Page 1 of 1



Request for Quote

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS ONE CAPITOL HILL PROVIDENCE RI 02908

BUYER: Cadoret, David PHONE #: 401-574-8131

DOA CONTROLLER
ONE CAPITOL HILL, 4TH FLOOR

L SMITH ST PROVIDENCE, RI 02908

T US

Requistion Number: 1530964

CREATION DATE: 18-OCT-17

BID NUMBER: 7565537,1

TITLE: SECURITY DOOR UPGRADES AT SEVEN LOCATIONS-MILITIA

BLANKET START: 01-NOV-17 **BLANKET END**: 30-JUN-18

BID CLOSING DATE AND TIME:03-NOV-2017 02:00:00

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H
MS SPECIAL INSTRUCTIONS
SEE BELOW
SEE BELOW, RI N/A
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O

Note to Bidders: Questions concerning this solicitation may be e-mailed to the Division of Purchases at doa.purbidinfo@purchasing.ri.gov no later than October 17, 2017 at 5pm. Please reference the RFQ number on all correspondence. Questions should be submitted in a Microsoft word attachment. Answers to questions received, if any, will be posted on the internet as an addendum to this solicitation (www.purchasing.ri.gov). It is the responsibility of all interested parties to download this information.

Amendment Description: SEE ATTACHED SHEET FOR EXPLANATION OF ADDENDUM.

Line Description Quantity Unit Price Total

1 RETROFIT OF DOORS AT EXISTING BUILDINGS TO COMPLY WITH ATFP REQUIREMENTS AS PER ATTACHED SPECIFICATIONS. BID A TOTAL PRICE.

Delivery:		
Torms of Dovmont:		
Terms of Payment:		

Department of Administration DIVISION OF PURCHASES One Capitol Hill Providence, RI 02908-5855 Tel: (401) 574-8100 Fax: (401) 574-8387

Website: www.purchasing.ri.gov

October 18, 2017 ADDENDUM NUMBER ONE RFO # 7565537

TITLE: SECURITY DOOR UPGRADES AT SEVEN LOCATIONS-MILITIA Closing Date and Time: 11/03/17 AT 2:00PM (Note Change)

Per the issuance of this ADDENDUM #1 (27 pages) the following is noted:

Please be advised the Bid Closing Date and Time has been extended:

From: 10/27/17 at 10:00am To: 11/03/17 at 2:00PM

Be advised that an additional armory is being added to this bid. There will be a mandatory pre-bid conference on Tuesday, 10/24/17, at 1pm. This pre-bid conference is only for the three vendors who attended the previous conferences. Those vendors are:

Globex

Marino Construction

Advanced Building Concepts

Vendors MUST attend this pre-bid conference in order to bid this project.

The pre-bid conference will be held at:

The Middletown Armory 106 Airport Access Road Middletown, RI 02840

This addendum posts sign in sheets from previous mandatory pre-bid conferences.

This addendum posts a revised Scope of Work.

This addendum posts notes/clarifications from pre-bid conferences already held.

This addendum posts answers to questions sent in on line and accept until 10/17/17 at 5pm.

As noted by buyer:

-These are mandatory pre-bid conferences:

Only those vendors on the sign in sheet will be allowed to submit proposals. Vendors will be required to sign in at all locations. There are 3 locations today and 4 tomorrow.

- -Questions are being accepted on line until 10/17/17 at 5pm. The email address and instructions how to submit questions is on the bid proposal.
 - -Bid bond is required
 - -Performance bond is required

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TITLE: SECURITY DOOR UPGRADES AT SEVEN LOCATIONS-MILITIA

- -Specifications are posted on the website.
- -This is a public works project and as such requires a CD be submitted along with the paper copy of your bid. Instructions on how to do that are included in the bid package.
 - -Please note the clauses that pertain to public works projects.
- -This is a prevailing wage project. Note the certification within the bid package that acknowledges you are aware of your obligations as they pertain to prevailing wage.
- -Included is a bid preparation check list to help you. It is not a substitute for a thorough review of the instructions to bidders.
- -We are also asking that you submit a new state w-9. The state form is different from the federal form.
- -All vendors will be required to submit a BCI check for each employee working on site. This will be at the vendor expense.

General notes/clarifications from pre-bid conferences:

Working hours at all locations will be 7:30 to 5 Tuesday through Friday. Work schedule to be coordinated with agency representative.

Agency is requesting that all doors be removed as carefully as possible as it may be able to utilize doors/parts at other locations.

All double doors will have mullion in the middle.

All doors are glass (per specifications) on top and be solid on the bottom (per specifications).

Vendor is responsible to run power to doors not having any power. It is not responsible for making any connections.

Doors are to be adjusted to the minimum amount of force required to close door.

Specific notes/clarifications from pre-bid conferences:

Bristol:

Front Door: Double doors. Power existing.

Rear Door: Single door. Power needs to be run.

Warren FMS:

Front Door: Single door. Power existing.

Rear Door: Single door. Power needs to be run.

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October 18, 2017 ADDENDUM NUMBER ONE RFQ # 7565537

TITLE: SECURITY DOOR UPGRADES AT SEVEN LOCATIONS-MILITIA

Warren Armory:

Front Door: Single door. Needs conduit run. 400 feet estimate for bidding purposes.

Rear Door: Single door.

Sun Valley Armory:

Front Door: Double Door. Has power.

Rear Door: Single door. Power needs to be supplied. 140 feet estimate for bidding

purposes.

Schofield Armory:

Front Door: Double door. Needs power run. 150 feet estimate for bidding purposes. Will need penetration at top for emergency lighting. Assume there is panel space available.

Back Door: Needs power run.

Warwick Armory:

Front Door (door need overhead door): Double door. Needs power run. 80 feet estimate for bidding purposes.

Back Door (under awning): Double door. Needs power run. 150 feet estimate for bidding purposes.

AMC:

Front door: Single door. Has power.

Back door: Single door. Needs power run. 100 feet estimate for bidding purposes.

Camp St (this was added on during pre bid conference):

Front Door (Stenton St): Single door. Needs power run. 20 feet estimate for bidding purposes.

Rear Door (Camp St side): Single door. Has power. Door is to be scrapped.

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October 18, 2017 ADDENDUM NUMBER ONE RFQ # 7565537

TITLE: SECURITY DOOR UPGRADES AT SEVEN LOCATIONS-MILITIA

Answers to questions submitted on line:

Q With regard to disconnecting any existing electrified hardware, cameras, intercoms, etc. during demolition of existing doors and frames, will the same limits of work scope be in place for removal of said devices as has been outlined for installation of these types of devices?

A. FMO / ESS personnel will be dissembling the existing electronic hardware (Camera AI-Phone, keypads, etc) The only hardware that will be mounted on the door when the contractors remove the doors and frames will be the exterior handles, locks, door closers and push bars. The ability to reuse these items and possibly the door itself will save the government / taxpayers' money.

- Q. Is the scope of work of this RFP limited to replacing the existing doors and frames only, which is understood to include all existing transoms and sidelights, whether ballistic glazing or opaque ballistic panels?
- A. The scope of work is limited to the replacement of the doors and bringing in the AC power to a junction box above the doorway, and providing power to the door frame according to the manufacturer's instructions. (see typical diagrams)
- Q. In reference to the door hardware listed in "Enclosure 5, Part 2-Product, 2.10-Additional Hardware, Section B. Door Stops and Holders" (5.2.10.B):
 - a. Can you specify a door stop
 - b. Can you describe what you are looking for in a door holder, what function?
 - A. FMO cannot specify a particular brand of door holder or stop.
 - a. The LCN 4000-series door closers have a detent in its function known as Hold-Open. (FMO is not looking to place a maglock that releases upon an alarm as these are exterior doors and should always be closed) The appropriate rated LCN-4000 series closer for the doors chosen from the selection guide link below... http://us.allegion.com/content/dam/allegion-us-2/web-documents-

2/Catalog/LCN 4000 Series Surface Mounted Closers Catalog Section 109509.pdf

b. The door stop would have to be robust enough to mount to the bottom of the door and not cause damage to the door when in use. The door stop would be a redundant feature with the door holding function of the closer.

The FMO / ESS are not authorized to place automatic or push-button electric door openers on these doorways.

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October 18, 2017 ADDENDUM NUMBER ONE RFQ # 7565537 TITLE: SECURITY DOOR UPGRADES AT SEVEN LOCATIONS-MILITIA

Question regarding key issue brought up at pre-bid conference:

The ARNG ESS Project Manager stated that the use of physical keys are required to have redundant security and accessibility.

Locks shall meet the criteria written in the SOW, and should meet UL 437 spec for locks and keys. At each separate facility, the keys to the locks must be keyed alike. 8 sets of keyed alike doors; 12 Keys per armory. End-User Open Keyway for control of system and future maintenance needs. UL 437 spec locks and keys. Manufacturer must have current patent on the lockset. Enclosure 5: PART 2 – PRODUCT > 2.5 HARDWARE > B > a

Mandatory Pre-bid Conference: Any vendor who intends to submit a bid proposal in response to this solicitation must have its representative attend this mandatory prebid conference, sign, and complete all required information on this Sign-In Sheet. Failure to comply with this requirement will result in the rejection of any bid proposal.

BID TITLE: SECURITY DOOR UPGRADES AT SEVEN LOCATIONS-MILITIA PRE-BID DATE AND TIME: 10/12/17 AT 10AM BID NUMBER: 7565537

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Page 1 of 2

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PRE-BID DATE AND TIME: 19/12/17 AT 10AM	BID NUMBER: 7565537 BID TITLE: SECURITY DOOR UPGRADES AT SEVEN LOCATIONS-MILITIA
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BID TITLE: SECURITY DOOR UPGRADES AT SEVEN LOCATIONS-MILITIA PRE-BID DATE AND TIME: 10/12/17 AT 10AM BID NUMBER: 7565537

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BID NUMBER: 7565537 BID TITLE: SECURITY DOOR UPGRADES AT SEVEN LOCATIONS-MILITIA	PRE-BID DATE AND TIME: 10/13/17 AT 9AM START AT SUN VALLEY
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PRE-BID DATE AND TIME: 10/13/17 AT 9AM START AT SUN VALLEY

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INSTALLATION of DOOR UPGRADES

STAND ALONE FACILITIES – RHODE ISLAND

REVISED STATEMENT OF WORK (10/19/17)

BID 7565537

SCOPE: Rhode Island Army National Guard Readiness Centers need to address retrofitting the existing building to comply with the ATFP requirements in UFC 4-023-07 and other ATFP requirements. The focus is to harden the vestibule / entrance of the facility through direct fire protection and obscuration. Removal of two existing door infrastructures and the installation of two upgraded, hardened doors and associated hardware required for electronic security at the seven locations listed. Door improvements must address all Anti-Terrorism Force Protection [ATFP] physical measures, and meet or exceed Unified Facilities Criteria [UFC] specifications. Submittal of manufacturer specifications to the Electronic Security Systems [ESS] division of the Facilities Management Office [FMO] is required prior to installation.

LOCATIONS:

- 1. Schofield Armory 705 New London Avenue, Cranston, RI 02920
- 2. Sun Valley Armory 2841 South County Trail, East Greenwich, RI 02818
- 3. Armory of Mounted Commands [AMC] 1051 North Main Street, Providence, RI 02906
- 4. Warwick Armory 541 Airport Road, Warwick, RI 02886
- 5. Bristol Armory 470 Metacom Avenue, Bristol, RI 02809
- 6. Warren Armory 104 Market Street, Warren, RI 02885
- 7. Warren FMS 45 Croade Street, Warren, RI 02885
- 8. 330 Camp Street 330 Camp Street, Providence, RI 02906
- 9. Middletown Armory 106 Airport Access Road, Middletown, RI 02840

WORK TO BE ACCOMPLISHED:

- Removal of existing primary and secondary doors, to include the frame. This is not considered demolition; care is to be taken in the removal process as door units can be reused elsewhere.
- ✓ Installation of UL 752 Ballistic Level 5 Aluminum Door and Frame Assemblies
- ✓ Installation of UL 752 Ballistic Level 5 Door Surrounds
- ✓ Provide 120V AC from designated electrical panel to the doorway, above ceiling line, via 1/2" inch EMT
- ✓ Doorways that already have electric conduit run:
 - o Sun Valley Armory Front, Double Door
 - o AMC Side, Single Door (Stenton Street)
 - Bristol Armory Front, Double Door
 - Warren Armory Front, Single Door
 - o 330 Camp Street Front, Single Door

SAFETY: The areas where the work is to be performed may be in use at all times, therefore the Contractor will protect the worksite to minimize any danger to pedestrians in the area.

WORKMANSHIP: All work shall be performed by qualified mechanics and/or licensed technicians of the trades involved. All work shall be neat, trim, straight, secured and finished in all details. Any work that damages existing or new infrastructure will be repaired at no additional cost to State or Federal Government.

GUARANTEE: The Contractor will guarantee all work for a period of 1 (one) year after acceptance.

NOTIFICATION: The Facilities Management Office [FMO] shall be notified when work is to begin and shall be kept informed of the Contractor's work schedule.

<u>APPROVAL of MATERIAL:</u> Specifications or manufacturer's cuts of material to be used on this project shall be submitted to ESS-FMO for approval prior to installation. All materials and their installation must conform to the criteria listed in the Statement of Work [SOW].

STATE BUILDING CODE: This project is subject to the rules and regulations of the Rhode Island Building Commissioner and is subject to inspection by that officer. The Contractor will obtain, if necessary a building permit for this work from the Building Commissioner's office. A copy of this permit will be forwarded to the FMO.

STATE PROVISIONS: In addition to these provisions, the Office of Purchases may issue other instructions that must be followed.

<u>MATERIALS:</u> All materials to be incorporated into the project shall be furnished and installed new by the Contractor.

<u>FINAL ACCEPTANCE:</u> The Owner will inspect all work prior to final acceptance and note any deficiencies found so the Contractor can re-work them.

ADDITIONAL INFORMATION:

The basis for these facility improvements is the UFC 4-023-07 7 July 2008 Change 1, 1 February 2017 section 5-5.4.1 Small caliber ballistics. The desired level of protection as per appendix C of UFC 4-023-07 is the Underwriters Laboratories (UL) 752 level 5.

Door designs and surrounds are to meet these standards and include entire door assemblies including, frames, hardware, vision panels, and connections, assembled as they would be in the field. Testing assemblies ensures that all potential impact points on a door provide ballistics resistance. Doors are available from multiple manufacturers to meet the various standards, although not all manufacturers provide doors to meet all the standards.

Note: Bullet resistant doors are significantly heavier than conventional doors, and may make them more difficult to operate which requires heavier duty door operators where necessary. Egress doors must meet the requirements of NFPA 101 for maximum allowable door operating force.

Guide Specifications for UL Level 5 Bullet Resistant doors and electronic door locking hardware that will integrate with the ESS equipment provided are included (Enclosures 2 and 5). There are multiple manufacturers that have products that meet these requirements.

Site situation requires the facility to be both blast and ballistic rated. There are products that will accomplish both requirements in one item. Windows incorporated into doors are required to comply with this specification, door window glazing will be specified in specification 05 8800 Glazing based on the same ballistic rating.

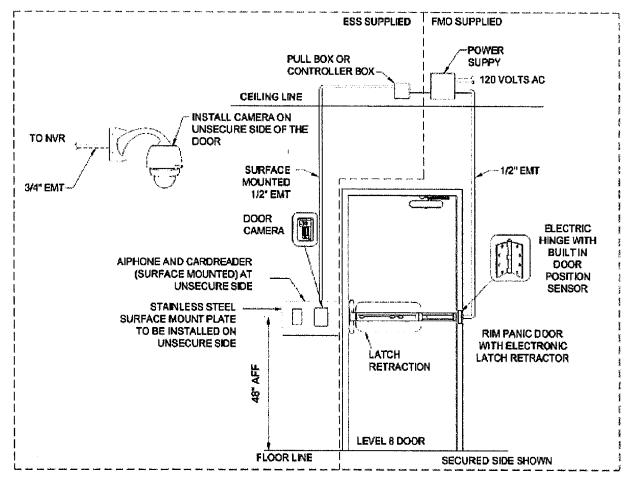
Each Stand Alone Facility (SAF) is to have two (2) entry doors that meet the requirements (one primary door and an alternate door). The primary and alternate doors will be equipped with:

- a. Electronic locking mechanisms (i.e., electric door strikes, electronic latch retractors, electronic mortise locks or similar locking devices which utilize a 24 VDC power supply)
- b. Appropriate 24VDC door power supply (mounted above the door and connected to 120 VAC), wiring and conduit (in compliance with applicable building code)

The ARNG-IES Program Office will connect the lock release mechanisms to the power supply via a dry contact to the power supply. This will be only interface to the door assembly.

Contractor is to consult with the local Authority Having Jurisdiction (AHJ), considered to be the local responding fire department, to ensure locking solution is in compliance with all applicable life safety codes.

The following typical diagram and matrix outlines which entity is providing the equipment.



The following is a breakdown between the Appendix 1001 and 1004:

Material / Equipment	Provided by CFMO	Provided by ESS
	(Appendix 1001)	(Appendix 1004)
Door and Frame Assembly		
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Electronic Strike	×	
Electronic Mortise Lock	×	
Door Power Supply	×	
Door Position Sanson	×	
Power Transfer Assembly	×	
Rim Exit Device (Panic Bar)	×	
Door Handles	×	
Appropriate Lock	×	
Cabling between Lock and Power Supply	⊠	
Cabling between Lock and Door Position Sensor	×	
CCTV Camera		×
Video Intercom		×
Network Video Recorder		×
Relay Interface		×
Keypad		×

Exterior Enclosure for Intercom	\boxtimes
Video and Lock Interface Cabling	×

Enclosure 2: Electronic Door Locking Hardware

1. ELECTRIFIED <u>SINGLE_METAL DOOR HARDWARE - MORTISE</u>

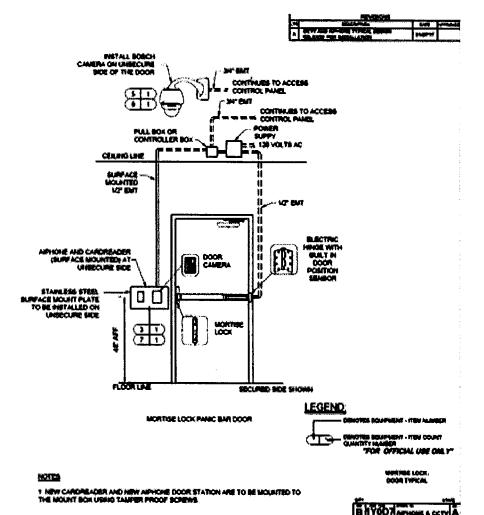
- a. Electronic Mortise: Electrified single metal doors will be provided with a series 1000, operational Grade1 Mortise lock and latch sets shall be series 1000, operational Grade1, Security Grade1 or 1A, functions as indicated in the Hardware Schedule, and shall conform to ANSI/BHMA A156.13. Strikes for all mortise locks and latches, including deadlocks, shall conform to ANSI/BHMA A156.115 except strikes for security doors shall be rectangular, without lip. Mortise-type locks and latches for doors 1-3/4 inches thick and over shall have adjustable bevel fronts or otherwise conform to the shape of the door. Mortise locks shall have armored fronts. Mortise locks and latches shall have full escutcheon, thru-bolted, extruded stainless steel trim. The Mortise shall have an electric latch retraction module. Door hardware will be fail secure and have "Night Latch" function. Door trim shall not be electrified.
- b. Electronic Hinges: All doors shall be equipped with a single, continuous extra-heavy-duty piano-type hinge sized to carry the weight of the door without sagging. Hinges shall be full mortise, half mortise, full surface or half surface design as recommended by manufacturer for frame and door design, and shall be tamperproof or mounted on the inside face of the door. Provide hinge manufacturer's certification that the hinge supplied meets all applicable test requirements of ANSI/BHMA A156.1, and that the hinge is suitable for the size and weight of the door assembly on which it will be utilized. If piano-type hinges are provided with door, furnish independent laboratory reports covering both the door weight capacity and a 2,500,000-cycle testing to match ANSI/BHMA A156.1 Grade 1 requirements. Exterior door hinges shall be stainless steel.
 - (1) Piano Hinge will need an Electric Power Transfer (EPT), for power from frame to door. Single doors will be right leaf only (on entry). Operating voltage 24VDC or, and able to withstand a 16 amp in-rush for 300 milliseconds. One pair of 14 gauge wiring for power and four additional pairs up to 26 gauge for sensors. Provide a door position switch per typical drawings.

2. ELECTRIFIED DOUBLE METAL DOOR HARDWARE

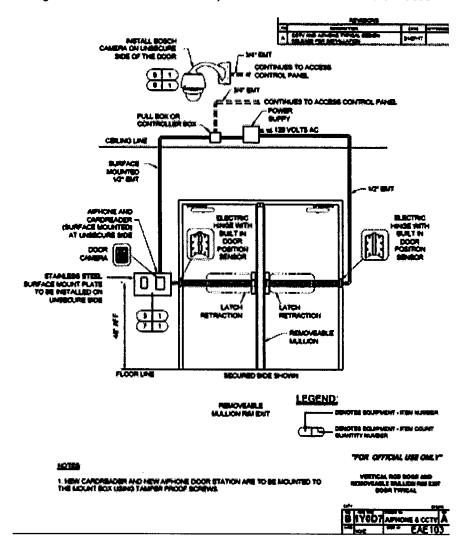
a. Electrified Rim Strike: Electrified double metal doors with removable mullion will be provided with an electrified rim strike exit device conforming to ANSI / BHMA A156.5, Grade 1. The exit device shall have an electric latch retraction module. Door trim shall not be electrified.

- (1) Door hardware will be fail secure and have "Night Latch" function
- (2) All electrified panic hardware shall not have cylinder dogging on touch bar.
- (3) No Door shall receive vertical rods.
- b. Electronic Hinges: All doors shall be equipped with a single, continuous extra-heavy-duty piano-type hinge sized to carry the weight of the door without sagging. Hinges shall be full mortise, half mortise, full surface or half surface design as recommended by manufacturer for frame and door design, and shall be tamperproof or mounted on the inside face of the door. Provide hinge manufacturer's certification that the hinge supplied meets all applicable test requirements of ANSI/BHMA A156.1, and that the hinge is suitable for the size and weight of the door assembly on which it will be utilized. If continuous piano-type hinges are provided with door, furnish independent laboratory reports covering both the door weight capacity and a 2,500,000-cycle testing to match ANSI/BHMA A156.1 Grade 1 requirements. Exterior door hinges shall be stainless steel.
 - (1). Piano hinge will need an Electric Power Transfer (EPT), for power from frame to door. Operating voltage 24VDC or, and able to withstand a 16 amp in-rush for 300 milliseconds. One pair of 14 gauge wiring for power and four additional pairs up to 26 gauge for sensors. The door slab and frame at the header will be prepared for a door position switch. See Typical Drawings.

The following typical diagram for a single, Electronic Mortise Lock Door



The following typical diagram for Removable Mullion, Electric Rim Strike Double Doors



Enclosure 5: SPECIFICATION SECTION 13 40 00.11 BULLET RESISTANT ALUMINUM DOOR SYSTEM

PART 1 - GENERAL

1.1. SUMMARY

- A. Section Includes:
 - 1. Bullet-resistant aluminum door assemblies.
- B. Related Sections:
 - 1. Division 01: Administrative, procedural, and temporary work requirements.
 - 2. Section [08 7100 Door Hardware.]
 - 3. Section [08 8800 Glazing.]
 - 4. Section [09 9100 Painting.]
- 1.2. REFERENCE The publications below forms a part of this specification.
 - A. UNDERWRITERS LABORATORY UL 752 11th Edition dated Sept 5, 2005 Standard for Bullet Resistant Equipment
 - B. FEMA 361 Chapter 6 Test for windborne debris under tornadic conditions.
 - C. ANSI/ASTM B209 Aluminum and Aluminum alloy, sheet and plate
 - D. ANSI/ASTM E 330 Structural performance for exterior windows, curtain wall and doors by uniform static air pressure differential.
 - E. CPSC 16 CRF 1201 Safety standards for glazing materials.
 - F. ASTME 1886-97 Standard test method for performance of exterior windows, curtain walls, doors and storm shutters impacted by missiles and exposed to cyclic pressure differentials.
 - G. OTHER STANDARDS
 - 1. ANSI A250.4 Steel Doors and Frames Physical Endurance
 - 2. ANSI A156.1 Butts and Hinges
 - 3. ANSI A156.2 Bored Locks and Latches
 - 4. ANSI A156.3 Exit Devices
 - 5. ANSI A156.4 Door Controls Door Closers
 - 6. ANSI A156.5 Auxiliary Locks and Associated Products
 - 7. ANSI A156.6 Architectural Door Trim
 - 8. ANSI A156.7 Template Hinge Dimensions
 - 9. ANSI A156.13 Mortise Locks and Latches
 - 10. ANSI A156.15 Closer Holder Release Devices
 - 11. ANSI A156.16 Auxiliary Hardware
 - 12. ANSI A156.18 Materials and Finishes
 - 13. ANSI A156.25 Electrified Locking Devices
 - 14. Steel Door Institute -100
 - 15. NIJ Standard 0108.01 Ballistic Resistant Protective Materials

H. CODES

1. NFPA 80 - Standard for Fire Doors and Windows

- 2. NFPA 70 National Electrical Code
- 3. NFPA 101 Life Safety Code
- 4. NFPA 730 Guide for Premises Security
- 5. NFPA 731 Standard for the Installation of Electronic Premises Security Systems
- 6. IBC 2010 International Building Code (most recent edition)
- 7. ADA Americans with Disabilities Act

1.3. DESIGN

A. General – Extruded aluminum top, rail and stile shall have a 5" face and a 10" bottom rail. Frame size shall be 2 ½" X 6 1/2". Doors and frames shall be designed to defeat ballistic assaults as described by UL 752 Level 5. Proof of certification will be needed prior to acceptance.

B. Tornadic - Hurricane Requirements

1. The system is designed to comply with:

ASTM E 1986-97, "Standard Test method for performance of exterior windows, curtain walls, doors and storm shutters impacted by missiles and exposed to cyclic pressure differentials",

SSTD 12-99 "SBCII test standard for determining impact resistance from windborne debris"

Texas Tech University, Wind Science and Engineering's Tornado Test Criteria adopted by the Federal Emergency Management Agency in publication FEMA 320.

1.4 SUBMITTALS

- A. Contractor Submittals for Review:
- 1. Shop Drawings: Include door and frame profiles and sizes, type and spacing of frame anchors, reinforcement size and locations, details of joints and connections, and welding details.
- 2. Product Data: Include product description for door and frame assemblies including bullet-resistant ratings.
- B. Closeout Submittals:
 - 1. Maintenance Data: Include instructions for cleaning of glazed panels.

1.5 QUALITY ASSURANCE

- A. All material furnished and installed in accordance with this section of the specification shall meet the minimum requirements of size, design, and prime finishes specified herein.
 - B. Door and Frame Assemblies: Ballistic Level 5 tested to UL 752.
 - C. Doors and frames manufactured by same firm
- D. Electronic Hardware: When electrified hardware is included in the hardware specification, the hardware supplier must employ an individual knowledgeable in electrified components and systems, who is capable of producing wiring diagrams and consulting as needed. Upon completion of electronic security hardware installation, inspect and verify that all components are working properly.

1.6 DELIVERY, STORAGE AND HANDLING

A. Tag each item or package separately with identification related to the final hardware schedule, and include installation instructions with each item or package.

- B. Each article of hardware shall be individually packaged in manufacturer's original packaging.
- C. Contractor will provide secure lock-up for door hardware delivered to the Project, but not yet installed. Control handling and installation of hardware items so that completion of Work will not be delayed by hardware losses both before and after installation.
- D. Items damaged in shipment shall be replaced promptly and with proper material and paid for by whomever did the damage or caused the damage to occur.
- E. Hardware shall be handled in a manner to avoid damage, marring, or scratching. Irregularities that occur to the hardware after it has been delivered to the Project shall be corrected, replaced, or repaired by the Contractor. Hardware shall be protected against malfunction due to paint, solvent, cleanser, or any chemical agent.
- F. Store door and frame assemblies upright in protected, dry area, off ground or floor, with at least 1/4 inch space between individual units.
 - G. Do not cover with non-vented coverings that create excessive humidity.
 - H. Remove wet coverings immediately.

PART 2 - PRODUCT

2.1 GENERAL

- A. Provide items recommended by the ballistic door manufacturer and as specified for "electronic" door installations.
- B. Hardware and electronic sensor items shall be bundled and purchased as a "kit" where applicable to reduce costs.
- C. Hardware for bullet-resistant door assembly shall be provided by the door assembly manufacturer to ensure a complete bullet resistant assembly. Where test standard requires hardware to be tested with door assembly, hardware shall be included in the labeling and/or test certification.
 - D. All doors will have a backset 2 % inches.

2.3 MATERIALS

A. FRAMES

- 1. Bullet Resistant door and frames and glazing assemblies shall be furnished by installer.
- 2. Door and frame sections shall be extruded from 6061-T6 alloy or equal with a minimum tensile strength (minimum 38.0 ksi ultimate, 35.0 ksi Yield). All internal framing fasteners shall be type 302 or 304 stainless steel. Interior glazing gaskets shall be closed cellular neoprene (40-50 Shore "A: Durometer). Exterior glazing gaskets shall be solid neoprene (65-75 shore "A" Durometer). All neoprene shall be in strict compliance with ASTM-C 509-89 Type II Option 1 and C-854-89. All joints and connections shall be tight, providing hairline joints and true alignment of adjacent members. Corner joinery shall consist of heavy duty extruded and keyed aluminum corner splines with continuous 3/8" diameter tie rod construction. Glazing members shall accommodate glazing transparencies or opaque panels ranging in thickness from 1 1/4" to 2 1/16". Glazing must not be removable from the threat side of the door.
- 3. GLAZING. Glazing shall be Tor-Hard glass-clad polycarbonate 1.6" thick. Shall be in compliance with the requirements of FEMA-361 (Tornado resistance) and shall be U.L. Listed, Level 5.

2.4 FINISH

A. Finish shall be anodized bronze duranodic.

2.5 HARDWARE

- A. Items provided by the door manufacture shall consist of SELECT SL 11 HD continuous hinges, appropriate lock, 9" pull handle, push bar and LCN 4000 series closer.
- B. UL 437 spec lock and key sets with an End-User Open Keyway. Manufacturer must have a current patent on the lockset.
 - a. Facilities are independent of one another and shall have different key patterns. Doorways at each individual facility are to be keyed alike. Provide 12 keys for each facility.

2.6 ELECTRIFIED SINGLE METAL DOOR HARDWARE - MORTISE

A. Electronic Mortise: Electrified single metal doors will be provided with a series 1000, operational Grade1 Mortise lock and latch sets shall be series 1000, operational Grade1, Security Grade1 or 1A, functions as indicated in the Hardware Schedule, and shall conform to ANSI/BHMA A156.13. Strikes for all mortise locks and latches, including deadlocks, shall conform to ANSI/BHMA A156.115 except strikes for security doors shall be rectangular, without lip. Mortise-type locks and latches for doors 1-3/4 inches thick and over shall have adjustable bevel fronts or otherwise conform to the shape of the door. Mortise locks shall have armored fronts. Mortise locks and latches shall have full escutcheon, thru-bolted, extruded stainless steel trim. The Mortise shall have an electric latch retraction module. Door hardware will be fail secure and have "Night Latch" function. Door trim shall not be electrified.

B. Electronic Hinges: All doors shall be equipped with single, continuous extra-heavy-duty piano-type hinge sized to carry the weight of the door without sagging. Hinges shall be full mortise, half mortise, full surface or half surface design as recommended by manufacturer for frame and door design, and shall be tamperproof or mounted on the inside face of the door. Provide hinge manufacturer's certification that the hinge supplied meets all applicable test requirements of ANSI/BHMA A156.1, type, number of hinges specified, and that the hinge is suitable for the size and weight of the door assembly on which it will be utilized. If continuous piano-type hinges are provided with door, furnish independent laboratory reports covering both the door weight capacity and a 2,500,000-cycle testing to match ANSI/BHMA A156.1 Grade 1 requirements. Exterior door hinges shall be stainless steel.

1. Piano hinge uses an Electric Power Transfer (EPT), for power from frame to door. Right leaf only (on entry). Operating voltage 24VDC or, and able to withstand a 16 amp in-rush for 300 milliseconds. One pair of 14 gauge wiring for power and four additional pairs up to 26 gauge for sensors. Provide a door position switch per typical drawings.

2.7 ELECTRIFIED DOUBLE METAL DOOR HARDWARE

A. Electrified Rim Strike: Electrified double metal doors with removable mullion will be provided with an electrified rim strike exit device conforming to ANSI / BHMA A156.5, Grade 1. The exit device shall have an electric latch retraction module. Door trim shall not be electrified.

- 1. Door hardware will be fail secure and have "Night Latch" function
- 2. All electrified panic hardware shall not have cylinder dogging on touch bar.
- 3. No Door shall receive vertical rods.

B. Electronic Hinges: All doors shall be equipped with a single, continuous extra-heavy-duty piano-type hinge sized to carry the weight of the door without sagging. Hinges shall be full mortise, half mortise, full surface or half surface design as recommended by manufacturer for frame and door design, and shall be tamperproof or mounted on the inside face of the door. Provide hinge manufacturer's certification that the hinge supplied meets all applicable test requirements of ANSI/BHMA A156.1, type, number of hinges specified, and that the hinge is suitable for the size and weight of the door assembly on which it will be utilized. If continuous piano-type hinges are provided with door, furnish independent laboratory reports covering both the door weight capacity and a 2,500,000-cycle testing to match ANSI/BHMA A156.1 Grade 1 requirements. Interior door hinges shall be furnished in steel, prime coated. Exterior door hinges shall be stainless steel.

1. Piano Hinge will be used. Provide Electric Power Transfer (EPT), for power from frame to door to right leaf only (on entry). Operating voltage 24VDC or, and able to withstand a 16 amp in-rush for 300 milliseconds. One pair of 14 gauge wiring for power and four additional pairs up to 26 gauge for sensors. The door slab and frame at the header will be prepared for a door position switch. See Typical Drawings.

2.10 ADDITIONAL HARDWARE

- A. Door Closers: Closers shall be extra heavy duty of size and type recommended by manufacturer, and shall be Grade 1 in accordance with ANSI/BHMA A156.4. Door closer finish shall be the same as existing hardware and in accordance with ANSI/BHMA A156.18
- B. Door Stops and Holders: Door stops and holders shall be extra heavy duty in accordance with ANSI / BHMA ANSI / BHMA A156.16.
- C. Frame Anchors: Provide jamb anchors with door/frame assembly conforming to door manufacturer's recommendations to ensure complete bullet-resistant assemblies. Make provisions to stiffen the top member of all spans over 3 feet. The bottom of the frames shall extend below the finish floor line and shall be secured to the floor slab by means of angle clips and expansion bolts. Floor clips are not required for installation in pre-built or existing openings.
- D. Weather-stripping: Provide head and jambs with compression-type neoprene bulb or closed cell neoprene adjustable-type weather stripping. Door stops shall be weather-stripped with a surface-mounted sponge neoprene strip in bronze housing not less than 0.070 inch thick installed to make contact with the door. Install weather-stripping in conformance to manufacturer's directions after completion of finish painting.

PART 3 - EXECUTION

3.1 INSPECTION

- A. It shall be the Contractors responsibility to inspect all door openings and doors to determine that each door and door frame has been properly prepared for the required electronic hardware. If errors in dimensions or preparation are encountered, they are to be corrected by the Contractor prior to installation of hardware.
- B. Beginning of installation shall mean acceptance of the interfacing surfaces as capable of producing an acceptable job.

3.2 HARDWARE REINFORCEMENTS

- A. Frames shall be mortised, reinforced, drilled and tapped at the factory for fully-templated mortised hardware only, in accordance with approved hardware schedule and templates provided by the hardware Contractor. When surface-mounted hardware is to be applied, frames shall have reinforcing plates only; all drilling and tapping will be performed in the field.
- B. Hardware reinforcements are to be in accordance with the minimum standard gauges in accordance with ANSI/SDI a250.6 with reinforcing plates from same material as door face sheets.

3.3 MOUNTING LOCATION

- A. Installation of all hardware, including locksets, push-pull latches, overhead holders, door stops, plates and other items, shall be carefully coordinated with the hardware schedule and the manufacturer's instruction sheets.
- B. Locations for finished hardware shall be in accordance with dimensions listed in the pamphlet "Recommended Locations for Builders' Hardware" published by the DOOR and Hardware Institute and the door manufacturer's instructions.

3.4 INSTALLATION

A. Door and Frame

- 1. Install door and frame assemblies in accordance with manufacturer's instructions and approved Shop Drawings.
 - 2. Set plumb, square, and level.
 - 3. Secure to adjacent construction using fastener type best suited to application
- 4. Drill and tap for surface-mounted hardware in field. Install hardware in accordance with Section [08 7100.]
- 5. Field alterations to door and frame assemblies other than drilling and tapping for surface-mounted hardware not permitted unless approved in advance by manufacturer and FMO.
- B. The finished work shall be rigid, neat in appearance and free from defects. Install equipment plumb, level, and secured rigidly in place. Installation of doors and frames shall conform to NAAMM HMMA 840. Install doors, frames, and hardware in strict compliance with approved printed instructions and detail drawings provided by manufacturer. The Contractor is responsible for proper installation of the door assembly so that operating clearances and bearing surfaces conform to manufacturer's instructions. Install weather stripping and thresholds at exterior door openings to provide a weather tight installation. All other components shall be installed in accordance with approved manufacturers recommended instructions. Test all operable parts of components for smooth, trouble free operation in the presence of the Contracting Officer or representative. Submit drawings containing complete wiring and schematic diagrams, where appropriate, and any other details required to demonstrate that the system has been coordinated and will properly function as a unit. Drawings shall show proposed layout and anchorage of components and appurtenances, and relationship to other parts of work including clearances for operation and maintenance. Drawings shall be sufficient to show conformance to all requirements, including fabrication details, sizes, thickness of materials, anchorage, finishes, hardware location and installation.

3.5 ADJUSTING

- A. Touch up minor scratches and abrasions in primer paint to match factory finish.
- B. Adjust doors to swing freely, without sticking or binding.

3.6 FASTENERS

A. Fasteners exposed to view shall match in color and finish and shall harmonize with the material to which fasteners are applied. Fasteners shall be in accordance with Section 05 50 13 MISCELLANEOUS METAL FABRICATIONS.

3.7 CORROSION PROTECTION - DISSIMILAR MATERIALS

A. Contact surfaces between dissimilar metals and aluminum surfaces in contact with concrete, masonry, pressure treated wood or absorptive materials subject to wetting, shall be given a protective coating in accordance with Section 09 90 00 PAINTS AND COATINGS.

3.8 PROTECTION

A. All exposed portions of finish hardware shall be carefully protected by use of cloth, adhesive backed paper or other materials, immediately after installation of the hardware item on the door. The finish shall remain protected until completion of the project. Prior to acceptance of the project by Architect and Owner, remove the protective material exposing the hardware finish.

3.9 CLEANING

A. Clean all items of finish hardware in accordance with manufacturer's instructions and remove any remaining pieces of protective materials.

3.10 INSTRUCTIONS AND TOOLS

A. Provide templates, installation and repair manuals and adjusting tools, wrenches etc. for the following operating products

- 1. Locksets
- 2. Exit Devices
- 3. Door Closers
- 4. Hinges

3.11 WARRANTY

A. Contractor shall provide the Owner with all manufacturer warranties prior to final payments.

Doors Locations:

- 1. Schofield Armory 705 New London Avenue, Cranston, RI 02920
 - a. Front, Double Doors (Surrounds)
 - b. Side, Single Door
- 2. Sun Valley Armory 2841 South County Trail, East Greenwich, RI 02818
 - a. Front, Double Doors* (Surrounds)
 - b. Rear, Single Door
- 3. Armory of Mounted Commands [AMC] 1051 North Main Street, Providence, RI 02906
 - a. Front Side, Single Door (Stenton)* (Surrounds)
 - b. Rear Side, Single Door (Edgehill) (Surrounds)
- 4. 330 Camp Street 330 Camp Street, Providence, RI 02906
 - a. Front, Single Door*
 - b. Side, Single Door
- 5. Warwick Armory 541 Airport Road, Warwick, RI 02886
 - a. Rear Right, Double Doors
 - b. Rear Left, Double Doors
- 6. Bristol Armory 470 Metacom Avenue, Bristol, RI 02809
 - a. Front, Single Door* (Surrounds)
 - b. Rear, Single Door
- 7. Warren Armory 104 Market Street, Warren, RI 02885
 - a. Front, Single Door* (needs EMT run, Surrounds)
 - b. Rear, Single Door
- 8. Warren FMS 45 Croade Street, Warren, RI 02885
 - a. Front, Single Door
 - b. Rear, Single Door
- 9. Middletown Armory 106 Airport Access Road, Middletown, RI 02840

- a. Front, Double Door (Surrounds)
- b. Rear, Single Door

*existing electric run to doorway

Contract Terms and Conditions

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Terms and Conditions

BID STANDARD TERMS AND CONDITIONS

TERMS AND CONDITIONS FOR THIS BID

FISCAL YEAR - AWARD EXTENDING PAST FISCAL YR END

AWARDS EXTENDING BEYOND JUNE 30TH ARE SUBJECT TO AVAILABILITY OF FUNDS. CONTINUATION OF THE CONTRACT BEYOND THE INITIAL FISCAL YEAR WILL BE AT THE DISCRETION OF THE STATE. TERMINATION MAY BE EFFECTED BY THE STATE BASED UPON DETERMINING FACTORS SUCH AS UNSATISFACTORY PERFORMANCE OR THE DETERMINATION BY THE STATE TO DISCONTINUE THE GOODS/SERVICES, OR TO REVISE THE SCOPE AND NEED FOR THE TYPE OF GOODS/SERVICES; ALSO MANAGEMENT OWNER DETERMINATIONS THAT MAY PRECLUDE THE NEED FOR GOODS/SERVICES.

DELIVERY PER AGENCY

DELIVERY OF GOODS OR SERVICES AS REQUESTED BY AGENCY.

RIVIP INFO - BID SUBMISSION REQUIREMENTS

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer. When delivering offers in person to One Capitol Hill, vendors are advised to allow at least one hour additional time for clearance through security checkpoints.

MAILING ADDRESS FOR BID PROPOSALS ISSUED BY THE STATE OF RHODE ISLAND, DIVISION OF PURCHASES

All Bid Proposals must be submitted by mail or hand delivered to:

- State of Rhode Island
- Department of Administrtion
- Division of Purchases, Second floor
- One Capitol Hill
- Providence, RI 02908-5855

DIVESTITURE OF INVESTMENTS IN IRAN REQUIREMENT:

No vendor engaged in investment activities in Iran as described in R.I. Gen. Laws §37-2.5-2(b) may submit a bid proposal to, or renew a contract with, the Division of Purchases. Each vendor submitting a bid proposal or entering into a renewal of a contract is required to certify that the vendor does not appear on the list maintained by the General Treasurer pursuant to R.I. Gen. Laws §37-2.5-3.

T TORNICH	NUMBER
LIC RINSH.	INTUVER B.R.

In compliance with the requirements of Rhode Island General Law, Section 5-65-23, my Rhode Island
license number for the work to be performed by this firm as prime contractor is:
LICENSE NUMBER

INSURANCE REQUIREMENTS

AN INSURANCE CERTIFICATE IN COMPLIANCE WITH PROVISIONS OF ITEM 31 (INSURANCE) OF THE GENERAL CONDITIONS OF PURCHASE IS REQUIRED FOR COMPREHENSIVE GENERAL LIABILITY, AUTOMOBILE LIABILITY, AND WORKERS' COMPENSATION AND MUST BE SUBMITTED BY THE SUCCESSFUL BIDDER(S) TO THE DIVISION OF PURCHASES PRIOR TO AWARD. THE INSURANCE CERTIFICATE MUST NAME THE STATE OF RHODE ISLAND AS CERTIFICATE HOLDER AND AS AN ADDITIONAL INSURED. FAILURE TO COMPLY WITH THESE PROVISIONS MAY RESULT IN REJECTION OF THE OFFEROR'S BID. ANNUAL RENEWAL CERTIFICATES MUST BE SUBMITTED TO THE AGENCY IDENTIFIED ON THE PURCHASE ORDER. FAILURE TO DO SO MAY BE GROUNDS FOR CANCELLATION OF CONTRACT.

NOTE: IF THIS BID COVERS CONSTRUCTION, SCHOOL BUSING, HAZARDOUS WASTE, OR VESSEL OPERATION, APPLICABLE COVERAGES FROM THE FOLLOWING LIST MUST ALSO BE SUBMITTED TO THE DIVISION OF PURCHASES PRIOR TO AWARD: * PROFESSIONAL LIABILITY INSURANCE (AKA ERRORS & OMISSIONS) - \$1 MILLION OR 5% OF ESTIMATED PROJECT COST, WHICHEVER IS GREATER. * BUILDER'S RISK INSURANCE - COVERAGE EQUAL TO FACE AMOUNT OF CONTRACT FOR CONSTRUCTION. * SCHOOL BUSING - AUTO LIABILITY COVERAGE IN THE AMOUNT OF \$5 MILLION. * ENVIRONMENTAL IMPAIRMENT (AKA POLLUTION CONTROL) - \$1 MILLION OR 5% OF FACE AMOUNT OF CONTRACT, WHICHEVER IS GREATER. * VESSEL OPERATION - (MARINE OR AIRCRAFT) - PROTECTION & INDEMNITY COVERAGE REQUIRED IN THE AMOUNT OF \$1 MILLION.

WAGE REQUIREMENTS

BIDDERS ARE ADVISED THAT ALL PROVISIONS OF TITLE 37 CHAPTER 13 OF THE GENERAL LAWS OF RHODE ISLAND APPLY TO THE WORK COVERED BY THIS REQUEST, AND THAT PAYMENT OF THE GENERAL PREVAILING RATE OF PER DIEM WAGES AND THE GENERAL PREVAILING RATE FOR REGULAR, OVERTIME, AND OTHER WORKING CONDITIONS EXISTING IN THE LOCALITY FOR EACH CRAFT, MECHANIC, TEAMSTER, OR TYPE OF WORKMAN NEEDED TO EXECUTE THIS WORK IS A REQUIREMENT FOR BOTH CONTRACTORS AND SUBCONTRACTORS. THE PREVAILING WAGE TABLE MAY BE OBTAINED AT THE RI DIVISION OF PURCHASES HOME PAGE BY INTERNET at www.purchasing.ri.gov. SELECT "BIDDING INFORMATION", THEN "GENERAL INFORMATION", AND THEN SELECT "PREVAILING WAGE TABLES". PRINTING THE ENTIRE DOCUMENT AVERAGES APPROXIMATELY ONE MINUTE PER PAGE - YOU MAY WANT TO PRINT ONLY THE PAGES APPLICABLE TO YOUR BID. BIDDERS NOTE: IN THE EVENT THIS BID SPECIFIES PRICE OFFERS ON A TIME-AND-MATERIALS BASIS, i.e., AN HOURLY RATE, ANY OR ALL BIDS SUBMITTED IN AN AMOUNT LESS THAN THE PREVAILING RATE IN EFFECT FOR THE WORK COVERED BY THIS REQUEST AS OF THE DATE OF BID ISSUANCE SHALL BE REJECTED BY THE DIVISION OF PURCHASES.

SURETY REQUIREMENTS

BIDDER IS REQUIRED TO PROVIDE A BID SURETY IN THE FORM OF A BID BOND, OR A CERTIFIED CHECK PAYABLE TO THE STATE OF RHODE ISLAND, IN THE AMOUNT OF A SUM NOT LESS THAN FIVE PERCENT (5%) OF THE BID PRICE. BID SURETY MUST BE ATTACHED TO THE BID FORM. THE SUCCESSFUL BIDDER WILL ALSO BE REQUIRED TO FURNISH PERFORMANCE AND LABOR AND PAYMENT BONDS AT TIME OF TENTATIVE CONTRACT AWARD.