

REQUEST FOR PROPOSAL

AGND DOCUMENT 413

ISSUED BY: OFFICE OF THE ADJUTANT GENERAL
ATTN: NGND-DFE-CM
P.O. Box 5511
Bismarck, ND 58506-5511

PROPOSAL NO: RFP 18-03

DATE ISSUED: 27 November 2017

PROJECT NO: 1712

FOR INFORMATION CALL: Mr. Greg Oakland @ 701-235-5563

FOR SITE VISIT: Mr. Daniel Welsh @ 701-792-4566

SOLICITATION

The Owner requires performance of the work described as follows:

BUILDING REPAIRS, Buildings 1501, 1511, & 1531, Grand Forks, ND

Project consists of repair/demolish/salvage/replace hollow metal doors and frames with: new steel insulated swing doors, hollow metal frames, hardware, and accessories; re-keying; grout; preparation; joint sealants; paint finishes; dust barriers; cleanup; and miscellaneous work associated with the project.

Bidding documents referred to herein upon which all bids for construction work shall be based are as enumerated in the Table of Contents of the Request for Proposal.

PROVISIONS

1. **SEALED BIDS ONLY - FAXED PROPOSALS NOT ACCEPTED.** Sealed bids to perform the work required are due at the bid depository by **2:30 PM CST on December 19, 2017** at which time all bids will be opened and publicly read in the space designated. Sealed envelopes containing bids shall be marked with the name and address of the person, firm, or corporation submitting the bid, the proposal number and project name if so designated. The Bid Depository is at:

IF SUBMITTING VIA US MAIL: OFFICE OF THE ADJUTANT GENERAL ATTN.: DFE-CM P.O. BOX 5511 BISMARCK ND 58506-5511	IF TO STREET ADDRESS: OFFICE OF THE ADJUTANT GENERAL ATTN.: DFE-CM 30 FRAINE BARRACKS LANE BISMARCK ND 58504
---	---

2. Bid Security (Bid Bond) is is not required.
3. Performance Bond and Labor & Material Bond are are not required.
(If required, said bonds shall be forwarded within ten (10) days after receipt of notice of award.)
4. All proposals are subject to the work requirements, and other provisions and clauses incorporated in this Request for Proposal in full text or by reference.
5. Proposals providing less than **30** calendar days for Owner's acceptance after the date proposals are due will be considered nonresponsive and will be rejected.
6. The contractor shall **complete all work no later than August 31, 2018.**
7. Award will be made to the lowest responsible bidder meeting the requirements of the bidding documents and the stated time for performance.
8. The Owner reserves the right to reject any and all bid proposals and to waive irregularities, and shall incur no legal liability for the state for the payment of any moneys until the contract is awarded and approved by the necessary authorities.

ACKNOWLEDGMENT OF ADDENDA

(The Bidder acknowledges receipt of the following issued addenda - give number/date of each, if any.)

ADDENDUM #					
DATE:					

PROPOSAL

The undersigned being familiar with the local conditions affecting the cost of the solicitation, and after careful and complete examination of the bidding documents, hereby proposes to furnish the work required at the prices specified below:

BID ITEM NO. 1 (BUILDING REPAIRS, Building 1501) _____

_____ DOLLARS \$ _____

BID ITEM NO. 2 (BUILDING REPAIRS, Building 1511) _____

_____ DOLLARS \$ _____

BID ITEM NO. 3 (BUILDING REPAIRS, Building 1531) _____

_____ DOLLARS \$ _____

(Please express your bid in both words and numerals, i.e. like writing a check)

The undersigned further agrees to enter into an agreement with the Owner for the work at the price specified within ten (10) days after notice of award if this proposal is accepted by the Owner within the above specified acceptance period.

NAME/ADDRESS OF FIRM:

NAME/TITLE OF PERSON SUBMITTING THE PROPOSAL:

(Signature)

TELEPHONE NO.: _____

DATE: _____

FAX NO.: _____

EMAIL: _____

CONTRACTOR LICENSE INFORMATION

LICENSE NO. _____ CLASS _____ DATE OF ISSUANCE OR RENEWAL: _____

ENCLOSE A COPY OF YOUR CURRENT NORTH DAKOTA CONTRACTOR'S LICENSE IN A SEPARATE ENVELOPE WHICH IS ATTACHED TO THE ENVELOPE CONTAINING YOUR PROPOSAL.

TABLE OF CONTENTS

A. Request for Proposal No. RFP 18-03		1 – 2
B. Table of Contents		1 Only
C. General Provisions (AGND Document 414, June 2011 Edition)		1 – 3
D. Federal Provisions (AGND Document 419, October 2015 Edition)		1 – 2
E. Specifications:		
01000	GENERAL REQUIREMENTS	1 - 4
02 4100	DEMOLITION	1 Only
07 9200	JOINT SEALANTS	1 - 2
08 1113	HOLLOW METAL DOORS AND FRAMES	1 - 3
08 7100	DOOR HARDWARE	1 - 5
09 9113	EXTERIOR PAINTING	1 - 3
F. Drawing Sheets:	A3.1 and A3.2	2 Each

END OF TABLE OF CONTENTS

GENERAL PROVISIONS

ARTICLE 1

BIDDER'S REPRESENTATIONS

- 1.1 Each Bidder, by making a Bid, represents that the Bidder has read and understands the Bidding Documents and the Bid is made in accordance therewith.
- 1.2 The Bidder further represents that the Bid is based upon the materials, systems, and equipment required by the Bidding Documents without exception.

ARTICLE 2

INSPECTION OF SITE

- 2.1 Before submitting a bid for the Work contemplated, the Bidder shall examine the site of the proposed Work and become thoroughly familiar with all of the existing conditions and limitations affecting the performance of the Bidder's work. No extra compensation will be allowed because of misunderstanding as to the amount of Work involved or Bidder's lack of knowledge of any existing conditions which could have been discovered or reasonably anticipated prior to bidding.
- 2.2 The work site may be inspected during duty hours, 8:00 AM to 4:00 PM, Monday through Friday, by contacting the individual listed on page 1 of the Request for Proposal (AGND Document 413) under "For Information Call."

ARTICLE 3

CONTRACTOR LICENSE REQUIREMENTS

- 3.1 In compliance with Section 43-07-12 of the North Dakota Century Code, each Contractor submitting a Bid whose cost, value or price exceeds the sum of \$2,000.00 must have a North Dakota Contractor's License for the amount of the Bid, and such license must have been in effect at least ten days prior to the date of Bid Opening.
- 3.2 All subcontractors employed under this Contract whose subcontract cost, value, or price exceeds the sum of \$2,000.00 must have in possession prior to commencing work a current North Dakota Contractor's License.

ARTICLE 4

STANDARDS AND FEES

- 4.1 All work, materials, and equipment in this Contract shall comply in all respects with the requirements of the federal, county, city, and state of North Dakota applicable ordinances, regulations, and codes. Where above codes conflict with one another, the code with the more stringent requirements shall apply.

- 4.2 All permits, licenses, fees, and service charges required in connection with the Work shall be secured and paid for by the Contractor and shall be included as a part of the bid. Upon completion of Work, the Contractor shall furnish the Owner with proof of acceptance of the Work from the proper local and/or state department having jurisdiction.

ARTICLE 5

CONTRACTOR RESPONSIBILITIES

- 5.1 The Contractor shall be totally responsible for all of the Work from the day of the Contract until final acceptance of the Work by the Owner. All workers shall be skilled in their trade or shall work under a journeyman. No apprentice worker shall be in responsible charge of any phase of the Work.
- 5.2 The work shall be carefully laid out in advance. Any damage caused by the Contractor to building structure, piping, equipment, or wiring as a result of the installation shall be repaired by skilled mechanics of the trade involved, to the satisfaction of the Owner.
- 5.3 All materials and equipment shall be adequately protected against physical damage. Damaged equipment shall be placed in first class operating condition or returned to source of supply for repair or replacement, as determined by the Owner.
- 5.4 Any Work performed by this Contractor shall be coordinated with the Owner to allow for minimum inconvenience to the Owner. The existing facility is operating and operation must be maintained continuously.
- 5.5 The Contractor, at all times, shall keep the premises free from accumulation of waste materials or rubbish caused by the Contractor's operations.

ARTICLE 6

TEMPORARY FACILITIES

- 6.1 The Owner shall make all reasonably required amounts of utilities available to the Contractor from existing outlets and supplies unless otherwise specified within the specifications. Electrical power SHALL NOT be used for heating. The Contractor shall carefully conserve any utilities furnished.
- 6.2 The Contractor, at the Contractor's expense and in a manner satisfactory to the Owner, shall install and maintain all necessary temporary connections and distribution lines.

ARTICLE 7

FINAL ACCEPTANCE

- 7.1 At the completion of the Work, the Contractor shall remove all waste materials and rubbish from and about the work site as well as tools, construction equipment, machinery, and surplus materials.

7.2 The Contractor shall notify the Owner in writing when all Work under this Contract is complete and ready for final inspection. Upon receipt of this letter, the Owner, will then schedule a final inspection.

7.3 If necessary, after final inspection the Contractor will be provided with a "punch-list" of items remaining to be completed and/or corrected. Contractor will notify the Owner when all punch-list items have been completed. Owner will re-inspect and if it is determined that the work is totally complete, final payment will be made to the Contractor.

ARTICLE 8

GUARANTEE

8.1 The Contractor shall guarantee and maintain the stability of all work and materials and keep same in perfect repair and condition for the period of one year, except where longer warranty period is specified. Defects of any kind, due to faulty work or materials appearing during the above mentioned period, must be immediately made good by the Contractor at the Contractor's own expense to the entire satisfaction of the Owner. Where Work is required to be replaced, the one-year warranty shall be reinstated for that Work from the date of replacement.

8.2 The guarantee shall not apply to injuries or damages occurring after final acceptance due to "acts of God," fire, violence, abuse or carelessness of other contractors or agents of the Owner. This guarantee shall be extended where other guarantees for different lengths of time are specifically called for.

ARTICLE 9

SUBSTITUTION OF MATERIALS

9.1 Bids shall be based on exact materials specified or on materials which have been accepted as equal. The specified products which have been used in the design of this project establish minimum standards of function, dimension, appearance, and quality necessary and requisite for this project, which substitutes must meet to be considered acceptable. The burden of proof of equality rests with the party making the request. Requests for substitutions shall be submitted in electronic PDF format and shall be received by the Owner not later than seven (7) days before Bid Opening date. Materials not specified or accepted as equal shall not be acceptable for installation.

9.2 Final approval of all equipment shall be contingent on shop drawing acceptance, compliance with the specification and performance criteria as scheduled, and acceptable installation. General approval to bid a product does not relieve the supplier or Contractor of meeting specific specification requirements.

9.3 The Contractor shall pay, provide, install, and be responsible for extra materials required by the Contractor or any other trade due to the Contractor's use of alternate accepted equipment which has installation requirements different than the specified equipment. The Contractor shall

pay other trades for any extra work they are involved in due to this substitution of equipment. The Contractor shall also be responsible and shall pay for all redesign work associated with the installation requirements of the substituted equipment.

ARTICLE 10

LIST OF MATERIALS/EQUIPMENT AND SUBCONTRACTORS

10.1 Within ten days after issuance of a Contract for this project, the Contractor shall submit a copy of a list of materials, equipment, and subcontractors which the Contractor intends to use in the execution of this Contract. This list shall be submitted to, and accepted by, the Owner before placing orders or submitting shop drawings.

ARTICLE 11

SHOP DRAWINGS

11.1 Prior to the commencement of Work and before ordering any equipment, the Contractor shall review, stamp as approved, and submit to the Owner shop drawings, product data and samples as required by the Owner. Unless otherwise specifically directed by the Owner, submit all shop drawings with sheet sizes up to and including 11"x 17" in electronic PDF format. Shop drawings with a sheet size larger than 11"x17" may be submitted either in an electronic PDF format or in the form of opaque reproductions. Submit one copy of electronic shop drawings. For opaque reproductions, submit the number of shop drawings which the Contractor requires (to include three for maintenance manuals, if specified), plus four copies which will be retained by the Owner.

11.2 Owner's acceptance of shop drawings shall not be considered as a guarantee of quantities, measurements, or building conditions; nor shall it relieve the Contractor of basic responsibilities under the Contract.

ARTICLE 12

AS-BUILT DRAWINGS

12.1 When drawings are furnished as a part of the Contract Documents, Contractor shall keep a record of all changes on the Contractor's set of drawings. At job completion, the Contractor shall present same to Owner. Location changes of hidden items shall be dimensioned for future reference

ARTICLE 13

MAINTENANCE MANUALS

13.1. Operation and maintenance data shall be submitted electronically in PDF format on three (3) Read/Write (R/W) Compact Disks (CDs) formatted to allow data to be read and copied. Each respective Contractor shall provide one copy of their electronic maintenance manual to the Owner for review before final inspection. Provide an index showing items, subdivided, organized and labeled to allow access to the data. CD shall consist of directory listing names, addresses and telephone numbers of Contractor, subcontractors and suppliers. Provide for equipment clearly labeled on the CD. Where contents include manufacturer's catalog pages, indicate the precise items included.

13.2 Descriptive Literature shall include manufacturer's catalog and data. Literature shall show capacities and size of equipment used and be marked indicating applicable data with a copy of the approved Shop Drawing(s) with changes made during construction. Material Safety Data Sheet (MSDS) shall be included in the maintenance manual.

13.3 Operating instructions shall include step by step procedure to follow in putting equipment into operation.

13.4 Manufacturer's Maintenance instructions shall be included and shall include installation, parts numbers and lists, operation, name of vendor, maintenance and lubrication. Indicate name, model, serial number, and nameplate and applicable/required test run reports.

ARTICLE 14

MISCELLANEOUS PROVISIONS

14.1 INDEMNIFICATION

The Contractor shall defend, indemnify, and hold harmless the Owner (The Adjutant General, State of North Dakota), its agents, officers, and employees from any and all claims of any nature, including all costs, expenses and attorneys' fees, that may in any manner result from or arise out of this Contract, except for claims resulting from or arising out of the Owner's sole negligence. The legal defense provided by

the Contractor to the Owner under this provision must be free of any conflicts of interest, even if retention of separate legal counsel for the Owner is necessary. Contractor also agrees to defend, indemnify, and hold the Owner harmless for all costs, expenses and attorneys' fees incurred in establishing and litigating the indemnification coverage provided herein. This obligation shall continue after the termination of this Contract.

14.2 EMPLOYEE PREFERENCE

Except when a preference or discrimination is prohibited elsewhere in these Contract Documents, in connection with the performance of Work under this Contract, the Contractor must give preference to the employment of bona fide North Dakota residents, as determined by NDCC 54-01-26, with preference given first to honorable discharged disabled veterans and veterans of the armed forces of the United States, as defined in NDCC 37-19.1-01, who are deemed to be qualified in the performance of said Work.

14.3 MATERIALS PREFERENCE

Price and quality being equal or better, the Contractor must purchase materials manufactured or produced in the state of North Dakota, or materials manufactured or produced in part in North Dakota, for use on this project.

14.4 TERMINATION BY THE OWNER

The Owner, by written notice, may terminate this Contract under any of the following conditions:

- .1 If funding from federal, state, or other sources is not available at levels sufficient to allow for the continuation of the Work.
- .2 If federal or state laws or rules are modified or interpreted in a way that the Work under this contract is no longer eligible for the funding proposed for payments authorized by this contract.
- .3 If any license, permit or certificate required by law or rule, or by the terms of this contract, is for any reason denied, revoked, suspended or not renewed.

FEDERAL PROVISIONS

The following federal laws and regulations apply to this contract.

NONDISCRIMINATION

The Contractor agrees that no person shall be subject to discrimination or denied benefits in connection with the Contractor's performance under this Contract. Accordingly and to the extent applicable, the Contractor covenants and agrees to comply with the following national policies on discrimination:

- a. On the basis of race, color, or national origin, in Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq.), as implemented by DoD regulations at 32 CFR Part 195;
- b. On the basis of race, color, or national origin, in Executive Order 11246 as implemented by Department of Labor regulations at 41 CFR Chapter 60;
- c. On the basis of sex or blindness, in Title IX of the Education Amendments of 1972 (20 U.S.C. Section 1681, et seq.), as implemented by DoD regulations at 32 CFR Part 196;
- d. On the basis of Age, in the Age Discrimination Act of 1975 (42 U.S.C. Section 6101 et seq.) as implemented by Department of Health and Human Services regulations at 45 CFR Part 90;
- e. On the basis of handicap, in Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) as implemented by Department of Justice regulations at 28 CFR part 41 and DoD Regulations at 32 CFR Part 56.

LOBBYING

- a. The Contractor covenants and agrees that it will not expend any funds appropriated by Congress to pay any person for influencing or attempting to influence an officer or employee of any agency, or a Member of Congress in connection with any of the following covered federal actions. The awarding of any federal contract; the making of any federal grant; the making of any federal loan; the entering into of any cooperative agreement; and, the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.
- b. The Final Rule, New Restrictions on Lobbying, issued by the Office of Management and Budget and the Department of Defense (32 CFR Part 28) to implement the provisions of Section 319 of Public Law 101-121 (31 U.S.C. Section 1352) is incorporated by reference and the Contractor agrees to comply with all the provisions thereof, including any amendments to the Interim Final Rule that may hereafter be issued.

DRUG-FREE WORK PLACE

The Contractor covenants and agrees to comply with the requirements regarding drug-free workplace requirements in 32 CFR Part 26, which implements Section 5151-5160 of the Drug-Free Workplace act of 1988 (Public Law 100-690, Title V, Subtitle D; 41 U.S.C. 701 et seq.).

ENVIRONMENTAL PROTECTION

a. The contractor covenants and agrees that its performance under this Contract shall comply with:

- (1) The requirements of Section 114 of the Clean Air Act (42. U.S.C. Section 7414);
- (2) Section 308 of the Federal Water Pollution Control Act (33 U.S.C. Section 1318), that relates generally to inspection, monitoring, entry reports, and information, and with all regulations and guidelines issued thereunder;
- (3) The Resources Conservation and Recovery Act (RCRA);
- (4) The Comprehensive Environmental Response, Compensation and Liabilities Act (CERCLA);
- (5) The National Environmental Policy Act (NEPA);
- (6) The Solid Waste Disposal Act (SWDA);
- (7) The applicable provisions of the Clean Air Act (42 U.S.C. 7401, et seq.) and Clean Water Act (33 USC 1251, et seq.), as implemented by Executive Order 11738 and Environmental Protection Agency (EPA) rules at 40 CFR part 31;
- (8) To identify any impact this award may have on the quality of human environment and provide help as needed to comply with the National Environmental Policy Act (NEPA, 42 U.S.C 4321, et seq.) and any applicable federal, state or local environmental regulation.

b. In accordance with the EPA rules, the parties further agree that the Contractor shall also identify to the awarding agency any impact this award may have on:

- (1) The quality of the human environment, and provide help the agency may need to comply with the National Environmental Policy Act (NEPA, at 42 U.S.C 4321, et seq.) and to prepare Environment Impact Statements or other required environmental documentation. In such cases, the recipient agrees to take no action that will have an adverse environmental impact (e.g., physical disturbance of a site such as breaking of ground) until the agency provides written notification of compliance with the environmental impact analysis process.

(2) Flood-prone areas, and provide help the agency may need to comply with the National Flood Insurance Act of 1968 and Flood Disaster Protection Act of 1973 (42 U.S.C. 4001, et seq.), which require flood insurance, when available, for federally assisted construction or acquisition in flood-prone areas.

(3) Coastal zones, and provide help the agency may need to comply with the Coastal Zone Management Act of 1972 (16 U.S.C. 1451, et seq.), concerning protection of U.S. coastal resources.

(4) Coastal barriers, and provide help the agency may need to comply with the Coastal Barriers Resource Act (16 U.S.C. 3501 et seq.), concerning preservation of barrier resources.

(5) Any existing or proposed component of the National Wild and Scenic Rivers System, and provide help the agency may need to comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. 1271 et seq.).

(6) Underground sources of drinking water in areas that have an aquifer that is the sole or principal drinking water source, and provide help the agency may need to comply with the Safe Drinking Water Act (42 U.S.C. 300H-3).

USE OF UNITED STATES FLAG CARRIERS

a. The Contractor covenants and agrees that travel supported by U. S. Government funds under this agreement shall use U. S.-flag air carriers (air carriers holding certificates under 49 U. S. C. 41102) for international air transportation of people and property to the extent that such service is available, in accordance with the International Air Transportation Fair Competitive Practices Act of 1974 (49 U.S.C. 40118) and the inter-operative guidelines issued by the Comptroller General of the United States in the March 31, 1981, amendment to Comptroller General Decision B138942.

b. The Contractor agrees that it will comply with the Cargo Preference Act of 1954 (49 U.S.C. Chapter 553), as implemented by Department of Transportation regulation at 46 CFR 381.7, and 46 CFR 381.7(b).

DEBARMENT AND SUSPENSION

The Contractor is subject to the non-procurement debarment and suspension regulations implementing Executive Orders 12549 and 12689, 2 CFR part 180. These regulations restrict awards, subawards, and contracts with certain parties that are debarred, suspended, or otherwise excluded from or ineligible for participation in Federal assistance programs or activities. The Contractor agrees to comply with the DOD implementation of 2 CFR Part 180 (at 2 CFR Part 1125) by checking the Excluded Parties List System (EPLS) at www.sam.gov to verify contractor eligibility to receive contracts and subcontracts resulting from this Agreement. The Contractor shall not solicit offers from, nor award contracts to contractors listed in EPLS. This verification shall be documented in the contractor contract files and shall be subject to audit by the Federal/State audit agencies.

BUY AMERICAN ACT

The Contractor covenants and agrees that it will not expend any funds appropriated by Congress without complying with The Buy American Act (41 U.S.C. 10a et seq.). The Buy American Act gives preference to domestic end products and domestic construction material. In addition, the Memorandum of Understanding between the United States of America and the European Economic Community (EEC) on Government Procurement, and the North American Free Trade Agreement (NAFTA), provide that EEC and NAFTA end products and construction materials are exempted from application of the Buy American Act.

UNIFORM RELOCATION ASSISTANCE AND REAL PROPERTY ACQUISITION POLICIES ACT

The Contractor covenants and agrees that it will comply with CFR 49 part 24, which implements the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (42 U.S.C. Section 4601 et seq.) and provides for fair and equitable treatment of persons displaced by federally assisted programs or persons whose property is acquired as a result of such programs.

COPELAND “ANTI-KICKBACK” ACT

The Contractor covenants and agrees that it will comply with the Copeland “Anti-Kickback” Act (18 U.S.C. 874) as supplemented in Department of Labor regulations (29 CFR Part 3). As applied to this Contract, the Copeland “Anti-Kickback” Act makes it unlawful to induce, by force, intimidation, threat of procuring dismissal from employment, or otherwise, any person employed in the construction or repair of public buildings or public works, financed in whole or in part by the United States, to give up any part of the compensation to which that person is entitled under a contract of employment.

CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

The Contractor covenants and agrees that it will comply with Sections 103 and 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. Sections 3701-3708) as supplemented by Department of Labor regulations (29 CFR Part 5). As applied to this Contract, the Contract Work Hours and Safety Standards Act specifies that no laborer or mechanic doing any part of the work contemplated by this Contract shall be required or permitted to work more than 40 hours in any workweek unless paid for all additional hours at not less than 1 1/2 times the basic rate of pay.

UNIVERSAL IDENTIFIER REQUIREMENT

The Contractor is required to provide their Data Universal Numbering System (DUNS) number to be in compliance with the Federal Funding Accountability and Transparency Act of 2006.

SECTION 01100 SUMMARY OF WORK

.01 CONSTRUCTION SCHEDULE:

- a. All material shall be ordered immediately upon issuance of purchase order.
- b. Construction work shall start commensurate with material delivery schedule, and shall be diligently pursued to the end that all construction is totally completed on or before August 31, 2018. The time stated for completion shall include final cleanup of the premises.
- c. **NOTE:** Contractor must consider that once project construction is initiated after receipt purchase order, all general requirement responsibilities will continue for the duration of the entire construction period.
- d. The Contractor shall furnish not less than forty-eight (48) hours notice prior to starting work. Notice shall be furnished to the Director of Facilities Engineering – COL Clark V. Johnson, P. E., Fraine Barracks, Bismarck, North Dakota - Telephone: (701) 333-2075 and to Mr. Dan Welsh, Grand Forks, North Dakota - Telephone: (701) 792-4566.
- e. In order to complete the work in the stipulated time, the Contractor may elect to work longer than eight (8) hours in any one day, or forty (40) hours in any one (1) week. However, he must notify the Office of the Adjutant General's field representative of his intentions to do so not less than twenty-four (24) hours before the scheduled overtime. The Contractor's Project Superintendent/Foreman **MUST BE** on the job site supervising **ALL** scheduled overtime work.

.02 SITE LAYOUT AND MEASUREMENTS:

See AGND Document 414 General Provisions, Article 5 Par. 5.1.

.03 LOCATION OF UTILITIES:

- a. The Contractor shall familiarize himself with location of all existing sewer mains, storm mains, water mains, gas mains, telephone cables, cable TV, power lines, street light wiring, and all of their associated service lines, and appurtenances such as poles, guy wires, supports, pads, valve boxes, stop boxes, manholes, and clean-outs pertaining to utility service. The Contractor shall be responsible for notifying North Dakota One-Call at 1-800-795-0555 at least 48 hours before beginning any excavation, excluding Saturdays, Sundays, and holidays, and shall comply with all requirements of Section 49-23 of the North Dakota Century Code. The Contractor shall hire a qualified technician to locate those underground utility lines that are not covered by the North Dakota One-Call system. All costs associated with locating all utilities shall be the responsibility of the Contractor.
- b. The Contractor will be held responsible for damage to any underground or overhead piping, wiring, or other utility property, occurring during any excavation or construction by the Contractor or his subcontractors.

.04 CONTRACTOR COORDINATION:

a. The Contractor shall employ a full-time, on site Project Superintendent(s) who will be responsible for coordination of the work. Project Superintendent shall have a minimum of five (5) years experience in the field, and be approved by the Owner before onset of work. He shall be maintained by the Contractor throughout the project and not be replaced without approval of the Owner. The Contractor's Project Superintendent will be on site at all times during the execution of any work.

b. The Contractor shall, prepare and submit to the Owner, within ten (10) days purchase order a proposed construction progress schedule for approval. The construction schedule shall consist of a bar chart showing the order and interdependence of key activities and the sequence in which the work is to be accomplished. The project completion date (August 31, 2018) WILL BE shown on the chart as the latest completion date of ALL activities.

c. The Contractor's Project Superintendent shall coordinate all arrangements for project progress meetings which shall be held at maximum weekly. Attendance shall include, Owner's Representative(s), the Contractor and his Superintendents/Foremen. All subcontractors and suppliers involved in current major phases of work shall also be in attendance.

.05 WORKMANSHIP:

a. Completed work shall be left plumb, level, true to line or plane, anchored securely in place, and free from damage.

b. Unless otherwise called for, all pieces of material shall be as large a stock size as is in conformity with standard good practice of the trade.

.06 PUBLIC CONVENIENCE:

See AGND Document 414 General Provisions, Article 5 Par. 5.4.

.07 PRE-CONSTRUCTION MEETING:

Not more than fifteen (15) days after date of notice to proceed, the Owner shall call a pre-construction meeting. Required in attendance shall be Owner's representative(s), the Contractor and his Superintendent/Foremen together with the major subcontractors and suppliers. The general purpose of meeting will be to: review contract documents; review Owner procedures, documentation requirements, and general project overview agenda; procedures for processing of subcontractors approval, product approval, schedule of values and progress schedule; designation of personnel representing the Owner and the Contractor; procedures for processing field decisions, submittals, applications for payment, proposal requests and change orders; coordinate temporary facilities and controls; and discuss any other items of concern which relate to the Work.

.08 BUILDING PERMIT:

See AGND Document 414 General Provisions, Article 4 Par. 4.2.

SECTION 01200 DESCRIPTION OF BID ITEMS:

See AGND Document 413 REQUEST FOR PROPOSAL.

SECTION 01300 SUBMITTALS AND SUBSTITUTIONS:

.01 SCOPE OF WORK:

Individual submittals required shall be in accordance with Pertinent sections of these specifications.

.02 SUBSTITUTIONS:

See AGND Document 414 General Provisions, Article 9.

.03 SHOP DRAWINGS:

See AGND Document 414 General Provisions, Article 11.

.04 PROJECT RECORD DOCUMENTS:

See AGND Document 414 General Provisions, Article 12.

SECTION 01400 TESTING LABORATORY SERVICES:

Not used.

SECTION 01500 TEMPORARY FACILITIES:

.01 UTILITIES:

a. Water:

See AGND Document 414 General Provisions, Article 6. Par 6.1.

b. Light & Power:

See AGND Document 414 General Provisions, Article 6. Par 6.1.

.02 TELEPHONE:

The Contractor shall provide a temporary telephone (cellular is acceptable) for the entire construction period.

.03 FIELD OFFICE AND STORAGE:

a. Temporary field offices and/or storage buildings are not a requirement for this project, however, the Owner has no objection to Contractor providing and maintaining such structures on the project site. Remove same when work is complete.

b. Expenses for all utilities, services, equipment and furnishings for each temporary field office and/or storage building shall be the responsibility of the Contractor.

.04 FIELD TOILET:

Existing toilet facilities within Buildings 1501 and 1511, are available for use by the Contractor. Failure to maintain these facilities in a clean sanitary condition will be cause to prohibit use of existing toilet facilities.

.05 ENCLOSURES:

Furnish, install and maintain for the duration of construction all required scaffolds, tarpaulins, barricades, canopies, warning signs, steps, bridges, platforms, safety nets and all other temporary construction or devices necessary for proper completion of the Work in compliance with all safety and other regulations.

.06 ACCESS ROADS AND PARKING AREAS:

The Contractor shall provide and maintain all required access to the Work from paved areas and other routes, in strict accordance with all regulations governing the Contractor's use of the site.

.07 MAINTENANCE AND REMOVAL:

Maintain all temporary facilities and controls as long as needed for the safe and proper completion of the Work. Remove all such temporary facilities and controls as rapidly as progress of the Work will permit, or as directed by the Owner. Restore permanent facilities used during construction to specified condition.

SECTION 01600 CLEANING:

.01 PROGRESS CLEANING:

See AGND Document 414 General Provisions, Article 5. Par 5.5.

.02 SITE FINAL CLEANING:

a. Unless otherwise specifically directed by the Owner, broom clean paved areas on the site and public paved areas adjacent to the site, and completely remove resultant debris.

SECTION 01700 FINAL ACCEPTANCE:

See AGND Document 414 General Provisions, Article 7.

SECTION 02 4100
DEMOLITION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Selective demolition of building elements for alteration purposes.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Temporary Enclosures: May consist of sound salvage materials free of nails, splinters and sharp points.

PART 3 EXECUTION

3.01 SCOPE

- A. Remove existing hollow metal doors and frames as indicated on the drawings.
- B. Salvage existing door hardware locksets and cylinders for reuse as indicated on the drawings.

3.02 GENERAL PROCEDURES AND PROJECT CONDITIONS

- A. Do not begin removal until receipt of notification to proceed from Owner.
- B. Protect existing structures and other elements that are not to be removed.

3.03 SELECTIVE DEMOLITION FOR ALTERATIONS

- A. Remove existing work as indicated and as required to accomplish new work.
 - 1. Remove items indicated on drawings.
- B. Protect existing work to remain.
 - 1. Perform cutting to accomplish removals neatly and as specified for cutting new work.
 - 2. Repair adjacent construction and finishes damaged during removal work.
 - 3. Patch as specified for patching new work.

3.04 DEBRIS AND WASTE REMOVAL

- A. Remove debris, junk, and trash from site.
- B. Leave site in clean condition, ready for subsequent work.
- C. Clean up spillage and wind-blown debris from public and private lands.

END OF SECTION

SECTION 07 9200
JOINT SEALANTS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Nonsag gunnable joint sealants.
- B. Joint backings and accessories.

1.02 REFERENCE STANDARDS

- A. ASTM C920 - Standard Specification for Elastomeric Joint Sealants; 2014.
- B. ASTM C1193 - Standard Guide for Use of Joint Sealants; 2013.
- C. ASTM C1248 - Standard Test Method for Staining of Porous Substrate by Joint Sealants; 2008 (Reapproved 2012).

1.03 WARRANTY

- A. See Section 01700 - Contract Closeout, for additional warranty requirements.
- B. Correct defective work within a five year period after Date of Substantial Completion.
- C. Warranty: Include coverage for installed sealants and accessories that fail to achieve watertight seal, exhibit loss of adhesion or cohesion, or do not cure.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Nonsag Sealants: Permits application in joints on vertical surfaces without sagging or slumping.
 - 1. BASF Construction Chemicals-Building Systems: www.buildingsystems.basf.com.
 - 2. Dow Corning Corporation: www.dowcorning.com/construction.
 - 3. Pecora Corporation: www.pecora.com.
 - 4. The QUIKRETE Companies: www.quikrete.com.
 - 5. Tremco Global Sealants: www.tremcosealants.com.
 - 6. Sherwin-Williams Company: www.sherwin-williams.com.
 - 7. Sika Corporation: www.usa-sika.com.
 - 8. W.R. Meadows, Inc: www.wrmeadows.com.
 - 9. Substitutions: See Section 01300 - Submittals & Substitutions.

2.02 JOINT SEALANT APPLICATIONS

- A. Scope:
 - 1. Exterior Joints: Seal open joints, whether or not the joint is indicated on the drawings, unless specifically indicated not to be sealed. Exterior joints to be sealed include, but are not limited to, the following items.
 - a. Joints between door, window, and other frames and adjacent construction.
 - b. Joints between different exposed materials.
 - c. Openings below ledge angles in masonry.
 - d. Other joints indicated below.
 - 2. Interior Joints: Do not seal interior joints unless specifically indicated to be sealed. Interior joints to be sealed include, but are not limited to, the following items.
 - a. Joints between door, window, and other frames and adjacent construction.
 - b. Other joints indicated below.
 - 3. Do not seal the following types of joints.
 - a. Intentional weepholes in masonry.
 - b. Joints indicated to be treated with manufactured expansion joint cover or some other type of sealing device.
 - c. Joints where sealant is specified to be provided by manufacturer of product to be sealed.
 - d. Joints where installation of sealant is specified in another section.

- B. Exterior Joints: Use nonsag non-staining silicone sealant, unless otherwise indicated.
 - 1. Lap Joints in Sheet Metal Fabrications: Butyl rubber, non-curing.
- C. Interior Joints: Use nonsag polyurethane sealant, unless otherwise indicated.

2.03 NONSAG JOINT SEALANTS

- A. Non-Staining Silicone Sealant: ASTM C920, Grade NS, Uses M and A; not expected to withstand continuous water immersion or traffic.
 - 1. Movement Capability: Plus and minus 50 percent, minimum.
 - 2. Non-Staining To Porous Stone: Non-staining to light-colored natural stone when tested in accordance with ASTM C1248.
 - 3. Dirt Pick-Up: Reduced dirt pick-up compared to other silicone sealants.
- B. Polyurethane Sealant: ASTM C920, Grade NS, Uses M and A; single or multicomponent; not expected to withstand continuous water immersion or traffic.
 - 1. Movement Capability: Plus and minus 25 percent, minimum.
 - 2. Color: Match adjacent finished surfaces.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that joints are ready to receive work.
- B. Verify that backing materials are compatible with sealants.

3.02 PREPARATION

- A. Remove loose materials and foreign matter that could impair adhesion of sealant.
- B. Clean joints, and prime as necessary, in accordance with manufacturer's instructions.
- C. Perform preparation in accordance with manufacturer's instructions and ASTM C1193.
- D. Mask elements and surfaces adjacent to joints from damage and disfigurement due to sealant work; be aware that sealant drips and smears may not be completely removable.

3.03 INSTALLATION

- A. Perform work in accordance with sealant manufacturer's requirements for preparation of surfaces and material installation instructions.
- B. Perform installation in accordance with ASTM C1193.
- C. Install bond breaker backing tape where backer rod cannot be used.
- D. Install sealant free of air pockets, foreign embedded matter, ridges, and sags, and without getting sealant on adjacent surfaces.
- E. Do not install sealant when ambient temperature is outside manufacturer's recommended temperature range, or will be outside that range during the entire curing period, unless manufacturer's approval is obtained and instructions are followed.
- F. Nonsag Sealants: Tool surface concave, unless otherwise indicated; remove masking tape immediately after tooling sealant surface.

END OF SECTION

SECTION 08 1113

HOLLOW METAL DOORS AND FRAMES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Thermally insulated steel doors.

1.02 RELATED REQUIREMENTS

- A. Section 09 9113 - EXTERIOR PAINTING: Field painting.

1.03 REFERENCE STANDARDS

- A. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design; 2010.
- B. ANSI/SDI A250.8 - Specifications for Standard Steel Doors and Frames (SDI-100); 2014.
- C. ANSI/SDI A250.10 - Test Procedure and Acceptance Criteria for Prime Painted Steel Surfaces for Steel Doors and Frames; 2011.
- D. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2013.
- E. BHMA A156.115 - American National Standard for Hardware Preparation in Steel Doors and Steel Frames; 2014. (ANSI/BHMA A156.115)
- F. ICC A117.1 - Accessible and Usable Buildings and Facilities; International Code Council; 2009 (ANSI).
- G. NAAMM HMMA 840 - Guide Specifications for Installation and Storage of Hollow Metal Doors and Frames; The National Association of Architectural Metal Manufacturers; 2007.

1.04 SUBMITTALS

- A. See Section 01300 - Submittals & Substitutions, for submittal procedures.
- B. Product Data: Materials and details of design and construction, hardware locations, reinforcement type and locations, anchorage and fastening methods, and finishes; and one copy of referenced grade standard.
- C. Shop Drawings: Details of each opening, showing elevations, glazing, frame profiles, and identifying location of different finishes, if any.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.
- B. Maintain at the project site a copy of all reference standards dealing with installation.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Store in accordance with NAAMM HMMA 840.
- B. Protect with resilient packaging; avoid humidity build-up under coverings; prevent corrosion.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Steel Doors and Frames:
 - 1. Assa Abloy Ceco, Curries, or Fleming: www.assaabloydss.com.
 - 2. De La Fontaine Inc: www.delafontaine.com.
 - 3. Republic Doors: www.republicdoor.com.
 - 4. Steelcraft, an Allegion brand: www.allegion.com/us.
 - 5. Technical Glass Products; SteelBuilt Window & Door Systems: www.tgpamerica.com.
 - 6. Substitutions: See Section 01300 - Submittals & Substitutions.

2.02 DOORS AND FRAMES

- A. Requirements for All Doors and Frames:
 - 1. Accessibility: Comply with ICC A117.1 and ADA Standards.
 - 2. Door Top Closures: Flush with top of faces and edges.
 - 3. Door Edge Profile: Beveled on both edges.
 - 4. Door Texture: Smooth faces.
 - 5. Hardware Preparation: In accordance with BHMA A156.115, with reinforcement welded in place, in addition to other requirements specified in door grade standard.
 - 6. Galvanizing for Units in Wet Areas: Components hot-dipped zinc-iron alloy-coated (galvannealed) in accordance with ASTM A653/A653M, with manufacturer's standard coating thickness
 - 7. Finish: Factory primed, for field finishing.

2.03 STEEL DOORS

- A. Exterior Doors:
 - 1. Grade: ANSI/SDI A250.8 (SDI-100); Level 1 - Standard-Duty, Physical Performance Level C, Model 1 - Full Flush.
 - 2. Galvanizing: Components hot-dipped zinc-iron alloy-coated (galvannealed) in accordance with ASTM A653/A653M, with manufacturer's standard coating thickness.

2.04 STEEL FRAMES

- A. General:
 - 1. Comply with the requirements of grade specified for corresponding door.
 - 2. Provide mortar guard boxes for hardware cut-outs in frames to be installed in masonry or to be grouted.
- B. Exterior Door Frames: Face welded, seamless with joints filled.
 - 1. Galvanizing: Components hot-dipped zinc-iron alloy-coated (galvannealed) in accordance with ASTM A653/A653M, with manufacturer's standard coating thickness.
 - 2. Finish: Factory primed, for field finishing.
 - 3. Weatherstripping: Separate, see Section 08 7100.

2.05 ACCESSORY MATERIALS

- A. Grout for Frames: Portland cement grout of maximum 4-inch slump for hand troweling; thinner pumpable grout is prohibited.
- B. Temporary Frame Spreaders: Provide for all factory- or shop-assembled frames.

2.06 FINISH MATERIALS

- A. Primer: Rust-inhibiting, complying with ANSI/SDI A250.10, door manufacturer's standard.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify that opening sizes and tolerances are acceptable.

3.02 INSTALLATION

- A. Install in accordance with the requirements of the specified door grade standard and NAAMM HMMA 840.
- B. Coordinate frame anchor placement with wall construction.
- C. Grout frames in masonry construction, using hand trowel methods; brace frames so that pressure of grout before setting will not deform frames.
- D. Coordinate installation of hardware.

3.03 TOLERANCES

- A. Maximum Diagonal Distortion: 1/16 in (1.5 mm) measured with straight edge, corner to corner.

3.04 ADJUSTING

- A. Adjust for smooth and balanced door movement.

END OF SECTION

SECTION 08 7100
DOOR HARDWARE

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Hardware for hollow metal doors.
- B. Thresholds.
- C. Weatherstripping, seals and door gaskets.
- D. Locksets and cylinders at existing doors to be salvaged and reused as indicated on the drawings.

1.02 RELATED REQUIREMENTS

- A. Section 08 1113 - Hollow Metal Doors and Frames.

1.03 REFERENCE STANDARDS

- A. 36 CFR 1191 - Americans with Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities; Architectural Barriers Act (ABA) Accessibility Guidelines; current edition.
- B. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design; 2010.
- C. BHMA A156.1 - American National Standard for Butts and Hinges; Builders Hardware Manufacturers Association, Inc.; 2013 (ANSI/BHMA A156.1).
- D. BHMA A156.4 - American National Standard for Door Controls - Closers; Builders Hardware Manufacturers Association, Inc.; 2013 (ANSI/BHMA A156.4).
- E. BHMA A156.7 - American National Standard for Template Hinge Dimensions; Builders Hardware Manufacturers Association; 2014 (ANSI/BHMA A156.7).
- F. BHMA A156.18 - American National Standard for Materials and Finishes; Builders Hardware Manufacturers Association, Inc.; 2012 (ANSI/BHMA A156.18).
- G. BHMA A156.21 - American National Standard for Thresholds; Builders Hardware Manufacturers Association; 2014 (ANSI/BHMA A156.21).
- H. BHMA A156.22 - American National Standard for Door Gasketing and Edge Seal Systems, Builders Hardware Manufacturers Association; 2012 (ANSI/BHMA A156.22).
- I. BHMA A156.115 - American National Standard for Hardware Preparation in Steel Doors and Steel Frames; 2014 (ANSI/BHMA A156.115).
- J. ICC A117.1 - Accessible and Usable Buildings and Facilities; International Code Council; 2009 (ANSI).
- K. NFPA 101 - Life Safety Code; National Fire Protection Association; 2015.
- L. UL (BMD) - Building Materials Directory; Underwriters Laboratories Inc.; current edition.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate the manufacture, fabrication, and installation of products that door hardware will be installed upon.

1.05 SUBMITTALS

- A. See Section 01300 - Submittals & Substitutions, for submittal procedures.

1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years of documented experience.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Package hardware items individually; label and identify each package with door opening code to match hardware schedule.

1.08 WARRANTY

- A. See Section 01700 - Contract Closeout, for additional warranty requirements.
- B. Provide five year warranty for door closers.

PART 2 PRODUCTS

2.01 DOOR HARDWARE - GENERAL

- A. Provide hardware specified or required to make doors fully functional, compliant with applicable codes, and secure to the extent indicated.
- B. Provide items of a single type of the same model by the same manufacturer.
- C. Provide products that comply with the following:
 - 1. Applicable provisions of federal, state, and local codes.
 - 2. Accessibility: ADA Standards and ICC A117.1.
 - 3. Applicable provisions of NFPA 101, Life Safety Code.
 - 4. Hardware Preparation for Steel Doors and Steel Frames: BHMA A156.115.
 - 5. Hardware for Smoke and Draft Control Doors (Indicated as "S" on Drawings): Provide hardware that enables door assembly to comply with air leakage requirements of the applicable code.
- D. Finishes: Provide door hardware of the same finish unless otherwise indicated.
 - 1. Primary Finish: Satin chrome plated over nickel on brass or bronze, 626 (approx US26D).
 - 2. Finish Definitions: BHMA A156.18.
 - 3. Exceptions:
 - a. Where base metal is specified to be different, provide finish that is an appearance equivalent according to BHMA A156.18.

2.02 LOCKS AND LATCHES

- A. Locks: Provide a lock for every door, unless specifically indicated as not requiring locking.
 - 1. Hardware sets indicate locking functions required for each door.
 - 2. Trim: Provide lever handle or pull trim on outside of all locks unless specifically stated to have no outside trim.
 - 3. Lock Cylinders: Provide key access on outside of all locks unless specifically stated to have no outside trim.
- B. Lock Cylinders: Manufacturer's standard tumbler type, six pin standard core.
 - 1. Provide cams and/or tailpieces as required for locking devices required.
- C. Keying: Key to existing keying system.
- D. Locks: Salvage locksets from existing doors that are being removed and reuse locksets on new doors where indicated on the drawings.
- E. Lock Cylinders: Salvage lock cylinders from existing doors that are being removed and reuse lock cylinders on new doors.

2.03 MORTISE LOCKSETS

- A. Locking Functions: As defined by BHMA A156.13 and as follows:
 - 1. Entry, Deadbolt: f20, may be locked without key, free egress.
- B. Manufacturers - Mortise Locksets:
 - 1. Assa Alboy Brands; Corbin Russwin, Sargent, or Yale.
 - 2. Best Access Systems, division of Stanley Security Solutions.
 - 3. DORMA USA, Inc.
 - 4. Hager Companies.
 - 5. Schlage, an Allegion Brand.
 - 6. Substitutions: See Section 01300 - Submittals & Substitutions.

2.04 HINGES

- A. Hinges: Provide hinges on every swinging door.
 - 1. Provide five-knuckle full mortise butt hinges unless otherwise indicated.
 - 2. Provide ball-bearing hinges at all doors having closers.
 - 3. Provide hinges in the quantities indicated.
 - 4. Provide non-removable pins on exterior outswinging doors.
- B. Butt Hinges: Comply with BHMA A156.1 and A156.7; heavyweight, unless otherwise indicated.
 - 1. Provide hinge width required to clear surrounding trim.
- C. Quantity of Hinges Per Door:
 - 1. Doors From 60 inches (1.5 m) High up to 90 inches (2.3 m) High: Three hinges.
 - 2. Doors From 90 inches (2.3 m) High up to 120 inches (3 m) High: Four hinges.
- D. Manufacturers - Hinges:
 - 1. Assa Abloy Brands; McKinney: www.assaabloydss.com.
 - 2. Bommer Industries, Inc: www.bommer.com.
 - 3. C. R. Laurence Co., Inc: www.crl-arch.com.
 - 4. Hager Companies: www.hagerco.com.
 - 5. Stanley Black & Decker: www.stanleyblackanddecker.com.
 - 6. Substitutions: See Section 01300 - Submittals & Substitutions.

2.05 CLOSERS

- A. Closers: Complying with BHMA A156.4.
 - 1. Provide surface-mounted, door-mounted closers unless otherwise indicated.
 - 2. Provide a door closer on every exterior door.
 - 3. At outswinging exterior doors, mount closer in inside of door.
- B. Manufacturers - Surface Mounted Closers:
 - 1. Assa Abloy Brands; Corbin Russwin, Norton, Rixson, Sargent, or Yale: www.assaabloydss.com.
 - 2. C. R. Laurence Co., Inc: www.crl-arch.com.
 - 3. DORMA USA, Inc.; 7400 Series, 8600 Series, 8900 Series, and TS93: www.dorma.com.
 - 4. Hager Companies: www.hagerco.com.
 - 5. LCN, an Allegion brand: www.allegion.com/us.
 - 6. Substitutions: See Section 01300 - Submittals & Substitutions.

2.06 STOPS AND HOLDERS

- A. Overhead Holders/Stops: Overhead holders/stops to work in conjunction with door closers.
- B. Manufacturers - Overhead Holders/Stops:
 - 1. Assa Abloy Brands; Rixson or Sargent: www.assaabloydss.com.
 - 2. C. R. Laurence Co., Inc: www.crl-arch.com.
 - 3. DORMA USA, Inc.; 900 Series: www.dorma.com.
 - 4. Glynn-Johnson, an Allegion brand: www.allegion.com/us.
 - 5. Substitutions: See Section 01300 - Submittals & Substitutions.

2.07 GASKETING AND THRESHOLDS

- A. Gaskets: Complying with BHMA A156.22.
 - 1. On each exterior door, provide closed cell sponge neoprene weatherstripping gaskets, unless otherwise indicated; top, sides, and meeting stiles of pairs.
 - 2. On each exterior door, provide door bottom solid sponge neoprene sweep strips, unless otherwise indicated.
- B. Thresholds: Complying with BHMA A156.21.
 - 1. At each exterior door, provide a threshold unless otherwise indicated.
 - 2. Field cut threshold to frame for tight fit.
 - 3. Threshold must be ADA compliant with a 1/2" sill maximum.

- C. Fasteners At Exterior Locations: Non-corroding.
- D. Manufacturers - Gasketing and Thresholds:
 - 1. Assa Abloy Brands; McKinney: www.assaabloydss.com.
 - 2. Hager Companies: www.hagerco.com.
 - 3. National Guard Products, Inc: www.ngpinc.com.
 - 4. Pemko Manufacturing Co: www.pemko.com.
 - 5. Zero International, Inc: www.zerointernational.com.
 - 6. Substitutions: See Section 01300 - Submittals & Substitutions.

2.08 PROTECTION PLATES AND ARCHITECTURAL TRIM

- A. Protection Plates:
 - 1. Armor Plates: Provide Stainless Steel Armor Plate on push side of every door with closer.
- B. Drip Guard: Provide projecting drip guard over all exterior doors.
- C. Manufacturers - Protection Plates and Architectural Trim:
 - 1. Assa Abloy Brands; McKinney: www.assaabloydss.com.
 - 2. C. R. Laurence Co., Inc: www.crl-arch.com.
 - 3. Hager Companies: www.hagerco.com.
 - 4. Hiawatha, Inc, division of Activar Construction Products Group, Inc: www.activarcpg.com/hiawatha.
 - 5. Trimco, originally called Triangle Brass Manufacturing Co., Inc: www.trimcohardware.com.
 - 6. Substitutions: See Section 01300 - Submittals & Substitutions.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that doors and frames are ready to receive work; labeled, fire-rated doors and frames are present and properly installed, and dimensions are as indicated on shop drawings.

3.02 INSTALLATION

- A. Install hardware in accordance with manufacturer's instructions and applicable codes.
- B. Use templates provided by hardware item manufacturer.
- C. Set exterior door thresholds with full-width bead of elastomeric sealant on each point of contact with floor providing a continuous weather seal; anchor thresholds with stainless steel countersunk screws.

3.03 ADJUSTING

- A. Adjust hardware for smooth operation.
- B. Adjust gasketing for complete, continuous seal; replace if unable to make complete seal.

3.04 CLEANING

- A. Clean adjacent surfaces soiled by hardware installation. Clean finished hardware per manufacturer's instructions after final adjustments has been made. Replace items that cannot be cleaned to manufacturer's level of finish quality at no additional cost.

HARDWARE SETS

4.01 HARDWARE SETS - GENERAL

- A. These Hardware Sets indicate requirements for single doors of that type, with conditional requirements for pairs and other situations.

4.02 SWING DOORS - LOCKABLE, MAY BE LEFT UNLOCKED, KEY NOT REQUIRED TO LOCK

- A. HW-11: Entrance, Exterior
 - 1. Mortise Lockset
 - a. Key to existing Medeco building locking system.
 - 2. Hinges as required – 3 per door leaf.

3. Closer
4. Holdopens
5. Kickplate
6. Weatherstripping & Sweep
7. Threshold

4.03 SWING DOORS - LOCKABLE, MAY BE LEFT UNLOCKED, KEY NOT REQUIRED TO LOCK

- A. HW-13: Entrance, Exterior
 1. Mortise Lockset
 - b. Key to existing Medeco building locking system.
 2. Hinges as required – 4 per door leaf.
 3. 2 Closers
 4. Holdopens
 5. Armorplate
 6. Weatherstripping & Sweep
 7. Threshold
 8. One leaf inactive, automatic or self-closing flush bolts as required to comply with code.

4.04 SWING DOORS - REUSE EXISTING LOCKSETS & CYLINDERS

- A. HW-15: Entrance, Exterior
 1. Reuse Existing Salvaged Lockset & Cylinder.
 2. New Hinges as required – 3 per door leaf.
 3. Reuse Existing Closer
 4. New Armorplate
 5. New Weatherstripping & Sweep
 6. New Threshold

END OF SECTION

SECTION 09 9113
EXTERIOR PAINTING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Surface preparation.
- B. Field application of paints.

1.02 REFERENCE STANDARDS

- A. MPI (APSM) - Master Painters Institute Architectural Painting Specification Manual; current edition, www.paintinfo.com.
- B. SSPC-SP 1 - Solvent Cleaning; 2015.
- C. SSPC-SP 2 - Hand Tool Cleaning; 1982 (Ed. 2004).
- D. SSPC-SP 6 - Commercial Blast Cleaning; Society for Protective Coatings; 2007.

1.03 SUBMITTALS

- A. See Section 01300 - Submittals & Substitutions, for submittal procedures.

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified, with minimum three years documented experience.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.
- B. Container Label: Include manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.
- C. Paint Materials: Store at minimum ambient temperature of 45 degrees F (7 degrees C) and a maximum of 90 degrees F (32 degrees C), in ventilated area, and as required by manufacturer's instructions.

1.06 FIELD CONDITIONS

- A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.
- B. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.
- C. Do not apply exterior paint and finishes during rain or snow, or when relative humidity is outside the humidity ranges required by the paint product manufacturer.
- D. Provide lighting level of 80 ft candles (860 lx) measured mid-height at substrate surface.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Provide paints and finishes used in any individual system from the same manufacturer; no exceptions.
- B. Paints:
 - 1. Benjamin Moore & Co: www.benjaminmoore.com.
 - 2. Diamond Vogel Paints: www.diamondvogel.com.
 - 3. Glidden Professional, a product of PPG Architectural Coatings: www.gliddenprofessional.com.
 - 4. Pratt & Lambert Paints: www.prattandlambert.com.
 - 5. Sherwin-Williams Company: www.sherwin-williams.com.
 - 6. Substitutions: See Section 01300 - Submittals & Substitutions.

2.02 PAINTS AND FINISHES - GENERAL

- A. Paints and Finishes: Ready mixed, unless required to be a field-catalyzed paint.
 - 1. Provide paints and finishes of a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.
 - 2. Provide materials that are compatible with one another and the substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.
 - 3. For opaque finishes, tint each coat including primer coat and intermediate coats, one-half shade lighter than succeeding coat, with final finish coat as base color.
 - 4. Supply each paint material in quantity required to complete entire project's work from a single production run.
 - 5. Do not reduce, thin, or dilute paint or finishes or add materials unless such procedure is specifically described in manufacturer's product instructions.

2.03 PAINT SYSTEMS - EXTERIOR

- A. Paint E-OP - Exterior Surfaces to be Painted, Unless Otherwise Indicated: Including primed metal.
 - 1. Two top coats and one coat primer.
- B. Paint ME-OP-2A - Ferrous Metals, Primed, Alkyd, 2 Coat:
 - 1. Touch-up with rust-inhibitive primer recommended by top coat manufacturer.
 - 2. Semi-gloss: Two coats of alkyd enamel.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that surfaces are ready to receive work as instructed by the product manufacturer.
- B. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially effect proper application.
- C. Test shop-applied primer for compatibility with subsequent cover materials.

3.02 PREPARATION

- A. Clean surfaces thoroughly and correct defects prior to application.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces for finishing.
- D. Seal surfaces that might cause bleed through or staining of topcoat.
- E. Remove mildew from impervious surfaces by scrubbing with solution of tetra-sodium phosphate and bleach. Rinse with clean water and allow surface to dry.
- F. Galvanized Surfaces:
 - 1. Remove surface contamination and oils and wash with solvent according to SSPC-SP 1.
 - 2. Prepare surface according to SSPC-SP 2.
- G. Ferrous Metal:
 - 1. Solvent clean according to SSPC-SP1.
 - 2. Remove rust, loose mill scale, and other foreign substances using methods recommended in writing by paint manufacturer and blast cleaning according to SSPC-SP 6 "Commercial Blast Cleaning". Protect from corrosion until coated.
- H. Metal Doors to be Painted: Prime and paint all 6 door edges at metal doors including top and bottom edge surfaces. Paint interior surfaces with the same type of paint used on the exterior.

3.03 APPLICATION

- A. Apply products in accordance with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual".
- B. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.
- C. Apply each coat to uniform appearance.
- D. Dark Colors and Deep Clear Colors: Regardless of number of coats specified, apply additional coats until complete hide is achieved.
- E. Sand metal surfaces lightly between coats to achieve required finish.
- F. Vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.

3.04 CLEANING

- A. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.

3.05 PROTECTION

- A. Touch-up damaged finishes after Substantial Completion.

END OF SECTION