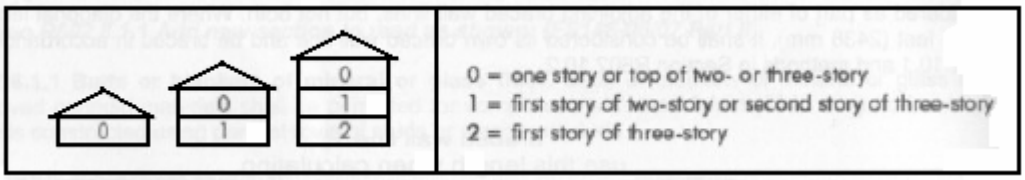
NEW CASTLE COUNTY **P-031 EXTERIOR FRAMING** CHECKLIST

	Pass	Corr's Req'd	N/A	GENERAL	
1.	O	O	O	Verify site identification & permit displayed at worksite	R 321.1,*Ch 6 6.03.012(Q)*
2.	O	O	O	Access provided to all areas to be inspected (exterior sheathing exposed)	*Ch 6 6.03.018(A),(E)*
3.	O	O	O	NCC apprv'd stamped construction documents avail. on site	*Ch 6 6.03.013(B)(6a)*
4.	O	O	O	Info on drawings shall clearly indicate the extent of the work	*Ch 6 6.03.013(B)*
5.	O	O	O	Dwgs show detail flashings, opening details, and means of maintaining the weather resistance of the exterior wall envelope	*Ch 6 6.03.013(B)(4)*
6.	O	O	O	All revisions to apprv'd dwgs shall be submitted & apprv'd prior to next scheduled inspection	*Ch 6 6.03.013(B)(7)*
7.	O	O	O	All exterior plaster details sealed by Delaware registered design professional	*Ch 6.03.014*
8.	O	O	O	Exterior wall envelope designed *and constructed* in a manner that prevents the accumulation of water within the wall assembly by providing a water-resistant barrier behind the exterior veneer as required by R703.2 and a means of draining water that enters the assembly to the exterior.	2006 R703.1
				(A kick-out flashing shall be installed where the lower portion of a sloped roof stops within the plane of an intersecting wall cladding, in such manner as to divert or kick-out water away from the assembly	
				EXTERIOR	
9.	O	O	O	Silt fence & construction entrance installed per site plan	*Ch 6 6.03.013(B)(5)(7)*
10.	O	O	O	No visible signs of damage to foundation walls	R 404, *Ch 6 404.1.7*
				DESIGN CONSIDERATIONS (ASTM C926)	
11.	O	O	O	• Flashing **shall be** specified at openings, perimeters, and terminations to prevent water from getting behind plaster.	A2.1.2
				UNPROTECTED *ALUMINUM FLASHING SHALL NOT BE USED*	
				(check penetrations for plumbing, electrical, lighting, dryer vent, etc.)	
12.	O	O	O	Wall construction capable of accommodating all loads imposed according to Section R301 and of transmitting the resulting loads to the supporting structural elements.	R601.2
13.	O	O	O	**Wall sheathing attached properly:**	Table R602.3(1)
				O " – ½" 6d common nail (2"x 0.113")	6" edge 12" intermediate support
				O 19/32" – 1" 8d common nail (2½"x0.131")	6" edge 12" intermediate support
				O 1 1/8" – 1 ¼" 10d common nail (3"x 0.148")	6" edge 12" intermediate support
				Or 8d deformed nail (2½"x 0.131")	
				O Other wall sheathing (fiberboard, gypsum, etc.) as per code	Table 602.3(1)
				Alternate attachment:	Table R602.3(2)
				O Up to ½" 0.097 – 0.099 Nail 2¼" long	3" edge 6" intermediate support
				Staple 15 ga. 1¾" long	4" edge 8" intermediate support
				Staple 16 ga. 1¾" long	3" edge 6" intermediate support
				O 19/32" and 5/8" 0.113 Nail 2" long	3" edge 6" intermediate support
				Staple 15 & 16 ga. 2" long	4" edge 8" intermediate support
				0.097-0.099 Nail 2¼" long	4" edge 8" intermediate support
				O 23/32" and ¾" Staple 14 ga. 2" long	4" edge 8" intermediate support
				Staple 15 ga. 1 ¾" long	3" edge 6" intermediate support
				0.097-0.099 Nail 2¼" long	4" edge 8" intermediate support
				Staple 16 ga. 2" long	4" edge 8" intermediate support
				O 1" Staple 14 ga. 2¼" long	4" edge 8" intermediate support
				0.113 Nail 2¼" long	3" edge 6" intermediate support
				Staple 15 ga. 2¼" long	4" edge 8" intermediate support
				0.097-0.099 Nail 2½" long	4" edge 8" intermediate support
14.	O	O	O	Wall sheathing installed per manufacturer's specifications (**REQ'D** spacing, span rating, etc.)	

NOTE: ***Where plywood is used for sheathing, a minimum of 1/8" separation shall be provided between adjoining sheets to allow for expansion (Exterior Plaster only)*** *ASTM 1063 Table 3 note "a"*

Pass	C/R	N/A	GENERAL	
15. O	**O**	**O**	**All** exterior walls **BRACED** in accordance with code:	R602.10, T R602.10.1(1)
15a.O	**O**	**O**	**Braced Wall panels (BWP)** located in accordance with Table R602.10.1(1) and Figure R602.10.1.3(1)	R602.10.1.3
			O BWP located at least every 25' o.c.	
			O BWP begin no more than 12.5' from each end of a braced wall line.	

Stories above braced wall line	Type of Brace (method)	% full height bracing per wall line (Method 3/ All other methods)
0	1 through 8	16% / 16% - max 35' between braced wall lines (except's R602.10.1.4)
1	1 through 8	16% / 25% - "
2	2 through 8	25% / 35% - "



Method R602.10.3

1 Nominal 1" x 4" continuous diagonal braces let in to the top and bottom plates and the intervening studs or approved metal strap devices installed in accordance with the manufacturer's specifications. The let-in brace shall be placed at an angle not more than 60◦ or less than 45◦ from the horizontal.

2 Wood boards of 5/8" net minimum thickness applied diagonally on studs spaced a maximum of 24". Diagonal boards shall be attached to studs in accordance with Table R602.3(1).

3 Wood structural panel sheathing with a thickness no less than 3/8" for 16" or 24" stud spacing. Wood structural panels shall be installed in accordance with Table R602.3(3) and Table R602.3(1).

4 ½" or 25/32" thick structural fiberboard sheathing applied vertically or horizontally on studs spaced a maximum of 16" O.C. Structural fiberboard sheathing shall be installed in accordance with Table R602.3(1).

5 Gypsum board with minimum ½" thickness placed on studs spaced a maximum of 24" O.C. and fastened at panel edges including top and bottom plates at 7" O.C. with the size nails specified in Table R602.3(1) for sheathing and Table R702.3.5 for interior gypsum board.

6 Particleboard wall sheathing panels installed in accordance with Table R602.3(4) and Table R602.3(1).

7 Portland cement plaster on studs spaced a maximum of 16" O.C. and installed in accordance with Section R703.6.

8 Hardboard panel siding when installed in accordance with Table R703.4.

Exception: Alternate braced wall panels constructed in accordance with Section R602.10.3.2.1 or R602.10.3.2.2 shall be permitted to replace any braced wall panel in any of the above methods of braced wall panels.

16. O	**O**	**O**	For **Methods 2,3,4,6,7 and 8**, each braced wall panel shall be at least 48" in length, covering a minimum of 3 stud spaces where studs are spaced 16" O.C. and covering a minimum of 2 stud spaces where studs are spaced 24" O.C. (exceptions permitted)	R602.10.3
17. O	**O**	**O**	For **Method 5**, each braced wall panel shall be at least 96" in length where applied to one face of a braced wall panel and at least 48" where applied to both faces. (exceptions permitted-note code)	R602.10.3
17a.O	**O**	**O**	For **Methods 2,3,4,6,7 and 8,** for purposes of computing the % of panel bracing req'd in Table R602.10.1(1), the effective length of the braced wall panel shall be equal to the actual length of the panel.	R602.10.3
			NOTE: Section R602.10.3.2.1 allows for alternate braced wall panels installations.	
17b.O	**O**	**O**	**For Method 3, continuously sheathed braced wall lines using wood structural panels shall comply with section 602.10.4. Different bracing methods shall NOT be permitted w/in a continuously sheathed braced wall line.**	R602.10.4
			NOTE: Continuously braced wall lines NOT required in NCCo. per R602.10.4.7.	
18. O	**O**	**O**	Vertical joints of panel sheathing occur over, and fastened to, common studs	R602.10.7

Pass	C/R	N/A	GENERAL	
19. O	**O**	**O**	Horizontal joints in braced wall panels occur over, and fastened to, common blocking of a minimum 1½" thickness.	R602.10.7
			NOTE: (1) Not required in wall segments that are not counted as braced wall panels. ***(2) Where bracing % provided is at least 2x (twice) the min. % req'd by Table R602.10.1(1) blocking at horiz. joints shall not be req'd in braced wall panels constructed using methods 3,4,5,6 or 8.***	
19a.O	**O**	**O**	**BWP** located at each end of a continuously-sheathed braced wall line. **O** Min. 24" wood structural panel corner return shall be provided at both ends of a continuously sheathed braced wall line in accor. w/ Fig. R602.10.4.3(1) or tie-down device w/ exceptions	R602.10.4.3
20. O	**O**	**O**	**Windows and doors installed** (and flashed- P-032 checklist) per manuf's written installation instructions. *May postpone to P-032 based on weather barrier system used.*	R613.1
			NOTE: 2006 IRC eliminated the allowance for self-flashing windows; they must be flashed in accordance with the code. The flanges are intended for mounting, not flashing.	

Comments: _____

Inspector_____ Permit Number _____

Date_____ Inspection Results: **Pass**_____ **Corrections Required** _____

O See correction notice for additional items that require correction