

SECTION 230010 – COORDINATION DRAWINGS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.3 COORDINATION DRAWINGS

- A. Coordination drawings shall be prepared, and submitted for review by the Designer, indicating structural and other miscellaneous steel, and HVAC, Plumbing, Fire Protection, Electrical, and General work which must be carefully coordinated by all trades to minimize space conflicts. These drawings shall be submitted for review prior to any trade starting work which is in close proximity to work of any other trade(s).
- B. The Contractor shall be responsible for the preparation and submission of the coordination drawings. Specific efforts required include:
 - 1. Initiation of the drawings including furnishing of reproducible sheet which show Floor Plans with structural steel and HVAC elements.
 - 2. Coordination/communication with other trades during the preparation of the coordination drawings.
 - 3. Minimizing future conflicts between trades.
- C. Each subcontractor shall be responsible for showing the elements of their work on the coordination drawings. The HVAC Contractor is only responsible for showing elements relative to his work and the conflicts. These coordination drawings shall represent a collective effort by all contractors to avoid space conflicts and expedite the work of all trades. Work may not proceed until the coordination drawings have been reviewed for general conformance by the Designer.
- D. Prepare coordination drawings to a scale of $\frac{1}{4}'' = 1''-0''$ or larger; detailing major elements, components, and systems of HVAC, plumbing, fire protection, and electrical equipment and materials in relationship with other systems, installations, and building structural steel and components. Dimension elements and components of the systems from column lines and indicate elevations of elements and components relative to the finished floor. Indicate location where space is limited for installation and access and where sequencing and coordination of installations are of importance to the efficient flow of the Work. At minimum, the coordination drawings shall include (but not necessarily be limited to) the following:
 - 1. Indicate all structural and miscellaneous steel.

2. Indicated the proposed location of all ductwork and air distribution equipment including terminal units and diffusers.
 3. Indicate the proposed location of piping services including:
 - a. Chilled water piping.
 - b. Steam and condensate piping.
 - c. Heating hot water piping.
 - d. Domestic hot and cold water piping.
 - e. Waste and vent piping.
 - f. Roof drain/rain leader piping.
 - g. Medical gas piping.
 - h. Sprinkler piping and sprinkler heads.
 4. Indicate the proposed location of electrical conduits and all light fixtures.
 5. Indicate clearances for installing and maintaining insulation.
 6. Indicate clearances for servicing and maintaining equipment, including tube removal, filter removal, and space for equipment disassembly required for periodic maintenance.
 7. Indicate major equipment, equipment support details, and connections.
 8. Indicate sizes and locations of required concrete housekeeping pads and bases.
 9. Indicate all fire-rated walls and partitions.
 10. Indicate scheduling, sequencing, movement, and positioning of large equipment into the building during construction.
 11. Prepare separate floor plans, sections, and details as required to indicate all piping and conduits routed through structural steel openings.
 12. Prepare separate reflected ceiling plans to coordinate and integrate installations of air outlets and inlets, light fixtures, communication systems components, sprinkler heads, and other ceiling-mounted items.
 13. It is not required (unless otherwise noted above) to indicate piping and conduit 1-1/4 inches in diameter and smaller on the coordination drawings. However, the respective trade installing such elements assumes responsibility for coordinating and installing said elements in a manner that does not conflict with other elements shown on the coordination drawings.
- E. Upon completion of the coordination drawings, a representative of each trade contractor shall be required to sign each sheet of the coordination drawings. Signature shall attest to a diligent review of the coordination drawings and agreement to alleviate/resolve any future space conflicts at no cost to the Owner.
- F. Failure by the contractor who is in violation of the coordination drawings to move his work, or reimburse the affected contractor or the Owner, will result in the monetary amount required to resolve the conflict to be deducted from his contract.
- G. Coordination drawings must be complete and submitted to the Designer for review within one month following the Date of Commencement. The Designer's review shall not denote responsibility of the content of the coordination drawings on his part, but to check for general conformity and requirements of the Contract Documents.

PART 2 - PRODUCTS (Not Applicable)

NCSU Brooks Hall – Phase I Renovations
SCO #22-25338-02A
Bid Documents
in situ studio, inc.

10/24/24

PART 3 - EXECUTION (Not Applicable)

END OF SECTION 230010

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