REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: All Rules Submitted

DEADLINE FOR RECEIPT: Wednesday, November 4, 2020

***PLEASE NOTE:** This request may extend to several pages. Please be sure you have reached the end of the document.*

The Rules Review Commission staff has completed its review of this Rule prior to the Commission's next meeting. The Commission has not yet reviewed this Rule and therefore there has not been a determination as to whether the Rule will be approved. You may call our office to inquire concerning the staff recommendation.

In reviewing this Rule, the staff recommends the following technical changes be made:

On the Submission for Permanent Rule form, Box 6, the Notice of Text for these rules was published on June 1, 2020. Please change the date on all forms.

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina 27609.

Amanda J. Reeder
Commission Counsel
Date submitted to agency: October 21, 2020

REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: NC Building Code, 705.12

DEADLINE FOR RECEIPT: Wednesday, November 4, 2020

The Rules Review Commission staff has completed its review of this Rule prior to the Commission's next meeting. The Commission has not yet reviewed this Rule and therefore there has not been a determination as to whether the Rule will be approved. You may call our office to inquire concerning the staff recommendation.

In reviewing this Rule, the staff recommends the following technical changes be made:

What is "securely" attached? Is this known?

Please note that currently in the Code, Numbers 1 through 5 end with semicolons, not commas.

In Exception 1, the addition of "or" after "grade" is also new. Please underline it.

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina 27609.

Amanda J. Reeder
Commission Counsel
Date submitted to agency: October 21, 2020

SUBMISSION FOR PERMANENT RULE

2018 NC Residential Code
705.12. (200310 Item B-8)

705.12 Soffit in Group R.
In Group R buildings of combustible construction, the soffit material shall be securely attached to framing members and shall be constructed using one of the following methods:

1. Non-combustible soffit material,
2. Fire retardant treated soffit material,
3. Vinyl soffit installed over 3/4-inch wood sheathing,
4. Vinyl soffit installed over 5/8-inch gypsum board,

5. Aluminum soffit installed over 3/4-inch wood sheathing, or
6. Aluminum soffit installed over 5/8-inch gypsum board.

Venting requirements shall apply to both soffit and underlayment and shall be per Section 1203.2. ~~Vent openings shall not be located within 5 feet horizontally of any unprotected wall opening located within 3 feet vertically below the soffit.~~

Exceptions:
1. Vinyl and aluminum soffit material may be installed without wood sheathing or gypsum backing board if the exterior wall finish is noncombustible for a minimum distance of 10 feet above finished grade or the *building* is equipped throughout with an *automatic sprinkler system* in accordance with 903.3.1.1.
2. ~~Location of vent openings in soffits shall not be limited in buildings equipped throughout with an automatic sprinkler system complying with Section 903.3.1.1.~~ Detached one- and two- family dwellings and townhouses.

REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: NC Residential Code, R202

DEADLINE FOR RECEIPT: Wednesday, November 4, 2020

The Rules Review Commission staff has completed its review of this Rule prior to the Commission's next meeting. The Commission has not yet reviewed this Rule and therefore there has not been a determination as to whether the Rule will be approved. You may call our office to inquire concerning the staff recommendation.

In reviewing this Rule, the staff recommends the following technical changes be made:

On the Submission for Permanent Rule form, Box 2, please state "Section R202"

In Box 9B, I am simply asking – the explanation provided here differs from what was published in the June 1 Register. Is this the correct explanation?

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina 27609.

Amanda J. Reeder
Commission Counsel
Date submitted to agency: October 21, 2020

SUBMISSION FOR PERMANENT RULE

2018 NC Residential Code
202 Definitions. (200310 Item B-7)

Family. Family is an individual, two or more persons related by blood, marriage or law, or a group of not more than any ~~five~~ eight persons living together in a *dwelling unit*. Servants having common housekeeping facilities with a family consisting of an individual, or more persons related by blood, marriage or law, are a part of the family for this code.

REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: NC Residential Code, R302.1.1

DEADLINE FOR RECEIPT: Wednesday, November 4, 2020

The Rules Review Commission staff has completed its review of this Rule prior to the Commission's next meeting. The Commission has not yet reviewed this Rule and therefore there has not been a determination as to whether the Rule will be approved. You may call our office to inquire concerning the staff recommendation.

In reviewing this Rule, the staff recommends the following technical changes be made:

With the change from 10 feet to 5 feet, please change "(3048 mm)" to "(1524 mm)" both places.

What is "securely" attached? Is this known?

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina 27609.

Amanda J. Reeder
Commission Counsel
Date submitted to agency: October 21, 2020

SUBMISSION FOR PERMANENT RULE

2018 NC Residential Code
R302.1.1. (200310 Item B-10)

R302.1.1 Soffit protection. In construction using vinyl or aluminum soffit material, the following application shall apply. Soffit assemblies located on buildings with less than a ~~**10**~~ **5** feet (3048 mm) fire separation distance shall be securely attached to framing members and applied over fire-retardant-treated wood, 23/32-inch (18.3 mm) wood sheathing or 5/8-inch (15.9 mm) exterior grade or moisture resistant gypsum board. Venting requirements shall be provided in both soffit and underlayments. Vents shall be either nominal 2-inch (51 mm) continuous or equivalent intermittent and shall not exceed the minimum net free air requirements established in Section R806.2 by more than 50 percent. *Townhouse* construction shall meet the additional requirements of Sections R302.2.5 and R302.2.6.

Exceptions:

1. Any portion of soffits having ~~**10**~~ **5** feet (3048 mm) or more *fire separation distance*.

2. Roof rake lines where the soffit does not communicate to the attic are not required to be protected per this section.

3. Soffits with less than 3 feet (914 mm) *fire separation distance* shall meet the projection fire rating requirements of Table R302.1.

4. Soffits between buildings located on the same lot.

REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: NC Residential Code, Table R602.10.3

DEADLINE FOR RECEIPT: Wednesday, November 4, 2020

The Rules Review Commission staff has completed its review of this Rule prior to the Commission's next meeting. The Commission has not yet reviewed this Rule and therefore there has not been a determination as to whether the Rule will be approved. You may call our office to inquire concerning the staff recommendation.

In reviewing this Rule, the staff recommends the following technical changes be made:

When you publish the Code, please be sure to italicize "Wood Structural Panel Sheathing"

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina 27609.

Amanda J. Reeder
Commission Counsel
Date submitted to agency: October 21, 2020

SUBMISSION FOR PERMANENT RULE

2018 NC Residential Code
Tables R602.3(3), R602.10.1 and R602.10.3, (200310 Item B-11)

Table R602.10.3
REQUIRED LENGTH OF BRACING ALONG EACH SIDE OF A CIRCUMSCRIBED RECTANGLE[a,b,c,d,e,f,g,h]

7/16-inch Wood Structural Panel Sheathing with ½-inch gypsum on inside wall
Panels are blocked
Nails to be 8d common or galvanized box (2-1/2 inches long X 0.113-inch diameter)
6-inch nail spacing on edges and 6-inch nail spacing in field
Each story is 10 feet maximum
Maximum stud spacing of 24 inches
Maximum roof slope 12:12
Building length to width ratio is 2

SUBMISSION FOR PERMANENT RULE

WIND SPEED	EAVE TO RIDGE HEIGHT (feet)	STORIES SUPPORTED	WALL PERPENDICULAR TO WIND (Wall Wind Loads) Building Width in Feet														
			10	~~15~~	20	~~25~~	30	~~35~~	40	~~45~~	50	~~55~~	60	~~65~~	70	~~75~~	80
			Length (ft) of Braced Panel in Each Exterior Wall														
115	10	Roof Only	~~2.0~~ 1.6	~~2.0~~	~~2.5~~ 3.2	~~3.0~~	~~3.5~~ 4.8	~~4.0~~	~~4.5~~ 6.4	~~5.0~~	~~5.5~~ 8.0	~~6.0~~	~~6.5~~ 9.6	~~7.0~~	~~7.5~~ 11.2	~~8.0~~	~~8.5~~ 12.8
		Roof +1 story	~~3.0~~ 2.9	~~4.0~~	~~5.5~~ 5.9	~~6.5~~	~~8.0~~ 8.8	~~9.0~~	~~10.0~~ 11.8	~~11.0~~	~~12.5~~ 14.7	~~13.5~~	~~14.5~~ 17.7	~~16.0~~	~~17.0~~ 20.6	~~18.0~~	~~19.0~~ 23.6
		Roof +2 stories	~~4.5~~ 4.4	~~6.5~~	~~8.5~~ 8.8	~~10.5~~	~~12.0~~ 13.2	~~14.0~~	~~16.0~~ 17.7	~~17.5~~	~~19.5~~ 22.1	~~21.0~~	~~23.0~~ 26.5	~~24.5~~	~~26.5~~ 30.9	~~28.5~~	~~30.0~~ 35.3
	15	Roof Only	2.0	~~2.0~~	~~3.0~~ 4.0	~~3.5~~	~~4.0~~ 6.1	~~4.5~~	~~5.5~~ 8.1	~~6.0~~	~~6.5~~ 10.1	~~7.0~~	~~8.0~~ 12.1	~~8.5~~	~~9.0~~ 14.2	~~9.5~~	~~10.0~~ 16.2
		Roof +1 story	~~3.5~~ 3.3	~~4.5~~	~~6.0~~ 6.6	~~7.0~~	~~8.5~~ 10.0	~~9.5~~	~~11.0~~ 13.3	~~12.0~~	~~13.5~~ 16.6	~~15.0~~	~~16.0~~ 19.9	~~17.5~~	~~18.5~~ 23.3	~~20.0~~	~~21.0~~ 26.6
		Roof +2 stories	~~5.0~~ 4.8	~~7.0~~	~~9.0~~ 9.6	~~11.0~~	~~13.0~~ 14.5	~~15.0~~	~~16.5~~ 19.3	~~18.5~~	~~20.5~~ 24.1	~~22.5~~	~~24.5~~ 28.9	~~26.0~~	~~28.0~~ 33.8	~~30.0~~	~~32.0~~ 38.6
	20	Roof Only	~~2.0~~ 2.4	~~2.5~~	~~3.5~~ 4.7	~~4.0~~	~~4.5~~ 7.1	~~5.5~~	~~6.0~~ 9.4	~~7.0~~	~~7.5~~ 11.8	~~8.5~~	~~9.0~~ 14.2	~~10.0~~	~~10.5~~ 16.5	~~11.5~~	~~12.0~~ 18.9
		Roof +1 story	~~3.5~~ 3.7	~~5.0~~	~~6.5~~ 7.4	~~8.0~~	~~9.0~~ 11.1	~~10.5~~	~~12.0~~ 14.8	~~13.5~~	~~14.5~~ 18.5	~~16.0~~	~~17.5~~ 22.2	~~18.5~~	~~20.0~~ 25.9	~~21.5~~	~~23.0~~ 29.6
		Roof +2 stories	~~5.0~~ 5.2	~~7.5~~	~~9.5~~ 10.5	~~11.5~~	~~13.5~~ 15.7	~~15.5~~	~~17.5~~ 20.9	~~19.5~~	~~21.5~~ 26.2	~~23.5~~	~~25.5~~ 31.4	~~27.5~~	~~29.5~~ 36.6	~~31.5~~	~~33.5~~ 41.9
120	10	Roof Only	~~2.0~~ 1.8	~~2.0~~	~~2.5~~ 3.7	~~3.0~~	~~3.5~~ 5.5	~~4.0~~	~~5.0~~ 7.4	~~5.5~~	~~6.0~~ 9.2	~~6.5~~	~~7.0~~ 11.0	~~7.5~~	~~8.0~~ 12.9	~~8.5~~	~~9.0~~ 14.7
		Roof +1 story	~~3.5~~ 3.2	~~4.5~~	~~6.0~~ 6.4	~~7.0~~	~~8.5~~ 9.7	~~9.5~~	~~11.0~~ 12.9	~~12.0~~	~~13.5~~ 16.1	~~14.5~~	~~16.0~~ 19.3	~~17.0~~	~~18.5~~ 22.6	~~19.5~~	~~21.0~~ 25.8
		Roof +2 stories	~~5.0~~ 4.8	~~7.0~~	~~9.5~~ 9.6	~~11.5~~	~~13.0~~ 14.4	~~15.0~~	~~17.0~~ 19.3	~~19.0~~	~~21.0~~ 24.1	~~23.0~~	~~25.0~~ 28.9	~~27.0~~	~~29.0~~ 33.7	~~31.0~~	~~32.5~~ 38.5
	15	Roof Only	~~2.0~~ 2.2	~~2.5~~	~~3.0~~ 4.4	~~3.5~~	~~4.5~~ 6.6	~~5.0~~	~~6.0~~ 8.8	~~6.5~~	~~7.0~~ 11.0	~~8.0~~	~~8.5~~ 13.2	~~9.0~~	~~10.0~~ 15.4	~~10.5~~	~~11.0~~ 17.6
		Roof +1 story	~~3.5~~ 3.6	~~5.0~~	~~6.5~~ 7.3	~~8.0~~	~~9.0~~ 10.9	~~10.5~~	~~12.0~~ 14.5	~~13.5~~	~~14.5~~ 18.2	~~16.0~~	~~17.5~~ 21.8	~~19.0~~	~~20.0~~ 25.4	~~21.5~~	~~23.0~~ 29.1
		Roof +2 stories	~~5.5~~ 5.3	~~7.5~~	~~10.0~~ 10.5	~~12.0~~	~~14.0~~ 15.8	~~16.0~~	~~18.0~~ 21.0	~~20.0~~	~~22.5~~ 26.3	~~24.5~~	~~26.5~~ 31.6	~~28.5~~	~~30.5~~ 36.8	~~32.5~~	~~34.5~~ 42.1
	20	Roof Only	~~2.0~~ 2.6	~~3.0~~	~~3.5~~ 5.1	~~4.5~~	~~5.0~~ 7.7	~~6.0~~	~~6.5~~ 10.3	~~7.5~~	~~8.5~~ 12.8	~~9.0~~	~~10.0~~ 15.4	~~10.5~~	~~11.5~~ 18.0	~~12.5~~	~~13.0~~ 20.5
		Roof +1 story	4.0	~~5.5~~	~~7.0~~ 8.1	~~8.5~~	~~10.0~~ 12.1	~~11.5~~	~~13.0~~ 16.2	~~14.5~~	~~16.0~~ 20.2	~~17.5~~	~~19.0~~ 24.3	~~20.5~~	~~22.0~~ 28.3	~~23.5~~	~~25.0~~ 32.4
		Roof +2 stories	~~5.5~~ 5.7	~~8.0~~	10.5 11.4	~~12.5~~	14.5 17.1	~~17.0~~	~~19.0~~ 22.8	~~21.5~~	~~23.5~~ 28.5	~~25.5~~	~~28.0~~ 34.2	~~30.0~~	~~32.0~~ 39.9	~~34.5~~	~~36.0~~ 45.6
130	10	Roof Only	~~2.0~~ 2.2	~~2.5~~	~~3.0~~ 4.3	~~3.5~~	~~4.5~~ 6.5	~~5.0~~	~~5.5~~ 8.6	~~6.5~~	~~7.0~~ 10.8	~~7.5~~	~~8.0~~ 12.9	~~9.0~~	~~9.5~~ 15.1	~~10.0~~	~~11.0~~ 17.3
		Roof +1 story	~~4.0~~ 3.8	~~5.5~~	~~7.0~~ 7.6	~~8.5~~	~~10.0~~ 11.4	~~11.5~~	~~13.0~~ 15.1	~~14.5~~	~~16.0~~ 18.9	~~17.5~~	~~18.5~~ 22.7	~~20.0~~	~~21.5~~ 26.5	~~23.0~~	~~24.5~~ 30.3
		Roof +2 stories	~~6.0~~ 5.7	~~8.5~~	~~11.0~~ 11.4	~~13.0~~	~~15.5~~ 17.0	~~18.0~~	~~20.0~~ 22.7	~~22.5~~	~~24.5~~ 28.4	~~27.0~~	~~29.5~~ 34.1	~~31.5~~	~~34.0~~ 39.8	~~36.0~~	~~38.5~~ 45.5
	15	Roof Only	~~2.0~~ 2.6	~~3.0~~	~~3.5~~ 5.2	~~4.5~~	~~5.0~~ 7.7	~~6.0~~	~~7.0~~ 10.3	~~7.5~~	~~8.5~~ 12.9	~~9.0~~	~~10.0~~ 15.5	~~10.5~~	~~11.5~~ 18.1	~~12.5~~	~~13.0~~ 20.7
		Roof +1 story	~~4.0~~ 4.3	~~6.0~~	~~7.5~~ 8.5	~~9.0~~	~~11.0~~ 12.8	~~12.5~~	~~14.0~~ 17.1	~~15.5~~	~~17.0~~ 21.3	~~19.0~~	~~20.5~~ 25.6	~~22.0~~	~~23.5~~ 29.9	~~25.5~~	~~27.0~~ 34.1
		Roof +2 stories	~~6.0~~ 6.2	~~9.0~~	~~11.5~~ 12.4	~~14.0~~	~~16.5~~ 18.6	~~19.0~~	~~21.5~~ 24.8	~~23.5~~	~~26.0~~ 31.0	~~28.5~~	~~31.0~~ 37.2	~~33.5~~	~~36.0~~ 43.4	~~38.0~~	~~40.5~~ 49.7
	20	Roof Only	~~2.5~~ 3.0	~~3.5~~	~~4.5~~ 6.0	~~5.0~~	~~6.0~~ 9.0	~~7.0~~	~~8.0~~ 12.0	~~9.0~~	~~10.0~~ 15.1	~~10.5~~	~~11.5~~ 18.1	~~12.5~~	~~13.5~~ 21.1	~~14.5~~	~~15.5~~ 24.1
		Roof +1 story	~~4.5~~ 4.7	~~6.5~~	~~8.0~~ 9.5	~~10.0~~	~~11.5~~ 14.2	~~13.5~~	~~15.0~~ 19.0	~~17.0~~	~~18.5~~ 23.7	~~20.5~~	~~22.0~~ 28.5	~~24.0~~	~~25.5~~ 33.2	~~27.5~~	~~29.0~~ 38.0
		Roof +2 stories	~~6.5~~ 6.7	~~9.5~~	~~12.0~~ 13.5	~~14.5~~	~~17.5~~ 20.2	~~20.0~~	~~22.5~~ 26.9	~~25.0~~	~~27.5~~ 33.7	~~30.0~~	~~32.5~~ 40.4	~~35.5~~	~~38.0~~ 47.1	~~40.5~~	~~43.0~~ 53.8

a. If the stud spacing is reduced to 16 inches, table values for 7/16-inch sheathing may be multiplied by 0.93.

b. If the stud spacing is reduced to 16 inches or the sheathing thickness is greater then 7/16-inch, the interior field nail spacing may be increased to 12 inches.

c. If the ½-inch gypsum is not applied to the inside of the wall, the table lengths are to be multiplied by 1.22.

d. Table values shall be multiplied by the following values for different wall heights:

8ft. walls	0.87
9ft. walls	0.92
11ft. walls	1.08
12ft. walls	1.15

e. If 3/8-inch wood structural sheathing is used instead of 7/16-inch wood structural sheathing, table lengths are to be multiplied by 1.07.
f. If ½-inch structural fiberboard is used instead of 7/16-inch wood structural sheathing, table lengths are to be multiplied by 1.31.
g. Interpolation is permitted, extrapolation is prohibited.
h. For Exposure Category C or D, multiply the required length of bracing by a factor of 1.5 or 1.8 respectively.

Roof Only Roof + 1 Story Roof + 2 Stories

~~a. Interpolation shall be permitted; extrapolation shall be prohibited.~~
~~b. For Exposure Category C or D, multiply the required length of bracing by a factor of 1.3 or 1.6, respectively.~~
~~c. For wall heights other than 10 feet (3048 mm), multiply the required length of bracing by the following factors; 0.90 for 8 feet (2438mm), 0.95 for 9 feet (2743 mm), 1.05 for 11 feet (3353) and 1.10 for 12 feet (3658 mm).~~
~~d. Where minimum ½-inch gypsum wall board interior finish is not provided, the required bracing amount for the affected rectangle side shall be multiplied by 1.40.~~
~~e. A floor, habitable or otherwise, contained wholly within the roof rafters or roof trusses need not be considered a story for purposes of determining wall bracing provided the eave to ridge height does not exceed 20 feet (6096 mm) and the openings in the roof do not exceed 48 inches (1219 mm) in width.~~
~~f. Perpendicular sides to the front and rear sides are the left and right sides. Perpendicular sides to the left and right sides are the front and rear sides.~~

SUBMISSION FOR PERMANENT RULE

TABLE R602.3(3)

REQUIREMENTS FOR WOOD STRUCTURAL PANEL WALL SHEATHING USED TO RESIST WIND PRESSURES[a b c]

MINIMUM NAIL		MINIMUM WOOD STRUCTURAL PANEL SPAN RATING	~~MINIMUM NOMINAL~~ PANEL THICKNESS (inches)	MAXIMUM WALL STUD SPACING (inches)	PANEL NAIL SPACING		ULTIMATE DESIGN WIND SPEED V_{ult} (mph)		
Size	Penetration (inches)				Edges (inches o.c.)	Field (inches o.c.)	Wind exposure category		
							B	C	D
6d Common (2.0" X 0.113")	1.5	24/0	3/8	16	6	12	140	115	110
8d Common (2.5" x o.131")	1.75	24/16	7/16	16	6	12	170	140	135
				24	6	12	140	115	110

For SI: I inch = 25.4 mm, I mile per hour = 0.447 m/s.

a. Panel strength axis parallel or perpendicular to supports. Three-ply plywood sheathing with studs spaced more than 16 inches on center shall be applied with panel strength axis perpendicular to supports.

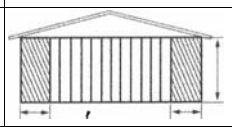
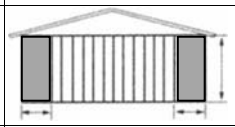
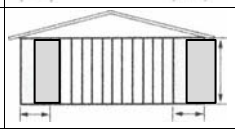
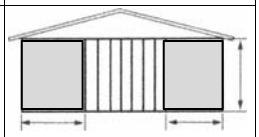
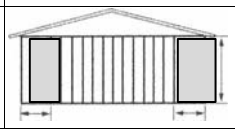
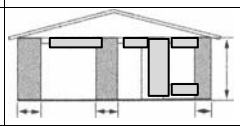
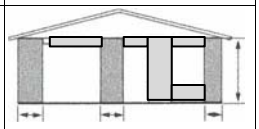
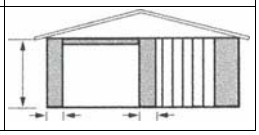
b. Table is based on wind pressures acting toward and away from building surfaces in accordance with Section R301.2. Lateral bracing requirements shall be in accordance with Section R602.10.

c. Wood structural panels with span ratings of Wall-16 or Wall-24 shall be permitted as an alternate to panels with a 24/0 span rating. Plywood siding rated 16 o.c. or 24 o.c. shall be permitted as an alternate to panels with a 24/16 span rating. Wall-16 and Plywood siding 16 o.c. shall be used with studs spaced not more than 16 inches on center.

SUBMISSION FOR PERMANENT RULE

TABLE R602.10.1

BRACING METHODS[a,b]

METHOD	MINIMUM BRACE MATERIAL THICKNESS	MINIMUM BRACE PANEL LENGTH OR BRACE ANGLE	CONNECTION CRITERIA		FIGURE OF BRACING METHOD, NOT NECESSARILY LOCATION
			Fasteners	Spacing	
LIB Let-in-bracing	1 x 4 wood brace (or approved metal brace installed per manufacturer instructions)	45° angle for maximum 16" o.c. stud spacing	2-8d common nails or 3-8d ($2^1/_2$" long x 0.113 " dia.) nails	Per stud and top and bottom plates	
DWB Diagonal wood boards	¾" (l" nominal)	48"	2-8d ($2^1/_2$" long x 0.113" diameter) or 2 - $1^3/_4$"-long-staples	Per stud and top and bottom plates	
WSP Wood Structural panel	3/8"	48"[d]	~~6d common nail or 8d ($2^1/_2$" long x0.113" diameter) nail~~ [See Table R602.3(3)]	6" edges 12" field	
SFB Structural fiberboard sheathing	1/2"	48"[d]	$1^1/_2$" long x 0.120" diameter galvanized roofing nails	3 " edges 6" field	
GB Gypsum board installed on both sides of wall	1/2"	96" for use with R602.10.2 48 " for use with R602.10.3	Minimum 5d cooler nails or #6 screws	7" edges 7" field	
PCP Portland cement plaster	3/4" (maximum 16" o.c. stud spacing)	48"	$1^1/_2$" long. 11 gage, $^7/_{16}$" diameter head nails or 7/8" long 6 gage staples	6" o.c. on all framing members	
CS-WSP[e,i] Continuously Sheathed SFB	3/8"	24" adjacent to window not more than 67% of wall height: 30" adjacent to door or window greater than 67% and less than 85% of wall height. 48" for taller openings.	Same as WSP	Same as WSP	
CS-SFB[e,i] Continuously sheathed SFB	1/2"		Same as. SFB	Same as SFB	
PF Portal Frame[f,g,h]	7/16"	See Figure R602.10.1	See Figure R602.10.1	See Figure R602.10.1	

Notes:

a. Alternative bracing materials and methods shall comply with Section 105 of the *North Carolina Administrative Code and Policies*, and shall be permitted to be used as a substitute for any of the bracing materials listed in Table R602.10. 1 provided at least equivalent performance is demonstrated, Where the tested bracing strength or stiffness differs from tabulated materials. the bracing amount required for the alternative material shall be permitted to be factored to achieve equivalence.

b. All edges of panel-type wall bracing required from ~~Tables~~ Section R602.10.2 ~~and~~ or Section R602.10.3 shall be attached to framing or blocking, except GB bracing horizontal joints shall not be required to be blocked when joints are finished.

c. Two LIB braces installed at a 60°angle shall be permitted to be substituted for each 45° angle LIB brace.

d. For 8-foot (2483 mm) or 9-foot (2743 mm) wall height. brace panel minimum length shall be permitted to be reduced to 36-inch (914 mm) or 42-inch length (1067 mm). respectively, where not located adjacent to a door opening. A braced wall panel shall be permitted to be reduced to a 32-inch (813 mm.) length when studs at each end of the braced wall panel are anchored to foundation or framing below using hold-down device with minimum 2,800 pounds design tension capacity, For detached single story garages and attached garages supporting roof only. a minimum 24-inch (610 mm) brace panel length shall be permitted on one wall containing one or more garage door openings.

e. Bracing methods designated CS-WSP and CS-SFB shall have sheathing installed on all sheathable surfaces above. below, and between wall openings.

f. For purposes of bracing in accordance with Section R602.10.2. two portal frame brace panels with wood structural panel sheathing applied to the exterior face of each brace panel as shown in Figure R602.10.1 shall be considered equivalent to. one braced wall panel:

g. Structural fiberboard (SFB) shall not be used in portal frame construction.

h. No more than three portal frames shall be used in a single building elevation.

i. CS-WSP and CS-SFB cannot be mixed on the same story. Gable ends shall match the panel type of the wall below.

REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: NC Fire Code, 202

DEADLINE FOR RECEIPT: Wednesday, November 4, 2020

The Rules Review Commission staff has completed its review of this Rule prior to the Commission's next meeting. The Commission has not yet reviewed this Rule and therefore there has not been a determination as to whether the Rule will be approved. You may call our office to inquire concerning the staff recommendation.

In reviewing this Rule, the staff recommends the following technical changes be made:

Who is scheduling this? The residents or the building?

What is a "limited time"? Will this be less than five hours, given the limit set in the Fire Code, 304.4.2.1?

And should "approved" be italicized to show that the term is defined?

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina 27609.

Amanda J. Reeder
Commission Counsel
Date submitted to agency: October 21, 2020

SUBMISSION FOR PERMANENT RULE

2018 NC Fire Code
202 Definitions. (200310 Item B-1)

Valet Trash Collection Service. A scheduled trash removal service that collects occupant-generated rubbish, trash, or recyclable materials from dwelling units, where the trash is placed outside of the dwelling units for a limited time and in an approved container.

REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: NC Fire Code, 304.4

DEADLINE FOR RECEIPT: Wednesday, November 4, 2020

The Rules Review Commission staff has completed its review of this Rule prior to the Commission's next meeting. The Commission has not yet reviewed this Rule and therefore there has not been a determination as to whether the Rule will be approved. You may call our office to inquire concerning the staff recommendation.

In reviewing this Rule, the staff recommends the following technical changes be made:

304.4.3: Consider making this a bit clearer by saying "Apartment management shall: have written policies and procedures in place; enforce compliance with those policies and procedures; and upon request, provide…"

And so that I'm clear – what will the policies and procedures do?

304.4.4: What is "doorstep" refuse and recycling collection containers? Does your regulated public know?

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina 27609.

Amanda J. Reeder
Commission Counsel
Date submitted to agency: October 21, 2020

SUBMISSION FOR PERMANENT RULE

2018 NC Fire Code
304.4. (200310 Item B-1)

304.4 Valet Trash Collection Services for R-2 Apartment Occupancies

304.4.3 Policies and procedures. Apartment management shall have written policies and procedures in place, enforce compliance, and upon request provide a copy of such policies and procedures to the authority having jurisdiction.

304.4.4 Revocation. The use of doorstep refuse and recycling collection containers in apartment occupancies is revocable by the *fire code official* for violations of this section.

REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: NC Fire Code, 609.2

DEADLINE FOR RECEIPT: Wednesday, November 4, 2020

The Rules Review Commission staff has completed its review of this Rule prior to the Commission's next meeting. The Commission has not yet reviewed this Rule and therefore there has not been a determination as to whether the Rule will be approved. You may call our office to inquire concerning the staff recommendation.

In reviewing this Rule, the staff recommends the following technical changes be made:

In Exception 1, should "approved" be italicized?

In Exception 4, consider replacing "in which" in the sentence "Spaces in which such systems…" with "where"

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina 27609.

Amanda J. Reeder
Commission Counsel
Date submitted to agency: October 21, 2020

SUBMISSION FOR PERMANENT RULE

2018 NC Fire Code
609.2. (200310 Item B-3)

[M] 609.2 Where required.

A Type 1 hood shall be installed at or above all commercial cooking appliances and domestic cooking appliances used for commercial purposes that produce grease or smoke.

Exceptions:
1. A Type 1 hood shall not be required for an electric cooking appliance where an approved testing agency provides documentation that the appliance effluent contains 5mg/m^3 or less of grease when tested at an exhaust flow rate of 500 cfm (0.236m^3/s) in accordance with UL 710B.

2. Domestic cooking appliances used for commercial purposes in accordance with Section 507.1.2 of the *International Mechanical Code*.

3. Factory-built commercial exhaust hoods that are *listed* and *labeled* in accordance with UL 710, and installed in accordance with Section 304.1 of the *International Mechanical Code*, shall not be required to comply with Sections 507.1.5, 507.2.3, 507.2.5, 507.2.8, 507.3.1, 507.3.3, 507.4 and 507.5 of the *International Mechanical Code*.

4. Factory-built commercial cooking recirculating systems that are *listed* and *labeled* in accordance with UL 710B, and installed in accordance with Section 304.1 of the *International Mechanical Code*, shall not be required to comply with Sections 507.1.5, 507.2.3, 507.2.5, 507.2.8, 507.3.1, 507.3.3, 507.4 and 507.5 of the *International Mechanical Code*. Spaces in which such systems are located shall be considered to be kitchens and shall be ventilated in accordance with Table 403.3.1.1 of the *International Mechanical Code*. For the purpose of determining the floor area required to be ventilated, each individual appliance shall be considered as occupying not less than 100 square feet (9.3m2).

5. Where cooking appliances are equipped with integral down-draft exhaust systems and such appliances and exhaust systems are listed and labeled for the application in accordance with NFPA 96, a hood shall not be required at or above them.

Chapter 80 – Referenced Standards
UL 710-2012
Exhaust Hoods for Commercial Cooking Equipment