

TimberLogic LLC
P.O. Box 490, Hartland, VT 05048
Ph: 802-738-WOOD
info@timberlogic.com
www.timberlogic.com



April 6, 2009

Dave Kimball
Shelter-Kit Incorporated
22 Mill Street
Tilton, NH 03276

RE: Verification of Green Building Contribution

To Whom It May Concern,

This letter is provided as verification of the contribution of a Shelter-Kit materials package toward the necessary points to achieve certification in the National Association of Home Builders (NAHB) National Green Building Certification Program (NGBP). This report is based on the ANSI Standard ICC700-2008 *National Green Building Standard*, published by NAHB in 2009. All references and materials identified in this letter correspond to this Standard.

TimberLogic LLC is an independent consulting company specializing in wood construction systems. As principle owner, Rob Pickett is a NAHB Certified Green Professional (CGP), has pledged to the CGP Code of Ethics, and is accredited by the NAHB Research Center, Inc. as Verifier #V49, and is listed on <http://www.nahbgreen.org/Certification/findverifier.aspx> under Vermont, New Hampshire and Massachusetts.

Shelter-Kit is a company that produces and distributes pre-cut packages for construction of residential structures. With design and production facilities in Tilton, NH, Shelter-Kit has provided a set of typical documents as a sample project. The final documents referenced and associated with this letter set the specifications necessary to achieve the points toward certification. These points are attributed to a specific project only when they are verified on-site during the rough and/or final inspection by an NAHB Green Building Certification Program accredited Verifier.

This verification acknowledges that a materials package alone cannot achieve certification: Only the completed project can be assessed for NGBP certification. For example, the Shelter-Kit materials package and documentation cannot contribute points that can be achieved in Section 2 *Lot Design, Preparation, and Development* of the Standard. However, Shelter-Kit has committed to promote green building practices by adding specifications to the project plans that they develop for their customers.

Sincerely,

A handwritten signature in black ink, appearing to read "Rob Pickett".

Rob Pickett, CGP
Accredited Verifier #V49 for NAHB Green Building Certification



Verification of Green Building Contribution: Shelter-Kit

This document review is intended to provide a listing of all points that can be attributed to this building system on a typical project, to assist in the verification process, and promote the use of green building practices. If all specifications and assembly instructions are executed per the accompanying documents, the contribution of the building system can be summarized below:

The following report is a result of a document review of the proprietary building system manufactured by Shelter-Kit. This sample project is identified as the "Green Home Model." The accompanying documents to this report are:

- Sample building plans dated Feb. 27, 2009, a 24'x32' Shelter-Kit Green Home Model
- Construction manual and delivery documents: These are prepared specifically for each project and include delivery and include delivery, unloading and storage instructions. A sample is attached, dated Feb. 26, 2009.
- Manufacturing facility location: 22 Mill Street, Tilton, NH 03276



Photo 1 - A completed Shelter-Kit home similar to the Green Home Model represented by the documents reviewed.

Green Building Assessment - ANSI/ICC700-2008 National Green Building Standard

Summary of Sections

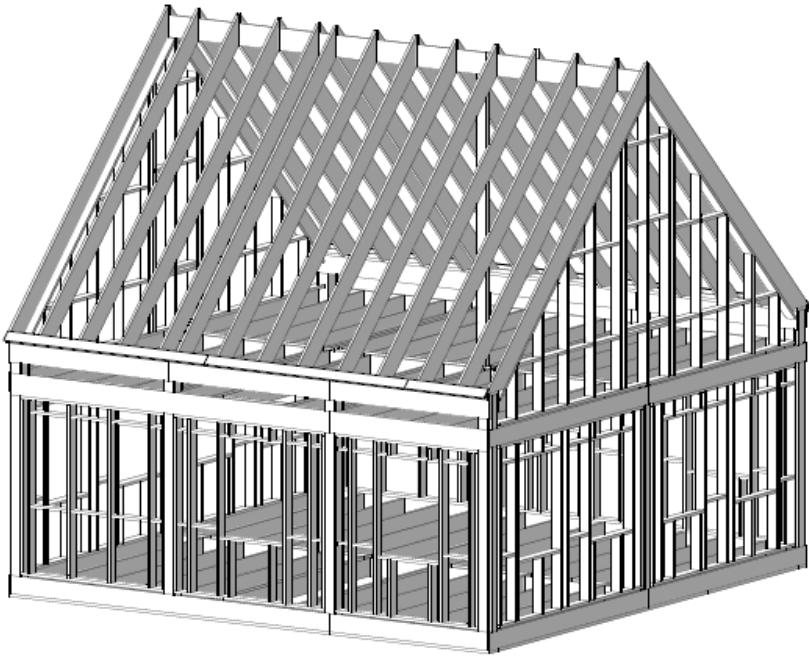
Chapter	Description	Assessed Points	Points required to achieve			
			Bronze	Silver	Gold	Emerald
5	Lot Design, Preparation and Development	0	39	66	93	119
6	Resource Efficiency	113	45	79	113	146
7	Energy Efficiency	27	30	60	100	120
8	Water Efficiency	3	14	26	41	60
9	Indoor Environmental Quality	45	36	65	100	140
10	Operation, Maintenance, and Homeowner Education	0	8	10	11	12
	Additional points from any section	0	50	100	100	100
Totals		188	222	406	558	697

NOTE: An additional 3 points in Chapter 6, 52 points in Chapter 7, 33 points in Chapter 8, and 2 points in Chapter 9 or more can be achieved by specifying, installing and verifying ENERGY STAR® and EPA WaterSense® products and systems. See the individual line items following the list of points available by using Shelter-Kit packages.


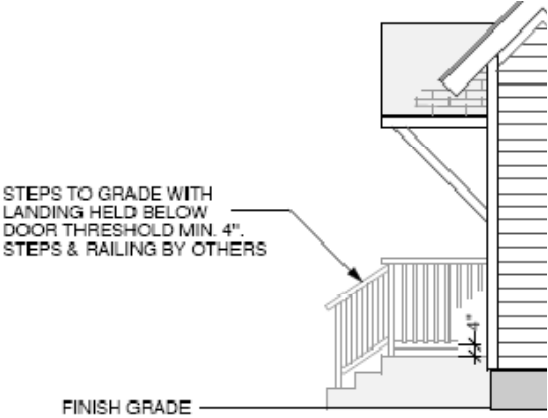

Chapter 5: Lot Design, Preparation, and Development

No points are assessed for this section. It is highly recommended that the homeowner/builder achieve a minimum of 93 points. This is the minimum point total for Gold certification.

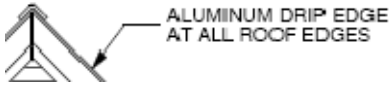
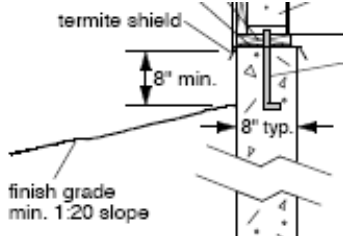

Chapter 6: Resource Efficiency

Assessed Points	Available Points	Section from ANSI-NAHB-ICC700 National Green Building Standard
601 Quality of Construction Materials and Waste		
12	1-15	<p>601.1 Conditioned floor area is limited</p> <p>(1) Less than or equal to 1,000 square feet -- 15 pts. (2) Less than or equal to 1,500 square feet -- 12 pts. (3) Less than or equal to 2,000 square feet -- 9 pts. (4) Less than or equal to 2,500 square feet -- 6 pts. (5) Greater than 4,000 square feet. (For every 100 sf over 4,000 sf, 1 pt. is added to Table 303, Category 7)</p> <p>Three bedrooms, 1,170 sf gross area, first and second floor.</p>
9	3 each, Max. 9	<p>601.2 Structural systems/advanced framing techniques optimize material usage</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> 19.2-inch or 24-inch on-center framing, floor systems <input checked="" type="checkbox"/> 19.2-inch or 24-inch on-center framing, bearing walls <input checked="" type="checkbox"/> 24-inch on-center framing, roof systems <input type="checkbox"/> 24-inch on enter interior partitions <input checked="" type="checkbox"/> Single top plate walls <input checked="" type="checkbox"/> Right-sized headers or insulated (box) headers (where required) <input checked="" type="checkbox"/> Eliminate headers in non-bearing walls <input checked="" type="checkbox"/> Doubling the rim joist in lieu of header (2x6 or deeper wall framing) <input checked="" type="checkbox"/> Ladders blocking at interior-wall-to-exterior-wall intersections <input type="checkbox"/> Two-stud corner framing <p>The post and beam wall framing system provides unique material efficiency and structural benefits.</p> 
601.3 Building dimensions/layouts are designed to reduce material cuts and waste:		
3	3	<input checked="" type="checkbox"/> When used for at least 80% of floor area
3	3	<input checked="" type="checkbox"/> When used for at least 80% of wall area

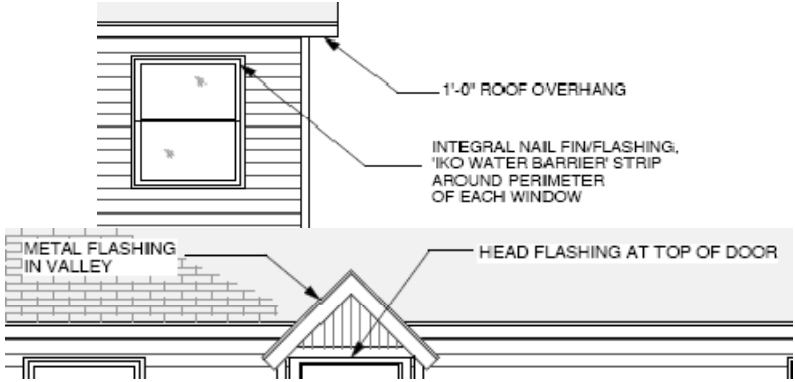

Verification of Green Building Contribution: Shelter-Kit

Assessed Points	Available Points	Section from ANSI-NAHB-ICC700 National Green Building Standard																		
	13	<input type="checkbox"/> Above-grade modular or manufactured construction for the entire building.																		
4	4 Max. 8	601.6 Stories above grade are stacked. 4 pts. For first stacked story, 2 pts. Per additional story Applicable as shown on Sheet 4 of plans.																		
15	5 each for 90% 2 each for 50% of each material	601.7 Materials/assemblies not requiring additional site-applied finish materials <ul style="list-style-type: none"> <input type="checkbox"/> pigmented, stamped, decorative, or final finish concrete or masonry <input checked="" type="checkbox"/> trim not requiring paint or stain <input checked="" type="checkbox"/> window, skylight, and door assemblies not requiring paint or stain on exterior and/or interior surfaces <input checked="" type="checkbox"/> wall coverings or systems not requiring paint or stain or other type of finishing application Prefinished siding and vinyl framed windows are used in sample project. <div style="margin-top: 10px;"> <table style="border: none;"> <tr><td style="padding-right: 10px;">SIDING</td><td></td></tr> <tr><td>PRE-FINISHED SIDING & TRIM</td><td></td></tr> <tr><td>mtg. _____</td><td></td></tr> <tr><td>model _____</td><td></td></tr> <tr><td>color _____</td><td></td></tr> <tr><td>TRIM</td><td></td></tr> <tr><td>mtg. _____</td><td></td></tr> <tr><td>model _____</td><td></td></tr> <tr><td>color _____</td><td></td></tr> </table> <div style="display: inline-block; vertical-align: middle; margin-left: 20px;">  </div> </div>	SIDING		PRE-FINISHED SIDING & TRIM		mtg. _____		model _____		color _____		TRIM		mtg. _____		model _____		color _____	
SIDING																				
PRE-FINISHED SIDING & TRIM																				
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602 Enhanced durability and reduced maintenance																				
4	3 - main entry 1 each - others	602.1 Provide covered entry (awning, covered porch) at exterior doors. Plan specific. <div style="text-align: right; margin-top: 20px;">  </div>																		
4	4	602.2 Use recommended-sized roof overhangs for the climate. Standard overhangs of 12" on rake and 18" on eave qualify for points in climates with an index less than 70. <div style="margin-top: 10px;">  </div>																		
602.3 Foundation Drainage																				
Mandatory		602.3.1 Install perimeter drain for all basement footings properly sloped. Applicable as detailed on plans.																		
	4	602.3.2 Interior and exterior foundation perimeter drains																		

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Assessed Points	Available Points	Section from ANSI-NAHB-ICC700 National Green Building Standard
3	3	<p>602.4 Install drip edge at eave and gable roof edges. Applicable as noted on Sheet 5 Front Elevation.</p>  <p style="text-align: right;">ALUMINUM DRIP EDGE AT ALL ROOF EDGES</p>
NA	4	<p>602.5 Gutter and downspout system to divert water 5' from foundation. Applicable as detailed on plans.</p>
Mandatory		<p>602.6 Divert surface water from all sides of building (slope 6" fall in 10' run) Applicable as detailed on Sheet 1, Foundation plans.</p>  <p style="text-align: center;">termite shield 8" min. 8" typ. finish grade min. 1:20 slope</p>
4	4	<p>602.7 Install continuous and physical foundation termite barrier. Applicable as detailed above.</p>
NA	2, 4 or 6	<p>602.8 Use termite-resistant materials for walls, floor joists, trusses, etc. -- Foundation, all structural walls, floors, concealed roof spaces, exterior decks, and exterior claddings within the first 2 feet above the top of the foundation.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Slight to moderate termite infestation probability - 2 pts. <input type="checkbox"/> Moderate to heavy termite infestation probability - 4 pts. <input type="checkbox"/> Very heavy termite infestation probability – 6 pts. <p>Applicable as detailed on plans.</p>
Mandatory		<p>602.9 Provide a water-resistive barrier behind the exterior veneer or siding as required by the ICC IRC or IBC. Applicable as noted on plans.</p>
Mandatory		<p>602.10 Install ice flashing at roof's edge. (where ice damming is a problem) Applicable as noted on Sheet 8, Right Elevation; Ice & Water Shield® or equivalent to be applied at drip edge and valleys.</p>  <p style="text-align: right;">'IKO WATER BARRIER' ICE FLASHING EXTENDING UP ROOF A MINIMUM OF 8' TO A POINT AT LEAST 2' INSIDE OF EXTERIOR WALLS AND FULL LENGTH OF VALLEYS</p>
NA	4	<p>602.11 Install enhanced foundation waterproofing.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Rubberized coating <input type="checkbox"/> Drainage mat <p>Applicable as noted on plans.</p>

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Assessed Points	Available Points	Section from ANSI-NAHB-ICC700 National Green Building Standard
6	6	<p>602.12 Employ and show on plans all flashing details.</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Around windows and doors <input checked="" type="checkbox"/> Roof valleys <input checked="" type="checkbox"/> Deck/balcony to building juncture <input checked="" type="checkbox"/> Roof/wall junctions, chimney step flashing <input checked="" type="checkbox"/> Drip cap above windows and doors <p>Applicable as detailed on plans.</p> 
NA	3	602.13 Energy Star Cool Roof or landscaped roof
NA	3 Max. 6	<p>602.14 Occupant recycling effort is facilitated by</p> <ul style="list-style-type: none"> <input type="checkbox"/> A built-in collection space in each kitchen and an aggregation/pick-up space in a garage, covered outdoor space, or other area for recycling containers. <input type="checkbox"/> Compost facility provided on-site.
603 Reused or Salvaged Materials		
4	4	<p>603.3 Sorting and reuse of scrap building materials is facilitated (central storage, dedicated bins)</p> <p><i>In-plant processes salvage cutoff materials in bins for recycling or reuse. See photo below.</i></p> 
604 Recycled-Content Building Materials		
NA	1 to 6	604.1 Building materials with recycled content are used.
605 Recycled Construction Waste		

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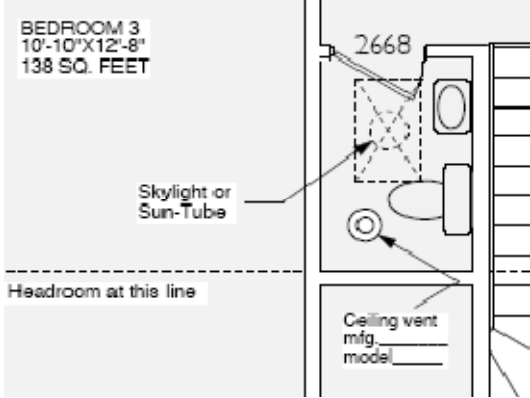
Assessed Points	Available Points	Section from ANSI-NAHB-ICC700 National Green Building Standard
3	3 for 2 materials 1 for add'l. Max. 6	605.3 Construction materials, such as wood, cardboard, metals, drywall, plastic, asphalt roofing shingles, or concrete are recycled offsite. Recycling done in plant.
		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-right: 1px solid black; padding: 2px;"> <input checked="" type="checkbox"/> Wood <input checked="" type="checkbox"/> Cardboard <input type="checkbox"/> Metal <input type="checkbox"/> Drywall </td> <td style="width: 50%; padding: 2px;"> <input type="checkbox"/> Plastic <input type="checkbox"/> Shingles <input type="checkbox"/> Concrete <input type="checkbox"/> Other </td> </tr> </table>
<input checked="" type="checkbox"/> Wood <input checked="" type="checkbox"/> Cardboard <input type="checkbox"/> Metal <input type="checkbox"/> Drywall	<input type="checkbox"/> Plastic <input type="checkbox"/> Shingles <input type="checkbox"/> Concrete <input type="checkbox"/> Other	
606 Renewable Materials		
		606.1 Biobased products are used <input checked="" type="checkbox"/> <i>KD lumber, OSB sheathing (Advantec subfloor, Huber Engineered Woods sheathing), iLevel Trus Joist Parallam PSL columns, iLevel Trus Joist Microllam LVL headers – Green Approved Product Certificate #00004</i>
	3	<input type="checkbox"/> Two types used, each >0.5% of total material cost
6	6	<input checked="" type="checkbox"/> Two types used, each >1% of total material cost
	1 per Max. 2	<input type="checkbox"/> For each additional material >0/5% of total material cost
		606.2 Wood or wood-based product types are certified to the requirements of a recognized product program <i>KD lumber, OSB sheathing (Advantec subfloor, Huber Engineered Woods sheathing), iLevel Trus Joist Parallam PSL columns, iLevel Trus Joist Microllam LVL headers – Green Approved Product Certificate #00004</i>
	3	<input type="checkbox"/> Two or more products used for minor elements
4	4	<input checked="" type="checkbox"/> Two or more products used for major elements
	2 each Max. 6	606.3 Materials for major components of the building which are made with primary energy derived for manufacturing from renewable sources, combustible waste sources, or renewable energy credits (RECs) are used. The sources provide at least 33% of the primary manufacturing process energy.
607 Resource-Efficient Materials		
3	3 each Max. 9	607.1 Products used contain fewer materials to meet the same end use requirements as conventional products <input type="checkbox"/> Lighter, thinner brick with bed depth less than 3 inches, brick with coring above 25%, or both. <input checked="" type="checkbox"/> Engineered wood or engineered steel products. <i>iLevel Trus Joist Parallam PSL columns, iLevel Trus Joist Microllam LVL headers – Green Approved Product Certificate #00004</i> <input type="checkbox"/> Roof or floor trusses. <input type="checkbox"/> <i>Other:</i>
608 Indigenous Materials		
4	2 each material Max. 10	608.1 Indigenous materials are used for major elements of the building. <i>OSB products & EWP siding, both from Maine</i> <i>Note: These points are limited to shipments within a 500 mile radius of Tilton, NH.</i>
609 Life Cycle Analysis		
NA	1 per 1% Max. 10	609.1 Product manufacturer's operations are ISO 14001 certified. Per 1% or more of the estimated total building materials cost.

Chapter 7: Energy Efficiency

Only those sections applicable to the building system are included below.

Assessed Points	Available Points	Section from ANSI-NAHB-ICC700 National Green Building Standard
Mandatory	701.4 Mandatory Practices	
		701.4.2 Where installed, as a primary heat source in the building, radiant or hydronic space heating system is designed using industry-approved guidelines such as one of the following: <ul style="list-style-type: none"> <input type="checkbox"/> (1) Space heating/cooling per ACCA Manual J <input type="checkbox"/> (2) Radiant heating system designed per industry guidelines
		701.4.2.1 Ducts are sealed with UL 181 tape, mastic, gaskets, or an approved system as required by the IRC (Section M1601.3.1) or IMC (Section 603.9) to reduce leakage.
		701.4.2.2 Building cavities are not used as supply ducts.
		701.4.3.1 Insulation and Air Sealing <ul style="list-style-type: none"> <input type="checkbox"/> Insulation shall be installed in accordance with the manufacturer’s instructions or local code, as applicable. <input type="checkbox"/> Shafts (Duct Shaft, Piping Shaft/Penetrations, Flue Shaft) - Openings to unconditioned space are fully sealed with solid blocking or flashing and any remaining gaps are sealed with caulk or foam. Where required, fire-rated collars and caulking are installed.
		701.4.3.2 Floors (Includes Insulated Floor Above Garage, Cantilevered Floor)/ Foundation / Crawlspace <ul style="list-style-type: none"> <input type="checkbox"/> Insulation is installed to maintain permanent contact with the underside of the subfloor decking, enveloping any attached ductwork within the thermal envelope without compression or air gaps in the insulation. Exception: Where ducts or other mechanical equipment are adjacent to the underside of the subfloor <input type="checkbox"/> Batt and loose-fill insulation is held in place by permanent attachments or systems per manufacturer’s instructions. <input type="checkbox"/> Where insulated, crawlspace wall insulation is permanently attached to the walls. Exposed earth in unvented crawlspaces is covered with continuous vapor retarder with overlapping joints taped or masticed. <input type="checkbox"/> Between Foundation and Sill Plate Bottom Plate - Sill sealer, or other material that will expand and contract, shall be installed between foundation and sill plate.
		701.4.3.3 Walls <ul style="list-style-type: none"> <input type="checkbox"/> Windows and Doors - Caulking, gasketing, adhesive flashing tape, foam sealant, or weatherstripping is installed forming a complete air barrier. <input type="checkbox"/> Band Joist / Rim Joists - Band/rim joists are insulated and air sealed. <input type="checkbox"/> Caulk or the equivalent is installed to seal the bottom plate of exterior walls. <input type="checkbox"/> Skylights and Knee Walls - Skylight shafts and knee walls are insulated to the same level as the exterior walls. <input type="checkbox"/> Exterior Architectural Features - Code required building envelope insulation and air sealing is not disrupted at exterior architectural features such as stairs and decks.
	701.4.3.4 Ceilings and Attics <ul style="list-style-type: none"> <input type="checkbox"/> Attic Access (except Unvented Attic) - Attic access, knee wall door, or drop down stair is covered with insulation and gasketed. Knee wall door is insulated unit or is covered with insulation. <input type="checkbox"/> Recessed Lighting - Recessed light fixture is airtight, IC rated, and sealed with gasket, caulk, or foam, unless within the thermal envelope. <input type="checkbox"/> Eave Vents - For ceiling/attic assemblies or designs that have eave vents, baffles, or other means shall be utilized to minimize air movement into or under the insulation. 	
	701.4.4 Fenestration <ul style="list-style-type: none"> <input type="checkbox"/> NFRC-certified windows, exterior doors, skylights, and tubular daylighting devices (TDDs) are in accordance with ENERGY STAR, or equivalent, or Table 701.4.6. Exception: Decorative fenestration elements up to 15 square feet or 10% of the total glazing area, whichever is less. 	

Verification of Green Building Contribution: Shelter-Kit

Assessed Points	Available Points	Section from ANSI-NAHB-ICC700 National Green Building Standard		
703.1 Building Envelope (Prescriptive Path)				
0	0 to 6	703.1.3 More than 75% of the above-grade exterior opaque wall area of the building is mass walls. Table 703.1.3 Exterior Mass Walls		
		Climate Zone	≥3" to <6" width	≥ 6" width
		1, 2, 3, 4 except marine, and 5 dry	4 points	6 points
		4 marine, 5 except dry, and 6 7 and 8	3 points 0 points	5 points 0 points
3	3	703.2.1.1 Insulation and air sealing, no third party verification performed (15 pts. when verified)		
10	6 to 12	703.3.1 NFRC-certified enhanced fenestration specifications. Points (applicable to all climate zones) taken per Table 703.3.1(b) based on window specification per plan: <div style="text-align: center; border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> WINDOWS COASTAL INDUSTRIES S/610 VINYL, DOUBLE HUNG & SLIDER UNIT SIZE SHOWN IN INCHES WxH LOW E, ARGON FILLED PANELS R 4.2, U .24 </div>		
NA	1 per Bldg.	703.4.7 Energy Star, or equivalent, ceiling fans are installed. Applicable as detailed on plans.		
NA	2 per Bldg.	703.4.8 Whole-house/dwelling unit fan with insulated louvers and a sealed enclosure is installed. Applicable as detailed on plans.		
2	2 per Bldg.	704.2.4 Tubular daylighting device (TDD) or a skylight with sealed, insulated, low-E glass is installed in all rooms without windows. Applicable as noted on Sheet 4 of plans. <div style="text-align: center;">  </div>		
704.4.4 HVAC design, equipment, and installation				
12	12	704.4.4 When installing ductwork: 1. No building cavities used as ductwork, e.g., panning joist or stud cavities. 2. All HVAC ducts and mechanical equipment within conditioned envelope. 3. No ductwork installed in exterior walls. Applicable as noted on Sheet 9 of plans.		

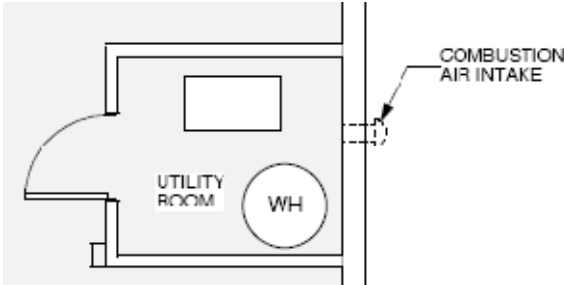
Chapter 8: Water Efficiency

Only those sections applicable to the building system are included below.

Assessed Points	Available Points	Section from ANSI-NAHB-ICC700 National Green Building Standard
801 Indoor and Outdoor Water Use		
	2	801.1 Indoor hot water usage is reduced by one of the following: Applicable as noted on plans. From sample plans dated 25FEB09: HOT WATER LINES KITCHEN SINK 23' FIRST FLOOR SINK 16'-0" TUB 14' LOFT BATH SINK 30'-0" 1. All hot water piping which runs to the plumbing fixtures in both the kitchen and bathrooms shall be 40-feet or less in length from the water heater and shall be sized in accordance with the code for the specified application, or
3	3	2. All hot water piping which runs to the plumbing fixtures in both the kitchen and bathrooms shall be 30-feet or less from the water heater and shall be sized in accordance with the code for the specified application, or
	6	3. One of the following piping system designs is implemented: <input type="checkbox"/> Use of structured plumbing with demand controlled hot water loops, in which the volume of water contained in the pipe and fixture fittings downstream of the recirculating trunk line is no more than 4 cups (28.9 cubic inches = 0.125 gallons) or,
	6	<input type="checkbox"/> Implement an engineered parallel piping system (i.e. manifold system) in which the hot water line distance from the water heater to the parallel piping system is less than 15 feet and the parallel piping to the fixture fittings contains no more than 8 cups (58 cubic inches = 0.25 gallons); or
	8	<input type="checkbox"/> Use of a central core plumbing system with all plumbing fixture fittings (faucets & showerheads) located such that the volume of water contained in each pipe run between the water heater and fixture fitting is no more than 6 cups (43.3 cubic inches = 0.2 gallons).
	1	4. Over 40-feet of pipe run from water heater to fixture locations is aided by either: <input type="checkbox"/> Tankless water heater at point of use <input type="checkbox"/> Solar-assisted system <input type="checkbox"/> On-demand hot water circulation system

Chapter 9: Indoor Environmental Quality

Only those sections applicable to the building system are included below.

Assessed Points	Available Points	Section from ANSI-NAHB-ICC700 National Green Building Standard
901 Pollutant Source Control		
5	5	901.1.2 Air handling equipment or return ducts are not located in the garage, unless placed in isolated / air sealed mechanical rooms with an outside air source. Applicable as detailed on Sheet #2 – Basement Plan. 

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Assessed Points	Available Points	Section from ANSI-NAHB-ICC700 National Green Building Standard
7	7	901.2.2 No fireplace, woodstove, pellet stove, or masonry heater is installed. Applicable as detailed on plans – no fireplace or woodstove.
10	10	901.3 Garages are in accordance with the following: (2) Carport or no garage is installed or the garage is detached from the dwelling unit. Applicable as per plans – no garage as part of plan.
Mandatory	Max 10 for all 901.4	901.4 Wood materials - 901.4(a) Structural plywood used for floor, wall, and/or roof sheathing is compliant with U.S. Department of Commerce Product Standard PS 1 and/or Product Standard PS 2. Oriented strand board (OSB) used for floor, wall, and/or roof sheathing is compliant with PS 2. The panels are made with moisture-resistant adhesives. The trademark indicates these adhesives as follows: "Exposure 1" or "Exterior" for plywood and "Exposure 1" for OSB.
4	4 per Product Group	<input checked="" type="checkbox"/> 901.4.5 Composite wood or agrifiber panel products contain no added urea-formaldehyde or meet the California Air Resource Board Composite Wood Air Toxic Contaminant Measure Standard. iLevel Trus Joist Parallam PSL columns, iLevel Trus Joist Microllam LVL headers – Green Approved Product Certificate #00004.
	4 per Product Group	<input type="checkbox"/> 901.4.6 Non-emitting products.
Mandatory		901.5 Carpets - Wall-to-wall carpeting is not installed adjacent to water closets and bathing fixtures
902 Pollutant Control		
Mandatory		902.1 Spot ventilation is in accordance with the following: <ul style="list-style-type: none"> <input type="checkbox"/> Bathrooms are vented to the outdoors. The minimum ventilation rate is 50 cfm for intermittent operation or 20 cfm for continuous operation in bathrooms. <input type="checkbox"/> Clothes dryers are vented to the outdoors. Applicable as noted on plans.
8	8	(3) Kitchen exhaust units and/or range hoods are ducted to the outdoors and have a minimum ventilation rate of 100 cfm for intermittent operation or 25 cfm for continuous operation. Applicable as noted on plans. From sample plan set:
	10	902.8 Radon control measures are in accordance with IRC Appendix F. (a) A passive radon system is installed (mandatory in Zone 1, optional in Zone 2) Applicable as detailed on plans.
903 Moisture Management: Vapor, Rainwater, Plumbing, HVAC		
Mandatory		903.1 Tile backing materials installed under tiled surfaces in wet areas shall be in accordance with ASTM C1178, C1278, C1288, or C1325.
Mandatory		903.2.1 A capillary break and vapor retarder shall be installed at all concrete slabs.

Verification of Green Building Contribution: Shelter-Kit

Assessed Points	Available Points	Section from ANSI-NAHB-ICC700 National Green Building Standard
	6	903.3 Crawl space vapor retarder is in accordance with the following, as applicable. Joints of vapor retarder overlap a minimum of 6 inches and are taped. 903.3(1) Floors. Minimum 6-mil vapor retarder installed on the crawl space floor and extended up the wall enough to allow the material to be affixed with glue and furring strips.
		Mandatory 903.3(2) Walls. Damp-proof walls are provided below finished grade.
		Mandatory 903.4.1(2) Walls shall not be enclosed (e.g. with drywall) if the insulation has a high moisture content. Wet insulation products shall be dry before enclosing.
4	4	903.5 Moisture control measures (3) The moisture content of lumber is sampled to ensure it does not exceed 19% prior to the surface/wall cavity being enclosed. Wood products purchased with specification of 19% MC (KD) and are periodically checked for MC prior to shipping.
2	2	903.5.1 Plumbing distribution lines are not installed in exterior wall cavities. Applicable as noted on Sheet 9 of plans.
5	5	903.5.3 Plumbing is not in unconditioned spaces. Applicable as per plans.
		Mandatory 903.8 All HVAC ducts, plenums, and trunks in unconditioned attics, basements, and crawlspaces are insulated with a minimum of R-6. Outdoor air supplies to ventilation systems are insulated with a minimum of R-6.

Chapter 10: Operation, Maintenance, and Homeowner Education

No points are assessed for this section. It is highly recommended that the homeowner/builder achieve a minimum of 11 points. This is the minimum point total for Platinum certification.

Points Available by Specifying ENERGY STAR® and WaterSense®

ENERGY STAR® and the EPA's WaterSense® Programs generate additional points that can be verified during the rough and final inspections. It is recommended that the following be investigated for every Green Building project.

Assessed Points	Available Points	Section from ANSI-NAHB-ICC700 National Green Building Standard
Chapter 6 Resource Efficiency		
	3	602.13 At least 90% of roof surfaces are constructed of products which meet the requirements of the ENERGY STAR® cool roof certification or equivalent.
Section 7 Energy Efficiency (52 points from below achieves Bronze in this section.)		
	30	701.1.3 Alternative Bronze Level Compliance As an alternative, any building meeting ENERGY STAR qualified home requirements or equivalent achieves compliance with the Bronze Level for the Energy Chapter.
		Mandatory 701.4.4 Fenestration: NFRC-certified U-factor and SHGC windows, exterior doors, skylights, and tubular daylighting devices (TDDs) are in accordance with ENERGY STAR, or equivalent, or Table 701.4.4.1.
	15	703.2.1 Insulation and air sealing is installed in accordance with all of the following, as applicable: (1) third-party verification performed (e.g., ENERGY STAR Thermal Bypass Checklist)
	20 or more	703.4.6 Ground source heat pump is installed by a Certified Geothermal Service Contractor in accordance with one of the following ENERGY STAR levels:
	1 / bldg.	703.4.7 ENERGY STAR, or equivalent, ceiling fan(s) are installed.
	1 / dwelling unit	703.4.10 An ENERGY STAR, or equivalent, programmable thermostat is installed to control each heating and cooling zone.
	4	704.2.1 (1) 50% of the total hard-wired lighting fixtures, or the bulbs in those fixtures, qualify as ENERGY STAR or equivalent.

Verification of Green Building Contribution: Shelter-Kit

Assessed Points	Available Points	Section from ANSI-NAHB-ICC700 National Green Building Standard
	5	704.2.5 (1) Install ENERGY STAR-labeled appliances: Refrigerator
	2	704.2.5 (2) Install ENERGY STAR-labeled appliances: Dishwasher
	4	704.2.5 (3) Install ENERGY STAR-labeled appliances: Washing machine
Chapter 8 Water Efficiency (33 points from below achieves Silver in this section for one bath; Gold for 2 full baths.)		
	2	801.2 (1) ENERGY STAR, or equivalent, water-conserving appliances installed - dishwasher.
	6	801.2 (2) ENERGY STAR, or equivalent, water-conserving appliances installed – washing machine.
	1 / fixture, max. 3	801.4 The total showerhead flow rate at any one point in time in each shower compartment is 1.6 to less than 2.5 gpm. Additional points available when all fixtures meet this requirement. EPA WaterSense -labeled fixtures meet this specification.
	1 / bathroom, max. 3	801.5 Water-efficient lavatory faucets with flow rates of 1.5 gpm or less maximum flow rate when tested at 60 psi in accordance with ASME A112.18.1 are installed. Additional points available when all fixtures meet this requirement. EPA WaterSense -labeled fixtures meet this specification.
	6 / fixture, max. 18	801.6 (2) A water closet is installed with an effective flush volume of 1.28 gallons or less when tested per ASME A112.19.2 (all water closets) and ASME A112.19.14 (all dual flush water closets), and is in accordance with EPA WaterSense Tank-Type High-Efficiency Toilet. Additional points available when all fixtures meet this requirement.
	Max. 10	801.7.1 A low-volume irrigation system is installed for each landscape type utilized. EPA WaterSense -labeled systems meet this specification.
	3	801.7.2 Irrigation system is designed by a professional and installed in accordance with EPA WaterSense requirements, or equivalent.
	4	801.7.4 Weather-based irrigation controllers, e.g., computer-based weather record–EPA WaterSense -labeled.
Chapter 9 Indoor Air Quality		
	2 / fan, max. 6	902.1.4 Exhaust fans are ENERGY STAR as applicable.
Chapter 10 Operation, Maintenance, and Building Owner Education		
Mandatory		1003.2 Operations manual. (2)