**SECTION 011200 - MULTIPLE CONTRACT SUMMARY**

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

A. Section includes a summary of each contract, including responsibilities for coordination and temporary facilities and controls.
B. Specific requirements for Work of each contract are also indicated in individual Specification Sections and on Drawings.
C. The narrative description to follow is provided to assist the bidder in determining the various trade contracts/bid packages involved in the project. The term 'Contractor' and 'Prime Contractor' are used interchangeably throughout this document and have the same meaning.

1.03 INCLUDED SECTIONS PROVIDED BY CONSTRUCTION MANAGER

A. General Construction Building Permit – Excludes MEP
B. Material Testing and Inspection Services
C. Temporary Toilets
D. Dumpsters
E. Temporary Utility Usage Charges
F. Perimeter Job Site Fencing
G. Temporary Project Signage

1.04 EXLUDED SECTION BY CONSTRUCTION MANAGER

A. MEP Permits
B. Onsite Project Offices for Prime Contractors, utility hookups, or use charges
C. All material deliveries, handling, hoisting, and unloading
D. Copies of plans and specifications
E. Progress cleaning
F. All work corresponding and concrete and masonry winter conditions/protection i.e. concrete blankets, masonry tented structures, admixtures, etc.

2.01 COMMONS SCOPES OF WORK FOR ALL TRADES

A. This project is Sales Tax Exempt. Reference Supplemental General Conditions for details
B. All additional work must be approved in writing by the Project Manager. Project superintendent is limited to approval of $500 of additional work on an emergency basis only.
C. No additional work will be considered for approval without written and signed Construction Daily Extra Work Authorization sheets, detailing the scope of work and the materials,

labor and equipment used. Garmong's field superintendent must sign these forms **on a daily basis**; signed, completed sheets, including costs must be submitted to the Project Manager **on a weekly basis**.

D. The Contractor shall employ a competent Foreman who shall be onsite fulltime during the progression of work. This Foreman shall have full authority to manage project labor, manage equipment deliveries, and maintain the CM's project schedule. The full time Foreman shall be the point of contact for the field operations and shall attend weekly progress meetings. The Contractor shall provide the Foreman with an internet capable iPad or tablet for the duration of the project with access to Procore, email, etc. (reference section 012123 Web Based Project Management).

E. All Contractor's shall comply with the Storm Water Pollution Prevention Plan (SWPPP). Soil Erosion Control will be installed by BP#2. Any Contractor that damages or removes silt fence or any type of erosion control measure, for any reason including to perform work, is responsible to replace or repair it the same business day that it was damaged. Failure to do so same day will result in the immediate completion of this work by others, as directed by the CM, and all associated costs will be back-charged to the removing Contractor.

F. Keep all roads and traffic routes clean and free of mud and debris at all times. All Contractors are responsible for cleaning the streets of all mud and debris generated from their operations. Contractors violating this requirement are subject to fines.

G. Construction Manager will obtain the overall building permit. Each trade is responsible to include and obtain the permits and coordinate inspections for their own individual scope of work. All work shall be completed in accordance with applicable local, state, and federal codes, rules and regulations. Contractors are required to notify CM prior to and after all inspections.

H. Each trade is responsible for all layout and applicable engineering required to complete all work of their bid package to exact dimensions and locations including verification of preceding work performed by other trades prior to the Contractor's installation. Immediately report all discrepancies to CM.

I. The construction schedule requires multiple crews to complete work. Contractors must expect overlap between their work and other trades that will complete work before and after. "Out of sequence" work shall be expected and considered when submitting bids. Contractors shall include multiple mobilizations to complete the scope of work, and coordinate delivery schedules with the project schedule and construction sequencing. Schedule must be maintained. If overtime is required to maintain schedule, Contractor shall include overtime in proposal. The project target schedule follows this section.

J. Multiple mobilizations will be required for structure installation for all building structure trades including but not limited to the steel erector, cold formed truss installer, masonry contractor, concrete contractor, precast installer, etc.

K. Provide temporary power and additional lighting as necessary for proper installation during preparation and installation of work.

L. Provide proof of identification of existing utilities *(public or private)* to CM prior to start of underground and saw cutting.

M. Attendance at progress meetings is mandatory when a trade is mobilized to the site. Failure to attend, without prior notification, will result in a $100 deduct Change Oder.

N. Each Contractor is responsible to receive, unload, store, handle, protect, and install all items respective to their responsibilities

O. Each Contractor shall provide access panels for their scope of work.

P. Protect all other trades work in place and properly staged materials from damage of any kind which could be caused while performing any preparation or installation of their own work. Any cleaning, repair or additional costs, will be the responsibility of the Contractor causing or responsible for the damage.

Q. Sawcutting and grinding shall be accomplished using either vacuum-assisted or with wet methods to conform to OSHA requirements.

R. Contractors are responsible for the removal or demolition and replacement/rerouting of existing items and systems required to perform their Scope of Work regardless of specific inclusion in the Contract Documents.

S. Provide expansion compensation in all pipelines, conduit, ducts, etc., crossing building expansion joints at building column lines.

T. Review finish schedule and locate all exposed concrete floor finishes. Contractors must protect these areas from stains and other damage while performing their work. Clean or repair as necessary.

U. The CM is to be notified prior to any above ceiling work after ceiling tile installation. The Contractor performing work is responsible to remove and replace ceiling tile as required. All ceiling tile must be reinstalled at the end of the shift, unless approved by the CM. Contractor performing work will assume all responsibility for replacement of any damaged ceiling system.

V. All equipment placed on finished floors must have protective material underneath to protect the floor.

W. Repair to damaged roofing will be entirely at the risk of the responsible Contractor. If the damage cannot be definitively assigned, CM will unilaterally determine who the responsible parties are. All contractors are responsible for providing required supports for their equipment whether or not indicated on the drawings.

X. Clean up, removal, & disposal from site to dumpster of all debris, including sweeping of the work areas, shall be performed on a DAILY basis. All packing and shipping crates and boxes will be removed offsite within 48 hours.

Y. A composite crew consisting of one person from each trade contractor present on site shall provide a person for the composite cleaning crew. The composite crew will perform Project cleanup under the direction of the Construction Manager on a weekly basis, with a day and time dictated by the Construction Manager.

Z. Contractor shall include all necessary protection of their work until work is completed.

AA. Items of work may be shown on drawings and/or listed in the specifications of the Contract Documents. If any item of work is shown on either the drawings or specifications but not the other, it is included in the contract and the better quality or greater quantity of work shall be provided in accordance with the architect/engineer's instructions. No change order or extra to the contract will be allowed for any inconsistency when any item of work either is shown on the drawings/specifications regardless of the location in the drawings/specifications.

BB. Contractor must coordinate a meeting with the onsite superintendent to inspect all surfaces to receive materials, prior to commencement of work. Report in writing to the onsite superintendent, any condition that may potentially affect proper application. Do not commence until such defects have been corrected. **Commencement of work shall be construed, as acceptance** of the surfaces and therefore, the Contractor shall be fully responsible for satisfactory work as required herein. As such, after commencement of work Contractor cannot add changes orders to this contract.

CC. Coordinate all work with other Contractors to ensure other scopes of work don't affect this scope of work.

DD. It is recognized and understood by the Contractor at the time of contract award, that Contractor was selected for their expertise and knowledge of this specialized work and it was and is expected that the Contractor did and has included in their scope of work all items required to carry out the A/E's intent for a complete and functional system. The contract price will not be increased for any miscellaneous or incidental items required for the work to meet the intent of the Architect's design, the contract documents, plans, specifications and code requirements.

EE. The drawings are diagrammatic and may not be complete in every detail. They reflect the intent of the Architect/Engineer to provide for a complete working system in compliance with all applicable codes. Contractors shall include any other equipment or devices necessary to provide a complete, functioning system. Contractors shall include, as part of their work, the cost of re-routing, etc., due to the coordination procedure as part of their contract price.

FF. Contractors shall submit their proposals based on the Work included under each Bid Package as listed herein. Include Work necessary for a complete project, as shown on the Drawings and called for in the Specifications.

GG. Questions concerning the "Multiple Contract Summary" should be directed to the Construction Manager, who will be the interpreter and be responsible for this Schedule of Contract Responsibilities and Contract Breakdown, prior to submitting proposals and during construction.

HH. All Contractors shall be responsible for field verification of materials and equipment installed in the Work of other Contractors.

II. Certain Specification Sections describe Work to be performed under several contract areas. (Example: 079200, Joint Sealants). Provide Work of this nature as required for each contract area whether or not enumerated in the Schedule of Contract Responsibilities. The Contractor for each Bid Package shall be responsible for proper installation of sealant around and within his work. The Contractor who defines the joint (last Contractor there usually) shall be responsible for sealing the joint, if the Architect requires sealant to be installed after finish work is in-place, then the finish Contractor shall seal the joint. All joints at dissimilar material intersections shall be caulked.

JJ. All penetrations in rated partitions shall be sealed or firesafe in accordance with the Contract Documents by the Contractor making the penetration. Contractors shall coordinate this work so that ALL trade contractors utilize the same manufacturer and corresponding designs.

KK. The following bid packages are broken down by Specifications Section conforming to the CSI format. Each bid package also contains a statement of intent for a general description of the work included. The Contractor is responsible for work assigned and described as part of their contract category without regard for where it is indicated in the Contract Documents.

LL. The Drawings and Specifications as furnished for each of the Contracts is for the convenience of the Contractor in preparing a proposal for this Project. However, each Contractor is responsible to review the complete set of Drawings and Specifications to assure that Work required to be installed to complete their phase of the Work is included in their proposal. This "Multiple Contract Summary" is a definition of the work as it is to be bid in separate contracts. Where a specific item of Work is not de-

fined, but is normally inherent to a trade, or is included in the scope of the applicable technical section, it will be the responsibility of that Contractor to include the Work in his proposal.

MM. This "Multiple Contract Summary" is to aid each Contractor by defining the Scope of Work to be included in their proposal. However, an omission from this "Multiple Contract Summary" does not relieve the Contractor from including in their proposal that Work which will be required to complete their Contract. Each Contractor should read the "Multiple Contract Summary" completely to familiarize themselves with the Work of other Contractors that may have Work in adjacent areas and to coordinate the interfacing problems that may occur as the Work is assembled and constructed.

NN. Additional description of the work may be included in the specification sections listed.

OO. The Contractors shall keep all excavations free of standing water. Each Prime Contractor shall be responsible for pumping water or otherwise removing water from any excavation or low area created because of his work. Each Contractor is to take containment measures to prevent the run-off of surface water into excavations and the bonding of water on-site. Any damage or additional cost incurred as the result of standing water or its penetration of the soils shall be borne, by the Prime Contractor allowing/creating the situation where water accumulated.

PP. The Prime Contractors are responsible for coordinating their subcontractors. The Construction Manager and the Prime Contractors shall coordinate and schedule the work of the Prime Contracts. The Project Schedule attached to the end of this Specification Section is part of the Contract Documents. Each Prime Contractor will be required to meet the durations and dates shown in the schedule.

QQ. All Contractors are required to warranty their work for twelve (12) months from the date of Substantial Completion.

RR. Each Bid Package is responsible for the excavation, backfill and compaction of any underground work associated with their scope of work. This shall include the import and/or export of all materials including fills and spoils.

SS. It is anticipated that the subgrade on this project will be lime stabilized and topped with stone. All contractors shall take into account working with these conditions.

## 3.01 SPECIFIC SCOPES OF WORK FOR BID PACKAGES

**BID CATEGORY BP. NO. 1 GENERAL TRADES SCOPE OF WORK**

This Scope of Work is to include, but is not limited to, the following Specification Sections:

| Section | Description |
|---|---|
| Division 00 | Procurement and Contracting Requirements |
| Division 01 | General Requirements |
| 03 10 00 | CONCRETE FORMING AND ACCESSORIES |
| 03 20 00 | CONCRETE REINFORCING |
| 03 30 00 | CAST-IN-PLACE CONCRETE |
| 03 41 00 | PRECAST STRUCTURAL CONCRETE |
| 03 41 30 | PRECACT PRESTRESSED HOLLOWCORE SLAB UNITS **Added per Addendum #3** |
| 05 05 53 | SECURITY METAL FASTENINGS |
| 05 12 00 | STRUCTURAL STEEL FRAMING |
| 05 31 00 | STEEL DECKING |
| 05 40 00 | COLD-FORMED METAL FRAMING |
| 05 44 00 | COLD-FORMED MTEAL TRUSSES |
| 05 50 00 | METAL FABRICATIONS |
| **05 75 00** | DECORATIVE FORMED METAL **Revised per Addendum #3** |
| 06 10 53 | MISCELLANEOUS ROUGH CARPENTRY |
| 06 16 00 | SHEATHING |
| 07 21 00 | THERMAL INSULATION |
| 07 21 19 | FOAMED-IN-PLACE INSULATION |
| 07 24 19 | WATER DRAINAGE EXTERIOR INSULATION AND FINISH SYSTEM (EIFS) |
| 07 25 00 | WEATHER BARRIERS |
| 07 26 00 | VAPOR RETARDERS |
| 07 81 00 | APPLIED FIREPROOFING |
| 07 81 23 | INTUMESCENT FIREPROOFING |
| 07 84 13 | PENETRATION FIRESTOPPING |
| 07 84 43 | JOINT FIRESTOPPING |
| 07 92 00 | JOINT SEALANTS |
| 07 95 00 | EXPANSION CONTROL |
| 08 11 13 | HOLLOW METAL DOORS AND FRAMES |
| 08 14 16 | FLUSH WOOD DOORS |
| 08 31 13 | ACCESS DOORS AND FRAMES |
| 08 31 19 | SECURITY ACCESS DOORS AND FRAMES |
| 08 33 23 | OVERHEAD COILING DOORS |
| 08 34 63 | DETENTION DOORS AND FRAMES |
| 08 36 13 | SECTIONAL DOORS |
| 08 41 13 | ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS |
| 08 45 23 | FIBERGLASS SANDWICH-PANEL ASSEMBLIES |
| 08 56 63 | DETENTION WINDOWS |
| 08 71 00 | DOOR HARDWARE |
| 08 71 63 | DETENTION DOOR HARDWARE |

| | |
|---|---|
| 08 80 00 | GLAZING |
| 08 84 13 | DECORATIVE POLYMER FABRICATIONS |
| 08 91 19 | FIXED LOUVERS |
| 09 22 16 | NON-STRUCTURAL METAL FRAMING |
| 09 25 13 | ACRYLIC SKIM COAT PLASTERING |
| 09 29 00 | GYPSUM BOARD |
| 09 30 00 | TILING |
| 09 51 13 | ACOUSTICAL PANEL CEILINGS |
| 09 57 53 | SECURITY CEILING ASSEMBLIES |
| 09 65 13 | RESILIENT BASE AND ACCESSORIES |
| 09 65 19 | RESILIENT TILE FLOORING |
| 09 67 23 | RESINOUS FLOORING |
| 09 67 25 | SEAMLESS SHOWER COATINGS |
| 09 68 13 | TILE CARPETING |
| 09 78 63 | SAFETY PADDING |
| 09 84 10 | FIXED SOUND ABSORBING PANELS |
| 10 11 00 | VISUAL DISPLAY UNITS |
| 10 14 16 | PLAQUES |
| 10 14 19 | DIMENSIONAL LETTER SIGNAGE |
| 10 14 23 | SIGNS |
| 10 14 26 | POST AND PANEL PYLON SIGNAGE |
| 10 18 00 | ELECTRONIC WINDOW FILM |
| 10 21 13.17 | PHENOLIC CORE TOILET COMPARTMENTS |
| 10 26 00 | WALL AND DOOR PROTECTION |
| 10 28 00 | TOILET AND BATH ACCESSORIES |
| 10 44 13 | FIRE EXTINGUISHER CABINETS |
| 10 44 16 | FIRE EXTINGUISHERS |
| 10 51 13 | METAL LOCKERS |
| 10 51 14 | EVIDENCE LOCKERS |
| 10 56 26 | MOBILE STORAGE SHELVING |
| ~~10 57 00~~ | ~~RAPID ENTRY LOCKBOX~~ **Added per Addendum #2** |
| 10 73 70 | ALUMINUM CANOPIES |
| 10 75 00 | FLAGPOLES |
| 11 12 00 | PARKING CONTROL EQUIPMENT |
| 11 23 00 | LAUNDRY EQUIPMENT |
| 12 21 13 | HORIZONTAL LOUVER BLINDS |
| 12 32 16 | MANUFACTURED PLASTIC-LAMINATE-FACED CASEWORK |
| 12 36 16 | METAL COUNTERTOPS |
| 12 36 61 | SOLID SURFACING COUNTERTOPS AND WINDOW SILLS |
| 12 93 00 | SITE FURNISHINGS |
| 31 23 19 | DEWATERING |
| 31 50 00 | EXCAVATION SUPPORT AND PROTECTION |

| | |
|---|---|
| 32 13 13 | CONCRETE PAVING |
| 32 13 73 | CONCRETE PAVING JOINT SEALANTS |
| 32 31 13 | CHAIN LINK FENCES AND GATES |
| 32 91 13 | SOIL PREPARATION |
| 32 92 00 | TURF AND GRASSES |
| 32 93 00 | PLANTS |

This Bid Category Scope of Work describes and assigns Work to this Bid Category as designated by the Construction Manager. Each Contractor shall cooperate and coordinate with all other Bid Category Contractors for proper and expedient completion of the Work in this Project. This summary should in no way be construed as being all inclusive. It is issued as a guide to aid in the assignment of Work and is intended to clarify and/or further define the Scope of Work included in the Bid Documents. They shall not be construed as the entire Scope of Work for this Bid Category. All work described or indicated in the respective Specifications Sections or Divisions listed above shall be included, except as specifically excluded herein.

A. General items to be included in this scope of work
   1. Provide all surveying and layout required to complete the work of this category. This shall include providing control layout points/lines for all other trades.
   2. Include in this scope of work a Construction Allowance of $90,000 to be utilized as directed by the Construction Manager.
   3. Provide a telescoping boom fork truck lift on site starting with the commencement of concrete foundations and continuing until project completion as directed by CM. The forklift is intended for general site usage (deliveries, group clean-ups, miscellaneous material laydown organization). Individuals using the lift will be responsible for providing their own operator.
   4. Provide the final clean for the entire project. This shall include all sweeping, vacuuming, dusting, waxing of floors, glass cleaning (inside and outside), cell cleaning, cleaning of showers, toilets, furniture, inside and outside of cabinets, walls moldings, etc. for complete clean of the entire project.
   5. Provide and install temporary stairs to access the Mezzanine level until such time as permanent stairs are installed.

B. Division 3 Concrete
   1. Provide and install all concrete required for the project. This shall include all labor, materials, equipment, and supervision necessary to install a complete concrete package inclusive of building and site concrete. This work shall include, but not limited to, the following:
   2. Provide all surveying and layout required to complete the work of this category. This includes the establishment of a benchmark and control on site.
   3. All dewatering as required for the performance of this bid package.
   4. Form, place, and finish all concrete footings, foundation walls, stoop turndowns, frost walls, column pads, retaining walls, and piers including all associated reinforcing steel as indicated or required. Provide all dowels required to anchor masonry walls to allow for lap lengths specified. Note vertical reinforcing requirements at security walls. Provide and maintain rebar caps on all dowels until fully embedded in masonry.
   5. Form, place and finish all interior and exterior concrete slabs, slabs on deck, precast

concrete topping slabs, concrete stoops/turndowns, recessed slabs and thickened slabs including all vapor barriers, expansion joint material, bond breaker material, control joints, associated dowels, wire mesh, and all other steel reinforcing. Assure curing method selected is compatible with floor finishes specified and provide complete coordination with all floor finishes. FF/FL testing within 24 hours after finishing is to be provided by this contractor. Provide bonding agent between precast concrete plank and topping slabs. This contractor shall be responsible for preparing substrate to receive concrete (examples include vacuuming, sweeping, cleaning, or drying precast or metal substrate.) Recess concrete floor slabs at all tile locations to allow tile to flush out with adjacent flooring.

6. Include shoring and formwork and reinforcing for elevated concrete slabs. Coordinate this work with the Masonry Contractor.
7. Provide and install all excavation, backfill, compaction and grading required for the work of this bid package. This includes all granular base fill and fine grading. Except as otherwise noted. Provide granular base fill under building slabs to within +/- one tenth of a foot of subgrade elevation. BP #2 Excavation Contractor responsible for installing building pad. **Revised per Addendum #3**
8. ~~BP #2 Excavation Contractor responsible for installing building slab subgrade, providing and installing building slab granular drainage course, and providing fine grading granular drainage course material only. BP #1 General Trades Contractor to perform fine grading building slab.~~ **Deleted per Addendum #3**
9. Excess spoils from concrete excavations to be hauled off the site by this contractor.
10. Provide all miscellaneous cast in place concrete items such as benches, beds, wall caps, concrete shower curbs, locker bases, etc.
11. Provide and install all hooked dowels at precast concrete.
12. Coordinate installation of all concrete wall/slab/grade beam penetrations with Earthwork, HVAC, Plumbing, Fire Protection, Security Electronics, and Electrical Contractors. Sleeves for penetrations will be furnished and laid out by others for installation in formwork by this contractor.
13. Provide all water stop, chamfers, and other concrete accessories as indicated, specified, or required for completion of this category.
14. Provide positive drainage on all floors with floors drains and provide slope from room perimeter where indicated. Coordinate with flooring trades and plumbing contractor.
15. Contractor will be responsible for removing and replacing any new concrete that is deemed to not meet the contract documents through independent testing as well as any concrete that fails due to improper protection from weather conditions.
16. Form, place and finish all exterior mechanical and electrical equipment pads (Generator and Chiller pads). Coordinate the work for the proper size and layout of the pads with the Mechanical & Electrical Contractors. All interior concrete equipment pads shall be installed by the Contractor associated with that work.
17. Provide all temporary weather general conditions associated with completion of this scope of work including snow removal within the building footprint, ground thawing, and all cold and hot weather concrete procedures and protection as well as rain protection.
18. Dewatering and mucking of excavations shall be the responsibility of this Contractor.
19. Layout and set all anchor bolts provided by Structural Steel Contractor. Grout all base plates after columns are set and elevations are finalized by Structural Steel Contractor.

Provide asphalt-mastic paint on portions of columns below grade according to structural details.

20. Finish all concrete slabs to the required finish standards. This shall include meeting all levelness and flatness criteria and installing required sealers.
21. Include all hoisting and placement equipment necessary to install all concrete.
22. All under slab vapor barrier shall be included.
23. All precautions (blankets, admixtures, heat, etc.) for cold weather concrete according to ACI and/or industry practice shall be included.
24. Installation of all embedded plates, angles and other misc. steel shall be included. Embeds are provided by others.
25. Install all steel embeds at concrete mezzanines provided by others.
26. All exposed concrete shall be rub finished
27. Provide all concrete for pan fill stair treads and landings. This work will be completed as soon as possible as stairwells become erected. Provide all interior and exterior cast in place concrete stair systems complete.
28. Provide all site concrete and associated reinforcement as indicated per the documents. Site concrete includes, but not limited to all concrete paving, sidewalks, curb & gutter, mow strips, maintenance strips, screen walls, security walls; security bollards, signs and sign bases, stoops, curbs, pads, ramps, approaches flagpole bases, etc. Provide concrete encasement for bollards, pedestals, signage, etc. Provide all steel bollards for this work and install. Provide barrier free textured warning surfaces at ADA ramps where indicated.
29. Where building concrete is to remain exposed patch if needed to provide a uniform surface suitable for finished materials.
30. Provide recessed insulated floor system under walk-in cooler/freezer.
31. Concrete wash out area will be created and maintained by this contractor.
32. Provide and install all granular fill at cast-in-place benches. Reference detail 14/S-531 as an example.
33. Provide and install all concrete curbs at openings in precast planks.
34. Provide and install all sealed concrete.

C. Precast Concrete & Prestessed Hollow Core Slabs

1. Provide and install/erect all precast structural concrete and precast prestressed hollow core concrete. Include engineering, fabrication, shipment, delivery, equipment, grouting and all misc. steel required as part of a complete engineered system. Provide all reinforcing integral to precast. Provide all steel embeds for attachment of other building systems. Provide embeds for attachment of cold formed metal truss systems. Carefully review architectural and structural drawings for locations where embeds are required. Specifically note embeds associated with mezzanine, stair attachments, and steel pour stops. All reinforcing between precast and masonry above is to be provided by the contractor of this bid category.
2. Provide all engineering and design as required by the contract documents. Coordinate drawings with all other contractors for proper opening sizes and locations.
3. Accommodate all openings, structural elements, temporary access, etc. needed or required for the construction of this project.
4. Include knockout panels to allow access of all prefabricated cell units. Cell units are assumed to be double stacked in height. Coordinate this work with the Bid Package #7 DEC

contractor for proper opening size and locations. This is assumed to occur in three (3) locations.

5. Coordinate all work with the Steel and Masonry Contractors to ensure proper bearing and locations for all work.
6. Provide all bearing pads for installation by others. This shall include detailed drawings indicating all embed locations.
7. Provide all miscellaneous precast accessories necessary to complete this scope of work including, but not limited to all bond break material, bearing pads, and slip pads, shims, hangers, clips, anchors, etc.
8. Prior to site mobilization, coordinate the installation of all work with the Construction Manager and other onsite contractors. Installation of precast will need to be coordinated with the Steel and Masonry contractors for proper installation of all work by each trade.
9. Provide and install all reinforcing extending from precast panels and/or hollow core planks. This shall include all reinforcing at knockouts of hollow core planks and the grouting in place of all reinforcing.
10. Provide all embeds for precast concrete and hollow core slabs at masonry and cast-in-place concrete for installation by others. Provide layout drawings for proper installation and location of each embed.
11. Provide and install all steel embeds in precast units for bearing of other work. This would include, but not limited to, embeds for structural steel, miscellaneous steel, metal joist, metal decking, stairs, etc.
12. At beam and/or joist pockets, construct the pocket large enough for the proper installation/welding of the support member.
13. Weld precast embeds to support steel where applicable.
14. Grout all gaps, keyways, cracks, voids, plank cores, and lifting openings as shown and as required for a complete system. Provide and remove all temporary grout stops and patch holes made by grout stops and/or remove excess spray foam to prepare for subsequent finishes.
15. Assume multiple mobilizations may be required due to differing areas of construction and coordination between trades.
16. Provide, install and remove all temporary bracing required for the proper installation of this work. All bracing shall be installed to fully support this work until such time as the remaining structure is complete. **Engineer precast bracing such that this work does not delay underground utilities and concrete slab pours. Engineer precast wall system to remove bracing once precast erection is complete.** This includes providing, installing and removing any/all deadmen required for proper bracing. Following final connections, all shoring and bracing and deadmen shall be removed and any holes or damaged surfaces shall be repaired to match the surrounding finish. Fill deadmen holes with suitable backfill in accordance with specifications. Coordinate all shoring installations to not inhibit the erection of precast concrete, structural steel or masonry walls. Coordinate all deadmen locations with underground MEP utility contractors.
17. Provide for any MEP rough-in in precast plank cores. Coordinate locations to leave cores open for rough-ins. Notch planks in the field during installation where rough-ins will extend beyond top of masonry walls at bearing locations.
18. Provide field verification prior to mobilization of all bearing wall locations, elevations, and conditions. Immediately notify CM of any unacceptable conditions.
19. Provide OSHA compliant hole covers for all openings in precast 2" and bigger and leave

covers in place after each erection sequence. Hole covers will be maintained and removed by others.

20. Design additional capacity to support masonry as indicated on the structural framing details.
21. Provide field patching of all exposed precast surfaces. Include multiple mobilizations to provide field patching in addition to precast erection mobilizations required per this scope of work.
22. Provide winter conditions associated with erection of precast during the winter including heating substrate, snow and ice removal from bearing walls, and heating grout as well as all other winter conditions necessary.
23. This contractor will be responsible for providing temporary fall protection guard rails around the entire perimeter of all areas of precast concrete plank. Install temporary fall protection immediately after erection sequence to make safe for subsequent trades to avoid the need for tie-off. Fall protection is to comply with OSHA requirements. Provide removable sections to allow for movement of materials and removal of trash and debris to precast levels. Remove temporary fall protection when directed by CM and patch exposed substrate to prepare for finishes.
24. ~~Provide and install all thin brick associated with the precast concrete panels~~. **Deleted per Addendum #2**
25. Provide and install all precast wall caps.

D. Exterior

1. Provide and install all landscaping as indicated by the contract documents. This shall include all labor, materials, equipment, and supervision for a complete and professional landscape installation.
2. This contractor to haul off spoils generated by this work as necessary.
3. This work shall include all seeding, mulch, plants, trees, bushes, flowers, site amenities, benches, trashcans, etc.
4. All topsoil shall be tested for soil nutrient characteristics and amended for the intended plant growth.
5. Provide and install all grass pavers. This shall include all stone subgrade, pavers, sand, etc. for a complete system.
6. Install and maintain all erosion control measures necessary to ensure proper growth of grass and eliminate soil erosion. Remove these protections upon establishment of seed growth. Provide all monitoring and written reports for this erosion control as required by Authorities Having Jurisdiction.
7. Include watering of plantings until establishment.
8. Provide and install all chain link fencing, site fencing, security fencing, decorative metal security fencing, gates, chain link overhead security barriers and barbed tape including all chain link fence fabric fence framing, tension wire, barbed wire, grout, concrete, fence grounding, fittings, and hardware complete. Provide all mow strips along security fencing as indicated on fencing details sheet C105.
9. Provide and install all authorized traffic gates. Provide layout and coordination of gate system with other trades.
10. Provide and install all security bollards and associate work including all concrete & excavation work.
11. Provide and install the louvered screen panel system alternate.
12. Provide and install all outdoor furniture. This includes the tables, chairs, benches, etc.

E. Division 5 Work
   1. Provide and install a complete cold formed metal truss package, delegated design, erection, and temporary and permanent bracing of roof trusses. Coordinate this work with precast panel supplier. Provide and install all fasteners and connections at all load bearing connections and all other connections. Provide and coordinate openings for all utilities, supports and connections for roofing system, provide all cutting and bracing of truss system as necessary for other trades. Provide all truss blocking.
   2. CF trusses to be braced at ALL times.
   3. Provide and install a complete cold formed framing package, delegated design, erection, and temporary and permanent bracing of walls, ceilings, soffits, skylight curbs, etc.. Coordinate this work with other trades. Provide and install all fasteners and connections at all load bearing connections and all other connections. Provide and coordinate openings for all utilities, supports and connections. Provide all cutting and bracing of cold formed framing as necessary for other trades. Provide all cold formed blocking.
   4. This contractor to provide all gauge steel material.
   5. Provide and install exterior decorative metal brackets.
   6. Provide and install all required fasteners, clips, brackets, splices, etc. necessary to fasten all cold-formed systems to the structure.
   7. Metal Roof Deck supplied and installed by BP #1 contractor. BP #4 contractor to provide and install all Composite Floor Deck.

F. Division 6 Work
   1. Provide and install all building expansion joints. Roof expansion joints will be provided and installed by the roofing Contractor.
   2. Provide interior trim and shelving including clothes rods, blocking, anchors, adhesives, joint sealants, putty, and accessories as indicated and required for a complete system. Provide prefinished hardware where indicated; include wire shelving if shown.
   3. Provide and install all access flooring. Provide all cutouts for grilles, equipment and furniture that may be required.
   4. Provide and install all access panels, related to this Contractor's work, required to access concealed items as required for Code but not shown on Drawings.
   5. Other Contractors shall furnish access panels for access to their work. This Contractor is responsible for the complete installation of these access panels into partitions and walls constructed by this Contractor.
   6. Provide and install all wood blocking, wood sheathing, plywood, nailers, etc. required for the project.
   7. Contractor shall provide and install all blocking, bracing and/or backing required to adequately support all wall hung fixtures and equipment (cabinets, lab casework, furniture, toilet accessories, tack boards, handrails, fire extinguisher cabinets etc.) specified on the contract documents. Comply with stud manufacturers recommendations and industry standards in each case considering weight or load resulting from item supported. This Contractor will meet with each related Contractor and the Construction Manager to coordinate blocking and backing work.
   8. All blocking materials shall properly support the products being fastened to them.
   9. Contractor shall supply to Garmong coordinated blocking drawings indicating all in-wall blocking required for anchoring the work. However, this shall in no way relieve the

Contractor of its responsibility to properly secure the work of this scope.

10. Contractor shall furnish and install all fasteners, anchors, and miscellaneous accessories as required for the complete installation of the work of this scope.
11. Provide and install all wood blocking at the roof. Coordinate blocking depth with Roofing Contractor for proper depth and anchorage requirements.
12. Include plywood backboards for equipment. All plywood shall be smooth finish and painted black prior to equipment install.
13. Include any reinforcing for doors & frames.
14. Include all blocking at exterior openings in the building.
15. This contractor shall provide and install all exterior wall insulation. This shall include, but not limited to, all ridged board insulation, batt insulation, foam spray insulation, foamed-in place insulation, etc.
16. This contractor to provide and install all weather barriers, building wrap.
17. Furnish and install all temporary and permanent cross bracing, wind bracing, and misc. bracing as required.
18. Contractor agrees to furnish all scaffolding, associated rigging, hoisting (crane), unloading, handling, unpacking, and services necessary for erection and delivery into the premises of all necessary equipment and apparatus. Contractor agrees to remove it from premises when no longer required for the performance of this work required to perform the work of this Subcontract is included.
19. Contractor agrees to furnish all scaffolding, hoisting, lifts etc. to access work within skylight shafts.

G. Division 7 Work

1. This contractor responsible for waterproofing, weather barriers, perimeter insulation, EIFS, vapor retarders, fireproofing, intumescent fireproofing, firestopping, preformed joint seals, and sealant per the Contract Documents.
2. Provide all reinforcing, mesh, surface preparation, etc. necessary for the proper adhesion of all fireproofing materials to the surfaces and/or structures they are being applied to.
3. Fire Protection Contractor, Mechanical Contractor, and Electrical Contractor are responsible for firestopping wall penetrations in rated walls and smoke tight partitions. General Trades Contractor is responsible for the perimeter or all rated walls and smoke tight partitions.
4. Prepping of substrates for application of fireproofing. Contractor shall notify Garmong in writing prior to application of fireproofing of any surface that is not acceptable. Start of work shall be acceptance of surfaces by this Contractor.
5. Provide and install all sealants as indicated or required herein. This shall include but not limited to the following:
   a. Precast joints
   b. Masonry control joints
   c. Casework and millwork including countertops, backsplashes and trims to themselves or dissimilar materials.
   d. Security caulking
   e. Wall to floor caulking
   f. EIFS control joints
   g. Door frames (walls and floor).
   h. Caulking of all storefronts is included in this scope of work. This includes all interior and

exterior caulking including floors.

i. Expansion joint caulking
j. Control joint caulking
k. Sidewalk joints
l. Caulking of plumbing fixtures
m. Caulking of tile to countertops
n. Caulking of lab casework.
o. Plumbing fixtures
p. Site concrete paving

6. All sealants to match adjacent surfaces.
7. Contractor shall furnish and install all acoustical sealants required.
8. Provide and install a complete aluminum column cover system, blocking, fasteners, etc. Coordinate with other trades and building materials.
9. Provide and install bent metal flashings at exterior windows as referenced in, but not limited to, drawing detail 1B/A7.1.

H. Division 8 Work

1. Provide all non-detention hollow metal doors and frames including all anchors, glazing, and accessories. Any frames not on site in time for masonry will be left open and this category will pay mason's premium to tooth-in frame. The Masonry Contractor will grout frames.
2. Provide installation only of all Security access doors and frames. Security doors will be furnished by the detention equipment contractor.
3. Provide all flush wood doors complete where indicated including all glazing and accessories. Provide protection to cover wood doors after installation.
4. Provide door position indicator device compatible with security electronics system. Provide complete engineered system that meets performance criteria from the contract documents.
5. Coordinate electrified controls with DEC and Electrical Contractors prior to ordering doors to ensure proper operation with electrical and security electronics systems.
6. Provide all non-detention door hardware in openings provided as part of this bid category as well as all non-detention door hardware in security openings. Refer to all pages of the contract drawings for locations of automatic door operators and push pads provided as part of this scope of work (specifically electrical drawings). Electrified non-detention hardware is to be wired and terminated by the Electrical Contractor. Provide construction keying in exterior non-detention door openings. Provide all permanent keying in non-detention door openings provided as part of this scope of work coordinated with owner, CM, Architect, and lock supplier. Provide all key controls including key management system, key cabinet, and fire department lock box.
7. Include all hoisting and transportation for the delivery and installation of doors, frames and hardware
8. Contractor shall install all hollow metal frames under this scope. Care should be taken to insure that frames are installed in a true, level, square and plumb fashion. This Contractor shall remove hollow metal frame spreaders.
9. Ensure all frames are true, level, square and plumb following framing and drywall activities. Any repairs will be made by this Contractor
10. Install all Doors and Door Hardware complete and ready for operation. All access door hardware will be supplied and installed by this Contractor. This work shall be coordinated

with the Electrical Contractor to interface with the security systems.

11. All required final hardware adjustments and punching out of the work as required for a properly functioning system at the time of Substantial Completion and Owner acceptance is included.
12. Contractor shall be responsible for protection of all hardware and wood doors until installed and accepted by the Construction Manager. Removal of shipping protection materials and depositing in the job site dumpsters is included in this scope of work.
13. Coordinate keying and installation of cores with the Owner and Garmong. Contractor will install all cores as per their direction.
14. Provide any/all access doors indicated on the reflected ceiling drawings. All access doors not shown but required for Mechanical, Plumbing or Electrical access will be provided and installed by the Contractor requiring the access door
15. Install only all detention door frames, tear gas ports, chase doors and security access doors furnished by Detention Equipment Contractor. DEC will provide on-site training before beginning this work. General Trades contractor is to receive, unload, inspect, maintain inventory, and protect detention frames prior to installation. Frames are to be delivered prior to the start of above grade masonry and stored by the General Trades Contractor until installed. Where frames are delivered in sections due to shipping limitations or where detention frames are to be installed tight to other frames and structural steel, this contractor will be responsible for welding frames together and installation of Bondo to provide a seamless installation. Coordinate with DSC. Frames will be grouted by the Masonry Contractor. The General Trades contractor will be required to Bondo over grout holes where required to grout frames under steel framing.
16. All non-detention doors and frames identified to receive detention glazing are to be provided with 1-1/4" glazing stops and rabbits that provide 1" of bite on detention glazing to maintain the warranty from the detention glazing manufacturer.
17. At non detention openings provided as part of this scope of work, provide all wiring pigtails within door panels.
18. Provide and maintain in base bid (4) temporary doors and framing for construction access into the building through the exterior skin of the building, approximately 12'x12'. Remove these doors and framing as directed by the CM.
19. Provide and install all Aluminum Framed Entrances and Storefront, Aluminum Curtain Walls, labor, material, equipment, supervision and services required for complete and operational, Glass & Aluminum Windows, Doors, Storefront, Fiberglass Sandwich Panel Assemblies and Glazing work, including but not limited to:
    a. Provide all aluminum entrances and storefront systems. This shall include all interior and exterior aluminum systems.
    b. Provide all aluminum headers, soffits, closures, and extensions of material within plane of window/storefront systems to close building envelope.
    c. Automatic entrances as indicated. This includes automatic door operators and sliding doors.
    d. Flashings, sill trim, weeps, etc. – All assemblies as required ensuring performance against water infiltration in accordance and in coordination with exterior wall consultant's recommendations.
    e. Provide and install all glass. This shall include all vision, mirrors, decorative, spandrel, interior and exterior glass.
    f. All skylights with fiberglass sandwich-panel assemblies

20. Provide temporary protection of window, glazing, frames, doors, and storefronts.
21. This Contractor shall remove all dirt, grease, stickers, glue, and markings when directed by the Garmong project superintendent prior to turnover.
22. All glass and glazing including glazing of wood and hollow metal doors, frames and windows is included in this scope. This includes filling nail holes in wood door stops.
23. Provide finish of aluminum as specified, including powdered coating systems.
24. Provide and install all door hardware as specified in the contract documents.
25. Contractor shall reinforce all door and frame components as required to receive and support the hardware application as specified.
26. Coordinate and assist with install of all electronic systems.
27. Contractor shall be responsible for providing any and all additional supports not shown on the drawings to meet requirements of the work.
28. It is the responsibility of this Contractor to coordinate all rough openings with other trades.
29. Shop drawings will show opening dimensions for preparation by the other trades. This Contractor shall include a system to accommodate the standard industry tolerances for these abutting trades.
30. Provide and install all overhead coiling doors and all sectional doors including manual and electric door operators.
31. Provide and install all electrical terminations to the equipment for overhead and sectional doors. This Contractor will be responsible for providing and installing all low voltage wiring and switches.
32. Coordinate work with Electrical Contractor for proper installations.
33. Contractor shall coordinate door opening sizes and verify opening size and equipment clearance requirements. Modifications to the structure due to incorrect clearance requirements shall be this Contractor's responsibility.

I. Division 9 Work
   1. General
      a) Provide and install complete metal stud framing, drywall, insulation, tape and finish, acoustical ceiling, security ceiling, flooring, wall tile, resinous flooring package.
      b) Contractor shall stencil and identify all fire rated and smoke partitions as required.
      c) Contractor will not be allowed to clean tools and equipment in permanent plumbing fixtures.
      d)
   2. Framing
      a) Provide and install a complete light gauge metal stud framing package including necessary temporary and permanent bracing. Provide coordination with the work of other trades and specifically participate in the ongoing coordination of MEP trades. Provide and install all fasteners and connections. Provide and coordinate openings for all utilities, supports and connections for other tradss.
   3. Drywall & Insulation
      a) Coordinate penetrations in drywall with appropriate trades. Ensure that drywall is cut ¼" to ½" between through wall penetrations. Seal joint with acoustical sealant as required. All penetrations shall be constructed in accordance with UL and NFPA requirements.

b) Provide cut outs necessary for framing at all electrical outlets, switches, HVAC, fire sprinkler and plumbing openings and all other trades where required. Verify height with plans, specifications, codes.

4. Tape & Finish
   a) Contractor shall protect storefront, hollow metal work, aluminum work, glass etc. as required to prevent damage by Contractor's work.
   b) Floors shall be scraped clean of drywall mud daily.
   c) In the interest of a quality finished product and appearance, Garmong, along with the painting Contractor and this Contractor, will inspect all wallboard for surface defects after prime painting. This Contractor will perform any patching of drywall for corrections required. The painting Contractor will perform any associated repriming work. This work, both by the painting Contractor and this Contractor, shall be completed prior to the application of the finish coats of paint at no additional cost.
   d) All drywall is to be finished to the floor to allow for the proper installation of base.
5. Ceilings
   a) Provide and install complete suspended ceiling systems including the following types. Contractor to include grid, tile, suspension, etc. for a complete ceiling system.
      i) ACP-1 – Suspended Acoustical Panel Ceiling System
      ii) ACP-2 – Tectum Panel Ceiling System
      iii) SMC-1 – Security Panel Ceiling System - Solid
      iv) SMC-2 – Security Panel Ceiling System - Perforated
      v) Suspended Gyp Board Ceiling
      vi) Suspended Gyp Board Ceiling with Security Mesh
   b) Coordinate with electrical and mechanical trades, the location of, the suspension reinforcement for, fixtures and/or mechanical grilles, etc. to coordinate with the ceiling suspension pattern. Provide additional ceiling supports and cut outs where necessary to support light fixtures, speakers and other ceiling mounted equipment
   c) Coordinate the location of hangers with other work. Ensure the layout of hangers and carrying channels are installed to accommodate fittings and units of equipment that are placed after the installation of the ceiling grid system.
   d) Where ducts and or other equipment prevent the regular spacing of hangers, reinforce the nearest and adjacent hangers and related carrying channels as required to span the distance.
   e) Contractor shall install and cut all ceiling tile required.
   f) If ceiling height discrepancies exist, this Contractor shall notify Garmong immediately. This Contractor shall not make any ceiling height changes without approval.
6. Flooring
   a) This Contractor is responsible for broom cleaning prior to installation of the flooring system.
   b) Provide floor and wall floating as required to repair minor substrate defects to ensure finish product is plumb and true. Repair work at cracks in concrete slab is included. Include all leveling and patching compounds as recommended and approved by the flooring manufacturer.
   c) Final clean all material to remove all grout haze. Clean tile / stone in a manner acceptable to the tile / stone and grout manufacturer's recommendations.
   d) Remove and clean-up all debris, packaging, etc. daily. Grout will not be disposed of in any drains.

e) Examine all walls, floors, surfaces, and areas to receive tile material prior to starting work and notify contractor in writing of any unsatisfactory condition. Commencement of work shall constitute acceptance of subsurface by this Contractor.
f) Specific care needs to be given when working around other finished surfaces, Contractor shall remove grout immediately.
g) Cuts around fixtures and penetrations shall be neat. Where escutcheons are provided, tile cuts shall be smaller than the escutcheons.
h) Prior to installing floor system, this Contractor will be required to check moisture content of the concrete slabs to be sure they are within the limits.
i) Provide, install, and maintain sheet cardboard, wall to wall, floor protection of finished floors. Contractor shall dispose of cardboard as directed by CM.
j) It is the flooring Contractor's responsibility to walk the building prior to the schedule installation of floor covering. Nicks, small holes, cracks, depressions, rough areas, control joints, column diamonds, etc. in floors caused by construction process are expected and are a part of this Contractor's scope of work to repair with floor patch. Contractor may have to do some minor floor scraping. Contractor shall report any conditions in writing to the contractor that warrant excessive floor patch. Commencement of work without such notice shall constitute acceptance of subsurface by this Contractor. Excessive floor patch is defined as greater than 10% of the floor area per building.
k) Flooring contractor responsible to float floors to ensure all finished floors are at the same height. Instances where two carpet materials with different finished heights causing trip hazards or peeling carpet over time will not be accepted.
l) Vinyl repairs and minor carpet repairs are inherent in the construction process and are the responsibility of the Contractor to correct.
m) Provide final cleaning of vinyl tile in accordance with the flooring manufacturer's instructions immediately prior to turnover to Owner.
n) Contractor shall caulk joint between flooring and hollow metal frame.
o) Provide and install all resinous flooring including seamless resinous non-slip shower floor coatings, resinous kitchen floor coating, etc.

J. Division 10 Work
1. Provide and install miscellaneous specialties, including, but not limited to visual display units, signage, lettering, electronic window film, toilet compartments and accessories, wall and door protection, fire extinguishers, lockers, evidence lockers, shelving, mobile storage shelving, lockbox, canopies, and flagpoles. Work shall include all fasteners, adhesives, blocking, etc.
2. Signage per Contract Documents, including foundation for post and panel/pylon signage.
3. Provide exterior site signage, directional signage, ADA signage, traffic signage.
4. Coordinate structural support for welding curtains with Structural Steel Contractor.
5. Install furnished detention toilet and bath accessories where embedded in masonry.

K. Division 11 Work
1. ~~Provide and install all package transfer units, gun lockers, and inmate property packaging equipment. Include anchorage devices and fasteners for complete installation.~~ **Deleted per Addendum #3**
2. Coordinate electrical requirements with Electrical Contractor.

L. Division 12 Work
   1. Provide and install all manufactured laminate casework, solid surface materials, stainless steel cabinets & countertops, sills, backsplashes, end splashes, wall caps, undercounter knee protection, countertops, and closet and utility shelving as indicated and required including blocking, shims, wood stud framing, mounting hardware, countertop support brackets, and accessories. Coordinate locations with flooring, plumbing, mechanical, and electrical contractor. Cut all openings in casework and countertops for electrical and data devices, plumbing fixtures, and piping located behind casework for electrical and data devices. Protect all casework and countertops, using cardboard protection, after installation and remove protection at project completion. Grommets in countertops to be located in the field and installed by this contractor following Owner equipment move-in.
   2. Include integral bowls as indicated.
   3. Contractor shall provide all additional stiffeners as may be required for the proper performance of the work.
   4. Contractor shall field verify all dimensions.
   5. Contractor shall include final adjustments of all drawers, doors, and other hardware as may be required by the Architect and/or Garmong.
   6. Contractor shall remove, as part of this scope, all manufacturers' labels, stickers, etc. at the conclusion of the contract. Final cleaning of all work is included.
   7. Provide and install all window stools.
   8. All millwork details and returns shall be as per architectural details unless mutually agreed to and approved on shop drawing submissions.
   9. Provide and install all window coverings.
   10. Provide and install metal countertops.
   11. Provide and install site and institutional furnishings including security fasteners for a complete installation.

**END BID CATEGORY BP NO. 1 GENERAL TRADES SCOPE OF WORK**

**BID CATEGORY BP. NO. 2 EARTHWORK, SITEWORK AND UTILITIES SCOPE OF WORK**

This Scope of Work is to include, but is not limited to, the following Specification Sections:

| Section | Description |
|---|---|
| Division 00 | Procurement and Contracting Requirements |
| Division 01 | General Requirements |
| 31 10 00 | SITE CLEARING |
| 31 20 00 | EARTH MOVING |
| 31 23 19 | DEWATERING |
| 31 50 00 | EXCAVATION SUPPORT AND PROTECTION |
| ~~32 12 16~~ | ~~ASPHALT PAVING~~ **Deleted per Addendum #3** |
| 32 91 13 | SOIL PREPARATION |
| ~~32 92 00~~ | ~~TURF AND GRASSES~~ **Deleted per Addendum #3** |
| 32 93 00 | PLANTS |
| ~~33 05 24~~ | ~~HORIZONTAL DIRECTIONAL DRILLING~~ **Deleted per Addendum #3** |
| 33 42 00 | STORMWATER CONVEYANCE |
| 33 46 00 | SUBDRAINAGE |

This Bid Category Scope of Work describes and assigns Work to this Bid Category as designated by the Construction Manager. Each Contractor shall cooperate and coordinate with all other Bid Category Contractors for proper and expedient completion of the Work in this Project. This summary should in no way be construed as being all inclusive. It is issued as a guide to aid in the assignment of Work and is intended to clarify and/or further define the Scope of Work included in the Bid Documents. They shall not be construed as the entire Scope of Work for this Bid Category. All work described or indicated in the respective Specifications Sections or Divisions listed above shall be included, except as specifically excluded herein.

A. General items to be included in this scope of work
   1. Include in this scope of work a Construction Allowance of $50,000 to be utilized as directed by the Construction Manager.
   2. Provide all surveying and layout required to complete the work of this category.
   3. Contractor shall provide and install all temporary roads, parking areas and laydown areas for the project. This will include the installation of stone roads and pathways throughout the duration of the project. All areas shall be installed and maintained such that they do not hold water, they do provide proper access for equipment and materials to the building and are removed upon the completion of the work. It is anticipated that all access roads will follow the paved areas currently shown on the construction documents. Additional access lanes are to be provided around the building as necessary for the construction of the project. This will include access for jail cells, cranes, trucks, etc. Maintenance of the roads shall include adding stone as necessary for road maintenance and the removal of accumulated mud and/or dirt.
   4. Provide all snow removal for the project site. Contractor shall remove snow so that all access and parking areas are accessible.
   5. This scope shall include all associated work for the entrance road.
   6. All dewatering as required for the performance of this bid package.

7. Provide rock access road around building wide enough for crane and semi-truck traffic to access structural steel, precast and roof truss installations. Coordinate size and location with other contractors. Remove and regrade rock road. Coordinate removal schedule with Garmong.

B. Site Demolition
1. Contractor will provide all labor, materials, and equipment necessary to demolish complete, all materials indicated to be demolished in the Contract Documents.
2. All demolished materials shall be removed to a dumpster provided by the Construction Manager.
3. Sawcut all existing pavements prior to removal. Repair any damages that may occur to existing pavements to remain.

C. Erosion Control
1. Furnish and install all erosion control turbidity barriers, silt fence, hay bales, etc. as needed to protect adjacent property and all utilities. This Contractor will maintain erosion control daily for the entire project during the performance of this scope of work and until completion of the project and will decommission and clean as required at completion.
2. If drainage systems are infiltrated with sedimentation, Contractor shall clean all effected pipes and structures of dirt.
3. It is the responsibility of this Contractor to protect all trees and vegetation designated to remain.
4. This Contractor is responsible for dust control and traffic control (including traffic control signage required) for the duration of the project. All mud, dirt. Sand or other material tracked or spilled onto existing public and / or private road shall be removed and cleaned by this Contractor daily or as directed by Garmong. Also, water trucks, hoses and any other necessary means will be utilized to minimize and control dust onsite.
5. Maintain all erosion control measures for the duration of this project.
6. Install all stone. This includes installation and maintenance of stone for construction entrances and drives for the life span of the project.
7. Provide all required temporary seeding that may be necessary due to inactivity.
8. This scope shall include the removal of all erosion control measures installed on the project and remediation of any disturbed grades due to this work. This shall include grading and seeding of the ditch line where the silt fence is removed.
9. Inspect and repair all erosion control measures weekly and following all rain events. Provide written report of these inspections to the authorities having jurisdiction.

D. Earthwork
1. This Contractor is responsible for locating all existing utilities prior to work operations. Furnish, install and coordinate all private utility locator's services as required prior to commencing this work. This Contractor agrees that any existing utilities that may be damaged during work shall be repaired at this Contractor's expense.
2. Wherever work encroaches on existing sod or paved areas, restore those areas to original condition after completion of the work. This includes all sod, new asphalt, new concrete, grading or other work required to complete the renovated area.
3. Include all tree removal/demolition required for the installation of work of this bid package. Regrade all areas where demolition occurs and utilities are installed, ready for final landscaping, and install temporary seeding.
4. All necessary traffic control and barricades for the proper and safe execution of the Work

shall be furnished and maintained by this Contractor.

5. The Contractor shall dispose of any unsuitable materials off site.
6. This Contractor understands that there will be "out of sequence" work with respect to the work and has included such in this agreement.
7. The services of the soil engineer to perform soil testing, inspection services, and concrete testing will be provided by others. Contractor shall be responsible for coordinating with these services. The soil testing, concrete testing, and inspection does not in any way relieve the Contractor of its overall responsibility.
8. Contractor is responsible for all quantities of soil on site. This includes any import or export as needed for proper completion of this work.
9. Site clearing including all grubbing and topsoil removal of the site.
10. All excavation, cuts, fills and grading as required by the contract documents.
11. All backfill and compaction as required. This shall include the backfill and compaction of all demolished structures and utilities and subsequent excavations left by their removal. All backfill shall be compacted to meet requirements set for in the geotechnical soils report.
12. Proof roll the entire site once stripped of topsoil to determine locations of any unsuitable materials and remove.
13. The site shall be maintained such that water will not be allowed to pond on the site or building pads.
14. Construction of all building pads, roads, sidewalks, and curbs, utility pads, concrete maintenance strips, compacted aggregate surface, with proper compaction, +/- one tenth of a foot.
15. Provide and install all required subdrainage geotextile material.
16. ~~Building Slab Subgrade:~~
    i. ~~Provide granular drainage course under building slabs to within +/- one tenth of a foot of subgrade elevation. Coordinate this work with the BP #1 General Trades Contractor.~~
    ii. ~~Provide material for building pad subgrade fine grading.~~
    iii. ~~Building slab granular drainage course fine grading to be performed by BP #1 General Trades Contractor.~~ **Deleted per Addendum #3**
17. Asphalt Subgrade:
    i. Provide and install all compacted aggregate base course at all areas receiving asphalt paving to within +/- one tenth of a foot. Coordinate this work with the Asphalt Contractor.
    ii. Provide material for asphalt subgrade fine grading.
    iii. Asphalt compacted aggregate base course fine grading to be performed by BP #11 Asphalt Contractor.
18. Establish, protect and maintain all excavations and slopes to provide a safe work area.
19. Install a minimum of 6" of topsoil at all finished areas.
20. Backfill and rough grade at all buildings, sidewalks, curbs, roadways, planters, and any other area that may be required.
21. Coordinate location of spoil piles with other trades. All spoil piles are the responsibility of this Contractor.
22. Provide and install all aggregate surface.

E. Lime Stabilization

1. Provide and install lime stabilization for building pad and all roads to meet compaction requirements. This includes areas such as all asphalt paving types, parking lots, all concrete

paving types, road construction at North Section Street, turn lanes, asphalt pavement included in Alternate work. This does not include areas such as concrete sidewalks. **Revised per Addendum #3**

2. Lime stabilization shall be provided such that it facilitates the installation of building foundations and slabs.

F. Storm Sewer System

1. Provide and install a complete and operational storm sewer system as defined by the contract documents. This shall include all piping, drywells, castings, sealants, bedding, backfill, excavation, testing etc. for a complete and operational system.
2. Include all required excavation, backfill, bedding materials and compaction as required by the contract documents for storm sewers
3. Install all castings as indicated for the storm sewer system.
4. Provide all required State and Federal safety measures for this work. Should any unsafe work activity be observed, Garmong will halt all work until the unsafe condition is abated.
5. Provide all required testing of piping systems. Coordinate this with all local authorities having jurisdiction.
6. All piping shall be run to within 5'-0" of the building footing wall. Provide final connections.
7. Ensure all storm sewer installations maintain proper clearances from sanitary sewer piping and water mains.
8. Provide as-built drawings for all storm sewer installations.
9. Install all under drains, perimeter drains and foundation drains, as indicated.
10. Route storm piping to all downspout locations. Provide a "turn up" connection sized for the downspout specified for each location. Provide and install downspout boots.

**END BID CATEGORY BP NO. 2 EARTHWORK, SITEWORK AND UTILITIES SCOPE OF WORK**

**BID CATEGORY BP NO. 3 MASONRY SCOPE OF WORK**

This Scope of Work is to include, but is not limited to, the following Specification Sections:

| Section | Description |
|---|---|
| Division 00 | Procurement and Contracting Requirements |
| Division 01 | General Requirements |
| 04 21 13 | BRICK MASONRY |
| 04 22 00 | CONCRETE UNIT MASONRY |

This Bid Category Scope of Work describes and assigns Work to this Bid Category as designated by the Construction Manager. Each Contractor shall cooperate and coordinate with all other Bid Category Contractors for proper and expedient completion of the Work in this Project. This summary should in no way be construed as being all inclusive. It is issued as a guide to aid in the assignment of Work and is intended to clarify and/or further define the Scope of Work included in the Bid Documents. They shall not be construed as the entire Scope of Work for this Bid Category. All work described or indicated in the respective Specifications Sections or Divisions listed above shall be included, except as specifically excluded herein.

1. Provide all labor, material, equipment and supervision to complete the MASONRY scope of work.
2. Include in this scope of work a Construction Allowance of $20,000 to be utilized as directed by the Construction Manager.
3. The Scope of Work includes laying to all hollow metal frames in masonry wall construction. Material will be furnished by others. Grouting of hollow frames is included in this Scope of Work. This Contractor shall ensure frames are plumb, level, and square before, during and after installation of work.
4. Contractor will remove all mortar and grout from hollow metal frames upon completion of work.
5. Contractor shall protect the inside of all masonry hollow metal frames at the hinges, strikes, preinstalled conduit, boxes, etc. to keep out mortar. Review frame shop drawings and coordinate with frame suppliers prior to grouting.
6. BP 1 General Trades contractor responsible to remove hollow metal door frame spreaders.
7. Grout and mortar testing will be by others. Testing shall be schedule with Garmong 24 hours in advance. All cost associated with a failed test will be the responsibility of this Contractor.
8. Provide in place mock-up as required by Garmong and the Owner. Mock-ups shall include the specified mortar and accessories.
9. This Contractor shall be responsible for any additives, heating of materials, and covering of work in place for cold weather conditions.
10. Clean up of mortar droppings and masonry debris from masonry operation shall be performed continuously and immediately following the laying of the work and the area shall be left broom clean.
11. This Contractor will employ a competent scaffold erector with OSHA certification, who will supervise and monitor all scaffolding work and will be onsite when all scaffolding work is in progress or being used. A tagging system must be used to identify out of service and in service scaffolding. The tagging system will be per OSHA requirements.
12. Contractor shall install rebar caps (OSHA Approved) on all reinforcing and maintain daily.

13. If the toilet accessories, fire extinguisher cabinets, valve cabinets, electrical panels, etc. are not delivered in time, provide block outs for these items as per submittal data.
14. Provide washout of excess concrete associated with masonry work to be performed on site at a location directed by Garmong project management. Clean up of this area will be performed by this Contractor weekly.
15. The Contractor shall coordinate with Garmong and other trades, and install sleeves and embedded items built into masonry walls, i.e. expansion joints, metal embeds, etc.
16. This contractor to install beam pockets large enough for steel erection. Coordinate with BP #4 contractor.
17. This Contractor is responsible to furnish, install, and remove any necessary temporary wall bracing to prevent failure due to wind, etc.
18. Provide and install all firestopping at the perimeter of masonry walls. This shall include all fire and smoke sealants.
19. Provide and install all compressible fillers in masonry walls.
20. Install brick veneer masonry at entrance signage, brick to be provided by the owner.

**Addendum No. 2 Revisions – The following items are to be added to this scope of work:**

21. This contractor responsible to haul all brick material, located at the Sullivan County EMA building parking lot, to the jobsite for use on this project. Contractor should include loading, unloading, and hoisting as necessary.

**BID CATEGORY BP NO. 3 MASONRY SCOPE OF WORK**

**BID CATEGORY BP NO. 4 STRUCTURAL & MISC. STEEL SCOPE OF WORK**

This Scope of Work is to include, but is not limited to, the following Specification Sections:

| Section | Description |
|---|---|
| Division 00 | Procurement and Contracting Requirements |
| Division 01 | General Requirements |
| 05 05 53 | SECURITY METAL FASTENINGS |
| 05 12 00 | STRUCTURAL STEEL FRAMING |
| 05 31 00 | STEEL DECKING |
| 05 50 00 | METAL FABRICATIONS |
| 05 51 19 | METAL GRATING STAIRS |
| 05 52 13 | PIPE AND TUBE RAILINGS |
| 05 53 00 | METAL GRATINGS |
| ~~05 75 00~~ | ~~DECORATIVE FORMED METAL~~ **Deleted per Add. #3** |

This Bid Category Scope of Work describes and assigns Work to this Bid Category as designated by the Construction Manager. Each Contractor shall cooperate and coordinate with all other Bid Category Contractors for proper and expedient completion of the Work in this Project. This summary should in no way be construed as being all inclusive. It is issued as a guide to aid in the assignment of Work and is intended to clarify and/or further define the Scope of Work included in the Bid Documents. They shall not be construed as the entire Scope of Work for this Bid Category. All work described or indicated in the respective Specifications Sections or Divisions listed above shall be included, except as specifically excluded herein.

1. Include in this scope of work a construction allowance of $10,000 to be utilized as directed by the Construction Manager.
2. Contractor agrees to furnish all scaffolding, associated rigging, hoisting (crane), unloading, handling, unpacking, and services necessary for erection and delivery into the premises of all necessary equipment and apparatus. Contractor agrees to remove it from premises when no longer required for the performance of this work required to perform the work of this Subcontract is included.
3. Temporary barricades as required per 01 56 23 – Barricades.
4. The Contractor will furnish F.O.B. jobsite all embeds for cast in place concrete and masonry anchor bolts for structural steel and special metal fabrications that are required or shown to be cast in concrete or masonry. All embeds will have holes drilled for attachment to formwork.
5. Provide all necessary fasteners, clips, inserts, embeds, templates, accessories, hanger rods, pre-punched holes, etc. to furnish and install all structural steel as required.
6. Provide certificates for all welders, prior to start of work.
7. Include touch up (chipping, grinding and prime painting) of all structural steel and field welds. All embeds are to be prime painted on all surfaces.
8. Furnish and install all temporary and permanent cross bracing, wind bracing, and misc. bracing as required.

9. Furnish all steel lintels and brick relieving angles as required. Contractor shall provide all necessary anchors to attach these members
10. Provide all painting, touch-up painting, bituminous coatings and galvanizing as required.
11. In the event of mis-fabrication or design error, the supplier will submit, within 24 hours, an engineered solution. Upon acceptance, Contractor will immediately correct the problem as necessary not to interfere with the job progress.
12. No cutting or drilling of holes in structural members will be permitted unless written permission from the Design Team is obtained.
13. Special attention is to be made to all OSHA and Garmong Safety Requirements, especially to TYING OFF. Scaffolds, ladders, hard hats, safety glasses, fire extinguishers and flash arrestors will be used. Ladders must be tied off. All personnel setting "leading edge" work will be tied off, NO EXCEPTIONS. This Contractor shall design and install any necessary safety cable system required to achieve compliance. The company safety director prior to use will review all systems. 100% fall protection above 6' will be strictly enforced.
14. All welders are to be gas or diesel powered.
15. All welds in galvanized decks will be touched up with galvanized primer.
16. This Contractor is responsible for any lost or misplaced materials intended for this scope of work.
17. Provide all metal fabrications as indicated and specified including steel framing and supports for operable partitions, overhead doors and grilles, countertops, doors and windows, MEP equipment, shelf angles, miscellaneous steel trim and corner guards.
18. Provide all steel closure plates, beam enclosures, steel bulkheads, steel soffits, steel utility enclosures, steel plate supports above security mesh screens at mezzanines as indicated. These items are to be fabricated and installed with no gaps larger than 1/8". Provide removable access sections in all steel bulkheads, soffits, and ceilings per specification, but no less than every 12' and a minimum of one (1) per straight run enclosure. Provide all openings for MEP penetrations including HVAC grilles, fire suppression heads, as well as lights and steel mounted electrical and security devices. Coordinate framing members with MEP utilities above ceiling and within steel bulkheads, soffits, and beam enclosures.
19. Provide metallic putty sealants at items provided as part of this scope of work where the work remains exposed. This contractor will be required to seal all exposed joints in steel soffits, bulkheads, ceiling, beam enclosures, and mezzanine plates.
20. Provide angle and plates required for dock leveling equipment and enclosures.
21. Provide and install all steel closure plates, whether indicated on drawings or not, at all wall joints that exceed the security caulk manufacturer's maximum joint width. Coordinate with BP #1 contractor to determine quantity and size of steel closure plates.
22. Bid Package No. 4 to provide and install all dimensional structural steel. This includes but is not limited to the Area C mezzanine level dimensional structural steel in all Dayrooms and all other structural steel stairs and handrails located outside of the Dayrooms. Bid Package No. 7 to provide and install all stairs, handrails, guardrails, grating, etc. located in Dayrooms. **Revised per Addendum #3**
23. Provide and install all HSS steel members. Coordinate attachment with BP #1 cold formed roof truss supplier.
24. Provide all steel embeds at concrete mezzanines to be installed by BP #1 contractor.

25. BP #4 contractor to provide and install all Composite Floor Deck. Metal Roof Deck supplied and installed by BP #1 contractor.

**BID CATEGORY BP NO. 4 STRUCTURAL & MISC. STEEL SCOPE OF WORK**

**BID CATEGORY BP NO. 5 ROOFING SCOPE OF WORK**

This Scope of Work is to include, but is not limited to, the following Specification Sections:

| Section | Description |
|---|---|
| Division 00 | Procurement and Contracting Requirements |
| Division 01 | General Requirements |
| 07 41 13.16 | STANDING SEAM METAL ROOF PANELS |
| 07 42 43 | METAL PANELS |
| 07 62 00 | SHEET METAL FLASHING AND TRIM |
| 07 71 00 | ROOF SPECIALTIES |
| 07 71 29 | MANUFACTURED ROOF EXPANSION JOINTS |
| 07 72 00 | ROOF ACCESSORIES |
| 07 72 53 | SNOW RETENTION SYSTEM |

This Bid Category Scope of Work describes and assigns Work to this Bid Category as designated by the Construction Manager. Each Contractor shall cooperate and coordinate with all other Bid Category Contractors for proper and expedient completion of the Work in this Project. This summary should in no way be construed as being all inclusive. It is issued as a guide to aid in the assignment of Work and is intended to clarify and/or further define the Scope of Work included in the Bid Documents. They shall not be construed as the entire Scope of Work for this Bid Category. All work described or indicated in the respective Specifications Sections or Divisions listed above shall be included, except as specifically excluded herein.

1. Coordinate work with the work of all other bid packages.
2. Coordinate with mechanical and electrical bid packages for roof installation around roof top units and penetrations.
3. Furnish and install all joint sealants as it relates to roofing. These sealants should be utilized to ensure water tightness and included as part of the overall roofing system.
4. Coordinate roof penetrations with all bid packages and ensure that all penetrations conform with the roof systems installation requirements. Provide all material necessary to seal these penetrations.
5. All required roof vents complete with curbs, water seals, gaskets, and hardware, flashing and accessories.
6. All insulation and underlayment as specified.
7. This contractor to keep the roof clean of all materials, debris, and sharps. Perform final roof clean after all roof top work items are complete including curbs, roofing, coping, roof top equipment, ladders, roof hatches, etc.
8. Provide and install all roof hatches as required. This shall include all curbs, blocking and flashings.
9. Provide and install all roof curbs required for the items installed under this scope of work. All other trades, i.e. Mechanical, Electrical, etc. are required to provide curbs associated

with their work. BP #5 shall flash and cover curbs from the same metal roof materials roof curbs provided by others.

10. Provide and install metal roof system, gutters, downspouts, flashings, trims, sealants for a complete roofing system.
11. Coordinate all downspout locations with BP #2
12. Provide and install a complete prefinished metal soffit system.
13. Provide and install complete prefabricated metal panel system, metal panel fascia, fastening system. This shall include all soffit panels, drip edge, rakes and eave's and associated materials.
14. Provide and install all sealants required for this work.
15. Provide and install all metal column covers

**Addendum No. 3 Revisions – The following items are to be added to this scope of work:**

16. Include in this scope of work a construction allowance of $10,000 to be utilized as directed by the Construction Manager.

**BID CATEGORY BP NO. 5 ROOFING SCOPE OF WORK**

**BID CATEGORY BP NO. 6 PAINTING SCOPE OF WORK**

This Scope of Work is to include, but is not limited to, the following Specification Sections:

| Section | Description |
|---|---|
| Division 00 | Procurement and Contracting Requirements |
| Division 01 | General Requirements |
| 09 91 13 | EXTERIOR PAINTING |
| 09 91 23 | INTERIOR PAINTING |
| 09 96 65 | HIGH PERFORMANCE COATINGS |
| 10 14 23 | SIGNS |
| 13 55 00 | PREFABRICATED MODULAR STEEL CELLS |
| 32 17 23 | PAVEMENT MARKINGS (INT. STRIPING) |

This Bid Category Scope of Work describes and assigns Work to this Bid Category as designated by the Construction Manager. Each Contractor shall cooperate and coordinate with all other Bid Category Contractors for proper and expedient completion of the Work in this Project. This summary should in no way be construed as being all inclusive. It is issued as a guide to aid in the assignment of Work and is intended to clarify and/or further define the Scope of Work included in the Bid Documents. They shall not be construed as the entire Scope of Work for this Bid Category. All work described or indicated in the respective Specifications Sections or Divisions listed above shall be included, except as specifically excluded herein.

1. Include in this scope of work a construction allowance of $10,000 to be utilized as directed by the Construction Manager.
2. Provide block fillers, metal fillers, primer, and finish coat material as required.
3. Contractor will be responsible for all surface preparation including, but not limited to, scraping, grinding, sanding, etc., prior to their application. Contractor shall notify Garmong in writing, prior to applying finish materials as to any surfaces that are not acceptable. Included is all required masking and protection of adjacent work including hardware, fixtures, millwork, flooring, sprinkler heads, etc. Start of work shall be acceptance of surfaces by this Contractor.
4. On any surface requiring more than one coat, Contractor shall not apply second or finish coat until it has received written acceptance of coating from Garmong.
5. Tint each undercoat a lighter shade when multiple coats of same material are applied. Tint undercoats in the same color range as the finish coat.
6. Provide samples of each color and material to be applied for approval by A/E on actual substrate prior to any production work, in strict accordance with contract specifications.
7. Come back work at the building exterior and interior is included at no additional cost.
8. The Contractor will clean adjacent surfaces that receive over spray.
9. Garmong will provide temporary lighting per OSHA standards only. Contractor shall provide all additional lighting required for the proper execution of work.
10. Finish exterior doors on tops, bottoms, and side edges same as exterior faces.

11. Paint backsides of access panels, removable and hinged covers to match exposed surfaces.
12. Paint all cell module fronts and both sides of each cell door.
13. Paint mezzanine level walkways, hand-railing, and stairs, stair stringers, etc. The open grating of mezzanines and the open grate stair treads will remain galvanized and not painted. Paint all Kane Vantage wall materials.
14. Touch up primer on factory or shop primed metal surfaces required for application of finish painting.
15. The Contractor shall verify compatibility of materials applied to substrates field coated by this Contractor to not void the warranties of said materials. It is also the responsibility of the Contractor to verify compatibility of shop-applied coatings to topcoats applied in the field.
16. Contractor will not be allowed to clean tools and equipment in permanent plumbing fixtures.
17. All required cosmetic caulking, including caulking at casework, is included in this agreement.
18. Contractor shall be responsible for painting mechanical and electrical work exposed to view in interior occupied spaces and exterior walls and roof.
19. The Painting Contractor, Masonry Contractor and Metal Stud/Drywall Contractor will inspect all gypsum wallboard, plaster, and block walls after prime painting for surface defects. Re-priming and/or subsequent patchwork if required shall be performed prior to finish painting at no additional cost.
20. Examine all walls, floors, surfaces, and areas to receive tile material prior to starting work and notify contractor in writing of any unsatisfactory condition. Commencement of work shall constitute acceptance of subsurface by this Contractor.
21. The Painting Contractor is responsible for all sanding and cleaning of surfaces except block and drywall.
22. Provide and install all hand-painted and stenciled signage as identified by specification 101423 Panel Signage.
23. The Painting Contractor is responsible for all painted wall base.

**Addendum No. 2 Revisions – The following items are to be added to this scope of work:**

1. All 12-gauge steel plate noted on detail 34/A7.13 to be provided and installed by BP #7 detention contractor. BP #6 painting contractor to paint steel.

**BID CATEGORY BP NO. 6 PAINTING SCOPE OF WORK**

**BID CATEGORY BP NO. 7 DETENTION EQUIPMENT SCOPE OF WORK**

This Scope of Work is to include, but is not limited to, the following Specification Sections:

| Section | Description |
|---|---|
| Division 00 | Procurement and Contracting Requirements |
| Division 01 | General Requirements |
| 05 05 53 | SECURITY METAL FASTENINGS |
| 08 31 19 | SECURITY ACCESS DOORS AND FRAMES |
| 08 34 63 | DETENTION DOORS AND FRAMES |
| 08 56 63 | DETENTION WINDOWS |
| 08 71 63 | DETENTION DOOR HARDWARE |
| 08 88 53 | SECURITY GLAZING |
| 09 57 53 | SECURITY CEILING ASSEMBLIES |
| 09 78 63 | SAFETY PADDING |
| ~~10 57 00~~ | ~~RAPID ENTRY LOCKBOXES~~ **Deleted per Addendum #2** |
| 11 17 36 | PACKAGE TRANSFER UNITS |
| 11 18 00 | SECURITY EQUIPMENT |
| 11 19 01 | DETENTION FURNISHINGS AND EQUIPMENT |
| 11 19 03 | SECURITY BARRIERS |
| 11 29 23 | INMATE PROPERTY PACKAGING EQUIPMENT |
| 13 55 00 | PREFABRICATED MODULAR STEEL CELLS |
| 28 05 00 | COMMON WORK RESULTS FOR ELECTRONIC SAFETY AND SECURITY |
| 28 05 10 | CABINETS AND ENCLOSURES FOR ELECTRONIC SAFETY AND SECURITY |
| 28 13 00 | ACCESS CONTROL SYSTEM |
| 28 23 00 | IP VIDEO COMMUNICATION SYSTEM |
| 28 46 19 | SECURITY AUTOMATION SYSTEM |
| 28 46 20 | VIDEO GRAPHIC USE INFERFACE |
| 28 4621.11 | ADDRESSABLE FIRE-ALARM SYSTEMS |
| 28 51 23 | IP AUDIO COMMUNICATIONS SYSTEMS |

This Bid Category Scope of Work describes and assigns Work to this Bid Category as designated by the Construction Manager. Each Contractor shall cooperate and coordinate with all other Bid Category Contractors for proper and expedient completion of the Work in this Project. This summary should in no way be construed as being all inclusive. It is issued as a guide to aid in the assignment of Work and is intended to clarify and/or further define the Scope of Work included in the Bid Documents. They shall not be construed as the entire Scope of Work for this Bid Category. All work described or indicated in the respective Specifications Sections or Divisions listed above shall be included, except as specifically excluded herein.

1. Include in this scope of work a Construction Allowance of $40,000 to be utilized as directed by the Construction Manager.

2. Furnish only all interior and exterior detention hollow metal door and window frames, security access panel frames, chase doors frames, and tear gas ports to be installed by General Trades Contractor. Provide on-site training and supervision during initial installation. Provide coordination meeting with General Trades Contractor and Masonry Contractor and provide frame prep instructions for frames, grouting instructions, etc.
3. Furnish and install all detention and institutional furnishings.
4. Frames to be furnished prior to the start of above slab masonry walls. Provide guarantee letter from manufacturers agreeing to this date and allow 4 weeks for submittal review. Frames that cannot be factory prepped for hardware in time to make these delivery dates shall be prepped in the field by this contractor. This Contractor is responsible for furnishing steel plate embeds at all locations where frames are not delivered in time for masonry wall construction and will be responsible for field installation of frames as part of this scope of work. If frames are delivered on time, plate embeds can be omitted.
5. Careful coordination will be required with the Security Electronics Contractor to prep frames to receive frame mounted security electronics devices such as intercoms, DPS devices, locks, push buttons, request to exit devices and all electrified hardware components. Junction boxes, conduit raceways, enclosures, and access plates for all items shall come factory installed.
6. Door, window, and access panel openings in rated wall or ceiling assemblies are to be rated regardless of whether correctly indicated on the door schedule.
7. This contractor will be responsible for furnishing frame anchor straps/masonry anchors to be installed by others.
8. This contractor will be responsible for furnishing for installation by Bid Package 1, all plate steel frame closure pieces between frames and to close off gaps around frames and columns between frames. Closure pieces are to be field measured by this contractor.
9. Provide all conduit runs, junction boxes, enclosures, and access plates factory installed in detention doors and frames. At frames where access to junction boxes will be inaccessible, provide conduit runs through frame to either top or bottom of frame to be coordinated with the Electrical Contractor. Frame mounted conduit and junction boxes are to be factory sealed to avoid leaks during grouting of frames.
10. Furnish all detention hollow metal doors complete. This contractor will be responsible for storing doors until installed. On site storage will be permitted, however, this contractor will be responsible for receiving, unloading, and protecting until installed.
11. All openings as part of this scope of work in rated wall or ceiling assemblies are to be rated regardless of whether correctly indicated on the door schedule. Refer to fire rated assembly plans. Rated openings are to be complete rated assemblies (door, frame, glass, hardware) and shall bear UL label.
12. Coordinate with the Electrical Contractor to prep doors to receive hardware and security electronics devices such as concealed closures, DPS devices, locks, etc.
13. Provide all detention door hardware complete in detention openings provided under this scope of work as well as all detention hardware in non-detention openings.
14. Furnish only all pigtails and wire harnesses for all locks and electrified door hardware to be installed by the Electrical Contractor. Provide final adjustment and installation of cover plates and trim after installation of security electronics wiring at all door locations. Door mutes are to be field installed AFTER finish painting of doors and frames by this contractor.

15. Provide and install complete ceiling systems per the project documents including the following types.
    a. SMC-3 – Security Plank Ceiling System - Solid
    b. SMC-4 – Security Plank Ceiling System - Perforated
    c. Metal Panel Ceiling System Attached to Underside of Joists
16. This Contractor shall provide and install water management devices and services as directed by the project documents. This contractor to coordinate water management system with Bid Package No. 9 and Bid Package No. 10.
17. Include all weather stripping, gaskets, sweeps, thresholds, etc at doors installed under this work category. Food pass and cuff port openings and shutters are to be factory installed in door openings provided by this contractor.
18. Provide all keying and key controls for locks installed by this work category. Attend keying coordination meetings in person.
19. Perform key inventory meeting with Garmong representative monthly.
20. Perform key turnover meeting with owner at date of substantial completion.
21. Provide and install exterior fence gate electrified security door hardware.
22. Provide final adjustment of all detention doors after HVAC system is fully functional and building final enclosure including adjustment of hinges, closers, DPS, and LSS devices.
23. Provide all security glazing complete including security glazing in openings, non-detention doors and frames where indicated furnished and/or installed by the work of this category. Fire rated glazing is to be permanently etched with UL rating. Glazing is to fit tightly to frame and/or glazing stops without any gaps and with glazing tape or sealants cut below edge of glazing stops. Any gaps at these locations will be addressed by this contractor or will receive security joint sealants by others paid for by this contractor.
24. Provide all detention toilet and bath accessories, equipment, and furnishings complete. This includes but is not limited to all toilet paper holders (furnish only where embedded in masonry), security grab bars, security robe hooks, security shelves, security mirrors, security hook strips, security desks, stools, bunks, report writing shelves, dayroom tables, pistol lockers, key cabinets, package passes, sill passes, kitchen tool lockers, security tables, wall mounted swing stools, benches, security shower curtains, etc.
25. Provide detailed coordination drawings and furnish only all steel embeds for detention furnishings and accessories to Masonry Contractor. Embeds are to be delivered to the Masonry Contractor prior to the start of above grade masonry. Provide touchup of all factory primers, paints and finishes after installation to prepare for finish coat so that welding burns do not telegraph through finish paint. Finish coats to be provided by Painting Contractor. Remove all welding burns and slag from adjacent surfaces.
26. Provide all woven mesh security barriers. Coordinate sizes and location requirements for embedded anchors in precast and steel anchor structure above. Conduct coordination meeting with all other trades that have work or materials interacting with the woven mesh security barriers. Provide rough opening dimensions to all contractors.
27. Provide complete and tested touchscreen control system including touchscreen stations, control panels, interface boards and PLCs with complete and operational function of the door control

system, CCTV system, alarms, utility controls, and audio control systems, etc. accepted by Owner, A/E, and Construction Manager.

28. Provide complete and tested door control system including all interface board, relay cabinets, install only pig tails and wire harnesses at new detention locks, and system functionality indicated, specified, or required.
29. Provide complete and tested intercom and paging system including all PLC, software, programming, power supplies, amplifiers, microphones, intercom devices, speakers, intercom stations, interface boards and all other equipment indicated or required to achieve system functionality.
30. Provide complete and tested CCTV system including all cameras and mounting hardware, network video recorders, matrix switch input cards, DVRs capable of maintaining the specified level of storage, and camera power supplies as well as all other equipment indicated or required to achieve system functionality.
31. Furnish only all field devices, racks, relays, controllers, equipment, etc. factory assembled and tested to the furthest extent possible for field installation by the Electrical Contractor. Provide on-site training, assistance, and verification a minimum of once a month prior to the start of on-site start-up and testing.
32. Provide onsite start-up and testing of all devices and systems provided as part of this scope of work.
33. Provide all control panels and consoles required to achieve a complete functional system.
34. Provide detailed point to point wiring diagrams with required back box and conduit sizing and groupings for all new and existing devices. Cabling, conduit, raceways, back boxes (except specialty back boxes indicated to be provided as part of this scope of work) required to complete this scope of work will be provided by the Electrical Contractor.
35. Furnish only all specialty back-boxes to the Electrical Contractor for installation.
36. Provide up to (4) 8-hour training sessions for general operation of the security electronics system in addition to separate maintenance and supervisor level training to accommodate continued operation of facility.
37. Develop and provide a quality assurance plan demonstrating that every aspect of the detention equipment and security electronics system by the DSC and ESS shall function properly at substantial completion. Include in that plan a detention lock and detention door commissioning plan cycling every door and lock from fully closed to fully open twenty (20) times before substantial completion. Document this effort for every door as witnessed by an independent commissioning agent engaged by the CM.
38. This contractor will be responsible for providing and installing all services identified throughout the drawings and specifications of those parties identified as the Detention Systems Contractor (DSC), Electronics System Contractor (ESS), Electronic Security Systems Contractor (ESSS), Detention Hardware Contractor (DEC), Detention Electronics Contractor (DEC), Detention Hardware Sub-Contractor (DESC), Touchscreen Control System Vendor (TCSV) and Security Contractor Installer (SCI). Where scope delineation conflicts exist between this Scope of Work and any other section of the specifications or construction drawings, this Scope of Work shall govern.
39. All stairs, handrails, guardrails, grating, mezzanine steel, etc. located in the Day Rooms shall be furnished and installed by Bid Package No. 7.
40. All plumbing fixtures located inside prefabricated steel cells, shall be furnished, and installed by Bid Package No. 7. All other plumbing fixtures shall be provided and installed by Bid Package 9.

41. This contractor responsible for protecting prefabricated cells from weather from the time the cells leave the manufacturer until the building is under roof and watertight.
42. This contractor responsible for providing materials and equipment necessary to unload, assemble and maneuver prefabricated jail cells into the building in multiple locations. This may include but not is limited to installing and removing temporary concrete slabs, crane usage, etc.
43. Prefabricated cell manufacturer to provide a path for any sprinkler lines required to be installed under mezzanines.
44. Specification Section 28 4621.11 ADDRESSABLE FIRE-ALARM SYSTEMS has been included in this scope for coordination purposes. All fire alarm system components are to be provide and installed by Bid Package No. 11.

**Addendum No. 2 Revisions – The following items are to be added to this scope of work:**

45. Provide and install complete Decorative Stainless Steel Shower Bulkhead ceiling systems per the project documents.
46. All 12-gauge steel plate noted on detail 34/A7.13 to be provided and installed by BP #7 detention contractor. BP #6 painting contractor to paint steel.

**Addendum No. 3 Revisions – The following items are to be added to this scope of work:**

47. BP #7 contractor to provide all security access doors complete to BP #1 General Trades contractor for installation.

**BID CATEGORY BP NO. 7 DETENTION EQUIPMENT SCOPE OF WORK**

**BID CATEGORY BP NO. 8 FIRE PROTECTION SCOPE OF WORK**

This Scope of Work is to include, but is not limited to, the following Specification Sections:

| Section | Description |
|---|---|
| Division 00 | Procurement and Contracting Requirements |
| Division 01 | General Requirements |
| 07 84 13 | PENETRATION FIRESTOPPING |
| 21 05 13 | COMMON MOTOR REQUIREMENTS FOR FIRE SUPPRESSION |
| 21 05 17 | SLEEVES AND SLEEVE SEALS FOR FIRE-SUPPRESSION PIPING |
| 21 05 18 | ESCUTCHEONS FOR FIRE-SUPPRESSION PIPING |
| 21 05 23 | GENERAL-DUTY VALVES FOR FIRE PROTECTION PIPING |
| 21 05 29 | HANGERS AND SUPPORTS FOR FIRE SUPPRESSION PIPING AND EQUIPMENT |
| 21 05 48 | VIBRATION & SEISMIC CONTROLS FOR FIRE-SUPPRESSION PIPING AND EQUIPMENT |
| 21 05 53 | IDENTIFICATION FOR FIRE-SUPPRESSION PIPING AND EQUIPMENT |
| 21 11 19 | FIRE DEPARTMENT CONNECTIONS |
| 21 13 13 | WET-PIPE SPRINKLER SYSTEM |
| 21 13 16 | DRY-PIPE SPRINKLER SYSTEMS |

This Bid Category Scope of Work describes and assigns Work to this Bid Category as designated by the Construction Manager. Each Contractor shall cooperate and coordinate with all other Bid Category Contractors for proper and expedient completion of the Work in this Project. This summary should in no way be construed as being all inclusive. It is issued as a guide to aid in the assignment of Work and is intended to clarify and/or further define the Scope of Work included in the Bid Documents. They shall not be construed as the entire Scope of Work for this Bid Category. All work described or indicated in the respective Specifications Sections or Divisions listed above shall be included, except as specifically excluded herein.

1. Provide fire hydrant flow test and reports.
2. Site fire water piping by others, piping from 1' above finished floor.
3. Contractor is responsible for pulling all trade permits, paying all fees, and scheduling all required inspections associated with this work.
4. Firestopping of sprinkler piping penetrations in rated walls.
5. Through wall pipe penetrations through secure walls will require coordination with the installing Contractor.
6. All sleeves in new masonry walls and precast shall be laid out and provided by this bid package. All required core drilling, should a sleeve be missed, shall be the responsibility of this bid package.
7. Provide all access doors and panels to access concealed items where not shown on Drawings but required by Code. Include all costs for installation by other Bid Package Contractors. (Masonry Contractor, Metal Stud/Drywall Contractor)
8. Provide detention rated fire suppression heads in secure areas. Locate piping such that piping is not accessible to inmates. Provide detention rated pipe enclosures where piping is installed within reach of inmates. Note locations of steel ceilings, soffits, bulkheads, beam wraps, and utility

enclosures. These items are to be utilized for routing of fire suppression piping but will be shared with other utilities.

9. A complete as-built drawing of the Fire Protection system shall be maintained through and turned over at the end of the project.
10. Variations of pipe routing to accommodate building conditions and/or other trades may exist. An above ceiling coordination meeting incorporating all trades with work in the space will be required prior to rough-in.
11. Sprinkler heads located inside all prefabricated cells are furnished and installed by this Bid Package. Prefabricated cells will be prepared for sprinkler head installation either in the rear wall or ceiling by Detention Equipment Bid Package 7. In addition, all prefabricated cells shall have connection points where this Bid Package will connect the water supply to the cell piping.

**Addendum No. 3 Revisions – The following items are to be added to this scope of work:**

12. Include in this scope of work a construction allowance of $10,000 to be utilized as directed by the Construction Manager.

**BID CATEGORY BP NO. 8 FIRE PROTECTION SCOPE OF WORK**

**BID CATEGORY BP NO. 9 MECHANICAL AND PLUMBING SCOPE OF WORK**

This Scope of Work is to include, but is not limited to, the following Specification Sections:

| Section | Description |
|---|---|
| Division 00 | Procurement and Contracting Requirements |
| Division 01 | General Requirements |
| 07 84 13 | PENETRATION FIRESTOPPING |
| 22 05 13 | COMMON MOTOR REQUIREMENTS FOR PLUMBING EQUIPMENT |
| 22 05 16 | EXPANSION FITTINGS AND LOOPS FOR PLUMBING PIPING |
| 22 05 17 | SLEEVES AND SLEEVE SEALS FOR PLUMBING PIPING |
| 22 05 18 | ESCUTCHEONS FOR PLUMBING PIPING |
| 22 05 19 | METERS AND GAGES FOR PLUMBING PIPING |
| 22 05 23.12 | BALL VALVES FOR PLUMBING PIPING |
| 22 05 23.13 | BUTTERFLY VALVES FOR PLUMBING PIPING |
| 22 05 23.14 | CHECK VALVES FOR PLUMBING PIPING |
| 22 05 23.15 | GATE VALVES FOR PLUMBING PIPING |
| 22 05 29 | HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT |
| 22 05 48.13 | VIBRATION CONTROLS FOR PLUMBING PIPING AND EQUIPMENT |
| 22 05 53 | IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT |
| 22 05 93 | TESTING, ADJUSTING, AND BALANCING FOR PLUMBING |
| 22 07 19 | PLUMBING PIPING INSULATION |
| 22 11 16 | DOMESTIC WATER PIPING |
| 22 11 19 | DOMESTIC WATER PIPING SPECIALTIES |
| 22 11 23.13 | DOMESTIC WATER-PACKAGED BOOSTER PUMPS |
| 22 11 23.21 | INLINE, DOMESTIC WATER PUMPS |
| 22 13 16 | SANITARY WASTE AND VENT PIPING |
| 22 13 19 | SANITARY WASTE PIPING SPECIALTIES |
| 22 13 19.13 | SANITARY DRAINS |
| 22 13 23 | SANITARY WASTE INTERCEPTORS |
| 22 15 13 | GENERAL-SERVICE COMPRESSED-AIR PIPING |
| 22 15 19 | GENERAL-SERVICE PACKAGED AIR COMPRESSORS AND RECIEVERS |
| 22 17 23 | FACILITY NATURAL-GAS PIPING |
| 22 31 00 | DOMESTIC WATER SOFTENERS |
| 22 34 00 | FUEL-FIRED DOMESTIC WATER HEATERS |
| 22 42 13.13 | COMMERCIAL WATER CLOSETS |
| 22 42 13.16 | COMMERCIAL URINALS |
| 22 42 16.13 | COMMERCIAL LAVATORIES |
| 22 42 16.16 | COMMERCIAL SINKS |
| 22 45 00 | EMERGENCY PLUMBING FIXTURES |
| 22 46 00 | SECURITY PLUMBING FIXTURES |
| 22 47 16 | PRESSURE WATER COOLERS |
| 23 05 13 | COMMON MOTOR REQUIREMENTS FOR HVAC EQUIPMENT |

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|---|---|
| 23 05 16 | EXPANSION FITTINGS AND LOOPS FOR HVAC PIPING |
| 23 05 17 | SLEEVES AND SLEEVE SEALS FOR HVAC PIPING |
| 23 05 18 | ESCUTCHEONS FOR HVAC PIPING |
| 23 05 19 | METERS AND GAGES FOR HVAC PIPING |
| 23 05 23.11 | GLOBE VALVES FOR HVAC PIPING |
| 23 05 23.12 | BALL VALVES FOR HVAC PIPING |
| 23 05 23.13 | BUTTERFLY VALVES FOR HVAC PIPING |
| 23 05 23.14 | CHECK VALVES FOR HVAC PIPING |
| 23 05 23.15 | GATE VALVES FOR HVAC PIPING |
| 23 05 23.16 | PLUG VALVES FOR HVAC PIPING |
| 23 05 29 | HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT |
| 23 05 48.13 | VIBRATION CONTROLS FOR HVAC |
| 23 05 53 | IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT |
| 23 05 66 | ANTIMICROBIAL ULTRAVIOLET LAMP SYSTEMS FOR HVAC |
| 23 05 93 | TESTING, ADJUSTING, AND BALANCING FOR HVAC |
| 23 07 13 | DUCT INSULATION |
| 23 07 16 | HVAC EQUIPMENT INSULATION |
| 23 07 19 | HVAC PIPING INSULATION |
| 23 09 23 | DIRECT DIGITAL CONTROL (DDC) SYSTEM FOR HVAC |
| 23 09 24 | REFRIGERANT DETECTION AND ALARM |
| 23 21 13 | HYDRONIC PIPING |
| 23 21 16 | HYDRONIC PIPING SPECIALTIES |
| 23 21 23 | HYDRONIC PUMPS |
| 23 23 00 | REFRIGERANT PIPING |
| 23 25 13 | WATER TREATMENT FOR CLOSED-LOOP HYDRONIC SYSTEMS |
| 23 31 13 | METAL DUCTS |
| 23 33 00 | AIR DUCT ACCESSORIES |
| 23 33 46 | FLEXIBLE DUCTS |
| 23 34 16 | CENTRIFUGAL HVAC FANS |
| 23 36 00 | AIR TERMINAL UNITS |
| 23 37 13.13 | AIR DIFFUSERS |
| 23 37 13.23 | REGISTERS AND GRILLES |
| 23 37 13.43 | SECURITY REGISTERS AND GRILLES |
| 23 37 23 | HVAC GRAVITY VENTILATORS |
| 23 51 23 | GAS VENTS |
| 23 52 16 | CONDENSING BOILERS |
| 23 55 23.13 | LOW-INTENSITY, GAS-FIRED, RADIANT HEATERS |
| 23 56 13.19 | HEATING, SOLAR, VACUUM-TUBE COLLECTORS |
| 23 57 00 | HEAT EXCHANGERS FOR HVAC |
| 23 64 23.13 | AIR COOLED, SCROLL WATER CHILLERS |
| 23 73 13.13 | INDOOR, BASIC AIR-HANDLING UNITS |
| 23 74 33 | DEDICATED OUTDOOR-AIR UNITS |
| 23 81 23.13 | COMPUTER-ROOM AIR-CONDITIONERS, CEILING MOUNTED UNITS |
| 23 81 26 | SPLIT-SYSTEM AIR CONDITIONERS |

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| 23 81 29 | VARIABLE-REFRIGERANT-FLOW HVAC SYSTEMS |
| 23 82 19 | FAN COIL UNITS |
| 23 82 39.19 | WALL AND CEILING UNIT HEATERS |
| 33 05 24 | HORIZONTAL DIRECTIONAL DRILLING **Added per Addendum #3** |
| 33 10 00 | WATER UTILITIES |
| 33 30 00 | SANITARY SEWERAGE UTILITIES |

This Bid Category Scope of Work describes and assigns Work to this Bid Category as designated by the Construction Manager. Each Contractor shall cooperate and coordinate with all other Bid Category Contractors for proper and expedient completion of the Work in this Project. This summary should in no way be construed as being all inclusive. It is issued as a guide to aid in the assignment of Work and is intended to clarify and/or further define the Scope of Work included in the Bid Documents. They shall not be construed as the entire Scope of Work for this Bid Category. All work described or indicated in the respective Specifications Sections or Divisions listed above shall be included, except as specifically excluded herein.

1. All items within this package are to be furnished and installed unless otherwise noted.
2. Include in this scope of work a Construction Allowance of $25,000 to be utilized as directed by the Construction Manager.
3. All material handling, rigging, unloading, staging, and storage of all materials.
4. Contractor is responsible for obtaining all trade permits, paying all fees and scheduling and attending all required inspections associated with this work.
5. Temporary HVAC per requirements of 01 51 23 – Temporary HVAC
6. Temporary water per requirements of 01 51 36 – Temporary Water
7. Provide all site underground sanitary piping and structures; domestic and fire water piping and vault; and gas piping from utility. Fire water piping shall be capped at 1' above finished floor.
8. All housekeeping pads.
9. All excavation, backfill, concrete, masonry, and concrete patching required to complete this scope of work.
10. Through wall penetrations through secure masonry walls will require coordination with the Masonry Bid Package. Layout and coordination between all other Bid Packages is required.
11. Any roof penetrations shall be coordinated with the Roofing Contractor. Provide all accessories for roof and slab penetrations including sleeves and roofing accessories.
12. All sleeves in new masonry walls and precast shall be laid out and provided by the bid package. Coordinate installation of sleeves with the Masonry Contractor. Cutting and patching of precast planks for this scope shall be by this contractor.
13. Variations of piping and duct routing to accommodate building conditions and/or other trades may exist. An above ceiling coordination meeting will be required prior to rough-in.
14. Provide all access doors and panels necessary to access concealed HVAC and plumbing accessories where required by Code **and for maintenance purposes** but not shown on Drawings. Access doors and panels in secure areas are to be detention rated. Access doors and panels in rated walls and ceilings need to be fire rated. Include cost on installation by other Bid Packages (Masonry Contractor and Metal Stud Drywall Contractor) **Revised per Addendum #2**
15. All refrigerant piping for new HVAC equipment, excluding freezer/cooler work.

16. Provide all man bars at duct penetrations through security walls. Man bars shall be provided at all locations where ductwork penetrates walls within the security perimeter. Provide miscellaneous angles and support members as indicated. Where man bars of fire dampers are identified or required at the same location, provide UL rated out of wall style dampers. Provide retaining angles for mounting security grilles in metal ceilings, soffits, bulkheads, and utility enclosures and do not weld security GRD's to the face of these items.
17. Coordinate BAS network connections and interface with smoke control system with Electrical Contractor.
18. A certified lifting plan shall be presented to Garmong Construction general superintendent prior to any equipment lifts associated with this bid package.
19. Sheetmetal ductwork connections to detention cells may be either round or rectangular. Include provisions for either type.
20. Provide General Trades Contractor with templates to be used in cutting countertops. Coordinate rough-in information with various trades.
21. This Contractor is responsible for furnishing any temporary valves, pumps gauges etc. to complete the work as required and scheduled.
22. All plumbing fixtures located inside prefabricated steel cells, shall be furnished, and installed by Bid Package No. 7. All other plumbing fixtures shall be provided and installed by this Bid Package.
23. This Contractor shall provide and install water management devices and services as directed by the project documents. This contractor to coordinate water management system with Bid Package No. 7 and Bid Package No. 10.
24. Provide and install the Specification Section 333245 Horizontal Shaft Communiter along with all concrete pads and accessories for a complete and operational system. Line voltage power will be provided by others; all other work by this bid package.
25. Provide and install all roof curbs required for the items installed under this scope of work.
26. The kitchen hood and dishwasher hood are furnished by Bid Package No. 12 kitchen equipment contractor for installation by Bid Package No. 9 mechaincal contractor. Coordinate all work with the Kitchen Equipment Contractor.
27. Provide and install all laboratory fume hoods for a complete and operational system.
28. This contractor to provide a full back of cell mock up with all plumbing and hvac equipment.
29. Provide materials to the General Trades package along with associated layout for installation in all precast concrete.
30. Coordinate solar heating system with roofing manufacturer as to not void roofing warranty or damage roofing materials. Provide waterproof mounting system, sealants, boots, etc. as necessary.

**BID CATEGORY BP NO. 9 MECHANICAL AND PLUMBING SCOPE OF WORK**

**BID CATEGORY BP NO. 10 ELECTRICAL & COMMUNICATION SCOPE OF WORK**

This Scope of Work is to include, but is not limited to, the following Specification Sections:

| Section | Description |
|---|---|
| Division 00 | Procurement and Contracting Requirements |
| Division 01 | General Requirements |
| 07 84 13 | PENETRATION FIRESTOPPING |
| 13 12 00 | PREFABRICATED BUILDINGS – COMMUNICATIONS SHELTER **Added per Addendum #3** |
| 26 00 10 | SUPPLEMENTAL REQUIREMENTS FOR ELECTRICAL |
| 26 05 19 | LOW VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES |
| 26 05 23 | CONTROL VOLTAGE ELECTRICAL POWER CABLES |
| 26 05 26 | GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS |
| 26 05 29 | HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS |
| 26 05 33.13 | CONDUITS FOR ELECTRICAL SYSTEMS |
| 26 05 33.16 | BOXES AND COVERS FOR ELECTRICAL SYSTEMS |
| 26 05 43 | UNDERGROUND DUCTS AND RACEWAYS FOR ELECTRICAL SYSTEMS |
| 26 05 44 | SLEEVES AND SLEEVE SEALS FOR ELECTICAL RACEWAYS AND CABLING |
| 26 05 48.16 | SEISMIC CONTROLS FOR ELECTRICAL SYSTEMS |
| 26 05 53 | IDENTIFICATION FOR ELECTRICAL SYSTEMS |
| 26 05 73.13 | SHORT-CIRCUIT STUDIES |
| 26 05 73.16 | COORDINATION STUDIES |
| 26 05 73.19 | ARC-FLASH HAZARD ANALYSIS |
| 26 09 23 | LIGHTING CONTROL DEVICES |
| 26 22 13 | LOW-VOLTAGE DISTRIBUTION TRANSFORMERS |
| 26 24 13 | SWITCHBOARDS |
| 26 24 16 | PANELBOARDS |
| 26 24 16.16 | ELECTRONICALLY OPERATED CIRCUIT-BREAKERPANELBOARDS |
| 26 25 50 | GENERATOR CAMLOCK ROTARY MANUAL TRANSFER SWITCH**–Added per Add. 1** |
| 26 27 26 | WIRING DEVICES |
| 26 28 13 | FUSES |
| 26 28 16 | ENCLOSED SWITCHES AND CIRCUIT BREAKERS |
| 26 29 13.03 | MANUAL AND MAGNETIC MOTOR CONTROLLERS |
| 26 29 23 | VARIABLE FREQUENCY MOTOR CONTROLLERS |
| 26 32 13.13 | DIESEL ENGINE DRIVEN GENERATOR SETS |
| 26 36 00 | TRANSFER SWITCHES |
| 26 43 13 | SURGE PROTECTION FOR LOW-VOLTAGE ELECTRICAL POWER CIRCUITS |
| 26 51 19 | LED INTERIOR LIGHTING |
| 26 56 13 | LIGHTING POLES AND STANDARDS |
| 26 56 19 | LED EXTERIOR LIGHTING |
| 27 00 10 | SUPPLEMENTAL REQUIREMENTS FOR COMMUNICATIONS |
| 27 05 26 | GROUNDING AND BONDING FOR COMMUNICATIONS SYSTEMS |
| 27 05 28 | PATHWAYS FOR COMMUNICATIONS SYSTEMS |

| | |
|---|---|
| 27 05 29 | HANGERS AND SUPPORTS FOR COMMUNICATIONS SYSTEMS |
| 27 05 36 | CABLE TRAYS FOR COMMUNICATIONS SYSTEMS |
| 27 05 43 | UNDERGROUND DUCTS AND RACEWAYS FOR COMMUNICATION SYSTEMS |
| 27 05 44 | SLEEVES AND SLEEVE SEALS FOR COMMUNICATIONS PATHWAYS AND CABLING |
| 27 05 53 | IDENTIFICATION FOR COMMUNICATIONS SYSTEMS |
| 27 11 00 | COMMUNICATIONS EQUIPMENT ROOM FITTINGS |
| 27 11 16 | COMMUNICATIONS RACKS, FRAMES, AND ENCLOSURES |
| 27 13 00 | COMMUNICATIONS BACKBONE CABLING |
| 27 15 00 | COMMUNICATIONS HORIZONTAL CABLING |
| 27 41 33 | MASTER ANTENNA TELEVISION SYSTEM |
| 28 05 00 | COMMON WORK RESULTS FOR ELECTRONIC SAFETY AND SECURITY |
| 28 05 10 | CABINETS AND ENCLOSURES FOR ELECTRONIC SAFETY AND SECURITY |
| 28 13 00 | ACCESS CONTROL SYSTEM |
| 28 23 00 | IP VIDEO COMMUNICATION SYSTEM |
| 28 46 19 | SECURITY AUTOMATION SYSTEM |
| 28 46 20 | VIDEO GRAPHIC USE INFERFACE |
| 28 46 21.11 | ADDRESSABLE FIRE-ALARM SYSTEMS |
| 28 51 23 | IP AUDIO COMMUNICATIONS SYSTEMS |

This Bid Category Scope of Work describes and assigns Work to this Bid Category as designated by the Construction Manager. Each Contractor shall cooperate and coordinate with all other Bid Category Contractors for proper and expedient completion of the Work in this Project. This summary should in no way be construed as being all inclusive. It is issued as a guide to aid in the assignment of Work and is intended to clarify and/or further define the Scope of Work included in the Bid Documents. They shall not be construed as the entire Scope of Work for this Bid Category. All work described or indicated in the respective Specifications Sections or Divisions listed above shall be included, except as specifically excluded herein.

1. All items within this package are to be furnished and installed unless otherwise noted.
2. Include in this scope of work a Construction Allowance of $25,000 to be utilized as directed by the Construction Manager.
3. Contractor is responsible for obtaining all trade permits, paying all fees and scheduling and attending all required inspections associated with this work. This includes preparing and submitting all fire alarm drawings to state and local permitting and plan review authorities in a timely manner so as not to delay the start of work.
4. Temporary power and lighting as specified in 01 51 13 – Temporary Electricity.
5. Provide temporary security lights and light poles to all sides of the building at a minimum of 4 locations. Lights to be operational after precast exterior wall panels are installed. Remove temporary lights and poles at Garmong's direction.
6. Light pole bases.
7. All housekeeping and transformer pads.
8. Provide underground conduit rough-in for site primary feed from utility source to utility service provided primary transformer. Provide the CT metering cabinet and install the utility furnished meter socket. Coordinate with the utility provider, submit all applications and pay all required fees.

9. All underground conduit rough-in for telephone and fiber to utility service.
10. All excavation, backfill, concrete, masonry and concrete patching required to complete this scope of work.
11. Schedule of any required shutdowns shall be coordinated with Garmong.
12. All material handling, rigging, unloading, staging, and storage of all materials.
13. Through wall penetrations through secure masonry walls will require close coordination with the Masonry Bid Package. Layout and coordination between other Bid Packages is required.
14. Install all electrified door, overhead door, and coiling shutter hardware components furnished by General Trades Contractor and provide wiring terminations. This excludes electrified door controls provided by the Detention Equipment Contractor.
15. Any roof penetrations shall be coordinated with the Roofing Contractor. This package shall create the roof penetration to the acceptance of the Roofing Contractor. Provide all accessories for roof and slab penetrations including sleeves and roofing accessories.
16. All sleeves in new masonry walls and precast shall be laid out and provided by this bid package. Coordinate installation of sleeves with Masonry Contractor. Cutting and coring of precast planks for this scope of work shall be by this contractor.
17. Provide all access panels required to access conceal items as required for Code but not shown on Drawings. Include costs for installation by other Bid Packages. (Masonry Contractor and Metal Stud Contractor)
18. It shall be the responsibility of this bid package to provide start up assistance on equipment provided. The equipment manufacturer (when required) shall provide start up on all equipment.
19. All interconnecting wiring and devices as required for new kitchen equipment and kitchen fire protection as described in contract documents.
20. Variations of conduit routing to accommodate existing building conditions and/or other trades may exist. An above ceiling coordination meeting will be required prior to rough-in.
21. Provide and install all components of the telephone, data, wireless internet, communication, television, fiber optics, lighting controls, and coxial systems for complete an operational system.
22. **Provide and install a complete radio tower, complete radio tower building and 911 center relocation including but not limited to excavations, foundations, rebar, slabs, structure, finishes, rough-ins, conduit, wire, devices, terminations, relocating owner equipment for a complete and operational system. Coordinate with Commercial Radio Service Inc. This bid package responsible for "Radio Notes" on sheet E4.1C. Revised per Addendum #3**
23. Provide and install all power, data, communication, raceways for the radio communication system and satellites. Equipment to be provided by others.
24. Provide and install all power, data, communication, raceways for all components of the inmate telephones, video visitation, inmate tablet system, etc. for complete an operational system. Equipment provided and installed by others.
25. The head-end network equipment (server infrastructure, firewall infrastructure, switch infrastructure, wireless infrastructure, miscellaneous hardware and installation shall be furnished and installed by this contractor. This contractor shall furnish and install ups branch circuits, grounding, housekeeping, pads, anchoring, and other extraneous items necessary to accommodate this equipment. Contractor shall furnish and install conduit, grounding, cable tray, j-hooks, firestopping, penetrations/blockouts, pullstrings, wiring device boxes, sleeves/endbells/bushings, supports/hangers, pullboxes, handholes, plywood backboards, and other extraneous items

necessary to accommodate this vendor furnished and installed equipment for a complete and functional system.

26. Structured cabling and all related accessories (i.e. mutoa outlets, conduit, patch cords, horizontal structured cabling systems, backbone structured cabling systems, patch panels, j-hooks, cable tray, telephone infrastructure, matv infrastructure, etc.) shall be furnished and installed by contractor. Field coordinate minimum rack unit (RU) spaces and locations required for patch panels with the head-end network equipment. Contractor shall furnish and install conduit, grounding, cable tray, j-hooks, firestopping, penetrations/blockouts, pullstrings, wiring device boxes, sleeves/endbells/bushings, supports/hangers, pullboxes, handholes, plywood backboards, and other extraneous items necessary to accommodate equipment for a complete and functional system.
27. Provide all cable support systems, raceways, conduits, wall sleeves, rough-in boxes and cable trays for all low voltage systems installed by as part of this scope of work and for systems installed by others including data and communications, security electronics, electrified door hardware, kitchen and laundry equipment, and fire alarm. This is to exclude temperature controls /BAS systems which will be provided by the Mechanical & Plumbing Contractor except where specifically indicated on the Contract Documents. Cable trays not identified on the Drawings will be the responsibility of the contractor requiring the cable trays. Install only special back boxes, racks and cabinets furnished by the Detention Equipment Contractor. Layout and provide wall sleeves for these systems as necessary to provide complete raceways.
28. Provide all security electronics cabling, wire, and fiber optic complete and ready for termination at head end racks by the Detention Equipment Contractor. Install only all field devices and lock pigtails and wiring harnesses for security electronics systems. Terminations at head end equipment will be provided by the Detention Equipment Contractor, however, the Electrical Contractor will be responsible for receiving and installing head end equipment racks. Examples of field devices that are furnished by the Detention Equipment Contractor for installation by this contractor include intercoms, cameras, duress devices, watch tower devices, speakers, talk-thru devices, card readers, motion detectors, request to exit buttons, microphones, etc. Note locations where utility control is provided through the security electronics systems and lighting and power is fed through the utility control panels on the security electronics system. Central control computers and monitors are to be furnished and installed by the Detention Equipment Contractor.
29. All BAS and HVAC controls will be the responsibility of the Mechanical & Plumbing Contractor. The Mechanical & Plumbing Contractor will be responsible for furnishing all BAS equipment and controllers. The Electrical Contractor is responsible for line voltage power connections, relays, VFD terminations, fire alarm connections, power shut down (contactors), motor starters, or disconnects associated with the controls system, all of which are to be furnished and/or installed as detailed in this scope of work.
30. All pigtails and wire harnesses for all locks and electrified door hardware to be installed by the Electrical Contractor. Pigtails and wire harnesses to be provided by Bid Package No. 7.
31. This Contractor shall provide and install water management devices and services as directed by the project documents. This contractor to coordinate water management system with Bid Package No. 7 and Bid Package No. 9.
32. Provide all conduit and boxes to the General Trades package along with associated layout for installation in all precast concrete.

33. Specification Section 28 4621.11 ADDRESSABLE FIRE-ALARM SYSTEMS is to be provide and installed by Electrical Bid Package No. 10. Coordinate this work with Detention Bid Package No. 7 for integration of security system components.
34. In specification section 280500 Common Work Results for Electronic Safety and Security, this bid package shall provide and install all work defined as being performed by the "Division 26 Contractor".

**BID CATEGORY BP NO. 10 ELECTRICAL & COMMUNICATION SCOPE OF WORK**

**BID CATEGORY BP NO. 11 ASPHALT PAVING SCOPE OF WORK**

This Scope of Work is to include, but is not limited to, the following Specification Sections:

| Section | Description |
|---|---|
| Division 00 | Procurement and Contracting Requirements |
| Division 01 | General Requirements |
| 32 12 16 | ASPHALT PAVING |
| 32 17 13 | PARKING BUMPERS |
| 32 17 23 | PAVEMENT MARKINGS |

This Bid Category Scope of Work describes and assigns Work to this Bid Category as designated by the Construction Manager. Each Contractor shall cooperate and coordinate with all other Bid Category Contractors for proper and expedient completion of the Work in this Project. This summary should in no way be construed as being all inclusive. It is issued as a guide to aid in the assignment of Work and is intended to clarify and/or further define the Scope of Work included in the Bid Documents. They shall not be construed as the entire Scope of Work for this Bid Category. All work described or indicated in the respective Specifications Sections or Divisions listed above shall be included, except as specifically excluded herein.

1. Provide all labor, material, equipment and supervision to complete the ASPHALT PAVING scope of work.
2. This contract is to provide and install all asphalt in accordance with the plans and specifications including fine grading of stone. Stone necessary to fine grade to be provided by BP #2 Earthwork Contractor.
3. This contract to provide and install asphalt in accordance with the plans and specifications including fine grading of stone placed by the Site Development Bid Package.
4. Provide and install all pavement marking and all parking blocks in accordance with the plans and specifications located on asphalt surface.
5. Contract is responsible to keep positive slope to drains. Any issues advise immediately for engineer review.
6. Provide a minimum of (2) mobilizations for separate binder and surface courses.
7. Provide separate mobilization for turn lane construction.
8. Site signage to be provided by BP #1 contractor.

**BID CATEGORY BP NO. 11 ASPHALT PAVING SCOPE OF WORK**

**BID CATEGORY BP NO. 12 KITCHEN EQUIPMENT SCOPE OF WORK**

This Scope of Work is to include, but is not limited to, the following Specification Sections:

| Section | Description |
|---|---|
| Division 00 | Procurement and Contracting Requirements |
| Division 01 | General Requirements |
| 07 72 13 | Manufactured Access Curbs and Covers for Conventional Roofs **Added per Add. #2** |
| 07 92 00 | Joint Sealants |
| 07 84 13 | Penetration Firestopping |
| 11 40 00 | Food Service Equipment |

This Bid Category Scope of Work describes and assigns Work to this Bid Category as designated by the Construction Manager. Each Contractor shall cooperate and coordinate with all other Bid Category Contractors for proper and expedient completion of the Work in this Project. This summary should in no way be construed as being all inclusive. It is issued as a guide to aid in the assignment of Work and is intended to clarify and/or further define the Scope of Work included in the Bid Documents. They shall not be construed as the entire Scope of Work for this Bid Category. All work described or indicated in the respective Specifications Sections or Divisions listed above shall be included, except as specifically excluded herein.

1. Provide coordination with mechanical and electrical contractors for connections to equipment. This contractor will be responsible for all interconnect wiring and controls wiring required for a complete operational system acceptable to owner, AE, and Construction Manager. Utility connections will be provided by others to the extent indicated on the plumbing, mechanical, and electrical drawings. This contractor will be required to coordinate utility connections with these drawings from the construction set and will bear any costs associated with modifications to these requirements as a result of not matching these drawings.
2. This contractor will be responsible for installation of refrigeration line sets and condensate drains associated with the cooler/freezer including roof curbs, equipment supports and penetrations.
3. Provide all anchor bolts, seismic restraints and anchoring of equipment. Where anchors are to be embedded in masonry or concrete, furnish only to the Masonry or General Trades contractors prior to installation of masonry or concrete. Not furnishing these items prior to the installation of these systems will require post installation by this contractor.
4. Furnish all light fixtures integral to items installed by this scope of work, installation of light fixtures by Electrical contractor.
5. Provide sealants as specified to seal abutting surfaces that produce airtight, watertight and sanitary joints.
6. Provide cardboard protection for all stainless-steel surfaces during construction, remove before final cleaning.
7. Provide the insulated floor system at the walk-in cooler/freezer.
8. Furnish only kitchen hood and dishwasher hood for installation by the Mechanical contractor. Furnish all closure pieces and trim necessary for a complete installation.

9. Provide hood fire suppression system. Furnish only gas shut off valve for installation by the plumbing contractor. Provide contactor/hood control panel to allow for interface to the fire alarm system (connection by others), BAS (connection by others), and shut down of electrical power to kitchen equipment where indicated. Provide kitchen temperature sensor for wire connections by others.
10. Provide all required plan review, permits and fees associated with work of this category, specifically coordination with the authorities having jurisdiction and health department.
11. Provide field start-up of all equipment furnished or installed under this scope of work.
12. This contractor shall be responsible for notifying CM prior the start of above grade masonry if there are any pieces of equipment that are not capable of fitting through planned door openings.
13. Provide and install all roof curbs required for the items installed under this scope of work.

**BID CATEGORY BP NO. 12 KITCHEN EQUIPMENT SCOPE OF WORK**