Green Built Home™ is a national award-winning green building initiative that reviews and certifies new homes and remodeling projects that meet sustainable building and energy standards.

Green Built Home is implemented in partnership with the Madison Area Builders Association in cooperation with other participating builders associations, leading utilities and organizations that promote green building.

www.greenbuilthome.org
Green Built Home Registration

Company Name ____________________________________________________________

Address __________________________________________________________________

City __________________________________ State _______ Zip ____________________

Contact __________________________________ Phone __________________________

Fax ___________________________ Web site ________________________________

Submittal Requirements per home

Site Address __________________________________ City __________________________

Estimated completion date:__________________________________________________

Please circle one: Wisconsin ENERGY STAR® Home  REScheck + 15% home

❑ Complete Green Built Home Checklist
❑ Site Plan:
  □ Provide erosion control methods and locations.
  □ Indicate the limit of site disturbance.
  □ Show building footprint and driveway location.
❑ Architectural Floor Plans:
  □ Floor plans drawn to scale and fully dimensioned.
  □ Provide dimensions of roof eaves and overhangs.
❑ Architectural Elevations:
  □ All elevations drawn to scale.
  □ Elevations shall show proposed finished elevation of floor and roofs on all levels.
❑ Architectural Cross Sections:
  □ Show cross section to provide internal detail to evaluate construction technique and materials used.
❑ Product/Materials Information:
  □ Provide a list of materials used for this project (e.g. paints, solvents, adhesives, etc.)

❑ Verification that the home meets Wisconsin ENERGY STAR® Homes standards (if applicable)
❑ REScheck +15% documentation, including testing results (if applicable)

Fee Schedule

Please circle one  HBA member  Non-HBA member

Home Registration Fee  $75 per home  $100 per home

TOTAL FEE:  $ ______________  $ ______________

Bulk Home Registration  HBA member  Non-HBA member

$50 per home  $75 per home

Please mail Checklist, submittals, and payment to:
Green Built Home
16 N. Carroll St., Suite 840
Madison, WI 53703
608-280-0360
Fax 608-280-0361
www.GreenBuiltHome.org

Builders certifying all their homes from a Green Built Specifications Checklist will be charged a reduced home registration fee. Please see page 3 of the checklist for more information on this option and contact us at 608-280-0360 for more information.
Tired of filling out Checklists?

Upon demonstrating consistent compliance with submittal requirements and program standards, builders may elect to submit a “baseline” Green Built Specifications checklist that will qualify all homes for Green Built Home certification notwithstanding site specific or customer criteria and without the need to complete a Checklist for every home. Please contact us for more information on this option on how to certify all your homes and save time and reduce paperwork.

- Develop and sign off on one set of Green Built specifications per year
- Engage Green Built Home in an auditing process to ensure standards are met
- Certify all of your homes according to this set of specifications
- No need to fill out checklists for every home certified
- Call or e-mail us with the home’s address and estimated completion date
- Fax or e-mail Wisconsin ENERGY STAR Homes or REScheck +15% documentation
- Mail $50 home registration fee
- Certification materials will be sent to your office or your client’s home

Do you build REScheck +15% homes that consistently meet testing standards?

Upon consistently meeting air infiltration testing standards Green Built Home may, at the program’s discretion, reduce the number of homes required to be tested according to established criteria. This can save you the time and expense of having all your homes tested while still maintaining program credibility. Please contact us for more information on this option.

- All homes must be certified as Green Built Homes
- Mail $50 home registration fee
- Certification materials will be sent to your office or your client’s home
- Air infiltration tests must achieve results of 0.25 CFM/sq.ft. of building surface area or less for consideration of reduced testing requirements
- Homes will be randomly tested after reducing the testing requirement
- If a tested home does not meet the air infiltration standard, builders will be required to take corrective action and subsequent homes will be tested until the standard is met again.
- Homeowners will be notified if their home has not been tested.

Quality Control

Green Built Home and/or its partners will review completed Checklists, plans, and other submissions as well as work with participating builders to verify that all Basic Requirements are met for every home entered into the program. Verification that Wisconsin ENERGY STAR Homes or REScheck +15% standards have been met will also be required for every home. Builders whose homes do not initially meet program standards will be expected to take corrective action.

Green Built Home and/or its partners will randomly inspect at least 10% of registered homes to maintain quality control and program credibility. Inspection will include a site visit, may include further testing, and may also require the builder to provide information such as: ratings certificates, spec sheets, invoices, labels, product literature and safety data sheets (MSDS) as documentation. Builders and homeowners will also have the opportunity to request a site visit or energy testing of their registered home at any time.

Builder Responsibilities

Builders will certify to the homebuyer that each registered home meets the minimum standards as set forth by the Checklist by providing: 1) a signed copy of the completed Checklist or 2) a fact sheet or Green Built Specifications document that establishes that all the Basic Requirements and related green building features have been incorporated into the home. Builders will also provide the homebuyer with documentation that the home has met Wisconsin ENERGY STAR Homes standards or REScheck +15% testing standards.

Valuable Green Built Home Resources:

Want to learn more about “green” building practices? Have a question about a Checklist item? Looking for a particular “green” building product? Browse the Green Built Home Interactive Checklist located at www.greenbuilthome.org for technical details, explanations, and more information.

The Green Built Home Buyer’s Guide is also a valuable resource. It provides a priority ranking of measures to reduce the environmental impact of home building and lets you know where you might get the best environmental result for the money.

Interested in learning more about green remodeling? Green Built Home now features information, resources and a project certification Remodeling Checklist for do-it yourselves and remodeling contractors at www.greenbuilthome.org.

The Green Built Home Project Guide outlines environmentally responsible solutions for nine common building and remodeling scenarios such as: building a new home or addition, installing flooring, installing a new roof, painting a room, installing insulation, replacing windows, re-siding your house, remodeling a kitchen or bath, and landscaping with native plants.

The Green Built Home Multifamily Checklist is now available for larger condominium, apartment and mixed use buildings.
Qualifications:

To qualify as a Green Built Home, each home must earn a minimum of 60 points by meeting the specified criteria.

All homes must fulfill the Basic Requirements listed below and must meet the minimum point requirements in Sections B, C, D and E. The remaining points can be earned from any combination of additional checklist Sections. For homes that do not rely on conventional mechanical heating and cooling strategies, alternatives to the Wisconsin ENERGY STAR Home or REScheck+15% standards can be discussed on a case by case basis.

GreenGuide Label:

A GreenGuide Label will be provided for each home certified by the Green Built Home program. This label, similar to the yellow Energy Guide labels found on appliances, will provide the homebuyer with information on the number of points earned from the Checklist.

Please enter the point totals for each criteria selected on the line provided and enter the subtotals as directed.
Basic Requirements

1A. Wisconsin ENERGY STAR Home (10 points)
Home must comply with Wisconsin ENERGY STAR Homes program standards regarding energy efficiency, ventilation, combustion safety and indoor air quality. For information contact Wisconsin ENERGY STAR Homes at 1-800-762-7077 or visit www.focusonenergy.com

OR

1B. REScheck +15% (1 point)
Home must be 15 percent more efficient than required by the Wisconsin Uniform Dwelling Code and demonstrate compliance using the REScheck Software (available on the Web at www.energycodes.gov), a HERS rating of 86, or another approved method. Builders selecting REScheck +15% must also comply with combustion safety and air tightness requirements as follows:

- Sealed or power-vented heating and water heating equipment must be installed or combustion equipment must be isolated from the conditioned space.
- Carbon monoxide detectors must be installed with a minimum of one detector per floor in any building with an attached garage or any combustion appliance within the conditioned space. Detectors can be hardwired or plug-in models.

AIR INFILTRATION TESTING:

- A Diagnostic multi-point blower door test indicating 0.25 cfm/sq.ft. of building envelope area or less is required for all REScheck +15% homes. Builders whose homes do not initially meet the testing standard will be expected to take corrective action. Upon demonstrating consistent compliance with testing standards, the requirement for testing may be reduced at the program’s discretion according to established criteria. Please contact us for more information.

VENTILATION EQUIPMENT:

Ventilation equipment must be installed to maintain overall house ventilation. Please note that the actual, rather than rated, exhaust flows must meet the following minimums.

- Ventilation minimums:
  - Kitchen: 40 CFM vented to the outside
  - Bathroom: 20CFM (continuous) or 50 CFM (spot) vented to the outside

- Whole house minimum:
  One of the exhaust fans or ports (excluding kitchen) must have a minimum actual flow equal to or greater than 10 CFM plus 10 CFM per bedroom

- Ventilation system options:
  - Balanced heat or energy recovery system
  - Central exhaust system with make-up air
  - Upgrade bath fans

Fireplace Safety:

- Gas fireplaces must be direct vent only with outside combustion air
- It is highly recommended that wood fireplaces have sealable, gasketed doors, and be fitted with outdoor combustion air supply

The purpose of these specifications is to reduce the potential for back-drafting of combustion byproducts into the home. Homes with high ventilation exhaust capacity, such as central vacuum systems, large capacity kitchen range hoods, clothes dryers, or multiple bathroom exhaust fans, are potentially vulnerable to back-drafting when the units are operating.

2. ENERGY STAR QUALIFIED APPLIANCES: (1 point)
All appliances (clothes washer, dishwasher and refrigerator) provided are ENERGY STAR qualified or each appliance performs in the top 50% of its Energy Guide rating. If appliances are not included a list of ENERGY STAR-rated appliances is provided. For lists of ENERGY STAR rated appliances see www.energystar.gov.

3. EROSION CONTROL: (1 point)
Builder must comply with the erosion control plan required for building permits by the local municipality.

4. RECYCLING: (1 point)
Builder must recycle cardboard as required by state law and use at least one recycled-content material (minimum 50% recycled content). See the Interactive Checklist at www.greenbuilthome.org or call 608-280-0360 for clarification.

5. TROPICAL HARDWOODS: (1 point)
No Luan or other tropical hardwoods (plywood, doors, flooring, etc.) are allowed unless certified by Forest Stewardship Council, Smart Wood or approved “third party” organization.

6. PRESENT “GREEN BUILT HOMEOWNER HANDBOOK” TO HOMEOWNER: (1 point)
This handbook will be prepared by the GBH program and provided by the builder as part of the homeowner certification folder.

7. PROVIDE CERTIFICATION PLAQUE AND GREEN GUIDE LABEL: (1 point)
This wood plaque and label will be prepared by the GBH program and provided to the builder as part of the homeowner certification folder.

8. MERCURY THERMOSTATS: (1 point)
No permanently installed mercury thermostats are allowed. All thermostats must be programmable set-back models with an “on” switch for furnace fan to circulate air.

BASIC REQUIREMENTS Subtotal

Each registered home MUST meet all the Basic Requirements and accumulate a minimum total of 60 points.
SECTION B: LANDSCAPE CONSERVATION AND STORMWATER MANAGEMENT

(At least 3 points required for all homes)

1. (1) Use of redundant straw bale and silt fencing in areas with steep slopes (greater than 12% grade) or areas of concentrated runoff flow.

2. (1) Protect on-site storm sewer inlets with straw bales, silt fencing or equivalent measures.

3. (1) Save and reuse all site topsoil.

4. (1) Trees and natural features on site protected during construction.

5. (1) Home placement saves east and south lot areas for outdoor use.

6. (1) Chip and reuse site-cleared wood and brush as mulch.

7. (1) Wash out concrete trucks in slab or pavement sub-base areas.

List Location ___________________________________
__________________________________________________

8. (1) Balance cut and fill to eliminate earth removal from site.

9. (2) Replant or donate live trees from the site.

10. (2) Site disturbance limited to within 20 feet of structures and paved areas.

11. (1) Permeable materials such as brick pavers, flagstones, porous paving or limestone fines for 40% of all walkways, patios and driveways.

12. (1) Grass that uses less water such as blue gamma, fescue, or ‘no-mow,’ min. 75% of turf areas.

List type/supplier __________________________________
__________________________________________________

13. (1) Native landscape planting min. 20% of non-paved areas.

List landscape contractor ___________________________
__________________________________________________

14. (2) Native landscape planting min. 40% of non-paved areas.

List landscape contractor ___________________________
__________________________________________________

15. (3) Native landscape planting min. 60% of non-paved areas.

List landscape contractor ___________________________
__________________________________________________

16. (1) Rainwater recovery from roof for watering, min. 50 gal. storage capacity.

17. (3) Provide infiltration system for rooftop run off (e.g. rain gardens, drain tile, bioswales, ponds, etc.).

18. (1) Edible landscape planting/plan for food garden.

Each item is valued at (1), (2), (3), (4), or (5) points. Please check all that apply and note the point totals on the line provided.
SECTION B Subtotal _____________

5. (❑)
4. (❑)
3. (❑)
2. (❑)
1. (❑)

SITE DESIGN

1. (2) Home oriented with long dimension facing within 15 degrees of south.
2. (1) Home massing respects solar access of adjacent properties.
3. (1) Garage sited between house and prevailing winter winds to act as a buffer (garage to the north or west of house).
4. (1) New deciduous tree(s) provided on south side or evergreens on west side of house such that when mature they will shade the house. Native species, min. 2.5" caliper, 3'-0" high.
5. (1-5) Utilize an approach not listed that meets the goals of this section.

31. (❑)
30. (❑)
29. (❑)
28. (❑)
27. (❑)
26. (1) Participate in a wildlife conservation program.
25. (1) Establish and maintain a single stabilized construction entrance.
24. (1) Provide onsite supervision and coordination during site clearing, grading, trenching, paving, and installation of utilities to ensure that green building measures are implemented.
23. (1) Use of recycled materials in lieu of silt fencing.
22. (1-5) Utilize an approach not listed that meets the goals of this section.

SECTION C: ENERGY EFFICIENCY

(At least 10 points required for all homes)

GLAZING

16. (1) Windows throughout are ENERGY STAR qualified or have a U value <=0.35 (NFRC label).
17. (2) Windows throughout have a U value <=0.26 (NFRC label).
18. (1) Windows throughout have an air leakage rating <=0.06 cfm/ft.
19. (1) 25% of windows fitted with insulated window coverings.
20. (1) No metal frame windows in house, including basements, unless thermally broken.
21. (1) East facing glass NFRC label solar heat gain coefficient (SHGC) less than 0.40.
22. (1) West facing glass NFRC label solar heat gain coefficient (SHGC) less than 0.40.
23. (2) South facing glass shaded by exterior shading in May, June and July at 12 noon.
24. (1) Use clerestory windows for natural lighting.

INSULATION AND AIR SEALING

6. (1) Energy heels of 7" or more on trusses.
7. (1) Advanced sealing package in addition to basic sealing practices (sealing at top and bottom plates, corners and between cavities at penetrations).
8. (2) Blower door test with 0.15 CFM/sq.ft. or less - determined at completion of home.
9. (3) Blower door test with 0.10 CFM/sq.ft. or less - determined at completion of home.
10. (1) Sill plate sealed with caulk (sill plate to foundation and rim to sill plate).
11. (1) Gaps between can light housings and drywall caulked.
12. (1) Gaps between exhaust fan housings and drywall caulked.
13. (1) All penetrations to the exterior are sealed both inside and outside
14. (2) Can lights in insulated ceilings are sealed and insulated.
15. (1-5) Utilize an approach not listed that meets the goals of this section.

List approach _____________________________________

List approach _____________________________________

List approach _____________________________________

List approach _____________________________________

List approach _____________________________________
25. (1-5) Utilize an approach not listed that meets the goals of this section.
   List approach ____________________________________________________________

MECHANICAL SYSTEMS
26. (1) Install a 90%-94% efficiency furnace (ENERGY STAR label encouraged).
   List manufacturer & model # ________________________________________________

27. (2) Install a 95% or higher efficiency furnace (ENERGY STAR label encouraged).
   List manufacturer & model # ________________________________________________

28. (1) Furnace located to minimize length of total duct runs.

29. (1) Install a 92% or higher efficiency condensing boiler.

30. (2) Furnace is equipped with an electronically commutated motor (ECMs) - (variable speed motor).
   List manufacturer & model # ________________________________________________

31. (1) High efficiency air conditioner or heat pump (ENERGY STAR qualified, SEER 14+ or COP 4.5+) if A/C provided.
   List manufacturer & model # ________________________________________________

32. (2) No ductwork located in unconditioned space or exterior walls.

33. (1) Ductwork in unconditioned space or exterior walls insulated (R-13 min.).

34. (1) Duct design complies with Manual D or equivalent.

35. (2) HVAC supplies and returns are fully ducted (no use of building cavities).

36. (1) All ductwork joints sealed (mastic or aluminum tape).

37. (2) Airflow for each duct run measured and balanced to within 15 cfm of design value.

38. (1) High efficiency whole house fan installed with R-38 min. insulated cover.

39. (1) Two properly supported ceiling fans installed (ENERGY STAR label encouraged).

40. (1) Ceiling fan pre-wires provided in habitable rooms (min. 2 prewires not including bedrooms).

41. (2) Heat Recovery Ventilator (HRV) installed.
   List manufacturer __________________________________________________________

42. (3) Energy Recovery Ventilator (ERV) installed.
   List contractor ____________________________________________________________

43. (3) Geothermal heat pump. (ENERGY STAR labeled encouraged).
   List contractor ____________________________________________________________

44. (1-5) Zoned HVAC system (1 point per additional zone).

45. (4) No air conditioning.

46. (1) Whole house electricity monitoring system installed.

47. (1) Document proper sizing of HVAC system using Manual J or equivalent.

48. (1) High efficiency fireplace such as direct vent gas, Rumford, or masonry heater or no fireplace installed.

49. (1-5) Utilize an approach not listed that meets the goals of this section.
   List approach ____________________________________________________________

APPLIANCES
50. (1) Provide gas rough-in for appliances.

51. (1) Appliances performing in top 10% of the Energy Guide rating (score one point for each appliance).
   ____ dishwasher ____ refrigerator ____ washing machine ____ microwave
   Other: list ________________________________________________________________

52. (1) Provide exterior clothesline.

53. (1-5) Utilize an approach not listed that meets the goals of this section.
   List approach ____________________________________________________________

LIGHTING AND ELECTRICAL SYSTEMS
54. (1) Light-colored interior walls, ceiling and soffit. Mid tone to light color flooring/carpet (min. 75%).

55. (1) Install ENERGY STAR qualified light fixtures (min 4 fixtures).

56. (1) Furnish five compact fluorescent light bulbs to homeowner. (ENERGY STAR labeled encouraged).

57. (1) Compact or linear fluorescent lighting in place of incandescent down-lights.

58. (1) Install lighting dimmers, timers, or motion detectors (min. 4 fixtures).

59. (1) Motion detector activators or photocells/ timers on all exterior lighting.

60. (1) Solar powered walkway or outdoor area lighting (min. 6 fixtures).

61. (1) Solar tubes for interior daylighting.

62. (5) Solar electric (photovoltaic) system installed (5 pts per kW of generation capacity).
   Generation capacity ________________________________________________________
63. (2) Provide at least 400 sq.ft. of roof area that is within 15 degrees of south and tilting between 20 and 70 degrees from the horizontal for a future solar electric system. The roof area should be less than 5% shaded over an annual basis. Also install a conduit from the attic to the utility panel that is clearly labeled “future solar electric system wiring” for easy identification at a later date.

64. (3) No can lights in insulated ceiling.

65. (3) Home has an ENERGY STAR Advanced Lighting Package (ALP).

66. (2) LEDs used in lieu of CFLs or incandescents for general, task or accent lighting

67. (5) Fuel cell installed for electricity generation (5 pts per 5 kW of generation capacity).

68. (1-5) Utilize an approach not listed that meets the goals of this section.

List approach ____________________________

INTEGRATED CLIMATIC DESIGN

69. (4) Passive solar heating design package (includes orientation, south glazing/ floor area ratio, orientation specific low-e tuning, summer shading, and thermal mass design).

70. (4) Passive cooling design package (includes orientation, summer shading, thermal mass, attic ventilation, additional ceiling fans, heat recovery ventilation and natural ventilation design).

71. (5) Project is LEED certified

72. (1-5) Utilize an approach not listed that meets the goals of this section.

List approach ____________________________

SECTION C Subtotal _________________________

SECTION D: MATERIALS SELECTION

(At least 6 points required for all homes)

EXTERIOR

1. (1) Design house features to reduce materials consumption (e.g. patios in place of decks).

List source ____________________________

2. (1) Masonry and stone salvaged.

List source ____________________________

3. (1) Masonry and stone regionally produced (within 500 miles).

List supplier __________________________

4. (1) Decks, site furnishings and/or other outdoor structures constructed with sustainable, low-toxicity materials: reused wood, certified sustainable yield wood, or recycled plastic/ wood fiber composites.

List product __________________________

5. (1-5) Utilize an approach not listed that meets the goals of this section.

List approach ____________________________

BELOW GRADE

6. (1) Recycled fly ash concrete (min. 15% flyash content).

List contractor __________________________

7. (2) Cast-in-place insulating concrete forms.

8. (3) Insulated pre-cast concrete foundation systems.

9. (2) Cast in place footing forms with integral drainage features.

List product ____________________________

10. (1) Reusable foundation forms used to reduce waste (e.g. metal rather than site built wood forms).

11. (1) Low toxicity form release agents used on concrete form work.

List product ____________________________

12. (1) Non-asphalt based damp proofing.

List product ____________________________

13. (1) Water based waterproofing systems.

List product ____________________________

14. (2) Frost protected shallow foundation.

15. (1) Reusable foundation bracing not constructed of framing lumber used.

16. (1) House built on 3’9” foundation walls (90% of foundation walls).

17. (1-5) Utilize an approach not listed that meets the goals of this section.

List approach ____________________________

STRUCTURAL FRAME

18. (1) Provide weather protection for stored materials.

19. (1) No use of 2x10 or greater dimension solid lumber in floors or roof systems.

20. (1) Use prefabricated insulated headers.

21. (1) Engineered wood “I” joists or truss joists used for floors.

22. (1) Trusses or “I” joists used for roofs.

23. (1) Engineered lumber products for beams, joists or headers.

24. (1) Finger-jointed studs, engineered stud material, or plate materials.
25. (4 points possible) Optimum Value Engineering (O.V.E) advanced framing package (e.g. 24" O.C. studs, 3 stud corners, etc.) as developed by the NAHB. For every three strategies selected receive 1 pt:

- frame greater than 16" centers,
- single top plate,
- optimized header sizes,
- 2'0" framing module,
- centralized cutting areas,
- detailed job-site framing plans,
- two stud corners,
- ladder backing/ drywall clips,
- header hangers,
- reduced cripples/ jacks,
- optimized sheathing,
- reduced waste factor

26. (3) Use of reused timber or framing lumber (min. 25% lumber usage).
27. (2) Use of energy efficient 2x4 exterior wall system.
28. (2) Use of panelized construction.
29. (4) Use of alternative building systems with significant environmental performance features such as SIPs, ICFs, Fasswall, Autoclaved Aerated Concrete. List system ______________________________________

30. (5) Other climate appropriate natural building system such as strawbale. List system ______________________________________

31. (2) Structural wood that is regionally grown, milled, and produced (at least 50% of wood used).
32. (3) Structural wood from (FSC, Smart Wood or equivalent) certified sustainably managed forests (at least 50% of wood used).
33. (1) Advanced rim joist insulation (prefabricated insulated rim joist, spray foam insulation, or other similar technique).
34. (1) Recycled content steel framing with adequate thermal break used instead of wood
35. (1-5) Utilize an approach not listed that meets the goals of this section. List approach ______________________________________

ENVELOPE, WALLS AND CEILING

36. (1) Large roof overhangs to extend life of siding finishes: 24" horizontal projection min.
37. (1) Use of non-sealed insulating glazing or sash designs that allow for insulated glazing unit replacement without requiring sash replacement.
38. (1) Fiber-cement or wood composite siding (min. 50% of siding used).
39. (2) Recycled content sheathing (min. 50% pre- or post-consumer recycled content). List product ______________________________________

40. (1) Recycled content siding (min. 50% pre-consumer). List product ______________________________________
41. (2) Recycled content siding (min. 50% post-consumer). List product ______________________________________
42. (1) Recycled content facia, soffit, or trim (min. 50% pre-consumer). List product ______________________________________
43. (2) Recycled content facia, soffit, or trim (min. 50% post-consumer). List product ______________________________________
44. (1) Metal siding with long-life factory finish. (min. 25% of siding used)
45. (1) Natural cementitious stucco.
46. (2) Continuous drainage plane behind siding.
47. (3) Vented rain screen behind siding.
48. (2) Drywall with at least 90% recycled-content gypsum. List product ______________________________________
49. (1) High strength 1/2-inch drywall substituted for 5/8 drywall on ceilings. List product ______________________________________

50. (3) Plywood, OSB or other sheathing from (FSC, Smart Wood or equivalent) certified sustainably managed forests (at least 50% of sheathing used).
51. (2) No vinyl siding, soffit, facia, trim, or windows.
52. (1) Factory finished wood, fiber cement, or composite siding.
53. (1) Siding and exterior trim primed on all sides.
54. (1) Brick or stone siding on 75% or more of the home's exterior.
55. (1) Flexible, self adhering rubber flashing installed around all windows and integrated with drainage plane.
56. (1) Insulated sheathing used.
57. (1-5) Utilize an approach not listed that meets the goals of this section. List approach ______________________________________

INSULATION

58. (1) Recycled content insulation (min. 25% recycled content and min. 50% of insulation). List product ______________________________________
59. (2) Blown/sprayed-in insulation used at walls.
60. (3) Natural insulation (cotton, bio-based foam, etc) used (min. 50% of insulation).
61. (1) Below slab insulation installed.
62. (1) Exterior foundation walls insulated with min. 1” of foam insulation.
63. (2) Exterior foundation walls insulated with min. 2” of foam insulation.
64. (1) Variable permeance or “smart” vapor retarder installed.
65. (1-5) Utilize an approach not listed that meets the goals of this section.
   List approach ________________________________

ROOF
66. (1) Recycled content roofing material (min. 25% recycled content).
   List product ________________________________
67. (2) Minimum 40-year roofing material including asphalt, concrete, slate, clay, composition, metal, rubber or fiberglass.
68. (3) Minimum 50-year roofing material including asphalt, concrete, slate, clay, composition, metal, rubber or fiberglass.
69. (3) Plywood, OSB, or other roof decking from (FSC, Smartwood or equivalent) certified sustainably managed forests (at least 50% of decking used).
70. (1-5) Utilize an approach not listed that meets the goals of this section.
   List approach ________________________________

SUB-FLOOR
71. (1) Recycled content underlayment (100% of underlayment used).
   List product ________________________________
72. (3) Plywood or other subfloor from (FSC, Smart Wood or equivalent) certified sustainably managed forests.
73. (1-5) Utilize an approach not listed that meets the goals of this section.
   List approach ________________________________

FINISH FLOOR
74. (1) Bamboo flooring (min. 100 sq.ft).
75. (1) Cork flooring (min. 100 sq. ft.).
76. (2) Flooring made from reclaimed (recycled) wood (min. 50% of wood flooring).
77. (2) Recycled content ceramic tile (min. 50% of tile used).
78. (2) Salvaged stone or masonry flooring.
79. (1) Recycled content carpet pad (100% of pad used).
80. (1) Recycled content carpet — tacked not glued (min. 50% of carpet used).
81. (2) Carpet provided by a company that agrees to take it back for recycling at the end of its useful life.
82. (3) Flooring from (FSC, Smart Wood or equivalent) certified sustainably managed forests (min. 50% of wood flooring).
83. (2) No vinyl flooring or base trim.
84. (1-5) Utilize an approach not listed that meets the goals of this section.
   List approach ________________________________

DOORS, CABINETRY AND TRIM
85. (1) Recycled content doors or MDF.
   List manufacturer ________________________________
86. (1) Domestically grown interior panel doors.
87. (1) Finger jointed trim or MDF (min. 75% of trim stock).
88. (1) Domestic hardwood trim (min. 75% of trim stock).
89. (1) Recycled content countertops (e.g. Environ, Richlite).
90. (1) Concrete, regionally produced, or regionally quarried countertops.
91. (2) Use of reused hardwood trim, cabinets, and/or doors (min. 25% of stock).
92. (3) Hardwood trim from (FSC, Smart Wood or equivalent) certified sustainably managed forests (min. 50% of wood trim).
93. (3) Finish grade plywood from (FSC, Smart Wood or equivalent) certified sustainably managed forests (min. 50% of finish plywood).
94. (2) Wheat or strawboard materials used in place of particleboard.
95. (1-5) Utilize an approach not listed that meets the goals of this section.
   List approach ________________________________

SECTION D Subtotal _____________

SECTION E: INDOOR AIR QUALITY
(At least 5 points required for all homes)
91. (1) Take measures to avoid air pollution or IAQ problems due to construction dust.
92. (2) Garage physically separated from house.
93. (3) Measures taken to reduce carbon monoxide infiltration using one of the following four methods (maximum of one point).
   ___ continuous air barrier separation
   ___ weather-sealed door
   ___ exhaust fan in garage on timer or wired to door opener
   ___ garage ventilated to neutral pressure
IAQ MATERIALS

27. (2) Formaldehyde-free insulation.
28. (1) GreenGuard or equivalent certified low formaldehyde insulation.

IAQ FINISHES AND ADHESIVES

43. Low V.O.C. paints (<150 g/l) used throughout.

One point each:

___ interior primer,
___ interior finish,
___ exterior primer,
___ exterior finish

List supplier/product _________________________________

44. Non-toxic zero V.O.C. paints used throughout (AFM Safecoat or equivalent). Two points each:

___ interior primer,
___ interior finish,
___ exterior primer,
___ exterior finish

List supplier/product _________________________________

29. (1) Batt insulation that is encapsulated or otherwise non-irritating.
30. (2) Non-toxic spray foam insulation.
31. (1) Urea formaldehyde-free sub-floor and underlayment material.

List product _________________________________

32. (2) Use of hard surface floors such as wood, concrete, tile or linoleum (min. 50% of floor area).
33. (3) Use of hard surface floors such as wood, concrete, tile or linoleum (min. 90% of floor area).
34. (2) Natural linoleum with low toxic adhesives and backing in place of all vinyl flooring.
35. (2) Natural material carpet (wool, sisal, etc) - tacked not glued (100% of carpet used).
36. (1) Natural material carpet padding (natural rubber, wool, 100% of padding used).
37. (1) Carpet and Rug Institute Green Label IAQ label on all carpet used.
38. (2) Carpet and Rug Institute Green Label +Plus IAQ label on all carpet used.
39. (1) Hardboard content doors with MDI or non-toxic binders.

List supplier/product _________________________________

40. (1) All cabinets, shelves, and countertops made with formaldehyde free materials: solid wood, formaldehyde free particleboard or MDF (medium density fiberboard), metal, wood, particleboard, MDF, or metal with natural or baked enamel factory finish.

List supplier/product _________________________________

41. (1) All exposed particleboard containing formaldehyde sealed with non-toxic sealer.
42. (1-5) Utilize an approach not listed that meets the goals of this section.

List approach _____________________________________

43. Low V.O.C. paints (<150 g/l) used throughout.

One point each:

___ interior primer,
___ interior finish,
___ exterior primer,
___ exterior finish

List supplier/product _________________________________

44. Non-toxic zero V.O.C. paints used throughout (AFM Safecoat or equivalent). Two points each:

___ interior primer,
___ interior finish,
___ exterior primer,
___ exterior finish

List supplier/product _________________________________
SECTION E Subtotal ____________________

SECTION F: PLUMBING AND WATER CONSERVATION

1. (1) Front loading, horizontal axis clothes washer.
2. (1) Select bathroom faucets with GPM less than code or install low-flow aerators.
3. (1) Select kitchen faucets with GPM less than code or install low-flow aerators.
4. (1) Select showerheads with GPM less than code or install low-flow aerators.
5. (1) Manifold plumbing system with PEX tubing.
6. (2) Composting toilet.
7. (2) Rough-in for future greywater recovery system.
8. (4) Greywater recovery system installed.
9. (1) No garbage disposal.
10. (2) No PVC piping for drains, wastes and vents.
11. (1) All showers are equipped with only one showerhead.
12. (1) Dual flush or ultra low flow toilet with GPF less than code.
13. (1) Passive or loop hot water delivery system installed at the farthest location from hot water heater (lines must be insulated).
14. (1) Select showerheads with GPM less than code or install low-flow aerators.
15. (3) Gas water heater with energy factor of more than .62 for direct vented.
16. (3) High efficiency central domestic hot water heating system.

SECTION G: WASTE REDUCTION, RECYCLING AND DISPOSAL

(At least 1 point for all homes in addition to items required by state law)

1. (1) Posted job site recycling plan.
2. Recycle or reuse job site waste, 1 point for each material:
   - glass, aluminum cans and plastic bottles
   - cardboard (required by state law, no point)
   - asphalt roofing (75% landfill diversion)
   - wood scraps (75% landfill diversion)
   - pallets (75% landfill diversion)
   - metal (75% landfill diversion)
   - gypsum wall board (75% landfill diversion)
   - brick and block (75% landfill diversion)
   - other


17. (2) No use of electric domestic hot water heating equipment.
18. (1) Water heater within 20 pipe feet of dishwasher and clothes washer.
19. (1) All other fixtures within 20 pipe feet of water heater or provide heat trap.
20. (2) Insulate all hot water lines to minimum R-4.
21. (1) Insulate hot and cold water pipes 3 feet from the hot water heater.
22. (3) On-demand (tankless) hot water delivery system.

SECTION G Subtotal _________________________
SECTION G Subtotal _____________

SECTION H: BUILDER OPERATIONS

1. (1) At least 80% of homes built to Green Built Home standards annually.
   List action, location, and date _________________________

2. (1) At least one recent action taken to visibly market Green Built Home program.
   List action, location, and date _________________________

3. (1) Conduct homebuyer orientation during final walk-through (point out Green Built features, how to maintain them, operate them, etc).
   List action, location, and date _________________________

4. (1) At least one recent training event conducted for realtors or sales staff.

5. (3) Provide homebuyer with guaranteed energy bills at least 25% below the average of that for a typical new home of the same square footage and features.

6. (1) Builder attendance at one recent green building related educational event.
   List event, sponsor, and date: _________________________

7. (1-3) Builders own idea for innovation, education, and encouraging homeowners to take care of their home in an environmentally friendly way (Ex. Provide homeowners with environmentally friendly cleaning products).
   List idea: _________________________

8. (1) Establish a “Green Team.” Identify employees and/or subcontractors, their roles and how they relate to various phases of green development and building.

9. (1) Create and implement an integrated design process to increase communication between the owner, design team, general contractor, subcontractors, the city’s building department and other stakeholders.

10. (1) Provide homeowner with information and enrollment materials for the local utility’s renewable energy program.

11. (2) Provide the buyer with the first year enrollment costs of 100% of electricity provided by the local utility’s renewable energy program.

12. (1-5) Use suppliers whose operations and business practices include environmental management system concepts (the product, plant, or company must be ISO 14001 or equivalent certified). 1 point per supplier, min. 50% of purchased material coming from each supplier.
   List supplier/product ________________________________

13. (1) Use products that are Cradle to Cradle Certified. (1 point per product.)
   List products ________________________________

14. (3) Builder’s own operations and business practices include environmental management system concepts (the builder must be Green Tier, ISO 14001 or equivalent certified).

15. (5) Perform and review a life cycle assessment (LCA) to compare the environmental effects of building materials and home designs.

16. (3) Building systems commissioning conducted.

17. (1) Homeowner provided with an operations and maintenance manual.

18. (1-5) Utilize an approach not listed that meets the goals of this section.
   List approach ________________________________

SECTION H Subtotal _____________

SECTION I: EFFICIENT USE OF SPACE

1. (1) Above Grade finished and conditioned space 2500-2250 sq.ft.

2. (2) Above Grade finished and conditioned space 2249-2000 sq.ft.

3. (3) Above Grade finished and conditioned space 1999-1750 sq.ft.
4. (4) Above Grade finished and conditioned space 1749-1500 sq.ft.
5. (5) Above Grade finished and conditioned space <1500 sq.ft.
6. (1) Lot size less than 7,500 sq.ft.
7. (1) Provide an accessory dwelling unit (garage apartment, granny flat, etc.)
8. (2) Home designed for flexibility to allow for changing uses in the future (rough-ins for future bathrooms, finish flooring runs under partitions, reconfigurable spaces, etc.)
9. (2) Home utilizes incremental design techniques with documented provisions to expand to meet future growing needs (roof trusses designed for additions, room layouts configured for additions, etc.)
10. (1) Living space provided in a finished basement.
11. (1) Living space provided in a finished attic.
12. (1) Bonus room provided over garage.
13. (1) Home is a unit in a co-housing development.
14. (1) Home shares a common driveway with at least one other building.
15. (1-5) Utilize an approach not listed that meets the goals of this section.
   List approach ____________________________ ____________________________

SECTION I Subtotal

Basic Requirements subtotal

SECTION A Subtotal

SECTION B Subtotal

SECTION C Subtotal

SECTION D Subtotal

SECTION E Subtotal

SECTION F Subtotal

SECTION G Subtotal

SECTION H Subtotal

SECTION I Subtotal

TOTAL

I certify that the preceding information is complete and accurate and that all requirements for Green Built Home certification have been met or exceeded.

________________________
BUILDER’S SIGNATURE

________________________
DATE

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