Pete Fowler CONSTRUCTION Services, Inc.

Audience Handout Package

Date:	05/27/2025
To:	
From:	Pete Fowler Construction Services, Inc.
Project:	Rebuilding Your Home or Business After a Catastrophe Webinar 6/5/2025 (PFCS 25-0426)
Regarding:	Audience Handout Package

Meet the Panel

Pete Fowler

CHIEF QUALITY OFFICER - PETE FOWLER CONSTRUCTION

Pete Fowler is a construction consultant, professional cost estimator, President and Chief Quality Officer of Pete Fowler Construction, a licensed general building contractor in California, Nevada, and Oregon. Pete received a B.S. in Construction Management from CSU, Chico. He has held certifications from AAMA,ASPE, ICBO, and others. Mr. Fowler has published articles in national magazines, has been invited to speak by the most important groups in the building industry (AAMA, APRA, ASPE, ASQ, ASTM, BETEC,CAI, CLM, DBIA, ICC, NIBS, PLRB, RCI, etc.), and has composed and delivered hundreds of educational programs on building inspection & testing, estimating, quality & construction management, project management, and claims & litigation. Pete has experience with successful expert witness testimony, including Federal Court.

Michael Villalba

DIRECTOR OF PROJECT DEVELOPMENT - PETE FOWLER CONSTRUCTION

Michael Villalba is an expert construction consultant and cost estimator with experience in virtually every role in the contracting and building industry including laborer, carpenter, superintendent, project manager, estimator, quality control inspector, operations manager, and owner of a general building contracting firm. Mike's experience is wide and deep with project types including single-family residences, multi-family projects, mixed use developments, commercial, institutional, industrial, low-rise, mid-rise, and high-rise construction. Mike serves clients who are property owners and managers, developers and contractors, product manufacturers and suppliers, insurers, and lawyers.

Mike is a seasoned leader having held management positions supervising, directing, training, and evaluating the work of tradesmen as well as professional consulting staff at well-known firms. In his role as a building consultant Mike serves as a technical expert, evaluating and testing physical building performance, examining enormous volumes of project documentation, making repair recommendations, estimating project costs, tendering projects for bid, and rendering professional opinions that aid in moving projects to conclusion. As an expert witness Mr. Villalba is experienced in composing declarations as well as offering deposition and trial testimony.

Attachments

1. Lesson Plan with links to referenced back up materials
2. Power Point Slides

Rebuilding Your Home or Business After a Catastrophe Webinar



OFFICES

CALIFORNIA

(949) 240-9971

29122 Rancho Viejo Road, #114
San Juan Capistrano, CA 92675

NEVADA

(725) 333-2365

2470 St Rose Pkwy, Ste 104
Las Vegas, NV 89074

FLORIDA

(407) 517-0650

174 Semoran Commerce Place, #A-109
Apopka, FL 32703

TEXAS

(469) 677-8710

Pete Fowler CONSTRUCTION Services, Inc.

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Rebuilding Your Home or Business After a Catastrophe

INTRODUCTION

Managing construction is hard, even for professionals. When rebuilding or repairing after a catastrophe, the likelihood of non-professionals making less-than-optimal decisions increases dramatically. The closest thing to a guarantee of success is good counsel from trusted and proven professionals, applying a proven process, and using and sharing good information.

Construction Management principles and practices are well developed, time-tested, and taught in construction management and engineering programs all over the world. And yet, the industry often doesn't mandate or even hold these skills in high esteem; especially in the restoration business. We know that "Rebuilding After a Catastrophe" is a complex construction project and professional construction contracting discipline should be applied from beginning to end.

This program is an overview of a systematic process or framework, a "map of the terrain" so-to-speak, that begins with evaluating the property; then defining the scope, budget and schedule of the repair or replacement work; vetting project players and contracting for the work; professionally managing the work, including the inherent changes during the process, and ultimately closing-out the project. The authors and presenters have each worked on thousands of buildings in their long careers and are now leaders in a national firm.

PROGRAM OUTLINE

1. Introduction
2. A Very Simplified Case Study
3. Contracting Basics
4. Contracting Step-by-Step
5. Case Study: I've Built a Monument to Myself and You Ruined It
6. Risks & Insurance Considerations
7. Conclusion

LEARNING OBJECTIVES

- Review the fundamentals of contracting, including the roles and responsibilities of the various parties who contribute to a project.
- Become familiar with what to do in the planning stage for significant construction or remodeling projects.
- Offer a framework for crafting an agreement between contractor and owner that encourages cost savings and creates a beautiful home.
- Learn how to balance the scope, budget, and schedule when managing large projects.
- Identify the skills a Construction Manager and a Construction Management firm require.
- Understand how those skills will help lead to successful project completion.
- Become aware of the most common pitfalls that cause project shortcomings, defects, delays, cost over-runs, legal disputes and headaches.
- Review the tools needed to keep a project on schedule and on budget.

PROGRAM CONTENTS

1. Introduction – 5 Minutes
    A. Who We Are
    B. Presenter Information
    C. Our Experience with Catastrophes and Fire
    D. Program Outline
    E. Program Introduction
    F. Learning Objectives
2. A Very Simplified Case Study - 10 Minutes
    A. Define – Budget - Schedule
    B. Contract – Coordinate - Verify
    C. Scope of Work & Specifications
    D. Schedule of Values (Budget)
    E. Schedule
    F. Payment Applications
3. Contracting Basics - 10 Minutes
    A. Contracting 101
    B. Professional Contracting Discipline
    C. Who? The Most Important Q
    D. Managing Construction Quality
    E. Who Is In Charge of What?
4. Contracting Step by Step - 10 Minutes
    A. Evaluate
    B. Define & Specify
    C. Budget
    D. Tender & Contract
    E. Schedule & Notice
    F. Project Kickoff
    G. Coordinate Work
    H. Verify Quality
    I. Change Management
    J. Payment Processing
    K. Project Close
5. Case Study: I've Built a Monument to Myself and You Ruined It - 10 Minutes
    A. Background
    B. Contracting Recommendations
    C. Contracting Action Steps
    D. Define
    E. Budget & Schedule
    F. Contract
    G. PFCS Building Rehabilitation Process
6. Risk and Insurance Considerations - 10 Minutes
    A. The ABC's of Risk Management
    B. Risk Identification
    C. Fund Control
    D. Insurance Requirements
    E. Insurance Considerations
7. Conclusion – 5 Minutes
    A. Backup Materials
    B. Feedback

BACKUP MATERIALS

1. Fire Loss Construction Management Flier by Pete Fowler Construction
2. Managing Construction Quality by Pete Fowler
3. Sample Residential Construction Schedule
4. Sample Schedule of Values
5. Sample Progress Schedule
6. Case Study: You've Ruined my Monument to Myself!
7. Sample Contracting Recommendations
8. PFCS' The DBSKCV Construction Management Method
9. PFCS' Managing Property Maintenance & Improvement
10. Contractor Pre-Qualification Checklist by Pete Fowler Construction


WEBINAR
Pete Fowler
CONSTRUCTION
Services, Inc.
THURSDAY, JUNE 5th, 2025 @ 5:00PM PT
Rebuilding Your Home or Business After a Catastrophe
With Pete Fowler and Michael Villalba

1

ABOUT US

Building Experts.

Helping Smart People
Make Smart Decisions



Construction Defects



Property Claims



Personal Injury Claims



Contract Claims



Estimating, Quality & Construction Management

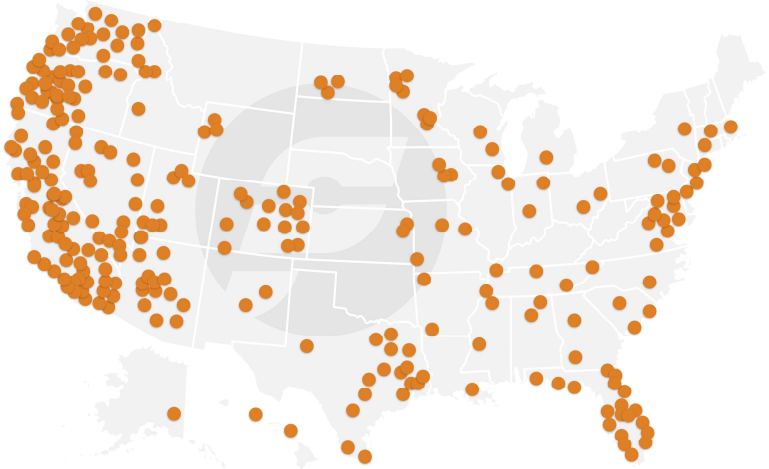


Fire Claims

2

Project Map

Pete Fowler CONSTRUCTION Consultants



Our Clients

1. Lawyers
2. Insurers
3. Builders, Developers & Construction Contractors
4. Product Manufacturers & Suppliers
5. Government
6. Financial Institutions Including Lenders
7. Property Owners & Managers

3

Meet our Presenters



Pete Fowler

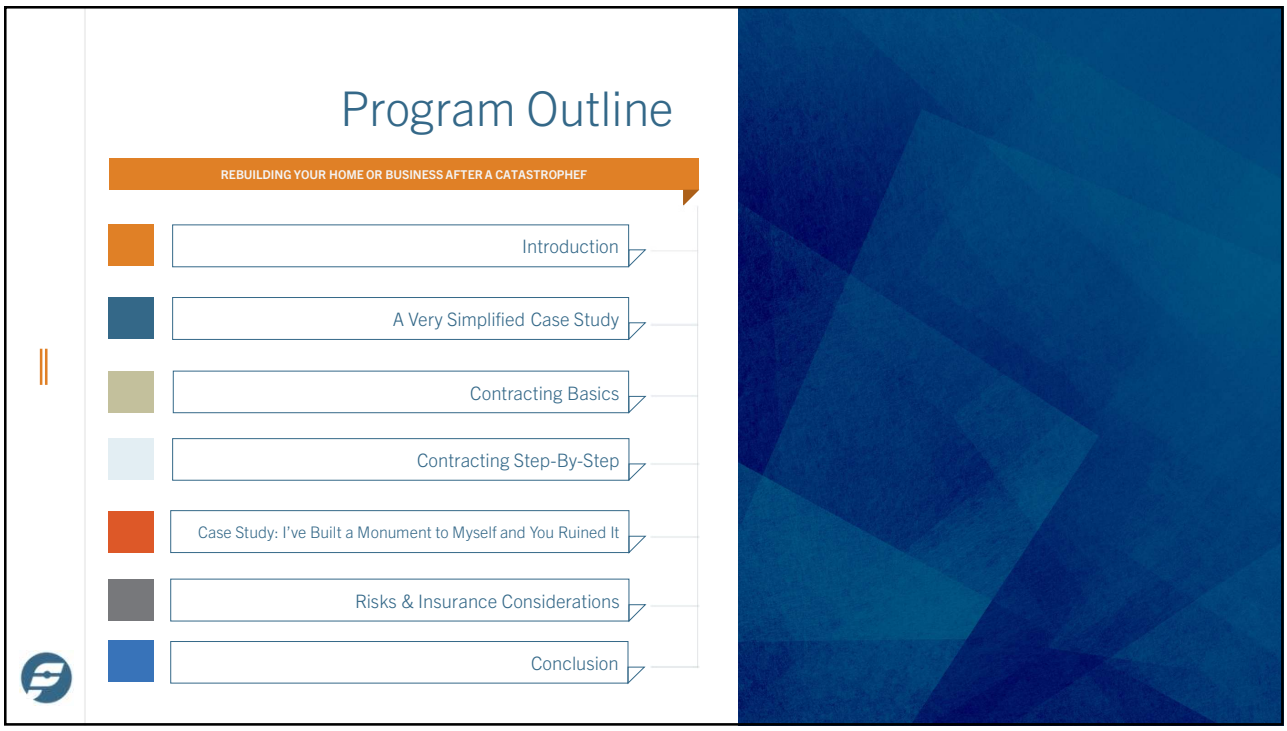
Chief Quality Officer
Pete Fowler Construction



Michael Villalba

Director of Project Development
Pete Fowler Construction

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Program Outline
REBUILDING YOUR HOME OR BUSINESS AFTER A CATASTROPHEF
Introduction
A Very Simplified Case Study
Contracting Basics
Contracting Step-By-Step
Case Study: I've Built a Monument to Myself and You Ruined It
Risks & Insurance Considerations
Conclusion

5



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Learning Objectives

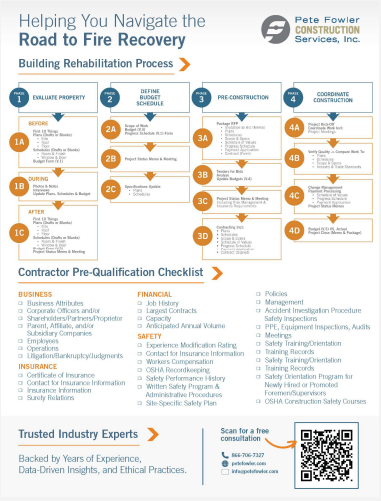


- Review the fundamentals of contracting, including the roles and responsibilities of the various parties who contribute to a project.
- Become familiar with what to do in the planning stage for significant construction or remodeling projects.
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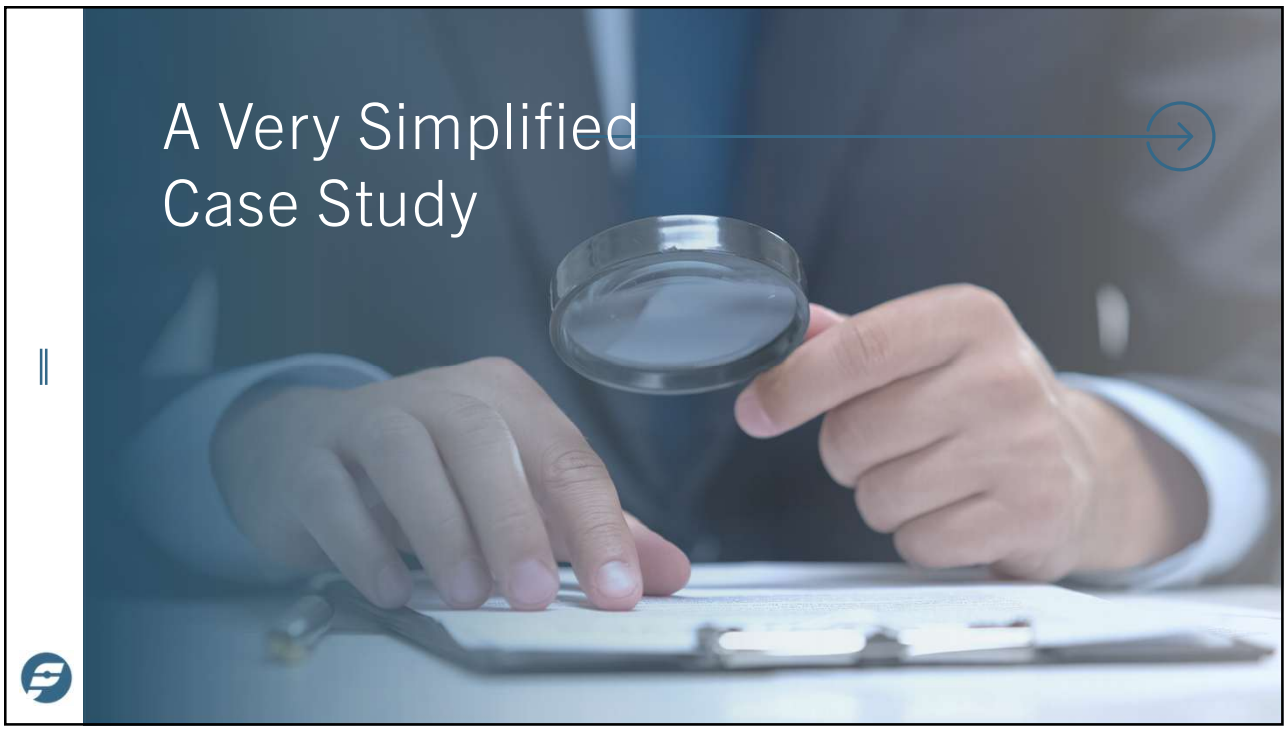
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Helping You Navigate the Road to Fire Recovery





8



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Define - Budget - Schedule

Define:

A new outhouse approx. 100 feet from an existing rural residence. Not pretentious; a quality and esthetic consistent with the residence. The building shall be 4 feet square and 8 feet tall, a single door and one interior seat. Wood frame construction, exterior wood siding, and sloped roof with asphalt composition shingles. See Specifications for details.

Budget:

Total project costs of approx. $1,000.

Schedule:

We need to have this new construction completed before the end of this year.



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Contract - Coordinate - Verify



Contract:
We intend to construct this project under a traditional Design-Bid-Build scenario, with a construction manager as advisor.

Coordinate:
We will have a construction manager as advisor to the owner who stewards the project from beginning to end, coordinating design professionals, soliciting bids, facilitating contract agreements, processing payments, and verifying conformance.

Verify:
The construction manager will process payment applications, conduct site visits at pre-defined hold points and conduct a final walk-through with the general contractor.

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Scope of Work & Specifications

1. **Excavation:** Strict conformance with National Outhouse Builders Association (NOBA) Manual of Practice for excavation.

2. **Walls:**
   A. Materials: Top quality lumber. Non-corrosive fasteners.
   B. Workmanship: Strict conformance with NOBA Manual.

3. **Roof:**
   A. Materials: GAF roofing materials. Style selected by Owner.
   B. Workmanship: Confirm with manufacturers instructions.

4. **Signage:**
   See photograph.

5. **Paint:**
   A. Paint Materials: Matched primer and two topcoats from a national manufacturer.
   B. Sealant Materials: Shall conform with ASTM C920.
   C. Workmanship: Strict conformance with manufacturer's recommendations.

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Schedule of Values
(Budget)

MILESTONES VS. VALUES

Notes:

(1.) Allowance of $30 for hardware
(2.) Allowance of $40 for signs
(3.) Allowance of $40 for paint material
(4.) Exclusion - Ladder

#	Scope	Milestone	Value	PMT #1	PMT #2	PMT #3	Total Paid
1	Excavation	200	250	0	0	0	0
2	Walls *1	200	300	0	0	0	0
3	Roof	200	200	0	0	0	0
4	Signage*2	100	50	0	0	0	0
5	Paint*3	100	100	0	0	0	0
6	Complete	200	100	0	0	0	0
7	Total	1,000	1,000	0	0	0	0
8	-	-	-	-	-	-	-
9	CO#1	-	-	-	-	-	-
10	CO#2	-	-	-	-	-	-
11	CO#3	-		-	-	-	-
12	CO#4	-	-	-	-	-	-
13	-	-	-	-	-	-	-
14	**Total**	-	-	-	-	-	-

Schedule

#	What	When (Week)
1	Excavation	1
2	Walls	2
3	Roof	2
4	Paint	3
5	Complete	3

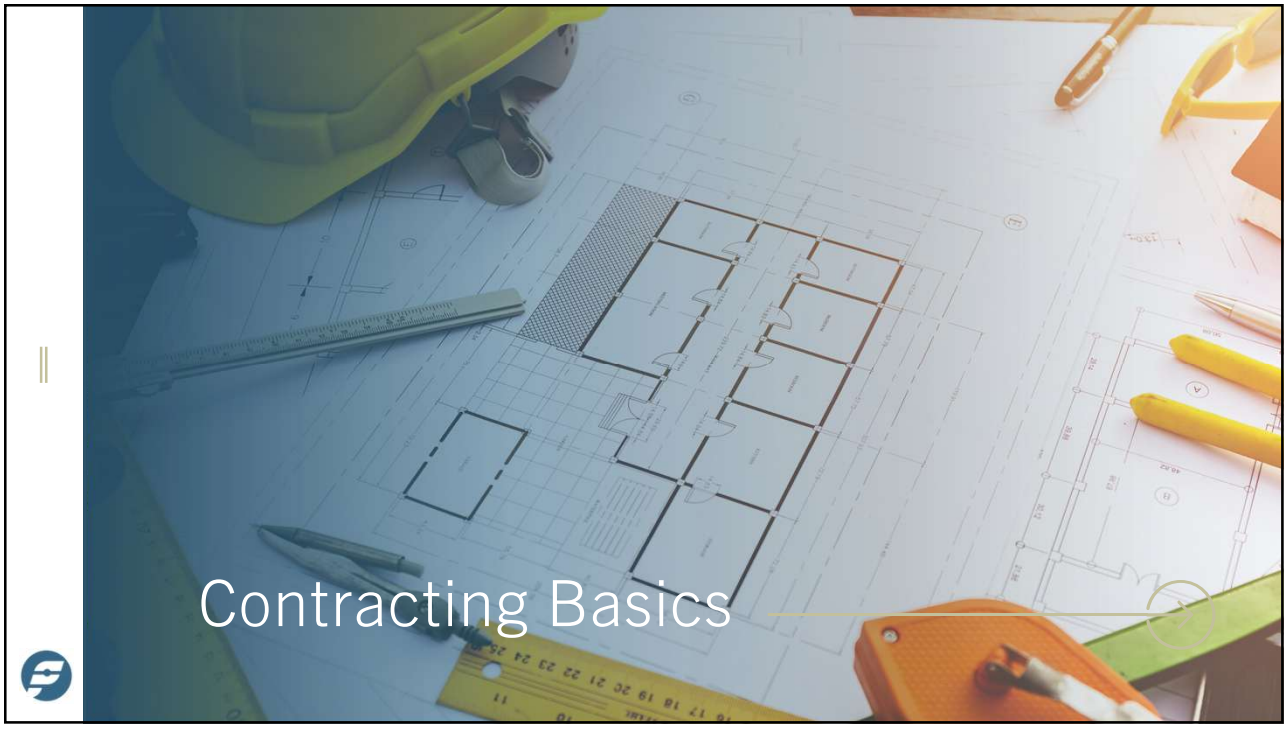
Payment Application

PAYMENT APPLICATION

Notes:

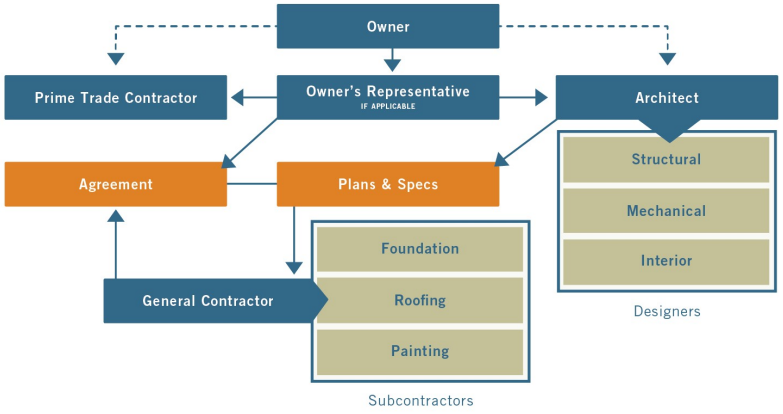
(1.) Allowance of $30 for hardware
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(3.) Allowance of $40 for paint material
(4.) Exclusion - Ladder

#	Scope	Milestone	Value	PMT #1	PMT #2	PMT #3	Total Paid
1	Excavation	250	200	0	0	200	250
2	Walls *1	300	30	0	0	30	300
3	Roof	200	0	0	0	0	200
4	Signage*2	50	0	0	0	0	50
5	Paint*3	100	0	0	0	0	100
6	Complete	100	0	0	0	0	100
7	Total	1,000	230	0	0	230	1,000
8	-	-	-	-	-	-	-
9	CO#1 Hardware	10	10	-	-	10	10
10	CO#2 Delete Signs	-50	-	-	-	-	-50
11	CO#3	-	-	-	-	-	-
12	CO#4	-	-	-	-	-	-
13	-	-	-	-	-	-	-
14	**Total**	960	240	-	-	240	960



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Contracting 101



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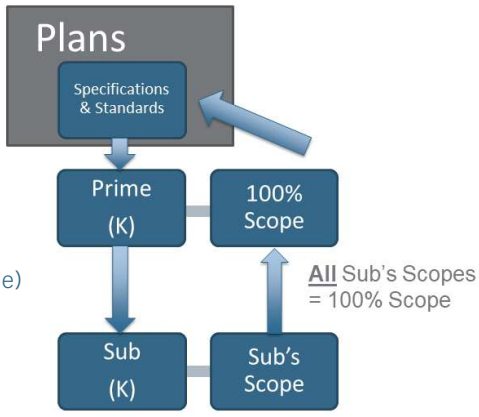
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Professional Contracting Discipline

PROJECT CONTROLS

Policies, procedures, and measurable tasks to communicate with the owner and control all aspects of the project.

- Scope Management
- Budget & Cost Accounting & Invoicing
- Planning and Progress Management (Schedule)
- Variation/Change Control
- Risk Analysis
- Project Reporting



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Who? The Most Important Q

CONTRACTOR PRE-QUALIFICATION CHECKLIST

BUSINESS
- Business Attributes
- Corporate Officers and/or
- Shareholders/Partners/Proprietor
- Parent, Affiliate, and/or Subsidiary Companies
- Employees
- Operations
- Litigation/Bankruptcy/Judgments

INSURANCE
- Certificate of Insurance
- Contact for Insurance Information
- Insurance Information
- Surety Relations

FINANCIAL
- Job History
- Largest Contracts
- Capacity
- Anticipated Annual Volume

SAFETY
- Experience Modification Rating
- Contact for Insurance Information
- Workers Compensation
- OSHA Recordkeeping
- Safety Performance History
- Written Safety Program & Administrative Procedures
- Site-Specific Safety Plan
- Policies
- Management
- Accident Investigation Procedure Safety Inspections
- PPE, Equipment Inspections, Audits
- Meetings
- Safety Training/Orientation
- Training Records
- Safety Training/Orientation
- Training Records
- Safety Orientation Program for Newly Hired or Promoted Foremen/Supervisors
- OSHA Construction Safety Courses



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Managing Construction Quality

10/17/2014

PROJECT NAME

Independent Quality Review

Page 1 of 1

Line	Description of Potential Services	Service and Document Review Levels																Typical Durations	
		1A	1B	1C	2A	2B	2C	3A	3B	3C	4A	4B	4C	5A	5B	5C	6A	6B	6C	Low	High
1	Evaluation of plans and specifications	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	8	40
2	Evaluation of referenced standards		x	x		x	x		x	x		x	x		x	x		x	x	4	40
3	Evaluation of contracts (scope of work)			x			x			x			x			x			x	4	40
4	Hold Point Development							x	x	x	x	x	x	x	x	x	x	x	x	4	40
5	Mock-Up of Assemblies and Testing										?	?	?	?	?	?	x	x	x	16	80
6	Recommendations (final)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	8	80
7	Meetings or Teleconferences	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	2	40
8	Review of Updated Design	?	?	?	?	?	?	?	?	?	?	?	?	x	x	x	x	x	x	4	40
9	Visual Inspection				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	4	160
10	Testing							x	x	x	x	x	x	x	x	x	x	x	x	8	80
11	Final Report										x	x	x	x	x	x	x	x	x	8	40
12																					
13	Potential Deliverables																				
14	Opinion Letter re: Evaluation	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	2	16
15	Issues List with Recommendations	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	2	16
16	Inspection Summary				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	2	8
17	Inspection Report										x	x	x	x	x	x	x	x	x	4	16
18	Location Matrix				?	?	?	?	?	?	?	?	?	x	x	x	x	x	x	1	16
19	Hold Points				?	?	?	x	x	x	x	x	x	x	x	x	x	x	x	1	16
20	Testing Protocol							x	x	x	x	x	x	x	x	x	x	x	x	2	16
21	Testing Summary Report							x	x	x	x	x	x	x	x	x	x	x	x	4	16
22	Project Close Report							?	?	?	?	?	?	x	x	x	x	x	x	4	16

Who is in Charge of What?

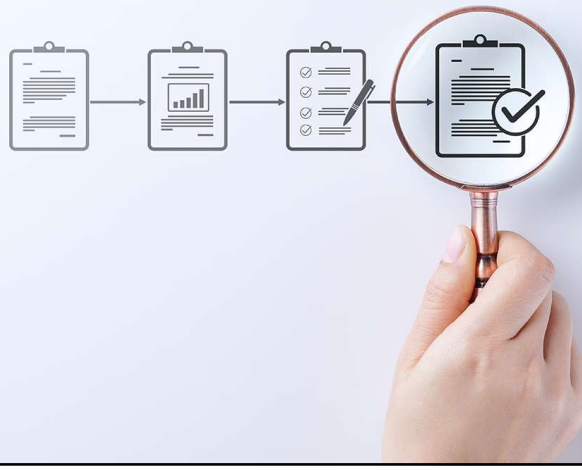
BLM	ACTIVITIES/DELIVERABLES
1. Evaluate	Documents, Meetings, Inspection Reports, Property Condition Assessment
2. Define & Specify	Scope of Work, Specifications, RFP for Design, Meetings
3. Budget	Budget, Estimate, Meetings
4. Tender & Contract	Request for Proposal (RFP), Bid Analysis, Recommendations, Contracts
5. Schedule & Notice	Progress Schedule, Correspondence
6. Project Kickoff	Meeting Agenda & Minutes
7. Coordinate Work	Correspondence, Meeting Minutes
8. Verify Quality	Inspection Checklists, Inspection Report, Rework Notice
9. Change Management	Proposed Change Order Analysis, Change Order, Meetings, Budget Updates
10. Payment Processing	Project Status Memo, Payment Application Memo
11. Project Close	Project Close Memo, Lien Releases, Maintenance Plan, Warranty
12. Repeat Forever	Opinion Letter

Contracting Step-by-Step

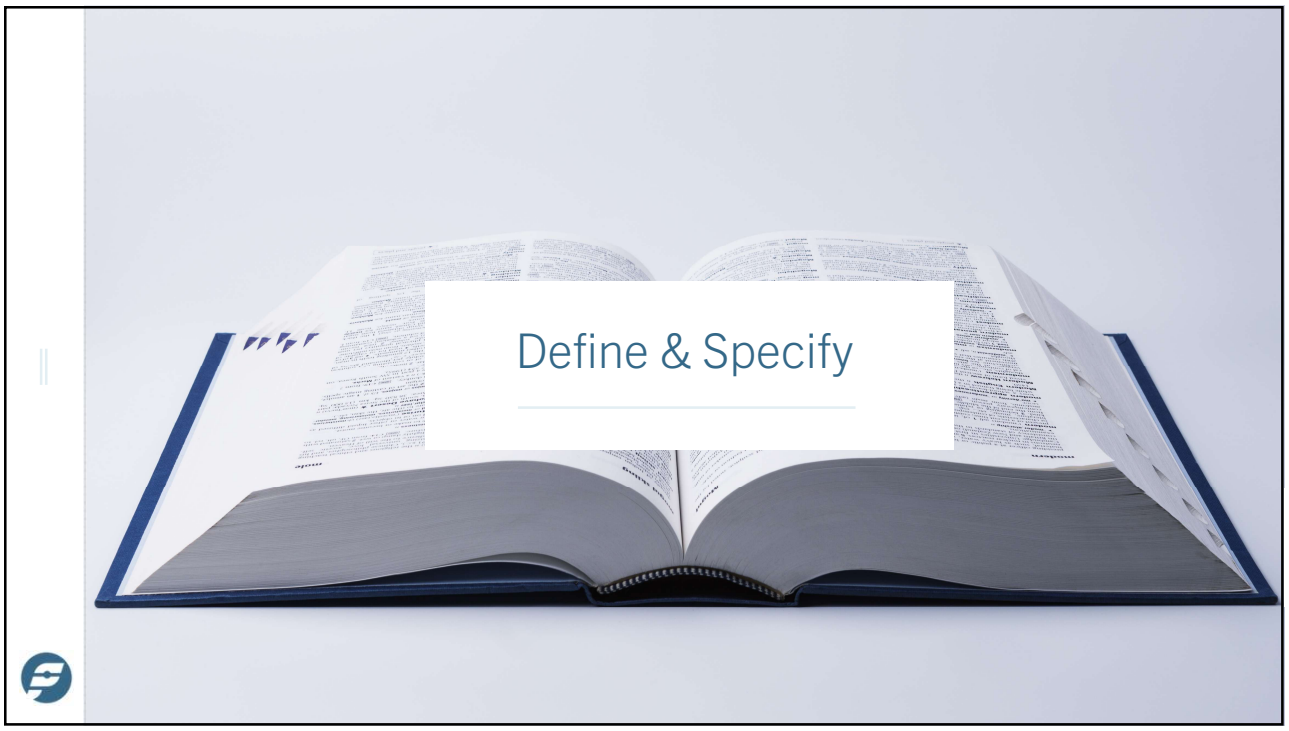


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Evaluate



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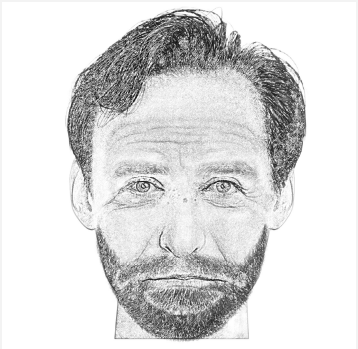
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Tender & Contract

WHO WOULD YOU PREFER AS YOUR CONTRACTOR?



Criminal

VS



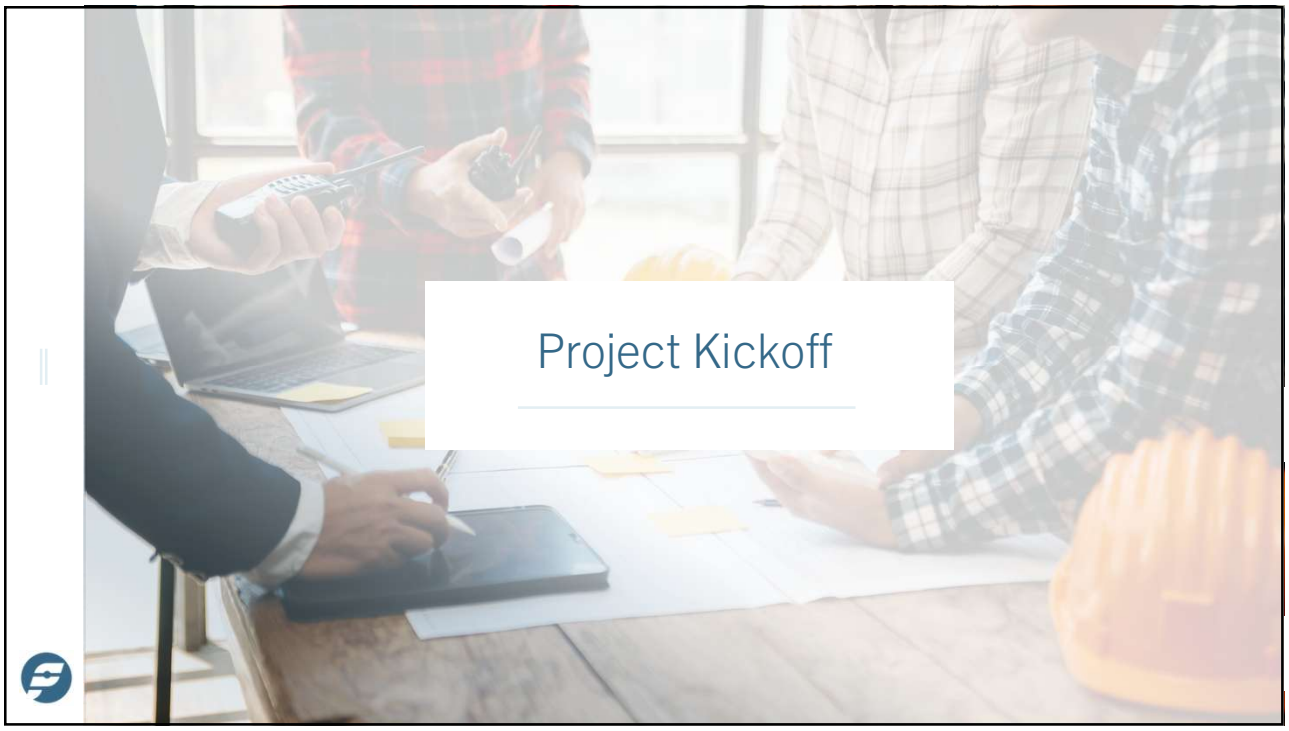
Incompetent

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Schedule & Notice



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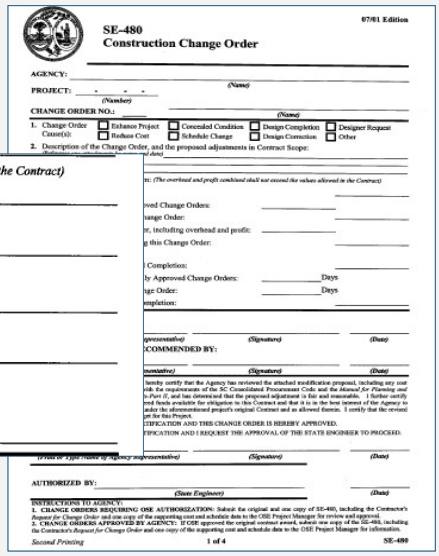
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Change Management

3. Adjustments in the Contract Sum: *(The overhead and profit combined shall not exceed the values allowed in the Contract)*
   a. Original Contract Sum: _____
   b. Change by Previously Approved Change Orders: _____
   c. Contract Sum prior to this Change Order: _____
   d. Amount of this Change Order, including overhead and profit: _____
   e. New Contract Sum, including this Change Order: _____
4. Adjustments in Contract Time:
   a. Original Date for Substantial Completion: _____
   b. Change in Days by Previously Approved Change Orders: _____ Days
   c. Change in Days for this Change Order: _____ Days
   d. New Date for Substantial Completion: _____



07/01 Edition

SE-480
Construction Change Order

AGENCY: _____ (Name)

PROJECT: _____ (Number) _____ (Name)

CHANGE ORDER NO.: _____

1. Change Order Cause(s): ☐ Enhance Project ☐ Reduce Cost ☐ Concealed Condition ☐ Schedule Change ☐ Design Completion ☐ Design Correction ☐ Designer Request ☐ Other

2. Description of the Change Order, and the proposed adjustments in Contract Scope:

(The overhead and profit combined shall not exceed the values allowed in the Contract)

ved Change Orders: _____

ange Order: _____

r, including overhead and profit: _____

g this Change Order: _____

Completion: _____

ly Approved Change Orders: _____ Days

ge Order: _____ Days

mpletion: _____

(Signature) (Date)

COMMENDED BY:

(Signature) (Date)

hereby certify that the Agency has reviewed the attached modification proposal, including any cost ith the requirements of the SC Consolidated Procurement Code and the *Manual for Planning and* s Part II, and has determined that the proposed adjustment is fair and reasonable. I further certify ved funds available for obligation in this Contract and that it is in the best interest of the Agency to nder the aforementioned project's original Contract and as allowed therein. I certify that the revised rt for this Project.

TIFICATION AND THIS CHANGE ORDER IS HEREBY APPROVED.
FICATION AND I REQUEST THE APPROVAL OF THE STATE ENGINEER TO PROCEED.

(Signature) (Date)

AUTHORIZED BY: _____
(State Engineer) (Date)

INSTRUCTIONS TO AGENCY:
1. CHANGE ORDERS REQUIRING OSE AUTHORIZATION: Submit the original and one copy of SE-480, including the Contractor's *Request for Change Order* and one copy of the supporting cost and schedule data to the OSE Project Manager for review and approval.
2. CHANGE ORDERS APPROVED BY AGENCY: If OSE approved the original contract award, submit one copy of the SE-480, including the Contractor's *Request for Change Order* and one copy of the supporting cost and schedule data to the OSE Project Manager for information.

Second Printing 1 of 4 SE-480

Payment Processing



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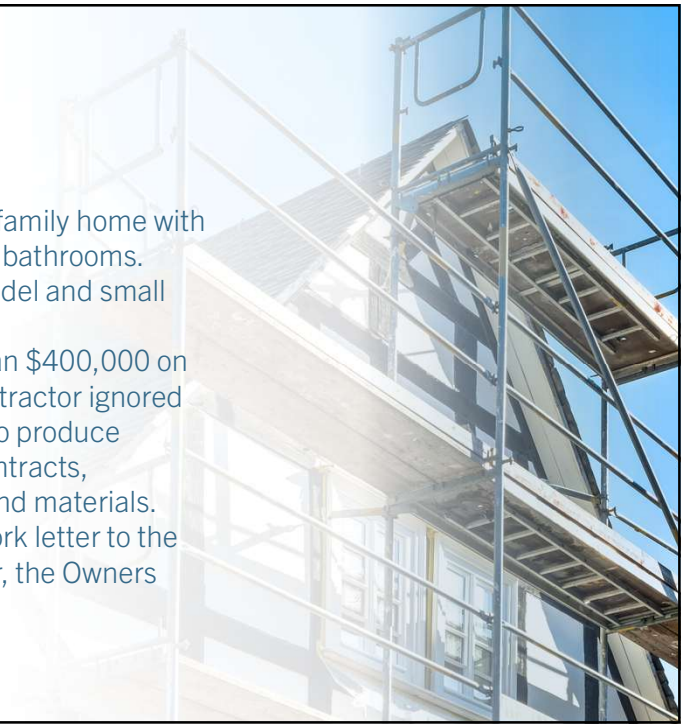
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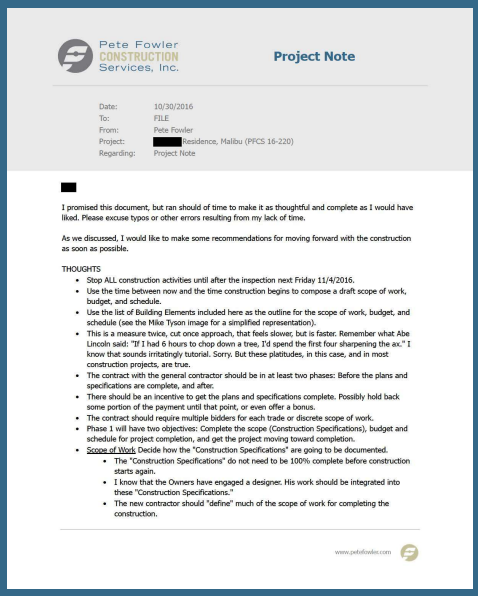
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Background

- 2,718 square foot single family home with four bedrooms and three bathrooms.
- The home is amid a remodel and small addition.
- After being paid more than $400,000 on the time & materials, contractor ignored requests by the Owners to produce information related to contracts, contractors, payments, and materials.
- Contractor sent a stop work letter to the Owners. A few hours later, the Owners terminated the contract.



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Pete Fowler CONSTRUCTION Services, Inc.

Project Note

Date: 10/30/2016
To: FILE
From: Pete Fowler
Project: [redacted] Residence, Malibu (PFCS 16-220)
Regarding: Project Note

[redacted]

I promised this document, but ran should of time to make it as thoughtful and complete as I would have liked. Please excuse typos or other errors resulting from my lack of time.

As we discussed, I would like to make some recommendations for moving forward with the construction as soon as possible.

THOUGHTS

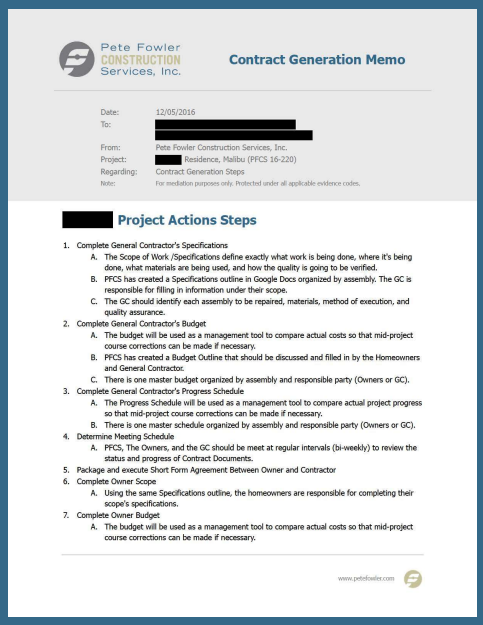
- Stop ALL construction activities until after the inspection next Friday 11/4/2016.
- Use the time between now and the time construction begins to compose a draft scope of work, budget, and schedule.
- Use the list of Building Elements included here as the outline for the scope of work, budget, and schedule (see the Mike Tyson image for a simplified representation).
- This is a measure twice, cut once approach, that feels slower, but is faster. Remember what Abe Lincoln said: "If I had 6 hours to chop down a tree, I'd spend the first four sharpening the ax." I know that sounds irritatingly tutorial. Sorry. But these platitudes, in this case, and in most construction projects, are true.
- The contract with the general contractor should be in at least two phases: Before the plans and specifications are complete, and after.
- There should be an incentive to get the plans and specifications complete. Possibly hold back some portion of the payment until that point, or even offer a bonus.
- The contract should require multiple bidders for each trade or discrete scope of work.
- Phase 1 will have two objectives: Complete the scope (Construction Specifications), budget and schedule for project completion, and get the project moving toward completion.
- Scope of Work Decide how the "Construction Specifications" are going to be documented.
  - The "Construction Specifications" do not need to be 100% complete before construction starts again.
  - I know that the Owners have engaged a designer. His work should be integrated into these "Construction Specifications."
  - The new contractor should "define" much of the scope of work for completing the construction.

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Contracting Recommendations

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Contracting Action Steps



Pete Fowler CONSTRUCTION Services, Inc.

Contract Generation Memo

Date: 12/05/2016
To: [redacted]
From: Pete Fowler Construction Services, Inc.
Project: [redacted] Residence, Malibu (PFCS 16-220)
Regarding: Contract Generation Steps
Note: For mediation purposes only. Protected under all applicable evidence codes.

[redacted] Project Actions Steps

1. Complete General Contractor's Specifications
   - A. The Scope of Work /Specifications define exactly what work is being done, where it's being done, what materials are being used, and how the quality is going to be verified.
   - B. PFCS has created a Specifications outline in Google Docs organized by assembly. The GC is responsible for filling in information under their scope.
   - C. The GC should identify each assembly to be repaired, materials, method of execution, and quality assurance.
2. Complete General Contractor's Budget
   - A. The budget will be used as a management tool to compare actual costs so that mid-project course corrections can be made if necessary.
   - B. PFCS has created a Budget Outline that should be discussed and filled in by the Homeowners and General Contractor.
   - C. There is one master budget organized by assembly and responsible party (Owners or GC).
3. Complete General Contractor's Progress Schedule
   - A. The Progress Schedule will be used as a management tool to compare actual project progress so that mid-project course corrections can be made if necessary.
   - B. There is one master schedule organized by assembly and responsible party (Owners or GC).
4. Determine Meeting Schedule
   - A. PFCS, The Owners, and the GC should be meet at regular intervals (bi-weekly) to review the status and progress of Contract Documents.
5. Package and execute Short Form Agreement Between Owner and Contractor
6. Complete Owner Scope
   - A. Using the same Specifications outline, the homeowners are responsible for completing their scope's specifications.
7. Complete Owner Budget
   - A. The budget will be used as a management tool to compare actual costs so that mid-project course corrections can be made if necessary.

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Define

1. B1001 Concrete Structure Crack Repairs

1. General	The concrete panels are cracked, allowing leakage, damaging the paint, and require repair.
2. Materials	Euclid DURALCRETE LV – Low Viscosity Epoxy Injection Resin and Binder (see attached specifications)
3. Execution	All products shall be applied in strict conformance with manufacturer's application instructions. Allowance to be provided for concrete crack repairs, based on visual inspection of property. Most cracks are located at south and west elevation panels. All crack repairs to utilize Euclid Chemicals products and installation instructions.
4. Quality Assurance	Hold-Point. Owner's Representative and/or product manufacturer's representative shall inspect after material application is complete but before it is covered.



AP 2.484

DURALCRETE® LV

LOW VISCOSITY EPOXY INJECTION RESIN AND BINDER

DESCRIPTION

DURALCRETE LV is a low viscosity, two part, 100% solids, low odor, 2:1 mix ratio, moisture insensitive epoxy resin

PRIMARY APPLICATIONS

- Concrete crack injection
- Gravity feed horizontal crack repair
- Vertical anchor bolt grouting
- Urethane to horizontal concrete repairs

FEATURES/BENEFITS

- High strength
- Provides load transfer
- Virtually no odor
- 2:1 mix ratio
- Tenacious bond
- Moisture insensitive
- Deep penetration
- Can contribute to LEED points.

TECHNICAL INFORMATION

Material Properties 73°F

Color (mixed)	Clear Amber
Solids, %	100
Mixing ratio (Parts A:B) by volume	2:1
Gel time, mins	30 to 65
Viscosity, cps	300 to 500
Compressive Strength ASTM D 695, psi (MPa)	
1 day (neat resin),	6,800 (56.3)
7 days (neat resin),	11,200 (77.2)
Compression Modulus ASTM D 695, psi (MPa)	
7 days (neat resin)	285,000 (1927)
Compressive Strength ASTM C 109, psi (MPa)	
7 days (mortar)	10,300 (71.0)

Tensile Properties ASTM D 638 @ 14 days

Ultimate strength, psi (MPa)	7,105 (49.1)
Elongation at break, %	2.2
Modulus, psi (MPa)	288,000 (1972)
Bond Strength ASTM C 882, psi (MPa)	
Hardened to hardened concrete	
1 day (moist cure)	2,150(14.8)
14 days (moist cure)	2,950 (17.8)
14 days (dry cure)	2,825 (19.5)
Heat Deflection Temp. ASTM D 648	128°F (52°C)
Water Absorption ASTM D 570	
7 day, 24 hour immersion, %	0.34

Data presented are typical laboratory values.

PACKAGING

DURALCRETE LV is packaged in 15 gal (56.78 L) unit and 3 gal (11.36 L) case.

SHELF LIFE

2 years in original, unopened package.

SPECIFICATIONS/COMPLIANCES

ASTM C 881, Type I & IV Grade 1, Class B & C

COVERAGE

For anchoring, 1 neat gal yields 231 in³ of grout. One gallon of DURALCRETE LV mixed with 4 gal (15.14 L) of dry 20/40 mesh silica sand will yield approximately 0.48 ft³ (.01 m³) of mortar. Coverage will vary depending on surface texture, porosity and temperature.

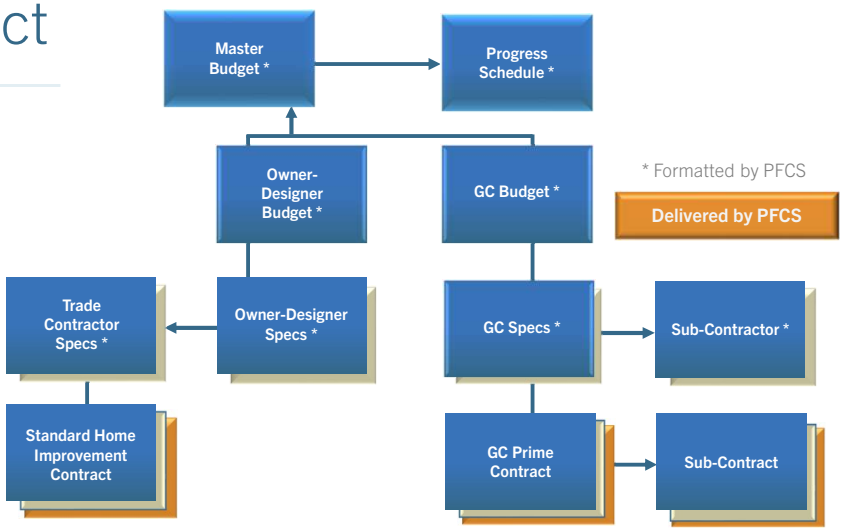
DIRECTIONS FOR USE

Surface Preparation: Concrete: The surface must be structurally sound, dry, free of grease, oils, coatings, dust, curing compounds and other contaminants. Surface laitance must be removed. The preferred method is abrasive blasting to achieve profiling or other mechanical means. Oil contaminated surfaces should be degreased. Remove defective concrete, honeycombs, cavities, joint cracks, voids and other defects by routing to sound material.



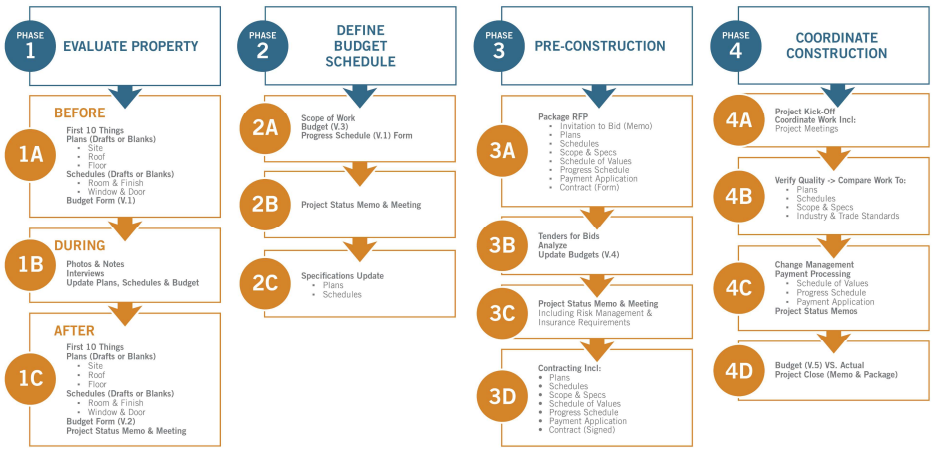
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Contract

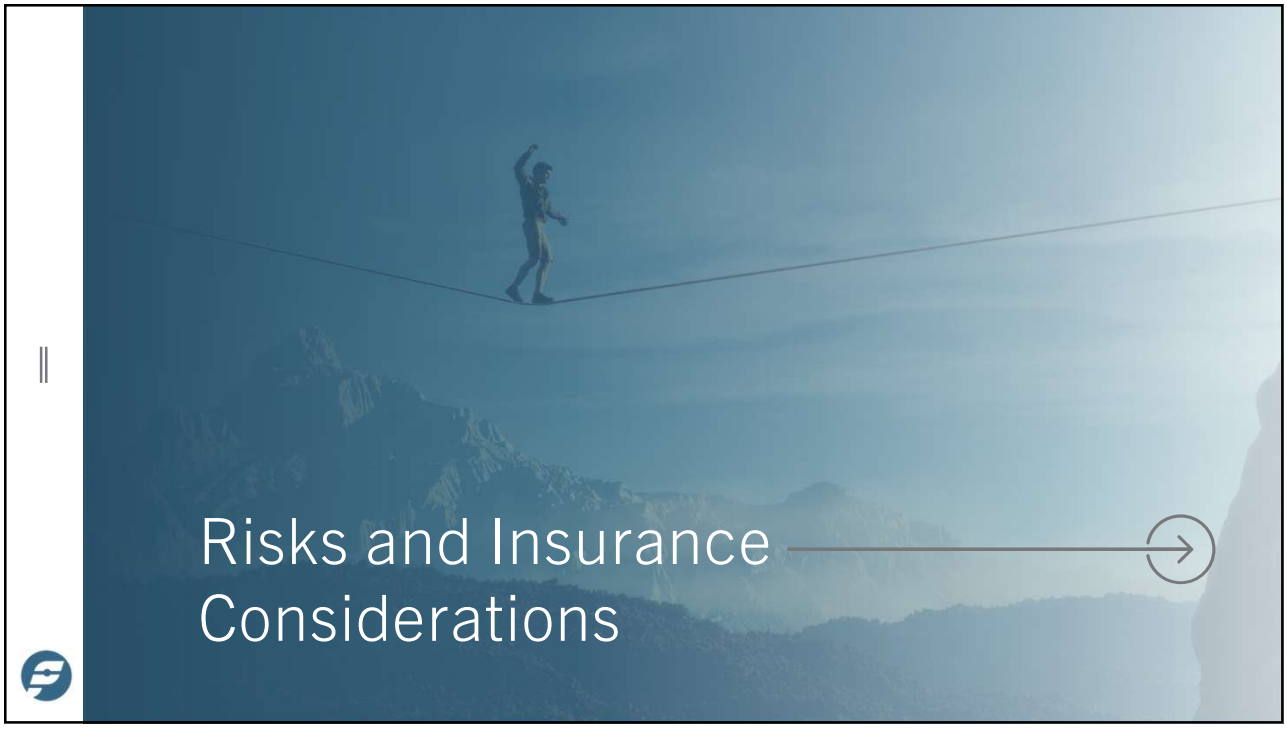

Master Budget *
Progress Schedule *
Owner-Designer Budget *
GC Budget *
* Formatted by PFCS
Delivered by PFCS
Trade Contractor Specs *
Owner-Designer Specs *
GC Specs *
Sub-Contractor *
Standard Home Improvement Contract
GC Prime Contract
Sub-Contract

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PFCS Building Rehabilitation Process

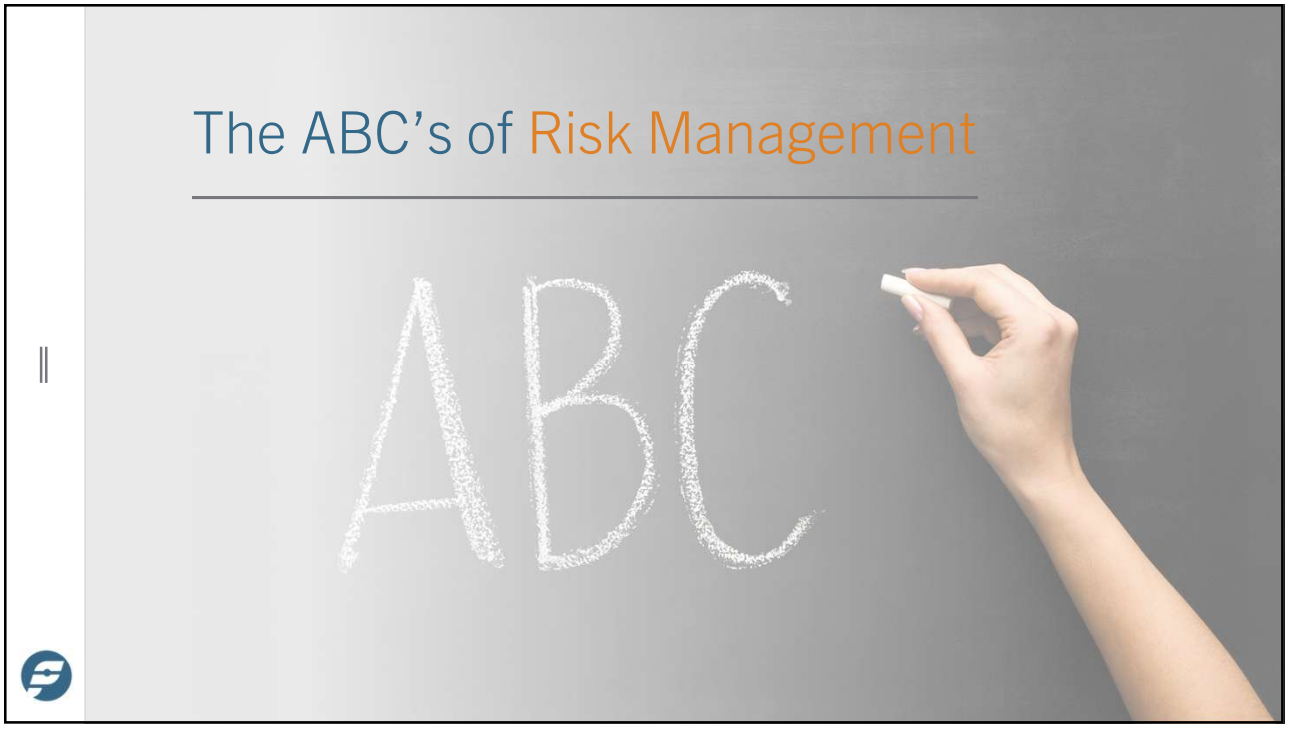


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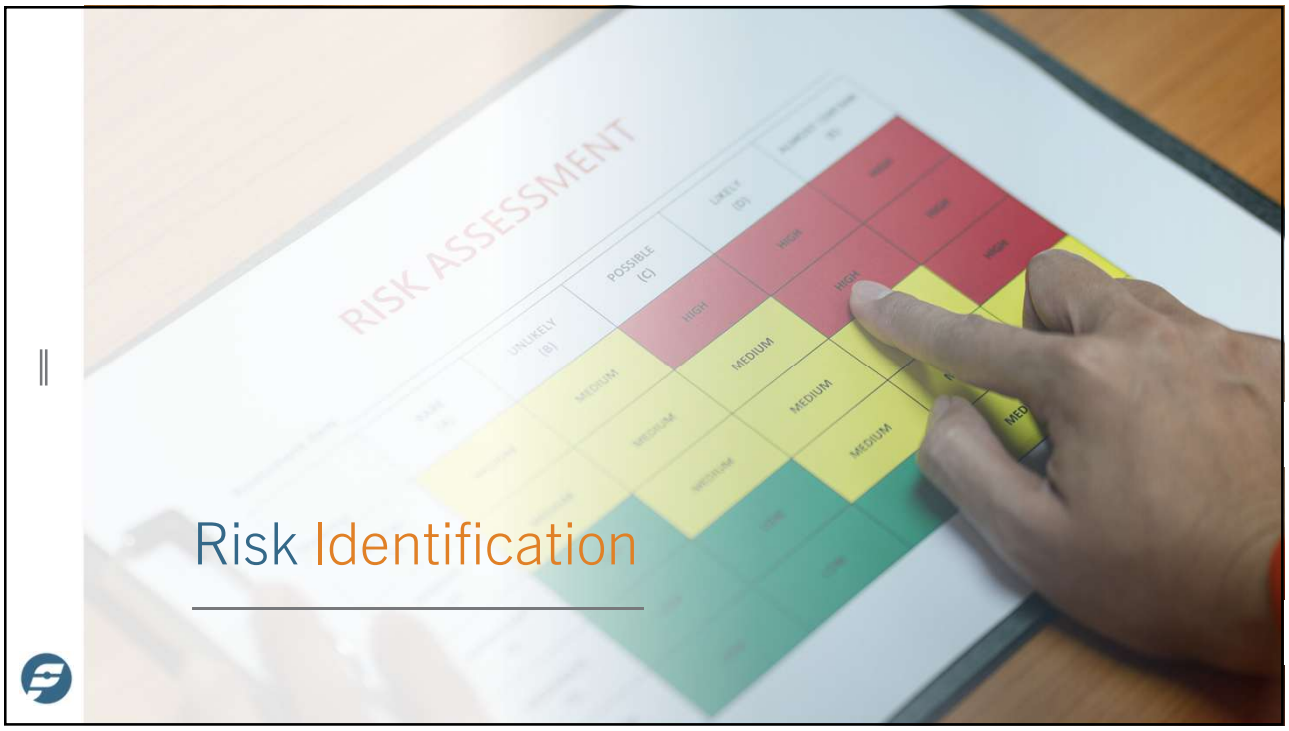


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The ABC's of Risk Management



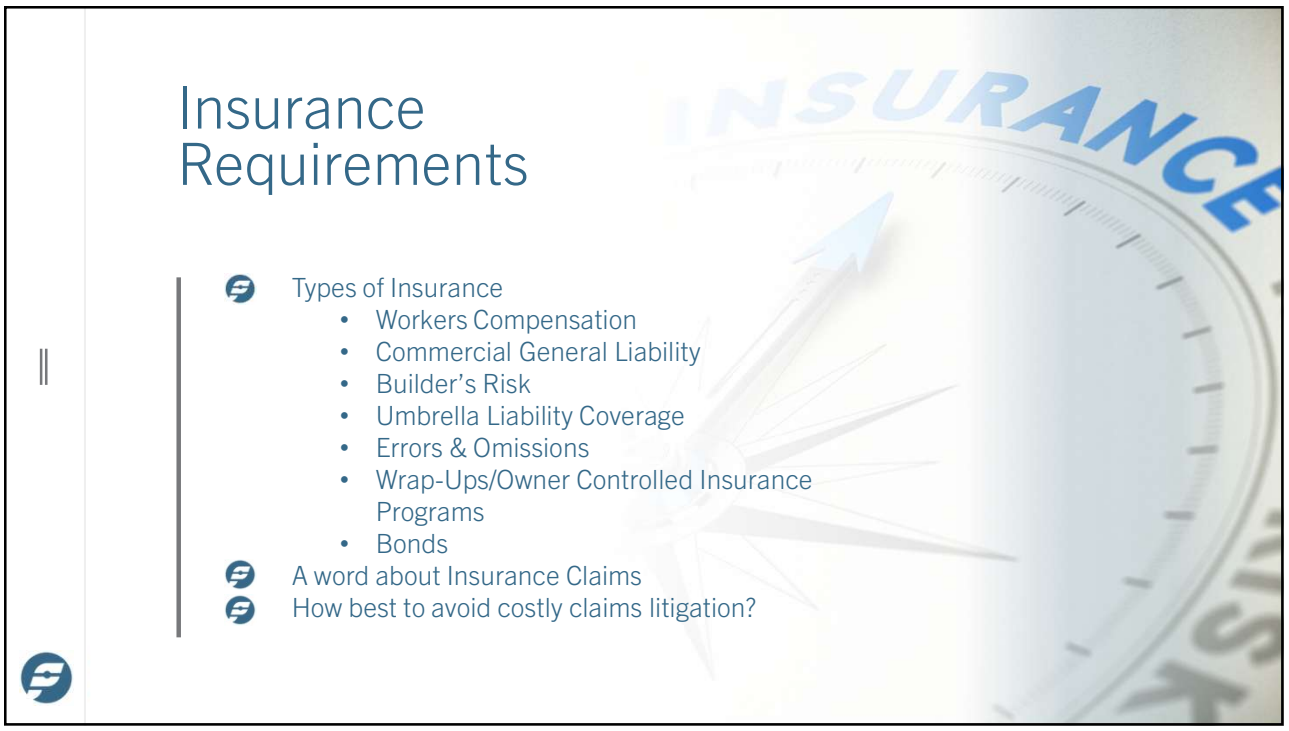
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RISK ASSESSMENT
POSSIBLE (C)
UNLIKELY (B)
HIGH
MEDIUM
Risk Identification

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Insurance Requirements

- Types of Insurance
  - Workers Compensation
  - Commercial General Liability
  - Builder's Risk
  - Umbrella Liability Coverage
  - Errors & Omissions
  - Wrap-Ups/Owner Controlled Insurance Programs
  - Bonds
- A word about Insurance Claims
- How best to avoid costly claims litigation?

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Insurance Considerations

- All contractors on your project must have Commercial General Liability (CGL) insurance.
- Does the Owner's policy cover the property while it's undergoing construction or renovations?
- If something gets damaged along the way, how will you handle this?



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Learning Objectives



- Review the fundamentals of contracting, including the roles and responsibilities of the various parties who contribute to a project.
- Become familiar with what to do in the planning stage for significant construction or remodeling projects.
- Offer a framework for crafting an agreement between contractor and owner that encourages cost savings and creates a beautiful home.
- Learn how to balance the scope, budget, and schedule when managing large projects.
- Identify the skills a Construction Manager and a Construction Management firm require.
- Understand how those skills will help lead to successful project completion.
- Become aware of the most common pitfalls that cause project shortcomings, defects, delays, cost over-runs, legal disputes and headaches.
- Review the tools needed to keep a project on schedule and on budget.

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WEBINAR
THURSDAY, JUNE 26th, 2025 @ 10:00AM PT
Evaluating Slip, Trip, and Fall Claims
With Robert Cohen, Dan Crespo, and Paul Kushner

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