

## SECTION 230000 – HVAC SCOPE OF WORK

## RELATED DOCUMENTS:

All drawings and specifications by AVG Architecture. Notice to Bidders, Instructions to Bidders, EEO-Ohio Administrative Code Rules, Agreement Between Owner and Contractor, General Conditions, Special Conditions, and the entire State of Ohio, Ohio School Facilities Commission contract requirements.

## DESCRIPTION OF WORK:

The work of this Bid Package shall include the following disciplines:

1. Common Work Results for HVAC
2. Hydronic Piping Specialties
3. Meters and Gages for HVAC Piping
4. General Duty Valves for HVAC Piping
5. Hydronic HVAC Flow Control
6. Hangers and Supports for HVAC Piping and Equipment
7. Through Penetration Firestopping
8. Glycol Heat Transfer Fluid and Feed System
9. Mechanical Vibration Control
10. Identification for HVAC Piping and Equipment
11. Testing, Adjusting, and Balancing
12. Mechanical Insulation
13. Commissioning of Mechanical Systems
14. HVAC Direct Digital Controls
15. Variable Frequency Drivers
16. Sequence of Operations for HVAC Controls
17. HVAC Piping
18. Hydronic Pumps
19. Refrigerant Piping
20. HVAC Water Treatment
21. Low-Pressure Ductwork
22. Medium-Pressure Ductwork
23. Flexible Ductwork
24. Ductwork Accessories
25. Centrifugal HVAC Fans
26. Air Terminal Units
27. Diffusers, Registers, and Grilles
28. HVAC Gravity Ventilators
29. Exterior Wall Louvers
30. Roof Curbs
31. Breeching, Chimneys, and Stacks
32. Condensing Boilers
33. Refrigerant Condensing Units
34. Rotary Scroll Water Chiller
35. Air to Air Energy Recovery Equipment
36. Modular Indoor Air Handling Units
37. Computer Room Air Conditioners
38. Ductless Split System

- 39. Unit Heaters - Propeller
- 40. Cabinet Unit Heaters
- 41. Electric Unit Heaters

#### ELABORATION OF WORK:

Provide all labor, materials, equipment, tools, supplies, services, and perform all things necessary to complete all work in accordance with the Specifications Sections, Documents and Drawings indicated and requirements as described to complete the intended scope without limitation by the general description.

All products and procedures as described in the following sections.

Section 23 00 00- HVAC Scope of Work  
Section 23 05 00- Common Work Results for HVAC  
Section 23 05 16- Hydronic Piping Specialties  
Section 23 05 19- Meters and Gages for HVAC Piping  
Section 23 05 23- General Duty Valves for HVAC piping  
Section 23 05 25- Hydronic HVAC Flow Control  
Section 23 05 29- Hangers and Supports for HVAC Piping and Equipment  
Section 23 05 30- Through Penetration Firestopping  
Section 23 05 34- Glycol Heat Transfer Fluid and Feed System  
Section 23 05 48- Mechanical Vibration Control  
Section 23 05 53- Identification for HVAC Piping Equipment  
Section 23 05 93- Testing, Adjusting, and Balancing  
Section 23 07 00- Mechanical Insulation  
Section 23 08 00- Commissioning of Mechanical Systems  
Section 23 09 00- HVAC Direct Digital Controls  
Section 23 09 10- Variable Frequency Drives  
Section 23 09 93- Sequence of Operations for HVAC Controls  
Section 23 21 13- HVAC Piping  
Section 23 21 23- Hydronic Pumps  
Section 23 23 00- Refrigerant Piping  
Section 23 25 00- HVAC Water Treatment  
Section 23 31 13- Low-Pressure Ductwork  
Section 23 31 14- Medium-Pressure Ductwork  
Section 23 31 15- Flexible Ductwork  
Section 23 33 00- Ductwork Accessories  
Section 23 34 16- Centrifugal HVAC Fans  
Section 23 36 00- Air Terminal Units  
Section 23 37 13- Diffusers, Registers & Grilles  
Section 23 37 23- HVAC Gravity Ventilators  
Section 23 37 25- Exterior Wall Louvers  
Section 23 37 26- Roof Curbs  
Section 23 51 00- Breeching, Chimneys, and Stacks  
Section 23 52 22- Condensing Boilers  
Section 23 62 00- Refrigerant Condensing Units  
Section 23 64 26- Rotary Screw Water Chiller  
Section 23 72 00- Air to Air Energy Recovery Equipment

Section 23 73 13- Modular Indoor Air Handling Units

Section 23 81 23- Computer Room Air Conditioners

Section 23 81 26- Ductless Split System

Section 23 82 39- Unit Heaters – Propeller

Section 23 82 40- Cabinet Unit Heaters

Section 23 83 33- Electric Unit Heaters

END OF SECTION 23000

THIS PAGE IS INTENTIONALLY LEFT BLANK