

SECTION 01120 - MULTIPLE CONTRACT SUMMARY HIGH SCHOOL, MIDDLE SCHOOL & TODD ES

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

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

1.2 WORK COVERED BY CONTRACT DOCUMENTS

- A. Project Identification: Project consists of the construction of Additions and Renovations,
 - 1. Project Location:
 - i. Briarcliff Manor Middle / High School
444 Pleasantville Rd.
Briarcliff manor, NY 10510
 - ii Todd Elementary School
45 Ingham Rd.
Briarcliff Manor, NY 10510
 - 2. Owner: Briarcliff Manor Union Free School District
45 Ingham Rd.
Briarcliff Manor, NY 10510
- B. Architect Identification: The Construction Documents, Dated January 28, 2022- Issued for Bid, that were prepared for the Project by BBS Architects, Landscape Architects & Engineers.
- C. Construction Manager: Savin Engineers, P.C., 3 Campus Drive, Pleasantville, New York, 10570, has been engaged as Construction Manager for this Project to serve as an advisor to Owner and to provide assistance in administering the Contract for Construction between Owner and each Contractor, according to a separate contract between Owner and Construction Manager.
- D. The Work consists of the construction of interior renovations and exterior improvements for Briarcliff Manor High School/Middle School in the Briarcliff Manor Central School District.
 - 1. The Work includes interior renovations and exterior improvements.
 - 2. All materials, assemblies, forms and methods of construction and service equipment shall comply with the requirements of the latest edition of the New York State Building Code.

1.3 DRAWINGS INCLUDED IN CONTRACT DOCUMENTS

- A. Refer to List of Drawings located on Title Sheet of the Drawings.

1.4 CONTRACT

- A. The owner will award the following Construction Contracts for the Project in order to complete all work as indicated and specified:

Phase 1 Bond Improvements at Briarcliff manor MS/HS and Todd Elementary School:

- **Base Bid GC-1 General Construction Contract-MS/HS**
 - **Base Bid GC-2 General Construction Contract, (Single Prime Contract)-HS/MS & ToddES**
 - **Base Bid MC-1 Mechanical Construction Contract-MS/MS & ToddES**
 - **Base Bid EC-1 Electrical Construction Contract-MS/HS & ToddES**
 - **Base Bid RC-1 Roofing Construction Contract-ToddES**
 - **Base Bid RC-2a Roofing Construction Contract-High School**
 - **Base Bid RC-2b Roofing Construction Contract-Middle School**
 - **Base Bid RC-3 Roofing Construction Contract-MS/HS**
- B. In each case, the Contractor agrees to accept the site, as it exists and to remove any encumbrances, which interfere with proper fulfillment of the Work, without change in the Contract Sum.
- C. Accommodate the Owner's intention to continue occupy in the existing building, including site and to conduct normal school operations during the time of construction of the work.
1. Cooperate with the Owner's personnel in maintaining and facilitating access to the school building and its facilities by school personnel, school staff, and the public, while construction is still in progress.
 2. Emergency access at driveways and building entrances: Keep driveways and entrances serving the occupied school building clear and available to the Owner, the Owner's employees and the public, and to emergency vehicles at all times. Do not obstruct access to these areas or use such areas for parking, construction equipment or storage of materials.
 3. Schedule construction operations so as to minimize conflicts with and interruptions to daily school function. Coordinate necessary interruptions with Owner's personnel.
 4. The existing building must remain operational at all times, therefore the Contractors are responsible to maintain all systems such as but not limited to fire alarm, clocks, public address system, electric, gas services, heat, etc.
- D. The Contractor shall cooperate with separate Contractors for any separate Contracts that the Owner may award.

1.6 MULTIPLE PRIME CONTRACTS

- A. The Project will be constructed under a multiple prime-contracting agreement. Prime Contracts are separate contracts between the Owner and separate contractors, representing significant construction activities. Each prime contract is performed concurrently with and closely coordinated with construction activities performed on the Project under other prime contracts. The Prime Contractors are advised that under separate cover the Owner will award a Single Prime Contract for Public Address Systems in multiple buildings which will take place concurrently with the Contracts listed below, and with which the Prime Contractors will coordinate as required. Prime Contracts for this Project include:

Phase 1 Bond Improvements at Briarcliff manor MS/HS and Todd Elementary School:

- **Base Bid GC-1 General Construction Contract-MS/HS**
- **Base Bid GC-2 General Construction Contract, (Single Prime Contract)-HS/MS & ToddES**

- **Base Bid MC-1 Mechanical Construction Contract-MS/MS & ToddES**
- **Base Bid EC-1 Electrical Construction Contract-MS/HS & ToddES**
- **Base Bid RC-1 Roofing Construction Contract-ToddES**
- **Base Bid RC-2a Roofing Construction Contract-High School**
- **Base Bid RC-2b Roofing Construction Contract-Middle School**
- **Base Bid RC-3 Roofing Construction Contract-MS/HS**

B. Contract Documents indicate the work of each prime Contract and related requirements and conditions that have an impact on the project. Related requirements and conditions that are indicated on the Contract Documents include, but are not necessarily limited to the following:

1. Phasing
2. Existing site conditions
3. Alternates
4. Allowances
5. Delegated Design where specified
6. Cutting and Finish Patching
7. Miscellaneous Steel associated with each Contract Work.
8. Firestopping
9. Daily Cleaning (All Contracts are responsible for daily cleaning)
 - a. As per paragraph 1.6.E
10. Final Cleanup (All Contracts are responsible for their final cleanup.)

C. Prime Contract Work: Each Prime Contract can be summarized as follows:

1. The **BASE BID GC-1 GENERAL CONSTRUCTION CONTRACT** includes Abatement, demolition, General Construction related to the **High School and Middle School** Interior reconstruction as shown on the drawings and specified herein. It also includes administrative and coordination responsibilities. Work under this prime Contract includes, but is not limited to the following:

TABLE OF CONTENTS

ALL ITEMS A. thru Y.

DIVISION 1 GENERAL REQUIREMENTS

ALL OF DIVISION 1

DIVISION 3 – CONCRETE

SECTION 03651 – SELF LEVELING GYPSUM-PORTLAND CEMENT UNDERLAYMENT

DIVISION 4 – MASONRY

SECTION 04200 - UNIT MASONRY

DIVISION 05 – METALS

SECTION 054000 - COLD-FORMED METAL FRAMING

DIVISION 06 – WOOD - PLASTICS

06100 – ROUGH CARPENTRY

DIVISION 07 – THERMAL AND MOISTURE PROTECTION

SECTION 07900 – CAULKING

SECTION 07255 – CEMENTITIOUS FIREPROOFING

DIVISION 08 – OPENINGS

SECTION 08110 - STEEL DOORS AND FRAMES
SECTION 08211 - FLUSH WOOD DOORS
SECTION 08710 - DOOR HARDWARE

DIVISION 09 – FINISHES

SECTION 09250 – GYPSUM WALLBOARD
SECTION 09900 - PAINTING

2. The **BASE BID GC-2 GENERAL CONSTRUCTION CONTRACT WORK at the HS/MS and Todd ES, this is a SINGLE PRIME CONTRACT** This Contract includes all Abatement, demolition, general construction, mechanical construction, plumbing construction and electrical construction related to the **HS/MS & Todd ES** interior reconstruction, as shown on the drawings and specified herein. It also includes administrative and coordination responsibilities. Work under this prime Contract includes, but is not limited to the following:

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ALL ITEMS A. thru Y.

DIVISION 1 GENERAL REQUIREMENTS

ALL OF DIVISION 1

DIVISION 3 - CONCRETE

Section 03651 – Self Leveling Gypsum-Portland Cement Underlayment

DIVISION 4 - MASONRY

Section 04200 – Unit Masonry

DIVISION 5 – METAL

Section 05400 – Cold Formed Metal Framing

DIVISION 6 - WOOD AND PLASTICS

Section 06100 – Rough Carpentry

DIVISION 07 – THERMAL AND MOISTURE PROTECTION

SECTION 07900 – CAULKING

SECTION 07255 – CEMENTITIOUS FIREPROOFING

DIVISION 8 - DOORS AND WINDOWS

Section 08110 – Steel Doors and Frames

Section 08211 – Flush Wood Doors

Section 08710 – Door Hardware

DIVISION 9 - FINISHES

Section 09250 – Gypsum Wallboard

Section 09900 – Painting

DIVISION 15 - MECHANICAL

Section 15010 – General Mechanical Requirements

Section 15014 – Codes, Standards, and Permits

Section 15018 – Motors and Electrical Work

Section 15050 – Basic Mechanical Materials and Methods

Section 15100 – Valves

Section 15135 – Thermometers & Gauges
Section 15215 – Vibration Isolation
Section 15250 – Mechanical Insulation
Section 15290 – Duct Insulation
Section 15511 – Fire Stopping
Section 15515 – Hydronic Specialties
Section 15650 – Heating, Ventilation, and Air Conditioning
Section 15657 – Electrical Work
Section 15755 – Exhaust Fans
Section 15800 – Air Distribution
Section 15802 – Inspection, Testing & Balancing
Section 15806 – Fire Dampers
Section 15891 – Ductwork
Section 15893 – Duct Accessories
Section 15895 – Diffusers, Registers, & Grilles
Section 15990 – HVAC Testing Adjusting Balancing
Section 15995 – Mechanical Systems Commissioning
Section 15997 – Mechanical Testing Requirements

DIVISION 15A - PLUMBING

Section 15011A – Plumbing General Provisions
Section 15013A – Codes, Standards, and Permits
Section 15014A – Schedule of Equivalency
Section 15015A – Maintenance Instructions
Section 15050A – Plumbing Basic Materials and Methods
Section 15052A – Access to Plumbing Work
Section 15057A – Plumbing Identification Systems
Section 15060A – Cutting and Patching
Section 15180A – Plumbing Insulation
Section 15411A – Plumbing Domestic Water Piping Systems
Section 15412A – Plumbing Sanitary Piping System
Section 15440A – Plumbing Fixtures & Trim
Section 15511A – Fire Stopping
Section 15985A – Plumbing, Testing, Adjusting and Balancing

DIVISION 16 - ELECTRICAL

Section 16010 – General Provisions
Section 16060 – Grounding and Bonding
Section 16100 – Basic Materials and Methods
Section 16470 – Panelboards
Section 16475 – Circuit Breakers
Section 16511 – Firestopping

3. The **BASE BID MC-1 MECHANICAL CONSTRUCTION CONTRACT** This Contract includes all demolition and Mechanical/Plumbing construction related to the **HS/MS & Todd ES** as shown on the drawings, and specified herein. Work under this contract includes but is not limited to the following:

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ALL ITEMS A. thru Y.

DIVISION 1 GENERAL REQUIREMENTS

ALL OF DIVISION 1

DIVISION 15 - MECHANICAL

Section 15010 – General Mechanical Requirements
Section 15014 – Codes, Standards, and Permits
Section 15018 – Motors and Electrical Work
Section 15050 – Basic Mechanical Materials and Methods
Section 15100 – Valves
Section 15135 – Thermometers & Gauges
Section 15215 – Vibration Isolation
Section 15250 – Mechanical Insulation
Section 15290 – Duct Insulation
Section 15511 – Fire Stopping
Section 15515 – Hydronic Specialties
Section 15650 – Heating, Ventilation, and Air Conditioning
Section 15657 – Electrical Work
Section 15755 – Exhaust Fans
Section 15800 – Air Distribution
Section 15802 – Inspection, Testing & Balancing
Section 15806 – Fire Dampers
Section 15891 – Ductwork
Section 15893 – Duct Accessories
Section 15895 – Diffusers, Registers, & Grilles
Section 15990 – HVAC Testing Adjusting Balancing
Section 15995 – Mechanical Systems Commissioning
Section 15997 – Mechanical Testing Requirements

DIVISION 15A - PLUMBING

Section 15011A – Plumbing General Provisions
Section 15013A – Codes, Standards, and Permits
Section 15014A – Schedule of Equivalency
Section 15015A – Maintenance Instructions
Section 15050A – Plumbing Basic Materials and Methods
Section 15052A – Access to Plumbing Work
Section 15057A – Plumbing Identification Systems
Section 15060A – Cutting and Patching
Section 15180A – Plumbing Insulation
Section 15411A – Plumbing Domestic Water Piping Systems
Section 15412A – Plumbing Sanitary Piping System
Section 15440A – Plumbing Fixtures & Trim
Section 15511A – Fire Stopping
Section 15985A – Plumbing, Testing, Adjusting and Balancing

4. The **BASE BID EC-1 ELECTRICAL CONSTRUCTION CONTRACT** This Contract includes all demolition and Electrical construction related to the **HS/MS & Todd ES** as shown on the drawings and specified herein. It also includes administrative and coordination responsibilities. Work under this prime Contract includes, but is not limited to the following:

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ALL ITEMS A. thru Y.

DIVISION 1 GENERAL REQUIREMENTS

ALL OF DIVISION 1

DIVISION 16 - ELECTRICAL

Section 16010 – General Provisions
Section 16060 – Grounding and Bonding
Section 16100 – Basic Materials and Methods
Section 16470 – Panelboards
Section 16475 – Circuit Breakers
Section 16511 – Firestopping

5. The **BASE BID RC-1 ROOFING CONSTRUCTION CONTRACT**

This Roofing Contract includes all abatement, demolition and Roof Construction at the **Todd ES** Roof as shown on the drawings and specified work under this Contract Includes, but is not limited to the following:

TABLE OF CONTENTS

ALL ITEMS A. thru Y.

DIVISION 1 GENERAL REQUIREMENTS

ALL OF DIVISION 1

DIVISION 6 - WOOD AND PLASTICS

Section 06100 – Rough Carpentry

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

Section 07542 – TPO Roofing System
Section 07800 – Roof Accessories
Section 07830 – Roof Scuttle
Section 07900 – Caulking

DIVISION 8 – DOORS AND WINDOWS

Section 08670 – Skylight Protection Screen

6. The **BASE BID RC-2a ROOFING CONSTRUCTION CONTRACT**

This Roofing Contract includes all abatement, demolition and Roof Construction at the **High School** Roof as shown on the drawings and specified work under this Contract Includes, but is not limited to the following:

TABLE OF CONTENTS

ALL ITEMS A. thru Y.

DIVISION 1 GENERAL REQUIREMENTS

ALL OF DIVISION 1

DIVISION 4 - MASONRY

Section 04200 – Unit Masonry

DIVISION 6 - WOOD AND PLASTICS

Section 06100 – Rough Carpentry

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

Section 07542 – TPO Roofing System
Section 07800 – Roof Accessories
Section 07830 – Roof Scuttle
Section 07900 – Caulking

7. The **BASE BID RC-2b ROOFING CONSTRUCTION CONTRACT**

This Roofing Contract includes all demolition and Roof Construction at the **Middle School Roof** as shown on the drawings and specified work under this Contract Includes, but is not limited to the following:

TABLE OF CONTENTS

ALL ITEMS A. thru Y.

DIVISION 1 GENERAL REQUIREMENTS

ALL OF DIVISION 1

DIVISION 4 - MASONRY

Section 04200 – Unit Masonry

DIVISION 6 - WOOD AND PLASTICS

Section 06100 – Rough Carpentry

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

Section 07542 – TPO Roofing System

Section 07800 – Roof Accessories

Section 07830 – Roof Scuttle

Section 07900 – Caulking

8. The **BASE BID RC-3 ROOFING CONSTRUCTION CONTRACT**

This Roofing Contract includes all abatement, demolition and Roof Construction at the **High School and Middle School** Roof as shown on the drawings and specified work under this Contract Includes, but is not limited to the following:

TABLE OF CONTENTS

ALL ITEMS A. thru Y.

DIVISION 1 GENERAL REQUIREMENTS

ALL OF DIVISION 1

DIVISION 4 - MASONRY

Section 04200 – Unit Masonry

DIVISION 6 - WOOD AND PLASTICS

Section 06100 – Rough Carpentry

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

Section 07542 – TPO Roofing System

Section 07800 – Roof Accessories

Section 07830 – Roof Scuttle

Section 07900 – Caulking

1.7 MISCELLANEOUS

A. The following additional requirements for the:

High School and Middle School Contract GC-1 and

High School and Middle School and Todd ES Contract GC-2

General Construction Contract includes, but not limited to the following:

1. Furnish all dumpster for building construction, for use by all MEP trades, except mechanical, plumbing demolition and electrical demolition and light fixtures to provide their own individual dumpsters..
 2. Daily and weekly cleanup of the site and building(s) area(s).
 3. Temporary site protection, bridging and fencing. Furnish, install and maintain sidewalk bridges as required for the safe travel of school occupants from emergency exits in the existing school building. The scope includes preparation and submittal of an engineered shop drawing of the sidewalk bridge.
 4. All blocking and in walls for use by other trades. Other trades shall identify the locations of required blocking.
 5. Blocking where necessary for installation of work under the contract for general construction.
 6. Install Access Panels provided by other Prime Contractors.
 7. Finish patching associated with this Contract Work. Other Prime Contracts are responsible for their own cutting and patching unless noted otherwise.
 8. Install sleeves and other materials provided by other Contracts. Coordinate location of material installation with other Prime Contractors.
 9. Protection of work after installation.
 10. Fire and smoke stop.
 11. Interior floor, wall and ceiling expansion joints as per the contract documents.
 12. Framing for soffits, interior and exterior.
 13. All Interior Architectural Woodwork
 14. All louvers, Casework, Interior Millwork and Architectural Woodwork.
 15. General Contractor to produce a draft CPM Schedule with 10 days and coordinated CPM Schedule within 15 days of award and updated monthly for the duration of the project, MEP to provide their schedules to the General Contractor. Provide Baseline General Construction Schedule incorporating the other Prime Contracts Schedules with the General Construction Schedule, and provide an update to the construction schedule on a monthly basis for the duration of the project as part of the monthly payment requisition process.
 16. Fire Protection specialties including fire extinguishers and cases.
 17. Install sleeves and other materials provided by other Prime Contracts.
Coordinate location of material installation with other Prime Contractors
 18. All Exterior Concrete Equipment Pads as required by other Prime Contractors, coordinate sizes and locations with other Primes.
 19. Establishing and Maintaining Project Monuments for benchmarks / elevations.
 20. This Contract includes the purchasing and installation of doors and door hardware Refer to Specification 087100 Door Hardware and High School Drawings for information on the doors and door hardware. GC to coordinate installation with Owner and its security vendors.
 21. This contract is responsible to protect existing flooring and other finishes in all areas of work affected under this contract.
 22. Temporary sanitary facilities. Minimum one unit per 10 workers and separate unit for women with lock as it applies to each School.
- B. The following additional requirements for the **MS/HS and Todd ES MC-1 and/or GC-1:**
Mechanical Contract includes, but not limited to the following:
1. Identify the locations of and required blocking for their installations by **GC-1**
 2. Provide Access Panels, dimensions and locations to **GC-1** for installation.
 3. Cutting and Finish patching associated with this Contract Work. Other Contracts are responsible for their own cutting and patching unless noted otherwise.
 4. Daily and Weekly Cleanup of the Site and building(s) area(s).
 5. Provide sleeves and other materials including dimensions and locations to the Contractor 1-GC for installation.
 6. Protection of work after installation.

- 7 Fire and smoke stop.
- 8 Interior floor, wall and ceiling expansion joints as per the contract documents for installation of Mechanical work.
- 9 Excavation and Backfill for all site MEP installations, this work is to be coordinated with local utility as required Within the building footprint and to 5'-0" outside the building footprint
10. General Contractor to produce a draft CPM Schedule with 10 days and coordinated CPM Schedule within 15 days of award and updated monthly for the duration of the project. MEP primes to provide their input for the monthly updated schedule that is to be provided by the GC. The General Construction Schedule, is to be updated on a monthly basis for the duration of the project as part of the monthly payment requisition process.
11. Provide sleeves and other material to be installed by the General Contractor, coordinate dimensions and locations with the GC-1.
12. Provide dimensions and location of all Exterior Concrete Equipment Pads for installation by the GC-1 General Contractor.
13. This contract is responsible to protect existing flooring and other finishes in all areas of work affected under this contract.
14. Furnish and install all slotted grilles adjacent to convention radiation, including in walls and casework.
15. GC-1 and GC-2 to Furnish all dumpster for building construction, for use by all MEP trades, except mechanical, plumbing demolition and electrical demolition and light fixtures, MEP trades to provide their own individual dumpsters for demolition.
16. Temporary sanitary facilities. Minimum one unit per 10 workers and separate unit for women with lock as it applies to each School

C. The following additional requirements for the **HS/MS / ToddES MC-1 and/or GC-2:**
Mechanical/Plumbing Contract includes, but not limited to the following:

1. Identify the locations of and required blocking for their installations to the General GC-1 Contractor.
2. Provide Access Panels, dimensions and locations to the General Contractor GC-1 for installation.
3. Finish patching associated with this Contract Work. Other Contracts are responsible for their own cutting and patching unless noted otherwise.
4. Daily and Weekly Cleanup of the Site and building(s) area(s).
5. Provide sleeves and other materials including dimensions and locations to the General Contractor GC-1 for installation.
6. Protection of work after installation.
7. Fire and smoke stop.
8. Interior floor, wall and ceiling expansion joints as per the contract documents for installation of Mechanical work.
9. Excavation and Backfill for all site Plumbing installations, this work is to be coordinated with local utility as required. Within the building footprint and to 5'-0" outside the building footprint
10. Temporary Water: as required for the project to execute Exterior Masonry work, Interior work, Interior finishes and other work as noted in Section 01 50 00 Temporary Facilities and Controls.
11. GC-1 General Contractor to produce a draft CPM Schedule with 10 days and a coordinated CPM Schedule within 15 days of award and updated monthly for the duration of the project. MEP primes are to provide their input for the monthly updated schedule that is to be provided by the GC-1 The General Construction Schedule, is to be updated on a monthly basis for the duration of the project as part of the monthly payment requisition process.
12. Provide sleeves and other material to be installed by the GC-1 General Contractor, coordinate dimensions and locations with the GC-1.
13. Provide dimensions and location of all Exterior Concrete Equipment Pads for installation by

GC-1 General Contractor.

14. This contract is responsible to protect existing flooring and other finishes in all areas of work affected under this contract.
15. GC-1 and GC-2 to Furnish all dumpster for building construction, for use by all MEP trades, except mechanical, plumbing demolition and electrical demolition and light fixtures, MEP trades to provide their own individual dumpsters for demolition.
16. Temporary sanitary facilities. Minimum one unit per 10 workers and separate unit for women with lock as it applies to each School

D. The following additional requirements for the **High School and ToddES EC-1 and/or GC-2: Electrical Contractor** includes, but not limited to the following:

1. Identify the locations of and required blocking for their installations to the General **GC-1** and/or **GC-2** Contractor.
2. Provide Access Panels, dimensions and locations to the General Contractor for installation.
3. Finish patching associated with this Contract Work. Other Contracts are responsible for their own cutting and patching unless noted otherwise.
4. Daily and Weekly Cleanup of the Site and building(s) area(s).
5. Provide sleeves and other materials including dimensions and locations to the General Contractor for installation.
6. Protection of work after installation.
7. Fire and smoke stop.
8. Interior floor, wall and ceiling expansion joints as per the contract documents for installation of Mechanical work.
9. Excavation and Backfill for all site MEP installations, this work is to be coordinated with local utility as required. Within the building footprint and to 5'-0" outside the building footprint
10. Temporary Electrical: as required to execute Exterior Masonry work, Interior work and Interior finishes, as noted in Section 01 50 00 Temporary Facilities and Controls.
11. GC-1 General Contractor to produce a draft CPM Schedule with 10 days and a coordinated CPM Schedule within 15 days of award and updated monthly for the duration of the project. MEP primes are to provide their input for the monthly updated schedule that is to be provided by the 1-GC. The General Construction Schedule, is to be updated on a monthly basis for the duration of the project as part of the monthly payment requisition process.
12. Provide sleeves and other material to be installed by the GC-1 General Contractor, coordinate dimensions and locations with the GC-1.
13. Provide dimensions and location of all Exterior Concrete Equipment Pads for installation by the GC-1 General Contractor.
14. This contract is responsible to protect existing flooring and other finishes in all areas of work affected under this contract.
15. Provide their own Dumpster for demolition.
16. Electrical Connections for equipment supplied by other Prime Contractors
17. Site Lighting and Main Electrical Power
18. Provide Temporary Electrical service and lighting for the project as note in Section 015000 Temporary Facilities and Controls.
19. GC-1 and GC-2 to Furnish all dumpster for building construction, for use by all MEP trades, except mechanical, plumbing demolition and electrical demolition and light fixtures, MEP trades to provide their own individual dumpsters for demolition.

E. The following additional requirements for the **Todd ES RC-1, High School RC-2a, Middle School R-2b and RC-3 Roofing Contracts:**

1. Furnish all dumpster for building construction, for use by all trades, except mechanical, plumbing demolition and electrical light fixtures
2. Daily and weekly cleanup of the site, building area and roof.
3. Temporary site protection, bridging and fencing. Furnish, install and maintain sidewalk bridges as required for the safe travel of school occupants from emergency exits in the existing school buildings at all exterior doorways and openings, including all associated interior and exterior safety signage. The scope includes preparation and submittal of an engineered shop drawing of the
4. Finish patching associated with this Contract Work
5. Install sleeves and other materials provided by other Contracts. Coordinate location of material installation with other Prime Contractors.
6. Protection of work after installation.
7. Contractor to produce a draft CPM Schedule with 10 days and coordinated CPM Schedule, as required, within 15 days of award and updated monthly for the duration of the project, Provide Baseline General Construction Schedule incorporating the other work, and provide an update to the construction schedule on a monthly basis for the duration of the project as part of the monthly payment requisition process.
8. Temporary sanitary facilities. Minimum one unit per 10 workers and separate unit for women with lock as it applies to each School

1.8 Temporary service shall be provided as follows:

A. DAILY CLEANING

1. Daily Cleaning: All Prime Contracts are responsible for any and all debris caused by their Work, including the Work of their subcontractors. A daily clean up and disposal is required by each Prime Contract for the periods which that Prime Contract, or its sub-contractors, are performing Work on site
2. Assign at least one person for a daily clean and sweep of the work area(s). Prime Contractor shall allot sufficient manpower and time for this to be completed by the end of each shift. Submit name of this person(s) to Construction Manager.
3. Construction Manager shall have the authority to give direction to person(s) on the Project Site identified by the Prime Contract as designated for cleanup tasks.
4. Any Prime Contract not providing personnel for Daily Cleaning will be Back Charged for labor provided by others to complete this task.
5. Contractor working solely in an area shall be responsible for clean/sweep of that area.
6. Daily cleaning will not mean any one Prime Contract is responsible for assisting another Prime Contract with removing major quantities of debris created by a particular Prime Contract's Work.
7. Daily cleaning will be mandated to remove from the building any debris created by day-to-day activities. Each Prime shall assist in sweeping shared work areas and shared corridors while working on site. Each Prime shall assist in mopping of shared corridors while working on site or as required by the Owner.
8. Prime Contractors shall provide sweeping compound for daily cleaning in their respective interior work areas. Each Prime Contract shall provide a sufficient number of brooms or other necessary tools and equipment, for use by their personnel to adequately fulfill their obligations.
9. Prime Contractors shall provide and maintain garbage cans/refuse containers with liners for each construction area of their respective contracts as directed by the Construction Manager and Prime Contractors shall be responsible for disposing of these materials to a dumpster.
10. **GC-1, GC-2 are to provide all dumpster for use by other trades with the exception of Roofing Contracts** -Prime Contractors shall provide the necessary equipment/containers (lull/skip-box) to move daily clean/sweep debris from the building to a dumpster on a daily basis, for each construction area of their respective contracts.

11. Cleaning shall be deemed a Safety & Health issue, with Prime Contracts being held accountable for fulfilling their contractual obligations.
12. Final Cleaning: At Substantial Completion of each area of construction, each Prime Contract shall wipe/vacuum clean all of their respective installations; Prime Contractors shall mop clean all finish flooring and remove all marks/blemishes to the finish, for each construction area of their respective contracts. Each area of construction shall be wiped clean of all construction dust and debris prior to turnover to the Owner.

1.9 WORK SCHEDULES

- A. All work: done in accordance with a predetermined detailed Work Schedule agreed upon by Owner and Contractors. Each Prime Contractor shall submit a detailed Work Schedule to the Contractor for General Construction, within 10 days after Award of Contract. Schedule shall include all milestone and other significant dates. Contractor for General Construction shall combine all into a CPM schedule within 15 days of award and update weekly for the duration of the project, all primes to sign off on final CPM Schedule.
 1. Work Schedule shall be computer generated, in CPM format and in an additional format as approved by the Architect and Owner. Work Schedule shall be revised weekly during the Course of the Work. The latest revised Work Schedule shall be submitted each month with the Application for Payment.
- B. General Contractor shall coordinate work with the Owner, other Contractors at the site, and all of its subcontractors.
- C. Locations of trailers, storage areas, parking areas, and staging areas shall be coordinated with the Owner, Construction Manager and Architect.
- D. It will be the responsibility of the Contractor to carefully interface all construction operations until they reach their final completion, and so the Owner's programs and services can be carried on without interruptions so that a smooth flow of all operations by all involved trades will be achieved within the allotted time.

1.10 ACCESS TO THE SITE

- A. Driveways and Entrances: Keep driveways and entrances serving the premises clear and available to the Owner, the Owner's employees, and emergency vehicles at all times. Do not use these areas for parking or storage of materials. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on-site.

1.11 CODES APPLICABLE

- A. Construction will be governed by: New York State Uniform Fire Prevention and Building Code, current applicable edition, and its referenced codes and standards.
State Education Department Manual for Planning Standards.

1.12 PREPARATION OF SITE

- A. Contractor agrees to accept site as indicated and to remove Encumbrances, which interfere with proper fulfillment of his work without change in Contract Sum.

- B. All Work as noted inside or outside of Contract Limit Lines shall be performed by Contractor as part of Contract Work.

1.13 CONTRACTOR'S USE OF PREMISES

- A. Confirm Operations at the Site to Areas and Methods Permitted by:
 - 1. Laws.
 - 2. Ordinances.
 - 3. Permits.
 - 4. Contract Documents.
 - 5. Owner's regulations.
- B. General: During the construction period the Contractor's shall have full use of the premises for construction operations. The Contractor's use of the premises is limited only by the Owner's right to perform construction operations with its own forces or to employ separate contractors on portions of the project.
- C. Confine operations to areas within Contract limits indicated. Portions of the site beyond areas in which construction operations are indicated are not to be disturbed.
- D. Do not unreasonable encumber site with materials or equipment.
- E. Do not load structure(s) with weight that will endanger structure.
- F. Each Subcontractor is responsible for protection and safekeeping of his materials, products and equipment stored on the premises that is incorporated into the construction, until his contract is complete and accepted by the Owner.
- G. Site Access: Keep driveways and entrances serving the premises clear and available to the Owner, the Owner's employees, and emergency vehicles at all times. Do not use these areas for parking or storage of materials. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on-site.
- H. Move at the Contractor's/Subcontractor's cost any stored materials, products or equipment which interfere with operations of Owner or others.
- I. Special Owner Requirements:
 - 1. Partial Owner Occupancy: The Owner reserves the right to occupy and to place and install equipment in completed areas of the building, prior to Substantial Completion provided that such occupancy does not interfere with completion of Work. Such placing of equipment and partial occupancy shall not constitute acceptance of the total Work.
 - 2. All activities required on the site for completion of the work shall be accomplished within the Contract limit lines as indicated on the Drawings.

1.13 LINE AND LEVELS

- A. Drawings indicate location of the Work.
- B. Contractor shall layout all Work prior to construction and will be held responsible for its accuracy. Layout approval by Owner and Architect is required prior to construction.
- C. Owner shall establish a "Datum" or "Bench Mark" at convenient locations, which will remain throughout Work, for convenience and constant reference for use of all Contractors.

- D. Each Contractor is responsible for their own survey(s) and layout.

1.14 TIME FOR COMPLETION

- A. It shall be understood and mutually agreed that the time for Substantial Completion is an essential condition of this Contract.
- B. Contractor agrees that Work shall be prosecuted diligently and uninterruptedly at such rate as will ensure Substantial Completion of all Work and Certificates of Occupancy on or before the date stated in the Contract.
- C. It is expressly understood and agreed by Contractor and Owner that the time for Substantial Completion and Certificates of Occupancy are reasonable, taking into consideration average Climatic range, restrictions concerning use of the site, and Other prevailing conditions.
- D. Contractor shall schedule the Work accordingly.

1.15 EXAMINATION OF SURFACES TO BE COVERED

- A. Prior to application of materials included in the various Sections, the installer, the manufacturer's representative, and the Contractor shall together examine the building and surfaces upon which materials are to be supplied.
- B. The installer and the manufacturer's representative shall accept all surfaces and conditions affecting proper installation of their materials. The installer shall not proceed with the work until all conditions and surfaces are satisfactory to him.
- C. The Contractor shall do all work necessary to correct unsatisfactory conditions and surfaces not specifically included as work of the subcontractor.
- D. The subcontractor shall furnish to the Contractor for submission to the Architect 2 copies of his statement, countersigned by the manufacturer or his appointed representative that the entire installation has been made by correct techniques over properly prepared surfaces and under proper job conditions.

1.16 FIRE SAFETY REQUIREMENTS

- A. The Contractor shall conform to the following mandatory Requirements during the course of the work:
 - 1. Construction related debris shall be cleaned out of the Building at the end of each working day.
 - 2. No combustible materials shall be stored neither within the building, nor on the school grounds unless as directed.

1.17 SCHEDULE OF VALUES REQUIREMENTS

- A. The Contractor shall conform to the following mandatory requirements for percentages of the total contract value, including accepted add alternates, for the Schedule of Values (SOV) submission:
 - 1. General Conditions – 2%
 - 2. Meeting Attendance – 2%
 - 3. Shop Drawings / Samples Submissions – 1%

4. Temporary Utilities & Services – 1%
5. Coordination Drawings – 1%
6. Punch-List – 1%
7. Close-Out Documents (Warranties/Guarantees, As-Builts & O&M Manuals) – 3%

1.18 COORDINATION DRAWINGS

- A. The Contractor shall coordinate the work of all Sub-Contractors, arrange space conditions to accommodate the work of all trades and prepare composite drawings as required to scale clearly the work of each trade Contractor in relation to each other.
- B. The Contractor will be held responsible to correct unsatisfactory conditions resulting from improper coordination.
- C. Contractors to communicate and supply shop drawings to each other to insure proper coordination.
- D. Coordination drawings shall be submitted to the Architect for review and approval.
- E. Daily field reports are to be provided by all Contractors to the Construction Manager.
- F. Coordination Meetings:
 1. General: Contractors are to prepare a written memorandum on required coordination activities. Include such items as required notices, reports, minutes of meetings, and attendance at meetings. Distribute this memorandum to each entity performing work at the project site. Prepare similar memorandum for separate contractors where interfacing of their work is required.
 2. Weekly coordination meetings: Contractors shall schedule and hold weekly general project coordination meetings at regularly scheduled times that are convenient for the attendance of other parties involved in the project (i.e. Owner, Architect, CM, Sub-Contractors etc.). The Contractors shall record meeting results and shall make them available to the Project Team. These meetings are in addition to the specific meetings held for other purposes, such as regular project meetings and special pre-installation meetings. Required attendance includes each prime contractor and every other entity identified by any prime contractor as being currently involved in the coordination or planning for the work of the entire project. Conduct meetings in a manner that resolve coordination problems. The Construction Manager shall have a representative at the meetings. The Contractors shall distribute copies of the meeting result to everyone in attendance, the Architect and to others affected by the decisions and actions resulting from each meeting.
- G. Scaled and figured dimensions with respect to the items are approximate only; sizes of equipment have been taken from typical equipment items of the classes indicated. Before proceeding with the work, the contractor shall carefully check all dimensions and sizes and shall assume full responsibility for the fitting in of equipment and materials to the building and to meet architectural and structural conditions.
- H. Separate plans shall also be prepared for sleeve locations and concrete pads for mechanical equipment required by all contractors for the performance of their work. These drawings shall be coordinated with the coordination drawings. When final information is received, such data shall be promptly inserted on the coordination drawings.
- I. The Mechanical/HVAC Contractor shall provide Electronic Coordination Drawing(s) files, at a scale of 3/8" – 1'-0" showing all HVAC equipment, ductwork, and major piping, including elevations and dimensions to all fixed building elements, such as beams; columns, slabs; ceilings; including ceiling suspensions; framing; floor; walls; doors, including door swings; and windows affected by the equipment, ductwork, and piping. Show all registers, grilles, diffusers, radiators and convectors,

- and other terminal elements. This drawing is to be used to coordinate installations by other prime contractors. Show location of all valves, dampers (fire, smoke, volume, and automatic), coils, humidifiers, smoke detectors, etc. requiring access for service and maintenance. Locate all access doors. Include large-scale details and sections as required to fully delineate the conditions in congested areas, leaving space for the work of the other contractors. Show plan layout of all equipment bases, pads, and inertia blocks. Clearly label all work by Mechanical/Plumbing Contractor. This Prime Contractor to also show existing Mech/HVAC, Ductwork, Equipment and other existing Mech/HVAC appurtenances on the Electronic Coordination Drawing(s).
- J. The Plumbing Contractor shall overlay on the Electronic Coordination Drawings prepared by the Mechanical/HVAC Contractor which shall indicate all Plumbing water supply, drain, waste, vent, sprinkler main and branch piping, risers and sprinkler heads and other major lines. Indicate piping elevations and locations of the fire hose cabinets, drinking fountains, etc., which encroach on duct shafts. Locate valves and other items requiring access for service and maintenance. Locate all access doors. Avoid interference with HVAC work and with building construction. Use same scale as drawing being overlaid. Clearly label all work by Plumbing Contractor. This Prime Contractor to also show existing Plumbing, Piping, Vents, Drains and other existing Plumbing appurtenances and equipment on the Electronic Coordination Drawing(s).
- K. The Electrical Contractor shall overlay on the Electronic Coordination Drawings (after the Mech/HVAC and Plumbing Prime contracts) The Electronic Drawings are to be overlaid and prepared by the Electrical Prime contract. Coordinating locations of existing Plumbing and Fire Protection Contractors all main conduit and bus runs, cable trays, light fixtures, major equipment, and switch gear and panel boards and clearances. Show all items requiring access for service and maintenance. Locate all access doors. Avoid interference with exist HVAC, Plumbing, and Fire Protection work and with building construction. Use same scale as drawings being overlaid. Clearly label all existing work and new work by the Electrical Prime. This Prime Contractor to also show existing Electrical Conduits, piping, Equipment and other existing Electrical appurtenances on the Electronic Coordination Drawing(s).
- L. Each Contractor shall use the signed completed coordination drawings as a working reference. Compare all shop drawings, prior to their submittal to the Architect, with the coordination drawings and revise the shop drawings to fit the coordination drawing condition. If revisions to the coordination drawings are required because of shop drawings, make revisions as directed by AOR/EOR and notify all affected contractors with copy of notification to Construction Manager. Maintain up-to-date record of all revisions on own coordination drawing copies; keep one copy at project site.
- M. No extra compensation will be paid to any contractor for relocating any duct, pipe, conduit, or other material installed without coordination among trades involved or among other affected contractors. Each Contractor who causes any additional work to other contractors by improperly coordinated work or work not installed in accordance with the signed coordination drawings shall reimburse the affected other contractors for the cost of the additional work.

PART 2 – PRODUCTS (Not Used)

PART 3 – EXECUTION (Not Used)

END OF SECTION 011200