

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE _____ PAGE _____ OF _____ PAGES

2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. <i>(If applicable)</i>
6. ISSUED BY	CODE	7. ADMINISTERED BY <i>(If other than Item 6)</i>		CODE

8. NAME AND ADDRESS OF CONTRACTOR <i>(No., street, county, State and ZIP Code)</i>	(X)	9A. AMENDMENT OF SOLICIATION NO.
		9B. DATED <i>(SEE ITEM 11)</i>
		10A. MODIFICATION OF CONTRACT/ORDER NO.
		10B. DATED <i>(SEE ITEM 11)</i>
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers 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 your 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 ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: <i>(Specify authority)</i> 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 <i>(such as changes in paying office, appropriation date, etc.)</i> 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 <i>(Specify type of modification and authority)</i>

E. IMPORTANT: Contractor is not, 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.)*

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 <i>(Type or print)</i>		16A. NAME AND TITLE OF CONTRACTING OFFICER <i>(Type or print)</i>	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
<i>(Signature of person authorized to sign)</i>		<i>(Signature of Contracting Officer)</i>	

Item 14. Continued.

CHANGES TO THE SPECIFICATIONS

1. Replacement Sections: Replace the following sections with the accompanying new sections of the same number and title bearing the notation "ACCOMPANYING AMENDMENT NO. 0008 TO SOLICITATION NO. DACA63-03-B-0003:"

08581 BLAST RESISTANT LAMINATED GLASS WINDOWS
10990 MISCELLANEOUS SPECIALTIES
12335 CASEWORK FOR MEDICAL FACILITIES

CHANGES TO THE DRAWINGS

2. Sequence No. 089, Sheet No. Q-103: In Room 1065, MAMMO FILM PROC, delete the reference to Casework No. CT060.

3. Replacement Drawings.- Replace the drawings listed below with the attached new drawings(s) of the same number, bearing the notation "AM #0008":

dcha5050.cal	Seq 062	A-505 EXTERIOR DETAILS
dcha5070.cal	Seq 064	A-507 DETAILS
dcha5100.cal	Seq 067	A-510 ENLARGED COLUMN PLAN DETAILS
dcha5110.cal	Seq 068	A-511 ENLARGED COLUMN PLAN DETAILS

END OF AMENDMENT

SECTION 08581

BLAST RESISTANT LAMINATED GLASS WINDOWS
08/01
AMENDMENT NO. 0008

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

ALUMINUM ASSOCIATION (AA)

AA 45 (1980) Aluminum Finishes

AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION (AAMA)

AAMA 101 (1997) Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors

AAMA 603.8 (1992; Addendum 1993) Pigmented Organic Coatings on Extruded Aluminum

AAMA 605.2 (1992; Addendum 1995) High Performance Organic Coatings on Architectural Extrusions and Panels

AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)

ANSI Z97.1 (1984; R 1994) Safety Glazing Materials Used in Buildings

ASME INTERNATIONAL (ASME)

ASME A39.1 (1995) Safety Requirements for Window Cleaning

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM C 509 (1994) Elastomeric Cellular Preformed Gasket and Sealing Material

ASTM C 920 (1998) Elastomeric Joint Sealants

ASTM C 1048 (1997; Rev. B) Heat-Treated Flat Glass - Kind HS, Kind FT Coated and Uncoated Glass

GLASS ASSOCIATION OF NORTH AMERICA (GANA)

GANA Glazing Manual (1997) Glazing Manual

1.2 SUBMITTALS

Submit the following in accordance with Section 01330, "Submittal Procedures."

SD-02 Shop Drawings

Window units; G

Submit drawings indicating elevations of windows, full-size sections, thickness of metal, fastenings, proposed method of anchoring, size and spacing of anchors, details of construction, complete details of setting methods and materials for each type of glazing material, details of hardware, mullion details, method and materials for weatherstripping, support conditions for the glass, material and method of attaching subframes, stools, casings, sills, trim, installation details, and other related items.

SD-03 Product Data

Window units; G

Setting materials

SD-04 Samples

Window units

Submit when factory-finished color coating is provided.

SD-08 Manufacturer's Instructions

Glass

Submit glass manufacturer's instructions for setting and sealing materials and for installation of each type of glazing material specified.

SD-10 Operation and Maintenance Data

Window units, Data Package 1; G

Submit data package in accordance with Section 01781, "Operation and Maintenance Data."

1.3 QUALITY ASSURANCE

1.3.1 Label

Each prime window unit shall bear the AAMA Label warranting that the product complies with AAMA 101. Certificates of Compliance attesting that the prime window units meet the requirements of AAMA 101 will be acceptable in lieu of product labeling.

1.3.2 Glass and Glazing

Provide materials that are certified to meet ANSI Z97.1 by an independent testing laboratory.

1.3.3 Independent Testing

Testing shall be performed by an independent testing laboratory (certified by the Contracting Officer) and test report shall be signed by a registered

professional engineer and shall include results from tests in the calculations.

1.4 DELIVERY, STORAGE, AND HANDLING

- a. Deliver products to the site in unopened containers, labeled plainly with manufacturers' name and brands. Deliver window assemblies in an undamaged condition. Exercise care in handling and hoisting windows during transportation and at the job site. Store windows and components out of contact with the ground, under a weathertight covering, so as to prevent bending, warping, or otherwise damaging the windows.
- b. Finished surfaces shall be protected during shipping and handling using the manufacturer's standard method, except that no coatings or lacquers shall be applied to surfaces to which sealants, caulking, or glazing compounds must adhere.

1.5 ENVIRONMENTAL CONDITIONS

Do not start glazing work until the outdoor temperature is above 40 degrees F and rising unless approved provisions are made to warm the glass and rabbet surfaces. Provide sufficient ventilation to prevent condensation of moisture on glazing work during installation. Do not perform glazing work if moisture collects on window assemblies or during rainy weather.

PART 2 PRODUCTS

2.1 WINDOW UNITS

Provide frames and mullions of aluminum or steel. To ensure that the full strength of the PVB inner layer is engaged, design frames, mullions, and window hardware to resist a static load of 1 lb per square inch applied to the surface of the glazing. Frame and mullion deformations shall not exceed 1/160 of the unsupported member lengths. Design frame connections to surrounding walls to resist a combined ultimate loading consisting of a tension force of 200 lbs/inch and a shear force of 75 lbs/in. The glazing shall have a minimum frame bite of 9.5-mm (3/8-in) for structural glazed window systems and 25-mm (1-in) for window systems that are not structurally glazed. Design frame connections to surrounding walls to resist a combined ultimate loading consisting of a tension force of 35-kN/m (200-lbs/in) and a shear force of 13-kN/m (75 lbs/in).

(AM#8) Provide window frames similar to Kawneer Versa glaze 451T- V.G. - front set system with all requirements noted in this section of the specification. Coordinate with section 10990 integral blind requirement

2.2 WEATHERSTRIPPING

Weatherstripping shall conform to AAMA 101.

2.3 EXTRUDED ALUMINUM SUB SEAL

Provide Kawneer #451T-037, or approved equal, extruded aluminum sub seal as indicated on drawings.

2.4 GLASS

Use a minimum of 1/4 inch nominal laminated glass for all exterior windows

and glazed doors. The 1/4 inch laminated glass consists of two nominal 1/8 inch glass panes bonded together with a minimum of a 0.030 inch polyvinyl-butylal (PVB) interlayer. For insulated glass units, use 1/4 inch laminated glass inner pane as a minimum. For alternatives to the 1/4 inch laminated glass that provide equivalent levels of protection, refer to the DoD Security Engineering Manual.

2.5 SETTING MATERIALS

Provide types required for the applicable setting method specified in the GANA Glazing Manual, unless specified otherwise herein. Do not use metal sash putty, non-skinning compounds, nonresilient preformed sealers, or impregnated preformed gaskets. Materials exposed to view and unpainted shall be gray, or neutral color.

2.5.1 Structural Glazed Window Systems

Window systems in which glazing is bonded to both sides of the window frame using an adhesive such as a high-strength, high-performance silicone sealant.

2.5.2 Elastomeric Sealant

ASTM C 920, Type S or M, Grade NS, Class 12.5, Use NT. Use for channel or stop glazing sash. Sealant shall be chemically compatible with setting blocks, edge blocks, and sealing tapes. Color of sealant shall be gray .

2.5.3 Sealing Tapes, Beads or Gaskets

Gaskets or beads shall be at least 3/8 inch wide with a Shore "A" durometer hardness of 50 and conform to ASTM C 509.

2.5.4 Setting Blocks and Edge Blocks

Use neoprene of 70 to 90 Shore "A" durometer hardness, chemically compatible with sealants used, and of sizes recommended by the glass manufacturer.

2.5.5 Accessories

Use accessories as required to provide a complete installation, including glazing points, clips, shims, angles, beads, and spacer strips. Provide noncorroding metal accessories. Provide primer-sealers and cleaners as recommended by the glass and sealant manufacturers.

2.6 WINDOW ASSEMBLIES

Window units shall conform to AAMA 101.

2.6.1 Provisions for Glazing

The glazing shall have a minimum frame bite of 3/8 inch for structural glazed window systems and 1 inch for window systems that are not structurally glazed.

2.6.2 Glass Color

Glass color to match existing facility window assemblies.

2.6.3 Sealant, Gaskets, and Beads

Sealant, gaskets, and beads shall be continuous around the perimeter of the glass.

2.6.4 Fasteners

Provide flathead, cross-recessed type, exposed head screws and bolts with standard threads for use on windows, trim, and accessories. Screw heads shall finish flush with adjoining surfaces. Self-tapping sheet-metal screws are not acceptable for material more than 1/16 inch thick.

2.6.5 Accessories

Provide windows complete with necessary hardware, fastenings, clips, fins, anchors, glazing beads, and other appurtenances necessary for complete installation and proper operation.

2.6.6 Anchors

Provide concealed anchors of the type recommended by the window manufacturer for the specific type of construction. Anchors and fasteners shall be compatible with the window and the adjoining construction. Provide a minimum of three anchors for each jamb located approximately 6 inches from each end and at midpoint.

2.6.7 Finishes

Exposed aluminum surfaces shall be factory finished with an anodic coating . Windows shall have the same finish.

2.6.7.1 Anodic Coating

Clean exposed aluminum surfaces and provide an anodized finish conforming to AA 45. Finish shall be clear anodized aluminum.

2.7 SOURCE QUALITY CONTROL

2.7.1 Window Assembly Structural Test

2.7.1.1 Test Sample Number

At least two sample window assemblies for each type of window provided shall be tested, under an increasing uniform static load. Number of samples, beyond two, is left up to the vendor. However, it is noted that the acceptance criteria encourages a larger number of test samples.

2.7.1.2 Test Procedure

Test windows (glass panes and support frame) shall be identical in type, size, sealant, gasket or bead and construction to those furnished by the window manufacturer. The frame assembly in the test setup shall be secured by boundary conditions that simulate the adjoining walls of the structure for intended installation. The simulation securing boundary conditions shall be verified and attested by an attending Professional Engineer. Using either a vacuum or a liquid-filled bladder, an increasing uniform load shall be applied to the entire window assembly (glass and frame) until failure occurs in either the glass or frame. Failure shall be defined as either breaking of glass or loss of frame resistance. The failure load,

rf, shall be recorded to three significant figures. The load should be applied at a rate of 0.5 ru per minute where ru is the static design resistance:

<u>Glass Size</u>	<u>Static Design Resistance</u>
[____x____] inch	[____] psi

2.7.1.3 Acceptance Criteria

The static load capacity (rs) of a glass pane for the specified acceptance test procedure is:

$$r_s = 0.876 r_u \tag{1}$$

The window assembly (frame and glass) is considered acceptable when the arithmetic mean of all the samples tested, r- such that:

$$r_- \Rightarrow r_s + s_A \tag{2}$$

where: rs = static load capacity of the glass pane for certification testing
 s = sample standard deviation
 A = acceptance coefficient (Table 1)

- a. Arithmetic mean/standard deviation: For n test samples, r- is defined as:

$$r_- = \text{sum from } i = 1 \text{ thru } n \text{ for } r_{fi} \text{ divided by } n \tag{3}$$

where rfi is the recorded failure load of the ith test sample.

The sample standard deviation, s, is defined as:

$$s = \text{the square root of the quantity of the sum from } i = 1 \text{ thru } n \text{ for } (r_{fi} - r_-)^2 \text{ divided by } (n - 1) \tag{4}$$

The minimum value of the sample standard deviation, s, permitted to be employed in Equation (2) is:

$$s = 0.145 r_s \tag{5}$$

This assures a sample standard deviation no better than observed for the general population of tempered glass.

- b. Additional sampled determination: The following equation can be used by tester to determine if additional test samples are justified. If:

$$r_- \leq r_s + s_B \tag{6}$$

then with 90% confidence, the design will not prove to be adequate with additional tests. Obtain rejection coefficient, B, from Table 1.

Table 1. Statistical Acceptance and Rejection Coefficients

Number of Window Assemblies <u>n</u>	Acceptance Coefficient <u>A</u>	Rejection Coefficient <u>B</u>
2	4.14	.546
3	3.05	.871
4	2.78	1.14
5	2.65	1.27
6	2.56	1.36
7	2.50	1.42
8	2.46	1.48
9	2.42	1.49
10	2.39	1.52
11	2.37	1.54
12	2.35	1.57
13	2.33	1.58
14	2.32	1.60
15	2.31	1.61
16	2.30	1.62
17	2.28	1.64
18	2.27	1.65
19	2.27	1.65
20	2.26	1.66
21	2.25	1.67
22	2.24	1.68
23	2.24	1.68
24	2.23	1.69
25	2.22	1.70
30	2.19	1.72
40	2.17	1.75
50	2.14	1.77

PART 3 EXECUTION

3.1 INSTALLATION

3.1.1 Method of Installation

Install in accordance with the window manufacturer's printed instructions and details. Set windows at proper elevation, location, and reveal. Brace properly to prevent distortion and misalignment. Bed screws or bolts in sill members, joints at mullions, contacts of windows with sills, built-in fins, and subframes in mastic sealant of a type recommended by the window manufacturer. Install windows in a manner that will prevent entrance of water. Fasten hardware to windows.

3.1.2 Glass Setting

Items to be glazed shall be either shop or field glazed using glass of the quality and thickness specified or indicated. Preparation and glazing, unless otherwise approved, shall conform to applicable recommendations in the GANA Glazing Manual. Windows may be glazed in conformance with one of the glazing methods described in the standards under which they are produced, except that face puttying with no bedding will not be permitted. Handle and install glazing materials in accordance with manufacturer's instructions. Use beads or stops furnished with items to be glazed, to

secure glass in place.

3.1.3 Dissimilar Materials

Where aluminum surfaces are in contact with, or fastened to, masonry, wood, or dissimilar metals, except stainless steel or zinc, the aluminum surface shall be protected from dissimilar materials as recommended in the Appendix to AAMA 101. Do not coat surfaces on which sealants are to adhere.

3.1.4 Anchors and Fastenings

Make provision for securing units to each other and to adjoining construction.

3.1.5 Adjustments After Installation

After installation of windows and completion of glazing and field painting, adjust ventilators and hardware to operate smoothly and to provide weathertight sealing when ventilators are closed and locked. Lubricate hardware and operating parts as recommended by the manufacturer.

3.2 CLEANING

Clean interior and exterior surfaces of window units of mortar, plaster, paint spattering spots, and other foreign matter to present a neat appearance, to prevent fouling of weathering surfaces and weatherstripping, and to prevent interference with the operation of hardware. Remove stained, discolored, or abraded windows that cannot be restored to their original condition, and replace with new windows.

-- End of Section --

ACCOMPANYING AMENDMENT NO. 0008 TO SOLICITATION NO. DACA63-03-B-0003

SECTION 10990 - MISCELLANEOUS SPECIALTIES
AMENDMENT NO. 0008

PART 1 GENERAL

The following schedule contains a listing of the equipment items that are identified by a Joint Schedule Number (JSN). The listing contains the JSN, nomenclature, Logistical responsibility, and specification reference. The requirements for individual items of equipment are contained in the appropriate portion of these specifications as indicated in this schedule.

Equipment manufacturers called out in this document intend to establish a level of quality and not to restrict equal products.

1.1 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. The following shall be submitted in accordance with Section 01330 SUBMITTAL PROCEDURES.

1.1.1 SD-03 Product Data; G

Manufacturer's descriptive data and catalog cuts indicating materials of construction, finishes, accessory items, fasteners proposed for use for each type of wall construction, mounting instructions, and operation instructions.

1.1.2 SD-04 Samples; G

One sample of each finish and each accessory proposed for use. Approved samples may be incorporated into the finished work, provided they are identified and their locations noted.

1.1.3 SD-07 Certificates

Submit for each type of accessory specified, attesting that the items meet the specified requirements.

1.1.4 SD-10 Operation and Maintenance Data; G

Four complete copies of maintenance instructions listing routine maintenance procedures and possible breakdowns and repairs. Instructions shall include simplified wiring and control diagrams and other information necessary for unit maintenance.

1.2 Contractor shall provide 12 gage metal wall reinforcing behind all wall hung items for all Logistics Categories and for all wall hung modular furniture/partition systems.

ACCOMPANYING AMENDMENT NO. 0008 TO SOLICITATION NO. DACA63-03-B-0003

1.3 DELIVERY, STORAGE, AND HANDLING

Miscellaneous specialties shall be wrapped for shipment and storage, delivered to the job site in manufacturer's original packaging, and stored in a clean, dry area protected from construction damage and vandalism.

PART 2 PRODUCTS

2.1 MANUFACTURED UNITS

Miscellaneous specialties shall be provided where indicated in accordance with paragraph SCHEDULE.

2.1.1 Anchors and Fasteners

Anchors and fasteners shall be capable of developing a restraining force commensurate with the strength of the accessory to be mounted and shall [tamperproof design] and shall be finished to match the accessory.

2.1.2 Finishes

Finishes on metal shall be provided as follows:

Metal	Stainless steel
Finish	No. 4 satin finish

2.2 LOGCAT "A"(CF/CI) MISCELLANEOUS SPECIALTY ITEMS

Accessory items shall conform to the requirements specified below.

2.2.1 JSN A5125 Rack, Crutch, Wall Mounted

Wall mounted crutch rack shall be constructed of natural finished wood with chrome plated adjustable hangers.

Similar to Sammons Preston, Model C7297 or approved equal.

2.2.2 JSN A5135 Rack, Mop/Broom, with Shelf

Surface mounted custodian utility shelf with hooks and mop and broom holders. Shall be constructed of type 304 stainless steel with satin finish. Shelf shall be 8 inches deep with 3/4 inch return edges hemmed for safety. Mop and broom holders shall be mounted under shelf to prevent interference with stored materials. Unit shall be 44" in length, with 4 spring loaded rubber cam holders and 5 type 304 stainless steel hooks.

Similar to Bobrick Model B-239 x 44 or approved equal.

2.2.3 JSN A5145 Hook, Robe, 2 Prong

ACCOMPANYING AMENDMENT NO. 0008 TO SOLICITATION NO. DACA63-03-B-0003

Surface mounted stainless steel double robe hook shall be constructed entirely of type 304 stainless steel with satin finish. Flange shall be equipped with concealed mounting bracket that shall lock to a concealed wall plate with lock screw. Cap shall be stainless steel, welded post.

Similar to Bobrick Model B-6727 or approved equal.

2.2.4 JSN A5220 Bracket, Television, Wall Mounted

TV wall bracket shall be complete assembly with wall mounting plate, adjustable tilt wall swivel bracket with load capacity of 110 lbs minimum, and maximum space capacity for a 20 inch set. Baked enamel finish - color as selected by Architect Engineer. Item shall be of heavy gauge steel construction. Item shall allow a side to side swivel at tray and have an adjustable tilt of 0/5/10 degrees. Item will be supplied with a wall mount and safety belt.

Similar to Peerless Industries Model CS 20 w/WSP 410-1, or approved equal.

2.2.5 JSN F3010 Board, Bulletin

Bulletin board with natural cork reinforced with sturdy back panel. Frame shall be of 1 1/4 inch satin finish aluminum. Unit shall be equipped with concealed hangers for wall fastening. Overall dimensions 4' x 4'.

Similar to Claridge Model 958A or approved equal.

2.2.6 JSN F3050 - Whiteboard, WCP

Chalkboard, white LCS constructed of extruded aluminum, etched and anodized with satin finish for trim, chalk trough and map rail. Unit shall be furnished with 2 inch angle clips for installation of unit to wall. Overall dimensions 36 inch x 48 inch.

Similar to Claridge Model LCS-2034R or approved equal.

2.2.7 JSN F3055 Whiteboard, WCP, 4 sliding Panels, w/Screen

LCS (Liquid Chalk System) surface shall be constructed of 22 gauge steel with baked on porcelain. The LCS surface shall support magnetized aids. The frame shall be constructed of extruded aluminum, etched and anodized with satin finish for trim. The Whiteboard shall have a trough with end closures. The Horizontal sliding panels shall be LCS (Dry Erase). The Board shall consist of 3 sliding panels, 1 sliding projection screen, and a fixed back panel. Whiteboards shall be top-suspended and glide easily over the extended aluminum track on molded nylon rollers. Unit shall consist of 3 LCS sliding panels, 1 glass beaded projection screen and whiteboard back panel. Overall dimensions 4' x 6'.

Similar to Claridge Model HS46-4 with options 2 and 5 or approved equal.

2.2.8 JSN M0410 Screen, Projection 70 inch x 70 inch

ACCOMPANYING AMENDMENT NO. 0008 TO SOLICITATION NO. DACA63-03-B-0003

Wall mounted projection screen with fiberglass matte, white viewing surface. Surface shall be washable, mildew and fire resistant. Unit shall have rigid one-piece Fabric-Lok steel rollers with positive locking spring mechanisms and mounted on an aluminum supporting bar. Unit shall be provided with 1 pair of wall mounting brackets.

Similar to Claridge Model EN7070 with Non-Adjusting Bracket 6 inch or approved equals.

2.2.9 JSN M1620, Holder, Chart, Patient, Wall Mounted

Wall mounted patient chart holder shall have an oak frame with a durable plastic front and metal back panel.

Similar to Peter Pepper Products, Model 13130K or approved equal.

2.2.10 Integral Mini Blinds:

General: Provide between the glass integral louvers with manual crank operation equal to **(AM#8) Wausau SEAL series integral blind with 1/4-inch clear laminated glass, Lift out units with manufacturer's standard operators. Manufactured by Wausau Metals from Wausau, Wisconsin; Phone Number 715-845-2161.** Provide shop drawings and coordinate with metal frames and glazing provided under work of other sections.

Fabricate each unit to a whole number of louvers.

Horizontal extruded aluminum louvers, 1-3/8 inch wide, secured at both ends with molded pivots and operated without cords or strings.

Aluminum spacer frame with mechanically locked corners, 2 inches wide.

Aluminum Finish: Manufacturer's standard baked enamel, white.

Mechanism: All pivots, pinions, and racks shall be of UV stabilized materials that never need lubrication.

Manual Operation: PVC crank handle. Color as selected by Architect Engineer.

Location of crank handle as directed by Government's Representative.

PART 3 EXECUTION

3.1 INSTALLATION

Miscellaneous Specialties shall be securely fastened to the supporting construction in accordance with the manufacturer's approved instructions. Miscellaneous Specialties shall be protected from damage from the time of installation until acceptance.

3.2 SCHEDULE

FY03 Darnall Hospital Addition/Alteration
Fort Hood, Texas

ACCOMPANYING AMENDMENT NO. 0008 TO SOLICITATION NO. DACA63-03-B-0003

Miscellaneous Specialties, with the exception of the integral mini blinds shall be identified by JSN and located as indicated on drawings and Room by Room Listing.

END OF SECTION

FY03 Darnall Hospital Addition/Alteration
Fort Hood, Texas

SECTION 12335 - CASEWORK FOR MEDICAL FACILITIES
AMENDMENTS NO. 0002 AND 0008

PART 1 GENERAL

The following schedule contains a listing of the equipment items that are identified by a Joint Schedule Number (JSN). The listing contains the JSN, nomenclature, Logistical responsibility, and specification reference. The requirements for individual items of equipment are contained in the appropriate portion of these specifications as indicated in this schedule.

Equipment manufacturers called out in this document intend to establish a level of quality and not to restrict equal products.

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM C 920(1987) Elastomeric Joint Sealants

1.2 LOGISTICAL CLASSIFICATION

Methods of procurement are defined as follows:

- a. Category A: Contractor Furnished and Contractor Installed (CF/CI).
- b. Category B: Government Furnished and Contractor Installed (GF/CI).
- c. Category C: Government Furnished and Government Installed (GF/GI).
- d. Category D: Other (leased or rented equipment or that obtained under special conditions. Funds will be determined by the using service.)
- e. Category E: Government Furnished and Contractor Installed (GF/CI).
(Procurement to be delayed until the latest date feasible that will not interfere with project completion. This will provide the latest Model of equipment at the time it is needed.)
- f. Category F: Government Furnished and Government Installed (GF/GI).
Procurement to be delayed until the latest date feasible that will not interfere with project completion. This will provide the latest model of equipment at the time it is needed. Equipment designated Logistical Category "B", "C", "E", and "F" will be Government provided. For equipment installed by the Government, the Contractor shall make preparations for installation, as indicated.

FY03 Darnall Hospital Addition/Alteration
Fort Hood, Texas

1.3 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. The following shall be submitted in accordance with Section 01330 SUBMITTAL PROCEDURES.

SD-02 Shop Drawings; G

Drawings showing each type of cabinet and related item. The drawings shall clearly indicate the complete plan and elevations of the cabinets and accessories and pertinent details of construction, fabrication, and attachments.

SD-04 Product Data; G

Manufacturer's printed casework data, catalog cuts, and instructions for installation and cleaning.

SD-04 Samples; G

In lieu of individual casework samples, complete minimum size casework may be furnished as samples. Mock-up units are not acceptable. Samples shall be of sufficient size to show color, pattern, and method of assembly. Metal casework samples shall be in the color(s) specified on the drawings.

- a. Counter top and backsplash - One section, containing both.
- b. Door and drawer front - One of each, with hardware mounted.
- c. Melamine plastic color samples approximately 2 inch by 3 inch size.
- d. Stain/color samples shall be approximately 2 inch by 3 inch size.

SD-07 Certificates; G

Certificates attesting that the casework meets the requirements specified.

1.4 DELIVERY AND STORAGE

Casework shall be delivered to the jobsite wrapped in a protective covering. Casework shall be stored in an adequately ventilated, dry location that is free of dust, water, or other contaminants and in a manner to permit access for inspection and handling. Casework shall be handled carefully to prevent damage to the surfaces. Damaged items that cannot be restored to like-new condition shall be replaced.

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1.5 Contractor shall provide 12 gage metal wall reinforcing behind all wall hung items for all Logistics Categories and for all wall hung modular furniture/partition systems.

PART 2 PRODUCTS

2.1 LOGCAT "A" CASEWORK

Casework shall be as shown on the drawings. The casework shall be factory fabricated of manufacturer's standard sizes and finishes and the requirements specified below. All drawers shall be manufactured with stops that shall prevent the drawers from inadvertently coming out all the way. Devices that allow the drawer to be completely removed shall be installed. Material finish and color (**AM #0002**) are indicated on the drawings.

2.1.1 Medical Casework

Medical casework shall be baked enamel carbon steel.

2.1.2 Dental Casework

Dental operator casework shall be carbon steel covered with laminated plastic sheets. Dental prosthetics casework shall be baked enamel carbon steel.

2.1.3 Countertops

Counter tops shall be corrosion-resisting steel, plastic laminate covered plywood, plastic laminate covered particleboard, modified epoxy resin or resin coated laminated pressed wood fiber as indicated in PART 4, CLASSIFICATION AND DESCRIPTION OF CASE WORK.

2.1.4 Counter Sinks

Counter sinks shall be stainless steel. Sinks shall be of bowl sizes and depths indicated in PART 4, CLASSIFICATION AND DESCRIPTION OF CASE WORK, first dimension - front to back, second dimension - width and third dimension - depth. Double compartment sinks may be used in areas where two separate sinks are indicated in a single cabinet on the drawing provided the bowl sizes are identical. All sinks shall be supplied with stainless steel center outlet strainer and tailpiece. Plumbing fixtures shall be deck mounted with gooseneck swing faucet and 4 inch wrist blades. (Similar to Hamilton Industries Model 32L469)

PART 3 EXECUTION

3.1 INSTALLATION

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Casework shall be located as indicated. The installation of the casework shall not damage the work of other trades. The casework shall be secured in place in true alignment, level, and plumb. Units shall be secured with screws through to cleats that have been anchored to building structure fire treated wood blocking or heavy metal backing as shown on plans. Wall-hung cabinets shall be installed to support the weight of the cabinets plus the normally expected weight of the contents of the cabinets. Fasteners shall be spaced 12 inches on center using at least three bolts in each 36 inch or 48 inch unit width. Adjoining cabinets in an assembly shall be joined together at top and bottom with inconspicuous bolts or clips. Cabinets shall be bolted to bases at cabinet corners. Metal bases shall be faced with resilient material similar to the base provided for the space adjacent to the cabinets. Where base cabinets and counters are removable, wall anchors shall be readily accessible. Joints between the casework and wall surfaces which are not larger than the joints between casework sections shall be sealed flush with sealant conforming to ASTM C 920, Type M, Grade NS, Class 25, Use NT. Larger joints shall be closed with filler strips of the same material and finish as adjacent casework. Filler strips shall be cut to the contour of the wall surface and secured to the casework with concealed nails or screws. Width of filler strips shall not exceed 6 inches. Metal cabinets in rooms having sheet vinyl flooring and integral cove base shall receive the same integral cove base after cabinets are in place and anchored. Height of counter tops shall be as indicated on the drawings. Where required, toe space at front of cabinets shall be provided by installing front face of cabinets 3 inches in front of face at base and shall have a height of approximately 4 inches. All items shall be installed as required for proper operation in accordance with the manufacturer's directions.

3.2 CLEANING

Cabinets and countertops shall be cleaned in accordance with manufacturer's instructions.

3.3 Contractor shall provide all electrical power and data, medical vacuum and air piping, hot and cold water piping and drains, waste piping and vents, and wall backing, complete with hookups/connections for all JSN equipment items, regardless of Logistic Category.

PART 4 CLASSIFICATION AND DESCRIPTION OF CASEWORK

Medical and dental casework is classified in accordance with the five digit JSN numbering system. Casework shall be of the JSN's indicated on the drawings. The equipment and casework listed below are Contractor furnished - Contractor installed.

<u>JSN</u>	<u>DESCRIPTION</u>
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C0023	Wardrobe, with a fixed shelf and a solid louvered door, 84 inch H x 15 inch W x 18 inch D
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Similar to Hamilton Industries Model 901S192, or approved equal.

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C0037 Deleted (AM #0002)

C0039 Deleted (AM #0002)

C0043 Frame, Apron with one standard drawer, 4-1/2 inch H x 24 W x 22 inch D.

Similar to Hamilton Industries Model 501S221, or approved equal.

C0044 Frame, Apron with one standard drawer, 4-1/2 inch H x 30 W x 22 inch D.

Similar to Hamilton Industries Model 501S222, or approved equal.

C0045 Frame, Apron with one standard drawer, 4-1/2 inch H x 36 W x 22 inch D.

Similar to Hamilton Industries Model 501S220, or approved equal.

C01C0 Cabinet, Under Counter Base Unit, with Hinged Single Door:

One full width drawer and one adjustable shelf, 36 inch H x 18 inch W x 22 inch D. Provide left or right hinged door as indicated on drawing.

Similar to Hamilton Industries Model 337S2320, or approved equal.

C01Q0 Cabinet, Under Counter Base, Sink with Hinged Single Door:

Provide left or right hinged door as indicated on drawing, 36 inch H x 18 inch W x 22 inch D.

Similar to Hamilton Industries Model 113S2320 or approved equal.

C02C0 Cabinet, Under Counter Base, with Hinged Single Door, One Full-Width Drawer and One Adjustable Shelf:

Provide left or right hinged door as indicated on drawings, 36 inch H x 24 inch W x 22 inch D.

Similar to Hamilton Industries Model 336S4320 or approved equal.

C02D0 Cabinet, Under Counter Base, with Four Full Width Drawers, 36 inch H x 24 inch W x 22 inch D:

Similar to Hamilton Industries Model 373S4320 or approved equal.

C02Q0 Cabinet, Under Counter Base, Sink, with Hinged Single Door, Provide left or right hinged door as indicated on drawings, 36 inch H x 24 inch W x 22 inch D:

Similar to Hamilton Industries, Model 113S4220 or approved equal.

C03H0 Cabinet, Under Counter Base with two half width drawers side by side and three full width drawers, 36 inch H x 30 inch W x 22 inch D.

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Similar to Hamilton Industries Model 394S5320 or approved equal.

C03P0 Cabinet, Under Counter Base, Sink, with Hinged Double Doors, 36 inch H x 30 inch W x 22 inch D.

Similar to Hamilton Industries Model 115S5320 or approved equal.

C04E0 Cabinet, Under Counter Base, with Hinged Double Doors, one adjustable shelf and a full width drawer, 36 inch H x 36 inch W x 24 inch D.

Similar to Hamilton Industries, Model 346S6320 or approved equal.

C04J0 Cabinet, Under Counter Base, with eight half drawers, 36 inch H x 36 inch W x 22 inch D.

Similar to Hamilton Industries Model 406S6320 or approved equal.

C04K0 Cabinet, Under Counter Base, with one adjustable shelf, six half width drawers and Hinged Single Door, Provide left or right hinged door as indicated on drawings, 36 inch H x 36 inch W x 22 inch D.

Similar to Hamilton Industries Model 389S6320 or approved equal.

C05P0 Cabinet, Under Counter Sink Base, with Hinged Double Doors, 36 inch H x 48 inch W x 22 inch D.

Similar to Hamilton Industries Model 115S8320 or approved equal.

C06D0 Cabinet, Under Counter Base, with four full width drawers, 30 inch H x 18 inch W x 22 inch D.

Similar to Hamilton Industries Model 345S2220 or approved equal.

C06M0 Cabinet, Under Counter Base, with a pullboard above, two drawers and a file drawer, 30 inch H x 18 inch W x 22 inch D.

Similar to Hamilton Industries Model 330S2220 or approved equal.

CE030 Cabinet, Wall Hung, with Hinged, Framed Glass, Double Door, Two Adjustable shelves and Sloping Top, 38 inch H x 30 inch W x 13 inch D.

Similar to Hamilton Industries Models 712S5330 with 532M1060 or approved equals.

CE040 Cabinet, Wall Hung, with Hinged, Framed Glass, Double Door, Two Adjustable shelves and Sloping Top, 38 inch H x 36 inch W x 13 inch D.

Similar to Hamilton Industries Models 712S6530 with 532M1070 or approved equals.

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CE050 Cabinet, Wall Hung, with Hinged, Framed Glass, Double Door, Two Adjustable shelves and Sloping Top, 38 inch H x 48 inch W x 13 inch D.

Similar to Hamilton Industries Models 712S8530 with 532M1090 or approved equals.

CS010 Sink Counter, with wrist blades 12 inch x 12 inch x 7 1/2 inch D.

Similar to Hamilton Industries Model 52L9150 with 32L469, 34L2240, and 34L018, or approved equal.

CS200 Sink, Counter, with wrist blades, 16 inch x 28 inch x 12 inch

Similar to Hamilton Industries Model 52L949L0 with 32L469, 34L2240, and 34L018, or approved equal.

CS240 Sink, Counter, Single Compartment, with wrist blades, 12 inch x 14 inch x 16 inch

Similar to Hamilton Industries Model 52L933L0 with 32L469, 34L2240, and 34L018, or approved equal.

CT030 Countertop, Laminated, Plastic Countertop

Plastic Laminated countertop shall be of the depths and lengths indicated on drawings. The countertop shall be a minimum of 1-1/4 inch thick. With a working surface and a 4 inch high backsplash formed of one piece of plastic laminate with a minimum of 1/4 inch cove at intersection of top and splash back, Countertop front and sides, and splash back top and sides shall be covered with plastic laminate and be self edged. Intersections of all plastic laminate covered surfaces with the exception of post-formed intersection shall be a 90 degree nominal angle broken with an edge bevel to eliminate sharp line angles. Countertops 144 inch or less in length shall be in one piece. Colors of plastic laminate shall be as specified on the drawings.

Similar to Hamilton Industries Plastic Laminated Counter Top, Model 20L446A or approved equals.

X1000 Deleted (AM #0008)

X1020 Deleted [AM #0002]

X1040 Deleted [AM #0002]

X1050 Deleted [AM #0002]

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X1060 Deleted [AM #0002]

X1070 Deleted [AM #0002]

X1080 Deleted [AM #0002]

X1100 Deleted [AM #0002]

END OF SECTION