneer is matching an existing exterior finish as in additions, alterations, or repairs.
5. A water-resistant exterior wall envelope shall not be required over concrete or masonry walls designed in accordance with Chapter 6 and flashed according to section R703.7 or R703.8.
6. Compliance with the requirements for a means of drainage, and the requirements of Section R703.2 and Section R703.8, shall not be required for an exterior wall envelope that has been demonstrated to resist wind-driven rain through testing of the exterior wall envelope, including joints, penetrations and intersections with dissimilar materials, in accordance with ASTM E 331 under the following conditions:
  - 6.1. Exterior wall envelope test assemblies shall include at least one opening, one control joint, one wall/eave interface and one wall sill. All tested openings and penetrations shall be representative of the intended end-use configuration.
  - 6.2. Exterior wall envelope test assemblies shall be at least 4 feet by 8 feet in size.
  - 6.3. Exterior wall assemblies shall be tested at a minimum differential pressure of 6.24 pounds per square foot.
  - 6.4. Exterior wall envelope assemblies shall be subjected to a minimum test exposure duration of 2 hours.

The exterior wall envelope design shall be considered to resist wind-driven rain where the results of the testing indicate that water did not penetrate: control joints in the exterior wall envelope; joints at the perimeter of openings penetration; or intersections of terminations with dissimilar materials.