



# Remodel Certification Checklist

Remodel Line Item	Possible Points		Points
<b>ONE-STAR REQUIREMENTS</b> This level of certification is no longer available.			
<b>TWO-STAR REQUIREMENTS</b> (80 points minimum for small remodel; 100 points minimum for remodels that include an addition)			
	required	All ★ items plus orientation	★
	required	Attend a Built Green™ approved workshop within past 12 months prior to certification	★
	required	Achieve a minimum of 15 points in each category	★
	required	Perform a Built Green energy retrofit using the energy retrofit worksheet	
<b>THREE-STAR REQUIREMENTS</b> (150 points minimum for remodel; 180 points minimum for remodels that include an addition)			
	required	Meet 2-Star requirements	★
	required	Perform an energy retrofit resulting in whole building energy performance equal to code (exception: walls must be R-13 or better)	★
	required	Achieve a minimum of 20 points in each category	★
<b>FOUR-STAR REQUIREMENTS</b> (250 points minimum for remodel; 280 points minimum for remodels that include an addition)			
	required	Meet 3-Star requirements plus point minimum	★
	required	Achieve a minimum of 25 points in each category	
	required	3 <sup>rd</sup> party verification required (See reference)	★
Site & Water	required	No copper on external structure of building (See action item 1-15)	★
Site & Water	required	Landscape with plants appropriate for site topography and soil types, emphasizing use of plants with low watering requirements [drought tolerant] (See action item 14-15).	★
Site & Water	required	Select Bathroom Faucets with GPM Less than Code (See action item 8-9)	★
Energy	required	Final project must perform 15% above energy code or equivalent with approved performance scoring tool	★
IAQ	required	Use only low-VOC/low-toxic interior paints and finishes for all surface areas (including doors, windows, trim) (See action item 13-35)	★
IAQ	required	Use effective ventilation with approved method after each new interior finish is applied (See action item 13-38)	★
Materials	required	Use a minimum of 6 different materials with recycled content anywhere in project	★
	required	<b>Choose one of the following:</b>	★
IAQ		Provide built in walk-off matt and shoe storage area (See action item 1-44)	★
IAQ		Use plywood and composites of exterior grade or with no added urea formaldehyde in both subflooring and cabinetry (See action items 4-4 and 13-27)	★
IAQ		Train subs in implementing a healthy building job-site plan for the project (See action item 2-15)	★
IAQ		Use high efficiency pleated filter of MERV 12 or better, or HEPA (See action item 7-26)	★
IAQ		Install sealed combustion heating and hot water equipment (See action item 7-29)	★
<b>FIVE-STAR REQUIREMENTS</b> (400 points minimum for remodel; 430 points minimum for remodel that includes an addition)			
	required	Meet 4-Star requirements plus point minimum	★
	required	Achieve a minimum of 40 points in each category	
Site & Water	required	Amend disturbed soil with compost to a depth of 10 to 12 inches to restore soil environmental functions (See action item 14-5)	★
Site & Water	required	Use pervious materials for at least one-third of total area for driveways, walkways, and patios	★
Site & Water	required	Reduce existing turf grass by 50% or more and replace with drought tolerant or native landscaping (See action item 14-13)	★
Site & Water	required	Preserve existing native vegetation as landscaping	★
Site & Water	required	Retain 30% of trees on site	★
Energy	required	Minimum R-26 wall	★
Energy	required	Use NFRC certified windows with a U-factor of 0.32 or better for new or replaced windows (See action item 5-1)	★
Energy	required	Use advanced framing: 24-in OC for all new walls and 2-stud corners (See action item 1-50)	★
Energy	required	Pre-wire or pre-install conduit for future photovoltaic use (See action item 9-20)	★
Energy	required	Install a 70% minimum of hard-wired fluorescent fixtures (See action item 9-15)	★
Energy	required	Alternate: In Lieu of above energy requirements demonstrate home energy performance 30% beyond code per action item or equivalent with approved performance scoring tool.	★
IAQ	required	Detached or no garage, or garage air-sealed from house with automatic exhaust fan (See action item 1-33)	★
Materials	required	Achieve a minimum recycling rate of 70% of waste by weight (See action item 2-1)	★
Materials	required	Use a minimum of 10 different materials with recycled content anywhere in project	★
<b>CODES &amp; REGULATIONS</b>			
Req	required	Meet Washington state water use efficiency standards	★
Req	required	Meet stormwater/site development standards	★
Req	required	Meet Washington state energy code	★
Req	required	Meet Washington state ventilation/indoor air quality code	★
Req	required	Provide owner with operations and maintenance kit	★
Req	required	Prohibit burying construction waste	★
Req	required	Do not dispose of topsoil in lowlands or wetlands	★
Req	required	When construction is complete, leave no part of the disturbed site uncovered or unstabilized	★
Req	required	Dispose of non-recyclable hazardous waste at legally permitted facilities	★
Req	required	Prepare a waste reduction and jobsite recycling plan, and post on site	★
Req	required	2 - 3 Stars: Install CO detector (hardwire preferred) for all houses with a combustion device or attached garage	★
Req	required	4 - 5 Stars: Install CO detector (hardwire required) for all houses with a combustion device or attached garage	★
Req	required	Follow "best practices" for removal/disposal of asbestos-containing materials	★
Req	required	Follow "best practices" for removal/disposal of lead-containing materials	★
<b>LEGEND OF ENVIRONMENTAL CATEGORIES</b>			
	Site and Water Environmental Category		
	Energy Efficiency Environmental Category		
	Indoor Air Quality Environmental Category		
	Materials Efficiency Environmental Category		
<b>SECTION ONE: DESIGN</b>			
Water/Site			

1-1	5	Develop comprehensive site assessment and plan (submitted to Built Green)
1-2	5	Develop comprehensive water assessment and plan (submitted to Built Green)
1-3	5	No increase to the existing building footprint
1-4	4	Retain 100 % of existing healthy trees on site
1-5	2	If Building Near Wetlands, Shorelines, Bluffs, and Other Critical Areas, Preserve & Protect Beyond Code
1-6	2	If building in an Environmentally Critical Area, build away from the protected area.
1-7	3-10	Use Low Impact Foundation System, Such as PIN Systems or Post and Pier, for at least 50% of the Foundation
1-8	10	Design to effectively infiltrate all storm water on site with zero runoff
1-9	4	Install a water management system that allows groundwater to recharge
1-10	3	Reduce existing impervious hardscape surfaces by 50% or more
1-11	7	Eliminate all impervious surfaces outside building footprint
1-12	5-15	Install a vegetated roof system of at least 200 sq. feet to reduce impervious surface (e.g. Green-Roof)
1-13	3	Install strategies to move rainwater effectively away from foundation (see handbook for details)
1-14	1	New roofs are pitched properly
1-15	1	No copper on external structure of building
<b>Energy Conservation</b>		
1-16	5	Home performance test prior to initiation of construction
1-17	10-70	Model energy improvements beyond code and a reduction in space conditioning energy using approved modeling software
1-18	3	Use airtight building method, such as SIP, ICF, or Strawbale
1-19	2	Do not install skylights
1-20	1	Centrally locate heating / cooling system to reduce the size of the distribution system
1-21	2	Use clerestory for natural lighting in addition/remodel
1-22	2	Use light tubes for natural lighting and to reduce electric lighting
1-23	6-12	Passive solar design, basic/advanced features installed
1-24	3	Model solar design features using approved modeling software
1-25		Use building and landscaping plans that reduce heating/cooling loads naturally
1-26	10	Solar water heating system sized to provide a minimum of 40% hot water designed energy use
1-27	5-25	House powered by photovoltaics
1-28	5-25	Install innovative non-solar renewable power systems that produce a minimum of 15%, 30%, or 50% of the house's total annual energy
1-29	50	Build a zero net energy home that draws zero outside power or fuel on a net annual basis
1-30	5	Assist homeowners with chemical sensitivities to identify preferred IAQ measures and finishes
1-31	5	Project team member to have taken Built Green/ALA of Washington "Health House Professional Training" Course, or other approved IAQ class with 8 hours of curriculum minimum
1-32	2-6	Optimize air quality in family bedrooms to basic or advanced level (perform all measures listed in handbook for basic or advanced level)
1-33	5	Detached or no garage, or garage air-sealed from house with automatic exhaust fan
1-34	7	Completely condition crawlspace
1-35	2	Roof overhangs are at least 24" inches
1-36	2	Protect windows and doors on tall walls with additional overhang protection
1-37	3	Design and install moisture management details for all new or replaced below grade walls beyond code, such as dimple drainage mat at exterior face and capillary breaks
1-38	2	If installing new slab on grade, upgrade under slab moisture barrier beyond code to 10 mil minimum; minimum of 10 mil poly in crawl spaces with sealed seams and sealed perimeter
1-39	4	Remove existing wood burning fireplace and do not replace
1-40	3	Do not install a wood-burning fireplace inside house
1-41	2	Do not install gas-burning appliances inside of house
1-42	5	Provide balanced or slightly positive indoor pressure using controlled ventilation
1-43	2	Provide for cross ventilation using operable windows in addition/remodel
1-44	3	Design a shoe removal vestibule at major entrances to house (front, back, garage)
1-45	5	Develop a comprehensive waste management plan for demolition and new construction waste
1-46	3	Develop a written comprehensive reuse plan and/or invite company/contractor to perform a re-use audit
1-47	5,7,9	Design and build for deconstruction
1-48	1	Use stacked floor plans
1-49	3	Use engineered structural products and use no new dimensional 2xs larger than 2x8, and no 4xs larger than 4x8
1-50	3	Use advanced framing: 24-in OC for all new walls and 2-stud corners
1-51	2-5	If adding a garage, minimize garage size
1-52	2	Do not install food garbage disposal
1-53	1	Install materials with at a 50 year life cycle; minimum of 5 finish applications
1-54	1	Reuse windows (excluding single-pane)
1-55	2	Reduce Interior Walls Through Open Plan for Kitchen, Dining, and Living Areas
1-56	3	Install a special bike storage area or other design features to encourage bike ownership & use
1-57	10	Add a permitted accessory dwelling unit or living quarters
1-58	4	Provide a new covered front porch of at least 50 square feet
<b>SECTION TWO: OPERATIONS</b>		
<b>Recycling and Materials</b>		
2-1	Req	Prepare a waste reduction and jobsite recycling plan, and post on site
2-2	2-20	Use deconstruction to dismantle existing building(s) for reuse
2-3	3	Enroll the project in the local utility's renewable energy program
2-4	1	Use suppliers who offer reusable/recyclable or no packaging for major materials
2-5	1-3	Use suppliers that operate a "take back" program
2-6	2	Require subcontractors and contractor's employees to participate in waste reduction efforts
2-7	1	Sell or donate wood scraps
2-8	5	Purchase used or salvaged building materials for your job; minimum of 5 applications
2-9		Recycle by source separation with an 85% minimum recycling rate (applies to all demolition waste that is appropriate for recycling and all new construction waste):
2-9h	4	Asphalt roofing
2-9i	1	Carpet padding and upholstery foam
2-9j	2	Glass
2-9k	2	Land clearing and yard waste, soil and sod
2-10		Send at least 85% of jobsite waste (by weight, excluding concrete) to a commingle recycling facility with a:
2-10a	5	50% recycling rate
2-10b	10	75% recycling rate
2-10c	20	90% recycling rate
2-11	1	Install materials with longer life cycles

2-12	2-6	Install locally produced and sourced materials; minimum of 5 applications
2-13	4	Use no pressure treated lumber
<b>Health and Air Quality</b>		
2-14	1	Provide weather protection for stored materials
2-15	4	Train subs in implementing a healthy building job-site plan for the project
2-16	1	Educate workers and subs in using VOC-safe masks when applying VOC containing wet products and N-95 dust masks when generating dust
2-17	2	No use of unvented combustion heaters during construction
2-18	3-5	Take measures during construction operations to avoid moisture problems later
2-19	2	Protect exterior building components from water or moisture damage; address any existing problems
2-20	2	Use a non-toxic mold inhibitor to prevent future mold
2-21	2	Clean ductwork and furnace thoroughly at job completion
2-22	1	Use low toxic cleaners
<b>SECTION THREE: SITE/FOUNDATION</b>		
	<b>Req</b>	Follow jobsite waste reduction and recycling plan
3-1	1-5	Use alternative fuel equipment on-site (5 Points for 100% excavation equipment using alternative fuel, 1 point for any additional vehicle frequently on site)
<b>Site Preservation</b>		
3-2	1	Use compost or wood chips to stabilize disturbed slopes
3-3	1	Take extra care to establish and maintain a single stabilized construction entrance (quarry spall or crushed rock) or use existing driveway
3-4	3	Preserve existing native vegetation as landscaping (excluding trees)
3-5	2	Take extra precautions to protect trees during construction
3-6	5	Bring in a consulting arborist to evaluate tree protection on-site and carry out instructions
3-7	1	Locate dumpster drop to minimize site impact
3-8	1	Wash out concrete trucks in slab or pavement subbase areas
3-9	3	Establish and post clean up procedures for spills to prevent illegal discharges. Conduct sub-contractor orientation to promote good jobsite housekeeping and reduce hazardous waste issues.
3-10	3	If disturbing top soil, set aside and protect for re-use on site
3-11	2	Construct tire wash, establish and post clean up protocol for tire wash
3-12	1	Grade to drain away from home
3-13	2	No clearing or grading during wet weather months (Oct. 31 to April 1)
<b>Foundations</b>		
3-14	5	Use fly ash or blast furnace slag for 25% by weight of cementitious materials for all concrete (20% for flat work)
3-15	1	Use recycled concrete, asphalt, or glass cullet for base or fill for new foundation; minimum of 35%
3-16	2	Install working vent system to eliminate potential moisture, methane, and radon problems in crawl space or under slabs on grade
3-17	2	Install a minimum of R-10 rigid Insulation beneath any slabs on grade for additions
3-18	2	Design foundation slabs to double as a finished floor
3-19	2	Use less toxic form releasers
3-20	2	Perform calcium chloride moisture test on all new slabs on grade prior to installing any finish flooring in conformance with product warranties
3-21	3	Comprehensive crawl space improvement
<b>SECTION FOUR: FRAMING</b>		
	<b>Req</b>	Follow jobsite waste reduction and recycling plan
4-1	1	Use energy heels of 6 in. or more on trusses to allow added insulation over top plate
4-2	1	Addition wrapped with an exterior air infiltration barrier to manufacturer's specifications
<b>Air Quality</b>		
4-3	2	Inside the house, use only low-VOC, low-toxic, water-based, solvent-free sealers, caulks, adhesives for framing
4-4	3	Use plywood and composites of exterior grade or with no added urea formaldehyde (for subfloor use)
4-5	2	Have crawl space, attic, and garage building performance tested for disconnection to the living space of house
<b>Resource Conservation</b>		
4-6	3	Provide (to framer) and use layout and cut plan
4-7	1	Use central cutting area or cut packs
4-8	2	Reuse lumber
4-9	3	Use no endangered wood species
4-10	3	Use environmentally preferable products with third-party certification, minimum of three applications (excluding carpet and wood)
4-11	1-5	Use salvaged lumber (1 point for every 500 board feet)
4-12	3	Use urban or forest salvaged lumber, minimum 200 board feet
4-13	3	Use finger-jointed framing material (e.g. plates and studs); minimum of 500 board feet
4-14		Use third-party certified sustainably harvested wood (Tier levels outlined in the handbook):
4-14a	7	Dimensional lumber, Tier 1; 50% minimum (of non-salvaged)
4-14b	1	Dimensional lumber, Tier 2
4-14c	5	Sheathing, Tier 1; 50% minimum
4-14d	1	Sheathing, Tier 2
4-14e	3	Beams, Tier 1; 50% minimum
4-14f	1	Beams, Tier 2
4-15	3	Use 100% Recycled-Content HDPE, Salvaged Lumber or Lumber that is Third-Party Certified Sustainably Harvested Wood that Meets the Tier 1 Requirements Outlined in the Handbook for Decking and Porches
4-16	1	Use Recycled-Content Sub-Floor
<b>Framing Alternatives</b>		
4-17	3	Use factory framed wall panels (panelized wall construction) for all new walls
<b>Moisture Control</b>		
4-18	1-6	For any newly sided wall install a capillary break between siding/trim and building paper or house wrap (1 point per every 200 sf)
4-19	2-8	Install a sloped sill pan with end dams and back dams for windows, and back dams for all exterior doors exposed to the weather
4-20	3	Install metal flashing at all windows and at heads of all doors
4-21	3	Hose test first installed windows to verify resistance to wind driven rain
4-22	3	Envelope inspection by a qualified professional prior to installing insulation
<b>SECTION FIVE: WINDOWS</b>		
	<b>Req</b>	Follow jobsite waste reduction and recycling plan
5-1	3	Use NFRC certified windows with a U-factor of 0.32 or better for new or replaced windows
5-2	4	If replacing windows no vinyl windows
5-3	3	Use wood/composite or fiberglass windows
5-4		Use wood windows that are third-party certified sustainably harvested wood that meet:

5-4a	4	Tier 1 requirements (As outlined in handbook)
5-4b	1	Tier 2 requirements (As outlined in handbook)
<b>SECTION SIX: ROOFING</b>		
	<b>Req</b>	Follow jobsite waste reduction and recycling plan
6-1	1	New roofs are flashed properly
6-2	3	Use SIP Structurally Insulated Panels for all new roofing
6-3	2	Use light colored roofing
6-4	2	Use recycled-content roofing material for new/replaced roofing
6-5	4	Install a metal, tile, concrete or slate roof
<b>SECTION SEVEN: HVAC</b>		
	<b>Req</b>	Follow jobsite waste reduction and recycling plan
<b>Design</b>		
7-1	5	Locate heating / cooling equipment, ducts and the distribution system inside the conditioned space
7-2	5	Size heating/cooling system to 130% using manual J or D, or other approved software (REM,Rate, Energy Gauge, HVI duct plan)
7-3	3-4	Select high efficiency heat pumps instead of electric heat (0.85-0.9)
7-4	10	Install geothermal heat pumps
7-5	5	Convert home heating system to natural gas
7-6	2	No air conditioner
7-7	1	Balance airflow system based on filter being used
<b>Energy Efficiency</b>		
7-8	3	"Tune up" HVAC system(s) as outlined in handbook
7-9	3	Select Energy Star® heating/cooling equipment or documented equivalent
7-10	2-3	If installing a furnace, install with a variable speed fan (Extra points for ECM)
7-11	2	Install power venting for combustion furnaces and water heating equipment (cannot be taken in addition to action item 7-29)
7-12	2	Retrofit existing wood fireplace with EPA certified fireplace insert
7-13	3	Install an AFUE rated sealed combustion direct vent natural gas hearth product as part of an integrated heating system
7-14	3	Install a heat recovery ventilator
7-15	5 or 10	Install hydronic heating systems, point range based on boiler efficiency
7-16	3	Install individual thermostatically controlled zones for radiant systems
<b>Ductwork</b>		
7-17	2-4	Install only rigid ductwork
7-18	2	Create individual return pathways for air in bedrooms
7-19	2	If existing duct insulation is less than R-6, insulate ducts to R-11
7-20	4	Use advanced sealing of all ducts using low-toxic mastic (including existing ductwork, new ductwork, and furnace box)
7-21	1	No Sound Insulation or Other Fibrous Materials Installed Inside Ducting
7-22	1	Install ducting/damper for fresh air intake
<b>Air Quality</b>		
7-23	5	Properly install a hybrid heating system
7-24	2	Do not install electronic, metal mesh, horse hair, or non-pleated fiberglass filters
7-25	1	Use medium efficiency pleated filter, MERV 10
7-26	5	Use high efficiency pleated filter, MERV 12 or better, or HEPA
7-27	1	Install furnace and/or duct-mounted air cleaner or high efficiency air filter (non-electronic)
7-28	1	Install exhaust fans in room where office equipment is used
7-29	3	Install sealed combustion heating and hot water equipment
7-30	1	Install central vacuum, exhausted to outside
<b>Testing</b>		
7-31	3,5,7	Performance test ducts for air leakage meets third-party review and certification achieving less than 10%, 6%, or 3% loss of floor area to total flow
7-32	1	Flow test all fans in the house
7-33	1	Limit kitchen exhaust fan to 300 CFM maximum (unless you have appropriate make up air or doesn't depressurize building more than 2 pascals and fan is 2.5 sones or less)
<b>SECTION EIGHT: PLUMBING</b>		
	<b>Req</b>	Follow jobsite waste reduction and recycling plan
<b>Design</b>		
8-1	2	Plumb for graywater or rain water for irrigation
8-2	3	Stub-in plumbing to use greywater or rainwater for toilet flushing
8-3	10	Use Graywater or rainwater for internal potable water substitute
8-4	2	Install water heater inside the heated space (electric, direct vent, or sealed venting only)
8-5	2	Use a recirculating pump with a "home run" manifold water pipe configuration
8-6	1	Remove existing undersink garbage disposal
8-7	1	Install floor drain or catch basin with drain under washing machine and/or water heater
<b>Fixtures/Water Efficiency</b>		
8-8	1	Reuse plumbing fixtures that meet or can be modified to meet code
8-9	1	Select Bathroom Faucets with GPM Less than Code
8-10	1	Select Kitchen Faucets with GPM Less than Code
8-11	2-5	Select low flow shower heads (1.6 gpm or better) for primary bathroom
8-12	2-8	Install dual flush or flush star qualified toilet
8-13	10	Install composting toilets
8-14	2	Locate water heater within 20 pipe feet of highest use
<b>Water Quality</b>		
8-15	3	Install a whole house water filter system
8-16	1	Install showerhead filter
8-17	1	If installing water filter at sink, select one with biodegradable carbon filter
8-18	3	Use no PVC piping for plumbing
<b>Energy Efficiency</b>		
8-19	1	Insulate all hot water pipes and install cold inlet heat traps on hot water heater
8-20	1	If not replacing, inspect and insulate existing hot water heater
8-21	2	Upgrade electric water heater to air to water heat pump or de-superheater on central pump system with an EF of 10.9 or greater
8-22	2	Replace electric water heater with Energy-Star rated water heating equipment
8-23	2-7	Upgrade gas or propane water heater efficiency to EF 0.62, 0.83, or 0.90
8-24	4	Install tankless water heater that meets an energy factor of 0.83
8-25	1	Install a timer to regulate standby hot water loss in water heater
8-26	1	Install small diameter PEX pipe
8-27	1	Drainwater heat recovery system (DHR)
8-28	2	Install on-demand point-of use hot water supply
<b>Solar</b>		
8-29	2	Pre-plumb for solar water heater

SECTION NINE: ELECTRICAL		
	Req	
		Follow jobsite waste reduction and recycling plan
<b>Energy Controls</b>		
9-1	1-2	Install thermostat with on/off-switch or smart timer for furnace fan to circulate air
9-2	2	Install programmable thermostats and pre-program
9-3	3	Install timer control integrated with thermostat on continually running HRV
9-4	1	Use heating system controls that are free of mercury
9-5	1	Install 60-minute timer switches or humidistat for bath exhaust and laundry fans or HRV override switch
9-6	2	Install exhaust fan in attached garage on timer or wired to door opener or no garage attached
9-7	3	Install photo cells, timers, and/or motion detectors (interior)
9-8	2	Install photo cells, timers, motion detectors (exterior)
<b>Fixtures</b>		
9-9	2	Install whole house fan beyond the code requirements
9-10	3	Replace all existing vent fans with higher efficiency units (quiet and rated to 1.5 sones or less), with smooth ducting (minimum of 4 inches) or other quiet ventilation strategy
9-11	2	Install Energy Star® exhaust fan
9-12	1	Properly install one or more Energy-Star rated ceiling fan(s)
9-13	1	Reuse electrical fixtures that meet or can be modified to meet code
9-14	4	Lighting avg is 1.1 watts/sq ft. with all exterior, garage, closet, utility room and under counter lighting are CFLs or LEDs.
9-15	1-10	Install hard-wired fluorescent fixtures, with 1 point for each 10% of Lighting
9-16	2-5	Use compact fluorescent bulbs, ballast, or fixtures; or LEDs in three high-use locations
9-17	1	Furnish four compact fluorescent light or LED bulbs to owners
9-18	3	No recessed can lights
<b>Misc.</b>		
9-19	Req	Install CO detector
9-20	2	Pre-wire or pre-install conduit for future photovoltaic use
9-21	2-3	Provide infrastructure for electric/hybrid vehicle charging
<b>SECTION TEN: INSULATION</b>		
	Req	Follow jobsite waste reduction and recycling plan
10-1	3	Add wall insulation
10-2	2	Add floor insulation
10-3	1-3	Insulate entire accessible attic (see handbook for details)
10-4	1	Fully insulate at interior/exterior wall intersection in addition/remodel structures
10-5	3	If using fiberglass insulation, use formaldehyde-free fiberglass insulation or Greenguard certified product
10-6	4	Insulate with alternatives to fiberglass insulation
10-7	1	Use recycled-content insulation (all insulation to have a minimum of 40% recycled-content)
10-8	3	Use continuous rigid insulation on interior or as exterior sheathing
10-9	3	Use environmentally friendly foam building products (formaldehyde-free, CFC-free, HCFC-free, brominated flame retardant-free)
10-10	2	Verify seal at doors, windows, and plumbing and electrical penetrations against moisture and air leaks
10-11	2	Perform a blower door test at the appropriate point in construction (see handbook for details)
<b>SECTION ELEVEN: DRYWALL</b>		
	Req	Follow jobsite waste reduction and recycling plan
11-1	3	Airtight drywall approach for framing structures
11-2	2	Inside the house, use only low-VOC, low-toxic, water-based, solvent-free adhesives, and additives for drywall and joint compound
<b>SECTION TWELVE: EXTERIOR</b>		
	Req	Follow jobsite waste reduction and recycling plan
12-1	2	Reuse Siding
12-2	1	Reuse Decking
12-3	3	Use siding with reclaimed, or recycled material on at least 20% of solid wall surface
12-4	2	Use 50-year siding product for new or replaced siding
12-5	1	Use regionally-produced stone or brick
12-6	4	If replacing siding and/or exterior trim no vinyl siding or exterior trim
12-7		Use wood siding that is third-party certified sustainably harvested wood, on at least 20% of solid wall surface that meets:
12-7a	5	Tier 1 requirements (As outlined in handbook)
12-7b	1	Tier 2 requirements (As outlined in handbook)
<b>SECTION THIRTEEN: FINISHES AND INDOOR AIR QUALITY</b>		
	Req	Follow jobsite waste reduction and recycling plan
13-1	1	Provide an outdoor clothesline or drying rack
13-2	1	Use any amount of rapidly renewable building materials and products made from plants harvested within a ten-year cycle or shorter
13-3	3	In three applications, use rapidly renewable building materials and products made from plants harvested within a ten-year cycle or shorter
<b>Flooring</b>		
13-4	2	Reuse flooring
13-5	4	No vinyl flooring
13-6	1	Use any amount of rapidly renewable flooring products with a ten-year harvest cycle or shorter (excluding carpet)
13-7	3	On more than 250 square feet, use rapidly renewable flooring products with a ten-year harvest cycle or shorter (excluding carpet)
13-8	1	Use pre-finished flooring
13-9	5 or 15	Add no new carpet in addition/remodel
13-10	1	If using carpet, specify products certified by third-party for good indoor air quality
13-11	1	Use recycled-content carpet pad
13-12	1	If installing and/or replacing carpeting, install natural fiber carpet (e.g. jute, sisal, wool)
13-13	1	Use recycled, renewed carpet or wool carpet
13-14	2	If using carpet, install by dry method
13-15	1	Use replaceable non-vinyl carpet tile and backer
13-16	3	Use 40% recycled-content or salvaged hard surface tile, 75 square feet minimum
13-17	3	Use natural linoleum
13-18		Use flooring that is third-party certified sustainably harvested wood that meets:
13-18a	5	Tier 1 requirements (As outlined in handbook)
13-18b	1	Tier 2 requirements (As outlined in handbook)
<b>Millwork: Trim, Doors and Cabinets</b>		
13-19	2	Reuse trim
13-20	1	Use regional trim products, 50% minimum
13-21	3	Use finger-jointed or MDF trim with no added urea formaldehyde, 90% minimum
13-22	4	Use only shelving, window trims, door trim, base molding, etc., with no added urea formaldehyde

13-23		Use trim that is third-party certified sustainably harvested wood, minimum of 50%	
13-23a	3	Tier 1 requirements (As outlined in handbook)	
13-23b	1	Tier 2 requirements (As outlined in handbook)	
13-24	1	Reuse doors	
13-25	1	Use reconstituted or recycled-content doors	
13-26	1	Reuse cabinets	
13-27	4	Install cabinets made with no added urea formaldehyde board and low-toxic finish	
13-28	2	For cabinets, use regional products, 90% minimum	
13-29		For cabinets use wood that is third-party certified sustainably harvested wood, minimum of 50%	
13-29a	3	Tier 1 requirements (as outlined in handbook)	
13-29b	1	Tier 2 requirements (as outlined in handbook)	
13-30	2-3	Use cabinet casework and shelving constructed of agricultural fiber with no added urea formaldehyde	
13-31	1	Use wood veneers that are third-party certified sustainably harvested wood that meets the Tier 1 requirements outlined in the handbook, 50% minimum	
13-32	2	Use countertops that are salvaged, recycled, or third-party certified sustainably harvested wood that meets the Tier 1 requirements outlined in the handbook	
13-33	1	Reuse hardware	
<b>Air Quality</b>			
13-34	2	Inside the house, use only low-VOC, low-toxic, water-based, solvent-free sealers, grouts, mortars, caulks, adhesives, stains, pigments, and additives for tile and grout	
<b>Air Quality</b>			
<b>Resource Conservation</b>			
13-35	5	Use only low-VOC/low-toxic interior paints and finishes for all surface areas (including doors, windows, trim)	
13-36	3	Use only low-VOC/low-toxic interior paints and finishes for large surface areas	
13-37	1	Use only paints and finishes without cadmium or lead	
13-38	3	Effective ventilation with approved method after each new finish is applied	
13-39	1	Do not install products with brominated flame retardant	
13-40	1	Substitute products that require solvent-based cleaning methods with solvent-free or water-based methods	
<b>Appliances</b>			
13-41	1	Install gas clothes dryer	
13-42	3	Install front loading Energy Star® washing machine	
13-43	1	Install an Energy Star® dishwasher	
13-44	2	Install Energy Star® refrigerator	
13-45	2	Install gas stove/cooktop (requires a Carbon Monoxide detector) or	
13-46	2	Install an induction electric cooktop	
<b>Other</b>			
13-47	1	Sell or donate reusable finish items	
13-48	1	Use recycled or "reworked" paint and finishes in addition and for any re-painted surfaces	
13-49	1-3	Use natural wall finishes, like lime paint and clay	
13-50	1	Install moisture alarms under sinks and dishwasher	
13-51	1	Educate homeowners on keeping hazardous cleaning and maintenance products, separate from occupied space	
13-52	4	Provide homeowners with maintenance checklists (furnace filters, under the fridge, etc.)	
<b>SECTION FOURTEEN: LANDSCAPING</b>			
	<b>Req</b>	Follow jobsite waste reduction and recycling plan	
<b>Water Conservation</b>			
14-1	10	Install landscaping that requires no potable water for irrigation whatsoever after initial establishment period (approximately 1 to 3 years)	
14-2	2	If installing an irrigation system, provide a water budget, test irrigation system to verify coverage and flow rates, and provide a landscape maintenance plan to home owners	
14-3	2	Sub-surface or drip systems used for irrigation	
14-4	5-15	Install rainwater collection system (cistern) for reuse (minimum of 500 gallons)	
<b>Soils</b>			
14-5	4	Amend disturbed soil to a depth of 10 to 12 inches to restore soil environmental functions	
14-6	3	Grind landclearing wood and stumps for reuse on site	
14-7	2	Mulch landscape beds with 2 inches of organic mulch	
<b>Plantings</b>			
14-8	3	Replant or donate removed vegetation for immediate reuse, or place in established heeling bed for reuse on site or donation	
14-9	2	Use plants donated from another site	
14-10	2	Remove existing plants listed as noxious or obnoxious weeds as defined by WA state agricultural extension office	
14-11	3	Establish landscape as a backyard wildlife sanctuary through the WA Dept. of Fish and Wildlife	
14-12	2	Use slow-release organic fertilizers to establish vegetation	
14-13	5	Reduce existing turf grass by 50% or more and replace with drought tolerant or native landscaping	
14-14	10	No turf grass	
14-15	5	Landscape with plants appropriate for site topography and soils, emphasizing use of drought tolerant plants or plants with low watering requirements	
14-16	1	Educate owners/tenants about fish friendly moss control and landscaping practices	
14-17	3	Retain or install continuous forested and native vegetation "buffers" adjacent to lot edges, fencelines, waterways, wetlands, and steep slopes.	
14-18	2	Take part in a city re-tree program, if one exists in your area	
14-19	4	Retain (or add) deciduous trees South and West of house	
<b>Materials</b>			
14-20	2	Reuse concrete or masonry items on site	
14-21	3	Use pervious materials for at least one-third of total area for driveways, walkways, patios	
14-22	3	Provide public amenities adjacent to streets, such as a bench, shade or fruit trees, wildflower garden, art, or make environmental features visible from the street.	
14-23	2	Do not use pressure treated wood in landscaping	
14-24	2	Use reclaimed or salvaged material for landscaping walls	
14-25	1	Solar powered walkway or outdoor area lighting	
<b>END OF PROJECT</b>			
15-1	5-10	Blower door test results better than 0.30 ACH (5 points), 0.25 ACH (10 points)	
15-2	1	Provide a cleanable doormat at major entrances to house (front, back, garage)	
15-3	Req	Provide home owner kit and maintenance manual to homeowner along with Built Green Certificate	
<b>PROJECT TOTALS</b>			
		<b>Site and Water Environmental Category</b>	<b>0</b>
		<b>Energy Efficiency Environmental Category</b>	<b>0</b>

	Indoor Air Quality Environmental Category	0
	Materials Efficiency Environmental Category	0
	<b>PROJECT TOTAL:</b>	<b>0</b>