



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
DEFK9016

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
JOHN ABBOTT
304-558-2544

RFQ COPY
 TYPE NAME/ADDRESS HERE

DIV ENGINEERING & FACILITIES
CAMP DAWSON ARMY TRAINING SITE
240 ARMY ROAD

KINGWOOD, WV
26537-1077 **304-329-4417**

VENDOR

SHIP TO

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
03/04/2009				

BID OPENING DATE: **03/19/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
				ADDENDUM #01		
				THIS ADDENDUM IS ISSUED TO CLARIFY, MODIFY, AND ADD TO THE ORIGINAL REQUEST FOR QUOTATION SPECIFICATIONS, PER THE ATTACHED DOCUMENTATION.		
				QUESTION PERIOD: ADDITIONAL QUESTIONS REGARDING THE SPECIFICATIONS AND THE ADDENDUM SHALL BE EMAILED TO JOHN ABBOTT, SR. BUYER, NO LATER THAN 3/11/2009; 2:00 PM. QUESTIONS SHALL BE EMAILED TO: JOHN.H.ABBOTT@WV.GOV		
0001	1	LS		968-20		
	BUILDING CONSTRUCTION					
***** THIS IS THE END OF RFQ DEFK9016 ***** TOTAL:						_____

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. All quotations are governed by the **West Virginia Code** and the **Legislative Rules** of the Purchasing Division.
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
5. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
6. Payment may only be made after the delivery and acceptance of goods or services.
7. Interest may be paid for late payment in accordance with the **West Virginia Code**.
8. Vendor preference will be granted upon written request in accordance with the **West Virginia Code**.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
11. The laws of the State of West Virginia and the **Legislative Rules** of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
14. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
15. **WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT:** If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Complete all sections of the quotation form.
4. Unit prices shall prevail in case of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130

Pre-Bid Meeting Minutes

Contract: DEFK9016

Engineer Skills Building, Camp Dawson, WV

The following constitutes Pre-bid Meeting Minutes for DEFK9016, Engineer Skills Building.

A pre-bid meeting was conducted at the site for the referenced project at 1330 hrs 26 Feb 2009. During the pre-bid meeting, LTC Suver welcomed those present for expressing interest in the subject project. Key Owner representatives were introduced and the following agenda items were covered:

1. ADMINISTRATIVE:

- a. All present contractors signed in.
- b. The project is a Federally funded, State administrated project.
- c. The user of the facility will be the West Virginia Army National Guard.
- d. The Administrator of the contract will be the Construction & Facilities Management Office, WVARNG.

2. INTRODUCTION:

- a. LTC Suver outlined key personnel associated with the project and address for the office. LTC Suver was introduced as the Administrative Contracting Officer, and Jeff Franklin as the Project Manager. Phone numbers and address were identified as follows:
 - i. Address
1703 Coonskin Drive
Charleston, WV 25311
 - ii. LTC Bill Suver Administrative Contracting Officer
Bill.suver@wv.ngb.army.mil
(304) 561-6454
 - iii. Jeff Franklin, Project Manager

- b. John Abbott is the buyer for State Purchasing Division. All questions must be submitted in writing to Mr. Abbott, who will distribute for resolution. Direct discussion is not authorized with the Engineer, the Facilities Engineer, or the Project Manager. State Wage Rates applies for this project. Bid Opening is set for 19 Mar 2009. @ 1:30 P.M.
3. The Designer of Record, Jerry Goff Architect.
- i. Address:
Jerry Goff Architecture
100 First Ave
St. Albans, WV 25177
Ph: (304) 722-3379
4. LTC Suver discussed security, work hours, access to the site, and temporary facilities. The Contractor will have access to the site from 0700 to 1800 hrs, Monday to Friday. If work hours must be modified, these will be approved on a case-by-case via the Project Manager (CPT Franklin). The contractor is required to provide to the Superintendent, a listing of personnel, which will be gaining access to the site. Superintendence: In accordance with Contract documents, the Contractor must maintain full-time, active superintendent on the job. The contractor will provide a port-a-john for all personnel involved with Construction. A list of all workers will be required in order to gain access to Camp Dawson.
5. Liquidated Damages is \$500 per day and there is 90 days to complete the project after the NTP.
6. All construction activities will be in conjunction with OHSA, Safety and Health Requirements Manual (US Army Corps of Engineers). As noted, the Army safety and health standards mirror OHSA. All construction activities on site will be a hardhat area and marked as such. Cleanup is required daily by each perspective sub and General Contractor: No open dumps of construction materials and no burning on site.
7. LTC Suver discussed the submittal process and encouraged the contractors to stay with the manufacturers outlined in the specifications and any proposed substitution must be submitted prior to bidding.
8. The meeting was opened for Questions by the Contractors. See attached addendum items.
9. LTC Suver closed the meeting and thanked the Contractors for their interest in the project. LTC Suver outlined that the meeting notes will be published through state purchasing, along with clarifications to contract documents. Any questions will be addressed through an Addendum released after the question period has closed. It was also stressed that any further questions between now and bid award must be directed to John Abbott at State Purchasing.

See Page 1 for questions submission.

Prepared by:



BILL SUVER
Business Manager
CFMO, WVARNG

ATTACHMENTS:
1: PRE-BID CONFERENCE SIGN IN SHEET
ADDENDUM ITEMS

JERRY GOFF, ARCHITECT**ADDENDUM**

100 First Avenue P.O. Box 1356 St. Albans, WV 25177 304 722-3379 Fax 304 722-3370

ADDENDUM NO. 1

To: Contractors
 From: Jerry Goff, AIA
 Date: March 3, 2009
 Re: Vertical Skills Building
 WVARNG Camp Dawson

Drawings and Specifications for the Vertical Skills Building, Kingwood, West Virginia dated January 9, 2009 as prepared by Jerry Goff Architecture, St. Albans, WV, are hereby amended and all costs accruing, which may result due to the following, shall be included in proposals for this project.

SPECIFICATIONS

BID FORM: All proposals are to be submitted on attached Bid Form.

08710 - Finish Hardware - Attached Section 08710 is hereby made part of the work.

DRAWINGS

1. Note CN-1: extend drywall on underside of roof trusses to six feet from fire rated wall.
2. DELETE note CN-5 on Drawing A-1.
3. The partition between Training Bay 101 and the center build out is not a fire rated partition, therefore, Door 01 and 20 are NOT fire rated doors.
4. Training Bays shall have drywall installed only on the center build out walls.
5. Interior stair handrail shall be painted in color as directed by Owner.
6. Interior, visible stair stringers shall be painted in color as directed by Owner.
7. Refer to Door Schedules on Drawings A-1 and A-2 for fire rated doors.
8. DELETE Door 02; relocated Door 08 to center of partition between Corridor 103 and Tool Room 102; Door 08 shall be type 'B' as shown on Drawing A-1.
9. Door hardware set numbers are listed in the Door Schedules on Drawings A-1 and A-2. Coordinate these numbers with specification section 08710, attached to this Addendum.
10. Metal-clad cables are permitted in the wood stud walls.
11. DRYWALL PARTITION DETAILS, DRAWING A-3: Where 2x6 studs make up wall framing, use 5 1/2" fire blanket insulation. Where 2x4 studs make up wall framing, use 3 1/2" fire blanket insulation.

Proposal Form
VERTICAL SKILLS CONSTRUCTION BUILD-OUT
Camp Dawson Training Site Command
Kingwood, West Virginia

Submitted by Bidder: _____

To The Owner: West Virginia Armory Board
Charleston, WV

The undersigned, hereinafter called the Bidder, being familiar with and understanding the Bidding Documents and also having examined the site and being familiar with all local conditions affecting the Project hereby proposes to furnish all labor, material, equipment, supplies and transportation, and to perform all Work in accordance with the Bidding Documents prepared by Jerry Goff, Architecture, dated January 9, 2009 for the stipulated sums as follows:

BASE BID: All work including allowances, except work included in Alternates Proposals.

_____ \$ _____

ALTERNATE BID ITEM:

Alternate No. 1 - Concrete Apron:

State amount to be ADDED to Base Bid to provide 18' x 16' x 6" thick, 4,000 psi, fiber reinforced concrete pad. Locate as directed by Owner.

ADD \$ _____

The Owner reserves the right to award the Bid as they determine may be in their best interest. Accurately, clearly and completely fill in all items or bid may be disqualified.

The Bidder certifies that this bid has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this bid with any other bidder or with any competitor. The undersigned agrees that the right is reserved by the Owner to reject any or all bids and to waive any informalities in bidding. It is agreed that this bid may not be withdrawn for at least ninety (90) days after the scheduled closing time for receipt of bids.

TIME IS OF THE ESSENCE IN COMPLETION OF THIS WORK.

If awarded the contract, I (we) will commence work within Five (5) calendar days after receipt of written notice to proceed, and will substantially complete the work, ready for occupancy, no later than **90 calendar days** from Notice To Proceed, subject to allowances made for delays in accordance with provisions of the specifications, documented and verified.

For each day of delay in substantial completion of the work, Contractor shall be liable for and pay to Owner, \$500.00 per Calendar Day thereafter as liquidated damages and the sum is not to be construed, in any sense, as a penalty.

08710 - FINISH HARDWARE**PART 1 - GENERAL****1.1 Related Documents**

- A. Drawings and General Provisions of Contract, including General and Supplementary Conditions, and Division-1 Specification Sections apply to work of this section.

1.2 Description Of Work

- A. Definition: Finish Hardware includes items known commercially as finish hardware which are required for swing, sliding and folding doors, except special types of unique and non-matching hardware specified in the same section as the door and door frame.

- B. Extent of finish hardware required is indicated on drawings and in schedules.

- C. Types of finish hardware required include, but are not limited to the following:

1. Hinges.
2. Lock cylinders and keys.
3. Lock and latch sets.
4. Keys.
5. Exit devices.
6. Push/pull units.
7. Closers.
8. Overhead holders.
9. Miscellaneous door control devices.
10. Door trim units.
11. Protection plates.
12. Weatherstripping for exterior doors.
13. Sound stripping for interior doors.
14. Automatic drop seals (door bottoms).
15. Astragals or meeting seals on pairs of doors.
16. Thresholds.

- D. The following work is included under other sections:

1. Silencers included integral with hollow metal frames specified with door frames elsewhere in Division 8.
2. Installation of hardware - Finish Carpentry and Millwork Section 06200.
3. Hardware for securing rough carpentry materials - Rough Carpentry Section 06200.
4. Hardware for following items:
 - a. Casework or Cabinetry - Section 06200.

1.3 Quality Assurance

- A. Manufacturer: Obtain each type of hardware (latch and lock sets, hinges, closers, etc.) from a single manufacturer, although several may be indicated as offering products complying with requirements.

- B. Supplier: A recognized architectural finish hardware supplier, with warehousing facilities, who has been furnishing hardware in the project's vicinity for a period of not less than 5 years.

Who is, or who employs an experienced, certified, by a seal, architectural hardware consultant (AHC). Who is available at reasonable times during the project, for consultation. All submittals sent by the hardware supplier shall also be stamped with the architectural hardware consultants seal.

- C. Fire-Rated Openings: Provide hardware for fire-rated openings in compliance with NFPA Standard No. 80 and local building code requirements. Provide only hardware which has been tested and listed by UL or FM for types and sizes of doors required and complies with requirements of door and door frame labels.
1. Where emergency exit devices are required on fire-rated doors, (with supplementary marking on doors UL or FM labels indicating Fire Door to be Equipped with Fire Exit Hardware), provide UL or FM label on exit devices indicating Fire Exit Hardware.

1.4 Submittals

- A. Product Data: Submit manufacturers' technical product data for each item of hardware in accordance with Division-1 section Submittals. Include whatever information may be necessary to show compliance with requirements, and include instructions for installation and for maintenance of operating parts and finishes.
- B. Hardware Schedule: Submit final hardware schedule in manner indicated below. Coordinate hardware with doors, frames and related work to insure proper size, thickness, hand, function and finish hardware. Horizontal schedules are not permitted.
1. Final Hardware Schedule Content: Based on finish hardware indicated, organize hardware schedule into hardware sets indicating complete designations of every item required for each door or opening. Include the following information:
 - a. Type, style, function, size and finish of each hardware item.
 - b. Name and manufacturer of each item, along with manufacturer's cut sheets.
 - c. Fastenings and other pertinent information.
 - d. Location of hardware set cross-referenced to indications on Drawings both on floor plans and in door and frame schedule.
 - e. Explanation of all abbreviations, symbols, codes, etc. contained on schedule.
 - f. Mounting locations for hardware.
 - g. Door and frame sizes and materials.
 - h. Keying information.
 - i. Stamped with a certified architectural hardware consultant seal
 2. Submittal Sequence: Submit schedule at earliest possible date particularly where acceptance of hardware schedule must precede fabrication of other work (e.g., hollow metal frames) which is critical in the project construction schedule. Include with schedule the product data, samples, shop drawings of other work affected by finish hardware, and other information essential to the coordinated review of hardware schedule.
 3. Submittal Sequence: Submit initial draft of schedule along with essential product data in order to facilitate the fabrication of other work (e.g., hollow metal frame) which is critical in the project construction schedule. Submit final draft of schedule after samples, product data, coordination with shop drawings of other work, delivery schedules, and similar information has been completed and accepted.
 4. Keying Schedule: Submit separate detailed schedule indicating clearly how the Owners final instructions on keying of locks has been fulfilled.
- C. Samples: Prior to submittal of the final hardware schedule and prior to final ordering of finish hardware, submit one sample of each type of exposed hardware unit, finished as required, and tagged with full description for coordination with schedule.

1. Samples will be returned to the supplier. Units which are acceptable and remain undamaged through submittal, review and field comparison procedures may, after final check of operation, be used in the work, within limitations of keying coordination requirements.
- D. Templates: Furnish hardware templates to each fabricator of doors, frames and other work to be factory-prepared for the installation of hardware. Upon request, check shop drawings of such other work, to confirm that adequate provisions are made for proper location of hardware.

1.5 Product Handling

- A. Tag each item or package separately, with identification related to final hardware schedule, and include basic installation instructions with each item or package.
- B. Packaging of hardware is responsibility of supplier. As material is received by hardware supplier from various manufacturers, sort and repackage in containers clearly marked with appropriate hardware set number to match set numbers of approved hardware schedule. Two or more identical sets may be packaged in same container.
- C. Inventory hardware jointly with representatives of hardware supplier and hardware installer until each is satisfied that count is correct.
- D. Deliver individually packaged hardware items at the proper times to the proper locations (shop or project site) for installation.
- E. Provide secure lock-up for hardware delivered to the project, but not yet installed. Control handling and installation of hardware items which are not immediately delayed by hardware losses, both before and after installation.

PART 2 - PRODUCTS

2.1 Scheduled Hardware

- A. Requirements for design, grade, function, finish, size and other distinctive qualities of each type of finish hardware is indicated in the Finish Hardware Data Sheet and Hardware Schedule at the end of this section. Products are identified by using hardware designation numbers of the following:
1. Manufacturers' Product Designations: One or more manufacturers are listed for each hardware type required. Provide either the product designated, or, where more than one manufacturer is listed, the comparable product of one of the other manufacturers which comply with requirements including those specified elsewhere in this section.

2.2 Materials And Fabrication

- A. General:
1. Hand of door: Drawings show direction of slide, swing or hand of each door leaf. Furnish each item of hardware for proper installation and operation of door movement as shown.
 2. Manufacturers Name Plate: Do not use manufacturers products which have manufacturers name or trade name displayed in a visible location (omit removable nameplates), except in conjunction with required UL labels and as otherwise acceptable to Architect.

- a. Manufacturers identification will be permitted on rim of lock cylinders only.
- b. Base Metals: Produce hardware units of basic metal and forming method indicated, using manufacturers standard metal alloy, composition, temper and hardness, but in no case of lesser (commercially recognized) quality than specified for applicable hardware units by applicable ANSI A156 series standard for each type hardware item and with ANSI A156.18 for finish designations indicated. Do not furnish optional materials or forming methods for those indicated, except as otherwise specified.
- 3. Fasteners: Provide hardware manufactured to conform to published templates, generally prepared for machine screw installation. Do not provide hardware which has been prepared for self-tapping sheet metal screws, except as specifically indicated.
- 4. Furnish screws for installation, with each hardware item. Provide Phillips flat-head screws except as otherwise indicated. Finish exposed (exposed under any condition) screws to match hardware finish or, if exposed in surfaces of other work, to match finish of such other work as closely as possible, including prepared for paint in surfaces to receive painted finish.
- 5. Provide concealed fasteners for hardware units which are exposed when door is closed, except to extent no standard units of type specified are available with concealed fasteners. Do not use thru-bolts for installation where bolt head or nut on opposite face is exposed in other work, except where it is not feasible to adequately reinforce the work. In such cases, provide sleeves for each thru-bolt or use sex screw fasteners.
- 6. Tools and Maintenance Instructions for Maintenance: Furnish a complete set of specialized tools and maintenance instructions as needed for Owners continued adjustment, maintenance, and removal and replacement of finish hardware.

2.3 Materials

A. Catalog Numbers: Unless otherwise specified, hardware numbers are taken from the catalogs of:

BUTTS	HAGER
LOCK SETS (EXTERIOR)	SARGENT / GOVERNMENT FF-H-105 "SERIES 86 DEAD BOLT TYPE
LOCK SETS	SARGENT (NO SUBSTITUTION)
CYLINDERS	SARGENT (NO SUBSTITUTION)
CLOSERS	SARGENT (NO SUBSTITUTION)
EXIT DEVICES	SARGENT (NO SUBSTITUTION)
KICKPLATES	ROCKWOOD
THRESHOLD & SEALS	NATIONAL GUARD
WALL STOPS	ROCKWOOD
OH STOPS	SARGENT
FLUSH BOLTS	ROCKWOOD

B. Other Manufacturers: Hardware of the same types, weight and function approved by the Architect and as manufactured by the following manufacturers may be bid, except NO SUBSTITUTION ON THE ITEMS LISTED.

BUTTS	MCKINNEY/STANLEY
LOCKSETS	NO SUBSTITUTION
EXIT DEVICES	NO SUBSTITUTION
CLOSERS	NO SUBSTITUTION
STOPS	IVES, HAGER
DOOR TRIM	IVES, HAGER
THRESHOLDS	NATIONAL GUARD, ZERO

ALL OTHER HARDWARE ITEMS NOT LISTED BY THE ABOVE MANUFACTURERS MUST BE APPROVED IN WRITING BY THE ARCHITECT, TEN (10) DAYS PRIOR TO BID DATE.

- C. Keying: All locks and cylinders shall be operated by the existing SARGENT GRANDMASTER KEY.
- D. Final keying to determine keyed alike sets, master key groups, etc. shall be as directed by Owners representative.
 - 1. Furnish:
 - 4 Grandmaster Keys.
 - 6 Each Master Keys for each set required.
- E. Finish: Provide all hardware with - US26D unless otherwise noted
- F. Lock Design: LL / Finish - US26D
- G. Exit Devices: Finish - US32D (with ETL trim design)
- H. Butts: Finish - US26D All hinges to be 5 knuckle construction. Pins in non-ferrous hinges to be stainless steel and plain steel in all ferrous hinges - all pins shall be the non-rising type with a hole through plug to facilitate pin removal. Furnish (NRP) Non-Removable Pin feature where specified. Furnish heavyweight and standard weight where noted. Furnish all butts with Phillips Head Screws.
- I. Kick Plates: Finish - US32D - 8" x 2" less width of door. .050 16 gauge, pairs of doors to be 1" less than door width.
- J. Mop Plates: Finish - US32D - 4" x 1" less width of door. .050 16 gauge, pairs of doors to be 1" less than door width.
- K. Closers: Finish - Sprayed Aluminum. Where required, provide parallel arm closers. Size as per manufacturers recommendation. Furnish where listed on schedule.
- L. Push Plates and Pulls: Finish - US32D. Design and type as listed.
- M. Door Stops and Holders: Finish - Match Existing. Furnish wall type (Rockwood #403) on all doors. Where wall bumpers are not applicable, provide O.H. Stops, Sargent 1540 series. Check at job for proper types after doors are hung and as approved by the Architect.
- N. Thresholds: Aluminum - type as listed
- O. Rubber Silencers: Furnish silencers as required for hollow metal frames. 3 each single, 2 each pair.
- P. Packing and Marking: Package each item of hardware and each lock set separately in individual containers, complete with necessary screws, keys, instructions, and installation template for spotting mortising tools. Provide 10% additional screws for all types of hardware. Mark each container with item number corresponding to number shown on approved Hardware Schedule. Keep knobs suitably covered during construction period.
- Q. Key Cabinet: Lund type 1200 series two tag system. Size required: allow for 25% expansion.
- R. Dutch Door Bolt: Ives type 054 with mortise strike.

FINISH HARDWARE: 08710 - 5

PART 3 - EXECUTION

3.1 Installation

- A. Mount Hardware units at heights indicated in "Recommended Locations for Builders Hardware for Standard Steel Doors and Frames" by the Door and Hardware Institute, except as specifically indicated or required to comply with governing regulations, and except as specifically indicated or required to comply with governing regulations, and except as may be otherwise directed by Architect.
- B. Install each hardware item in compliance with the manufacturer's instructions and recommendations. Wherever cutting and fitting is required to install hardware onto or into surfaces which are later to be painted or finished in another way, coordinate removal, storage and reinstallation or application of surface protection with finishing work specified in the Division-9 sections. Do not install surface-mounted items until finishes have been completed on the substrate.
- C. Door closer attachment: Thru-bolt door Closers to all doors utilizing sex-bolt type fasteners.
- D. Set units level, plumb and true to line and location. Adjust and reinforce the attachment substrate as necessary for proper installation and operation.
- E. Drill and countersink units which are not factory-prepared for anchorage fasteners. Space fasteners and anchors in accordance with industry standards.
- F. Set thresholds for exterior doors in full bed of butyl-rubber or polyisobutylene mastic sealant.
- G. Install special seals and systems in strict accordance with manufacturer's recommendations to achieve specified ratings and requirements.

3.2 Door Signs

Furnish "FIRE DOOR KEEP CLOSED" signs for both sides of all Fire Rated doors. Two inch (2") white plastic plate x one inch (1") red letters.

3.3 Adjust And Clean

- A. Adjust and check each operating item of hardware and each door, to ensure proper operation or function of every unit. Replace units which cannot be adjusted to operate freely and smoothly as intended for the application made.
- B. Clean adjacent surfaces soiled by hardware installation.
- C. Final Adjustment: Wherever hardware installation is made more than one month prior to acceptance or occupancy, and make final check and adjustment of all hardware items in such space or area. Clean operating items as necessary to restore proper function and finish of hardware and doors. Adjust door control devices to compensate for final operation of heating and ventilating equipment.
- D. Instruct Owner's Personnel in proper adjustment and maintenance of hardware and hardware finishes, during the final adjustment of hardware.

- E. Continued Maintenance Service: Approximately six months after the acceptance of hardware in each area, the Installer, accompanied by the representative of the latch and lock manufacturer, shall return to the project and readjust every item of hardware to restore proper function of doors and hardware. Consult with and instruct Owner's personnel in recommended additions to the maintenance procedures. Replace hardware items which have deteriorated or failed due to faulty design, materials or installation of hardware units. Prepare a written report of current and predictable problems (of substantial nature) in the performance of the hardware.

3.4 Hardware Schedule

SET 1

3 each	Butts	BB1168 4.5 x 4.5
1 each	Exit Device	12 8843 ETJ
1 each	Closer	351 P10
1 each	Kick Plate	8" x 2" Idw
1 each	Mop Plate	4" x 1" Idw
1 each	Stop	as required

SET 2

3 each	Butts	BB1279 4.5 x 4.5
1 each	Latchset	8215
1 each	Closer	351 OU
1 each	Kick Plate	8" x 2" Idw
1 each	Mop Plate	4" x 1" Idw
1 each	Stop	as required

SET 3

3 each	Butts	BB1279 4.5 x 4.5
1 each	Lockset	8237
1 each	Closer	351 OU
1 each	Kick Plate	8" x 2" Idw
1 each	Mop Plate	4" x 1" Idw
1 each	Stop	as required

SET 4

3 each	Butts	BB1279 4.5 x 4.5
1 each	Lockset	8205
1 each	Kick Plate	8" x 2" Idw
1 each	Mop Plate	4" x 1" Idw
1 each	Stop	as required

SET 5

1 each	Hinge	780-112HD
1 each	Exit Device	8943
1 each	Closer	350 PS
1 set	Weatherstrip	160AV
1 each	Threshold	513
1 each	Sweep	C627

SET 6

4 each	Butts	BB1279 4.5 x 4.5
1 each	Lockset	8205
1 each	Dutch Door Bolt	054
1 each	Kick Plate	8" x 2" ldw
1 each	Mop Plate	4" x 1" ldw
1 each	Stop	as required

<u>NAME</u>	<u>Company</u>	<u>Phone</u>	<u>EMAIL</u>
SAM Proctor	Veritas Contracting	304-598-2285	veritascontract@aco1.com
Dale Legg	Danhill Construction Co.	304-632-1600	rdanhill@danhill.com
Tim Perry	PERRI Elec.	304-216-5134	Timothy.Perry@Frontier.net
TOM ANDERSON	ALLEGHENY Restoration	304-594-2570	tom@alleghenyrestoration.com
Sheldon Raber	Lee Reger Builds	304-592-2083	sraber@lrbuilds.com
John Kissella	LEE REGER BUILDS, INC.	304-592-2083	JKISSELLA@LRBUILDS.COM
MIKE WOLFORD	Poerio INC. (RAY GEEK)	(412) 366-6767	Poerio@poerio.com
CRAIG Lambert	CFND	304-561-6345	Craig.Lambert@US.Army.mil
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