

SECTION 011000 - SUMMARY OF WORK - MULTIPLE PRIME CONTRACTS

GENERAL

1.1 PROJECT INFORMATION

- A. Project: 2022 Capital Bond Project, Phase 2
- B. Project Location: District-Wide
- C. Owner: Eastchester Union Free School District
- D. Architect: MEMASI
- E. Construction Manager: Arris Contracting Company, Inc.
- F. The overall scope of work includes: secure entrance vestibules at all schools (Additions at High School and Waverly), asbestos abatement, new VCT flooring, ACT Ceilings, light fixtures, door and hardware replacements, security devices, window replacements, masonry repairs, etc.
 - a. The contractor shall provide all labor, materials, equipment and services to furnish deliver and install all materials and related work as shown on the drawings, as required by these specifications and/or as directed by the Architect/Construction Manager.
- G. Contracts:
 - 1. The Project will be constructed under a multiple prime-contracting arrangement.
 - 2. 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 prime contracts. Prime contracts for this Project include:
 - a. Contract No. 1 – General Construction (GC)
 - b. Contract No. 2 – Mechanical Construction (MC)
 - c. Contract No. 3 – Electrical Construction (EC)
 - d. Contract No. 4 – Window Construction Work (WC)

1.2 DIVISION OF WORK

- A. Each contract shall include all labor materials, plans, tools, equipment and supervision which are required for or incidental to the proper completion of the work as indicated on the drawings and described in the following specification sections:

1.3 GENERAL REQUIREMENTS – ALL CONTRACTS

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

SECTION

000101	Project Title Page
000110	Table of Contents
000115	Drawing Index
001113	Advertisement for Bids
002113	Instructions to Bidders
002513	Prebid Site Visit
002600	Procurement Substitution Procedures
004116	Bid Form(s)
004313	Bid Security Forms
004324	Procurement Substitution Request Form
004503	Insurance Certification Form
004519	Non-Collusion Affidavit

004520	Iran Divestment Act Affidavit
004521	Inability to Comply with Iran Divestment Act Affidavit
004522	Sexual Harassment Prevention Certification Form
004543	Corporate Resolutions
006000	Project Forms
007343	Wage Rates
	AIA A132-2019 Standard Form of Agreement Between Owner and Contractor
	AIA A132-2019 Exhibit A Insurance and Bonds
	AIA A232-2019 General Conditions of the Contract for Construction
	AIA A305-1986 Contractor's Qualification Statement
	AIA A310-2010 Bid Bond
	AIA A312-2010 Payment Bond
	AIA A312-2010 Performance Bond
	AIA A701-2018 Instructions to Bidders
	AIA C106-2013 Digital Data Licensing Agreement

DIVISION 01 - GENERAL REQUIREMENTS

SECTION

011000	Summary of Work
011100	Milestone Schedule
012100	Allowances
012200	Unit Prices
012300	Alternates
012500	Substitution Procedures
012501	Substitution Request Form
012600	Contract Modification Procedures
012900	Payment Procedures
013100	Project Management and Coordination
013119	Project Meetings
013150	Covid-19 Contractor Compliance
013216	Construction Progress Schedule
013300	Submittal Procedures
013529	Health and Safety Plan
014000	Quality Requirements
014100	Permits and Compliance
014326	Testing Laboratory Services
015000	Temporary Facilities and Controls
016000	Product Requirements
017329	Cutting and Patching
017400	Cleaning Up
017700	Closeout Procedures
017701	Checklist for Project Closeout
017719	Project Record Documents
017823	Operation and Maintenance Requirements
	AIA G703-1992 Continuation Sheet
	AIA G706-1994 Contractor's Affidavit of Payment of Debts and Claims
	AIA G706A-1994 Contractor's Affidavit of Release of Liens
	AIA G707-1994 Consent of Surety to Final Payment
	AIA G710-2017 Architect's Supplemental Instructions
	AIA G716-2004 Request for Information (RFI)
	AIA G731-2019 Change Order
	AIA G732-2019 Application and Certificate for Payment

AIA G733-2019 Construction Change Directive
AIA G734-2019 Certificate of Substantial Completion
Submittal Cover Sheet

1.4 Contract No. 1 – General Construction (GC)

In addition to the General Requirements, Division 01, included in this bid package contractor shall provide for proper completion of work as indicated on all drawings and in accordance with the terms and conditions described in the following specification sections:

DIVISION 02 - EXISTING CONDITIONS

SECTION

020810	Asbestos Abatement
024113	Selective Site Demolition
024119	Selective Demolition and Alteration Work

DIVISION 03 - CONCRETE

SECTION

033000	Cast-in-Place Concrete
034500	Architectural Precast Concrete
035416	Cement Leveling Compound

DIVISION 04 - MASONRY

SECTION

040120	Maintenance of Brick Masonry
042113	Unit Masonry

DIVISION 05 - METALS

SECTION

051200	Structural Steel
052100	Steel Joists and Joist Girders
053100	Steel Decking
054000	Cold-Formed Metal Framing
055000	Miscellaneous Metals
055813	Column Covers

DIVISION 06 - WOOD, PLASTICS AND COMPOSITES

SECTION

062000	Carpentry
064023	Architectural Woodwork

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

SECTION

071326	Sheet Membrane Waterproofing
071700	Bentonite Waterproofing
072100	Thermal Insulation

072700	Vapor Permeable Air Barrier Liquid Membrane
074113	Metal Roof Panels
074213.23	Metal Composite Material Wall Panel
075216	SBS Modified Bituminous Membrane Roofing
076200	Sheet Metal Flashing
077100	Roof Specialties and Accessories
078413	Firestops and Smoke seals
079200	Joint Sealers
079500	Expansion Control

DIVISION 08 - OPENINGS

SECTION

081113	Steel Doors and Frames
081416	Wood Doors
081743	FRP/Aluminum Hybrid Doors
083113	Access Doors
083324	Roll Up Fire Counter Shutters
083473	Sound Control Door Assemblies
084113	Aluminum Entrances and Storefronts
084900	Fire Rated Glass and Framing Systems
085113	Aluminum Windows
085619	Sliding and Fixed Transom Windows
087100	Door Hardware
088000	Glass and Glazing
089000	Louvers
089516	Wall Vents

DIVISION 09 - FINISHES

SECTION

092116	Gypsum Board Assemblies
093013	Ceramic Tiling
095113	Acoustical Panel Ceilings
096513	Resilient Base and Accessories
096519	Resilient Tile Flooring
099000	Painting and Finishing

DIVISION 10 - SPECIALTIES

SECTION

101419	Dimensional Letters
101453	Traffic Signage
102123	Cubicle Curtains and Tracks
102813	Toilet Accessories
104416	Fire Extinguishers and Cabinets
107500	Flagpoles

DIVISION 12 - FURNISHINGS

SECTION

122413	Window Shades
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124823 Entrance Floor Grids

DIVISION 13 - SPECIAL CONSTRUCTION

SECTION

133415 Tubular Frame Bleachers

DIVISION 22 – PLUMBING (ROOF DRAINS AND ASSOCIATED PIPING AT WAVERLY AND HIGH SCHOOL)

SECTION

220500	Common Work Results for Plumbing
220517	Sleeves and Sleeve Seals for Plumbing Piping
220518	Escutcheons for Plumbing Piping
220523	General-Duty Valves for Plumbing Piping
220529	Hangers and Supports for Plumbing Piping and Equipment
220553	Identification for Plumbing Piping and Equipment
220719	Plumbing Piping Insulation
221116	Domestic Water Piping
221119	Domestic Water Piping Specialties
221316	Sanitary Waste and Vent Piping
221319	Sanitary Waste Piping Specialties
224000	Plumbing Fixture

DIVISION 31 - EARTHWORK

SECTION

311000	Site Preparation
312000	Earth Moving
312500	Erosion and Sediment Control

DIVISION 32 - SITE IMPROVEMENTS

SECTION

321216	Asphalt Paving
321313	Concrete Paving
321400	Unit Paving
321613	Concrete Curbs
321723	Pavement Markings
323113	Chain Link Fences and Gates
329200	Turf and Grasses

Special Notes: Contract No. 1 – General Construction (GC):

1. Work hours M-F 7:00AM – 4:30PM. Contractor will appropriately manage the project to avoid Saturday and Overtime hours which result in Owner, Construction Manager and Architect additional costs.
2. General Work Contractor to carry insurance coverages per the “Eastchester Insurance Requirements” which are located in the DIV O specification.
3. Access doors for MEP trades furnished by trade requiring access; installation by Contract No. 1 – General Construction (GC).

4. The General Work Contractor No. 1 is responsible for all Asbestos abatement work on the project, with the exception of the HS/MS exterior window/lintel work (Drawings H010 – H -013) which is part of the Window Work Contract No. 4.
5. In ceiling areas which contain asbestos: The GC's abatement subcontractor will remove and clean all devices within the abatement area (FA, WAP, Speakers , Cameras, Projectors etc) so that they are certified free of contamination . The abatement contractor will also fully clean and tie-up all light fixtures so they are certified free of contamination and ready to be removed by the EC.
6. GC and subcontractors will not be allowed to use existing or new plumbing fixtures to wash out mortar pans, grout, adhesives, etc.
7. GC will utilize lead-safe work practices – when impacting/ removing / disposing of any lead containing items.
8. GC is specifically reminded that there may be miscellaneous asbestos pipe insulation / fittings above some ceilings and inside wall areas. Contractor will investigate above the ceiling and walls prior to demolition and carefully perform the work as necessary to not disturb any insulation / fittings.
9. GC is notified that phasing will require multiple mobilizations and multiple crews of various subcontractors.
10. All work at Stone Portico and exterior of main entrance / security vestibule canopy including masonry repairs/cleaning is by Contract No. 1 – General Construction (GC) (Drawings HS AD401, HS A401 & HS A403 & HS A404)
11. All existing ceiling removal / replacements necessary to install GC work will be by GC Contract No.1 including temporary support for all lighting fixtures, smoke detectors, etc.
12. All staging area work (signage, parking areas, fence enclosures, etc.) shown in staging drawing (located in spec 015000) is by GC. Remove all temporary materials and restore all temporary roadways / staging surfaces at conclusion of the project.
13. GC to provide negative air environments to properly exhaust all work areas of any odors, dust, fumes.
14. GC and their Door Hardware consultant will field measure all existing door frames scheduled to remain and receive new doors for proper hardware placement.
15. All roof drain and piping work at HS/MS and Waverly security vestibules shown on P- Drawings is by the General Work Contractor (HS P001, HS PD101, HS P101, HS P201, WA P001, WA P101 & WA P201). Core drilling all openings included.
16. The General Work Contractor's Abatement subcontractor will remove all VAT flooring and mastic up to fixed perimeter casework. (e.g. – science rooms).
No chemical removal of mastic permitted. Any island teacher stations will be temporarily removed (disconnect any utilities), abated beneath and reinstalled by GC after new flooring is installed.
Abatement subcontractor to remove any VAT / mastic projecting beneath unit ventilators."
17. GC will install floor protections (utilizing heavy duty "Ram-Board" with taped joints, or equivalent) to protect floor surfaces from damage for all room areas and corridor access routes necessary for construction.

18. GC is specifically notified that access to any tunnels and/or crawl spaces are confined work environment and all workers must have appropriate OSHA certifications and training.
19. In addition to daily general housekeeping, the General Work Contractor (Contract No.1) shall provide a weekly broom sweep and damp mop of all areas for the entire duration of the project.
20. The GC will hire their own private utility survey company to perform underground survey at locations of new addition excavations / Sitework at HS/MS and Waverly Elementary. No compensation for utility damage due to contractors failure to properly survey.
21. The GC will install Vapor lock 20/20 additive (or equal) to new concrete slab areas to insure that new flooring can be immediately installed without moisture issues.
22. The GC is specifically notified that ALL floor areas will receive self-leveling underlayment. The thickness will vary due to varying floor slab elevations from room to room, areas where chases and walls removed, ceramic tile removed, floor abatement, grind down high spots, etc. Contractor will closely review and bid accordingly to achieve a consistent flat and level floor at no additional cost to the Owner.
23. Contractor is specifically reminded of their responsibilities for clean up as per Section 017400. Maintaining a clean jobsite is considered a safety issue and will be strictly enforced. In addition to daily cleaning, the contractor is required to hire a professional cleaning company to final clean all areas impacted by the construction. This includes completely cleaning any surfaces/equipment/furniture which has been dusted by the construction work. If the contractor does not properly perform this function when directed by the Owner/CM, within 4 hours of being notified the owner will perform the work with others and deduct the cost from the contractor.

1.5 Contract No. 2 – Mechanical Construction (MC)

In addition to the General Requirements, Division 01, included in this bid package contractor shall provide for proper completion of work as indicated on all drawings and in accordance with the terms and conditions described in the following specification sections:

DIVISION 02 - EXISTING CONDITIONS

SECTION

024119 Selective Demolition and Alteration Work

DIVISION 05 - METALS

SECTION

055000 Miscellaneous Metals (for any HVAC related supports)

DIVISION 06 - WOOD, PLASTICS AND COMPOSITES

SECTION

062000 Carpentry (for any HVAC related blocking)

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

SECTION

078413 Firestops and Smoke seals
079200 Joint Sealers

DIVISION 08 - OPENINGS

SECTION

083113	Access Doors
089000	Louvers

DIVISION 23 - HEATING, VENTILATING AND AIR CONDITIONING

SECTION

230100	Common HVAC Requirements
230102	Common HVAC Demolition Requirements
230513	Common Motor Requirements for HVAC Equipment
230515	Magnetic Motor Controllers
230517	Sleeves and Sleeve Seals for HVAC Piping
230518	Escutcheons for HVAC Piping
230529	Hangers and Supports for HVAC Piping and Equipment
230548	Vibration Controls for HVAC
230553	Identification for HVAC Piping and Equipment
230593	Testing, Adjusting, and Balancing for HVAC
230713	Duct Insulation
230719	HVAC Piping Insulation
230800	Commissioning of HVAC
230923	Instrumentation and Control for HVAC
230993	Sequence of Operations for HVAC Controls
232113	Hydronic Piping
232116	Hydronic Piping Specialties
232213	Steam and Condensate Heating Piping
232216	Steam and Condensate Heating Piping Specialties
233113	Metal Ducts
233300	Air Duct Accessories
233423	HVAC Fans
233713	Diffusers Registers and Grilles
238239	Fan Coil Units

DIVISION 26 - ELECTRICAL

SECTION

260519	Low-Voltage Electrical Power Conductors and Cables
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Special Notes: Contract No. 2 – Mechanical Construction (MC):

1. Work hours M-F 7:00AM – 4:30PM. Contractor will appropriately man the project to avoid Saturday and Overtime hours which result in Owner, Construction Manager and Architect additional costs.
2. Mechanical Contractor to carry insurance coverages per the “ Eastchester Insurance Requirements” which are located in the DIV O specification.
1. Access doors are furnished by Mechanical Contract No. 2 and installed by GC Contract No.1.
3. MC is specifically notified that access to any tunnels and/or crawl spaces are confined work environment and all workers must have appropriate OSHA certifications and training.
4. All existing ceiling removal / replacements necessary to install new MC work will be by MC Contract No.2. Includes temporary supports for light fixtures, smoke detectors, etc. (e.g. – hydronic piping, valves etc.)

5. Any wood blocking by MC items by Contract No. 2 – Mechanical Construction (MC).
6. All steel supports /angles associated with Mechanical work is by MC Contract No. 2.
7. Where GC is removing existing ceilings, the MC will remove any ceiling diffusers, registers, grilles etc. MC to reinstall as new ceilings are being completed.
8. VFD's, disconnects, starters, etc. supplied by MC will be installed by EC, unless noted otherwise.
9. MC will utilize lead-safe work practices– if impacting/ removing / disposing of any lead containing items.
10. MC Contract No.2 is responsible for making their own through wall and through floor duct/piping penetrations and associated patching/fire-stopping.
11. If any new mechanical units are too large to fit through existing openings the Mechanical contractor will either disassemble equipment into sections or remove existing construction to enlarge opening and reconstruct to match (at no additional cost).
12. Duct detectors supplied and wired by EC (MC installs the duct detector)
13. MC specifically notified construction is phased which necessitates that utilities/services will need to be temporarily connected and maintained as necessary to ensure that all occupied areas have the required services.
14. All HVAC control wiring is provided and installed by Mechanical Contract No. 2. (Power wiring by EC)
2. Contractor is specifically reminded about their responsibilities for clean-up as per section 017400. Maintaining a clean jobsite is considered a safety issue and will be strictly enforced. In addition to daily cleaning, the contractor is required to hire a professional cleaning company to final clean all areas impacted by the construction. This includes completely cleaning any surfaces/equipment/furniture which has been dusted by the construction work. If the contractor does not properly perform this function when directed by the Owner/CM within 4 hours of being notified the owner will perform the work with others and deduct the cost from the contractor.

1.6 Contract No. 3 – Electrical Construction (EC)

In addition to the General Requirements, Division 01, included in this bid package contractor shall provide for proper completion of work as indicated on all drawings and in accordance with the terms and conditions described in the following specification sections.

DIVISION 02 - EXISTING CONDITIONS

SECTION

024119 Selective Demolition and Alteration Work

DIVISION 05 - METALS

SECTION

055000 Miscellaneous Metals (for any electrical related supports)

DIVISION 06 - WOOD, PLASTICS AND COMPOSITES

SECTION

062000 Carpentry (for any electrical related blocking or plywood backboards)

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

SECTION

078413	Firestops and Smoke seals
079200	Joint Sealers

DIVISION 08 - OPENINGS

SECTION

083113	Access Doors
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DIVISION 26 - ELECTRICAL

SECTION

260500	General Requirements for Electrical Work
260519	Low-Voltage Electrical Power Conductors and Cables
260526	Grounding and Bonding for Electrical Systems
260529	Hangars and Supports for Electrical Systems
260532	Junction Boxes for Electrical Systems
260533	Raceway and Boxes for Electrical Systems
260543	Underground Ducts and Raceways for Electrical Systems
260544	Sleeves and Sleeve Seals for Electrical Raceways and Cabling
260553	Identification for Electrical Systems
260943	Network Lighting Controls
260950	Empty Conduit Systems
262416	Panelboards
262726	Wiring Devices
262816	Enclosed Switches & Circuit Breakers
265000	Temporary Light and Power
265119	LED Interior Lighting
265213	Emergency and Exit Lighting
265600	Exterior Lighting

DIVISION 27 - COMMUNICATIONS

SECTION

270000	Communications General
270526	Grounding and Bonding
270528	Pathways for Communication Systems
270553	Identification for Telecommunication System
270813	Testing Copper Cables
275123	Integrated Critical Communication System

DIVISION 28 - ELECTRONIC SAFETY AND SECURITY

SECTION

280000	Security Specification
283100	Fire Detection and Alarm

DIVISION 31 - EARTHWORK

SECTION

312000	Earth Moving (for electrical-related trenching/backfill)
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DIVISION 32 - SITE IMPROVEMENTS

SECTION

321216	Asphalt Paving (for electrical-related patching)
321313	Concrete Paving (for electrical-related patching)
329200	Turf and Grasses (for electrical-related restoration)

Special Notes: Contract No. 3 – Electrical Construction (EC):

1. Work hours M-F 7:00AM – 4:30PM. Contractor will appropriately man the project to avoid Saturday and Overtime hours which result in Owner, Construction Manager and Architect additional costs.
2. Electrical Contractor to carry insurance coverages per the “ Eastchester Insurance Requirements” which are located in the DIV O specification.
3. Any existing ceiling removal/replacement necessary to install new electrical work to be done by Electric Contract No.3. (e.g – new conduits for feeders through existing ceilings , etc)
4. VFD’s, disconnects, motor starters, etc. which are supplied by MC will be installed by EC, unless noted otherwise.
5. Electrical Contractor will submit for engineer approval, marked plans showing the wiring pathways for security and Shelter lock systems.
6. All Excavation / Backfill for electrical items (feeder conduits, site lighting bases, etc.) is by Electrical Contract No.3. This includes restoration to original condition for any impacted lawns, sidewalks, curbs, roadways, asphalt, etc.
7. Concrete Site Lighting bases are supplied and installed by EC contract No. 3.
8. Any wood blocking or panel backboards for electrical items by EC contract No.3
9. In ceiling areas which contain asbestos : Electrical contractor will review abatement drawing scope, survey the ceiling device locations with the GC’s abatement subcontractor and mark them on a drawing for record. The EC will shutdown power and decommission any systems to the abatement areas. The GC’s abatement subcontractor will then remove and clean all devices within the abatement area (FA, WAP, Speakers , Cameras, Projectors etc) so that they are certified free of contamination. The abatement contractor will also fully clean and tie-up all light fixtures so they are certified free of contamination and ready to be removed by the EC. Once final air clearance is received, the electrical contractor will remove /dispose of the cleaned fixtures which are not being reused and store / protect the temporarily removed devices. After the new ceilings are installed, the electrical contractor will reinstall and re-commission all devices (FA, WAP, Speakers , Cameras, Projectors etc).
10. In non-abatement areas where GC is removing existing ceilings, the EC will remove any ceiling mounted electrical items, Light Fixtures, FA devices, Speakers, WAP, exit signs, cameras, etc. EC to reinstall as new ceilings are being completed.
11. After GC ceiling removals for areas scheduled to receive new acoustic grid/tile, the EC will properly tie up any sagging wires at 6’ o.c. to be supported above the ceiling grid in accordance with code. Electrical Contract No. 3 is responsible to neatly tie up and secure all existing wiring after ceiling removals by others.

12. For Plumbers flushometers: the EC will install the PC provided transformer above the ceiling and install the wire to in-wall box. The EC then makes the wire connection from the electrical in -wall box to the flushometer.
13. EC will utilize lead-safe work practices – if impacting/ removing / disposing of any lead containing items.
14. Access doors are furnished by Electrical Contract No. 3 and installed by GC Contract No. 1.
15. All systems wiring reconnections are by Electric Contract No. 3 – including Fire Alarm, Door Access, Security Camera, Speakers, Data, etc.
16. All security and shelter system wiring will be roughed above acoustic ceiling grid. In areas where there is existing asbestos ceiling plaster, the Contractor will mount new security and shelter system wiring in new wiremold just below the plaster ceiling. Devices and Cameras in these asbestos locations will be wall mounted with 10 lf slack coiled for relocation above the ceiling in a future phase.
17. Electrical Contract No. 3 to provide and wire Fire Alarm duct detectors and HVAC unit shutdown connections (MC install the duct detector)
18. Electrical Contractor is specifically notified construction is phased which necessitates that utilities & services will need to be temporarily connected and maintained as necessary to ensure that all occupied areas have the required services.
19. Contractor is specifically reminded about their responsibilities for clean-up as per Section 017400. Maintaining a clean jobsite is considered a safety issue and will be strictly enforced. In addition to daily cleaning, the contractor is required to hire a professional cleaning company to final clean all areas impacted by the construction. This includes completely cleaning any surfaces/equipment/furniture which has been dusted by the construction work. If the contractor does not properly perform this function when directed by the Owner/CM within 4 hours of being notified the owner will perform the work with others and deduct the cost from the contractor.

1.7 Contract No. 4 – Window Construction Work (WC)

In addition to the General Requirements, Division 1, included in this bid package contractor shall provide for proper completion of work as indicated on all drawings and in accordance with the terms and conditions described in the following specification sections.

DIVISION 02 - EXISTING CONDITIONS

SECTION

020810	Asbestos Abatement – HS/ MS only (Dwgs H-010, H-011, H012 & H-013)
024119	Selective Demolition and Alteration Work

DIVISION 03 - CONCRETE

SECTION

034500	Architectural Precast Concrete (window sills)
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DIVISION 04 - MASONRY

SECTION

040120	Maintenance of Brick Masonry
042113	Unit Masonry

DIVISION 05 - METALS

SECTION

051200	Structural Steel (Lintels)
055000	Miscellaneous Metals

DIVISION 06 - WOOD, PLASTICS AND COMPOSITES

SECTION

062000	Carpentry (wood blocking for windows)
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DIVISION 07 - THERMAL AND MOISTURE PROTECTION

SECTION

076200	Sheet Metal Flashing
079200	Joint Sealers

DIVISION 08 - OPENINGS

SECTION

085113	Aluminum Windows (No work at Elementary Schools)
088000	Glass and Glazing

DIVISION 09 - FINISHES

SECTION

092116	Gypsum Board Assemblies (patching)
099000	Painting and Finishing

DIVISION 12 - FURNISHINGS

SECTION

122413	Window Shades
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Special Notes: Contract No. 4 – Window Construction Work (WC):

1. Work hours M-F 7:00AM – 4:30PM. Contractor will appropriately manage the project to avoid Saturday and Overtime hours which result in Owner, Construction Manager and Architect additional costs.
2. Window Contractor to carry insurance coverages per the “ Eastchester Insurance Requirements” which are located in the DIV O specification.
3. The Window Work Contractor No. 4 is responsible for all Environmental abatement work associated with the Window, Masonry, caulk & Lintel replacements as shown on Asbestos Abatement drawings (H-010, H-011, H-012 & H -013).

4. The Window Work Contractor No. 4 is responsible for all exterior masonry repairs and lintel replacements at both High School and Middle School as per the Exterior elevations drawings (WC does not have any work at Elementary Schools and HS/MS entry vestibule is by GWC).
5. Window Work Contractor No. 4 is responsible for all interior work directly related to the window replacements. (e.g. - Shade removals, wall patching repairs, interior wood trim, sills, paint patch, shade install, cleaning, etc.)
6. Window Work Contractor is notified that phasing will require multiple mobilizations and multiple crews of various subcontractors.
7. Contractor is specifically reminded of their responsibilities for clean up as per Section 017400. Maintaining a clean jobsite is considered a safety issue and will be strictly enforced. In addition to daily cleaning, the contractor is required to hire a professional cleaning company to final clean all areas impacted by the construction. This includes completely cleaning any surfaces/equipment/furniture which has been dusted by the construction work. If the contractor does not properly perform this function when directed by the Owner/CM, within 4 hours of being notified the owner will perform the work with others and deduct the cost from the contractor.

1.8 PRIME CONTRACTOR'S USE OF PREMISES

Use of the Site: Limit use of the premises to work in areas indicated. Confine operations areas within contract limits indicated. Do not disturb portions of the site beyond the areas in which the work is indicated.

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.

Existing building spaces may not be used for storage unless approved by the CM and Owner.

Time Restrictions: Working hours M-F 7:00AM – 4:30PM.

Owner's representative(s) will cover the project for the standard Monday-Friday shift. If contractor requests additional hours to make up schedule time or weekends, he will need to reimburse owner for any additional coverage or costs (e.g. – Architect, Construction Manager, etc.) at their contractual rate.

General: Limitations on site usage as well as specific requirements that impact utilization are indicated on the drawings and by other contract documents. In addition to these limitations and requirements, the Contractor shall administer allocation of available space equitably among the separate sub contractors and other entities needing access and space, so as to produce the best overall efficiency in performance of the total work of the project. The Contractor shall schedule deliveries so as to minimize space and time requirements for storage of materials and equipment on site.

After equipment is no longer required for the work, it shall be promptly removed from the project site. Protection of construction materials and equipment stored at the project site from weather, theft, damage and all other adversity is solely the responsibility of the Contractors.

Do not unreasonably encumber the site with materials or equipment. Confine stockpiling of materials and location of storage sheds to the areas indicated. If additional storage is necessary, obtain and pay for such storage off-site.

The Contractor(s) and any entity for which the Contractor is responsible shall not erect any sign of the Project site without the prior written consent of the Owner, which may be withheld in the sole discretion of the Owner.

Contractor shall ensure that the work, at all times, is performed in a manner that affords reasonable access, both vehicular and pedestrian, to the site of the work and all adjacent areas. The work shall be performed, to the fullest extent reasonably possible, in such a manner that public areas adjacent to the site of the work shall be free from all debris, building materials and equipment likely to cause hazardous conditions. Without limitation of any other provision of the Contract Documents, contractor shall use its best efforts to minimize any interference with the occupancy or beneficial use of: Any areas and buildings adjacent to the site of the work or; The Building in the event of partial occupancy.

Maintain the building in a safe and weathertight condition throughout the construction period. Repair damage caused by construction operations. Take all precautions necessary to protect the building during the construction period.

Each Prime contractor is responsible for maintaining a safe jobsite. This include actively reviewing their work areas to ensure that they are in compliance with all required OSHA regulations. It is a contract requirement that each contractor conducts weekly tool-box safety meetings to ensure that their employees are properly educated and utilizing safe work practices. (Copies of these weekly meetings and a list of the attendees will be forwarded to the CM site superintendent on a weekly basis). Contractors will comply with all requirements outlined in the General Conditions including providing their employees with PPE (personal protective equipment), such as masks, hand sanitizer for COVID, hard hats, proper work boots, safety harness, safety glasses, etc.

Smoking, drinking of alcoholic beverages or open fires will not be permitted on the project site.

Utility Outages and Shutdown:

- a. Limit disruption of utility services to hours the building is unoccupied, weekends or holidays at no additional cost.
- b. Do not disrupt or shut down life safety systems, including but not limited to fire sprinklers and fire alarm system, without 7 days' notice to Eastchester Union Free School District and authorities having jurisdiction.
- c. Prevent accidental disruption of utility services to other facilities.
- d. All costs for manning of temporary shutdowns and utility crossovers, including 24-hour fire watch if necessary, is included in the contractor's bid regardless of weekend, holiday, etc.

1.9 OCCUPANCY REQUIREMENTS

Partial owner Occupancy: The Owner reserves the right to occupy the place and install equipment in completed areas of the work prior to Substantial Completion, provided such occupancy does not interfere with completion of the Work, such placing of equipment and partial occupancy shall not constitute acceptance of the total Work.

The Architect will prepare a Certificate of Substantial Completion for each specific portion of the Work to be occupied prior to Owner occupancy.

Obtain a Certificate of Occupancy from local building officials prior to Owner occupancy.

Prior to partial Owner occupancy, mechanical and electrical systems shall be fully operational. Required inspections and tests shall have been successfully completed. Upon occupancy, the Owner will operate and maintain mechanical and electrical systems serving occupied portions of the building.

Upon occupancy, the Owner will assume responsibility for maintenance and custodial service for occupied portions of the building.

1.10 Not used

1.11 DEFINITIONS

Definitions as applied to “Contractors” involved with the work of this Project:

“The Contractor” or “Contractor” meaning that Respective Prime Contractor normally responsible for that work referenced;

“Respective Prime Contractor” meaning either the – General Contractor, Plumbing, HVAC , Electrical , Sitework, Fire Protection Contractors normally responsible for the referenced work;

“Trade Contractor” meaning that Respective Prime Contractor as above; and such other terms relating to Contractors to be taken in context with respect to referenced work.

Further, wherein said Division 0 and 1 and respective Sections therein, any reference is made to “General Contractor”, same shall be construed to mean “Contractor for the General Construction, or General Work Contractor”.

The Owner cannot guarantee the correctness of the existing conditions shown and assumes no responsibility therefore, it shall be the responsibility of the Contractor to visit the site and verify all existing conditions prior to bid.

The Owner will purchase certain items required for the overall operation of this facility through outside vendors.

The Contractor(s) will cooperate with said vendors as may be necessary to permit the work to be accomplished.

- a. The cooperation may extend to the receiving, unloading and placement of said equipment if directed by the Owner.
- b. Each Contractor is advised that the Owner may enter into separate contracts as may be in their best interest.
- c. Each Contractor is further advised that there will be a full on-site Project Representative / Construction Manager, whose duties will be defined at the pre-construction meeting.

ADDITIONAL SECURITY PROVISIONS.

1. All Contractors’ employees shall use a single means of access and egress, except in the case of emergency, to be designated by the Construction Manager.
2. Each Contractor and each Subcontractor shall require his employees, while on the job site, to wear, in a conspicuous location, a photo I.D. button bearing the name of the employee and the Contractor. The buttons of each Contractor shall be numbered consecutively. An up-to-date list of all I.D. buttons, indicating the name and number for each employee, shall be furnished to the Construction Manager.

1.12 ASBESTOS AND LEAD PAINT AWARENESS REQUIREMENTS

Contractor agrees not to use or permit the use of any asbestos containing material in or on any property belonging to the Owner.

For purposes of this requirement, asbestos free shall mean free from all forms of asbestos, including - actinolite, amosite, anthrophyhlite, chrysotile, cricidolite and tremolite, both in friable and non-friable states and without regard to the purposes for which such material is used.

1.13 CONSTRUCTION TIME AND PHASING REQUIREMENTS

Each Contractor is advised the “time is of the essence” of the Contract as defined in the “General Conditions” for the completion of the construction of the facility.

It is understood that the work is to be carried through to completion with the utmost speed consistent with good workmanship.

Time of Completion shall be as established in the Milestone Schedules (Section 011100).

The Contractor shall maintain fences and barricades at all times and shall repair/ restore and/ or pay for any temporary fencing damaged by their work.

Maintain at all times, all exits and walkways.

Where the barricade is removed for work, the Contractor performing such work shall provide adequate safety personnel to prevent unauthorized persons from approaching the work area.

Construction Phasing

The phasing and/ or milestone schedule contained in Section 011100 has been established for the overall construction of the project.

Electrical and mechanical services to the functioning spaces shall be maintained at all times.

Swing-overs to new facilities shall be made so as to cause the least interruption to the facilities’ operations.

1. The Contractor shall provide and maintain all required separations between old and new construction to prevent: Unauthorized entrance to construction areas by others than Architect, Construction Manager, or Owner, heat loss from existing building, water (rain or ground) infiltration into existing building.
2. Exterior alteration and restoration, as required, may proceed outside of phasing schedule at the Contractor’s option with concurrence from the Architect, Construction Manager and Owner.
3. Site development work shall proceed in such a manner to cause the least amount of disruption to the ongoing operations as possible.

1.14 PROOF OF ORDERS, DELIVERY DATES AND SUPPLY CHAIN TRACKING - Coordinate with Sections 013300 and 013216.

Within 2 weeks after the approval of shop drawings, samples, product data and the like, the Contractor shall provide copies of purchase orders for all equipment and materials which are not available in local stock. The Contractor shall submit written statements from suppliers confirming the orders and stating promised delivery dates. Failure to provide this critical information will result in Owner holding monthly requisition payments until received.

Due to COVID-19 and its potential to disrupt material supply-chains, the contractors are required to obtain all materials for the project and store them onsite in their individual Conex boxes. This includes general

material items typically readily available (piping, conduits, wire, metal studs, etc.). The owner will pay for these stored items delivered to the jobsite in accordance with Section 012900.

This information shall be incorporated within the progress schedules so required as part of Section 013216 and 013300 and shall be monitored so as to ensure compliance with promised dates.

1.15 FIELD MEASUREMENTS

Each Respective Contractor shall take all necessary field measurements prior to fabrication, release and installation of work and shall assume complete responsibility for accuracy of same.

1.16 INITIAL SUBMITTAL REQUIREMENTS

As outlined in Division 01, each Contractor shall provide items noted including - bonds, insurance, emergency telephone numbers, progress scheduling, schedules of submittals, subcontractor listings and the like prior to the start of any work. The owner will not issue contracts until all bonds and insurance information is received by the contractor and verified correct.

1.17 SCHEDULES

The milestone schedule presented in the documents is for bidding and general purposes. Due to the nature of the work, it is the intention of the Construction Manager to negotiate actual work periods for the project among the various Prime Contractors involved with this bidding process, as well as separate contractors involved with other phases of the work solicited under separate proposals. Each Contractor shall, under terms of the General Conditions, mutually cooperate in the rescheduling of work to permit an uninterrupted use of the facilities by the Owner, without additional cost to the Owner.

General:

1. The objective of this project is to complete the overall work in the shortest period of time and to protect the building and occupants from damages caused by weather and construction activity during the progress of the work.
2. To meet these objectives, the Contractor shall plan the work, obtain materials, and execute the construction in the most expeditious manner possible in accordance with the requirements listed below.
3. If the Contractor fails to expedite and pursue any part of the work, the Owner may terminate the contract or may carry out the work with others per the General Conditions.
4. The Contractor shall work in coordination with work of other Contractors and Owner
5. All contractors are required to comply with proper sequencing of work and provide other prime contractors sufficient time to install their work (e.g. – HVAC contractor to provide preassembled roof curbs on roof in time for the GC roofing work). If contractor “boxes out” another prime contractor, he will be directed to stop work and open if necessary, to enable other trades to complete their work. No compensation for lost time due to stop-work will be provided.

Milestone Schedule (See Section 01 11 00).

1.18 ADDITIONAL REQUIREMENTS

The following are additional general and special requirements which will govern the work of the projects covered by these Documents.

15. If it appears that some of the work cannot be completed by the scheduled date, the Contractor shall increase the work force or increase the hours of work, including evenings and weekends as necessary, and cover any additional costs to the Owner, architect and Construction Manager.
16. If the work is complete but the area is not cleaned and debris or equipment is not removed, the Owner shall have the right to prepare the area for occupancy with his own forces and deduct the costs from the Contract Amount. (If Contractor does not respond within 4 hours' notice).
17. If the Contractor fails to staff the job adequately to meet the completion date, the Owner reserves the right to assume possession of the material and complete installation with the Owner's forces or other Contractors or to require the Contractor to work evenings and weekends at no additional cost.
18. The jobsite may be made available on weekends and evenings to allow the Contractor additional time to complete the work before final completion date. Any custodial or Construction Manager costs resulting in this after-hours scheduling will be the Contractor's responsibility as their contractual hourly rate.
19. Work in each work period shall progress at least at a pace in proportion to the Contract time available.
20. The Contractor is responsible for temporary protection of all work until acceptance.
21. All existing conditions must be verified in the field. The Owner takes no responsibility for actual conditions found deviating from the drawings. If existing condition interferes with contract work, contractor is responsible to eliminate this condition.
22. Contractor must plan, provide and maintain his own access, ramping, and egress as required into and out of the site, staging of trailer(s), materials, machinery, and equipment in agreement with the Construction Manager's Superintendent. Maintain free and safe access on the jobsite for other related project personnel. Maintain safe pedestrian or vehicular traffic must be regulated by a flagman. Trucking and delivery operation should be coordinated with Construction Manager's Superintendent and all other trades.
23. Contractor is responsible for all work shown on Contract Documents, including drawings of other trade disciplines. For example, the HVAC Contractor will be responsible for HVAC work shown on Architectural Drawings.
24. Contractor is responsible to maintain existing site fencing in its existing condition. Modifications to the fence to better accommodate the contract work can be discussed with the Construction Manager. These changes shall then be handled by this contractor at his expense and in accordance with the Construction Manager's Superintendent's direction. Any cost incurred as a result of damages shall be charged to this contractor.
25. Contractor's personnel will not be permitted to use Eastchester Union Free School District's facilities (including toilet, telephone, food services, etc.) for their own benefit. Contractors' Superintendent must explain this to all their field forces.
26. Time is of the essence. Contractors' proposed schedule must be approved by the Construction Manager. Contractor shall indicate significant events such as submittals, shop drawings, material ordering, fabrication, delivery, coordination precedents, installation, testing and turnover by area or system as agreed with Construction Manager. A revised progress status shall be required on a weekly basis.
27. Decisions required from the Construction Manager, Architect and/or Engineer, shall be anticipated by the Contractor to provide ample time for inspection, investigation or detailed drawings.
28. Contractor shall limit his operations including storage of materials and prefabrication to areas within the Contract Limit Lines unless otherwise permitted by the Construction Manager at the Owner's option.

29. Contractor shall coordinate the use of premises with the Owner and Construction Manager and shall move at his own expense any stored products under Contractor's control, including excavated material, which interfere with operations of the Owner or separate contractors.
30. Contractor shall obtain and pay for the use of additional storage of work areas needed for operations.
31. Contractor shall assume full responsibility for the protection and safekeeping of products under this Contract stored on the site and shall cooperate with the Construction Manager to ensure security for the Owner's Property.
32. The intention of the work is to follow a logical sequence; however, the Contractor may be required by Construction Manager to temporarily omit or leave out any section of his work, or perform his work out of sequence. All such out of sequence work and come back time to these areas shall be performed at no additional cost.
33. Contractor shall submit a three-week schedule (man-loaded by work activity and area) to Construction Manager each week. Contractor's representative shall attend a weekly meeting with all contractors, chaired by Construction Manager, for the purpose of job coordination and sequencing. Contractor is responsible to coordinate the job with other trades and Construction Manager, and to cooperate with other trades in pursuit of the overall project's shop drawings and actively participate in resolving discrepancies, conflicts, interferences, etc.
34. Each Prime Contractor shall prepare an overall job schedule for his portion of work upon award of Contract, as per section 013216 - Construction Progress Schedule.
35. Sufficient manpower shall be provided at all times to maintain progress of the job. A shortage of labor in the industry shall not be accepted as an excuse for not properly manning the job.
36. The contractor shall take special care in verifying that his equipment matches the characteristics of the power being supplied.
37. Any contractor personnel including project managers, supervisors, etc. who engage in any personal attacks, belligerent or threatening speech/texts, etc., to the owner, or any of its agents, will be removed from working on the project.
38. Insubordination, unsafe practices, horseplay, abusive behavior or language, wanton destruction of property, use of drugs or alcohol, possession of firearms, and solicitation shall not be tolerated. There will be no warnings, and Contractor shall designate a responsible on-site supervisor to handle any situations that may arise, including termination.
39. Each contractor is responsible to supply and install all wood blocking/bracing necessary to properly secure their work. This responsibility includes coordinating the installation in concealed areas without delaying other trades.
40. Union business shall not be conducted on site. Any Union representatives that visit the site must declare what Contractor's personnel they represent, and must be escorted by that Contractor's Union steward at all times. No visitors, sales representative or non-working personnel shall be permitted on site without prior consent of the Construction Manager. No photographs shall be taken without the Construction Manager's prior approval.
41. Organize daily clean ups as well as participating in a weekly joint clean up involving all prime contractors onsite. Clean up shall be considered a safety issue. If any contractor fails to keep the site safe and brook clean within 4 hours of being notified by the Construction Manager, either verbally or in writing, the Construction Manager will have the cleanup work performed by others and will back charge accordingly.
42. Contractor shall provide protection from damage to adjacent and adjoining work and/or structures. Contractor shall clean, repair and/or replace any damage for which this contractor is responsible.
43. Contractor shall submit hourly rate sheets that would apply to time and material work for all pertinent trades upon Award of Contract.

44. Contractor shall examine surfaces and conditions prior to start of work. Report unacceptable conditions to the Construction Manager. Do not proceed until unacceptable conditions are corrected and acceptable. Starting of work implies acceptance.
45. Upon removal of exterior walls and window units, the building security and weather protection is the responsibility of the prime contractor performing the removals.
46. Each Prime Contractor shall include general housekeeping of light debris. All debris from each Prime Contractor will be collected daily and disposed of into their dumpsters. **In addition to daily general housekeeping, the General Work Contractor (Contract No.1) shall provide a weekly broom sweep and damp mop of all areas for the entire duration of the project.** The broom sweep shall include debris from all trades working on site.
47. It is the responsibilities of all Prime Contractors to review the entire summary of work and remaining documents for additional work items.
48. SLEEVES AND SLEEVE LAYOUT - It is the responsibility of the Prime Contractor requiring a sleeve to provide the sleeve and a layout sketch to the Prime Contractor performing the construction activity that the sleeve goes in.
49. Each contractor is responsible to review and become familiar with the scope of work included in all Contracts.
50. Limited site space is available in areas as designated by the Construction Manager. Construction trade parking is not permitted in Owner's employee parking lot.
51. Each contractor shall provide the engineering layout required to properly complete his work from an established working point. Contractor shall employ only competent engineering personnel skilled in performing layout tasks of similar complexity.
52. Prior to commencing the work, each Contractor shall provide written acceptance of grades, structures, substrates, and/or systems installed by other Contractors as suitable for installation of his work. Failure to provide this verification prior to commencing work shall constitute acceptance of the existing conditions.
53. Each Contractor shall coordinate with the Construction Manager for lay down areas, staging areas, and overall use of project site.
54. All contractors and their employees, subcontractors and supplier are expressly prohibited from entering the occupied areas of the school buildings during school hours without prior written permission of the Construction Manager and for using any of its facilities (i.e. restrooms, cafeteria, etc.).
55. Each contractor is responsible for the timely provision of the information required by other Contractors for the progress of other Contractors' work.
56. All contractor foremen must have working cell phone and number provided to CM.
57. No recycled import fill materials are permitted.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

END OF SECTION 011000