MN GreenStar - Remodeling

VERSION 2.1 (08/07/10)

Proj. Name: Rambler Revolution

Proj. Date: 2-1-11

UPDATE VIEW | HIDE TRADES | SHOW TRADES | GO TO ADVANCED FILTERING | SHOW ALL CREDITS | DESELECT ALL FILTERS

Project Type (CHANGE)	4							
		REQUIRED TO MEDAL	154	60	42	14	35	315
		PROJECT GRAND TOTALS:	161	76	49	28	41	355
		GAP TO MEDAL	-7	-16	-7	-14	-6	-40
Medal Goal (CHANGE)	Bronze	POINTS WITH "?"	0	0	0	0	0	0
		POINTS WITH "Y + ?" GAP TO MEDAL	-7	-16	-7	-14	-6	-40

SIMPLE FILTERING

CREDITS SELECTED	SECTION NUMBER				
☑ "Y" SELECTED	☑ SECTION 0	☑ SECTION 3	☑ SECTION 6	☑ SECTION 9	SECTION 12
☐ "?" SELECTED	☑ SECTION 1	☑ SECTION 4	☑ SECTION 7	☑ SECTION 10	SECTION 13
☐ BLANK / NA	☑ SECTION 2	☑ SECTION 5	☑ SECTION 8	☑ SECTION 11	SECTION 14

CHOOSE "Y" TO SELECT	ID NUMBER	DESCRIPTION	POINTS CATEGORIES EE	RE	IEQ	WC	SC	TOTAL	REQUIRED DOCUMENTATION Type Of Doc.	Alt. Type Of Doc.	Do It Before	SIGN OFF Initial When Doc. Comp.	MN Grn-Star Approval		COMMENTS (OPTIONAL)
Y	0	OVERALL REQUIREMENTS													
Y	0PR-	Prerequisites	x	x	x	x	x	x							
Y	0PR-1	Register with MN GreenStar and attend mandatory 8 hour contractor training	x	x	x	x	x	x	Other Doc	Training reg #	Design				
Y	0PR-2	Submit all required documentation for a plan review prior to start of construction	x	x	x	x	x	x	Other Doc		PreConstruction				
Y	0PR-3	Submit two year's worth of utilities bills to MN GreenStar (One year prior to the project, and one year after the project) See attached "Utility Tracking Table 0PR--3	x	x	x	x	x	x	Other Doc		Design				
Y	0PR-4	ENERGY STAR (or higher efficiency) rated appliances.	x	x	x	x	x	x	Specifications	Rater Sign off	Complete				
Y	0PR-5	Site Plan showing Major Natural Resources, Erosion Control Instructions, & other project related site info. such as landscape design.	x	x	x	x	x	x	Plan		Design				
Y	0PR-6	Water conservation plan for indoors and outdoors.	x	x	x	x	x	x	Notes on Plan		Design				
Y	0PR-7	Waste management plan. See attached "Waste Management Plan Template 0PR--7"	x	x	x	x	x	x	Plan		Design				
Y	0PR-8	No intentional use of imported Forest Products on the "Controlled Imports List" unless FSC Certified. All Products from Canada are allowed without FSC Certification.	x	x	x	x	x	x	Other Doc		PreConstruction				
Y	0PR-9	No mercury thermostats (remove/replace if pre-existing, dispose of properly)	x	x	x	x	x	x	Rater Sign-off		Complete				
Y	0PR-10	Perform radon test in lowest possible habitable space. Mitigate if necessary.	x	x	x	x	x	x	Test results		PreConstruction				
Y	0PR-11	Minimum of one approved and fully operational carbon monoxide alarm installed within ten (10) feet of each bedroom.	x	x	x	x	x	x	Photo	Rater Sign-off	Complete				
Y	0PR-12	No NEW atmospherically vented combustion appliances allowed. (use direct vented, power vented or sealed combustion), Existing atmospherically vented appliances can remain.	x	x	x	x	x	x	GC Sign-off		Complete				
Y	0PR-13	All projects must pass Fresh Air Supply (FAS) and Worst Case Combustion Spillage (WCCS) tests at end of the project. See manual for exceptions.	x	x	x	x	x	x	Rater Sign-off		Complete				
Y	0PR-14	Mandatory Green education of homeowner during construction by General Contractor (4 hour min.)	x	x	x	x	x	x	Homeowner sign-off		Complete				
Y	0PR-15	Mandatory green remodeling education of homeowner at end of project (2 hour minimum)	x	x	x	x	x	x	Homeowner sign-off		Complete				
Y	0PR-16	Provide homeowner with a user's manual covering house maintenance and green features of home.	x	x	x	x	x	x	Other Doc		Complete				

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Y		0PR-17	Obtain all required permits & follow all required local and state bldg codes	x	x	x	x	x	x	GC Sign-off		Complete				
Y		0PR-18	Prepare and post a job-site materials management and recycling plan By posting a job-site materials management and recycling plan the details of the plan are communicated, shared and reinforced with everyone on-site	x	x	x	x	x	x	GC Sign-off		PreConstruction				
Y		0PR-19	No burying or burning of construction waste	x	x	x	x	x	x	Homeowner sign-off		Complete				
Y		0PR-20	Seal all ducts and air handlers to prevent contamination during construction.	x	x	x	x	x	x	Photo		Complete				
Y		0PR-21	No construction debris shall be discarded and closed inside any wall assembly	x	x	x	x	x	x	GC Sign-off		Complete				
Y		1	PRECONSTRUCTION DESIGN STRATEGIES	10	7	5	7	7	36							
Y		1A-	Integrated Project Team	3	3	3	3	3	15							
Y		1A-1	Create multi-disciplinary project team, including homeowner, contractor and all subcontractors and include each in design and pre-construction meetings.	1	1	1	1	1	5	Other Doc	Team member sign-off	Complete				
Y		1A-2	Post-construction meeting for contractor, homeowner, and key subcontractors to review performance and lessons learned.	1	1	1	1	1	5	Other Doc	Team member sign-off	Complete				
Y		1A-3	Attendence at 8-hour MN GreenStar training by designer/architect from project team	1	1	1	1	1	5	Other Doc	Team member sign-off	Complete				
Y		1B-	Design	5	2	2	2	2	13							
Y		1B-1	Document all existing conditions, equipment and assemblies in house.	1	1	1	1	1	5	Other Doc	Create form template 1B-1; with sign offs	Design				
Y		1B-2	Contract with a MN GreenStar approved Rater for a whole home inspection	1	1	1	1	1	5	Other Doc	Rater contract or SOW	Design				
Y		1B-3	Energy modeling instructs home design and performance	3					3	Calcs		Design				
Y		1C-	Home Size	2	2	0	2	2	8							
Y		1C-2	Total conditioned space of whole house after project completion is xx SF Select one:	x	x	x	x	x	0	Plan		Design				
	Y	1C-2d	2249-2000	2	2		2	2	8	Plan		Design				2159 CONDITIONED SF
Y		2	SITE & LANDSCAPE	2	10	0	6	14	32							
Y		2PR-	Prerequisites	x	x	x	x	x	x							
Y		2PR-1	No invasive species, as determined by the MN Extension Agencies, are planted	x	x	x	x	x	x	Other Doc	List of species planted	Complete				
Y		2PR-2	No cypress mulch	x	x	x	x	x	x	GC Sign-off		Complete				
Y		2PR-3	No railroad ties or other landscape materials may be used which contain creosote or chromated copper arsenate	x	x	x	x	x	x	GC Sign-off		Complete				
Y		2PR-4	Following construction completion, no part of the disturbed site is left uncovered or destabilized	x	x	x	x	x	x	GC Sign-off		Complete				
Y		2A-	Soil and Permeability	1	0	0	0	4	5							
Y		2A-3	Total site has XX% permeable surface Select one:	x	x	x	x	x	x	Calcs		Complete				
	Y	2A-3a	65% of undeveloped site is permeable					2	2	Calcs		Complete				See calcs on site plan.

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Y	2A-5	Keep excavated soils on site.	1				2	3	Plan	Photo @ backfill	Design				
Y	2B-	Planting/Trees	1	4	0	2	5	12							
Y	2B-4	New plantings are compatible with soil type				2	2	4	Other Doc	Documentation	Complete				
Y	2B-8	Install a compost bin		1			1	2	Homeowner sign-off	photo	Complete				
Y	2B-10	Edible landscape planting/food garden is installed	1	1				2	Plan		Design				
Y	2B-16	All plantings and plant materials are kept at least 36" from house		2				2	Photo		Complete				
Y	2B-17	Apply two inches of compost in the top 6 to 12 inches of soil in flower & vegetable garden beds					1	1	GC Sign-off	Homeowner sign-off	Complete				
Y	2B-18	Use slow-release organic fertilizers to establish vegetation					1	1	Specifications		Complete				
Y	2C-	Irrigation	0	0	0	1	0	1							
Y	2C-3	Irrigation plan restricts watering to after dusk and before dawn				1		1	Other Doc	Landscape maintenance plan	Complete				
Y	2D-	Decks, Patios and Porches	0	4	0	0	0	4							
Y	2D-2	Wood use is kept at least 12 inches from soil		2				2	Photo	Rater sign-off	Complete				
Y	2D-5	Wood to concrete connections prevent moisture wicking. (e.g. end grains have min. 3/8" air space. --AND-- side grains separated by 3/8" air space and/or flashing.)		1				1	Photo	Rater sign-off	Complete				VERIFY PORCH AND DECK COLUMNS
Y	2D-6	Deck ledger boards attached to home with either minimum 3/8" spacers and full flashing shingle fashion from drainage plane to over framing or adhesive membrane strip taped to drainage plane running over ledger board and folded around joists		1				1	Photo		Siding				
Y	2E-	Erosion Control	0	0	0	0	1	1							
Y	2E-1	Turf is not installed on slopes exceeding 25% rise					1	1	Photo	Landscape Plan	Complete				NO STEEP SLOPES EXIST
Y	2F-	Rainwater Harvest	0	0	0	3	3	6							
Y	2F-1	Roof water drainage system that captures xx% of roof area for irrigation use (storage capacity for 1/2" rain event & overflow to absorption area) Select one:	x	x	x	x	x	x	Calcs		Complete				
Y	2F-1a	20%				3	3	6	Calcs		Complete				
Y	2G-	Grading/Drainage	0	2	0	0	1	3							
Y	2G-4	Re-use all site topsoil, if site disturbance occurs					1	1	GC Sign-off		Complete				
Y	2G-5	Patio slabs, walks and driveway shall be sloped a minimum of 1/8" per foot away from house		1				1	GC Sign-off		Complete				
Y	2G-6	Land is re-graded (or terraced) to slope away from house (min. 5% slope 10 feet away from foundation walls) (minimum 6" within first 10 feet)		1				1	GC Sign-off		Complete				
Y	3	IMPROVEMENTS TO EXISING FLOOR, WALL, AND ROOF ASSEMBLIES	49	16	8	0	-1	72							
Y	3PR-	Prerequisites	x	x	x	x	x	x							
Y	3PR-1	Finishing a basement can be risky. If choosing to finish a basement anyway, perform thorough risk assessment of existing conditions and systems prior to doing basement finishing work.	x	x	x	x	x	x	Other Doc		Design				HAVE ARCHITECT FILL OUT BASEMENT RISK ASSESSMENT FORM
Y	3PR-2	Use Integrated Pest Management (IPM) methods to prevent pest entry.	x	x	x	x	x	x	Photo		Complete				
Y	3PR-3	Structural plywood & OSB must conform to PS1 and PS2 standards. Thus shall be made with non-urea formaldehyde, exterior-type adhesives	x	x	x	x	x	x	GC Sign-off		Complete				

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Y	3PR-4	New attached garage only allowed if house has pre-existing attached garage. All new attached garages must be built with Breezeway / Mudroom and other measures to minimize the potential for garage pollution to enter the house.	x	x	x	x	x	x	GC Sign-off		Design				
Y	3PR-5	No use of 9-1/4" or greater dimension solid lumber in interior floor, wall or roof systems. (Use 2x8s or smaller in exterior decks as much as possible).	x	x	x	x	x	x	GC Sign-off		Design				
Y	3PR-6	If recessed light fixtures are being added or replaced where they penetrate into the unconditioned area of the attic, then they must be installed to prevent air and thermal leakage.	x	x	x	x	x	x	Notes on Plan		Design				
Y	3PR-7	Any new installation of salvaged doors or windows in an exterior application must be weather stripped, or air sealed with appropriate gasket.	x	x	x	x	x	x	GC Sign-off		Complete				
Y	3PR-8	All new connecting doors between living space and attached garage must be gasketed or made substantially air-tight with weather stripping and an automatic closer	x	x	x	x	x	x	Notes on Plan	Specification	Design				
Y	3PR-9	No power roof vents unless adequate air inlets exist. See also 5PR – 7.	x	x	x	x	x	x	Calcs		Design				
Y	3PR-10	Obtain a copy of "FTC Fact Sheet" from the MN Energy Information Center for any type of insulation used on the project. This lists correct R-value for the insulation. (Metro 651-926-5120 or State wide 1-800-657-3710.	x	x	x	x	x	x	Other Doc		Insulation				
Y	3PR-11	All insulation used must be formaldehyde free	x	x	x	x	x	x	Notes on Plan	Specifications	Insulation				
Y	3PR-12	Wall cavities exposed during removal of existing full window units must be insulated with foam (no fiberglass allowed for this application)	x	x	x	x	x	x	Rater Sign-off		Drywall				
Y	3A-	Air Tightness	26	2	1	0	0	29							
Y	3A-2	Air infiltration is reduced in the house by xx% Select one:	x	x	x	x	x	x	Test results	Must include before and after	Complete				
Y	3A-2a	20%	10					10	Test results	Must include before and after	Complete				
Y	3A-3	Perform infrared thermal imaging during blower door test: Select all that apply:	x	x	x	x	x	x	Receipt/Invoice		PreConstruction				
Y	3A-3a	Before (to identify problem areas)	3	1				4	Receipt/Invoice		PreConstruction				
Y	3A-3b	After (to document that issues discovered have been amended)	3	1	1			5	Receipt/Invoice		Complete				
Y	3A-4	HERS Index Score at the end of the project regardless of whether changes were made to improve this score during the project. Select HERS Score:	X	X	X	X	X	X	Calcs		Complete				
Y	3A-4a	70-74	10					10	Calcs		Complete				VERIFY W/ NEC
Y	3B-	Improvements to Existing Foundations, Crawlspaces, and Slab Floor Assemblies	5	2	3	0	0	10							
Y	3B-PR1	Install radon mitigation system if finishing an unfinished basement.	x	x	x	x	x	x	Notes on Plan		Design				
Y	3B-1	Leave minimum 1 inch gap between wall framing and foundation wall	1	1	1			3	Photo		Drywall				
Y	3B-3	Document the condition of the air sealing, vapor retarder and insulation at rim joist. Improve any areas that do not have proper air seal, vapor retarder and/or min. R19 insulation as necessary. (Rim joist that do not need improvement also qualify).	4	1	2			7	Other Doc		Design				

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Y		3C-	Improvements to All Existing Above Grade Walls, Ceilings and Non-Slab (framed) Floors	2	5	1	0	0	8								
Y		3C-PR1	If existing common wall between an attached garage and the home does not have finish material on it, finish material must be added and properly sealed at perimeter & penetrations.	x	x	x	x	x	x	Photo		Drywall					
Y		3C-6	Penetrations through insulated ceilings are sealed	1					1	Photo	Rater sign-off	Drywall					
Y		3C-11	Improve exitsing walls with advanced siding materials & techniques. Select all that apply:	x	x	x	x	x	x	Photo		Siding					
	Y	3C-11f	Exposed wood is kept at least 12 inches from soil		1				1	Photo		Complete					
Y		3C-13	Wood trim or other water sensitive materials (composites) are kept at least 12 inches from soil		2				2	Photo	all sides of the house	Complete					
Y		3C-21	Gypsum wallboard (GWB) is min. 1/2 inch from concrete slabs. (Applies to existing GWB on existing walls, or new GWB on existing walls.)		1				1	Photo		Pre-finish					
Y		3C-22	Seal all wall gypsum wallboard penetrations in exterior walls using caulk, gaskets or appropriate connection with gypsum board.	1	1	1			3	Photo		Pre-finish					
Y		3D-	Improvements to Existing Windows, Skylights and Doors	1	4	0	0	-1	4								
Y		3D-PR1	Replacement sash and units must meet energy code, be ENERGY STAR rated and be NFRC rated (existing window sashes are exempt)	x	x	x	x	x	x	Specifications		Complete					
Y		3D-PR2	Remove weight and fill weight cavity with foam insulation, when old double hung sash are replaced. (no fiberglass insulation allowed for this application)	x	x	x	x	x	x	Photo		Pre-finish					
Y		3D-12	Install new weatherstrip AND thresholds or air sealing door sweeps on all existing entry doors	1					1	Notes on Plan	photos	Complete					
Y		3D-13	Home equipped with covered entry ways that extend three feet out from every exterior door. Existing covered entries also qualify. Select Only One:	x	x	x	x	x	x	Notes on Plan	photos	Complete					
	Y	3D-13a	1 entry		2				2	Notes on Plan	photos	Complete					
Y		3D-14	Replace existing doors between conditioned & unconditioned space and/or between interior & exterior Select all that apply:	x	x	x	x	x	x	Specifications		Complete					
	Y	3D-17j	Door(s) have metal outer skin (e.g., aluminum or steel)		2			-1	1	Specifications		Complete					
Y		3E-	Improvements to Unfinished Attics That Are Remaining Unfinished	15	3	3	0	0	21								
Y		3E-1	Air seal all attic penetrations (all plumbing, electrical and HVAC penetrations plus any chases) and add continuous insulation on floor of attic to R-38	4	1	1			6	Rater Sign-off		Drywall					
Y		3E-2	Unfinished attic remaining unfinished -- Improved w/ ADVANCED INSULATION materials & techniques. Select all that apply:	x	x	x	x	x	x	Specifications		Complete					
	Y	3E-2d	Attic insulation total R50 or more (flat or vaulted)	6					6	Rater Sign-off		Drywall					
	Y	3E-2h	Access openings to new attics and new knee wall areas are well insulated Horizontal Attic Access = R38 min & Vertical Knee Wall Access = R23 min.	1					1	Rater Sign-off		Complete					
Y		3E-4	Unfinished attic remaining unfinished - Improved w/ ADVANCED AIR SEALING materials & techniques. Select all that apply:	x	x	x	x	x	x	Rater Sign-off		Complete					
	Y	3E-4a	Seal all attic by-passes (spot seal with foam or caulk --OR-- spray foam entire attic floor)	2		2			4	Rater Sign-off		Complete					

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	Y	3E-4b	Access openings to existing attic and new knee wall areas are weatherstripped	1					1	Rater Sign-off		Complete				
	Y	3E-4c	Provide insulation wind baffle or other air barrier to block wind washing at all attic eave bays in roof assemblies with soffit vents	1	2				3	Rater Sign-off		Complete				
Y		3G-	Improvements to Finished Attics & Roofs	0	0	0	0	0	0							
Y		3G-PR1	No recessed light fixtures may be installed unless fully compliant with recessed lighting requirements in credit 3PR-7	x	x	x	x	x	x	Rater Sign-off		Drywall				
Y		4	NEW FLOOR, WALL, & ROOF ASSEMBLIES	29	23	4	0	-1	55							
Y		4PR-	Prerequisites	x	x	x	x	x	x							
Y		4PR-1	Finishing a basement can be risky. If choosing to finish a basement anyway, indicate how bulk water and water vapor will be managed by the proposed design.	x	x	x	x	x	x	Other Doc		Design				
Y		4PR-2	Use Integrated Pest Management (IPM) methods to minimize pest entry.	x	x	x	x	x	x	Photo		Complete				
Y		4PR-3	Structural plywood & OSB must conform to PS1 and PS2 standards. Thus shall be made with non-urea formaldehyde, exterior-type adhesives	x	x	x	x	x	x	GC Sign-off		Complete				
Y		4PR-4	All new attached garages must be built with Breezeway / Mudroom and other measures to minimize the potential for garage pollution to enter the house.	x	x	x	x	x	x	GC Sign-off		Design				
Y		4PR-5	No use of 9-1/4" or greater dimension solid lumber in interior floor, wall or roof systems. (Use 2x8s or smaller in exterior decks as much as possible).	x	x	x	x	x	x	GC Sign-off		Design				
Y		4PR-6	If recessed light fixtures are being added or replaced where they penetrate into the unconditioned area of the attic, then new fixtures must be installed to prevent air and thermal leakage.	x	x	x	x	x	x	Notes on Plan		Design				
Y		4PR-7	Any new installation of salvaged doors or windows in an exterior application must be weather stripped, or air sealed with appropriate gasket.	x	x	x	x	x	x	GC Sign-off		Complete				
Y		4PR-8	All new connecting doors between living space and attached garage must be gasketed or made substantially air-tight with weather stripping and an automatic closer	x	x	x	x	x	x	Notes on Plan	Specification	Design				
Y		4PR-9	No power roof vents unless adequate air inlets exist. See also 5PR--7.	x	x	x	x	x	x	Calcs		Design				
Y		4PR-10	Obtain a copy of "FTC Fact Sheet" from the MN Energy Information Center for any type of insulation used on the project. This lists correct R-value for the insulation. (Metro 651-926-5120 or State wide 1-800-657-3710.	x	x	x	x	x	x	Other Doc		Insulation				
Y		4PR-11	All insulation used must be formaldehyde free	x	x	x	x	x		Notes on Plan	Specifications	Insulation				
Y		4A-	Air Tightness -- (See Sub-Section 3A)	0	0	0	0	0	0							
Y		4B-	New Foundations, Crawlspaces & Slab Floor Assemblies	3	1	0	0	0	4							
Y		4B-PR1	Install soil gas (a.k.a. radon) mitigation system in new basement space (crawlspaces exempt)	x	x	x	x	x	x	Notes on Plan		Design				
Y		4B-PR2	Remember basement risk assessment and Calcium Chloride Test before finishing basement. See 4PR -- 1 for more details.	x	x	x	x	x	x	Other Doc		Design				
Y		4B-PR3	New Crawl spaces shall be conditioned (raised pier foundation with no foundation walls are exempt)	x	x	x	x	x	x	Photo	rater	Complete				
Y		4B-PR4	Properly install class 1 or 2 vapor retarder on top of basement and/or crawl space soil or gravel.	x	x	x	x	x	x	Photo	milestone at pre-slab	Insulation				
Y		4B-3	Insulation for NEW SLAB FLOORS Select one:	x	x	x	x	x	X	Photo	milestone at pre-slab	Insulation				

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	Y	4B-3a	R-5 rigid insulation at edge and under entire basement floating floor slab. (assumes NO in-floor radiant heat)	2					2	Photo	milestone at pre-slab	Insulation				
Y		4B-23	Use spray foam to air seal and insulate interior foundation walls and rim joists. Note: If foundation cannot dry to exterior above grade through minimum of 16" of exposed foundation and/or rim joist area is not separated from foundation by a capillary break, then closed cell foam insulation CANNOT exceed the thickness that would reduce its vapor permeability to 1 perm or less.	1	1				2	Rater Sign-off		Drywall				
Y		4C-	New Exterior Walls Above Grade, All New Non-Slab (framed) Floors, All New Interior Partition Walls & All New Ceilings	9	4	1	0	0	14							
Y		4C-9	Advanced insulation materials & techniques used: Select all that apply:	x	x	x	x	x	X	Specifications		Complete				
	Y	4C-9e	Cavity insulation between studs in exterior walls is greater than R19	2					2	Rater Sign-off		Drywall				
	Y	4C-9f	Rim joist connecting two conditioned floors are insulated to greater than R-23	1					1	Rater Sign-off		Drywall				
Y		4C-10	Advanced air sealing techniques used on new walls Select all that apply:	x	x	x	x	x	X	GC Sign-off		Complete				
	Y	4C-10a	Bottom plates of exterior walls sealed to floor or foundation with a proper sealant	1					1	GC Sign-off		Complete				
	Y	4C-10b	Seams and penetrations in rim joist between conditioned floors are sealed	1	1				2	Rater Sign-off		Drywall				
	Y	4C-10c	Seal rim joists at all locations and connection with attic at exterior walls	1					1	Rater Sign-off		Drywall				
	Y	4C-10h	Seal drywall at top plate, bottom plate and penetrations with gasket, sealant or glue	1	1	1			3	GC Sign-off		Complete				
	Y	4C-10l	Exterior sheathing with no gaps larger than 0.25 inches	2					2	GC Sign-off		Complete				
Y		4C-11	Advanced siding materials & techniques used on new walls. Select all that apply:	x	x	x	x	x	X	Photo		Siding				
	Y	4C-11a	Install continuous drainage plane fully sealed at all penetrations that directs water away from home		1				1	Photo		Siding				
	Y	4C-11f	Exposed wood or other absortive material is kept at least 12 inches from soil		1				1	Photo		Complete				
Y		4D-	New Windows, Skylights & Doors	4	4	1	0	-1	8							
Y		4D-PR1	New and Replacement units must meet energy code (existing windows are exempt)	x	x	x	x	x	x	Specifications		Complete				
Y		4D-PR2	Windows must be ENERGY STAR and National Fenestration Rating Council (NFRC) labeled (existing window sash are exempt)	x	x	x	x	x	x	Specifications		Complete				
Y		4D-PR3	Flash windows and exterior doors with pan, side & head flashing	x	x	x	x	x	x	Photo		Siding				
Y		4D-PR5	Air seal around outside of window and door units with low expansion foam insulation.	x	x	x	x	x	x	Photo		Drywall				
Y		4D-PR6	New connecting doors between living space and garage are self closing and ≤ 0.30cfm/sq.ft. air leakage rating.	x	x	x	x	x	x	Photo		Complete				
Y		4D-1	New windows and/or skylights: (min. 90% of units) Select all that apply:	X	X	X	X	X	x	Specifications		Complete				
	Y	4D-1a	Windows and/or skylights have a U-factor of 0.32	3					3	Specifications		Complete				
Y		4D-4	Install Energy Star light tubes to bring light to interior areas that receive limited daylight	1		1			2	Photo		Complete				

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Y		4D-6	New cover on a new entry. Must extend three feet out from new entry. (See Sub-Section 3D for existing entries. Select Only One:	x	x	x	x	x	x	Photo		Complete				
	Y	4D-6a	1 new entry		2				2	Photo		Complete				
Y		4D-7	Doors at entry between conditioned & unconditioned space and/or between interior & exterior Select all that apply:	X	X	X	X	X	X	Specifications		Complete				
	Y	4D-7f	Door(s) have metal outer skin. (i.e. aluminum or steel)		2			-1	1	Specifications		Complete				
Y		4E-	New Attics & Roof Additions	13	14	2	0	0	29							
Y		4E-PR1	No recessed light fixtures in finished attic space, or recessed light fixture housing from a conditioned space protruding into an unconditioned attic space, unless installations can be met based on diagram 4PR-7	x	x	x	x	x	x	Plan		Design				
Y		4E-PR2	Provide attic insulation thickness markers	x	x	x	x	x	x	Rater Sign-off		Complete				
Y		4E-PR3	Provide attic information card	x	x	x	x	x	x	Rater Sign-off	Photo	Complete				
Y		4E-PR4	If batt insulation is used to insulate knee walls, an attic-side air barrier is required.	x	x	x	x	x	x	Rater Sign-off		Drywall				
Y		4E-PR5	Step flashing & kick-out flashing required at all roof / sidewall locations	x	x	x	x	x	x	Photo	if applicable	Complete				
Y		4E-7	Use Advanced Framing Techniques (a.k.a. Optimum Value Engineering - OVE) for roof construction. Select all that apply:	x	x	x	x	x	x	Photo		Drywall				
	Y	4E-7a	19.2" or 24" o.c. roof framing	1	1				2	Photo		Drywall				
Y		4E-8	New attic built using Advanced Insulation materials & techniques. Select all that apply:	x	x	x	x	x	x	Specifications		Complete				
	Y	4E-8d	Attic insulation total R50 or more (flat or vaulted)	6					6	Rater Sign-off		Drywall				
Y		4E-9	New Roof Built w/ Advanced air sealing techniques. Select all that apply:	x	x	x	x	x	x	Rater Sign-off		Complete				
	Y	4E-9a	Seal all attic by-passes (spot seal with foam or caulk --OR-- spray foam entire attic floor)	2		2			4	Rater Sign-off		Complete				
	Y	4E-9c	Provide insulation wind baffle or other air barrier to block wind washing at all attic eave bays in roof assemblies with soffit vents	1	2				3	Rater Sign-off		Complete				
Y		4E-10	New Roof Built w/ Advanced Roofing Materials & Techniques. Select all that apply:	x	x	x	x	x	x	Photo		Roofing				
	Y	4E-10a	Self sealing bituminous membrane at valleys & penetrations (code required at eaves)		1				1	Photo		Roofing				
	Y	4E-10d	Metal "W" shaped valley flashing at valleys		1				1	Photo		Roofing				
Y		4E-11	Roof Overhang Select one:	x	x	x	x	x	x	Plan		Design				
	Y	4E-11b	24" to 31"	1	2				3	Plan		Design				
Y		4E-12	Install roof gutters to discharge water 5' away from any foundation or, in limited spaces, deposit into underground pipe that carries water min. 10 feet from foundation		4				4	Photo		Complete				
Y		4E-13	Design and specify balanced roof ventilation system. (Non-vented "Hot" roofs also qualify if drawings are included to show critical details. i.e. @ roof / wall intersections.)	1	1				2	Other Doc		Complete				

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Y	4E-14	Implement design from 4E -13. Install-new eave vents, vent chutes, roof vents, etc —OR— Implement non-vented strategy. (Non-vented designs must be pre-approved by building code official.)	1	2				3	Photo		Complete				
Y	5	MECHANICALS	42	7	12	0	5	66							
Y	5PR-	Prerequisites	x	x	x	x	x	x							
Y	5PR-1	No unvented combustion units, with the exception of kitchen-type cooking devices with exhaust ventilation	x	x	x	x	x	x	GC Sign-off		Complete				
Y	5PR-2	No equipment is permitted that intentionally produces ozone as a product rather than as an incidental by-product	x	x	x	x	x	x	GC Sign-off		Complete				
Y	5PR-3	All clothes dryers must vent to the outside. Any new venting being added must be smooth, rigid duct, and must terminate at least 10 feet from any air intakes and any air conditioning compressor.	x	x	x	x	x	x	Photo	int and exterior	Drywall				
Y	5PR-4	No air handlers or conditioning equipment shall be placed in unconditioned spaces (e.g., garage)(does not include condensors)	x	x	x	x	x	x	GC Sign-off		Complete				
Y	5PR-5	Ducts must be protected until construction (including floor finishing) is completed (protect returns, intakes & air handling equipment)	x	x	x	x	x	x	Homeowner sign-off		Complete				
Y	5PR-6	No power roof vents unless adequate air inlets exist.	x	x	x	x	x	x	Other Doc		Complete				
Y	5PR-7	All new ductwork must be sealed	x	x	x	x	x	x	Photo		Drywall				
Y	5PR-8	New ducting MAY NOT use building cavities as part of air supply or return system.	x	x	x	x	x	x	Photo		Drywall				
Y	5PR-9	All bath fan ducting that is in unheated space shall be insulated to min R8	x	x	x	x	x	x	Photo		Drywall				
Y	5PR-10	All new cooling and heating equipment must be installed with a programmable thermostat --AND-- it must be programmed	x	x	x	x	x	x	GC Sign-off		Complete				
Y	5PR-11	No new air handling equipment shall be installed in a garage. If existing, it must be in a room sealed off from automobile emissions, and with fresh air supply as required by mechanical equipment within.	x	x	x	x	x	x	GC Sign-off		Complete				
Y	5A-	Ventilation and Fresh Air for Occupants	6	4	8	0	0	18							
Y	5A-2	If no air exhaust already exists, install air exhaust system in any bathroom, kitchen, or laundry room. Must install ENERGY STAR equipment, ≤ 1 Sone, proper CFM & smooth rigid duct. (If kitchen, then > 1 Sone is acceptable.) Select one:	x	x	x	x	x	x	GC Sign-off	And Photo	Complete				VERIFY WHAT FANS EXIST BEFORE REMODEL
Y	5A-2b	2 Rooms		2	2			4	GC Sign-off	And Photo	Complete				
Y	5A-3	If any non-ENERGY STAR rated fan already exists, in any bathroom,kitchen or laundry room, it can be replaced with ENERGY STAR fan, ≤ 1 Sone. Proper CFM & smooth rigid duct required. (If kitchen, then > 1 Sone is acceptable.) Select one:	x	x	x	x	x	x	GC Sign-off	And Photo	Complete				VERIFY WHAT FANS EXIST BEFORE REMODEL
Y	5A-3a	1 Room	1	1				2	GC Sign-off	And Photo	Complete				
Y	5A-4	Install automatic controls on any exhaust fan in any bathrom or laundry room Select one:	x	x	x	x	x	x	GC Sign-off	And Photo	Complete				
Y	5A-4a	1 Room		1	1			2	GC Sign-off	And Photo	Complete				
Y	5A-6	Check air filter hardware for tightness and correct if leaks are detected			1			1	Rater Sign-off		Complete				
Y	5A-10	All outdoor air intakes for ventilation located at least 10' away from air exhaust outlets and areas where vehicles may be idling.	4		2			6	Photo	Rater Sign Off	Complete				
Y	5A-11	Install large media filter	1		2			3	Homeowner sign-off		Complete				INSTALL THICK AIR FILTER ON FURNACE
Y	5C-	Ducting/Air Distribution Strategies	9	1	4	0	0	14							

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Y		5C-PR1	All flex duct pulled tight-no pinches	x	x	x	x	x	x	Photo		Drywall				
Y		5C-PR2	All new ductwork in unconditioned space insulated (attics = R-30 min.) (walls = R10 min.)	x	x	x	x	x	x	Rater Sign-off		Drywall				
Y		5C-PR3	No building cavities can be used as ductwork. (i.e. no panning of joist or wall cavities for duct supply or return)	x	x	x	x	x	x	Rater Sign-off		Drywall				
Y		5C-3	Ductwork Select all that apply:	x	x	x	x	x	x	Rater Sign-off		Drywall				
	Y	5C-3a	All newly added ductwork kept in conditioned space and interior walls. Ductwork allowed in vaulted ceiling provided it stays on the conditioned side and the minimum R-values are still met	2					2	Rater Sign-off		Drywall				
	Y	5C-3J	Seal all New Ductwork with Mastic	2	1	2			5	Photo		Drywall				
Y		5C-5	Seal existing HVAC cabinet seams, and all seams of plenums and duct-work with mastic. Install gaskets on cabinet doors if possible.	5		2			7	Rater Sign-off		Drywall				
Y		5D-	Heating and Cooling Equipment	27	2	0	0	5	34							
Y		5D-PR1	No direct expansion systems allowed	x	x	x	x	x	x	GC Sign-off		Complete				
Y		5D-PR2	Condensation drains into drain system not under slab	x	x	x	x	x	x	Photo		Complete				
Y		5D-1	Design and install heating a cooling equipment according to manual J calculations.	3	2				5	Other Doc		Complete				
Y		5D-2	Heating & Cooling Equipment Efficiency. At the end of the project ALL heating and cooling equipment must meet or exceed one of the categories below to get credit Select one:	x	x	x	x	x	x	Specifications		Complete				
	Y	5D-2c	Substantially better than ENERGY STAR (9.0HSPF, ≥ 94 AFUE Furnace, ≥ 90 AFUE Boiler. See manual for heat pump values.)	15					15	Specifications		Complete				
	Y	5D-2e	Cooling is better than ENERGY STAR (≥ 16 SEER) (see manual for heat pump values)	7					7	Specifications		Complete				
Y		5D-6	Furnace is equipped with an electronically commutated fan motor (ECMs) -- (variable speed motor)	1					1	Specifications		Complete				
Y		5D-7	Air conditioner refrigerant is HCFC alternative					3	3	Specifications		Complete				
Y		5D-8	Verify proper refrigerant charge by HVAC contractor	1					1	Other Doc	HVAC test	Complete				
Y		5D-11	Establish interruptible service for air conditioner with electric service					2	2	Photo		Complete				
Y		6	ELECTRICAL	26	3	-1	6	4	38							
Y		6PR-	Prerequisites	x	x	x	x	x	x							
Y		6PR-1	New appliances must meet or exceed ENERGY STAR requirements	x	x	x	x	x	x	Specifications		Complete				
Y		6PR-2	If recessed light fixtures are being added where they penetrate into the unconditioned area of the attic, then fixtures must be installed to prevent air and thermal leakage. (See 3PR - 6 4PR - 6)	x	x	x	x	x	x	Notes on Plan		Design				
Y		6A-	Appliances	17	0	-1	6	2	24							
Y		6A-1	Document energy consumption and age of all existing major appliances	1					1	Other Doc		Complete				
Y		6A-2	Replace existing appliances older than 1993 (ENERGY STAR rated required) Select all that apply:	x	x	x	x	x	x	Receipt/Invoice		Complete				
	Y	6A-2a	Refrigerator	6				1	7	Receipt/Invoice		Complete				

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	Y	6A-2c	Dishwasher	2			2		4	Receipt/Invoice		Complete				
	Y	6A-2d	Clothes washer	4			4		8	Receipt/Invoice		Complete				
Y		6A-7	Install or replace electric cook top with gas cook top	1		-1			0	Photo	before and after	Complete				VERIFY TYPE OF EXISTING COOKTOP
Y		6A-9	Install or replace electric dryer with gas dryer	1				1	2	Receipt/Invoice	include doc of prior	Complete				
Y		6A-11	Number of energy consuming electrical appliances is 4 or less	2					2	Other Doc		Complete				
Y		6B-	Fans, Fixtures and Lights	7	3	0	0	2	12							
Y		6B-4	Install CFL bulbs in 90% of whole house	4				2	6	Calcs	Specifications & Photos	Complete				
Y		6B-17	No recessed light fixtures added in insulated ceilings	3	3				6	GC Sign-off	Rater	Complete				
Y		6C-	Wiring	1	0	0	0	0	1							
Y		6C-2	Direct wire all bath fans to light switch or humidistat (See 5A - 4 for points)		x	x	x	x	x	GC Sign-off	And Photo	Complete				
Y		6D-	Electrical Systems	1	0	0	0	0	1							
Y		6D-4	No electric in-floor heating	1					1	GC Sign-off		Complete				
Y		7	WATER - PLUMBING, SYSTEMS AND FIXTURES	3	6	7	9	3	28							
Y		7PR-	Prerequisites	x	x	x	x	x	x							
Y		7PR-1	All newly installed plumbing fixtures and appliances Meet or exceed the 2005 National Energy Policy Act standards for water usage.	x	x	x	x	x	x	Specifications		Complete				
Y		7PR-2	No new supplies or drains in exterior walls	x	x	x	x	x	x	GC Sign-off	Plumber sign-off	Drywall				
Y		7A-	Equipment	0	0	4	0	0	4							
Y		7A-1	Replace or install new water heater Select all that apply:	x	x	x	x	x	x	Specifications	Photo	Complete				
	Y	7A-1a	Install a sealed combustion unit			3			3	Specifications	Photo	Complete				
	Y	7A-1g	Install power vented water heater			1			1	Specifications	Photo	Complete				
Y		7B-	Fixtures	0	0	0	8	0	8							
Y		7B-5	Limit shower heads to one per shower				2		2	Photo		Complete				
Y		7B-6	Replace shower heads with low flow (max 2.5 gpm) showerheads				1		1	Specifications		Complete				
Y		7B-13	Replace all toilets in home with low flow (1.6 g/flush)				4		4	Receipt/Invoice	Specs	Complete				
Y		7B-17	Replace all faucets or add aerators with low flow (max 2.2 gl/mn)				1		1	Specifications		Complete				
Y		7C-	Piping	2	6	3	0	3	14							
Y		7C-1	Use copper alternative (PEX) when adding new or replacing existing water supply pipes		1	1		1	3	Photo		Drywall				
Y		7C-4	Install water heater jacket on hot water heater (min. R-8)	1					1	Photo		Complete				
Y		7C-5	Install water heater pipe insulation for first 20' of pipe	1					1	Photo		Complete				
Y		7C-9	Install whole house fire supression system		5	2		2	9	Photo		Complete				
Y		7D-	Water Systems	1	0	0	1	0	2							

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Y	7D-7	No garbage disposal	1			1		2	Homeowner sign-off	GC Sign off	Complete				
Y	8	FINISH MATERIALS AND COATINGS	0	1	12	0	0	13							
Y	8PR-	Prerequisites	x	x	x	x	x	x							
Y	8PR-1	During the period between finishing and occupancy, ventilate the building with outside air at the highest rate the ventilation system can produce (minimum of 48 hours)	x	x	x	x	x	x	GC Sign-off	Homeowner Sign off	Complete				
Y	8PR-2	Suspended/Acoustical ceilings are made with recycled materials (at least 60% - recycled content may include slag wool, other mineral wools, cellulose and recycled ceiling tiles - non fiberglass)	x	x	x	x	x	x	Specifications		Complete				
Y	8PR-3	No paper-coated drywall in shower or tub surround or other moisture-rich area	x	x	x	x	x	x	Photo		Pre-finish				
Y	8PR-4	No vinyl wall coverings allowed in moisture-rich areas such as bathrooms, kitchens, laundry rooms	x	x	x	x	x	x	GC Sign-off		Complete				
Y	8PR-5	All new carpet must be CRI Green Label Plus or third-party certified as low-emitting.	x	x	x	x	x	x	Specifications		Complete				
Y	8A-	Wall and Ceiling Surface Materials & Coatings	0	0	4	0	0	4							
Y	8A-3	Use low / no-VOC paint/primer, natural clay, or natural plaster for 90% of the wall/ceiling area (non-tub and shower areas) Select all that apply:	x	x	x	x	x	x	Specifications	Calculator (all wall/ceiling surface area)	Complete				VERIFY EPOXY PAINT?
Y	8A-3c	low VOC primer			2			2	Specifications	Calculator (all wall/ceiling surface area)	Complete				VERIFY EPOXY PAINT?
Y	8A-3f	Low VOC paint			2			2	Specifications	Calculator (all wall/ceiling surface area)	Complete				
Y	8B-	Flooring	0	1	8	0	0	9							
Y	8B-1	No wall-to-wall carpet in bathrooms, kitchens, entryways and utility rooms			1			1	Photo	(photo of each listed room)	Complete				
Y	8B-2	Install all hard-surface flooring (no carpet)		1	6			1	Specifications		Complete				
Y	8B-6	Use low VOC carpet glue			1			1	Specifications		Complete				NO CARPET EXISTS
Y	8C-	Millwork, Doors and Windows	0	0	0	0	0	0							
Y	9	WASTE MANAGEMENT	0	3	0	0	10	13							
Y	9A-	Construction & Demolition Waste	0	3	0	0	10	13							
Y	9A-1	Require subcontractors to participate in waste reduction and recycling efforts		1			2	3	Other Doc	Each sub contract and/or notes on plans	PreConstruction				
Y	9A-2	Deconstruct for reuse the following items:	x	x	x	x	x	x	Other Doc	Receipt, Photos,	PreConstruction				
Y	9A-2a	Cabinets, millwork or trim (70% minimum)		1			1	2	Other Doc	Receipt, Photos, statement	PreConstruction				

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Y		9A-3	Recycle the following:	x	x	x	x	x	x	Receipt/Invoice	Statement	Complete					CONSIDER ATOMIC CONSTRUCTION & DEMOLITION RECYCLING
	Y	9A-3a	Packaging					1	1	Receipt/Invoice	Statement	Complete					
	Y	9A-3b	Workers' beverage containers					1	1	GC Sign-off		Complete					
	Y	9A-3c	Cardboard from new fixtures, appliances, and cabinets (90% minimum)					1	1	Receipt/Invoice	Statement	Complete					
	Y	9A-3d	Metal - copper, brass, lead and aluminum and non precious metals like steel, tin or sheet metal (90% minimum)					1	1	Receipt/Invoice	Statement	Complete					
	Y	9A-3L	Wood scrap and broken pallets (70% landfill diversion)		1			1	2	Receipt/Invoice	Statement	Complete					
Y		9A-12	Donate, sell or give away excess materials for reuse					1	1	Other Doc	Statement	Complete					
Y		9A-13	Store and provide weather protection to building materials for future use by homeowner					1	1	Photo		Complete					STACK IN GARAGE?
Y		10	EDUCATION	0	0	2	0	0	2								
Y		10A-	Homeowner and Subcontractor Education	0	0	2	0	0	2								
Y		10A-2	Lead paint test performed			1			1	Test results		Design					
Y		10A-3	Asbestos test performed			1			1	Test results		Design					