

# SCOTTSDALE GREEN RAINING

CATEGORY	MANDATORY REQUIREMENTS FOR RESIDENTIAL GREEN BUILDING	POINTS	COMMENTS
ENERGY RATING/ PERFORMANCE	1. PROVIDE ALL EXTERIOR WINDOWS WITH ENERGY STAR CERTIFIED, DOUBLE-GLAZED WITH RESISTANCE TO SOLAR GAIN.	1 PLAN REVIEW	
	2. AT LEAST 60% OF WINDOW GLASSING IS WINDOW OR WINDOW PLANTING (UNLESS DESIGNER CHOSE BY COMMENT).	1 PLAN REVIEW	
	3. BUILDING DESIGN TO BE AT LEAST ONE HOUR ICC INTERNATIONAL ENERGY CONSERVATION CODE OR MEET ENERGY STAR FOR HOMES CERTIFICATION.	1 PLAN REVIEW	
	4. SEAL ALL PENETRATIONS AND CONNECTIONS TO PREVENT AIR LEAKAGE (E.G. TOP AND BOTTOM LATCH, CORNER AND ANY PENETRATION OF AIR INFILTRATION) AND ALL INTERIOR WALLS, CEILING REQUIREMENTS.	1 PLAN REVIEW	
HEATING, COOLING, & VENTILATION	5. SPACE HEATING AND COOLING SYSTEMS EQUIPPED ACCORDING TO BUILDING HEATING AND COOLING LOAD CALCULATED USING LOAD MANIPULATION (OR EQUIVALENT) OR REQUIREMENTS.	1 PLAN REVIEW	
	6. SEER, SEER2, AND METRIC SEER2 RATIO MUST BE AT LEAST 13.0 FOR ALL ROOMS EXCEPT FOR BATHS. SEER2 RATIO MUST BE AT LEAST 14.0 FOR ALL ROOMS EXCEPT FOR BATHS. SEER2 RATIO MUST BE AT LEAST 14.0 FOR ALL ROOMS EXCEPT FOR BATHS. SEER2 RATIO MUST BE AT LEAST 14.0 FOR ALL ROOMS EXCEPT FOR BATHS.	1 PLAN REVIEW	
	7. SEER, SEER2, AND METRIC SEER2 RATIO MUST BE AT LEAST 13.0 FOR ALL ROOMS EXCEPT FOR BATHS. SEER2 RATIO MUST BE AT LEAST 14.0 FOR ALL ROOMS EXCEPT FOR BATHS. SEER2 RATIO MUST BE AT LEAST 14.0 FOR ALL ROOMS EXCEPT FOR BATHS.	1 PLAN REVIEW	
	8. SEER, SEER2, AND METRIC SEER2 RATIO MUST BE AT LEAST 13.0 FOR ALL ROOMS EXCEPT FOR BATHS. SEER2 RATIO MUST BE AT LEAST 14.0 FOR ALL ROOMS EXCEPT FOR BATHS. SEER2 RATIO MUST BE AT LEAST 14.0 FOR ALL ROOMS EXCEPT FOR BATHS.	1 PLAN REVIEW	
INDOOR ENVIRONMENTAL QUALITY	9. ALL OUTDOOR AIR INTAKE SYSTEMS SHALL BE USED AS A DIRECT INTAKE SYSTEM.	1 PLAN REVIEW	
	10. ALL SUPPLY AIR SHALL BE FILTERED TO REMOVE PARTICLES.	1 PLAN REVIEW	
	11. WHERE LOCATED WITHIN UNCONDITIONED SPACES, DUCTS SHALL BE AIR LEAK FREE (MFR) AND SHALL BE SEALED TO PREVENT AIR LEAKAGE.	1 PLAN REVIEW	
	12. REPAIR/REPLACE SHALL BE LABELED TO MINIMUM 2.0 (EFC).	1 PLAN REVIEW	
ROOFING	13. INSTALL ENERGY STAR LABELED PERFORMANCE MINIMUM 2.0 (EFC).	1 PLAN REVIEW	
	14. INSTALL A MINIMUM OF THREE AIR-TOUGH (STRUCTURALLY MOUNTED AND WEDGED) IN THE ROOF FOR EACH SQUARE FOOT OF ROOF AREA.	1 PLAN REVIEW	
	15. INSTALL CARBON MONOXIDE (CO) DETECTOR AT HOUSE/GARAGE ENTRY DOOR AND IN EACH AREA WHERE COMBUSTION APPLIANCES ARE USED (EXHAUST COMPLETION ARE COMPLETE).	1 PLAN REVIEW	
	16. DESIGN AND INSTALL EXHAUST FAN SYSTEM FOR KITCHEN RANGE HOOD WITH A MINIMUM INTAKE RATE OF 100 CFM AND MINIMUM CONTINUOUS RATE OF 20 CFM TO THE OUTSIDE (APPROX. 375-625 U.S. CUBIC FEET PER HOUR). EXHAUST FAN SHALL BE LABELED AND RATED FOR EXHAUST TO THE OUTSIDE.	1 PLAN REVIEW	
LIGHTING	17. INSTALL AIR FILTERS WITH A MIN. MERV RATING OF 5. ENSURE THAT AIR HANDLERS CAN MAINTAIN POSITIVE PRESSURE AND AIR FLOW LINES IN A DUCTLESS SYSTEM.	1 PLAN REVIEW	
	18. INSTALL SPACE HEATING AND WATER HEATING EQUIPMENT IN ISOLATED/SEALED MECHANICAL ROOMS WITH AN OUTSIDE SOURCE OF COMBUSTION AIR (SEALED COMBUSTION AIRWAYS ARE EXEMPT).	1 PLAN REVIEW	
	19. ALL MECHANICAL EQUIPMENT WITH AN OUTSIDE AIR INTAKE SHALL BE PLACED IN ISOLATED/SEALED MECHANICAL ROOMS WITH AN OUTSIDE SOURCE OF COMBUSTION AIR (SEALED COMBUSTION AIRWAYS ARE EXEMPT).	1 PLAN REVIEW	
	20. SEAL OFF DUCTS DURING CONSTRUCTION OR CLEAN HVAC DUCTS AND BLOWER FAN.	1 PLAN REVIEW	
PLUMBING	21. AT LEAST 50% OF INTERIOR WALL SURFACES AND CEILING WITH A MINIMUM 1/4" THICK REFLECTIVE INSULATION SHALL BE INSTALLED TO REDUCE HEAT LOSS AND GAIN.	1 PLAN REVIEW	
	22. INTERIOR WALL SURFACES AND CEILING WITH A MINIMUM 1/4" THICK REFLECTIVE INSULATION SHALL BE INSTALLED TO REDUCE HEAT LOSS AND GAIN.	1 PLAN REVIEW	
	23. INTERIOR WALL SURFACES AND CEILING WITH A MINIMUM 1/4" THICK REFLECTIVE INSULATION SHALL BE INSTALLED TO REDUCE HEAT LOSS AND GAIN.	1 PLAN REVIEW	
	24. INTERIOR WALL SURFACES AND CEILING WITH A MINIMUM 1/4" THICK REFLECTIVE INSULATION SHALL BE INSTALLED TO REDUCE HEAT LOSS AND GAIN.	1 PLAN REVIEW	
INTERIOR FINISHES	25. INTERIOR WALL SURFACES AND CEILING WITH A MINIMUM 1/4" THICK REFLECTIVE INSULATION SHALL BE INSTALLED TO REDUCE HEAT LOSS AND GAIN.	1 PLAN REVIEW	
	26. INTERIOR WALL SURFACES AND CEILING WITH A MINIMUM 1/4" THICK REFLECTIVE INSULATION SHALL BE INSTALLED TO REDUCE HEAT LOSS AND GAIN.	1 PLAN REVIEW	
	27. INTERIOR WALL SURFACES AND CEILING WITH A MINIMUM 1/4" THICK REFLECTIVE INSULATION SHALL BE INSTALLED TO REDUCE HEAT LOSS AND GAIN.	1 PLAN REVIEW	
	28. INTERIOR WALL SURFACES AND CEILING WITH A MINIMUM 1/4" THICK REFLECTIVE INSULATION SHALL BE INSTALLED TO REDUCE HEAT LOSS AND GAIN.	1 PLAN REVIEW	
SOLID WASTE & MAINTENANCE	29. PROVIDE A RECYCLING BIN OR BIN WITH A MINIMUM 200 GALS/UNIT VOLUME CAPACITY FOR RECYCLING MATERIALS.	1 PLAN REVIEW	
	30. PROVIDE A RECYCLING BIN OR BIN WITH A MINIMUM 200 GALS/UNIT VOLUME CAPACITY FOR RECYCLING MATERIALS.	1 PLAN REVIEW	
	31. PROVIDE A RECYCLING BIN OR BIN WITH A MINIMUM 200 GALS/UNIT VOLUME CAPACITY FOR RECYCLING MATERIALS.	1 PLAN REVIEW	
	32. PROVIDE A RECYCLING BIN OR BIN WITH A MINIMUM 200 GALS/UNIT VOLUME CAPACITY FOR RECYCLING MATERIALS.	1 PLAN REVIEW	
HOUSE SIZE RATING ADJUSTMENT	33. HOUSE SIZE RATING ADJUSTMENT SHALL BE CALCULATED AS FOLLOWS:	1 PLAN REVIEW	
	34. HOUSE SIZE RATING ADJUSTMENT SHALL BE CALCULATED AS FOLLOWS:	1 PLAN REVIEW	
	35. HOUSE SIZE RATING ADJUSTMENT SHALL BE CALCULATED AS FOLLOWS:	1 PLAN REVIEW	
	36. HOUSE SIZE RATING ADJUSTMENT SHALL BE CALCULATED AS FOLLOWS:	1 PLAN REVIEW	
GREEN BUILDING SELECTED OPTIONS FOR RESIDENTIAL RATING	37. NOTE: ALL OPTIONS REQUIRE 85% THRESHOLD UNLESS OTHERWISE NOTED.	1 PLAN REVIEW	
	38. NOTE: ALL OPTIONS REQUIRE 85% THRESHOLD UNLESS OTHERWISE NOTED.	1 PLAN REVIEW	
	39. NOTE: ALL OPTIONS REQUIRE 85% THRESHOLD UNLESS OTHERWISE NOTED.	1 PLAN REVIEW	
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CATEGORY	MANDATORY REQUIREMENTS FOR RESIDENTIAL GREEN BUILDING	POINTS	COMMENTS
ELECTRICAL POWER, LIGHTING, AND APPLIANCES	41. INTERIOR FLOOR COVERING IS LIGHT COLOR, WITH A MINIMUM UVA OF 200.	1 SELF-CERTIFY	
	42. EXTERIOR LIGHTING SHALL BE ENERGY EFFICIENT (EFC) AND DIMMABLE.	1 SELF-CERTIFY	
	43. RECESSED LIGHTS SHALL NOT EXCEED 40 LUMENS PER FOOT OF RUN OR MORE, HIGH-SPICACY LIGHTING SHALL BE USED TO ILLUMINATE THE ENTIRE ROOM.	2 SELF-CERTIFY	
	44. AT LEAST ONE OF THE FOLLOWING IS REQUIRED: 1. DIMMABLE LIGHTING. 2. DIMMABLE LIGHTING WITH A MINIMUM OF 2 DIMMABLE LIGHTS PER ROOM. 3. DIMMABLE LIGHTING WITH A MINIMUM OF 2 DIMMABLE LIGHTS PER ROOM.	2 SELF-CERTIFY	
7. PLUMBING SYSTEM	45. ALL WATER LINES SHALL BE FULLY INSULATED TO MIN. R-10 THROUGHOUT ENTIRE HOUSE INCLUDING UNDER SLABS.	1 SELF-CERTIFY	
	46. GAS PIPING SHALL BE FULLY INSULATED TO MIN. R-10 THROUGHOUT ENTIRE HOUSE INCLUDING UNDER SLABS.	1 SELF-CERTIFY	
	47. METAL ENERGY-EFFICIENT WATER HEATING EQUIPMENT MEETS ONE OF THE FOLLOWING ENERGY FACTOR (EF) RATIOS:	1 SELF-CERTIFY	
	48. ELECTRIC WATER HEATERS: CONVENTIONAL, HIGH EFFICIENCY UNIT = 1.0 EF, HEAT PUMP WATER HEATERS = 2.0 EF.	1 SELF-CERTIFY	
8. ROOFING	49. ALL ROOFING MATERIALS SHALL BE FULLY INSULATED TO MIN. R-10 THROUGHOUT ENTIRE HOUSE INCLUDING UNDER SLABS.	1 SELF-CERTIFY	
	50. ALL ROOFING MATERIALS SHALL BE FULLY INSULATED TO MIN. R-10 THROUGHOUT ENTIRE HOUSE INCLUDING UNDER SLABS.	1 SELF-CERTIFY	
	51. ALL ROOFING MATERIALS SHALL BE FULLY INSULATED TO MIN. R-10 THROUGHOUT ENTIRE HOUSE INCLUDING UNDER SLABS.	1 SELF-CERTIFY	
	52. ALL ROOFING MATERIALS SHALL BE FULLY INSULATED TO MIN. R-10 THROUGHOUT ENTIRE HOUSE INCLUDING UNDER SLABS.	1 SELF-CERTIFY	
9. EXTERIOR FINISHES	53. EXTERIOR FINISHES ARE DERIVED FROM RECYCLED SOURCES WITH 300 GALS OF JOBSITE. THIS INCLUDES STONE OR GRANITE FLOOR FINISHES THAT ARE RECYCLED OR REFINISHED.	1 SELF-CERTIFY	
	54. EXTERIOR FINISHES ARE DERIVED FROM RECYCLED SOURCES WITH 300 GALS OF JOBSITE. THIS INCLUDES STONE OR GRANITE FLOOR FINISHES THAT ARE RECYCLED OR REFINISHED.	1 SELF-CERTIFY	
	55. EXTERIOR FINISHES ARE DERIVED FROM RECYCLED SOURCES WITH 300 GALS OF JOBSITE. THIS INCLUDES STONE OR GRANITE FLOOR FINISHES THAT ARE RECYCLED OR REFINISHED.	1 SELF-CERTIFY	
	56. EXTERIOR FINISHES ARE DERIVED FROM RECYCLED SOURCES WITH 300 GALS OF JOBSITE. THIS INCLUDES STONE OR GRANITE FLOOR FINISHES THAT ARE RECYCLED OR REFINISHED.	1 SELF-CERTIFY	
10. INTERIOR FINISHES	57. INTERIOR FINISHES ARE DERIVED FROM RECYCLED SOURCES WITH 300 GALS OF JOBSITE. THIS INCLUDES STONE OR GRANITE FLOOR FINISHES THAT ARE RECYCLED OR REFINISHED.	1 SELF-CERTIFY	
	58. INTERIOR FINISHES ARE DERIVED FROM RECYCLED SOURCES WITH 300 GALS OF JOBSITE. THIS INCLUDES STONE OR GRANITE FLOOR FINISHES THAT ARE RECYCLED OR REFINISHED.	1 SELF-CERTIFY	
	59. INTERIOR FINISHES ARE DERIVED FROM RECYCLED SOURCES WITH 300 GALS OF JOBSITE. THIS INCLUDES STONE OR GRANITE FLOOR FINISHES THAT ARE RECYCLED OR REFINISHED.	1 SELF-CERTIFY	
	60. INTERIOR FINISHES ARE DERIVED FROM RECYCLED SOURCES WITH 300 GALS OF JOBSITE. THIS INCLUDES STONE OR GRANITE FLOOR FINISHES THAT ARE RECYCLED OR REFINISHED.	1 SELF-CERTIFY	

CATEGORY	MANDATORY REQUIREMENTS FOR RESIDENTIAL GREEN BUILDING	POINTS	COMMENTS
11. INTERIOR DOORS, CABINETRY, AND TRIM	61. ALL SOLID WOOD DOORS ARE DOMESTIC HARVESTED OR CERTIFIED BY THE FOREST STEWARDSHIP COUNCIL (FSC).	2 SELF-CERTIFY	
	62. ALL SOLID WOOD DOORS ARE DOMESTIC HARVESTED OR CERTIFIED BY THE FOREST STEWARDSHIP COUNCIL (FSC).	2 SELF-CERTIFY	
	63. ALL SOLID WOOD DOORS ARE DOMESTIC HARVESTED OR CERTIFIED BY THE FOREST STEWARDSHIP COUNCIL (FSC).	2 SELF-CERTIFY	
	64. ALL SOLID WOOD DOORS ARE DOMESTIC HARVESTED OR CERTIFIED BY THE FOREST STEWARDSHIP COUNCIL (FSC).	2 SELF-CERTIFY	
12. LIGHTING	65. ALL LIGHTING FIXTURES SHALL BE ENERGY EFFICIENT (EFC) AND DIMMABLE.	1 SELF-CERTIFY	
	66. ALL LIGHTING FIXTURES SHALL BE ENERGY EFFICIENT (EFC) AND DIMMABLE.	1 SELF-CERTIFY	
	67. ALL LIGHTING FIXTURES SHALL BE ENERGY EFFICIENT (EFC) AND DIMMABLE.	1 SELF-CERTIFY	
	68. ALL LIGHTING FIXTURES SHALL BE ENERGY EFFICIENT (EFC) AND DIMMABLE.	1 SELF-CERTIFY	
13. SOLID WASTE	69. PROVIDE A RECYCLING BIN OR BIN WITH A MINIMUM 200 GALS/UNIT VOLUME CAPACITY FOR RECYCLING MATERIALS.	1 PLAN REVIEW	
	70. PROVIDE A RECYCLING BIN OR BIN WITH A MINIMUM 200 GALS/UNIT VOLUME CAPACITY FOR RECYCLING MATERIALS.	1 PLAN REVIEW	
	71. PROVIDE A RECYCLING BIN OR BIN WITH A MINIMUM 200 GALS/UNIT VOLUME CAPACITY FOR RECYCLING MATERIALS.	1 PLAN REVIEW	
	72. PROVIDE A RECYCLING BIN OR BIN WITH A MINIMUM 200 GALS/UNIT VOLUME CAPACITY FOR RECYCLING MATERIALS.	1 PLAN REVIEW	
14. INNOVATIVE DESIGN	73. PROVIDE A RECYCLING BIN OR BIN WITH A MINIMUM 200 GALS/UNIT VOLUME CAPACITY FOR RECYCLING MATERIALS.	1 PLAN REVIEW	
	74. PROVIDE A RECYCLING BIN OR BIN WITH A MINIMUM 200 GALS/UNIT VOLUME CAPACITY FOR RECYCLING MATERIALS.	1 PLAN REVIEW	
	75. PROVIDE A RECYCLING BIN OR BIN WITH A MINIMUM 200 GALS/UNIT VOLUME CAPACITY FOR RECYCLING MATERIALS.	1 PLAN REVIEW	
	76. PROVIDE A RECYCLING BIN OR BIN WITH A MINIMUM 200 GALS/UNIT VOLUME CAPACITY FOR RECYCLING MATERIALS.	1 PLAN REVIEW	

TOTAL POINTS FOR ALL CATEGORIES	POINTS FOR ALL CATEGORIES
ACCUMULATE 50-99 POINTS.	ACCUMULATE 100 OR MORE POINTS.

GREEN BUILDING RATING LEVELS	
MEET ALL MANDATORY REQUIREMENTS	
ENTRY LEVEL	ADVANCED LEVEL
ACCUMULATE 50-99 POINTS.	ACCUMULATE 100 OR MORE POINTS.

CITY OF SCOTTSDALE GREEN BUILDING

REVISIONS BY DATE

DATE: 01/22/2023

SCALE:

DRAWN: JDM

SHEET: