

Construction Documents (Final Design) Submittal (100%)

Based on the approved previous submittal(s) and any further adjustments authorized or directed by FAA, the Design Team shall prepare for FAA's approval, Final Design Documents consisting of final drawings and specifications which define in detail the requirements for the construction of the Project. The documents shall include the necessary contractual information and forms for bidding as required.

The formal submittal of the Final Design Documents shall, at a minimum, consist of the following:

1. Basis of Design Narrative

The basis of design narrative shall be updated to reflect any design changes.

2. Schedule for Design and Construction

- A current schedule shall be provided.

3. Calculations

Civil: The civil calculations shall be updated to reflect any changes in the design since the last submission.

Structural: The structural calculations shall be updated to reflect any changes in the design since the last submission.

Architectural: The architectural calculations shall be updated to reflect any changes in the design since the last submission.

Mechanical: The mechanical calculations shall be updated to reflect any changes in the design since the last submission.

Electrical: The electrical calculations shall be updated to reflect any changes in the design since the last submission.

4. Written Responses to Comments on the Prior Submittal

The Design Team will address each comment made on the prior submittal and indicate how the design reflects the comment topic.

5. Drawings

- The Design Team shall provide a drawing package that is complete in every respect and ready for construction
- Where applicable, all authorized add-alternates shall be clearly defined in the working documents

- Details and profiles must be complete
- All schedules must be complete
- All new work must be properly laid out; for example, no work may be “located as approved by the engineer....”
- Show contractor access and staging areas
- Clearly indicate limits of work

6. Specifications

The specifications shall be complete, unambiguous, and comprehensive. Division 01 specifications shall identify all applicable add-alternates delineated in the construction drawings.

The specification package shall:

- Be clear, concise, and adequate for the purpose of bidding, contracting, and constructing the Project within the prescribed “Design-to Budget” established in the Scope of Work
- Contain absolutely no proprietary elements without prior written approval from FAA
- Not incorporate any items, methods, or substitutions labeled “as approved by the A/E”
- Be completely consistent and unambiguous with respect to the construction drawings
- Coordinate the cross reference of specifications and construction drawings by using the “Key Word”, or the Sub- Paragraph number of the appropriate Specification Section to note (call out) materials on the construction drawings.

Prior to the issuance of the contract documents to prospective bidders, the “general contract requirements” will be forwarded to the Design Team. The contract requirements will include, but are not limited to: standard bid, contract, and bid forms; singular contract clauses; and appropriate Davis- Bacon wage decisions. The Design Team shall incorporate the contract requirements into the specifications before they are reproduced for bidding.

7. **Permitting and Licensing Documentation**

The Subcontractor is responsible for providing all licenses and permits required to complete the work. The Design Team will coordinate permitting and/or licensing coordination requirements with the appropriate AHJ as required by said AHJ.

8. Electronic Media

Incorporate all drawings into an “AutoCAD” - (version 14 or later) compatible file on a CD-R disc or a thumb drive in addition to the drawing/specification sets

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required by the Scope of Work. All narrative documentation including a complete finished specification shall also be furnished as a “Word” (Microsoft Office) file via the KSN project site and on a CD-R disc or a thumb drive at the Project Managers request.

9. Interior Architectural Finishes/Colors

- Provide any updates from the previous submission
- FAA will provide final review comments