

## SECTION 011200 - MULTIPLE CONTRACT SUMMARY

## 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 a summary of each contract, including responsibilities for coordination and temporary facilities and controls.
- B. Specific requirements for Work of each contract are also indicated in individual Specification Sections and on Drawings.
- C. Related Requirements:
  - 1. Section 011000 "Summary" for the Work covered by the Contract Documents, restrictions on use of Project site, phased construction, coordination with occupants, and work restrictions.
  - 2. Section 013100 "Project Management and Coordination" for general coordination requirements.

## 1.3 DEFINITIONS

- A. Permanent Enclosure: As determined by Architect, the condition at which roofing is insulated and weathertight; exterior walls are insulated and weathertight; and all openings are closed with permanent construction or substantial temporary closures equivalent in weather protection to permanent construction.

## 1.4 PROJECT COORDINATOR

- A. Project coordinator shall be responsible for coordination between the General Construction Contract, HVAC Contract, and Electrical Contract.
  - 1. HVAC Contractor will act as the project Coordinator for the entire HVAC project at the High School Building, and coordination with Electrical and General for tasks which HVAC contractor is coordinator for.
  - 2. Chiller Replacement work has been awarded by the owner and is currently under construction. Any chiller work referenced in the construction documents is Not In Contract for the HVAC contractor.

## 1.5 COORDINATION ACTIVITIES

- A. Coordination activities of Project coordinator include, but are not limited to, the following:
  - 1. Provide overall coordination of the Work.
  - 2. Coordinate shared access to workspaces.
  - 3. Coordinate product selections for compatibility.
  - 4. Provide overall coordination of temporary facilities and controls.
  - 5. Coordinate, schedule, and approve interruptions of permanent and temporary utilities, including those necessary to make connections for temporary services.
  - 6. Coordinate construction and operations of the Work with work performed by each Contract and Owner's construction forces and separate contracts.

7. Prepare coordination drawings in collaboration with each contractor to coordinate work by more than one contract.
  8. Coordinate sequencing and scheduling of the Work. Include the following:
    - a. Initial Coordination Meeting: At earliest possible date, arrange and conduct a meeting with contractors for sequencing and coordinating the Work; negotiate reasonable adjustments to schedules.
    - b. Prepare a combined contractors' construction schedule for entire Project. Base schedule on preliminary construction schedule. Secure time commitments for performing critical construction activities from contractors. Show activities of each contract on a separate sheet. Prepare a simplified summary sheet indicating combined construction activities of contracts.
    - c. bined construction activities of contracts.
      - 1) Submit schedules for approval.
      - 2) Distribute copies of approved schedules to contractors.
  9. Provide photographic documentation.
  10. Provide quality-assurance and quality-control services specified in Section 014000 "Quality Requirements."
  11. Coordinate sequence of activities to accommodate tests and inspections, and coordinate schedule of tests and inspections.
  12. Provide information necessary to adjust, move, or relocate existing utility structures affected by construction.
  13. Locate existing permanent benchmarks, control points, and similar reference points, and establish permanent benchmarks on Project site.
  14. Provide field surveys of in-progress construction and site work and final property survey.
  15. Provide progress cleaning of common areas and coordinate progress cleaning of areas or pieces of equipment where more than one contractor has worked.
  16. Coordinate cutting and patching.
  17. Coordinate protection of the Work.
  18. Coordinate firestopping.
  19. Coordinate completion of interrelated punch list items.
  20. Coordinate preparation of Project record documents if information from more than one contractor is to be integrated with information from other contractors to form one combined record.
  21. Print and submit record documents if installations by more than one contractor are indicated on the same contract drawing or shop drawing.
  22. Collect record Specification Sections from contractors, collate Sections into numeric order, and submit complete set.
  23. Coordinate preparation of operation and maintenance manuals if information from more than one contractor is to be integrated with information from other contractors to form one combined record.
- B. Responsibilities of Project coordinator for temporary facilities and controls include, but are not limited to, the following:
1. HVAC Contract shall provide common-use field office for use by all personnel engaged in General & Electrical construction activities.

## 1.6 GENERAL REQUIREMENTS OF CONTRACTS

- A. Extent of Contract: Unless the Agreement contains a more specific description of the Work of each Contract, requirements indicated on Drawings and in Specification Sections determine which contract includes a specific element of Project.
1. Unless otherwise indicated, the work described in this Section for each contract shall be complete systems and assemblies, including products, components, accessories, and installation required by the Contract Documents.
  2. Trenches and all excavation/backfill for the work of each contract shall be by the HVAC contract.
  3. Blocking, backing panels, sleeves, and metal fabrication supports for the work of each contract shall be the work of each contract for its own work.
  4. Furnishing of access panels for the work of each contract shall be the work of each contract for its own work. Installation of access panels shall be the work of the General Construction Contract.

5. Equipment pads for the work of each contract shall be the work of each contract for its own work.
  6. Roof-mounted equipment curbs for the work of each contract shall be the work of each contract for its own work.
  7. Painting for the work of each contract shall be the work of each contract for its own work.
  8. Cutting and Patching: Each contract shall perform its own cutting; patching shall be under the General Construction Contract.
  9. Through-penetration firestopping for the work of each contract shall be provided by each contract for its own work.
  10. Contractors' Startup Construction Schedule: Within five working days after startup horizontal bar-chart-type construction schedule submittal has been received from Project coordinator, submit a matching startup horizontal bar-chart schedule showing construction operations sequenced and coordinated with overall construction.
  11. overall construction.
- B. Substitutions: Each contractor shall cooperate with other contractors involved to coordinate approved substitutions with the remainder of the work.
1. Project coordinator shall coordinate substitutions.
- C. Temporary Facilities and Controls: In addition to specific responsibilities for temporary facilities and controls indicated in this Section and in Section 015000 "Temporary Facilities and Controls," each contractor is responsible for the following:
- D. s," each contractor is responsible for the following:
1. Installation, operation, maintenance, and removal of each temporary facility necessary for its own normal construction activity, and costs and use charges associated with each facility, except as otherwise provided for in this Section.
  2. Plug-in electric power cords and extension cords, supplementary plug-in task lighting, and special lighting necessary exclusively for its own activities.
  3. Its own field office, complete with necessary furniture, utilities, and telephone service.
  4. Its own storage and fabrication sheds.
  5. Temporary enclosures for its own construction activities.
  6. Staging and scaffolding for its own construction activities.
  7. General hoisting facilities for its own construction activities.
  8. Waste disposal facilities, including collection and legal disposal of its own hazardous, dangerous, unsanitary, or other harmful waste materials.
  9. Progress cleaning of work areas affected by its operations on a daily basis.
  10. Secure lockup of its own tools, materials, and equipment.
  11. Construction aids and miscellaneous services and facilities necessary exclusively for its own construction activities.
- E. Temporary Heating, Cooling, and Ventilation: Project coordinator] is responsible for temporary heating, cooling, and ventilation, including utility-use charges, temporary meters, and temporary connections.
- F. Use Charges: Comply with the following:
1. Water Service: Include the cost for water service, whether metered or otherwise, for water used by all entities engaged in construction activities at Project site in the General Construction Contract.
  2. Electric Power Service: Include the cost for electric power service, whether metered or otherwise, for electricity used by all entities engaged in construction activities at Project site in the General Construction Contract.
- 1.7 GENERAL CONSTRUCTION CONTRACT
- A. Supply all necessary materials, labor, services, equipment, and tools required to perform the following General Construction, work for the Chiller replacement and HVAC upgrades at NRCS High School. All work to be installed in strict accordance with Specifications and Drawings.

- B. Supply all necessary materials, equipment, devices and labor for implementation and up-keep of site safety as it relates to this scope of work, to meet or exceed OSHA and / or safety agencies having jurisdiction on this project. Any and all costs resulting from OSHA sited violations will be the complete responsibility of this subcontractor.
- C. This project is a prevailing wage project, and it is the responsibility of this sub-contractor to ensure that all of the latest rules and regulations published by the NYS Department of Labor, Wage and Workplace Standards Division, Public Contract Compliance Unit are strictly followed and adhered to. In the events of an audit conduct by the NYS Department of Labor, this sub-contractor will be responsible for any and all costs associated with the audit and the Departments' final decision.
- D. Work in the General Construction Contract includes, but is not limited to, the following:
  - 1. Supply all materials, labor, equipment, and tools to install and finish gypsum soffits/ACT tile at renovated locations. Finish and paint all new surfaces, and any damaged existing surfaces. Repair gypsum ceiling if damaged during removal.
  - 2. Demolition of existing ceilings as noted on the plans
  - 3. Supply all materials, labor, equipment, and tools for modifications to all ACT & gypsum ceiling. Base bid and alternates.
  - 4. Supply all materials, labor, equipment, and tools to Finish and paint all new surfaces, and any damaged existing surfaces.  
Supply and install structural steel modifications required for RTU's. Make structural modifications to the building's steel frame to support the new RTU's.
  - 5. Structural steel for Chiller dunnage will be by Chiller contract. (not in General Scope)
  - 6. Supply all materials, labor, equipment, and tools to modify/construct all interior walls, gypsum and masonry patching and paint as required.
  - 7. Remove and reinstall existing ceiling tile for necessary mechanical, electrical, structural work.
  - 8. Schedule and perform all inspections required by this scope of work.
  - 9. Demolition of all systems covered under the General Contract shall be by the General Contract.
  - 10. Removal and disposal of daily generated debris. Upon completion of this contractor's work, all excess materials and debris in the building and site are to be removed and disposed of promptly.
  - 11. This is a prevailing wage project.
- E. Temporary facilities and controls in the General Contract include, but are not limited to, the following:
  - 1. Temporary enclosure.
  - 2. Temporary weather protection of finished spaces.

#### 1.8 HVAC CONTRACT

- A. Supply all necessary materials, labor, services, equipment and tools required to perform the following site HVAC work for the project. All work to be installed in strict accordance with Specifications and Drawings. All installations shall conform to the NYS Building Code, and requirements of appropriate regulatory agencies.
- B. Supply all necessary materials, equipment, devices and labor for implementation and up-keep of site safety as it relates to this scope of work, to meet or exceed OSHA and / or safety agencies having jurisdiction on this project. Any and all costs resulting from OSHA sited violations will be the complete responsibility of this subcontractor.
- C. This project is a prevailing wage project, and it is the responsibility of this sub-contractor to ensure that all of the latest rules and regulations published by the NYS Department of Labor, Wage and Workplace Standards Division, Public Contract Compliance Unit are strictly followed and adhered to. In the events of an audit conduct by the NYS Department of Labor, this sub-contractor will be responsible for any and all costs associated with the audit and the Departments' final decision.
- D. Work in the HVAC Contract includes, but is not limited to, the following:
- E. following:

1. Curbs, RTUs, Boilers, Domestic Hot Water and accessories, on High School RTU's
2. All equipment demolition and removal will be by HVAC Contractor.
3. All Hazardous materials removal will be a subcontractor of the HVAC Contractor.
4. Equipment will be hoisted into place by HVAC contract.
5. Assemble roof curbs, set in place, anchor and flash to roof structure.
6. Roof flashing for HS RTU's and Boilers will be by HVAC Contract.
7. Supply and install galvanized supply and return curb transitions.
8. Supply and install all interior and exterior ductwork, registers and diffusers and modifications.
9. Install RTUs onto curbs and weather tight.
10. Install all RTU accessories, including filters.
11. Supply and install all Boiler and domestic hot water piping, pumps, devices.
12. Install thermostats and make connections at RTUs and thermostats.
13. Structural steel for Chiller dunnage will be by Chiller contract. (not in HVAC Scope)
14. Program thermostats for heat, cooling and occupied & unoccupied times.
15. Start up and test RTUs, Split system for heat, cooling and fresh air.
16. Adjust all volume dampers and diffusers to provide proper air flow.
17. Make all ductwork connections for fans.
18. Integration of all new RTU's/Boilers and motors with the districts existing BMS will be by the districts controls vendor. See section "016400 Owner Furnished Products"
19. The remaining work not identified as work under other contracts.
20. Test all fans.
21. Balance system as per specifications.
22. Schedule and perform all inspections required by this scope of work.
23. Removal and disposal of daily generated debris.
24. Supply and install all VFD's.
25. Site Restoration of damaged areas
26. All equipment not stated as supplied by owner in section "016400 Owner Furnished Products" will be provided and installed by the HVAC Contract.
27. Upon completion of this contractor's work, all excess materials and debris in the building and site are to be removed and disposed of promptly.
28. File, pay for, and obtain all required permits, inspections and approvals.
29. This is a prevailing wage project.

F. Temporary facilities and controls in the General Construction Contract include, but are not limited to, the following:

1. Temporary facilities and controls that are not otherwise specifically assigned to the Electrical Contract or General Contract.
2. Temporary enclosure for building exterior, except as indicated.
3. General waste disposal facilities.
4. Temporary fire-protection facilities.
5. Environmental protection.
6. Restoration of Owner's existing facilities used as temporary facilities.

#### 1.9 ELECTRICAL CONTRACT

- A. Supply all necessary materials, labor, services, equipment and tools required to perform the following site electrical work for the project. All work to be installed in strict accordance with Specifications and Drawings. All installations shall conform to the NYS Building Code, and requirements of appropriate regulatory agencies.
- B. Supply all necessary materials, equipment, devices and labor for implementation and up-keep of site safety as it relates to this scope of work, to meet or exceed OSHA and / or safety agencies having jurisdiction on this project. Any and all costs resulting from OSHA cited violations will be the complete responsibility of this subcontractor.
- C. This project is a prevailing wage project and it is the responsibility of this sub-contractor to ensure that all of the latest rules and regulations published by the NYS Department of Labor, Wage and Workplace Standards Division, Public Contract Compliance Unit are strictly followed and adhered to. In the events of an audit conduct by the NYS Department of Labor, this sub-contractor will be responsible for any and all costs associated with the audit and the Departments' final decision.
- D. Work in the Electrical Contract includes, but is not limited to, the following:

- E. I Contract includes, but is not limited to, the following:
1. Supply and install all electrical materials, devices and equipment for the project.
  2. Supply and install complete electrical service from source to factory installed transformers, MDP, electrical panels, wiring, and devices.
  3. Disconnect and reconnection to all RTU's, Boilers, pumps and equipment.
  4. Supply and install all conduits, wiring from existing High School panels to new equipment.
  5. Disconnect and reconnect all electrical equipment for other trades.
  6. Supply and install Boiler's/RTU disconnects and make electrical connections.
  7. Supply and install Boiler's/RTU maintenance receptacles and make electrical connections.
  8. Supply and install all interior light fixtures.
  9. Supply and install all exit lights and emergency lights.
  10. Wire all VFD's.
  11. Disconnection and reconnection of all Fire alarm devices
  12. Disconnect and re-connection of all audio systems.
  13. Provide and install new Lighting and cable support and support trays.
  14. Test all site installed systems.
  15. Test all factory installed systems.
  16. Supply and install fire alarm modifications and new systems. Coordinate with owners monitoring service.
  17. File and obtain and pay for all required permits, inspections and approval.
  18. Schedule and perform all inspections required by this scope of work.
  19. Removal and disposal of daily generated debris.
  20. Upon completion of this contractor's work, all excess materials and debris in the building, connecting link and site are to be removed and disposed of promptly, and site restored to original condition.
  21. This is a prevailing wage project.
- F. Temporary facilities and controls in the Electrical Contract include, but are not limited to, the following:
1. Electric power service and distribution.
  2. Lighting, including site lighting.
  3. Electrical connections to existing systems and temporary facilities and controls furnished by the, HVAC Contract, Electrical Contract, General Contract.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 011200