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 Membership
A Great Investment of Green

Green Built Home Remodeling Project Registration

Company Name

Address

City State Zip

Contact Phone Fax

Email Web site

Submittal Requirements per Project

Project Address: City:

Project title (i.e. kitchen remodel):

Project start date: Project Completion Date:

Has a Green Built Home Remodeling project been certified at this same address before? ☐ YES ☐ NO

☐ Architectural Floor Plans (if applicable to project):
  ☐ Floor plans drawn to scale and fully dimensioned.
  ☐ Provide dimensions of roof eaves and overhangs.

☐ Architectural Elevations (if applicable to project):
  ☐ All elevations drawn to scale.
  ☐ Elevations shall show proposed finished elevation of floor and roofs on all levels.

☐ Architectural Cross Sections (if applicable to project):
  ☐ 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.)

☐ Copies of Home Performance with ENERGY STAR® evaluation reports (if conducted)

Fee Schedule

Please circle one

<table>
<thead>
<tr>
<th>GBH member</th>
<th>Non-member</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Registration Fee</td>
<td>$75 per project</td>
</tr>
</tbody>
</table>

TOTAL FEE: $ ☐ YES ☐ NO

GBH membership fee of $400 per year includes:
Web site listing, marketing materials, GBH logo use (please visit www.greenbuilthome.org for more information)

Please mail form, submittals and payment to:
GREEN BUILT HOME
16 N. Carroll Street, Suite 840
Madison, WI 53703
608-280-0360 • Fax: 608-280-0361
www.GreenBuiltHome.org

** Online payment option available at www.greenbuilthome.org
Here’s how Green Built Remodeled Home works...

Each contractor must register annually as a participating Green Built Home remodeler. If you have not already registered, complete and submit the Remodeler Enrollment Form. Homeowners completing the work themselves (DIY) are not required to submit the Remodeler Enrollment Form. However, for each project, the contractor or homeowner must complete and submit the Green Built Home Remodeling Checklist.

For more information or to download forms, please see our Web site at www.greenbuilthome.org or call 608-280-0360.

Quality Control:

Green Built Home and/or its partners will review completed Checklists, plans, and other submittals, conduct site visits and document that all Basic Requirements and Green Built Specifications are met for every project entered into the program. In addition, all remodels or additions that meet a minimum 30 point or 60 point threshold will be required to have a Home Performance with Energy Star evaluation. Smaller replacement projects that meet the 10 point minimum threshold and include a significant energy component (such as replacing insulation, windows, air-conditioning or heating equipment) will also be required to have a Home Performance with Energy Star evaluation. Contractors or homeowners whose projects do not initially meet program standards will be expected to take corrective action before these projects are certified.

Contractor Responsibilities

Contractors must hire Green Built Home approved verifiers. Contractors will certify that each registered project meets the minimum standards as set forth by the Checklist by providing the GBH certificate, GreenGuide Label and copy of the 3rd party verification report. In addition, the contractor will maintain a record of: 1) a signed copy of the 3rd party verification report and 2) a signed copy of the completed Checklist or a fact sheet with Green Built Specifications that establishes that all the Basic Requirements and related green building features have been incorporated into the home. Contractors will also provide the homeowner with documentation that the home has received a Home Performance with ENERGY STAR evaluation if applicable.

Please note, Green Built Home is only certifying individual remodeling projects, not the entire home. No claims are being made other than the remodeling project named on the Project Registration Form meets the requirements outlined in this Checklist.

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 information located at www.greenbuilthome.org.

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 building for new homes? Green Built Home features information and resources at www.greenbuilthome.org.

Qualifications:

To qualify as a certified Green Built Home Remodeling Project, each project must earn the minimum number of points outlined in the table below.

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Minimum Points Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replacements</td>
<td>Projects limited to the replacement of existing elements such as flooring, windows, siding, roofing, mechanical equipment, fixtures, cabinetry, etc.</td>
<td>10</td>
</tr>
<tr>
<td>Remodels</td>
<td>Projects that may involve the replacement of existing elements but which also involve the alteration or reconfiguration of existing spaces without adding a new foundation or footings.</td>
<td>30</td>
</tr>
<tr>
<td>Additions</td>
<td>New living space is added on a new foundation or footings.</td>
<td>60</td>
</tr>
</tbody>
</table>
Existing Conditions:

Points cannot be earned for existing conditions, products, materials or systems in Replacement Projects. However, points can be claimed for existing conditions, products, materials or systems in Remodels and Additions. Please contact the program office for clarification.

GreenGuide Label:

A GreenGuide label will be provided for each project certified by the Green Built Home program. This label, similar to the yellow Energy Guide labels found on appliances, will provide the homeowner 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.

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Basic Requirements (no points)

1R HOME PERFORMANCE WITH ENERGY STAR IN-HOME EVALUATION:

A Home Performance with ENERGY STAR in-home evaluation must be conducted prior to beginning work on all remodeling projects involving an energy component.

HOME PERFORMANCE WITH ENERGY STAR®

Home Performance with ENERGY STAR works with a network of trained professionals to identify the cause of problems within homes, and to provide solutions to these problems. The program’s goal is to enhance the comfort, safety, durability and energy efficiency of existing homes. For information contact Home Performance with ENERGY STAR at 800-762-7077 or visit www.focusonenergy.com

INTENT: Home Performance with ENERGY STAR is designed to identify and solve a number of home performance problems that benefit homeowners in multiple ways:

- **Added comfort** — determining needs for adequate insulation and finding air sealing opportunities that will result in draft-free rooms
- **Added safety** — testing combustion equipment in the home, such as water heaters and heating systems and identifying whether any indoor air pollutants are a threat
- **Better resale value and improved condition of the home** — solving problems the homeowner may be concerned about, such as drafty rooms, window condensation, ice dams, mold and mildew
- **Added durability** — getting to the bottom of existing moisture issues and identifying problems before they occur
- **Expert partnership** — a network of trained professionals, committed to providing a superior product and service
- **Greater energy efficiency** — an optional computer analysis of the home will predict energy savings for each energy improvement made

Any change made to a home can affect the comfort, safety, and durability of that home. A Home Performance with ENERGY STAR assessment will provide the necessary feedback, so that remodeling projects address any existing problems and make recommendations before the work begins.

Information/How to Implement:

THE ASSESSMENT PROCESS WORKS LIKE THIS:

1. Contact a Home Performance with ENERGY STAR partnering consultant prior to work beginning.
2. The consultant performs an assessment at the home, looking at the home’s structural and mechanical features before work begins.
3. Within seven days, the consultant provides the homeowner and the remodeler with a detailed findings report.
4. Once work is completed, consultant performs the post-work verification and inspection, including filling out any Focus on Energy Cash-Back Reward paperwork should the homeowner be eligible. Post-testing is performed to ensure the highest quality home improvements.
SECTION A: SITING AND LAND USE

A.3 (1) Home located within 0.5 miles of a bus stop, bike route, or transit stop.
A.4 (1) Home located within 0.5 miles of shopping/offices/retail.
A.5 (1) Home located within 0.5 miles of a school.
A.9 (1) Patio, porch or deck located on south side of house to create sunny, wind sheltered outdoor space.
A.10 (1) Screened porch is provided to create an unconditioned, sheltered outdoor space.
A.12 (1-5) Utilize an approach not listed that meets the goals of this section.
List approach: __________________________________________
_______________________________________________________

SECTION A Subtotal _________

SECTION B: LANDSCAPE CONSERVATION AND STORMWATER MANAGEMENT

B.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 if site disturbance occurs.
B.2 (1) Protect on-site storm sewer inlets with straw bales, silt fencing or equivalent measures if site disturbance occurs.
B.3 (1) Save and reuse all site topsoil if site disturbance occurs.
B.4 (1) Trees and natural features on site protected during construction if site disturbance occurs.
B.5 (1) Home and/or addition placement saves east and south lot areas for outdoor use.
B.6 (1) Chip and reuse site-cleared wood and brush as mulch.
B.7 (1) Wash out concrete trucks in slab or pavement sub-base areas.
B.8 (1) Balance cut and fill to eliminate earth removal from site if site disturbance occurs.
B.9 (2) Replant or donate live trees from the site.
B.10 (2) Site disturbance limited to within 20 feet of structures and paved areas.
B.11 (1) Permeable materials such as brick pavers, flagstones, porous paving or limestone fines for 40% of all walkways, patios and driveways.
B.12 (1) Grass that uses less water such as blue gamma, fescue, or ‘no-mow’ min. 75% of turf areas.
List type/supplier __________________________
_______________________________________________________

END BASIC REQUIREMENTS

If the project is a replacement, it must include a minimum of 10 points from the categories listed below (no points allowed for existing conditions).
If the project is a remodel, it must include a minimum of 30 additional points from the categories listed below (points are allowed for existing conditions).
If the project if an addition, it must include a minimum of 60 additional points from the categories listed below (points are allowed for existing conditions).

NOTE: Numbering is not in sequence in order to streamline 3rd party verification across multiple programs.

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

RESOURCES: Home Performance with ENERGY STAR at 800-762-7077 or visit www.focusonenergy.com

2A ENERGY STAR APPLIANCES:
All appliances (clothes washer, dishwasher, refrigerator, microwave oven) provided must be ENERGY STAR or each appliance performs in the top 50% of its Energy Guide rating or if appliances are not included, a list of ENERGY STAR appliances is provided. For lists of ENERGY STAR rated appliances see www.energystar.gov.

2B EROSION CONTROL:
Contractor or homeowner must submit the erosion control plan required for building permits by the local municipality or cause no site disturbance.

2C RECYCLING:
Contractor or homeowner must recycle cardboard as required by state law and use at least one recycled content material (minimum 50% recycled content).

2D TROPICAL HARDWOODS:
No Luan or other tropical hardwoods (plywood, doors, flooring, etc.) are allowed to be added unless certified by Forest Stewardship Council, Smart Wood or approved “third party” organization.

2E PROVIDE GREEN GUIDE LABEL:
This label will be prepared by the GBH program and provided to the contractor or homeowner as part of the project registration process.

2F MERCURY THERMOSTATS:
No permanently installed mercury thermostats are allowed. Existing mercury thermostats must be removed and disposed of properly. All thermostats must be programmable set-back models with an “on” switch for furnace fan to circulate air.
C.3 (1) Garage sited between house and prevailing winter winds to act as a buffer (garage to the north or west of house).

C.4 (1) New deciduous trees 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.

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

INSULATION AND AIR SEALING

C.6 (1) Energy heels of 7” or more on trusses.

C.7 (1) Advanced sealing package in addition to basic sealing practices (sealing at top and bottom plates, corners and between cavities at penetrations).

C.8 (2) Blower door test with 0.15 CFM/sq. ft or less — determined at completion of home. (New Home) OR Blower door test indicating air leakage reduction of at least 20%. (Remodeling)

C.9 (3) Blower door test with 0.10 CFM/sq. ft. or less — to be determined at completion of home. (New Home) OR Blower door test indicating air leakage reduction of at least 30%. (Remodeling)

C.10 (1) Sill plate sealed with caulk (sill plate to foundation and rim to sill plate).

C.11 (1) Gaps between can light housings and drywall caulked.

C.12 (1) Gaps between exhaust fan housings and drywall caulked.

C.13 (1) All penetrations to the exterior are sealed both inside and outside.

C.14 (2) Can lights in insulated ceilings are sealed and insulated.

C.15 (1-5) Utilize an approach not listed that meets the goals of this section.

C.16 (1) Insulate attic pull-down or scuttle to min. R-19

C.17 (1) Insulate rim joists in existing structures.

C.18 (1) Insulate floors over basements or crawlspaces in existing structures.

C.19 (1) Insulate attic knee walls in existing structures.

C.20 (1) Insulate floors over basements or crawlspaces in existing structures.

C.21 (1) Insulate the exterior of the home at 1'-0" from the exterior wall to the exterior of the attic with insulation.

C.22 (1) Insulate the exterior of the home at 1'-0" from the exterior wall to the exterior of the attic with insulation.

C.23 (1) Insulate the exterior of the home at 1'-0" from the exterior wall to the exterior of the attic with insulation.

C.24 (1) Insulate the exterior of the home at 1'-0" from the exterior wall to the exterior of the attic with insulation.

C.25 (1) Insulate the exterior of the home at 1'-0" from the exterior wall to the exterior of the attic with insulation.

C.26 (1) Insulate the exterior of the home at 1'-0" from the exterior wall to the exterior of the attic with insulation.

C.27 (1) Insulate the exterior of the home at 1'-0" from the exterior wall to the exterior of the attic with insulation.

C.28 (1) Insulate the exterior of the home at 1'-0" from the exterior wall to the exterior of the attic with insulation.

C.29 (1) Insulate the exterior of the home at 1'-0" from the exterior wall to the exterior of the attic with insulation.

C.30 (1) Insulate the exterior of the home at 1'-0" from the exterior wall to the exterior of the attic with insulation.

C.31 (1-5) Utilize an approach not listed that meets the goals of this section.

List approach: 

SECTION C: ENERGY EFFICIENCY

SITE DESIGN

C.1 (2) Home and/or addition oriented with long dimension facing within 15 degrees of south

C.2 (1) Massing of home and/or addition respects solar access of adjacent properties by conforming to GBH defined solar access guidelines.
GLAZING
- C.16 (1) Windows are ENERGY STAR qualified or have a U value \( \leq 0.35 \) (NFRC label).
  - List manufacturer

- C.17 (2) Windows have a U value \( \leq 0.26 \) (NFRC label).
  - List manufacturer

- C.18 (1) Windows have an air leakage rating \( \leq 0.06 \) cfm/ft.
  - List manufacturer

- C.19 (1) 25% of windows fitted with insulated window coverings.

- C.20 (1) No metal frame windows in house, including basements, unless thermally broken.

- C.21 (1) East facing glass NFRC label solar heat gain coefficient (SHGC) less than 0.40.
  - List manufacturer

- C.22 (1) West facing glass NFRC label solar heat gain coefficient (SHGC) less than 0.40.
  - List manufacturer

- C.23 (2) South glass shaded by exterior shading in May, June and July at 12 noon.

- C.24 (1) Use clerestory windows for natural lighting in addition or remodeled spaces.

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

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

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

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

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

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

- C.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 #

- C.32 (2) No newly added ductwork located in unconditioned space or exterior walls.

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

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

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

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

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

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

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

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

- C.41 (2) Heat Recovery Ventilator (HRV) installed.
  - List manufacturer & model #

- C.42 (3) Energy Recovery Ventilator (ERV) installed.
  - List manufacturer

- C.43 (3) Geothermal heat pump installed. (ENERGY STAR labeled encouraged).
  - List contractor

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

- C.45 (4) No air conditioning.

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

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

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

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

- C.R10 (2) Existing ductwork removed from building cavities.
APPLIANCES
- C.50 (1) Provide gas rough-in for appliances.
- C.51 Appliances performing in top 10% of the Energy Guide rating (score one point for each appliance).
  - (1) ______ dishwasher
  - (1) ______ refrigerator
  - (1) ______ washing machine
  - (1) ______ Microwave
  - (1-5) Other: List appliance: __________________________

- C.52 (1) Provide an exterior clothesline.
- C.53 (1-5) Utilize an approach not listed that meets the goals of this section.
  List approach: ______________________________________

LIGHTING & ELECTRICAL SYSTEMS
- C.54 (1) Light-colored interior walls, ceiling and soffit. Mid tone to light color flooring/carpet (min. 75%).
- C.55 (1) Install ENERGY STAR qualified light fixtures (min 4 fixtures).
- C.56 (1) Furnish five compact fluorescent light bulbs to homeowner. (ENERGY STAR labeled encouraged).
- C.57 (1) Compact or linear fluorescent lighting in place of incandescent lights.
- C.58 (1) Install lighting dimmers, timers, or motion detectors (min. 4 fixtures).
  Indicate location (4): ____________________________

- C.59 (1) Motion detector activators or photocells/ timers on all exterior lighting.
- C.60 (1) Solar powered walkway or outdoor area lighting (min. 6 fixtures).
- C.61 (1) Solar tube(s) for interior daylighting.
- C.62 (V) Solar photovoltaic system installed (5 pts per kW of generation capacity).
  kW Generation capacity: __________________________
- C.63 (2) Provide south roof area for future solar panels (min. 400 sq. ft. within 15 degrees of south with a roof angle of 20-70 degrees and electrical from the horizontal for a future solar electric system. Roof area should be less than 5% shaded over an annual basis. 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.
- C.64 (3) No can lights added in insulated ceiling.
- C.65 (3) Home has an ENERGY STAR Advanced Lighting Package (ALP).
- C.66 (2) LEDs used in lieu of CFLs or incandescents for general, task or accent lighting
- C.67 (V) Fuel cell installed for electricity generation (5 pts per 5 kW of generation capacity).

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

INTEGRATED CLIMATIC DESIGN
- C.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).
- C.70 (4) Passive cooling design package (includes orientation, summer shading, thermal mass, attic ventilation, additional ceiling fans, heat recovery ventilation and natural ventilation design).
- C.72 (1-5) Utilize an approach not listed that meets the goals of this section.
  List approach: __________________________

SECTION C Subtotal _________

SECTION D: MATERIALS SELECTION

EXTERIOR
- D.1 (1) Design added house features to reduce materials consumption (e.g. patios in place of decks).
- D.2 (1) Masonry and stone salvaged or reused.
  List source __________________________

- D.3 (1) New masonry and stone regionally produced (within 500 miles).
  List supplier __________________________

- D.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: __________________________

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

BELOW GRADE
- D.6 (1) Recycled fly ash concrete (min.15% flyash content).
  List contractor __________________________

- D.7 (2) Cast-in-place insulating concrete form work.
- D.8 (3) Insulated pre-cast concrete foundation systems.
- D.9 (2) Cast in place footing forms with integral drainage features.
  List product: __________________________
D.10 (1) Reusable foundation forms used to reduce waste (e.g. metal rather than site built wood forms).
D.11 (1) Low toxicity form release agents used on concrete form work.
    List product: ________________________________
D.12 (1) Non-asphalt based damp proofing.
    List product: ________________________________
D.13 (1) Water based waterproofing system.
    List product: ________________________________
D.14 (2) Frost protected shallow foundation.
D.15 (1) Reusable foundation bracing not constructed of framing lumber used.
D.16 (1) House built on 3'9" foundation walls (90% of foundation walls).
D.17 (1-5) Utilize an approach not listed that meets the goals of this section.
    List approach: ________________________________

STRUCTURAL FRAME
D.18 (1) Provide weather protection for stored materials.
D.19 (1) No use of 2x10 or greater dimension solid lumber in floor or roof systems.
D.20 (1) Use prefabricated insulated headers.
D.21 (1) Engineered wood "I" joists or truss joists used for floors.
D.22 (1) Trusses or "I" joists used for roofs.
D.23 (1) Engineered lumber products used for beams, joists or headers.
D.24 (1) Finger-jointed studs, engineered stud material, or plate materials used.
D.25 (V) 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
D.26 (3) Use of reused timber or framing lumber (min. 25% lumber of lumber used).
D.27 (2) Use of energy efficient 2x4 exterior wall system.
D.28 (2) Use of panelized construction.
D.29 (4) Use of alternative building systems with significant environmental performance features such as SIPS, ICFs, Fasswall, Autoclaved Aerated Concrete.
    List system ________________________________
D.30 (5) Other climate appropriate natural building system such as strawbale.
    List system ________________________________
D.31 (2) Structural wood that is regionally grown, milled, and produced (at least 50% of wood used).
D.32 (3) Structural wood from (FSC, Smart Wood or equivalent) certified sustainably managed forests (at least 50% of wood used).
D.33 (1) Advanced rim joist insulation (prefabricated insulated rim joist, spray foam insulation, or other similar technique).
D.34 (1) Recycled content steel framing with adequate thermal break used instead of wood.
D.35 (1-5) Utilize an approach not listed that meets the goals of this section.
    List approach: ________________________________

ENVELOPE, WALLS & CEILINGS
D.36 (1) Large roof overhangs to extend life of siding finishes: 24" horizontal projection min.
D.37 (1) Use of non-sealed insulating glazing or sash designs that allow for insulated glazing unit replacement without requiring sash replacement.
D.38 (1) Fiber-cement or wood composite siding installed (min. 50% of siding used).
D.39 (2) Recycled content sheathing (min. 50% pre- or post-consumer recycled content)
    List product: ________________________________
D.40 (1) Recycled content siding used (min. 50% pre-consumer)
    List product: ________________________________
D.41 (2) Recycled content siding used (min. 50% post-consumer).
    List product: ________________________________
D.42 (1) Recycled content fascia, soffit, or trim (min. 50% pre-consumer)
    List product: ________________________________
ROOF
- D.66 (1) Recycled content roofing material (min. 25% recycled content).
  List product: ____________________________

- D.67 (2) Minimum 40 year roofing material.

- D.68 (3) Minimum 50 year roofing material including asphalt, concrete, slate, clay, composition, metal, rubber or fiberglass.

- D.69 (3) Plywood, OSB, or other roof decking from (FSC, Smartwood or equivalent) certified sustainably managed forests (at least 50% of decking used).

- D.70 (1-5) Utilize an approach not listed that meets the goals of this section.
  List approach: ____________________________

SUB-FLOOR
- D.71 (1) Recycled content underlayment (100% of underlayment used).
  List product: ____________________________

- D.72 (3) Plywood or other subfloor from (FSC, Smart Wood or equivalent) certified sustainably managed forests.

- D.73 (1-5) Utilize an approach not listed that meets the goals of this section.
  List approach: ____________________________

FINISH FLOOR
- D.74 (1) Bamboo flooring installed (min. 75sq.ft).

- D.75 (1) Cork flooring installed (min. 75sq. ft.).

- D.76 (2) Flooring made from reclaimed (recycled) wood (min. 50% of wood flooring).

- D.77 (2) Recycled content ceramic tile - (min. 50% of tile used).

- D.78 (2) Salvaged stone or masonry flooring.

- D.79 (1) Recycled content carpet pad (100% of pad used).

- D.80 (1) Recycled content carpet (min. 50% of carpet used).

- D.81 (2) Carpet provided by a company that agrees to take it back for recycling at end of its useful life.

- D.82 (3) Flooring from (FSC, Smart Wood or equivalent) certified sustainably managed forests (min. 50% of wood flooring).

- D.83 (2) No vinyl flooring or base trim.

- D.84 (1-5) Utilize an approach not listed that meets the goals of this section.
  List approach: ____________________________

- D.R1 (2) Reuse existing flooring materials (min. 50% of flooring in areas affected by remodeling).
SECTION E: INDOOR AIR QUALITY

- **E.1** (1) Take measures to avoid air pollution or IAQ problems due to construction dust.
- **E.2** (2) Garage physically separated from house
- **E.3** (1) 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
- **E.4** (1) Foundation drainage system tied to sealed sump pit for potential radon mitigation.
- **E.5** (1) Locked, vented chemical storage cabinet provided outside of living space.
- **E.6** (1) Operable windows on two walls for rooms with two exterior wall surfaces.
- **E.7** (1) High efficiency media air cleaner such as April Aire 2200/2250/2400. Choose only one of E.7, E.8, or E.9.
- **E.8** (1) Furnace and/or duct mounted electronic air cleaner such as April Aire 5000. Choose only one of E.7, E.8, or E.9.
- **E.9** (1) Furnace and/or duct mounted HEPA filter. Choose only one of E.7, E.8, or E.9.
- **E.10** (2) All ductwork joints sealed with water based, low V.O.C. mastic (< 30g/l) or metalized tape.
- **E.11** (2) Hydronic heating system (serving min. 50% of conditioned space).
- **E.12** (2) Central vacuum system vented to the exterior (excludes garage).
- **E.13** (1) ENERGY STAR qualified residential ventilating (bath) fans.
  - List manufacturer & model # ____________________________
- **E.14** (4) House meets American Lung Association Health House standards.
- **E.15** (1) Automatic tub/shower room fan controls such as timers or humidistats.
- **E.16** (1) Bath fans installed with smooth ducting with short, straight runs.
- **E.17** (1) Spring loaded, weather stripped fan dampers installed.
- **E.18** (2) Whole house dehumidification system installed.
- **E.19** (1) Free-standing, high efficiency, high capacity dehumidifier with built-in heater.
- **E.20** (1) Use non-toxic cleaners.
- **E.21** (1) Ventilate the home after each new finish is applied.
- **E.22** (1) Clean ducts and furnace thoroughly after construction.
- **E.23** (1) Washed stone installed under basement slab for potential radon mitigation.
- **E.24** (1) Rough-in venting provided for potential radon mitigation.
- **E.25** (1) UV light in supply duct.
- **E.26** (1-5) Utilize an approach not listed that meets the goals of this section.
  - List approach: ______________________________________
- **E.R1** (1) Isolate construction from non-construction spaces.
- **E.R2** (1) Install CO detector(s)
- **E.R3** (1) Conduct radon or lead testing.

IAQ MATERIALS

- **E.27** (2) Formaldehyde-free insulation.
- **E.28** (1) GreenGuard or equivalent certified low formaldehyde insulation.
- **E.29** (1) Batt insulation that is encapsulated or otherwise non-irritating.
- **E.30** (2) Non-toxic spray foam insulation.
- **E.31** (1) Urea formaldehyde-free sub-floor and underlayment material.
  - List approach: ______________________________________

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

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

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

IAQ FINISHES AND ADHESIVES
❑ E.43 (V) Low V.O.C paints (less than 250 g/l for water based, less than 380 g/l for solvent based) used throughout. One point each:
  ___ interior primer,
  ___ interior finish,
  ___ exterior primer,
  ___ exterior finish
  
  List supplier/product

❑ E.44 (V) 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

❑ E.45 (V) Water based, “low V.O.C.” adhesives used throughout. One point each:
  ___ construction adhesive,
  ___ cove base adhesive,
  ___ PVC adhesive,
  ___ thinset mortar,
  ___ other
  
  List supplier/product

❑ E.46 (1) Water-based urethane finishes on wood floors.
❑ E.47 (1) Water-based finishes on woodwork.
❑ E.48 (1) Supply workers with V.O.C. safe masks.
❑ E.49 (1-5) Utilize an approach not listed that meets the goals of this section.
  
  List approach:

SECTION E Subtotal ________

SECTION F: PLUMBING AND WATER CONSERVATION
❑ F.1 (1) Front loading, horizontal axis clothes washer.
❑ F.2 (1) Select bathroom faucets with GPM less than code or install low flow aerators.
❑ F.3 (1) Select kitchen faucets with GPM less than code or install low flow aerators.
❑ F.4 (1) Select showerheads with GPM less than code or install low flow aerators.
❑ F.5 (1) Manifold plumbing system with PEX tubing.
❑ F.6 (2) Composting toilet.
❑ F.7 (2) Rough-in for future greywater recovery system.
❑ F.8 (4) Greywater recovery system installed for domestic use.
❑ F.9 (1) No garbage disposal.
❑ F.10 (2) No PVC piping for drains, wastes and vents.
❑ F.11 (1) All showers are equipped with only one showerhead.
❑ F.12 (1) Dual flush or ultra low flow toilet with GPF less than code.
❑ F.13 (1) Passive or loop hot water delivery system installed at farthest location from water heater (lines must be insulated).
❑ F.14 (1-5) Utilize an approach not listed that meets the goals of water conservation.
  
  List approach:
WATER HEATING

❑ F.15  (1) Gas water heater with energy factor of more than .62 for direct vented.
  List manufacturer & model # ________________________________

❑ F.18  (1) Water heater located within 20 pipe feet of dishwasher and clothes washer.

❑ F.19  (1) All other fixtures within 20 pipe feet of water heater or provide heat trap.

❑ F.20  (2) Insulate all hot water lines to minimum R-4. Choose F.20 or F.21.

❑ F.21  (1) Insulate hot and cold water pipes 3 feet from the hot water heater. Choose F.20 or F.21.

❑ F.22  (3) On-demand (tankless) hot water delivery system.
  List manufacturer & model # ________________________________

❑ F.23  (1) Water heater heat pump.
  List manufacturer & model # ________________________________

❑ F.24  (3) Drain water heat recovery unit installed.

❑ F.25  (2) Combined high efficiency domestic hot water/ space heating system.

❑ F.26  (2) Provide south roof area for future solar domestic hot water heating system (min. 30 sq. ft. within 15° of south with a roof angle of 30°-50°) and plumbing rough-in for solar water heating system (separate cold water supply plumbed to roof and hot water return plumbed to water heater). Count points for F.27 or F.28

❑ F.27  (4) Active solar domestic hot water heating system installed (Min. 50% of water heating load). Count points for F.27 or F.28

❑ F.28  (1) Water heater timer installed.

❑ F.29  (1-5) Utilize an approach not listed that meets the goals of this section.
  List approach: ____________________________________________

❑ F.R1  (1) Passive or loop hot water delivery system installed at farthest location from water heater.

SECTION F Subtotal _________

SECTION G: WASTE REDUCTION, RECYCLING AND DISPOSAL

❑ G.1  (1) Posted job site recycling plan.

❑ G.2  (V) Recycle or reuse job site waste (glass, aluminum cans and plastic bottles and cardboard are required to be recycled by law and receive NO points).
  1 point for each material:
  __________________________________________________________________________
  ______ metal (75% landfill diversion)
  ______ gypsum wall board (75% landfill diversion)
  ______ brick and block (75% landfill diversion)
  ______ other — list:_____________________________________________________________

❑ G.3  (1) Obtain products from suppliers that use recyclable or reusable packaging or arrange to take back their packaging.
  List supplier(s): ____________________________________________________________

❑ G.4  (1) Reuse or recycle asphalt or concrete rubble.

❑ G.5  (2) Require subcontractors (contract language) to participate in waste reduction and recycling efforts.

❑ G.6  (1) Dispose of non-recyclable hazardous wastes at legally permitted facility.
  List waste: ________________________________________________________________

❑ G.7  (1) Install garage recycling center for homeowner use.

❑ G.8  (1) Built-in kitchen recycling center to include two or more bins.

❑ G.9  (1) Provide kitchen scrap compost bin.

❑ G.10  (2) Track and prominently post waste reduction results on site.

❑ G.11  (1) On site grinding of wood construction debris.

❑ G.12  (1) Document substantial design strategies to reduce waste from construction/demolition.

❑ G.13  (2) Design for disassembly, reuse, and recyclability.

❑ G.14  (1) Donate excess or salvaged materials to a non-profit organization or charity.

❑ G.15  (5) Disassemble existing buildings and reuse or recycle the building materials (deconstruction) instead of demolishing (at least 75% landfill diversion).

❑ G.16  (1-5) Utilize an approach not listed that meets the goals of this section.
  List approach: _______________________________________________________________

❑ G.R1  (V) Salvage or reuse old building materials (on or off site), 1 point for each material category:
  __________________________________________________________________________
  ______ appliances (75% reuse)
  ______ cabinets, millwork, or trim (75% reuse)
  ______ wood floors (75% reuse)
  ______ doors (75% reuse)
  ______ bathhtubs or sinks (75% reuse)
  ______ other (75% reuse)
  list:______________________________________________________________

SECTION G Subtotal _________
SECTION H: BUILDER OPERATIONS

❑ H.1 (1) At least 80% of projects built to Green Built Home standards annually.

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

❑ H.3 (1) Conduct homeowner orientation during final walk-through (point out Green Built features, how to maintain them, operate them, etc).

❑ H.4 (1) At least one recent training event conducted for subcontractors or staff.

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

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

❑ H.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:_______________________________________

❑ H.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.

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

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

❑ H.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. (max. 5 points).
  List supplier(s)/ product(s):_______________________

❑ H.13 (V) Use products that are Cradle to Cradle Certified. 1 point per product.
  List product:____________________________________
  List product:____________________________________
  List product:____________________________________
  List product:____________________________________
  List product:____________________________________

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

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

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

❑ H.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

❑ I.1 (1) Above Grade finished and conditioned space 2000-1750 sq.ft.

❑ I.2 (2) Above Grade finished and conditioned space 1749 - 1500 sq.ft.

❑ I.3 (3) Above Grade finished and conditioned space 1499 - 1250 sq.ft.

❑ I.4 (4) Above Grade finished and conditioned space 1249 - 1000 sq.ft.

❑ I.5 (5) Above Grade finished and conditioned space <1000 sq.ft.

❑ I.6 (1) Lot size less than 7,500 sq.ft.

❑ I.7 (1) Provide an accessory dwelling unit (garage apartment, granny flat, etc.)

❑ I.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.)

❑ I.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.)
❑ I.10 (1) Living space provided in a finished basement.
❑ I.11 (1) Living space provided in a finished attic.
❑ I.12 (1) Bonus room provided over garage.
❑ I.13 (1) Home is a unit in a co-housing development.
❑ I.14 (1) Home shares a common driveway with at least one other building.
❑ I.15 (1-5) Utilize an approach not listed that meets the goals of this section.
   List approach: ________________________________
❑ I.R1 (1) Indoor spaces are provided that are common to multiple units.
❑ I.R2 (1) Home is a unit in a multifamily housing development.

SECTION I Subtotal _________

Basic Requirements Subtotal __N/A__

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 a certified Green Built Home Remodeling Project have been met or exceeded.

X________________________________________________________
Builder’s Signature

________________________
Date

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Green Built Home was founded in 1999 by Wisconsin Environmental Initiative in partnership with the Madison Area Builders Association. Green Built Home is administered throughout the state of Wisconsin and reaches thousands of homebuyers and builders through our collaborations with Builders Associations and other affiliated organizations.