RENOVATIONS

OLD WOODBRIDGE FIRE STATION
4 NEWTON ROAD
WOODBRIDGE, CT 06525
BID #2018-13

S/P+A PROJECT NO. 11.147

DATE: June 6, 2018

The following changes to the Drawings and Project Specifications shall become a part of the Drawings and Project Specifications; superseding previously issued Drawings and Project Specifications to the extent modified by Addendum No. 2.

General Information:

- See attached additional RFIs. (2)
- See attached Substitution Requests. (14)
- The deadline for RFIs was Friday, June 1, 2018, end of day.
- Documents can be viewed at www.woodbridgect.org under the Government tab, Requests for Bids/Proposals.

New Specifications:

- SECTION 035416, HYDRAULIC CEMENT UNDERLAYMENT been added and is attached as part of this addendum. (3)

Changes to the Specifications:

- TABLE OF CONTENTS:
  - Page 1, Division 0 – Procurement and Contract Requirements, Pages, Prevailing Wage Rate Information, add "37".
  - Page 2, Division 3 – Concrete, add the following:

    "Section 035416 Hydraulic Cement Underlayment 3"

- PREVAILING WAGE RATE INFORMATION, actual Wage Rates, dated June 5, 2018 have been added and are attached as part of this addendum. (15)

The bid date is unchanged by this addendum.
The addendum consists of thirty-five (35) pages of 8½" x 11" text.
End of Addendum '2'

Rebecca Bouchard

From: Rebecca Bouchard
Sent: Wednesday, June 06, 2018 10:07 AM
To: 'Thomas Loveless'
Subject: RE: RFI - Old Woodbridge Fire Station Renovations

Specification will be included in forthcoming Addendum #2.

From: Thomas Loveless <thomasl@kronenbergersons.com>
Sent: Friday, June 01, 2018 3:37 PM
To: Rebecca Bouchard <rbouchard@silverpetrucelli.com>
Subject: RFI - Old Woodbridge Fire Station Renovations

Rebecca,
Please provide specifications for the self-leveling agent to be used as an exposed floor surface in Room 106.

Thanks,
Thomas Loveless
Estimator

KRONENBERGER & SONS RESTORATION, INC.
175 INDUSTRIAL PARK ROAD
MIDDLETOWN, CT 06457
860-894-1165 DIRECT
860-347-4600 OFFICE
860-343-0309 FAX
WWW.KRONENBERGERSONS.COM
Affirmative Action / Equal Opportunity Employer

Rebecca Bouchard

From: Rebecca Bouchard
Sent: Wednesday, June 06, 2018 10:30 AM
To: Thomas Loveless
Subject: RE: RFI - Old Woodbridge Fire Station Renovations

Contractor will need to include sealing and polishing as part of scope. This work is part of Add Alternate #2.

From: Thomas Loveless <thomasl@kronenbergersons.com>
Sent: Monday, June 04, 2018 11:08 AM
To: Rebecca Bouchard <rbouchard@silverpetrucelli.com>
Subject: RE: RFI - Old Woodbridge Fire Station Renovations

On drawing A4 in Room #112 the plans state "Existing slab, sealed and polished". Does that mean the existing slab already has been sealed and polished or that the contractor needs to seal and polish the existing slab?

Thanks,
Thomas Loveless
Estimator

KRONENBERGER & SONS RESTORATION, INC.
175 INDUSTRIAL PARK ROAD
MIDDLETOWN, CT 06457
860-894-1165 DIRECT
860-347-4600 OFFICE
860-343-0309 FAX
WWW.KRONENBERGERSONS.COM
Affirmative Action / Equal Opportunity Employer

SR #001

SUBSTITUTION REQUEST

(During the Bidding/Negotiating Stage)

Project: 11.147 renovations to: Old Woodbridge Fire Station

Substitution Request Number:

From: Scott Strum

To: Dave Wenchell

Date: 5-29-18

A/E Project Number: 11.147

Re: Substitution request for LULA Elevator

Contract For:

Specification Title: Conveying Equipment

Description: Limited-Use/Limited Application Elevators

Section: 142600 Page: 1-8

Article/Paragraph:

Proposed Substitution: Symmetry Elevating Solutions "Elevation" Limited-Use/Limited Application Elevator

Manufacturer: Bella Elevator Address: 10000 N Galena Rd Peoria, IL 61615 Phone: 877-375-1428

Trade Name: Symmetry Elevating Solutions Model No.: Elevation

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Scott Strum

Signed by: Scott Strum

Firm: Bella Elevator

Address: 10000 N Galena Rd

Peoria, IL 61615

Telephone: 877-375-1428

A/E's REVIEW AND ACTION

- ☐ Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- ☒ Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- ☐ Substitution rejected - Use specified materials.
- ☐ Substitution Request received too late - Use specified materials.

Signed by: R.Bouchard/D. Wenchell Date: 06.06.18

Supporting Data Attached: ☐ Drawings ☑ Product Data ☐ Samples ☐ Tests ☐ Reports ☐ _____

Form Version: January 2013
CSI Form 1.5C

SECTION 142600 - LIMITED-USE/LIMITED-APPLICATION ELEVATORS	SYMMETRY COMPARISON
PART 1 - GENERAL	
1.1 RELATED DOCUMENTS	1.1 RELATED DOCUMENTS
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.	No change
1.2 SUMMARY	1.2 SUMMARY
A. Section includes limited-use/limited-application (LU/LA) elevators.	No change
B. Related Requirements:	
1. Section 033000 "Cast-in-Place Concrete" for setting sleeves, inserts, and anchoring devices in concrete.	
2. Section 042000 "Unit Masonry" for setting sleeves, inserts, and anchoring devices in masonry.	
3. Section 099123 "Interior Painting" for field painting of hoistway entrance doors and frames.	
4. Section 096519 “Resilient Tile Flooring” for finish flooring in elevator cars.	
1.3 DEFINITIONS	1.3 DEFINITIONS
A. Definitions in ASME A17.1/CSA B44 apply to Work of this Section.	No change
B. LU/LA: Limited use/limited application.	
1.4 ACTION SUBMITTALS	1.4 ACTION SUBMITTALS
A. Product Data: Include capacities, sizes, performances, operations, safety features, finishes, and similar information. Include Product Data for car enclosures, hoistway entrances, and operation, control, and signal equipment.	No change
B. Shop Drawings:	
1. Include plans, elevations, sections, and large-scale details indicating service at each landing, machine room layout, coordination with building structure, relationships with other construction, and locations of equipment.	
2. Indicate loads imposed on building structure at points of support and power requirements.	
C. Samples: For exposed finishes of cars, hoistway doors and frames, and signal equipment; 3-inch-square Samples of sheet materials; and 4-inch lengths of running trim members.	
1.5 INFORMATIONAL SUBMITTALS	1.5 INFORMATIONAL SUBMITTALS
A. Qualification Data: For Installer.	A. No Change

B. Seismic Qualification Certificates: For elevator equipment, accessories, and components, from manufacturer. 1. Basis for Certification: Indicate whether withstand certification is based on actual test of assembled components or on calculation. 2. Dimensioned Outline Drawings of Equipment Unit: Identify center of gravity and locate and describe mounting and anchoring provisions. 3. Detailed description of equipment anchoring devices on which the certification is based and their installation requirements.	B. Available upon request: available on a site-specific basis
C. Manufacturer Certificates: Signed by elevator manufacturer certifying that hoistway, pit, and machine room layout and dimensions, as shown on Drawings, and electrical service, as shown and specified, are adequate for elevator being provided.	C. No change
D. Preinstallation Examination Report: Indicating dimensional discrepancies and conditions detrimental to performance or indicating that dimensions and conditions were found to be satisfactory.	D. Provided by installation company: No Change
E. Sample Warranty: For special warranty.	E. See attachment “Warranty”
1.6 CLOSEOUT SUBMITTALS	1.6 CLOSEOUT SUBMITTALS
A. Operation and Maintenance Data: For elevators to include in emergency, operation, and maintenance manuals. 1. Submit manufacturer's/installer's standard operation and maintenance manual, according to ASME A17.1. B. Inspection and Acceptance Certificates and Operating Permits: As required by authorities having jurisdiction, for normal, unrestricted elevator use. C. Continuing Maintenance Proposal: Provide a continuing maintenance proposal from Installer to Owner, in the form of a standard one-year maintenance agreement, starting on date initial maintenance service is concluded. State services, obligations, conditions, and terms for agreement period and for future renewal options.	No change
1.7 QUALITY ASSURANCE	1.7 QUALITY ASSURANCE No Change

A. Installer Qualifications: Elevator manufacturer or an authorized representative who is trained and approved by manufacturer.	
1.8 DELIVERY, STORAGE, AND HANDLING	1.8 DELIVERY, STORAGE, AND HANDLING
A. Deliver, store, and handle materials, components, and equipment in manufacturer's protective packaging. Store materials, components, and equipment off of ground, under cover, and in a dry location.	No change
1.9 COORDINATION	1.9 COORDINATION
A. Coordinate installation of sleeves, block outs, and items that are embedded in concrete or masonry for elevator equipment. Furnish templates and installation instructions and deliver to Project site in time for installation.	No change
B. Coordinate locations and dimensions of other work relating to LU/LA elevators including sumps and floor drains in pits; entrance subsills; electrical service; and electrical outlets, lights, and switches in hoistways, pits, and machine rooms.	
1.10 WARRANTY	1.10 WARRANTY (Exceeds original spec)
A. Manufacturer's Special Warranty: Manufacturer agrees to repair or replace elevator work that fails in materials or workmanship within specified warranty period.	A. Unit shall have a THREE (3) year limited parts warranty covering replacement of defective parts of the basic unit, including all electrical and drive system components, at no cost. Labor costs required to replace parts is not included. Preventative maintenance agreement required.
1. Failures include, but are not limited to, operation or control system failure, including excessive malfunctions; performances below specified ratings; excessive wear; unusual deterioration or aging of materials or finishes; unsafe conditions; need for excessive maintenance; abnormal noise or vibration; and similar unusual, unexpected, and unsatisfactory conditions.	B.Maintenance of a LU/LA elevator shall consist of regular cleaning, inspection, and adjustment of the unit at intervals not longer than every six (6) months. Rule 10.2.1 of ASME A17.1 requires all LU/LA elevators to be inspected every six (6) months.
2. Warranty Period: Two (2) years from date of Substantial Completion.	2.1 MANUFACTURERS
PART 2 - PRODUCTS	A. Acceptable Manufacturer: Symmetry Elevating Solutions
2.1 MANUFACTURERS	
A. Basis-of-Design Product:	
1. Garaventa Lift; **Elvoron**	
B. Manufacturers: Subject to compliance with requirements, manufacturers offering products that	may be incorporated into the Work include, but are not limited to, the following:

1. Liftavator, Inc. 2. Schumacher Elevator Corp. 3. Substitutions: Under provisions of Section 012500 “Substitution Procedures”. C. Source Limitations: Obtain elevators through one (1) source from a single manufacturer.	Website:www.symmetryelevators.com B. U.S. OWNED AND OPERATED: Manufacturer must be owned in the U.S. and operate in the U.S.
2.2 PERFORMANCE REQUIREMENTS A. Regulatory Requirements: Comply with ASME A17.1/CSA B44. B. Accessibility Requirements: Comply with requirements for LU/LA elevators in the United States Access Board's ADA-ABA Accessibility Guidelines and with ICC A117.1. C. Seismic Performance: Elevator system shall withstand the effects of earthquake motions determined according to ASCE/SEI 7 and shall comply with elevator seismic requirements in ASME A17.1/CSA B44. Refer to Structural Drawings. 1. The term "withstand" means "the system will remain in place without separation of any parts when subjected to the seismic forces specified."	2.2 PERFORMANCE REQUIREMENTS A. No Change B. No Change C. Available to accommodate site specific calculations.
2.3 SYSTEMS AND COMPONENTS A. Elevator System, General: Manufacturer's standard LU/LA elevator. Unless otherwise indicated, manufacturers' standard components shall be used, as included in standard LU/LA elevators and as required for complete system. 1. Rated Load: 1400 lb. 2. Rated Speed: 25 to 30 fpm. B. Machine Type: Hydraulic, holeless, beside the car; direct-acting hydraulic or roped hydraulic. C. Pump Units: Positive-displacement type with a maximum of ten percent (10%) variation between no load and full load and with minimum pulsations. 1. Pump shall be submersible type, suspended inside oil tank from vibration isolation mounts.	2.3 SYSTEMS AND COMPONENTS A. Change as noted 1. No change 2. Rated Speed: 30 fpm B. No change C. Hydraulic Power Unit 1. The pump shall utilize a 4 HP high efficiency, low power consumption motor 2. The pump, submerged motor and valve shall be pre-wired, ready for connection to the controller in the field 3. Acceleration, deceleration, and leveling speed controls
A. Email: customerservice@symmetryelevator.com Toll Free: 877.568.5804	3. System shall have hydraulic silencer and flexible piping connectors at pump unit. D. Hydraulic Fluid: Elevator manufacturer's standard fluid with additives as needed to prevent

oxidation of fluid, corrosion of cylinder and other components, and other adverse effects. E. Inserts: Furnish required concrete and masonry inserts and similar anchoring devices for installing guide rails, machinery, and other components of elevator work. Device installation is specified in another Section.	7. Manual emergency lowering valve shall be provided 8. Pressure gauges and pressure gauge isolation valves shell be provided 9. Manual valve isolation between pump unit and jack shall be provided 10. Negative pressure switch shall be provided 11. Testing: Shall be factory tested prior to shipment 12. Muffler shall be provided for vibration & noise damping during elevator operation
2.4 OPERATION SYSTEMS A. General: Provide manufacturer's standard microprocessor operation system for single automatic operation.	2.4 OPERATION SYSTEMS A. No change
B. Standby Power Operation: On activation of standby power, car is returned to a designated floor and parked with doors open. Car can be manually put into service on standby power, either for return operation or for regular operation, by switches in control panel located at main lobby. Manual operation causes automatic operation to cease.	B. standby power for this type of unit would be cost prohibitive—a generator for the elevator would be more cost effective.
C. Battery-Powered Lowering: When power fails, car is lowered to the lowest floor, opens its car and hoistway doors, and shuts down. System includes rechargeable battery and automatic recharging system. D. Provide automatic operation of lights and ventilation fans.	C. and D. Battery powered emergency operation system 1. Powers a light in the car 2. Powers an emergency alarm system 3. Powers a system to allow car to stop at the next available floor, then run down to the bottom floor stopping at each floor along the way. Door cycles at each landing 4. The batteries shall be re-chargeable type complete with an automatic re-charging system
4. shall be provided in the UP and Down directions. Full speed adjustment shall be provided in the Down direction only 5. Two speed operation shall be provided 6. Adjustable pressure relief valves shall be provided	E. Emergency Operation: Phase I emergency recall operation and Phase II emergency in-car operation. F. Keyswitch Operation: A key switch in the car shall be provided for in-car control of each

elevator when on Phase II of Special Emergency Service.
2.5 DOOR REOPENING DEVICES
A. Infrared Array: Provide door-reopening devices with a uniform array of 36 or more microprocessor-controlled, infrared light beams projecting across car entrance. Interruption of one or more light beams shall cause doors to stop and reopen.
2.6 CAR ENCLOSURES
A. General: Provide steel-framed car enclosures with wall panels, car roof, access doors, power door operators, and ventilation. Provide finished car including materials and finishes specified below.
B. Materials and Finishes: Manufacturer's standards, but not less than the following:
1. Floor Finish: Specified in Section 096519 "Resilient Tile Flooring".
2. Plastic-Laminate Wall Panels: Plastic laminate adhesively applied to ½ inch fireretardant-
treated particleboard with plastic-laminate panel backing and manufacturer's
standard protective edge trim. Panels have a flame-spread index of 25 or less, when tested according to ASTM E 84.

3. Sills: Extruded or machined aluminum, with grooved surface, ¼-inch-thick.
4. Metal Ceiling: Flush panels, fabricated from stainless-steel sheet.
5. Lighting: Not less than four (4) recessed low-voltage LED lamps. Provide battery backup power source with automatic charging.
a. Light Fixture Efficiency: Not less than 35 lumens/watt.
6. Handrail: 1½ inches round, satin stainless steel, No. 4 finish, on one (1) side of car.
E. and F. Add Phase 1 & 2 (CT BFD-1 1996/98)

2.5 No Change

2.6 CAR ENCLOSURES
A. No change

B.
1. Flooring by others

2. The applied panel option is manufactured with laminate bonded with contact adhesive to a ½" particleboard substrate flame spread 50, smoke developed 140. The floor and any other wood used to manufacture this elevator consists of AC plywood or particleboard that has been treated with Flame Stop® II, class "A" Fire Coat. Flame Stop ® II has been tested to the following standards: ASTM E-84, NFPA 255, UL 723, U.S. Testing #LA62466, Omega Point Laboratories #8746-108578 California registration #C-14401, LA Approval, RR#25420 CSI#09960, Flame spread 25 and smoke developed 25.

3. No change

4. No change

5. No change

Flat handrail acceptable.

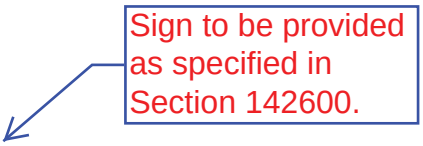
6. ½" x 2" Flat Handrail #4 SS w/ returned ends
C. Car Doors: Manufacturer's standard units complete with track systems, hardware, sills, and accessories.
1. Operation: Power-operated, automatic.
2. Type: Horizontal sliding.
3. Clear Opening Width: 36 inches.

4. Door Height: 80 inches. 5. Stainless-Steel Doors: Flush, hollow-metal construction; fabricated from stainless-steel sheet or by laminating stainless-steel sheet to exposed faces and edges of enameled cold rolled steel doors using adhesive that fully bonds metal to metal without telegraphing or oil-canning. Satin, No. 4 finish. 2.7 HOISTWAY ENTRANCES A. General: Provide manufacturer's standard door-and-frame hoistway entrances, same size as car doors, complete with track systems, hardware, sills, and accessories. 1. Operation: Power-operated, automatic. 2. Type: Horizontal sliding. B. Coordinate frame size and profile with hoistway wall construction. C. Materials and Fabrication: Manufacturer's standards, but not less than the following: 1. Stainless-Steel Frames: Formed from stainless-steel sheet; satin, No. 4 finish. 2. Stainless-Steel Doors: Flush, hollow-metal construction; fabricated from stainless-steel sheet or by laminating stainless-steel sheet to exposed faces and edges of enameled cold rolled steel doors using adhesive that fully bonds metal to metal without telegraphing or oil-canning. Satin, No. 4 finish. 3. Sills: Extruded or machined aluminum, with grooved surface, ¼-inch-thick. 4. Non-shrink, Nonmetallic Grout: Factory-packaged, non-staining, noncorrosive, nongaseous grout complying with ASTM C 1107. D. Fire-Rated Hoistway Entrance Assemblies: Door and frame assemblies shall comply with NFPA 80 and be listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction based on testing at as-close-to-neutral pressure as possible according to NFPA 252 or UL 10B.	2.7 No change
C. No change	1. Fire-Protection Rating: 1 hour. 2.8 SIGNAL EQUIPMENT A. General: Provide hall-call and car-call buttons that light when activated and remain lit until call

has been fulfilled. Provide vandal-resistant buttons and lighted elements illuminated with lightemitting
diodes.
1. Finish: Satin stainless steel, No. 4 finish.
B. Car-Control Stations: Provide manufacturer's standard car-control stations. Mount in side panel
adjacent to car door unless otherwise indicated.
1. Mark buttons and switches for function. Use both tactile symbols and Braille.
2. Provide "No Smoking" sign matching car-control station, either integral with car-control station or mounted adjacent to it, with text and graphics as required by authorities having jurisdiction.
C. Emergency Communication System: Two-way voice communication system, with visible signal, which dials preprogrammed number of monitoring station and does not require handset use. System is contained in flush-mounted cabinet, with identification, instructions for use, and
battery backup power supply.
D. Car Position Indicator: Provide digital-type position indicator in elevator car. Also, provide audible signal to indicate to passengers that car is either stopping at or passing each of the floors served. Include travel direction arrows if not provided in car-control station.
E. Hall Push-Button Stations: Wall-mounted or jamb-mounted units equipped with buttons for calling elevator and for indicating desired direction of travel where applicable.
F. Hall Lanterns: Wall-mounted or jamb-mounted units with illuminated arrows; but provide
single arrow at terminal landings.
G. Hall Annunciator: With each hall lantern, provide audible signals indicating car arrival and direction of travel. Signals sound once for up and twice for down.
1. At manufacturer's option, audible signals may be placed on car.

2.8 SIGNAL EQUIPMENT
A. No change

B. See below.
1. No change



2. “No Smoking” sign provided by others

C. No change except there is a single push button that will autodial a predefined phone number, if busy, alternative phone number(s) will be dialed sequentially. The phone is integrated into the COP.

D. No change

E. No change

F. No Changes except: provided on the car door return, not the landing doorjamb.

G. no changes

H. Emergency Pictorial Signs: Fabricate from materials matching hall push-button stations, with

text and graphics as required by authorities having jurisdiction, indicating that in case of fire, elevators are out of service and exits should be used instead. Provide one sign at each hall pushbutton station unless otherwise indicated.	
2.9 FINISH MATERIALS A. Cold-Rolled Steel Sheet: ASTM A 1008, commercial steel, Type B, exposed, matte finish. B. Stainless-Steel Sheet: ASTM A 240, Type 304. C. Stainless-Steel Bars: ASTM A 276, Type 304. D. Stainless-Steel Tubing: ASTM A 554, Grade MT 304. E. Aluminum Extrusions: ASTM B 221, Alloy 6063. F. Plastic Laminate: High-pressure type complying with NEMA LD 3, Type HGS for flat applications. Color as selected by Architect and Owner from manufacturer's full range.	2.9 FINISH MATERIALS No changes
3.1 EXAMINATION A. Examine elevator areas, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work. Verify critical dimensions and examine supporting structure and other conditions under which elevator work is to be installed. B. Prepare written report, endorsed by Installer, listing conditions detrimental to performance of the Work. C. Proceed with installation only after unsatisfactory conditions have been corrected.	3.1 EXAMINATION No changes
3.2 A. Install cylinder plumb and accurately located for elevator car position and travel. Anchor securely in place, supported at pit floor and braced at intervals as needed to maintain alignment. Anchor cylinder guides at spacing needed to maintain alignment and avoid overstressing guides.	3.2 INSTALLATION No Changes
H. No change	B. Sound Isolation: Mount rotating and vibrating equipment on vibration-isolating mounts to

minimize vibration transmission to structure and structure-borne noise from elevator system. C. Lubricate operating parts of systems as recommended by manufacturers. D. Alignment: Coordinate installation of hoistway entrances with installation of elevator guide rails for accurate alignment of entrances with car. Reduce clearances to minimum, safe, workable dimension at each landing. E. Leveling Tolerance: ¼-inch, up or down, regardless of load and direction of travel. F. Set sills flush with finished floor surface at landing. Fill space under sill solidly with nonshrink, nonmetallic grout. G. Locate hall lanterns either above or beside hoistway entrance at a minimum of 72 inches above finished floor unless hall lanterns are built into entrance frames.	
3.3 FIELD QUALITY CONTROL A. Acceptance Testing: On completion of elevator installation and before permitting elevator use, perform acceptance tests as required and recommended by ASME A17.1/CSA B44 and by authorities having jurisdiction. B. Advise Owner, Architect, and authorities having jurisdiction in advance of dates and times that tests are to be performed.	3.3 FIELD QUALITY CONTROL No Changes
3.4 DEMONSTRATION A. Engage a factory-authorized service representative to train Owner's maintenance personnel to operate, adjust, and maintain elevator(s). B. Check operation of elevator with Owner's personnel present before date of Substantial Completion and again not more than one (1) month before end of warranty period. Determine that operation systems and devices are functioning properly.	3.4 DEMONSTRATION No Changes
3.5 MAINTENANCE SERVICE A. Initial Maintenance Service: Beginning at Substantial Completion, maintenance service shall	3.5 MAINTENANCE SERVICE No Changes
	include one (1) year’s full maintenance by skilled employees of elevator Installer. Include

monthly preventive maintenance, repair or replacement of worn or defective components, lubrication, cleaning, and adjusting as required for proper elevator operation. Parts and supplies shall be manufacturer's authorized replacement parts and supplies.
1. Perform maintenance during normal working hours.
2. Include 24-hour-per-day, 7-day-per-week emergency callback service with response time of two (2) hours or less.

Manufacturer's Limited Warranty

Elevation LU/LA Symmetry Elevator

Symmetry Elevating Solutions warrants the Elevation LU/LA Elevator for three years to the original purchaser only. The warranty commences from the date of shipment. The Elevation Elevator shall be free of defects in material and workmanship. The warranty card must be returned to Symmetry Elevating Solutions within 30 days from the date of original purchase in order for this Limited Warranty to go into effect. This Limited Warranty will not be applicable if the Elevation Elevator has not been installed by a Symmetry Elevating Solutions factory authorized dealer.

Symmetry Elevating Solutions and its dealer shall not be liable for any consequential, special, or incidental damages arising out of the purchase or use of the unit resulting from a breach of the Limited Warranty or any implied warranty. The limit of liability to Symmetry Elevating Solutions and its dealer hereunder shall be the unit's purchase price. In states where limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages or legal remedies, the above mentioned limitations may not apply.

When making a claim, immediately send the dealer who sold you the unit a notice of your claim. All claims must be received within the warranty time period. Any parts with defects in materials or workmanship will be replaced without charge. This is a materials only replacement. Labor and /or service charges incurred in the repair or replacement of a defective part are not included in the Limited Warranty. All parts used to replace defective materials must be genuine Symmetry Elevating Solutions in order to be covered by the Limited Warranty.

The following are examples of items not covered by this Limited Warranty:

1. Damage during shipment, which is the responsibility of the carrier.
2. Damage due to misuse, neglect, improper assembly, installation, operation, care or maintenance.
3. Damage due to fire, floods or other acts of God or ordinary wear and tear.
4. Minor mechanical adjustments such as tightening of nuts, bolts and screws.

Bella Elevator LLC
10000 North Galena Road
Peoria, IL 61615
Phone (309) 689-8090
Fax (309) 689-8091

August 25, 2016

To whom it may concern,

The Symmetry Elevation Limited Use / Limited Access Commercial Elevator equipment is designed and manufactured to meet the requirements of ASME A17.1, ASME A17.5, ANSI A117.1, and IBC chapter 30.

The electrical controls have been independently tested by Intertek NA which is a nationally recognized testing laboratory and bear the "ETL Listed" mark certifying conformance to ASME A17.5 / CSA B44.1.

Sincerely,

Kevin L Heyungs
Engineering Manager

SECTION 035416 - HYDRAULIC CEMENT UNDERLAYMENT

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

A. Section includes polymer-modified, self-leveling, hydraulic cement underlayment.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Shop Drawings: Include plans indicating substrates, locations, and average depths of underlayment based on survey of substrate conditions.

1.4 INFORMATIONAL SUBMITTALS

A. Qualification Data: For Installer.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: Installer who is approved by manufacturer for application of underlayment products required for this Project.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Store materials to comply with manufacturer's written instructions to prevent deterioration from moisture or other detrimental effects.

1.7 FIELD CONDITIONS

A. Environmental Limitations: Comply with manufacturer's written instructions for substrate temperature, ventilation, ambient temperature and humidity, and other conditions affecting underlayment performance.

1. Place hydraulic cement underlayments only when ambient temperature and temperature of substrates are between 50 and 80 deg F (10 and 27 deg C).

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Fire-Resistance Ratings: Comply with ASTM E 119; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

1. Indicate design designations from UL's "Fire Resistance Directory" or from the listings of another qualified testing agency.

2.2 HYDRAULIC CEMENT UNDERLAYMENTS

A. Hydraulic Cement Underlayment: Polymer-modified, self-leveling, hydraulic cement product that can be applied in minimum uniform thickness of ¼-inch and that can be feathered at edges to match adjacent floor elevations.

1. Basis-of-Design:

a. Ardex Americas; **Ardex K 520**

2. Acceptable Manufacturers: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:

a. Euclid Chemical Company (The)
b. Maxxon Corporation
c. USG Corporation
d. Substitutions: Under provisions of Section 012500 “Substitution Procedures”.

3. Cement Binder: ASTM C 150, Portland cement, or hydraulic or blended hydraulic cement as defined by ASTM C 219.
4. Compressive Strength: Not less than 6000 psi at twenty-eight (28) days when tested according to ASTM C 109.

B. Aggregate: Well-graded, washed gravel, 1/8- to ¼-inch; or coarse sand as recommended by underlayment manufacturer.

1. Provide aggregate when recommended in writing by underlayment manufacturer for underlayment thickness required.

C. Water: Potable and at a temperature of not more than 70 deg F (21 deg C).

D. Primer: Product of underlayment manufacturer recommended in writing for substrate, conditions, and application indicated.

E. Surface Sealer: Designed to reduce porosity as recommended by manufacturer for type of floor covering to be applied to underlayment.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, with Installer present, for conditions affecting performance of the Work.

B. Proceed with application only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. General: Prepare and clean substrate according to manufacturer's written instructions.

1. Treat nonmoving substrate cracks according to manufacturer's written instructions to prevent cracks from telegraphing (reflecting) through underlayment.
2. Fill substrate voids to prevent underlayment from leaking.

B. Concrete Substrates: Mechanically remove, according to manufacturer's written instructions, laitance, glaze, efflorescence, curing compounds, form-release agents, dust, dirt, grease, oil, and other contaminants that might impair underlayment bond.

1. Moisture Testing: Perform anhydrous calcium chloride test, ASTM F 1869. Proceed with installation only after substrates do not exceed a maximum moisture-vapor-emission rate of 3 lb of water/1000 sq. ft. in 24 hours.

C. Adhesion Tests: After substrate preparation, test substrate for adhesion with underlayment according to manufacturer's written instructions.

3.3 APPLICATION

A. General: Mix and apply underlayment components according to manufacturer's written instructions.

1. Close areas to traffic during underlayment application and for time period after application recommended in writing by manufacturer.
2. Coordinate application of components to provide optimum adhesion to substrate and between coats.
3. At substrate expansion, isolation, and other moving joints, allow joint of same width to continue through underlayment.

B. Apply primer over prepared substrate at manufacturer's recommended spreading rate.

C. Apply underlayment to produce uniform, level surface.

1. Apply a final layer without aggregate to product surface.
2. Feather edges to match adjacent floor elevations.

D. Cure underlayment according to manufacturer's written instructions. Prevent contamination during application and curing processes.

E. Do not install floor coverings over underlayment until after time period recommended in writing by underlayment manufacturer.

F. Apply surface sealer at rate recommended by manufacturer.

G. Remove and replace underlayment areas that evidence lack of bond with substrate, including areas that emit a "hollow" sound when tapped.

3.4 PROTECTION

A. Protect underlayment from concentrated and rolling loads for remainder of construction period.

END OF SECTION 035416

Minimum Rates and Classifications for Building Construction

ID# : B 24862

Connecticut Department of Labor
Wage and Workplace Standards Division

By virtue of the authority vested in the Labor Commissioner under provisions of Section 31-53 of the General Statutes of Connecticut, as amended, the following are declared to be the prevailing rates and welfare payments and will apply only where the contract is advertised for bid within 20 days of the date on which the rates are established. Any contractor or subcontractor not obligated by agreement to pay to the welfare and pension fund shall pay this amount to each employee as part of his/her hourly wages.

Project Number: 2018-13
Project Town: Woodbridge
State#:
FAP#:

Project: Old Woodbridge Fire Station Renovation

CLASSIFICATION	Hourly Rate	Benefits
1a) Asbestos Worker/Insulator (Includes application of insulating materials, protective coverings, coatings, & finishes to all types of mechanical systems; application of firestopping material for wall openings & penetrations in walls, floors, ceilings	38.25	27.96
1b) Asbestos/Toxic Waste Removal Laborers: Asbestos removal and encapsulation (except its removal from mechanical systems which are not to be scrapped), toxic waste removers, blasters.**See Laborers Group 7**		
1c) Asbestos Worker/Heat and Frost Insulator	39.00	28.76

As of: **Tuesday, June 05, 2018**

2) Boilermaker	38.34	26.01
3a) Bricklayer, Cement Mason, Concrete Finisher (including caulking), Stone Masons	33.48	32.06 + a
3b) Tile Setter	34.90	25.87
3c) Terrazzo Mechanics and Marble Setters	31.69	22.35
3d) Tile, Marble & Terrazzo Finishers	26.70	21.75
3e) Plasterer	33.48	32.06

As of: **Tuesday, June 05, 2018**

Project: Old Woodbridge Fire Station Renovation

------LABORERS------

4) Group 1: Laborers (common or general), acetylene burners, carpenter tenders, concrete specialists, wrecking laborers, fire watchers.	30.05	20.10
4a) Group 2: Mortar mixers, plaster tender, power buggy operators, powdermen, fireproofer/mixer/nozzleman (Person running mixer and spraying fireproof only).	30.30	20.10
4b) Group 3: Jackhammer operators/pavement breaker, mason tender (brick), mason tender (cement/concrete), forklift operators and forklift operators (masonry).	30.55	20.10
4c) **Group 4: Pipelayers (Installation of water, storm drainage or sewage lines outside of the building line with P6, P7 license) (the pipelayer rate shall apply only to one or two employees of the total crew who primary task is to actually perform the mating of pipe sections) P6 and P7 rate is $26.80.	30.55	20.10
4d) Group 5: Air track operator, sand blaster and hydraulic drills.	30.55	20.10

4e) Group 6: Blasters, nuclear and toxic waste removal.	31.80	20.10
4f) Group 7: Asbestos/lead removal and encapsulation (except it's removal from mechanical systems which are not to be scrapped).	31.05	20.10
4g) Group 8: Bottom men on open air caisson, cylindrical work and boring crew.	28.38	20.10
4h) Group 9: Top men on open air caisson, cylindrical work and boring crew.	27.86	20.10
4i) Group 10: Traffic Control Signalman	16.00	20.10
5) Carpenter, Acoustical Ceiling Installation, Soft Floor/Carpet Laying, Metal Stud Installation, Form Work and Scaffold Building, Drywall Hanging, Modular-Furniture Systems Installers, Lathers, Piledrivers, Resilient Floor Layers.	32.60	25.34

As of: **Tuesday, June 05, 2018**

5a) Millwrights	33.14	25.74
6) Electrical Worker (including low voltage wiring) (Trade License required: E1,2 L-5,6 C-5,6 T-1,2 L-1,2 V-1,2,7,8,9)	37.50	26.31+3% of gross wage
7a) Elevator Mechanic (Trade License required: R-1,2,5,6)	51.71	32.645+a+b
-----LINE CONSTRUCTION----		
Groundman	26.50	6.5% + 9.00
Linemen/Cable Splicer	48.19	6.5% + 22.00

As of: **Tuesday, June 05, 2018**

8) Glazier (Trade License required: FG-1,2)	36.28	20.45 + a
9) Ironworker, Ornamental, Reinforcing, Structural, and Precast Concrete Erection	35.47	33.39 + a
----OPERATORS----		
Group 1: Crane handling or erecting structural steel or stone, hoisting engineer 2 drums or over, front end loader (7 cubic yards or over), work boat 26 ft. and over and Tunnel Boring Machines. (Trade License Required)	39.55	24.05 + a
Group 2: Cranes (100 ton rate capacity and over); Excavator over 2 cubic yards; Piledriver ($3.00 premium when operator controls hammer); Bauer Drill/Caisson. (Trade License Required)	39.23	24.05 + a
Group 3: Excavator; Backhoe/Excavator under 2 cubic yards; Cranes (under 100 ton rated capacity), Grader/Blade; Master Mechanic; Hoisting Engineer (all types of equipment where a drum and cable are used to hoist or drag material regardless of motive power of operation), Rubber Tire Excavator (Drott-1085 or similar);Grader Operator; Bulldozer Fine Grade. (slopes, shaping, laser or GPS, etc.). (Trade License Required)	38.49	24.05 + a

As of: **Tuesday, June 05, 2018**

Group 4: Trenching Machines; Lighter Derrick; Concrete Finishing Machine; CMI Machine or Similar; Koehring Loader (Skooper).	38.10	24.05 + a
Group 5: Specialty Railroad Equipment; Asphalt Paver; Asphalt Reclaiming Machine; Line Grinder; Concrete Pumps; Drills with Self Contained Power Units; Boring Machine; Post Hole Digger; Auger; Pounder; Well Digger; Milling Machine (over 24" Mandrell)	37.51	24.05 + a
Group 5 continued: Side Boom; Combination Hoe and Loader; Directional Driller; Pile Testing Machine.	37.51	24.05 + a
Group 6: Front End Loader (3 up to 7 cubic yards); Bulldozer (rough grade dozer).	37.20	24.05 + a
Group 7: Asphalt roller, concrete saws and cutters (ride on types), vermeer concrete cutter, Stump Grinder; Scraper; Snooper; Skidder; Milling Machine (24" and under Mandrell).	36.86	24.05 + a
Group 8: Mechanic, grease truck operator, hydroblaster; barrier mover; power stone spreader; welding; work boat under 26 ft.; transfer machine.	36.46	24.05 + a

As of: **Tuesday, June 05, 2018**

Group 9: Front end loader (under 3 cubic yards), skid steer loader regardless of attachments, (Bobcat or Similar): forklift, power chipper; landscape equipment (including Hydroseeder).	36.03	24.05 + a
Group 10: Vibratory hammer; ice machine; diesel and air, hammer, etc.	33.99	24.05 + a
Group 11: Conveyor, earth roller, power pavement breaker (whiphammer), robot demolition equipment.	33.99	24.05 + a
Group 12: Wellpoint operator.	33.93	24.05 + a
Group 13: Compressor battery operator.	33.35	24.05 + a
Group 14: Elevator operator; tow motor operator (solid tire no rough terrain).	32.21	24.05 + a

Group 15: Generator Operator; Compressor Operator; Pump Operator; Welding Machine Operator; Heater Operator.	31.80	24.05 + a
Group 16: Maintenance Engineer/Oiler.	31.15	24.05 + a
Group 17: Portable asphalt plant operator; portable crusher plant operator; portable concrete plant operator.	35.46	24.05 + a
Group 18: Power safety boat; vacuum truck; zim mixer; sweeper; (Minimum for any job requiring a CDL license).	33.04	24.05 + a
------PAINTERS (Including Drywall Finishing)------		
10a) Brush and Roller	32.72	20.45

As of: **Tuesday, June 05, 2018**

10b) Taping Only/Drywall Finishing	33.47	20.45
10c) Paperhanger and Red Label	33.22	20.45
10e) Blast and Spray	35.72	20.45
11) Plumber (excluding HVAC pipe installation) (Trade License required: P-1,2,6,7,8,9 J-1,2,3,4 SP-1,2)	41.62	30.36
12) Well Digger, Pile Testing Machine	37.26	24.05 + a
Roofer: Cole Tar Pitch	41.00	16.50 + a

As of: **Tuesday, June 05, 2018**

Roofer: Slate, Tile, Composition, Shingles, Singly Ply and Damp/Waterproofing	39.50	16.50 + a
15) Sheetmetal Worker (Trade License required for HVAC and Ductwork: SM-1,SM-2,SM-3,SM-4,SM-5,SM-6)	37.18	35.29
16) Pipefitter (Including HVAC work) (Trade License required: S-1,2,3,4,5,6,7,8 B-1,2,3,4 D-1,2,3,4, G-1, G-2, G-8 & G-9)	41.62	30.36
------TRUCK DRIVERS------		
17a) 2 Axle	29.13	22.32 + a
17b) 3 Axle, 2 Axle Ready Mix	29.23	22.32 + a

As of: **Tuesday, June 05, 2018**

17c) 3 Axle Ready Mix	29.28	22.32 + a
17d) 4 Axle, Heavy Duty Trailer up to 40 tons	29.33	22.32 + a
17e) 4 Axle Ready Mix	29.38	22.32 + a
17f) Heavy Duty Trailer (40 Tons and Over)	29.58	22.32 + a
17g) Specialized Earth Moving Equipment (Other Than Conventional Type on-the-Road Trucks and Semi-Trailers, Including Euclids)	29.38	22.32 + a
18) Sprinkler Fitter (Trade License required: F-1,2,3,4)	43.92	15.84 + a

19) Theatrical Stage Journeyman	25.76	7.34

Project: Old Woodbridge Fire Station Renovation

Welders: Rate for craft to which welding is incidental.

**Note: Hazardous waste removal work receives additional $1.25 per hour for truck drivers.*

***Note: Hazardous waste premium $3.00 per hour over classified rate*

ALL Cranes: When crane operator is operating equipment that requires a fully licensed crane operator to operate he receives an extra $4.00 premium in addition to the hourly wage rate and benefit contributions:

1) Crane handling or erecting structural steel or stone; hoisting engineer (2 drums or over)

2) Cranes (100 ton rate capacity and over) Bauer Drill/Caisson

3) Cranes (under 100 ton rated capacity)

Crane with 150 ft. boom (including jib) - $1.50 extra
Crane with 200 ft. boom (including jib) - $2.50 extra
Crane with 250 ft. boom (including jib) - $5.00 extra
Crane with 300 ft. boom (including jib) - $7.00 extra
Crane with 400 ft. boom (including jib) - $10.00 extra

All classifications that indicate a percentage of the fringe benefits must be calculated at the percentage rate times the "base hourly rate".

Apprentices duly registered under the Commissioner of Labor's regulations on "Work Training Standards for Apprenticeship and Training Programs" Section 31-51-d-1 to 12, are allowed to be paid the appropriate percentage of the prevailing journeymen hourly base and the full fringe benefit rate, providing the work site ratio shall not be less than one full-time journeyperson instructing and supervising the work of each apprentice in a specific trade.

The Prevailing wage rates applicable to this project are subject to annual adjustments each July 1st for the duration of the project.

Each contractor shall pay the annual adjusted prevailing wage rate that is in effect each July 1st, as posted by the Department of Labor.

It is the contractor's responsibility to obtain the annual adjusted prevailing wage rate increases directly from the Department of Labor's website.

The annual adjustments will be posted on the Department of Labor's Web page: www.ct.gov/dol. For those without internet access, please contact the division listed below.

The Department of Labor will continue to issue the initial prevailing wage rate schedule to the Contracting Agency for the project.

All subsequent annual adjustments will be posted on our Web Site for contractor access.

Contracting Agencies are under no obligation pursuant to State labor law to pay any increase due to the annual adjustment provision.

As of: **Tuesday, June 05, 2018**

Project: Old Woodbridge Fire Station Renovation

Effective October 1, 2005 - Public Act 05-50: any person performing the work of any mechanic, laborer, or worker shall be paid prevailing wage

All Person who perform work ON SITE must be paid prevailing wage for the appropriate mechanic, laborer, or worker classification.

All certified payrolls must list the hours worked and wages paid to All Persons who perform work ON SITE regardless of their ownership i.e.: (Owners, Corporate Officers, LLC Members, Independent Contractors, et. al)

Reporting and payment of wages is required regardless of any contractual relationship alleged to exist between the contractor and such person.

~~Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clause (29 CFR 5.5 (a) (1) (ii)).

Please direct any questions which you may have pertaining to classification of work and payment of prevailing wages to the Wage and Workplace Standards Division, telephone (860)263-6790.

As of: **Tuesday, June 05, 2018**