

CITY OF CHESAPEAKE		2015 VIRGINIA RESIDENTIAL CODE			Structural Review	
Virginia		Residential Plan Review Checklist			Changes from previous code	
	Items	Code	App	Rej.		
100	REQUIRED PLANS & DETAILS					
101	Plans readable & to scale	R109.1				
102	Preparer & contact info	R111.1				
103	Survey site plan	R109.2				
104	Floor plans	R301.1				
105	Foundation plan	R401.1				
106	Floor joist plan(s)	R501.1				
107	Roof & ceiling framing plan(s)	R802.1;806.1;807.1				
108	Engr. floors: Plans & calcs	R502.11				
109	Roof trusses: Plan & profiles	R802.10				
110	Building elevations	R109.1				
111	Wall bracing plan	R602.10,602.12				
112	Wall section detail(s)	R109.1				
113	Stair section detail(s)	R311, R312.1				
114	Garage door submittal	R112.3				
115	REQUIRED DESIGN INFORMATION					
116	Building code shown	R103.2				
117	Sq.footage breakdown	R109.1				
118	Roof live load	T R301.6				
119	Floor live loads + attic	T R301.5				
120	Wind load 120 Vult 93 Vasd	F R301.2(4)A				
121	Wind exposure B or C	R301.2.1.4				
122	Soil bearing capacity	T R401.4.1				
123	Finish flr. elv. in Flood Zone	R322.1				
124	Setbacks for fire separation	T R302.1(1)				
125	Airport noise attenuation	R329.1				
126	FLOOR PLANS					
127	Bath & shower walls	R702.4.2, R307.2				
128	Kitchen fire extinguishers	R330.1				
129	Accessible interior passage	R331.1				
130	Plumbing fixture clearances	P2705.1 #5				
131	Smoke & CO detectors	R314.1 R315.1				
132	Hall & Stair width 3 ft min	R311.6&311.7.1				
133	Minimum Room Areas	R304.1 R304.2				
134	Front Egress door 3 ft nom.	R311.1 R311.2				
135	Exterior door landings	R311.3				
136	Ceiling heights	R305.1				
137	GARAGE					
138	3000 psi concrete slab	T402.2				
139	Solid door to house	R302.5.1				
140	1/2 & 5/8 'X' drywall	T R302.6				
141	Clg. insul under hab. space	T N1102.1.2				
142	WINDOWS					
143	Design pressures	T R301.2(2)				
144	Fenstration U factor 0.35 min	T N1101.10.3(1&2)				
145	Safety glass locations shown	R308.4				
146	Egress 5.7 sq ft	R310.1				
147	Sill hgt.18" min./ Esc. 44"	R312.2.1, R310.1				
148	FOUNDATION STRUCTURE					
149	Continuous ftg @ exterior walls	R403.1				
150	Perimeter footing width & depth	T R403.1(1-3)				
151	Pier footing size & depth	R403.1.1				
152	Masonry wall lateral support	T R606.6.4				
153	Foundation vents	R408.1+2				
154	Flood vents-foundation & garage	R322.2.2				
155	Crawl access door	R408.4				
156	Point loads marked & supported	R301.1				
157	Rebar amount,locations & cover	F R403.1.3				
158	Footing bottom 12" below grade	R403.1.4				
159	Pier max height	R606.7				
160	Pier caps: 4" cap or grout solid	R606.7.1				
161	Crawl finish grade	R408.6				
162	Crawl ht: 12" beam,18" joists	R317.1 (1)				
163	Slab thickness: 3.5" min	R506.1				
164	Slab on grade insul R10/ 2 ft.	T N1102.1.2				
165	Vapor barrier	R506.2.3				
166	Anchor bolts or straps	R403.1.6				
167	PT wood required	R317.1				
168	Sheathing, framing, 6" grade	R317.1(5)				
169	PT wood fasteners	R317.3.1				
170	FLOOR STRUCTURE					
171	Lumber grade & species	R502.1				
172	Min. bearing of joists & girders	R502.6				
173	Draft stopping	R302.12				
174	Fire blocking	R302.11				
175	Girder spans	T R602.7(1-3)				
176	Floor joist spans	T 502.3.1(1&2)				
177	Dbl joist under parallel part. walls	R502.4				
178	Engineered Floor Trusses	R502.11.1				
179	Point loads marked & supported	R301.1				
180	Band beam/Rim board	R502.7				
181	Floor sheathing	R503.1				
182	Insulation: R-19	T N1102.1.2				
183	Deck ledger attachment	R507.2				
184	Deck lateral load connectors	R507.2.4				
185	Post to ftg & beam connectors	R507.7.1 & 507.8.1				
186	WALLS: BEARING EXTERIOR					
187	Bottom plate	R602.3.4				
188	Stud size	R602.3.1				
189	Stud spacing	T R602.3(5)				
190	Stud max. height	T R602.3(5)				
191	Studs continuous	R602.3				
192	Double top plate	R602.3.2				
193	Sheathing	T R602.3(3)				
194	Vapor barrier	R703.2				
195	Insulation: R15 or 13+1	T N1102.1.2				
196	Weep Holes	R703.8.6				
197	Header spans & jack studs	T R602.7(1-3)				
198	King studs (Exterior Walls)	T R602.7.5				
199	Fire rated wall details	R302.2				
200	Header Insulation R-3	T1102.4.1.1				
201	Wall Corner Cavity Insulation R-3 USBC	T1102.4.1.1				
202	WALLS: BEARING INTERIOR					
203	Shown on plans	R301.1 & 602.4				
204	Bottom plate anchors at slab	R403.1.6				
205	ROOF & CEILING STRUCTURE					
206	Attic ventilation	R802.1				
207	Attic access location on plan	R807.1				
208	Attic access insulated & sealed	N1102.2.4				
209	Habitable attic	R301.5				
210	Ceiling joist span	R802.5(1&2)				
211	Rafter spans	R802.4(1&2)				
212	Hip & valley rafter bracing	R802.3 R802.4				
213	Engineered Roof Trusses	R802.10.1				
214	Point loads marked & supported	R301.1				
215	Rafter & collar ties	R802.4.6,R802.5.2				
216	Hurricane clips	R802.11				
217	Porch post-to-beam connector	R507.7.1 R407.3				
218	Sheathing	R803.2.1				
219	Roof covering	R905				
220	Insulation: R-38 min	T N1101.1.2				
221	Fire rated roof/soffit details	R302.2				
222	Truss bracing design	R802.10.3				
223	WALL BRACING DETAILS					
224	CS-WSP End Conditions	R602.10.7				
225	Braced Wall Lines & Panels	R602.10				
226	Corner framing detail	F R602.3(2)				
227	Rafter/truss blocking detail	R602.10.8.2(1-3)				
228	Wall bracing portal frames	F R602.10.6.4				
229	STAIRS					
230	Landings	R311.7.6				
231	Winders: min. width 6' inches	R311.7.5.2.1				
232	Rise max: 8 1/4"	R311.7.5.1				
233	Run min: 9"	R311.7.5.2				
234	Nosing required	R311.7.5.3				
235	Hand rail height & grip size	R311.8.3				
236	Guardrail height: 36" min	R312.2				
237	Picket spacing: <4"	R312.1.3				
238	Headroom - 6-8	R311.7.2				
239						