2006 NEW CASTLE COUNTY **RESIDENTIAL FINAL INSPECTION** CHECKLIST WITH 2009 IECC

(2006 IRC)(2006 IMC)(2006 IPC)(2006 IFGC)(2007 Supp)(Chapter 6)(2009 IECC)

Revised 6/21/10 MSC

	Pass	Corr's Req'd	N/A		
				GENERAL	
1.	O	O	O	VERIFY HOUSE IS COMPLETE PER APPROVED PLAN	Ch 6 6.03.018(G), 6.03.013(B7)
2.	O	O	O	Verify house is habitable (heat, hot water, bathroom, kitchen w/sink & stove)	R306, R202, IMC 309.1
3.	O	O	O	Verify site and street identification	UDC 40.20.231(E), R321.1
4.	O	O	O	Access provided to all areas to be inspected	Ch 6 6.03.018(A)(E)
5.	O	O	O	Verify required permits issued	Ch 6 6.03.012(A)
				O Inside and outside plumbing **O** Deck/Porch	
				O HVAC **O** Finished Basement	
				O Decorative appliance **O** Garage	
6.	O	O	O	Verify engineer's reports received and approved, if required	Ch 6 6.03.018(I),(C),(F)
7.	O	O	O	Verify NCC approved plans on site	Ch 6 6.03.013(B)(1,5,6a,7)
8.	O	O	O	Verify re-inspection items have been corrected or approved	Ch 6 6.03.018(F)
9.	O	O	O	Verify all required inspections on advice list and sewer/water, DWV, underground, gas test, etc. are complete and fees paid	Ch 6 6.03.018(F)(E)
10.	O	O	O	Verify final electric approval	DE Code Title 24, Ch 14 Sec 1420, Ch 6 6.03.018(C)
11.	O	O	O	REVIEW IECC checklist, required to be available on site (doors, windows, HVAC, insulation, etc.)	IECC 401.3, Ch 6 6.03.013(B6a)
				EXTERIOR	
				GAS METER	
12.	O	O	O	Must be protected by bollards when within 3' of a driveway	Ch 6 FG 404.7
13.	O	O	O	Piping protected (ex., paint) and sleeved through wall	IFGC 403.8, 404.4, 404.7, 404.8
14.	O	O	O	Verify fuel burn appliance direct vent terminates outside per mfr's specs.	IFGC 503.3, 503.6.6
				HEATER & A/C	
15.	O	O	O	Check heater/water heater vent horizontal termination:	IMC 804.3.4, 804.3.5
				O 12" or more above grade	
				O 7' or more above walkways	
				O 3' or more above any forced air inlet located w/in 10'	
				O 4' or more below or horizontally from any door, window or gravity air inlet	
				O 1' or more above any door, window or gravity air inlet	
				O 3' or more from any interior corner formed by 2 walls perpendicular to each other	
				O not directly above or w/in 3'horiz. From an oil tank vent or gas meter	
				Vertical term:	
				O 7' or more above adjacent walkways	
				O 3' or more above force air inlet located w/in 10'	
				O located below an adjacent roof structure, the termination shall be located at least 3' from such structure	
				O 4' or more below or horizontally from any door, window, or gravity air inlet	
				O 1' or more above or horizontally from any door, window, or gravity air inlet	
				O vent cap installed to prevent entry of rain	
				O 3' or more horizontally from any portion of the roof structure	
16.	O	O	O	A/C Pad Level	IMC 304.9
17.	O	O	O	Roof covering complete, with approved material	per man specs, IRC 903, 904, 905
18.	O	O	O	Flashing & felt paper where required	R905
19.	O	O	O	Chimney minimum 36" above roof penetration and 24" higher than any portion of the roof within 10'	IFGC 503.5.4, R1003.9
20.	O	O	O	Minimum 1 - 3" plumb. vent extending at least 12" above the high side of the roof	Ch 6 P 904.1, 903.1
21.	O	O	O	DOORS & WINDOWS INSTALLED (flashed, caulked, operational)	man specs, R613, R703.1, R703.8
22.	O	O	O	Mechanical vent termination to a listed cap or roof assembly	IFGC 503.6.4, 503.6.6
				O Must terminate at least 8' from a vertical wall or similar obstruction	
				O 12" diameter or smaller vents terminate in accordance with Fig 503.6.4 (12" minimum height)	
23.	O	O	O	Frost-proof hose bibbs with anti-siphon device installed	IPC 608.15.4.2, 305.6
24.	O	O	O	DECKS installed per NCC DECK Checklist, footing Inspection performed or footing certification & pictures provided	Ch 6 6.03.018(E),(F),(C)
25.	O	O	O	ALL EXTERIOR COVERINGS COMPLETE	R703
26.	O	O	O	Check flashing and weep holes when stone veneer used weep holes (3/16"dia, max spacing 33")	R703.7.5, 703.7.6, 703.8, 703.1
27.	O	O	O	All exposed wood weather protected (paint, vinyl, aluminum, etc.)	R701.2, 703.1

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28.	**O**	**O**	**O**	Decay resistant wood installed against masonry (sheathing, door jambs, wood beam pocket)	R 319.1
29.	**O**	**O**	**O**	Exterior plaster and manufactured stone installed per code	R703.6, ASTM 926 and 1063
				O Weep screeds	R703.6.2.1
				O Thickness	Table 702.1(1)
				O Weather resistant	R703.1
30.	**O**	**O**	**O**	All penetrations sealed	IPC 305.4, 305.7, IFGC 404.4
31.	**O**	**O**	**O**	Rain & sump water directed away from dwelling, 5' from foundation walls (gutters, splash blocks or pipes)	R801.3
32.	**O**	**O**	**O**	Window wells provided on below grade egress windows and access panels Depth over 44" req's ladder, with rungs 12" wide, 18" max ht, project min 3"	R310.2, 310.4, 310.5
33.	**O**	**O**	**O**	Driveway installed per plan	Ch 6 6.03.018(G), 6.03.013(B7)
34.	**O**	**O**	**O**	Average grade slope not to exceed 14%	NCC Ch 12 12.03.003(3)
35.	**O**	**O**	**O**	15" dia or greater pipe installed under driveway where roadside swales are used	Ch 12 12.03.003(3)
36.	**O**	**O**	**O**	Subdivision sidewalk per record plan at dwelling location 5' wide min.	97 UDC Sec 40 21.163(E),(C)
37.	**O**	**O**	**O**	UDC required landscaping complete	40.23.200, 40.04.210, Ch 6 6.03.013(B7)
38.	**O**	**O**	**O**	Capped cleanouts on sanitary line (brought up to grade in yard)	IPC 708.3.5
39.	**O**	**O**	**O**	Exhaust openings protected**,** back draft damper for clothes dryer	IMC 504.4, 401.5
				CRAWL SPACE	
40.	**O**	**O**	**O**	16" height x 24" width access opening in perimeter wall or 18"x24" in floor	R408.4
41.	**O**	**O**	**O**	18" minimum clearance between exposed earth & bottom of beam or decay protected	R319.1
42.	**O**	**O**	**O**	Ventilation required (not less than 1 ft² per 150 ft² of under-floor area and vents shall be located within 3' of each corner)	R408.1, 408.3
				Exception: where exposed earth is covered with 6 mil vapor barrier, sealed 6" up wall, and perimeter walls are insulated, with continuously operated exhaust or conditioned air supplied to 1cfm per 50 ft²	
43.	**O**	**O**	**O**	If perimeter walls insulated, must extend from floor down to finished grade and then vertically or horizontally for and additional 24 inches	IECC 402.2.9
44.	**O**	**O**	**O**	Provide access to mechanical equipment 30" high 22" wide min. or large enough for appliance removal not more than 20' in length from the opening to the appliance	IMC 306.4
45.	**O**	**O**	**O**	Vapor barrier installed between base course (or subgrade w/no base course) & concrete	R506.2.3
				GARAGE	
46.	**O**	**O**	**O**	FIREWALL RATING PER CODE (ONE HOUR WITH LIVING SPACE ABOVE) Fire rating includes all supporting walls (2 layers of 5/8 drywall provides one-hour rating)	Ch 6 R309.2
47.	**O**	**O**	**O**	Columns attached per mfr. specs & fire protected when supporting living space above	C h 6 R309.2
48.	**O**	**O**	**O**	Min 1 3/8" solid wood, steel or 20 min. fire rated door into dwelling	R309.1
49.	**O**	**O**	**O**	Duct penetrations properly fire rated where required or dampered	IMC 607.1, 607.5.3, Ch 6 R309.2
50.	**O**	**O**	**O**	Verify penetrations of fire assembly are sealed with approved material (proper fire blocking installed, access panels should be rated)	Ch 6 R309.2, R602.8
				HEATERS INSTALLED IN GARAGES	
51.	**O**	**O**	**O**	Verify protective barrier from vehicle damage or hung 6 feet above floor	IMC 304.6
52.	**O**	**O**	**O**	Verify ignition source is 18" above floor level	IMC 304.3
53.	**O**	**O**	**O**	CONCRETE FLATWORK (floor) complete per NCC approved plan	Ch 6 6.03.013(B7)
54.	**O**	**O**	**O**	Pitched toward garage door and non-combustible	R309.3
55.	**O**	**O**	**O**	4" minimum step at entrance into dwelling	Ch 6 R309.3
56.	**O**	**O**	**O**	GARAGE DOOR(S) INSTALLED	per plan & man. specs, Ch 6 6.03.013(B7)
57.	**O**	**O**	**O**	Verify any untreated wood separated from concrete and masonry <u>OR</u> treated wood used	R319.1
				BASEMENT	
				VERIFY BASEMENT MINIMUM HEADROOM	
58.	**O**	**O**	**O**	Ceiling w/o habitable space 6' 8" (may project to 6'4" under beams, girders, ducts and other obstructions)	R305.1 ex.2
59.	**O**	**O**	**O**	With habitable space 7' minimum	R305.1
60.	**O**	**O**	**O**	Bathrooms min 6'8" over the fixture and at the front clearance area for fixtures (21" clearance in front of sinks, lavs, wc's, tubs) (24" clearance in front of shower stalls)	R305.2 ex 4, fig 307.1
61.	**O**	**O**	**O**	Walls installed per plan	Ch 6 6.03.013(B7)
62.	**O**	**O**	**O**	All penetrations of plumbing through masonry sleeved	IPC 305.4, 305.5
63.	**O**	**O**	**O**	All penetrations of foundation wall sleeved and sealed watertight	IPC 305.4, 305.5, 305.7

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64.	**O**	**O**	**O**	Bathrooms min 6'8" over the fixture and at the front clearance area for fixtures (21" clearance in front of sinks, lavs, wc's, tubs) (24" clearance in front of shower stalls)	R305.2 ex 4, fig 307.1
65.	**O**	**O**	**O**	Walls installed per plan	Ch 6 6.03.013(B7)
66.	**O**	**O**	**O**	All penetrations of plumbing through masonry sleeved	IPC 305.4, 305.5
67.	**O**	**O**	**O**	All penetrations of foundation wall sleeved and sealed watertight	IPC 305.4, 305.5, 305.7
68.	**O**	**O**	**O**	SUMP PIT COMPLETE, PUMP & PIPING INSTALLED (per approved plan)	Ch 6 R405.2.3
69.	**O**	**O**	**O**	Cover and check valve installed	IPC 1113.1.4
70.	**O**	**O**	**O**	Check operation and discharge so as to prohibit recycling	Ch 6 R405.1.1
71.	**O**	**O**	**O**	18" diameter minimum, 24" deep from top of basement floor	Ch 6 R405.1.1
72.	**O**	**O**	**O**	DECAY RESISTANT LUMBER WHERE REQUIRED, w/correct fasteners (sill plates, wood entering masonry, wood resting on concrete or masonry found. wall)	R319.1
73.	**O**	**O**	**O**	CHECK FOR EXCESSIVE CUTTING, NOTCHING & BORING OF BEAMS	R502.8
74.	**O**	**O**	**O**	Notches on ends no greater than ¼ of depth (dimensional lumber)	Fig. R502.8
75.	**O**	**O**	**O**	No notches greater than 1/6 of the joist or middle 1/3 of the span (dimensional lumber)	
76.	**O**	**O**	**O**	No holes bored w/in 2" of top, bottom or another hole & not greater than 1/3 the depth of the joist	
77.	**O**	**O**	**O**	No holes in engineered products, except where permitted by manufacturer	R502.8.2
78.	**O**	**O**	**O**	FINAL CHECK FOR HANGERS & FOUNDATION ANCHORAGE	R403.1.6
79.	**O**	**O**	**O**	Nailing per manufacturer's specifications (proper type nails used)	
80.	**O**	**O**	**O**	Hangers sized for material used & joist bearing on hanger	per man. specs, R502.6
81.	**O**	**O**	**O**	Foundation anchorage located per code	R403.1.6, per man. specs
82.	**O**	**O**	**O**	Verify foundation anchors are installed by approved method:	
				O Bolts: 6' on center & within 1ft from the corners, min. 2 bolts per plate section	Ch 6 R403.1.6, R403.1.6
				O Straps: per manufacturer's specifications	R403.1.6, ex 1
83.	**O**	**O**	**O**	Check bearing: 1 ½" wood/metal, 3" masonry, 3" joist laps	R502.6, 502.6.1
				FINAL CHECK BEAM SIZE AND SUPPORT	
84.	**O**	**O**	**O**	Column placement & size per approved plan; attach per mfr's. specs (or 2 bolts or welded)	R407.3
85.	**O**	**O**	**O**	Minimum 3" bearing on solid masonry or fully bearing on steel shims	R502.6
86.	**O**	**O**	**O**	OUTSIDE AND EMERGENCY ESCAPE ENTRANCES INSTALLED	per plan & man. specs
87.	**O**	**O**	**O**	Required with habitable space and located in each sleeping room	R310,Ch 6 6.03.013(G)

INTERIOR

				FLOOR & WALL COVERING & TRIM COMPLETE THROUGHOUT HOUSE	
88.	**O**	**O**	**O**	Drywall finished and painted	per approved construction documents, Ch 6 6.03.013(B7)
				Note: Braced Wall Panels shall have gypsum wall board (min. ½" and fastened in accord. with Table R702.3.5) installed on the side of the wall opposite the bracing material. (W/exceptions)	R602.10.2.1
89.	**O**	**O**	**O**	Trim completed	per plan, Ch 6 6.03.013(B7)
90.	**O**	**O**	**O**	All floor coverings complete	per plan, Ch 6 6.03.013(B7)
91.	**O**	**O**	**O**	Garage drywall taped and spackled (per industry standards), 1 hour rated	Ch 6 R309.2
				STAIRWAYS (excluding Bilco Stairs)	
92.	**O**	**O**	**O**	Headroom (6'8") measured on rake of tread vertically to beam, joist, drywall, etc.	R311.5.2
93.	**O**	**O**	**O**	Handrails (4 or more rise) minimum 34", maximum 38")	R311.5.6
				TYPE I HANDRAIL:	R311.5.6.3
				O Circular Cross Section. O.D. 1 ¼" to 2"	
				O Non-circular (perimeter dimension 4" to 6 ¼"), (maximum cross section 2 ¼")	
				TYPE II HANDRAIL:	R 311.5.6.3
				O Perimeter greater than 6 ¼"	
				O Finger recess provided per code	
				O Handrail end returned to wall or terminated in newel post	R 311.5.6.2
94.	**O**	**O**	**O**	Stair width – minimum 36" above handrail	R 311.5.1
95.	**O**	**O**	**O**	Guards (36" min. ht on platform, 34" along stairs, 200 lb force resistance & max 4" spacing) at walking surfaces over 30" & doorways w/o steps, not ladder like	Ch 6 R312.2, R301.5
96.	**O**	**O**	**O**	Treads 10" minimum – 9" with 1" nosing, max variation 3/8"	R311.5.3.1,Ch 6 R311.5.3.2
97.	**O**	**O**	**O**	Risers maximum height 8", maximum height variation 3/8	R311.5.3, Ch 6 R311.5.3.1

	Pass	Corr's Req'd	N/A		
98.	**O**	**O**	**O**	Landing - min. 3' by 3', top & bottom of stairway, floor or landing not required at top of interior flight of stairs, provided a door does not swing over the stair	R311.5.4
99.	**O**	**O**	**O**	No keyed lock on interior of egress door	R311.4.4
100.	**O**	**O**	**O**	Interior doors in the path of egress shall be min 2'6", bathrooms shall be min 2'4"	Ch 6 R311.4.2
101.	**O**	**O**	**O**	SMOKE DETECTORS INSTALLED & TESTED FOR OPERATION	R313
102.	**O**	**O**	**O**	In & outside in the immediate vicinity of each sleeping room & on each story	R313.1
103.	**O**	**O**	**O**	Hardwired: check for battery backup type, and battery installed	R313.2
104.	**O**	**O**	**O**	Hardwired: check for inter-connection of all smoke alarms	R313.1
105.	**O**	**O**	**O**	Additions require smoke detectors thru house as per new construction	Ch 6 R313.1.1, R313.2.2
				ALL PLUMBING COMPLETE	
106.	**O**	**O**	**O**	Verify no pipe leaks	IPC 312
107.	**O**	**O**	**O**	Verify backflow prevention if lawn irrigation system installed	IPC 608.16.5
108.	**O**	**O**	**O**	Pipe supported (4' oc) and sloped per code (3" to 6" pipe = ⅛" per foot)	IPC (T) 308.5, (T) 704.1
109.	**O**	**O**	**O**	Sep. of water supply and sanitary (5' apart or water line 1' above)	IPC 603.2, Ch 6 603.2
110.	**O**	**O**	**O**	Fixtures in contact with walls & floors shall be caulked (tub spouts, faucets, etc.)	IPC 405.5
111.	**O**	**O**	**O**	Hose bib in place with labeled shutoffs & anti-siphon device	IPC 606.2, 606.4, 608.15.4.2
112.	**O**	**O**	**O**	Plumbing pipes protected from freezing in unheated areas	IPC 305.6
113.	**O**	**O**	**O**	All future plumbing capped with an approved cap or plug	IPC 704.4
114.	**O**	**O**	**O**	Verify dishwasher air gap	man specs, IPC 409, 802.1.6
115.	**O**	**O**	**O**	Verify hot water supply to fixtures is on the left side	IPC 607.4
116.	**O**	**O**	**O**	Verify mech ventilation and exhaust for bathing fixtures w/o window	IMC (T)403.3, 501.2, R303.3
117.	**O**	**O**	**O**	Verify access panels (for whirlpool tub pumps, shut-off valves)	IPC 421.5,606.3
118.	**O**	**O**	**O**	Check for anti-scald shower valve (showers, tub-shower combination), max temp 120°	IPC 424.3
119.	**O**	**O**	**O**	Verify shut off valves, and full-open valves	IPC 606.1, 606.2
120.	**O**	**O**	**O**	Verify traps and max distance from outlet to vent	IPC 1002.1, (T) 906.1
121.	**O**	**O**	**O**	Verify plumbing fixture spacing (toilets 15" to center line) (30" x 30" min shower stalls; 21" front clearance (24" for shower stalls); 2 lav to tub; 4" lav to w/c; 4" lav to lav; 4" lav to wall)	Fig. R307.1
122.	**O**	**O**	**O**	FIREPLACE COMPLETE	man specs, R1002, 1003, 1003.1, 1004, 1005
123.	**O**	**O**	**O**	Verify hearth size, damper size, clearances, gas shut off valve within 5' of the appliance	Ch 6 FG 409.5
124.	**O**	**O**	**O**	WORKING STOVE	IRC Ch 2 def. "kitchen" & "habitable space"
125.	**O**	**O**	**O**	Verify stove operation	mfr specs
126.	**O**	**O**	**O**	Verify approved flexible gas connector (6' max length)	IFGC 411.1.3.1
127.	**O**	**O**	**O**	Verify shut off valve and termination fitting (within 5 ft of appliance)	mfr specs, Ch 6 FG 409.5
128.	**O**	**O**	**O**	Verify anti-tip device	mfr specs
129.	**O**	**O**	**O**	Verify gas stove is vented if equipped	mfr specs
130.	**O**	**O**	**O**	LAUNDRY ROOM COMPLETED	
131.	**O**	**O**	**O**	Dryer vent (4" min diameter, max. length 25' less reductions or per mfr specs) (5' for 90 deg and 2.5' for 45 deg)	IMC 504.6, 504.6.1
132.	**O**	**O**	**O**	Dryer transition duct pipes must be metallic & 8' max length (and not concealed)	IMC 504.6
133.	**O**	**O**	**O**	Source for make up air where required (in enclosure & exhausting more than 200 CFM)	IMC 504.5
134.	**O**	**O**	**O**	If laundry sink is provided with threaded hose bib, anti-siphon fitting is required	IPC 608.15.4.2
135.	**O**	**O**	**O**	Laundry standpipe (18" minimum/42" maximum above trap, 2" diameter)	IPC 406.3, 802.4
136.	**O**	**O**	**O**	Verify approved flexible gas connector (6' max.)	IFGC 411.1.3.1
137.	**O**	**O**	**O**	Verify shut off valve and termination fitting within 5' of appliance	mfr specs, Ch 6 FG409.5
138.	**O**	**O**	**O**	CHECK WINDOW AND DOOR INSTALLATION	

PATH OF EGRESS DOOR SIZING: Ch 6 R311.4.2, R311.4.2

O Main egress door 3'0" **O** Interior doors 2'6" **O** Bath/powder room doors 2'4"

CHECK EGRESS WINDOWS/DOORS IN SLEEPING & BASEMENT AREAS R310.1

O 20"minimum opening width **O** 24"minimum opening height

O Clear net opening 5.7 sq ft (820 sq in) **O** Sill height max. 44" above finished floor

O Grade floor clear net openings 5 sq. ft. (720 sq in) when sill ht. max. 44" above or below grade

	Pass	Corr's Req'd	N/A		
				SAFETY GLAZING REQUIREMENTS (below 60" above floor or walking surface):	R308.4
				O Doors (full height) & sidelights **O** Shower/tub enclosure	
				O Glazing in all railings **O** Within 60" of pools, hot tubs or spas	
				O Within 60" of the bottom tread of a stair in any direction	
				O Within a 24" arc of a door edge on either side in the plane of the door and along the perpendicular wall towards which the door swings unless the door enters a closet 36" or less in depth	
				O Within 36" horizontally of stairways, ramps, & landings (18" with an intervening railing & guard)	
				O Single pane over 9 sq ft, less than 18" from floor, top over 36" off floor & walking surface(s) within 36" (must meet all 4 conditions to be required)	
				CLEAR WINDOW OPENINGS OVER 72" ABOVE GRADE MUST BE AT LEAST 24" ABOVE FINISHED FLOOR	R613.2
				Exceptions: windows that do not open over 4" or have guards complying with ASTM F2006 or F2090	
137.	**O**	**O**	**O**	VERIFY WATER HEATER INSTALLATION	
138.	**O**	**O**	**O**	Relief valve w/blowoff pipe (rigid metallic, 6" max above floor)	IPC 504.4, 504.6, Ch 6 P504.6
139.	**O**	**O**	**O**	Full open valve on supply (cold) line	IPC 503.1, 606.1(8)
140.	**O**	**O**	**O**	Approved vent connector & gas shut-off valve	man specs, IMC 803, Ch6 FG 409.5
141.	**O**	**O**	**O**	2 or more connectors enter a common vent or chimney, smaller enters above the larger	IMC 803.7
142.	**O**	**O**	**O**	First 18" of hot and cold water lines are rigid metallic pipe	Ch 6 P502.5
143.	**O**	**O**	**O**	Verify venting, including hangers	mfr specs, IFGC 503
144.	**O**	**O**	**O**	Verify clearance to combustibles	mfr specs, IMC (T)308.6
145.	**O**	**O**	**O**	Pan and drain pipe required where leakage could cause damage	IPC 504.7
146.	**O**	**O**	**O**	HEATER & A/C INSTALLATION	
147.	**O**	**O**	**O**	Check HVAC permit for correct size & model	Ch6 6.03.013(B)
148.	**O**	**O**	**O**	Verify gas test & number of appliances	IFGC 406
149.	**O**	**O**	**O**	Accessible dampers at all supplies within 3' of trunk (or use adjustable register)	Ch 6 M603.17
150.	**O**	**O**	**O**	Verify operation and equal amount of supply and return air	IMC 403.1
151.	**O**	**O**	**O**	Verify no gas pipe installed in circulating air ducts, clothes chute, chimney, gas vent	IFGC 404.1
152.	**O**	**O**	**O**	Only heater condensate lines can discharge to sanitary when home is slab-on-grade	Ch 6 P301.9
				ATTIC	
153.	**O**	**O**	**O**	ACCESS required in areas exceeding 30 ft². & 30" or more in height	R807.1
154.	**O**	**O**	**O**	Access opening: 22" X 30" with 30" headroom at any point above the opening	R807.1
155.	**O**	**O**	**O**	Located in a hallway or readily accessible location	R807.1
156.	**O**	**O**	**O**	Large enough to allow removal of largest appliances, light, 24" wide floor to unit,	IMC 306.3
157.	**O**	**O**	**O**	¾"condensate drain & overflow pan 3" larger than unit with drain. Water level cutoff device in the pan can substitute for the pan drain, when the condensate line is not directed in pan.	IMC 307.2
158.	**O**	**O**	**O**	Equipment, appliances, and insulation shall be elevated above the flood level rim of the overflow pan	Supp M307.2.3.2
159.	**O**	**O**	**O**	Verify truss bracing and installation (spacing, fastening, broken, etc.) or collar ties (4'on center)	per plan & mfr specs, R802.10.3, 802.3.1, Ch 6 6.03.013(B)
160.	**O**	**O**	**O**	Townhouse separation: openings in roof shall not be located w/in 4'of fire walls	R317.2.2 ex.
161.	**O**	**O**	**O**	Final check for insulation in attic (R-value per code) and plumbing vents	
162.	**O**	**O**	**O**	Plumb VTR must extend min 12" above roof, weather tight & terminate outside	IPC 903.3, 904.1, 904.3, Ch 6 P904.1
162.	**O**	**O**	**O**	Bath mechanical vent pipe terminates directly outdoors	R303.3
163.	**O**	**O**	**O**	Attic ventilation per plan for soffit, ridge or gable vent (baffles when necessary)	R806
164.	**O**	**O**	**O**	Verify B-vent clearance to combustibles, insulation sheild & support	IMC (T) 308.6, 802.7, mfr specs
				2009 IECC (Bold items are mandatory)	
166.	**O**	**O**	**O**	Verify all prescriptive or performance items complete (verify documentation and certification)	IECC 401.2
167.	**O**	**O**	**O**	**Certificate posted in or on the electrical panel**	IECC 401.3
168.	**O**	**O**	**O**	Verify insulation installed per REScheck or table 402.1.1 (R38, R13, R19, R10/13)	IECC 402.1.1, 402.1.4
169.	**O**	**O**	**O**	**Access hatches and doors from conditioned to unconditioned spaces shall be weatherstripped and insulated to a level equivalent to the surrounding surfaces. (e.g. attic, crawlspace)**	IECC 402.2.3
170.	**O**	**O**	**O**	**Floor insulation shall maintain permanent contact with the underside of the subfloor**	IECC 402.2.6
171.	**O**	**O**	**O**	Walls in conditioned basements shall be insulated from the top of the wall down to 10' or the basement floor, whichever is less	IECC 402.2.7

	Pass	Corr's Req'd	N/A		
172.	**O**	**O**	**O**	**Verify building thermal envelope intact (sealed, gasketed, or caulked)**	IECC 402.4.1
				O Joints, seams and penetrations / **O Garage walls and ceilings**	
				O Site built windows, doors and skylights / **O Behind tubs and showers on ext. walls**	
				O Electrical boxes on exterior walls / **O Common walls between dwelling units**	
				O Utility penetrations / **O Attic access openings**	
				O Dropped ceilings or chases / **O Rim joist junction**	
				O Knee walls / **O Recessed lighting, Speakers**	
				O HVAC register boots / **O Fireplace doors gasketed & outdoor comb air**	
173.	**O**	**O**	**O**	**Programmable thermostat installed for at least one forced-air furnace**	IECC 403.1.1
174.	**O**	**O**	**O**	Duct insulation installed to a min R-6, ducts in attics shall be R-8	IECC 403.2.1
175.	**O**	**O**	**O**	Verify at least 50% if the lamps in permanently installed light fixtures are high efficacy	IECC 404.1
176.	**O**	**O**	**O**	**Mechanical system piping insulated to a min of R-3**	IECC 403.3
177.	**O**	**O**	**O**	**Circulating service hot water piping insulated to a min of R-2**	IECC 403.4
178.	**O**	**O**	**O**	**All outdoor air intakes and exhaust shall have dampers (e.g. dryer, kitchen, bath fan)**	IECC 403.5
179.	**O**	**O**	**O**	If performance approach is used, verify all mandatory items are complete	IECC 405.2
180.	**O**	**O**	**O**	**Duct tightness report received, stamped by mech. engineer or certified technician**	IECC 403.2.2
181.	**O**	**O**	**O**		

Comments_____

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I hereby certify that this residence has been built to comply with all applicable New Castle County Building Codes and that all contractors that have worked on this permit were properly licensed by New Castle County in accordance with NCC Chapter 6 6.03.002, 6.03.003, and 6.03.004.

Builder_____ Date_____

I hereby certify that this residence was inspected and this visual inspection indicates this residence complies with all applicable New Castle County Building Codes.

Inspector_____ Date: _____

Permit Number: _____ Inspection Results: **Pass**_____ **Corrections Required**_____

O See correction notice for additional items that require correction