

# Construction Defect Services

## DEFECT AVOIDANCE AND RESOLUTION

Pinnell/Busch is the premier construction defect and building envelope consultant in Oregon and Washington. Our architects, engineers, contractors and project managers advise on or prepare building envelope design, and investigate and remediate water intrusion, MEP system failures, structural defects, and geotechnical problems.

### OUR TEAM OF EXPERTS

#### **Gregory Mockford, Vice President, AIA, CSI**

As Manager of Construction Defect Services, Greg leads our team of experts in avoiding or investigating, analyzing and remediating defects, and testifying as an expert witness or helping negotiate settlements for defect repair. Greg has 30 years experience as a licensed architect, contractor and owner representative.

#### **Dan Cadd and Robert Harp**

Dan and Robert are experienced contractors, highly respected for their expertise and compelling presentation of their findings.

#### **Other Team Members**

Key team members include Art Davis, Alan Taylor, Dave Shriver, Jeff Hankins, and Tony Martinez.

#### ***Conflict Resolution and Litigation Support***

We can assist with a successful resolution whether due to design error, improper construction means and methods, defective materials or systems, or a lack of maintenance. By identifying the true cause of the problem and determining the most reliable, economical, and timely solution, we assist our clients by efficiently assessing the issues. We pride ourselves in our commitment to accurate estimates of damages and appropriate allocation of responsibility to the contributing parties. Whether in expert testimony, superior graphics or written reports, we clearly and effectively present the facts. If requested, we oversee remediation to ensure the problem does not reoccur.

#### ***Building Envelope Consulting***

We also advise architects, owners and contractors on how to avoid building envelope failures through better design and proper installation methods.

Investigation of building envelope defects requires an intimate understanding of building science and water intrusion issues. This includes roofing, cladding, windows, doors, flashing and vapor barriers, in addition to framing. We advise on design errors, manufacturing defects, installation errors, and improper maintenance on projects as small as single-family homes and larger than 150,000 sq. ft. manufacturing facilities and 350,000 sq. ft. offices. And we prepare building envelope design for architects and their clients.

#### ***Likely Suspects for Water Intrusion***

For two decades, Pinnell/Busch has been evaluating Exterior Insulation and Finish System (EIFS) and traditional cement stucco system failures in a variety of building applications. With this extensive exposure, we have gained a comprehensive understanding of the pitfalls in using EIFS and stucco, and the appropriate ways to safeguard a building, and its owners from deterioration, damage, and unexpected maintenance.

#### ***Building Interiors, Finishes, and Sitework***

Other areas of investigation include foundations, interior and exterior finishes, fire safety, cabinetry, decks, excavation, paving, flatwork, drainage, landscaping, irrigation and, in some cases, sound transmission.

#### ***Engineering and Building Systems***

Pinnell/Busch team members have been instrumental in resolving a wide range of mechanical, electrical, structural and geotechnical failures. When necessary, we can locate nationally recognized specialty experts, like the engineer who introduced Teflon bridge bearings to the U.S., to investigate and testify on defect issues.

**PINNELL ♦ BUSCH**

[www.pinnellbusch.com](http://www.pinnellbusch.com)

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Consultants for the Design  
& Construction Industry

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# Construction Defect Services

## Representative Experience

### APARTMENTS & CONDOS

16th Place Condominiums  
 20th Avenue Condominiums  
 Alderbrook Townhomes  
 Ankeny Properties  
 Beaumont Village Lofts  
 Bechtoldt Townhomes  
 Belmont East Condominiums  
 Berkshire Court Apartments  
 Bend Apartments  
 Boardwalk Condos  
 BriarCreek Townhomes  
 Bridgecreek Apartments  
 Brookhurst Condominiums  
 Brookings Apartments  
 Cannery Lofts  
 Curtin Creek Condos  
 Denney Road Rowhomes  
 Ellsworth Condos  
 Fair Acres Apartments  
 Forest Creek Apartments  
 Grace Condominiums  
 Helfenstein Everest Estates  
 Hillsboro Townhomes  
 Hollywood Townhomes  
 Hood View Estates  
 Hunter's Ridge Condominiums  
 Irving Town Houses  
 Kelly Street Condominiums  
 Kingsbury Terrace  
 Lake Oswego Condominiums  
 Lake Shore Condominiums  
 Lakewood Lofts and Condominiums  
 Liberty Oaks Townhomes  
 Mountain Park Heights Homeowners  
 Multnomah Village Townhomes  
 Murray Hill Park Apartments  
 Northrup Commons Homeowners  
 Oswego Hills Condo Deck Inspection  
 Pacific Crest Condominiums  
 Pacific Place I  
 Pacific Place II  
 Pettygrove Condominiums  
 Prescott Condominiums  
 Promenade at Bethany Village I  
 Promenade at Bethany Village II  
 Quimby Townhomes  
 River Park Condominiums  
 Royal Ascot Apartments  
 Scholls Creek Condominiums  
 Sellwood Triplex  
 Shiloh Inn Townhomes  
 South Shore Condominiums  
 Springville Townhomes  
 Stadium Station Apartments  
 Stonewater Townhomes  
 Streetcar Lofts  
 Tidewater Cove Condominiums  
 Trolley Trail Village  
 Village North Point Condominiums  
 Waterford at Fairway Village  
 Waters Edge Condominiums  
 Whale Point Condominiums  
 Woodview Apartments

### COMMERCIAL

4th & Market Building  
 AmberGlen Parkway Offices  
 American Honda  
 Andrea Bed & Breakfast  
 At Home Furniture Showroom  
 Big 5 Center  
 Breedlove Guitar Building  
 Bridge City Medical Clinic  
 Building Recreational Clubhouse  
 Coffee Creek Correctional Facility  
 Coos County Gas Pipeline Investigation  
 Deschutes Brewery, Architect Standard of Care  
 Design Build Homes  
 Director Park Cafe  
 Dishman Community Center Forensic Analysis  
 Extended Stay America Property  
 Fairfield Inn Water Damage and Mold Claim  
 Golden Mortuary  
 Grant County Juvenile Detention Center  
 Halsey Garage Restoration  
 Hillsboro Promenade  
 Holiday Inn Express - Water Intrusion Claim  
 Lamb Building  
 Land America Building  
 Landmark Development  
 Lot 21 Mold Investigation  
 Martha Lake Fire Station  
 Maya's Tacqueria Personal Injury  
 Min's Market  
 Monarch Hotel  
 Monogram Custom Homes  
 Newberg School District  
 OMSI Planetarium Personal Injury  
 Park 217 Building  
 Park Place Office Building  
 Phoenix Inn - Bend & Salem  
 Portland Parks and Recreation, Forensic Analysis  
 Providence - Pardue Anderson  
 Quality Plus Interiors  
 Red Lion Inn & Suites  
 Rivergate Corporate Center  
 Roosevelt Crossing  
 Rose City Dental  
 Salem Mass Transit  
 Scholls Heights Elementary School  
 Seattle Archdiocese - Holy Innocence Parish  
 Shilo Inn - Seaside  
 Silver Falls High School  
 Southridge High School/Beaverton School District  
 South Salem Pharmacy  
 Springwater Trail High School  
 Sublimity Assisted Living Center  
 Summit High School  
 Sun Microsystems Water Leak Damage  
 Sunset Presbyterian Church  
 Thomas Edison High School  
 Tidewater Cove Office Building  
 Tualatin Country Club Roofing Investigation  
 University Station Office Complex  
 Villa on the Lake, Phase 2  
 Wildhorse Casino Resort  
 Worldmark Property  
 Wyndham Hotel & Resort

### RESIDENTIAL - SINGLE FAMILY

Aha Residence  
 Ainslie Residence  
 Aldrich Residence  
 Allison Residence  
 Andersen Residence  
 Ayers Residence  
 Azghandi Residence  
 Azhar Residence  
 Baker Residence  
 Barsocchini Residence  
 Bean Residence  
 Beckham Residence  
 Bergvik Case  
 Bernhardt Residence  
 Bickmore Residence  
 Bishop Residence  
 Bittner Residence  
 Blackett Residence  
 Bolender Home  
 Bransleter Residence  
 Cabe Residence  
 Capps Residence  
 Carlson Residence  
 Casper Residence  
 Castro Residence  
 Chang Residence  
 Christie Residence  
 Churchill Residence  
 Cleasby Residence  
 Cranston Residence  
 Delucia Residence  
 Diamond Residence  
 Doane Residence  
 Doyle Residence  
 Dugoni House  
 Evenstad Residence  
 Evett Residence  
 Forsland Residence  
 Freeman Residence  
 Frye Residence  
 Furman Beach House  
 Garrett Residence  
 Grieser Residence  
 Griffin Residence  
 Grotter Residence  
 Gupton Residence  
 Hager Residence  
 Hausmann Residence  
 Hegstadt Deck Collapse  
 Hemmer Residence  
 Heuberger Residence  
 Hileman Residence  
 Holmes Residence  
 Howard Residence  
 Hubert House  
 Huch Residence  
 Huggins Residence  
 Hunter Residence  
 Ikda Residence  
 Ilias Residence  
 Ing Residence  
 Jackson Residence  
 Jajou Residence  
 Jensen Residence  
 Jones Residence  
 Justin Harold House  
 Kaufman Residence  
 Kirma Residence  
 Kolalev Residence  
 Konen Residence  
 Lee Residence  
 Loch Residence  
 Log Cabin Residence  
 Mack House  
 Manka Residence  
 Marashi Residence  
 Martin Residence  
 Matsen Residence  
 May Residence  
 McFadden Residence  
 McLain Residence  
 Meltzer Home  
 Meyers Residence  
 Monaghan Residence  
 Moore Residence  
 Mosqueda Residence  
 Newman Residence  
 Nguyen Residence  
 Nouri Residence  
 Ohlsen Residence  
 O'Keefe Residence  
 Orlando Residence  
 Orlowski Residence  
 Pagnanos Residence  
 Pasa Residence  
 Peterson Home  
 Phorbek Residence  
 Pitre Residence  
 Plumb Residence  
 Psihogios Residence  
 Ramey Residence  
 Randy Harvey House  
 Reed Residence  
 Reeves Residence  
 Reis Residence  
 Remington Residence  
 Robertson Residence  
 Rutherford Residence  
 Schollander Home  
 Shemesh Residence  
 Siegel Residence  
 Sloan Residence  
 Smejkl Residence  
 Smith Residence  
 Steidelmeyer Home  
 Strahl Residence  
 Straus Residence  
 Taggart Residence  
 Taylor Residence  
 Terry Residence  
 Tong Residence  
 Torez Residence  
 Trees Residence  
 Vian Residence  
 Vischer Residence  
 Wheeler Residence