

**PART 1 - GENERAL****1.01 SUMMARY**

- A. Section includes:
  - 1. Summary of Delegated Design portion of Work.
  - 2. Permitting for Delegated Design portion of Work.
  - 3. Delegated Design submittals.
- B. Coordinate and assume full responsibility for design, engineering, submittals, fabrication, transportation, and installation of this work.
- C. Delegated Design efforts include the following:
  - 1. Division 06 - Shop-Fabricated Wood Trusses
  - 2. Division 05 Section - Metal Support for Healthcare Equipment
  - 3. Divisions 21, 23, 26 and 27 - Seismic Anchorage for equipment, hoods, panels and other components of mechanical, plumbing, gas and electrical systems
  - 4. Division 21 - Fire Suppression System
  - 5. Division 28 - Fire Alarm and Detection System

**1.02 DEFINITIONS**

- A. Delegated Design: Professional design service or certification specifically required of the Contractor in the Specifications.
- B. AHJ: Authorities Having Jurisdiction, defined in AIA Document A201.

**1.03 PERFORMANCE REQUIREMENTS**

- A. Comply with Regulations.
- B. Provide complete, operational systems that perform their intended use.
- C. Engineer Delegated Design portions for gravity, lateral and seismic loads.
  - 1. Load criteria is indicated in the specific product Section.
  - 2. Indicate reactions to structure.
  - 3. Provide services of a qualified professional engineer licensed in the Project jurisdiction.
- D. Execute the design intent as indicated in Project Drawings and Specifications.
- E. Obtain Permits and inspections and pay fees required by AHJ.

**1.04 OWNER'S RESPONSIBILITIES**

- A. The Owner will not pay for progress delays, additional Work, additional products, restocking, or re-working required by Contractor's failure to coordinate Delegated Design work with other Project work.

**1.05 SUBMITTALS**

- A. Preliminary Design: Submit drawings and product data that describe Contractor's design prior to performing engineering calculations and final drawings.
  - 1. Architect will evaluate proposed design and comment on conformance with intent of Contract Documents.
  - 2. Preliminary review is for aesthetic and general function concerns and will not constitute approval of engineering.
  - 3. Purpose of this submittal is to avoid engineering and detailing an unacceptable proposal.
- B. Final Design: Submit drawings, product data and engineering calculations that describe Contractor's final design.
- C. Permit Review: Submit Delegated Design documents to AHJ for review and approval as a Deferred Submittal. Architect will deliver submittal to the AHJ and be the main point of contact with the AHJ.
  - 1. Review by Architect or Architect's consultant prior to submittal to the AHJ is required. Allow adequate time for Architect's review as described in Section 01300 - Administrative Requirements.
  - 2. Make corrections noted by Architect.

3. Obtain permits prior to executing work component.
  4. Comply with AHJ requirements.
  5. Execute corrections to Delegated Design work required by AHJ at no cost to Owner and prior to Substantial Completion.
    - a. Notify Architect of changes required by AHJ as soon as they are known.
  6. Include design criteria, design assumptions, structural calculations, fabrication and construction details, required clearances, and interface requirements.
    - a. Delegated Design drawings are in addition to Shop Drawings.
  7. Affix Design Professional's seal for State License on Submittals.
- D. Engineer's qualifications.
- E. Product Data, Shop Drawings and Samples: Comply with requirements in Section 01 33 00 for each product of Delegated Design portion of work. Product submittals are in addition to submittals for permit and design data.

#### **1.06 QUALITY ASSURANCE**

- A. Documentation: Comply with the following:
1. Uniform Drawing System, NCS/UDS published by National Institute of Building Sciences.
  2. Minimum text size: 1/8 inch
  3. Legible when microfilmed
  4. Other requirements of AHJ
- B. Design requirements specific to Delegated Design portions are indicated in Drawings and in Sections that specify the component.
- C. Engineer's Qualifications: A professional engineer who is legally qualified to practice in jurisdiction where Project is located and who is experienced in providing engineering services of the kind indicated.
- D. Pre-Submittal Meeting: Contractor shall meet with Architect, Consultant, and Delegated Designer to discuss requirements of work-portion, submittals, scheduling and sequencing.

#### **1.07 SCHEDULING**

- A. Schedule design process and submittals required for Delegated Design portions to fit within Construction Schedule.
- B. Allow adequate time for AHJ review. Contact AHJ for time estimate and coordination of schedule.
- C. Architect's approval of Final Design is required prior to submittal to the AHJ. Allow time specified in Section 013300 – Administrative Requirements for Architect's review prior to submittal to the AHJ.

**END OF SECTION**