



## Dickinson Museum Center Expansion

BP1

2/25/2026

### Owner

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

### Architect

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

### Contractor

J.E. DUNN CONSTRUCTION COMPANY  
766 ELKS DRIVE  
DICKINSON, ND 58601



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## **PART 1 - GENERAL**

### **1.1 PROJECT INFORMATION**

- A. NOTICE TO BIDDERS: Contractor has issued Bid Documents for the Project described below and requests your bid proposal on the Scopes of Work identified in this Front End.
- B. PROJECT: Dickinson Museum Center Expansion (Project No. 26005300)
- C. PROJECT LOCATION: 188 Museum Dr. East  
Dickinson, ND 58601
- D. OWNER: CITY OF DICKINSON ND, 38 1ST ST W  
DICKINSON, ND 58601
- E. ARCHITECT: GT ARCHITECTURE LLC, 401 W VILLARD ST, STE 206  
DICKINSON, ND 58601
- F. CONTRACTOR: J.E. Dunn Construction Company, 766 Elks Drive  
Dickinson, ND 58601
- G. PROJECT DESCRIPTION: This project consists of a 12,000SF addition to the existing Dickinson Museum Center including additional exhibit space, paleo storage, paleo lab, office space, restrooms, common spaces, mechanical rooms, and storage spaces. There will also be renovations to the existing museum's paleo exhibit space and restrooms along with exterior site improvements.
- H. BID PACKAGE: No. 1
- I. DOCUMENT PACKAGE:
  - 1. GT ARCHITECTURE LLC Project Manual dated February 2026
  - 2. GT ARCHITECTURE LLC Drawings dated February 6, 2026
- J. SCOPES OF WORK: The following Scopes of Work dated 2/25/2026 are included in this Bid Package:
  - 1. 02.41.00 - SELECTIVE DEMOLITION
  - 2. 03.00.00 - BUILDING CONCRETE
  - 3. 04.20.00 - MASONRY
  - 4. 05.10.00 - STRUCTURAL AND MISCELLANEOUS STEEL (FURNISH)
  - 5. 05.10.01 - STRUCTURAL STEEL (INSTALL)
  - 6. 06.10.00 - ROUGH CARPENTRY & EXPANSION JOINTS
  - 7. 07.10.00 - WATERPROOFING
  - 8. 07.20.00 - SPRAY INSULATION
  - 9. 07.24.00 - EIFS
  - 10. 07.30.00 - ASPHALT ROOFING
  - 11. 07.50.00 - MEMBRANE ROOFING
  - 12. 08.10.01 - DOORS, FRAMES AND HARDWARE (SUPPLY)

13. 08.10.02 - DOORS, FRAMES AND HARDWARE (INSTALL)
14. 08.33.00 - OVERHEAD AND COILING DOORS
15. 08.40.00 - ALUMINUM WINDOWS AND GLAZING
16. 09.20.00 - DRYWALL, FRAMING AND SHEATHING
17. 09.30.00 - TILING
18. 09.50.00 - ACOUSTICAL CEILINGS
19. 09.65.00 - RESILIENT FLOORING AND CARPET
20. 09.90.00 - PAINTING AND THERMAL COATINGS
21. 10.00.00 - SPECIALTIES (SUPPLY)
22. 12.30.00 - CASEWORK & MILLWORK
23. 21.00.00 - FIRE PROTECTION
24. 23.00.00 - MECHANICAL (HVAC & PLUMBING)
25. 26.00.00 - ELECTRICAL
26. 31.20.00 - EARTHWORK AND SITE DEMO
27. 31.23.00 - STRUCTURAL EXCAVATION
28. 32.12.00 - ASPHALT PAVING
29. 32.17.00 - PAVEMENT MARKINGS
30. 32.31.00 - FENCES AND GATES
31. 32.90.00 - LANDSCAPING AND IRRIGATION
32. 33.00.00 - SITE UTILITIES

## 1.2 BID INFORMATION

- A. **PRE-BID CONFERENCE:** Contractor will hold a Pre-bid Conference to answer any questions from prospective Bidders regarding the Scope(s) of Work on the Project. Attendance is strongly recommended. No other Pre-bid Conference will be held. **A site walk will follow the Pre-Bid Conference.**
1. Date: February 23, 2026
  2. Time: 1:00pm, local time.
  3. Location: 188 Museum Dr. East  
Dickinson, ND 58601
- B. **BID FORMS:** Submit bid(s) on the appropriate Bid Proposal Form(s) furnished in Section 00 41 00.10.
1. For Individual Scopes, submit 00 41 00.10.
  2. For combination bids, submit 00 41 00.10 (for each Scope) and 00 41 00.20 for the combination.
  3. Note: Reference those indicated Bid Forms for applicable attachments.
- C. **BID BONDS:** Bid Bonds are not required on this Project.

- D. **BID DATE:** Bids will be received by the Contractor until the bid time and date at the location indicated below.
1. Date: March 5, 2026
  2. Time: 2:00pm, local time.
  3. Location: Dickinson City Hall, 38 1st St W, Dickinson, ND 58601
  4. Note: Bids can be hand delivered or submitted by e-mail at [matt.lange@jedunn.com](mailto:matt.lange@jedunn.com)
- E. **BID DOCUMENTS:**
1. Bidding Documents may be viewed and/or obtained electronically via Autodesk Construction Cloud (ACC) Building Connected.
  2. Contact Matt Lange at [matt.lange@jedunn.com](mailto:matt.lange@jedunn.com) to receive an electronic invite.
  3. Bidding Documents may also be viewed at regional builder exchanges/plan rooms.
- F. **LENGTH OF VALIDITY OF BIDS:** All Bids shall be valid for acceptance by the Contractor for a period of Forty-Five (45) calendar days] after submission of the Bid(s).

### **1.3 INTERPRETATION AND ADDENDA**

- A. Requests for interpretations, clarifications, corrections, or changes of the Bidding Documents must be made in writing at least seven (7) calendar days before the date for receipt of Bids. No Addenda will be issued later than two (2) business days before the date for receipt of Bids except for the limited situations set forth in the Instructions to Bidders.

### **1.4 SUBSTITUTIONS**

- A. Substitutions are allowed on this Project as indicated in the Instructions to Bidders and pursuant to Division 01.

### **1.5 INSURANCE REQUIREMENTS**

- A. Insurance requirements are included in the Subcontract, M&E Contract, and/or Controlled Insurance Manual included herein.
- B. Subcontractors will not be allowed on site until they have fully complied with the insurance requirements.

### **1.6 PROJECT HIGHLIGHTS**

- A. **PREVAILING WAGES:** Prevailing wages are not required on this Project.
- B. **SMALL BUSINESS DBE/MBE/WBE GOALS:** Goals are not required on this Project.
- C. **TAXES/EXEMPTIONS:** This Project is not exempt from state sales and use tax.

## **PART 2 - PRODUCTS (Not Used)**

## **PART 3 - EXECUTION (Not Used)**

## SCOPE OF WORK 02.41.00 - SELECTIVE DEMOLITION

### 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** - Including, but not limited to, Specification Section(s):

|                 |   |
|-----------------|---|
| <b>02 41 00</b> | <b>Demolition</b>                               |
| <b>DIV 00</b>   | <b>Procurement and Contracting Requirements</b> |
| <b>DIV 01</b>   | <b>General Requirements</b>                     |

**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. 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.
- 1.11. 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.

- 1.12. 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.
- 1.13. 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.
- 1.14. 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.
- 1.15. Combustible fueled equipment shall not be used in interior and/or enclosed areas.
- 1.16. Lifts, scaffolding, hoisting, and rigging.
- 1.17. 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.
- 1.18. 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. 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 03.00.00 - BUILDING CONCRETE**

### **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:

**BUILDING CONCRETE** - Including, but not limited to, Specification Section(s):

|                 |   |
|-----------------|---|
| <b>03 30 00</b> | <b>Cast-in-Place Concrete</b>                   |
| <b>03 35 11</b> | <b>Concrete Floor Finishes</b>                  |
| <b>32 13 13</b> | <b>Concrete Paving</b>                          |
| <b>DIV 00</b>   | <b>Procurement and Contracting Requirements</b> |
| <b>DIV 01</b>   | <b>General Requirements</b>                     |

**This Work specifically includes, but is not limited to:**

#### 1. GENERAL

- 1.1. Protect adjacent finishes prior to placing concrete. Remove protection after placement of concrete and clean adjacent finishes of splatter or slurry.
- 1.2. Clean roads surrounding Project site from debris resulting from this Work, as directed by Contractor.
- 1.3. Protect rebar immediately after placement.
- 1.4. Snow, ice, and water removal while performing the Work of this Scope.
- 1.5. Hoisting and lifting required to complete the Work. Reference Front End for personnel and material hoisting provided by Contractor, if any.
- 1.6. Layout as required. Reference Front End for layout by others.
- 1.7. Remove concrete spoils and washouts weekly.
- 1.8. Cover holes in concrete decks and/or slabs.
- 1.9. Temporary fall protection and safety railings on horizontal formwork at perimeter of structure and interior openings. After formwork is removed, provide, maintain, and remove temporary railings at perimeter of structure and interior openings. Safety railings to be compliant with OSHA requirements and include toe boards and debris netting.
- 1.10. Secure material daily to ensure material does not blow off structure or around Project site.
- 1.11. Traffic control including lane closures, lane closure permits, flagmen, barricades, signage, and locating pump in public right of way. Reference Front End for any traffic control provided by others.
- 1.12. Field cure box for Owner's Testing Agent for curing of concrete cylinders. Assist

testing agency in moving cylinders.

- 1.13. Reinforcing steel in concrete Work including welding of reinforcing when required.
- 1.14. Reveals, drips, form liners, rustification, chamfered corners, and architectural elements and details.
- 1.15. Layout markings that will not permanently mark concrete finishes.
- 1.16. Ensure rebar, embeds, anchor bolts, post tension cables, inserts, and splice sleeves are not displaced during concrete pours.
- 1.17. Concrete pumping and placement as required.
- 1.18. Install anchors, bolts, blockouts, sleeves, weeps, plates, and other items embedded in concrete. Embedded items furnished by others. Coordinate location of embedded items with others. After placement of concrete, provide detailed drawing confirming the accuracy of installation for elevation and location within twenty-four (24) hours.
- 1.19. Prepare substrate as required by Subcontract Documents and manufacturer guidelines.
- 1.20. Accept substrate prior to the start of the Work.
- 1.21. On site review of concrete placements to determine compliance with requirements.
- 1.22. Temporary protection of finished surface upon completion of curing operations.
- 1.23. Coordinate with curing operations.
- 1.24. Protection of adjacent finishes and/or surfaces.
- 1.25. Number of coats as specified or required by manufacturer, whichever is greater.
- 1.26. Coordinate temporary power requirements with others, including but not limited to electrical trade(s).
- 1.27. 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.
- 1.28. 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.
- 1.29. Provide add alternate pricing for Alternate No. 3 – Provide concrete paving in lieu of asphalt paving as indicated in the Contract Documents.

## 2. BUILDING CONCRETE

- 2.1. Horizontal and vertical concrete Work including concrete materials, formwork, placement and finish, expansion joints, bond breakers, control joints, keyways, waterstops, and miscellaneous accessories required to complete the Work.
- 2.2. Shop Drawings showing suggested saw cut, tool locations, construction joints, and bulkheads for walls and slab-on-grade.

- 2.3. Submit detailed concrete pour schedule.
  - 2.4. Concrete infill at steel column isolation locations.
  - 2.5. Non-shrink grout at steel base plates.
  - 2.6. Fine grading and hand excavation at thickened slabs.
  - 2.7. Utilize Moisture Mitigating Admixture in concrete slabs to receive finished flooring.
  - 2.8. Extra concrete caused by over excavation or due to deck deflection.
  - 2.9. Insulation at foundation walls, footings, and under slabs.
  - 2.10. Pipe bollard installation including layout, block-out for installation, and concrete infill in bollard.
  - 2.11. Shoring and reshoring as necessary for slab on metal deck.
  - 2.12. Coordination and installation of any brick anchorage systems and brick ledges.
  - 2.13. Rebar splices or form savers either called for or needed for constructability purposes.
  - 2.14. Void forms as required. Temporary protection of void forms from weather.
  - 2.15. Coordinate subdrainage installation (by others) during foundations with installing trade.
  - 2.16. Temporary generators for this Work as required until temporary power is available.
3. SITE CONCRETE
- 3.1. Site concrete Work including concrete materials, formwork, placement and finish, conveyance of concrete, reinforcing steel, control joints, expansion joints, dowels, and miscellaneous accessories required to complete the Work.
  - 3.2. Concrete sidewalks, pads, pavement, and driveway entrances.
  - 3.3. Concrete curb and gutter.
  - 3.4. Detectable warning pavers.
  - 3.5. Install steel bollards furnished by others.
  - 3.6. Exterior mechanical and electrical equipment pads including but not limited to, transformer pad, generator pad, other site equipment pads, or other Project-specific site concrete.
4. CONCRETE POLISHING
- 4.1. Polish concrete as indicated.
  - 4.2. Sealers as specified.
  - 4.3. Prepare substrate as required by Subcontract Documents and manufacturer guidelines.
  - 4.4. Number of coats as specified or required by manufacturer, whichever is greater.

**The following work is excluded:**

1. Furnishing embeds.
2. Asphalt.
3. Trench Drains.
4. Permanent handrails.
5. Joint sealants.
6. Subdrainage.
7. Granular base below concrete.
8. Structural excavation.
9. Winter conditions.
10. Pavement markings.

**Unit Prices:**

1. Polish: \$\_\_\_\_\_ per square foot (SF)
2. Housekeeping & Equipment Pads (4"): \$\_\_\_\_\_ per square foot (SF)

## **SCOPE OF WORK 04.20.00 - MASONRY**

### **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** - Including, but not limited to, Specification Section(s):

|                 |   |
|-----------------|---|
| <b>04 05 11</b> | <b>Masonry Mortaring and Grouting</b>           |
| <b>04 20 00</b> | <b>Unit Masonry</b>                             |
| <b>DIV 00</b>   | <b>Procurement and Contracting Requirements</b> |
| <b>DIV 01</b>   | <b>General Requirements</b>                     |

**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. Temporary bracing of masonry walls (over eight feet (8') tall) designed by an engineer licensed in the state where the Project is located. The bracing plan should be designed incorporating Project-specific conditions for walls in progress and until final structural connections are made.
- 2.4. Install anchors, bolts, blockouts, sleeves, plates, and other items embedded in masonry. Embedded items furnished by others. Coordinate location of embedded items with others.
- 2.5. Reinforcing steel within masonry walls. Drill and epoxy dowels into substrate where indicated.
- 2.6. Grout hollow metal frames within masonry and concrete assemblies. Frames provided by others.
- 2.7. Masonry cavity insulation and cavity drainage material.
- 2.8. Masonry patching, salvage, toothing, and in-fills.
- 2.9. Patching, grouting and laying of masonry around wall penetrations.
- 2.10. Control and expansion joints within masonry assemblies. Strike clean caulk joints and expansion joints.
- 2.11. Install access doors within masonry walls. Doors furnished by others.
- 2.12. Install counter-flashing folds, reglets, and receivers. Material furnished by others.
- 2.13. Install loose steel lintels. Lintels furnished 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 05.10.00 - STRUCTURAL AND MISCELLANEOUS STEEL (FURNISH)**

### **SCOPE OF WORK**

The Supplier shall furnish the following material and equipment:

**STRUCTURAL AND MISCELLANEOUS STEEL (FURNISH)** - Including, but not limited to, material and equipment required by Specification Section(s):

|                 |   |
|-----------------|---|
| <b>05 12 00</b> | <b>Structural Steel Framing</b>                 |
| <b>05 21 00</b> | <b>Steel Joist Framing</b>                      |
| <b>05 31 00</b> | <b>Steel Decking</b>                            |
| <b>05 50 00</b> | <b>Metal Fabrications</b>                       |
| <b>DIV 00</b>   | <b>Procurement and Contracting Requirements</b> |
| <b>DIV 01</b>   | <b>General Requirements</b>                     |

**This Work specifically includes, but is not limited to:**

#### 1. GENERAL

- 1.1. Delegated design for connection calculations and metal fabrications and miscellaneous steel, including seal of professional engineer licensed in the state where the Project is located, on Shop Drawings and calculations.
- 1.2. Coordinate requirements of the Work, including, but not limited to, reviewing of all Subcontract Documents for size and locations of openings in floor and roof framing, including support framing at openings as required by typical details.
- 1.3. Fasteners (bolts, nuts, washers, tension control fasteners, anchors, and epoxy adhesives) necessary to complete this Scope of Work.
- 1.4. Coatings and surface preparation per the Specifications, including Division 9 Specifications as applicable to this Scope of Work where referenced by the Division 5 Specifications. Where steel fabrications are scheduled for shop primer to receive field coatings, provide shop primer that is compatible with specified field-applied finish systems.
- 1.5. Connections to concrete, masonry, or other non-steel substrates where installation of steel must occur after substrate is already in place.
- 1.6. Coordinate field measurements with erection subcontractor. Update final Shop Drawings to accommodate field measurements.
- 1.7. Shop visual and non-destructive testing in accordance with American Welding Society (AWS) and American Institute of Steel Construction (AISC) procedures.

#### 2. STRUCTURAL STEEL

- 2.1. Structural steel items, including, but not limited to, beams, columns, loose bearing plates, anchor bolts, leveling plates, metal deck, deck joists, joist reinforcing, shear studs, deformed bar anchors, bracing, bridging, ledge angles, bent plate, and connection material for all of the previously mentioned items.



2.2. One template of each base plate type to Contractor for use in setting anchor bolts.

3. MISCELLANEOUS STEEL

3.1. Anchor bolts, lintels, and all steel items scheduled for embedment in concrete and/or masonry.

**The following work is excluded:**

- 1. Steel support/hangers for mechanical equipment, piping, and duct work, unless specifically denoted on the steel Structural Drawings.
- 2. Anchor bolts and fasteners for wood sills and nailers.

**Unit Prices: The following unit prices are requested at bid time and are more or less than the quantities included in this Scope of Work.**

- 1. Shop Labor: \$ \_\_\_\_\_/HR
- 2. Additional Fabricated Structural Steel - Delivered on site: \$ \_\_\_\_\_/Ton
- 3. Additional Fabricated Miscellaneous Steel - Delivered on site: \$ \_\_\_\_\_/Ton

**Schedule/Quantity: The following items are requested at bid time and are for coordination only. They will not be included in the Agreement.**

- 1. Structural Steel: \_\_\_\_\_ Tons
- 2. Steel Joists: \_\_\_\_\_ Tons
- 3. Roof Decking: \_\_\_\_\_ SF
- 4. Steel Stairs & Rails: \_\_\_\_\_ Risers
- 5. Timing from notice to proceed to submission of complete shop drawings:  
\_\_\_\_\_ Weeks
- 6. Timing to fabricate and deliver the steel to Project site after receipt of approved or approved as noted submittals, verification forms, and a signed Contract. Duration provided shall be based upon the number of weeks necessary to deliver an adequate quantity of steel to the site to allow erection to commence and continue as indicated per the Project schedule without interruption or delay due to shortages of material on Project site:  
\_\_\_\_\_ Weeks

## SCOPE OF WORK 05.10.01 - STRUCTURAL STEEL (INSTALL)

### 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:

**STRUCTURAL STEEL (INSTALL)** - Including, but not limited to, Specification Section(s):

|                 |   |
|-----------------|---|
| <b>05 12 00</b> | <b>Structural Steel Framing</b>                 |
| <b>05 21 00</b> | <b>Steel Joist Framing</b>                      |
| <b>05 31 00</b> | <b>Steel Decking</b>                            |
| <b>05 50 00</b> | <b>Metal Fabrications</b>                       |
| <b>DIV 00</b>   | <b>Procurement and Contracting Requirements</b> |
| <b>DIV 01</b>   | <b>General Requirements</b>                     |

**This Work specifically includes, but is not limited to:**

#### 1. GENERAL

- 1.1. Install structural steel items, including, but not limited to, beams, columns, loose bearing plates, anchor bolts, leveling plates, metal deck, deck joists, joist reinforcing, shear studs, deformed bar anchors, bracing, bridging, ledge angles, bent plate, and connection material for all of the previously mentioned items.
- 1.2. Submit site-specific erection plan two (2) weeks prior to the steel erection pre-installation meeting. Plan shall include all items outlined in the Steel Erection Standards located in the Safety and Health Manual.
- 1.3. Participate in the steel erection pre-installation meeting, steel erection pre-start meeting and daily routine meeting per the Steel Erection Standards located in the Safety and Health Manual.
- 1.4. Install miscellaneous steel items, including, but not limited to, mechanical unit opening framing, and other metal fabrications.
- 1.5. Coordinate requirements of the Work, including, but not limited to, reviewing of Subcontract Documents for size and locations of openings in floor and roof framing, including support framing at openings as required by typical details.
- 1.6. Install connections to concrete, masonry, or other non-steel substrates where installation of steel must occur after substrate is already in place.
- 1.7. Field measurements and surveying of embedded steel items (projection, concrete elevation, location, alignment, and damage), including multiple trips to Project as necessary to accomplish these tasks. Submit findings two (2) weeks prior to mobilizing for start of steel erection. Notify Contractor of any discrepancies identified among field measurements, the Subcontract Documents, and American Institute of Steel Construction (AISC) standards.
- 1.8. Cut all holes in deck assemblies for openings identified on Subcontract Documents,

including soffit vent holes at 24" O.C., when directed by Contractor.

- 1.9. Field touch up of shop finish primer, paint, and galvanizing at locations where shop finish is damaged during delivery, handling, or erection, including, but not limited to, field connection points, bolts, handrails, and hoisting pick points.
- 1.10. Clean steel of dirt, mud, dust, and piece mark identifications prior to completion of erection.
- 1.11. Remove temporary erection aids, welds, run off tabs, and backing strips.
- 1.12. Lifts and any other accommodations necessary to facilitate performance of special inspections of the Work as required by the testing agency.
- 1.13. Arrange for temporary power for welders and equipment as needed for completion of this Scope of Work and/or provide fuel powered welders and equipment. When fuel powered equipment is used, protect concrete slabs and finishes from fuel spills or leakage and properly ventilate when performing Work within confined spaces as required per OSHA guidelines.
- 1.14. Fire extinguishers, fire watch, and burn permits for welding and cutting.
- 1.15. Ladders for floor-to-floor access during construction of this Scope of Work.
- 1.16. Column layout and elevations, including leveling nuts and shooting shim packs. Building offset work lines and benchmarks for use by others.

**The following work is excluded:**

1. Grout for column base plates, beam pockets and beam bearing plates.
2. Steel support and hangers for mechanical equipment, piping, and duct work, unless specifically denoted on the Structural Drawings.

**Unit Prices:**

1. Ironworker: Straight Time: \$\_\_\_\_\_ per hour
2. Ironworker: Overtime: \$\_\_\_\_\_ per hour OR day
3. Crane Demobilization/Remobilization due to compensable delays beyond Subcontractor's control: \$\_\_\_\_\_ per day

**Schedule/Quantity: The following items are requested at bid time and are for coordination only. They will not be included in the Agreement.**

1. Structural Steel: \_\_\_\_\_ Tons
2. Steel Joists: \_\_\_\_\_ Tons
3. Roof Decking: \_\_\_\_\_ SF
4. Number of weeks necessary to complete erection of the steel frame structure and decking from the time of receipt of steel fabrications at the Project site, and as necessary to allow all subsequent work as defined by the Project Schedule to commence: \_\_\_\_\_ Weeks

## SCOPE OF WORK 06.10.00 - ROUGH CARPENTRY & EXPANSION JOINTS

### 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:

**ROUGH CARPENTRY & EXPANSION JOINTS** - Including, but not limited to, Specification Section(s):

|                 |   |
|-----------------|---|
| <b>06 10 00</b> | <b>Rough Carpentry</b>                          |
| <b>07 22 10</b> | <b>Nailbase Insulation Panels</b>               |
| <b>07 95 13</b> | <b>Expansion Joint Cover Assemblies</b>         |
| <b>DIV 00</b>   | <b>Procurement and Contracting Requirements</b> |
| <b>DIV 01</b>   | <b>General Requirements</b>                     |

**This Work specifically includes, but is not limited to:**

#### 1. GENERAL

- 1.1. Miscellaneous clips, shims, fasteners, anchors, accessories, expansion anchors, and adhesives as required to complete the Work.
- 1.2. Furnish inserts or anchoring devices that must be set in concrete or built into masonry to the appropriate trade(s) for installation. Coordinate blocking requirements with others.
- 1.3. Substrate cleaning and preparation.
- 1.4. Both Subcontractor and any applicable supplier shall participate in a pre-installation conference to discuss the neutral position of joint installation relative to the seasonal temperature and its effects on building movement.
- 1.5. Inspect deliveries for damage, and sign-off on the delivery ticket. Submit inventory log to Contractor.
- 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. ROUGH CARPENTRY

- 2.1. Blocking, including, but not limited to, all interior and exterior blocking required for attachment of wall mounted items, casework, countertops, window/door perimeters, door hardware, standing and running trim, fire extinguisher cabinets, window shades, shelving, and other miscellaneous specialties as required for attachment, above ceiling, or other Project specific locations.

- 2.2. Blocking for Owner-furnished items.
  - 2.3. Dimensional lumber, LVLs, and plywood needed for parapet, roofing, and expansion joint construction. Coordinate this Work closely with others, including but not limited to roofing trade, to ensure correct dimensions.
  - 2.4. Plywood and miscellaneous wood substrate at all required locations including, but not limited to, wall type "G" fire rated backer panel.
3. EXPANSION CONTROL
- 3.1. Expansion joint covers and assemblies as a complete system(s). Include all items required by the joint manufacturer for a complete installation.
  - 3.2. Caulking related to the installation of the expansion joints.
  - 3.3. Sealants and adhesives required for a complete installation of assemblies.
4. NAILBASE INSULATION PANELS
- 4.1. Ventilated roof insulation panels installed per manufacturer's instructions.
  - 4.2. Field cut ventilation holes at 24" O.C. as indicated.

**The following work is excluded:**

1. Glass mat sheathing.
2. Millwork.
3. Countertops.
4. Painting.
5. Caulk joints.

## SCOPE OF WORK 07.10.00 - WATERPROOFING

### 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:

**WATERPROOFING** - Including, but not limited to, Specification Section(s):

- 07 14 00            Fluid-Applied Waterproofing**
- DIV 00             Procurement and Contracting Requirements**
- DIV 01             General Requirements**

**This Work specifically includes, but is not limited to:**

#### 1. GENERAL

- 1.1. Protect installed waterproofing from environmental damage per manufacturer's directions until waterproofing is concealed by backfill and/or subsequent work.
- 1.2. Verify that minimum air and substrate temperatures are satisfied in accordance with the Specifications and manufacturers' requirements prior to the installation.
- 1.3. Substrate preparation, including patching of holes and removal of efflorescence, dirt, dust, fins, splatters, grease, oils, curing compounds, and form release agents.
- 1.4. Substrate moisture testing. Submit results to Contractor.
- 1.5. Adhesion testing.
- 1.6. Coordinate with others for compatibility of products with weather/air barrier, waterproofing, masonry flashings, and joint sealants. No Work shall be performed until product compatibility is established.

#### 2. WATERPROOFING

- 2.1. Foundation waterproofing as a complete system(s) including detailing at penetrations and openings.

**The following work is excluded:**

1. Vapor barrier at slab on grade or structural slab.
2. Rigid insulation board at below grade locations.
3. Weather and air barrier.

**Coordination Items: The following items are requested at bid time and are for coordination only. They will not be included in the Agreement.**

#### 1. Manufacturers and Products - Provide the location, name of the manufacturer, and the product confirmation of compatibility for the following:

- 1.1. Provide the location, name of the manufacturer, and the product confirmation of compatibility for the following:

1.1.1. Waterproofing \_\_\_\_\_

## SCOPE OF WORK 07.20.00 - SPRAY INSULATION

### 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:

**SPRAY INSULATION** - Including, but not limited to, Specification sections:

|                 |   |
|-----------------|---|
| <b>07 21 19</b> | <b>Foamed-In-Place Insulation</b>               |
| <b>DIV 00</b>   | <b>Procurement and Contracting Requirements</b> |
| <b>DIV 01</b>   | <b>General Requirements</b>                     |

**This Work specifically includes, but is not limited to:**

#### 1. GENERAL

- 1.1. Clean up daily and after this Work is completed in each area including all overspray onto other substrates. All residue shall be removed.
- 1.2. Coordinate with all trades to ensure conduit, hangers, clamps and other attachment devices or in-wall rough-in are in place prior to insulation activities to minimize cutting or removing of insulation.
- 1.3. Coordinate with others to ensure that spray insulation does not conceal metal attachment clips, J-boxes or other components necessary to be accessed after installation of the insulation system. Install temporary dams or forms as may be necessary to allow for subsequent access to these items.

#### 2. SPRAY INSULATION

- 2.1. Spray applied thermal insulation as a complete system including substrate preparation as required to achieve required ratings and per Subcontract Documents.

**The following work is excluded:**

1. Batt insulation.
2. Board insulation at below grade waterproofing.
3. Roofing insulation.
4. Insulation as part of a firestop assembly.

## SCOPE OF WORK 07.24.00 - EIFS

### 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:

**EIFS** - Including, but not limited to, Specification sections:

- 07 24 00**            **Exterior Insulation and Finish Systems**
- 07 62 00**            **Sheet Metal Flashing and Trim**
- DIV 00**              **Procurement and Contracting Requirements**
- DIV 01**              **General Requirements**

**This Work specifically includes, but is not limited to:**

#### 1. GENERAL

- 1.1. Submittals to include Manufacturer letter(s) stating that all components of the Exterior Insulated Finish Systems (EIFS) system meet the conditions of the Manufacturer's warranty.
- 1.2. Manufacturer's national representative shall attend pre-installation conference(s) for EIFS/Stucco work.
- 1.3. Ensure integrity of weather resistive barrier is maintained during and after installation so no air, water, and/or thermal breaks are present within the system as a result of penetrations created by Work of this Scope.

#### 2. EIFS

- 2.1. Exterior Insulated Finish Systems (EIFS) including screeds, weeps, rustication, control joints, termination profiles, drip edges, diverter tracks, corner beads, flashing strips, insulation, and special embedded profiles for a complete system.
- 2.2. Where caulking is necessary to seal the EIFS to the adjacent dissimilar materials, provide color-matching EIFS finish compatible with the joint sealants system. Allow for sealants to be applied to the brown coat only prior to installation of the finish coat or tape off joints at these sealant locations in order to leave brown coat exposed for installation of sealants after installation of the brown coat is completed.
- 2.3. Coordinate and seal around mechanical, electrical, and plumbing penetrations through the EIFS system in order to maintain the finish and integrity of the system.
- 2.4. Control and expansion joints.
- 2.5. Drainage strips and back wrapped starter strips at the bottom of the EIFS system.

**The following work is excluded:**

1. Wall framing and sheathing.
2. Blocking.

3. Sheet metal flashing.
4. Air Barrier.

## SCOPE OF WORK 07.30.00 - ASPHALT ROOFING

### 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:

**ASPHALT ROOFING** - Including, but not limited to, Specification sections:

|                 |   |
|-----------------|---|
| <b>07 31 13</b> | <b>Asphalt Shingles</b>                         |
| <b>07 42 13</b> | <b>Metal Wall Panels</b>                        |
| <b>07 62 00</b> | <b>Sheet Metal Flashing and Trim</b>            |
| <b>07 71 23</b> | <b>Manufactured Gutters and Downspouts</b>      |
| <b>DIV 00</b>   | <b>Procurement and Contracting Requirements</b> |
| <b>DIV 01</b>   | <b>General Requirements</b>                     |

**This Work specifically includes, but is not limited to:**

1. GENERAL

- 1.1. Shop drawings to include all flashing locations and installation details.
- 1.2. Weather protection at end of each work day during progress to maintain a weathertight roof system.

2. ASPHALT ROOFING

- 2.1. Asphalt roofing system as a complete system.
- 2.2. Roofing underlayment.
- 2.3. Ice and water shield where indicated.
- 2.4. Hip flashing, valley flashing, side wall flashing / step shingles, fascia flashing, and drip edge.
- 2.5. Roof vents and plumbing vent covers.
- 2.6. Gutters and downspouts.
- 2.7. Specific details at terminations and transitions.
- 2.8. Flashing, counter flashing, and waterproofing at Work transitions and penetrations by others.
- 2.9. Patching as required at existing roof areas where new expansion joint is installed.
- 2.10. Metal fascia and soffits.

**The following work is excluded:**

1. Membrane roofing.
2. Plywood decking.

3. Overflow scupper.
4. Roof curbs for mechanical units.
5. Parapet copings.

## SCOPE OF WORK 07.50.00 - MEMBRANE ROOFING

### 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:

**MEMBRANE ROOFING** - Including, but not limited to, Specification Section(s):

|                 |   |
|-----------------|---|
| <b>07 53 00</b> | <b>Elastomeric Membrane Roofing</b>             |
| <b>07 62 00</b> | <b>Sheet Metal Flashing and Trim</b>            |
| <b>DIV 00</b>   | <b>Procurement and Contracting Requirements</b> |
| <b>DIV 01</b>   | <b>General Requirements</b>                     |

**This Work specifically includes, but is not limited to:**

1. GENERAL

- 1.1. Coordinate Work with others whose work intersects and/or passes through this Work. Detail penetrations, flash, counter flash, and waterproof penetrations.
- 1.2. Clean roof substrate and prepare surface prior to start of roofing activities.
- 1.3. Weather protection at end of each work day during progress to maintain a weathertight roof system.
- 1.4. Remove material debris generated from unpacking of roofing materials from the site.

2. MEMBRANE ROOFING

- 2.1. EPDM membrane roofing system including, but not limited to membrane, substrate boards, vapor retarder, underlayment, roof insulation, walkway pads, termination bars, reglets, adhesives, fasteners, and accessories necessary for a complete system.

3. SHEETMETAL, EXPANSION CONTROL, AND ACCESSORIES

- 3.1. Roofing related sheet metal flashing including, but not limited to parapet coping and any flashings in-board of the parapet.
- 3.2. Joint sealants necessary for a complete system.

**The following work is excluded:**

1. Roof curbs for mechanical units including insulation within curbs.
2. Roof blocking.
3. Expansion joint assemblies defined in other scopes of work.
4. Joint sealants defined in other scopes of work.
5. Metal copings, gutters, and downspouts for asphalt roofing.

**Manufacturers and Products: The following items are requested at bid time and are for coordination only. They will not be included in the Agreement.**

1. Provide the location, name of the manufacturer, and the product for confirmation of compatibility for the following:

1.1. Roofing System \_\_\_\_\_

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

### SCOPE OF WORK

The Supplier shall furnish the following material and equipment:

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

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

**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.

**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 - DOORS, FRAMES AND HARDWARE (INSTALL)**

### **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)** - Including, but not limited to, Specification Section(s):

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

**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.

**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 08.33.00 - OVERHEAD AND COILING DOORS

### 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:

**OVERHEAD AND COILING DOORS** - Including, but not limited to, Specification Section(s):

|                 |   |
|-----------------|---|
| <b>08 33 23</b> | <b>Overhead Coiling Doors</b>                   |
| <b>08 36 13</b> | <b>Sectional Doors</b>                          |
| <b>DIV 00</b>   | <b>Procurement and Contracting Requirements</b> |
| <b>DIV 01</b>   | <b>General Requirements</b>                     |

**This Work specifically includes, but is not limited to:**

1. GENERAL

- 1.1. Unloading and distribution of material to be installed.
- 1.2. Quantity and damage inspection of materials once delivered to the Project.

2. OVERHEAD AND COILING DOORS

- 2.1. Overhead coiling doors, overhead fire doors, and sectional doors including, but not limited to power operator, control devices, guides, hood, motors, panels, hardware, seals, fasteners, and accessories required for a complete installation.
- 2.2. Low voltage hook-up and wiring required for a complete installation.
- 2.3. Door sills and weather stripping.
- 2.4. Relays, internal wiring components, and release devices for connection to fire alarm system. Coordinate with fire alarm subcontractor for connections and required hardware for proper door function.
- 2.5. Final fire testing and demonstration of proper operation as required by the applicable Authority Having Jurisdiction. Include adjusting and re-setting of fire doors upon completion of testing. Pretest doors prior to inspection.
- 2.6. Factory authorized service representative to perform start-up, demonstration, and training upon completion of installation.
- 2.7. Balancing and final adjustment of installed doors.
- 2.8. Installation of masterkeyed cylinders. Materials furnished by others.

**The following work is excluded:**

1. Hollow metal doors and frames.
2. Wood doors and frames.

3. 120V power to doors.
4. Structural overhead support.

## SCOPE OF WORK 08.40.00 - ALUMINUM WINDOWS AND GLAZING

### 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:

**ALUMINUM WINDOWS AND GLAZING** - Including, but not limited to, Specification Section(s):

|                 |   |
|-----------------|---|
| <b>07 92 00</b> | <b>Joint Sealants</b>                           |
| <b>08 51 13</b> | <b>Aluminum Windows</b>                         |
| <b>08 80 00</b> | <b>Glazing</b>                                  |
| <b>DIV 00</b>   | <b>Procurement and Contracting Requirements</b> |
| <b>DIV 01</b>   | <b>General Requirements</b>                     |

**This Work specifically includes, but is not limited to:**

1. GENERAL

- 1.1. Miscellaneous clips, shims, fasteners, anchors, and accessories required for a complete installation of the Work of this Scope.
- 1.2. Remove labels, stickers, temporary coverings, excessive sealants, dirt, and debris from glass and aluminum surfaces.

2. ALUMINUM WINDOWS

- 2.1. Aluminum framed windows, glass, and glazing as indicated.
- 2.2. Insulation concealed within aluminum window assemblies. This includes, but is not limited to, mullion insulation, and insulation of shim spaces or pockets to adjacent construction materials.
- 2.3. Sill pan with integral end dams set in mastic, jamb, head, and counter flashings at all window openings. Exposed flashings shall match window finish.
- 2.4. Anchors and clips used to support aluminum framing members to be concealed behind adjacent interior finishes.
- 2.5. Exterior perimeter joint sealants between windows and dissimilar materials.

3. INTERIOR GLAZING

- 3.1. Interior aluminum windows, glazing, and specialty glass as indicated.
- 3.2. Interior perimeter joint sealants between windows and dissimilar materials.
- 3.3. Tempered glass where glass surfaces are less than eighteen inches (18") above finished floor and other locations indicated.
- 3.4. Glass and glazing within hollow metal and wood doors and frames.

**The following work is excluded:**

1. Joint sealants in other scopes of work.
2. Flashings in other scopes of work.
3. Final cleaning of windows.
4. Mirrors specified in Division 10.
5. Wood blocking.
6. Hollow metal doors and frames

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

### 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** - Including, but not limited to, Specification Section(s):

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

**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 hollow metal door and window frames in gypsum board partitions. 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.

**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 09.30.00 - TILING

### 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:

**TILING** - Including, but not limited to, Specification sections:

|                 |   |
|-----------------|---|
| <b>07 92 00</b> | <b>Joint Sealants</b>                           |
| <b>09 30 00</b> | <b>Tiling</b>                                   |
| <b>DIV 00</b>   | <b>Procurement and Contracting Requirements</b> |
| <b>DIV 01</b>   | <b>General Requirements</b>                     |

**This Work specifically includes, but is not limited to:**

#### 1. GENERAL

- 1.1. Verify substrates are acceptable for installation of material including surface conditions, compatibility with existing finishes, and bonding prior to the start of the Work. Confirm flatness of subsurfaces before beginning the installation of this Scope of Work.
- 1.2. Test slab moisture content, pH, and vapor testing per Specification and manufacturer's recommendations (minimum of both calcium chloride and relative humidity test) prior to the start of the Work. Submit documentation to Contractor.
- 1.3. Moisture Vapor Reducing Admixture (MVRA) (by others) will be utilized in concrete pours in areas of finished flooring. Coordinate requirements with manufacturer.
- 1.4. Clean concrete floor (including, but not limited to, mopping, buffing, sanding, and bead blasting for acceptable substrate) prior to installation of flooring. Scraping of drywall mud by others.
- 1.5. Floor preparation, including, trowelable underlayments and patching compounds, as required to meet flooring manufacturer requirements. Reference Division 3 for specified floor flatness and levelness requirements provided by others. Floor preparation includes concrete joints, repair of chips or dings, and deviations in elevation outside the specified levels. Work also includes transitions between rooms, doorways, and transitions from new to existing.
- 1.6. Unless noted otherwise, at doorways, center seams and floor transitions shall be placed under the door when in the closed position.
- 1.7. Cut flooring materials to fit tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings.
- 1.8. Confirm slopes to drains before beginning the installation of this Scope of Work.
- 1.9. Polished cuts and cores for receptacles, switches, plumbing fixtures, and penetrations.
- 1.10. Finishing and/or sealing of finished product.

- 1.11. Caulk inside corners in lieu of grout.
- 1.12. 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.
- 1.13. 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. TILE

- 2.1. Floor, wall, base, and trim porcelain tile, including setting and grouting materials for tile, mortar, trowelable underlayment, crack isolation membranes, sealing of grout joints, transition strips, metal edge strips, and grout release.
- 2.2. Wall preparation, including edge and reducer strips, metal termination strips between wall materials, primers, adhesives, setting mortar, and other miscellaneous items required. The Work includes any wall fill or leveling compound required at wall joints.

### **The following work is excluded:**

1. Temporary heat and enclosures.
2. Joint sealants defined in other scopes of work.
3. Final cleaning.
4. Cementitious backer board.
5. Major floor preparation (self-leveling and grinding of subfloor) above and beyond preparation defined in inclusions.

## SCOPE OF WORK 09.50.00 - ACOUSTICAL CEILINGS

### 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:

**ACOUSTICAL CEILINGS** - Including, but not limited to, Specification Section(s):

|                 |   |
|-----------------|---|
| <b>09 51 00</b> | <b>Acoustical Ceilings</b>                      |
| <b>DIV 00</b>   | <b>Procurement and Contracting Requirements</b> |
| <b>DIV 01</b>   | <b>General Requirements</b>                     |

**This Work specifically includes, but is not limited to:**

#### 1. GENERAL

- 1.1. Coordinate bulkhead details and interfacing sheetrock ceilings with acoustical ceilings.
- 1.2. Cut outs and patching in acoustical ceilings for others.
- 1.3. Non-corrosive fasteners for attachment to treated lumber.
- 1.4. Coordinate ceiling heights with others.
- 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. ACOUSTICAL CEILINGS AND TREATMENTS

- 2.1. Acoustical ceiling system, including, but not limited to, suspension system, including hangers and wire, metal grid system, acoustical ceiling tile, trim, additional ceiling supports, clips, shims, fasteners, anchors, and accessories.
- 2.2. Trapeze style supports as required to coordinate with overhead MEP (Mechanical/Electrical/Plumbing) obstructions.

**The following work is excluded:**

1. Thermal insulation defined in other scopes of work.
2. Joint sealants defined in other scopes of work.
3. Firestopping assemblies.
4. Expansion joints and covers defined in other scopes of work.
5. Temporary heat and enclosures for this Work.



## SCOPE OF WORK 09.65.00 - RESILIENT FLOORING AND CARPET

### 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:

**RESILIENT FLOORING AND CARPET** - Including, but not limited to, Specification sections:

|                 |   |
|-----------------|---|
| <b>09 65 00</b> | <b>Resilient Flooring</b>                       |
| <b>09 68 13</b> | <b>Tile Carpeting</b>                           |
| <b>DIV 00</b>   | <b>Procurement and Contracting Requirements</b> |
| <b>DIV 01</b>   | <b>General Requirements</b>                     |

**This Work specifically includes, but is not limited to:**

#### 1. GENERAL

- 1.1. Verify substrates are acceptable for installation of material including surface conditions, compatibility with existing finishes, and bonding prior to the start of the Work. Confirm flatness of subsurfaces before beginning the installation of this Scope of Work.
- 1.2. Test slab moisture content, pH, and vapor testing per Specification and manufacturer's recommendations (minimum of both calcium chloride and relative humidity test) prior to the start of the Work. Submit documentation to Contractor.
- 1.3. Moisture Vapor Reducing Admixture (MVRA) (by others) will be utilized in concrete pours in areas of finished flooring. Coordinate requirements with manufacturer.
- 1.4. Clean concrete floor (including, but not limited to, mopping, buffing, sanding, and bead blasting for acceptable substrate) prior to installation of flooring. Scraping of drywall mud by others.
- 1.5. Floor preparation, including, trowelable underlayments and patching compounds, as required to meet flooring manufacturer requirements. Reference Division 3 for specified floor flatness and levelness requirements provided by others. Floor preparation includes concrete joints, repair of chips or dings, and deviations in elevation outside the specified levels. Work also includes transitions between rooms, doorways, and transitions from new to existing.
- 1.6. Protection of finished Work to include reinforced paper at full width of corridors, lobbies, and high traffic areas as directed by Contractor. Use non-marking tape and maintain protection until punch-list activities begin. Remove and dispose of protection material as directed by Contractor.
- 1.7. Unless noted otherwise, at doorways, center seams and floor transitions shall be placed under the door when in the closed position.
- 1.8. Cut flooring materials to fit tightly to vertical surfaces, permanent fixtures, and built-in

furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings.

1.9. Do not install finished flooring over layout markings on floor that may bleed through flooring products. If encountered, notify Contractor prior to installation.

1.10. Bind or seal cut edges.

2. RESILIENT AND CARPET FLOORING

2.1. Carpet tile, vinyl composition tile (VCT), and base including transitions, reducer strips, metal termination strips between flooring materials, primers, adhesives, moisture test kits, underlayments, and other miscellaneous accessories.

**The following work is excluded:**

1. Floor expansion joint covers.
2. Temporary heat and enclosures.
3. Major floor preparation (self-leveling and grinding of subfloor) above and beyond preparation defined in inclusions.
4. Joint sealants defined in other scopes of work.
5. Concrete vapor sealer.
6. Final cleaning.

## SCOPE OF WORK 09.90.00 - PAINTING AND THERMAL COATINGS

### 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:

**PAINTING AND THERMAL COATINGS** - Including, but not limited to, Specification Section(s):

|                 |   |
|-----------------|---|
| <b>07 21 01</b> | <b>Thermal Insulation (Fluid Applied)</b>       |
| <b>09 91 13</b> | <b>Exterior Painting</b>                        |
| <b>09 91 23</b> | <b>Interior Painting</b>                        |
| <b>09 93 00</b> | <b>Staining and Transparent Finishing</b>       |
| <b>DIV 00</b>   | <b>Procurement and Contracting Requirements</b> |
| <b>DIV 01</b>   | <b>General Requirements</b>                     |

**This Work specifically includes, but is not limited to:**

#### 1. GENERAL

- 1.1. Surface preparation for the Work of this Scope.
- 1.2. Verify substrates are acceptable for applying coatings over substrate, including surface conditions, compatibility with existing finishes, and bonding prior to the start of the Work.
- 1.3. Moisture test subsurface, with testing method approved by the Contractor, before beginning the installation of wall finishes. Submit results to Contractor before beginning the Work.
- 1.4. Clean paint residue from floor and adjacent surfaces daily. Remove overspray.
- 1.5. Clean-up and disposal of paint and cleaning material including off-site disposal of paint and cleaning agent cans. Disposal of products in site inlet grates is not allowed.
- 1.6. "Wet Paint" signs to protect newly coated surfaces. Remove and dispose temporary protection, including protection provided by others to protect work, after completing the Work of this Scope.
- 1.7. Reasonable touch-up immediately prior to punch-list activities.
- 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.
- 1.9. 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. INTERIOR COATINGS

- 2.1. Interior painting and staining including, but not limited to, surface preparation, block fillers, primers, sealers, paints, and coatings.
  - 2.2. Prepare and paint items identified to receive field applied coatings, field or shop finishing of any unfinished metal items, access doors, exposed MEP items, or exposed structure.
  - 2.3. Prepare and paint interior exposed steel items including, but not limited to, metal decking, beams, columns, joists, other structural steel members, handrails, stair stringers and treads, guardrails, and any other exposed miscellaneous steel items.
  - 2.4. Prepare and paint ductwork, piping, fire suppression piping, standpipes, grilles, diffusers, supports, and electrical items where exposed to view. Mask labels on MEP equipment prior to painting.
  - 2.5. Prepare and paint sides and edges of plywood for electrical and communications equipment prior to installation, and touch-up following installation.
  - 2.6. Apply prime and first coat of paint prior to ceiling grid and room finish work. Apply final coat of paint following installation of room finishes, except for floor base and outlet covers.
3. EXTERIOR PAINTING AND THERMAL COATINGS
- 3.1. Exterior painting including, but not limited to, surface preparation, block fillers, primers, sealers, paints, and coatings.
  - 3.2. Prepare and paint exterior items including, but not limited to, hollow metal doors and frames, lintels, and all other items not indicated to be factory finished.
  - 3.3. Thermal break coating applied to cold-formed steel trusses.

**The following work is excluded:**

1. Temporary heat and enclosures.
2. Joint sealants.
3. Pavement markings, striping, and signs.
4. Drywall, taping, sanding, and finishing.
5. Painting of pre-finished items.

## **SCOPE OF WORK 10.00.00 - SPECIALTIES (SUPPLY)**

### **SCOPE OF WORK**

The Supplier shall furnish the following material and equipment:

**SPECIALTIES (SUPPLY)** - Including, but not limited to, material and equipment required by Specification Section(s):

|                    |   |
|--------------------|---|
| <b>10 21 13.13</b> | <b>Metal Toilet Compartments</b>                |
| <b>10 26 00</b>    | <b>Wall and Door Protection</b>                 |
| <b>10 28 00</b>    | <b>Toilet, Bath, and Laundry Accessories</b>    |
| <b>10 44 00</b>    | <b>Fire Protection Specialties</b>              |
| <b>DIV 00</b>      | <b>Procurement and Contracting Requirements</b> |
| <b>DIV 01</b>      | <b>General Requirements</b>                     |

**This Work specifically includes, but is not limited to:**

#### 1. GENERAL

- 1.1. Miscellaneous clips, shims, fasteners, anchors, accessories, expansion anchors, and adhesives as required to complete Scope of Work.
- 1.2. Coordinate Scope of Work with others prior to beginning the Work.
- 1.3. Field measure prior to fabrication and adjust Shop Drawings accordingly.
- 1.4. Shop Drawings within four (4) weeks of receipt of executed Agreement.
- 1.5. Multiple deliveries, as necessary, per schedule.
- 1.6. Ensure materials, equipment, and accessories furnished comply with ADA requirements.
- 1.7. Layout and fasten templates for in-wall blocking and backing by others.
- 1.8. Submit cut sheets with cut out dimensions for recessed items.
- 1.9. Layout and fastening templates for in-wall blocking and backing by others.
- 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. TOILET COMPARTMENTS

- 2.1. Toilet compartments and/or partitions as indicated.
- 2.2. Reinforcing for the attachment of grab bars as required.

#### 3. TOILET ACCESSORIES

- 3.1. Toilet accessories including but not limited to, grab bars, paper towel dispensers, soap dispensers, mirrors, toilet paper dispensers, baby changing stations, and adult changing stations.

4. FIRE PROTECTION SPECIALTIES

- 4.1. Fire protection specialties from a single manufacturer in quantities as indicated.
- 4.2. Fire protection specialty locks as specified.
- 4.3. Specified identifications and fire extinguisher certifications.
- 4.4. Attend inspections and other items required by the Authority Having Jurisdiction for fire extinguisher installation.

5. WALL AND DOOR PROTECTION

- 5.1. Corner guards as indicated.

**The following work is excluded:**

1. In-wall blocking and backing.
2. Recharging extinguishers due to use or vandalism.
3. Cut-outs for recessed items.

## SCOPE OF WORK 12.30.00 - CASEWORK & MILLWORK

### 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:

**CASEWORK & MILLWORK** - Including, but not limited to, Specification sections:

|                 |   |
|-----------------|---|
| <b>06 20 00</b> | <b>Finish Carpentry</b>                         |
| <b>12 34 00</b> | <b>Laminate Clad Casework - Commercial</b>      |
| <b>DIV 00</b>   | <b>Procurement and Contracting Requirements</b> |
| <b>DIV 01</b>   | <b>General Requirements</b>                     |

**This Work specifically includes, but is not limited to:**

#### 1. GENERAL

- 1.1. Shop drawings for Work of this Scope. Include in-wall blocking showing exact locations, elevations, sections, details, and attachments of blocking requirements. Coordinate cut-out sizes for fixtures provided by others.
- 1.2. Develop a coordinated piece mark system for materials to ensure accurate and coordinated installation. Review with Contractor.
- 1.3. Layout, field verification, measurements, and templates.
- 1.4. Protection of Work, including shelves and countertops, with cardboard taped securely during the installation process. Remove when directed by Contractor.
- 1.5. Coordinate drawings and all of manufacturer's cut sheets and Shop Drawings for mechanical, plumbing, electrical, and connections for large equipment.
- 1.6. Multiple deliveries, as necessary, per Schedule.
- 1.7. 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.
- 1.8. 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. CASEWORK

- 2.1. Casework, including but not limited to, cabinets, countertops and supports, window sills, and miscellaneous hardware, trim, shimming, and anchorage devices for a complete installation.
- 2.2. Plastic laminate, and solid surface countertops, vanities, shelves, window sills, including skirts, side and backsplashes, supports, edge detailing, backing material or subtops, sealers, adhesives, and miscellaneous hardware, trim, shimming, and

anchorage devices for a complete installation. Exposed edges shall be polished, unless provided otherwise in the Subcontract Documents.

- 2.3. Integral solid surface sink basins.
- 2.4. Finish hardware associated this Scope of Work.
- 2.5. Pre-drilled holes for hardware.
- 2.6. Cutouts in casework, countertops, and any other items included in this Scope of Work. Grommets in countertops as located in the field.
- 2.7. Joint sealants for the Work of this Scope, including sealants to dissimilar materials.
- 2.8. Align and adjust casework doors, drawers, hardware, and shelves including locking mechanisms prior to turnover to Owner. Provide Contractor with a keyed lock schedule and all keys associated with each piece of millwork specified to receive locks.

### 3. MILLWORK

- 3.1. Interior finish carpentry, including, but not limited to, wood wall caps, wood trim, and miscellaneous materials required for a complete installation.
- 3.2. Finish touchup and fillers to complete this Scope of Work.
- 3.3. Shop finish wood items before delivering to Project site.

#### **The following work is excluded:**

1. Joint sealants described in other scopes of work.
2. Toilet compartments and accessories.
3. Mechanical, electrical, or plumbing work.
4. In-wall blocking.
5. Final mechanical, electrical, and plumbing connections.
6. Rubber base.

## SCOPE OF WORK 21.00.00 - FIRE PROTECTION

### 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:

**FIRE PROTECTION** - Including, but not limited to, Specification Section(s):

|                 |   |
|-----------------|---|
| <b>21 05 00</b> | <b>Fire Protection General Provisions</b>       |
| <b>21 05 10</b> | <b>Common Work Results for Fire Protection</b>  |
| <b>21 10 00</b> | <b>Fire Sprinkler System</b>                    |
| <b>DIV 00</b>   | <b>Procurement and Contracting Requirements</b> |
| <b>DIV 01</b>   | <b>General Requirements</b>                     |

**This Work specifically includes, but is not limited to:**

#### 1. GENERAL

- 1.1. Delegated design.
- 1.2. Layout for equipment pads as required.
- 1.3. Layout for penetrations as required.
- 1.4. Layout of equipment that will require specific backing and framing.
- 1.5. Sealing, flashing, and escutcheons for roof, wall, and floor penetrations as required for this Scope of Work.
- 1.6. Equipment mounting brackets as required.
- 1.7. Cut and install ceiling tiles as required. Ceiling tiles furnished by others.
- 1.8. Coordinate with others as required for full integration and interface of the system(s) included in the Work.
- 1.9. Furnish access doors as required for this Scope of Work. Installation by others.
- 1.10. Core drilling including layout, structural x-rays, and temporary protection as required for this Scope of Work. Obtain written approval from Contractor before any core drilling.
- 1.11. Saw-cutting and patching as required for this Scope of Work.
- 1.12. Supervision at concrete pours involving penetrations and sleeves associated with this Scope of Work.
- 1.13. Expansion joints for piping as required.

#### 2. FIRE SPRINKLER SYSTEM

- 2.1. Existing fire sprinkler system to remain fully functional throughout construction.

- 2.2. Complete design, fabrication and installation of fire suppression system for a fully sprinkled facility. Including all piping, supports, hangers, valves, equipment, hose cabinets, alarms, compressors, heads, escutcheons, testing, and all other items needed for a fully operational system meeting the requirements of the authority having jurisdiction (AHJ).
- 2.3. Flow tests to obtain hydraulic data needed for design of system.
- 2.4. Start-up strainers for fire pumps. After final acceptance, replace with final strainer.
- 2.5. Flushing and sterilization of sprinkler water lines.
3. COMMISSIONING
  - 3.1. Commissioning assistance.
  - 3.2. Qualified personnel, including manufacturer technicians, to attend all commissioning meetings.
  - 3.3. Qualified personnel, including manufacturer technicians, and equipment to complete pre-functional and functional testing and trending as directed by the commissioning agent.

**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. Underground piping to flanged outlet (including flushing and testing).
7. Line voltage conduit and wire.
8. Fire extinguishers and fire extinguisher cabinets.

## **SCOPE OF WORK 23.00.00 - MECHANICAL (HVAC & PLUMBING)**

### **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)** - Including, but not limited to, Specification Section(s):

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

**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. GENERAL PLUMBING PIPING

- 3.1. Final tie-in of domestic, sanitary, and storm piping at point of termination five (5) feet outside the building footprint.
- 3.2. Storm drain system including piping, hangers, fittings, and drain leveling provisions.
- 3.3. Natural gas fuel piping system, including piping, hangers, valves, fittings, system regulators, and relief piping.
- 3.4. Compressed air piping system, including piping, hangers, valves, fittings, system regulators, and relief piping.
- 3.5. Condensate drainage system.
- 3.6. Plugs, caps, tees, and valves for tie-ins to existing systems.
- 3.7. Thrust blocks, concrete, anchors, and guides for underground piping.
- 3.8. Heat trace system and controllers for plumbing piping and equipment.

## 4. GENERAL PLUMBING EQUIPMENT AND FIXTURES

- 4.1. Install water meter furnished by others.
- 4.2. Caulking for plumbing fixtures.
- 4.3. Escutcheons sealed to the wall and around piping, including under-counter piping.

## 5. START-UP AND TESTING

- 5.1. Chemicals and temporary material and equipment for flushing and passivation of piping systems. Flushing through equipment coils is not allowed.
- 5.2. Temporary material and equipment for pressure testing of piping systems. Pressure testing through equipment coils is not allowed.
- 5.3. Start-up screens for pumps during construction. Replace with final strainer prior to TAB and commissioning.
- 5.4. Vacuum and wipe clean HVAC equipment interiors prior to startup and again following commissioning.
- 5.5. Temporary material and equipment required for leakage testing of ductwork systems.
- 5.6. Quality control documentation for mechanical systems including factory testing and factory certified start-up.

## 6. COMMISSIONING

- 6.1. Commissioning assistance.
- 6.2. Qualified personnel, including manufacturer technicians, to attend all commissioning meetings.
- 6.3. Qualified personnel, including manufacturer technicians, and equipment to complete pre-functional and functional testing and trending as directed by the commissioning agent.

## 7. SHEETMETAL

- 7.1. Mechanical louvers including flashing and caulking.
- 7.2. Equipment curbs, including leveling provisions, for roof-mounted equipment.
- 7.3. Fire, fire-smoke, smoke dampers, and associated actuators.
- 7.4. Install duct smoke and heat detectors furnished by others.

## 8. MECHANICAL PIPING

- 8.1. 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.

## 9. GENERAL MECHANICAL EQUIPMENT

- 9.1. Chemical feed systems including piping, valves, chemicals, tanks, metering pumps, calibration columns, and controllers. System shall be filled with chemicals at Substantial Completion.
- 9.2. Dust collection system including, but not limited to, ductwork, articulating arms, air scrubber, and all hangers and fasteners for a complete system.

## 10. CONTROLS AND MONITORING

- 10.1. Raceway, instrumentation, wiring and terminations for control and monitoring

- systems.
- 10.2. Programming of variable frequency drives (VFDs) and equipment controllers including communication and operation settings.
  - 10.3. Factory mounted controllers, instrumentation, and programming as required to meet the design sequence of operations for all packaged HVAC systems.
  - 10.4. Network cards and gateways to integrate packaged systems with control and monitoring system.
  - 10.5. Software, hardware, and labor as required for successful completion of test, adjust, and balance (TAB) scope.
  - 10.6. Interlock and control wiring and raceways as required by packaged equipment manufacturer to operate equipment independent of the building controls scope of work.
  - 10.7. Smoke purge controls system.
11. TESTING, ADJUSTING, AND BALANCING (TAB)
- 11.1. Independent testing, adjusting, and balancing.
  - 11.2. Pressure and temperature ports in locations required to facilitate successful TAB.
  - 11.3. Assist TAB provider during operation and testing of equipment.
  - 11.4. 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.
  - 11.5. Seal of insulation and jacketing that has been affected during the TAB process.
  - 11.6. Flush coils and strainers as required for successful TAB completion.
  - 11.7. 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 - ELECTRICAL**

### **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** - Including, but not limited to, Specification Section(s):

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

**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. ELECTRICAL
- 3.1. Lighting supports as required.
  - 3.2. Disconnects, starters, and variable frequency drives (VFDs) that are not identified as provided by others.
  - 3.3. 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.

3.4. 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.

3.5. 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.

3.6. Field adjustment of breaker and relay settings. Breaker setting values furnished by others.

#### 4. FIRE ALARM

4.1. Temporary wire for heat/smoke detection for temporary use of HVAC equipment. Temporary HVAC equipment detection device by others.

4.2. Fire alarm equipment and devices.

4.3. Raceways and supports for fire alarm system.

4.4. Raceway, wiring, and terminations of power circuits for all fire protection devices and controllers, including pre-action air compressors, nitrogen generators, and solenoid valves.

4.5. Control of fire/smoke and smoke dampers. Fire/smoke and smoke dampers furnished by others.

4.6. Furnish duct detectors to be installed by others.

4.7. Install fire-rated door hold-open release devices, contacts and wiring. Door hold opens furnished by others.

#### 5. SECURITY

5.1. Install power supplies and door position switches, furnished by others.

5.2. Wiring and terminations at door hardware.

5.3. Raceways through door frame and door.

#### 6. COMMISSIONING

6.1. Commissioning assistance.

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

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

6.4. Temporary load banks including temporary control power and labor for monitoring and operating temporary load banks during testing.

6.5. Fire watch during all load banking activities.

- 6.6. Flagging, signage, and barriers during all load banking and electrical testing activities.
- 6.7. 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.

## SCOPE OF WORK 31.20.00 - EARTHWORK AND SITE DEMO

### 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:

**EARTHWORK AND SITE DEMO** - Including, but not limited to, Specification Section(s):

|                 |   |
|-----------------|---|
| <b>02 41 00</b> | <b>Demolition</b>                               |
| <b>31 10 00</b> | <b>Site Clearing</b>                            |
| <b>31 22 00</b> | <b>Grading</b>                                  |
| <b>32 11 23</b> | <b>Aggregate Base Course</b>                    |
| <b>DIV 00</b>   | <b>Procurement and Contracting Requirements</b> |
| <b>DIV 01</b>   | <b>General Requirements</b>                     |

**This Work specifically includes, but is not limited to:**

1. GENERAL

- 1.1. Excavation is unclassified.
- 1.2. Locate existing utilities on the jobsite prior to the start of construction and maintain those utility markers while working on the site. Protect from damage existing utilities scheduled to remain and make repairs as needed if damage should occur. Submit as-built drawing of existing conditions for coordination and record purposes.
- 1.3. Stockpile and store materials for reuse onsite at a location directed by Contractor.
- 1.4. Spoils shall be hauled off site. Remove, haul-off, and properly dispose of any spoils, debris, excess material, and unsuitable material on a daily basis.
- 1.5. Water and/or lime as needed to obtain moisture content of soils, including, but not limited to, temporary taps, meters, and associated usage and other fees for construction water required to perform the Work.
- 1.6. Bench, layback, or shore excavations as required to perform the Work. Benching, layback, and shoring shall contemplate depth of foundation excavation to be performed by others when applicable.
- 1.7. Proof-roll existing and newly prepared earthwork conditions for visual review in order to determine the suitability of in place soils to receive additional fill work.
- 1.8. Place fill material under the direct supervision of the testing agency.
- 1.9. Remove and replace soils determined to be unsuitable by the testing agency.
- 1.10. Barricade and flag excavations as required.
- 1.11. Layout and survey work required for the Work from benchmarks and control points provided by others. Maintain benchmarks and control points throughout construction.

- 1.12. Provide deductive alternate pricing for Alternate No. 3 – Provide concrete paving in lieu of asphalt paving as indicated in the Contract Documents.

## 2. EARTHWORK

- 2.1. Selective demolition, clearing, and grubbing.
- 2.2. Remove existing pipes and utilities scheduled for removal and/or abandonment. Shut off, cap/plug, and reroute utilities to the extent required for performance of the Work. Adjust the elevation of the utilities to the proposed finish grade.
- 2.3. Strip, replace, and re-spread topsoil prior to landscaping operations at areas disturbed by the Work. Import additional topsoil as required. Topsoil shall be screened by rocks and debris larger than one inch (1") in diameter prior to re-spreading.
- 2.4. Suitable fill material to subgrade (+/- one tenth of one foot (1/10')).
- 2.5. Excavation, backfill, and fine grading for site concrete and asphalt elements, including, but not limited to, pavement, curb and gutter, sidewalks, and equipment pads.
- 2.6. Repair building pad after installation of foundations and underslab mechanical, electrical, and/or plumbing (MEP).
- 2.7. Granular base below slab on grade and paving.

## 3. SITE MAINTENANCE

- 3.1. Pumping, dewatering, and sediment control required to prevent standing water associated with either ground water or rainfall at locations where temporary excavations are unable to be gravity drained throughout every phase of the Work.
- 3.2. Temporary grading to maintain positive drainage of all areas throughout performance of the Work as required to prevent ponding water.
- 3.3. Protect existing landscaping, groundcover, hardscape, and other components scheduled to remain. Where existing conditions cannot be protected, repair to original condition after completion of the Work.
- 3.4. Temporary seeding at areas disturbed by construction.
- 3.5. Erosion control systems (including maintenance and removal when directed by Contractor) throughout the Project duration including after completion of the initial mass excavation Work. Provide regular site investigations initiated by rainfall events and continued maintenance throughout the entire Project duration. Submit documentation required to assist with obtaining the erosion control sediment plan and associated inspections.
- 3.6. Street sweeping of existing roadways adjacent to construction exits throughout the execution of this Work.
- 3.7. Dust control as required to eliminate dust created as a result of the Work.

### **The following work is excluded:**

1. Utility and MEP trenching.

- 2. Structural excavation.
- 3. Site utilities.
- 4. Storm drainage.

**Unit Prices:**

- 1. Rock excavation above and beyond extents required by this Scope of Work: \$ \_\_\_\_\_/CY
- 2. Removal of unsuitable soil and replacement with suitable soil from onsite: \$ \_\_\_\_\_/CY
- 3. Removal of unsuitable soil and replacement with suitable soil from off site: \$ \_\_\_\_\_/CY
- 4. Hauled in three inch (3") diameter crushed rock surface material for temporary roads and staging areas. Place, compact, and remove at end of Project. \$ \_\_\_\_\_/CY.
- 5. Installation and removal of silt fence above and beyond extents required by this Scope of Work. \$ \_\_\_\_\_/LF
- 6. Installation and removal of straw waddles above and beyond extents required by this Scope of Work. \$ \_\_\_\_\_/LF
- 7. Installation and removal of storm sewer inlet protection above and beyond extents required by this Scope of Work. \$ \_\_\_\_\_/Each
- 8. Import of topsoil: \$ \_\_\_\_\_/CY
- 9. Haul-off excess topsoil: \$ \_\_\_\_\_/CY

## SCOPE OF WORK 31.23.00 - STRUCTURAL EXCAVATION

### 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:

**STRUCTURAL EXCAVATION** - Including, but not limited to, Specification Section(s):

**DIV 00            Procurement and Contracting Requirements**

**DIV 01            General Requirements**

**This Work specifically includes, but is not limited to:**

#### 1. GENERAL

- 1.1. Excavation is unclassified.
- 1.2. Locate existing utilities on the jobsite prior to the start of construction and maintain those utility markers while working on the site. Protect from damage existing utilities scheduled to remain and make repairs as needed if damage should occur. Submit as-built drawing of existing conditions for coordination and record purposes.
- 1.3. Stockpile and store materials for reuse onsite at a location directed by Contractor.
- 1.4. Spoils shall be hauled off site. Remove, haul-off, and properly dispose of any spoils, debris, excess material, and unsuitable material on a daily basis.
- 1.5. Water and/or lime as needed to obtain moisture content of soils, including, but not limited to, temporary taps, meters, and associated usage and other fees for construction water required to perform the Work.
- 1.6. Bench, layback, or shore excavations as required to perform the Work. Benching, layback and shoring shall contemplate depth of foundation excavation to be performed by others when applicable.
- 1.7. Proof-roll existing and newly prepared earthwork conditions for visual review in order to determine the suitability of in place soils to receive additional fill work.
- 1.8. Place fill material under the direct supervision of the testing agency and/or soils engineer.
- 1.9. Remove and replace soils determined to be unsuitable by the testing agency and/or soils engineer.
- 1.10. Barricade and flag excavations as required.
- 1.11. Layout and survey work required for the Work from benchmarks and control points provided by others. Maintain benchmarks and control points throughout construction.

#### 2. SITE MAINTENANCE

- 2.1. Pumping, dewatering, and sediment control required to prevent standing water

associated with either ground water or rainfall at locations where temporary excavations are unable to be gravity drained throughout every phase of the Work.

- 2.2. Temporary grading to maintain positive drainage of all areas throughout performance of the Work as required to prevent ponding water.
  - 2.3. Protect existing landscaping, groundcover, hardscape, and other components scheduled to remain. Where existing conditions cannot be protected, repair to original condition after completion of the Work.
3. **STRUCTURAL EXCAVATION**
- 3.1. Structural excavation, backfill, and compaction of concrete foundation elements.
  - 3.2. Excavation for thickened and/or depressed slab sections where required.
  - 3.3. Drain tile pipe, fittings, bedding, filter fabric, filter sock, and backfill.
  - 3.4. Upon completion of installation of concrete foundation (including footings, columns, piers, and foundation walls) by others, backfill concrete foundation work. The Work includes suitable backfill material and soil compaction, including hand labor, to comply with density and moisture content testing as required.
  - 3.5. Foundations shall be neat excavated to within one tenth (+/-0.10) of a foot of bottom of proposed foundation elevation.
  - 3.6. Where the distance between the top of proposed foundation and top of proposed subgrade is equal to or exceeds two feet (2'), the structural excavation shall extend down to the bottom of footing and shall extend a minimum of three feet (3') beyond the horizontal edge of the proposed foundation to allow for installation/removal of concrete formwork.
  - 3.7. Coordinate excavation with others, including but not limited to the concrete trade(s), to ensure that the open excavation for each day will not exceed the amount of concrete that will be placed during that same day.
  - 3.8. Granular base below slab on grade and paving.

**The following work is excluded:**

1. Utility and MEP trenching.
2. Mass excavation and building pad preparation.
3. Site concrete and/or asphalt excavation.
4. Erosion control devices.
5. Dust control.

**Unit Prices:**

1. Rock excavation above and beyond extents required by this Scope of Work:  
\$ \_\_\_\_\_/CY
2. Removal of unsuitable soil and replacement with suitable soil from onsite:

\$ \_\_\_\_\_ /CY

3. Removal of unsuitable soil and replacement with suitable soil from off site:

\$ \_\_\_\_\_ /CY

## SCOPE OF WORK 32.12.00 - ASPHALT PAVING

### 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:

**ASPHALT PAVING** - Including, but not limited to, Specification Section(s):

|                 |   |
|-----------------|---|
| <b>32 12 16</b> | <b>Asphalt Paving</b>                           |
| <b>DIV 00</b>   | <b>Procurement and Contracting Requirements</b> |
| <b>DIV 01</b>   | <b>General Requirements</b>                     |

**This Work specifically includes, but is not limited to:**

1. GENERAL

- 1.1. Acceptance of subgrade prior to start of Work. No additional costs will be accepted due to insufficient subgrade.
- 1.2. Re-grading required to repair subgrades damaged by the Work of this Scope.

2. ASPHALT

- 2.1. Asphalt paving.
- 2.2. Necessary subgrade stabilization and fine grading.
- 2.3. Tack coat.
- 2.4. Paving/patching as required at utility connections in existing pavement.

**The following work is excluded:**

1. Aggregate base.
2. Grading not specifically included.
3. Site concrete.
4. Rip rap.
5. Site demolition.
6. Pavement markings.

## **SCOPE OF WORK 32.17.00 - PAVEMENT MARKINGS**

### **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:

**PAVEMENT MARKINGS** - Including, but not limited to, Specification sections:

|                 |   |
|-----------------|---|
| <b>32 17 23</b> | <b>Pavement Markings</b>                        |
| <b>DIV 00</b>   | <b>Procurement and Contracting Requirements</b> |
| <b>DIV 01</b>   | <b>General Requirements</b>                     |

**This Work specifically includes, but is not limited to:**

1. MARKINGS

- 1.1. Striping including but not limited to, parking spaces, handicap spaces, hatched areas, and curb painting.
- 1.2. Clean surfaces, including pressure washing, prior to striping activities.
- 1.3. Line striping and marking of standard parking and accessible parking stalls with handicap graphics.
- 1.4. Templates and stencils.
- 1.5. Barricade marked areas during installation and until the marking paint is dried and ready for traffic.

**The following work is excluded:**

1. Traffic signals.

## **SCOPE OF WORK 32.31.00 - FENCES AND GATES**

### **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:

**FENCES AND GATES** - Including, but not limited to, Specification sections:

**32 31 13**            **Staggered Aluminum Plank Screening**  
**DIV 00**            **Procurement and Contracting Requirements**  
**DIV 01**            **General Requirements**

**This Work specifically includes, but is not limited to:**

1. *FENCING AND GATES*

1.1. Aluminum screening, posts, and all associated hardware and accessories.

**The following work is excluded:**

1. Concrete.

## SCOPE OF WORK 32.90.00 - LANDSCAPING AND IRRIGATION

### 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:

**LANDSCAPING AND IRRIGATION** - Including, but not limited to, Specification Section(s):

|                 |   |
|-----------------|---|
| <b>32 84 23</b> | <b>Underground Sprinklers</b>                   |
| <b>32 92 19</b> | <b>Seeding</b>                                  |
| <b>32 94 88</b> | <b>Trees, Plants, and Ground Cover</b>          |
| <b>DIV 00</b>   | <b>Procurement and Contracting Requirements</b> |
| <b>DIV 01</b>   | <b>General Requirements</b>                     |

**This Work specifically includes, but is not limited to:**

1. IRRIGATION SYSTEM

- 1.1. Irrigation system including, but not limited to, irrigation meter, control wiring, piping and fittings, gaskets, zone controllers, automatic control and drain valves, manual valves, valve boxes, and sprinkler heads.
- 1.2. Controller systems and wireless sensors including wiring.
- 1.3. Sleeve layout drawing for site irrigation and coordination of sleeve installation. Furnish sleeves for installation by others.
- 1.4. Trenching, excavation, and backfill to install irrigation lines.

2. LANDSCAPING

- 2.1. Plant materials, including, but not limited to, trees, shrubs, and ground cover.
- 2.2. Rocks, boulders, mulch, fertilizer, soil conditioners, fabric, edging, and all other related landscaping items.
- 2.3. Seeding.
- 2.4. Watering and maintenance for permanent installations, including watering required for proper establishment of sod, seed, plants, trees, shrubs, and ground cover.
- 2.5. Tree staking, including any guy wires.
- 2.6. Removal of weeds, roots, plants, stones, clay lumps, and other extraneous material prior to sodding and planting.
- 2.7. Clean adjacent work and/or property to its original condition after completion of the Scope of Work.

**The following work is excluded:**

1. Installation of irrigation sleeves.

2. Backflow preventer.
3. Topsoil re-spread.
4. Electrical connections requiring a licensed electrician.
5. Plumbing connections requiring a licensed plumber.

## SCOPE OF WORK 33.00.00 - SITE UTILITIES

### 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:

**SITE UTILITIES** - Including, but not limited to, Specification Section(s):

|                 |   |
|-----------------|---|
| <b>31 23 33</b> | <b>Trenching &amp; Backfilling</b>              |
| <b>33 11 16</b> | <b>Site Water Utility Distribution Piping</b>   |
| <b>33 31 00</b> | <b>Sanitary Utility Sewerage Piping</b>         |
| <b>33 47 21</b> | <b>Storm Sewage System</b>                      |
| <b>DIV 00</b>   | <b>Procurement and Contracting Requirements</b> |
| <b>DIV 01</b>   | <b>General Requirements</b>                     |

**This Work specifically includes, but is not limited to:**

#### 1. GENERAL

- 1.1. Excavation is unclassified.
- 1.2. Locate existing utilities on the jobsite prior to the start of the Work and maintain those utility markers while working on the jobsite. Protect from damage existing utilities scheduled to remain and make repairs as needed if damage should occur. Submit as-built drawing of existing conditions for coordination and record purposes.
- 1.3. Spoils shall be hauled off site.
- 1.4. Traffic control (including all permits if required) for this Scope of Work. Reference site access plan for traffic control and lane closures provided by the Contractor (if any).
- 1.5. Erosion control as it relates to this Scope of Work.

#### 2. SITE UTILITIES

- 2.1. Utility service lines to within five feet (5'-0") of the building perimeter and capped for future continuation by others (except as noted). Mark and maintain above-ground capped lines.
- 2.2. Domestic water and fire water lines. Fire and water lines to be installed to flange inside the building to twelve inches (12") above finish floor for future continuation by others.
- 2.3. Trenching, gravel bedding, encasement, backfill, thrust blocks, and kickers. Compact backfill to meet design density.
- 2.4. Fire hydrant assemblies and remote fire department connections.
- 2.5. Precast concrete manholes and utility vaults.
- 2.6. Flush, clean, and test utility systems required to produce a complete, engineer-approved system.

- 2.7. Adjust manhole covers, including, but not limited to, covers, structure lids, and cleanout covers, to be at finish elevation of pavement, site concrete, and landscaping.

3. STORM DRAINAGE SYSTEMS

- 3.1. Storm sewers including trenching, gravel bedding, encasement (if required), and backfill. Compact backfill to meet design density.
- 3.2. Storm drainage system, including roof drain system tie-ins.
- 3.3. Rip rap.
- 3.4. Precast concrete structures, including curb inlets, area inlets, catch basins, and junction boxes.

**The following work is excluded:**

- 1. Rock excavation.
- 2. Perimeter foundation drain.
- 3. Underground mechanical and electrical utilities, including but not limited to, chilled water supply and return, high pressure steam, electrical lines, and telecommunication conduits and wires.

**Unit Prices:**

- 1. Site utility trenching above and beyond extents required by this Scope of Work:  
\$ \_\_\_\_\_/CY
- 2. Rock excavation above and beyond extents required by this Scope of Work:  
\$ \_\_\_\_\_/CY
- 3. Four foot (4'-0") diameter manholes: \$ \_\_\_\_\_/EA