

SECTION 01 31 00.1

COORDINATION ALTERNATE

Notes: This section is intended to include requirements for coordination of the Work. Use text of this section 01 31 00.1 unless use of 01 31 00 is approved by the Owner. DO NOT USE BOTH.

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

- A. Coordination of Work of Contract.
- B. Coordination of Work with other work by Owner or other contractors ..
- C. Coordination of Building Systems start-up and systems testing.
 - 1. The systems start-up and testing process will be directed, through FIU's Project Manager and the Professional's Field Representative.

1.02 RELATED REQUIREMENTS

- A. Section 01 11 00 - Summary of Work.
- B. Section 01 73 29 - Cutting and Patching
- C. Section 01 31 19 - Project Meetings.
- D. Section 01 43 00 - Material and Equipment: Product option and Substitutions.
- E. Section 01 77 00 - Contract Closeout Procedures: Closeout submittals.

1.03 DESCRIPTION

- A. Coordinate scheduling, submittals, and work of the various sections of Specifications to assure efficient and orderly sequence of installation of construction elements, with provisions for accommodating items to be installed later.
- B. Coordinate Work, access, storage, and schedule to cooperate with other contractors working in and around the Project.
- C. Coordinate sequence of Work to accommodate Owner occupancy as specified in General Conditions, Section 01 11 00 - Summary of Work, and Project Phasing and Sequencing [as applicable]

1.04 MEETINGS

- A. In addition to progress meetings specified in Section 01 31 19 hold coordination meetings and pre-installation conferences with personnel and subcontractors to assure coordination of the Work.
- B. Include separate contractors in progress meetings when the Work or access to the Work will overlap or require coordination.
- C. Attend all system start-up and testing meetings with appropriate personnel and subcontractors.

1.05 COORDINATION DRAWINGS AND LAYOUTS

- A. Coordination Drawings: Prepare as required to coordinate all portions of Work. Include discussion of coordination drawings at complementary pre-installation conferences.
 - 1. Coordination Drawings: Show relationship and integration of different construction elements that require coordination during fabrication or installation to fit in space provided or to function as intended.
 - 2. Prior to fabricating or installing work, prepare composite coordination drawings at appropriate scale; detail major elements, components, and systems of architectural, structural, mechanical, and electrical such as equipment, components, and materials in relationship with each other, installations, and building components. Include dimensions.
 - 3. Indicate locations where space is limited for installation and access and where sequencing and coordination of installations are important to efficient flow of Work.
 - 4. Indicate scheduling, sequencing, movement, and positioning of large equipment into building during construction.
 - 5. Assembly Penetrations: Prepare drawings as required to indicate penetrations in floors, walls, and ceilings and their relationship to assembly construction, other penetrations and installations. Identify where additional bracing and offsets are required to comply with Contract Documents.
 - 6. Ceilings: Prepare reflected ceiling plans and other drawings as required to coordinate and integrate installations, air outlets and inlets, light fixtures, communications systems components, sprinklers, other ceiling-mounted devices, components located above suspended ceilings, and suspended ceiling support components.
 - 7. Show interrelationship of components indicated on separate Shop Drawings.
 - 8. Indicate required installation sequences to minimize cutting and patching.
 - 9. Make coordination documents available in field office for review by the Professional's Field Representative and Owner during entire period of construction.

10. In addition, prepare coordination drawings required below and in individual Specification sections.
- B. Structural Systems: Include, but do not necessarily limit to following:
1. Structural frame showing interface with exterior cladding.
 2. Location of openings in relation to structure.
 3. Show attachments to decking, structural elements, and other systems.
- C. Mechanical Systems: Include, but do not necessarily limit to following:
1. Proposed locations of piping, ductwork, equipment, and materials.
 2. Proposed locations for access panels and doors.
 3. Clearances for installing and maintaining insulation.
 4. Clearances for servicing and maintaining equipment, including tube removal, filter removal, and space for equipment disassembly required for periodic maintenance. Show access locations.
 5. Equipment connections and support details.
 6. Exterior wall and foundation penetrations.
 7. Fire-rated wall and floor penetrations.
 8. Sizes and location of required concrete pads and bases.
 9. Valve stem movement.
- D. Electrical Systems: Include, but do not necessarily limit to following:
1. Proposed locations of major raceway systems, equipment, and materials.
 2. Clearances for servicing equipment, including space for equipment disassembly required for periodic maintenance. Show access locations.
 3. Exterior wall and foundation penetrations.
 4. Fire-rated wall and floor penetrations.
 5. Equipment connections and support details.
 6. Sizes and location of required concrete pads and bases.
- E. Coordination: Coordinate in field with affected trades for proper relationship to Work based on Project conditions ..
1. Notify Professional's Field Representative of conflicts and other coordination issues requiring resolution prior to commencing construction in each affected area.

- F. Submittal: Coordination drawings are Informational Submittals. Submit coordination drawings to Professional's Field Representative for information only to document proper coordination of all portions of Work and that coordination issues have been identified and resolved prior to commencing construction in each affected area.

1.06 COORDINATION OF SUBMITTALS

- A. Schedule and coordinate submittals.
- B. Coordinate work of various Sections having interdependent responsibilities for installing, connecting to and placing in service, such equipment.
- C. Coordinate requests for substitutions to assure compatibility of space, of operating elements, and effect on work of other Sections.

1.07 COORDINATION OF SPACE

- A. Coordinate use of Project space and sequence of installation of mechanical, electrical and other work that is indicated diagrammatically on drawings. Follow routings shown for pipes, ducts and conduits as closely as practicable, with due allowance for available physical space; make runs parallel with lines of building. Utilize space efficiently to maximize accessibility for other installations, for maintenance and for repairs.
- B. In finished areas except as otherwise shown conceal pipes, ducts and wiring in the construction. Coordinate locations of fixtures and outlets with finish elements.

1.08 COORDINATION OF CONTRACT CLOSEOUT

- A. Coordinate completion and cleanup of work of separate sections in preparation for Substantial Completion.
- B. After Owner occupancy of premises, coordinate access to site by various sections for correction of defective work and work not in accordance with Contract Documents to minimize disruption of Owner's activities.
- C. Assemble and coordinate closeout submittals specified in Section 01 77 00.

PART 2 PRODUCTS
NOT USED

PART 3 EXECUTION
NOT USED

END OF SECTION