




















NOTE: Entries to this Plan Review Record that require a field check or inspection of the installation must be coordinated with the inspection phase (R109) of the project.

## BUILDING PLANNING (Chapter 3)

### DESIGN CRITERIA [Table R301.2(1)] Slide 8

Floor live load (Table R301.5) \_\_\_\_\_ psf  
~~Roof live load (Table R301.6) \_\_\_\_\_ psf~~  
 Ground snow load \_\_\_\_\_ psf  
 Ultimate design wind speed \_\_\_\_\_ mph  
 Wind exposure category (R301.2.1.4) \_\_\_\_\_  
 High wind design criteria applicable (R301.2.1.1) \_\_\_\_\_  
 Seismic design category (SDC) [Figure R301.2(2)] \_\_\_\_\_  
 SDC C&D provisions (R301.2.2) \_\_\_\_\_  
 Weathering \_\_\_\_\_  
 Frost line depth \_\_\_\_\_  
 Termite area \_\_\_\_\_  
 Decay area \_\_\_\_\_  
 Winter design temperature \_\_\_\_\_  
 Ice barrier underlayment required \_\_\_\_\_  
 Flood hazards \_\_\_\_\_

\_\_\_\_\_ Parapets and construction (R302.2.2, R302.2.3)  
 \_\_\_\_\_ Two-family dwelling separation (R302.3)  
 \_\_\_\_\_ Dwelling unit penetrations (R302.4)  
 \_\_\_\_\_ Dwelling/garage opening/penetration protection (R302.5)   
 \_\_\_\_\_ Dwelling/garage fire separation (R302.6)   
 \_\_\_\_\_ Under-stair protection (R302.7)   
 \_\_\_\_\_ Wall and ceiling finishes (R302.9)   
 \_\_\_\_\_ Flame spread index (R302.9.1)   
 \_\_\_\_\_ Smoke-developed index (R302.9.2)   
 \_\_\_\_\_ Testing (R302.9.3, R302.9.4)   
 \_\_\_\_\_ Insulation (R302.10)   
 \_\_\_\_\_ Flame spread/smoke-developed (R302.10.1, R302.10.2)   
 \_\_\_\_\_ Cellulose loose-fill and exposed attic insulation (R302.10.3, R302.10.4)   
 \_\_\_\_\_ Testing (R302.10.5)   
 \_\_\_\_\_ Fireblocking (R302.11) Slide 9   
 \_\_\_\_\_ Draftstopping (R302.12)   
 \_\_\_\_\_ Fire protection of floors (R302.13) Data sheet   
 \_\_\_\_\_ Combustible insulation clearance (R302.14) 


### FIRE-RESISTANT CONSTRUCTION (R302)



\_\_\_\_\_ Exterior walls More than 5 feet  
 [R302.1, Tables R302.1(1) and R302.1(2)]  
 \_\_\_\_\_ Townhouse separation (R302.2)  
 \_\_\_\_\_ Continuity and structural independence (R302.2.1, R302.2.4)

### ROOM PLANNING REQUIREMENTS (R303 through R305)

Use	Area (ft <sup>2</sup> )	Width	Ceiling height <sup>†</sup>	Natural light*	Natural ventilation*
Living	70	7'-0"	7'-0"	8% floor area	4% floor area
Dining	70	7'-0"	7'-0"	8% floor area	4% floor area
Kitchen	N.A.	N.A.	7'-0"	8% floor area	4% floor area
Bedroom	70	7'-0"	7'-0"	8% floor area	4% floor area
Bathroom	N.A.	N.A.	6'-8"	3 square feet	1½ square feet

\* See Sections R303.1 & R303.3 for mechanical ventilation and artificial light and R303.4 for required whole-house mechanical ventilation.  
<sup>†</sup> 6'-8" min. at plumbing fixtures and for non-habitable basements.

\_\_\_\_\_ Required heating (R303.9)   
**SANITATION (R306 and R307)**  
 \_\_\_\_\_ Water closet  
 \_\_\_\_\_ Lavatory  
 \_\_\_\_\_ Tub or shower  
 \_\_\_\_\_ Kitchen area with sink  
 \_\_\_\_\_ Sanitary sewer (Chapter 30) Sewer utility  
 \_\_\_\_\_ Private disposal (~~Appendix I~~) Health dept.

**GLAZING (R308)**  
 \_\_\_\_\_ Identification (R308.1)   
 \_\_\_\_\_ Louvered windows or jalousies (R308.2)  
 \_\_\_\_\_ Human impact loads/hazardous locations (R308.3, R308.4)   
 \_\_\_\_\_ Skylights and sloped glazing (R308.6)

## BUILDING PLANNING (cont'd.)

### GARAGES AND CARPORTS (R309)

- \_\_\_\_\_ Floor surface noncombustible; sloped floor (R309.1)
- \_\_\_\_\_ Carport: open two sides; noncombustible floors; sloped floor (R309.2)
- \_\_\_\_\_ Automatic garage door opener (R309.4)
- \_\_\_\_\_ Fire sprinklers (R309.5)

### EMERGENCY ESCAPE AND RESCUE OPENINGS (R310)

- \_\_\_\_\_ Where required (R310.1)
- \_\_\_\_\_ Areas, height, width, operations (R310)
- \_\_\_\_\_ Window wells (R310.2.3)
- \_\_\_\_\_ Under decks and porches (R310.2.4)
- \_\_\_\_\_ Bars, grilles, covers and screens (R310.4)

### MEANS OF EGRESS (R311)

- \_\_\_\_\_ General (R311.1)
- \_\_\_\_\_ Egress door (R311.2)
- \_\_\_\_\_ Landings at exterior doors (R311.3 - R311.3.3)
- \_\_\_\_\_ Vertical egress (R311.4)
- \_\_\_\_\_ Construction and attachment (R311.5)
- \_\_\_\_\_ Hallways (R311.6)
- \_\_\_\_\_ Stairway width, headroom, vertical rise, walk-line (R311.7.1 - R311.7.4)
- \_\_\_\_\_ Stairway treads, risers profiles (R311.7.5 - R311.7.5.4)
- \_\_\_\_\_ Stairway landings and walking surfaces (R311.7.6, R311.7.7)
- \_\_\_\_\_ Handrails required (R311.7.8)
- \_\_\_\_\_ Handrail height, continuity, grip-size (R311.7.8.1 - R311.7.8.4)
- \_\_\_\_\_ Stairway illumination (R303.7, R311.7.9)
- \_\_\_\_\_ Special stairways (R311.7.10)
- \_\_\_\_\_ Ramp slope, landings, handrails (R311.8)

### GUARDS AND WINDOW PROTECTION (R312)

- \_\_\_\_\_ Required for open-sided surfaces, stairs, ramps and landings > 30" above floor/grade (R312.1.1)
- \_\_\_\_\_ Height - 36" (R312.1.2)
- \_\_\_\_\_ Opening limitations (R312.1.3)
- \_\_\_\_\_ Window fall protection (R312.2)

### AUTOMATIC FIRE SPRINKLER SYSTEMS (R313)

- \_\_\_\_\_ Townhouses (R313.1)
- \_\_\_\_\_ One- and two-family dwellings (R313.2)

### SMOKE ALARMS (R314)

- \_\_\_\_\_ Referenced standards (R314.1)
- \_\_\_\_\_ Location and interconnection (R314.3, R314.4)
- \_\_\_\_\_ Power source (R314.6)

### CARBON MONOXIDE ALARMS (R315)

- \_\_\_\_\_ New construction (R315.1, R315.2)
- \_\_\_\_\_ Existing construction (R315.2.2)
- \_\_\_\_\_ Referenced standard (R315.6)

### FOAM PLASTIC (R302.8, R316)

- \_\_\_\_\_ Labeling (R316.2)
- \_\_\_\_\_ Surface burning, thermal barrier, specific approval (R316.3 - R316.8)

### DECAY AND TERMITE PROTECTION (R317 and R318)

- \_\_\_\_\_ Protection required (Table R301.2(1), R317.1, R318.1)
- \_\_\_\_\_ Quality mark (R317.2 and R318.1.1)

### SITE ADDRESS (R319)

- \_\_\_\_\_ Address numbers (R319.1)

### ACCESSIBILITY (R320)

- \_\_\_\_\_ Type B dwelling units applicable (R320.1)

### ELEVATORS/PLATFORM LIFTS (R321)

- \_\_\_\_\_ Referenced standards (R321.1 - R321.3)

### FLOOD-RESISTANT CONSTRUCTION (R322)

- \_\_\_\_\_ General (R322.1)
- \_\_\_\_\_ Hazard area and requirements (R301.2.4, R309.3, R322.2, R322.3)
- \_\_\_\_\_ Design professional (R322.3.6)

### STORM SHELTERS (R323)

- \_\_\_\_\_ General/referenced standard (R323.1)

### SOLAR ENERGY SYSTEMS (R324) **Another class**

- \_\_\_\_\_ System, installation, access (R324.2 - R324.7)

### MEZZANINES (R325)


- \_\_\_\_\_ Area, egress, openness (R325.2 - R325.5)

### SWIMMING POOLS, SPAS AND HOT TUBS (R326)

- \_\_\_\_\_ ISPSC (R326.1)

## FOUNDATIONS (Chapter 4)

### MATERIALS (R402)

- \_\_\_\_\_ Wood foundations (R402.1)
- \_\_\_\_\_ Concrete, compressive strength (R402.2, R402.3) 



### FOOTINGS (R403)

- \_\_\_\_\_ Soil bearing value (R401.4, R403.1)
- \_\_\_\_\_ Footing width [Tables R403.1(1) - R403.1(3)]
- \_\_\_\_\_ Footing edge thickness; footing projection = 2" minimum, but ≤ footing thickness (R403.1.1)
- \_\_\_\_\_ Footings in SDC and D (R403.1.2 and R403.1.6.1)
- \_\_\_\_\_ Depth below (outside) grade = 12" minimum; but below frost line (R403.1.4, R403.1.4.1)
- \_\_\_\_\_ Sill plate bolting in concrete/masonry = 1/2" diameter bolts, within 12" but not less than 7 bolt diameters from ends, 7" embedment (R403.1.6)
- \_\_\_\_\_ Footings adjacent to slopes (R403.1.7)
- \_\_\_\_\_ Frost-protected shallow foundations (R403.3)
- \_\_\_\_\_ Footings for precast concrete foundations (R403.4)

### FOUNDATION/RETAINING WALLS (R404 - R406)


- \_\_\_\_\_ Masonry foundation walls (R404.1.2)
- \_\_\_\_\_ Wall height, unbalanced backfill, nominal thickness [Tables R404.1.1(1) - R404.1.1(4), R404.1.5.1]
- \_\_\_\_\_ Reinforcement size and spacing [Tables R404.1.1(2) - R404.1.1(4)]
- \_\_\_\_\_ Concrete foundation walls (R404.1.3)
- \_\_\_\_\_ Wall height, unbalanced backfill, nominal thickness [Tables R404.1.2(1) - R404.1.2(8), R404.1.5.2]

\_\_\_\_\_ Horizontal and vertical reinforcement size and spacing [Tables R404.1.2(1) - R404.1.2(8), R404.1.3.2, R404.1.3.3.7]

- \_\_\_\_\_ Stay-in-place forms (R404.1.3.3.6.1)
- \_\_\_\_\_ SDC D provisions (R404.1.4)
- \_\_\_\_\_ Height above finished grade (R404.1.6) 
- \_\_\_\_\_ Sill plate size (R404.3) 
- \_\_\_\_\_ Precast concrete foundation walls (R404.5)
- \_\_\_\_\_ Drains required if habitable or usable spaces are below grade\* (R405)
- \_\_\_\_\_ Soil class (Table R405.1)
- \_\_\_\_\_ Dampproofing if basements are below grade\* (R406.1)
- \_\_\_\_\_ Waterproofing if high water table\* (R406.2)

\* If uninhabitable, see Under-Floor Space (R408)

### COLUMNS (R407)

- \_\_\_\_\_ Protection from decay or corrosion (R407.1 and R407.2)
- \_\_\_\_\_ Structural requirements (R407.3) 
- \_\_\_\_\_ Anchorage (R407.3)
- \_\_\_\_\_ Wood columns (minimum 4" square) (R407.3)
- \_\_\_\_\_ Steel columns (minimum 3" diameter, Schedule 40 pipe) (R407.3)

### UNDER-FLOOR SPACE (R408)

- \_\_\_\_\_ Ventilation (R408.1 and R408.2)
- \_\_\_\_\_ Unvented crawl space (R408.3)
- \_\_\_\_\_ Access (R408.4)
- \_\_\_\_\_ Removal of debris (R408.5)
- \_\_\_\_\_ Finished grade (R408.6)
- \_\_\_\_\_ Flood resistance (R408.7)

## FLOORS (Chapter 5)

### WOOD JOISTS AND GIRDERS (R502)

- \_\_\_\_\_ Species and grade (R502.1)
- \_\_\_\_\_ Joists—Sleeping areas, LL = 30 psf  
[Table R502.3.1(1)]
- \_\_\_\_\_ Joists—Nonsleeping areas, LL = 40 psf  
[Table R502.3.1(2)]
- \_\_\_\_\_ Cantilevered joists  
[Tables R502.3.3(1) and R502.3.3(2)]
- \_\_\_\_\_ Girder and header spans  
[Tables R602.7(1) - R602.7(3)]
- \_\_\_\_\_ Joists under bearing partitions (R502.4)
- \_\_\_\_\_ Bearing (1.5" minimum on wood or metal; 3" on masonry or concrete) and lapped joists (3") (R502.6, R502.6.1)
- \_\_\_\_\_ Lateral restraint and bridging (R502.7, R502.7.1)
- \_\_\_\_\_ Drilling and notching (R502.8)
- \_\_\_\_\_ Fastening (R502.9)
- \_\_\_\_\_ Framing of openings (R502.10)
- \_\_\_\_\_ Wood trusses (R502.11)
- \_\_\_\_\_ Draftstopping (R502.12)

### LUMBER FLOOR SHEATHING (R503.1)

- \_\_\_\_\_ Allowable span (Table R503.1)
- \_\_\_\_\_ End joints (R503.1.1)

### WOOD STRUCTURAL PANEL SHEATHING (R503.2)

- \_\_\_\_\_ Grade (R503.2.1)
- \_\_\_\_\_ Thickness (R503.2.1)
- \_\_\_\_\_ Allowable spans  
[Tables R503.2.1.1(1) and R503.2.1.1(2)]
- \_\_\_\_\_ Installation [Table 602.3(1)]

### PARTICLEBOARD UNDERLAYMENT (R503.3)

- \_\_\_\_\_ Grade (R503.3.1)
- \_\_\_\_\_ Thickness (R503.3.2)
- \_\_\_\_\_ Installation [Table R602.3(1)]


### TREATED-WOOD FLOORS (ON GROUND) (R504)

- \_\_\_\_\_ Base course: 4" thick with maximum  $\frac{3}{4}$ " gravel or  $\frac{1}{2}$ " crushed stone (R504.2.1)
- \_\_\_\_\_ Moisture barrier: placed over base course (R504.2.2)
- \_\_\_\_\_ Materials (R504.3)

### STEEL FLOOR FRAMING (R505)

- \_\_\_\_\_ Cold-formed steel; applicability limits; in-line framing (R505.1)
- \_\_\_\_\_ Structural framing (R505.2)
- \_\_\_\_\_ Material (R505.2.1)
- \_\_\_\_\_ Corrosion protection (R505.2.2)
- \_\_\_\_\_ Identification (R505.2.4)
- \_\_\_\_\_ Fastening (R505.2.5)
- \_\_\_\_\_ Floor construction (R505.3)

### CONCRETE FLOORS (ON GROUND) (R506)

- \_\_\_\_\_ Thickness:  $3\frac{1}{2}$ " minimum; Concrete strength (R506.1)
- \_\_\_\_\_ Support: prepared subgrade; maximum earth fill = 8"; maximum sand or gravel fill = 24" (R506.2.1)
- \_\_\_\_\_ Base course: 4" graded with 2" maximum aggregate (R506.2.2)
- \_\_\_\_\_ Vapor retarder (R506.2.3)
- \_\_\_\_\_ Reinforcement support (R506.2.4) 

### EXTERIOR DECKS (R507)

- \_\_\_\_\_ Support, attachment (R507.1 - R507.2.4)
- \_\_\_\_\_ Plastic composite materials (R507.3)
- \_\_\_\_\_ Decking/deck joists (R507.4, R507.5)
- \_\_\_\_\_ Deck beams (R507.6)
- \_\_\_\_\_ Deck posts, connections, footings (R507.7.1, R507.8)

## WALL CONSTRUCTION (Chapter 6)

### WOOD CONSTRUCTION (R602)

- \_\_\_\_\_ Construction  
    [Figures R602.3(1) and R602.3(2)]
  - \_\_\_\_\_ Stud grade (R602.2)
  - \_\_\_\_\_ Design/construction (R602.3)
  - \_\_\_\_\_ Stud spacing [R602.3.1, Table R602.3(5)]
  - \_\_\_\_\_ Interior load-bearing walls (R602.4)
  - \_\_\_\_\_ Interior nonbearing walls: 2" × 3" at 24" o.c.  
    or 2" × 4" flat at 16" o.c. (R602.5)
  - \_\_\_\_\_ Drilling and notching—studs (R602.6)
  - \_\_\_\_\_ Drilling and notching—top plate (R602.6.1)
  - \_\_\_\_\_ Headers [Tables R602.7(1) - R602.7(3) and  
    Figure R602.7.2]
  - \_\_\_\_\_ Fireblocking (R602.8, R302.11)
  - \_\_\_\_\_ Cripple walls (R602.9)
  - \_\_\_\_\_ Wall bracing, lines, panels  
    (R602.10.1, R602.10.2)
  - \_\_\_\_\_ Required length of bracing, method **Calcs**  
    [R602.10.3, R602.10.4, Tables  
    R602.10.3(1) and R602.10.3(3)]
  - \_\_\_\_\_ Minimum length, connections, support, joints,  
    cripple walls (R602.10.5 - R602.10.11)
  - \_\_\_\_\_ Wall anchorage (SDC C and D) (R602.11)
  - \_\_\_\_\_ Simplified wall bracing (R602.12)
- ### STEEL WALL FRAMING (R603)
- \_\_\_\_\_ General (R603.1)
  - \_\_\_\_\_ Structural framing (R603.2)

- \_\_\_\_\_ Material (R603.2.1)
- \_\_\_\_\_ Corrosion protection (R603.2.2)
- \_\_\_\_\_ Identification (R603.2.4)
- \_\_\_\_\_ Fastening (R603.2.5)
- \_\_\_\_\_ Wall construction (R603.3 - R603.5)
- \_\_\_\_\_ Headers (R603.6)
- \_\_\_\_\_ Studs, tracks and structural sheathing  
    (R603.7 - R603.9)

### SHEATHING (R604 and R605)

- \_\_\_\_\_ Wood structural panels (R604)
- \_\_\_\_\_ Particleboard (R605)

### MASONRY CONSTRUCTION (R606 - R610)

- \_\_\_\_\_ General design (R606)
- \_\_\_\_\_ Seismic requirements (R606.12)
- \_\_\_\_\_ Glass unit masonry (R607)
- \_\_\_\_\_ Exterior concrete wall construction (R608)
- \_\_\_\_\_ Exterior windows/doors (R609)
- \_\_\_\_\_ Glass unit masonry (R610)

### STRUCTURAL INSULATED PANEL WALL CONSTRUCTION (R610)

- \_\_\_\_\_ Applicability (R610.2)
- \_\_\_\_\_ Materials (R610.3)
- \_\_\_\_\_ Wall panels, construction details  
    (R610.4 - R610.10)


## WALL COVERING (Chapter 7)

### INTERIOR WALL COVERING (R702)

- \_\_\_\_\_ Plaster material (R702.2)
- \_\_\_\_\_ Plaster support (R702.2.3)
- \_\_\_\_\_ Gypsum board materials (R702.3.1)
- \_\_\_\_\_ Gypsum board support, application and fastening (R702.3.2 - R702.3.7)
- \_\_\_\_\_ Ceramic tile (R702.4)
- \_\_\_\_\_ Other finishes (R702.5 and R702.6)
- \_\_\_\_\_ Vapor retarders (R702.7)

### EXTERIOR WALL COVERING (R703) **Another class**

- \_\_\_\_\_ Water-resistive barrier (R703.2)
- \_\_\_\_\_ Attachment and minimum thickness [Table R703.3(1)]
- \_\_\_\_\_ Wood siding (R703.5)

- \_\_\_\_\_ Wood shakes and shingles (R703.6)
- \_\_\_\_\_ Exterior plaster (R703.7)
- \_\_\_\_\_ Stone & masonry veneer (R703.8 & Figure R703.8); Steel angle lintels-4" minimum bearing each end (R703.8.3)
- \_\_\_\_\_ Veneer ties: #9 U.S. gage wire or #22 U.S. gage by  $\frac{7}{8}$ " corrugated metal; horizontal and vertical spacing; 2.67 square feet maximum area supported (wind > 30 psf and SDC C or D, maximum area = 2 square feet) (R703.8.4.1)
- \_\_\_\_\_ Flashing (R703.4 and R703.8.5)
- \_\_\_\_\_ Exterior insulation and finish systems (R703.9)
- \_\_\_\_\_ Fiber cement siding (R703.10)
- \_\_\_\_\_ Vinyl siding (R703.11) 
- \_\_\_\_\_ Other sidings (R703.12' - R703.17)

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## ROOF-CEILING CONSTRUCTION (Chapter 8)

### WOOD ROOF FRAMING (R802)

- \_\_\_\_\_ Fire-retardant-treated wood (R802.1.5)
- \_\_\_\_\_ Framing details (R802.3)
- \_\_\_\_\_ Rafter ties (R802.3.1)
- \_\_\_\_\_ Collar ties (4' o.c., in upper third of attic) (R802.3.1)
- \_\_\_\_\_ Purlins (2" x 4" at 4' o.c. minimum) (Figure R802.5.1, R802.5.1)
- \_\_\_\_\_ Bearing (R802.6)
- \_\_\_\_\_ Cutting and notching (R802.7)
- \_\_\_\_\_ Engineered wood products (R802.7.2)
- \_\_\_\_\_ Lateral support and bridging (R802.8)
- \_\_\_\_\_ Framing of openings (R802.9)
- \_\_\_\_\_ Wood trusses (R802.10)
- \_\_\_\_\_ Roof tie-down (R802.11)

### CEILING JOISTS [Tables R802.4(1), R802.4(2)]

- \_\_\_\_\_ Without attic storage, LL = 10psf
- \_\_\_\_\_ With attic storage LL = 20psf
- \_\_\_\_\_ Spacing

- \_\_\_\_\_ Species and grade

- \_\_\_\_\_ Span

- \_\_\_\_\_ Size

### RAFTERS [Tables R802.5.1(1) - R802.5.1(8)]

- \_\_\_\_\_ Ground snow load/LL = 20 psf

- \_\_\_\_\_ Controlling design (LL or snow)

- \_\_\_\_\_ Ceiling not attached/ceiling attached

- \_\_\_\_\_ Spacing

- \_\_\_\_\_ Species and grade

- \_\_\_\_\_ Span

- \_\_\_\_\_ Size

- \_\_\_\_\_  $H_c/H_R$ ; Adjustment factor

### ROOF SHEATHING (R803.2)

- \_\_\_\_\_ Grade

- \_\_\_\_\_ Thickness

- \_\_\_\_\_ FRTW allowable stresses/grading

- \_\_\_\_\_ Allowable spans [Table R503.2.1.1(1)]

- \_\_\_\_\_ Installation (R803.2.3)



## ROOF-CEILING CONSTRUCTION (cont'd.)

### STEEL ROOF FRAMING (R804)

- \_\_\_\_\_ General (R804.1)
- \_\_\_\_\_ Structural framing (R804.2)
- \_\_\_\_\_ Material (R804.2.1)
- \_\_\_\_\_ Corrosion protection (R804.2.2)
- \_\_\_\_\_ Identification (R804.2.3)
- \_\_\_\_\_ Fastening (R804.2.5)

\_\_\_\_\_ Roof construction (R804.3)

\_\_\_\_\_ Roof tie-down (R804.3.8)

### ROOF VENTILATION (R806)

\_\_\_\_\_ Ventilation requirements (R806.1 - R806.5)

### ATTIC ACCESS (R807)

\_\_\_\_\_ Access requirements (807.1)

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## ROOF ASSEMBLIES (Chapter 9) Another class

### ROOF CLASSIFICATION (R902)

\_\_\_\_\_ Roof covering materials (R902.1)

### WEATHER PROTECTION (R903)

- \_\_\_\_\_ Flashing (R903.2)
- \_\_\_\_\_ Coping (R903.3)
- \_\_\_\_\_ Roof drainage (R903.4)

\_\_\_\_\_ Metal roof panels (R905.10)

\_\_\_\_\_ Modified bitumen roofing (R905.11)

\_\_\_\_\_ Thermoset single-ply roofing (R905.12)

\_\_\_\_\_ Thermoplastic single-ply roofing (R905.13)

\_\_\_\_\_ Sprayed polyurethane foam roofing (R905.14)

\_\_\_\_\_ Liquid-applied roofing (R905.15)

\_\_\_\_\_ Photovoltaic shingles (R905.16)

### MATERIALS (R904)

\_\_\_\_\_ Compatibility; specifications; physical characteristics; identification (R904.2 - R904.4)

### ROOF INSULATION (R906)

\_\_\_\_\_ General (R906.1)

### REQUIREMENTS FOR ROOF COVERINGS (R905)

- \_\_\_\_\_ Underlayment (R905.1.1, R905.1.2)
- \_\_\_\_\_ Asphalt shingles (R905.2)
- \_\_\_\_\_ Clay and concrete tile (R905.3)
- \_\_\_\_\_ Metal roof shingles (R905.4)
- \_\_\_\_\_ Mineral-surfaced roll roofing (R905.5)
- \_\_\_\_\_ Slate shingles (R905.6)
- \_\_\_\_\_ Wood shingles (R905.7)
- \_\_\_\_\_ Wood shakes (R905.8)
- \_\_\_\_\_ Built-up roofs (R905.9)

### ROOFTOP - MOUNTED PHOTOVOLTAIC SYSTEMS (R907)

\_\_\_\_\_ Materials and installation (R907.1 - R907.5)

### REROOFING (R908)

\_\_\_\_\_ Materials and methods (R908.1)

\_\_\_\_\_ Structural support (R908.2)

\_\_\_\_\_ Replacement/re-covering (R908.3, R908.4)

### ROOFTOP - MOUNTED PHOTOVOLTAIC PANEL SYSTEMS (R909)

\_\_\_\_\_ Materials and installation (R909.1 - R909.3)

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## CHIMNEYS AND FIREPLACES (Chapter 10)

### MASONRY FIREPLACES (R1001)

- \_\_\_\_\_ Construction  
(Figure R1001.1 and Table R1001.1)
- \_\_\_\_\_ SDC D reinforcing/anchorage  
(R1001.3 and R1001.4)
- \_\_\_\_\_ Firebox walls and dimensions  
(R1001.5 and R1001.6)
- \_\_\_\_\_ Steel fireplace units (R1001.5.1)
- \_\_\_\_\_ Lintel (noncombustible) (R1001.7)

\_\_\_\_\_ Hearth extension (R1001.9, R1001.10)

\_\_\_\_\_ Fireplace clearance (R1001.11)

\_\_\_\_\_ Fireblocking (R1001.12)

### MASONRY CHIMNEYS (R1003)

\_\_\_\_\_ Construction (Table R1001.1, R1003.2, R1003.3, and Figure R1001.1)

\_\_\_\_\_ Corbeling (R1003.5)

## CHIMNEYS AND FIREPLACES (cont'd.)

_____ Changes in dimension ( <i>R1003.6</i> )	_____ Chimney clearance ( <i>R1003.18</i> )
_____ Additional load ( <i>R1003.8</i> )	_____ Fireblocking ( <i>R1003.19</i> )
_____ Termination ( <i>R1003.9</i> )	_____ Chimney crickets ( <i>R1003.20</i> )
_____ Spark arrestors ( <i>R1003.9.2</i> )	FACTORY-BUILT FIREPLACES ( <i>R1004</i> )
_____ Wall thickness; $\geq 4"$ ( <i>R1003.10</i> )	_____ Listed and labeled ( <i>R1004.1</i> )
_____ Flue lining - material/installation ( <i>R1003.11 and R1003.12</i> )	_____ Installation ( <i>R1004.2 - R1004.5</i> )
_____ Multiple flues ( <i>R1003.13</i> )	FACTORY-BUILT CHIMNEYS ( <i>R1005</i> )
_____ Flue area (appliance) ( <i>R1003.14</i> )	_____ Listed and labeled ( <i>R1005.1</i> )
_____ Flue area (masonry fireplace) ( <i>R1003.15</i> )	_____ Installation ( <i>R1005.3 and R1005.4</i> )
_____ Inlet ( <i>R1003.16</i> )	EXTERIOR AIR SUPPLY ( <i>R1006</i> )
_____ Cleanout opening ( <i>R1003.17</i> )	_____ Intake size ( <i>R1006.2, R1006.4</i> )

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## ENERGY EFFICIENCY (Chapter 11) **Another class**

_____ Compliance; information ( <i>N1101.5, N1101.13</i> )	_____ Electrical ( <i>N1104</i> )
_____ Climate zone ( <i>Table N1101.7</i> )	_____ Simulated performance ( <i>N1105</i> )
_____ Building thermal envelope ( <i>N1102</i> )	_____ ERI compliance alternative ( <i>N1106</i> )
_____ Systems ( <i>N1103</i> )	_____ Existing buildings ( <i>N1107 - N1111</i> )

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## MECHANICAL (Chapters 12-23) **Another class**

_____ Appliance labeling ( <i>M1302, M1303</i> )	_____ Chimney and vent location and terminations ( <i>Chapters 10 and 18</i> )
_____ Appliance access ( <i>M1305, M1401</i> )	_____ Special equipment ( <i>Chapter 19</i> )
_____ Appliance installation ( <i>M1307</i> )	_____ Boilers/water heaters ( <i>Chapter 20</i> )
_____ Heating and cooling equipment; load calculations ( <i>Chapter 14</i> )	_____ Hydronic piping ( <i>Chapter 21</i> )
_____ Exhaust systems ( <i>Chapter 15</i> )	_____ Special piping and storage systems ( <i>Chapter 22</i> )
_____ Duct systems ( <i>Chapter 16</i> )	_____ Solar thermal energy systems ( <i>Chapter 23</i> )
_____ Combustion air ( <i>Chapter 17</i> )	_____ Penetrations of fire-resistance rated assemblies ( <i>R302.4, R302.5</i> )

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## FUEL GAS (Chapter 24) **Another class**

_____ Application ( <i>G2401.1</i> )	_____ Clearances ( <i>G2409</i> )
_____ General regulations ( <i>G2404</i> )	_____ Electrical and electrical bonding ( <i>G2410, G2411</i> )
_____ Appliance location ( <i>G2406</i> )	_____ Pipe sizing ( <i>G2413</i> )
_____ Air requirements ( <i>G2407</i> )	_____ Piping materials ( <i>G2414</i> )
_____ Installation ( <i>G2408</i> )	

## FUEL GAS (cont'd)

_____ Piping installation ( <i>G2415 and G2419</i> )	_____ Venting ( <i>G2425 - G2429</i> )
_____ Piping support ( <i>G2418 and G2424</i> )	_____ Misc appliances ( <i>G2423, G2430 - G2454</i> )
_____ Valves, controls, connections ( <i>G2420, G2421 and G2422</i> )	

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## PLUMBING (Chapters 25-33) **Another class**

_____ Water service location and depth ( <i>P2603, P2604</i> )	_____ Freezing protection ( <i>P2904.2.3</i> )
_____ Sanitary and storm sewer location and depth ( <i>P2603, P2604</i> )	_____ Sprinkler coverage ( <i>P2904.2.4</i> )
_____ Piping support ( <i>Table P2605.1</i> )	_____ Piping materials ( <i>P2904.3</i> )
_____ Listed plastic materials ( <i>P2609</i> )	_____ Flow rates ( <i>P2904.4.1, P2904.4.2</i> )
_____ Plumbing fixtures ( <i>Chapter 27</i> )	_____ Water supply capacity ( <i>P2904.5.2</i> )
_____ Water heater size and location ( <i>Chapter 28</i> )	_____ Pipe sizing ( <i>P2904.6</i> )
_____ Water supply and distribution system-design and calculations ( <i>Chapter 29</i> )	_____ Drain, waste and vent pipe sizing and riser diagram ( <i>P3004, P3005, Chapter 31</i> )
_____ Dwelling unit fire sprinkler systems ( <i>P2904</i> )	_____ Sumps and ejectors ( <i>P3007</i> )
_____ NFPA 13D system ( <i>P2904.1</i> )	_____ Backwater valves ( <i>P3008</i> )
_____ Temperature rating ( <i>P2904.2.1, P2904.2.2</i> )	_____ Fixture traps ( <i>P3201</i> )
	_____ Storm drainage ( <i>Chapter 33</i> )
	_____ Penetrations of fire-resistance rated assem- blies ( <i>R302.4, R302.5</i> )

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## ELECTRICAL (Chapters 34-43) **Another class**

_____ Penetrations of fire-resistance rated assem- blies ( <i>E3402.2</i> )	_____ Wiring methods ( <i>Chapter 38</i> )
_____ Listed and labeled materials ( <i>E3403</i> )	_____ Required lighting and receptacle outlets ( <i>E3901, E3903</i> )
_____ Service equipment and location ( <i>E3405, E3601, E3606</i> )	_____ Ground-fault and arc-fault circuit-interrupter protection ( <i>E3902</i> )
_____ Service size and load calculations ( <i>E3602</i> )	_____ Devices and lighting fixtures ( <i>Chapter 40</i> )
_____ Available fault current ( <i>E3606</i> )	_____ Appliance installation ( <i>Chapter 41</i> )
_____ System grounding ( <i>E3607</i> )	_____ Swimming pools ( <i>Chapter 42</i> )
_____ Required branch circuits ( <i>E3703</i> )	_____ Class 2 remote-control, signaling and power- limited circuits ( <i>Chapter 43</i> )
_____ Feeder requirements and load calculations ( <i>E3704</i> )	

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## MANUFACTURED HOUSING USED AS DWELLINGS (Appendix E) **N/A**

_____ Provisions adopted ( <i>R102.5</i> )	_____ Compliance with Appendix E verified
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**PASSIVE RADON GAS CONTROLS (Appendix F)**

\_\_\_\_\_ Provisions adopted (*R102.5*)

\_\_\_\_\_ Compliance with Appendix F verified

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**PATIO COVERS (Appendix H) N/A**

\_\_\_\_\_ Provisions adopted (*R102.5*)

\_\_\_\_\_ Compliance with Appendix H verified

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**PRIVATE SEWAGE DISPOSAL (Appendix I) Health dept review**

\_\_\_\_\_ Provisions adopted (*R102.5*)

\_\_\_\_\_ Compliance with Appendix I verified

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**EXISTING BUILDINGS AND STRUCTURES (Appendix J) N/A**

\_\_\_\_\_ Provisions adopted (*R102.5*)

\_\_\_\_\_ Compliance with Appendix J verified

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**SOUND TRANSMISSION (Appendix K) N/A**

\_\_\_\_\_ Provisions adopted (*R102.5*)

\_\_\_\_\_ Compliance with Appendix K verified

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**HOME DAY CARE—R-3 OCCUPANCY (Appendix M) N/A**

\_\_\_\_\_ Provisions adopted (*R102.5*)

\_\_\_\_\_ Compliance with Appendix M verified

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**AUTOMATIC VEHICULAR GATES (Appendix O) N/A**

\_\_\_\_\_ Provisions adopted (*R102.5*)

\_\_\_\_\_ Compliance with Appendix O verified

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**SOLAR-READY PROVISIONS (Appendix U) N/A**

\_\_\_\_\_ Provisions adopted (*R102.5*)

\_\_\_\_\_ Compliance with Appendix U verified

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**NOTES**