

Daniel J Cupit
Professional Roofing Consultants

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CERTIFICATIONS

ASCE 2019
Concrete Tile Institute Certified 2012-Present
Engineering EIT 1985
HAAG Engineering Certified Commercial Inspector: 2009-Present
HAAG Engineering Certified Residential Inspector: 2009-Present
NRCA Certa Certified Trainer 2009-2017
NRCA ProCertified Trainer 2018
OSHA 10 Hour Certification 2006
ICC Class-A General Contractors Certification (State of Colorado) 2010-Present

MEMBERSHIPS / APPOINTMENTS

Arvada Code Review Board 2012-Present
Arvada Chamber Board 2011-2012, 2015-Present
Arvada Chamber Code Review Committee 2008-2013
Arvada Transportation Committee 2010-Present, Committee Chair 2013-14
BEC Building Enclosure Council 2007-Present
Capital Improvement Projects Committee, City of Arvada 2014-15
Colorado Roofing Association 2005-Present
CRA Building Code & Standards Committee 2013-Present, Co-Chair 2013
CRA Education Committee, Roofer Education Subcommittee 2008-Present
International Code Council 2012-Present
National Roofing Contractors Association 2005-Present
RCI Roofing Consultants International 2014- Present, Board member 2018-19
Western States Roofing Contractors Association 2018-19

EDUCATION

Bachelor of Science in Civil Engineering, Colorado State University
Additional Coursework in Construction Management
Additional Coursework in Computer Science and Computer Aided Design
Ongoing Industry Education through various organizations including the CRA, NRCA, RCI (2004-present)

PROFESSIONAL EXPERIENCE

Expert Witness: 4 years (2015- present)
Insurance Appraiser / Umpire: 8 years (2010- present)
Roofing Consultant: Residential & Commercial – 18 Years concurrent (2000-present)
Trainer: 10 Years in Roofing Technology (2009-present)
Contractor: Residential and Commercial restoration – 14 Years concurrent (2004-2017)
Manufacturing (Operations Manager): 8 years (1991-1999)
Civil Engineer: 6 years (1985-90)
Engineering Technician: 4 years (1980-84)
Surveying Technician, Draftsman: 4 years (1976-80)

QUALIFICATIONS

Dan Cupit has over 35 years of experience in the construction industry as a surveying technician, engineering technician, civil engineer, roofing contractor, consultant, trainer, appraiser and umpire. That includes engineering, construction and inspection experience since 1980 with the last 18 years in the roofing industry. He also has 8 years of experience in manufacturing in process engineering and operations management. Dan has inspected thousands of residential and commercial properties over the years. He has a class A general contractor's certification and has estimated and managed over 1,200 projects to restore property damage from hail and wind, structural failures, installation defects, manufacture defects, water restoration and fire damage mitigation. These restorations involved a wide variety of scopes of work including but not limited to: structural repairs, framing, interior finish, roofing, siding, soffit, fascia, windows, decks, concrete, and coatings. During that time, Dan has specified, supervised and/or managed the installation of over 2,000 roofing and/or exterior projects and a significant number of structural reinforcement jobs and interior finishes. He is very familiar with the different types of exteriors along with their components and various installation methods.

Over the last 10 years Dan has trained multiple personnel in the inspection, estimating and installation of a wide variety of steep and low slope roof systems. He is an NRCA ProCertified Trainer and has an OSHA 10-hour certification. Dan helped start the roofing education program for the Colorado Roofing Association, coauthored the curriculum for their introduction to roofing classes and authored the CRA coatings and waterproofing class in 2018-19. Dan was on the Colorado Roofing Association State Licensing committee in 2009 and 2010 and helped form the CRA Code and Standards committee in 2013 on which he is still active. Dan is a board member of the Colorado Chapter of IIBEC (International Institute of Building Envelope Consultants), is a member of the Colorado Chapter of the International Code Council, a member of ASCE, and is on The City of Arvada Code Review Board.

As a roofing consultant Dan inspects all types of roofing and exteriors. He designs and recommends roof systems, generates complete project manuals with job specifications and contract language, puts jobs out to bid and inspects the installation to ensure compliance with the job specifications, code and manufactures installation instructions. Dan has specified numerous residential and commercial roofing projects including a wide variety of roof systems from asphalt shingles, tile, metal and synthetic steep slope roofs to built-up, single ply, EPDM, modified low slope roofs, garden roof systems and a wide variety of coatings applications. He has consulted on projects from small single-family residences to large industrial buildings, commercial roof structures, apartment buildings, and multiple unit condominiums.

Dan has personally inspected over two thousand roofs and/or exteriors for design build projects, hail or wind damage, installation defects and manufacturers defects. Dan commonly recommends new roof systems and/or coatings or waterproofing as an option. He also specifies a wide variety of exteriors including a wide range of wall coverings, coatings, paints and finishes. Dan is a HAAG Engineering certified residential and commercial roofing inspector and an experienced roofing consultant.

Dan has been involved with multiple installation and manufacturer defect cases and a large number of insurance claims. Dan is both an insurance appraiser and umpire and has personally estimated and negotiated over twelve hundred insurance claims. These claim estimates have varied from small residential claims under ten thousand to large multi building commercial claims worth over three million dollars in value with detailed scopes of work including over three hundred line-items and over ten trades involved.

Expert Testimony and Reports for Litigation

<u>Date</u>	<u>Type</u>	<u>Case</u>
2019	Expert Report	John Pickens -vs- Gold Roofing Construction defect case
2019	Expert Report	Wollenweber and Lamfers -vs- California Casualty Property insurance damage claim
2019	Expert Report	Woodrun Place Condominium Association -vs- Triton Roofing and Solar Construction defect and breach of contract case
2019	Expert Report	Exterior Guru -vs- Podboy Construction defect case
2019	Expert Report	Deneuve Construction Services -vs- Stonebrook Roofing Construction defect case
2019	Expert Report	Smokey Hill Vinyard Church -vs- Guide One Insurance Property insurance damage claim
2018	Mediation	Denver County Court Case No. 18CV0726 Simon Bros Roofing -vs- Ronnie L. Montano Residential roof installation
2018	Mediation Deposition	Adams County District Court, Colorado Case No. 17CV30184 Jasmine Estates Homeowners Association -vs- Mid-Century Insurance Company Property insurance damage claim
2018	Mediation Expert Report	Chaffee County Combined Court Case No. C82017S26 Tania May -vs- North West Roofing Installation defect case, roofing.
2018	Expert Report Testimony	City and County of Denver District Court Case No. 17CV033275 Patrice Fujisaki Sauter -vs- State Farm Fire and Casualty Company Property insurance damage claim
2017-18	Expert Report Deposition	Plaza 6000 -vs- Auto Owners Insurance Property insurance damage claim.
2017	Testimony	Jefferson County Combined Court, Colorado Case No. 2017S118 The Roof Doctor/Ken Medina -vs - Cordova Installation defect case, roofing.
2017	Expert Report	United States District Court, Colorado Case No. 1:16 CV 01791 MSK MEH Smokey Hill Vinyard Church -vs- Brotherhood Mutual Insurance Company
2017	Expert Report	United States District Court, Colorado Case No. 1:16 CV 01576 WJM Robinwood Condominium Association, Inc. -vs- Lloyd's of London Property insurance damage claim
2017	Testimony	Larimar County Court, Colorado Case No. F17 C 31248 Professional Roofing, Inc. -vs- Mohamad Kalaaji Collection case

Insurance Appraisals and Roofing Expert Reports

2019	Umpire	Grindrod -vs- SAFECO Insurance Property insurance damage claim
2019	Expert Report	Kneib -vs- Peakview Roofing Installation defect case, roofing.
2018	Expert Work	Todd Cadwell -vs- Auto Owners Property insurance damage claim.
2018	Expert Report	Cynthia Humiston -vs- Prime Roofing Installation defect case, roofing.
2018	Expert Report	Rick Preston -vs- ECO Home Exteriors Installation defect case, roofing.
2017	Expert Report	Robert Olson -vs- State Farm insurance Property insurance damage claim.
2017	Report and Bid Packet	Wood Run Condominiums Installation defect case, roof replacement.
2017	Umpire	Israel Herrera -vs- American Family Insurance Property insurance damage claim
2015	Expert Report	Pellouchoud -vs- B's Builders Installation defect case, roofing.
2015	Expert report	David Wilson -vs- Colorado Roofing Installation defect case, roofing.
2015	Umpire	David McVey -vs- SAFECO Insurance Property insurance damage claim

Roof Design and Construction Supervision

2019	Design/Inspection	50,000 sf Shopping Center (roof replacement – ballasted EPDM) 4701 Peoria Street Denver, Colorado
2018	Design/Supervision	56-unit Condominium Complex (roof, gutters, facades, heat film, snow fence) 425 Wood Road Snowmass Village, Colorado

Publications

2018	“Roofing 101 for Green Roofs” Green and Energy Efficient Roof Systems in Colorado’s Extreme Climate (City and County of Denver Green Roof Advisory Council, February 2018)
2015	“Coating Applications on Low Slope and Metal Roof Systems” (PRA Newsletter, MAY 2015)
2011	“Steps to a Successful Exterior Renovation” (CB Relocation Guide, April 2011)

Professional Seminars/Training Presented

2019	Roof the Right Way and Get Paid for it (Professional Roofing Education, May 2019)
2019	Roofing to Code, Mfr. Specifications & Industry Standards (Professional Roofing Education, Feb 2019)
2019	Denver’s Green Buildings Ordinance (Colorado Roofing Association, RCI, Feb2019)
2018	Roof Coatings Course (Colorado Roofing Association, RCI, Nov2018)
2018	Denver Green Roof Initiative (Colorado Roofing Association, RCI, Mar 2018)
2018	Roofing 101 for Green Roof Systems (City & County of Denver, Feb 2018)

- 2015 Ice Dams and The Use of Ice Barriers (City of Arvada Code Review Board, May 2015)
- 2015 Roof coatings application and performance (PRA, May 2015)
- 2014 Certa-Training – Safe Application of Torch Applied Modified Bitumen (NRCA, CRA, April 2014)
- 2012 Hail Damage Identification (PRA, Feb 2012)

Professional Courses and Seminars Attended

- 2019 Interface-Understanding the Impact of Transitions on Façade Performance (Alex Korter, AIA, RIBA, LLED AP)
- 2019 Building Enclosure Pareto Principle: Optimizing Efforts via Collaboration (Patrick Reicher REWC, REWO, CCS, CCA)
- 2019 Parapet Predicaments and Roof Edge Construction (Jennifer Keegan, AAIA, Tracy Myers, RRO, AIA,; GAF)
- 2019 Continuous Insulation: research, Applications, & Resources ... (Jay Crandell – Applied Bldg. Technology Grp.)
- 2019 In The Dark: A Practical Approach To Keeping Low-Slope ... (Jennifer Keegan, AAIA, James Willits; GAF)
- 2019 Air Barriers in the Energy Code: Updates, Compliance ... (Benjamin Meyer, RA, LEED AP – Eng. Cons. Serv.)
- 2019 Good Code vs. Durable Roofs ... (Bas Baskaran, PhD, PE, Domonique Lefebvre; Nat. Research Council CAN)
- 2019 Assessing Retrofit Single-Ply Roof Systems Installed Over Existing Metal ... (James Kirby AIA, GAF)
- 2019 Variations in the Free-Fall Velocities of Hail (Jim D. Koontz, RRC, PE, Jim D. Koontz and Associates)
- 2018 Air and Vapor Barriers in Roofing (James Kirby AIA, Jennifer Keegan Assoc. AIA, GAF)
- 2018 Air and Vapor Barriers (Paul A. Markel, RRO; Carlisle SynTec Systems; RCI)
- 2018 BURSI Roof Insulation and Cover Boards (Derek Nickum EIT, CDT; RCI)
- 2018 Inspection Protocols for Suspicious Roof Related Property Damage Claims (John Sheppard, RRC, RRO)
- 2018 Mechanical Exhaust Vents and Condensation (Philp Dreger RRC, FRCI, PE; RCI)
- 2018 Wind Warranties -vs- Wind Uplift Requirements (Joseph J. Schwetz Sika Sarnafel; RCI)
- 2018 Silicones, Acrylics, Polyurethanes and More! What Coatings Should I Choose? (George Daisy, Dow Chemical)
- 2018 Vapor Retarders and Air Barriers – the Current Conundrum in the Roof Industry (James Kirby, GAF; AIA)
- 2018 A Practical Approach to Low Slope West Coast Wood Deck Roof Systems (James Willits, GAF; AIA)
- 2018 Remediation of Balcony Waterproofing and Structural Framing
- 2018 SPRI Roof Systems Listing Service Program
- 2018 Roof Drainage Design, Roof Collapses and the Codes
- 2018 Impact of Insulation Dimensional Stability on Conventional Roof Performance
- 2018 Climate Change Adaptation Technologies for Roofing
- 2018 It's Not The Heat, It's the Humidity... Or Is It? Condensation Potential.
- 2018 NRCA ProCertification Training (NRCA)
- 2017 Low Slope Roofing Systems (GAF Care Training)
- 2017 Technical Update and Code Compliance (Mark Graham, NRCA, GAF)
- 2017 Critical Components of Welding Thermoplastic Membranes (Walter Brown, Helene Hardy Pierce, RCI)
- 2017 Roof Uplift Testing: Review of Applicable Standards & Industry Practice (Jerry Abendroth, Matt McElvodie)
- 2017 Air Barriers in Commercial Roofing Systems (Helene Hardy Pierce, GAF Conference)
- 2017 Solar and the Roofing Paradigm (Jason Barret, GAF Conference)
- 2016 NRCA Technical Update (Mark Graham, NRCA)
- 2016 Modified Bitumen APP vs. SBS (RCI Denver Chapter)
- 2016 Regulatory, Code Requirements, and Good Roofs (Helene Hardy Pierce, GAF)
- 2016 Code Compliance and Opportunities (Mark Graham, NRCA)
- 2016 Steep Slope Roofing Systems (GAF Care Training)
- 2015 Estimating a Complex Commercial Loss (Xactware Conference 2015)
- 2015 Estimating a Complex Unusual Roofs (Xactware Conference 2015)
- 2015 Coating Solutions Creating New Opportunities (GAF WealthBuilder Conference)
- 2014 Best practices in Insurance Estimating (GAF WealthBuilder Conference)
- 2014 TPO Membrane Performance (CRA)
- 2014 HAAG Commercial Training (HAAG Engineering)
- 2014 HAAG Residential Training (HAAG Engineering)
- 2014 NRCA Technical Issues (Amy Staska, NRCA University)
- 2014 Concrete Tile Institute Program for Moderate Climates (Rick Olson, TRI)