

SECTION 01 30 00
ADMINISTRATIVE REQUIREMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A Building Information Modeling (BIM) and provision of electronic BIM submittal data.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 BIM REQUIREMENTS AND SUBMITTALS

A General:

1. Refer to Specification Section 01 32 50 Building Information Model (BIM) and Provision of Electronic Submittal Data for additional project BIM requirements.
2. Provide a BIM model of the final construction with all equipment, materials and schedules populated in Owner provided BIM software.
3. After Bid award the Contractor shall be provided with the Contract Document BIM model.
4. The Contractor shall submit a resume for their proposed BIM Manager demonstrating their ability to manage and develop the model to a Level of Development (LOD) of minimum 350.

B BIM Model Level of Development (LOD) applicable to the Work.

1. After Bid award, a BIM Model LOD 300 will be provided to the Contractor.
2. The Contractor will be required to interface with the Owner's Autodesk software (Revit, Tandem, etc.)
3. The Contractor will be responsible for providing a final BIM Model LOD 350 at substantial completion. .
4. The model elements shall be graphically represented within the model as a specific system, object, or assembly in terms of quantity, size, shape, orientation, and interfaces with other building systems. Non-graphic information may also be attached to the model elements. Equipment and material schedules shall not be included as a model element. Provide equipment and material schedules as an excel spreadsheet from a template provided by Owner.
5. Contractor is responsible for providing the following building components:
 - a. Make and model numbers of all product data. Including, but not limited to all mechanical, electrical, low-voltage, and audio/visual equipment installed in the building, as well as all finish materials. Refer to Specification Section 01 32 50 for additional lists/ requirements.
 - b. Hyperlinks of all product data and Operation and Maintenance manuals linked to each room as applicable for use and installation.
 - c. Equipment, Finish Material, and Door Hardware schedules.
 - d. All Mechanical and Electrical equipment (e.g., starters) in the Mechanical/Sprinkler Rooms.
 - e. All perimeter wall Work in the Mechanical/Sprinkler Rooms full height.
 - f. All ceiling hung equipment Work in the Mechanical/Sprinkler Rooms.
 - g. Mechanical and Electrical Work in main corridors including ceilings.
 - h. All Electrical Work in the Electrical Rooms.

- i. All perimeter wall Work in the Electrical Rooms full height.
 - j. All Mechanical and Electrical exterior service connections that are within a distance of 4 ft. in any direction of any exterior wall.
 - k. All Mechanical and Electrical exterior service connections that are 4 ft. or a greater distance from any exterior wall.
 - l. All remaining Architectural, Mechanical and Electrical Work not included above.
 - m. All remaining exterior Work (rework grading).
 - n. All roof Work.
- C Contractor shall appoint a BIM Manager who is responsible for the following:
- 1. Overall responsibility for proper use, implementation, and creation of BIM during construction.
 - 2. Manage and maintain the creation of all BIM content.
 - 3. Coordinate and manage BIM related meetings with Owner BIM Technicians. Allow for a minimum of one on-site meeting per month, with supplemental virtual meeting as required to complete work.
 - 4. Work with Owner's IT department to ensure proper hardware and software is in place and functioning properly.
 - 5. Collect model information from all trades and input this information into the BIM model for the Work.
 - 6. Follow Owner provided naming conventions in a spreadsheet for all equipment, materials, and schedules added to the BIM model.
- D Record Documents: Provide an electronic copy of the final as-built version of the BIM model.
- E Training: Provide a minimum of 4 hours of training to Owner's staff.

END OF SECTION 01 30 00