



NGBS Scoring for New Construction
ICC 700-2008 National Green Building Standard™

Revised August 17, 2011

This project has not met all the requirements for Bronze, Silver, Gold, or Emerald.

	Current Status		Performance Level Minimums			
	Score	Mandatory	Bronze	Silver	Gold	Emerald
This Chapter	0	Not Met	36	65	100	140
This Project	0	Not Met	222	406	558	697

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Practice #	Chapter 9: Indoor Environmental Quality	Points Available	Points Claimed	Required Documentation	Approved Products	Notes
901 - Pollutant Source Control						
901.0	INTENT. Pollutant sources are controlled.					
901.1	Space and water heating options					
901.1.1 BC	Natural draft space heating or water heating equipment is not located in conditioned spaces, including conditioned crawlspaces. Natural draft equipment is permitted to be installed within the conditioned spaces if located in a mechanical room that has an outdoor air source, and is otherwise sealed and insulated to separate it from the conditioned space(s). NOTE: Practice 901.1.1 must be addressed to claim points in 704.6.2.1.	5	0	None.	--	
901.1.2 BC	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.	5		None.	--	
901.1.3 BC	The following combustion space heating and water heating equipment is installed within conditioned space. Claim points for all that apply from (1)-(2) below:					
(1)	Direct vent furnace or boiler	5		None.	--	
(2)	Water heater Claim points for only one from (a)-(b) below:					
(a)	Power vent water heater	3		None.	--	
(b)	Direct vent water heater	5		None.	--	
901.1.4	The following electric equipment is installed: Claim points for only one from (1)-(2) below:					
(1)	Heat pump air handler in unconditioned space	2		None.	--	
(2)	Heat pump air handler in conditioned space	5		None.	--	
901.2	Fireplaces and fuel-burning appliances. Fireplaces and fuel-burning appliances (except cooking appliances, clothes dryers, water heaters, and furnaces) located in conditioned space are in accordance with the following conditions.					
901.2.1	Fireplaces and natural draft fuel-burning appliances are code compliant, vented to the outdoors, and have adequate combustion and ventilation air provided to minimize spillage or back-drafting, in accordance with the following, as applicable.					
(1)	Natural gas and propane fireplaces that are power vented or direct vented, are equipped with permanently fixed glass fronts or gasketed doors, and comply with CSA Z21.88a/CAS 2.33a or CSA Z21.50/CAS 2.22. NOTE: Natural gas or propane fireplaces must be installed to claim points for 901.2.1(1). If points are claimed for 901.2.1(1), points cannot be claimed for 901.2.2.	Mandatory, if applicable 7	0	Manufacturer's literature or label on unit indicating CSA compliance.	--	
(2)	Solid fuel-burning appliances are in accordance with the following requirements:					
(a)	Wood-burning fireplaces are equipped with gasketed doors designed to operate with the doors closed, outside combustion air, and a means is provided for sealing the flue to minimize interior air (heat) loss when not in operation. NOTE: If points are claimed for 901.2.1(2)(a), points cannot be claimed for 901.2.2.	4		None.	--	
(b)	Factory-built, wood-burning fireplaces are in accordance with the certification requirements of UL 127 and are EPA certified. NOTE: Factory-built, wood-burning fireplaces must be installed to claim points for 901.2(2)(b). If points are claimed for 901.2.1(2)(b), points cannot be claimed for 901.2.2.	Mandatory, if applicable 6	0	Manufacturer's literature or label on unit indicating UL & EPA compliance.	--	
(c)	Wood stove and fireplace inserts, as defined in UL 1482, Section 3.8 are in accordance with the certification requirements of UL 1482 and are in accordance with the emission requirements of the EPA Certification and the State of Washington WAC 173-433-100(3). NOTE: Wood stove & fireplace inserts must be installed to claim points for 901.2(2)(c). If points are claimed for 901.2.1(2)(c), points cannot be claimed for 901.2.2.	Mandatory, if applicable 6	0	Manufacturer's literature or label on unit indicating UL, EPA and Washington State compliance.	--	
(d)	Pellet (biomass) stoves and furnaces are in accordance with the requirements of ASTM E1509 or are EPA certified. NOTE: Pellet stoves & furnaces must be installed to claim points. If points are claimed for 901.2.1(2)(d), points cannot be claimed for 901.2.2.	Mandatory, if applicable 6	0	Manufacturer's literature or label on unit indicating ASTM or EPA compliance.	--	
(e)	Masonry heaters are in accordance with the definitions in ASTM E1602 and ICC IBC, Section 2112.1. NOTE: Masonry heaters must be installed to claim points. If points are claimed for 901.2.1(2)(e), points cannot be claimed for 901.2.2.	Mandatory, if applicable 6	0	Manufacturer's literature or label on unit indicating ASTM and IBC 2112.1 compliance.	--	
901.2.2	Fireplaces, wood stoves, pellet stoves, or masonry heaters are not installed. NOTE: If points are claimed for 901.2.2, points cannot be claimed for 901.2.1(1) or 901.2.1(2)(a)-(e).	7		None.	--	
901.3	Garages. Garages are in accordance with the following:					
(1)	Attached garage					
(a)	Where installed in the common wall between the attached garage and conditioned space, the door is tightly sealed and gasketed. NOTE: An attached garage must be installed to claim points for 901.3(1)(a). If you claim points for 901.3(1)(a), you cannot claim points for 901.3(2).	Mandatory, if applicable 2	0	None.	--	
(b)	A continuous air barrier is provided between walls and ceilings separating the garage space from the conditioned living spaces. NOTE: An attached garage must be installed to claim points. If you claim points for 901.3(1)(b), you cannot claim points for 901.3(2).	Mandatory, if applicable 2	0	None.	See Products	
(c)	For one- and two-family dwelling unit attached garages, a 100 cfm (47 L/s) or greater ducted, or 70 cfm (33 L/s) cfm or greater unducted wall exhaust fan is installed and vented to the outdoors, designed and installed for continuous operation, or has controls (e.g., motion detectors, pressure switches) that activate operation for a minimum of 1-hour when either human passage door or roll-up automatic doors are operated. For ducted exhaust fans, the fan airflow rating and duct sizing are in accordance with Appendix A. See Appendix A	4		Manufacturer's literature/specifications for fan.	--	

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	NOTE: If you claim points for 901.3(1)(c), you cannot claim points for 901.3(2).					
(2)	A carport is installed, the garage is detached from the building, or no garage is installed. NOTE: If you claim points for 901.3(2), you cannot claim points for 901.3(1)(a), 901.3(1)(b), or 901.3(1)(c).	10		None.	--	
901.4	(1) Structural plywood used for floor, wall, and/or roof sheathing is compliant with DOC PS 1 and/or DOC PS 2. OSB used for floor, wall, and/or roof sheathing is compliant with DOC 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. Wood materials. A minimum of 85% of material within a product group (i.e., wood structural panels, countertops, composite trim/doors, custom woodwork, and/or component closet shelving) is manufactured in accordance with the following conditions. Claim points for all that apply from (2)-(6) below:	Mandatory		None.	See Products	
	(2) Particleboard and MDF (medium density fiberboard) is manufactured and labeled in accordance with CPA A208.1 and CPA A208.2, respectively. Enter number of complying product groups (2 points/group): <input type="text"/>	10 points max.	0	None.		
	(3) Hardwood plywood in accordance with HPVA HP-1 and HUD Title 24, Part 3280. Enter number of complying product groups (2 points/group): <input type="text"/>			Manufacturer's literature or label on product indicating HPVA & HUD compliance.		
	(4) Particleboard, MDF, or hardwood plywood is in accordance with CPA 2. Enter number of complying product groups (3 points/group): <input type="text"/>			Manufacturer's literature or label on product indicating CPA2 compliance.	See Products	
	(5) Composite wood or agrifiber panel products contain no added urea-formaldehyde or are in accordance with the CARB Composite Wood Air Toxic Contaminant Measure Standard . Enter number of complying product groups (4 points/group): <input type="text"/>			Manufacturer's literature or label on product indicating CARB compliance.		
	(6) Non-emitting products. Enter number of complying product groups (4 points/group): <input type="text"/>			Manufacturer's literature demonstrating zero emissions.		
901.5	Carpets. Carpets are in accordance with the following: (1) Wall-to-wall carpeting is not installed adjacent to water closets and bathing fixtures.	Mandatory		None.	--	
	(2) A minimum of 85% of installed carpet area, carpet cushion (padding), and carpet adhesives are in accordance with the emission levels of CDPH 01350, as certified by a third-party program, such as the Carpet and Rug Institute's (CRI) <i>Green Label Plus Indoor Air Quality Program</i> . Claim points for all that apply from (a)-(c) below:					
	(a) Carpet	6		Manufacturer's literature showing 3rd party certification. Scope of work or specification showing products to be installed.		
	(b) Carpet cushion	2			--	
	(c) Carpet adhesive	2				
901.6	Hard-surface flooring. A minimum of 85% of installed hard-surface flooring is in accordance with the emission concentration limits of CDPH 01350 (using the office scenario), as certified by a third-party programs, such as the RFCI's <i>FloorScore Indoor Air Certification Program</i> or the GREENGUARD Environmental Institute's <i>Children and Schools Certification Program</i> .	6		Manufacturer's literature showing 3rd party certification. Scope of work or specification showing products to be installed.	--	
901.7	Wall coverings. A minimum of 85% of wall coverings are in accordance with the emission concentration limits of CDPH 01350 (using the office scenario), as certified by a third-party programs, such as the Scientific Certification Systems (SCS) <i>Indoor Advantage Gold Program</i> or the GREENGUARD Environmental Institute's <i>Children and Schools Certification Program</i> .	4		Manufacturer's literature showing 3rd party certification. Scope of work or specification showing products to be installed.	See Products	
901.8	Architectural coatings. A minimum of 85% of the architectural coatings are in accordance with either 901.8.1 or 901.8.2, not both. Claim points for 901.8.1 or 901.8.2 below, but not both:					
901.8.1	Site-applied interior products are in accordance with one or more of the following: (1) Zero VOC, determined by EPA Method 24 (VOC content below the detection limit for the method) (2) CARB Suggested Control Measure for Architectural Coatings (3) GS-11 (4) VOC limits in accordance with: (a) 50 grams/liter flat (b) 100 grams/liter non flat (c) 350 grams/liter clear wood varnish (d) 550 grams/liter clear wood lacquer	5		List of all interior coatings used showing amount, %, and VOC criteria. Manufacturer's literature showing VOC as listed.	--	
901.8.2	Site-applied interior products are in accordance with the emissions levels of CDPH 01350, as certified by a third party program such as the Scientific Certification Systems (SCS) <i>Indoor Advantage Gold Program</i> or the GREENGUARD Environmental Institute's <i>Children and Schools Certification Program</i> .	8		List of all interior coatings used showing amount, %, and VOC criteria. Manufacturer's literature showing 3rd party certification.		
901.9	Adhesives and sealants. A minimum of 85% of site-applied adhesives and sealants are in accordance with 901.9.1 and/or 901.9.2.					
901.9.1	Exterior low-VOC adhesives and sealants : A minimum of 85% of site-applied products used for the installation of subfloors and on the exterior of the project are in accordance with one of the following conditions. Claim points for only one from (1)-(2) below:					

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(1)	The California Air Resources Board consumer products regulation as follows: (a) Construction Adhesives: VOC content not to exceed 7% by weight or 75 grams/liter, whichever is greater. (b) The VOC content of reactive sealants (i.e., silicones, polyurethanes, and hybrids, such as MS Polymer and silylated polyurethane resin or SPUR) not to exceed 4% by weight or 50 grams/liter, whichever is greater. (c) The VOC content of all other caulks and sealants not to exceed 2% by weight or 30 grams/liter, whichever is greater. (d) The VOC content of contact adhesives not to exceed 55% by weight or 480 grams/liter, whichever is greater.	5		List of all exterior sealants used showing amount, %, and VOC criteria. Manufacturer's literature showing VOC as listed.	See Products	
(2)	GS-36	5				
901.9.2	Interior low-VOC adhesives and sealants: A minimum of 85% of site-applied products used within the interior of the building are in accordance with one of the following conditions, as applicable. Claim points for only one from (1)-(2) below:					
(1)	CDPH 01350, as certified by a third party program, such as Scientific Certification Systems (SCS) <i>Indoor Advantage Gold Program</i> or the GREENGUARD Environmental Institute's <i>Children and Schools Certification Program</i> .	5		List of all interior sealants used showing amount, %, and VOC criteria. Manufacturer's literature showing VOC as listed.	See Products	
(2)	GS-36	5				
901.10	Cabinets. A minimum of 85% of kitchen and bath vanity cabinets are in accordance with one of the following conditions. Claim points for only one from (1)-(3) below:					
(1)	Kitchen and bath vanity cabinets in accordance with KCMA ESP 01, or equivalent, are installed.	2				
(2)	Kitchen and bath vanity cabinets in accordance with CARB Composite Wood Air Toxic Contaminant Measure Standard are installed.	3		Manufacturer's literature or product marking showing compliance with one of the listed criteria.	See Products	
(3)	Kitchen and bath vanity cabinets are installed that contain no added urea formaldehyde or are in accordance with GGPS.EC.010.R0, ASTM D6670, or equivalent.	5				
901.11	Insulation. Insulation is in accordance with one of the following conditions. Claim points for all that apply from (1)-(2) below:					
(1)	Formaldehyde emissions of wall, ceiling, and floor insulation materials are in accordance with the emissions levels of CDPH 01350, as certified by a third-party program, such as Scientific Certification Systems (SCS) <i>Indoor Advantage Gold Program</i> or the GREENGUARD Environmental Institute's <i>Children and Schools Certification Program</i> .	4		Manufacturer's literature or product marking showing compliance for wall, ceiling and/or floor insulation.	See Products	
(2)	Formaldehyde emissions of duct insulation materials are in accordance with the emissions levels of CDPH 01350, as certified by a third-party program, such as Scientific Certification Systems (SCS) <i>Indoor Advantage Gold Program</i> or the GREENGUARD Environmental Institute's <i>Children and Schools Certification Program</i> .	1		Manufacturer's literature or product marking showing compliance for duct insulation.		
901.12 BC	Carbon monoxide (CO) alarms. A carbon monoxide (CO) alarm is installed in a central location outside of each separate sleeping area in the immediate vicinity of the bedrooms. The CO alarm(s) is located in accordance with NFPA 720 and is hard-wired with a battery back-up. The alarm device(s) is certified by a third-party for conformance with either CSA 6.19 or UL 2034.	3		Manufacturer's literature or product marking showing NFPA and CSA or UL compliance.	--	
901.13	Building entrance pollutants control. Pollutants are controlled at all main building entrances by one of the following methods. Claim points for only one from (1)-(2) below:					
(1)	Exterior grilles or mats are installed in a fixed manner and may be removable for cleaning.	1				
(2)	Interior grilles or mats are installed in a fixed manner and may be removable for cleaning.	1		None.	--	
901.14	Non-smoking areas. All interior common areas of a multi-unit building are designated as non-smoking areas with posted signage. NOTE: Points for 901.14 awarded for multi-unit buildings only.	1		None.		
		This project must be labelled Multi-Unit & have 2 or more units (see Start Here! worksheet) to claim points for 901.14.				
902 - Pollutant Control						
902.0	INTENT. Pollutants generated in the building are controlled.					
902.1	Spot ventilation.					
902.1.1 BC	Spot ventilation is in accordance with the following conditions.					
(1)	Bathrooms (including powder rooms) are vented to the outdoors. The minimum ventilation rate is 50 cfm (23.6 L/s) for intermittent operation or 20 cfm (9.4 L/s) for continuous operation in bathrooms.	Mandatory		Manufacturer's literature/specifications for the fan showing cfm.	See Products	
(2)	Clothes dryers are vented to the outdoors.	Mandatory, if applicable		None.	--	
(3)	Kitchen exhaust units and/or range hoods are ducted to the outdoors and have a minimum ventilation rate of 100 cfm (47.2 L/s) for intermittent operation or 25 cfm (11.8 L/s) for continuous operation.	8		Manufacturer's literature/specifications showing cfm.	--	
902.1.2	Bathroom and/or laundry exhaust fan is provided with an automatic timer and/or humidistat. Claim points for only one from (1)-(3) below:					
(1)	1 device installed	5				
(2)	2 devices installed	7		None.	See Products	
(3)	3+ devices installed	9				
NOTE: In the Additional Info box below, indicate whether a timer, humidistat, or both provided.						
Additional Info:						
902.1.3	Kitchen range, bathroom, and laundry exhaust are verified to specification. Ventilation airflow at the point of exhaust is tested to a minimum of 100 cfm (47.2 L/s) intermittent or 25 cfm (11.8 L/s) continuous for kitchens, and 50 cfm (23.6 L/s) intermittent or 20 cfm (9.4 L/s) continuous for bathrooms and/or laundry.	8		3rd party test report showing compliance as installed.	See Products	
902.1.4	Exhaust fans are ENERGY STAR®, as applicable.	6 points max.	0	ENERGY STAR label or manufacturer's literature for basic ENERGY STAR fans or ENERGY STAR fans below 1	See Products	
(1)	Enter number of ENERGY STAR® (or equivalent) fans: <input type="text"/> (2 points per fan)					

Practice #	Chapter 9: Indoor Environmental Quality	Points Available	Points Claimed	Required Documentation	Approved Products	Notes
(2)	ENERGY STAR (or equivalent) fans operating at or below 1 sone: (3 points per fan)			ENERGY STAR fans below 1 sone.		
NOTE: In the Additional Info box below, indicate whether (1) or (2) or both are provided.						
Additional Info:						
902.2	Building ventilation systems					
902.2.1 BC	One of the following whole building ventilation systems is implemented and is in accordance with the specifications of Appendix B. Claim points for only one from (1)-(4) below: See Appendix B					
(1)	Exhaust or supply fan(s) ready for continuous operation and with appropriately labeled controls.	8				
(2)	Balanced exhaust and supply fans with supply intakes located in accordance with the manufacturer's guidelines to not introduce polluted air back into the building.	10		Statement from qualified professional indicating system is in compliance with Appendix B.	See Products	
(3)	Heat-recovery ventilator.	15				
(4)	Energy-recovery ventilator.	17				
NOTE: Points must be claimed in 902.2.1 to claim points in 902.2.2.						
902.2.2	Ventilation airflow is tested to achieve the design fan airflow at point of exhaust in accordance with Appendix B. See Appendix B	8		Test report by qualified professional showing compliance as installed.	--	
NOTE: Points must be claimed in 902.2.1 to claim points in 902.2.2.						
902.2.3 BC	MERV filters 8 or greater are installed on central air systems. Designer or installer is to verify that the HVAC equipment is able to accommodate the greater pressure drop of MERV 8 filters.	3		Designer/installer certification of system capability for installed MERV filters.	See Products	
902.3	Radon control. Radon control measures are in accordance with ICC IRC Appendix F. Radon zones are defined in Figure 9(1). See Figure 9(1)					
(1)	Buildings located in Radon Zone 1 have a radon system installed. Claim points for only one from (a)-(b) below:		Mandatory, if located in Radon Zone 1			
(a)	a passive radon system is installed	10		None for active system.	See Products	
(b)	a active radon system is installed	15		Plans/specifications for passive systems.		
NOTE: 902.3(1) must be "Met" to claim points for 902.3(1)(a) or 902.3(1)(b). If points are claimed for 902.3(1)(a) or 902.3(1)(b), points cannot be claimed for 902.3(2)(a).						
(2)	Buildings located in Radon Zone 2					
(a)	a passive radon system is installed	10		Plans/specifications.	See Products	
NOTE: If points are claimed for 902.3(2)(a), points cannot be claimed for 902.3(1)(a) or 902.3(1)(b).						
902.4	HVAC system protection. One of the following HVAC system protection measures is performed. Claim points for only one from (1)-(2) below:					
(1)	HVAC supply registers (boots), return grilles, and rough-ins are covered during construction activities to prevent dust and other pollutants from entering the system.	3		None.	See Products	
(2)	Prior to owner occupancy, HVAC supply registers (boots), return grilles, and duct terminations are inspected and vacuumed. In addition, the coils are inspected and cleaned and the filter is replaced if necessary.	3		Invoice from cleaning contractor showing cleaning and coil inspection.		
902.5	Central vacuum systems. Central vacuum system is installed and vented to the outside.	5		None.	See Products	
902.6	Living space contaminants. The living space is sealed to prevent unwanted contaminants. Claim points for all that apply from (1)-(2)(c) below:					
(1)	Attic access, knee wall door, or drop down stair is caulked, gasketed, or otherwise sealed.	2				
(2)	All penetrations (e.g., top plates, HVAC register boots, recessed can lights), are sealed in the following areas:			None.	--	
(a)	attic/ceiling	2				
(b)	wall	2				
(c)	floors	2				
903 - Moisture Management: Vapor, Rainwater, Plumbing, HVAC						
903.0	INTENT. Moisture and moisture effects are controlled.					
903.1	Tile backing materials. Tile backing materials installed under tiled surfaces in wet areas are in accordance with ASTM C1178, C1278, C1288, or C1325.		Mandatory, if applicable	Manufacturer's literature/specification/labeling showing ASTM compliance. Plans/specifications and scope of work showing installation.	--	
903.2	Capillary breaks					
903.2.1 BC	A capillary break and vapor retarder are installed at all concrete slabs in accordance with 903.2.1(1) or 903.2.1(2), as modified by 903.2.1(3). (1) A minimum 4-inch thick bed of 1/2-inch diameter or greater clean aggregate, covered with polyethylene or polystyrene sheeting in direct contact with the concrete slab, with the sheeting joints lapped in accordance with Section 903.3. - OR - (2) A minimum 4-inch thick uniform layer of sand, overlain with a layer or strips of geotextile drainage matting, covered with polyethylene sheeting, with the sheeting joints lapped according to Section 903.3. (3) Modification for 1 & 2: (a) In areas with free-draining soils, identified as Group 1 in the ICC IRC by a certified hydrologist, soil scientist, or engineer through a site visit, a gravel bed or geotextile matting is not required. (b) In Dry climate locations, as defined by Figure 6(1), polyethylene sheeting is not required unless required for radon resistance (902.3). See Figure 6(1)		Mandatory, if applicable	Plans/specifications AND scope of work(s) detailing how this mandatory requirement has been met. Photo(s) showing installation. Report from certified professional when 3(a) chosen. A professional engineer's certification that a design meets the intent of 903.2.1 of addressing/preventing water intrusion into the building envelope through the slab and foundation walls by way of capillary action can be accepted as an alternative to the prescriptive requirements of the practice.	--	

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903.2.2 BC	Add a capillary break on footing to prevent moisture migration into foundation wall.	3		Plans/specifications AND scope of work(s) detailing how this requirement has been met. Photo(s) showing installation.	--	
903.3	Crawspaces					
903.3.1	Crawspace vapor retarder is in accordance with the following, as applicable. Joints of vapor retarder overlap a minimum of 6 inches (152 mm), and taped at the seams.					
(1)	Floors. Minimum 6 mil vapor retarder installed on the crawspace floor and extended up the wall sufficient to allow the material to be affixed with glue and furring strips.	6		None.	--	See Products
(2)	Walls. Damp-proof walls are provided below finished grade.	Mandatory, if there is a crawspace that extends below finished grade		None.	--	
903.3.2	Crawspace that is built as a conditioned area is sealed to prevent outside air infiltration and provided with conditioned air at a rate not less than 0.02 cfm (.009 L/s) per square foot of horizontal area and one of the following conditions is implemented: Claim points for only one from (1)-(2) below:					
(1)	A concrete slab over lapped 6 mil polyethylene or polystyrene.	10		Plans/specifications AND scope of work(s) detailing how this requirement has been met. Photo(s) showing installation.	--	
(2)	6 mil polyethylene sheeting, lapped a minimum of 6 inches (152 mm), and taped at the seams.	8		None.	--	
903.4	Moisture control measures					
903.4.1	Moisture control measures are in accordance with the following conditions. Claim points for all that apply from (1)-(3) below:					
(1)	Building materials with visible mold are not installed or are cleaned or encapsulated prior to concealment and closing.	2		None.	--	
(2)	Walls are not enclosed (e.g. with drywall) if the insulation has a high moisture content. Wet insulation products are dry before enclosing.	Mandatory		If wet insulation is used, provide documentation of moisture content before enclosure.	--	
(3)	The moisture content of lumber is sampled to ensure it does not exceed 19% prior to the surface and/or wall cavity enclosure.	4	0	Moisture sampling data by builder or 3rd party.	--	
903.4.2	Moisture content of subfloor, substrate, or concrete slabs is in accordance with the appropriate industry standard for the finish flooring to be applied.	2		Material manufacturer's recommendations for moisture content. Moisture sampling data by builder or 3rd party.	--	
903.5	Plumbing					
903.5.1	Plumbing distribution lines are not installed in exterior wall cavities.	2		None.	--	
903.5.2	Cold water pipes in unconditioned spaces are insulated to a minimum of R-4 with pipe insulation or other covering that adequately prevents condensation.	2		None.	--	
903.5.3	Plumbing is not installed in unconditioned spaces. NOTE: Points awarded for 903.5.2 OR 903.5.3, not both.	5		None.	--	
903.6	Duct insulation. All HVAC ducts, plenums, and trunks in unconditioned attics, basements, and crawlspaces are insulated to a minimum of R-6. Outdoor air supplies to ventilation systems are insulated to a minimum of R-6.					
(1)	insulated to a minimum of R-6	Mandatory, if applicable		Manufacturer's literature/specs showing R-value for duct insulation installed.	--	
(2)	insulated to a minimum of R-8	2			--	
	NOTE: Points cannot be claimed for 903.6(2) unless the mandatory status of 903.6(1) equals "Met". If points claimed for 903.6(2), points cannot be claimed for 704.4.4.					
903.7	Relative humidity. In climate zones 1A, 2A, 3A, 4A, and 5A as defined by Figure 6(1), equipment is installed to maintain relative humidity (RH) at or below 60% using one of the following conditions. Claim points for only one from (1)-(2) below: See Figure 6(1)					
(1)	Additional dehumidification system(s)	8		None.	--	
(2)	Central HVAC system equipped with additional controls to operate in dehumidification mode	8		None.	--	See Products
904 - Innovative Practices						
904.1	Humidity monitoring system. A humidity monitoring system is installed with a mobile base unit that displays a reading of temperature and relative humidity at the base unit with a minimum of two remote units. One remote unit that is placed permanently inside the conditioned space in a central location, excluding attachment to exterior walls, and another remote unit is placed permanently outside of the conditioned space.	2		None.	--	
904.2	Kitchen exhaust. Kitchen exhaust unit(s) that equal or exceeds 400 cfm (189 L/s), and make-up air is provided.	2		Manufacturer's literature showing cfm.	--	