

IWUIC CODE SECTION	2024 IWUIC CLASS	PLAN REVIEW	INSPECTIONS
Roof Assembly – Section 504.2	Class 1	Documentation	Inspection
Class A rating ASTM E108 or UL 790	YES	ESR # _____ PG/DTL _____	documentation at combo rough
Space from roof covering (ie: tile) and roof deck: fire-stopped at eave end or 1-layer of 72# mineral cap sheet over all of roof sheathing. ASTM D3909	YES	ESR # _____ PG/DTL _____	documentation at combo rough
Exception 1: Class A roof assembly of brick, masonry or an exposed concrete roof deck.	YES	ESR # _____ PG/DTL _____	documentation at combo rough
Exception 2: Class A roof assembly of ferrous or copper shingles or sheets, metal sheets and shingles, clay or concrete roof tile or slate installed on noncombustible decks or ferrous, copper or metal sheets installed without a roof deck on noncombustible framing .	YES	ESR # _____ PG/DTL _____	documentation at combo rough
Exception 3: Class A roof assemblies min. 16 oz/sq ft copper sheets installed over combustible roof decks .	YES	ESR # _____ PG/DTL _____	documentation at combo rough
Roof Valleys – Section 504.2.1			
valley flashings shall be not less than 0.019 inch (No. 26 galvanized sheet gage) corrosion-resistant metal installed over a minimum 36-inch-wide (914 mm) underlayment consisting of 1-layer of 72-# mineral cap sheet complying with ASTM D3909 running the full length of the valley.	YES	ESR # _____ PG/DTL _____	documentation at combo rough
Protection of Eaves – Section 504.3			
Eaves and soffits shall be protected by ignition-resistant materials or by not less than 1-hour fire-resistance-rated construction, 2-inch lumber, or 1-inch fire-retardant-treated lumber or 3/4-inch fire-retardant-treated plywood, identified for exterior use and meeting the requirements of Section 2303.2 of the IBC	YES	ESR # _____ PG/DTL _____	Field Verify
Fascias are required and shall be protected on the backside by ignition-resistant materials or by materials approved for not less than 1-hour fire-resistance-rated construction or 2- inch lumber .	YES	ESR # _____ PG/DTL _____	Field Verify

Combustible eaves, fascias and soffits shall be enclosed with solid materials with a minimum thickness of 3/4 inch. Exposed rafter tails shall not be permitted unless constructed of heavy timber materials.	NO	ESR # _____ PG/DTL _____	Field Verify
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Gutters and Downspouts – Section 504.4	Class 1	Documentation	Inspection
Noncombustible materials, debris accumulation prohibited in gutters.	YES	ESR # _____ PG/DTL _____	Field Verify
Exterior Walls – Section 504.5 (1-5 options)			
1. 1-Hr fire-resistive construction on exterior side. 2. Approved Noncombustible materials 3. Heavy-Timber or Log wall construction 4. Fire-retardant-treated wood on exterior side. Labeled for exterior use and meet 2303.2 IBC. 5. Ignition-resistant materials complying with 503.2 on exterior side from top of foundation to underside of roof sheathing	YES	ESR # _____ PG/DTL _____	Field Verify per plans
Flashing – Section 504.5.1			
A minimum of 6 inch of metal flashing or noncombustible material installed vertically on exterior wall at ground, decking, and roof intersections.	YES	ESR # _____ PG/DTL _____	documentation at combo rough
Underfloor Enclosure – Section 504.6			
Enclosed to the ground with exterior walls 1. 1-Hr fire-resistive construction on exterior side. 2. Approved Noncombustible materials 3. Heavy-Timber or Log wall construction 4. Fire-retardant-treated wood on exterior side. Labeled for exterior use and meet 2303.2 IBC. 5. Ignition-resistant materials complying with 503.2 on exterior side from top of foundation to underside of roof sheathing	YES	ESR # _____ PG/DTL _____	Field Verify per plans

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Underfloor Enclosure – NA	CLASS 1	Documentation	Inspection
Enclosed to the ground with exterior walls Exception 1: Complete Enclosure not required when 1-hr fire-resistance rated construction Fire-retardant treated wood (labeled for exterior use and meets 2303.2 IBC) Heavy timber construction	NA	ESR # _____ PG/DTL _____	Field Verify per plans
Appendages & Projections (Decks) – Section 504.7			
Unenclosed accessory structures attached to buildings with habitable spaces and projections, such as decks, shall be 1-hr fire-resistance rated. Heavy timber or one of the following: 1. Approved noncombustible construction. 2. Fire-retardant-treated wood identified for exterior use meeting 2303.2 of the IBC. 3. Ignition-resistant materials per 503.2.	YES	ESR # _____ PG/DTL _____	Field Verify per plans
Exception: Coated materials shall not be used as the walking surface of decks.	NA		
Underfloor Areas – Section 504.7.1			
Where the attached structure is located and constructed so that the structure or any portion thereof projects over a descending slope surface greater than 10 percent, the area below the structure shall have underfloor areas enclosed to within 6 inches (152 mm) of the ground, with exterior wall construction in accordance with exterior wall requirements per class.	YES	ESR # _____ PG/DTL _____	Field Verify per plans
Exterior Glazing – Section 504.8			
Exterior windows, window walls, glazed doors, windows within exterior doors, and skylights shall be tempered glass, <i>multilayered glazed panels</i> , glass block or have a fire protection rating of not less than 20 minutes.	YES	ESR # _____ PG/DTL _____	Field Verify per plan

Exterior Doors – Section 504.9			
Exterior doors shall be <i>approved non-combustible</i> construction, solid-core wood not less than 1 3/4 inches thick or have a fire protection rating of not less than 20 minutes. Windows within doors and glazed doors shall be in accordance with Section 504.8 . Exception: Vehicle access doors.	YES	ESR # _____ PG/DTL _____	Field Verify per plans
IWUIC CODE SECTION	2024 IWUIC CLASS	PLAN REVIEW	INSPECTIONS
Vents – Section 504.10	Class 1	Documentation	Inspection
Ventilation openings for enclosed attics, gable ends, ridge ends, under eaves, and cornices, enclosed eave soffit spaces, enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters, underfloor ventilation, foundation and crawl spaces, or any other opening intended to permit ventilation either in a horizontal or vertical surface shall be in accordance with the performance or prescriptive requirements below to resist building ignition from the intrusion of burning embers and flame through ventilation openings.	YES	ESR # _____ PG/DTL _____	Field Verify per plans
Performance Requirements – Section 504.10.1			
Ventilation openings shall be fully covered listed vents, tested in accordance with ASTM E2886 to demonstrate compliance with all the following: 1. There shall be no flaming ignition of the cotton material during the ember intrusion test. 2. There shall be no flaming ignition during the integrity test portion of the fame intrusion test. 3. The maximum temperature of the unexposed side of the vent shall not exceed 662 degrees F.	YES	ESR # _____ PG/DTL _____	Field Verify per plans

Prescriptive Requirements – Section 504.10.2			
Attic ventilation openings, foundation or underfloor vents, or other ventilation openings in vertical or horizontal surfaces and vents through roofs shall not exceed 144 square inches each. Such vents shall be covered with non-combustible corrosion-resistant mesh with openings not to exceed 1/8 inch or shall be designed and approved to prevent flame or ember penetration into the structure.	YES	ESR # _____ PG/DTL _____	Field Verify per plans
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Vent Locations – Section 504.10.	Class 1	Documentation	Inspection
Attic Ventilation openings SHALL NOT be located in soffits, in eave overhangs, between rafters at eaves or in other overhang areas. Gable-end and dormer vents shall be located not less than 10 feet from lot lines. Underfloor ventilation openings shall be located as close to grade as practical. Vents are allowed closer than 10 feet provided they have passed the tests in ASTM E2886.	YES	ESR # _____ PG/DTL _____	
Detached Accessory Structures – Section 504.11			
Located less than 50 ft from a building containing habitable space shall have exterior walls constructed with materials approved for not less than 1-hour fire-resistance rated construction, heavy timber, log wall construction, or constructed with approved non-combustible materials or fire-retardant-treated wood on the exterior side. The fire-retardant-treated wood shall be labeled for exterior use and meet the requirements of Section 2303.2 of the IBC.	YES	ESR # _____ PG/DTL _____	Field Verify per plans

Underfloor Areas – Section 504.11.1			
Where the detached structure is located so that the structure or any portion thereof projects over a descending slope surface greater than 10%, the area below the structure shall have underfloor areas enclosed to within 6 inches of the ground, with exterior wall construction per 504.5 or 505.5; underfloor protection in accordance with 504.6 or 505.6. Exception: The enclosure is not required where the underside of exposed floors and exposed structural columns, beams and supporting walls are protected as required for exterior 1-hour fire-resistance-rated construction or heavy timber construction or fire-retardant-treated wood on the exterior side. The fire-retardant-treated wood shall be labeled for exterior use and meet the requirements of 2303.2 of the IBC.	YES	ESR # _____ PG/DTL _____	Field Verify per plans
IWUIC CODE SECTION	2024 IWUIC CLASS	PLAN REVIEW	INSPECTIONS
Replacement or Repair of Roof Coverings - Section 507.1	Class 1	Documentation	Inspection
The roof covering on buildings or structures in existence prior to the adoption of this code that are replaced or have 25% or more replaced in a 12-month period shall be replaced with a roof covering required for new construction based on the type of ignition-resistant construction specified in accordance with Section 503.	YES	ESR # _____ PG/DTL _____	
Vegetation Management Plan and other Requirements			
See the Fire Department requirements on the city website.			