Bid Category 02-01 : Demolition

A. INCLUDES

Except for those items (if any) specifically noted to be excluded as defined below, the work of this bid category shall include all of the work and contract requirements according to Division 1 complete, including all bid requirements, Contract Documents; General and Supplemental Conditions, and General Requirements. Should any conflict exist between this written scope of work and the scope of work inferred by the Division 1 General Requirements or the technical specifications listed below, the work required by this bid category description shall govern. Work of this bid category specifically includes the work of the technical specification sections listed below, in their entirety, unless otherwise noted within this work category description:

Specification Sections

02 4100 Demo *(As pertains to this bid category)*

B. CLARIFICATIONS

1. All Contractors are required to submit to a background check before starting onsite. QR code will be provided at jobsite orientation for completion.
2. All deliveries must only be coordinated between 9am – 2pm daily. NO deliveries are to be set-up outside of this window.
3. All construction activities and laydown areas must be kept inside of the construction fence. No disruption to the school's normal operations will be permitted.
4. Provide continuous coordination with trade contract work of other contract categories as required to accomplish work of this category.
5. All layout required for work of this category.
6. Include labor, materials, equipment, incidental hardware, tools and materials required to receive, unload, store, protect, and install work of this category.
7. Perform, furnish and installation of all specifications sections above unless noted differently below.
8. Onsite foreman to participate in daily huddles (15 minutes) with the CM Superintendent and other trade foreman at a designated time as well as weekly scheduling meetings in the Granger Trailer/Field Office.
9. Onsite foreman/superintendent/competent person to have tablet with Procore and appropriate internet plan for use at all times.
10. Provide continuous trash removal and cleanup required for this bid category.
11. 1-hour of unidentifiable clean up take place and be used at the project teams direction.
12. Notify CM of any discrepancies between the drawings before removal/re-work of the work in question.
13. Immediately submit submittal information as defined by Section 013300; meeting schedule requirements of section 013216. Contractor is responsible for advising Granger Construction in writing of submittal deadlines in order to meet project schedule. Costs associated with delays due to lack of submittal approval as a result of not submitting in an appropriate manner of inappropriate submittals that affect delivery will be the responsibility of this contractor.
14. Provide a 2-year labor warranty for all work performed under this bid category. To be effective start of Substantial Completion.
15. Provided demo for all identified areas on construction drawings.
16. Coordinate with CM for a location for any salvaged items.
17. Provide all dumpsters during demo phase specific to this bid category for duration of work. Concrete material to be disposed of in separate dumpster.
18. Demo soffit & roof edge as shown in drawings. Exterior soffit and roof demolition will need to be coordinated with CM team and roofing contractor. 'Area E' roofing to remain intact and undisturbed during construction.
19. Installation, sanding, cutting and cleanup to be complete as per MIOSHA Silica Requirements.

20. Provide saw-cutting on all existing concrete slab and interior terrazzo as indicated in drawings and specs.
21. Demo existing exterior frost slab and concrete slab as indicated in drawings and specs.
22. Provide demo of identified building exterior brick. Contractor to ensure straight saw-cut edge is turned-over to masonry contractor along grout line. Coordinate saw-cutting with masonry contractor and onsite supervision.

C. EXCLUDED

1. M/E/P Demolition per plans & Specs
2. Saw cutting of Asphalt surfaces

D. ALLOWANCES

1. N/A

F. REQUESTED ALTERNATES

1. N/A

END OF SECTION

Bid Category 03-01 : Cast-in-Place Concrete

A. INCLUDES

Except for those items (if any) specifically noted to be excluded as defined below, the work of this bid category shall include all of the work and contract requirements according to Division 1 complete, including all bid requirements, Contract Documents; General and Supplemental Conditions, and General Requirements. Should any conflict exist between this written scope of work and the scope of work inferred by the Division 1 General Requirements or the technical specifications listed below, the work required by this bid category description shall govern. Work of this bid category specifically includes the work of the technical specification sections listed below, in their entirety, unless otherwise noted within this work category description:

Specification Sections

03 3000	Cast-in-Place Concrete
03 3003	Cast-in Place Concrete Requirements for Floor Slabs
07 1113	Bituminous Dampproofing

B. CLARIFICATIONS

1. All Contractors are required to submit to a background check before starting onsite. QR code will be provided at jobsite orientation for completion.
2. All deliveries must only be coordinated between 9am – 2pm daily. NO deliveries are to be set-up outside of this window.
3. All construction activities and laydown areas must be kept inside of the construction fence. No disruption to the school's normal operations will be permitted.
4. Provide continuous coordination with trade contract work of other contract categories as required to accomplish work of this category.
5. All layout required for work of this category.
6. Include labor, materials, equipment, incidental hardware, tools and materials required to receive, unload, store, protect, and install work of this category.
7. Onsite foreman to participate in daily huddles (15 minutes) with the CM Superintendent and other trade foreman at a designated time as well as weekly scheduling meetings in the Granger Trailer/Field Office.
8. Onsite foreman/superintendent/competent person to have tablet with Procore and appropriate internet plan for use at all times.
9. Provide continuous trash removal and cleanup required for this bid category.
10. 1-hour of unidentifiable clean up take place and be used at the project teams direction.
11. Notify CM of any discrepancies between the drawings before removal/re-work of the work in question.
12. Immediately submit submittal information as defined by Section 013300; meeting schedule requirements of section 013216. Contractor is responsible for advising Granger Construction in writing of submittal deadlines in order to meet project schedule. Costs associated with delays due to lack of submittal approval as a result of not submitting in an appropriate manner of inappropriate submittals that affect delivery will be the responsibility of this contractor.
13. Provide a 2-year labor warranty for all work performed under this bid category. To be effective start of Substantial Completion.
14. Include and define in your proposal expediting costs for long lead time of greater than 4-6 weeks as separate line item.
15. Perform, furnish and installation of all specification sections above unless noted differently below
16. Provide joint sealants per section 07 9200 and the Joint Sealant Schedule for job complete of all dissimilar materials as mentioned.
17. Provide all concrete testing and cylinders as indicated in drawings and specs.
18. Furnish and install all Cast-in Place Concrete lids and walls as indicated in drawings and specs.

19. Furnish and install all concrete foundations, ramps, steps and landings, stoops, etc. as indicated in drawings and specs.
20. Furnish and install rigid insulation that butts up to concrete ramps and stoops as indicated on S4.1.

C. EXCLUDED

1. N/A

D. ALLOWANCES

1. N/A

E. REQUESTED ALTERNATES

1. N/A

END OF SECTION

Bid Category 04-01 : Masonry

A. INCLUDES

Except for those items (if any) specifically noted to be excluded as defined below, the work of this bid category shall include all of the work and contract requirements according to Division 1 complete, including all bid requirements, Contract Documents; General and Supplemental Conditions, and General Requirements. Should any conflict exist between this written scope of work and the scope of work inferred by the Division 1 General Requirements or the technical specifications listed below, the work required by this bid category description shall govern. Work of this bid category specifically includes the work of the technical specification sections listed below, in their entirety, unless otherwise noted within this work category description:

Specification Sections

04 2000	Unit Masonry
07 1300	Sheet Waterproofing
07 2726	Fluid-Applied Membrane Air Barriers
07 9513	Expansion Joint Cover Assembly

B. CLARIFICATIONS

1. All Contractors are required to submit to a background check before starting onsite. QR code will be provided at jobsite orientation for completion.
2. All deliveries must only be coordinated between 9am – 2pm daily. NO deliveries are to be set-up outside of this window.
3. All construction activities and laydown areas must be kept inside of the construction fence. No disruption to the school's normal operations will be permitted.
4. Provide continuous coordination with trade contract work of other contract categories as required to accomplish work of this category.
5. All layout required for work of this category.
6. Include labor, materials, equipment, incidental hardware, tools and materials required to receive, unload, store, protect, and install work of this category.
7. Onsite foreman to participate in daily huddles (15 minutes) with the CM Superintendent and other trade foreman at a designated time as well as weekly scheduling meetings in the Granger Trailer/Field Office.
8. Onsite foreman/superintendent/competent person to have tablet with Procore and appropriate internet plan for use at all times.
9. Provide continuous trash removal and cleanup required for this bid category.
10. 1-hour of unidentifiable clean up take place and be used at the project teams direction.
11. Notify CM of any discrepancies between the drawings before removal/re-work of the work in question.
12. Immediately submit submittal information as defined by Section 013300; meeting schedule requirements of section 013216. Contractor is responsible for advising Granger Construction in writing of submittal deadlines in order to meet project schedule. Costs associated with delays due to lack of submittal approval as a result of not submitting in an appropriate manner of inappropriate submittals that affect delivery will be the responsibility of this contractor.
13. Provide a 2-year labor warranty for all work performed under this bid category. To be effective start of Substantial Completion.
14. Include and define in your proposal expediting costs for long lead time of greater than 4-6 weeks as separate line item.
15. Perform, furnish and installation of all specification sections above unless noted differently below
16. Furnish and install all interior & exterior CMU masonry units with reinforcements as indicated in drawings and specs.
17. Furnish and install a complete building exterior brick veneer envelope as indicated in drawings and specs.

18. Exterior louver opening sizes need to be coordinated with Mechanical contractor.
19. Tooth in existing building edge with new addition for seamless transition as indicated in drawings and specs. Coordinate saw-cutting line with demo contractor.
20. Furnish and install 1” building expansion joint and cover assembly separating existing building from addition as indicated in drawings and specs.
21. Install all lintels set in masonry as indicated in drawings and specs. Lintels to be provided by Structural Steel contractor.
22. Furnish and install all insulation within masonry walls as indicated in drawings and specs

C. EXCLUDED

1. N/A

D. ALLOWANCES

1. N/A

E. REQUESTED ALTERNATES

1. N/A

END OF SECTION

Bid Category 05-01 : Structural & Misc. Steel

A. INCLUDES

Except for those items (if any) specifically noted to be excluded as defined below, the work of this bid category shall include all of the work and contract requirements according to Division 1 complete, including all bid requirements, Contract Documents; General and Supplemental Conditions, and General Requirements. Should any conflict exist between this written scope of work and the scope of work inferred by the Division 1 General Requirements or the technical specifications listed below, the work required by this bid category description shall govern. Work of this bid category specifically includes the work of the technical specification sections listed below, in their entirety, unless otherwise noted within this work category description:

Specification Sections

05 1200	Structural Steel Framing
05 2100	Steel Joist Framing
05 3100	Steel Decking
05 5000	Metal Fabrication

B. CLARIFICATIONS

1. All Contractors are required to submit to a background check before starting onsite. QR code will be provided at jobsite orientation for completion.
2. All deliveries must only be coordinated between 9am – 2pm daily. NO deliveries are to be set-up outside of this window.
3. All construction activities and laydown areas must be kept inside of the construction fence. No disruption to the school's normal operations will be permitted.
4. Provide continuous coordination with trade contract work of other contract categories as required to accomplish work of this category.
5. All layout required for work of this category.
6. Include labor, materials, equipment, incidental hardware, tools and materials required to receive, unload, store, protect, and install work of this category.
7. Onsite foreman to participate in daily huddles (15 minutes) with the CM Superintendent and other trade foreman at a designated time as well as weekly scheduling meetings in the Granger Trailer/Field Office.
8. Onsite foreman/superintendent/competent person to have tablet with Procore and appropriate internet plan for use at all times.
9. Provide continuous trash removal and cleanup required for this bid category.
10. 1-hour of unidentifiable clean up take place and be used at the project teams direction.
11. Notify CM of any discrepancies between the drawings before removal/re-work of the work in question.
12. Immediately submit submittal information as defined by Section 013300; meeting schedule requirements of section 013216. Contractor is responsible for advising Granger Construction in writing of submittal deadlines in order to meet project schedule. Costs associated with delays due to lack of submittal approval as a result of not submitting in an appropriate manner of inappropriate submittals that affect delivery will be the responsibility of this contractor.
13. Provide a 2-year labor warranty for all work performed under this bid category. To be effective start of Substantial Completion.
14. Include and define in your proposal expediting costs for long lead time of greater than 4-6 weeks as separate line item.
15. Perform, furnish and installation of all specification sections above unless noted differently below
16. Provide and install structural metal roof decking, joists, angles and supports per plans and specs. Layout and dimensions of steel can be coordinated with Structural Drawings.
17. Provide and install 4"x4"x8' 12-gauge steel angle supports per plans and specs.
18. Provide and install structural steel channel framing at roof openings per detail 1/A8.2 in all locations.

19. Furnish and install exterior metal handrail as identified in drawings and specs. Layout and dimensions are located in the civil drawings.
20. Furnish lintels for new exterior and interior opening per plans and specs; lintels to be installed by others.
21. Furnish misc. steel angle lintels for all masonry duct penetrations; lintels to be installed by others.
22. Furnish and install W12x19 to support operable partition walls as indicated in drawings and specs.
23. Furnish and install roof access ladder as indicated in drawings and specs.

C. EXCLUDED

1. N/A

D. ALLOWANCES

1. N/A

E. REQUESTED ALTERNATES

END OF SECTION

Bid Category 06-01 : Carpentry & General Trades

A. INCLUDES

Except for those items (if any) specifically noted to be excluded as defined below, the work of this bid category shall include all of the work and contract requirements according to Division 1 complete, including all bid requirements, Contract Documents; General and Supplemental Conditions, and General Requirements. Should any conflict exist between this written scope of work and the scope of work inferred by the Division 1 General Requirements or the technical specifications listed below, the work required by this bid category description shall govern. Work of this bid category specifically includes the work of the technical specification sections listed below, in their entirety, unless otherwise noted within this work category description:

Specification Sections

06 1000	Rough Carpentry
06 4023	Interior Architectural Woodwork
07 8400	Firestopping *(As pertains to this bid category)*
07 9100	Preformed Joint Seals *(As pertains to this bid category)*
07 9200	Joint Sealant *(As pertains to this bid category)*
08 1113	Hollow Metal Doors & Frames
08 1416	Flush Wood Doors
08 3323	Overhead Coiling Doors
08 7100	Door Hardware
08 8300	Mirrors
10 0100	Misc. Specialties
10 1100	Visual Display Boards
10 1416	Plaques
10 1419	Dimensional Letter & Signage
10 1423	Panel Signage
10 2113.15	FRP-Clad Toilet Compartments
10 2239	Folding Panel Partitions
10 2600	Wall and Door Protection
10 2800	Toilet, Bath, and Laundry Accessories
10 4400	Fire Protection Specialties
10 5113	Metal Lockers
12 2400	Window Shades
12 3216	Manufactured Plastic Laminate-Clad Casework
12 3600	Countertops
32 3113	Chain Link Fence & Gate

B. CLARIFICATIONS

1. All Contractors are required to submit to a background check before starting onsite. QR code will be provided at jobsite orientation for completion.
2. All deliveries must only be coordinated between 9am – 2pm daily. NO deliveries are to be set-up outside of this window.
3. All construction activities and laydown areas must be kept inside of the construction fence. No disruption to the school's normal operations will be permitted.
4. Provide continuous coordination with trade contract work of other contract categories as required to accomplish work of this category.
5. All layout required for work of this category.
6. Include labor, materials, equipment, incidental hardware, tools and materials required to receive, unload, store, protect, and install work of this category.
7. Onsite foreman to participate in daily huddles (15 minutes) with the CM Superintendent and other trade foreman at a designated time as well as weekly scheduling meetings in the Granger Trailer/Field Office.

8. Onsite foreman/superintendent/competent person to have tablet with Procore and appropriate internet plan for use at all times.
9. Provide continuous trash removal and cleanup required for this bid category.
10. 1-hour of unidentifiable clean up take place and be used at the project teams direction.
11. Notify CM of any discrepancies between the drawings before removal/re-work of the work in question.
12. Immediately submit submittal information as defined by Section 013300; meeting schedule requirements of section 013216. Contractor is responsible for advising Granger Construction in writing of submittal deadlines in order to meet project schedule. Costs associated with delays due to lack of submittal approval as a result of not submitting in an appropriate manner of inappropriate submittals that affect delivery will be the responsibility of this contractor.
13. Provide a 2-year labor warranty for all work performed under this bid category. To be effective start of Substantial Completion.
14. Include and define in your proposal expediting costs for long lead time of greater than 4-6 weeks as separate line item.
15. Perform, furnish and installation of all specification sections above unless noted differently below
16. Furnish and install wood blocking within walls for wall mounted items as identified in drawings.
17. Installation, sanding, cutting and cleanup to be complete as per MIOSHA Silica Requirements.
18. Provide temporary site fire extinguishers per Front End Documents.
19. Provide joint sealants per section 07 9200 and the Joint Sealant Schedule for job complete of all dissimilar materials as mentioned.
20. Furnish and install folding partition walls as identified in drawings and specs.
21. Furnish and install tackboards as identified in drawings and specs.
22. Furnish and install all casework w/ hardware, and solid surface countertops w/ backsplash as identified in drawings and specs. Coordinate all sink cut opening with Plumbing contractor.
23. Install any identified Owner provided, Contractor Installed items in the drawings and specs.
24. Furnish and install a complete door, frame and hardware package as indicated in drawings and specs.
25. Furnish and install millwork bench’s at classroom entrance and bathroom as identified in drawings and specs.
26. Furnish and install metal locker system as identified in drawings and specs.
27. Furnish and install toilet accessories as identified and drawings and specs.
28. Furnish and install Tote storage vs. America space station as called out in drawings and spec section 10 0100.
29. Furnish and install all solid surface on plywood at glazing, windowsills as identified and drawings and specs.
30. Furnish and install all sliding markerboard systems as identified in classroom spaces per plans and specs.
31. Furnish and install chain link fencing with concrete footings as identified in drawings and specs. Details outlined in civil drawings.
32. Furnish and install temporary asphalt walk is indicated in logistic plan. Temporary asphalt walk to be complete by end of Summer 2026; coordinate walk with completion of underground utilities.
33. Provide new asphalt for trenched areas as indicated in civil drawings and specs. Coordinate with Plumbing contractor for trench size and length.

C. EXCLUDED

1. Aluminum Storefront Doors and Windows
2. Glazing for HM Window & Doors

D. ALLOWANCES

1. N/A

E. REQUESTED ALTERNATES

1. N/A

END OF SECTION

Bid Category 07-01 : Roofing

A. INCLUDES

Except for those items (if any) specifically noted to be excluded as defined below, the work of this bid category shall include all of the work and contract requirements according to Division 1 complete, including all bid requirements, Contract Documents; General and Supplemental Conditions, and General Requirements. Should any conflict exist between this written scope of work and the scope of work inferred by the Division 1 General Requirements or the technical specifications listed below, the work required by this bid category description shall govern. Work of this bid category specifically includes the work of the technical specification sections listed below, in their entirety, unless otherwise noted within this work category description:

Specification Sections

07 2100	Thermal Insulation
07 2500	Weather Barriers
07 5323	Ethylene-Propylene-Diene-Monomer (EPDM) Roofing
07 6200	Sheet Metal Flashing & Trim
07 7100	Roof Specialties
07 7200	Roof Accessories
07 9200	Joint Sealant *(As pertains to this bid category)*

B. CLARIFICATIONS

1. All Contractors are required to submit to a background check before starting onsite. QR code will be provided at jobsite orientation for completion.
2. All deliveries must only be coordinated between 9am – 2pm daily. NO deliveries are to be set-up outside of this window.
3. All construction activities and laydown areas must be kept inside of the construction fence. No disruption to the school's normal operations will be permitted.
4. Provide continuous coordination with trade contract work of other contract categories as required to accomplish work of this category.
5. All layout required for work of this category.
6. Include labor, materials, equipment, incidental hardware, tools and materials required to receive, unload, store, protect, and install work of this category.
7. Onsite foreman to participate in daily huddles (15 minutes) with the CM Superintendent and other trade foreman at a designated time as well as weekly scheduling meetings in the Granger Trailer/Field Office.
8. Onsite foreman/superintendent/competent person to have tablet with Procore and appropriate internet plan for use at all times.
9. Provide continuous trash removal and cleanup required for this bid category.
10. 1-hour of unidentifiable clean up take place and be used at the project teams direction.
11. Notify CM of any discrepancies between the drawings before removal/re-work of the work in question.
12. Immediately submit submittal information as defined by Section 013300; meeting schedule requirements of section 013216. Contractor is responsible for advising Granger Construction in writing of submittal deadlines in order to meet project schedule. Costs associated with delays due to lack of submittal approval as a result of not submitting in an appropriate manner of inappropriate submittals that affect delivery will be the responsibility of this contractor.
13. Provide a 2-year labor warranty for all work performed under this bid category. To be effective start of Substantial Completion.
14. Include and define in your proposal expediting costs for long lead time of greater than 4-6 weeks as separate line item.
15. Perform, furnish and installation of all specification sections above unless noted differently below

16. Include a complete EPDM roofing system including membrane and copings for a complete watertight and warrantied system. Provide all manufacturer inspection reports verifying warranty.
17. Report any deficiencies in existing roofing penetrations or flashings to CM immediately, prior to new roofing being installed.
18. During roof install, provide any temporary measures necessary for areas of roof left open overnight. No open roofs to be left over the weekends or more than two consecutive shifts without written approval from CM.
19. Include installation and removal of safety flagging system on roof per MIOSHA. This system to be reviewed with CM prior to installation and after roof work is completed, prior to removal.
20. Coordinate soffit and roof demolition with CM team and demo contractor. 'Area E' roofing to remain intact during construction.
21. Patch in existing 'Area E' exterior soffit and roofing after demo per drawings and specs. Flash in existing roofing system with new 'Area F' addition.
22. Coordinate Roof opening/penetrations quantity, size, and locations with all MEP work per drawings and specs.
23. Furnish and install roof hatch as indicated in drawings and specs.

C. EXCLUDED

1. N/A

D. ALLOWANCES
1. N/A

E. REQUESTED ALTERNATES
1. N/A

END OF SECTION

Bid Category 08-01 : Aluminum Glass & Glazing

A. INCLUDES

Except for those items (if any) specifically noted to be excluded as defined below, the work of this bid category shall include all of the work and contract requirements according to Division 1 complete, including all bid requirements, Contract Documents; General and Supplemental Conditions, and General Requirements. Should any conflict exist between this written scope of work and the scope of work inferred by the Division 1 General Requirements or the technical specifications listed below, the work required by this bid category description shall govern. Work of this bid category specifically includes the work of the technical specification sections listed below, in their entirety, unless otherwise noted within this work category description:

Specification Sections

07 8400	Firestopping *(As pertains to this bid category)*
07 9100	Preformed Joint Seals *(As pertains to this bid category)*
07 9200	Joint Sealant *(As pertains to this bid category)*
08 1610	FRP-Faced Aluminum Doors
08 4313	Aluminum-Framed Storefronts
08 7100	Door Hardware
08 8000	Glazing

B. CLARIFICATIONS

1. All Contractors are required to submit to a background check before starting onsite. QR code will be provided at jobsite orientation for completion.
2. All deliveries must only be coordinated between 9am – 2pm daily. NO deliveries are to be set-up outside of this window.
3. All construction activities and laydown areas must be kept inside of the construction fence. No disruption to the school's normal operations will be permitted.
4. Provide continuous coordination with trade contract work of other contract categories as required to accomplish work of this category.
5. All layout required for work of this category.
6. Include labor, materials, equipment, incidental hardware, tools and materials required to receive, unload, store, protect, and install work of this category.
7. Onsite foreman to participate in daily huddles (15 minutes) with the CM Superintendent and other trade foreman at a designated time as well as weekly scheduling meetings in the Granger Trailer/Field Office.
8. Onsite foreman/superintendent/competent person to have tablet with Procore and appropriate internet plan for use at all times.
9. Provide continuous trash removal and cleanup required for this bid category.
10. 1-hour of unidentifiable clean up take place and be used at the project teams direction.
11. Notify CM of any discrepancies between the drawings before removal/re-work of the work in question.
12. Immediately submit submittal information as defined by Section 013300; meeting schedule requirements of section 013216. Contractor is responsible for advising Granger Construction in writing of submittal deadlines in order to meet project schedule. Costs associated with delays due to lack of submittal approval as a result of not submitting in an appropriate manner of inappropriate submittals that affect delivery will be the responsibility of this contractor.
13. Provide a 2-year labor warranty for all work performed under this bid category. To be effective start of Substantial Completion.
14. Include and define in your proposal expediting costs for long lead time of greater than 4-6 weeks as separate line item.
15. Perform, furnish and installation of all specification sections above unless noted differently below

16. Furnish and install all interior and exterior Glazing per plans and specs. Coordinate with Frame & Door supplier to verify glazing sizes. Glazing sizing to be verified in field.
17. Furnish and install all Aluminum Store front systems with integrated glazing as indicated in drawings and specs.

C. EXCLUDED

1. N/A

D. ALLOWANCES

1. N/A

E. REQUESTED ALTERNATES

1. N/A

END OF SECTION

Bid Category 09-01 : Drywall & Acoustical

A. INCLUDES

Except for those items (if any) specifically noted to be excluded as defined below, the work of this bid category shall include all of the work and contract requirements according to Division 1 complete, including all bid requirements, Contract Documents; General and Supplemental Conditions, and General Requirements. Should any conflict exist between this written scope of work and the scope of work inferred by the Division 1 General Requirements or the technical specifications listed below, the work required by this bid category description shall govern. Work of this bid category specifically includes the work of the technical specification sections listed below, in their entirety, unless otherwise noted within this work category description:

Specification Sections

07 8400	Firestopping *(As pertains to this bid category)*
07 9100	Preformed Joint Seals *(As pertains to this bid category)*
07 9200	Joint Sealant *(As pertains to this bid category)*
08 3100	Access Doors & Panels
09 2216	Non-Structural Metal Framing
09 2900	Gypsum Board Assemblies
09 5100	Acoustical Ceiling

B. CLARIFICATIONS

1. All Contractors are required to submit to a background check before starting onsite. QR code will be provided at jobsite orientation for completion.
2. All deliveries must only be coordinated between 9am – 2pm daily. NO deliveries are to be set-up outside of this window.
3. All construction activities and laydown areas must be kept inside of the construction fence. No disruption to the school's normal operations will be permitted.
4. Provide continuous coordination with trade contract work of other contract categories as required to accomplish work of this category.
5. All layout required for work of this category.
6. Include labor, materials, equipment, incidental hardware, tools and materials required to receive, unload, store, protect, and install work of this category.
7. Onsite foreman to participate in daily huddles (15 minutes) with the CM Superintendent and other trade foreman at a designated time as well as weekly scheduling meetings in the Granger Trailer/Field Office.
8. Onsite foreman/superintendent/competent person to have tablet with Procore and appropriate internet plan for use at all times.
9. Provide continuous trash removal and cleanup required for this bid category.
10. 1-hour of unidentifiable clean up take place and be used at the project teams direction.
11. Notify CM of any discrepancies between the drawings before removal/re-work of the work in question.
12. Immediately submit submittal information as defined by Section 013300; meeting schedule requirements of section 013216. Contractor is responsible for advising Granger Construction in writing of submittal deadlines in order to meet project schedule. Costs associated with delays due to lack of submittal approval as a result of not submitting in an appropriate manner of inappropriate submittals that affect delivery will be the responsibility of this contractor.
13. Provide a 2-year labor warranty for all work performed under this bid category. To be effective start of Substantial Completion.
14. Include and define in your proposal expediting costs for long lead time of greater than 4-6 weeks as separate line item.
15. Perform, furnish and installation of all specification sections above unless noted differently below

16. All tracks to be clean and vacuumed prior to drywall installation.
17. Provide all new gypsum and acoustic ceiling systems complete as indicated in drawings and specs. Include all gyp board soffits and bulkheads as identified in drawings and specs
18. Provide all new metal stud and gyp. Board walls as indicated in drawings and specs. Coordinate location of wall section in classrooms with Tote storage vs. America space station.
19. Installation, sanding, cutting and cleanup to be complete as per MIOSHA Silica Requirements.
20. Firestopping as required for work of this bid category with proper UL assembly and identification.
21. All firestopping Joint Sealants to be HILTI, No exceptions.
22. Furnish and install all head-of-wall firestopping joint sealant identified in spec section 07 8446. Include all fire rated insulation as indicated in drawings and specs.
23. Fill all fire-rated deck flutes and voids with fire safe insulation at fire rated walls including masonry walls per detail 6/A8.2.
24. Fill all non-rated deck flutes and voids with acoustical insulation at non-rated walls including masonry walls per details on page A8.2.
25. Abuse resistant gyp board to be installed in all locations identified in drawing and specs at 4’ AFF.
26. Furnish and install 2-hour fire wall separating existing building from addition as identified in drawings and specs.
27. Furnish and install cement backer board in locations that hard tile is to be installed as indicated in drawings and specs.
28. Provide/turn-over ceiling tiles for MEP contractor cuts as indicated in drawings and specs.

C. EXCLUDED

1. N/A

D. ALLOWANCES

1. N/A

E. REQUESTED ALTERNATES

1. N/A

END OF SECTION

Bid Category 09-02 : Resilient Flooring

A. INCLUDES

Except for those items (if any) specifically noted to be excluded as defined below, the work of this bid category shall include all of the work and contract requirements according to Division 1 complete, including all bid requirements, Contract Documents; General and Supplemental Conditions, and General Requirements. Should any conflict exist between this written scope of work and the scope of work inferred by the Division 1 General Requirements or the technical specifications listed below, the work required by this bid category description shall govern. Work of this bid category specifically includes the work of the technical specification sections listed below, in their entirety, unless otherwise noted within this work category description:

Specification Sections

07 8400	Firestopping *(As pertains to this bid category)*
07 9100	Preformed Joint Seals *(As pertains to this bid category)*
07 9200	Joint Sealant *(As pertains to this bid category)*
09 0561	Common Work Results for Flooring Preparation
09 6500	Resilient Flooring
09 6513	Resilient Base & Accessories
09 6813	Tile Carpet

B. CLARIFICATIONS

1. All Contractors are required to submit to a background check before starting onsite. QR code will be provided at jobsite orientation for completion.
2. All deliveries must only be coordinated between 9am – 2pm daily. NO deliveries are to be set-up outside of this window.
3. All construction activities and laydown areas must be kept inside of the construction fence. No disruption to the school's normal operations will be permitted.
4. Provide continuous coordination with trade contract work of other contract categories as required to accomplish work of this category.
5. All layout required for work of this category.
6. Include labor, materials, equipment, incidental hardware, tools and materials required to receive, unload, store, protect, and install work of this category.
7. Onsite foreman to participate in daily huddles (15 minutes) with the CM Superintendent and other trade foreman at a designated time as well as weekly scheduling meetings in the Granger Trailer/Field Office.
8. Onsite foreman/superintendent/competent person to have tablet with Procore and appropriate internet plan for use at all times.
9. Provide continuous trash removal and cleanup required for this bid category.
10. 1-hour of unidentifiable clean up take place and be used at the project teams direction.
11. Notify CM of any discrepancies between the drawings before removal/re-work of the work in question.
12. Immediately submit submittal information as defined by Section 013300; meeting schedule requirements of section 013216. Contractor is responsible for advising Granger Construction in writing of submittal deadlines in order to meet project schedule. Costs associated with delays due to lack of submittal approval as a result of not submitting in an appropriate manner of inappropriate submittals that affect delivery will be the responsibility of this contractor.
13. Provide a 2-year labor warranty for all work performed under this bid category. To be effective start of Substantial Completion.
14. Include and define in your proposal expediting costs for long lead time of greater than 4-6 weeks as separate line item.
15. Perform, furnish and installation of all specification sections above unless noted differently below

16. Installation and cleanup to be complete as per MIOSHA Silica Requirements.
17. Furnish and install all resilient flooring as indicated in the drawings and specs. Following drawings for floor patterns and product direction.
18. Furnish and install all cove base as indicated in the drawings and specs.
19. Contractor of this category is responsible for preparing all substrates prior to installation per specifications and manufacturers requirements for products installed as part of this work category including but not limited to grinding, scraping, build-up for positive drainage and leveling per specifications.
20. The contractor of this category shall remove adhesive following removal of existing flooring.
21. Submittals to include seam layouts and grain direction.
22. Protect all floors (entire finish floor) immediately after installation with RAM board. Seal all edges and joints of each piece of floor protection with a material that will not cause floor damage (manufacturer recommended) to ensure debris does not get below cardboard.
23. Perform a construction clean after installation of flooring as required by the manufacturer. Perform the final cleaning of flooring per manufacturer standards at the end of the project when directed by the Construction Manager.
24. Provide transitions between dissimilar materials provided as part of this work category and between materials of this work category and Tile Flooring, this includes build-up of floor surface to ADA acceptable slopes at transitions of various heights / thickness of floors. This also includes any and all flooring transition materials specified.
25. Floor prep required up to 1/8” in base bid in all locations.
26. Note all floor patterns and transition line cuts as indicated in drawings and specs.

C. EXCLUDED

1. N/A

D. ALLOWANCES

1. N/A

E. REQUESTED ALTERNATES

1. N/A

END OF SECTION

Bid Category 09-03 : Tile Flooring

A. INCLUDES

Except for those items (if any) specifically noted to be excluded as defined below, the work of this bid category shall include all of the work and contract requirements according to Division 1 complete, including all bid requirements, Contract Documents; General and Supplemental Conditions, and General Requirements. Should any conflict exist between this written scope of work and the scope of work inferred by the Division 1 General Requirements or the technical specifications listed below, the work required by this bid category description shall govern. Work of this bid category specifically includes the work of the technical specification sections listed below, in their entirety, unless otherwise noted within this work category description:

Specification Sections

07 8400	Firestopping *(As pertains to this bid category)*
07 9100	Preformed Joint Seals *(As pertains to this bid category)*
07 9200	Joint Sealant *(As pertains to this bid category)*
09 3000	Hard Tile

B. CLARIFICATIONS

1. All Contractors are required to submit to a background check before starting onsite. QR code will be provided at jobsite orientation for completion.
2. All deliveries must only be coordinated between 9am – 2pm daily. NO deliveries are to be set-up outside of this window.
3. All construction activities and laydown areas must be kept inside of the construction fence. No disruption to the school's normal operations will be permitted.
4. Provide continuous coordination with trade contract work of other contract categories as required to accomplish work of this category.
5. All layout required for work of this category.
6. Include labor, materials, equipment, incidental hardware, tools and materials required to receive, unload, store, protect, and install work of this category.
7. Onsite foreman to participate in daily huddles (15 minutes) with the CM Superintendent and other trade foreman at a designated time as well as weekly scheduling meetings in the Granger Trailer/Field Office.
8. Onsite foreman/superintendent/competent person to have tablet with Procore and appropriate internet plan for use at all times.
9. Provide continuous trash removal and cleanup required for this bid category.
10. 1-hour of unidentifiable clean up take place and be used at the project teams direction.
11. Notify CM of any discrepancies between the drawings before removal/re-work of the work in question.
12. Immediately submit submittal information as defined by Section 013300; meeting schedule requirements of section 013216. Contractor is responsible for advising Granger Construction in writing of submittal deadlines in order to meet project schedule. Costs associated with delays due to lack of submittal approval as a result of not submitting in an appropriate manner of inappropriate submittals that affect delivery will be the responsibility of this contractor.
13. Provide a 2-year labor warranty for all work performed under this bid category. To be effective start of Substantial Completion.
14. Include and define in your proposal expediting costs for long lead time of greater than 4-6 weeks as separate line item.
15. Perform, furnish and installation of all specification sections above unless noted differently below
16. Provide all hard tile and tile base as indicated in drawings and specs. Hard tile colors and patterns are indicated in drawings and specs.
17. Contractor of this category is responsible for preparing all substrates prior to installation per

specifications and manufacturers requirements for products installed as part of this work category including but not limited to grinding, scraping, build-up for positive drainage and leveling per specifications.

18. All joint sealants required as part of this work for a finished product of dissimilar materials to be included in base bid.
19. Installation and cleanup to be complete as per MIOSHA Silica Requirements.
20. Protect all tile floors (entire finish floor) immediately after installation with ram board or cardboard alternate approved by manufacturer to not damage the tile surface. Seal all edges and joints of each piece of floor protection with a material that will not cause floor damage (manufacturer recommended) to ensure debris does not get below cardboard.
21. Perform a construction clean after installation of flooring as required by the manufacturer. Perform the final cleaning of flooring per manufacturer at the end of the project when directed by the Construction Manager.
22. Include any required mud beds per the plans and specifications.
23. Furnish and install Schluter strips at tile edge to dissimilar materials provided as part of this work category and between materials of this work category and Resilient Flooring, this includes build-up of floor surface to ADA acceptable slopes at transitions of various heights / thickness of floors. This also includes any and all flooring transition materials specified.
24. Provide any additional lighting as needed for any installation of wall/base tile as needed and indicated in drawings and specs.

C. EXCLUDED

1. N/A

D. ALLOWANCES

1. N/A

E. REQUESTED ALTERNATES

1. N/A

END OF SECTION

Bid Category 09-04 : Painting & Wall Covering

A. INCLUDES

Except for those items (if any) specifically noted to be excluded as defined below, the work of this bid category shall include all of the work and contract requirements according to Division 1 complete, including all bid requirements, Contract Documents; General and Supplemental Conditions, and General Requirements. Should any conflict exist between this written scope of work and the scope of work inferred by the Division 1 General Requirements or the technical specifications listed below, the work required by this bid category description shall govern. Work of this bid category specifically includes the work of the technical specification sections listed below, in their entirety, unless otherwise noted within this work category description:

Specification Sections

07 9200	Joint Sealant *(As pertains to this bid category)*
09 7200	Wall Covering
09 9123	Interior Painting

B. CLARIFICATIONS

1. All Contractors are required to submit to a background check before starting onsite. QR code will be provided at jobsite orientation for completion.
2. All deliveries must only be coordinated between 9am – 2pm daily. NO deliveries are to be set-up outside of this window.
3. All construction activities and laydown areas must be kept inside of the construction fence. No disruption to the school's normal operations will be permitted.
4. Provide continuous coordination with trade contract work of other contract categories as required to accomplish work of this category.
5. All layout required for work of this category.
6. Include labor, materials, equipment, incidental hardware, tools and materials required to receive, unload, store, protect, and install work of this category.
7. Onsite foreman to participate in daily huddles (15 minutes) with the CM Superintendent and other trade foreman at a designated time as well as weekly scheduling meetings in the Granger Trailer/Field Office.
8. Onsite foreman/superintendent/competent person to have tablet with Procore and appropriate internet plan for use at all times.
9. Provide continuous trash removal and cleanup required for this bid category.
10. 1-hour of unidentifiable clean up take place and be used at the project teams direction.
11. Notify CM of any discrepancies between the drawings before removal/re-work of the work in question.
12. Immediately submit submittal information as defined by Section 013300; meeting schedule requirements of section 013216. Contractor is responsible for advising Granger Construction in writing of submittal deadlines in order to meet project schedule. Costs associated with delays due to lack of submittal approval as a result of not submitting in an appropriate manner of inappropriate submittals that affect delivery will be the responsibility of this contractor.
13. Provide a 2-year labor warranty for all work performed under this bid category. To be effective start of Substantial Completion.
14. Include and define in your proposal expediting costs for long lead time of greater than 4-6 weeks as separate line item.
15. Perform, furnish and installation of all specification sections above unless noted differently below
16. Provide all interior priming and painting as indicated in drawings and specs.
17. Contractor shall apply prime coat and required finish coat(s) consecutively, prior to installation of finishing work. The contractor of this category will be responsible for all required touch-up work following installation of finishing work.

18. Prime paint all walls completely, including those receiving wall protection, casework and other equipment.
19. Furnish and install Acoustic Wall Covering identified in each classroom as identified in drawings and specs.
20. Provide painting of all exposed piping and ductwork per specified requirements. This includes painting of any exposed spaces behind ceilings, inside diffusers, etc. In exposed ceiling areas, paint entire ceiling before MEP trades do their work, then repaint after all MEP work is complete, protecting and taping those MEP elements scheduled to remain with factory finish or another color.

C. EXCLUDED

1. N/A

D. ALLOWANCES

1. N/A

E. REQUESTED ALTERNATES

1. N/A

END OF SECTION

Bid Category 22-01 : Plumbing & Piping

A. INCLUDES

Except for those items (if any) specifically noted to be excluded as defined below, the work of this bid category shall include all of the work and contract requirements according to Division 1 complete, including all bid requirements, Contract Documents; General and Supplemental Conditions, and General Requirements. Should any conflict exist between this written scope of work and the scope of work inferred by the Division 1 General Requirements or the technical specifications listed below, the work required by this bid category description shall govern. Work of this bid category specifically includes the work of the technical specification sections listed below, in their entirety, unless otherwise noted within this work category description:

Specification Sections

07 8400	Firestopping *(As pertains to this bid category)*
07 9100	Preformed Joint Seals *(As pertains to this bid category)*
07 9200	Joint Sealant *(As pertains to this bid category)*
Division 20	Common Mechanical Requirements *(As pertains to this bid category)*
Division 22	Plumbing
23 0500	Common Work Results for HVAC
23 0523	General Duty Valves for HVAC
23 0593	Testing, Adjusting & Balancing
23 2113	Hydronic Piping
23 8240	Centrifugal Fan Cabinet Unit Heater (Hot Water)
23 8241	Propeller Fan Unit Heaters Steam, Hot Water, Electric

B. CLARIFICATIONS

1. All Contractors are required to submit to a background check before starting onsite. QR code will be provided at jobsite orientation for completion.
2. All deliveries must only be coordinated between 9am – 2pm daily. NO deliveries are to be set-up outside of this window.
3. All construction activities and laydown areas must be kept inside of the construction fence. No disruption to the school's normal operations will be permitted.
4. Provide continuous coordination with trade contract work of other contract categories as required to accomplish work of this category.
5. All layout required for work of this category.
6. Include labor, materials, equipment, incidental hardware, tools and materials required to receive, unload, store, protect, and install work of this category.
7. Onsite foreman to participate in daily huddles (15 minutes) with the CM Superintendent and other trade foreman at a designated time as well as weekly scheduling meetings in the Granger Trailer/Field Office.
8. Onsite foreman/superintendent/competent person to have tablet with Procore and appropriate internet plan for use at all times.
9. Provide continuous trash removal and cleanup required for this bid category.
10. 1-hour of unidentifiable clean up take place and be used at the project teams direction.
11. Notify CM of any discrepancies between the drawings before removal/re-work of the work in question.
12. Immediately submit submittal information as defined by Section 013300; meeting schedule requirements of section 013216. Contractor is responsible for advising Granger Construction in writing of submittal deadlines in order to meet project schedule. Costs associated with delays due to lack of submittal approval as a result of not submitting in an appropriate manner of inappropriate submittals that affect delivery will be the responsibility of this contractor.
13. Provide a 2-year labor warranty for all work performed under this bid category. To be effective start of Substantial Completion.

14. Include and define in your proposal expediting costs for long lead time of greater than 4-6 weeks as separate line item.
15. Perform, furnish and installation of all specification sections above unless noted differently below
16. Include all plumbing equipment as scheduled and required for a complete system as part of this bid category.
17. All plumbing insulation of installed work as part of this bid category.
18. Contractor is responsible for all new core openings for penetration through walls or slabs to facilitate installation associated with this scope of work. All openings shall be cut to proper size to ensure penetration can be properly fire stopped. Any opening not cut to appropriate size shall be redone at the cost of this bid category subcontractor.
19. Include all firestopping as required for all penetrations associated with this bid category with proper UL assembly and identification.
20. Include test and balance of systems installed as part of this bid category.
21. Connect new 4" bathroom sanitary runs into existing campus main sanitary lines in area 'E' to serve addition as indicated in drawings and specs.
22. Connect new 6" storm lead into existing campus main storm lines to serve addition.
23. Connect CW 2-1/2" plumbing line from Area "E" addition into new addition for plumbing fixtures.
24. Furnish and install new wall mounted electric water heater with expansion tank and recirculation pump. HW & HWR piping to serve fixtures in addition.
25. Coordinate with Millwork contractor on sink sizes and location for proper coordination of sink cuts for drop in sinks.
26. Connect to existing HWHS/HWHR piping in the existing boiler room. Piping to feed new units located in 'area f' construction.
27. Furnish and install all Centrifugal & Propeller Fan (Steam, Hot Water & Electric) CUH's and piping per mechanical drawings and specs. Coordinate with Electrical contractor for power.
28. Provide saw-cutting and removal of Asphalt paving as indicated on C103.01.
29. Provide complete removal and backfill of trenched area soils for work associated with underground piping tie-in as called out on M2.0E, M3.1E & C106.01.

C. EXCLUDED

1. N/A

D. ALLOWANCES

1. N/A

E. REQUESTED ALTERNATES

1. N/A

END OF SECTION

Bid Category 23-01 : Mechanical and Controls

A. INCLUDES

Except for those items (if any) specifically noted to be excluded as defined below, the work of this bid category shall include all of the work and contract requirements according to Division 1 complete, including all bid requirements, Contract Documents; General and Supplemental Conditions, and General Requirements. Should any conflict exist between this written scope of work and the scope of work inferred by the Division 1 General Requirements or the technical specifications listed below, the work required by this bid category description shall govern. Work of this bid category specifically includes the work of the technical specification sections listed below, in their entirety, unless otherwise noted within this work category description:

Specification Sections

07 8400	Firestopping *(As pertains to this bid category)*
07 9100	Preformed Joint Seals *(As pertains to this bid category)*
07 9200	Joint Sealant *(As pertains to this bid category)*
08 9100	Louvers
Division 20	Common Mechanical Requirements *(As pertains to this bid category)*
Division 23	Heating, Ventilating and Air-Conditioning (HVAC) *(As pertains to this bid category)*

B. CLARIFICATIONS

1. All Contractors are required to submit to a background check before starting onsite. QR code will be provided at jobsite orientation for completion.
2. All deliveries must only be coordinated between 9am – 2pm daily. NO deliveries are to be set-up outside of this window.
3. All construction activities and laydown areas must be kept inside of the construction fence. No disruption to the school's normal operations will be permitted.
4. Provide continuous coordination with trade contract work of other contract categories as required to accomplish work of this category.
5. All layout required for work of this category.
6. Include labor, materials, equipment, incidental hardware, tools and materials required to receive, unload, store, protect, and install work of this category.
7. Onsite foreman to participate in daily huddles (15 minutes) with the CM Superintendent and other trade foreman at a designated time as well as weekly scheduling meetings in the Granger Trailer/Field Office.
8. Onsite foreman/superintendent/competent person to have tablet with Procore and appropriate internet plan for use at all times.
9. Provide continuous trash removal and cleanup required for this bid category.
10. 1-hour of unidentifiable clean up take place and be used at the project teams direction.
11. Notify CM of any discrepancies between the drawings before removal/re-work of the work in question.
12. Immediately submit submittal information as defined by Section 013300; meeting schedule requirements of section 013216. Contractor is responsible for advising Granger Construction in writing of submittal deadlines in order to meet project schedule. Costs associated with delays due to lack of submittal approval as a result of not submitting in an appropriate manner of inappropriate submittals that affect delivery will be the responsibility of this contractor.
13. Provide a 2-year labor warranty for all work performed under this bid category. To be effective start of Substantial Completion.
14. Include and define in your proposal expediting costs for long lead time of greater than 4-6 weeks as separate line item.
15. Perform, furnish and installation of all specification sections above unless noted differently below
16. Provide protection of all open-air outlets/inlets left open during the construction period. No open ducts during construction will be allowed.

17. Contractor is responsible for all new core openings for penetration through walls or slabs to facilitate installation associated with this scope of work. All openings shall be cut to proper size to ensure penetration can be properly fire stopped. Any opening not cut to appropriate size shall be redone at the cost of this bid category subcontractor.
18. Complete Testing and Balancing of systems related to this work scope per specifications.
19. All mechanical insulation of installed work as part of this bid category.
20. Firestopping as required for work of this bid category with proper UL assembly and identification.
21. Include coordination with roofing contractor prior to any penetrations in roof. Roof curbs and any other penetrations require a pre-installation meeting.
22. Protection of the roof required when installing pipe and stands. All roof piping supports to be provided by this bid category. Coordinate with roofing contractor for any required roof pads or flashings needed for this support system.
23. Furnish and install roof top curbs with rooftop mounted equipment as described in drawings and specs. Coordinate with roofing contractor on installation of curb in to roofing system. Coordinate with Electrician on power requirements and routing for roof top equipment.
24. Furnish and install complete control systems as indicated in drawings and specs. Include integration into existing system and graphics as necessary.
25. Furnish and install exterior louvers as identified on drawing A3.1. Louver size and finish identified in drawings and specs. Coordinate with Mason for opening size.

C. EXCLUDED

1. N/A

D. ALLOWANCES

1. N/A

E. REQUESTED ALTERNATES

1. N/A

END OF SECTION

Bid Category 26-01 : Electrical

A. INCLUDES

Except for those items (if any) specifically noted to be excluded as defined below, the work of this bid category shall include all of the work and contract requirements according to Division 1 complete, including all bid requirements, Contract Documents; General and Supplemental Conditions, and General Requirements. Should any conflict exist between this written scope of work and the scope of work inferred by the Division 1 General Requirements or the technical specifications listed below, the work required by this bid category description shall govern. Work of this bid category specifically includes the work of the technical specification sections listed below, in their entirety, unless otherwise noted within this work category description:

Specification Sections

07 8400	Firestopping *(As pertains to this bid category)*
07 9100	Preformed Joint Seals *(As pertains to this bid category)*
07 9200	Joint Sealant *(As pertains to this bid category)*
Division 20	Common Mechanical Requirements *(As pertains to this bid category)*
Division 26	Electrical
28 3100	Fire Alarm

B. CLARIFICATIONS

1. All Contractors are required to submit to a background check before starting onsite. QR code will be provided at jobsite orientation for completion.
2. All deliveries must only be coordinated between 9am – 2pm daily. NO deliveries are to be set-up outside of this window.
3. All construction activities and laydown areas must be kept inside of the construction fence. No disruption to the school's normal operations will be permitted.
4. Provide continuous coordination with trade contract work of other contract categories as required to accomplish work of this category.
5. All layout required for work of this category.
6. Include labor, materials, equipment, incidental hardware, tools and materials required to receive, unload, store, protect, and install work of this category.
7. Onsite foreman to participate in daily huddles (15 minutes) with the CM Superintendent and other trade foreman at a designated time as well as weekly scheduling meetings in the Granger Trailer/Field Office.
8. Onsite foreman/superintendent/competent person to have tablet with Procore and appropriate internet plan for use at all times.
9. Provide continuous trash removal and cleanup required for this bid category.
10. 1-hour of unidentifiable clean up take place and be used at the project teams direction.
11. Notify CM of any discrepancies between the drawings before removal/re-work of the work in question.
12. Immediately submit submittal information as defined by Section 013300; meeting schedule requirements of section 013216. Contractor is responsible for advising Granger Construction in writing of submittal deadlines in order to meet project schedule. Costs associated with delays due to lack of submittal approval as a result of not submitting in an appropriate manner of inappropriate submittals that affect delivery will be the responsibility of this contractor.
13. Provide a 2-year labor warranty for all work performed under this bid category. To be effective start of Substantial Completion.
14. Include and define in your proposal expediting costs for long lead time of greater than 4-6 weeks as separate line item.
15. Perform, furnish and installation of all specification sections above unless noted differently below

16. Installation and removal of all temporary power and lighting is the responsibility of this bid category. Include Maintenance during construction to meet MIOSHA standards and removal at completion of the project at a time directed by the CM.
17. Perform a shutdown of the Fire alarm system as required for system additions and reworking.
18. Provide and/or identify temporary power outlets to be used during construction.
19. Provide power to smoke/fire dampers provided by others, along with tie-in of fire alarm system to all dampers.
20. Contractor is responsible for all new core openings for penetrations through walls or slabs to facilitate installation associated with this scope of work. All openings shall be cut to proper size to ensure penetration can be properly fire stopped with proper UL assembly. Any opening not cut to appropriate size shall be redone at the cost of this bid category subcontractor.
21. All roof penetrations to utilize existing or new roof curbs/penetration locations. Coordination with roofing contractor and work category power is being supplied for required.
22. Furnish and install a complete lighting package with controls as described in plans and specs.
23. Complete demolition and disposal of power, lighting, cameras and systems as indicated in the drawings and as required to complete the installation of this scope of work.
24. Firestopping as required for work of this bid category with proper UL assembly and identification.
25. Include installation of a new Fire Alarm system; cross-tied onto the existing Fire Alarm system.

C. EXCLUDED

1. N/A

D. ALLOWANCES

1. N/A

E. REQUESTED ALTERNATES

1. N/A

END OF SECTION

Bid Category 31-01 : Earthwork

A. INCLUDES

Except for those items (if any) specifically noted to be excluded as defined below, the work of this bid category shall include all of the work and contract requirements according to Division 1 complete, including all bid requirements, Contract Documents; General and Supplemental Conditions, and General Requirements. Should any conflict exist between this written scope of work and the scope of work inferred by the Division 1 General Requirements or the technical specifications listed below, the work required by this bid category description shall govern. Work of this bid category specifically includes the work of the technical specification sections listed below, in their entirety, unless otherwise noted within this work category description:

Specification Sections

31 1000	Site Clearing
31 2000	Earth Moving
33 1100	Facility Water Distribution Piping
33 3100	Facility Sanitary Sewers
33 4200	Stormwater Conveyance
32 3300	Site Furnishing
32 9200	Turf and Grasses

B. CLARIFICATIONS

1. All Contractors are required to submit to a background check before starting onsite. QR code will be provided at jobsite orientation for completion.
2. All deliveries must only be coordinated between 9am – 2pm daily. NO deliveries are to be set-up outside of this window.
3. All construction activities and laydown areas must be kept inside of the construction fence. No disruption to the school's normal operations will be permitted.
4. Provide continuous coordination with trade contract work of other contract categories as required to accomplish work of this category.
5. All layout required for work of this category.
6. Include labor, materials, equipment, incidental hardware, tools and materials required to receive, unload, store, protect, and install work of this category.
7. Onsite foreman to participate in daily huddles (15 minutes) with the CM Superintendent and other trade foreman at a designated time as well as weekly scheduling meetings in the Granger Trailer/Field Office.
8. Onsite foreman/superintendent/competent person to have tablet with Procore and appropriate internet plan for use at all times.
9. Provide continuous trash removal and cleanup required for this bid category.
10. 1-hour of unidentifiable clean up take place and be used at the project teams direction.
11. Notify CM of any discrepancies between the drawings before removal/re-work of the work in question.
12. Immediately submit submittal information as defined by Section 013300; meeting schedule requirements of section 013216. Contractor is responsible for advising Granger Construction in writing of submittal deadlines in order to meet project schedule. Costs associated with delays due to lack of submittal approval as a result of not submitting in an appropriate manner of inappropriate submittals that affect delivery will be the responsibility of this contractor.
13. Provide a 2-year labor warranty for all work performed under this bid category. To be effective start of Substantial Completion.
14. Include and define in your proposal expediting costs for long lead time of greater than 4-6 weeks as separate line item.
15. Perform, furnish and installation of all specification sections above unless noted differently below

16. Provide all site clearing and leveling and indicated in drawings and specs.
17. Provided demo and re-route of identified underground utilities as indicated in drawings and specs.
18. Furnish, install and maintain silt fencing around perimeter of construction area.
19. Furnish, install and maintain catch-basin filter socks for all catch-basins that can be affected by construction area.
20. Demo rubberized baseball surface and asphalt base as indicated in drawings and specs. Edge of baseball field radius to be cut as 'finished edge' and will remain as finished product.
21. Layout building perimeter and control points as identified in drawings and specs.
22. Provided demo of all concrete surfaces, stairs and ramps as indicated in drawings and specs.
23. Demo existing baseball fence as indicated in drawings and specs. Coordinate demo of fencing with CM team; fencing being used as temp construction fencing.
24. Provide all topsoil as indicated in drawings and specs.
25. Furnish and install Hydro-seed as indicated in drawings and specs.
26. Provide trenching on exterior paving as needed for underground piping as indicated in drawings and specs.

C. EXCLUDED

1. N/A

D. ALLOWANCES

1. Include in base bid an allowance of $25,000 for any un-foreseen site condition that needs rework as directed by the Construction Manager. Allowance to be used on time-and-material basis.

E. REQUESTED ALTERNATES

1. N/A

END OF SECTION

Bid Category 32-01 : Site Concrete

A. INCLUDES

Except for those items (if any) specifically noted to be excluded as defined below, the work of this bid category shall include all of the work and contract requirements according to Division 1 complete, including all bid requirements, Contract Documents; General and Supplemental Conditions, and General Requirements. Should any conflict exist between this written scope of work and the scope of work inferred by the Division 1 General Requirements or the technical specifications listed below, the work required by this bid category description shall govern. Work of this bid category specifically includes the work of the technical specification sections listed below, in their entirety, unless otherwise noted within this work category description:

Specification Sections

32 1313	Concrete Paving
32 1373	Concrete Paving Joint Sealants

B. CLARIFICATIONS

1. All Contractors are required to submit to a background check before starting onsite. QR code will be provided at jobsite orientation for completion.
2. All deliveries must only be coordinated between 9am – 2pm daily. NO deliveries are to be set-up outside of this window.
3. All construction activities and laydown areas must be kept inside of the construction fence. No disruption to the school's normal operations will be permitted.
4. Provide continuous coordination with trade contract work of other contract categories as required to accomplish work of this category.
5. All layout required for work of this category.
6. Include labor, materials, equipment, incidental hardware, tools and materials required to receive, unload, store, protect, and install work of this category.
7. Onsite foreman to participate in daily huddles (15 minutes) with the CM Superintendent and other trade foreman at a designated time as well as weekly scheduling meetings in the Granger Trailer/Field Office.
8. Onsite foreman/superintendent/competent person to have tablet with Procore and appropriate internet plan for use at all times.
9. Provide continuous trash removal and cleanup required for this bid category.
10. 1-hour of unidentifiable clean up take place and be used at the project teams direction.
11. Notify CM of any discrepancies between the drawings before removal/re-work of the work in question.
12. Immediately submit submittal information as defined by Section 013300; meeting schedule requirements of section 013216. Contractor is responsible for advising Granger Construction in writing of submittal deadlines in order to meet project schedule. Costs associated with delays due to lack of submittal approval as a result of not submitting in an appropriate manner of inappropriate submittals that affect delivery will be the responsibility of this contractor.
13. Provide a 2-year labor warranty for all work performed under this bid category. To be effective start of Substantial Completion.
14. Include and define in your proposal expediting costs for long lead time of greater than 4-6 weeks as separate line item.
15. Perform, furnish and installation of all specification sections above unless noted differently below
16. Furnish and install new concrete surfaces, stairs and ramps with reinforcements as indicated in drawings and specs.

C. EXCLUDED

1. Exterior concrete foundations, stoops, stairs and ramps.

D. ALLOWANCES

1. N/A

E. REQUESTED ALTERNATES

1. N/A

END OF SECTION