



Dickinson Museum Center Expansion

BP1: Addendum 3

3/9/2026

Owner

CITY OF DICKINSON ND
38 1ST ST W
DICKINSON, ND 58601

Architect

GT ARCHITECTURE LLC
401 W VILLARD ST, STE 206
DICKINSON, ND



TABLE OF CONTENTS

SECTION 00 01 10

DIVISION 00

ADD Templ
00 24 13

PROCUREMENT AND CONTRACTION REQUIREMENTS

ADDENDUM TEMPLATE

SCOPES OF WORK

02.41.00 Rev1 - SELECTIVE DEMOLITION Rev1

04.20.00 Rev1 - MASONRY Rev1

08.10.01 Rev1 - DOORS, FRAMES AND HARDWARE (SUPPLY) Rev1

08.10.02 Rev1 - DOORS, FRAMES AND HARDWARE (INSTALL) Rev1

09.20.00 Rev1 - DRYWALL, FRAMING AND SHEATHING Rev1

23.00.00 Rev1 - MECHANICAL (HVAC & PLUMBING) Rev1

26.00.00 Rev1 - ELECTRICAL Rev1

BID PACKAGE REVISIONS

1. SECTION 00 24 13 SCOPES OF WORK - The following Scope(s) of Work dated 2/25/2026 are being reissued and/or issued for bidding.

- A. 02.41.00 - SELECTIVE DEMOLITION
- B. 03.00.00 - BUILDING CONCRETE
- C. 04.20.00 - MASONRY
- D. 05.10.00 - STRUCTURAL AND MISCELLANEOUS STEEL (FURNISH)
- E. 05.10.01 - STRUCTURAL STEEL (INSTALL)
- F. 06.10.00 - ROUGH CARPENTRY & EXPANSION JOINTS
- G. 07.10.00 - WATERPROOFING
- H. 07.20.00 - SPRAY INSULATION
- I. 07.24.00 - EIFS
- J. 07.30.00 - ASPHALT ROOFING
- K. 07.50.00 - MEMBRANE ROOFING
- L. 08.10.01 - DOORS, FRAMES AND HARDWARE (SUPPLY)
- M. 08.10.02 - DOORS, FRAMES AND HARDWARE (INSTALL)
- N. 08.33.00 - OVERHEAD AND COILING DOORS
- O. 08.40.00 - ALUMINUM WINDOWS AND GLAZING
- P. 09.20.00 - DRYWALL, FRAMING AND SHEATHING
- Q. 09.30.00 - TILING
- R. 09.50.00 - ACOUSTICAL CEILINGS
- S. 09.65.00 - RESILIENT FLOORING AND CARPET
- T. 09.90.00 - PAINTING AND THERMAL COATINGS
- U. 10.00.00 - SPECIALTIES (SUPPLY)
- F. 12.30.00 - CASEWORK & MILLWORK
- W. 21.00.00 - FIRE PROTECTION
- X. 23.00.00 - MECHANICAL (HVAC & PLUMBING)
- Y. 26.00.00 - ELECTRICAL
- Z. 31.20.00 - EARTHWORK AND SITE DEMO
- AA. 31.23.00 - STRUCTURAL EXCAVATION
- AB. 32.12.00 - ASPHALT PAVING

AC. 32.17.00 - PAVEMENT MARKINGS

AD. 32.31.00 - FENCES AND GATES

AE. 32.90.00 - LANDSCAPING AND IRRIGATION

AF. 33.00.00 - SITE UTILITIES

SCOPE OF WORK 02.41.00 Rev1 - SELECTIVE DEMOLITION Rev1

SCOPE OF WORK

The Subcontractor shall execute the following portion of the Work described in the Subcontract Documents, including all labor, materials, services, superintendence, and other items required to complete such portion of the Work:

SELECTIVE DEMOLITION Rev1 - Including, but not limited to, Specification Section(s):

02 41 00	Demolition
DIV 00	Procurement and Contracting Requirements
DIV 01	General Requirements

This Work specifically includes, but is not limited to:

1. GENERAL

- 1.1. Determine materials to be salvaged, recycled, re-used, or re-installed.
- 1.2. Deliver salvaged material to the specified location.
- 1.3. Temporary partitions, including maintenance, relocation, and removal. Partitions shall be constructed of studs, drywall, insulation, and poly, and be tight and sealed to existing floor, ceiling, and walls so as to prevent dust from migrating outside of Work area. Paint drywall on side where exposed to public view. Temporary partitions to include doors to allow access through construction site as necessary.
- 1.4. Temporary protection, including maintenance and removal for building envelope systems that become exposed to weather.
- 1.5. Convey and remove debris from the Project site, including, but not limited to, carts, chutes, buggies, dumpsters, dump trucks, and forklifts.
- 1.6. Protect adjacent construction and structures.
- 1.7. Sound and dust control.
- 1.8. Multiple mobilizations as required to complete the Work.
- 1.9. Perform saw cutting to accomplish neat removals, protect adjacent surfaces and maintain water containment. All saw-cuts shall be completed by the "wet-cut" method.
- 1.10. All floor cutting indicated on sheets M801 & E400.
- 1.11. Temporary shoring and bracing necessary to support existing structure and exterior walls during the Work. Coordinate location of temporary shoring and bracing with the new construction. Prior to installation of shoring and bracing, provide Contractor with shoring and bracing plans with detailed notes indicating the intended sequence of the Work. These plans must be prepared and stamped by a professional engineer licensed in the state in which the Project is located. Remove temporary shoring and bracing once the permanent structure is in place.

- 1.12. At locations of transition from areas of the existing structure designated for demolition to areas of the existing structure designated to remain, prepare the existing structure to receive new construction materials (saw cut, grind, other means) in a manner that is straight, plumb, and flush, such that the new construction can be installed without further preparation of the surface by others.
 - 1.13. Obtain structural engineer's signed approval for any equipment that will be used on existing floors and roof. Observe maximum loads that may be imposed on floors and do not exceed these loads at any time. Lay down plywood to spread load over high traffic areas.
 - 1.14. Notify Contractor of any planned interruption of service to others, including but not limited to Owner, at least fourteen (14) days prior to such interruption, or as otherwise required by the Subcontract Documents.
 - 1.15. Comply with Contractor's policy for Floor Holes and Openings at all times. Openings in floors shall be fully decked and capable to withstand two times (2x) the intended load.
 - 1.16. Combustible fueled equipment shall not be used in interior and/or enclosed areas.
 - 1.17. Lifts, scaffolding, hoisting, and rigging.
 - 1.18. Provide add alternate pricing for Alternate No. 1 - To include all Work related to creating Family Restroom 127 that relates to this Scope of Work as indicated in the Contract Documents.
 - 1.19. Provide add alternate pricing for Alternate No. 2 - To include all Work related to remodeling restrooms Women's 110 and Men's 111 that relates to this Scope of Work as indicated in the Contract Documents.
2. SELECTIVE DEMOLITION
- 2.1. Demolition and off-site removal of all architectural finishes, including but not limited to, floor and wall finishes, interior partitions, doors & frames, moveable walls, overhead doors, ceilings, millwork, metal railings, and miscellaneous fixtures / furnishings, and all other demolition required for new build-back.
 - 2.2. Haul-off only of mechanical, electrical, and plumbing (MEP), and fire protection systems. Make-safe, disconnect, and drop-to-floor shall be provided by others.
 - 2.3. Remove finishes to building structure and/or building skin.
 - 2.4. Remove mastics, adhesives, grout, screws, clips, fasteners, and other materials (leveling compounds) as required to create a clean substrate acceptable for new finishes. If chemicals are utilized to remove floor and base adhesives, assure the chemicals are compatible with new flooring adhesives.
 - 2.5. Remove sand and all related accessories from existing paleo exhibit space and store on site as directed by Contractor.
 - 2.6. Salvage brick shown to be removed utilizing methods to attain a high percentage of reusable brick. Salvaged brick to be stored on site on pallets for reuse by others.
 - 2.7. Coordinate the Work to ensure that existing mechanical and electrical systems to

remain are not damaged during demolition activities.

3. SELECTIVE STRUCTURAL DEMOLITION

- 3.1. Structural demolition, including but not limited to, openings in existing concrete or masonry walls, floors, and / or the roof.
- 3.2. Lay out, saw-cut, and remove concrete slab for new underslab mechanical, plumbing, and electrical systems.
- 3.3. Demolish pockets for new structural lintels at openings.
- 3.4. Utilize ground-penetrating radar (GPR) at slab areas of concrete demolition to ensure there are not existing utilities within the slab.

The following work is excluded:

1. Demolition, disconnect, and make-safe of MEP and fire protection systems.
2. Removal of ballasts, capacitors, and transformers that contain Polychlorinated biphenyls (PCBs).
3. Removal of MEP equipment.
4. MEP equipment salvaging.
5. Trees, plants, and landscaping.

SCOPE OF WORK 04.20.00 Rev1 - MASONRY Rev1

SCOPE OF WORK

The Subcontractor shall execute the following portion of the Work described in the Subcontract Documents, including all labor, materials, services, superintendence, and other items required to complete such portion of the Work:

MASONRY Rev1 - Including, but not limited to, Specification Section(s):

04 05 11	Masonry Mortaring and Grouting
04 20 00	Unit Masonry
DIV 00	Procurement and Contracting Requirements
DIV 01	General Requirements

This Work specifically includes, but is not limited to:

1. GENERAL

- 1.1. Platforms, scaffolding, lifts, and small tools as required to complete the Work.
- 1.2. Hoisting and lifting required to complete the Work. Reference the Front End for personnel and material hoisting provided by Contractor, if any.
- 1.3. Traffic control, barricades, and flagmen both on-site and off-site for the movement of materials and equipment included in this Work. Reference Front End for any traffic control provided by others.
- 1.4. Coordinate unloading, delivery, lay-down area, and masonry batch area with Contractor. Relocation may be required for coordination with the overall construction as directed by Contractor.
- 1.5. Mixing area including a gravel pad under the mixer area. Provide an earth berm around the mixing area in accordance with storm water runoff requirements. Line basin under the mixing area with impervious liner to prevent groundwater contamination in accordance with EPA requirements.
- 1.6. Layout as required.
- 1.7. Clean roads surrounding Project site from debris resulting from this Work.
- 1.8. Clean masonry per the Subcontract Documents and manufacturer's recommendations.
- 1.9. Temporary protection at top of completed masonry walls, masonry cavities and/or stone cavities. Keep in place and remove when directed by Contractor.
- 1.10. Floor protection. Remove and clean mortar and mortar stains from exposed surfaces.

2. MASONRY

- 2.1. CMU and brick unit masonry.
- 2.2. Masonry accessories, clips, shims, fasteners, anchors, flashing, welding, and other items as required.

- 2.3. Install anchors, bolts, blockouts, sleeves, plates, and other items embedded in masonry. Embedded items furnished by others. Coordinate location of embedded items with others.
- 2.4. Reinforcing steel within masonry walls. Drill and epoxy dowels into substrate where indicated.
- 2.5. Grout hollow metal frames within masonry and concrete assemblies. Frames provided by others.
- 2.6. Masonry cavity insulation and cavity drainage material.
- 2.7. Masonry patching, salvage, toothing, and in-fills.
- 2.8. Patching, grouting and laying of masonry around wall penetrations.
- 2.9. Control and expansion joints within masonry assemblies. Strike clean caulk joints and expansion joints.
- 2.10. Install access doors within masonry walls. Doors furnished by others.
- 2.11. Install counter-flashing folds, reglets, and receivers. Material furnished by others.
- 2.12. Install loose steel lintels. Lintels furnished by others.
- 2.13. Install salvaged brick. Brick to be salvaged, palletized, and stored on site by others.

The following work is excluded:

1. Waterproofing and air/weather barriers.
2. Caulking.
3. Firesafing and firestopping.
4. Expansion joint covers.
5. Fixed relief angles.
6. Furnishing of access doors, loose lintels, and door frames.
7. Surface applied masonry sealers.

SCOPE OF WORK 08.10.01 Rev1 - DOORS, FRAMES AND HARDWARE (SUPPLY) Rev1

SCOPE OF WORK

The Supplier shall furnish the following material and equipment:

DOORS, FRAMES AND HARDWARE (SUPPLY) Rev1 - Including, but not limited to, material and equipment required by Specification Section(s):

08 11 13	Hollow Metal Doors and Frames
08 14 16	Flush Wood Doors
08 71 00	Door Hardware
09 93 00	Staining and Transparent Finishing
DIV 00	Procurement and Contracting Requirements
DIV 01	General Requirements

This Work specifically includes, but is not limited to:

1. GENERAL

- 1.1. Coordinate rough-in requirements for doors and frames with electrical and security trades.
- 1.2. Include raceways within doors for electrified openings.
- 1.3. Shop Drawings, Submittals, Samples, and hardware schedule within four (4) weeks of fully executed Agreement.
- 1.4. Installation templates for the Work of this Scope.
- 1.5. Multiple deliveries, as necessary, per Schedule.
- 1.6. Label doors, frames, and hardware with the associated opening number.
- 1.7. Host a meeting focused specifically on electrified hardware coordination with door, frame, and hardware installer, Project's hardware consultant, and interfacing trades.
- 1.8. Provide add alternate pricing for Alternate No. 1 - To include all Work related to creating Family Restroom 127 that relates to this Scope of Work as indicated in the Contract Documents.

2. DOORS, FRAMES AND HARDWARE

- 2.1. Hollow metal door frames.
- 2.2. Hollow metal doors.
- 2.3. Pre-finished Wood doors. Wood doors to be prefinished on both faces and edges.
- 2.4. Door hardware and accessories.
- 2.5. Electronic door hardware such as power supplies, power transfers, door contacts, door position switches, transformers, panic/exit devices, and mag hold opens at hollow

metal and wood doors.

- 2.6. Cores/cylinders at doors.
- 2.7. Factory applied concealed or recessed material and smoke/draft control gasketing for fire-rated doors.
- 2.8. Keys and keying as required by the Project Specifications.
- 2.9. Miscellaneous clips, fasteners, anchors, and accessories.
- 2.10. Fabricate doors and frames to accommodate flooring systems.
- 2.11. Minimum of three (3) anchors per jamb to attach door frames to adjoining construction.
- 2.12. Blocking and templates for hardware at hollow metal and wood doors.
- 2.13. Rust inhibiting primer.
- 2.14. Mastic coating at the inside of hollow metal frames to be grouted.
- 2.15. Machine and prepare doors and frames to receive the specified hardware. Provide labeling at fire-rated openings.
- 2.16. All materials, gasketing, and hardware required for a complete system at sound-controlled doors.

The following work is excluded:

1. Access panels and doors.
2. Overhead coiling doors.
3. Glass and glazing within doors and frames.
4. Expansion joint covers.

SCOPE OF WORK 08.10.02 Rev1 - DOORS, FRAMES AND HARDWARE (INSTALL) Rev1

SCOPE OF WORK

The Subcontractor shall execute the following portion of the Work described in the Subcontract Documents, including all labor, materials, services, superintendence, and other items required to complete such portion of the Work:

DOORS, FRAMES AND HARDWARE (INSTALL) Rev1 - Including, but not limited to, Specification Section(s):

06 20 00	Finish Carpentry
07 92 00	Joint Sealants
08 11 13	Hollow Metal Doors and Frames
08 14 16	Flush Wood Doors
08 71 00	Door Hardware
DIV 00	Procurement and Contracting Requirements
DIV 01	General Requirements

This Work specifically includes, but is not limited to:

1. GENERAL

- 1.1. Coordinate rough-in requirements for doors and frames with electrical and security trades.
- 1.2. Miscellaneous clips, shims, fasteners, anchors, accessories, expansion anchors, and adhesives required to complete the Scope of Work.
- 1.3. Utilize metal shims at fire-rated openings.
- 1.4. Receive, unload, and distribute materials. Include inventory, quantity verification, and damage inspection.
- 1.5. Multiple deliveries, as necessary, per Schedule.
- 1.6. Stockpile doors and frames in a secure manner.
- 1.7. Attend a meeting focused specifically on electrified hardware coordination with door, frame and hardware supplier, Project's hardware consultant, and interfacing trades.
- 1.8. Provide add alternate pricing for Alternate No. 1 - To include all Work related to creating Family Restroom 127 that relates to this Scope of Work as indicated in the Contract Documents.

2. DOOR, FRAMES AND HARDWARE

- 2.1. Install hollow metal doors.
- 2.2. Install wood doors.
- 2.3. Install door hardware and accessories.

- 2.4. Install electronic door hardware such as power supplies, power transfers, door contacts, door position switches, transformers, panic/exit devices, mag hold opens, at hollow metal and wood doors.
- 2.5. Install low-voltage wiring from electrified hardware to power transfer. Low-voltage wiring from the power transfer to the power supply by others.
- 2.6. Install cores/cylinders at doors. This includes, but is not limited to, wood doors, and hollow metal doors.
- 2.7. Install concealed or recessed material and smoke/draft control gasketing.
- 2.8. Foam block-outs for hardware in grouted hollow metal frames.
- 2.9. Adjust doors and hardware to ensure smooth operation while maintaining clearances.
- 2.10. Install all materials, gasketing, and hardware required for a complete system at sound-controlled doors.

The following work is excluded:

1. Install access panels and doors.
2. Install overhead coiling doors.
3. Install aluminum or all-glass doors.
4. Install glass and glazing within doors and frames.
5. Install card readers and door position switches.

SCOPE OF WORK 09.20.00 Rev1 - DRYWALL, FRAMING AND SHEATHING Rev1

SCOPE OF WORK

The Subcontractor shall execute the following portion of the Work described in the Subcontract Documents, including all labor, materials, services, superintendence, and other items required to complete such portion of the Work:

DRYWALL, FRAMING AND SHEATHING Rev1 - Including, but not limited to, Specification Section(s):

05 40 00	Cold-Formed Metal Framing
05 44 00	Cold-Formed Metal Trusses
07 21 00	Thermal Insulation
07 26 00	Vapor Retarders
07 27 00	Air Barriers
07 84 00	Firestopping
07 92 00	Joint Sealants
09 21 16	Gypsum Board Assemblies
09 22 16	Non-Structural Metal Framing
DIV 00	Procurement and Contracting Requirements
DIV 01	General Requirements

This Work specifically includes, but is not limited to:

1. GENERAL

- 1.1. Delegated design by an engineer licensed in the state where the Project is located for structural cold formed metal framing systems. Submit stamped and sealed drawings for approval.
- 1.2. Upon completion of taping work, remove excess taping compound. Sweep floors clean with dust-collecting compound.
- 1.3. Clean floor tracks of debris prior to installing gypsum board.
- 1.4. Coordinate layout of openings through partitions as wall framing progresses, including opening size, elevation, and horizontal dimensioning based on column or wall centerlines.
- 1.5. Coordinate top-out of partitions at priority walls (as determined by Contractor) with others.
- 1.6. Provide add alternate pricing for Alternate No. 1 - To include all Work related to creating Family Restroom 127 that relates to this Scope of Work as indicated in the Contract Documents.
- 1.7. Provide add alternate pricing for Alternate No. 2 - To include all Work related to remodeling restrooms Women's 110 and Men's 111 that relates to this Scope of Work as indicated in the Contract Documents.

2. FRAMING, SHEATHING AND DRYWALL

- 2.1. Structural cold formed metal framing, light gauge metal trusses, exterior sheathing, and miscellaneous clips, shims, fasteners, anchors, and accessories required for a complete installation. Includes areas such as exterior walls, soffits, ceilings, parapets, exterior columns, and other locations indicated.
- 2.2. Temporary bracing during installation.
- 2.3. Thermal insulation, including batt, sound, and rigid insulation (except as noted otherwise).
- 2.4. Air Barrier
- 2.5. Acoustical sealant and gaskets in drywall assemblies, including penetrations.
- 2.6. Firestopping in drywall assemblies, including penetrations.
- 2.7. Gypsum wallboard assemblies, including, but not limited to, light gauge metal framing, furring channels, light gauge trusses, bracing, slip track, fire track, compressible gaskets, concealed sealants, insulation, gypsum board, expansion joints, control joints, reveals, and taping and sanding.
- 2.8. Install all hollow metal door and window frames. Frames furnished by others.
- 2.9. Install access doors. Doors furnished by others. Coordinate quantities with others.
- 2.10. Welding or mechanical fastening of light gauge metal framing.
- 2.11. Non-corrosive fasteners for attachment to treated lumber.
- 2.12. Fiberglass-faced gypsum board or moisture-resistant board when installation is required prior to the building being watertight. This includes areas such as top rock, and interior face of exterior walls.
- 2.13. Tile backer board (cement board) and joint sealant at restrooms.
- 2.14. Wall and ceiling control and expansion joints and covers in drywall. Coordinate with others.
- 2.15. Isolation where framing meets structural components.
- 2.16. Hold drywall one quarter to one half inch ($\frac{1}{4}$ " – $\frac{1}{2}$ ") off floor to prevent water from wicking.

3. TAPE AND BED

- 3.1. Tape, bed, sand, and finish gypsum board systems, including at recessed light fixtures. Sanding of drywall to be performed mechanically with dust collecting equipment.
- 3.2. Tape and float behind tile, including glass mat and fibermesh tape.
- 3.3. Tape and float walls to deck, including above ceilings.
- 3.4. Tape and float drywall in mechanical and electrical spaces in levels indicated.
- 3.5. Firetape at rated walls.

3.6. Sand walls and trim between paint coats.

4. DEMOLITION/REMEDIATION

4.1. Patch drywall partitions, soffits, and ceilings to receive new finishes at areas of demolition.

4.2. Skim coat walls where wallcovering has been removed.

4.3. Repair walls where sheetrock was removed by others during demolition/remediation. Work includes installation of new drywall, removal of existing drywall fasteners, replacement of damaged framing, taping and finishing. Walls shall be left paint ready. Match the drywall finish of the existing walls.

4.4. Replace insulation located in the walls and ceilings that was removed by others during demolition/remediation.

The following work is excluded:

1. Thermal insulation defined in other scopes of work.
2. Joint sealants defined in other scopes of work.
3. Expansion joints and covers defined in other scopes of work.
4. Weather barrier systems defined in other scopes of work.
5. Temporary heat and enclosures for this Work.
6. Installation of doors and hardware.
7. Taping of exterior sheathing joints.

SCOPE OF WORK 23.00.00 Rev1 - MECHANICAL (HVAC & PLUMBING) Rev1

SCOPE OF WORK

The Subcontractor shall execute the following portion of the Work described in the Subcontract Documents, including all labor, materials, services, superintendence, and other items required to complete such portion of the Work:

MECHANICAL (HVAC & PLUMBING) Rev1 - Including, but not limited to, Specification Section(s):

22 05 00	Plumbing General Provisions
22 05 10	Common Work Results for Plumbing
22 05 20	General Motor Requirements
22 07 00	Plumbing Insulation
22 11 00	Plumbing Piping
22 12 00	Plumbing Specialties
22 13 00	Sanitary Waste Specialties
22 14 00	Storm Drainage Specialties
22 30 00	Plumbing Equipment
22 40 00	Plumbing Fixtures
23 05 00	HVAC General Provisions
23 05 10	Common Work Results for HVAC
23 05 20	General Motor Requirements
23 05 90	Testing Adjusting and Balancing
23 07 00	HVAC Insulation
23 20 00	HVAC Piping
23 30 00	Air Distribution
23 34 00	Fans and Fan Systems
23 37 00	Air Outlets and Inlets
23 54 00	Furnaces
23 55 00	Fuel-Fired Heaters
23 60 00	Central Cooling Equipment
23 70 00	Central HVAC Equipment
DIV 00	Procurement and Contracting Requirements
DIV 01	General Requirements

This Work specifically includes, but is not limited to:

1. **GENERAL**

- 1.1. Furnish access doors as required for this Scope of Work. Installation by others.
- 1.2. Layout for equipment pads and penetrations as required.
- 1.3. Supervision at concrete pours involving penetrations and sleeves associated with this

Scope of Work.

- 1.4. Sealing, flashing, and escutcheons for roof, wall, and floor penetrations as required for this Scope of Work.
- 1.5. Provide add alternate pricing for Alternate No. 1 - To include all Work related to creating Family Restroom 127 that relates to this Scope of Work as indicated in the Contract Documents.
- 1.6. Provide add alternate pricing for Alternate No. 2 - To include all Work related to remodeling restrooms Women's 110 and Men's 111 that relates to this Scope of Work as indicated in the Contract Documents.

2. SITWORK AND UNDERGROUND

- 2.1. Unclassified excavating, trenching, shoring, bracing, dewatering, backfilling to grade, compacting, and patching.
- 2.2. Onsite disposal of spoils. Location to be determined by the Contractor.
- 2.3. Traffic control devices, flagmen, and anchored steel plates at roadways.
- 2.4. Locates of existing utilities on the site prior to the excavation portion of the work.
- 2.5. Hand dig in critical utility areas.
- 2.6. Sump and pump for foundation drainage system.
- 2.7. Locates of existing utilities on the site prior to the excavation portion of the Work.

3. DEMOLITION

- 3.1. Make safe plumbing systems prior to demolition.
- 3.2. Drain water from piping systems.
- 3.3. Complete demolition and removal of plumbing systems.
- 3.4. Make safe HVAC systems prior to demolition.
- 3.5. Complete demolition and removal of HVAC systems.

4. GENERAL PLUMBING PIPING

- 4.1. Final tie-in of domestic, sanitary, and storm piping at point of termination five (5) feet outside the building footprint.
- 4.2. Storm drain system including piping, hangers, fittings, and drain leveling provisions.
- 4.3. Natural gas fuel piping system, including piping, hangers, valves, fittings, system regulators, and relief piping.
- 4.4. Compressed air piping system, including piping, hangers, valves, fittings, system regulators, and relief piping.
- 4.5. Condensate drainage system.
- 4.6. Plugs, caps, tees, and valves for tie-ins to existing systems.

4.7. Thrust blocks, concrete, anchors, and guides for underground piping.

4.8. Heat trace system and controllers for plumbing piping and equipment.

5. GENERAL PLUMBING EQUIPMENT AND FIXTURES

5.1. Install water meter furnished by others.

5.2. Caulking for plumbing fixtures.

5.3. Escutcheons sealed to the wall and around piping, including under-counter piping.

6. START-UP AND TESTING

6.1. Chemicals and temporary material and equipment for flushing and passivation of piping systems. Flushing through equipment coils is not allowed.

6.2. Temporary material and equipment for pressure testing of piping systems. Pressure testing through equipment coils is not allowed.

6.3. Start-up screens for pumps during construction. Replace with final strainer prior to TAB and commissioning.

6.4. Vacuum and wipe clean HVAC equipment interiors prior to startup and again following commissioning.

6.5. Temporary material and equipment required for leakage testing of ductwork systems.

6.6. Quality control documentation for mechanical systems including factory testing and factory certified start-up.

7. COMMISSIONING

7.1. Commissioning assistance.

7.2. Qualified personnel, including manufacturer technicians, to attend all commissioning meetings.

7.3. Qualified personnel, including manufacturer technicians, and equipment to complete pre-functional and functional testing and trending as directed by the commissioning agent.

8. SHEETMETAL

8.1. Mechanical louvers including flashing and caulking.

8.2. Equipment curbs, including leveling provisions, for roof-mounted equipment.

8.3. Fire, fire-smoke, smoke dampers, and associated actuators.

8.4. Install duct smoke and heat detectors furnished by others.

9. MECHANICAL PIPING

9.1. Piping systems shall not be installed above electrical equipment. If alternative routing is not feasible, provide panning and drain piping for systems routed above electrical equipment.

10. GENERAL MECHANICAL EQUIPMENT

10.1. Chemical feed systems including piping, valves, chemicals, tanks, metering pumps, calibration columns, and controllers. System shall be filled with chemicals at Substantial Completion.

10.2. Dust collection system including, but not limited to, ductwork, articulating arms, air scrubber, and all hangers and fasteners for a complete system.

11. CONTROLS AND MONITORING

11.1. Raceway, instrumentation, wiring and terminations for control and monitoring systems.

11.2. Programming of variable frequency drives (VFDs) and equipment controllers including communication and operation settings.

11.3. Factory mounted controllers, instrumentation, and programming as required to meet the design sequence of operations for all packaged HVAC systems.

11.4. Network cards and gateways to integrate packaged systems with control and monitoring system.

11.5. Software, hardware, and labor as required for successful completion of test, adjust, and balance (TAB) scope.

11.6. Interlock and control wiring and raceways as required by packaged equipment manufacturer to operate equipment independent of the building controls scope of work.

11.7. Smoke purge controls system.

12. TESTING, ADJUSTING, AND BALANCING (TAB)

12.1. Independent testing, adjusting, and balancing.

12.2. Pressure and temperature ports in locations required to facilitate successful TAB.

12.3. Assist TAB provider during operation and testing of equipment.

12.4. Operation of fire-smoke and smoke dampers, in accordance with manufacturer's recommendations, to allow for startup, temporary conditioning, and TAB. Reset fire-smoke and smoke dampers as soon as fire alarm system can control dampers.

12.5. Seal of insulation and jacketing that has been affected during the TAB process.

12.6. Flush coils and strainers as required for successful TAB completion.

12.7. Weekly updates to TAB deficiency list.

The following work is excluded:

1. Concrete housekeeping pads.
2. Grouting.
3. Firestopping.
4. Painting unless specifically included above.

5. Structural steel supports unless specifically included above.
6. Concrete cutting and patching.

SCOPE OF WORK 26.00.00 Rev1 - ELECTRICAL Rev1

SCOPE OF WORK

The Subcontractor shall execute the following portion of the Work described in the Subcontract Documents, including all labor, materials, services, superintendence, and other items required to complete such portion of the Work:

ELECTRICAL Rev1 - Including, but not limited to, Specification Section(s):

26 05 00	Common Work Results for Electrical
26 05 05	Temporary Facilities & Controls
26 05 10	Remodeling Work
26 05 19	Conductors
26 05 26	Grounding & Bonding for Electrical Systems
26 05 33	Raceways
26 05 34	Outlet, Pull & Junction Boxes
26 05 40	Floor Boxes
26 05 53	Identification
26 05 83	Connections to Equipment
26 09 23	Lighting Control System
26 24 16	Panelboards
26 27 13	Electric Service
26 27 26	Wiring Devices & Device Plates
26 28 13	Fuses
26 28 16	Enclosed Switches & Circuit Breakers
26 29 13	Motor Starters
26 32 13	Generator Set
26 36 00	Transfer Switches
26 43 13	Surge Protection Devices
26 51 00	Luminaires
26 65 10	Overhead Door Wiring
26 65 30	Electric Heating Equipment
27 05 00	Division 27 General Provisions
27 05 28	Network Systems Rough-In
27 15 13	Network Systems Cabling
27 15 23	Fiber Optic Cabling
28 05 00	Division 28 General Provisions
28 46 11	Fire Alarm & Detection
DIV 00	Procurement and Contracting Requirements
DIV 01	General Requirements

This Work specifically includes, but is not limited to:

1. GENERAL

- 1.1. Furnish access doors as required. Installation by others.
- 1.2. Core drilling including layout, structural x-rays, and temporary protection as required. Obtain Contractor's written approval before any core drilling.
- 1.3. Layout for equipment pads and penetrations as required.
- 1.4. Saw-cutting and patching as required.
- 1.5. Supervision at concrete pours involving penetrations and sleeves associated with this Scope of Work.
- 1.6. Sealing, flashing, and escutcheons for roof, wall, and floor penetrations as required.
- 1.7. Temporary power and lighting per Front End.
- 1.8. Develop and manage a site specific Lock-out Tag-out (LOTO) Plan.
- 1.9. Clean interior and exterior of equipment furnished and/or installed as part of this Scope of Work prior to first energization and again prior to Substantial Completion.
- 1.10. Provide add alternate pricing for Alternate No. 1 - To include all Work related to creating Family Restroom 127 that relates to this Scope of Work as indicated in the Contract Documents.
- 1.11. Provide add alternate pricing for Alternate No. 2 - To include all Work related to remodeling restrooms Women's 110 and Men's 111 that relates to this Scope of Work as indicated in the Contract Documents.

2. SITWORK AND UNDERGROUND

- 2.1. Unclassified excavating, trenching, shoring, bracing, dewatering, backfilling to grade, compacting, and patching.
- 2.2. Onsite disposal of spoils. Location to be determined by the Contractor.
- 2.3. Engineered trenching shoring system for excavation where sloping is not feasible.
- 2.4. Traffic control devices, flagmen, and anchored steel plates at roadways.
- 2.5. Locates of existing utilities on the site prior to the start of construction.
- 2.6. Hand dig in critical utility areas.
- 2.7. Electrical manholes and waterproofing.
- 2.8. Telecom manholes and waterproofing.

3. DEMOLITION

- 3.1. Make safe electrical systems prior to demolition.
- 3.2. Demolish and remove electrical systems.
- 3.3. Salvage existing electrical wiring, devices, and equipment to recycling dumpster provided by others.

- 3.4. Relocate existing electrical equipment.
- 3.5. Temporary support / hanging / removal and replacement of existing light fixtures and other electrical devices called to remain within a ceiling to be removed and replaced.

4. ELECTRICAL

- 4.1. Lighting supports as required.
- 4.2. Disconnects, starters, and variable frequency drives (VFDs) that are not identified as provided by others.
- 4.3. Termination of power circuits for building control panels and devices onto switchboards or panelboards provided within this Scope of Work. Conduit, wire, and terminations at the control panel and devices for these circuits provided by others.
- 4.4. Power to auto door operators with final connection to be made by others. Wall bases, conduit, and wiring (including any low voltage) for actuators is provided by others. Final wiring connections to actuator and operator provided by others.
- 4.5. Diesel fuel required for testing of the emergency generator. Completely fill the fuel day tank and remote storage tank with diesel fuel upon initial installation, again at the completion of final testing, and prior to Substantial Completion.
- 4.6. Field adjustment of breaker and relay settings. Breaker setting values furnished by others.

5. FIRE ALARM

- 5.1. Temporary wire for heat/smoke detection for temporary use of HVAC equipment. Temporary HVAC equipment detection device by others.
- 5.2. Fire alarm equipment and devices.
- 5.3. Raceways and supports for fire alarm system.
- 5.4. Raceway, wiring, and terminations of power circuits for all fire protection devices and controllers, including pre-action air compressors, nitrogen generators, and solenoid valves.
- 5.5. Control of fire/smoke and smoke dampers. Fire/smoke and smoke dampers furnished by others.
- 5.6. Furnish duct detectors to be installed by others.
- 5.7. Install fire-rated door hold-open release devices, contacts and wiring. Door hold opens furnished by others.

6. SECURITY

- 6.1. Install power supplies and door position switches, furnished by others.
- 6.2. Wiring and terminations at door hardware.
- 6.3. Raceways through door frame and door.

7. COMMISSIONING

- 7.1. Commissioning assistance.
- 7.2. Qualified personnel, including manufacturer technicians, to attend all commissioning meetings.
- 7.3. Qualified personnel, including manufacturer technicians, and equipment to complete pre-functional and functional testing and trending as directed by the commissioning agent.
- 7.4. Temporary load banks including temporary control power and labor for monitoring and operating temporary load banks during testing.
- 7.5. Fire watch during all load banking activities.
- 7.6. Flagging, signage, and barriers during all load banking and electrical testing activities.
- 7.7. After-hours work to relocate and connect load banks in preparation for the following days testing.

The following work is excluded:

1. Concrete housekeeping pads.
2. Grouting.
3. Firestopping.
4. Painting unless specifically included above.
5. Structural steel supports unless specifically included above.
6. Temperature control wiring.
7. Concrete cutting and patching.