

### Primary Engineering, Inc.

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Date: **3/12/2025** 

Project: FWCS HPB Natatorium HVAC Improvements

Comm #: **24634** 

The following items shall be incorporated into the specifications and drawings and are considered to be integral to the bid documents for the project. Acknowledgement of receipt of this addendum is required on the bid form.

#### Item #1: General Clarifications.

**A.** The Contractor/Supplier acknowledges that all pricing submitted in bid response is firm and includes any and all costs associated with current and potential tariffs, duties, or import/export restrictions. FWCS will not accept any price adjustments, change orders, or additional charges related to tariff increases, trade restrictions, or other governmental actions affecting material or supply costs. The Contractor/Supplier assumes all risk for such costs and shall not be entitled to additional compensation for any tariff-related impacts.

#### Item #2: Specification Section 011000 "Summary of Work."

**A.** Revise Additional Work restrictions Part 1.9 B.3. See attached revised specification section.

#### Item #3: Drawing Sheet M001 "Mechanical Information Sheet."

**A.** Revise Additional Work Restrictions. See attached drawing revision to M001 dated 3/12/2025.





#### SECTION 011000 - SUMMARY OF WORK

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 Work of this Section.

#### 1.2 SUMMARY

- A. Section Includes:
  - 1. Project information.
  - 2. Work covered by Contract Documents.
  - 3. Work by Owner.
  - 4. Work under separate contracts.
  - 5. Future work.
  - 6. Owner-furnished products.
  - 7. Contractor-furnished, Owner-installed products.
  - 8. Access to site.
  - 9. Coordination with occupants.
  - 10. Work restrictions.
  - 11. Specification and drawings conventions.
  - 12. Miscellaneous provisions.
- B. Related Requirements:
  - 1. Section 015000 "Temporary Facilities and Controls" for limitations and procedures governing temporary use of Owner's facilities.

#### 1.3 PROJECT SUMMARY

- A. Project Identification: HPB Natatorium.
  - 1. Project Location: 3301 Calhoun Street, Fort Wayne, IN 46807.



- B. Owner: Fort Wayne Community Schools
  - 1. Owner's Representative: Jayde Steffen
- C. Lead Design Consultant: Primary Engineering, Inc.
- D. Consultants: Primary Engineering, Inc. has retained the following design professionals who have prepared designated portions of the contract documents:
  - 1. Bertsch Frank & Associates LLC
  - 2. Structural Engineering Services, LLC
  - 3. Moake Park Group, Inc.
- E. The Owner maintains tax exempt status and all work shall be tax free. Owner shall provide tax exempt documentation to Contractor.
- F. All permits and fees associated with the construction are the responsibility of the Contractor to pay.
- G. All work performed by the Contractor shall comply with local and state codes/regulations.
- H. Web-Based Project Software: Project software administered by Owner will be used for purposes of managing communication and documents during the construction phase.
  - 1. See Section 0113100 "Project Management and Coordination" for requirements for using web-based Project software.

#### 1.4 WORK COVERED BY CONTRACT DOCUMENTS

- A. The work of the Project is defined by the Contract Documents and consists of the following:
  - 1. Base Bid: The Project Base Bid consists of HVAC improvements.
  - 2. Alternate Bids: See section 012300 Alternates.
- B. Type of Contract:
  - 1. Project will be constructed under a single prime contract.
    - a. Temperature controls work and any required asbestos abatement shall be separate contracts direct to Owner.

#### 1.5 WORK BY OWNER

A. General: Cooperate fully with Owner so work may be carried out smoothly, without interfering with or delaying work under this Contract or by Owner. Coordinate the Work of this Contract with work performed by Owner.



#### 1.6 WORK UNDER SEPARATE CONTRACTS

- A. General: Cooperate fully with separate contractors so work on those contracts may be carried out smoothly, without interfering with or delaying Work under this Contract or other contracts. Coordinate the Work of this Contract with work performed under separate contracts.
  - 1. Asbestos abatement shall be provided under separate contract. All contractors must coordinate schedules and it is the responsibility of the General Contractor to incorporate the work schedule of the abatement contractors into the master project schedule with allocated time for removal and air testing.
  - 2. Temperature controls work shall be provided under separate contract with Automated Logic Controls. All contractors must coordinate schedules and it is the responsibility of the General Contractor to incorporate the work schedule of the controls contractor into the master project schedule with allocated time for installation of controls following mechanical/electrical equipment with adequate time at the completion of each phase for check-out and verification.

#### 1.7 ACCESS TO SITE

- A. Bidding: Each contractor and sub-contractor shall be responsible to visit the project site to verify existing conditions prior to the bidding date and be aware of the conditions of the existing building. The Owner will make the building available for inspection as follows:
  - 1. Tuesday, March 4 from 11:30am-12:30pm
  - 2. Monday, March 10 from 10:30am-12:30pm
  - 3. Thursday, March 13 from 2:45-4:45pm. Do not arrive prior to 2:45 pm.
- B. General: Each Contractor shall have limited use of Project site for construction operations as indicated on Drawings by the Contract limits and as indicate by requirements of this section.
- C. Use of Site: Limit use of Project site to Work in areas indicated. Do not disturb portions of Project site beyond areas in which the Work is indicated.
  - 1. Driveways, Walkways and Entrances: Keep driveways, loading areas and entrances serving premises clear and available to Owner, Owner's employees and emergency vehicles at all times. Do not use these areas for parking or for storage of materials.
    - a. Schedule deliveries to minimize use of driveways and entrance by construction operations.
    - b. Schedule deliveries to minimize space and time requirements for storage of material and equipment on site.
- D. Condition of Existing Building: Maintain portions of existing building affected by construction operations in a weathertight condition throughout construction period. Repair damage caused by construction operations.



- 1. Protect staff and students from dangerous conditions that might result from construction activities.
- E. Condition of Existing Grounds: Maintain portions of existing grounds, landscaping and hardscaping affected by construction operations throughout construction period. Repair damage caused by construction operations.
- F. Each Contractor shall limit the use of the premises for work and storage to allow work by other Contractors and Owner occupancy. Storage of materials for construction activities in existing buildings is permissible only upon approval by the assigned Owner Project Coordinator.
  - 1. Each Contractor shall assume complete responsibility for the protection and safekeeping of products under his contract, stored at the site.
  - 2. Each Contractor shall move his stored products that interfere with the operation of the Owner or other Contractors.

#### 1.8 COORDINATION WITH OCCUPANTS

- A. Full Owner Occupancy: Owner will occupy site and existing building(s) during entire construction period. Cooperate with Owner during construction operations to minimize conflicts and facilitate Owner usage. Perform the work so as not to interfere with Owner's day-to-day operations. Maintain existing exits unless otherwise indicated.
  - 1. Maintain access to existing walkways, corridors and other adjacent occupied or used facilities. Do not close or obstruct walkways, corridors or other occupied or used facilities without written permission from Owner and approval of authorities having jurisdiction.
  - 2. Notify Owner not less than 72 hours in advance of activities that will affect Owner's operations.
  - 3. Note that the primary functions of this school facility must continue and can not be interrupted by the construction activities. Special considerations for noise/dust/odor control must be provided to prevent disruption of the academic environment.
  - 4. Contractors shall maintain an atmosphere of professionalism while on school grounds.
    - a. Use of profane or lewd language by workers will not be tolerated.
    - b. Any worker wearing clothing containing vulgar or inappropriate content will be asked to leave the premises immediately.
    - c. Use of radios/cell phones to play loud music will not be permitted.

#### 1.9 WORK RESTRICTIONS

A. Work Restrictions, General: Comply with restrictions on construction operations.



- 1. Comply with limitations on use of public streets and with other requirements of authorities having jurisdiction.
- B. On-Site Work Hours: Limit work in the existing building to normal business working hours of 7:00 a.m. to 5:00 p.m., Monday through Friday, unless otherwise indicated.
  - 1. Weekend Hours: With Owner's prior approval, weekend hours may be permitted. Notification of need for weekend hours must be submitted no later than two (2) weeks prior to weekend needed for work.
  - 2. Hours for Utility Shutdowns: Power shutdowns must occur when the building is not occupied and must be scheduled with the Owner in advance. Extended shutdowns lasting more than 4 hours must occur on a weekend and utilize overnight periods to be scheduled with the Owner.
  - 3. Additional Work Restrictions: Work shall be restricted by the following:
    - a. Definitions:
      - "Non-Deck": Indoor Work allowed on First Floor in mechanical, storage, and support spaces. Work allowed on Second Floor. Work on first floor natatorium pool deck prohibited. Natatorium utility interruptions prohibited.
      - ii. "Pool Empty": Pool will be drained. All Work Allowed. Natatorium utility interruptions allowed.
      - iii. "Outdoor": Indoor Work prohibited. Outdoor Work allowed. Natatorium utility interruptions prohibited.
      - iv. "City Swim Meet": All work prohibited. Utility interruptions prohibited. Contractor access to site prohibited. No contractor equipment or materials stored on site. All work areas clean and protected.
    - b. August 4, 2025 through October 31, 2025: "Outdoor."
    - c. March 2, 2026 through July 10, 2026: "Outdoor."
    - d. July 27, 2026 through October 23, 2026: "Outdoor."
    - e. August 4, 2025 through August 29, 2025: "Pool Empty."
    - f. July 27, 2026 through October 9, 2026: "Pool Empty."
    - g. August 30, 2025 through September 26, 2025: "Non-Deck."
    - h. March 30, 2026 through April 6, 2026: "Non-Deck."
    - i. October 12, 2026 through October 23, 2026: "Non-Deck."
    - j. July 18 and 19, 2025 and August 1, 2, and 3, 2025: "City Swim Meet."
    - k. July 17, 18, 23, 24, 25, and 26, 2026: "City Swim Meet."



- C. Existing Utility Interruptions: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after providing temporary utility services according to the requirements indicated:
  - 1. Notify Owner not less than seven (7) days in advance of proposed utility interruptions.
  - 2. Obtain Owner's written permission before proceeding with utility interruptions.
- D. Noise, Vibration and Odors: Coordinate operations that may result in high levels of noise and vibration, odors or other disruption to Owner occupancy with Owner.
  - 1. Notify Owner not less than seven (7) days in advance of proposed disruptive operations.
  - 2. Obtain Owner's written permission before proceeding with disruptive operations.
  - 3. Each Contractor and Sub-contractor shall take reasonable measures to limit activities which cause undue noise during 2<sup>nd</sup> shift work which may affect neighboring residents.
    - a. Refrain from using telescoping forklifts to dump trash after 9:00 pm.
    - b. Take special care in closing storage containers at the end of the work shift (do not slam container doors).
    - c. Schedule material and equipment deliveries during late afternoon hours only.
- E. I-LEARN/Achievement Testing: Testing will occur in the spring and fall of each school year. Contractor shall verify exact dates with Owner. NO work shall be permitted in the building during the school day during testing without prior written approval. The Owner reserves the right to allow specific trades and activities in limited areas depending on the potential for noise and disturbance during these times.
  - 1. Any inspection work occurring during testing periods must be completed either before or after school is in session.
- F. Restricted Substances: Use of tobacco products, e-cigarettes (vaping) and other controlled substances on Project site is not permitted on Fort Wayne Community Schools property.
- G. Employee Identification: Provide identification in the form of clothing or hard hats with company logos for all Contractor and Sub-contractor personnel working on Project site. Require personnel to wear identification at all times.

#### 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 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 the typical generic terms as part of the U.S. National CAD Standard and scheduled on Drawings.
  - 3. Keynoting: Materials and products are identified by reference keynotes referencing Specification Section numbers found in this Project Manual.

#### 1.11 MISCELLANEOUS PROVISIONS

- A. Asbestos Containing Materials (ACM)
  - 1. Any ACM shall be removed by the Owner prior to the start of work schedule by the Contractor.
  - 2. If any other suspect ACM is discovered during the course of work, Contractor shall promptly notify the Owner. Owner shall perform testing and, if determined to be regulated asbestos containing building materials, Category I or Category II non-friable asbestos containing materials, the Owner will be responsible to remove materials in compliance with regulatory standards.
  - 3. Contact FWCS designated Project Manager at (260) 467-2075.

#### B. Existing Conditions

- 1. Each Contractor is responsible to field verify existing conditions and dimensions. The Contractor requiring said verification for the construction or fabrication of his material shall be the Contractor responsible for procurement of the field information.
- 2. Notify the design architect/engineer promptly if existing field conditions differ from those indicated on the bid documents. Do not remove or alter structural components without prior written approval.
- C. Each Contractor shall be responsible for securing his work and equipment at the close of each work day.
- D. Fire alarms: If the work requires repair, modifications or replacement of fire alarm systems or components, the Contractors shall provide notification to the Owner a minimum of 72 hours before a fire alarm is rendered inactive.

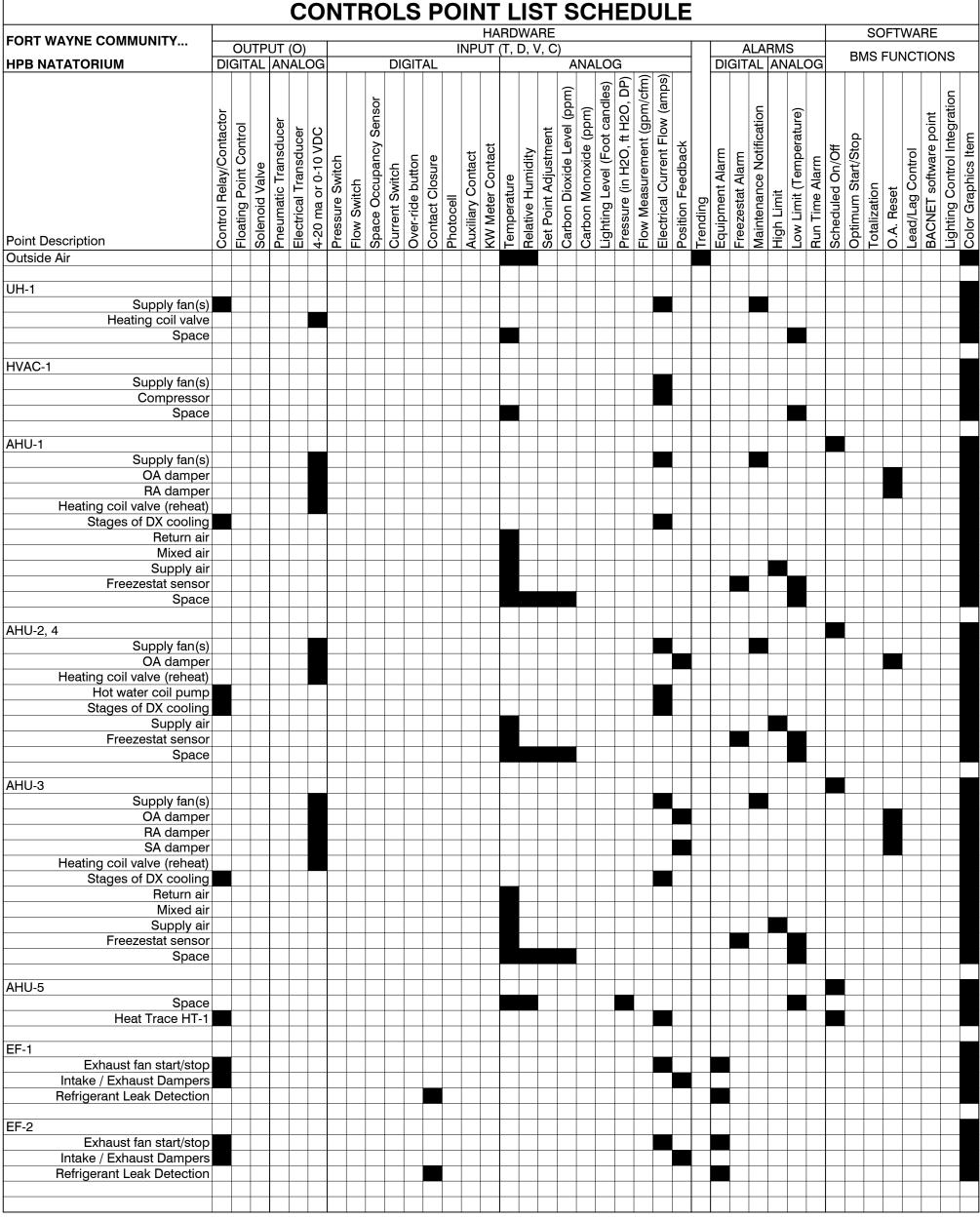


1. If a fire alarm device is fouled with construction debris/duct/dirt and activates the alarm system, the Contractor shall be solely responsible for all costs associated with false fire truck dispatch and shall replace the soiled device with a new device matching the device that initiated the alarm. Cleaning a triggering device is not acceptable.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION (Not Applicable)

**END OF SECTION** 

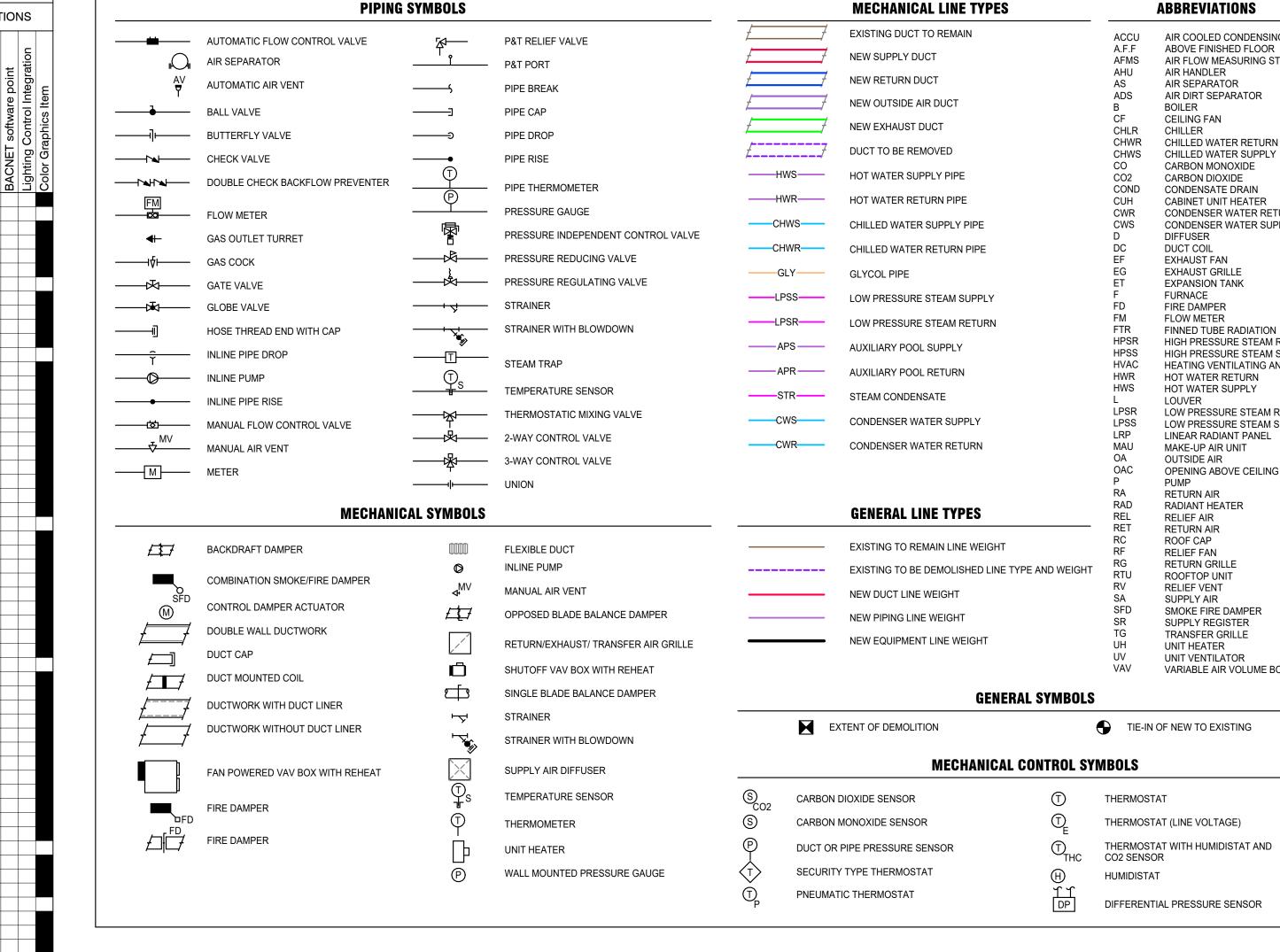


ITEM	TEMPERATURE CONTROL CONTRACTOR	MECHANICAL CONTRACTOR	ELECTRICAL CONTRACTOR	REMARKS
FURNISH CONTROL VALVES	X			
INSTALL CONTROL VALVES		Х		2
ROUGH-IN OF THERMOSTAT WALL BOXES	X			
FURNISH PIPE WELLS FOR SENSORS	X			
INSTALL PIPE WELLS FOR SENSORS		Х		
PROVIDE 120 VOLT POWER FOR CONTROL PANELS			Х	
PROVIDE 120 VOLT POWER FOR ADDITIONAL SLAVE CONTROL PANELS	X			
PROVIDE INTERLOCK WIRING BETWEEN DEVICES, PANELS, BOILERS, CHILLERS, ETC.	X			
INSTALL LOOSE SENSORS FURNISHED BY MANUFACTURER	X			
FURNISH VARIABLE SPEED DRIVES	X			1
INSTALL VARIABLE SPEED DRIVES			Х	1
PROVIDE LINE AND LOAD WIRING TO VARIABLE SPEED DRIVES			Х	
PROVIDE CONTROL WIRING TO VSD	X			
PROGRAM AND STARTUP VSD	X			
PROVIDE 120 VOLT POWER TO CONTROLS			X	
PROVIDE LOW VOLTAGE CABLING TO CONTROLS	X			
FURNISH CONTROL DAMPERS	Х	Х		2
INSTALL CONTROL DAMPERS		Х		
FURNISH DAMPER ACTUATORS	X			2
INSTALL DAMPER ACTUATORS	X			
WIRE LOW VOLTAGE DAMPER ACTUATORS	X			
WIRE LINE VOLTAGE DAMPER ACTUATORS			X	
PROGRAM AND COMMISSION BOILER SEQUENCER		Х		
PROGRAM AND COMMISSION CHILLER SEQUENCER		Х		
COORDINATE PROJECT SCHEDULE WITH ALL TRADES	Х	Х	X	
PROVIDE SHOP DRAWINGS TO ALL TRADES	X	Х		
VERIFY AND TEST SEQUENCE OF OPERATIONS	X			
TERMINATE DUCT DETECTORS			X	
ROOF PENETRATIONS		X		3
PROVIDE DUCT DETECTORS			Х	
PROVIDE 120 VOLT POWER TO SOLENOID VALVES			X	4
PROVIDE LOW VOLTAGE CABLING TO SOLENOID VALVES	X			
PROVIDE AND INSTALL REFRIGERANT MONITORING SYSTEM	X			
DEMOLITION OF EXISTING CONTROLS	X			
SALVAGE OF EXISTING CONTROLS	X			

1. PACKAGED VSD'S INTERNAL TO HVAC EQUIPMENT SHALL BE FURNISHED BY EQUIPMENT MANUFACTURER UNLESS NOTED OTHERWISE. REFER TO EQUIPMENT SCHEDULES FOR VSD'S TO BE FURNISHED BY EQUIPMENT MANUFACTURER.

PACKAGED CONTROL DAMPERS, VALVES, AND ACTUATORS INTEGRAL TO HVAC EQUIPMENT SHALL BE FURNISHED BY EQUIPMENT MANUFACTURER UNLESS NOTED OTHERWISE. REFER TO EQUIPMENT SCHEDULES AND DETAILS FOR MORE INFORMATION.

3. TCC COORDINATE WITH GC FOR ROOF PENETRATIONS. 4. TCC COORDINATE WITH MC FOR REFRIGERANT AND GAS PIPING SOLENOID VALVE LOCATIONS.



**MECHANICAL SYMBOL SCHEDULE** 

### **GENERAL DEMOLITION NOTES**

- ALL EXISTING PENETRATIONS FROM DUCT/PIPE/WIRE/CONDUIT THAT ARE REMOVED SHALL BE PATCHED BY PROPER TRADES TO MATCH SURROUNDINGS UNLESS PENETRATION IS TO BE REUSED. PATCH ALL FLOOR AND WALL PENETRATIONS TO MAINTAIN FIRE RATED CONSTRUCTION. REFER TO CUTTING AND PATCHING NOTES.
- ALL PIPE TO BE REMOVED SHALL BE REMOVED TO WITHIN CONCEALED AREAS SUCH AS WALL CAVITIES AND BELOW FLOOR SLABS. CAP PIPING AIR AND WATER TIGHT. PATCH SURFACES TO MATCH ADJACENT.
- PRIOR TO CUTTING EXISTING SLAB ON GRADE, CONTRACTOR SHALL VERIFY PRESENCE OF EXISTING UTILITIES SUCH AS PIPING, CONDUIT, WIRE, ETC. AND SHALL TAKE PRECAUTIONS TO PROTECT EXISTING UTILITIES, ISOLATE PIPING, AND DE-ENERGIZE ELECTRICAL POWER.

# **EXISTING FINISHES**

- EXISTING SECOND FLOOR CARPET TILE FLOORING: J+J FLOORING KINETEX ANALOG 1821 COLOR
- EXISTING CONCESSION AND RESTROOM CEILINGS: 2x4 VINYL COVERED CEILING TILE USG 3260
- EXISTING CEILINGS: 2x2 ACOUSTICAL CEILING TILE USG 2310.
- 4. EXISTING INTERIOR WALL PAINT: PPG FWCS SPECIAL UMBER. EXISTING VINYL FLOOR TILE: ARMSTRONG STANDARD EXCELON, IMPERIAL TEXTURE, 12"x12", 0.125"

# **GENERAL FIRE PROTECTION NOTES**

- 1. ALL WORK SHALL COMPLY WITH THE CURRENT VERSION OF NFPA 13 AND ALL LOCAL, STATE, AND NATIONAL CODES.
- ALL PIPING SHALL BE SCH 40 STEEL, SCH 10 STEEL, SCH 40 GALVANIZED, OR DYNAFLOW/MEGAFLOW PIPE WITH ROLL-GROOVE COUPLING JOINTS, THREADED, OR FLANGED CONNECTION
- ALL PIPING EXPOSED TO VIEW IN FINISHED SPACES (OTHER THAN EQUIPMENT ROOMS) SHALL BE
- THE INSTALLING CONTRACTOR SHALL DESIGN THE FIRE PROTECTION SYSTEM AND SUBMIT FOR REVIEW BY THE ENGINEER AND SUBSEQUENTLY SUBMIT FOR REVIEW BY STATE AND LOCAL
- ALL PIPING SHALL BE LABELED "FIRE PROTECTION WATER".
- INSTALLER'S RESPONSIBILITIES INCLUDE DESIGNING, FABRICATING, AND INSTALLING SPRINKLER SYSTEMS AND PROVIDING PROFESSIONAL ENGINEERING SERVICES NEEDED TO ASSUME ENGINEERING RESPONSIBILITY.

# ADDITIONAL WORK RESTRICTIONS

OWNER WILL OCCUPY PROJECT SITE AND BUILDING DURING ENTIRE CONSTRUCTION PERIOD. ALL WORK SHALL BE RESTRICTED TO DAYS AND TIMES SHOWN BELOW AND ACCORDING TO SUMMARY OF WORK SPECIFICATION SECTION 011000. SEE DEFINITIONS BELOW.

- AUGUST 4, 2025 THROUGH OCTOBER 31, 2025: "OUTDOOR."
- MARCH 2, 2026 THROUGH JULY 10, 2026: "OUTDOOR."
- 4. JULY 27, 2026 THROUGH OCTOBER 23, 2026: "OUTDOOR."
- AUGUST 4, 2025 THROUGH AUGUST 29, 2025: "POOL EMPTY."
- 6. JULY 27, 2026 THROUGH OCTOBER 9, 2026: "POOL EMPTY."
- AUGUST 30, 2025 THROUGH SEPTEMBER 26, 2025: "NON-DECK."
- 8. MARCH 30, 2026 THROUGH APRIL 6, 2026: "NON-DECK."
- 9. OCTOBER 12, 2026 THROUGH OCTOBER 23, 2026: "NON-DECK."
- 10. JULY 18 AND 19, 2025 AND AUGUST 1, 2, AND 3, 2025: "CITY SWIM MEET."
- "NON-DECK" DEFINITION: INDOOR WORK ALLOWED ON FIRST FLOOR IN MECHANICAL ROOMS, STORAGE ROOMS, AND SUPPORT SPACES. WORK ALLOWED ON SECOND FLOOR. WORK ON FIRST
- 13. "POOL EMPTY" DEFINITION: POOL WILL BE DRAINED. ALL WORK ALLOWED. NATATORIUM UTILITY
- "OUTDOOR" DEFINITION: INDOOR WORK PROHIBITED. OUTDOOR WORK ALLOWED. NATATORIUM
- "CITY SWIM MEET" DEFINITION: ALL WORK PROHIBITED. UTILITY INTERRUPTIONS PROHIBITED. CONTRACTOR ACCESS TO SITE PROHIBITED. NO CONTRACTOR EQUIPMENT OR MATERIALS STORED ON SITE. ALL WORK AREAS CLEAN AND PROTECTED.

# GENERAL MECHANICAL NOTES

DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. CONTRACTOR SHALL PROVIDE AND INSTALL ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.

- SERVICE CLEARANCES TO ALL SYSTEMS. COORDINATE NEW DUCTWORK AND PIPING WITH ELECTRICAL JUNCTION BOXES TO PREVENT OBSTRUCTIONS.
- DO NOT SCALE DRAWINGS FOR DIMENSIONS. REFER TO DIMENSIONED DRAWINGS.
- DEVIATIONS FROM BASIS OF DESIGN THAT AFFECT OTHER TRADES ARE THE RESPONSIBILITY OF THIS CONTRACTOR. ADDITIONAL COSTS TO PROVIDE LARGER ELECTRICAL CIRCUITS, MORE FLOOR SPACE, ADDITIONAL SUPPORTS, ADDITIONAL MATERIALS, ETC. SHALL BE BORNE BY THIS
- CONTRACTOR SHALL PROVIDE AND INSTALL CUSTOM METAL FILTER FRAME AND MEDIA FROM
- 10. CONTRACTOR SHALL LABEL EXISTING ELECTRICAL JUNCTION BOXES AND DEVICES ASSOCIATED
- ENGINEER PRIOR TO TIE-IN.
- PROVIDE AND INSTALL 16 GAUGE WELDED GALVANIZED STEEL CAP ON EXISTING ROOF CURBS FLEXIBLE ELASTOMERIC INSULATION.
- 13. CONTRACTOR SHALL SALVAGE AND RECLAIM EXISTING REFRIGERANT FROM REFRIGERATION EQUIPMENT TO BE REMOVED INTO OWNER-FURNISHED CONTAINER AND DELIVER TO OWNER.
- 14. CONTRACTOR AND/OR SUBCONTRACTOR SHALL NOT STAGE AND/OR STORE MATERIALS ON EXISTING ROOF SYSTEMS NOT PART OF THIS WORK. PROTECT EXISTING ROOFING WITH 1/2" THICK PLYWOOD
- 15. ITEMS NOTED TO BE SALVAGED SHALL BE DELIVERED TO OWNER BY CONTRACTOR. DELIVER TO FWCS FACILITIES 1519 CATALPA STREET, FORT WAYNE, INDIANA 46802. COORDINATE DELIVERY WITH OWNER. PROVIDE TRANSMITTAL AND SHIPPING RECEIPT TO CONFIRM DELIVERY AND RECEIPT BY
- INCLUDING BUT NOT LIMITED TO PAINT, VINYL AND CARPET FLOOR TILE, AND ACOUSTICAL CEILING

ALL ROOMS SHALL BE CONSIDERED HOSTILE OR CORROSIVE ENVIRONMENT. ALL MATERIAL FOR

- 18. PROVIDE AND INSTALL NEW STRUCTURAL LINTEL AT ALL NEW MECHANICAL OPENINGS THROUGH EXISTING WALLS. REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION.
- ALL PENETRATIONS INTO EXISTING SURFACES WHERE EXISTING EQUIPMENT, FIXTURES, DUCTWORK, PIPING, CONDUIT, WIRING, WIRE MOLE, ETC. IS TO BE REMOVED SHALL BE PATCHED BY PROPER TRADES USING MATERIALS THAT ARE IDENTICAL TO EXISTING. REFER TO CUTTING AND PATCHING SPECIFICATION SECTION 017329 FOR MORE INFORMATION. CONTRACTOR SHALL FIELD VERIFY ALL
- PATCHING OF EXISTING PAINTED SURFACES SHALL INCLUDE PAINTING TO MATCH EXISTING PAINT COLOR AND SHEEN. EXISTING PENETRATIONS OF CMU BLOCK AND BRICK WALLS LARGER THAN 2" DIA. SHALL BE PATCHED WITH FULL TOOTHED-IN MATCHING CMU BLOCK OR BRICK UNITS WITH COLOR MATCHING GROUT. PENETRATIONS 2" DIA. AND SMALLER SHALL BE PATCHED WITH COLOR MATCHING GROUT.
- EXISTING PENETRATIONS OF PLASTER OR GYPSUM SURFACES SHALL BE PATCHED WITH (2) LAYERS 5/8" USG AQUA-TOUGH DRYWALL FRAMED WITH 20 GAUGE STEEL STUDS AT 16" O.C. AND FINISHED
- REMOVING AND REPLACING FULL TILES TO MATCH EXISTING. EXISTING PENETRATIONS OF EXTERIOR BRICK WALL SHALL BE PATCHED WITH SALVAGED BRICK AND
- REPLACING FULL TILES TO MATCH EXISTING.

**ABBREVIATIONS** 

AIR HANDLER

BOILER

CHILLER

DUCT COIL

FURNACE

EXHAUST FAN

FIRE DAMPER

FLOW METER

FXHAUST GRILLE

**EXPANSION TANK** 

FINNED TUBE RADIATION

HOT WATER RETURN

HOT WATER SUPPLY

LINEAR RADIANT PANEL

OPENING ABOVE CEILING

MAKE-UP AIR UNIT

OUTSIDE AIR

RETURN AIR

RELIEF AIR RETURN AIR ROOF CAP

RELIEF FAN RETURN GRILLE

ROOFTOP UNIT

RELIEF VENT

SUPPLY AIR

SMOKE FIRE DAMPER

VARIABLE AIR VOLUME BOX

SUPPLY REGISTER

TRANSFER GRILLE

UNIT HEATER UNIT VENTILATOR

RADIANT HEATER

HIGH PRESSURE STEAM RETURN

LOW PRESSURE STEAM RETURN

LOW PRESSURE STEAM SUPPLY

HEATING VENTILATING AND COOLING UNIT

HIGH PRESSURE STEAM SUPPLY

CEILING FAN

AIR SEPARATOR

AIR DIRT SEPARATOR

CHILLED WATER RETURN

CHILLED WATER SUPPLY

CARBON MONOXIDE

CONDENSATE DRAIN

CABINET UNIT HEATER

CONDENSER WATER RETURN

CONDENSER WATER SUPPLY

CARBON DIOXIDE

A.F.F

AHU

CHLR

CHWR

CHWS

HPSS

HWR

HWS

AIR COOLED CONDENSING UNIT

AIR FLOW MEASURING STATION

ABOVE FINISHED FLOOR

- COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS TO PERMIT ACCESS AND
- CONTRACTOR SHALL PROVIDE AND INSTALL VOLUME CONTROL DAMPER WITH ALL GRILLES, DIFFUSERS, AND REGISTERS. DAMPER SHALL BE INSTALLED IN AN ACCESSIBLE LOCATION.
- REFER TO DETAIL SHEETS FOR ADDITIONAL INFORMATION.
- CONTRACTOR. COORDINATE WITH OTHER TRADES.
- ALL THERMOSTATS/HUMIDITY SENSORS WITH ADJUSTMENT BUTTONS/SLIDERS/KNOBS/DISPLAYS/ETC. SHALL BE MOUNTED WITH THE TOP OF THE DEVICE NO

REQUIREMENTS. PROVIDE AND INSTALL ADDITIONAL SURFACE RACEWAY, BOXES, CONDUIT, ETC. AS

- REQUIRED TO OFFSET AROUND EXISTING DEVICES. DUCTWORK SIZES SHOWN INDICATE NOMINAL INTERIOR DIMENSIONS. DOUBLE WALL AND INTERNALLY LINED DUCTWORK EXTERIOR DIMENSIONS ARE GREATER THAN SIZES SHOWN.
- HOMETOWN FILTER FOR ALL HVAC EQUIPMENT UNLESS NOTED OTHERWISE. CONTRACTOR SHALL REMOVE CONSTRUCTION FILTERS.

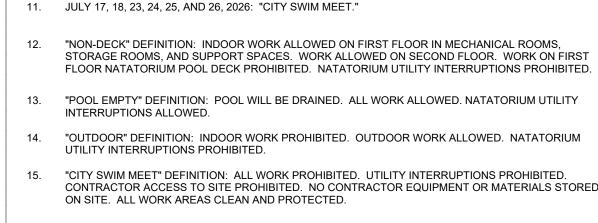
MORE THAN 48" ABOVE FINISHED FLOOR IN COMPLIANCE WITH LOCAL AND FEDERAL ADA

- WITH EXISTING ELECTRICAL CIRCUITS TO BE MODIFIED. CONTRACTOR SHALL UPDATE ELECTRICAL PANEL CIRCUIT DIRECTORIES.
- CONTRACTOR SHALL VERIFY SUITABILITY AND FUNCTION OF EXISTING SANITARY WASTE, VENT, AND STORM DRAIN PIPING PRIOR TO TIE-IN. CONTRACTOR SHALL REPORT DEFICIENCIES TO OWNER AND
- INDICATED TO BE ABANDONED. CONSTRUCT CAP WITH CROSS BREAKS FOR RIGIDITY. SEAL CAP AIR AND WATER TIGHT TO EXISTING ROOF CURB. INSULATE BELOW CAP WITH (2) LAYERS OF 2" THICK R-8
- COORDINATE WITH OWNER.

- REFER TO EXISTING FINISHES SCHEDULE THIS SHEET FOR EXACT MATCH TO EXISTING FINISHES
- HANGERS AND SUPPORTS SHALL BE STAINLESS STEEL OR EPOXY POWDER COATED CARBON STEEL.

# **GENERAL CUTTING AND PATCHING NOTES**

- PROVIDE PHYSICAL SAMPLES OF COLOR MATCHING GROUT FOR APPROVAL BY OWNER AT EACH 4. EXISTING PENETRATIONS OF GLAZED BLOCK AND BRICK WALLS 2" DIA. AND SMALLER SHALL BE PATCHED WITH STAINLESS STEEL COVER PLATES.
- AND PAINTED TO MATCH EXISTING. EXISTING PENETRATIONS OF CARPET FLOOR TILE AND VINYL FLOOR TILE SHALL BE PATCHED BY
- EXISTING PENETRATIONS OF ACOUSTICAL CEILING TILE SHALL BE PATCHED BY REMOVING AND





CERTIFICATION:,,, STATE OF ADDENDUM #1 ADDENDUM #2

DATE: 02.24.2025

**MECHANICAL INFORMATION** SHEET

SHEET:

