

Inspection Checklist For Typical One- and Two-Family Dwellings		
320.09(9)(d)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Permit card posted
Zoning (321.33)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Proper setbacks (flood plain)
321.125	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Erosion and Sediment Control practices in place
FOOTING INSPECTION		
321.16	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	48" Frost depth including at basement walkouts
321.12 & 321.33	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Proper planned sill elevation for flood plain zoning and drainage
321.14(2)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Soil - no organics, uncompacted fill, water, frost
321.16 & ACI 318 5.12	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	(shall be insulated if cold weather) and verify frost depth likely at site
321.17	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Groundwater/clay: tiles with bleeders 8' o.c. (also requires 4" base course under slab and damproofing of block foundations)
321.15(2)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Forms or adequate soil stiffness (normally will form footings if tiles or basement floor base course required)
321.15(2)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Form or trench sizes: - width: 8" plus foundation wall width - depth: 8" except fireplace and chimney footings to be 12" - columns: 12" x 24" x 24" (can include slab thickness) - footings for basement center bearing walls
ACI 318 - 15.9.2	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Rebar per plan or as needed to bridge problem spots
321.02(3)(e) & ACI 530-530.1	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Protected from freezing during cure
321.125	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Silt fence, straw bales, or non-channel matting to protect downslope perimeter; 12" thick (3" to 6" diam. clean stone) tracking pad on all access drives (50 ft. length or to the foundation) unless existing driveway is in place; soil stockpiles protected by proper erosion control methods; waterbodies and drainageways protected from sediment discharge; no tracking onto street; off-site inlet protection; re-check as needed for repair and maintenance on future inspections.

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FOUNDATION INSPECTION		
321.15(2)(a)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Footing has minimum 4" each side of foundation wall and 8" min. depth
321.18	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Proper foundation thickness, and reinforcement per code tables
321.18(3)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Max unbalanced fill height for unreinforced HCB supporting WF: 8" block – 4' in nongranular; 5' in granular; 10" block - 6' in nongranular; 6' in granular
321.15(2)(a)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Stepped foundation lintels or reinforcement
321.18(3)(b)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Rebar or other reinforcement per plan
321.26(3)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Type M or S mortar
321.26(12)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	1/2" maximum mortar joint
321.26(9)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Beam to bear on: 8" height solid of solid concrete (or steel plate)
321.17(3)(d)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Required tiles: gravel bed of 2", cover of 12"
321.18(3)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Block dampproofed
322.32(6) & Table 322.31-1	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Foundation insulation per energy software or prescriptive table including frost wall under basement walkouts
321.07(2)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	14" x 24" access
321.02(3)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Protected from freezing during cure
321.26(1)		
321.18(1)(c) & (d)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Walls braced or floor system in prior to backfill
321.16, 321.12 & 321.10	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Proper elevation for frost depth, zoning, drainage, and protection of wood from decay
Fireplace 321.29(3)		- See Heating Checklist
Basement Floor Inspection		
321.17(3)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Bleeders 8' o.c. with tar paper over interior joints
321.17 & 321.20(2)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	4" clean base course if clay soil or tiles required
382.36(8)(a)2.	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Storm crock lip to be 1" above floor
321.20	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Minimum 3" concrete floor thickness
321.203(1) & (2)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Minimum 4" garage floors on 4" base course; floor slopes to drain, toward overhead door, or to an interior floor drain that complies with SPS 382
321.16	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Ground to be free of frost

Permanent Wood Foundation (PWF) Excavation Inspection		Permanent Wood Foundation Design Specification Manual 2007 Edition American Wood Council - ANSI/AWC PWF-2007
3.2	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	<u>Design Properties of Soil:</u> Determine design properties of soil: Good to Medium Drainage, Poor Drainage, Poor to Unsatisfactory
2.5 & 4.1.2	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	<u>Aggregate for Footings and Fill:</u> Washed gravel: free of organics, 4in. clear granular (3/16" - 3/4") Crushed Stone: washed, no more than 10% fines (material that passes a 3/16 in. sieve), max size 3/4 inch Sand: coarse; min 1/16 in.; free of organics, clayey or silty soils
4.1.4	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	<u>Sump:</u> Provide sump in soils unless classified as GW, GP, SW, SP, or GM. Sump shall extend 24 in. below the top of granular drainage layer.
5.5.2 & 5.5.3	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	<u>Composite Footings:</u> Per design specifications prescribed in document Granular footing width 2 x footing plate width, and thickness 3/4 x footing plate width (2 x 8 or 2 x 10 typical [for 7' backfill]. If interior bearing wall, then same rules apply. [2" x 6" minimum footing plate])
5.5.1.1	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Footing plate at least at frost depth; or if Group 1 soil or positively drained then bottom of granular fill
5.5.1, 5.5.2 & 5.5.3	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Column footings as for conventional construction or engineered wood and gravel, per design calculations prescribed in document
4.1.2 & 5.4.5.5.1	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>	<u>Anchorage of Foundation Wall and Footing:</u> If concrete footer used, place on 4" granular that is positively drained or provide bleeders at 6' O.C. For basements: anchored to basement floor slab by spikes and designed per Chapter 11 NDS. For crawl spaces: anchored to concrete pad on each side by spikes and designed per Chapter 11 NDS
1.3 (Preserv. Treated Wood) & 2.3.3	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	All wood within 8" of grade treated to "FDN" standards and so stamped in accordance with AWP A U1. Treated field cuts in accordance w/AWPA M4.
2.4.1 & 321.10(5)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Fasteners and connectors used in preservative treated wood shall be Type 304 or 316 stainless steel, or hot dipped galvanized zinc coated steel fasteners where excepted.
5.2.1	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Framing connections properly designed in accordance with the NDS.
5.5.2 & 5.5.3	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Properly sized footing plate per design calculation set in the standard (2 x 8 or 2 x 10 for 7" backfill and 2 x 8 studs)
5.2.3 & 5.4.4	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	<u>Design of Lateral Connections:</u> Footing plate secured to wall plate (10d 12" O.C.) Design in accordance with the NDS
5.5.2	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Provide support frame under stepped footing
5.4.1	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	<u>Design of Studs:</u> Properly sized studs Per design calculations in the standard (2" x 8" usually for 7" backfill)
5.4.3	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Joints in footing plate and top plate staggered at least one stud space from joints in the corresponding plate
5.5.3	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Adequate bearing stress (1 1/2" - 2") bottom of studs against floor slab
5.4.5.5.1	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Studs secured to plates: Basement Wall anchorage to resist wind uplift (2 - 16d at bottom plate; 4 - 20d or U framing anchor at top plate)
5.2.3 & 5.4.3	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Top plates secured together (10d face nailed 2" o.c.)
5.2.3 & 5.4.3	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Joists secured to top plate (common joists with U framing anchor; header joist with 8d 8" o.c.; end joist with 8d 4" o.c.)
5.6.2	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	On end walls, provide full depth joist blocking (24" o.c. for 7' backfill) between top plate and parallel joist (secured with anchor or 8d 4" o.c. to top plate, 9 - 6d to floor sheathing)
5.4.2	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Properly sized plywood sheathing (19/32" 40/20 for 12" o.c., 23/32" 48/24 for 16" o.c. and 7' backfill)
5.5.2	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Properly secured plywood per spec. (8d 6" o.c. on edges, 12" o.c. 23/32" 48/24 for 16" o.c. in field)

5.2.3 & 5.4.3	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Reinforce top plate with additional bolted top plates if stairwell opening is adjacent to foundation wall (4 additional plates for 10' opening)
5.3.2	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	If unequal backfill, provide shear strength (Between 2' and 6' differential, provide additional sheathing nailing of all walls and block and possibly double sheath end walls to act as shear walls. Also provide interior shear wall(s) if house is longer than 24')
2.6 & 4.1.5	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Caulk plywood joints
2.7, 2.8, 4.1.3, 4.1.5 & 4.1.6	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Six mil poly over below-grade foundation wall down to footing plate. Joints lapped 6" and caulked. Top edge caulked to wall and protected above grade with wood or similar material
4.1.7	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Granular fill for 1/2 excavation height
321.125	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Protect granular fill with proper erosion control BMPs
4.2.1	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Insulation of exterior walls per UDC SPS 322
4.2.2	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Vapor Barrier – with Vented Air Space: b/t insulation and plywood foundation wall, barrier shall be installed from the upper plate and extend down to the bottom plate
4.2.3	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Vapor Barrier – with No Vented Air Space: barrier shall be installed from the upper plate to approx. one foot below outside ground surface
321.07	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Crawl Space Access per 321.07
4.2.2	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Crawl Space Ventilation: per 322.34
4.1.4	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Sump Requirements

Inspection Checklist For Typical One- and Two-Family Dwellings

FRAMING INSPECTION

Suggested order of inspection: Scan exterior layout for offset walls, overhangs, wings and porches. Inspect in general order of exterior garage, upstairs, downstairs, basement. Follow load transfer down to earth including linear loads from bearing walls and any masonry and point loads from header ends, beam ends, and columns. Check for adequate fasteners especially for foam sheathed homes. For metal anchors, all holes generally filled with special connector nails (not roofing nails).

Roofs		
321.28(7)(d)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Cricket (saddle) if chimney over 30" wide
321.27(9)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Roof sheathing: Properly sized: minimum thickness 5/8" for solid sheathing on rafter spacing of 24" or less, 3/4" minimum thickness for spaced sheathing
321.08(2)(b)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Tenant separation in attic
Table 321.02-2	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Roof member to top plate: 2-16d or 3-8d
Rafters - 2 x sawn members		
321.27(4)(b)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Ridge board to be 2 x if rafter pairs offset; ridge board shall have a depth at least equal to the length of the cut end of the rafter abutting it
321.27(4)(a)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Collar ties every third pair in upper one third
321.27(6)(b)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Hip rafters 2" deeper than commons
321.27(6)(a)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Interior end of lower intersecting ridge board supported
321.27(6)(a)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Valley rafters doubled and minimum 2" deeper than commons
321.27(4)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Large cathedral ceilings and 1 1/2-story homes with properly sized ridge beam; or cantilevered wall ties; or rigid ridge connection (batts or gussets) and wall ties, or other means. Adequate hangers or bearing of rafters on ridge beam.
321.27(8)(b)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Notches maximum 1/6 of depth and not in mid-1/3 span. Notches in end maximum 1/4 depth of rafter.
321.27(8)(c)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Holes in center of rafter and maximum 1/3 depth of rafter
321.22(4)(a)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Minimum bearing of 1 1/2" on wood, 3" on masonry or anchor clips (ledger boards for shed roofs well anchored)
321.27(4)(e)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Gable end ladders anchored to interior rafter if overhang more than about 1'
Rafters - Wood I Member Rafters (TJIs, et.al.) Install per manufacturer instructions		
General	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Properly sized. No cutting of flanges or other damage. Proper cutting of web – watch holes by bearing points.
Ridge	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Must be supported by ledger board or ridge beam, not ridgeboard and collar ties. Bottom flange bearing condition: blocking or X-bracing between I-members, beveled top edge of ridge beam, pairs of members gusseted with 3/4" plywood or lapped with filler block between members. Framed into ridge beam or ledger condition: proper hangers – may need web stiffeners, strap together I-members across ridge if more than 7/12 slope.
Eaves	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Uncut bottom flange must bear on beveled top plate (or hanger if < 6/12 slope). Cut bottom joist flange must bear fully on top plate and have web stiffener(s) or cripples. Blocking or X-bracing between I-members. Refer to manufacturer's literature for other eave details.
Ladders	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Outriggers notched to top chord
Trusses, 321.27(8)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	- Bearing: end bearing points under scarf cut, factory blocking or cantilever strut; any interior bearing points to be at panel points; adequate bearing width for design (typical 3 1/2" for dwellings)(need extended seat of "double shear" hangers) - Girder trusses: laminated girder trusses properly nailed together (typical staggered o.c. spacing: 10" Top Chord, 3" Bottom Chord, 4" webs), proper girder truss hangers for common trusses, adequate end columns or multiple studs for girder trusses.

Trusses, 321.27(8) (continued)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	- Proper factory fabrication per plans. No modifications or damage. - Permanent bracing per plans or markings: location, TC – only if no rigid sheathing, BC – 10' o.c. only if no rigid ceiling such as drywall, webs – typically for over 8' long or if intersecting interior bearing point, cantilever struts at mid-point, TC of bottom portion of piggyback type truss. - Method of lateral bracing: near panel points on TC and BC, minimum 1" x 4" continuous or lapped for one truss bay, anchored into solid (not frame) end walls or diagonally braced in plane of brace (up or out at end walls) - Gable ends fully supported along full length unless trussed.
Ceilings		
321.06	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Ceiling height, at least 7 feet, habitable rooms may be less than 7 ft. if at least 50% of the room's floor area has a ceiling height of at least 7 feet. Beams and girders shall not project more than 8 inches below the required ceiling height.
321.07(1)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	14" x 24" scuttle opening for attic access
321.27(2)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Properly sized ceiling joists
321.27(5) & Table 321.02-2	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Joist to rafter: 3-16d. Joist to plate: 2-16d or 3-8d, or in accordance with the floor joist requirements under s. SPS 321.22(4)(a)1.d.
Frame Walls		
321.25(2)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	<u>Top plate:</u> Doubled or bearing members above studs (includes basement center walls), lower top plate broken over stud, corners and tees tied by laps or straps, proper stud sizing and spacing
321.25 (8)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	<u>Wall Bracing:</u> Wall brace plans meet code requirements. Redesign / reconfigure wall bracing detail on plans as needed to satisfy code requirements. Wall bracing methods match those on plans. Proper products used for wall bracing. Nailing patterns as per code. Brace panels installed to proper lengths
321.25 (3)(am) & (bm)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	<u>Headers where load bearing:</u> properly sized, headers >3' but <6' in length shall be directly supported on each end by the single common stud and 1 shoulder stud, <= 3' supported by single 2x4 common stud and a shoulder stud or single common stud with a framing anchor attached, headers greater than 6' in length shall be supported on each end by the single 2x4 common stud and 2 shoulder studs
321.18(1)(c)3.	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Bottom plate anchored in garage and whole foundation
321.10 (2) & (5)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	<u>Treated wood required:</u> - All wood resting directly upon or embedded in earth - Joists within 18" above exterior grade unless protected w/a moisture barrier - Girders spanning directly over and within 12" of earth - Sills and rim joists resting on concrete or masonry and also below grade or within 8" above final exterior grade. - Siding and sheathing in contact with concrete, masonry, or earth and within 6" above final exterior grade - Ends of wood structural members and their shims resting on or supported in masonry or concrete walls and having clearances of less than 1/2" on the top, sides, and ends - Bottom plates or sole plates of walls that rest on concrete or masonry and that are below exterior grade or less than 8" above final exterior grade - Columns in direct contact with concrete or masonry unless supported by a structural pedestal or plinth block at least one inch above the floor - Proper fasteners compatible with treated lumber
321.25 (4)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Reinforce stud if more than 1/3 depth bored or cut out
321.085 (1)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Fireblocking at soffits, dropped ceilings, openings around wires, cables, vents, pipes, ducts, chimneys, etc., concealed spaces, connections between concealed vertical or horizontal spaces
321.08 (1)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Fire Separation per code specifications

321.08(1)(a)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	<u>Attached garages</u> ¾ hour fire-resistive construction or shall be: - One layer of 5/8 inch Type X gypsum drywall on the garage side of the separation wall or ceiling - One layer ½ inch gypsum drywall on each side of the separation wall or ceiling - Two layers of ½ inch gypsum drywall shall be used on the garage side of separation wall or ceiling - Drywall joints taped and sealed - Gap between joints no greater than 1/20 inch, joints backed by solid wood or another layer of drywall
321.08(1)(b)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Structural elements exposed in an attached garage shall be protected as per 321.08 (a)
321.08(1)(c)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	<u>Doors:</u> minimum fire resistant rating of 20 min.
321.08(2)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Dwelling Unit Separation per code specifications
321.08(2)(a)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Dwelling units separated from each other: attics, basements, garages, vestibules and corridors
321.08(2)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	<u>Attic Separation:</u> complete separation extended to underside of the roof deck <u>Walls:</u> At least one layer 5/8 inch Type X gypsum wallboard or equiv. Or two layers of ½ inch gypsum wallboard or equiv. <u>Doors:</u> Minimum 20 minute fire rating <u>Floors and Ceiling:</u> 5/8 inch Type X gypsum wallboard with joints in compliance with sub. (1) (a)2. <u>Draft-stopping:</u> for concealed roof spaces & attics
321.04(2)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	<u>Stairs:</u> 36" minimum width - handrails and trim may project 4.5" max. into width area at each side - 6'-4" headroom measured from the stair's nosing to the ceiling, soffit, or any overhead obstruction - 8" riser, 9" tread - winders in series – minimum 7" tread 12" from pivot (individual winder – equal to tread depth of the rectangular steps 12" in from pivot)
321.04(3)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	<u>Handrail:</u> located at least 30 inches, but no more than 38 inches above tread nosing - required on stair flights with more than 3 risers. At least one handrail provided for full length of stair flight. - symmetrical about the vertical centerline to allow for equal wraparound of thumb and finger - round or truncated round handrail: max. whole diameter of 2" - rectangular handrails: max perimeter of 6-1/4" with a max. cross-sectional area of 2-7/8"
321.04(4)(a) & (b)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	<u>Landings:</u> Intermediate landing required for any stairway with a height of 12 feet or more - provide a level landing at the top and base of every set of stairs. Landing as wide as stairs and measure at least 3 feet in the direction of travel. - level landing provided on each side of a door located at the stair top or base - exterior landing: landing, platform or sidewalk located max 8 inches below the interior floor elevation. Minimum 36" length in the direction of travel out of the building
Brick Veneer Walls		
321.26(7)(a)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	- Brick ledge or base flashing provided - Maximum 1" corbel over foundation - Provide min. 1" air space behind brick - Provide weepholes at max. intervals of 2'
Table 321.26 - C	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Properly sized lintels
ACI 530-530.1	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Large stone securely anchored with 1/4" dowels
321.26(8)(a)1	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Proper flashing installed to drain water away from structural members
Floors		

321.22(8)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Properly sized sheathing, as per Table 321.22-B
Joists		2 x sawn members
321.22(1)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Properly sized
321.10(1)&(2)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Untreated crawlspace joists at least 18" to earth
321.22(4)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Bearing - minimum 1 1/2" on wood, 3" on masonry
321.22 (1) (c)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Where a sill plate is provided for floor joists on solid block top course masonry, the sill plate shall be fastened to the foundation.
321.22(1)(d)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Where the masonry wall has an open top course, a sill plate at least as wide as the foundation wall shall be fastened to the foundation.
321.22(4)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	The tail end of a floor joist may not extend past the edge of a beam by more than the depth of the floor joist.
321.22 (5)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Notching and boring: - notches maximum of 1/6 of depth and not in mid-1/3 span - notches in end maximum 1/4 depth of joist - holes in center of joist and maximum 1/3 depth
321.22 (6)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Overhangs: - max 2' where common joists are extended over wall and carry roof load - lookout joists anchored to double common joist setback 2 times overhang
Joists		Wood I member Joists (TJIs, et.al.) Per Mfr.
General:	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	- Properly sized - No cutting of flanges or other damage - Proper cutting of web – watch holes by bearing points
Rim	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	- 1-story: 3/4" plywood - Carrying 2-stories: 1-blocking: 2 layers 3/4" plywood; pair of 2x4 cripples; or continuous 2x rim - Provide solid blocking under point column loads
Center bearing	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	- 1-blocking or 2x4 cripples if bearing wall above - May need web stiffener
Sistered 2 x cantilevered deck	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	- Plywood filler between I-member and 2x joist - Maximum 4' cantilever
Cantilevered I-member w/ roof load	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	May need to reinforce I-member
Hangers	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	- Proper nails and nailing - Sized for I-member thickness and either full-depth or install web stiffener - Top-mounted hangers on I-member header – may also need backer block - Filler between doubled I-member header at hangers
321.22 (2)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	<u>Parallel Chord Floor Trusses</u> - no modifications or damage - bottom bearing trusses not flipped top for bottom - top bearing trusses bearing within 1" of last web - strongback installed 10' o.c. and tied to end walls - any interior bearing point at joint - no cantilevers unless engineered - if top bearing trusses used on frame wall, will need firestopping in wall at bottom chord
321.22 (7)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	<u>Floor openings</u> (around stairs, fireplaces, chimneys, plumbing, etc.) - doubled trimmers and headers if header over 4' - hangers or bearing for headers over 6' - clips, hangers, blocking plates, or bearing for tail joists over 8' including joists over basement windows

Beams		
321.22(3)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Properly sized
321.22(5)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	No notching or boring
Table 321.22 A-2	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Built up wood beams to have double row of 10d nails spaced 18" in each row; member joints within 1/4 span points, no adjacent butt joints, maximum 1/2 of plies jointed at same 1/4 point (especially critical for side-loaded beams)
321.02(3)(b)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Proper beam nailers (width equal to beam width)
321.22(3)(b)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Adjoining ends to be fastened together at columns
321.22(4)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Bearing length of 3" on 8" thick solid masonry concrete or on metal
321.02	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Adequately sized beam & columns
321.15(1)(b)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Footing size to be determined by live and dead loads
321.10(1)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Wood columns in direct contact with concrete/masonry to be treated
Foundation		
321.18(1)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Lateral support for tops of masonry wall including kneewalls provided through structural analysis, foundation bolts or anchors, or other mechanical fasteners.
ROUGH HEATING INSPECTION		
323.11(1)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Metal Chimney/Vent (listed venting system)
323.11 (2)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Proper roof termination - 3' above roof and 2' above roof within 10' of chimney (B vent with listed cap can terminate 1' above a roof with slope less than 8/12), or as specified in product listing
321.08(3)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Firestop and clearance to combustibles per label,
321.08 (2)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Proper Dwelling Unit Separation: attics, doors, walls, floors and ceilings, at roof, ceiling and floor penetrations and at each floor level unless in a chase
323.045(7)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Insulation shield in attic per product listing
323.04(6)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Enclosed in chase through occupied spaces
323.09(2)(b)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Rough ductwork (and to-be-concealed ducts). At least one return air opening per floor
321.22(5)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	-proper notching and boring of joists - maximum notch of 1/6 of depth but not in mid-1/3 span -proper notching of studs – maximum 1/3 depth or reinforce
321.22(5)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Holes bored in floor joist, not within top/bottom 2"
Table 323.08-A	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Minimum 30 gauge for concealed ducts
323.08 (1)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Not used for any other systems (any electrical, telephone or CATV boxes in return air spaces to be separated off)
Table 323.08-B	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Supported 10' - 12' o.c.
323.08(8)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Joints securely fastened or locked
323.08(2)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Ducts serving kitchen hoods to be metallic
321.32	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Factory-built fireplace
323.18(1)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Equipment Installed per listing and manual (which is to be left on site)
321.29(6)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Hearth extension "safety strip" in front of opening
321.30	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Chimney installed per product listing
321.32(2)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	No combustibles below top spacers or closer to jacket than listing (1" typ.)
323.09	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	No combustion air from garage without backdraft damper
321.32	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	- manufactured Fireplace installed & maintained per product listing - hearth extension "safety strip" installed per listing or 321.29(6) - clearances to combustibles per product listing
Masonry Fireplace		
321.15(2) (d)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Supported on 12" thick footings that extend 4" on either side
321.29	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Fireplace supported on minimum 8" thick foundation
321.29(10)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Cleanout provided
321.29(6)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Properly sized hearth extension: less than 6 square feet opening - 8" to sides, 16" to front; bigger - 12" to sides, 20" to front

Inspection Checklist For Typical One- and Two-Family Dwellings

INSULATION INSPECTION

322.20 – 322.39	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Envelope (ceiling, walls, floors, foundation) insulated per Subchapter IV SPS 322 and ResCheck/RemRate Heat Loss Programs or SPS 322.31 Prescriptive tables. Insulation matches inputs used for heat loss calcs and cross section plans
322.20 – 322.39	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Check installation and plans of window U values and insulation R values for consistency with inputs used in heat loss calculation
322.20(6)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	A permanent certificate from the heat loss calculations shall be posted on or immediately adjacent to the electrical distribution panel. Include predominant R-Values and U-Values
322.20(5)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Thermal Resistance Identification shown on insulation greater than 12” wide
322.20(5)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Blown attic insulation: ID tag per 300ft ² tag min 1 in height Text facing attic access
322.20(4)(c)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Manufacturer’s installation instructions available at job site
322.37(3)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Joint and Penetration Sealing - behind studs at wall corners and intersections - attic kneewalls - gable ends of cathedral ceilings - bay window seats and roof/ceilings - skylight wells - recessed light fixtures - between window/door jambs and framing - between wall assemblies, sill plates and foundation - penetrations of utility services through walls, floor and roof assemblies, top and bottom roof plates - attic and crawl space panels
322.37(4)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Recessed lights sealed to limit air leakage
322.37(5)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Fan housing gaps between ceiling or wall to be gasketed, sealed or caulked
322.34(3)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Insulate spaces over unheated areas such as garages and crawlspaces
322.32(7)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Insulate box sills and joist spaces at outside walls
322.32 (8)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Insulate overhang joist spaces
322.32(9)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Wall insulation shall completely fill the wall cavity
322.30 (4)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Insulate house/garage wall for thermal separation (including sheathing)
322.31(1)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Prescriptive window glazing U-factors
322.21	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	- support provided for ceiling insulation where not drywalled (stairwells, chases, etc.)
322.42(1)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	All heating (supply and return) ducts exposed to unheated spaces insulated to R-8 including in exterior walls
382.40(8)(a)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Water piping protected from freezing by insulation in exterior walls
322.38(1)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Continuous vapor retarder on warm side of all insulation - seams lapped at least 6 inches or batt flanges stapled to stud/joist faces - tightly cut around penetrations - interior soffits properly handled - vapor retarder paint also okay
322.37 (3)(a)4.	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Top plate penetrations sealed
323.02(3)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Exhaust fans terminate outside dwelling
322.39	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Attic venting: low side of roof 1:150, 50-75% on high side of roof 1:300
322.37(3)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Sill sealer on foundation
322.34	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Vapor retarder properly covering soil in Crawl Spaces
322.34(3)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Insulated Crawl Space per Table 322.31-1
323.08(2)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Metallic duct for kitchen hoods

Insulation of Permanent Wood Foundation		Permanent Wood Foundation Design Specification Manual 2007 Edition American Forest & Paper Association American Wood Council ANSI/AF&PA PWF-2007
322.31	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Insulated per Energy Worksheet or an acceptable software program
322.38(1)(b)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Continuous vapor barrier
Below-Grade per PWF Manual	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Permanent Wood Foundation Design Specification Manual 2007 Edition ANSI/AF&PA PWF-2007
4.1.6 & 4.2	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Provide air space between insulation and foundation sheathing or stop vapor barrier 1' below outside grade and fold against foundation sheathing
4.1.6	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Stop vapor barrier 1' below outside grade and fold against foundation sheathing
4.2.1.1	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Stop insulation 2" above bottom plate

Inspection Checklist For Typical One- and Two-Family Dwellings

CONSTRUCTION FINAL INSPECTION

Outside		
Zoning	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Broken sidewalk and curb replaced
321.12	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Grade away from dwelling
321.125(1)(c)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Final erosion control measures in place or site "stabilized" per code
Table 322.31-1	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Foundation insulation protection
321.24(3)(c)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Caulking or flashing of penetrations and joints
321.24(4)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Water-resistant wall covering, ICC-approved spray-applied barrier permitted
321.24(3)(d)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Horizontal plywood siding joints lapped, Z-flashed or battered per mfr./APA
321.10	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Untreated wood clearance to grade, 18" min.
321.28(7)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Proper roof flashing
321.225	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Code complying decks
323.02 (3)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Bath exhaust terminating outside dwelling
321.04(2)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Code complying steps, riser heights , tread depths
321.26(7)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Brick veneer installed properly
Inside		
321.09	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	- smoke detector in each sleeping room - outside of each sleeping room within 21 feet of sleeping room door opening (at centerline) - on floor levels without sleeping rooms, one alarm on each level - smoke alarms hardwired per code
321.097	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Carbon Monoxide (CO) detector installed on each floor hardwired per code
322.37(3)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Minimum 14" x 24" weatherstripped scuttle to each attic
321.08(1)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Garage fire separation in place including door casing, eaves, complying attic scuttle, and protection of beams and columns supporting living space above
321.05(3)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Safety glazing in doors and sidelights
321.04	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Code complying stairs - risers, tread, handrail, headroom, guardrail
321.03	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Code complying bedroom egress windows in basement and second floor if no second exit
Basement		
321.22(3) & 321.25(6)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Columns secured to beams, providing full beam width bearing, and anchored to floor
321.09	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Smoke detector / CO detector
321.097	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Carbon Monoxide (CO) detector installed hardwired per code
321.085	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Firestop around all chimneys, vents, ducts, and pipes in ceiling and also open stud spaces in split level
322.32 (7)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Box sill insulation
322.34 (2)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Vapor barrier on crawl space floors, organics removed
321.22(5)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Recheck notching and boring of joists
321.22(1)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Recheck floor joist support and header
HEATING FINAL INSPECTION		
Outside		
NFPA 54 7.2.1	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Gas pipe entrance nipple protected: galvanized, epoxy coated, taped or sleeved
323.11	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Sidewall appliance venting per product listing
Typical Listing per NFPA 54 12.7.2(7)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	- 3' from gas meter or regulator
NFPA 12.9.3	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	- 1' above grade
Table 10.6.2.3	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Free opening of unlisted chimney for venting flue gases by table
323.11 (2)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Chimney and vent termination 3' above roof and 2' above roof within 10'

323.13	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	B vent may be used. Typical listing requires a listed cap to terminate 1' above roof with slope less than 8/12
NFPA 58 (referenced by NFPA 54 5.5.1)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	<u>LP Tanks</u> - on adequate supports - 125 gallon tank – 5' from doors or windows, 10' from any sources of ignition (AC, furnace intakes) - 125-1200 gallons – 10' from building, sources or ignition or property line - safe from vehicle damage - gas regulator outlet to be 3' horiz away from building opening below outlet - piping and regulator properly secured
Inside		
323.09 & T-323.07	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Dampers, registers, and grilles to be provided
323.045(7)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Insulation shield around vent or chimney in attic per product listing
323.16	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Gas range and dryer shutoffs within 6' of appliance per NFPA 54 9.6.4
323.045	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Woodstoves properly installed
Fireplaces		
321.29 (6)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Hearth extension properly sized, less than 6 square feet: 8" to sides, 16" to front; bigger: 12" and 20"
321.32 (1)(a)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Factory-built fireplace firebox caulked or mortared to surround
321.29 (11)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Masonry fireplace to have proper mantel and trim clearances not within 6", maximum 1/8 projection per inch of clearance between 6" and 12" away from fireplace opening
Basement		
NFPA 54 T-7.2.6.2	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Gas pipe hangers: 1/2": 6' o.c., 3/4" and 1": 8' o.c. lines on 8' centers
321.30 (9)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	2" clearance between chimney and combustibles
323.11 (2)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Proper termination of vents. Typical clearance to B vent is 1" per listing
323.04(1)(b)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Furnace and water heater properly installed (see heating checklist)
Ducts		
323.09(1)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Shutoff dampers on accessible runs
Table 323.08-B	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Supported 10' - 12' o.c.
323.08(1)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Not used as chases for other mechanical systems
General Heating Plant		
323.04(1)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	To be installed per listing
323.18(1)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Manual left at site
323.03	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Size per calculated heating load. Ex: ResCheck/RemRate Energy Worksheet
323.17(2)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	24" of clearance in front of portions needing servicing
Table 322.31-3	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	84% AFUE minimum
322.39 (5)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Automatic flue damper
NFPA 54		
Gas Piping		
NFPA 9.6.4.1	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Shutoff valve within 6'
NFPA 7.6.1	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Drip shall be provided where condensate could collect
HVAC Electrical Connection - Venting		
NEC 2011 440.4(C)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Dedicated circuit (new construction)
NEC 440.53	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Properly fused per data plate
NEC 440.14	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Disconnect within sight
NEC 440.61	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Grounding connection made
323.06	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Combustion air
323.07(4)(d)3	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	50 cubic feet of room volume per 1000 BTU
323.07(4)(d)4. & (5)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	House air - two openings (high/low), each 1 square inch per 1000 BTU (figure 25% free air for wood louvers and 75% for metal louvers)
323.07(4)(b)2	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Outside air - two openings (high/low) each 1 square inch per 4000 BTU

Venting		
Table 323.15-C	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	6" min. clearance between single wall connector and combustibles
323.045(4)(d)4.	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Connector securely supported and joints fastened with a minimum of 3 sheet metal screws or rivets
323.155	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	- vent sized to appliance collar - co-venting: manifold or Y-fitting. Venting area shall be at least equal to the size of the largest vent connectors plus at least 50% of the area of the other vent connectors.
323.11(2)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	- termination - 3' above roof and 2' above roof within 10' (B vent with listed cap can terminate 1' above roof with slope less than 8/12) - gas and oil appliances shall terminate in locations specified in their listings
NFPA 54 12.7.2(7)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	3' from forced air inlet located within 10'
NFPA 12.9.3	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	1' above grade
NFPA Table 10.6.2.3	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Free opening of unlisted chimney for venting flue gases by table
323.156	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Condensate drain to sanitary drain
Ducts		
Table 323.08-A	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Duct construction - Minimum Sheet Metal Gauge
323.08(1)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Not used as chases for other mechanical systems
323.09(1)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Duct dampers (on accessible ducts) to permit balancing of the system
Table 323.08-B	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Rigid Duct Support 12' o.c.
323.08(8)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Joints securely fastened or locked
323.09(2)(b)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	- no return air openings in same room as atmospheric vented appliance - doors undercut if no return air opening in room
Boilers		
382.33(9)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Boilers, pressure tanks and relief valves discharge to a drain system shall be by means of an air-gap
Water heater		
323.04	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Installed per listing
323.18 (1)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Manual left at site
323.17 (2)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	24" clearance in front of portions needing servicing
382.40(5)(d)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Pressure/temperature blowoff valve and pipe discharging within 6 inches of the floor or receptor but not less than 2 x pipe dia. to floor
323.06	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Combustion air - see furnace section
NFPA 54 9.6.4.1	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Gas shutoff within 6 feet
Table 323.15-C	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Six inches clearance from combustible material
323.045(4)(d)4.	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Smokepipe sections securely supported and joints fastened with a minimum of 3 sheet metal screws or rivets
Wood Appliances		
323.045 (1)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	To be listed and installed per this section unless manufacturer lists use of protection or clearances other than those specified in this section
323.045(2)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Proper clearances to combustibles
323.045(5)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Proper floor protection
323.045(8)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	- supplemental units (connected to furnace) - connected on the warm side of the furnace - three feet separation between stove and furnace
Chimney Connector		
323.045(4)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	- 18" clearance between single wall connector and unprotected combustibles - readily accessible - securely supported sections joined with 3 screws or rivets - sections joined so crimped end points towards the stove (away for coal) - damper installed
Chimney		
323.045(3)(b)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Vented to own flue

321.30(7)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Lined masonry
323.045(3)(a)1.	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Factory built chimney to be 2100° F. high temperature (HT) type
Ducts		
323.045 (9)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Supply duct clearances to combustibles from Table 323.045-F: 18" separation first 3 feet from stove, 6" separation 3'-6", 1" separation > 6'

Final Inspection Guidelines

The following items are generally critical items that must be complying in order for occupancy to take place:

	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	All easily accessible electrical boxes closed up
	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Bathroom and kitchen plumbing fixtures in place
	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Smoke detectors
	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Guardrails
	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Steps and handrails
	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Erosion Control measures to be maintained by owner until site is stabilized (70% perennial vegetative cover)

The following items may generally be noted as non-complying on the occupancy permit and not require re-inspection

	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Caulking
	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Final Grade