

SECTION 010100
SUMMARY OF WORK

PART 1 - GENERAL

1.1 STIPULATIONS

- A. The specifications sections "General Conditions of the Construction Contract", "Special Conditions", and "Division 1 - General Requirements" form a part of this Section by this reference thereto, and shall have the same force and effect as if printed herewith in full.

1.2 LOCATION

- A. East Wing of the Pennsylvania Capitol, 600 Commonwealth Avenue, Harrisburg, Dauphin County, PA.

1.3 PROJECT DESCRIPTION

- A. The project includes the following:
 - 1. Demolition and removal of the spiral stair in the Rotunda.
 - 2. Construction of an elevator in the area occupied by the current spiral stair.
 - 3. Demolition and removal of the two escalators in the Rotunda.
 - 4. Construction of a monumental stair in the area occupied by the current escalators.
 - 5. Demolition and removal of the ceiling and light fixtures in the cafeteria.
 - 6. Providing a new ceiling and light fixtures in the cafeteria.
 - 7. Upgrades to the HVAC system serving the cafeteria.
 - 8. Replacement of the exhaust fan and exhaust duct for the dishwasher.
 - 9. Removal of the non-functional neon lighting at the Rotunda and replacement with new LED light fixtures.

1.4 CONTRACT DURATION

- A. The Construction Contract duration shall be 423 calendar days commencing on the date of the Initial Job Conference.
- B. Refer to Section 013100 for how the contract duration may be impacted by long lead-time materials and equipment.

1.5 WORK INCLUDED

- A. The Work of this Project consists of, but is not necessarily limited to, the following. Detailed requirements of the Work are described in the pertinent specification Sections and/or shown on the Drawings.
- B. General Construction (.1) Contract:

1. All responsibilities for the lead contractor as established by the Department's General Conditions, Division 1 and Technical Specifications.
2. All selective demolition work including, but not limited to the following:
 - a. Spiral stair, railing, etc.
 - b. Escalators.
 - c. All glass entrances and doors.
 - d. Masonry walls.
 - e. Metal stud and gypsum wall board partitions.
 - f. Portions of plaster ceilings and associated framing.
3. Concrete work.
4. Concrete unit masonry.
5. Stone at monumental stair and dishwasher exhaust exterior discharge.
6. Structural steel.
7. Architectural and miscellaneous metal fabrications.
8. Cold formed framing.
9. Bronze framed glass partitions.
10. Glass railings.
11. Rough carpentry.
12. Architectural millwork, including wood trim.
13. Insulation.
14. Sealants.
15. Firestop sealants for perimeter-rated partitions to other structures.
16. Hollow metal doors and frames.
17. Wood doors.
18. Door hardware.
19. Gypsum plaster.
20. Metal stud framed partitions.
21. Gypsum board.
22. Ceramic tile.
23. Acoustical ceilings.
24. Interior painting.
25. Landscaping.

C. HVAC Construction (.2) Contract:

1. Basic materials required for HVAC systems including, but not limited to, access panels for all work of the .2 Contract installed in areas where there is no access shown on the contract documents, sleeves, firestopping of penetrations through floor slabs and rated walls and partitions, etc.
2. Variable air volume units (VAVs).
3. Mini-split AC systems.
4. Cabinet unit heaters and relocation of existing cabinet unit heaters.
5. Thermostats, control wire and conduit for control of cabinet unit heater at Parking Levels P1 and P2 and integration into the existing Johnson Metasys BAS System, including programming.
6. Hot (heat) water piping.
7. Pipe insulation for all pipe installed under this contract.
8. Valves, strainers, unions, flexible connections, float check valves, etc. for all piping installed under this contract.
9. Metal ductwork.
10. Duct insulation.
11. Diffusers, registers and grilles.

12. Duct accessories, dampers, turning vanes, flexible connections, etc.
13. Testing and balancing of all HVAC equipment.
14. BAS controls for new VAVs and integration into existing Johnson Metasys BAS System, including programming.

D. Plumbing Construction (.3) Contract:

1. Basic materials required for plumbing/fire protection systems including, but not limited to, access panels for all work of the .3 Contract installed in areas where there is no access shown on the contract documents, sleeves, firestopping of penetrations through floor slabs and rated walls and partitions, etc.
2. Sanitary and vent piping.
3. Pipe insulation for all pipe assigned to this contract.
4. Plumbing accessories, including valves, unions, gauges, transition fittings, wall hydrants, floor drains, cleanouts, etc.
5. Wet pipe sprinkler system modifications.

E. Electrical Construction (.4) Contract:

1. Temporary utilities and facilities assigned to the .4 Contract.
2. Basic materials required for electrical systems including, but not limited to, access panels for all work of the .4 Contract installed in areas where there is no access shown on the contract documents, sleeves, firestopping of penetrations through floor slabs and rated walls and partitions, etc.
3. Feeders to all equipment requiring power, etc.
4. Branch circuit feeders.
5. Wiring devices.
6. Disconnects, etc. shown on the electrical drawings.
7. Interior lighting fixtures.
8. Data system, including all data jacks, cabling from the jacks to the IDF or MDF rooms, termination of cable at existing patch panels, and testing of all cable.
9. Security systems, card access, intercom, intrusion detection, etc.
10. Infrastructure cabling and terminations for emergency communication system for elevator.
11. Extension of Johnson Metasys MS/TP R-485 trunk cable, including conduit (where indicated), from Emergency Generator Room P240 (Level P2) to Storage P1-15 (Level P1).

1.6 SPECIFICATION FORMAT

- A. The Specifications for the work of the separate Prime Contracts are bound in one volume. Technical provisions which apply to each Prime Contract are included in the Divisions listed below:
- B. General Construction (1.1) Contract: Divisions 02 through 09 and 32.
- C. HVAC Construction (1.2) Contract: Division 23.
- D. Plumbing and Fire Protection Construction (1.3) Contract: Divisions 21.
- E. Electrical Construction (1.4) Contract: Divisions 26 and 28.

Note: The term Professional refers to the Architectural or Engineering firm retained by the Department to design and document the work of the Project, or the Professional's authorized representative. The term Professional may also refer to the Client Agency if the Project design was delegated to the Client Agency. Throughout the Specifications and Drawings wherever the terms 'A/E', 'Architect' or 'Engineer' are used it shall mean Professional.

1.7 WORK BY OTHERS

- A. Johnson Metasys BAS Infrastructure: The Client Agency will be installing infrastructure upgrades to the Johnson Metasys BAS at Parking Garage Level P2 Generator Room P240E. These infrastructure upgrades will provide a point of connection for extending the Johnson Metasys BAS to provide control of the cabinet unit heaters at the Parking Garage included in the project. The work by the Client Agency is expected to be completed prior to the start of construction for this project.
- B. The following DGS projects will be under construction at the same time as this project:
 - 1. DGS C-0948-0094 Phase 1 East Wing and Main Capitol – Upgrade/Replace Emergency Generators:
 - a. This project includes, but is not limited to, the following:
 - 1) Installing a 1-megawatt standby natural gas-fired generator in Storage G-108.
 - 2) Project DGS C-0948-0094 Phase 1 may require power shutdowns at the East Wing.
 - 2. DGS C-0948-0100 Phase 1 East Wing – Water Intrusion Repairs:
 - a. The project includes repairs to the cold applied urethane waterproofing at the exterior terrace.
 - 3. The contractors of this project shall work with DGS BOC and the contractors of the other two projects to mutually share use of the site. No contractor shall have exclusive use of the site.

1.8 E-BUILDER CONSTRUCTION MANAGEMENT SOFTWARE

- A. The electronic document repository to improve productivity and efficiency, and to streamline the process of construction management during all phases of design, procurement, award and contract administration. The Department and all Prime Contractors will utilize the e-Builder Enterprise Software Program (e-Builder) for all Work and administrative duties provided under this Contract. Any and all notifications, requests, submittals, approvals, etc., between the Department, the Prime Contractors, the Professional and/or the Construction Manager (if a CM is assigned to the Project) shall be through the e-Builder system.

1.9 QUESTIONS DURING BIDDING PERIOD

- A. Direct all questions pertaining to the project to the Project Professional utilizing the e-Builder Enterprise Software Program (e-Builder) as described in the Instructions to Bidders.

1.10 SPECIFICATION AND DRAWING CONVENTIONS

- A. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:

1. Imperative mood and streamlined language are generally used in the Specifications. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.
 2. Specification requirements are to be performed by the contractor unless specifically stated otherwise.
- B. Division 01 General Requirements: Requirements of Sections in Division 01 apply to the Work of all Sections in the Specifications.
- C. Drawing Coordination: Requirements for materials and products identified on Drawings are described in detail in the Specifications. One or more of the following are used on Drawings to identify materials and products:
1. Terminology: Materials and products are identified by the typical generic terms used in the individual Specifications Sections.
 2. Abbreviations: Materials and products are identified by abbreviations.
 3. Keynoting: Materials and products are identified by reference keynotes referencing Specification Section numbers found in this Project Manual.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 010100