

Appendix F* Checklist

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*From the 2012
INTERNATIONAL
RESIDENTIAL CODE

Checkpoint	Required by Appendix F	SESI Standard Procedure	Pass?
AF103.2 Subfloor preparation.	Gas-permeable layer of aggregate or sand and mat.	3" perforated drain tile around perimeter of each slab with additional lateral runs for areas over 2000 sq. ft.	✓
AF103.3 Soil-gas-retarder.	3-mil or 6-mil flexible sheeting under slab.	<i>Choice of:</i> VaporBlock™ 6, 10, or 15-mil ASTM E-1745-11 Class A, B & C. VaporBlock G™ 15-mil LEED Recycled Core	✓
AF103.4 Entry routes.			
AF103.4.1 Floor openings.	Polyurethane caulk or equivalent	NP-1 Polyurethane exceeds ASTM C719. Mold and mildew resistant, paintable and stainable.	✓
AF103.4.2 Concrete joints.	Polyurethane caulk or equivalent	NP-1 Polyurethane exceeds ASTM C719. Mold and mildew resistant, paintable and stainable.	✓
AF103.4.3 Condensate drains.	Route to daylight	<i>Builder's responsibility (Questions? Call us!)</i>	n/a
AF103.4.4 Sumps.	Gasketed sump cover	High quality sump cover with factory installed foam seal	✓
AF103.4.5 Foundation walls.	Polyurethane caulk or equivalent	NP-1 Polyurethane exceeds ASTM C719. Mold and mildew resistant, paintable and stainable.	✓
AF103.4.6 Dampproofing.	Refer to Section R406	<i>Builder's responsibility (Questions? Call us!)</i>	n/a
AF103.4.7 Air-handling units.	Must be sealed from crawlspace	<i>Builder/HVAC company responsibility (Questions? Call us!)</i>	n/a
AF103.4.8 Ducts.	Must be sealed from crawlspace	<i>Builder/HVAC company responsibility (Questions? Call us!)</i>	n/a
AF103.4.9 Crawl space floors.	Must be sealed	<i>Builder's responsibility (Questions? Call us!)</i>	n/a
AF103.4.10 Crawl space access.	Must be sealed	<i>Builder's responsibility (Questions? Call us!)</i>	n/a
AF103.5.1 Ventilation.	Vent to exterior per Section R408.1	<i>Builder's responsibility (Questions? Call us!)</i>	n/a
AF103.5.2 Soil-gas-retarder.	6-mil polyethylene sheeting	<i>Choice of:</i> VaporBlock™ 6, 10, or 15-mil ASTM E-1745-11 Class A, B & C. VaporBlock G™ 15-mil LEED Recycled Core	✓
AF103.5.3 Vent pipe.	3" vertical vent pipe w/tee	We highly recommend an active radon mitigation system with Limited Lifetime Warranty* featuring 4" schd 40 piping and the best fans in the industry.	✓
AF103.6 Passive sub-slab depressurization system.			
AF103.6.1 Vent pipe.	3" vertical vent pipe w/tee	We highly recommend an active radon mitigation system with Limited Lifetime Warranty* featuring 4" schd 40 piping and the best fans in the industry.	✓
AF103.6.2 Multiple vent pipes.	3" vertical vent pipe w/tee	We highly recommend an active radon mitigation system with Limited Lifetime Warranty* featuring 4" schd 40 piping and the best fans in the industry.	✓
AF103.7 Vent pipe drainage.	Positive drainage to under slab or sheeting.	All our systems maintain a negative grade so all moisture is allowed to drain efficiently. In addition, our top-of-the-line fans are designed to pass water safely and efficiently.	✓
AF103.8 Vent pipe accessibility.	Must accommodate future fan installation.	We highly recommend an active radon mitigation system with Limited Lifetime Warranty* featuring 4" schd 40 piping and the best fans in the industry.	✓
AF103.9 Vent pipe identification.	Exposed vent pipes must be labeled	We place warning labels, fan installation labels, and high-quality, UV-resistant system labels on each system.	✓
AF103.10 Combination foundations.	Each section/type must be mitigated	We mitigate all foundation types and combinations for all your residential and commercial projects.	✓
AF103.11 Building depressurization.	Refer to Section(s) M1601 and R602.8	<i>Builder's responsibility (Questions? Call us!)</i>	n/a
AF103.12 Power source.	Provide box for future fan	We provide details on each proposal about the location of our premium radon fans so there will be no hassles surrounding electrical requirements.	✓



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¹Refer to our Limited Lifetime Warranty policy for more detail.