

# COWLITZ COUNTY DEPARTMENT OF BUILDING AND PLANNING

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## REVIEW ITEMS AT BUILDING INSPECTIONS

### FOOTING INSPECTION

Setbacks to slopes & property lines  
Size of footing  
Rebar : required amount  
    required clearances  
Pad sizes and locations  
Grading/Erosion Control  
Flood plain certification  
Stepped found-revision if not on plans  
Eng. Approval/conditions of permit  
Drain fields flagged  
Special conditions on permit

### FOUNDATION INSPECTION

Size of wall  
Required hold-downs  
Rebar : required amount and  
    required clearances  
Size & spacing of vents  
Height of wall above curb  
Pad sizes and locations  
Check conditions of permit  
Erosion control

### GROUND WORK PLUMBING

Sizing of Pipe  
Test on pipe  
Cushioning material on pipes at slab  
    level  
Slab insulation  
Vapor barrier

### UNDERFLOOR INSPECTION (POST & BEAM)

Joist/Beam ground clearance  
Access throughout crawl space  
Treated lumber in contact w/ concrete  
"Hot-dipped" galvanized anchors  
3"x3" plate washers  
Positive connections:  
    Footings and post-to-beam  
Damp-proofing of basement  
Floor Joist blocking  
Hold-down location and installation  
Foundation drainage elements

### PLUMBING INSPECTION

Test & sizing of supply pipe  
Test & sizing of drain pipe/vent  
Location of vents to openings  
Support of drain and supply pipe  
Frost-free hose bibs  
Water hammer arrestors  
Built-up shower pans  
Installation/Nail plates  
Rodent proofing  
Water supply pressure reducer

### SHEAR WALL INSPECTION

Nailing patterns on sheathing  
Installation of hold-downs, straps  
    and clips  
Nailing of wall plates  
Check engineer's details  
Revisions for stepped foundation  
Anchor bolt placement

### FRAMING INSPECTION

Truss engineering  
Valley Fills / Gable bracing  
Point loads (continuous to foundation)  
Positive connections between posts  
    and beams  
Hold-downs, straps and shear panels  
Framing: beam size, joist size, rafter  
    size and special framing to plans  
Chimneys: height above roof and  
    fire-stopping  
Smoke detectors  
Tempered windows  
Egress windows  
Window/door U-values  
Notches and bored holes  
Floor joist blocking  
Fresh air supply  
Fire-stopping  
Insulation baffles  
Stairways - rise & run, headroom  
Electrical approval  
Attic access  
Crawl space access

### MECHANICAL INSPECTION

Dryer Vent (25' maximum)  
Plenums separated from soil  
Ducts: support, seam seals, insulation  
    and vapor barriers  
Fans: size and ratings and termination  
Access and clearance to furnace  
Fresh air supply  
26 gauge ducts in garage  
Range hood vented to exterior  
Gas piping: size and test  
Gas shut-off at appliances  
Gas appliances 18" above garage floor  
Appliance impact protection in garage

### EXTERIOR COVER

Flashing around windows & doors  
Flashing behind porches & landings  
Flashing at deck ledgers  
Weather resistive barrier (bldg. wrap)  
General weather tightness

### INSULATION INSPECTION

Proper size of materials  
Proper installation  
Sealed plates  
Sealed electrical boxes  
Vapor barrier  
Sealed penetrations  
Insulation and vapor barrier for  
    duct work  
Insulation around windows  
Approval for spray foam ins.

### WALLBOARD NAILING INSPECTION

Nailing schedule  
Interior braced panels  
Correct size & type of materials  
Tile backer board

**Continued on back**

## FINAL INSPECTION

Garage/house door	Smoke detectors
Penetrations in firewall	Egress windows
Fresh air on mechanical or whole house fan	Tempered windows
Certification for manual air damper	Caulk sinks and toilets
Water heater -	Handrails
PRV/Straps/Insulation, pan, drains to outside building & pressure tank	Stairways
Combustion air	Landings
Bollards (mechanical protection)	Open electrical
Attic access	Crawl space access
Insulation in attic/baffles	Insulation in crawl
Ducts in attic/crawl space insulated	Ducts in crawl space insulated
Air gap	Vapor barrier in crawl space
Exterior decks	Grading
Fans, exhaust to outside	Address numbers on house
Debris in crawlspace	Anti-siphon on hose bibs
	Final flood plain certificate
	Check any notes on permit card from prior inspections.

**\*\*NOTE\*\* The above list of inspection items is not meant to be all-inclusive. Additional items such as project specific engineering, planning approvals, soils reports, fire code issues, and conditions on permits should always be reviewed prior to requesting inspections.**