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Bid Package #BP 02 02 41 19 Interior Demolition 02 82 10 Asbestos Abatement

Description of Work

The following information is provided to define and describe the scope of work required of the successful Bidder and is intended to be complementary with the requirements of all other Contract Documents.

The scope of the work shall include, but not necessarily be limited to, providing the following:

INTERIOR DEMOLITION

- 1. Include demolition and removal of existing gym flooring and bleachers.
- 2. All tipping fees will be waived by local landfill.
- 3. Include for all floor finish and adhesive, ACT, interior doors, interior walls, exterior walls, window blinds, millwork, drywall ceilings and interior glass demolition.
- Include for all concrete flooring cutting and removal for plumbing or shown on drawings.
 Coordinate floor cutting with MEP rough-ins and structural.
- 5. Include salvage and turnover of student locker to the owner and demolition of locker base.
- 6. Exterior windows and storefront will be removed by glass contractor.
- 7. Include the salvage of any brick as noted on the drawings.
- 8. All site demolition on drawings by C1.00 is by site contractor.
- 9. All roof demolition will be by roofing contractor.
- 10. Include material and installation of Ramboard floor protection for all corridors and classrooms receiving overhead work throughout school. With additional material quantity of 50% to be installed by MCC temporary cleaning labor.
- 11. All plumbing, HVAC and electrical demolition will be by others.
- 12. Include \$10,000.00 allowance for un-attributable damages incurred during construction. This Subcontractor shall submit daily work tickets to Monteith Constructions Superintendent to sign when this work is being performed. Any portion of the money that is not used by the end of project shall be credited back to Monteith Construction.
- 13. Provide all tools, equipment, hoisting, lifting, etc. as required to perform the work under this bid package:
 - a. Erection, dismantle, maintenance, and inspections are included.



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- b. Maintenance and inspection requirements remain the responsibility of this Bid Package for the entire duration.
- c. Multiple deliveries and mobilizations of erection equipment required to fully erect scaffolding as the work of this Bid Package progresses are included.
- d. Provide safe, controlled access under / through scaffolding into and out of the buildings at exterior door locations.

GENERAL

- 1. See drawing CS-04 for phasing plan.
- 2. All disruptive construction activities to be performed after school hours as determined by MCC.
- 3. Supply attic stock as required per specifications.
- 4. Provide samples and mock-ups as required.
- 5. Field dimensions, layout, measurements, and engineering required for this scope of work shall be provided by this Subcontractor.
- 6. Clean-up all debris created by this Subcontractor on a daily basis. If this subcontractor fails to do so, the Owner and the Construction Manager reserves the right to hire a cleaning company to clean these areas at this Subcontractor's expense.
- Submittals, samples, and shop drawings shall be provided by this Subcontractor for all materials being furnished and/or installed for this scope of work. They are to be submitted within sixty (60) days from Notice to Proceed or sooner if required so that they will enable all affected parties to meet the Project Schedule.
- 8. Multiple mobilizations may be required to perform this scope of work and all costs to perform the work in accordance with the Project Schedule are included.
- 9. It is the responsibility of this Subcontractor to review the other Bid Packages to ensure that the work scope included herein is not duplicated in other Bid Packages. If it is included in other Bid Packages, notify the Construction Manager immediately so that this work can be removed from one of the Bid Packages. If no notification is made, this Subcontractor will be responsible for the duplicated work.
- 10. Review architectural details with civil and structural details to ensure coordination has been made. Report any design discrepancies discovered to the Construction Manager immediately.
- 11. This Subcontractor is responsible for the quality of all work associated with this Bid Package and is responsible for any and all costs associated with any non-conformance with specified requirements.
- 12. The Owner will employ an independent testing agency (ITA) to perform all testing and inspection services required. This Subcontractor will be required to cooperate with ITA during all inspections. This Subcontractor will be responsible to notify the Construction Manager twenty-four (24) hours in advance of any required inspections. The Construction Manager will be



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responsible for scheduling all inspections. All results are to be reported in a field report issued by the ITA to the Construction Manager for distribution to this Subcontractor, the A/E, the Owner, and the Building Inspector.

13. Must follow Monteith Constructions Waste Management Policy.

SPECIAL CONDITIONS

- Reference the Special Conditions to the Contract section for temporary measures, hoisting, clean-up, and other additional requirements under this Bid Package.
- 2. Include expected durations for delivery and installation of this scope of work.
- 3. All deliveries must be coordinated and scheduled with the Construction Manager's project superintendent prior to delivery on site.

SAFETY

- This Subcontractor is fully responsible and accountable for safely performing this Bid Package scope of work. The following items are typical safety requirements that shall be included in the scope of work, but are not intended to exclude any safety related item that may be required: personal protective equipment, traffic control, material handling and equipment safety, hazardous material safety, etc.
- 2. Subcontractors and their lower tier subcontractors will be required to comply with Temporary Facilities and Controls, all applicable OSHA standards, and other local, state, and federal regulations. The more stringent of these will apply.
- 3. This Subcontractor is fully responsible and accountable for safely performing this Bid Packages scope of work. The following items are typical safety requirements that shall be included in the scope of work, but is not intended to exclude any safety related item that may be required: personal protective equipment, fall arrest systems, fall protection barricades, scaffolding and ladder safety, electrical safety, hoist way and machine room safety, material handling and equipment safety, etc. and other required safety provisions.
- 4. All scaffolding, erection, dismantling, access and use of scaffolding are to be in full compliance with local and state regulations
- 5. Provide all traffic control (barricades, fences, flagmen, temporary signage, etc.) as required by the City of Wilmington, NCDOT, etc. to complete all work under this Bid Package.
- Subcontractor is responsible to comply with Monteith Construction Safety Manual. Items include, but are not limited to the follow:
 - a. New employee training
 - b. Weekly toolbox talks
 - c. Task specific training
 - d. Drug and alcohol screening
 - e. Injury management



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7. This contractor to provide all drinking water for employees.

ALLOWANCES

Allowance 1: Removal of 2,000 linear feet of unused data and telecom cabling. (#BP 26)

UNIT PRICES

Unit Price 1: Removal of unused data and telecom cabling, and strapping and J-hooks as required per code. \$_____ per linear foot. (#BP 26)

Unit Price 2 (Alternate #2): Removal of unsuitable soils and placement of compacted gravel as required for placement and transport of Mobile units. (#BP 31)

ALTERNATES

Alternate #1: State the amount to be added to the base bid to construct the modifications to the student drop-off area and parking area as delineated in the civil drawings. Scope includes, but is not limited to the following:

Mill existing asphalt and install asphalt overlay per plans and specifications. Work also includes removing, salvaging, and re-installing existing concrete wheel stops and accessible parking signage, and installing new traffic striping and crosswalks.

Remove existing gravel and install new heavy-duty asphalt per plans and specifications. Work also includes installing new concrete sidewalk, steel bollards and chain, concrete wheel stops, traffic striping, landscaping and associated stormwater pipe/system and erosion control measures.

Alternate #2: State the amount to be added to the base bid to construct the mobile units including all required gravel, sidewalks, water systems, sanitary sewer systems, and other associated infrastructure as delineated in the contract documents.

Alternate #2 shall also include a \$5,000 allowance for Aluminum Ramp Foundations per A2.05.

Include all crossover connections between mobile floors as indicated in the drawings and as needed for a complete, functioning electrical system.

Include disconnecting of all security, fire alarm, data, and building crossovers and mobile unit power feeds at completion of project.

Include integration of all fire alarm, data, and PA with main building systems.



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Include sanitary sewer manifold for mobile units as required to connect drops from all fixtures.

Include connection of domestic water at one location on each mobile unit (2). Domestic water to be brought within 5' of each mobile unit. Include all insulation of water piping above grade.

Site contractor to bring new sanitary sewer main within 5 feet of each set of mobile units.

Include the demolition and removal of all sanitary sewer manifolds and domestic water connection at the completion of the project.

Alternate #3: State the amount to be added to the base bid to replace with new all electrical devices as delineated in the electrical drawings.

Alternate #4: State the amount to be added to the base bid to provide new infrastructure in (33) classrooms for Recordex boards. Recordex boards shall be Owner supplied and Contractor installed.

Alternate #4 shall also include removal of (33) white boards with patch, repair, and paint of full extent of wall from which the board is removed.

Base bid shall include reinstallation of (33) salvaged projectors by a vendor qualified by the manufacturer of the existing projectors to be salvaged.

PREFERRED BRAND ALTERNATES

Alternate #5: State the amount to be added to the base bid to provide the basis of design door hardware as specified in section 08 71 00. No Substitutions permitted.

Alternate #6: State the amount to be added to the base bid to provide Johnson DDC controls as specified in section 23 09 23. No substitutions permitted.

Alternate #7: State the amount to be added to the base bid to provide Bogen intercom speakers and OWI speakers as specified in 27 51 16. No substitutions permitted.

Alternate #8: State the amount to be added to the base bid to provide a Notifier fire alarm system as specified in section 28 46 21. No substitutions permitted.

Alternate #9: State the amount to be added to the base bid to provide a United Security Products emergency panic alarm system as specified in section 28 16 00. No substitutions permitted.

Bid Package #BP 04 04 22 10 Unit Masonry Assemblies



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07 84 46 Fire Resistive Joint Systems Description of Work

The following information is provided to define and describe the scope of work required of the successful Bidder and is intended to be complementary with the requirements of all other Contract Documents.

The scope of the work shall include, but not necessarily be limited to, providing the following:

MASONRY

- 1. Provide all masonry work for a complete installation including, but not limited to the following: concrete masonry units (CMU), face brick, salvaged brick, mortar (include colored mortar if required), mortar admixtures, grout, concrete fill, reinforcing steel bars (within masonry CMU cells), rebar positioners, rebar caps, anchors (including seismic, veneer, dovetail, rigid, etc. anchors where required), ties, horizontal joint reinforcing, weeps, vents, control joints, compressible filler strips, expansion joints, through wall flashing, rigid insulation, cavity drainage material, mortar net, pointing, cleaning, mock-ups, bituminous dampproofing, etc. as may be required to provide a complete and functional masonry package, whether detailed and/or implied on the Contract Documents, this Subcontractor is responsible for providing that item.
- Reinforcing steel bars shall be installed per contract documents, including all epoxy to existing surfaces.
- 3. Provide UL listed CMU at rated walls as required. Including labeling of rated walls.
- 4. Prior to construction, if the reinforcing is indicated as embedded in the concrete. Straighten and/or properly align this reinforcing as required for masonry installation and proper fit inside the masonry systems.
- 5. Installation of all miscellaneous steel within the masonry work including, but not limited to, bearing plates, angles, lintels, anchor bolts, shelf angles, wide flange lintels detailed in Lintel Schedule is by this Subcontractor. Including HC lift brackets, bearing plates and or inserts. Miscellaneous steel items will be furnished by the Structural Steel and Miscellaneous Metals Subcontractor.
- 6. All grout fill, concrete, insulation, mortar and/or sand fill in masonry is by the Subcontractor.
- 7. All infill and grouting of structural steel (joist ends, wide flange beam ends, wide flange beams, etc.) set by the Structural Steel and Miscellaneous Metals Subcontractor within the masonry work is by this Subcontractor.
- Block-outs, embeds, sleeves for penetrations, openings, attachments, etc. will be furnished by other trades for installation in masonry work by this Subcontractor. Including all permanent and or non-permanent materials required for openings. Coordinate with the other trades in regard to locations.



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- 10. Provide fire-safing at partition heads of rated masonry walls. Fire-stopping at penetrations to rated walls will be by the Subcontractor making penetration.
- 11. Installation and grouting of hollow metal frames in masonry is by this Subcontractor. This includes receiving, unloading, inventorying, storing, all required non-permanent materials and protecting frames.
- 12. All exposed interior wall outside corners shall be bull nosed.

9. Provide all required return air openings in full height interior walls.

- 13. This subcontractor is responsible for all bond beams.
- 14. Ensure exterior block walls are properly reinforced and prepared for window, louver, and/or door frame attachment per wind-loading and governing code requirements.
- 15. Include all required through-wall flashing and weeps. Provide shop drawings for project specific flashing details for review and approval. Through-wall flashing is to be cut flush with brick veneer wall after wall construction is complete.
- 16. Provide grouting of cavity in areas as indicated. This includes entire shower bench area to allow for finish materials.
- 17. Include the removal of concrete block, grout, and brick debris.
- 18. Provide expansion and control joints within this work. Treatment of joint to be per installation instructions.
- 19. Provide temporary bracing of all walls as required. Bracing shop drawings are to be submitted for review and approval.
- 20. Provide all scaffolding, tools, equipment, hoisting, lifting, etc. as required to perform the work under this bid package:
 - a. Erection, dismantle, maintenance, and inspections are included.
 - b. Maintenance and inspection requirements remain the responsibility of this Bid Package for the entire duration.
 - c. Multiple deliveries and mobilizations of erection equipment required to fully erect scaffolding as the work of this Bid Package progresses are included.
 - d. Provide safe, controlled access under / through scaffolding into and out of the buildings at exterior door locations.
 - e. Include all necessary equipment to deliver, erect, and dismantle all scaffolding. Any access, dunnage, and other required site provisions for this equipment are the responsibility of this Bid Package. Areas will be brought to required subgrades as indicated on the Contract Documents by the Earthwork, Site Utilities, and Site Improvements Subcontractor. Any other required sub-grade preparations to set scaffolding are the responsibility of this Bid Package.
- 21. Point and patch all new masonry work installed by this Bid Package.



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- 22. Clean exposed masonry at work completion. Verify that all cleaning agents do not adversely affect adjacent materials (aluminum, etc.) and include the protection of these adjacent materials to avoid damage of cleaning materials prior to beginning work.
- 23. Clean off footings, slabs and brick ledges, and dewater excavations or other areas, if necessary, for installation of masonry work.
- 24. Clean all adjoining surfaces immediately of all mortar splashes.
- 25. Perform work in such a manner that the cavity wall air space remains clear of mortar / debris. Cavity to be maintained by this Subcontractor throughout construction.
- 26. This Subcontractor will be provided with a mixing and sand pit location outside the building at a location determined by Monteith Construction. This Subcontractor shall keep the sand pit clean of all mud and debris to avoid contamination of sand. This Subcontractor shall install gravel if necessary, to maintain clean sand pit and/or mixing areas. Remove and dispose of stone, sand, etc. and bring areas back to same condition it was turned over to this Subcontractor.
- 27. Provide adequate protection at all floor areas during masonry and grouting operations.
- 28. Include provisions for cold weather work as required including hot water, temporary heat, enclosures, blankets, etc.

GENERAL

- 1. See drawing CS-04 for phasing plan.
- 2. All disruptive construction activities to be performed after school hours as determined by MCC.
- 3. Supply attic stock as required per specifications.
- 4. Provide samples and mock-ups as required.
- 5. Field dimensions, layout, measurements, and engineering required for this scope of work shall be provided by this Subcontractor.
- Clean-up all debris created by this Subcontractor on a daily basis. If this subcontractor fails to do
 so, the Owner and the Construction Manager reserves the right to hire a cleaning company to
 clean these areas at this Subcontractor's expense.
- Submittals, samples, and shop drawings shall be provided by this Subcontractor for all materials being furnished and/or installed for this scope of work. They are to be submitted within sixty (60) days from Notice to Proceed or sooner if required so that they will enable all affected parties to meet the Project Schedule.
- 8. Multiple mobilizations may be required to perform this scope of work and all costs to perform the work in accordance with the Project Schedule are included.
- 9. It is the responsibility of this Subcontractor to review the other Bid Packages to ensure that the work scope included herein is not duplicated in other Bid Packages. If it is included in other Bid Packages, notify the Construction Manager immediately so that this work can be removed from



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one of the Bid Packages. If no notification is made, this Subcontractor will be responsible for the duplicated work.

- Review architectural details with civil and structural details to ensure coordination has been made. Report any design discrepancies discovered to the Construction Manager immediately.
- 11. This Subcontractor is responsible for the quality of all work associated with this Bid Package and is responsible for any and all costs associated with any non-conformance with specified requirements.
- 12. The Owner will employ an independent testing agency (ITA) to perform all testing and inspection services required. This Subcontractor will be required to cooperate with ITA during all inspections. This Subcontractor will be responsible to notify the Construction Manager twenty-four (24) hours in advance of any required inspections. The Construction Manager will be responsible for scheduling all inspections. All results are to be reported in a field report issued by the ITA to the Construction Manager for distribution to this Subcontractor, the A/E, the Owner, and the Building Inspector.
- 13. Must follow Monteith Constructions Waste Management Policy.

SPECIAL CONDITIONS

- 1. Reference the Special Conditions to the Contract section for temporary measures, hoisting, clean-up, and other additional requirements under this Bid Package.
- 2. Include expected durations for delivery and installation of this scope of work.
- 3. All deliveries must be coordinated and scheduled with the Construction Manager's project superintendent prior to delivery on site.

SAFETY

- This Subcontractor is fully responsible and accountable for safely performing this Bid Package scope of work. The following items are typical safety requirements that shall be included in the scope of work, but are not intended to exclude any safety related item that may be required: personal protective equipment, traffic control, material handling and equipment safety, hazardous material safety, etc.
- Subcontractors and their lower tier subcontractors will be required to comply with Temporary
 Facilities and Controls, all applicable OSHA standards, and other local, state, and federal
 regulations. The more stringent of these will apply.
- 3. This Subcontractor is fully responsible and accountable for safely performing this Bid Packages scope of work. The following items are typical safety requirements that shall be included in the scope of work, but is not intended to exclude any safety related item that may be required: personal protective equipment, fall arrest systems, fall protection barricades, scaffolding and ladder safety, electrical safety, hoist way and machine room safety, material handling and equipment safety, etc. and other required safety provisions.



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- 4. All scaffolding, erection, dismantling, access and use of scaffolding are to be in full compliance with local and state regulations
- Provide all traffic control (barricades, fences, flagmen, temporary signage, etc.) as required by the City of Wilmington, NCDOT, etc. to complete all work under this Bid Package.
- 6. Subcontractor is responsible to comply with Monteith Construction Safety Manual. Items include, but are not limited to the follow:
 - a. New employee training
 - b. Weekly toolbox talks
 - c. Task specific training
 - d. Drug and alcohol screening
 - e. Injury management
- 7. This contractor to provide all drinking water for employees.

ALLOWANCES

Allowance 1: Removal of 2,000 linear feet of unused data and telecom cabling. (#BP 26)

UNIT PRICES

Unit Price 1: Removal of unused data and telecom cabling, and strapping and J-hooks as required per code. \$_____ per linear foot. (#BP 26)

Unit Price 2 (Alternate #2): Removal of unsuitable soils and placement of compacted gravel as required for placement and transport of Mobile units. (#BP 31)

ALTERNATES

Alternate #1: State the amount to be added to the base bid to construct the modifications to the student drop-off area and parking area as delineated in the civil drawings. Scope includes, but is not limited to the following:

Mill existing asphalt and install asphalt overlay per plans and specifications. Work also includes removing, salvaging, and re-installing existing concrete wheel stops and accessible parking signage, and installing new traffic striping and crosswalks.

Remove existing gravel and install new heavy-duty asphalt per plans and specifications. Work also includes installing new concrete sidewalk, steel bollards and chain, concrete wheel stops, traffic striping, landscaping and associated stormwater pipe/system and erosion control measures.

Alternate #2: State the amount to be added to the base bid to construct the mobile units including all required gravel, sidewalks, water systems, sanitary sewer systems, and other associated infrastructure as delineated in the contract documents.



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Alternate #2 shall also include a \$5,000 allowance for Aluminum Ramp Foundations per A2.05.

Include all crossover connections between mobile floors as indicated in the drawings and as needed for a complete, functioning electrical system.

Include disconnecting of all security, fire alarm, data, and building crossovers and mobile unit power feeds at completion of project.

Include integration of all fire alarm, data, and PA with main building systems.

Include sanitary sewer manifold for mobile units as required to connect drops from all fixtures. Site contractor to bring new sanitary sewer main within 5 feet of each set of mobile units.

Include connection of domestic water at one location on each mobile unit (2). Domestic water to be brought within 5' of each mobile unit. Include all insulation of water piping above grade.

Include the demolition and removal of all sanitary sewer manifolds and domestic water connection at the completion of the project.

Alternate #3: State the amount to be added to the base bid to replace with new all electrical devices as delineated in the electrical drawings.

Alternate #4: State the amount to be added to the base bid to provide new infrastructure in (33) classrooms for Recordex boards. Recordex boards shall be Owner supplied and Contractor installed.

Alternate #4 shall also include removal of (33) white boards with patch, repair, and paint of full extent of wall from which the board is removed.

Base bid shall include reinstallation of (33) salvaged projectors by a vendor qualified by the manufacturer of the existing projectors to be salvaged.

PREFERRED BRAND ALTERNATES

Alternate #5: State the amount to be added to the base bid to provide the basis of design door hardware as specified in section 08 71 00. No Substitutions permitted.

Alternate #6: State the amount to be added to the base bid to provide Johnson DDC controls as specified in section 23 09 23. No substitutions permitted.

Alternate #7: State the amount to be added to the base bid to provide Bogen intercom speakers and OWI speakers as specified in 27 51 16. No substitutions permitted.



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Alternate #8: State the amount to be added to the base bid to provide a Notifier fire alarm system as specified in section 28 46 21. No substitutions permitted.

Alternate #9: State the amount to be added to the base bid to provide a United Security Products emergency panic alarm system as specified in section 28 16 00. No substitutions permitted.

Bid Package #BP 07
07 01 50 Preparation for Reroofing
07 21 00 Thermal Insulation
07 28 00 Membrane Air and Vapor Barriers
07 54 00 Thermoplastic Single-Ply Roofing
07 62 00 Sheet Metal Flashing and Trim
07 72 00 Roof Accessories
07 84 46 Fire Resistive Joint Systems
07 90 00 Joint Sealants
07 95 00 Expansion Control

Description of Work

The following information is provided to define and describe the scope of work required of the successful Bidder and is intended to be complementary with the requirements of all other Contract Documents.

The scope of the work shall include, but not necessarily be limited to, providing the following:

ROOFING AND SHEET METAL

1. This Subcontractor shall provide all roofing and sheet metal work that includes but is not limited to the following: Demolition of existing roof and sub systems as required, OSB board, Polyiso insulation, underlayment materials, ice and water shield, gutters and downspouts, roof related flashing, counter-flashing, roof curb flashing, equipment support flashing, pipe flashing, metal coping, gravel stops, fascia, metal caps, trim, sheet metal, fasteners, adhesives, caulking and sealants (within roofing system), wood blocking, wood nailers, wood cants, plywood sheathing, wood backing, expansion joints and covers, warranties, etc. as may be required to provide



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complete and functional roofing and sheet metal system whether detailed and/or implied on the Contract Documents.

- 2. Work shall be performed in such a manner that building dry in status shall not be breached for more than a day.
- 3. Provide flashing of roof curbs and equipment support penetrations on the roof that are furnished by other Subcontractors.
- 4. Provide all wood blocking, backing, cants, etc. directly behind the work of this Bid Package.
- 5. Provide flashing and pockets as required for other trades in contact with or penetrating roof.
- 6. Provide roof-related flashing and embeds installed integrally with other materials such as reglets / receivers in masonry, reglets / receivers behind metal panels, etc.
- 7. Provide project specific flashing details for all conditions. Detail interfaces with work provided by other trades.
- 8. Provide warranties as described in specifications.
- 9. Include inspection and observation by manufacturers' representatives / inspectors as required.
- 10. This Subcontractor shall provide all flashing, pockets, and seal all mechanical, plumbing, electrical, and other penetrations though roof so as to make all assemblies completely waterproof. This includes flashing of roof curbs and equipment support penetrations on the roof that are furnished by other Subcontractors.
- 11. Roofing materials shall be distributed such that unacceptable concentrated loads on the roof structure are eliminated. Coordinate the location of materials to be placed on the roof with the Construction Manager.
- 12. This Subcontractor is responsible for making all cuts and patching penetrations in roofing materials required by others.
- 13. Provide temporary roofing and weather protection as required that includes but is not limited to plywood, roofing membrane, caulking and sealants, etc. at all roof openings, curbs, etc. until permanent equipment and/or roofing system is installed to keep the building weather tight.
- 14. This Subcontractor is responsible for cleaning all surfaces receiving roofing materials prior to placing roofing system.
- 15. This Subcontractor shall prepare a written journal of any roof defects and listings of corrective action taken to remedy throughout the project until Owner acceptance.
- 16. This Subcontractor is responsible for keeping the roof cleaned on a continual basis during installation to prevent stains and damage and shall provide a final cleaning of the roofing system upon completion of this work.
- Curbs for any required mechanical equipment will be provided by the Mechanical Subcontractor.



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GENERAL

- 1. See drawing CS-04 for phasing plan.
- 2. All disruptive construction activities to be performed after school hours as determined by MCC.
- 3. Supply attic stock as required per specifications.
- 4. Provide samples and mock-ups as required.
- 5. Field dimensions, layout, measurements, and engineering required for this scope of work shall be provided by this Subcontractor.
- 6. Clean-up all debris created by this Subcontractor on a daily basis. If this subcontractor fails to do so, the Owner and the Construction Manager reserves the right to hire a cleaning company to clean these areas at this Subcontractor's expense.
- Submittals, samples, and shop drawings shall be provided by this Subcontractor for all materials being furnished and/or installed for this scope of work. They are to be submitted within sixty (60) days from Notice to Proceed or sooner if required so that they will enable all affected parties to meet the Project Schedule.
- 8. Multiple mobilizations may be required to perform this scope of work and all costs to perform the work in accordance with the Project Schedule are included.
- 9. It is the responsibility of this Subcontractor to review the other Bid Packages to ensure that the work scope included herein is not duplicated in other Bid Packages. If it is included in other Bid Packages, notify the Construction Manager immediately so that this work can be removed from one of the Bid Packages. If no notification is made, this Subcontractor will be responsible for the duplicated work.
- Review architectural details with civil and structural details to ensure coordination has been made. Report any design discrepancies discovered to the Construction Manager immediately.
- 11. This Subcontractor is responsible for the quality of all work associated with this Bid Package and is responsible for any and all costs associated with any non-conformance with specified requirements.
- 12. The Owner will employ an independent testing agency (ITA) to perform all testing and inspection services required. This Subcontractor will be required to cooperate with ITA during all inspections. This Subcontractor will be responsible to notify the Construction Manager twenty-four (24) hours in advance of any required inspections. The Construction Manager will be responsible for scheduling all inspections. All results are to be reported in a field report issued by the ITA to the Construction Manager for distribution to this Subcontractor, the A/E, the Owner, and the Building Inspector.
- 13. Must follow Monteith Constructions Waste Management Policy.



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SPECIAL CONDITIONS

- Reference the Special Conditions to the Contract section for temporary measures, hoisting, clean-up, and other additional requirements under this Bid Package.
- 2. Include expected durations for delivery and installation of this scope of work.
- 3. All deliveries must be coordinated and scheduled with the Construction Manager's project superintendent prior to delivery on site.

SAFETY

- This Subcontractor is fully responsible and accountable for safely performing this Bid Package scope of work. The following items are typical safety requirements that shall be included in the scope of work, but are not intended to exclude any safety related item that may be required: personal protective equipment, traffic control, material handling and equipment safety, hazardous material safety, etc.
- 2. Subcontractors and their lower tier subcontractors will be required to comply with Temporary Facilities and Controls, all applicable OSHA standards, and other local, state, and federal regulations. The more stringent of these will apply.
- 3. This Subcontractor is fully responsible and accountable for safely performing this Bid Packages scope of work. The following items are typical safety requirements that shall be included in the scope of work, but is not intended to exclude any safety related item that may be required: personal protective equipment, fall arrest systems, fall protection barricades, scaffolding and ladder safety, electrical safety, hoist way and machine room safety, material handling and equipment safety, etc. and other required safety provisions.
- 4. All scaffolding, erection, dismantling, access and use of scaffolding are to be in full compliance with local and state regulations
- 5. Provide all traffic control (barricades, fences, flagmen, temporary signage, etc.) as required by the City of Wilmington, NCDOT, etc. to complete all work under this Bid Package.
- 6. Subcontractor is responsible to comply with Monteith Construction Safety Manual. Items include, but are not limited to the follow:
 - a. New employee training
 - b. Weekly toolbox talks
 - c. Task specific training
 - d. Drug and alcohol screening
 - e. Injury management
- 7. This contractor to provide all drinking water for employees.

ALLOWANCES

Allowance 1: Removal of 2,000 linear feet of unused data and telecom cabling. (#BP 26)



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UNIT PRICES

Unit Price 1: Removal of unused data and telecom cabling, and strapping and J-hooks as required per code. \$_____ per linear foot. (#BP 26)

Unit Price 2 (Alternate #2): Removal of unsuitable soils and placement of compacted gravel as required for placement and transport of Mobile units. (#BP 31)

ALTERNATES

Alternate #1: State the amount to be added to the base bid to construct the modifications to the student drop-off area and parking area as delineated in the civil drawings. Scope includes, but is not limited to the following:

Mill existing asphalt and install asphalt overlay per plans and specifications. Work also includes removing, salvaging, and re-installing existing concrete wheel stops and accessible parking signage, and installing new traffic striping and crosswalks.

Remove existing gravel and install new heavy-duty asphalt per plans and specifications. Work also includes installing new concrete sidewalk, steel bollards and chain, concrete wheel stops, traffic striping, landscaping and associated stormwater pipe/system and erosion control measures.

Alternate #2: State the amount to be added to the base bid to construct the mobile units including all required gravel, sidewalks, water systems, sanitary sewer systems, and other associated infrastructure as delineated in the contract documents.

Alternate #2 shall also include a \$5,000 allowance for Aluminum Ramp Foundations per A2.05.

Include all crossover connections between mobile floors as indicated in the drawings and as needed for a complete, functioning electrical system.

Include disconnecting of all security, fire alarm, data, and building crossovers and mobile unit power feeds at completion of project.

Include integration of all fire alarm, data, and PA with main building systems.

Include sanitary sewer manifold for mobile units as required to connect drops from all fixtures. Site contractor to bring new sanitary sewer main within 5 feet of each set of mobile units.

Include connection of domestic water at one location on each mobile unit (2). Domestic water to be brought within 5' of each mobile unit. Include all insulation of water piping above grade.



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Include the demolition and removal of all sanitary sewer manifolds and domestic water connection at the completion of the project.

Alternate #3: State the amount to be added to the base bid to replace with new all electrical devices as delineated in the electrical drawings.

Alternate #4: State the amount to be added to the base bid to provide new infrastructure in (33) classrooms for Recordex boards. Recordex boards shall be Owner supplied and Contractor installed.

Alternate #4 shall also include removal of (33) white boards with patch, repair, and paint of full extent of wall from which the board is removed.

Base bid shall include reinstallation of (33) salvaged projectors by a vendor qualified by the manufacturer of the existing projectors to be salvaged.

PREFERRED BRAND ALTERNATES

Alternate #5: State the amount to be added to the base bid to provide the basis of design door hardware as specified in section 08 71 00. No Substitutions permitted.

Alternate #6: State the amount to be added to the base bid to provide Johnson DDC controls as specified in section 23 09 23. No substitutions permitted.

Alternate #7: State the amount to be added to the base bid to provide Bogen intercom speakers and OWI speakers as specified in 27 51 16. No substitutions permitted.

Alternate #8: State the amount to be added to the base bid to provide a Notifier fire alarm system as specified in section 28 46 21. No substitutions permitted.

Alternate #9: State the amount to be added to the base bid to provide a United Security Products emergency panic alarm system as specified in section 28 16 00. No substitutions permitted.

Bid Package #BP 08A
08 11 13 Hollow Metal Doors and Frames
08 14 16 Flush Wood Doors
08 71 00 Door Hardware
Description of Work



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The following information is provided to define and describe the scope of work required of the successful Bidder and is intended to be complementary with the requirements of all other Contract Documents.

The scope of the work shall include, but not necessarily be limited to, providing the following:

DOORS AND DOOR HARDWARE

- This Subcontractor is responsible for providing all hollow metal doors and frames, hollow metal sidelites, hollow metal transoms, and hollow metal window frames including the installation of hollow metal doors, wood doors and hardware. All wood doors are also by this Subcontractor.
- 2. Prior to starting work, this Subcontractor should examine / inspect the wall openings. If there are problems with the wall openings that would prevent satisfactory installation of this Subcontractor's scope of work, it should be noted to the Construction Manager immediately. This inspection must be done prior to this Subcontractor starting work. This inspection will be done early enough in advance so that repairs, if required, will not impede the Project Schedule.
- 3. Provide any additional bracing, framing, reinforcing, support, and anchorage of work in this package as required for structural attachment, seismic requirements, and all governing codes and requirements.
- All hoisting and placement of materials is by this contractor. No elevator or lifting services will Be provided by construction manager.
- 5. Provide coping, flashing, counter flashing, thresholds, blind pockets and other trim pieces in contact with work in this package.
- 6. This Subcontractor is responsible for removing all labels from all exposed surfaces furnished under this Bid Package. Wipe down surfaces and provide initial cleaning of interior and exterior work provided by this Subcontractor. Subcontractor is responsible for removal of all stickers and mastic.
- 7. This Subcontractor is responsible for providing protection of all installed finished products, doors and hardware. It is this Subcontractors responsibility to determine the best means and methods to accomplish this and must provide this information to Monteith Construction prior to performing.
- 8. This contractor to provide all drinking water for employees.
- 9. Provide all accessories for doors and frames as listed in the specifications, on the door frame installation schedule and the door & frame notes.
- 10. Provided caulking and sealants integral to work in this package. Caulking at the exterior and interior side of exterior doors / hollow metal frames is by this Bid Package.
- 11. Provide all required finish hardware for work in this package. The Aluminum Door Hardware will be provided by others.
- 12. Include for all minor adjustments to doors for complete installation.
- 13. Provide louvers in doors as required.



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- 14. Provide touch-up of frame finishes on any damaged surfaces to the satisfaction of Construction Manager, Architect, and Owner.
- 15. Include temporary construction cores and permanent cores per keying as specified by New Hanover County schools.

GENERAL

- 1. See drawing CS-04 for phasing plan.
- 2. All disruptive construction activities to be performed after school hours as determined by MCC.
- 3. Supply attic stock as required per specifications.
- 4. Provide samples and mock-ups as required.
- 5. Field dimensions, layout, measurements, and engineering required for this scope of work shall be provided by this Subcontractor.
- 6. Clean-up all debris created by this Subcontractor on a daily basis. If this subcontractor fails to do so, the Owner and the Construction Manager reserves the right to hire a cleaning company to clean these areas at this Subcontractor's expense.
- Submittals, samples, and shop drawings shall be provided by this Subcontractor for all materials being furnished and/or installed for this scope of work. They are to be submitted within sixty (60) days from Notice to Proceed or sooner if required so that they will enable all affected parties to meet the Project Schedule.
- 8. Multiple mobilizations may be required to perform this scope of work and all costs to perform the work in accordance with the Project Schedule are included.
- 9. It is the responsibility of this Subcontractor to review the other Bid Packages to ensure that the work scope included herein is not duplicated in other Bid Packages. If it is included in other Bid Packages, notify the Construction Manager immediately so that this work can be removed from one of the Bid Packages. If no notification is made, this Subcontractor will be responsible for the duplicated work.
- 10. Review architectural details with civil and structural details to ensure coordination has been made. Report any design discrepancies discovered to the Construction Manager immediately.
- 11. This Subcontractor is responsible for the quality of all work associated with this Bid Package and is responsible for any and all costs associated with any non-conformance with specified requirements.
- 12. The Owner will employ an independent testing agency (ITA) to perform all testing and inspection services required. This Subcontractor will be required to cooperate with ITA during all inspections. This Subcontractor will be responsible to notify the Construction Manager twenty-four (24) hours in advance of any required inspections. The Construction Manager will be responsible for scheduling all inspections. All results are to be reported in a field report issued



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by the ITA to the Construction Manager for distribution to this Subcontractor, the A/E, the Owner, and the Building Inspector.

13. Must follow Monteith Constructions Waste Management Policy.

SPECIAL CONDITIONS

- Reference the Special Conditions to the Contract section for temporary measures, hoisting, clean-up, and other additional requirements under this Bid Package.
- 2. Include expected durations for delivery and installation of this scope of work.
- 3. All deliveries must be coordinated and scheduled with the Construction Manager's project superintendent prior to delivery on site.

SAFETY

- This Subcontractor is fully responsible and accountable for safely performing this Bid Package scope of work. The following items are typical safety requirements that shall be included in the scope of work, but are not intended to exclude any safety related item that may be required: personal protective equipment, traffic control, material handling and equipment safety, hazardous material safety, etc.
- Subcontractors and their lower tier subcontractors will be required to comply with Temporary
 Facilities and Controls, all applicable OSHA standards, and other local, state, and federal
 regulations. The more stringent of these will apply.
- 3. This Subcontractor is fully responsible and accountable for safely performing this Bid Packages scope of work. The following items are typical safety requirements that shall be included in the scope of work, but is not intended to exclude any safety related item that may be required: personal protective equipment, fall arrest systems, fall protection barricades, scaffolding and ladder safety, electrical safety, hoist way and machine room safety, material handling and equipment safety, etc. and other required safety provisions.
- 4. All scaffolding, erection, dismantling, access and use of scaffolding are to be in full compliance with local and state regulations
- Provide all traffic control (barricades, fences, flagmen, temporary signage, etc.) as required by the City of Wilmington, NCDOT, etc. to complete all work under this Bid Package.
- 6. Subcontractor is responsible to comply with Monteith Construction Safety Manual. Items include, but are not limited to the follow:
 - a. New employee training
 - b. Weekly toolbox talks
 - c. Task specific training
 - d. Drug and alcohol screening
 - e. Injury management
- 7. This contractor to provide all drinking water for employees.



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ALLOWANCES

Allowance 1: Removal of 2,000 linear feet of unused data and telecom cabling. (#BP 26)

UNIT PRICES

Unit Price 1: Removal of unused data and telecom cabling, and strapping and J-hooks as required per code. \$_____ per linear foot. (#BP 26)

Unit Price 2 (Alternate #2): Removal of unsuitable soils and placement of compacted gravel as required for placement and transport of Mobile units. (#BP 31)

ALTERNATES

Alternate #1: State the amount to be added to the base bid to construct the modifications to the student drop-off area and parking area as delineated in the civil drawings. Scope includes, but is not limited to the following:

Mill existing asphalt and install asphalt overlay per plans and specifications. Work also includes removing, salvaging, and re-installing existing concrete wheel stops and accessible parking signage, and installing new traffic striping and crosswalks.

Remove existing gravel and install new heavy-duty asphalt per plans and specifications. Work also includes installing new concrete sidewalk, steel bollards and chain, concrete wheel stops, traffic striping, landscaping and associated stormwater pipe/system and erosion control measures.

Alternate #2: State the amount to be added to the base bid to construct the mobile units including all required gravel, sidewalks, water systems, sanitary sewer systems, and other associated infrastructure as delineated in the contract documents.

Alternate #2 shall also include a \$5,000 allowance for Aluminum Ramp Foundations per A2.05.

Include all crossover connections between mobile floors as indicated in the drawings and as needed for a complete, functioning electrical system.

Include disconnecting of all security, fire alarm, data, and building crossovers and mobile unit power feeds at completion of project.

Include integration of all fire alarm, data, and PA with main building systems.

Include sanitary sewer manifold for mobile units as required to connect drops from all fixtures. Site contractor to bring new sanitary sewer main within 5 feet of each set of mobile units.



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Include connection of domestic water at one location on each mobile unit (2). Domestic water to be brought within 5' of each mobile unit. Include all insulation of water piping above grade.

Include the demolition and removal of all sanitary sewer manifolds and domestic water connection at the completion of the project.

Alternate #3: State the amount to be added to the base bid to replace with new all electrical devices as delineated in the electrical drawings.

Alternate #4: State the amount to be added to the base bid to provide new infrastructure in (33) classrooms for Recordex boards. Recordex boards shall be Owner supplied and Contractor installed.

Alternate #4 shall also include removal of (33) white boards with patch, repair, and paint of full extent of wall from which the board is removed.

Base bid shall include reinstallation of (33) salvaged projectors by a vendor qualified by the manufacturer of the existing projectors to be salvaged.

PREFERRED BRAND ALTERNATES

Alternate #5: State the amount to be added to the base bid to provide the basis of design door hardware as specified in section 08 71 00. No Substitutions permitted.

Alternate #6: State the amount to be added to the base bid to provide Johnson DDC controls as specified in section 23 09 23. No substitutions permitted.

Alternate #7: State the amount to be added to the base bid to provide Bogen intercom speakers and OWI speakers as specified in 27 51 16. No substitutions permitted.

Alternate #8: State the amount to be added to the base bid to provide a Notifier fire alarm system as specified in section 28 46 21. No substitutions permitted.

Alternate #9: State the amount to be added to the base bid to provide a United Security Products emergency panic alarm system as specified in section 28 16 00. No substitutions permitted.

Bid Package #BP 09C
09 30 00 Tiling
Description of Work



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The following information is provided to define and describe the scope of work required of the successful Bidder and is intended to be complementary with the requirements of all other Contract Documents.

The scope of the work shall include, but not necessarily be limited to, providing the following:

TILING

- 1. Provide all ceramic tile work for a complete installation including, but not limited to the following: porcelain tile, porcelain wall tile, base, marble thresholds, thresholds at tile, special shapes, tile accessories, trim pieces, setting material, grout, waterproof membrane, crack isolation membrane, stone thresholds, transitions, surface preparation, floor leveling, sealants, expansion joints, control joints, isolation joints, floor protection, cleaning, sealants, etc. as may be required to provide a complete and functional hard tile package, whether detailed and/or implied on the Contract Documents, this Subcontractor is responsible for providing that item.
- Provide detailed shop drawings indicating tile type and color to be used in all areas. Indicate all transitions and thresholds.
- 3. Provide waterproofing systems, crack isolation membranes, and surface preparation as necessary for installation of this work.
- 4. Provide setting beds and adhesives as required for this work. Slope finished tile surface to drains in any thick-set applications or as substrate allows in thin-set applications.
- 5. Review substrates and perform field measurements of areas to receive tile two weeks prior to the scheduled start of work for each area. Immediately notify the Construction Manager in writing of any unacceptable substrates, allowing adequate time for corrective work to be performed prior to the scheduled start of your work for that area. Start of tiling work indicates acceptance of substrate conditions and full responsibility for completed work.
- 6. Provide tile sizes as shown noted in Contract Documents using manufactured pieces. Cut tiles only when uncut pieces cannot be used.
- 7. Layout tile patterns at each area for approval by Architect, Owner, and Monteith Construction prior to tile installation.
- 8. Provide special tile trim pieces at any location that require special trim pieces.
- 9. Provide waterproofing systems, crack isolation membranes, and surface preparation as necessary for installation of this work. Turn waterproofing and tile up 4" at all walls.
- 10. Provide surface preparation as necessary for installation of this work, including minor reasonable floor leveling / preparation of subsurface (examples: minor low spots, concrete control joints, etc.).
- 11. This Subcontractor shall clean all floor and wall tile at completion of work.
- 12. It is responsibility of this Subcontractor to provide protection of floor and wall tile work installed by this Bid Package. Cardboard / fiberboard, as a minimum, shall be installed as floor protection.



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Tape all joints to prevent displacement of cardboard / fiberboard. Maintain and remove floor and wall protection as directed by Monteith Construction.

- 13. Provide underlayment compound and surface preparation as necessary for installation of this
- 14. Cut tiles neatly around other trades work such as receptacles, switches, thermostats, specialties, Wall penetrations, escutcheons, etc.
- 15. Caulking and sealants are included as required.
- 16. Coordinate all tile joints with concrete joints.
- 17. Clean and protect tile surfaces in accordance with the specifications. Leave protection in place for removal by Final Cleaning Subcontractor. The floor protection shall be Ram Board (or equal as approved by Construction Manager), installed wall to wall with taped joints.

GENERAL

- 1. See drawing CS-04 for phasing plan.
- 2. All disruptive construction activities to be performed after school hours as determined by MCC.
- 3. Supply attic stock as required per specifications.
- 4. Provide samples and mock-ups as required.
- 5. Field dimensions, layout, measurements, and engineering required for this scope of work shall be provided by this Subcontractor.
- Clean-up all debris created by this Subcontractor on a daily basis. If this subcontractor fails to do
 so, the Owner and the Construction Manager reserves the right to hire a cleaning company to
 clean these areas at this Subcontractor's expense.
- Submittals, samples, and shop drawings shall be provided by this Subcontractor for all materials being furnished and/or installed for this scope of work. They are to be submitted within sixty (60) days from Notice to Proceed or sooner if required so that they will enable all affected parties to meet the Project Schedule.
- 8. Multiple mobilizations may be required to perform this scope of work and all costs to perform the work in accordance with the Project Schedule are included.
- 9. It is the responsibility of this Subcontractor to review the other Bid Packages to ensure that the work scope included herein is not duplicated in other Bid Packages. If it is included in other Bid Packages, notify the Construction Manager immediately so that this work can be removed from one of the Bid Packages. If no notification is made, this Subcontractor will be responsible for the duplicated work.
- 10. Review architectural details with civil and structural details to ensure coordination has been made. Report any design discrepancies discovered to the Construction Manager immediately.



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- 11. This Subcontractor is responsible for the quality of all work associated with this Bid Package and is responsible for any and all costs associated with any non-conformance with specified requirements.
- 12. The Owner will employ an independent testing agency (ITA) to perform all testing and inspection services required. This Subcontractor will be required to cooperate with ITA during all inspections. This Subcontractor will be responsible to notify the Construction Manager twenty-four (24) hours in advance of any required inspections. The Construction Manager will be responsible for scheduling all inspections. All results are to be reported in a field report issued by the ITA to the Construction Manager for distribution to this Subcontractor, the A/E, the Owner, and the Building Inspector.
- 13. Must follow Monteith Constructions Waste Management Policy.

SPECIAL CONDITIONS

- Reference the Special Conditions to the Contract section for temporary measures, hoisting, clean-up, and other additional requirements under this Bid Package.
- 2. Include expected durations for delivery and installation of this scope of work.
- 3. All deliveries must be coordinated and scheduled with the Construction Manager's project superintendent prior to delivery on site.

SAFETY

- This Subcontractor is fully responsible and accountable for safely performing this Bid Package scope of work. The following items are typical safety requirements that shall be included in the scope of work, but are not intended to exclude any safety related item that may be required: personal protective equipment, traffic control, material handling and equipment safety, hazardous material safety, etc.
- 2. Subcontractors and their lower tier subcontractors will be required to comply with Temporary Facilities and Controls, all applicable OSHA standards, and other local, state, and federal regulations. The more stringent of these will apply.
- 3. This Subcontractor is fully responsible and accountable for safely performing this Bid Packages scope of work. The following items are typical safety requirements that shall be included in the scope of work, but is not intended to exclude any safety related item that may be required: personal protective equipment, fall arrest systems, fall protection barricades, scaffolding and ladder safety, electrical safety, hoist way and machine room safety, material handling and equipment safety, etc. and other required safety provisions.
- 4. All scaffolding, erection, dismantling, access and use of scaffolding are to be in full compliance with local and state regulations
- 5. Provide all traffic control (barricades, fences, flagmen, temporary signage, etc.) as required by the City of Wilmington, NCDOT, etc. to complete all work under this Bid Package.



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- 6. Subcontractor is responsible to comply with Monteith Construction Safety Manual. Items include, but are not limited to the follow:
 - a. New employee training
 - b. Weekly toolbox talks
 - c. Task specific training
 - d. Drug and alcohol screening
 - e. Injury management
- 7. This contractor to provide all drinking water for employees.

ALLOWANCES

Allowance 1: Removal of 2,000 linear feet of unused data and telecom cabling. (#BP 26)

UNIT PRICES

Unit Price 1: Removal of unused data and telecom cabling, and strapping and J-hooks as required per code. \$______ per linear foot. (#BP 26)

Unit Price 2 (Alternate #2): Removal of unsuitable soils and placement of compacted gravel as required for placement and transport of Mobile units. (#BP 31)

ALTERNATES

Alternate #1: State the amount to be added to the base bid to construct the modifications to the student drop-off area and parking area as delineated in the civil drawings. Scope includes, but is not limited to the following:

Mill existing asphalt and install asphalt overlay per plans and specifications. Work also includes removing, salvaging, and re-installing existing concrete wheel stops and accessible parking signage, and installing new traffic striping and crosswalks.

Remove existing gravel and install new heavy-duty asphalt per plans and specifications. Work also includes installing new concrete sidewalk, steel bollards and chain, concrete wheel stops, traffic striping, landscaping and associated stormwater pipe/system and erosion control measures.

Alternate #2: State the amount to be added to the base bid to construct the mobile units including all required gravel, sidewalks, water systems, sanitary sewer systems, and other associated infrastructure as delineated in the contract documents.

Alternate #2 shall also include a \$5,000 allowance for Aluminum Ramp Foundations per A2.05.



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Include all crossover connections between mobile floors as indicated in the drawings and as needed for a complete, functioning electrical system.

Include disconnecting of all security, fire alarm, data, and building crossovers and mobile unit power feeds at completion of project.

Include integration of all fire alarm, data, and PA with main building systems.

Include sanitary sewer manifold for mobile units as required to connect drops from all fixtures. Site contractor to bring new sanitary sewer main within 5 feet of each set of mobile units.

Include connection of domestic water at one location on each mobile unit (2). Domestic water to be brought within 5' of each mobile unit. Include all insulation of water piping above grade.

Include the demolition and removal of all sanitary sewer manifolds and domestic water connection at the completion of the project.

Alternate #3: State the amount to be added to the base bid to replace with new all electrical devices as delineated in the electrical drawings.

Alternate #4: State the amount to be added to the base bid to provide new infrastructure in (33) classrooms for Recordex boards. Recordex boards shall be Owner supplied and Contractor installed.

Alternate #4 shall also include removal of (33) white boards with patch, repair, and paint of full extent of wall from which the board is removed.

Base bid shall include reinstallation of (33) salvaged projectors by a vendor qualified by the manufacturer of the existing projectors to be salvaged.

PREFERRED BRAND ALTERNATES

Alternate #5: State the amount to be added to the base bid to provide the basis of design door hardware as specified in section 08 71 00. No Substitutions permitted.

Alternate #6: State the amount to be added to the base bid to provide Johnson DDC controls as specified in section 23 09 23. No substitutions permitted.

Alternate #7: State the amount to be added to the base bid to provide Bogen intercom speakers and OWI speakers as specified in 27 51 16. No substitutions permitted.

Alternate #8: State the amount to be added to the base bid to provide a Notifier fire alarm system as specified in section 28 46 21. No substitutions permitted.



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Alternate #9: State the amount to be added to the base bid to provide a United Security Products emergency panic alarm system as specified in section 28 16 00. No substitutions permitted.

Bid Package #BP 09B 09 51 13 Acoustical Panel Ceilings Description of Work

The following information is provided to define and describe the scope of work required of the successful Bidder and is intended to be complementary with the requirements of all other Contract Documents.

The scope of the work shall include, but not necessarily be limited to, providing the following:

ACOUSTICAL PANEL CEILINGS

1. ACOUSTICAL WALL PANELS

- 2. This Subcontractor shall provide a complete acoustical tile ceiling system package that includes, but is not limited to the following items: suspension systems, stabilizer bars, acoustical ceiling panels, hanger wire, grid, seismic bars and trim where required, struts, clips (seismic, hold down, impact, etc.), related accessories, acoustical sealants, sound blankets, etc. as may be required to provide a complete and functional acoustical tile ceiling system, whether detailed and/or implied on the Contract Documents, this Subcontractor is responsible for providing that item.
- All hoisting and placement of materials is by this contractor. No elevator or lifting services will be provided by construction manager.
- 4. Provide sound blankets and/or insulation placed on or above acoustical ceilings if required.
- 5. Provide hanger wires where required to support light fixtures, devices, etc.
- 6. Provide cutouts in ceiling tiles and cut ceiling tiles for penetrations for other trades. Coordinate these openings with the appropriate Subcontractor. This includes, but is not limited to, sprinkler heads, exit signs, fire alarm devices, HVAC grilles, can lights, security and telecomm devices, etc.
- 7. Include \$5,000 for un-attributable damages incurred during construction. This Subcontractor shall submit daily work tickets to Monteith Constructions Superintendent to sign when this work is being performed. Any portion of the money that is not used by the end of project shall be credited back to Monteith Construction.
- 8. Include all trims and accessories associated with ceiling grid installation and transitions between ACT and all adjacent materials..
- 9. Review and perform field measurements for ceiling heights in areas with acoustical ceilings two(2) weeks prior to the scheduled start of ceiling grid installation in each area. Immediately notify



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the Construction Manager in writing of any items which will prevent the ceiling from being installed at the height indicated and advise if any additional bulkheads are required.

- 10. Strictly adhere to Contract Document requirements for ceiling suspension hangers. Hangers must be attached to structural members or composite metal deck slabs; do not attach to the roof deck.
- 11. Include a full pass through for all acoustical ceiling areas for typical punch list work, including, but not limited to touch-up and replacement of damaged ceiling tiles.
- 12. Provide layout and engineering as required for work in this bid package to ensure balanced cut tile borders at the edges of the room. If layout results in borders less than 2" on 2x2 tiles, use 2x4 tiles cut down to give the appearance of a full 2x2 tile.

GENERAL

- 1. See drawing CS-04 for phasing plan.
- 2. All disruptive construction activities to be performed after school hours as determined by MCC.
- 3. Supply attic stock as required per specifications.
- 4. Provide samples and mock-ups as required.
- 5. Field dimensions, layout, measurements, and engineering required for this scope of work shall be provided by this Subcontractor.
- Clean-up all debris created by this Subcontractor on a daily basis. If this subcontractor fails to do
 so, the Owner and the Construction Manager reserves the right to hire a cleaning company to
 clean these areas at this Subcontractor's expense.
- Submittals, samples, and shop drawings shall be provided by this Subcontractor for all materials being furnished and/or installed for this scope of work. They are to be submitted within sixty (60) days from Notice to Proceed or sooner if required so that they will enable all affected parties to meet the Project Schedule.
- 8. Multiple mobilizations may be required to perform this scope of work and all costs to perform the work in accordance with the Project Schedule are included.
- 9. It is the responsibility of this Subcontractor to review the other Bid Packages to ensure that the work scope included herein is not duplicated in other Bid Packages. If it is included in other Bid Packages, notify the Construction Manager immediately so that this work can be removed from one of the Bid Packages. If no notification is made, this Subcontractor will be responsible for the duplicated work.
- 10. Review architectural details with civil and structural details to ensure coordination has been made. Report any design discrepancies discovered to the Construction Manager immediately.
- 11. This Subcontractor is responsible for the quality of all work associated with this Bid Package and is responsible for any and all costs associated with any non-conformance with specified requirements.



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- 12. The Owner will employ an independent testing agency (ITA) to perform all testing and inspection services required. This Subcontractor will be required to cooperate with ITA during all inspections. This Subcontractor will be responsible to notify the Construction Manager twenty-four (24) hours in advance of any required inspections. The Construction Manager will be responsible for scheduling all inspections. All results are to be reported in a field report issued by the ITA to the Construction Manager for distribution to this Subcontractor, the A/E, the Owner, and the Building Inspector.
- 13. Must follow Monteith Constructions Waste Management Policy.

SPECIAL CONDITIONS

- Reference the Special Conditions to the Contract section for temporary measures, hoisting, clean-up, and other additional requirements under this Bid Package.
- 2. Include expected durations for delivery and installation of this scope of work.
- 3. All deliveries must be coordinated and scheduled with the Construction Manager's project superintendent prior to delivery on site.

SAFETY

- This Subcontractor is fully responsible and accountable for safely performing this Bid Package scope of work. The following items are typical safety requirements that shall be included in the scope of work, but are not intended to exclude any safety related item that may be required: personal protective equipment, traffic control, material handling and equipment safety, hazardous material safety, etc.
- Subcontractors and their lower tier subcontractors will be required to comply with Temporary
 Facilities and Controls, all applicable OSHA standards, and other local, state, and federal
 regulations. The more stringent of these will apply.
- 3. This Subcontractor is fully responsible and accountable for safely performing this Bid Packages scope of work. The following items are typical safety requirements that shall be included in the scope of work, but is not intended to exclude any safety related item that may be required: personal protective equipment, fall arrest systems, fall protection barricades, scaffolding and ladder safety, electrical safety, hoist way and machine room safety, material handling and equipment safety, etc. and other required safety provisions.
- 4. All scaffolding, erection, dismantling, access and use of scaffolding are to be in full compliance with local and state regulations
- 5. Provide all traffic control (barricades, fences, flagmen, temporary signage, etc.) as required by the City of Wilmington, NCDOT, etc. to complete all work under this Bid Package.
- 6. Subcontractor is responsible to comply with Monteith Construction Safety Manual. Items include, but are not limited to the follow:
 - a. New employee training



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- b. Weekly toolbox talks
- c. Task specific training
- d. Drug and alcohol screening
- e. Injury management
- 7. This contractor to provide all drinking water for employees.

ALLOWANCES

Allowance 1: Removal of 2,000 linear feet of unused data and telecom cabling. (#BP 26)

UNIT PRICES

Unit Price 1: Removal of unused data and telecom cabling, and strapping and J-hooks as required per code. \$_____ per linear foot. (#BP 26)

Unit Price 2 (Alternate #2): Removal of unsuitable soils and placement of compacted gravel as required for placement and transport of Mobile units. (#BP 31)

ALTERNATES

Alternate #1: State the amount to be added to the base bid to construct the modifications to the student drop-off area and parking area as delineated in the civil drawings. Scope includes, but is not limited to the following:

Mill existing asphalt and install asphalt overlay per plans and specifications. Work also includes removing, salvaging, and re-installing existing concrete wheel stops and accessible parking signage, and installing new traffic striping and crosswalks.

Remove existing gravel and install new heavy-duty asphalt per plans and specifications. Work also includes installing new concrete sidewalk, steel bollards and chain, concrete wheel stops, traffic striping, landscaping and associated stormwater pipe/system and erosion control measures.

Alternate #2: State the amount to be added to the base bid to construct the mobile units including all required gravel, sidewalks, water systems, sanitary sewer systems, and other associated infrastructure as delineated in the contract documents.

Alternate #2 shall also include a \$5,000 allowance for Aluminum Ramp Foundations per A2.05.

Include all crossover connections between mobile floors as indicated in the drawings and as needed for a complete, functioning electrical system.

Include disconnecting of all security, fire alarm, data, and building crossovers and mobile unit power feeds at completion of project.



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Include integration of all fire alarm, data, and PA with main building systems.

Include sanitary sewer manifold for mobile units as required to connect drops from all fixtures. Site contractor to bring new sanitary sewer main within 5 feet of each set of mobile units.

Include connection of domestic water at one location on each mobile unit (2). Domestic water to be brought within 5' of each mobile unit. Include all insulation of water piping above grade.

Include the demolition and removal of all sanitary sewer manifolds and domestic water connection at the completion of the project.

Alternate #3: State the amount to be added to the base bid to replace with new all electrical devices as delineated in the electrical drawings.

Alternate #4: State the amount to be added to the base bid to provide new infrastructure in (33) classrooms for Recordex boards. Recordex boards shall be Owner supplied and Contractor installed.

Alternate #4 shall also include removal of (33) white boards with patch, repair, and paint of full extent of wall from which the board is removed.

Base bid shall include reinstallation of (33) salvaged projectors by a vendor qualified by the manufacturer of the existing projectors to be salvaged.

PREFERRED BRAND ALTERNATES

Alternate #5: State the amount to be added to the base bid to provide the basis of design door hardware as specified in section 08 71 00. No Substitutions permitted.

Alternate #6: State the amount to be added to the base bid to provide Johnson DDC controls as specified in section 23 09 23. No substitutions permitted.

Alternate #7: State the amount to be added to the base bid to provide Bogen intercom speakers and OWI speakers as specified in 27 51 16. No substitutions permitted.

Alternate #8: State the amount to be added to the base bid to provide a Notifier fire alarm system as specified in section 28 46 21. No substitutions permitted.

Alternate #9: State the amount to be added to the base bid to provide a United Security Products emergency panic alarm system as specified in section 28 16 00. No substitutions permitted.



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Bid Package #BP 09D 09 65 13 Resilient Base and Accessories 09 65 19 Resilient Tile Floor

Description of Work

09 68 13 Tile Carpeting

The following information is provided to define and describe the scope of work required of the successful Bidder and is intended to be complementary with the requirements of all other Contract Documents.

The scope of the work shall include, but not necessarily be limited to, providing the following:

RESILIENT FLOORING AND CARPET

- Provide all resilient flooring and carpet work for a complete installation including, but not limited to the following: VCT, LVT, rubber base, outside corners, rubber stair treads and risers, carpet tile, special shapes, adhesives, trim, transitions, floor leveling / floor prep, etc. as may be required to provide a complete and functional resilient flooring and carpet package, whether detailed and/or implied on the Contract Documents, this Subcontractor is responsible for providing that item.
- 2. Demolition of existing flooring will be by others.
- 3. Subcontractor to confirm consistent dye lot coloration and tile sizing. Material shall be ordered in such a way as to ensure all tiles are of similar dye lot and run number.
- 4. Provide carpet tile, adhesives, etc. as indicated on the Contract Documents, or as needed for a complete installation.
- 5. Provide carpet tile, transitions strips, trim, adhesives, related accessories, etc. as may be required to provide a complete and functional carpet package.
- 6. Provide all patterns, inlays, and borders as required.
- Vacuum carpets at completion of work at each area and replace any damaged or stained carpeting.
- 8. Provide rubber base, manufacturer outside corners, and job formed inside corners. This Subcontractor shall assure that the base is tightly adhered throughout the length of each piece. Where base is being installed along masonry walls, install adhesive filler (approved by manufacturer) in voids.
- 9. Review substrates at areas to receive resilient flooring and carpet at least (2) weeks prior to the scheduled start of work for each area. Immediately notify the Construction Manager in writing



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of any unacceptable substrates, allowing adequate time for corrective work to be performed prior to the scheduled start of your work for that area. Start of work indicates acceptance of substrate conditions and full responsibility for completed work.

- 10. As part of this bid package, subcontractor to include a minimum of 5 coats of floor wax approved by NHCS.
- 11. Provide surface preparation and leveling as required for installation of the materials installed under this package, including minor reasonable floor leveling prep of subsurface (examples: minor low spots, concrete control joints, etc.). Concrete patch / leveling material and adhesive must be compatible per the manufacturer's specifications.
- 12. Carry an additional \$5000 for additional floor prep beyond what is deemed reasonable. This Subcontractor shall submit daily work tickets to Monteith Constructions Superintendent to sign when this work is being performed. Any portion of the money that is not used by the end of project shall be credited back to Monteith Construction. This should be in addition to the minor, reasonable floor leveling included in base scope.
- 13. Prior to installing underlayment at column isolation joints, wall isolation joints, and other joints in concrete, clean out bond breaker and any other debris in the joint. Fill entire joint with approved underlayment compound in accordance with the manufacturer's instructions.
- 14. Provide moisture testing of concrete slabs a minimum of 2 weeks prior installation.
- 15. Coordinate installation of flooring and any required underlayment compound at building expansion joints provided by others.
- 16. Clean and protect flooring surfaces installed by this Bid Package in accordance with the specifications. Leave protection in place for removal by Final Cleaning Subcontractor. The floor protection is to be Ram Board (or equal as approved by Construction Manager), installed wall to wall with taped joints.

GENERAL

- 1. See drawing CS-04 for phasing plan.
- 2. All disruptive construction activities to be performed after school hours as determined by MCC.
- 3. Supply attic stock as required per specifications.
- 4. Provide samples and mock-ups as required.
- 5. Field dimensions, layout, measurements, and engineering required for this scope of work shall be provided by this Subcontractor.
- 6. Clean-up all debris created by this Subcontractor on a daily basis. If this subcontractor fails to do so, the Owner and the Construction Manager reserves the right to hire a cleaning company to clean these areas at this Subcontractor's expense.
- 7. Submittals, samples, and shop drawings shall be provided by this Subcontractor for all materials being furnished and/or installed for this scope of work. They are to be submitted within sixty



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(60) days from Notice to Proceed or sooner if required so that they will enable all affected parties to meet the Project Schedule.

- 8. Multiple mobilizations may be required to perform this scope of work and all costs to perform the work in accordance with the Project Schedule are included.
- 9. It is the responsibility of this Subcontractor to review the other Bid Packages to ensure that the work scope included herein is not duplicated in other Bid Packages. If it is included in other Bid Packages, notify the Construction Manager immediately so that this work can be removed from one of the Bid Packages. If no notification is made, this Subcontractor will be responsible for the duplicated work.
- 10. Review architectural details with civil and structural details to ensure coordination has been made. Report any design discrepancies discovered to the Construction Manager immediately.
- 11. This Subcontractor is responsible for the quality of all work associated with this Bid Package and is responsible for any and all costs associated with any non-conformance with specified requirements.
- 12. The Owner will employ an independent testing agency (ITA) to perform all testing and inspection services required. This Subcontractor will be required to cooperate with ITA during all inspections. This Subcontractor will be responsible to notify the Construction Manager twenty-four (24) hours in advance of any required inspections. The Construction Manager will be responsible for scheduling all inspections. All results are to be reported in a field report issued by the ITA to the Construction Manager for distribution to this Subcontractor, the A/E, the Owner, and the Building Inspector.
- 13. Must follow Monteith Constructions Waste Management Policy.

SPECIAL CONDITIONS

- Reference the Special Conditions to the Contract section for temporary measures, hoisting, clean-up, and other additional requirements under this Bid Package.
- 2. Include expected durations for delivery and installation of this scope of work.
- 3. All deliveries must be coordinated and scheduled with the Construction Manager's project superintendent prior to delivery on site.

SAFETY

 This Subcontractor is fully responsible and accountable for safely performing this Bid Package scope of work. The following items are typical safety requirements that shall be included in the scope of work, but are not intended to exclude any safety related item that may be required: personal protective equipment, traffic control, material handling and equipment safety, hazardous material safety, etc.



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- 2. Subcontractors and their lower tier subcontractors will be required to comply with Temporary Facilities and Controls, all applicable OSHA standards, and other local, state, and federal regulations. The more stringent of these will apply.
- 3. This Subcontractor is fully responsible and accountable for safely performing this Bid Packages scope of work. The following items are typical safety requirements that shall be included in the scope of work, but is not intended to exclude any safety related item that may be required: personal protective equipment, fall arrest systems, fall protection barricades, scaffolding and ladder safety, electrical safety, hoist way and machine room safety, material handling and equipment safety, etc. and other required safety provisions.
- 4. All scaffolding, erection, dismantling, access and use of scaffolding are to be in full compliance with local and state regulations
- 5. Provide all traffic control (barricades, fences, flagmen, temporary signage, etc.) as required by the City of Wilmington, NCDOT, etc. to complete all work under this Bid Package.
- Subcontractor is responsible to comply with Monteith Construction Safety Manual. Items include, but are not limited to the follow:
 - a. New employee training
 - b. Weekly toolbox talks
 - c. Task specific training
 - d. Drug and alcohol screening
 - e. Injury management
- 7. This contractor to provide all drinking water for employees.

ALLOWANCES

Allowance 1: Removal of 2,000 linear feet of unused data and telecom cabling. (#BP 26)

UNIT PRICES

Unit Price 1: Removal of unused data and telecom cabling, and strapping and J-hooks as required per code. \$_____ per linear foot. (#BP 26)

Unit Price 2 (Alternate #2): Removal of unsuitable soils and placement of compacted gravel as required for placement and transport of Mobile units. (#BP 31)

ALTERNATES

Alternate #1: State the amount to be added to the base bid to construct the modifications to the student drop-off area and parking area as delineated in the civil drawings. Scope includes, but is not limited to the following:



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Mill existing asphalt and install asphalt overlay per plans and specifications. Work also includes removing, salvaging, and re-installing existing concrete wheel stops and accessible parking signage, and installing new traffic striping and crosswalks.

Remove existing gravel and install new heavy-duty asphalt per plans and specifications. Work also includes installing new concrete sidewalk, steel bollards and chain, concrete wheel stops, traffic striping, landscaping and associated stormwater pipe/system and erosion control measures.

Alternate #2: State the amount to be added to the base bid to construct the mobile units including all required gravel, sidewalks, water systems, sanitary sewer systems, and other associated infrastructure as delineated in the contract documents.

Alternate #2 shall also include a \$5,000 allowance for Aluminum Ramp Foundations per A2.05.

Include all crossover connections between mobile floors as indicated in the drawings and as needed for a complete, functioning electrical system.

Include disconnecting of all security, fire alarm, data, and building crossovers and mobile unit power feeds at completion of project.

Include integration of all fire alarm, data, and PA with main building systems.

Include sanitary sewer manifold for mobile units as required to connect drops from all fixtures. Site contractor to bring new sanitary sewer main within 5 feet of each set of mobile units.

Include connection of domestic water at one location on each mobile unit (2). Domestic water to be brought within 5' of each mobile unit. Include all insulation of water piping above grade.

Include the demolition and removal of all sanitary sewer manifolds and domestic water connection at the completion of the project.

Alternate #3: State the amount to be added to the base bid to replace with new all electrical devices as delineated in the electrical drawings.

Alternate #4: State the amount to be added to the base bid to provide new infrastructure in (33) classrooms for Recordex boards. Recordex boards shall be Owner supplied and Contractor installed.

Alternate #4 shall also include removal of (33) white boards with patch, repair, and paint of full extent of wall from which the board is removed.



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Base bid shall include reinstallation of (33) salvaged projectors by a vendor qualified by the manufacturer of the existing projectors to be salvaged.

PREFERRED BRAND ALTERNATES

Alternate #5: State the amount to be added to the base bid to provide the basis of design door hardware as specified in section 08 71 00. No Substitutions permitted.

Alternate #6: State the amount to be added to the base bid to provide Johnson DDC controls as specified in section 23 09 23. No substitutions permitted.

Alternate #7: State the amount to be added to the base bid to provide Bogen intercom speakers and OWI speakers as specified in 27 51 16. No substitutions permitted.

Alternate #8: State the amount to be added to the base bid to provide a Notifier fire alarm system as specified in section 28 46 21. No substitutions permitted.

Alternate #9: State the amount to be added to the base bid to provide a United Security Products emergency panic alarm system as specified in section 28 16 00. No substitutions permitted.

Bid Package #BP 09E 09 91 00 Painting

Description of Work

The following information is provided to define and describe the scope of work required of the successful Bidder and is intended to be complementary with the requirements of all other Contract Documents.

The scope of the work shall include, but not necessarily be limited to, providing the following:

PAINTING

- 1. Any work completed after Gym Floor Installation will require the Subcontractor to supply and install floor protection with ½" foam insulation and ¾" plywood.
- 2. This Subcontractor shall provide a complete painting system package that includes, but is not limited to the following items: paint gypsum wallboard walls, ceilings, soffits, and bulkheads; paint exposed interior CMU; paint exposed interior concrete walls; paint hollow metal doors, door frames, and window frames; paint exposed surfaces of steel pan stairs and railings; paint unfinished MEP/FP items required to be field painted in MEP/FP specifications; paint exposed exterior CMU; paint exterior railings; paint exterior angle lintels; paint exterior steel pipe bollards; provide concrete floor sealer; etc. as may be required to provide a complete and



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functional painting system, whether detailed and/or implied on the Contract Documents, this Subcontractor is responsible for providing that item.

- 3. Provide all interior and exterior painting required by the Contract Documents.
- 4. Include painting all roof penetrations to match the color of the roof.
- 5. Refer to Contract Documents for general location, color, and finish materials for items scheduled to receive paint. Notify Monteith Construction of any item where a paint color is not specified such that an appropriate paint color can be selected by the architect and in sufficient time to meet the requirements of the project schedule.
- 6. This Subcontractor shall include all miscellaneous touch up of walls occurring between prime coat and finish coat and must obtain consensus of Monteith Construction prior to beginning final coat. The final paint coat shall be installed after flooring and ceilings are in place. The Painting Subcontractor shall include minor touch-up of drywall partitions and ceilings (i.e. small nicks shall be repaired by the Painting Subcontractor).
- 7. All exterior painting includes but is not limited to hollow metal doors and frames, lintels, exposed steel, pipe bollards, rails, downspout boots, ladders, grilles, and all other related items.
- 8. Provide all interior and exterior specialty coatings, epoxy, and special finishes.
- 9. Provide concrete sealer on slabs, including any required cleaning, surface preparation, and buffing of concrete floors for a smooth finish.
- 10. Stain and finishing of millwork, casework, and wood doors is not included. These items will be prefinished by others.
- 11. Include all surface preparation and cleaning as necessary for painting. Review substrates at areas to be painted at least (2) weeks prior to the scheduled start of work for each area. Immediately notify the Construction Manager in writing of any unacceptable substrates, allowing adequate time for corrective work to be performed prior to the scheduled start of your work for that area. Start of work indicates acceptance of substrate conditions and full responsibility for completed work. Re-priming of areas requiring substrate repairs after acceptance of substrate condition will be by the Painting Subcontractor regardless of timing. Repainting of areas not achieving acceptable finish results shall be redone at the Painting Subcontractor's expense.
- 12. Prepare ferrous metal surfaces prior to starting painting operations. Solvent clean all galvanized and aluminum surfaces scheduled to receive paint. Finishes on wood and metal surfaces to be sanded between coats to assure smoothness and adhesion of subsequent coats.
- 13. The Painting Subcontractor shall field verify that the moisture content of all surfaces receiving paint are within paint manufacturer's acceptable limits.
- 14. Stain and finish any millwork / casework, wood trim, and/or wood doors that are not furnished pre-finished.



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- 15. This Subcontractor shall adhere strictly to the number of coats of all fillers, primers, and paints as indicated in the specifications. Larger thicknesses in fewer coats will not be accepted.
- 16. Provide wall stenciling at all rated wall assemblies. Fire and smoke caulking and sealants will be by others.
- 17. Provide all labor and materials required to fill in minor dents in hollow metal doors and frames including sanding smooth to be ready for final finish paint. Notify the Construction Manager if any frames are damaged beyond minor bondo work.
- 18. Coordinate painting of exposed, high ceiling work. Provide protection from overspray and all associated clean-up is the responsibility of this Bid Package.
- 19. Include painting of exposed steel decking, mechanical, electrical, plumbing, and sprinkler work as indicated and/or required. This Subcontractor shall include any prep work or priming of steel or MEP/FP materials that have galvanized coatings to which paint will not adhere. All surfaces must carry painting warranties as specified.
- 20. Provide painting of exposed mechanical, electrical, plumbing and sprinkler work as required. Refer to Specification Divisions 21, 22, 23, and 26 for requirements.
- 21. Clean any overspray or paint on items not scheduled to be painted immediately after painting.
- 22. Provide mock-ups as required for work under this Bid Package. The Painting Subcontractor shall coordinate with the Masonry Subcontractor to provide a mock-up of a masonry wall with block filler applied for review of acceptable finish standards by the Architect prior to start of block fill work. Once block filler has been installed on masonry walls, the Masonry Subcontractor will be required to point up walls. The Painting Subcontractor will be required to block fill any pointed areas prior to final surface paint applications.

GENERAL

- 1. See drawing CS-04 for phasing plan.
- 2. All disruptive construction activities to be performed after school hours as determined by MCC.
- 3. Supply attic stock as required per specifications.
- 4. Provide samples and mock-ups as required.
- 5. Field dimensions, layout, measurements, and engineering required for this scope of work shall be provided by this Subcontractor.
- 6. Clean-up all debris created by this Subcontractor on a daily basis. If this subcontractor fails to do so, the Owner and the Construction Manager reserves the right to hire a cleaning company to clean these areas at this Subcontractor's expense.
- Submittals, samples, and shop drawings shall be provided by this Subcontractor for all materials being furnished and/or installed for this scope of work. They are to be submitted within sixty (60) days from Notice to Proceed or sooner if required so that they will enable all affected parties to meet the Project Schedule.



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- 8. Multiple mobilizations may be required to perform this scope of work and all costs to perform the work in accordance with the Project Schedule are included.
- 9. It is the responsibility of this Subcontractor to review the other Bid Packages to ensure that the work scope included herein is not duplicated in other Bid Packages. If it is included in other Bid Packages, notify the Construction Manager immediately so that this work can be removed from one of the Bid Packages. If no notification is made, this Subcontractor will be responsible for the duplicated work.
- 10. Review architectural details with civil and structural details to ensure coordination has been made. Report any design discrepancies discovered to the Construction Manager immediately.
- 11. This Subcontractor is responsible for the quality of all work associated with this Bid Package and is responsible for any and all costs associated with any non-conformance with specified requirements.
- 12. The Owner will employ an independent testing agency (ITA) to perform all testing and inspection services required. This Subcontractor will be required to cooperate with ITA during all inspections. This Subcontractor will be responsible to notify the Construction Manager twenty-four (24) hours in advance of any required inspections. The Construction Manager will be responsible for scheduling all inspections. All results are to be reported in a field report issued by the ITA to the Construction Manager for distribution to this Subcontractor, the A/E, the Owner, and the Building Inspector.
- 13. Must follow Monteith Constructions Waste Management Policy.

SPECIAL CONDITIONS

- Reference the Special Conditions to the Contract section for temporary measures, hoisting, clean-up, and other additional requirements under this Bid Package.
- 2. Include expected durations for delivery and installation of this scope of work.
- 3. All deliveries must be coordinated and scheduled with the Construction Manager's project superintendent prior to delivery on site.

SAFETY

- This Subcontractor is fully responsible and accountable for safely performing this Bid Package scope of work. The following items are typical safety requirements that shall be included in the scope of work, but are not intended to exclude any safety related item that may be required: personal protective equipment, traffic control, material handling and equipment safety, hazardous material safety, etc.
- 2. Subcontractors and their lower tier subcontractors will be required to comply with Temporary Facilities and Controls, all applicable OSHA standards, and other local, state, and federal regulations. The more stringent of these will apply.



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- 3. This Subcontractor is fully responsible and accountable for safely performing this Bid Packages scope of work. The following items are typical safety requirements that shall be included in the scope of work, but is not intended to exclude any safety related item that may be required: personal protective equipment, fall arrest systems, fall protection barricades, scaffolding and ladder safety, electrical safety, hoist way and machine room safety, material handling and equipment safety, etc. and other required safety provisions.
- 4. All scaffolding, erection, dismantling, access and use of scaffolding are to be in full compliance with local and state regulations
- 5. Provide all traffic control (barricades, fences, flagmen, temporary signage, etc.) as required by the City of Wilmington, NCDOT, etc. to complete all work under this Bid Package.
- 6. Subcontractor is responsible to comply with Monteith Construction Safety Manual. Items include, but are not limited to the follow:
 - a. New employee training
 - b. Weekly toolbox talks
 - c. Task specific training
 - d. Drug and alcohol screening
 - e. Injury management
- 7. This contractor to provide all drinking water for employees.

ALLOWANCES

Allowance 1: Removal of 2,000 linear feet of unused data and telecom cabling. (#BP 26)

UNIT PRICES

Unit Price 1: Removal of unused data and telecom cabling, and strapping and J-hooks as required per code. \$_____ per linear foot. (#BP 26)

Unit Price 2 (Alternate #2): Removal of unsuitable soils and placement of compacted gravel as required for placement and transport of Mobile units. (#BP 31)

ALTERNATES

Alternate #1: State the amount to be added to the base bid to construct the modifications to the student drop-off area and parking area as delineated in the civil drawings. Scope includes, but is not limited to the following:

Mill existing asphalt and install asphalt overlay per plans and specifications. Work also includes removing, salvaging, and re-installing existing concrete wheel stops and accessible parking signage, and installing new traffic striping and crosswalks.



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Remove existing gravel and install new heavy-duty asphalt per plans and specifications. Work also includes installing new concrete sidewalk, steel bollards and chain, concrete wheel stops, traffic striping, landscaping and associated stormwater pipe/system and erosion control measures.

Alternate #2: State the amount to be added to the base bid to construct the mobile units including all required gravel, sidewalks, water systems, sanitary sewer systems, and other associated infrastructure as delineated in the contract documents.

Alternate #2 shall also include a \$5,000 allowance for Aluminum Ramp Foundations per A2.05.

Include all crossover connections between mobile floors as indicated in the drawings and as needed for a complete, functioning electrical system.

Include disconnecting of all security, fire alarm, data, and building crossovers and mobile unit power feeds at completion of project.

Include integration of all fire alarm, data, and PA with main building systems.

Include sanitary sewer manifold for mobile units as required to connect drops from all fixtures. Site contractor to bring new sanitary sewer main within 5 feet of each set of mobile units.

Include connection of domestic water at one location on each mobile unit (2). Domestic water to be brought within 5' of each mobile unit. Include all insulation of water piping above grade.

Include the demolition and removal of all sanitary sewer manifolds and domestic water connection at the completion of the project.

Alternate #3: State the amount to be added to the base bid to replace with new all electrical devices as delineated in the electrical drawings.

Alternate #4: State the amount to be added to the base bid to provide new infrastructure in (33) classrooms for Recordex boards. Recordex boards shall be Owner supplied and Contractor installed.

Alternate #4 shall also include removal of (33) white boards with patch, repair, and paint of full extent of wall from which the board is removed.

Base bid shall include reinstallation of (33) salvaged projectors by a vendor qualified by the manufacturer of the existing projectors to be salvaged.



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PREFERRED BRAND ALTERNATES

Alternate #5: State the amount to be added to the base bid to provide the basis of design door hardware as specified in section 08 71 00. No Substitutions permitted.

Alternate #6: State the amount to be added to the base bid to provide Johnson DDC controls as specified in section 23 09 23. No substitutions permitted.

Alternate #7: State the amount to be added to the base bid to provide Bogen intercom speakers and OWI speakers as specified in 27 51 16. No substitutions permitted.

Alternate #8: State the amount to be added to the base bid to provide a Notifier fire alarm system as specified in section 28 46 21. No substitutions permitted.

Alternate #9: State the amount to be added to the base bid to provide a United Security Products emergency panic alarm system as specified in section 28 16 00. No substitutions permitted.

Bid Package #BP 21 21 00 00 Fire Suppression

Description of Work

The following information is provided to define and describe the scope of work required of the successful Bidder and is intended to be complementary with the requirements of all other Contract Documents.

The scope of the work shall include, but not necessarily be limited to, providing the following:

FIRE SUPPRESSION

- 1. Any work completed after Gym Floor Installation will require the Subcontractor to supply and install floor protection with ½" foam insulation and ¾" plywood.
- Install Tampers and Flows. Electrical Subcontractor will provide and terminate all Tamper and Flow switches as needed for complete monitoring of Fire Protection System.
- 3. Provide a complete and operational fire protection system. Include all sprinkler piping, heads, valves, caps, control valve assemblies, and fire department connections according to the contract documents and the NC DOI Requirements for Automatic Fire Sprinkler Systems. Fire protection system complete from 1' above finish floor where fire service water lines enter building, including final service connections.
- 4. Controls and switches and all associated control wiring (regardless of voltage) as required.
- 5. Motor starters, fuses and disconnects integral with fire protection equipment.



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- 6. Review electrical drawings to verify that power shown to be provided for equipment furnished by this Bid Package is adequate. If equipment furnished requires different power than that shown on the electrical drawings, the cost to revise the power is the responsibility of this Bid Package.
- 7. Design and submit all shop drawings, calculations, catalog cuts, etc. as required to appropriate state and local authorities and insurance company to obtain all approvals as required.
- 8. Perform flow tests prior to starting design of fire protection system. Submit report to Construction Manager.
- 9. Pads, curbs, inertia bases and other concrete work necessary for the installation of the work within this package. All interior pads are to be painted yellow.
- 10. Vibration isolation and seismic control devices and calculations required by regulations for seismic site class as indicated on the contract documents.
- 11. Blocking / backing is provided by the Drywall Subcontractor. Submit blocking / backing requirements and location drawings in drywall partitions to the Drywall Subcontractor. Blocking / backing that is not submitted prior to the commencement of wall framing will be the responsibility of this Bid Package.
- 12. Coordinate installation of sprinkler heads such that the heads are located in the center of acoustical ceiling tiles and symmetrically installed.
- 13. Coordination of sprinkler head layout prior to installation with other overhead work.
- 14. The Acoustical Ceilings Subcontractor is responsible for cutting holes in ceiling tiles for sprinkler heads. The cut tiles will be installed in the grid in each room. This Bid Package is responsible for installing the sprinkler head in the cut tiles. This includes removing the tile from the grid and reinstalling in the correct location if necessary. The cost to repair or replace any tiles damaged by this Bid Package will be the responsibility of this Bid Package.
- 15. Provide cages on sprinkler heads in rooms with exposed ceilings (mechanical, electrical, etc.).
- 16. Provide caulking, sealants, and fire-stopping for all work installed under this Bid Package.
- 17. Provide and locate access doors as necessary or specified for work within this package.
- 18. Provide sleeves, block-outs, coring, and supports necessary for the work within this Bid Package.
- 19. Furnish sleeves for all masonry wall penetrations in new masonry construction. Masonry Subcontractor to install. Fire Protection Subcontractor to clearly indicate the exact location for the sleeves and verify location.
- 20. Provide coding of piping, systems, and equipment as necessary for work within this Bid
- 21. Painting of exposed piping is by the Painting Subcontractor. This contractor to protect sprinkler heads prior to painting.
- 22. Install all piping and sleeves parallel to or at right angles to the building structure.



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23. Install hangers prior to fireproofing when possible and patch otherwise at the expense of this Bid Package.

24. Testing and Inspections, and system certifications/verification at conclusion of project. Provide personnel to conduct tests of the fire suppression systems. Include testing and inspections on a per phase basis.

GENERAL

- 1. See drawing CS-04 for phasing plan.
- 2. All disruptive construction activities to be performed after school hours as determined by MCC.
- 3. Supply attic stock as required per specifications.
- 4. Provide samples and mock-ups as required.
- 5. Field dimensions, layout, measurements, and engineering required for this scope of work shall be provided by this Subcontractor.
- 6. Clean-up all debris created by this Subcontractor on a daily basis. If this subcontractor fails to do so, the Owner and the Construction Manager reserves the right to hire a cleaning company to clean these areas at this Subcontractor's expense.
- Submittals, samples, and shop drawings shall be provided by this Subcontractor for all materials being furnished and/or installed for this scope of work. They are to be submitted within sixty (60) days from Notice to Proceed or sooner if required so that they will enable all affected parties to meet the Project Schedule.
- 8. Multiple mobilizations may be required to perform this scope of work and all costs to perform the work in accordance with the Project Schedule are included.
- 9. It is the responsibility of this Subcontractor to review the other Bid Packages to ensure that the work scope included herein is not duplicated in other Bid Packages. If it is included in other Bid Packages, notify the Construction Manager immediately so that this work can be removed from one of the Bid Packages. If no notification is made, this Subcontractor will be responsible for the duplicated work.
- Review architectural details with civil and structural details to ensure coordination has been made. Report any design discrepancies discovered to the Construction Manager immediately.
- 11. This Subcontractor is responsible for the quality of all work associated with this Bid Package and is responsible for any and all costs associated with any non-conformance with specified requirements.
- 12. The Owner will employ an independent testing agency (ITA) to perform all testing and inspection services required. This Subcontractor will be required to cooperate with ITA during all inspections. This Subcontractor will be responsible to notify the Construction Manager twenty-four (24) hours in advance of any required inspections. The Construction Manager will be responsible for scheduling all inspections. All results are to be reported in a field report issued



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by the ITA to the Construction Manager for distribution to this Subcontractor, the A/E, the Owner, and the Building Inspector.

13. Must follow Monteith Constructions Waste Management Policy.

SPECIAL CONDITIONS

- Reference the Special Conditions to the Contract section for temporary measures, hoisting, clean-up, and other additional requirements under this Bid Package.
- 2. Include expected durations for delivery and installation of this scope of work.
- 3. All deliveries must be coordinated and scheduled with the Construction Manager's project superintendent prior to delivery on site.

SAFETY

- This Subcontractor is fully responsible and accountable for safely performing this Bid Package scope of work. The following items are typical safety requirements that shall be included in the scope of work, but are not intended to exclude any safety related item that may be required: personal protective equipment, traffic control, material handling and equipment safety, hazardous material safety, etc.
- Subcontractors and their lower tier subcontractors will be required to comply with Temporary
 Facilities and Controls, all applicable OSHA standards, and other local, state, and federal
 regulations. The more stringent of these will apply.
- 3. This Subcontractor is fully responsible and accountable for safely performing this Bid Packages scope of work. The following items are typical safety requirements that shall be included in the scope of work, but is not intended to exclude any safety related item that may be required: personal protective equipment, fall arrest systems, fall protection barricades, scaffolding and ladder safety, electrical safety, hoist way and machine room safety, material handling and equipment safety, etc. and other required safety provisions.
- 4. All scaffolding, erection, dismantling, access and use of scaffolding are to be in full compliance with local and state regulations
- Provide all traffic control (barricades, fences, flagmen, temporary signage, etc.) as required by the City of Wilmington, NCDOT, etc. to complete all work under this Bid Package.
- 6. Subcontractor is responsible to comply with Monteith Construction Safety Manual. Items include, but are not limited to the follow:
 - a. New employee training
 - b. Weekly toolbox talks
 - c. Task specific training
 - d. Drug and alcohol screening
 - e. Injury management
- 7. This contractor to provide all drinking water for employees.



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ALLOWANCES

Allowance 1: Removal of 2,000 linear feet of unused data and telecom cabling. (#BP 26)

UNIT PRICES

Unit Price 1: Removal of unused data and telecom cabling, and strapping and J-hooks as required per code. \$_____ per linear foot. (#BP 26)

Unit Price 2 (Alternate #2): Removal of unsuitable soils and placement of compacted gravel as required for placement and transport of Mobile units. (#BP 31)

ALTERNATES

Alternate #1: State the amount to be added to the base bid to construct the modifications to the student drop-off area and parking area as delineated in the civil drawings. Scope includes, but is not limited to the following:

Mill existing asphalt and install asphalt overlay per plans and specifications. Work also includes removing, salvaging, and re-installing existing concrete wheel stops and accessible parking signage, and installing new traffic striping and crosswalks.

Remove existing gravel and install new heavy-duty asphalt per plans and specifications. Work also includes installing new concrete sidewalk, steel bollards and chain, concrete wheel stops, traffic striping, landscaping and associated stormwater pipe/system and erosion control measures.

Alternate #2: State the amount to be added to the base bid to construct the mobile units including all required gravel, sidewalks, water systems, sanitary sewer systems, and other associated infrastructure as delineated in the contract documents.

Alternate #2 shall also include a \$5,000 allowance for Aluminum Ramp Foundations per A2.05.

Include all crossover connections between mobile floors as indicated in the drawings and as needed for a complete, functioning electrical system.

Include disconnecting of all security, fire alarm, data, and building crossovers and mobile unit power feeds at completion of project.

Include integration of all fire alarm, data, and PA with main building systems.

Include sanitary sewer manifold for mobile units as required to connect drops from all fixtures. Site contractor to bring new sanitary sewer main within 5 feet of each set of mobile units.



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Include connection of domestic water at one location on each mobile unit (2). Domestic water to be brought within 5' of each mobile unit. Include all insulation of water piping above grade.

Include the demolition and removal of all sanitary sewer manifolds and domestic water connection at the completion of the project.

Alternate #3: State the amount to be added to the base bid to replace with new all electrical devices as delineated in the electrical drawings.

Alternate #4: State the amount to be added to the base bid to provide new infrastructure in (33) classrooms for Recordex boards. Recordex boards shall be Owner supplied and Contractor installed.

Alternate #4 shall also include removal of (33) white boards with patch, repair, and paint of full extent of wall from which the board is removed.

Base bid shall include reinstallation of (33) salvaged projectors by a vendor qualified by the manufacturer of the existing projectors to be salvaged.

PREFERRED BRAND ALTERNATES

Alternate #5: State the amount to be added to the base bid to provide the basis of design door hardware as specified in section 08 71 00. No Substitutions permitted.

Alternate #6: State the amount to be added to the base bid to provide Johnson DDC controls as specified in section 23 09 23. No substitutions permitted.

Alternate #7: State the amount to be added to the base bid to provide Bogen intercom speakers and OWI speakers as specified in 27 51 16. No substitutions permitted.

Alternate #8: State the amount to be added to the base bid to provide a Notifier fire alarm system as specified in section 28 46 21. No substitutions permitted.

Alternate #9: State the amount to be added to the base bid to provide a United Security Products emergency panic alarm system as specified in section 28 16 00. No substitutions permitted.

Bid Package #BP 22
22 00 00 General Plumbing

Description of Work



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The following information is provided to define and describe the scope of work required of the successful Bidder and is intended to be complementary with the requirements of all other Contract Documents.

The scope of the work shall include, but not necessarily be limited to, providing the following:

PLUMBING

- Provide plumbing systems complete and operable per applicable codes and as indicated on the drawings, specifications, and bid scope of work. Includes related work within five feet of building lines including final service connections.
- 2. Provide domestic water, sanitary sewer, waste and vent piping systems, and storm drainage piping systems.
- 3. Include for all wall and ceiling cutting and patching as needed to complete this work.
- 4. Natural gas piping system complete from the house side of the gas meter provided by the local utility. Coordinate with the Mechanical & Electrical Subcontractors for the gas piping system and interfacing.
- Plumbing fixtures, hose bibs, drains, vents, cleanouts, valves, arrestors, trap primers, heat tracing, and all other plumbing related hardware, equipment and accessories required for a complete system.
- 6. Domestic hot water system including water heaters, tanks, pumps, sump pumps, circuit setters, pressure reducing valve assembly, backflow preventers, pressure regulators, etc.
- 7. Include all demolition and removal of plumbing systems as required and shown on drawings.
 - a. Include layout for concrete floor cutting.
 - b. All concrete floor cutting and removal will be done by demolition contractor.
- 8. Motor starters, fuses, and disconnects integral with plumbing equipment.
- 9. Furnish variable frequency drives to Electrical Subcontractor for installation.
- 10. Review electrical drawings to verify that power shown to be provided for equipment furnished by this Bid Package is adequate. If equipment furnished requires different power than that shown on the electrical drawings, the cost to revise the power is the responsibility of this Bid Package.
- 11. Connect owner-furnished equipment that is related to this scope of work. Provide connections, fittings, valves, etc. as necessary for installation.
- 12. Provide connections to all commercial and residential appliances. Include all necessary valves, fittings, etc. as necessary.
- 13. Provide makeup water connections for mechanical equipment as required and as indicated on the mechanical drawings. Coordinate with the Mechanical Subcontractor.
- 14. Disconnection and demolition and removal of existing plumbing systems (including fixtures, piping, insulation, hangers & supports, etc.) as indicated and as required for the installation of



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the new plumbing work. Include all necessary valves, stops, caps, etc. to make the system safe for demolition. Natural gas system demolition is included.

- 15. Excavation, backfill, compaction and spoils removal necessary for the work within this package.
- 16. Dewatering necessary for the work within this package.
- 17. Vibration isolation and seismic control devices and calculations required by regulations for seismic site class as indicated on the contract documents.
- 18. Pads, curbs, inertia bases and other concrete work necessary for the installation of the work within this package. Paint all pads yellow.
- 19. In wall blocking to be provided and installed by drywall subcontractor. Provide blocking layout plan for drywall subcontractor prior to framing starting. If no coordination effort is made or blocking is missed as a result of improper coordination, it is this subcontractors responsibility to install necessary blocking.
- 20. Roof curbs & vent flashings as required for work under this package.
- 21. Caulking, sealants and fire-stopping for all work installed under this Bid Package.
- 22. Furnish and locate access doors as necessary or specified for work within this package.
- 23. Sleeves, block-outs, coring and supports necessary for the work within this package.
- 24. Furnish sleeves for all masonry wall penetrations in new masonry construction. Masonry Subcontractor to install. Plumbing Subcontractor to clearly indicate the exact location for the sleeves and verify location.
- 25. Attachment to roof deck is not allowed. Attachments must be made to roof joists and main structural framing members.
- 26. Insulation for plumbing systems.
- 27. Include for temporary water service to CM trailer. Include removal at end of project.
- 28. Coding, valve tags, and labeling of piping, systems, and equipment as necessary for work within this package. Painting of exposed piping is by others. Labels to be installed after painting.
- 29. Install all piping and sleeves parallel to or at right angles to the building structure.
- 30. Authorized factory start-up and owner training.
- 31. Testing and system certifications as required.
- 32. Temporary water distribution system within the building as directed by Construction Manager.
- 33. Layout and engineering as required for work in this Bid Package.
- 34. Commissioning of plumbing system.
- 35. Include a \$3,000.00 allowance for Coordination Drawings.

GENERAL

- 1. See drawing CS-04 for phasing plan.
- 2. All disruptive construction activities to be performed after school hours as determined by MCC.
- 3. Supply attic stock as required per specifications.

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- 4. Provide samples and mock-ups as required.
- 5. Field dimensions, layout, measurements, and engineering required for this scope of work shall be provided by this Subcontractor.
- 6. Clean-up all debris created by this Subcontractor on a daily basis. If this subcontractor fails to do so, the Owner and the Construction Manager reserves the right to hire a cleaning company to clean these areas at this Subcontractor's expense.
- Submittals, samples, and shop drawings shall be provided by this Subcontractor for all materials being furnished and/or installed for this scope of work. They are to be submitted within sixty (60) days from Notice to Proceed or sooner if required so that they will enable all affected parties to meet the Project Schedule.
- 8. Multiple mobilizations may be required to perform this scope of work and all costs to perform the work in accordance with the Project Schedule are included.
- 9. It is the responsibility of this Subcontractor to review the other Bid Packages to ensure that the work scope included herein is not duplicated in other Bid Packages. If it is included in other Bid Packages, notify the Construction Manager immediately so that this work can be removed from one of the Bid Packages. If no notification is made, this Subcontractor will be responsible for the duplicated work.
- 10. Review architectural details with civil and structural details to ensure coordination has been made. Report any design discrepancies discovered to the Construction Manager immediately.
- 11. This Subcontractor is responsible for the quality of all work associated with this Bid Package and is responsible for any and all costs associated with any non-conformance with specified requirements.
- 12. The Owner will employ an independent testing agency (ITA) to perform all testing and inspection services required. This Subcontractor will be required to cooperate with ITA during all inspections. This Subcontractor will be responsible to notify the Construction Manager twenty-four (24) hours in advance of any required inspections. The Construction Manager will be responsible for scheduling all inspections. All results are to be reported in a field report issued by the ITA to the Construction Manager for distribution to this Subcontractor, the A/E, the Owner, and the Building Inspector.
- 13. Must follow Monteith Constructions Waste Management Policy.

SPECIAL CONDITIONS

- 1. Reference the Special Conditions to the Contract section for temporary measures, hoisting, clean-up, and other additional requirements under this Bid Package.
- 2. Include expected durations for delivery and installation of this scope of work.
- 3. All deliveries must be coordinated and scheduled with the Construction Manager's project superintendent prior to delivery on site.



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SAFETY

- This Subcontractor is fully responsible and accountable for safely performing this Bid Package scope of work. The following items are typical safety requirements that shall be included in the scope of work, but are not intended to exclude any safety related item that may be required: personal protective equipment, traffic control, material handling and equipment safety, hazardous material safety, etc.
- Subcontractors and their lower tier subcontractors will be required to comply with Temporary
 Facilities and Controls, all applicable OSHA standards, and other local, state, and federal
 regulations. The more stringent of these will apply.
- 3. This Subcontractor is fully responsible and accountable for safely performing this Bid Packages scope of work. The following items are typical safety requirements that shall be included in the scope of work, but is not intended to exclude any safety related item that may be required: personal protective equipment, fall arrest systems, fall protection barricades, scaffolding and ladder safety, electrical safety, hoist way and machine room safety, material handling and equipment safety, etc. and other required safety provisions.
- 4. All scaffolding, erection, dismantling, access and use of scaffolding are to be in full compliance with local and state regulations
- 5. Provide all traffic control (barricades, fences, flagmen, temporary signage, etc.) as required by the City of Wilmington, NCDOT, etc. to complete all work under this Bid Package.
- 6. Subcontractor is responsible to comply with Monteith Construction Safety Manual. Items include, but are not limited to the follow:
 - a. New employee training
 - b. Weekly toolbox talks
 - c. Task specific training
 - d. Drug and alcohol screening
 - e. Injury management
- 7. This contractor to provide all drinking water for employees.

ALLOWANCES

Allowance 1: Removal of 2,000 linear feet of unused data and telecom cabling. (#BP 26)

UNIT PRICES

Unit Price 1: Removal of unused data and telecom cabling, and strapping and J-hooks as required per code. \$_____ per linear foot. (#BP 26)

Unit Price 2 (Alternate #2): Removal of unsuitable soils and placement of compacted gravel as required for placement and transport of Mobile units. (#BP 31)



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ALTERNATES

Alternate #1: State the amount to be added to the base bid to construct the modifications to the student drop-off area and parking area as delineated in the civil drawings. Scope includes, but is not limited to the following:

Mill existing asphalt and install asphalt overlay per plans and specifications. Work also includes removing, salvaging, and re-installing existing concrete wheel stops and accessible parking signage, and installing new traffic striping and crosswalks.

Remove existing gravel and install new heavy-duty asphalt per plans and specifications. Work also includes installing new concrete sidewalk, steel bollards and chain, concrete wheel stops, traffic striping, landscaping and associated stormwater pipe/system and erosion control measures.

Alternate #2: State the amount to be added to the base bid to construct the mobile units including all required gravel, sidewalks, water systems, sanitary sewer systems, and other associated infrastructure as delineated in the contract documents.

Alternate #2 shall also include a \$5,000 allowance for Aluminum Ramp Foundations per A2.05.

Include all crossover connections between mobile floors as indicated in the drawings and as needed for a complete, functioning electrical system.

Include disconnecting of all security, fire alarm, data, and building crossovers and mobile unit power feeds at completion of project.

Include integration of all fire alarm, data, and PA with main building systems.

Include sanitary sewer manifold for mobile units as required to connect drops from all fixtures. Site contractor to bring new sanitary sewer main within 5 feet of each set of mobile units.

Include connection of domestic water at one location on each mobile unit (2). Domestic water to be brought within 5' of each mobile unit. Include all insulation of water piping above grade.

Include the demolition and removal of all sanitary sewer manifolds and domestic water connection at the completion of the project.

Alternate #3: State the amount to be added to the base bid to replace with new all electrical devices as delineated in the electrical drawings.



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Alternate #4: State the amount to be added to the base bid to provide new infrastructure in (33) classrooms for Recordex boards. Recordex boards shall be Owner supplied and Contractor installed.

Alternate #4 shall also include removal of (33) white boards with patch, repair, and paint of full extent of wall from which the board is removed.

Base bid shall include reinstallation of (33) salvaged projectors by a vendor qualified by the manufacturer of the existing projectors to be salvaged.

PREFERRED BRAND ALTERNATES

Alternate #5: State the amount to be added to the base bid to provide the basis of design door hardware as specified in section 08 71 00. No Substitutions permitted.

Alternate #6: State the amount to be added to the base bid to provide Johnson DDC controls as specified in section 23 09 23. No substitutions permitted.

Alternate #7: State the amount to be added to the base bid to provide Bogen intercom speakers and OWI speakers as specified in 27 51 16. No substitutions permitted.

Alternate #8: State the amount to be added to the base bid to provide a Notifier fire alarm system as specified in section 28 46 21. No substitutions permitted.

Alternate #9: State the amount to be added to the base bid to provide a United Security Products emergency panic alarm system as specified in section 28 16 00. No substitutions permitted.

Bid Package #BP 23 23 00 00 General Mechanical

Description of Work

The following information is provided to define and describe the scope of work required of the successful Bidder and is intended to be complementary with the requirements of all other Contract Documents.

The scope of the work shall include, but not necessarily be limited to, providing the following:

MECHANICAL

1. Provide mechanical systems complete and operable per applicable codes and as indicated on the drawings, specifications and bid scope of work.



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- Disconnection and demolition and removal of existing HVAC systems (including ductwork, piping, insulation, hangers & supports, etc.) as indicated and as required for the installation of the new HVAC work. Include all necessary valves, stops, caps, etc. to make the system safe for demolition.
- This subcontractor to include demolition and removal of existing kitchen hood and provide and install new hood as indicated on drawings and specifications. Installation of new kitchen hood to be coordinated with fire suppression and electrical subcontractor.
- 4. Provide and install stainless steel duct and fire wrap insulation for kitchen hood exhaust as indicated in contract documents.
- 5. Include protection of existing roof in all areas where HVAC is located on roofing to remain. All penetrations to roof membrane to be cut and repaired by roofing subcontractor.
- This subcontractor to coordinate with owner and construction manager for BAS controls interface. Regular progress reports on integration of new units to existing interface to be provided to construction manager.
- 7. Include for all wall and ceiling cutting and patching to complete this work.
- 8. Ensure climate control in occupied areas during construction including temp cooling and heat as necessary.
- 9. Variable frequency drives, insulation, mechanical piping, underground pre-insulated piping, pumps, water treatment, air distribution, fans, terminal units, louvers, boilers, heat pumps, chillers, air handling units, commissioning, electric unit heaters, condensing units, tanks, fire / smoke dampers, fire dampers, balancing dampers, valves, switches, reducers, exhausts, flues and caps, pre-manufactured expansion loops, access doors, and all mechanical equipment as indicated on the contract documents and / or needed to provide a complete operational system.
- 10. Deliver and keep open ends of ductwork closed off to prevent debris / dust from entering until building is completely enclosed.
- 11. Installation of duct-mounted smoke detectors including sampling tubes furnished by the Electrical Subcontractor. Coordinate with Electrical Subcontractor for location and requirements.
- 12. Mechanical control systems, including the complete building automation system and all associated control / interlock wiring (regardless of voltage), etc. Review fire protection, plumbing, and electrical documents for equipment furnished by other trades that must be monitored by the building automation system.
- 13. Wiring of dampers, VAVs, other control devices from junction boxes provided by the Electrical Subcontractor in locations indicated on the electrical drawings.
- 14. Motor starters, fuses and disconnects integral with mechanical equipment.
- 15. Furnish variable frequency drives to Electrical Subcontractor for installation.



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- 16. Review electrical drawings to verify that power shown to be provided for equipment furnished by this Bid Package is adequate. If equipment furnished requires different power than that shown on the electrical drawings, the cost to revise the power is the responsibility of this Bid Package.
- 17. Provide louvers and vents that are integral with mechanical equipment. Architectural louvers are provided by others.
- 18. Connect owner-furnished equipment that is related to this scope of work. Provide connections, fittings, valves, etc. as necessary for installation.
- 19. Provide complete testing of mechanical systems.
- 20. Support commissioning of systems installed under this Bid Package as required.
- 21. Provide excavation, backfill, compaction and spoils removal necessary for the work within this package.
- 22. Provide vibration isolation and seismic control devices and calculations required by regulations for seismic site class as indicated on the contract documents.
- 23. Provide pads, curbs, inertia bases and other concrete work necessary for the installation of the work within this package.
- 24. Provide bracing, framing, support and anchorage of work in this package as required for structural attachment, wind-loading requirements, and all governing codes and requirements. Steel and miscellaneous metals shown and sized on the structural drawings will be provided by the Structural Steel and Miscellaneous Metals Subcontractor. Any additional or supplemental requirements are the responsibility of this Bid Package. Provide hanger wires where required to support diffusers, devices, etc.
- 25. Provided blocking / backing is provided by the Drywall Subcontractor. Submit blocking / backing requirements and location drawings to the Drywall Subcontractor. Blocking / backing that is not submitted will be the responsibility of this Bid Package.
- 26. Provided roof curbs as required for work under this Bid Package. Coordinate curb height with Roofing and Sheet Metal Subcontractor and the slope of the roof deck to ensure adequate flashing height is provided.
- 27. Provide caulking, sealants, and fire-stopping for all work installed under this Bid Package.
- 28. Provide metal angles at duct penetrations as required.
- 29. Provide access doors as necessary or specified for this work.
- 30. Provide sleeves, block-outs, coring and supports necessary for the work within this package.
- 31. Furnish sleeves for all masonry wall penetrations in new masonry construction. The Masonry Subcontractors is to install the sleeves. The Mechanical Subcontractor is to clearly indicate the exact location for the sleeves and verify location.



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- 32. Provide embeds, sleeves, block-outs, etc. to be cast in concrete floors and walls. Verify all openings shown on structural drawings for mechanical ductwork / piping are correct and verify locations in the field prior to concrete being poured.
- 33. Provide mechanical openings required in the existing construction shall be provided by this Bid Package, including any support steel as shown or required by the Architect / Engineer. This bid Package to include all cutting and patching required for this work.
- 34. Attachment to roof deck is not allowed. Attachments must be made to roof joists and main structural framing members
- 35. Provide layout and engineering as required for all work in this Bid Package.
- 36. Provide insulation for mechanical systems.
- 37. Provide coding and labeling of piping, systems, and equipment as necessary for work within this package. Painting of exposed mechanical work is by the Painting Subcontractor. Labels are to be installed after painting by the Mechanical Subcontractor.
- 38. Install all piping, ductwork, and sleeves parallel to or at right angles to the building structure.
- 39. Install hangers prior to fireproofing when possible and patch otherwise at the expense of this package.
- 40. Provide factory start up and owner training.
- 41. Provide testing and system certifications as required.
- 42. Provide filters and extended warranties as required for use of mechanical system during building construction. Replace filters during construction as required. Include set of clean filters for balancing and if required, a new set prior to Owner acceptance.
- 43. Provide electrical distribution in excess of the temporary electric provided for the project as required for welders, hoists, etc.
- 44. Provide hoisting for setting equipment at equipment yard after masonry walls are constructed.
- 45. Attendance at weekly subcontractor meetings by all second-tier subcontractors under this Bid Package is required at least two weeks prior to and during their work onsite.
- 46. Include a \$3,000.00 allowance for Coordination Drawings.

TEST AND BALANCE

- This Subcontractor shall provide complete test and balance of mechanical systems that includes but is not limited to the following items: providing all labor, material, equipment, and hoisting necessary and/or incidental as required to complete the scope of work identified in the Construction Documents.
- $2. \quad \text{Perform testing, adjusting, and balancing for all HVAC} \ \text{and domestic water systems}.$
- Perform a complete design review of the Construction Documents, shop drawings, and submittal information for discrepancies.



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- 4. Perform testing and adjusting for pressurization from space to space with complete documentation.
- Coordinate testing requirements and reports with the Mechanical, Electrical Subcontractor, and Commissioning Agent.
- 6. Use test instruments that have been calibrated within a time period as recommended by the certifying agency or the manufacturer, whichever is more recent. Instruments shall be checked for accuracy prior to the start of the testing, adjusting, and balancing activity. The Subcontractor shall be responsible for the selection of the test instruments used to perform this work, and shall submit a complete list of instruments it proposes for approval. The list shall include the manufacturers name, model, and serial number of each instrument and copies of calibration certificates prior to beginning work. No work shall commence until the list has been approved by Monteith Construction. Re-measurement of air distribution devices shall be accomplished utilizing the same instruments used in the original balance report.
- 7. Measure up to ten percent (10%) of air distribution devices (or more if required by Contract Documents) in the presence of the Owner, Architect, Engineers, and Monteith Construction to demonstrate the final balance report is correct.
- 8. Submit the final balancing report for approval. Promptly address all listed deficient items including re-balancing as necessary. Resubmit a revised final report if required. This process shall be repeated at the Subcontractor's expense until the report is accepted by the Architect and Engineers without corrections needed.
- 9. Include the cost to replace sheaves and belts required for correct balance.
- 10. Participate in and provide guidance during the development of coordination drawings. Identify and locate where additional dampers, valves, etc. are needed for proper execution of this scope of work.
- 11. Provide all platform ladders, scaffolding, and other means to access required areas.

GENERAL

- 1. See drawing CS-04 for phasing plan.
- 2. All disruptive construction activities to be performed after school hours as determined by MCC.
- 3. Supply attic stock as required per specifications.
- 4. Provide samples and mock-ups as required.
- 5. Field dimensions, layout, measurements, and engineering required for this scope of work shall be provided by this Subcontractor.
- 6. Clean-up all debris created by this Subcontractor on a daily basis. If this subcontractor fails to do so, the Owner and the Construction Manager reserves the right to hire a cleaning company to clean these areas at this Subcontractor's expense.



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- Submittals, samples, and shop drawings shall be provided by this Subcontractor for all materials being furnished and/or installed for this scope of work. They are to be submitted within sixty (60) days from Notice to Proceed or sooner if required so that they will enable all affected parties to meet the Project Schedule.
- 8. Multiple mobilizations may be required to perform this scope of work and all costs to perform the work in accordance with the Project Schedule are included.
- 9. It is the responsibility of this Subcontractor to review the other Bid Packages to ensure that the work scope included herein is not duplicated in other Bid Packages. If it is included in other Bid Packages, notify the Construction Manager immediately so that this work can be removed from one of the Bid Packages. If no notification is made, this Subcontractor will be responsible for the duplicated work.
- 10. Review architectural details with civil and structural details to ensure coordination has been made. Report any design discrepancies discovered to the Construction Manager immediately.
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- 12. The Owner will employ an independent testing agency (ITA) to perform all testing and inspection services required. This Subcontractor will be required to cooperate with ITA during all inspections. This Subcontractor will be responsible to notify the Construction Manager twenty-four (24) hours in advance of any required inspections. The Construction Manager will be responsible for scheduling all inspections. All results are to be reported in a field report issued by the ITA to the Construction Manager for distribution to this Subcontractor, the A/E, the Owner, and the Building Inspector.
- 13. Must follow Monteith Constructions Waste Management Policy.

SPECIAL CONDITIONS

- 1. Reference the Special Conditions to the Contract section for temporary measures, hoisting, clean-up, and other additional requirements under this Bid Package.
- 2. Include expected durations for delivery and installation of this scope of work.
- 3. All deliveries must be coordinated and scheduled with the Construction Manager's project superintendent prior to delivery on site.

SAFETY

 This Subcontractor is fully responsible and accountable for safely performing this Bid Package scope of work. The following items are typical safety requirements that shall be included in the scope of work, but are not intended to exclude any safety related item that may be required: personal protective equipment, traffic control, material handling and equipment safety, hazardous material safety, etc.



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- 2. Subcontractors and their lower tier subcontractors will be required to comply with Temporary Facilities and Controls, all applicable OSHA standards, and other local, state, and federal regulations. The more stringent of these will apply.
- 3. This Subcontractor is fully responsible and accountable for safely performing this Bid Packages scope of work. The following items are typical safety requirements that shall be included in the scope of work, but is not intended to exclude any safety related item that may be required: personal protective equipment, fall arrest systems, fall protection barricades, scaffolding and ladder safety, electrical safety, hoist way and machine room safety, material handling and equipment safety, etc. and other required safety provisions.
- 4. All scaffolding, erection, dismantling, access and use of scaffolding are to be in full compliance with local and state regulations
- 5. Provide all traffic control (barricades, fences, flagmen, temporary signage, etc.) as required by the City of Wilmington, NCDOT, etc. to complete all work under this Bid Package.
- 6. Subcontractor is responsible to comply with Monteith Construction Safety Manual. Items include, but are not limited to the follow:
 - a. New employee training
 - b. Weekly toolbox talks
 - c. Task specific training
 - d. Drug and alcohol screening
 - e. Injury management
- 7. This contractor to provide all drinking water for employees.

ALLOWANCES

Allowance 1: Removal of 2,000 linear feet of unused data and telecom cabling. (#BP 26)

UNIT PRICES

Unit Price 1: Removal of unused data and telecom cabling, and strapping and J-hooks as required per code. \$_____ per linear foot. (#BP 26)

Unit Price 2 (Alternate #2): Removal of unsuitable soils and placement of compacted gravel as required for placement and transport of Mobile units. (#BP 31)

ALTERNATES

Alternate #1: State the amount to be added to the base bid to construct the modifications to the student drop-off area and parking area as delineated in the civil drawings. Scope includes, but is not limited to the following:



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Mill existing asphalt and install asphalt overlay per plans and specifications. Work also includes removing, salvaging, and re-installing existing concrete wheel stops and accessible parking signage, and installing new traffic striping and crosswalks.

Remove existing gravel and install new heavy-duty asphalt per plans and specifications. Work also includes installing new concrete sidewalk, steel bollards and chain, concrete wheel stops, traffic striping, landscaping and associated stormwater pipe/system and erosion control measures.

Alternate #2: State the amount to be added to the base bid to construct the mobile units including all required gravel, sidewalks, water systems, sanitary sewer systems, and other associated infrastructure as delineated in the contract documents.

Alternate #2 shall also include a \$5,000 allowance for Aluminum Ramp Foundations per A2.05.

Include all crossover connections between mobile floors as indicated in the drawings and as needed for a complete, functioning electrical system.

Include disconnecting of all security, fire alarm, data, and building crossovers and mobile unit power feeds at completion of project.

Include integration of all fire alarm, data, and PA with main building systems.

Include sanitary sewer manifold for mobile units as required to connect drops from all fixtures. Site contractor to bring new sanitary sewer main within 5 feet of each set of mobile units.

Include connection of domestic water at one location on each mobile unit (2). Domestic water to be brought within 5' of each mobile unit. Include all insulation of water piping above grade.

Include the demolition and removal of all sanitary sewer manifolds and domestic water connection at the completion of the project.

Alternate #3: State the amount to be added to the base bid to replace with new all electrical devices as delineated in the electrical drawings.

Alternate #4: State the amount to be added to the base bid to provide new infrastructure in (33) classrooms for Recordex boards. Recordex boards shall be Owner supplied and Contractor installed.

Alternate #4 shall also include removal of (33) white boards with patch, repair, and paint of full extent of wall from which the board is removed.



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Base bid shall include reinstallation of (33) salvaged projectors by a vendor qualified by the manufacturer of the existing projectors to be salvaged.

PREFERRED BRAND ALTERNATES

Alternate #5: State the amount to be added to the base bid to provide the basis of design door hardware as specified in section 08 71 00. No Substitutions permitted.

Alternate #6: State the amount to be added to the base bid to provide Johnson DDC controls as specified in section 23 09 23. No substitutions permitted.

Alternate #7: State the amount to be added to the base bid to provide Bogen intercom speakers and OWI speakers as specified in 27 51 16. No substitutions permitted.

Alternate #8: State the amount to be added to the base bid to provide a Notifier fire alarm system as specified in section 28 46 21. No substitutions permitted.

Alternate #9: State the amount to be added to the base bid to provide a United Security Products emergency panic alarm system as specified in section 28 16 00. No substitutions permitted.

Bid Package #BP 26
26 05 00 General Electrical
26 05 19 Building Wire and Cable
26 05 26 Grounding and Bonding
26 05 29 Supporting Devices
26 05 33 Raceways and Boxes for Electrical Systems
26 05 34 Boxes
26 05 53 Electrical Identification
26 09 23 Enclosed Contactors
26 22 00 Dry Type Transformers
26 24 13 Distribution Switchboards
26 24 16 Panelboards



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26 27 26 Wiring Devices
26 27 27 Occupancy Sensors
26 28 13 Fuses
26 28 16 Enclosed Switches
26 28 17 Enclosed Circuit Breakers
26 43 13 Surge Protection Devices
26 51 00 Interior Luminaires
26 52 00 Emergency and Exit Lighting
27 05 00 Data and Voice Communications
27 05 10 Telecommunications Pathways
27 51 16 Public Address Systems
28 13 00 Video Intercom and Access Control
28 16 00 Intrusion Detection
28 46 21.11 Addressable Fire-Alarm Systems

Description of Work

The following information is provided to define and describe the scope of work required of the successful Bidder and is intended to be complementary with the requirements of all other Contract Documents

The scope of the work shall include, but not necessarily be limited to, providing the following:

ELECTRICAL

- 1. Provide and Install grid wires for light fixtures per specifications.
- 2. Disconnect and reinstall all kitchen equipment as needed for replacement of kitchen hood.
- 3. Disconnect and reinstall all ansul systems and fire alarm monitoring for replacement of kitchen hood.



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- Replace distribution equipment as coordinated and agreed upon with owner and construction manager.
- 5. Any work completed after Gym Floor Installation will require the Subcontractor to supply and install floor protection with ½" foam insulation and ¾" plywood.
- Provide all Tamper and Flow switches as needed for complete monitoring of Fire Protection System. Tampers and Flows to be installed by Fire Suppression Subcontractor and terminated by Fire Alarm Vendor.
- Provide electrical systems complete and operable per applicable codes and as indicated on the drawings, specifications and bid scope of work.
- 8. Include for all wall and ceiling cutting and patching to complete this work.
- 9. Removal, storage, and reinstallation of all electrical and AV devices to be reused.
- 10. Installation of owner provided equipment.
- 11. Ensure working condition of all occupied areas while making safe construction areas per phasing plan.
- 12. Disconnection and demolition and removal of existing electrical systems (including lighting, boxes, receptacles, hangers & supports, etc.) as indicated and as required for the installation of the new electrical work. Include all necessary items to make the system safe for demolition.
- 13. Provide all site electrical, power to lift stations, and low voltage demolition and relocation as shown on the Contract Documents. This includes backfill and compaction to required subgrades.
- 14. Provide site lighting that is not noted as being provided by the utility company. This work includes poles, engineering and design of new poles, drilling and installation of poles, concrete bases, backfill of poles and removal of spoils, installation of lighting, conduit, wiring, terminations, lighting controls, etc.
- 15. Provide underground conduit / sleeves as shown on the Contract Documents for lights at the parking lots that are provided by the local utility company.
- 16. Re-support existing to remain low voltage cabling above ceiling as needed for code compliance.
- 17. The work of this Bid Package shall include patching and repairs required for existing roadways, paving, walks, and landscaping that are disturbed outside of the construction fencing limits solely for the installation of site electrical work. At a minimum, provide orange construction fencing around all site utility work.
- 18. Motor starters and disconnects where not integral with mechanical, plumbing, or fire protection equipment.
- 19. Install all variable frequency drives specified for mechanical and plumbing equipment.
- 20. Power rough-in, wiring and final connection of all owner-furnished equipment and equipment furnished by others. Coordinate new electrical services with the local utilities, local authorities, Engineer, Owner, and Construction Manager.



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- 21. Disconnection, demolition and removal of existing electrical and low voltage systems (including devices, cover plates, conduit, raceways, wiring, panels, disconnects, transformers, equipment, equipment curbs / pads, etc.) as indicated and as required for the installation of the new electrical work. Coordinate demolition of energized equipment with the Mechanical Subcontractor to ensure items are safe for demolition prior to removal.
- 22. Review all contract documents for systems and items that must remain in operation throughout demolition and construction including, but not necessarily limited to, systems in all other buildings on campus where no work is performed; fire alarm, telecomm, security, CATV headend equipment. All costs associated with maintaining continuous power is the responsibility of this Bid Package including, but not limited to, temporary conduit, wiring, panels, breakers, generators, fuel, etc.
- 23. Coordinate any shutdowns with Construction Manager.
- 24. Provide fire alarm system complete including rough-in, cabling, devices and equipment.
- 25. Wire sprinkler flow and tamper switches, including wiring, conduit, tie-into the fire alarm system. Provide and wire tamper switch at backflow.
- 26. Telephone / data systems complete including rough-in, cabling, devices and equipment.
- 27. Provided CATV system complete including rough-in, cabling, devices and equipment.
- 28. Provide cable support system.
- 29. Provide excavation, trenching, trench shoring, backfill, compaction and spoils removal necessary for the work within this package.
- 30. Provide dewatering necessary for the work within this package.
- 31. Provide pads, light pole bases, encasement and other concrete work necessary for the installation of the work within this package. Provide all interior and exterior housekeeping pads as required and provide chamfered edges. Interior pads are to be painted yellow.
- 32. Provide support as required for electrical panels and telephone equipment, including backboards, independent supports, etc. Include fire-retardant paint as indicated on plywood provided by this Bid Package.
- 33. In-wall blocking / backing is provided by the Drywall Subcontractor. Submit blocking / backing requirements and location drawings to the Drywall Subcontractor. Blocking / backing that is not submitted will be the responsibility of this Bid Package.
- 34. Provide caulking, sealants, fire-stopping, putty pads for all work installed under this Bid Package.
- 35. Provide color coding and labeling of conduit, boxes, systems, and equipment as required for work within this Bid Package.
- 36. Provide access doors as necessary or specified for work within this package.
- 37. Provide sleeves, block-outs, coring and supports necessary for the work within this package.



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- 38. Furnish sleeves for all masonry wall penetrations in new masonry construction. The Masonry Subcontractor is to install. The Electrical Subcontractor is to clearly indicate the exact location for the sleeves and verify location. This contractor is responsible for all cutting and patching Of this trade.
- 39. Furnish embeds, sleeves, block-outs, back boxes, etc. to be cast in concrete floors and walls to the Cast-In-Place Subcontractor.
- 40. Attachment to roof deck is not allowed. Attachments must be made to roof joists and main structural framing members. This applies to all work installed by this Bid Package, including hanger wires for light fixtures. Provide hanger wires where required to support light fixtures, devices, etc.
- 41. All raceways and sleeves shall be coordinated with adjacent walls to ensure that all penetrations enter and exit walls at 90 degree angles.
- 42. Provided authorized factory start up and owner training.
- 43. Provide testing and system certifications as required.
- 44. Provide extended warranties as required for use of electrical items during construction.
- 45. Provide temporary power, wiring, lighting and distribution in accordance with current OSHA requirements. Includes installation, maintenance, and removal. Include temporary power and removal of temporary Power to CM trailer.
- 46. The Electrical Subcontractor is to provide 120V temporary power service at one location at each building phase for use by all Subcontractors.
- 47. Attendance at weekly subcontractor meetings by all low voltage, second-tier subcontractors under this Bid Package is required at least two weeks prior to and during their work onsite.
- 48. During the priming and finish painting process, provide temporary cover plates over all junction boxes and devices. These plates shall be installed backwards to allow trimming around boxes. Upon completion, remove temporary plates and install permanent cover and device plates.
- 49. Include a \$3,000.00 allowance for Coordination Drawings.
- 50. Include \$10,000.00 for un-attributable damages incurred during construction. This Subcontractor shall submit daily work tickets to Monteith Constructions Superintendent to sign when this work is being performed. Any portion of the money that is not used by the end of project shall be credited back to Monteith Construction.

GENERAL

- 1. See drawing CS-04 for phasing plan.
- 2. All disruptive construction activities to be performed after school hours as determined by MCC.
- 3. Supply attic stock as required per specifications.
- 4. Provide samples and mock-ups as required.



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- Field dimensions, layout, measurements, and engineering required for this scope of work shall be provided by this Subcontractor.
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 so, the Owner and the Construction Manager reserves the right to hire a cleaning company to
 clean these areas at this Subcontractor's expense.
- Submittals, samples, and shop drawings shall be provided by this Subcontractor for all materials being furnished and/or installed for this scope of work. They are to be submitted within sixty (60) days from Notice to Proceed or sooner if required so that they will enable all affected parties to meet the Project Schedule.
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ALLOWANCES

Allowance 1: Removal of 2,000 linear feet of unused data and telecom cabling. (#BP 26)

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Unit Price 1: Removal of unused data and telecom cabling, and strapping and J-hooks as required per code. \$_____ per linear foot. (#BP 26)

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Alternate #1: State the amount to be added to the base bid to construct the modifications to the student drop-off area and parking area as delineated in the civil drawings. Scope includes, but is not limited to the following:

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Alternate #2 shall also include a \$5,000 allowance for Aluminum Ramp Foundations per A2.05.

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