

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NO. 0005		3. EFFECTIVE DATE 04-Mar-2002	4. REQUISITION/PURCHASE REQ. NO. W68MD9-1228-1347	5. PROJECT NO.(If applicable)	
6. ISSUED BY USA ENGINEER DISTRICT, SEATTLE ATTN: CENWS-CT P.O. BOX 3755 SEATTLE WA 98124-3755		CODE DACA67	7. ADMINISTERED BY (If other than item 6)		CODE
			See Item 6		
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)			X	9A. AMENDMENT OF SOLICITATION NO. DACA67-02-R-0204	
			X	9B. DATED (SEE ITEM 11) 23-Jan-2002	
				10A. MOD. OF CONTRACT/ORDER NO.	
				10B. DATED (SEE ITEM 13)	
CODE	FACILITY CODE				
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended.					
Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A.THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
B.THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).					
C.THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
D.OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) PROJECT: Improve Capehart Family Housing, Phase 3, Malmstrom AFB, Montana. Address technical questions to: techbid@nws02.usace.army.mil					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED 04-Mar-2002	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

A. The purpose of this Amendment Number FIVE (0005) is to provide for the following revisions to the solicitation, and to incorporate the latest wage decision..

1. **DELETE:** Section 00800, Special Clauses

INSERT: Revised Section 00800, Special Clauses. The drawing list was revised to remove the "R0003" from Plate No. M1.1. This drawing was not revised in Amendment R0003, only the listing of its title in Section 00800 was revised. Notation revisions to drawings have been deleted, as the notations have been incorporated in the drawings.

2. **DELETE:** Section 08361 – Sectional Overhead Doors

INSERT: Revised Section 08361 – Clarifications to requirements for electric door operator.

4. **DELETE:** Section 08700 – Builders Hardware

INSERT: Revised Section 008700 – Various clarifications as noted.

5. **DELETE:** Section 09680 – Carpet

INSERT: Revised Section 009680 - Clarifications to carpet requirements.

6. **DELETE:** General Decision No. MT010026, dated March 1, 2001

INSERT: General Decision No. MT020026, dated March 1, 2002

B. THE PROPOSAL DUE DATE AND TIME REMAINS AT 8 MARCH 2002, 3 P.M. PST.

C. NOTICE TO BIDDERS: Bidders must acknowledge receipt of this amendment by number and date on Standard Form 1442 BACK, in Block 19, or by telegram. Please mark the outside of the envelope in which the bid is enclosed to show the amendment received

D. All Technical Amendments are available for download this date on the Army Corps of Engineers Website at <http://www.nws.usace.army.mil/ct/>.,

Enclosures:

Section 00800

Revised Sections 08361, 08700, 09680

Revised Wage Decision

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- SC-23 RECOVERED MATERIALS

SPECIAL CLAUSES

SC-1. COMMENCEMENT, PROSECUTION, AND COMPLETION OF WORK (APR 1984) (FAR 52.211-10).

The Contractor shall be required to (a) commence work under this Contract within 10 calendar days after the date the Contractor receives the notice to proceed, (b) prosecute the work diligently, and (c) complete the entire work ready for use not later than 330 calendar days after date of receipt by Contractor of notice to proceed. The time stated for completion shall include final cleanup of the premises.

SC-1.1 OPTION FOR INCREASED QUANTITY

a. The Government may increase the quantity of work awarded by exercising Optional Items 0003, 0004, 0005, 0006, 0007, 0008, 0009, 0010, 0011, 0012, 0013, 0014, 0015, 0016, 0017, 0018, 0019, 0020, 0021, 0022, 0023 and 0024 within 120 days of the receipt by the Contractor of the notice to proceed. The notice to proceed on work Items added by exercise of the options will be given upon execution of consent of surety.

b. The parties hereto further agree that any options herein shall be considered to have been exercised at the time the Government deposits written notification to the Contractor in the mails.

c. The time allowed for completion of the optional item awarded under this contract will be the same as that for the base items, and will be measured from the date of receipt of the notice to proceed for the base items.

SC-1.2 EXCEPTION TO COMPLETION PERIOD

In case the Contracting Officer determines that completion of seeding, sodding, and planting, and establishment of same is not feasible within the completion period(s) stated above, the Contractor shall accomplish such work in the first planting period following the contract completion period and shall complete such work as specified, unless other planting periods are directed or approved by the Contracting Officer.

SC-2. LIQUIDATED DAMAGES - CONSTRUCTION (APR 1984) (FAR 52.211-12)

(a) If the Contractor fails to complete the work within the time specified in the Contract, or any extension, the Contractor shall pay to the Government as liquidated damages, the sum of \$841 for each day of delay.

(b) If the Government terminates the Contractor's right to proceed, the resulting damage will consist of liquidated damages until such reasonable time as may be required for final completion of the work together with any increased costs occasioned the Government in completing the work.

(c) If the Government does not terminate the Contractor's right to proceed, the resulting damage will consist of liquidated damages until the work is completed or accepted.

(d) Exception to Liquidated Damage: In case the Contracting Officer determines that completion of work stated above in paragraph Exception to Completion Period(s) is not feasible during the completion period(s) stated in SC-1, such work will be exempted from liquidated damages.

SC-3. DELETED.

SC-4. DELETED.

SC-5. INSURANCE - WORK ON A GOVERNMENT INSTALLATION (SEP 1989) (FAR 52.228-5)

(a) The Contractor shall, at its own expense, provide and maintain during the entire performance period of this Contract at least the kinds and minimum amounts of insurance required in the Insurance Liability Schedule or elsewhere in the Contract.

(b) Before commencing work under this Contract, the Contractor shall certify to the Contracting Officer in writing that the required insurance has been obtained. The policies evidencing required insurance shall contain an endorsement to the effect that any cancellation or any material change adversely affecting the Government's interest shall not be effective:

(1) for such period as the laws of the State in which this Contract is to be performed prescribe; or

(2) until 30 days after the insurer or the Contractor gives written notice to the Contracting Officer, whichever period is longer.

(c) The Contractor shall insert the substance of this clause, including this paragraph (c), in subcontracts under this Contract that require work on a Government installation and shall require subcontractors to provide and maintain the insurance required in the Schedule or elsewhere in the Contract. The Contractor shall maintain a copy of all subcontractors' proofs of required insurance, and shall make copies available to the Contracting Officer upon request.

(d) Insurance Liability Schedule (FAR 28.307-2)

(1) Workers' compensation and employer's liability. Contractors are required to comply with applicable Federal and State workers' compensation and occupational disease statutes. If occupational diseases are not compensable under those statutes, they shall be covered under the employer's liability section of the insurance policy, except when Contract operations are so commingled with a Contractor's commercial operation that it would not be practical to require this coverage. Employer's liability coverage of at least \$100,000 shall be required, except in states with exclusive or monopolistic funds that do not permit workers' compensation to be written by private carriers.

(2) General Liability.

(a) The Contracting Officer shall require bodily injury liability insurance coverage written on the comprehensive form of policy of at least \$500,000 per occurrence.

(b) Property damage liability insurance shall be required only in special circumstances as determined by the agency.

(3) Automobile liability. The Contracting Officer shall require automobile liability insurance written on the comprehensive form of policy. The policy shall provide for bodily injury and property damage liability covering the operation of all automobiles used in connection with performing the Contract. Policies covering automobiles operated in the United States shall provide coverage of at least \$200,000 per person and \$500,000 per occurrence for bodily injury and \$20,000 per occurrence for property damage. The amount of liability coverage on other policies shall be commensurate with any legal requirements of the locality and sufficient to meet normal and customary claims.

(4) Aircraft public and passenger liability. When aircraft are used in connection with performing the Contract, the Contracting Officer shall require aircraft public and passenger liability insurance. Coverage shall be at least \$200,000 per person and \$500,000 per occurrence for bodily injury, other than passenger liability, and \$200,000 per occurrence for property damage. Coverage for passenger liability bodily injury shall be at least \$200,000 multiplied by the number of seats or passengers, whichever is greater.

(5) Environmental Liability. If this contract includes the transport, treatment, storage, or disposal of hazardous material waste the following coverage is required.

The Contractor shall ensure the transporter and disposal facility have liability insurance in effect for claims arising out of the death or bodily injury and property damage from hazardous material/waste transport, treatment, storage and disposal, including vehicle liability and legal defense costs in the amount of \$1,000,000.00 as evidenced by a certificate of insurance for General, Automobile, and Environmental Liability Coverage. Proof of this insurance shall be provided to the Contracting Officer.

SC-6. – DELETED.

SC-7. PERFORMANCE OF WORK BY THE CONTRACTOR (APR 1984) (FAR 52.236-1): The Contractor shall perform on the site, and with its own organization, work equivalent to at least fifteen percent (15%) of the total amount of work to be performed under the Contract. The percentage may be reduced by a supplemental agreement to this Contract if, during performing the work, the Contractor requests a reduction and the Contracting Officer determines that the reduction would be to the advantage of the Government.

SC-8. PHYSICAL DATA (APR 1984) (FAR 52.236-4): Data and information furnished or referred to below is for the Contractor's information. The Government will not be responsible for any interpretation of or conclusion drawn from the data or information by the Contractor.

(a) Physical Conditions: The indications of physical conditions on the drawings and in the specifications are the result of site investigations by test holes shown on the drawings.

(b) Weather Conditions: Each bidder shall be satisfied before submitting his bid as to the hazards likely to arise from weather conditions. Complete weather records and reports may be obtained from any National Weather Service Office.

(c) Transportation Facilities: Each bidder, before submitting his bid, shall make an investigation of the conditions of existing public and private roads and of clearances, restrictions, bridge load limits, and other limitations affecting transportation and ingress and egress at the jobsite. The unavailability of transportation facilities or limitations thereon shall not become a basis for claims for damages or extension of time for completion of the work.

SC-9. DELETED.

SC-10. LAYOUT OF WORK (APR 1984) (FAR 52.236-17): The Contractor shall lay out its work from Government-established base lines and bench marks indicated on the drawings, and shall be responsible for all measurements in connection with the layout. The Contractor shall furnish, at its own expense, all stakes, templates, platforms, equipment, tools, materials, and labor required to lay out any part of the work. The Contractor shall be responsible for executing the work to the lines and grades that may be established or indicated by the Contracting Officer. The Contractor shall also be responsible for maintaining and preserving all stakes and other marks established by the Contracting Officer until authorized to remove them. If such marks are destroyed by the Contractor or through its negligence before their removal is authorized, the Contracting Officer may replace them and deduct the expense of the replacement from any amounts due, or to become due, to the Contractor.

SC-11. THROUGH SC-13. DELETED.

SC-14. EQUIPMENT OWNERSHIP AND OPERATING EXPENSE SCHEDULE (MAR 1995)-(EFARS 52.231-5000)

(a) This clause does not apply to terminations. See 52.249-5000, Basis for Settlement of Proposals and FAR Part 49.

(b) Allowable cost for construction and marine plant and equipment in sound workable condition owned or controlled and furnished by a contractor or subcontractor at any tier shall be based on actual cost data for each piece of equipment or groups of similar serial and series for which the Government can determine both ownership and operating costs from the contractor's accounting records. When both ownership and operating costs cannot be determined for any piece of equipment or groups of similar serial or series equipment from the contractor's accounting records, costs for that equipment shall be based upon the applicable provisions of EP 1110-1-8, Construction Equipment Ownership and Operating Expense Schedule, Region IV. Working conditions shall be considered to be average for determining equipment rates using the schedule unless specified otherwise by the Contracting Officer. For equipment not included in the schedule, rates for comparable pieces of equipment may be used or a rate may be developed using the formula provided in the schedule. For forward pricing, the schedule in effect at the time of negotiations shall apply. For retroactive pricing, the schedule in effect at the time the work was performed shall apply.

(c) Equipment rental costs are allowable, subject to the provisions of FAR 31.105(d)(ii) and FAR 31.205-36. Rates for equipment rented from an organization under common control, lease-purchase arrangements, and sale-leaseback arrangements, will be determined using the schedule, except that actual rates will be used for equipment leased from an organization under

common control that has an established practice of leasing the same or similar equipment to unaffiliated lessees.

(d) When actual equipment costs are proposed and the total amount of the pricing action exceeds the small purchase threshold, the contracting officer shall request the contractor to submit either certified cost or pricing data, or partial/limited data, as appropriate. The data shall be submitted on Standard Form 1411, Contract Pricing Proposal Cover Sheet.

(e) Copies of EP1110-1-8 "Construction Equipment Ownership and Operating Expense Schedule" Volumes 1 through 12 are available in Portable Document Format (PDF) only and can be viewed or downloaded at <http://www.usace.army.mil/inet/usace-docs/eng-pamphlets/cecw.htm>. Copies of the CD-ROM (Volumes 1-12) are also available through either the Superintendent of Documents or Government bookstores. For additional information telephone 202-512-2250, or access on the Internet at http://www.access.gpo.gov/su_docs.

SC-15. PAYMENT FOR MATERIALS DELIVERED OFF-SITE (MAR 1995)-(EFARS 52.232-5000)

(a) Pursuant to FAR clause 52.232-5, Payments Under Fixed Priced Construction Contracts, materials delivered to the contractor at locations other than the site of the work may be taken into consideration in making payments if included in payment estimates and if all the conditions of the General Provisions are fulfilled. Payment for items delivered to locations other than the work site will be limited to: (1) materials required by the technical provisions; or (2) materials that have been fabricated to the point where they are identifiable to an item of work required under this contract.

(b) Such payment will be made only after receipt of paid or receipted invoices or invoices with canceled check showing title to the items in the prime contractor and including the value of material and labor incorporated into the item. In addition to petroleum products, payment for materials delivered off-site is limited to the following items. Any other construction material stored offsite may be considered in determining the amount of a progress payment.

SC-16. DELETED

SC-17. DELETED.

SC-18. CONTRACT DRAWINGS, MAPS, AND SPECIFICATIONS (OCT 1996) (52.0236-4001 EBS)

(a) The Government--

(1) Will provide the Contractor, without charge, one set of contract drawings and one set of specifications in electronic format on a compact disk. The Government will not give the Contractor any hard copy paper drawings or specifications for any contract resulting from this solicitation.

(b) The Contractor shall--

(1) check all drawings furnished immediately upon receipt;

(2) Compare all drawings and verify the figures before laying out the work;

(3) Promptly notify the Contracting Officer of any discrepancies;

and

(4) Be responsible for any errors which might have been avoided by complying with this paragraph (b).

(c) Large scale drawings shall, in general, govern small scale drawings. Figures marked on drawings shall, in general, be followed in preference to scale measurements.

(d) Omissions from the drawings or specifications or the misdescription of details of work which are manifestly necessary to carry out the intent of the drawings and specifications, or which are customarily performed, shall not relieve the Contractor from performing such omitted or misdescribed details of the work, but shall be performed as if fully and correctly set forth and described in the drawings and specifications.

(e) The work shall conform to the specifications and the contract drawings identified in the index of drawings attached at the end of the Special Clauses.

SC-19. Through SC-22 DELETED.

SC-23. RECOVERED MATERIALS: The Corps of Engineers encourages all bidders to utilize recovered materials to the maximum extent practicable. The Contractor shall comply with the provisions of the Executive Order EO 13101 within the scope of his operations. The attached APPENDIX R contains procurement guidelines for products containing recovered materials. The Contractor shall fill out RECOVERED MATERIALS DETERMINATION FORM attached at the end of APPENDIX R and submit it to the Contracting Officer.

APPENDIX R

PART 247 - COMPREHENSIVE PROCUREMENT GUIDELINE FOR PRODUCTS CONTAINING RECOVERED MATERIALS

40 CFR Ch. 1 (9-1-99 Edition)

Subpart B-Item Designations

§ 247.10 Paper and paper products.

Paper and paper products, excluding building and construction paper grades.

§ 247.11 Vehicular products.

- (a) Lubricating oils containing re-refined oil, including engine lubricating oils, hydraulic fluids, and gear oils, excluding marine and aviation oils.
- (b) Tires, excluding airplane tire
- (e) Reclaimed engine coolants, excluding coolants used in non-vehicular applications.

§ 247.12 Construction products.

- (a) Building insulation product including the following items:
 - (1) Loose-fill insulation, including but not limited to cellulose fiber, mineral fibers (fiberglass and rock vermiculite, and perlite);
 - (2) Blanket and batt insulation, including but not limited to mineral fibers (fiberglass and rock wool);
 - (3) Board (sheathing, roof decking wall panel) insulation, including but not limited to structural fiberboard and laminated paperboard products perlite composite board, polyurethane, polyisocyanurate, polystyrene, phenolics, and composites; and
 - ~~(2)~~ (4) Spray-in-place insulation, including but not limited to foam-in-place polyurethane and polyisocyanurate and spray-on cellulose.
- (b) Structural fiberboard and laminated paperboard products for applications other than building insulation, including building board, sheathing shingle backer, sound deadening board, roof insulating board, insulating wallboard, acoustical and non-acoustical ceiling tile, acoustical and non-acoustical lay-in panels, floor underlayments, and roof overlay (coverboard).
- (c) Cement and concrete, including concrete products such as pipe and block, containing coal fly as ground granulated blast furnace (GGBF) slag.
- (d) Carpet made of polyester fiber use in low- and medium-wear applications.
- (e) Floor tiles and patio blocks containing recovered rubber or plastic.
- (f) Shower and restroom dividers/partitions containing recovered plastic or steel.
- (g) (1) Consolidated latex paint used for covering graffiti; and
(2) Reprocessed latex paint used for interior and exterior architectural applications such as wallboard, ceilings, and trim; gutter boards; and concrete, stucco, masonry, wood and metal surfaces.

§247.13 Transportation products.

- (a) Traffic barricades and traffic cones used in controlling or restricting vehicular traffic.
- (b) Parking stops made from concrete or containing recovered plastic or rubber.
- (c) Channelizers containing recovered plastic or rubber.
- (d) Delineators containing recovered plastic, rubber, or steel.
- (e) Flexible delineators containing recovered plastic.

§ 247.14 Park and recreation products

- (a) Playground surfaces and running tracks containing recovered rubber or plastic.
- (b) Plastic fencing containing recovered plastic for use in controlling snow or sand drifting and as a warning/safety barrier in construction or other applications.

§ 247.15 Landscaping products.

- (a) Hydraulic mulch products containing recovered paper or recovered wood used for hydroseeding and as an over-spray for straw mulch in landscaping, erosion control, and soil reclamation.
- (b) Compost made from yard trimmings, leaves, and/or grass clippings for use in landscaping, seeding of grass or other plants on roadsides and embankments, as a nutritious mulch under trees and shrubs, and in erosion control and soil reclamation.
- (c) Garden and soaker hoses containing recovered plastic or rubber.
- (d) Lawn and garden edging containing recovered plastic or rubber.

§ 247.16 Non-paper office product.

- (a) Office recycling containers and office waste receptacles.
- (b) Plastic desktop accessories.
- (c) Toner cartridges.
- (d) Binders.
- ~~(f)-(e)~~ Plastic trash bags.
- ~~(g)-(f)~~ Printer ribbons.
- ~~(h)-(g)~~ Plastic envelopes.

§ 247.17 Miscellaneous products.

Pallets containing recovered wood, plastic, or paperboard.

RECOVERED MATERIALS DETERMINATION FORM

Instructions

This form is to be completed by the procurement originator when EPA-designated items included in the Affirmative Procurement Program for Recovered Materials are being procured from outside vendors. For questions on whether the product counts as "EPA designated" or what the required recycled content is, refer to product descriptions on EPA's website at <http://www.epa.gov/cpg>. This form is not required for items requisitioned from established Federal supply sources.

1. The procurement originator lists which item(s) apply to the procurement request, the required recycled content, the actual recycled content, and signs and dates the appropriate Certification on the back of this form.
2. If an exemption is being claimed, the procurement originator's unit commander also signs the Certification on the back of this form.
3. The completed form becomes part of the contracting office contract file.

Procurement Request No. _____

The EPA-designated items being procured are:

- Building insulation
- Flowable fill
- Latex paint
- Floor tiles
- Laminated paperboard
- Structural fiberboard
- Polyester carpet
- Carpet Backing
- Carpet Cushion
- Cement & concrete containing:
 - Coal fly ash
 - Ground granulated
blast furnace slag
- Binders
(paper, solid plastic or
plastic covered)
- Plastic presentation folders
- Plastic file folders
- Plastic clip portfolios
- Plastic clipboards
- Plastic envelopes
- Office recycling containers
- Office waste receptacles
- Plastic desktop accessories

- ___ Printing and writing papers
- ___ Printer ribbons
- ___ Toner cartridges
- ___ Awards and plaques
- ___ Playground surfaces
- ___ Park and recreational furniture
- ___ Running tracks
- ___ Playground equipment
- ___ Traffic barricades
- ___ Signage
- ___ Traffic cones
- ___ Channelizers
- ___ Delineators
- ___ Flexible delineators
- ___ Parking stops
- ___ Plastic fencing (snow or erosion control, safety barriers)
- ___ Engine coolants
- ___ Re-refined lubricating oils
- ___ Retread tires
- ___ Garden and soaker hoses
- ___ Lawn and garden edging
- ___ Patio blocks
- ___ Landscaping timbers and posts (plastic lumber)
- ___ Compost from yard trimmings or food waste
- ___ Commercial/industrial sanitary tissue products
- ___ Sorbents
- ___ Industrial Drums
- ___ Railroad grade crossings/ surfaces
- ___ Pallets
- ___ Paperboard and packaging
- ___ Strapping and stretch wrap
- ___ Shower & restroom dividers/partitions
- ___ Plastic trash bags
- ___ Mats
- ___ Hydraulic mulch
- ___ Tray liners
- ___ Newsprint

CERTIFICATION

Procurement Request No. _____

Complete Part A or Part B as appropriate:

A. I hereby certify the Statement of Work/Specifications for the requisition of all materials listed on this form complies with EPA standards for recycled/recovered materials content.

Procurement Originator's Signature

Date

B. The following item does not comply with EPA standards for recycled/recovered materials (please complete a separate justification for each noncompliant item purchased as part of this procurement action): _____

The exemption being claimed for this purchase is:

___ The product does not meet appropriate performance standards

___ The product is not available within a reasonable time frame

___ The product is not available competitively (from two or more sources)

___ The product is only available at an unreasonable price (it costs more than a comparable non-recycled-content product). The recycled-content product costs \$_____ per _____ and the non-recycled-content product costs \$_____ per _____

Procurement Originator

Date

Commander

Date

INDEX OF DRAWINGS

IMPROVE CAPEHART HOUSING, PHASE 3
 MALMSTROM AFB, MONTANA
 NZAS 8600017
 227s/711-20-01

SHEET NUMBER	PLATE NUMBER	TITLE	REVISION NUMBER	DATE
1	G1.1	TITLE SHEET		30 NOV 01
2	G1.2	ABBREVIATIONS AND SYMBOLS	R0003	30 NOV 01
3	D1.1	SITE DEMOLITION PLAN		30 NOV 01
4	C1.1	SITE GRADING PLAN	R0003	30 NOV 01
5	C1.2	UTILITY PLAN		30 NOV 01
6	C1.3	NEW SUFACE ITEMS OF CONSTRUCTION	R0003	30 NOV 01
7	C1.4	STORM DRAINAGE PLAN	R0003	30 NOV 01
8	C1.5	STORM DRAINAGE PROFILES		30 NOV 01
9	C1.6	STORM DRAINAGE PLAN PROFILES		30 NOV 01
10	C1.7	GAS PLAN	R0003	30 NOV 01
11	C1.8	SITE DETAILS	R0003	30 NOV 01
12	C1.9	SITE DETAILS		30 NOV 01
13	L1.1	LANDSCAPE PLAN	R0003	07 DEC 01
14	L1.2	IRRIGATION PLAN	R0003	30 NOV 01
15	L2.1	DETAIL SHEET	R0003	30 NOV 01
16	A1.1	ARCHITECTURAL SITE PLAN AND PROJECT PHASING	R0003	30 NOV 01
17	A2.1	DEMOLITION PLAN UNIT A3 (FIRST FLOOR AND BASEMENT)	R0003	30 NOV 01
18	A2.2	DEMOLITION PLAN UNIT B1 (FIRST FLOOR AND BASEMENT)	R0003	30 NOV 01

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20	A2.4	DEMOLITION PLAN UNIT B3 (FIRST FLOOR AND BASEMENT)	R0003	30 NOV 01
21	A2.5	DEMOLITION MATRIX	R0003	30 NOV 01
22	A3.1	RENOVATION PLAN UNIT A3 (FIRST FLOOR AND BASEMENT)	R0003	30 NOV 01
23	A3.2	RENOVATION PLAN UNIT B1 (FIRST, SECOND AND BASEMENT)	R0003	30 NOV 01
24	A3.3	RENOVATION PLAN UNIT B2 (FIRST FLOOR AND BASEMENT)	R0003	30 NOV 01
25	A3.4	RENOVATION PLAN UNIT B3 (FIRST FLOOR AND BASEMENT)	R0003	30 NOV 01
26	A3.5	WINDOW SCHEDULE AND DOOR SCHEDULE		30 NOV 01
27	A4.1	ROOF PLAN (UNITS A3 AND B1)	R0003	30 NOV 01
28	A4.2	ROOF PLAN (UNITS B2 AND B3)	R0003	30 NOV 01
29	A5.1	EXTERIOR ELEVATIONS (UNIT A3)	R0003	30 NOV 01
30	A5.2	EXTERIOR ELEVATIONS (UNIT B1)	R0003	30 NOV 01
31	A5.3	EXTERIOR ELEVATIONS (UNIT B2)	R0003	30 NOV 01
32	A5.4	EXTERIOR ELEVATIONS (UNIT B3)	R0003	30 NOV 01
33	A6.1	BUILDING SECTIONS	R0003	30 NOV 01
34	A6.2	WALL SECTIONS	R0003	30 NOV 01
35	A6.3	WALL SECTIONS	R0003	30 NOV 01
36	A7.1	INTERIOR ELEVATIONS, KITCHEN	R0003	30 NOV 01
37	A7.2	INTERIOR ELEVATIONS, BATHROOM	R0003	30 NOV 01
38	A8.1	DETAILS	R0003	30 NOV 01

SHEET NUMBER	PLATE NUMBER	TITLE	REVISION NUMBER	DATE
39	A8.2	DETAILS	R0003	30 NOV 01
40	S1.1	STRUCTURAL GENERAL NOTES	R0004	30 NOV 01
41	S2.1	STRUCTURAL FRAMING PLANS A3	R0004	30 NOV 01
42	S2.2	STRUCTURAL FRAMING PLANS B1	R0004	30 NOV 01
43	S2.3	STRUCTURAL FRAMING PLANS B2	R0004	30 NOV 01
44	S2.4	STRUCTURAL FRAMING PLANS B3	R0004	30 NOV 01
45	S3.1	STRUCTURAL PHASE NUMBER KEY PLAN	R0003	30 NOV 01
46	S3.2	STRUCTURAL TYPICAL FOUNDATION SECTIONS	R0004	30 NOV 01
47	S4.1	STRUCTURAL TYPICAL FOUNDATION SECTIONS	R0003	30 NOV 01
48	M1.1	MECHANICAL NOTES AND LEGEND	R0003	30 NOV 01
49	M1.2	MECHANICAL SCHEDULES	R0003	30 NOV 01
50	M2.1	MECHANICAL PLANS UNIT A3	R0003	30 NOV 01
51	M2.2	PLUMBING PLANS AND DIAGRAMS UNIT A3	R0003	30 NOV 01
52	M2.3	MECHANICAL PLANS UNIT B1	R0003	30 NOV 01
53	M2.4	PLUMBING PLANS AND DIAGRAMS UNIT B1	R0003	30 NOV 01
54	M2.5	MECHANICAL PLANS UNIT B2	R0003	30 NOV 01
55	M2.6	PLUMBING PLANS AND DIAGRAMS UNIT B2	R0003	30 NOV 01
56	M2.7	MECHANICAL PLANS UNIT B3	R0003	30 NOV 01
57	M2.8	PLUMBING PLANS AND DIAGRAMS UNIT B3	R0003	30 NOV 01
58	M3.1	MECHANICAL SECTIONS AND DETAILS	R0003	30 NOV 01

SHEET NUMBER	PLATE NUMBER	TITLE	REVISION NUMBER	DATE
59	E1.1	SITE ELECTRICAL DEMOLITION	R0003	30 NOV 01
60	E1.2	SITE ELECTRICAL CONSTRUCTION	R0003	30 NOV 01
61	E2.1	ELECTRICAL PLAN UNIT A3	R0003	30 NOV 01
62	E2.2	ELECTRICAL PLANS UNIT B1	R0003	30 NOV 01
63	E2.3	ELECTRICAL PLANS UNIT B2	R0003	30 NOV 01
64	E2.4	ELECTRICAL PLANS UNIT B3	R0003	30 NOV 01
65	E3.1	ELECTRICAL DETAILS, NOTES AND SCHEDULE	R0003	30 NOV 01
66	E3.2	ELECTRICAL DETAILS, NOTES AND SCHEDULE	R0003	30 NOV 01
67	E3.3	ELECTRICAL DETAILS, NOTES AND SCHEDULE	R0003	30 NOV 01
68	E4.1	ELECTRICAL ONE-LINE DIAGRAM	R0003	30 NOV 01

REVISIONS TO DRAWINGS BY NOTATION

Revisions to drawings by notation indicated in previous amendments have been incorporated in the drawings.

Drawing, Sheet 13, Plate L1.1: Make the following changes:

1. ~~Revise Note 4 to read, "Trash enclosure fence shall be 4' high. All other screen fencing shall be 6' high."~~
- 2.

Drawing, Sheet 15, Plate L2.1: Make the following changes:

1. ~~In Details 4 through 7, provide #12 tracer wire over every irrigation pipe.~~

Drawing, Sheet 34, plate A6.2: In Section 5, change ""Per final soils design" to ""Refer to Soils Report for conditions.""

Drawing, Sheet 38, Plate A6.3:

Drawing, Sheet 38, Plate A8.1: Make the following changes:

1. ~~In Details 2 and 3, change "90 MPH Warranty" to "75 MPH Warranty."~~

- ~~2. In Detail 9, add welded wire fabric to the concrete slab, and run it under the trench drain.~~
- ~~3. In Detail 16,~~

~~Drawing, Sheet 61, Plate~~

~~Drawing, Sheet 67, Plate E3.3: Make the following changes to Detail 9:~~

- ~~1. Change "Bond ductbank ground conductor to grounding lugs" to read "Bond multi-grounded neutral conductor to grounding lug" (two places).~~
- ~~2. Change "Grounded/static neutral in ductbank" to read "Multi-grounded neutral in ductbank" (three places).~~
- ~~3. Change "Ductbank ground conductor bonded to rebar" to read "Bond rebar to ground conductor."~~
- ~~4. Change "Bond neutral conductor to grounding lug" to read "Bond multi-grounded neutral conductor to grounding lug."~~

STANDARD DETAILS BOUND IN THE SPECIFICATIONS

DRAWING NUMBER	SHEET NUMBER	TITLE	DATE
<u>SECTION 01501 - CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS</u>			
	1 & 2	U.S. Air Force Project Construction Sign	84JUN20
	1	Hard Hat Sign	10SEP90

END OF SECTION

GENERAL DECISION MT020026 03/01/2002 MT26

Date: March 1, 2002

General Decision Number MT020026

Superseded General Decision No. MT010026

State: Montana

Construction Type:
RESIDENTIAL

County(ies):
CASCADE

RESIDENTIAL CONSTRUCTION PROJECTS (consisting of single family homes and apartments up to and including 4 stories)

Modification Number	Publication Date
0	03/01/2002

COUNTY(ies):
CASCADE

SUMT4033A 03/24/1992

	Rates	Fringes
BRICKLAYERS	17.00	2.70
CARPENTERS	13.15	3.31
CEMENT MASONS	12.30	1.00
ELECTRICIANS	15.90	3.5%+1.45
IRONWORKERS	17.18	6.18
LABORERS:		
Unskilled	10.50	1.75
Pipelayer	10.66	1.75
Hod Carrier		
PAINTERS:		
Brush	12.42	1%+1.09
Spray	14.67	1%+1.09
PLUMBERS	16.20	2.17
ROOFERS	11.40	1.20
SHEET METAL WORKERS	15.19	1.82
SOFT FLOOR LAYERS	12.50	
SPRINKLER FITTERS	14.81	2.43
TERRAZZO & TILE SETTERS	14.45	1.45
TRUCK DRIVERS:		
Pickup	10.95	1.66
Flatbed:		
3 tons & under	11.00	1.66
over 3 tons	11.20	1.66
Combination truck, concrete mixer, transit mixer	11.10	1.66

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

=====

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

In the listing above, the "SU" designation means that rates listed under that identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the

requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

4.) All decisions by the Administrative Review Board are final.
END OF GENERAL DECISION

DACA67-02-R-0204 MT020026-3 R0005

DACA67-02-R-0204 MT020026-2 R0005

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SECTION 08361 - SECTIONAL OVERHEAD DOORS

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes steel sectional overhead doors.
- B. See Division 8 Section "Door Hardware" for lock cylinders and keying.
- C. Division 16 Sections for electrical service, connections, disconnects, and circuit breakers for powered operators, and accessories.

1.2 PERFORMANCE REQUIREMENTS

- A. Structural Performance: Provide doors capable of withstanding the effects of gravity loads and the following loads and stresses without evidencing permanent deformation of components:
 - 1. Wind Load: Uniform pressure (velocity pressure) of 20 lbf/sq. ft., acting inward and outward.
 - 2. Operational Life: Design components to operate for not less than 25,000 cycles.
 - a. Operation Cycle: One complete cycle begins with door in closed position. Door is then moved to open position and back to closed position.

1.3 SUBMITTALS

- A. Product Data: For each product indicated.
- B. Shop Drawings: Include plans, elevations, sections, details of installation, and attachments to other Work.
 - 1. Verify openings by field measurements before fabrication and indicate measurements on Shop Drawings.
- C. Samples: For each exposed finish.

1.4 QUALITY ASSURANCE

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - 1. Crawford Door Co. Div., Jim Walters Doors
 - 2. Overhead Door Corp.
 - 3. Raynor Mfg. Co.
 - 4. Or approved Equal

2.2 STEEL DOOR SECTIONS

- A. General: Fabricated from galvanized, structural-quality commercial steel with minimum yield strength of 33,000 psi and complying with ASTM A 653/A 653M, G90 zinc coating.
 - 1. Steel Sheet Thickness: 0.028 inch.
 - 2. Exterior Section Face: Textured Wood Grain Raised Panel.
- B. Door Panels: Fabricated from a single sheet with sections not more than 24 inches high and nominally 2 inches deep. Roll horizontal meeting edges to a continuous, interlocking, keyed, rabbeted, shiplap, or tongue-in-groove weathertight seal, with a reinforcing flange return.
 - 1. Insulated Doors: With continuous thermal-break construction separating faces of door.
- C. Door Sections: Enclose open section with not less than 0.064-inch galvanized steel channel end stiles welded in place. Fabricate with not less than 0.064-inch galvanized intermediate stiles, cut to door section profile, spaced at not more than 48 inches o.c., and welded in place.
 - 1. Reinforce bottom section with a continuous channel or angle complying with bottom section profile.
 - 2. Reinforce sections with continuous horizontal and diagonal reinforcement of galvanized steel bars, struts, trusses or strip steel, formed to depth and bolted or welded in place.
 - 3. Reinforce for hardware attachment.
 - 4. Insulation: Insulate inner core of steel sections with rigid cellular polystyrene or polyurethane thermal insulation, with maximum flame-spread and smoke-developed indices of 75 and 450, respectively, according to ASTM E 84; or with fiberglass thermal insulation. Enclose insulation completely, with no exposed insulation material evident.
- D. Fabricate sections so finished door assembly is rigid and aligned, with tight hairline joints, and free of warp, twist, and deformation.
- E. Finish: Manufacturer's standard thermosetting finish.
 - 1. Color and Gloss: Pre-finished doors, including primer and two coats of paint to match color of siding .

2.3 TRACKS, SUPPORTS, AND ACCESSORIES

- A. Tracks: Galvanized steel track system complying with ASTM A 653/A 653M, G60 zinc coating, sized for door size and weight, designed for lift type indicated.
 - 1. Provide complete track assembly including brackets, bracing, and reinforcement for rigid support of ball-bearing roller guides for required door type and size.
 - 2. Slot vertical sections of track at 2 inches o.c. for door-drop safety device.
 - 3. Slope tracks at proper angle from vertical or otherwise design to ensure tight closure at jambs when door unit is closed.
 - 4. Weld or bolt to track supports.
- B. Track Reinforcement and Supports: Galvanized steel and support members, complying with ASTM A 36/A 36M and ASTM A 123. Secure, reinforce, and support tracks as required for door size and weight to provide strength and rigidity without sag, sway, and vibration during opening and closing of doors.

- C. Support and attach tracks to opening jambs with continuous angle welded to tracks and attached to wall. Support horizontal (ceiling) tracks with continuous angle welded to track and supported by laterally braced attachments to overhead structural members at curve and end of tracks.
- D. Weatherseals: Replaceable, adjustable, continuous, compressible weather-stripping gaskets of flexible vinyl, rubber, or neoprene fitted to bottom and at top of overhead door.
 - 1. Motor-Operated Doors: With combination bottom weatherseal and sensor edge.
 - 2. Jamb Seals: Continuous flexible seals at door jambs for weathertight installation.

2.4 HARDWARE

- A. General: Heavy-duty, corrosion-resistant hardware, with hot-dip galvanized, stainless-steel, or other corrosion-resistant fasteners, to suit door type.
- B. Hinges: Heavy-duty galvanized steel hinges, of not less than 0.0747-inch- thick uncoated steel, at each end stile and at each intermediate stile, per manufacturer's written recommendations for door size.
 - 1. Attach hinges to door sections through stiles and rails with bolts and lock nuts or lock washers and nuts. Use rivets or self-tapping fasteners where access to nuts is not possible.
 - 2. Use double-end hinges, where required, for doors exceeding 16 feet in width, unless otherwise recommended by door manufacturer.
- C. Rollers: Heavy-duty rollers, with steel ball bearings in case-hardened steel races, mounted with varying projections to suit slope of track.
 - 1. Double Hinges: Extend roller shaft through both hinges.
 - 2. Roller Tires: 3-inch- diameter roller tires for 3-inch track; 2-inch- diameter roller tires for 2-inch track.
 - a. Tire Material: Case-hardened steel.
- D. Push/Pull Handles: For push-up-operated or emergency-operated doors, galvanized steel lifting handles on each side of door.
- E. Slide Bolt: Fabricate with side locking bolts to engage through slots in tracks for locking by padlock, located on single-jamb side, operable from inside only.
- F. Locking Device: Fabricate assembly with lock, spring-loaded dead bolt, operating handle, cam plate, and adjustable locking bar to engage through slots in tracks.
 - 1. Locking Bars: Full-disc Cremone type, both jamb sides.
 - a. Operation: From inside only .
 - 2. Lock Cylinder: As specified in Division 8 Section "Door Hardware."
- G. Power-Operated Doors: With safety interlock switch to disengage power supply when door is locked.

2.5 COUNTERBALANCING MECHANISM

- A. Extension Spring: Counterbalance mechanism with extension spring and aircraft-type steel cable over ball-bearing sheaves. Provide oil-tempered wired springs with internal safety rods. Combine operation with a spring bumper in each horizontal track to cushion door at end of opening operation.
- B. Torsion Spring: Operation by counterbalance mechanism with adjustable-tension torsion springs, fabricated from oil-tempered-steel wire complying with ASTM A 229/A 229M, Class II, mounted on cross-header tube or steel shaft. Connect to door with galvanized aircraft-type lift cables with cable safety factor of at least 5 to 1. Calibrate springs for 25,000 cycles minimum.
- C. Bracket: Anchor support bracket, as required to connect stationary end of spring to the wall, to level shaft and prevent sag.
- D. Spring Bumper: Include at each horizontal track to cushion door at end of opening operation.

2.6 ELECTRIC DOOR OPERATORS

- A. Electric Door Operator, General: Residential Quality of type, size, and capacity recommended ~~and provided~~ by door manufacturer for door and operational life specified, with electric motor (min. ½ horsepower) and factory-prewired motor controls, starter, ~~gear-reduction unit, solenoid-operated brake,~~ clutch, remote-control stations, control devices, ~~integral gearing for locking door,~~ disconnect device, obstruction detection device, adjustable limit switches, emergency auxiliary operator, and all accessories required for proper operation.

~~1.Lift-Master - Model #2280 or approved equal. Comply with NFPA 70. Design operator so motor may be removed without disturbing limit-switch adjustment and without affecting emergency auxiliary operator.~~

- ~~B.Electric Motors: Polyphase, medium-induction type with high-starting torque, reversible, continuous-duty, Class A insulated, electric motors, complying with NEMA MG 1; with overload protection, sized to start, accelerate, and operate door in either direction, from any position, at not less than 2/3 fps or more than 1 fps, without exceeding nameplate ratings or considering service factor. Coordinate wiring requirements and electric characteristics of motors with building electrical system.~~

- ~~1.Provide open dripproof-type motor, and controller with NEMA ICS 6, Type 1 enclosure.~~
- ~~2.Provide totally enclosed, nonventilated or fan-cooled motors, fitted with plugged drain, and controller with NEMA ICS 6, Type 4 enclosure where indicated.~~

- ~~C.Control Equipment: NEMA ICS 1, NEMA ICS 2, and NEMA ICS 6, with NFPA 70 Class 2 control circuit, maximum 24-V ac or dc. Provide momentary contact, three-button control station.~~

- ~~1.Interior Units: Full guarded, surface-mounted, heavy-duty type, with general-purpose NEMA ICS 6, Type 1 enclosure.~~
- ~~2.Exterior Units: Full guarded, standard-duty, surface-mounted, weatherproof type, NEMA ICS 6, Type 4 enclosure, key operated.~~

- ~~D.Obstruction Detection Device: Provide each motorized door with self-monitoring, four-wire-configured-type, electrically actuated, external automatic safety sensor able to protect full width of door opening. Activation of sensor immediately stops and reverses downward door travel.~~

~~Adjustable Limit Switches: Interlocked with motor controls and set to automatically stop door at fully opened and fully closed positions.~~

PART 3 - EXECUTION

3.1 INSTALLATION

- A. General: Install door, track, and operating equipment complete with necessary hardware, jamb and head mold strips, anchors, inserts, hangers, and equipment supports.
- B. Fasten vertical track assembly to framing at not less than 24 inches o.c. Hang horizontal track from structural overhead framing with angle or channel hangers welded and bolt fastened in place. Provide sway bracing, diagonal bracing, and reinforcement as required for rigid installation of track and door-operating equipment.
- C. Lubricate bearings and sliding parts; adjust doors to operate easily, free from warp, twist, or distortion and fitting weathertight for entire perimeter.

3.2 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain doors. Refer to Division 1 Section "Closeout Procedures."

END OF SECTION 08361

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SECTION 08700 – BUILDERS HARDWARE

PART 1 - GENERAL

A. RELATED DOCUMENTS:

1. Drawings and general provisions of Contract apply to work of this section.

1.2 SUMMARY:

- A. Definition: "Builders Hardware" includes items known commercially as builders 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 frames. Extent of hardware to be provided as indicated on drawings and schedules contained herein. Types of items in this section include, but are not necessarily limited to the following: (Refer to schedule/legend at end of this section.)
1. Hinges
 2. Lock cylinders and keys
 3. Lock and latch sets, ~~Mortise~~
 4. Door trim units
 5. Stops
- B. Types of door stripping and seals, and thresholds include (See also Section 08730).
1. Weather-stripping and thresholds for exterior doors.
 2. Astragals or meeting seals on pair of doors.
 3. Smoke seals
 - a. Weather-stripping: Except as otherwise indicated, provide weather-stripping at each edge of every exterior door leaf.
- C. Each door leaf shall have the appropriate hardware for proper operation.

1.3 QUALITY ASSURANCE:

- A. Manufacturer: Obtain each kind of hardware (latch and locksets, hinges, closures, etc.) from only one manufacturer.
- B. Supplier: A recognized builder's hardware supplier who has been furnishing hardware in the project's vicinity for a period of not less than 2 years.
- C. Fire-Rated Openings: Provide only UL or FM tested hardware for fire-rated openings in compliance with NFPA Standard No. 80 and complies with requirements of door and door frame labels.
1. Where emergency exit devices are required on fire-rated doors provide UL label on exit devices indicating "Fire Exit Hardware".

1.4 SUBMITTALS:

- A. Product Data: Submit manufacturer's standard details, specifications and installation instructions for each type of product required. Furnish templates to other fabricators when required for proper preparation of work to receive stripping and seals.

- B. Hardware Schedule: Submit final hardware schedule in the manner indicated below. Hardware schedules are intended for coordination of work.
 - 1. Final Hardware Schedule Content: Based on builders hardware indicated, organize hardware schedule into "hardware sets" indicating complete designations of every item required for each door opening. Include the following information:
 - a. Type, style, function, sizes and finishes of each hardware item.
 - b. Name and manufacturer of each item.
 - c. Location of hardware set cross-referenced to indications on drawings both on floor plans and in door and frame schedule.
 - d. Explanation of all abbreviations symbols codes, etc. contained in schedule.
 - e. Mounting locations for hardware.
 - f. Door and frame sizes and materials.
 - 2. Submittal Sequences: Submit schedule per Division 1. Include with schedule the product data, samples, shop drawings of other work affected by builder's hardware, and other information for coordinated review of hardware schedule.
 - 3. Keying Schedule: Submit separate detailed schedule indicating clearly how the government's final instructions on keying of locks has been fulfilled.

- C. Samples: Provide when requested.

1.5 PRODUCT HANDLING:

- A. Packaging and distribution to the site of hardware, on a set by set basis, is the responsibility of the supplier.
- B. Inventory hardware until satisfied that the count is correct.
- C. Provide secure lock-up for hardware delivered to the project, but not yet installed. Control, handling and installation of hardware items so that work will not be delayed by hardware losses, both before and after installation.

1.6 JOB CONDITIONS:

- A. Coordination: Coordinate hardware with other work. Tag each item or package separately, per final hardware schedule, including basic installation instructions. Furnish hardware items of proper design for proper installation and function. Deliver individually packaged hardware items at the proper times to the proper locations (shop or project site) for installation.
- B. Templates: Furnish hardware templates to each fabricator of doors, frames and other work to be factory-prepared for the installation of hardware. Check the shop drawings of such other work, to confirm that adequate provisions are made for the proper installation of hardware.

PART 2 - PRODUCTS

2.1 SCHEDULED HARDWARE AND ACCESSORIES

- A. Requirements for design, grade, function, finish and size for this Project is indicated in the Builders Hardware Data Sheet and Hardware Schedule/Legend at the end of this section. Products are identified by using hardware designation numbers of the following:
 - 1. Manufacturer's product designations: One or more manufacturers are listed for each hardware type required. An asterisk (*) after a manufacturer's name indicates whose

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product designation is used in the Hardware Schedule for purpose of establishing minimum requirements. Provide either the product designated, or, the comparable product of one of the other manufacturers, which comply with the requirements.

2. BHMA numbers taken from the following BHMA standards. Provide products complying with these standards and requirement specified elsewhere in this section.

B. BHMA Standards:

1. Butts and Hinges: ANSI A156.1 (BHMA 101)
2. Locks and Lock Trim: ANSI A156.2 (BHM 601)
3. Architectural Door Trim: ANSI A156.6 (BHMA 1001)
4. Template Hinge Dimensions: ANSI A156.7
5. Auxiliary Locks: BHMA 501
6. Auxiliary Hardware: BHMA 1201
7. Materials and Finishes: As scheduled.

C. Federal Specification numbers taken from following Federal Specifications. Provide products complying with these specifications and requirements specified elsewhere in this section.

1. Locks and Door Trim: FS FF-H-106.
2. Hinges: FS FF-H-116.

2.2 MATERIALS AND FABRICATION:

- A. Hand of Door: The drawings indicate the direction of slide, swing or hand of each door leaf. Furnish each item of hardware for proper installation and operation of the door movement as shown.
- B. Base Metals: Product hardware units of the basic metal and forming method indicated, using the manufacturer's standard metal in no case of lesser (commercial recognized) quality than specified for the hardware units by applicable ANSI A156. Do not furnish "optional" materials or forming methods for those indicated.
- C. Fasteners: Manufacture hardware 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.
- D. Furnish screws for installation, with each hardware item. Provide Phillips flat-head screws. Finish exposed screws to match the hardware finish.
- E. Provide concealed fasteners for hardware units, which are exposed when the door is closed, except when no standard units are available with concealed fasteners. Do not use through bolts for installation where the bolt head or the nut on the opposite face is exposed in other work, except where it is not feasible to adequately reinforce the work.
- F. Tools for Maintenance: Furnish a complete set of specialized tools as needed for government's continued adjustment, maintenance, removal and replacement of hardware.

2.3 HINGES, BUTTS AND PIVOTS:

- A. Templates: Except for hinges and pivots to be installed entirely (both leaves) into wood doors and frames provide only template-produced units.

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- B. Screws: Furnish Phillips flat head all-purpose or machine screws for installation of units or Phillips flat-head all-purpose or wood screws for installation into wood. Finish screw heads to match surface of hinges or pivots.
- C. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:
 - 1. Steel Hinges: Steel pins
 - 2. Exterior Doors: Non-removable pins.
 - 3. Interior Doors: Non-rising pins.
 - 4. Tips: Flat button and matching plug, finished to match leaves, except where hospital tips (HT) indicated.
 - 5. Number of Hinges: Provide number of hinges indicated but not less than three (3) hinges for door leaf for doors 90" or less in height and one additional hinge for each 30" of additional height. Provide four (4) hinges for doors beyond 3'0" in width or above 7'0" in height.

2.4 LOCK CYLINDERS AND KEYING:

- A. Supplier will meet with government to finalize keying requirements and obtain final instructions in writing.
- B. Review the keying system with the government and provide the type required (master, grandmaster or great-grandmaster) for new projects or integrated with government's existing system for additions and remodeling projects.
- C. Equip locks with manufacturer's special 6-pin tumbler cylinder, with construction master key feature, which permits voiding of construction keys without cylinder removal.
- D. Metals: Construct lock cylinder parts from brass/bronze, stainless steel or nickel silver.
- E. Comply with the government's instructions for masterkeying and, except as otherwise indicated, provide individual change key for each lock which is not designated to be keyed alike with a group of related locks.
- F. Key Material: Provide keys of nickel silver only.
- G. Key Quantity: Furnish 3 change keys for each lock; 5 master keys for each master system; and 5 grandmaster keys for each grandmaster system.
 - 1. Furnish one extra blank for each lock.
 - 2. Deliver keys to government's representative.

2.5 LOCKS, LATCHES AND BOLTS:

- A. Strikes: Provide manufacturer's standard wrought box strike for each latch or lock bolt, with curved lip extended to protect frame, finished to match hardware set.
 - 1. Provide dust-proof strikes for foot bolts, except where special threshold construction provides non-recessed strike for bolt.
 - 2. Provide roller type strikes where recommended by manufacturer of the latch and lock units.
- B. Lock Throw: Provide 5/8" minimum throw on latch and deadlock bolts. Comply with UL requirements for throw of bolts and latch bolts on rated fire openings.
 - 1. Provide 1/2" minimum throw on other latch and deadlock bolts.

- C. Flush Bolt Heads: Minimum of 1/2" diameter rods of brass, bronze or stainless steel, with minimum 12" long rod.

~~D.Exit Device Dogging: Except on fire-rated doors, wherever closers are provided on doors equipped with exit devices, equip units with keyed dogging device to hold the push bar and latch bolt in open position. Provide standard opposite side trim of thumb piece and cylinder.~~

- E.D. Rabbeted Doors: Where rabbeted door stiles are indicated, provide special rabbeted front on lock and latch units and bolts.

2.6 MATERIALS AND FABRICATION, GENERAL

- A. Conform to sizes, shapes and mounting system recommended by manufacturer for application indicated.
- B. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strip is replaceable and available from stocks maintained.
- C. Exposed Fasteners for Stripping Seals: Provide exposed fasteners to match finish of stripping and seals.

2.7 FABRICATION:

- A. General: Drill and countersink units for anchor screws, at 12" o.c. +/- not more than 3" from ends. Cut to accurate length and cope to fit tight against door frames. Cut thresholds to size and shape with a fine-toothed saw, or cut and mill surfaces smoothly; remove burrs.
- B. Mitered Corners: Fabricate mitered corners to close exposed ends of threshold units which are not concealed by door frames. Return edge profile of thresholds to faces of frames. Provide either mechanical hair-line joints with concealed fastening, or welded joints dressed smooth on exposed faces.

2.8 HARDWARE FINISHES:

- A. Provide matching finishes for hardware units at each door or opening to the greatest extent possible.
- B. Provide quality of finish, complying with manufacturer's standards, in no case less than specified for the applicable units of hardware by referenced standards.
- C. Provide protective lacquer coating on all exposed hardware finishes of brass, bronze and aluminum, except as otherwise indicated. The suffix "-NL" is used with standard finish designations to indicate "no lacquer".
- D. The designations used in schedules and elsewhere to indicate hardware finishes are the industry-recognized standard commercial finishes, except as otherwise noted.

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, or required to comply with governing regulations, and except as may be otherwise directed by this document.
- B. Install each hardware item in compliance with the manufacturer's instructions and recommendations. Coordinate removal, storage and reinstallation or application of surface protections with finishing work specified in the Division 9 sections. Do not install surface-mounted items until finishes have been completed on the substrate.
- C. Set units level, plumb and true to line and location. Adjust and reinforce the attachment substrate as necessary for proper installation and operation.
- D. Drill and countersink units which are not factory-prepared for anchorage fasteners. Space fasteners and anchors in accordance with industry standards.

3.2 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 unit which cannot be adjusted to operate freely and smoothly as intended for the application made.
- B. Final Adjustment: Wherever hardware installation is made more than one month prior to acceptance of occupancy of a space or area, return to the work during the week 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.
- C. Instruct government's personnel in proper adjustment and maintenance of hardware finishes, during the final adjustment of hardware.

3.3 BUILDERS HARDWARE DATASHEET

- A. Acceptable hardware manufacturers and designs:
 - 1. An asterisk (*) indicates manufacturer's numbers and acceptable hardware designs used in schedule for each hardware group or equal.
 - a. Butts and Hinges: Stanley*, Hager, Lawrence
 - b. Lock/Exit Devices: Sargent, Yale, Schlage*.
 - c. Stops and Holders: Quality*, Lawrence, Builder's Brassworks.
 - d. Weatherstrip and Threshold: Pemko*, Reese, Zero
 - e. Surface Bolts: Ives*, Baldwin

3.4 FINISH:

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MALMSTROM AFB, MONTANA

- A. All new hardware except weatherstrip and thresholds, 605 (BHMA 3) "Bright Brass" unless otherwise noted or for additions or remodeling which match existing finish; weatherstrip and thresholds aluminum finished as per manufacturer.

3.5 HARDWARE SCHEDULE

- A. Products to be of the following or equal.

LOCKS SCHLAGE-PLYMOUTH - Bright Brass or match existing.

L-2	605-F51N	Entrance
L-4	605-F80N	Store Door Lock and Knob
L-5	605-F10N	Latch
L-7	F160N	Deadlock
L-8	605-F40N	Privacy

BUTTS - Stanley (1-1/2 Pair Leaf) US26D

B-1	FBB179	<u>RD741</u>	<u>4-1/2" x 4-1/2" 4" x 4"</u>
B-3	FBB179-SH	<u>RD741</u>	<u>4-1/2" x 4-1/2" 4" x 4"</u>

STOPS - Quality

S-1	W302 TB-5
S-2	119 ES

WEATHERSTRIP: Pemko Aluminum - Provide astragal weather stripping at all exterior double doors (Pemko 18062AP or 18062DP)

W-1	306 AV
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THRESHOLDS - Pemko Aluminum

T-1	271A with 315 AN (5" full saddle)
T-2	168A (3" 1/2 saddle)
T-3	274A (4" 1/2 saddle)

SMOKE SEALS - Pemko

SS-1	S88D17
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SURFACE BOLTS - Ives

SB-1	360 Rim Strike
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DOOR BOTTOM - Pemko 18062AP or 18062DP

DB-1	
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END OF SECTION 08700

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SECTION 09680 - CARPET

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes tufted carpet and carpet cushion.

1.2 SUBMITTALS

- A. Product Data: For each product indicated.
- B. Shop Drawings: Include the following:
 - 1. Existing floor materials to be removed.
 - 2. Existing floor materials to remain.
 - 3. Seam locations.
 - 4. Pattern type, repeat, location, direction, and starting point.
 - 5. Pile direction.
 - 6. Insets and borders.
 - 7. Transition, and other accessory strips.
 - 8. Transition details to other flooring materials.
- C. Samples: For each for each carpet, cushion, and exposed accessory and for each color and pattern required.
- D. Product Schedule: Use same room and product designations indicated on Drawings and in schedules.
- E. Maintenance data.

1.3 QUALITY ASSURANCE

- A. Installer Qualifications: A qualified installer who is certified by the Floor Covering Installation Board or who can demonstrate compliance with its certification program requirements.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Comply with CRI 104, Section 5, "Storage and Handling."

1.5 PROJECT CONDITIONS

- A. General: Comply with CRI 104, Section 6.1, "Site Conditions; Temperature and Humidity."
- B. Environmental Limitations: Do not install carpet and cushion until wet work in spaces is complete and dry, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.
- C. Where demountable partitions or other items are indicated for installation on top of carpet, install carpet tile before installing these items.

1.6 WARRANTY

- A. Carpet Warranty: Manufacturer's standard form in which manufacturer agrees to replace carpet that does not comply with requirements or that fails within 2 years from date of Substantial

Completion. Warranty does not include deterioration or failure of carpet from unusual traffic, failure of substrate, vandalism, or abuse. Failures include, but are not limited to, more than 10 percent loss of face fiber, edge raveling, snags, runs, and delamination.

- B. Carpet Cushion Warranty: Manufacturer's standard form agreeing to replace carpet cushion that does not comply with requirements or that fails within 2 years from date of Substantial Completion. Warranty does not include deterioration or failure of carpet cushion from unusual traffic, failure of substrate, vandalism, or abuse. Failure includes, but is not limited to, permanent indentation or compression.

PART 2 - PRODUCTS

2.1 CARPET

- A. Products: ~~Subject to compliance with requirements, provide one of the following Carpet shall, as a minimum, comply with the guidance provided in the Air Force Family Housing Guide, paragraph 4.9.1, Carpet Policy, and the following:~~
1. Carpet ~~shall be a textured plush cut pile. specifications based on Shaw; Stepping Stone or approved equal. Approved equal by Contracting Officer.~~
 - a. ~~Color and Pattern:~~ As selected by Contracting Officer from manufacturer's full range.
- B. Fiber Type: ~~As standard with the manufacturer~~ 100% Eco Solution Q Nylon
- C. Average Yarn Weight: 32 ~~to 36~~ oz. sq. yard minimum
- D. ~~Stiches per Inch: 13~~
- E. ~~Tufted Pile Thickness: .197 inches~~
- F. ~~Finished Pile Thickness: .188 inches~~
- G. ~~Total Thickness: .327 inches~~
- H. ~~Average Density: 6,128 oz/yd³~~ Minimum Density rating of 4000.
- I. Weight Density: ~~196096 sq oz/yd⁵~~ As standard with the manufacturer
- J. Filament: BCF
- K. Protective Treatment: ~~SSP Shaw Soil Protection, Florsept Antimicrobials, Antistatic~~ As standard with the manufacturer
- L. Total Weight: ~~70~~ As standard with the manufacturer
- M. Primary Backing: Polypropylene.
- N. Secondary Backing: ActionBac
- O. Gauge: 1/10
- P. Width: 12' Broadloom

- Q. Critical Radiant Flux Classification: Class I, not less than 0.45 w/sq. cm per ASTM E 648.
- R. Flaming Mode: <450
- S. Static (AATCC-134): <3.5 Kv
- T. Type Static Control: Permanent Conductive Fiber

2.2 CARPET CUSHION

- A. ~~Traffic Classification: CCC Class II, heavy traffic. 7/16 inch, 8 pound density rebond.~~

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Comply with CRI 104, or manufacturer's instructions.~~Section 8, "Direct Glue Down." 10, "Attached Cushion."~~
- B. Comply with CRI 104, or manufacturer's instructions.~~Section 12, "Carpet on Stairs."~~
- C. Maintain uniformity of carpet direction and lay of pile. At doorways, center seams under door in closed position. Bind or seal cut edges as recommended by carpet manufacturer.
- D. Install non-directional carpet in accordance with manufacturer's recommendations.~~pattern parallel to walls and borders.~~

END OF SECTION 09680

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