

**BID PACKAGE****BP23 MECHANICAL SYSTEMS  
SCOPE OF WORK &  
PROJECT SPECIFIC CONDITIONS**

**Project Name: Wendell H. Murphy Football Center Kitchen Renovation**

**SCOPE OF WORK:**

Subcontractor agrees to commence Subcontractor's work herein described upon notification by Contractor and to perform and complete such Work in accordance with the Contract Documents and Contractor's Schedule.

**Scope** – This subcontractor agrees to furnish and install all necessary labor, materials, equipment, taxes incidentals, tools, sales and use taxes, licenses, permits, insurance, freight, supervision, engineering (if applicable) and overtime for the work listed below. Meet all industry and manufacturer's standards, the contract drawings & specifications, addenda if any, and all local/state/federal codes and insurance and/or incidentals necessary to provide **Mechanical Systems** for the **Wendell H. Murphy Football Center Kitchen Renovation** project. Work under this Subcontract Agreement specifically includes, but shall not be limited to, the following.

1. Work on this project will occur during school year with students and faculty in the building. The owner is allowing the majority of work to commence during normal working hours, but subcontractor understands work will be sequenced to comply with school's requirements. Loud, odorous, and work in currently occupied areas shall occur off-hours (7pm-7am or weekends). Subcontractor includes all out-of-sequence and off-hours work needed to comply with Owner's requirements.
2. Work in this scope includes Kitchen that is accessed from Level 1 loading dock. Subcontractor includes access and removal of debris from loading dock for this scope of work. Include protection of all finishes from Loading Dock Entry to work space.
3. All work outlined in project specifications to include but limited to:
  - a. 089000 Louvers and Vents
  - b. 230500 Common work Results for HVAC
  - c. 230513 Common Motor Requirements for HVAC Equipment
  - d. 230523 General duty Valves for HVAC Piping
  - e. 230529 Hangers and Supports for HVAC Piping & Equipment
  - f. 230553 Identification for HVAC Piping & Equipment
  - g. 230593 Testing, Adjusting and Balancing for HVAC
  - h. 230700 HVAC Insulation
  - i. 232113 Hydronic Piping
  - j. 233113 Metal Ducts

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- k. 233300 Air Duct Accessories
  - l. 233423 HVAC Power Ventilators
  - m. 233600 Air Terminal Units
  - n. 233713 Diffusers, Registers and Grilles
- 4. Competent and experienced Project Management and Field Supervision.
  - 5. Subcontractor on-site Superintendent shall be English speaking.
  - 6. Subcontractor to maintain as-built drawings on site to be reviewed monthly with Shelco prior to the approval of subcontractor's application for payment.
  - 7. Includes timely submittals, shop drawings, and as-built Record Documents.
  - 8. All closeout information such as warranties and as-built drawings shall be submitted and approved prior to final billing. O&M manuals shall be submitted with 50% billing. Delays in providing this documentation will result in held payments.
  - 9. Subcontractor Project Manager and Field Supervision are required to attend weekly subcontractor meetings. Daily field/manpower reports are required to be submitted to Shelco.
  - 10. Lower tier subcontractors must be supervised by prime subcontractor employees at all times.
  - 11. All subcontractor employees, including tier subcontractors and vendors, are required to abide by OSHA regulations and Shelco Safety Guidelines.
  - 12. Protection of all materials and equipment installed by Subcontractor will be the responsibility of the subcontractor for the duration of project.
  - 13. The subcontractor agrees to clean up their portion of the work daily. Clean-up under this agreement shall include the following but not limited to removal of all waste materials from all areas on a daily basis and placed in Shelco provided waste dumpsters. Subcontractor will abide by the Shelco Waste Management Plan.
  - 14. Subcontractor shall include protection of adjacent work and unfinished surfaces during the scope of work installation, including but not limited to, HVAC, plumbing, electrical, glazing, or other permanent structures.
  - 15. Coordinate and cooperate with all Public Inspection agencies. The subcontractor is responsible to call for all required inspections in order to maintain the current Shelco project schedule.
  - 16. Subcontractor is responsible for all lifting equipment required for their work, including: crane, man lifts, fork lifts, lift trucks, hoists, etc. The GC will not be providing any means of loading or unloading of subcontractor's materials.
  - 17. Subcontractor includes all means of accessing installation areas. This includes hoisting or means of getting materials and equipment to the project site.
  - 18. Subcontractor has reviewed the project schedule and has adequately staffed the project to meet the schedule dates. Work requiring loud or disruptive noise much be coordinated and completed after hours.
  - 19. Trash shall be removed from the project site daily.
  - 20. Subcontractor to complete scope per project schedule.
  - 21. Subcontractor has walked the site and included pricing for all items. No change orders will be issued for unknown items not shown on drawings when clearly known.
  - 22. All ductwork and piping demo per mechanical plans.

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23. Existing grease duct cleaning
24. New dishwash exhaust fan and removal of existing roof top fan. Subcontractor is required to provide new curb for EF if required.
25. Salvage and turn terminal units over to Owner as indicated on plans.
26. Furnish and install of all new terminal units as well as relocation of existing units required.
27. All air distribution diffusers, registers and grilles
28. PRE-DEMO TAB of existing units prior to removal for performance and control evaluation is included.
29. All HVAC piping, insulation and identification is included.
30. New Louvers for grease duct attachment is included for install by Glazing Contractor.
31. All controls work is included
32. Relocating of thermostats per plans
33. Stainless Steel Dishwasher exhaust duct connections/extensions are included
34. Install all fire alarm devices within HVAC system supplied by FA Vendor
35. Duct insulation including fire wrap on grease duct is included.
36. Mechanical contractor to include any and all roof cutting, patching and flashing associated with the removal of existing and installation of new equipment on the roof. Work would include any pipe boots for electrical or controls penetrations.
37. Existing Ductwork shown to be removed from 3<sup>rd</sup> floor to the roof will remain in place if sized correctly to avoid cutting into walls and chases on 4<sup>th</sup> floor. Ducts that would be removed completely will remain abandoned in place with cap on duct at roof and 3<sup>rd</sup> floor deck.
38. Mechanical contractor is responsible to clean cutting and ensuring existing to remain ductwork is not damaged and remains in good working condition. Any damages to existing ductwork or insulation by Mechanical contractor shall be repaired at no cost to GC or Owner.

### Alternates:

1. Players' Lounge Offices Mechanical Work

### MISCELLANEOUS ITEMS:

Coordination - Subcontractor shall be responsible for reviewing the complete set of building contract drawings and coordinating his work with all other trades involved, including building design loads, underground utility design, and bridging requirements.

Supervision - Subcontractor shall provide one Superintendent or Foreman for project to interface with Shelco Project Superintendent. Subcontractor's Superintendent or Foreman shall not be changed without prior approval of Shelco's Project Superintendent. Subcontractor's Superintendent or Foreman shall be present on site at all times while Subcontractor is performing work.

Seismic - Subcontractor shall be responsible to install and support systems to resist all applicable seismic forces per project requirements.

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Warranty – The Subcontractor shall provide a one-year workmanship warranty from the date of final acceptance from the Owner.

Equipment - Subcontractor includes all lifts, equipment, etc. as required for safe installations.

Final Cleaning - Final cleaning is by others, however, the Contractor shall leave his work in a “construction cleaned” condition. “Construction cleaned” is defined as being broom clean when finishing is complete. Comply with product manufacturer’s recommendations for cleaning.

It is the intent of this Agreement that a complete and fully complete **Mechanical Package** in accordance with the contract documents, including miscellaneous items required but not explicitly specified or shown. Subcontractor shall furnish and install all parts, accessories, devices, protection, and all other items necessary for his system to perform its intended function, except as specifically excluded elsewhere in this agreement. Subcontractor shall not assume that any item adjacent to or interfacing with its work will be furnished by others unless specifically so identified elsewhere in this subcontract.