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## SECTION 01-7300 - EXECUTION

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

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

#### 1.2 SUMMARY

- A. Section includes general administrative and procedural requirements governing execution of the Work including, but not limited to, the following:


1. Construction layout
2. Crane placement and Lift Plans
3. Field engineering and surveying
4. Installation of the Work
5. Cutting and patching
6. Coordination of Owner-installed products
7. Progress cleaning
8. Starting and adjusting
9. Protection of installed construction
10. Fire Suppression System Modifications

- B. Related Requirements:

1. Division 01 Section "Summary" for limits on use of Project site.
2. Division 01 Section "Submittal Procedures" for submitting surveys.
3. Division 01 Section "Closeout Procedures" for submitting final property survey with Project Record Documents, recording of Owner-accepted deviations from indicated lines and levels, and final cleaning.
4. Division 02 Section "Selective Structure Demolition" for demolition and removal of selected portions of the building.
5. Division 07 Section "Penetration Firestopping" for patching penetrations in fire-rated construction.

#### 1.3 DEFINITIONS


- A. Cutting: Removal of in-place construction necessary to permit installation or performance of other work.

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- B. Patching: Fitting and repair work required to restore construction to original conditions after installation of other work.


#### 1.4 INFORMATIONAL SUBMITTALS

- A. Crane Placement and Lift Plan: Submit a placement and lift plan describing procedures at least fourteen (14) days prior to delivery of any Crane to the site for Architect and Owner review. The plan shall include coordination with any existing unground structures or utilities to avoid, whenever possible, impacts to them. Load calculations must be performed and stamped by a third party structural engineer to ensure no damage will occur should limitations dictate the placement of the crane over any existing underground structure or utility. Cost associated with investigation and protection of any underground structure or utility when placing and operating the Crane shall be at the Contractor's expense. See additional requirements within the University's Contractor's Environmental Health and Safety Manual and OSHA.
- B. Certificates: Submit certificate signed by a third party professional licensed land surveyor certifying that they performed all data points on location and elevation of improvements and comply with all survey requirements. Field measurements taken by the Contractor and provided to a professional land surveyor to compile into the latest version of CADD does not meet the requirements. The professional licensed land surveyor must certify all information as deemed accurate. See Section 01 7839 Project Record Documentation for requirements.
- C. Cutting and Patching Plan: Submit plan describing procedures at least fourteen (14) days prior to the time cutting and patching will be performed. Include the following information:
  1. Extent: Describe reason for and extent of each occurrence of cutting and patching.
  2. Changes to In-Place Construction: Describe anticipated results. Include changes to structural elements and operating components as well as changes in building appearance and other significant visual elements.
  3. Products: List products to be used for patching and firms or entities that will perform patching work.
  4. Dates: Indicate when cutting and patching will be performed.
  5. Utilities and Mechanical and Electrical Systems: List services and systems that cutting and patching procedures will disturb or affect. List services and systems that will be relocated and those that will be temporarily out of service. Indicate length of time permanent services and systems will be disrupted.
    - a. Include description of provisions for temporary services and systems during interruption of permanent services and systems.

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## 1.5 QUALITY ASSURANCE

- A. Land Surveyor Qualifications: A professional land surveyor who is legally qualified to practice in jurisdiction where the Project is located and who is experienced in providing land-surveying at the quality of the kind indicated below.
1. Global Navigation Satellite System (GNSS) logging shall be used. The mapping and survey shall be in accordance with the "Regulations of Connecticut State Agencies, Sections 20-300b-1 thru 20-300b-20", and the "Minimum Standards for Surveys and Maps in the State of Connecticut" endorsed by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996.
  2. Type of survey - Topographic and General Location Survey will comply with "A-2" and "T -2" standards. Vertical accuracy will be to V-2 standards. Refer to Section 7839 Project Record documentation for additional requirements for underground utility as-builts.
  3. Reference Frames:
    - a. Data shall refer to the latest US National Spatial Reference Frame (NSRF). (See <http://oceanservice.noaa.gov/facts/nsrs.html> for more information.) As of this writing, the NSRF for longitude, latitude, and ellipsoid height is the North American Datum of 1983 (2011), and the vertical datum for orthometric heights (aka elevations) is the North American Vertical Datum of 1988. The national authority for geodetic positioning is the National Oceanic and Atmospheric Administration's (NOAA) National Geodetic Survey (NGS), not to be confused with the U.S. Geological Survey (USGS). The State authority for geodetic positioning is the Connecticut Department of Transportation's geodetic survey (CTGS).
  4. Projections:
    - a. Coordinates shall be referenced to the latest State Plane Coordinate System for Connecticut. As of this writing, this is SPC83 (2011) zone 0600.
  5. Units of Measure:
    - a. Linear units shall be consistent with the latest State Plane Coordinate System for Connecticut. As of this writing, this is United States Survey Feet (USFt), which is defined to be 3937 USFt = 1200 meters exactly. Unit conversions between USFt and meters must use this conversion exactly.
    - b. A minimum of two (2) horizontal and vertical control points with ties will be established in the project area for use during future construction projects.
  6. Drawing Format Requirements:
    - a. The drawing will be prepared in the most current version of AutoCAD. Sheet size and an agreed upon scale will be determined subject to layout requirements for the project area. Border requirements and layer naming conventions will be to Yale standards.

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- b. All grid positioned work shall be in an AutoCAD model space environment drawn at a one (1) to one (1) scale. For production of hard copy mapping, sheet borders, notes, etc. shall be in an AutoCAD paper space environment utilizing viewports with respect to required scale.
- c. Orient north arrow and magnetic north toward the top of the sheet.
- d. All line work shall be two dimensional with a zero (0) elevation with the exception of contour lines which shall have their respective elevation assigned.
- e. Include legend of symbols, line types and abbreviations
- f. All AutoCAD entities such as boundaries, utilities, contouring, planimetric features, etc. shall be segregated on corresponding layers, line types and colors.

7. Raster Images:


- a. When requested, scale rectified digital color aerial orthophoto imagery, photo scale of 1"=350'; 0.50 ft. pixel resolution.
- b. Vector mapping scale is 1"=40' photogrammetric mapping. Utilize projected coordinate system NAD\_1983\_StatePlane\_Connecticut\_FIPS\_0600\_Feet for digital orthophotos spatial reference.
- c. Horizontal Control based on North American Datum of 1983 (NAD 83(2011)).
- d. Vertical Control based on North American Vertical Datum of 1988 (NAVD 88).

8. Deliverables:

- a. Two (2) sets of signed and sealed paper mapping documents of the survey.
- b. One (1) CD-ROM disc containing all project electronic files. The electronic files shall be delivered in three formats:
  - 1) Must be current version of AutoCAD
  - 2) Portable document format (PDF)

B. Cutting and Patching: Comply with requirements for and limitations on cutting and patching of construction elements.

- 1. Structural Elements: When cutting and patching structural elements, notify Architect of locations and details of cutting and await directions from Architect before proceeding. Shore, brace, and support structural elements during cutting and patching. Do not cut and patch structural elements in a manner that could change their load-carrying capacity or increase deflection.
- 2. Operational Elements: Do not cut and patch operating elements and related components in a manner that results in reducing their capacity to perform as intended or that results in increased maintenance or decreased operational life or safety.
- 3. Other Construction Elements: Do not cut and patch other construction elements or components in a manner that could change their load-carrying capacity, that results in reducing their capacity to perform as intended, or that results in increased maintenance or decreased operational life or safety.
- 4. Visual Elements: Do not cut and patch construction in a manner that results in visual evidence of cutting and patching. Do not cut and patch exposed construction in a manner that would, in

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Architect's opinion, reduce the building's aesthetic qualities. Remove and replace construction that has been cut and patched in a visually unsatisfactory manner.

- C. Cutting and Patching Conference: Before proceeding, meet at Project site with parties involved in cutting and patching, including mechanical and electrical trades for review of plan. Review areas of potential interference and conflict. Coordinate procedures and resolve potential conflicts before proceeding.
- D. Manufacturer's Installation Instructions: Obtain and maintain on-site manufacturer's written recommendations and instructions for installation of products and equipment.

## PART 2 - PRODUCTS


### 2.1 MATERIALS

- A. General: Comply with requirements specified in other Sections.
  - 1. For projects requiring compliance with sustainable design and construction practices and procedures, use products for patching that comply with requirements in sustainable design requirement Sections.
- B. In-Place Materials: Use materials for patching identical to in-place materials. For exposed surfaces, use materials that visually match in-place adjacent surfaces to the fullest extent possible.
  - 1. If identical materials are unavailable or cannot be used, use materials that, when installed, will provide a match acceptable to Architect for the visual and functional performance of in-place materials.

## PART 3 - EXECUTION

### 3.1 EXAMINATION


- A. Existing Conditions: The existence and location of underground and other utilities and construction indicated as existing are not guaranteed. Before beginning sitework, investigate and verify the existence and location of underground utilities, mechanical and electrical systems, and other construction affecting the Work.
  - 1. Before construction, verify the location and invert elevation at points of connection of sanitary sewer, storm sewer, and water-service piping; underground electrical services, and other utilities.
  - 2. Furnish location data for work related to Project that must be performed by public utilities serving Project site.

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- B. Examination and Acceptance of Conditions: Before proceeding with each component of the Work, examine substrates, areas, and conditions, with Installer or Applicator present where indicated, for compliance with requirements for installation tolerances and other conditions affecting performance. Record observations.
1. Examine roughing-in for mechanical and electrical systems to verify actual locations of connections before equipment and fixture installation.
  2. Examine walls, floors, and roofs for suitable conditions where products and systems are to be installed.
  3. Verify compatibility with and suitability of substrates, including compatibility with existing finishes or primers.
- C. Written Report: Where a written report listing conditions detrimental to performance of the Work is required by other Sections, include the following:
1. Description of the Work.
  2. List of detrimental conditions, including substrates.
  3. List of unacceptable installation tolerances.
  4. Recommended corrections.
- D. Proceed with installation only after unsatisfactory conditions have been corrected. Proceeding with the Work indicates acceptance of surfaces and conditions.

### 3.2 PREPARATION

- A. Existing Utility Information: Furnish information to Owner that is necessary to adjust, move, or relocate existing utility structures, utility poles, lines, services, or other utility appurtenances located in or affected by construction. And coordinate with authorities having jurisdiction.
- B. Field Measurements: Take field measurements as required to fit the Work properly. Recheck measurements before installing each product. Where portions of the Work are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
1. Verification of measurements and locations shall be performed by a licensed surveyor who will collect the coordinates that will be included in the final as-built documentation.
- C. Space Requirements: Verify space requirements and dimensions of items shown diagrammatically on Drawings.
- D. Review of Contract Documents and Field Conditions: Immediately on discovery of the need for clarification of the Contract Documents caused by differing field conditions outside the control of Contractor, submit a request for information to Architect according to requirements in Division 01 Section "Project Management and Coordination."


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### 3.3 CONSTRUCTION LAYOUT

- A. Verification: Before proceeding to lay out the Work, verify layout information shown on Drawings, in relation to the property survey and existing benchmarks. If discrepancies are discovered, notify the Owner and Architect promptly, in accordance with Section 2.1.7 of the Project Conditions.
- B. General: Engage a third party professional licensed land surveyor to lay out the Work using accepted surveying practices.
  - 1. Establish benchmarks and control points to set lines and levels at each story of construction and elsewhere as needed to locate each element of Project.
  - 2. Establish limits on use of Project site.
  - 3. Establish dimensions within tolerances indicated. Do not scale Drawings to obtain required dimensions.
  - 4. Inform installers of lines and levels to which they must comply.
  - 5. Check the location, level and plumb, of every major element as the Work progresses.
  - 6. Notify Owner and Architect when deviations from required lines and levels exceed allowable tolerances.
  - 7. Close site surveys with an error of closure equal to or less than the standard established by authorities having jurisdiction.
- C. Site Improvements: Locate and lay out site improvements, including pavements, grading, fill and topsoil placement, utility slopes, and rim and invert elevations.
- D. Building Lines and Levels: Locate and lay out control lines and levels for structures, building foundations, column grids, and floor levels, including those required for mechanical and electrical work. Transfer survey markings and elevations for use with control lines and levels. Level foundations and piers from two or more locations.
- E. Record Log: Maintain a log of layout control work. Record deviations from required lines and levels. Include beginning and ending dates and times of surveys, weather conditions, name and duty of each survey party member, and types of instruments and tapes used. Make the log available for reference by the Owner and Architect.

### 3.4 FIELD ENGINEERING


- A. Reference Points: Locate existing permanent benchmarks, control points, and similar reference points before beginning the Work. Preserve and protect permanent benchmarks and control points during construction operations.
  - 1. Do not change or relocate existing benchmarks or control points without prior written approval of Owner. Report lost or destroyed permanent benchmarks or control points promptly. Report the need to relocate permanent benchmarks or control points to Owner before proceeding.
  - 2. Replace lost or destroyed permanent benchmarks and control points promptly. Base replacements on the original survey control points.

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- B. **Benchmarks:** Establish and maintain a minimum of two permanent benchmarks on Project site, referenced to data established by survey control points. Comply with authorities having jurisdiction for type and size of benchmark.
1. Record benchmark locations, with horizontal and vertical data, on Project As-Built Record Documents.
  2. Where the actual location or elevation of layout points cannot be marked, provide temporary reference points sufficient to locate the Work.
  3. Remove temporary reference points when no longer needed. Restore marked construction to its original condition.
- C. **Certified Survey:** On completion of foundation walls, major site improvements, and other work requiring field-engineering services, prepare a certified survey showing dimensions, locations, angles, and elevations of construction and sitework.

### 3.5 INSTALLATION

- A. **General:** Locate the Work and components of the Work accurately, in correct alignment and elevation, as indicated.
1. Make vertical work plumb and make horizontal work level.
  2. Where space is limited, install components to maximize space available for maintenance and ease of removal for replacement.
  3. Conceal pipes, ducts, and wiring in finished areas unless otherwise indicated.
  4. Document slope and locations of material and product below and above ground on all utilities. Such documentation shall be performed by a licensed surveyor who will collect the GIS coordinates that will be included in the final as-built documentation.
- B. Comply with manufacturer's written instructions and recommendations for installing products in applications indicated.
- C. Install products at the time and under conditions that will ensure the best possible results. Maintain conditions required for product performance until Substantial Completion.
- D. Conduct construction operations so no part of the Work is subjected to damaging operations or loading in excess of that expected during normal conditions of occupancy.
- E. Sequence the Work and allow adequate clearances to accommodate movement of construction items on site and placement in permanent locations.
- F. **Tools and Equipment:** Do not use tools or equipment that produce harmful noise levels or create high vibrations.

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- G. Templates: Obtain and distribute to the parties involved templates for work specified to be factory prepared and field installed. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing products to comply with indicated requirements.
- H. Attachment: Provide blocking and attachment plates and anchors and fasteners of adequate size and number to securely anchor each component in place, accurately located and aligned with other portions of the Work. Where size and type of attachments are not indicated, verify size and type required for load conditions.
1. Mounting Heights: Where mounting heights are not indicated, mount components at heights directed by Architect.
  2. Allow for building movement, including thermal expansion and contraction.
  3. Coordinate installation of anchorages. Furnish setting drawings, templates, and directions for installing anchorages, including sleeves, concrete inserts, anchor bolts, and items with integral anchors, that are to be embedded in concrete or masonry. Deliver such items to Project site in time for installation.
- I. Joints: Make joints of uniform width. Where joint locations in exposed work are not indicated, arrange joints for the best visual effect as approved by the Architect. Fit exposed connections together to form hairline joints.
- J. Formwork: Where concrete is exposed to view, all surfaces shall be smooth, free from holes or pitting, and free from depressions or other indications of formwork.
- K. Hazardous Materials: Use products, cleaners, and installation materials that are not considered hazardous.
- L. Soils: The reuse of existing residual soils is preferred unless conditions do not meet the specification requirements.
1. If conditions does not allow for full reuse of residual soils, the Contractor must formally submit prior to the removal, the location of where the residual soils will be disposed.
  2. If conditions require new fill or planting/topsoil be brought onto Owner's property, the Contractor must ensure any new materials are free of deleterious materials (metal scraps, concrete, brick, or other building debris), and does not contain elevated concentrations of chemical constituents. Natural soils free of chemical constituents, other than metals at naturally occurring concentrations, are acceptable as fill.
    - a. Contractor must submit for review and acceptance no less than 10 days prior to bringing new material onto the Owner's property, the source of where the material is coming from and the test results from an independent material testing laboratory on the geotechnical parameters and environmental contaminants of the new soils or fill. Testing is at the Contractor's expense and results must have been performed within 7-5 days prior to submission to the Owner and bringing material on University property.

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- b. New materials that contain trace chemical constituents at concentrations less than 30% of the Residential Direct Exposure Criteria (R-DEC) and/or GA-Pollutant Mobility Criteria (GA-PMC) listed in the CTDEEP Remediation Standard Regulations (RSRs) will be acceptable for use on University projects, provided such material has not been obtained from a contaminated site (a property where a petroleum or chemical release has occurred that is subject to compliance with the RSRs), and such new material is used at locations that are not subject to erosion, are not placed below the water table, and are not placed in an environmentally sensitive area (e.g., in close proximity to a wetland, water course or aquifer protection area). All analytical results must meet the above criteria.

### 3.6 CUTTING AND PATCHING


- A. Cutting and Patching, General: Employ skilled workers to perform cutting and patching. Proceed with cutting and patching at the earliest feasible time, and complete without delay.
  - 1. Cut in-place construction to provide for installation of other components or performance of other construction, and subsequently patch as required to restore surfaces to their original condition.
- B. Existing Warranties: Remove, replace, patch, and repair materials and surfaces cut or damaged during installation or cutting and patching operations, by methods and with materials so as not to void existing warranties.
- C. Temporary Support: Provide temporary support of work to be cut.
- D. Protection: Protect in-place construction during cutting and patching to prevent damage. Provide protection from adverse weather conditions for portions of Project that might be exposed during cutting and patching operations.
- E. Adjacent Occupied Areas: Where interference with use of adjoining areas or interruption of free passage to adjoining areas is unavoidable, coordinate cutting and patching according to requirements in Division 01 Section "Summary."
- F. Existing Utility Services and Mechanical/Electrical Systems: Where existing services/systems are required to be removed, relocated, or abandoned, bypass such services/systems before cutting to minimize interruption to occupied areas.
- G. Cutting: Cut in-place construction by sawing, drilling, breaking, chipping, grinding, and similar operations, including excavation, using methods least likely to damage elements retained or adjoining construction. If possible, review proposed procedures with original Installer; comply with original Installer's written recommendations.
  - 1. In general, use hand or small power tools designed for sawing and grinding, not hammering and chopping. Cut holes and slots neatly to minimum size required, and with minimum disturbance of adjacent surfaces. Temporarily cover openings when not in use.
  - 2. Finished Surfaces: Cut or drill from the exposed or finished side into concealed surfaces.

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3. Concrete and Masonry: Cut using a cutting machine, such as an abrasive saw or a diamond-core drill.
  4. Excavating and Backfilling: Comply with requirements in applicable Division 31 Sections where required by cutting and patching operations.
  5. Mechanical and Electrical Services: Cut off pipe or conduit in walls or partitions to be removed. Cap, valve, or plug and seal remaining portion of pipe or conduit to prevent entrance of moisture or other foreign matter after cutting.
  6. Proceed with patching after construction operations requiring cutting are complete.
- H. Patching: Patch construction by filling, repairing, refinishing, closing up, and similar operations following performance of other work. Patch with durable seams that are as invisible as practicable. Provide materials and comply with installation requirements specified in other Sections, where applicable.
1. Inspection: Where feasible, test and inspect patched areas after completion to demonstrate physical integrity of installation.
  2. Exposed Finishes: Restore exposed finishes of patched areas and extend finish restoration into retained adjoining construction in a manner that will eliminate evidence of patching and refinishing.
    - a. Clean piping, conduit, and similar features before applying paint or other finishing materials.
    - b. Restore damaged pipe covering to its original condition.
  3. Floors and Walls: Where walls or partitions are removed extend one finished area into another, patch and repair floor and wall surfaces in the new space. Provide an even surface of uniform finish, color, texture, and appearance. Remove in-place floor and wall coverings and replace with new materials, if necessary, to achieve uniform color and appearance.
    - a. Where patching occurs in a painted surface, prepare substrate and apply primer and intermediate paint coats appropriate for substrate over the patch, and apply final paint coat over entire unbroken surface containing the patch. Provide additional coats until patch blends with adjacent surfaces.
  4. Ceilings: Patch, repair, or rehang in-place ceilings as necessary to provide an even-plane surface of uniform appearance.
  5. Exterior Building Enclosure: Patch components in a manner that restores enclosure to a weathertight condition and ensures thermal and moisture integrity of building enclosure.
- I. Cleaning: Clean areas and spaces where cutting and patching are performed. Remove paint, mortar, oils, putty, and similar materials from adjacent finished surfaces.

### 3.7 OWNER-INSTALLED PRODUCTS


- A. Site Access: Provide access to Project site for Owner's construction personnel.

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- B. Coordination: Coordinate construction and operations of the Work with work performed by Owner's construction personnel.
1. Construction Schedule: Inform Owner of Contractor's preferred construction schedule for Owner's portion of the Work. Adjust construction schedule based on a mutually agreeable timetable. Notify Owner if changes to schedule are required due to differences in actual construction progress.
  2. Preinstallation Conferences: Include Owner's construction personnel at preinstallation conferences covering portions of the Work that are to receive Owner's work. Attend preinstallation conferences conducted by Owner's construction personnel if portions of the Work depend on Owner's construction.

### 3.8 PROGRESS CLEANING

- A. General: Clean Project site and work areas daily, including common areas. Enforce requirements strictly. Dispose of materials lawfully.
1. Comply with requirements in NFPA 241 for removal of combustible waste materials and debris.
  2. Do not hold waste materials more than seven days during normal weather or three days if the temperature is expected to rise above 80 deg F.
  3. Containerize hazardous and unsanitary waste materials separately from other waste. Mark containers appropriately and dispose of legally, according to regulations.
    - a. Use containers intended for holding waste materials of type to be stored.
  4. Coordinate progress cleaning for joint-use areas where Contractor and other contractors are working concurrently.
  5. Follow all Owner sustainable design requirements, not limited to LEED.
- B. Site: Maintain Project site free of waste materials and debris.
- C. Work Areas: Clean areas where work is in progress to the level of cleanliness necessary for proper execution of the Work.
1. Remove of non-hazardous liquid spills promptly.
  2. Where dust would impair proper execution of the Work, broom-clean or vacuum the entire work area, as appropriate.
- D. Installed Work: Keep installed work clean. Clean installed surfaces according to written instructions of manufacturer or fabricator of product installed, using only cleaning materials specifically recommended. If specific cleaning materials are not recommended, use cleaning materials that are not hazardous to health or property and that will not damage exposed surfaces.
- E. Concealed Spaces: Remove debris from concealed spaces before enclosing the space.

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- F. Exposed Surfaces in Finished Areas: Clean exposed surfaces and protect as necessary to ensure freedom from damage and deterioration at time of Substantial Completion.
- G. Waste Disposal: Do not bury or burn waste materials on-site. Do not wash waste materials down sewers or into waterways. Comply with waste disposal requirements in Construction Waste Management and Disposal.
- H. During handling and installation, clean and protect construction in progress and adjoining materials already in place. Apply protective covering where required to ensure protection from damage or deterioration at Substantial Completion.
- I. Clean and provide maintenance on completed construction as frequently as necessary through the remainder of the construction period. Adjust and lubricate operable components to ensure operability without damaging effects.
- J. Limiting Exposures: Supervise construction operations to assure that no part of the construction completed or in progress, is subject to harmful, dangerous, damaging, or otherwise deleterious exposure during the construction period.

### 3.9 STARTING AND ADJUSTING

- A. Coordinate startup and adjusting of equipment and operating components with requirements in "General Commissioning Requirements."
- B. Start equipment and operating components to confirm proper operation. Remove malfunctioning units, replace with new units, and retest.
- C. Adjust equipment for proper operation. Adjust operating components for proper operation without binding.
- D. Test each piece of equipment to verify proper operation. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and equipment.
- E. Manufacturer's Field Service: Comply with qualification requirements in Division 01 Section "Quality Requirements."

### 3.10 PROTECTION OF INSTALLED CONSTRUCTION

- A. Provide final protection and maintain conditions that ensure installed Work is without damage or deterioration at time of Substantial Completion.
- B. Comply with manufacturer's written instructions for temperature and relative humidity.

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3.11 FIRE SUPPRESSION SYSTEM MODIFICATIONS

- A. Any building where modifications are required to an existing fire suppression system, such system cannot be disabled for more than 4 consecutive hours, without a scheduled fire watch. If modifications require disabling of the system for more than 4 hours, fire watch performed by the Owner’s fire department is required and shall be at the Contractor’s expense.

**END OF SECTION 01-7300**