Wisconsin Department of Safety and Professional Services Division of Industry Services 1400 East Washington Avenue PO Box 7302 Madison WI 53707-7302

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Scott Walker, Governor Laura Gutierrez, Secretary

| Inspection Che | ecklist For Typical One- and Two-Family Dwellings |
|-----------------------|--|
| | CONSTRUCTION |
| 320.09 (09) | Permit card posted |
| Zoning 321.33 | Proper setbacks |
| FOOTING | |
| INSPECTION | |
| FOOTINGS | |
| 321.16 | 48" Frost depth including at basement walkouts |
| 321.12 & 321.33 | Proper planned sill elevation for zoning and drainage |
| 321.14 (2) | Soil - no organics, uncompact fill, water, frost |
| 321.16 & ACI 318 | (shall be insulated if cold weather) and verify frost depth likely at site |
| 5.12 | |
| 321.17 | Groundwater/clay: tiles with bleeders 8' o.c. (also requires 4" base course under slab and damp roofing of block foundations) |
| 321.15 | Forms or adequate soil stiffness (normally will form footings if tiles or |
| | basement floor base course required) |
| 321.15 (2) | 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) |
| 320.10 & ACI 318 | - footings for basement center bearing walls |
| 15.9.2 | Rebar per plan or as needed to bridge problem spots |
| 321.02 (3)(e) | Protected from freezing during cure |
| 321.125 | Silt fence, straw bales, or non-channel matting to protect downslope |
| 5211125 | perimeter; 12" thick (3" to 6" diam. clean stone) tracking pad on all access |
| | drives (50 ft. length or to the foundation); soil stockpiles protected by proper |
| | erosion control methods; waterbodies and drainage ways protected from |
| | sediment discharge; no tracking onto street; off-site inlet protection; re- |
| | check as needed for repair and maintenance on future inspections. |
| | |
| FOUNDATION INSPECTION | |
| 321.15 (2)(a) | Footing has minimum 4" each side of foundation wall and 8" minimum depth |
| 321.18 | Proper foundation thickness, pilaster spacing, and reinforcement per code tables |
| 321.18 (3) | Maximum fill height for unreinforced HCB supporting WF: 8" block - (6 |
| | courses) in nongranular; 5' (8 courses) in granular; 10" block - 6' (8 courses) |
| | in nongranular; 6' (9 courses) in granular |
| 321.15 (2)(c) | Stepped foundation lintels or reinforcement (short steps okay with plain concrete) |
| 321.18 (3)(b) | Rebar or other reinforcement per plan |
| 321.26(3) | Type M or S mortar |
| 321.26(12) | 1/2" maximum mortar joint |
| 321.18 (3) | Anchor bolt placement: minimum 6' o.c. for concrete and 2 1/2' o.c. for HCB |
| 321.26(9) | Beam to bear on: 8" height solid of solid concrete (or steel plate) |

| 321.17 (3)(d) | | Required tiles: gravel bed of 2", cover of 12" |
|-----------------------------|------------------------------|---|
| 321.17 (3)(d) 321.18 (3) | | Block damp proofed in clay soil |
| 322.32 (6) | | Foundation insulation per energy worksheet including frost wall under |
| 522.52 (0) | | basement walkouts |
| 321.07 (2) & | | 1:1500 crawl space venting and 14" x 24" access |
| 322.34(3)(a) | | |
| 321.02 (3) | | Protected from freezing during cure |
| 321.26 (1) | | |
| 321.18 (1)(c) & (d) | | Walls braced or floor system in prior to backfill |
| 321.16, 321.12, | | Proper elevation for frost depth, zoning, drainage, and protection of wood |
| 321.10 | | from decay |
| | | |
| Fireplace | | - See Heating Checklist |
| 3 21.29(3) | - | |
| | | |
| BASEMENT F | LOOR INSPEC | TION |
| 321.17 (3) | | Bleeders 8' o.c. with tar paper over interior joints |
| 321.17, 321.20 (2)(3) | | 4" clean base course if clay soil or tiles required |
| 382.36 (8)(a)2. | | Storm crock lip to be 1" above floor |
| 321.20 | | Minimum 3" concrete floor thickness |
| 321.203 (1)(2) | | 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 | | Ground to be free of frost |
| | | |
| Permanent | Permanent Wood | American Forest & Paper Association |
| | Foundation Design | American Vood Council |
| Wood | Specification | |
| Foundation | Manual | ANSI/AF&PA PWF-2007 |
| (PWF) | 2007 Edition | |
| Excavation | | |
| Inspection | | |
| 3.2 | Design Properties of Soil | Determine .design properties of soil. Good to Medium Drainage, Poor Drainage, Poor to Unsatisfactory |
| 2.5 4.1.2 | Aggregate for | Washed gravel, free of organics 4in. clear granular (3/16" - 3/4") |
| | Footings and Fill | Crushed Stone, washed with no more than 10% fines (material that passes a |
| | | 3.16 in. sieve) Max size $\frac{3}{4}$ inch |
| | ~ | Sand, coarse min 1/16 in. free of organics, clayey or silty soils |
| 4.1.4 | Sump | Provide sump in soils classified as GW, GP, SW, SP, or GM Sump shall |
| 550 | Composite Eastings | extend 24 in. below the top of granular drainage layer. |
| 5.5.2 | Composite Footings | 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 | | Footing plate at least at frost depth; or if Group 1 soil or positively drained |
| | | then bottom of granular fill |
| 5.5.2 5.5.3 | | Column footings as for conventional construction or engineered wood and |
| | | gravel, per design calculations prescribed in document |
| 5.4.5.5.1 | Anchorage of | If concrete footer used, place on 4" granular that is positively drained or |
| | Foundation Wall | provide bleeders at 6' O.C. For basements: anchored to basement floor |
| | and Footing | slab by spikes and designed per Chap. 11 NDS. |
| | | For crawl spaces: anchored to concrete pad on each side by spikes and designed per Chap 11 NDS |
| | | l designed per Chap II NDS |

| 1.3 2.3.3 | | All wood within 8" of grade treated to "FDN" standards and so stamped in |
|------------------|-------------------|---|
| 1.5 2.5.5 | | accordance with AWPA U1. Treated field cuts in accordance with AWPA |
| | | M4. |
| 2.4.1 321.10 (5) | | Fasteners and connectors used in preservative treated wood shall be Type |
| 2.4.1 321.10(3) | | 304 or 316 stainless steel, or hot dipped galvanized zinc coated steel |
| | | fasteners where excepted. |
| 5.5 5.5.2.1 | | Framing connections properly designed. (Critical) |
| 5.5 | | 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 | Design of Lateral | Footing plate secured to wall plate (10d 12" O.C.) Design in accordance |
| | Connections | with the NDS |
| 5.5 | | Provide support frame under stepped footing |
| 5.4.1 | Design of Studs | Properly sized studs Per design calculations in the standard (2" x 8" usually for 7" backfill) |
| 5.4.3 | | Joints in footing plate and top plate staggered at least one stud space form |
| | | joints in the corresponding plate |
| 5.5.3 | | Adequate bearing stress $(1 \frac{1}{2}) - 2$) bottom of studs against floor slab |
| 5.4.5.5 | | 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 | | Top plates secured together (10d face nailed 2" o.c.) |
| 5.2.3 5.4.3 | | 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.) |
| 5.4 | | 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 | | 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 | | 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 | | Reinforce top plate with additional bolted top plates if stairwell opening is |
| | | adjacent to foundation wall (4 additional plates for 10' opening) |
| 4.1.7 | | 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 | | Caulk plywood joints |
| 2.7 2.8 4.1.3 | | Six mil poly over below-grade foundation wall down to footing plate. Joint |
| 4.1.6 4.1.5 | | lapped 6" and caulked. Top edge caulked to wall and protected above grade |
| | | with wood or similar material |
| 4.1.7 | | Granular fill for 1/2 excavation height |
| | | Protect granular fill with proper erosion control BMPs |
| 4.2.1 | | Insulation of exterior walls per UDC SPS 322 |
| 4.2.2 | | 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 | | 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 | | Crawl Space Access per 321.07 |
| 4.2.2 | | Crawl Space Ventilation: per 322.34 |
| 4.1.4 | | Sump Requirements |
| | | |
| FRAMING IN | ~ ~ ~ ~ ~ | |

FRAMING INSPECTION

| | 11. |
|---|--------------|
| General Suggested order of inspection: Scan exterior layout for offset was overhangs, wings and porches. Inspect in general order of exteri | |
| upstairs, downstairs, basement. Follow load transfer down to ear | |
| linear loads from bearing walls and any masonry and point loads | |
| header ends, beam ends, and columns. Check for adequate faster | |
| especially for foam sheathed homes. For metal anchors, all holes | |
| filled with special connector nails (not roofing nails). | sgenerally |
| Roofs | |
| State State 321.28 (7)(d) Cricket (saddle) if chimney over 30" wide | |
| 321.27 (9) Roof sheathing | |
| Properly sized: minimum thickness 5/8" for solid sheathing on r | after |
| spacing of 24" or less, ³ / ₄ " minimum thickness for spaced sheathi | |
| spacing of 24 of icss, 74 minimum unckness for spaced sheatin | iig |
| 321.08 (2) Tenant separation in attic | |
| 321.00 (2) Tenant separation in atte | hte |
| chimneys, etc.) | ints, |
| 321.02 (1)(d) Roof member to top plate: 2-16d or 3-8d | |
| | |
| Rafters 2 x sawn members | |
| | |
| 321.27 (4)(b) Ridge board to be 2 x if rafter pairs offset; ridge board shall have | a danth at |
| 321.27 (4)(b) Ridge board to be 2 x if rafter pairs offset; ridge board shall have least equal to the length of the cut end of the rafter abutting it | e a depui at |
| 321.27 (4)(a) Collar ties every third pair in upper one third | |
| Conar nes every unit pair in upper one unit | |
| 321.27 (6) Hip rafters 2" deeper than commons | |
| Interior end of lower intersecting ridge board supported | |
| 321.27 (6)(a) Valley rafters doubled and minimum 2" deeper than commons | |
| 321.28 (2) Large cathedral ceilings and 1 1/2-story homes with properly size | nd ridgo |
| beam; or cantilevered wall ties; or rigid ridge connection (batts o | |
| and wall ties, or other means. Adequate hangers or bearing of ra | |
| ridge beam. | |
| 321.27 (8)(b) Notches maximum 1/6 of depth and not in mid-1/3 span | |
| Notches in end maximum 1/4 depth of rafter | |
| Holes in center of rafter and maximum 1/3 depth of rafter | |
| 321.22 (4)(b) Minimum bearing of 1 1/2" on wood, 3" on masonry or anchor c | lips (ledger |
| boards for shed roofs well anchored) | I X B |
| 321.27 (4)(e) Gable end ladders anchored to interior rafter if overhang more th | an about 1' |
| Rafters Per Mfr. | |
| Wood I Member | |
| Rafters (TJIs, etal.) | |
| General | |
| Properly sized | |
| No cutting of flanges or other damage | |
| Proper cutting of web - watch holes by bearing points | |
| Ridge | |
| Must be supported by ledger board or ridge beam, not ridge boar | d 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 | |

| | 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 | |
| | Outriggers notched to top chord |
| 321.27 (8) | Roof trusses |
| | - proper factory fabrication per plans |
| | - no modifications or damage |
| | - 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 or "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 |
| | - 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 webs 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) |
| Ceilings | - Gable ends fully supported along full length unless trussed |
| 321.06 | Ceiling height, at least 7 feet, habitable rooms may be less than 7 ft. if at |
| 321.00 | 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) | 14" x 24" scuttle opening for attic access |
| 321.27 (2) | Properly sized ceiling joists |
| | er generation generation |
| 321.27(5) | Joist to rafter: 3-16d |
| | Joist to plate: 2-16d or 3-8d |
| | or in accordance with the floor joist requirements under s. SPS $321,22(4)(x)$ |
| Frame Walls | 321.22(4)(a)1.d. |
| | |
| 321.25 (2) | Top plate |
| | - 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 (2 x 6 16" o.c. or 2 x 4 12" o.c.) Wall Bracing 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 stud sizing and spacing (2 x 6 16" o.c. or 2 x 4 12" o.c.) Wall Bracing Wall brace plans meet code requirements Redesign / reconfigure wall bracing detail on plans as needed to satisfy code requirements |
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| Redesign / reconfigure wall bracing detail on plans as needed to satisfy code requirements |
| 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 |
| Headers where load bearing |
| 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 feet or less, supported by single 2 x 4 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 2 x 4 common stud and 2 shoulder studs |
| |
| |
| Bottom plate anchored in garage and whole foundation |
| |
| |
| |
| |
| All wood resting directly upon or embedded in earth |
| |
| Joists within 18 inches above exterior grade unless protected with a moisture |
| barrier |
| Girders spanning directly over and within 12 inches of earth |
| |
| Sills and rim joists resting on concrete or masonry and also below grade or |
| within 8 inches above final exterior grade |
| Siding and sheathing in contact with concrete, masonry, or earth and within |
| 6 inches 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 $\frac{1}{2}$ inch 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 inches above final exterior grade |
| |
| |
| |
| Columns in direct contact with concrete or masonry unless supported by a |
| Columns in direct contact with concrete or masonry unless supported by a structural pedestal or plinth block at least one inch above the floor |
| Columns in direct contact with concrete or masonry unless supported by a |
| |

| 321.085 (1)(2) | Fire blocking 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) | Fire Separation per code specifications |
| (a) | Attached garages |
| | ³ / ₄ 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 ¹ / ₂ inch gypsum drywall on each side of the separation wall on |
| | ceiling |
| | - Two layers of 1/2 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 |
| (b) | Structural elements exposed in an attached garage shall be protected as per |
| | 321.08 (a) |
| (c) | Doors: minimum fire resistant rating of 20 min. |
| (2) | Dwelling Unit Separation per code specifications |
| (a) | Dwelling units separated from each other: attics, basements, garages, |
| | vestibules and corridors |
| (b) | Attic Separation: complete separation extended to underside of the roof |
| (d) | deck, |
| | Walls: At least one layer 5/8 inch Type X gypsum wallboard or equiv. |
| (c) | Or two layers of ¹ / ₂ inch gypsum wallboard or equiv. |
| (e) | Doors: Minimum 20 minute fire rating |
| | Floors and Ceiling: 5/8 inch Type X gypsum wallboard with joints in |
| (f) | compliance with sub. (1) (a)2. |
| | Building Design - recheck architectural plan review, plus: |
| | |
| 321.04(2) | Stairs |
| | - 36 inches minimum width |
| | - Handrails and trim may project max. 4.5 inches 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 inches in from pivot (individual |
| | winder - equal to tread depth of the rectangular steps 12 inches in from |
| | pivot) |
| | Handrail: located at least 30 inches, but no more than 38 inches above |
| | tread nosing |
| (3) | Handrails : required on stair flights with more than 3 risers. At least one |
| | handrail provided for full length of stair flight. |
| | Handrails : symmetrical about the vertical centerline to allow for equal wraperound of thumb and finger |
| | wraparound of thumb and finger Round or truncated round handrail: max. whole diameter of 2 inches |
| | Rectangular handrails : max perimeter of 61/4 inches with a max. cross |
| | sectional area of 27/8 inches. |
| (4) (a) | Landings: Intermediate landing required for any stairway with a height of |
| (¬) (a) | 12 feet or more |
| | Landing: Provide a level landing at the top and base of every set of stairs. |
| (b) | |

| | Doors at landings: Level landing provided on each side of any door located |
|-----------------------|---|
| | at the top or base of stairs |
| | Exterior landing: Landing, platform or sidewalk located max 8 inches below the interior floor elevation. Minimum 36 inch length to in the direction of travel out of the building. |
| Brick Veneer Walls | |
| 321.26(7)(a) 1. | Brick ledge or base flashing provided |
| | Maximum 1" corbel over foundation |
| (a)2. | Provide (1") air space behind brick |
| 4. | Provide weep holes at max. intervals of 2 feet. |
| T.321.26 - C | Properly sized lintels |
| | Large stone securely anchored with 1/4" dowels |
| 321.26(8)(a)1 . | Proper flashing installed to drain water away from structural members |
| Floors | |
| 321.22(8) | Properly sized sheathing, as per Table 321.22-B |
| Joists | 2 x sawn members |
| 321.22(1) | Properly sized |
| 321.10(1) | Untreated crawlspace joists at least 18" to earth |
| 321.22(4) | Bearing - minimum 1 1/2" on wood, 3" on masonry |
| 321.22 (1) (c) | 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) | 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)(c) | 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) | 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) | Overhangs |
| 521.22 (0) | - maximum 2' where common joists are extended over wall and |
| | carry roof load |
| | - lookout joists anchored to doubled common joist setback |
| | 2 x overhang |
| Joists | Wood I member Joists (TJIs, etal.) Per Mfr. |
| General: | Properly sized |
| | No cutting of flanges or other damage |
| | Proper cutting of web - watch holes by bearing points |
| Rim | |
| | 1 story: 3/4" plywood |
| | Carrying 2 stories: I-blocking: 2 layers 3/4" plywood; pair of 2 x 4 cripples; or continuous 2 x rim |
| ll | |

| | Provide solid blocking under point column loads |
|-------------------------------------|---|
| Center bearing | |
| | I-blocking or 2 x 4 cripples if bearing wall above |
| | May need web stiffener |
| | |
| Sistered 2 x | |
| cantilevered deck | |
| | Plywood filler between I-member and 2 x joist |
| | Maximum 4' cantilever |
| | |
| Cantilevered I- member with roof | May need to reinforce I-member |
| load | |
| Hangers | |
| | 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) | Parallel Chord Floor Trusses |
| | - no modifications or damage |
| | - bottom bearing trusses not flipped top for bottom |
| | - top bearing trusses bearing within 1" of last web |
| | - strong back 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 |
| | fire stopping in wall at bottom chord |
| 321.22 (7) | Floor openings (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) | Properly sized |
| 521.22 (5) | r topeny sized |
| 321.22 (5) | No notching or boring |
| 521.22 (5) | |
| T. 321.22 A-2 | Built up wood beams to have double row of 10d nails spaced 18" in each |
| 1. 321.22 A-2 | 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 | Proper beam nailers (width equal to beam width) |
| 321.02 321.22 (3)(a) | Adjoining ends to be fastened together at columns |
| 321.22 (3)(a) | Bearing length of 3" on 8" thick solid masonry concrete or on metal |
| <i>521.22</i> (T) | |
| 321.02 | Adequate beam columns |
| 521.02 | |
| 321.15 (1)(b) | Beam columns on footings |
| 521.13 (1)(0) | |
| 221 10 (1) | |
| 321.10(1) | |
| | |
| Foundation | |
| 321.18 (1) (a)(b)(c) | Lateral support for tops of masonry wall including knee walls |

| | - foundation bolts or anchors |
|---------------------|--|
| | - ledger board and end wall blocking |
| | - furred interior wall with connection to floor joists |
| | |
| INSULATION | |
| INSPECTION | |
| | |
| 322 20 - 322.39 | 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 | Check installation and plans of window U values and insulation R |
| | values for consistency with inputs used in heat loss calculation |
| 322.20 (6) | 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) | Thermal Resistance Identification shown on insulation greater than 12 inches wide |
| 322.20 (5) | Blown attic insulation: ID tag per 300ft ² tag min 1 in height Text facing attic access |
| 322.20 (4) | Manufacturer's installation instructions available at job site |
| 322.37 Joint and | - behind studs at wall corners and intersections |
| Penetration Sealing | |
| 322.37 (3) | - attic knee walls |
| 322.37 (3) | - gable ends of cathedral ceilings |
| 322.37 (3) | - bay window seats and roof/ceilings |
| 322.37 (3) | - skylight wells |
| 322.37 (3) | Recessed lighting fixtures |
| 322.37 (3) | - between window/door jambs and framing |
| 322.37 (3) | Between wall assemblies, sill plates and foundation |
| 322.37 (3) | Penetrations of utility services through walls, floor and roof assemblies, top |
| | and bottom roof plates |
| 322.37 (3) | Attic and crawl space panels |
| 322.37 (4) | Recessed lights |
| 322.37 | Fan housings |
| 322.34 | - spaces over unheated areas such as garages and crawlspaces |
| 322.32(7) | - second floor box sill |
| 322.32 (8) | Overhang Joist Spaces |
| 322.32(9) | - 2nd story walls adjacent to attics |
| | |
| 322.30 (4) | - house/garage wall (including insulating sheathing) |
| 322.21 | window glazing support provided for ceiling insulation where not dry walled (stairwells, |
| | chases, etc.) |
| 322.42(1) | All heating (supply and return) ducts exposed to unheated spaces insulated to R-8 including in exterior walls |
| 382.40(8)(a) | Water piping protected from freezing by insulation in exterior walls |
| 322.38(1) | Continuous vapor barrier 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 barrier paint also okay |
| 322.37 (3) (4) | Top plate penetrations sealed |
| 321.37 (5) | Exhaust fans terminate outside dwelling |

| 322.39(1) | | Attic venting: one side 1:150, high/low 1:300; insulated roof vents = 1/3 |
|-------------------------------|--------------------------------------|--|
| 522.57(1) | | square foot, air chutes in or raised truss heel |
| 322.37(3) | | Sill sealer on foundation |
| 322.34 | | Vapor retarder properly covering soil in Crawl Spaces |
| 022101 | | Insulated Crawl Space per Table 322.31-1 |
| 323.08(2) | | Metallic duct for kitchen hoods |
| | | |
| Insulation of | Permanent Wood | American Forest & Paper Association |
| Permanent | Foundation Design | American Wood Council |
| Wood | Specification | |
| Foundation | Manual | ANSI/AF&PA PWF-2007 |
| | 2007 Edition | |
| 322.31 | | Insulated per Energy Worksheet or an acceptable software program |
| 322.38(1)(b) | Dommon+ W/ 1 | Continuous vapor barrier |
| Below-Grade per PWF Manual | Permanent Wood Foundation Design | ANSI/AF&PA PWF-2007 |
| PWF Manual | Specification Manual 2007 Edition | |
| 6.10.3. | | - Provide air space between insulation and foundation sheathing or |
| 6.10.2. | | - Stop vapor barrier 1' below outside grade and fold against foundation |
| | | sheathing |
| 6.10.4. | | Stop insulation 2" above bottom plate |
| CONSTRUCTIO | | |
| FINAL INSPEC | TION | |
| Outside | | |
| Zoning | | Broken sidewalk and curb replaced |
| Zomig | | 1 |
| 321.12 | | Grade away from dwelling |
| 321.125 | | Final erosion control measures in place or site "stabilized" per code |
| 322.31 | | Foundation insulation protection |
| Table 322.31-1 | | I I I I I I I I I I I I I I I I I I I |
| | | |
| 321.24(2)(c) | | Caulking or flashing of penetrations and joints |
| 321.24 (4) | | Weather resistant wall covering (painted if necessary) |
| | | |
| 321.24(3)(4) | | Horizontal plywood siding joints lapped, Z-flashed, or battered per mfr. and APA |
| 321.10 | | Untreated wood clearance to grade |
| 521.10 | | |
| 321.27(4) | | Proper roof flashing |
| . / | | |
| Various | | Code complying decks |
| 323.02 (3) | | Bath exhaust terminating outside dwelling |
| 321.04(2) | | Code complying steps, riser heights, tread depths |
| 321.26(7) | | Brick veneer installed properly |
| | | |
| Inside | | |
| 321.09 | | 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 |

| (2) | Smoke Alarms hardwired per code |
|--|---|
| 321.097 | Carbon Monoxide (CO) detector installed on each floor hardwired per code |
| 521.077 | Carbon Monovide (CO) detector instance on each noor nardwired per code |
| 322.37(3) | Minimum 14" x 24" weather-stripped scuttle to each attic |
| 322.37(3) | |
| 321.08(1) | 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) | Safety glazing in doors and sidelights |
| 321.04 | Code complying stairs - risers, tread, handrail, headroom, guardrail |
| | |
| 321.03 | Code complying bedroom egress windows in basement and second floor if |
| | no second exit |
| | |
| Basement | |
| 321.22 (3) | Columns secured to beams, providing full beam width bearing, |
| 321.25 (6) | and anchored to floor |
| 321.09 | Smoke detector / CO detector |
| 321.097 | Carbon Monoxide (CO) detector installed hardwired per code |
| 321.085 | Fire stop around all chimneys, vents, ducts, and pipes in ceiling and also |
| | open stud spaces in split level |
| 322.32 (7) | Box sill insulation |
| | |
| 322.34 (2) (1) | Vapor barrier on crawl space floors, organics removed |
| | |
| 321.22(5) | Recheck notching and boring of joists |
| 321.22(1) | Recheck floor joist support and header |
| | |
| HEATING | |
| ROUGH HEATING | |
| ROUGH HEATING INSPECTION | |
| ROUGH HEATING INSPECTION 323.11(1) | Metal Chimney/Vent |
| ROUGH HEATING INSPECTION | Metal Chimney/Vent |
| ROUGH HEATING INSPECTION 323.11(1) Listing | |
| ROUGH HEATING INSPECTION 323.11(1) | Proper roof termination - 3' above roof and 2' above roof within 10' (B vent |
| ROUGH HEATING INSPECTION 323.11(1) Listing 323.11 (2) | |
| ROUGH HEATING INSPECTION 323.11(1) Listing 323.11 (2) Listing | Proper roof termination - 3' above roof and 2' above roof within 10' (B vent with listed cap can terminate 1' above a roof with slope less than 8/12) |
| ROUGH HEATING INSPECTION323.11(1)Listing323.11 (2)Listing321.08 | Proper roof termination - 3' above roof and 2' above roof within 10' (B vent with listed cap can terminate 1' above a roof with slope less than 8/12) - Fire stop and clearance to combustibles per label, |
| ROUGH HEATING INSPECTION 323.11(1) Listing 323.11 (2) Listing | Proper roof termination - 3' above roof and 2' above roof within 10' (B vent with listed cap can terminate 1' above a roof with slope less than 8/12) - Fire stop and clearance to combustibles per label, Proper Dwelling Unit Separation: attics, doors, walls, floors and ceilings |
| ROUGH HEATING INSPECTION323.11(1)Listing323.11 (2)Listing321.08 | Proper roof termination - 3' above roof and 2' above roof within 10' (B vent with listed cap can terminate 1' above a roof with slope less than 8/12) - Fire stop and clearance to combustibles per label, Proper Dwelling Unit Separation: attics, doors, walls, floors and ceilings at roof, ceiling and floor penetrations and at each |
| ROUGH HEATING INSPECTION 323.11(1) Listing 323.11 (2) Listing 321.08 321.08 (2) | Proper roof termination - 3' above roof and 2' above roof within 10' (B vent with listed cap can terminate 1' above a roof with slope less than 8/12) - Fire stop and clearance to combustibles per label, 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 |
| ROUGH HEATING INSPECTION 323.11(1) Listing 323.11 (2) Listing 321.08 321.08 (2) Listing | Proper roof termination - 3' above roof and 2' above roof within 10' (B vent with listed cap can terminate 1' above a roof with slope less than 8/12) - Fire stop and clearance to combustibles per label, 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 - Insulation shield in attic |
| ROUGH HEATING INSPECTION 323.11(1) Listing 323.11 (2) Listing 321.08 321.08 (2) | Proper roof termination - 3' above roof and 2' above roof within 10' (B vent with listed cap can terminate 1' above a roof with slope less than 8/12) - Fire stop and clearance to combustibles per label, 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 |
| ROUGH HEATING INSPECTION 323.11(1) Listing 323.11 (2) Listing 321.08 321.08 (2) Listing Listing | Proper roof termination - 3' above roof and 2' above roof within 10' (B vent with listed cap can terminate 1' above a roof with slope less than 8/12) - Fire stop and clearance to combustibles per label, 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 - Insulation shield in attic |
| ROUGH HEATING INSPECTION 323.11(1) Listing 323.11 (2) Listing 321.08 321.08 (2) Listing Listing Rough ductwork | Proper roof termination - 3' above roof and 2' above roof within 10' (B vent with listed cap can terminate 1' above a roof with slope less than 8/12) - Fire stop and clearance to combustibles per label, 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 - Insulation shield in attic |
| ROUGH HEATING INSPECTION 323.11(1) Listing 323.11 (2) Listing 321.08 321.08 (2) Listing Listing Rough ductwork (and-to-be concealed | Proper roof termination - 3' above roof and 2' above roof within 10' (B vent with listed cap can terminate 1' above a roof with slope less than 8/12) - Fire stop and clearance to combustibles per label, 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 - Insulation shield in attic |
| ROUGH HEATING INSPECTION 323.11(1) Listing 323.11 (2) Listing 321.08 321.08 (2) Listing Listing Rough ductwork (and-to-be concealed ducts) | Proper roof termination - 3' above roof and 2' above roof within 10' (B vent with listed cap can terminate 1' above a roof with slope less than 8/12) - Fire stop and clearance to combustibles per label, 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 - Insulation shield in attic - Enclosed in chase through occupied spaces |
| ROUGH HEATING INSPECTION 323.11(1) Listing 323.11 (2) Listing 321.08 321.08 (2) Listing Listing Rough ductwork (and-to-be concealed | Proper roof termination - 3' above roof and 2' above roof within 10' (B vent with listed cap can terminate 1' above a roof with slope less than 8/12) - Fire stop and clearance to combustibles per label, 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 - Insulation shield in attic |
| ROUGH HEATING INSPECTION 323.11(1) Listing 323.11 (2) Listing 321.08 321.08 (2) Listing Listing S21.08 (2) Rough ductwork (and-to-be concealed ducts) 323.09(2)(b) | Proper roof termination - 3' above roof and 2' above roof within 10' (B vent with listed cap can terminate 1' above a roof with slope less than 8/12) - Fire stop and clearance to combustibles per label, 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 - Insulation shield in attic - Enclosed in chase through occupied spaces At least one return air opening per floor |
| ROUGH HEATING INSPECTION 323.11(1) Listing 323.11 (2) Listing 321.08 321.08 (2) Listing Listing Rough ductwork (and-to-be concealed ducts) | Proper roof termination - 3' above roof and 2' above roof within 10' (B vent with listed cap can terminate 1' above a roof with slope less than 8/12) - Fire stop and clearance to combustibles per label, 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 - Insulation shield in attic - Enclosed in chase through occupied spaces At least one return air opening per floor Proper notching and boring of joists - maximum notch of 1/6 of depth but |
| ROUGH HEATING INSPECTION 323.11(1) Listing 323.11 (2) Listing 321.08 321.08 (2) Listing Rough ductwork (and-to-be concealed ducts) 323.09(2)(b) 321.22(5) | Proper roof termination - 3' above roof and 2' above roof within 10' (B vent with listed cap can terminate 1' above a roof with slope less than 8/12) - Fire stop and clearance to combustibles per label, 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 - Insulation shield in attic - Enclosed in chase through occupied spaces At least one return air opening per floor Proper notching and boring of joists - maximum notch of 1/6 of depth but not in mid-1/3 span |
| ROUGH HEATING INSPECTION 323.11(1) Listing 323.11 (2) Listing 321.08 321.08 (2) Listing Listing S21.08 (2) Rough ductwork (and-to-be concealed ducts) 323.09(2)(b) | Proper roof termination - 3' above roof and 2' above roof within 10' (B vent with listed cap can terminate 1' above a roof with slope less than 8/12) - Fire stop and clearance to combustibles per label, 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 - Insulation shield in attic - Enclosed in chase through occupied spaces At least one return air opening per floor Proper notching and boring of joists - maximum notch of 1/6 of depth but |

| 222.08 (1) | Not used for any other systems (any electrical, telephone or CATV boxes in |
|---------------|--|
| 323.08 (1) | return air spaces to be separated off) |
| Т.323.08-В | Supported 10' - 12' o.c. |
| 323.08(8) | Joints securely fastened |
| 323.00(0) | |
| 323.08(2) | Ducts serving kitchen hoods to be metallic |
| 321.32 | Factory-built fireplace |
| 323.18(1) | Equipment Installed per listing and manual (which is to be left on site) |
| | Safety strip in front of opening |
| | Chimney installed per above |
| Listing | No combustibles below top spacers or closer to jacket than listing (1" |
| | typical) |
| 323.09 | No combustion air from garage without backdraft damper; |
| Listing | Manufactured Fireplace |
| | Safety strip installed |
| | Clearances to combustibles |
| | |
| ROUGH | |
| | |
| MASONRY | |
| FIREPLACE | |
| AND | |
| MASONRY | |
| CHIMNEY | |
| Masonry | |
| Fireplace | |
| 321.15(2) (d) | Supported on 12" thick footings that extend 4" on either side |
| 321.29 | Fireplace supported on minimum 8" thick foundation |
| (10) | Cleanout provided |
| (6) | Properly sized hearth extension: less than 6 square feet opening - 8" to |
| | sides, 16" to front; bigger - 12" to sides, 20" to front |
| (3) | Side and back walls of fireplace at least 8" thick |
| | Masonry fireboxes of firebrick laid in thin refractory cement |
| (1) | Flue sized for fireplaces: round: 1/12 of opening; rectangular: 1/10; |
| | minimum 75 square inches |
| Masonry | |
| Chimney | |
| 321.30(2) | Proper flue size for other appliances |
| | |
| (3) | Multiple flues separated by 4" masonry |
| (9)(a) | Minimum clearance to combustible framing of 2" for interior chimneys and |
| | 1/2" for exterior chimneys |
| (9)(b) | Minimum clearance of 1/2" to combustible trim |
| (9)(c) | Draft stop at each floor level |
| (8) | Minimum 2" chimney cap |
| 321.29(2) | Terminate 3' above roof and 2' above any roof within 10' |
| | |
| HEATING | |
| FINAL | |
| INSPECTION | |
| | |
| Outside | |
| NFPA 54 | Gas pipe entrance nipple protected - galvanized, epoxy coated, taped or |
| 7.2.1 | sleeved |

| 323.11 | Sidewall appliance venting |
|----------------------|--|
| Typical Listing per | - 3' from gas meter or regulator |
| NFPA 54 12.7.2 | - 5 from gas meter of regulator |
| 12.7.2 | - 1' above grade |
| 3.3.107 | - sealed combustion |
| 10.7.1.2 | - 50,000 BTU or less - 9" from building opening |
| 10.7.1.2 | - over 50,000 BTU - 12" from opening |
| 10.7.2 | - power vented - 4' from openings |
| 323.11 (2) | Chimney and vent termination |
| 323.11 (2) | - 3' above roof and 2' above roof within 10' |
| 323.13 | - B vent with listed cap can terminate 1' above roof with slope less than 8/12 |
| Typical Listing | - B vent with listed cap can terminate 1 above roof with slope less than 8/12 |
| Typical Listing | |
| 323.16 (1)/NFPA 58 | LP Tanks |
| 6.3 | 125 gallon tank - 5' from doors or windows, 10' from any sources of ignition |
| 0.5 | (AC, furnace intakes) |
| 6.3 | 125-1200 gallons - 10' from building, sources of ignition or property line |
| 0.5 323.16 (1)(c) | On adequate supports |
| 6.3 | Safe from vehicle damage |
| 6.3 | Gas regulator outlet to be 3' horizontally away from building opening below |
| | outlet |
| 6.8.1 | Piping and regulator properly secured |
| Inside | |
| 323.09 (1)&(2) | Dampers, registers, and grilles |
| T-323.07 | |
| Listing | Insulation shield around vent or chimney in attic |
| 323.16/NFPA 54 | Gas range and dryer shutoffs within 6' of appliance |
| 9.6.4 | |
| Woodstoves properly | |
| installed (see | |
| checklist) | |
| 323.045 | |
| | |
| Fireplaces | |
| 321.29 (6) | Hearth extension properly sized, less than 6 square feet: 8" to sides, 16" to front; bigger: 12" and 20" |
| 321.32 (1)(a) | Factory-built fireplace firebox caulked or mortared to surround |
| 321.29 (11) | Proper mantel and trim clearances; masonry fireplace: not within 6", |
| | maximum 1/8 projection per inch of clearance between 6" and 12" away |
| | from fireplace opening |
| | |
| Basement | |
| NFPA 54/7.2.6 | Gas pipe hangers: 1/2": 6' o.c., 3/4" and 1": 8' o.c. lines on 8' centers |
| 321.30 (9) | 2" clearance between chimney and combustibles |
| 323.11 (1) | Proper clearance to B vent (typically 1") |
| Listing | |
| | Furnace and water heater properly installed (see heating checklist) |
| Ducts | |
| 323.09(1) | - shutoff dampers on accessible runs |
| 322.17 | |
| | supported 10' 12' a a |
| Т.323.08-В | - supported 10' - 12' o.c. |
| 222.08(1) | not used as sheeps for other reacher is land as |
| 323.08(1) | - not used as chases for other mechanical systems |
| | |

| General Heating | |
|--------------------------------------|---|
| Plant | |
| 323.04 | To be installed per listing |
| 323.18(1) | Manual left at site |
| | |
| 322.15 | Sized per ResCheck/RemRate Energy Worksheet |
| 323.17(2) | 24" of clearance in front of portions needing servicing |
| 322.31 (3) | 80% AFUE minimum |
| T-322.31-3 322.39 (5) | Automatic flue damper (or outside combustion air or induced draft or |
| 522.59 (5) | secondary exchanger) and electronic ignition |
| Typical Listing | If damp floor, provide raised base |
| i ypicai Listing | |
| NFPA 54 | Gas Piping |
| 9.6.4.1 | Shutoff valve within 6' |
| 7.6.1 | Drip tee |
| NEC 90 | HVAC Electrical Connection - Venting |
| | Dedicated circuit (new construction) |
| 4450.53 | Properly fused per data plate |
| 440.14 | Disconnect within sight |
| 440.61 | Grounding connection made |
| 323.06 | Combustion air |
| (1)(a) | 100 cubic feet of room volume per 1000 BTU (12.5 square foot floor area if |
| | 8' tall) input or bring in air |
| (4)(d)4.c. | House air - two openings (high/low), each 1 square inch per 1000 BTU |
| | (figure 20% free air for wood louvers and 60% for metal louvers) |
| (4)(b) | Outside air - two openings (high/low) each 1 square inch per 4000 BTU |
| X 7 and 4 and a | |
| Venting | |
| Atmospheric | |
| Venting | |
| Т.323.15-С | 6" min. clearance between single wall connector and combustibles |
| 323.045 (4)(d) 4. | Connector securely joined and supported |
| 323.155 | Vent sized to appliance collar |
| | Co-venting - no exhaust pipe tees or back-to-back flue entrances – f 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. |
| 222.11(1) + (2) | |
| 323.11(1) + (2) | 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) |
| | Sidewall venting (typical) |
| Listing | All vents under positive pressure to be tightly sealed |
| Listing | PVC vent supported 3' o.c. |
| Listing | PVC vent sloped 1/4" per foot to furnace |
| Listing | Maximum vent length per manufacturer (typical 30-40 feet plus two elbows) |
| NFPA 54 and | Termination |
| Listing | |
| 12.7.2 | 3' from gas meter or regulator |
| 12.7.2 | 1' above grade |
| 12.7.2 | Away from damageable items (AC, electrical equipment) |
| 3.3.107 | Sealed combustion |
| 12.7.2 | - 50,000 BTU or less - 9" from windows, etc. |
| 12.7.2 | - power vented - 4' from openings |
| Listing | Condensate drain vent in place |
| 323.156 | Condensate drain to sanitary drain |
| | |

| Ducts | |
|-------------------|---|
| T.323.08-A | Duct construction - Minimum Sheet Metal Gauge |
| 323.08(1) | Not used as chases for other mechanical systems |
| 323.09(1) | Duct dampers (on accessible ducts) |
| | |
| Т.323.08-В | Rigid Duct Support 12' o.c. |
| | |
| 323.08(8) | Joints securely fastened |
| 323.09(2)(b) | No return air openings in same room as atmospheric vented appliance |
| 323.09(2)(b) | Doors undercut if no return air opening in room |
| | |
| Boilers | |
| T-(382.43-1) | Backflow prevention: per Table 382.43-1 |
| Listing | Pressure/temperature blow off valve and pipe |
| Listing | Barometric damper in same room as appliance |
| Libring | |
| WATER HEATER | |
| 323.04 | Installed per listing |
| 323.18 (1) | Manual left at site |
| 323.17 (2) | Twenty-four inches clearance in front of portions needing servicing |
| 382.40 (5)(d) | Pressure/temperature blow off valve and pipe discharging within 6 inches of |
| | the floor or receptor but not less than 2 x pipe dia. to floor |
| 323.06 | Combustion air - see furnace section |
| NFPA 54 5.5.6 | Gas sediment trap |
| NFPA 54 5.5.4 | Gas shutoff within 6 feet |
| Т-323.15-С | Six inches clearance to smoke pipe |
| 323.045 (4)(d)4. | Smoke pipe sections securely joined and supported |
| Listing & NFPA 54 | Sidewall venting - see furnace section |
| | |
| Wood | |
| Appliances | |
| 323.045 (1) | To be listed and installed per listing |
| Listing | Proper clearances to combustibles |
| | |
| 323.045 (5) | Proper floor protection |
| | Supplemental units (connected to furnace) |
| 323.045(8) | Connected on warm air side of furnace (stove not to dump hot air into |
| | furnace return air cabinet) |
| 323.045(8)(e) | Three feet separation between stove and furnace |
| | |
| Chimney | |
| Connector | |
| 323.045(4)(b) | Eighteen inches clearance between single wall connector and unprotected |
| | combustibles |
| 323.045(4)(c) | Readily accessible |
| 323.045(4)(d) 4. | Sections joined with 3 screws or rivets |
| 323.045(4)(d) 5. | Sections joined so creosote flows to stove |
| 323.045(4)(d) 4. | Securely supported |
| | Damper installed |
| | |
| Chimney | |
| 323.045(3)(b) | Vented to own flue |
| 323.045(3)(a) 2 | Lined masonry |

| 323.045(3)(a) 1. | | Factory built chimney to be 2100° F. high temperature (HT) type | | |
|---|--|---|--|--|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Ducts | | | | |
| 323.045 (9) | | Supply duct clearances to combustibles | | |
| T- 323.045-F | | First 3 feet from stove: 18 inches | | |
| | | 3 to 6 feet: 6 inches | | |
| | | Over 6 feet: 1 inch | | |
| | | | | |
| Final Inspection Guidelines | | | | |
| The following items are generally critical items that must be complying in order for occupancy to take place: | | | | |
| | | All easily accessible electrical boxes closed up | | |
| | | Bathroom and kitchen plumbing fixtures in place | | |
| | | Smoke detectors | | |
| | | Guardrails | | |
| | | Steps and handrails | | |
| | | 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 | | | | |
| | | Caulking | | |
| | | Final Grade | | |