



REQUEST FOR BIDS

Provide and install Aluminum entrance doors with all hardware and auto touchless openers.

COUNTY OF ALLEGHANY

August 19, 2020

I. General:

The COUNTY of Alleghany (COUNTY) is seeking reliable contractors to provide and install, 12ea HEAVY DUTY ALUMINUM DOORS WITH CENTER RAIL AND CLEAR GLASS - DARK BRONZE FINISH
6ea HEAVY DUTY ADA LOW ENERGY AUTOMATIC DOOR OPERATORS - DARK BRONZE FINISH
12ea CONTINUOUS HINGES - DARK BRONZE
6ea CONCEALED VERTICAL ROD EXIT DEVICES (FOR USE IN EXTERIOR PAIRS) - MECHANICAL ONLY
WILL NEED TO BE MANUALLY DOGGED FOR OPERATOR TO FUNCTION - DARK BRONZE FINISH
12ea ADA FLUSH PULLS
6ea PUSH PLATES - FOR USE WITH INTERIOR VESTIBULE DOORS - DARK BRONZE FINISH
3ea CYLINDER HOUSINGS - CORE TO BE REUSED - DARK BRONZE FINISH
6ea THRESHOLDS - DARK BRONZE FINISH
6ea SWEEPS - DARK BRONZE FINISH
6sets HANDS FREE ACTUATORS FOR USE WITH AUTOMATIC DOOR OPERATOR - HARDWIRING IS REQUIRED - SURFACE MOUNTED CONDUIT MAY BE USED -
3ea BOLLARD POST - DARK BROWN FINISH
6ea POWER SUPPLY demand, uninterruptible supply of the products listed in this Request for Bids.

Inquiries concerning this request should be directed to: Mr. Mike Hendrickson, Public Works Superintendent, (540) 863-6650. **No questions will be accepted after September 1, 2020.**

Sealed bids shall be submitted to Mr. Mike Hendrickson, Public Works Office, 9212 Winterberry Ave, Suite A, Covington VA 24426. Bids will be accepted until Tuesday September 8, 2020 at 2:00 PM Eastern Standard Time, at which time bids will be opened and read aloud at the Public Works office. Any bids received after this deadline will be returned unopened to the address on the envelope. Please mark envelope "Door Bid".

II. Requirements and Specifications:

See attachment 5:

Submittal Requirements:

1. Minimum of three (3) current customer references not more than one year old.

III. Basis for Contract Award:

The Contracts, if awarded, will be awarded to the lowest responsive and responsible Bidders, if any, subject to the County's right to reject any and all Bids and to waive informality and irregularity in Bids and in bidding. In the event the Bids from the lowest responsive and responsible Bidders exceeds available funds, the County may negotiate with apparent low Bidders to obtain a contract price within available funds, pursuant to Virginia Code Section 11-53. Such negotiations with apparent low Bidders may include discussions of reducing the quantity, quality, or other cost saving mechanisms.

IV. Instructions for Submitting Bids:

A. Submission of Bids:

1. **The COUNTY will not accept oral Bids or Bids received by telephone, electronic mail (e-mail), FAX machine, or telegraph.**
2. All erasures, interpolations, and other changes in the Bids shall be signed or initialed by the Bidders.
3. The Bids must be signed in order to be considered. If the Bidders are a firm or corporation, the Bidders must print the name and title of the individual executing the Bid.
4. The Bids and any other documents required shall be enclosed in a sealed opaque envelope.
5. The envelope containing the Bids shall be sealed and marked in the lower left-hand corner with the number, title, hour, and due date of the Bids.
6. The time Bids are received shall be determined by stamp in the COUNTY office. Bidders are responsible for insuring that their Bids are stamped by COUNTY office personnel by the deadline indicated.

B. Bidder's Representation:

1. All Bidders, by submitting a Bid in response to this Request for Bid, represents that the Bidders have read and understand the Specifications and Requirements and have familiarized themselves with all federal, state and local laws, ordinances, rules and regulations that in any manner may affect the cost, progress or performance of the contract work.
2. The failure or omission of any Bidders to receive or examine any form, instrument, addendum or other documents, or to acquaint themselves with conditions existing at the site, shall in no way relieve any Bidders from any obligations with respect to their Bids or to the contract.

C. Trade Secrets/Proprietary Information:

Trade secrets or proprietary information submitted by Bidders in response to this Request for Bid shall not be subject to public disclosure under the Virginia Freedom of Information Act; however, the Bidders must invoke the protection of this section prior to or upon submission of data or materials, and must identify the data or other materials to be protected and state the reasons why protection is necessary (Section 11.52D of the Code of Virginia).

CONTRACT PROVISIONS

V. Anti-Discrimination:

By submitting their Bids, Bidders certify to Alleghany County that they will conform to the provisions of the *Federal Civil Rights Act of 1964*, as amended, as well as the *Virginia Fair Employment Contracting Act of 1975*, as amended, where applicable, the *Virginia With Disabilities Act*, the *Americans With Disabilities Act* and section 2.2-4311 of the *Virginia Public Procurement Act*. If the award is made to a faith-based organization, the organization shall not discriminate against any recipient of goods, services, or disbursements made pursuant to the contract on the basis of the recipient's religion, religious beliefs, refusal to participate in a religious practice, or on the basis of race, age, color, gender or national origin and shall be subject to the same rules as other organizations that contract with the County to account for the use of the funds provided; however, if the faith-based organization segregates public funds into separate accounts, only the accounts and programs funded with County funds shall be subject to audit by the public body. (*Code of Virginia*, sec. 2.2-4343.1 E).

A. The contractors will not discriminate against any employee or applicant for employment because of race, religion, color, sex, natural origin, or disabilities, except where religion, sex or national origin is a bona fide occupational qualification reasonably necessary to the normal operation of the contractors. The contractors agree to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.

B. The contractors, in all solicitations or advertisements for employees placed by or on behalf of the contractors, will state that such contractors are an equal opportunity employer.

C. Notices, advertisements and solicitations placed in accordance with federal law, rule or regulation shall be deemed sufficient for the purpose of meeting the requirements of this section.

The contractors will include the provisions of the foregoing paragraphs A, B, and C in every subcontract or purchase order of over \$10,000 so that the provisions will be binding upon each subcontractor or vendor.

VI. Cooperative Procurement:

The County may participate in, sponsor, conduct, or administer a cooperative procurement agreement with one or more other public bodies, or agencies of the United States, for the purpose of combining requirements to increase efficiency or reduce administrative expenses. Any public body which enters into a cooperative procurement agreement with the County shall comply with the provisions and procedures included in the *Virginia Public Procurement Act* and the *Commonwealth of Virginia Agency Procurement and Surplus Property Manual*.

VII. Insurance:

By signing and submitting Bids under this solicitation, the bidders certify that if awarded the contract, they will have the following insurance coverage at the time the contract is awarded. For construction contracts, if any subcontractors are involved, the subcontractors will have workers compensation Insurance in accordance with section 2.2-4332 and 65.2-800 et seq. of the *Code of Virginia*. The bidders further certify that the contractors and any subcontractors will maintain these insurance coverages during the entire term of the contract and that all insurance coverage

will be provided by insurance companies authorized to sell insurance in Virginia by the Virginia State Corporation Commission.

The Contractors shall have limits equaling or exceeding the following minimum amounts:

Comprehensive Automobile Liability Insurance:

- 1) One million dollars (\$1,000,000.00) combined single limit for each occurrence for bodily injury and property damage.
- 2) One million dollars (\$1,000,000.00) combined single limit for each occurrence for bodily injury and property damage while operating an owned, non-owned or hired vehicle.

Commercial General Liability/Excess Liability:

Two million dollars (\$2,000,000.00) combined single limit for bodily injury and property damage per occurrence, including broad form contractual, personal injury, products and completed operations, coverage for work performed by independent contractors and subcontractors, broad form property damage, fire, legal liability, and "XCU" hazards.

Workers' Compensation and Employers' Liability:

Coverage must be at the statutory limits for the Commonwealth of Virginia and "other states" coverage, with the County of Alleghany named as additional insured.

In addition to the above, Bidders shall submit a certificate indicating insurability at this level. The successful Contractors will be required to provide a Certificate of Insurance for all applicable policies that states that the County of Alleghany is endorsed on the insurance policy as an additional insured.

VIII: Attachments

Attachment 1 – Bidders Data Sheet

Attachment 2 – Bid Price Sheet

Attachment 3 – Evidence of Workers' Compensation Coverage

Attachment 4 – Authority to Transact Business in Virginia

Attachment 5 – Spec Sheets

Attachment 1

BIDDERS DATA SHEET

Note: The following information is required as part of your response to this solicitation. Failure to complete and provide this sheet may result in finding your bid non-responsive.

1. Qualification: The Bidders must have the capability and capacity in all respects to satisfy fully all of the contractual requirements.

2. Bidder's Primary Contact:

Name: _____ Phone: _____

3. Years in Business: Indicate the length of time you have been in business providing this type of good or service:

_____ Years _____ Months

4. Bidder's Information:

FIN or FEI Number: _____ If Company, Corporation, or Partnership

Social Security Number: _____ If Individual

Commonwealth of Virginia Contractor License Number: _____

5. Indicate below a listing of at least three (3) current or recent accounts, either commercial or governmental, that your company is servicing, has serviced, or has provided similar goods or services. Include the length of service and the name, address, and telephone number of the point of contact.

Company Name: _____ Contact: _____

Phone: _____ Fax: _____

Project: _____

Dates of Service: _____ Monetary Value: _____

Company Name: _____ Contact: _____

Phone: _____ Fax: _____

Project: _____

Dates of Service: _____ Monetary Value: _____

Company Name: _____ Contact: _____

Phone: _____ Fax: _____

Project: _____

Dates of Service: _____ Monetary Value: _____

I certify the accuracy of this information.

Printed Name

Signature

Title

Date

Attachment 2

Bid Form

Bidder: _____

Date: _____

Lump sum bid: _____

Authorized Bidder:

Printed Name

Signature

Title

Date

Attachment 3

EVIDENCE OF WORKER'S COMPENSATION COVERAGE

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION**

Certificate of Coverage

Section 2.2-4332, Code of Virginia (1950), as amended, requires construction Contractors and Subcontractors to obtain and maintain workers' compensation insurance while performing work on behalf of the Commonwealth of Virginia, its departments, institutions or agencies. This same requirement applies on behalf of local governments.

Evidence of coverage must be provided prior to commencement of work.

This form must be returned to the organization contracting the work.

The undersigned organization stipulates that it:

A. has workers' compensation insurance and is in compliance with the Worker's Compensation statutes of the Commonwealth of Virginia ____ Yes ____ No.

Insurance Company _____

Policy expiration date _____

or

B. is self-insured for workers' compensation ____ Yes ____ No.

Signed by: _____

Title: _____

Firm Name: _____

Address: _____

Attachment 4

AUTHORITY TO TRANSACT BUSINESS IN VIRGINIA

Pursuant to Virginia Code Section 2.2-4311.2 (effective July 1, 2010) all Bidders organized or authorized to transact business in the Commonwealth of Virginia pursuant to Title 13.1 or Title 50 of the Code of Virginia, (1950), as amended, or as otherwise required by law, is required to include in their bids their Virginia State Corporation Commission (SCC) Identification Number. Any bidders not required to be authorized to transact business in the Commonwealth of Virginia as a domestic or foreign business entity under title Title 13.1 or Title 50 or as otherwise required by law are required to include in their bids or proposals a statement describing why the Bidders are not required to be so authorized.

Please complete the following:

A. _____ Bidder is a Virginia business entity organized and authorized to transact business in Virginia and such bidder's SCC Identification Number is _____.

B. _____ Bidder is an out-of-state (foreign) business entity authorized to transact business in Virginia and such Bidder's SCC Identification Number is _____.

C. _____ Bidder does not have an Identification Number issued to it by the SCC and such Bidder is not required to be authorized to transact business in Virginia by the SCC for the following reason(s):

Please attach additional sheets of paper if you need more space to explain why such Bidder is not required to be authorized to transact business in Virginia.

PART I GENERAL

1.01 SUMMARY

- A. PROVIDE AND INSTALL WIDE STILE CENTER RAIL ALUMINUM ENTRANCE DOORS COMPLETE WITH CLEAR INSULATED GLASS FOR ALLEGHANY COUNTY, VIRGINIA GOVERNMENTAL COMPLEX LOCATED AT 9212 WINTERBERRY AVE COVINGTON VA**
- B. RELATED SECTIONS**
 - 1. COORDINATE ALL WORK AS DESCRIBED WITHIN**

1.02 REFERENCES

- 1. USE THE FOLLOWING REFERENCES TO DETAIL, SCHEDULE, FURNISH, AND INSTALL WIDE STILE CENTER RAIL ALUMINUM DOORS COMPLETE WITH CLEAR INSULATED GLASS**
 - A. AAMA 1503-98 THERMAL TRANSMITTANCE AND CONDENSATION RESISTANCE OF WINDOWS, DOORS AND GLAZED WALL SECTIONS**
 - B. ASTM – B209 STANDARD SPECIFICATION FOR ALUMINUM AND ALUMINUM ALLOW SHEET AND PLATE**
 - C. ASTM – B221 STANDARD SPECIFICATION FOR ALUMINUM ALLOY...**
 - D. ASTM -C518 STANDARD TEST METHOD FOR STEADY-STATE THERMAL...**
 - E. ASTM-D256 STANDARD TEST METHODS FOR DETERMINING ...**

- F. ASTM-D570 STANDARD TEST METHODS FOR WATER ABSORPTION...
- G. ASTM-D638 STANDARD TEST METHODS FOR TENSILE PROPERTIES...
- H. ASTM-D790 STANDARD TEST METHODS FOR FLEXURAL PROPERTIES...
- I. ASTM-D1621 STANDARD TEST METHODS FOR COMPRESSIVE PROPERTIES...
- J. ASTM-D1622 STANDARD TEST METHOD FOR APPARENT DENSITY...
- K. ASTM-D1623 STANDARD TEST METHOD FOR TENSILE AND TENSILE ADHESION...
- L. ASTM-D2126 STANDARD TEST METHOD FOR RESPONSE OF RIGID CELLULAR...
- M. ASTM-D2583 STANDARD TEST METHOD FOR INDENTION HARDNESS...
- N. ASTM-D3029 TEST METHODS FOR IMPACT RESISTANCE OF FLAT...
- O. ASTM-D5116 STANDARD GUIDE FOR SMALL SCALE ENVIRONMENTAL CHAMBER DETERMINATIONS...
- P. ASTM-D6670 STANDARD PRACTICE FOR FULL-SCALE CHAMBER DETERMINATION OF...
- Q. ASTM-E84 STANDARD TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS
- R. ASTM-E283 STANDARD TEST METHOD FOR DETERMINING RATE OF AIR...
- S. ASTM-E330 STANDARD TEST METHOD FOR STRUCTURAL PERFORMANCE OF EXTERIOR...
- T. ASTM-E1886 STANDARD TEST METHOD FOR PERFORMANCE OF EXTERIOR WINDOWS...
- U. ASTM-F1642-04 STANDARD TEST METHOD FOR GLAZING SYSTEMS SUBJECT TO AIR...
- V. NFRC 100 PROCEDURE FOR DETERMINING FENESTRATION...

- W. NFRC 400 PROCEDURE FOR DETERMINING FENESTRATION PRODUCTS AIR LEAKAGE
- X. NFPA 101 LIFE SAFETY CODE 2006
- Y. DHI ABBREVIATIONS AND SYMBOLS 1983
- Z. DHI INSTALLATION GUIDE FOR DOORS AND HARDWARE ANSI/DHI A115.IG

1.03 SUBMITTALS

A. GENERAL REQUIREMENTS

1. PROVIDE SUBMITTALS FOR ALL MATERIALS TO BE APPROVED TO ENSURE THEY MEET THE STANDARDS SET FORTH WITHIN
2. ALL REQUIREMENTS TO MATCH HARDWARE REQUIREMENTS
3. DOORS AND HARDWARE TO BE SUBMITTED AS ONE PACKAGE

B. SCHEDULES

1. HARDWARE AND DOORS TO BE SUBMITTED AS ONE PACKAGE FOLLOWING SEQUENCE AND FORMAT FOR HARDWARE SCHEDULES AS PUBLISHED BY DHI 2000 EDITION
2. USE DOOR MARK NUMBERS PROVIDED BY ALLEGHANY COUNTY
3. REQUIREMENTS FOR HARDWARE SUBMITTAL PROVIDED IN HARDWARE SECTION OF SPECIFICATION TO BE FOLLOWED
4. PROVIDE 6ea COPIES
5. PROVIDE 6ea COMPLETE SETS OF ELEVATIONS

C. SAMPLES

1. PROVIDE PHYSICAL SAMPLES IF REQUESTED
2. PROVIDE MANUFACTURERS DOOR SAMPLE COMPOSED OF DOOR FACE SHEET, CORE, FRAMING AND FINISH

D. PRODUCT DATA

1. PROVIDE 6ea COMPLETE SETS OF CATALOG CUTS
2. HIGHLIGHT ALL SPECIFIED ITEMS REQUIRED FOR A COMPLETE INSTALLATION INCLUDING FUNCTIONS, FASTENING, SPECIAL OPTIONS, ETC

E. ELEVATIONS

1. PROVIDE 6ea COMPLETE SETS OF ELEVATIONS SHOWING WIDE STILES MEASURING NOT LESS THAN 4 ¾" WIDTH, 6 ½" TOP RAIL, BOTTOM RAIL BEING ADA COMPLIANT AT 10" HEIGHT AND 12" TALL CENTER RAIL

F. OPERATION AND MAINTENANCE MANUALS

1. SUBMIT IN THREE RING BINDER WITH JOB NAME LABELED ON FRONT AND SPINE
2. INCLUDE THE FOLLOWING
 - A. DETAILED IN HARDWARE SPECIFICATION

G. MANUFACTURERS REPORT

1. MANUFACTURERS PROJECT REFERENCES
 - A. PROVIDE A LIST OF 5 SUCCESSFULLY COMPLETED PROJECTS WITHIN 18 MONTHS INCLUDING NAME, LOCATION, NAME OF ARCHITECT, TYPE AND QUANTITY OF DOOR

1.04 QUALITY ASSURANCE

A. SUPPLIER

1. MUST HAVE SUPPLIED SIMILAR PROJECTS
2. MUST MEET OR EXCEED ALL INSURANCE REQUIREMENTS AS SET FORTH BY ALLEGHANY COUNTY
3. MUST PROVIDE IN WRITING 3 REFERENCES – REFERENCES MUST BE FOR WORK COMPLETED

WITHIN THE LAST 6 MONTHS AND CONFORM TO THE FOLLOWING:

- a. PHOTOGRAPHS
- b. A WRITTEN DESCRIPTION OF WORK COMPLETED
- c. DIFFERENT ENTITIES
- d. INCLUDE 2 FROM SIMILAR STATE AGENCIES

B. INSTALLER

1. MUST HAVE INSTALLED SIMILAR PROJECTS
2. MUST MEET OR EXCEED ALL INSURANCE REQUIREMENTS AS SET FORTH BY ALLEGHANY COUNTY
3. MUST BE CERTIFIED BY MANUFACTURERS WHEN REQUIRED
4. MUST BE AVAILABLE AT REASONABLE TIMES DURING CONSTRUCTION FOR CONSULTATION ABOUT PRODUCTS AND/OR HARDWARE REQUIREMENTS TO THE OWNER AND ALL OTHER PARTIES INVOLVED – INCLUDES ATTENDANCE AT ALL JOBSITE MEETINGS INCLUDING PRE-INSTALLATION MEETINGS, OWNERS ACCEPTANCE, 6 MONTH FOLLOW UP, AND 1 YEAR FOLLOW UP
5. MUST HAVE 10 YEARS EXPERIENCE INSTALLING FINISHED HARDWARE
6. MUST PROVIDE IN WRITING 3 REFERENCES – REFERENCES MUST BE FOR WORK COMPLETED WITHIN THE LAST 6 MONTHS AND CONFORM TO THE FOLLOWING:
 - a. PHOTOGRAPHS
 - b. A WRITTEN DESCRIPTION OF WORK COMPLETED
 - c. DIFFERENT ENTITIES
 - d. INCLUDE 2 FROM SIMILAR STATE AGENCIES

C. PRE-INSTALLATION MEETING

1. TO BE SET UP 14 DAYS PRIOR TO ANTICIPATED INSTALLATION OF FINISHED HARDWARE
2. AFFECTED TRADES TO ATTEND – INCLUDING BUT NOT LIMITED TO SUPPLIER AND INSTALLER

D. OWNERS ACCEPTANCE MEETING

1. WITHIN 24 HOURS OF COMPLETION, STAFF AHC AS CERTIFIED BY DHI WHO PARTICIPATES IN THE CONTINUING EDUCATION PROGRAM AND INSTALLER TO MEET WITH OWNER TO FIELD VERIFY ALL HARDWARE IS IN ADJUSTMENT – REQUIRED ADJUSTMENT TO BE MADE AT NO COST TO THE OWNER AND FUNCTIONING PROPERLY PER MANUFACTURER’S INSTRUCTION AND WRITE REPORT OF COMPLIANCE TO BE GIVEN TO OWNER WITHIN 3 DAYS OF MEETING

E. MANUFACTURER’S QUALIFICATIONS

1. CONTINUOUSLY ENGAGED IN MANUFACTURING OF DOORS, SPECIFIED WITH A MINIMUM OF 5 YEARS CONCURRENT SUCCESSFUL EXPERIENCE
2. EVIDENCE OF A DOCUMENTED COMPLIANT RESOLUTION QUALITY MANAGEMENT SYSTEM

1.05 SHIPPING, HANDLING, AND DELIVERY

A. MARKING AND PACKAGING

1. DOORS TO BE DELIVERED TO JOBSITE IN MANUFACTURER’S ORIGINAL PACKAGING MARKED TO CORRESPOND WITH APPROVED HARDWARE SCHEDULE INCLUDING DOOR MARK NUMBER AND JOB NAME

B. JOB SITE DELIVERY

1. AT TIME OF DELIVERY, DOORS WILL BE INVENTORIED BY OWNER REPRESENTATIVE, SUPPLIER AND INSTALLER UNTIL EACH IS SATISFIED THAT ALL COUNTS AND MATERIALS ARE CORRECT
2. DELIVER INDIVIDUALLY PACKAGED AND PROPERLY MARKED DOORS AT REQUESTED TIME AND LOCATION TO AVOID INSTALLATION DELAYS

C. STORAGE

1. JOB SITE STORAGE WILL BE PROVIDED BY OWNER FOR ALL DOORS
2. STORAGE WILL PROVIDE DRY AND SECURE STAGING

1.06 WARRANTY

A. WARRANT DOORS AND ALL FACTORY INSTALLED HARDWARE AGAINST FAILURE IN MATERIALS AND WORKMANSHIP. INCLUDES THE FOLLOWING:

1. EXCESSIVE DEFLECTION
2. FAULTY OPERATION
3. DEFECTS IN HARDWARE INSTALLATION
4. DETERIORATION OF FINISH OR CONSTRUCTION IN EXCESS OF NORMAL WEATHERING

B. STANDARD PERIOD OF 10 YEARS FROM SHIPPING DATE

C. LIMITED LIFETIME

1. COVERS FAILURE OF CORNER JOINERY
2. CORE DETERIORATION
3. DELAMINATION OR BUBBLING OF DOOR SKIN

- D. FINISH – 10 YEAR
- 1.07 MAINTENANCE
 - A. SERVICE AND INSPECTION
 - 1. 6 MONTHS AND AGAIN AT 12 MONTHS FROM DATE OF OWNER ACCEPTANCE. INSTALLER TO MEET WITH OWNER TO FIELD VERIFY ALL DOORS ARE IN ADJUSTMENT – REQUIRED ADJUSTMENT TO BE MADE AT NO COST TO THE OWNER AND FUNCTIONING PROPERLY PER MANUFACTURER’S INSTRUCTION AND WRITE REPORT OF COMPLIANCE TO BE GIVEN TO OWNER WITHIN 3 DAYS OF MEETING

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. ACCEPTABLE MANUFACTURERS

- 1. THE FOLLOWING HAVE BEEN SELECTED AS PRODUCERS OF ACCEPTABLE PRODUCTS
 - e. SPECIAL-LITE
P O BOX 6 DECATUR MICHIGAN 49045
WWW.SPECIAL-LITE.COM

B. SUBSTITUTIONS

- 1. SPECIFIED PRODUCTS HAVE ESTABLISHED MINIMUM QUALITIES THAT SUBSTITUTE PRODUCTS MUST MEET OR EXCEED
- 2. ALL SUBSTITUTIONS TO BE SUBMITTED FOR REVIEW 10 DAYS PRIOR TO BID DATE

2.02 MATERIALS

A. DOORS, GLASS AND SPECIALIZED HARDWARE MUST COMPLY WITH REQUIREMENTS IN THIS SECTION.

B. DOORS

- 1. DOOR SIZES

- a. ALL MEASUREMENTS ARE TO BE FIELD MADE AND ARE THE SOLE RESPONSIBILITY OF THE SUPPLIER
- 2. CONSTRUCTION
 - a. DOOR THICKNESS
 - 1. 1 ¾”
 - b. STILES
 - 1. NOT LESS THAN 4 ¾” WIDE
 - 2. INTEGRAL GLASS STOP – NO SNAP OR APPLIED STOPS ALLOWED
 - 3. ALUMINUM EXTRUSIONS MADE FROM 6063 ALUMINUM ALLOYS WITH A MINIMUM TEMPER OF T5
 - 4. MEETING STILES TO INCLUDE FACTORY INSTALLED FULLY ADJUSTABLE PILE BRUSH ASTRAGAL SEAL
 - 5. MEETING STILES TO BE RADIUS
 - 6. SCREW OR SNAP IN PLACE CAPS ARE NOT ACCEPTABLE
 - c. RAILS
 - 1. TOP RAIL TO BE NOT LESS THAN 6 ½” IN HEIGHT
 - 2. BOTTOM RAIL TO BE NOT LESS THAN 10” IN HEIGHT
 - 3. CENTER RAIL TO BE NOT LESS THAN 12” IN HEIGHT
 - 4. INTEGRAL GLASS STOPS ON EXTERIOR SIDE
 - 5. NO SPA IN OR APPLIED STOPS ALLOWED
 - 6. ALUMINUM EXTRUSIONS MADE FROM 6063 ALUMINUM ALLOYS WITH A MINIMUM TEMPER OF T5
 - 7. SCREW OR SNAP IN CAPS ARE NOT ACCEPTABLE
 - d. CORNERS
 - 1. TRUE MORTISE AND TENON JOINTS

2. SECURED WITH 3/8" DIAMETER FULL WIDTH STEEL TIE ROD
 3. WELD, GLUE OR OTHER METHODS OF JOINERY ARE NOT ACCEPTED
- e. MID PANEL
1. FULLY WIDTH
 2. NOT LESS THAN 12" IN HEIGHT
 3. POURED IN PLACE POLYURETHANE FOAM
 4. LAID IN FOAM CORES ARE NOT ACCEPTABLE
 5. FRAME
 - a. ALUMINUM EXTRUSIONS WITH EXTRUDED SPLINE AND INTERLOCKING EDGES
 6. SECURE TO STILES WITH MORTISE AND TENON JOINTS WITH 3/8" STEEL TIE RODS AND LOCKING HEX NUTS
- f. HARDWARE
1. PRE MACHINE DOORS IN ACCORDANCE WITH TEMPLATES SUPPLIED BY HARDWARE SUPPLIER AT FACTORY TO MEET MANUFACTURER'S STANDARD GUIDELINES
 2. FACTORY INSTALL EXIT DEVICES
 3. FULL HARDWARE REINFORCEMENTS TO BE PROVIDED:
 - a. ALUMINUM EXTRUSIONS MADE FROM 6061 OR 6063 ALUMINUM ALLOYS
 - b. SHEET AND PLATE TO CONFORM TO ASTM-B209
 - c. ALLOY AND TEMPER TO BE SELECTED BY MANUFACTURER FOR STRENGTH, CORROSION RESISTANCE AND APPLICATION OF FINISH AND COLOR CONTROL
- g. FACTORY ASSEMBLY

1. COMPLETE CUTTING, FITTING, FORMING, DRILLING, AND GRINDING OF METAL BEFORE ASSEMBLY
2. CUT ALL EDGES TO BE FREE OF BURS
3. WELDING OF DOORS IS NOT ACCEPTED
4. MAINTAIN CONTINUITY OF LINE AND ACCURATE RELATION OF PLANES AND ANGLES
5. SECURE ALL MECHANICAL JOINTS WITH HAIRLINE FIT AT CONTACT SURFACES
6. ALL SHOP FABRICATION TO BE IN ACCORDANCE WITH MANUFACTURER'S PROCESS WORK INSTRUCTIONS
7. QUALITY CONTROL TO BE PERFORMED BEFORE LEAVING EACH DEPARTMENT

SPECIAL-LITE

SL-15 WIDE STILE MONUMENTAL DOOR WITH MID PANEL

3. GLASS/FACTORY GLAZING
 - a. GLASS SIZES
 1. ALL MEASUREMENTS ARE TO BE FIELD MADE AND ARE THE SOLE RESPONSIBILITY OF THE SUPPLIER
 - b. CONSTRUCTION
 1. 1" THICK
 2. CLEAR
 3. INSULATED
 4. FACTORY INSTALLED
4. SPECIALIZED MANUFACTURER SUPPLIED AND INSTALLED HARDWARE
 - a. PULLS
 1. ADA
 2. INTEGRATED INTO DOOR
 3. FLUSH
 4. 10 YEAR WARRANTY

5. 10 7/8" HIGH
6. 5 3/4" WIDE
7. 7" GRIP SURFACE
8. 1 3/8" RECESS DEPTH
9. 1 1/2" BOTTOM OPENING
10. SPECIFICALLY DESIGNED FOR STERILIZATION
11. FACTORY INSTALLED

SPECIAL-LITE

SL-88 ADA

- a. SEALS
 1. FACTORY INSTALLED
 2. FULLY ADJUSTABLE
 3. SWEEPS TO HAVE 2 LAYERS OF NYLON BRISTLE BRUSHES
 4. RADIUS STILE PROFILE ON PAIRS WITH INTEGRAL ADJUSTABLE ASTRAGAL ON ACTIVE LEAF

SPECIAL-LITE

SL-301 -SWEEP

AS-1R-RADIUS STYLE ASTRAGAL

- 2.03 FINISHES - INCLUDES ALL DOOR PARTS – RAILS, STILES, AND MID PANEL
 1. ANODIZED
 2. MINIMUM .7 MILS THICK
 3. DARK BRONZE

PART 3 EXECUTION

- 3.01 EXAMINATION / INSPECTION
 1. ADVISE OF ANY DETRIMENTAL CONDITIONS IN WRITING WITHIN 24 HOURS

2. ALL MEASUREMENTS, DIMENSION AND TECHNICAL ORDERING INFORMATION IS THE RESPONSIBILITY OF THE SUPPLIER
3. VERIFY OPENINGS ARE PLUMB, LEVEL, SQUARE, AND IN TOLERANCE BEFORE INSTALLATION BEGINS

3.02 INSTALLATION

1. INSTALL DOORS PER MANUFACTURER'S STANDARD PROCEDURES AND METHODS
2. INSTALL DOORS PLUMB, LEVEL, SQUARE, TRUE TO LINE AND WITHOUT WARP OR RACK
3. SEPARATE ALUMINUM FROM OTHER METAL SURFACES BY MANUFACTURER APPROVED MEANS
4. INSTALL EXTERIOR DOORS TO BE AS WEATHERTIGHT IN CLOSED POSITION AS PERMITTED BY MANUFACTURER
5. REPAIR MINOR FINISH DAMAGES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTION – REPORT ALL DAMAGES TO OWNER. DAMAGED MATERIALS WILL BE REPLACED IN A EXPEDITED FASHION AND AT NO COST TO THE OWNER IF OWNER DECIDES

A. FASTENERS

1. INSTALL DOORS USING ONLY MANUFACTURER'S RECOMMENDED MEANS OF FASTENING

B. MOUNTING HEIGHTS

1. MOUNT HARDWARE AT THE MOUNTING HEIGHTS RECOMMENDED BY THE MANUFACTURER'S INSTRUCTION SHEETS CONSISTENTLY THROUGHOUT THE JOB

C. CLEARANCES

1. NON RATED TO FOLLOW CLEARANCES AS FOLLOWS:
 - A. 1/8" BETWEEN TOP RAIL AND FRAME HEAD

- B. 1/8" BETWEEN STILES AND FRAME LEGS
- C. 1/4" BETWEEN BOTTOM RAIL AND TOP OF THRESHOLD OR SADDLE
- D. 1/2" BETWEEN BOTTOM RAIL AND FINISHED FLOOR EXCEPT WHERE HARDWARE REQUIRES OTHER CLEARANCE TO FUNCTION PROPERLY

D. SHIMMING

- 1. ONLY OCCUR BETWEEN HINGE LEAF AND FRAME
- 2. STEEL SHIMS ONLY

E. TERMINATION OF WIRING

- 1. HIGH VOLTAGE CONNECTIONS BY OWNER

F. GLASS/GLAZING

- 1. INSPECT TO ENSURE SCRATCH FREE SURFACES
- 2. THOROUGHLY CLEAN WITH MANUFACTURER'S APPROVED CLEANER PRIOR TO OWNER ACCEPTANCE

G. SEALS

- 1. ADJUST OT PROVIDE CONTINUOUS SEAL AROUND PERIMETER OF OPENING INCLUDING IN BETWEEN PAIRED LEAFS

3.03 FIELD QUALITY CONTROL

- 1. VERIFY DOOR LEAFS OPEN, CLOSE, AND LATCH SMOOTHLY AND PROPERLY
- 2. VERIFY GLASS IS SCRATCH FREE
- 3. TEST FUNCTIONAL OPERATION OF DOORS, ELECTRIFIED HARDWARE AND/OR ACCESS CONTROL DEVICES
 - A. OWNER, SUPPLIER INCLUDING ON STAFF AHC, AND INSTALLER TO BE PRESENT WITH OWNER SIGNING OFF ON VERIFICATION OF EACH OPENING
- 4. VERIFY DOORS ARE AS WEATHER TIGHT AS ALLOWED BY MANUFACTURER

5. DIRECT OWNER IN CARE, OPERATION, AND
MAINTENANCE OF FIRE RATED OPENINGS

3.04 ADJUSTING AND CLEANING

1. ADJUST DOORS FOR PROPER OPERATION AFTER HVAC SYSTEM HAS BEEN BALANCED
2. REMOVE ALL PENCIL LINES AND INSTALLATION MARKS
3. UPON DATE OF OWNER ACCEPTANCE, REMOVE ALL PROTECTIVE FILM FROM DOORS
4. WITHIN 24 HOURS, INSTALLER TO MEET WITH OWNER TO FIELD VERIFY ALL HARDWARE IS IN ADJUSTMENT, ALL REQUIRED ADJUSTMENTS TO BE MADE AT NO COST TO OWNER, AND FUNCTIONING PROPERLY PER MANUFACTURER'S INSTRUCTION. REPORT OF COMPLIANCE TO BE GIVEN TO OWNER WITHIN 3 DAYS OF MEETING
5. 6 MONTHS, AND AGAIN AT 12 MONTHS, FROM DATE OF OWNERS ACCEPTANCE, INSTALLER TO MEET WITH OWNER TO FIELD VERIFY ALL HARDWARE IS IN ADJUSTMENT, ALL REQUIRED ADJUSTMENTS TO BE MADE AT NO COST TO OWNER, AND FUNCTIONING PROPERLY PER MANUFACTURER'S INSTRUCTION. REPORT OF COMPLIANCE TO BE GIVEN TO OWNER WITHIN 3 DAYS OF MEETING.
6. CLEAN DOORS AND GLAZING ONLY WITH MANUFACTURER'S APPROVED METHODS
7. DO NOT USE CHEMICALS THAT WILL DAMAGE DOORS IN THE SHORT OR LONG TERM

3.05 PROTECTION

1. PROTECT FROM WEAR AND DAMAGE UNTIL DATE OF OWNER ACCEPTANCE

PART 1 GENERAL

1.01 SUMMARY

A. SECTION INCLUDES

1. PROVIDE AND INSTALL FINISHED HARDWARE FOR ENTRANCE DOORS TO ALLEGHANY COUNTY VIRGINIA GOVERNMENT COMPLEX LOCATED AT 9212 WINTERBERRY AVE, COVINGTON VA

B. RELATED SECTIONS

2. COORDINATE ALL WORK DESCRIBED WITHIN

1.02 REFERENCES

1. USE THE FOLLOWING REFERENCES TO DETAIL,
SCHEDULE, FURNISH, AND INSTALL FINISHED
HARDWARE

- A. NFPA 80 STANDARDS FOR FIRE DOORS AND
WINDOWS 2018
- B. NFPA 101 LIFE SAFETY CODE 2006
- C. NFPA A156.1 HINGES 2006
- D. BHMA A156.1 EXIT DEVICES 2008
- E. BHMA 156.2 DOOR CONTROLS-CLOSERS 2008
- F. BHMA A156.19 LOW ENERGY OPERATORS 2007
- G. BHMA A156.4 DOOR CONTROLS-CLOSERS 2008
- H. BHMA A156.2 BORED AND PREASSEMBLED LOCKS
AND LATCHES 2003
- I. BHMA 156.26 CONTINUOUS HINGES 2006
- J. BHMA A156.18 MATERIALS AND FINISHES 2006
- K. DHI SEQUENCE AND FORMAT FOR THE
HARDWARE SCHEDULE 2000
- L. DHI ABBREVIATIONS AND SYMBOLS 1983

1.03 SUBMITTALS

A. GENERAL REQUIREMENTS

- 1. PROVIDE SUBMITTALS FOR ALL MATERIALS TO BE
APPROVED TO ENSURE THEY MEET THE STANDARDS
SET FORTH WITHIN.

B SCHEDULES

1. SEQUENCE AND FORMAT FOR HARDWARE SCHEDULES AS PUBLISHED BY DHI 2000 EDITION
2. VERTICAL FORMAT
3. ONE HEADING PER PAGE
4. USE DOOR MARK NUMBERS PROVIDED BY ALLEGHANY COUNTY
5. INCLUDE DEGREE OF OPENING
6. INCLUDE HANDING
7. PROVIDE 6EA COPIES
8. PROVIDE 6EA COMPLETE SETS OF ELEVATIONS AND OPERATION DESCRIPTIONS FOR OPENINGS WITH ELECTRIFIED HARDWARE OR ACCESS CONTROL.

C. SAMPLES

1. PROVIDE PHYSICAL SAMPLES IF REQUESTED
2. APPROVED SAMPLES CAN BE USED ON PROJECT

D. PRODUCT DATA

1. PROVIDE 6EA COMPLETE SETS OF CATALOG CUTS
2. HIGHLIGHT ALL SPECIFIED ITEMS REQUIRED FOR A COMPLETE INSTALLATION INCLUDING FUNCTIONS, FASTENING, SPECIAL OPTIONS. ETC.

E. TEMPLATES

1. PROVIDE 6EA COMPLETE SETS OF TEMPLATES FOR SPECIFIED ITEMS WITHIN 15 DAYS OF APPROVED HARDWARE SCHEDULE

F. WIRING DIAGRAMS

1. PROVIDE 6EA COMPLETE RISER DIAGRAMS WITH FINISHED HARDWARE SUBMITTAL
2. PROVIDE 6EA COMPLETE POINT TO POINT DIAGRAMS WITHIN 15 DAYS OF APPROVED HARDWARE SCHEDULE FOR OPENINGS WITH ELECTRIFIED HARDWARE OR ACCESS CONTROL DEVICES.

G. KEYING SCHEDULE

1. SET UP KEYING MEETING WITH OWNER WITHIN 15 DAYS OF RECEIPT OF APPROVED HARDWARE SCHEDULE
2. PROVIDE 6EA COPIES OF KEYING INFORMATION INDEXED BY DOOR NUMBER, KEY SET, HARDWARE HEADING NUMBER, KEY SET, HARDWARE HEADING NUMBER, CROSS KEYING INFORMATION, AND SPECIAL STAMPING INSTRUCTIONS WITHIN 15 DAYS OF APPROVED HARDWARE SCHEDULE

H. OPERATION AND MAINTENANCE MANUALS

1. SUBMIT IN THREE RING BINDER WITH JOB NAME LABELED ON FRONT AND SPINE
2. INCLUDE THE FOLLOWING
 - a. SUPPLIER AND INSTALLER CONTACT INFORMATION
 - b. APPROVED HARDWARE SUBMITTAL AND ADDENDUM
 - c. COMPLETE SET OF CATALOG CUTS
 - d. COMPLETE SET OF TEMPLATES
 - e. COMPLETE SET OF AS POINT TO POINT DIAGRAMS
 - f. COMPLETE SET OF AS BUILT WIRING DIAGRAMS
 - g. COMPLETE SET OF INSTALLATION INSTRUCTIONS
 - h. KEY SCHEDULE
 - i. COMPLETE SET OF MANUFACTURERS WARRANTIES
 - j. COMPLETE SET OF MAINTENANCE AND CLEANING INSTRUCTIONS

1.04 QUALITY ASSURANCE

A. SUPPLIER

1. MUST MEET OR EXCEED ALL INSURANCE REQUIREMENTS AS SET FORTH BY ALLEGHANY COUNTY

2. MUST PROVIDE IN WRITING 3 REFERENCES-
REFERENCES MUST BE FOR WORK COMPLETED WITHIN
THE LAST 6 MONTHS AND CONFORM TO THE
FOLLOWING

- A. PHOTOGRAPHS
- B. WRITTEN DESCRIPTION OF WORK
COMPLETED
- C. INCLUDE 2 FROM SIMILAR STATE AGENCIES

B. INSTALLER

1. MUST HAVE INSTALLED SIMILAR PROJECTS
2. MUST MEET OR EXCEED ALL INSURANCE REQUIREMENTS
AS SET FORTH BY ALLEGHANY COUNTY
3. MUST BE CERTIFIED BY MANUFACTURERS WHEN
REQUIRED
4. MUST BE AVAILABLE AT REASONABLE TIMES DURING
CONSTRUCTION FOR CONSULTATIONS ABOUT PRODUCTS
AND/OR HARDWARE REQUIREMENTS TO THE OWNER AND
ALL OTHER PARTIES INVOLVED-INCLUDES ATTENDANCE AT
ALL JOBSITE MEETINGS INCLUDING PRE-INSTALLATION
MEETINGS, OWNERS ACCEPTANCE, 6 MONTH FOLLOW UP
AND 1 YEAR FOLLOW UP
5. MUST HAVE 5 YEARS EXPERIENCE INSTALLING FINISHED
HARDWARE
6. BE ABLE TO PROVIDE TIMELY SERVICE
7. MUST PROVIDE IN WRITING 3 REFERENCES, MUST BE FOR
WORK COMPLETED IN THE LAST 6 MONTHS

C. PRE-INSTALLATION MEETING

1. TO BE SET UP 14 DAYS PRIOR TO ANTICIPATED
INSTALLATION OF FINISHED HARDWARE

3. AFFECTED TRADES TO ATTEND-INCLUDING BUT NOT
LIMITED TO SUPPLIER AND INSTALLER

D. OWNERS ACCEPTANCE MEETING

1. WITHIN 24 HOURS OF COMPLETION MEET WITH OWNER
TO FIELD VERIFY ALL HARDWARE IS IN ADJUSTMENT-
REQUIRED ADJUSTMENT TO BE MADE AT NO COST TO THE
OWNER AND FUNCTIONING PROPERLY PER
MANUFACTURERS INSTRUCTION AND WRITE REPORT OF
COMPLIANCE TO BE GIVEN TO OWNER WITHIN 3 DAYS OF
MEETING

1.05 SHIPPING, HANDLING, AND DELIVERY

A. MARKING AND PACKAGING

1. HARDWARE TO BE DELIVERED TO JOBSITE IN
MANUFACTURES ORIGINAL PACKAGES MARKED TO
CORRESPOND WITH APPROVED HARDWARE SCHEDULE
INCLUDING DOOR MARK NUMBER, HARDWARE SET
NUMBER, AND JOB NAME

B. JOB SITE DELIVERY

1. AT TIME OF DELIVERY INVENTORY HARDWARE JOINTLY
WITH OWNER REPRESENTATIVE, SUPPLIER AND
INSTALLER UNTIL EACH IS SATISFIED THAT COUNTS AND
MATERIALS ARE CORRECT

2. DELIVER INDIVIDUALLY PACKAGED AND PROPERLY
MARKED FINISH HARDWARE AT REQUESTED TIME AND
LOCATION TO AVOID INSTALLATION DELAYS

C. STORAGE

1. JOB SITE STORAGE WILL BE PROVIDED BY OWNER FOR ALL FINISHED HARDWARE
2. STORAGE WILL PROVIDE DRY AND SECURE STAGING

1.06 WARRANTY

1. HINGES TO HAVE LIFETIME MANUFACTURERS WARRANTY
2. EXIT DEVICES TO HAVE 10 YEAR MANUFACTURES WARRANTY
3. CLOSERS TO HAVE 10 YEAR MANUFACTURERS WARRANTY
4. ADA FLUSH PULLS TO HAVE 10 YEAR MANUFACTURERS WARRANTY
5. AUTOMATIC DOOR OPERATORS TO HAVE 1 YEAR MANUFACTURERS WARRANTY
6. INSTALLER TO PROVIDE 1 YEAR WARRANTY ON ALL INSTALLED MATERIALS TO COVER DEFECTS IN CRAFTSMANSHIP AND INSTALLATION

1.07 MAINTENANCE

A. SERVICE AND INSPECTION

1. 6 MONTHS AND AGAIN AT 12 MONTHS FROM DATE OF OWNER ACCEPTANCE, MEET WITH OWNER TO FIELD VERIFY ALL HARDWARE IS IN ADJUSTMENT- REQUIRED ADJUSTMENT TO BE MADE AT NO COST TO THE OWNER AND FUNCTIONING PROPERLY PER MANUFACTURERS INSTRUCTION AND WRITE REPORT OF COMPLIANCE TO BE GIVEN TO OWNER WITHIN 3 DAYS OF MEETING

B. EXTRA MATERIALS

1. FURNISH 1EA COMPLETE MAINTENANCE KIT FOR EXIT DEVICES SUPPLIED TO OWNER UPON COMPLETION OF PROJECT

PART 2 PRODUCTS

2.01 MANUFACTURES

A. ACCEPTANCE MANUFACTURERS

1. THE FOLLOWING HAVE BEEN SELECTED AS PRODUCERS OF ACCEPTABLE PRODUCTS

- A. CONTINUOUS HINGES-SELECT, ROTON, CAL-ROYAL
- B. EXIT DEVICES-VON DUPRIN, SARGENT
- C. CYLINDERS AND HOUSINGS-SCHLAGE, SARGENT, BEST
- D. ADA LOW ENERGY AUTOMATIC DOOR OPERATORS, LCN, NABCO ENTRANCES
- E. FLAT GOODS-ROCKWOOD, HAGER
- F. THRESHOLDS-NGP, HAGER, PEMKO
- G. SWEEP-SPECIAL-LITE
- H. ACTUATORS-BEA
- I. POWER SUPPLY-VON DUPRIN, NABCO ENTRANCES
- J. PULLS-SPECIAL-LITE, ROCKWOOD
- K. BOLLARD POST-MS SEDCO, LCN

B. SUBSTITUTIONS

1. SPECIFIED PRODUCTS HAVE BEEN ESTABLISHED MINIMUM QUALITIES THAT SUBSTITUTE PRODUCTS MUST MEET OR EXCEED

2. ALL SUBSTITUTIONS TO BE SUBMITTED FOR REVIEW 10 DAYS PRIOR TO BID DATE

2.02 MATERIALS

1. HARDWARE FOR EACH DOOR TO COMPLY WITH REQUIREMENTS IN THIS SECTION AND HARDWAR SCHEDULE AT END OF SECTION 8710 PART 3

A.SCREWS AND FASTENERS

1. MANUFACTURERS STANDARD

B. CONTINUOUS HINGES

1. HEAVY DUTY
2. LIFETIME WARRANTY

C. HINGE LENGTH TO BE 1" LESS THAN NOMINAL DOOR HEIGHT

SELECT
S357HD

C. EXIT DEVICES

1. SEE SCHEDULED SETS FOR FUNCTIONS
2. ALL NON RATED DEVICES TO BE FURNISHED WITH HEX KEY DOGGING
3. ROLLER STRIKES
4. TRIM TO BE ADA FLUSH PULLS INTEGRATED INTO THE DOOR

VON DUPRIN

99 SERIES

1. CYLINDERS AND HOUSING

- A. TO BE SUPPLIED BY SAME MANUFACTURER AS EXIT DEVICE MANUFACTURER
- B. USE APPROPRIATE CAM
- C. BRASS CYLINDER PLUG AND SHELL
- D. NICKEL SILVER BOTTOM, FINGER, SIDE BAR AND KEYS
- E. BRASS TOP AND MASTER PINS

D. LOW ENERGY AUTOMATIC OPERATORS

- A. ELECTRONIC CIRCUIT PROTECTION
- B. VISUAL FUNCTION INDICATORS
- C. PUSH-N-GO
- D. SIDE LOAN HEADERS FOR QUICK SERVICE AND ADJUSTMENT
- E. CURRENT DRAW OF LESS THAN 5 AMPS, 11GVAC, 1-PHASE
- F. RECYCLE FEATURE
- G. HEAVY DUTY SPRING CLOSER

H. ALL STEEL MOTOR AND MECHANICAL GEAR BOX
I. ALL FEATURES, COMPONENTS AND ACCESSORIES
TO MEET OR EXCEED ANSI 156.19 STANDARDS

NABCO ENTRANCES

GT8500

E. FLAT GOODS

- A. BEVEL ALL EDGES
- B. .050 THICKNESS
- C. COUNTERSUNK HOLES

1. PUSH PLATES

- A. 4" X 16"

ROCKWOOD

70

F. THRESHOLDS, WEATHER STRIPS, AND GASKETING

1. THRESHOLDS

- a. SLIP RESISTANT COATING
- b. BARRIER FREE DESIGN

NGP

425-SIA

2. SWEEPS

- A. CONCEALED INTEGRATION INTO DOOR BY
MANUFACTURER

G. ACTUATORS

- 1. HARD WIRED
- 2. TOUCHLESS-HANDS FREE OPERATION
- 3. STAINLESS STEEL
- 4. ADJUSTABLE RANGE
- 5. ADJUSTABLE RELAY TIME
- 6. RATED FOR EXTERIOR USAGE

BEA

MS41

H. PULLS

1. ADA
2. INTEGRATED INTO DOOR
3. FLUSH
4. 10 YEAR WARRANTY

SEPCIAL-LITE

SL-86

I. POWER SUPPLIES

1. REQUIREMENTS TO SUIT ACTUATORS

J. BOLLARD POST

1. 5" SQUARE TUBULAR STEEL
2. 1/8" THICK WALLS
3. 2 COAT FINISH
4. INDUSTRIAL GRADE POWDER COAT FINISH
5. EXTERNAL SURFACE SHOE MOUNTING

2.03 FINISHES

1. COMPLY WITH BHMA 156.18

1. CONTINUOUS HINGES-DKB ANODIZED
2. EXIT DEVICES-313AN
3. CYLINDERS AND HOUSINGS-613
4. ADA LOW ENERGY AUTOMATIC OPERATORS-DKB ANODIZED
5. FLAT GOODS-613
6. THRESHOLDS-DKB ANODIZED
7. BOLLARD POST-POWDER COATED BROWN

2.04 KEYING

1. BUILDING STANDARD-OWNER TO DIRECT

PART 3 EXECUTION

3.01 EXAMINATION/INSPECTION

1. FINISH PAINT AND STAIN TO BE COMPLETE PRIOR TO INSTALLATION OF FINISH HARDWARE
2. VERIFY DOORS AND FRAMES ARE INSTALLED LEVEL, PLUMB, SQUARE, AND TRUE
3. ADVISE OF ANY DETRIMENTAL CONDITIONS IN WRITING WITHIN 24 HOURS
4. ALL HARDWARE TO MAKE A COMPLETE OPENING AS DIRECTED BY OWNER IS REQUIRED-ERRORS AND OMISSIONS ARE NOT CAUSE FOR PRICING INCREASE AND WILL NOT BE ACCEPTED AS SUCH

3.02 INSTALLATION

1. INSTALL HARDWARE PER MANUFACTURES STANDARD PROCEDURES AND METHODS

A. FASTENERS

1. ATTACH HARDWARE USING ONLY MANUFACTURERS RECOMMEND MEANS OF FASTENING

B. MOUNTING HEIGHTS

1. MOUNT HARDWARE AT THE MOUNTING HEIGHTS RECOMMENDED BY THE MANUFACTURERS INSTRUCTION SHEETS CONSISTENTLY THROUGHOUT THE JOB

C. CLEARANCES

1. NON RATED TO FOLLOW CLEARANCES AS FOLLOWS
 - A. 1/8" BETWEEN TOP RAIL AND FRAME HEAD

- B. 1/8" BETWEEN STILES AND FRAME LEGS
- C. 1/4" BETWEEN BOTTOM RAIL AND TOP OF THRESHOLD OR SADDLE
- D. 1/2" BETWEEN BOTTOM RAIL AND FINISHED FLOOR EXCEPT WHERE HARDWARE REQUIRES OTHER CLEARANCE TO FUNCTION PROPERLY

D. SHIMMING

- 1. ONLY OCCUR BETWEEN HINGE LEAF AND FRAME
- 2. STEEL SHIMS ONLY

E. TERMINATION OF WIRING

- 1. HIGH VOLTAGE CONNECTIONS BY OWNER

F. AUTOMATIC DOOR OPERATORS

- 1. APPROPRIATE ARMS, BRACKETS, SPACERS, AND ACCESSORIES TO PROPERLY MOUNT
- 2. ADJUSTED TO SUIT CONDITIONS

G. GASKETING

- 1. INSTALL LEVEL

H. THRESHOLDS

- 1. INSTALL LEVEL
- 2. TRIM, CUT, DEBUR, AND NOTCH TO MINIMALLY FIT THE PROFILE OF DOOR FRAME
- 3. INSTALL IN BED OF CAULK TO COMPLETELY SEAL UNDERSIDE AND PROTECT FROM WATER AND AIR PENETRATION

3.03 FIELD QUALITY CONTROL

1. VERIFY DOOR LEAFS OPEN, CLOSE, AND LATCH PROPERLY
2. VERIFY VOLTAGES ARE CORRECT
3. TEST FUNCTIONAL OPERATION OF ELECTRIFIED HARDWARE AND/OR ACCESS CONTROL DEVICES

A. OWNER, SUPPLIER INCLUDING ON STAFF AHC, AND INSTALLER TO BE PRESENT WITH OWNER SIGNING OFF ON VERIFICATION OF EACH OPENING

4. VERIFY JUNCTION BOXES ARE SEALED
5. ALL WIRES CLEARLY MARKED
6. VERIFY WIRE TERMINATIONS ARE TIGHT
7. DIRECT OWNER IN CARE, OPERATION, AND MAINTENANCE OF FIRE RATED OPENINGS
8. REPORT OF COMPLIANCE TO BE GIVEN TO OWNER WITHIN 3 DAYS OF MEETING

3.04 ADJUSTING AND CLEANING

1. ADJUST HARDWARE FOR PROPER OPERATION AFTER HVAC SYSTEMS HAS BEEN REPLACED
2. REMOVED ALL PENCIL LINES AND INSTALLATION MARKS
3. UPON DATE OF OWNER ACCEPTANCE REMOVE ALL PROTECTIVE FILM FROM HARDWARE ITEMS
4. WITHIN 24 HOURS OF COMPLETION MEET WITH OWNER TO FIELD VERIFY ALL HARDWARE IS IN ADJUSTMENT ALL REQUIRED ADJUSTMENTS TO BE MADE AT NO COST TO OWNER AND FUNCTIONING PROPERLY PER MANUFACTURERS INSTRUCTION AND WRITE REPORT OF COMPLIANCE TO BE GIVEN TO OWNER WITHIN 3 DAYS OF MEETING
5. 6 MONTHS AND AGAIN AT 12 MONTHS FROM DATE OF OWNERS ACCEPTANCE INSTALLER TO MEET WITH OWNER TO FIELD VERIFY ALL HARDWARE IS IN ADJUSTMENT ALL REQUIRED ADJUSTMENTS TO BE MADE AT NO COST TO OWNER AND FUNCTIONING PROPERLY PER MANUFACTURERS INSTRUCTION AND WRITE REPORT OF

COMPLIANCE TO BE GIVEN TO OWNER WITHIN 3 DAYS OF MEETING

6. CLEAN HARDWARE ONLY WITH MANUFACTURERS APPROVED METHODS

3.03 PROTECTION

1. WRAP LOCKS/LATCH SETS, EXIT DEVICES, PULLS, STOPS, AND ALL OTHER PROTRUDING HARDWARE ITEMS TO PROTECT FROM DAMAGE UNTIL DATE OF OWNER ACCEPTANCE

END OF HARDWARE SECTION

HARDWARE SET #1

MK#VESTIBULE EXTERIOR

QTY: 3 SETS

2 EACH CONTINUOUS HINGE SL57HD – DKB

2 EACH CONCEALED VERTICAL ROD EXIT DEVICE 9947EO X DOOR
WIDTH X DOOR HEIGHT X 10B

1 EACH ADA LOW ENERGY AUTOMATIC DOOR OPERATOR GT8500 X
DOOR WIDTH X BOTH ACTIVE X DKBX ON/OFF/HOLD OPEN SWITCH

2 EACH ADA FLUSH PULLS SL-86

1 EACH CYLINDER/CYLINDER HOUSING

2 EACH SWEEPS ADJUSTABLE BOTTOM BRUSH SL-301

1 EACH POWER SUPPLY

1 EACH BOLLARD

1 SET ACTUATORS-TO BE VESTIBULE OPERATION

*ALL 120VAC CONNECTIONS BY OWNER, ANY AND ALL TRENCHING, SAW
CUTTING ETC. BY OWNER

HARDWARE SET #2

MK#VESTIBULE INTERIOR

QTY: 3 SETS

2 EACH CONTINUOUS HINGE SL57HD – DKB

2 EACH PUSH PLATES

1 EACH ADA LOW ENERGY AUTOMATIC DOOR OPERATOR GT8500 X
DOOR WIDTH X BOTH ACTIVE X DKB X ON/OFF/HOLD OPEN SWITCH

2 EACH ADA FLUSH PULLS SL-86

2 EACH SWEEPS ADJUSTABLE BOTTOM BRUSH SL-301

1 EACH POWER SUPPLY

1 SET ACTUATORS-TO BE VESTIBULE OPERATION

*ALL 120VAC CONNECTIONS BY OWNER, ANY AND ALL TRENCHING, SAW
CUTTING ETC. BY OWNER

DOOR SCHEDULE

DOOR TYPE: #1
EXTERIOR DOORS
3-PAIRS IN TOTAL

1 PAIR SPECIAL-LITE SL15 WIDE STILE MONUMENTAL DOORS
WITH MID PANEL AND ALL REQUIRED INSULATED CLEAR
GLAZING MATERIALS PREPPED FOR HARDWARE AS OUTLINED
IN HARDWARE SECTION AND ALL SPECIALIZED HARDWARE
DESCRIBED IN DOOR SECTION INCLUDING THAT WHICH IS
MANUFACTURER SUPPLIED AND FACTORY INSTALLED

*ALL MEASUREMENTS, DIMENSION, AND TECHNICAL DATA TO
BE FIELD DETERMINED AND IS NOT THE RESPONSIBILITY OF
ALLEGHANY COUNTY TO PROVIDE

DOOR TYPE: #2
INTERIOR DOORS
3-PAIRS IN TOTAL

1 PAIR SPECIAL-LITE SL15 WIDE STILE MONUMENTAL DOORS WITH MID PANEL AND ALL REQUIRED INSULATED CLEAR GLAZING MATERIALS PREPPED FOR HARDWARE AS OUTLINED IN HARDWARE SECTION AND ALL SPECIALIZED HARDWARE DESCRIBED IN DOOR SECTION INCLUDING THAT WHICH IS MANUFACTURER SUPPLIED AND FACTORY INSTALLED

*ALL MEASUREMENTS, DIMENSION, AND TECHNICAL DATA TO BE FIELD DETERMINED AND IS NOT THE RESPONSIBILITY OF ALLEGHANY COUNTY TO PROVIDE