

## SECTION 01 35 25

### DELEGATED DESIGN REQUIREMENTS

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Procedures for portions of work under this Contract that are Delegated Design components (formally Bidder Design).
- B. Contractors Responsibilities: Coordinate and assume or assign to subcontractors complete responsibility for design, contract documents, calculations, submittal, permits, fabrication, transportation and installation.
  - 1. Submit and coordinate Delegated design documents to jurisdiction having authority for separate permit.
  - 2. Fill out DELEGATED DESIGN SUMMARY SHEET.
  - 3. Delegated Design components of Work are defined as: Completed, operational systems, provided and installed for their intended use.

##### 1.2 DEFINITIONS

- A. *Applicant*: Person applying for building permit and person coordinating Contractor Engineered systems with basic building and with each other. Includes coordination of required submittals.
- B. *Architect*: Architect/*Engineer* registered in *Oregon* and engaged by the *Owner* to provide contract documents including computations and specifications required by Building Official for principal project system. Includes *Architect's* staff, consultants and consultant's staffs.
  - 1. *Architect* of record's review of Delegated Design Engineered component submittals shall be for design intent and shall not lessen nor shift responsibility from the Contractor or assign subcontractor, to *Owner* or *Architect*.
- C. *Contractor*: Firm engaged by *Owner* to construct Project. Includes employees, subcontractor, suppliers and their employees.
- D. *Contractor Design Firm*: Professional Engineer registered in *Oregon* and engaged by Contractor, subcontractor or supplier to provide drawings, computations and specifications required by Building Official for designated Contractor Engineered specialty system, in accordance with criteria set forth in Contract Documents.
- E. *Seal*: Certification that drawings, computations and specifications were designed and prepared under direct supervision of Architect or Engineer whose name appears thereon.

- F. *Delegated Design Component Review Stamp*: Confirmation that design drawings has been reviewed for compatibility with design of the building or specific portion of Project.
- G. *Review Stamp*: Certification that *Architect* has reviewed drawings, computations and specifications bearing seal of Contractors Design Engineer, verifying conformation with information given and design concept set forth in Drawings and Specifications.
- H. *Approval Stamp*: Certification that building Official has reviewed submittal and finds it acceptable with respect to applicable code compliance.

### 1.3 RELATED SECTIONS

- A. Section 01 30 00 - Administrative Requirements; Submittal procedures.
- B. Section 01 60 00 - Product Requirements; Product Substitution Procedures.
- C. Section 01 70 00 - Execution and Closeout Requirements.

### 1.4 SYSTEM DESCRIPTION

- A. Certain components ~~or of the~~ Project's construction are designated as Delegated Design (or Design Build) components, Contractor is responsible to coordinate and assume or assign to subcontractor and/or supplier complete responsibility for design, calculations, submittal, permits if required, fabrication, delivery and installation of Delegated Design components.
- B. Contractor is responsible, with no exceptions, for submittal of Delegated Design components documents to Building Department for review, so review will not adversely affect Projects construction schedule.
  - 1. Delegated Design components are defined as complete systems provided for intended use.
- C. Owner is not responsible to pay for any delays, additional products, additional hours of work or overtime, restocking or rework required due to failure by Contractor or Subcontractor to coordinate their work with work of other trades on Project or to provider of Delegated Design portion or component in a timely manner to meet Project Schedule.
- D. Architect's review of Delegated Design Engineered submittals is for general conformance with design intent.
  - 1. Architect is not responsible for coordination of Delegated Design components with Contract Documents or review of materials submitted as a result of Delegated Design components.
  - 2. Review does not lessen nor shift burden of responsibility from Contractor or assigned subcontractor/supplier to Owner or Architect.
- E. City of Beaverton Requirements: Comply with current City requirements at time of submission.

- F. Delegated Design Components: See individual Technical Sections.
- G. Additional requirements are specified in respective Specification sections.

#### 1.5 DESCRIPTIONS FOR SYSTEM LISTED IN PROJECT MANUAL

- A. Refer to systems description in Part 1, General and Part 2, Products in each technical specifications section listed for reference to Delegated Design component.

#### 1.6 QUALITY ASSURANCE

- A. Refer to quality assurance described in Part 1, General in specification sections with Delegated Design components.
- B. Perform design and prepare design drawings under direct supervision of a professional Structural Engineer experienced in design of this work and licensed in Oregon
- C. Quality assurance described in specification sections shall be minimum acceptable standard for this project.
- D. Should quality assurance not be defined within specific specifications, printed industry standards for “normal” quality practices shall govern.

#### 1.7 REFERENCES

- A. Refer to references in Part 1, General in each specification section with Delegated Design Work.

#### 1.8 SUBMITTALS

- A. See Section 01 30 00 – Administrative Requirements, for submittal procedures.
- B. Delegated Design components submittals are required to contain:
  - 1. Complete criteria
  - 2. Design assumptions
  - 3. Details
  - 4. Calculations
  - 5. Structural elements to be stamped by Delegated Design Engineer registered in Oregon
  - 6. Instruction for fabrications, assembly, installation and interface with other trades.
- C. Submit list of Delegated Design Subcontractor and/or Engineers maximum fifteen (15) days after signing Notice to Proceed.
  - 1. Submit Delegated Design Summary sheet to jurisdiction having authority, if required.

## 1.9 SPECIFIC REQUIREMENTS

- A. Delegated Design Component shown in Contract Documents are shown for design intent.
- B. Intent is to have Delegated Design Entity responsible to design, provide, coordinate and install Delegated Design Component.
- C. Delegated Design Components attached to structural frame or supplemental to structural frame to be design for anticipated loads outlined on structural drawings or found in State Building Code, in which project is located.
- D. Coordinate Delegated Design Components with appropriate subcontractors.
- E. Load reactions at interface between Delegated design Components and Structural frame to be clearly defined to allow to review by Engineer of Record.

## 1.10 SUBMITTAL REQUIREMENTS

- A. City of Beaverton and Washington County have set policies regarding Contractor components of building projects. Comply with jurisdiction's deferred submittal requirements.
- B. Components are those subject to lateral or vertical loads and are not designed by Architect.
  - 1. These components require designing by Contractor Design Engineer who received subcontract or purchase order for that component of Project.
- C. Components shall be coordinated with adjunct systems whether designed by Architect or are other Contractor components
- D. Delegated Design Submittals: Verify permitting agency requirements prior to submission.
  - 1. Design drawings and specifications to clearly and legibly showing members, dimensions, connections, materials and indicating how component is attached to main structure.
    - a. Design and prepare these drawings stamped by Engineer licensed in Oregon.
    - b. Drawings require signature indicating general design Conformance by Architect/Engineer.
    - c. Shop drawings or erection drawings are not acceptable for above requirements.
  - 2. Submit one set of calculations including criteria, design assumptions, substantiating computations and additional data sufficient to show correctness of drawings and compliance with structural revisions of Oregon Structural Specialty Code.
    - a. Prepare calculations stamped by Contractor Delegated Design Engineer who prepared drawings.
    - b. Calculations required, signed by Architect/Structural Engineer indicating acceptance of design concepts, loading criteria and compatibility of designs.

- E. Before work is allowed to proceed the following must occur:
  - 1. Submit complete legible documents for review and approval by Architect/Engineer.
  - 2. Architect/Engineer-approved documents must be examined and approved by Building Department.
- F. Documents not completed prior to issuance of building permit, must be completed and submitted for approval prior to fabrication.
- G. Contractor is required to complete and submit the Delegated Design Summary Sheet listing Contractor's Engineered subcontractors / suppliers and registered engineer's name, address and telephone number prior to issuance of components approval.

PART 2 PRODUCTS – NOT USED

PART 3 EXECUTION – NOT USED

END OF SECTION