

2006 NC Residential Code Errata

The following notes are from the 7/12/07 Residential Ad-Hoc Meeting. The purpose of this meeting was to review the *2006 NC Residential Code (2003 IRC with North Carolina Amendments - First Printing)*. We compared *this code* to the *2006 NC amendments to the 2003 International Residential Code* that this committee had completed earlier. There was no attempt to make changes to our previous work, but rather to make corrections, as errata.

R102.5 Appendices. Provisions in the appendices shall not apply unless specifically referenced in the ~~adopting ordinance~~ text of this code.

~ Delete the words “adopting ordinance” and replace with “text of this code”.

R202: DEFINITIONS

ACCESSORY BUILDINGS. *In one and two family dwellings not more than three stories high with separate means of egress, a building, the use of which is incidental to that of the main building and which is detached and located on the same lot.*

~ Insert the word “In” at the beginning of the sentence.

FIGURE R301.2(4)-continued (Page 25)

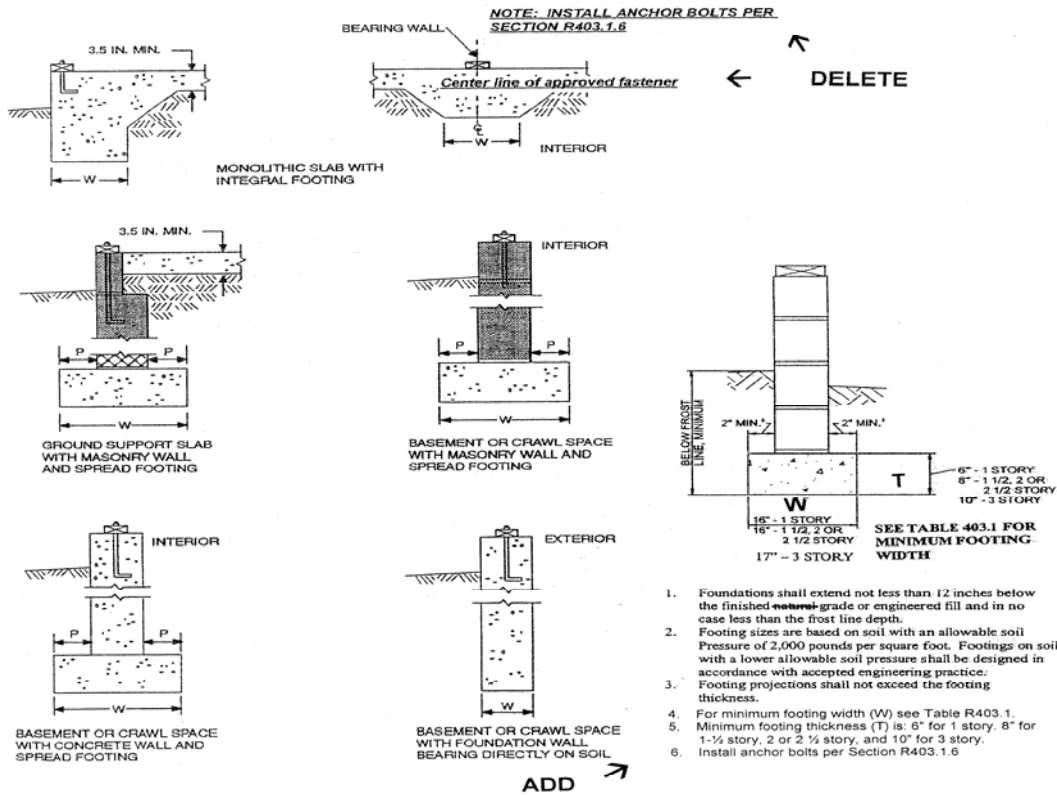
~ Note 2: Hyde County - US Route 246 should be US Route 264. (Two places)

~ Note 5: Pamlico County - Hwy 304 should be Hwy 306. (Two places)

320.4.4 Slab-on-grade (structural). All slabs which distribute the wall loads to the foundation shall be insulated as specified in Section R320.4 and Appendix O. Foam plastic shall be installed along the vertical edge and underneath the slab grade as specified in ~~Section R320.4~~ Appendix O figure O-3.

~ The end of the sentence should read as follows: ...underneath the slab grade as specified in ~~Section R320.4~~ Appendix O, Fig O-3.

FIGURE R403.1(1)



For SI: 1 inch = 25.4 mm.

FIGURE R403.1(1)
CONCRETE AND MASONRY FOUNDATION DETAILS

- ~ Delete the note at the top of the figure – “NOTE: INSTALL ANCHOR BOLTS PER SECTION R403.1.6. This is included in Note 6 at the bottom of the page.
- ~ Top center figure – delete the words “Center line of approved fastener”.
- ~ In note #1, the word “natural” should be deleted.
- ~ Notes 4,5 & 6 are missing from the figure:
 4. For minimum footing width (W) see TABLE R403.1.
 5. Minimum footing thickness (T) is: 6” for 1 story, 8” for 1 ½, 2, or 2 ½ story, and 10” for 3 story.
 6. Install anchor bolts per Section R403.1.6.

TABLE R403.1 - MINIMUM WIDTH OF CONCRETE OR MASONRY FOOTINGS

~ Footnote b should be underlined and only applies where 16 is underlined.

403.1.4 Minimum depth. All exterior footings and foundation systems shall extend below the frost line specified in Table R301.2(1). In no case shall the bottom of the exterior footings be less than 12 inches below finish grade.

Exception: Frost protected footings constructed in accordance with Section R403.3 and footings and foundations erected on solid rock shall not be required to extend below the frost line.

~~~Delete the paragraph under *Exceptions: In Seismic Design Categories D<sub>1</sub> and D<sub>2</sub>, interior footings supporting bearing walls or bracing walls and cast monolithically with a slab on grade shall extend to a depth of not less than 18 inches (457 mm) below the top of the slab. Categories D<sub>1</sub> and D<sub>2</sub> are not applicable in North Carolina.*~~

**R404.1.5.1 Pier and curtain walls.** Curtain walls 4 inch (nominal) minimum thickness between piers and bonded into piers supported on concrete footings poured integrally with pier footings may be used for frame construction and for masonry veneer frame construction not more than 2 stories in height subject to the following limitations:

1. All load-bearing walls shall be placed on continuous concrete footings placed integrally with the exterior wall footings.
2. The minimum actual thickness of a load-bearing masonry wall shall be not less than 4 inches (102 mm) nominal or 3 3/8 inches (92 mm) actual thickness, and shall be bonded integrally with piers spaced in accordance with Section R606.8.
3. Piers shall be constructed in accordance with Section R606.5 and Section R606.5.1, and shall be bonded into the load-bearing masonry wall in accordance with Section R608.1.1 or Section R608.1.1.2.
4. The maximum height of a 4-inch (102 mm) load-bearing masonry foundation wall supporting wood framed walls and floors shall not be more than 6 feet (1829 mm) in height.
5. Anchorage shall be in accordance with R403.1.6, ~~Figure R404.1.5(1)~~, or as specified by engineered design accepted by the building official.
6. The unbalanced fill for 4-inch (102 mm) foundation walls shall not exceed 24 inches (610 mm) for solid masonry or 16 inches (406 mm) for hollow masonry.
7. Pier size shall be based on Table 403.1(a).
8. See Chapter 44 for special anchorage and reinforcement in high wind zones.

~~~ Correct as follows: 5. (Figure R404.1.5(1) was deleted)~~

Table R404.2.3 PLYWOOD GRADE AND THICKNESS FOR WOOD FOUNDATION CONSTRUCTION

~~~ Footnote d. needs to be added.~~

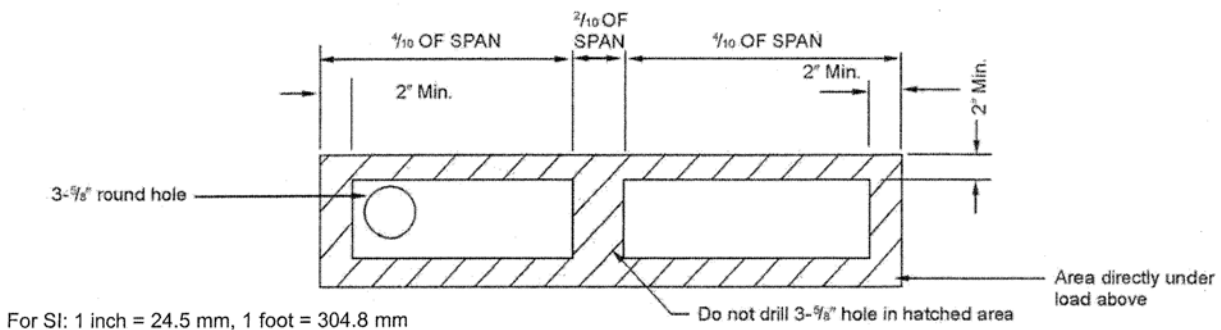
~~d. Fastening shall be in accordance with Section R319.3.~~

**406.1 Concrete and masonry foundation dampproofing**

Foundation walls where the outside grade is higher than the inside grade, except where required to be waterproofed by Section R406.2, foundation walls that retain earth and enclose habitable or usable spaces located below grade shall be dampproofed from the top of the footing to the finished grade. Masonry walls shall have not less than 3/8 inch (9.5 mm) portland cement paring applied to the exterior of the wall. The foundation walls shall be dampproofed with a bituminous coating, 3 pounds per square yard (1.63 kg/m<sup>2</sup>) of acrylic modified cement, 1/8-inch (3.2 mm) coat of surface-bonding mortar complying with ASTM C 887 or any material permitted for waterproofing in Section R406.2. Concrete walls shall be dampproofed by applying any one of the above listed dampproofing materials or any one of the waterproofing materials listed in Section R406.2 to the exterior of the wall.

~ 2006 NC Residential Code copy does not show deletions

**Figure 502.8(a) ACCEPTABLE LOCATION OF 3 5/8 Inch DIAMETER HOLE IN 2 x 10 JOIST**



1. Do not drill in center  $\frac{2}{10}$ 's of joist span.
2. Do not drill directly under load bearing walls at ends.
3. Do not drill closer than 2" to top or bottom edge.
4. Apply 4'-0" joist width x  $\frac{1}{2}$ " CDX plywood with face grain running with joist to both sides using ~~XX~~ nails or  $1\frac{1}{2}$ " screws 1" from top and bottom 4" o.c..
5. Holes shall not be closer than 2'-0" o.c. within unhatched area only.
6. Plywood shall be attached such that 2' minimum of plywood is on each side of the hole location, except when the hole is located within 2 feet of end joist.

ADD ↓

**FIGURE R502.8(a)**  
**ACCEPTABLE LOCATION OF 3 5/8-inch DIAMETER HOLE IN 2 x 10 JOIST**

**FIGURE R502.8(a)**

~ In note #4, delete XX nails and insert 6d nails.

**R502.8 Drilling and notching.** Structural floor members shall not be cut, bored or notched in excess of the limitations specified in this section. See Figures R502.8 and R502.8(a).

~ Add reference to Figure 502.8(a)

# Table R503.2.1.1(1) ALLOWABLE SPANS AND LOADS FOR WOOD STRUCTURAL PANELS FOR ROOF AND SUBFLOOR SHEATHING AND COMBINATION SUBFLOOR UNDERLAYMENT

FLOORS

TABLE R503.2.1.1(1)  
ALLOWABLE SPANS AND LOADS FOR WOOD STRUCTURAL PANELS FOR ROOF  
AND SUBFLOOR SHEATHING AND COMBINATION SUBFLOOR UNDERLAYMENT<sup>a,b,c</sup>

| ADD ↓<br>SPAN RATING                                 | MINIMUM NOMINAL<br>PANEL THICKNESS<br>(inch) | MAXIMUM SPAN<br>(inches)       |                      | LOAD (pounds per square foot, at<br>maximum span) |           | MAXIMUM SPAN<br>(inches)                          |
|------------------------------------------------------|----------------------------------------------|--------------------------------|----------------------|---------------------------------------------------|-----------|---------------------------------------------------|
|                                                      |                                              | With edge support <sup>e</sup> | Without edge support | Total load                                        | Live load |                                                   |
| Sheathing <sup>d</sup>                               |                                              | Roof <sup>f</sup>              |                      |                                                   |           | Subfloor <sup>g</sup>                             |
| 12/0                                                 | $\frac{5}{16}$                               | 12                             | 12                   | 40                                                | 30        | 0                                                 |
| 16/0                                                 | $\frac{7}{16}$                               | 16                             | 16                   | 40                                                | 30        | 0                                                 |
| 20/0                                                 | $\frac{5}{8}$                                | 20                             | 20                   | 40                                                | 30        | 0                                                 |
| 24/0                                                 | $\frac{3}{4}$                                | 24                             | 20 <sup>h</sup>      | 40                                                | 30        | 0                                                 |
| 24/16                                                | $\frac{7}{16}$                               | 24                             | 24                   | 50                                                | 40        | 16                                                |
| 32/16                                                | $\frac{15}{32}, \frac{1}{2}$                 | 32                             | 28                   | 40                                                | 30        | 16 <sup>i</sup>                                   |
| 40/20                                                | $\frac{9}{32}, \frac{5}{8}$                  | 40                             | 32                   | 40                                                | 30        | 20 <sup>h,j</sup>                                 |
| 48/24                                                | $\frac{25}{32}, \frac{3}{4}$                 | 48                             | 36                   | 45                                                | 35        | 24                                                |
| 60/32                                                | $\frac{7}{8}$                                | 60                             | 48                   | 45                                                | 35        | 32                                                |
| Underlayment, C-C plugged, single floor <sup>k</sup> |                                              | Roof <sup>f</sup>              |                      |                                                   |           | Combination subfloor<br>underlayment <sup>l</sup> |
| 16 o.c.                                              | $\frac{9}{32}, \frac{3}{8}$                  | 24                             | 24                   | 50                                                | 40        | 16 <sup>j</sup>                                   |
| 20 o.c.                                              | $\frac{9}{32}, \frac{5}{8}$                  | 32                             | 32                   | 40                                                | 30        | 20 <sup>h</sup>                                   |
| 24 o.c.                                              | $\frac{25}{32}, \frac{3}{4}$                 | 48                             | 36                   | 35                                                | 25        | 24                                                |
| 32 o.c.                                              | $\frac{7}{8}$                                | 48                             | 40                   | 50                                                | 40        | 32                                                |
| 48 o.c.                                              | $1\frac{1}{32}, 1\frac{1}{8}$                | 60                             | 48                   | 50                                                | 40        | 48                                                |

For SI: 1 inch = 25.4 mm, 1 pound per square foot = 0.0479 kN/m<sup>2</sup>.

- The allowable total loads were determined using a dead load of 10 psf. If the dead load exceeds 10 psf, then the live load shall be reduced accordingly.
- Panels continuous over two or more spans with long dimension perpendicular to supports. Spans shall be limited to values shown because of possible effect of concentrated loads.
- Applies to panels 24 inches or wider.
- Lumber blocking, panel edge clips (one midway between each support, except two equally spaced between supports when span is 48 inches), tongue-and-groove panel edges, or other approved type of edge support.
- Includes Structural 1 panels in these grades.
- Uniform load deflection limitation:  $\frac{1}{180}$  of span under live load plus dead load,  $\frac{1}{240}$  of span under live load only.
- Maximum span 24 inches for  $\frac{15}{32}$ - and  $\frac{1}{2}$ -inch panels.
- Maximum span 24 inches where  $\frac{3}{8}$ -inch wood finish flooring is installed at right angles to joists.
- Maximum span 24 inches where 1.5 inches of lightweight concrete or approved cellular concrete is placed over the subfloor.
- Unsupported edges shall have tongue-and-groove joints or shall be supported with blocking unless minimum nominal  $\frac{1}{4}$ -inch thick underlayment with end and edge joints offset at least 2 inches or 1.5 inches of lightweight concrete or approved cellular concrete is placed over the subfloor, or  $\frac{3}{4}$ -inch wood finish flooring is installed at right angles to the supports. Allowable uniform live load at maximum span, based on deflection of  $\frac{1}{360}$  of span, is 100 psf.
- Unsupported edges shall have tongue-and-groove joints or shall be supported by blocking unless nominal  $\frac{1}{4}$ -inch-thick underlayment with end and edge joints offset at least 2 inches or  $\frac{3}{4}$ -inch wood finish flooring is installed at right angles to the supports. Allowable uniform live load at maximum span, based on deflection of  $\frac{1}{360}$  of span, is 100 psf, except panels with a span rating of 48 on center are limited to 65 psf total uniform load at maximum span.

~ In the first column – SPAN RATING, insert ROOF/FLOOR.

## Table R602.3(1) FASTENER SCHEDULE FOR STRUCTURAL MEMBERS

~ In the column “Ledger strip”, the nail diameter 0.031” should be changed to 0.131”.

# FIGURE R602.3(2)

~ The drawing showing let-in-bracing, does not actually show the 1x4 cut into the studs.

**TABLE 703.4**

## WEATHER RESISTANT SIDING ATTACHMENT AND MINIMUM THICKNESS

| SIDING MATERIAL                             |                    | NOMINAL THICKNESS <sup>a</sup> (inches) | JOINT TREATMENT | SHEATHING PAPER REQUIRED |
|---------------------------------------------|--------------------|-----------------------------------------|-----------------|--------------------------|
| Horizontal aluminum <sup>b</sup>            | Without insulation | 0.019 <sup>f</sup>                      | Lap             | Yes<br>Note m            |
|                                             |                    | 0.024                                   | Lap             | Yes<br>Note m            |
|                                             | With insulation    | 0.019                                   | Lap             | Yes<br>Note m            |
| Brick veneer                                |                    | 2                                       | Section R703    | Yes                      |
| Concrete masonry veneer                     |                    | 2                                       | Section R703    | Yes                      |
| Hardboard <sup>c</sup>                      |                    |                                         |                 | Yes                      |
| Panel siding-vertical                       |                    | 7/16                                    | Note r          | Note y                   |
| Hardboard <sup>c</sup>                      |                    |                                         |                 | Yes                      |
| Lap-siding-horizontal                       |                    | 7/16                                    | Lap<br>Note r   | Yes                      |
| Steel <sup>d</sup>                          |                    | 29 ga.                                  | Lap             | Yes                      |
| Stone veneer                                |                    | 2                                       | Section R703    | Yes                      |
| Particleboard panels                        |                    | 3/8 – 1/2                               | Note r          | Yes                      |
|                                             |                    | 5/8                                     | Note r          | Yes                      |
| Plywood Panel <sup>e</sup> (exterior grade) |                    | 3/8                                     | Note r          | Yes                      |
| Vinyl siding <sup>g</sup>                   |                    | 0.035                                   | Lap             | Yes<br>Note m            |
| Wood <sup>h</sup> Rustic, drop              |                    | 3/8 Min                                 | Lap             | Yes                      |
| Shiplap                                     |                    | 19/32 Average                           | Lap             | Yes                      |
| Bevel                                       |                    | 7/16                                    | Lap             | Yes                      |
| Butt tip                                    |                    | 3/16                                    | Lap             | Yes                      |
| Fiber cement panel siding <sup>i</sup>      |                    | 5/16                                    | Note t          | Yes<br>Note y            |
| Fiber cement lap siding <sup>i</sup>        |                    | 5/16                                    | Lap<br>Note w   | Yes<br>Note y            |

**Table R703.4**

~ The changes circled above were not noted:

**Column – Horizontal aluminum:** In the sheathing paper required column, all should read, YES, NOTE M.

**Column – Brick veneer/Concrete masonry veneer:** In the sheathing paper required column, delete NOTE M.

**Column – Hardboard Panel siding-vertical:** In the joint treatment column it should be NOTE R, and in the sheathing paper required column it should read, YES, NOTE Y.

**Column – Steel:** In the sheathing paper required column, it should read YES.

**Column – Stone Veneer:** In the sheathing paper required column, NOTE M should be deleted.

**Column – Particleboard panels:** In the joint treatment columns it should read NOTE R, and in the sheathing paper required columns NOTE G should be deleted and it should read YES.

**Column – Vinyl siding:** In the sheathing paper required column it should read YES, NOTE M.

**Columns – Wood Rustic, Drop, Shiplap, Bevel and Butt tip:** In the sheathing paper required column it should read YES.

**Column – Fiber cement lap siding:** In the joint treatment column it should read LAP (keep NOTE W).

## FIGURE R703.7 (Page 200) MASONRY VENEER WALL DETAILS

~ The top figure should be deleted.

~ The word “(continued)” at the bottom of the page should be deleted.

## FIGURE R703.7 (Page 201) MASONRY VENEER WALL DETAILS

~ In the top figure – the note: *Building paper or approved weather-resistant material, should have the footnote “b” inserted.*

### FIGURE R703.7.2.1 EXTERIOR MASONRY SUPPORT BY STEEL ANGLES

~ The note in the figure “ROOF SHEATHING”, has the leader pointing to the steel angle – change to point to the roof sheathing.

### FIGURE R703.7.2.2 EXTERIOR MASONRY SUPPORT BY ROOF MEMBERS

~ In the drawing, *Support by roof members*, the note HOLES IN ANGLE has the leader pointing to the fastener instead of the steel angle showing where the holes would be drilled.

## R806.4 Conditioned attic assemblies

### ROOF-CEILING CONSTRUCTION

#### CHANGE ↓

- 3.2. For wood shingles and shakes, a minimum of continuous  $\frac{1}{4}$ -inch (6 mm) vented airspace separate the shingles/shakes and the roofing felt placed over the structural sheathing.
4. In Zones 3 through 8 as defined in Section N1101.2, sufficient insulation is installed to maintain the monthly average temperature of the condensing surface above 45° F (7° C). The condensing surface is defined as either the structural roof deck or the interior surface of air-impermeable insulation applied in direct contact to the underside/interior of the structural roof deck. “Air impermeable” is quantitatively defined by ASTM E 283. For calculation purposes, the interior temperature of 68° F (20° C) is assumed. The exterior temperature is assumed to be the monthly average outside temperature.

~ 3.2 (delete the word “of”) ...shakes, a minimum of con-....

Second sentence should begin with a capital letter. **T**he condensing....

Change the following to read: ...calculation purposes as **an** interior temp....

Start last sentence with a capital letter. **T**he exterior temp....

## FIGURE R1003.1 FIREPLACE AND CHIMNEY DETAILS

### FIGURE R1003.1

~ Footing bars (shown in the drawing) should be removed.

## N1102.1.10 Air leakage.

**N1102.1.7 Crawl space walls.** Where the floor above a closed crawl space is not insulated, the exterior walls shall be insulated as required by Section R409.8.1. The required insulation value can be determined from Table N1102.1.

Wall insulation can be located on any combination of the outside and inside wall surfaces and within the structural cavities or materials of the wall system. Wall insulation requires that the exterior wall band joist area of the floor frame be insulated. Wall insulation shall begin 3 inches (76 mm) below the top of the masonry foundation wall and shall extend down to 3 inches (76 mm) above the top of the floor or concrete floor; 3 inches (76 mm) above the ground surface or 24 inches (610 mm) below the unfinished ground level, whichever is less.

Termite inspection, clearance and/or wicking gaps are allowed in wall insulation systems. Insulation may be deleted in the gap area without energy penalty. The allowable insulation gap widths are listed in Table N1102.1.7<sup>a</sup>. If gap widths exceed the allowances, one of the following energy compliance options shall be met.

1. Wall insulation is not allowed and the required insulation value shall be provided in the floor system.
2. Compliance shall be demonstrated with energy trade-off methods provided by MecCheck version 3.0 or higher, or Chapter 4 or 5 of the North Carolina Energy Code.

**N1102.1.8 Masonry veneer.** For exterior foundation insulation, that horizontal portion of the foundation that supports a masonry veneer shall not be required to be insulated.

**N1102.1.9 Protection.** Exposed insulating materials applied to the exterior of foundation walls shall be protected. The protection shall extend at least 6 inches (152 mm) below finished grade level.

**N1102.1.10 Air leakage.** All joints, seams, penetrations; site-built windows, doors, and skylights; openings between window and door assemblies and their respective jambs and framing; and other sources of air leakage (infiltration and exfiltration) through the building thermal envelope shall be caulked, gasketed, weatherstripped, wrapped, or otherwise sealed to limit uncontrolled air movement.

**N1102.1.11 Recessed lighting fixtures.** When installed in the building envelope, recessed lighting fixtures shall meet one of the following requirements:

1. Type IC rated, manufactured with no penetrations between the inside of the recessed fixture and ceiling cavity and sealed or gasketed to prevent air leakage into the unconditioned space.
2. Type IC or non-IC rated, installed inside a sealed box constructed from a minimum 0.5-inch-thick (12.7 mm) gypsum wallboard or constructed from a preformed polymeric vapor barrier, or other air-tight as-

### N1102.1.10 Air leakage.

*~ This should have been replaced with the wording in 602.1.10, NC Energy Code.*

~~All joints, seams, penetrations; site-built windows, doors, and skylights; openings between window and door assemblies and their respective jambs and framing; and other sources of air leakage (infiltration and exfiltration) through the building thermal envelope shall be caulked, gasketed, weatherstripped, wrapped, or otherwise sealed to limit uncontrolled air movement.~~

All penetrations; site-built windows, doors, and skylights; openings between window and door assemblies and their respective jambs and framing; and other sources of air leakage (infiltration and exfiltration) through the building thermal envelope shall be caulked, gasketed, weatherstripped, wrapped or otherwise sealed to limit uncontrolled air movement.

This includes sealing around tubs and showers, at the attic and crawl space panels, at recessed lights and around all plumbing and electrical penetrations. These are openings located in the building envelope between conditioned space and unconditioned space or between the conditioned space and the outside.

# Table N1103.3 MINIMUM DUCT INSULATION

ADD ↓

TABLE N1103.3  
MINIMUM DUCT INSULATION<sup>a</sup>

| ANNUAL HEATING DEGREE DAYS | INSULATION R-VALUE (h · ft <sup>2</sup> · °F)/Btu <sup>d</sup> |        |                                                                                                      |                     |
|----------------------------|----------------------------------------------------------------|--------|------------------------------------------------------------------------------------------------------|---------------------|
|                            | Ducts in unconditioned attics or outside building              |        | Ducts in unconditioned basements, crawl spaces, garages, and other unconditioned spaces <sup>e</sup> |                     |
|                            | Supply                                                         | Return | Supply                                                                                               | Return <sup>b</sup> |
| < 1,500                    | 8                                                              | 4      | 4                                                                                                    | 0                   |
| 1,500 to 3,500             | 8                                                              | 4      | 6                                                                                                    | 2                   |
| 3,501 to 7,500             | 8                                                              | 4      | 8                                                                                                    | 2                   |
| > 7,500                    | 11                                                             | 6      | 11                                                                                                   | 2                   |

For SI: °C= [(°F)-32]/1.8, 1 (h·ft<sup>2</sup>·°F)/Btu= 0.176 (m<sup>2</sup>·K)/W, 1 foot= 304.5 mm.

a. Insulation R-values shown are for the insulation as installed and do not include film resistance. The required minimum R-values do not consider water vapor transmission and condensation. Where control of condensation is required, additional insulation, vapor retarders or both shall be provided to limit vapor transmission and condensation. For ducts that are designed to convey both heated and cooled air, duct insulation shall be as required by the most restrictive condition. Where exterior walls are used as plenums, wall insulation shall be as required by the most restrictive condition of this section.

b. Insulation on return ducts in basements is not required.

c. Unconditioned spaces include ventilated crawl spaces and framed cavities in those floors, wall and ceiling assemblies which separate conditioned space from unconditioned space or outside air, and are uninsulated on the side facing away from the condition space.

d. Insulation resistance measured on a horizontal plane in accordance with ASTM C 518, at a mean temperature of 75°F.

## Table N1103.3

~The first column of the table is missing.

|       |  |
|-------|--|
| ZONE  |  |
| 1-3   |  |
| 4-7   |  |
| 8-14  |  |
| 15-17 |  |

## CAPTER 44 - HIGH WIND ZONES

**4403.2.2 Continuous width footings.** Uniform continuous width footings for pier and curtain wall foundations shall be a minimum of 8 inches thick and 24 inches wide. Footings shall be reinforced with three #4 bars (or two #5 bars) at 3 inches above the bottom of the footing. The bars shall be continuous or lapped 25 inches at all splices.

~ In the fourth sentence add the word "three". ....with three No. 4 bars (or .....

**4403.3 Footing dowels.** All footings shall have dowels to match reinforcing in the foundation wall or pier above (See Section 4404.1.1 and 4404.3). Dowels shall have a standard hook embedded in the footing and shall lap the wall or pier reinforcing at least 25 inches for a No. 5 reinforcing bar.

~ Left out 2002 NC language "...and shall lap the wall or pier reinforcing..."

## FIGURE 4406.5 GABLE ENDWALL BALLOON FRAMING PREFERRED METHOD

~ Change references at the top of the figure : Table 602.3.(1); Footnote G –not 7

## **FIGURE 4406.7(b) GABLE END OVERHANG**

~ Remove "Galvanized Metal" wording

## **FIGURE 4406.8 ROOF SHEATHING ATTACHMENT PLAN**

~ Change NOTE 3: structural sheathing panel thickness from 7/16" minimum thickness to 3/8"

## **FIGURE 4407.1(a) REQUIREMENTS FOR REINFORCED GROUTED MASONRY CONSTRUCTION WHERE WIND ZONES ARE 120 MPH OR GREATER**

~ Change Section reference in Note from 604.11 to 606.12

## **FIGURE 4407.1(a) REQUIREMENTS FOR REINFORCED HOLLOW-UNIT MASONRY CONSTRUCTION WHERE WIND ZONES ARE 120 MPH OR GREATER**

~ Change Lintel Steel Section reference from 604.9 to 606.9

~ Change Metal Ties Section reference from 604.10C to 606.12

# **CHAPTER 45 - COASTAL AND FLOOD PLAIN CONSTRUCTION STANDARDS**

## **Section 4502 Definitions**

~ *Coastal High Hazard Area was typed incorrectly and Ocean Hazard was not included. It should read as follows:*

Coastal High Hazard Area. An area subject to coastal flooding and high velocity waters including storm wave wash, as shown by Federal Emergency Management Agency Maps and subject to approval of the Building Code Council.

Ocean Hazard Area. An area, as identified by the North Carolina Coastal Resources Commission, and subject to approval by the Building Code Council, near the shoreline of the Atlantic Ocean which has been identified as subject to at least one of the following hazards: (A) Historical or predicted future trends of long term erosion, (B) erosion expected to occur during a coastal storm reaching the base flood elevation, or (C) shoreline fluctuations due to tidal inlets.

## **4503.6 Tying and bracing ~~and~~ of wood piles.**

~ Correct the heading as shown above.



## **FIGURE 4505.3(a) TWO STORY WALL SECTION (TYPICAL)**

~ Change the center note as follows:  
SOLID BLOCKING AT  
ALL SHEATHING EDGES  
WHERE REQUIRED.  
SEE SECTION ~~4006~~ **4406**  
AND TABLE 4405(b)

## **FIGURE 4505.3(b)**

~ At the bottom of the figure, delete the sentence: ~~TWO STORY WALL SECTION (TYPICAL)~~

## **APPENDIX M - WOOD DECKS**

**Page 340 - D. #5.**

- D. Other means of support such as joist hangers may be connected to treated house band and properly flashed.
- 5. Girders shall bear directly on posts or be connected to the side of posts with  $2\frac{3}{8}$ -inch (66 mm) hot dipped galvanized bolts.
- 6. Floor decking shall be No. 2 grade treated Southern Pine or equivalent. The minimum floor decking thickness shall be as follows:

Hot dipped galvanized bolts should read 2 – 5/8 hot dipped galvanized bolts.

~ #7. Correct table as follows:

| Post Size* | Max. Post Height*** |
|------------|---------------------|
| 4x4        | 8'-0"               |
| 6x6        | 20'-0"              |
| 16" o.c.   | 1" T & G            |
| 24" o.c.   | 1 1/4" S4S          |
| 32" o.c.   | 2" S4S              |

**Page 341 - Walkways over dunes or berms in ocean hazard areas.**

~ A double asterisk needs to be added next to the stairways at the ocean shoreline in the drawing

**#9 Add reference to Table R502.3.3(2)**