AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE	OF	PAGES
	1		2

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. *(If applicable)*
0002	12 MAY 2003		

6. ISSUED BY	CODE	7. ADMINISTERED BY *(If other than Item 6)*	CODE
US ARMY ENGINEER DISTRICT, FORT WORTH ATTN: CESWF-CT (RM 2A19) PO BOX 17300 FORT WORTH, TX 76102-0300			

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*	(X)	9A. AMENDMENT OF SOLICIATION NO.
	☒	DACA63-03-B-0003
		9B. DATED *(SEE ITEM 11)* 22 APRIL 2003
	☐	10A. MODIFICATION OF CONTRACT/ORDER NO.
		10B. DATED *(SEE ITEM 11)*

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 1 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: *(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 ☐ 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.)*

The Solicitation for ADDITIONS / ALTERATIONS DARNALL ARMY COMMUNITY HOSPITAL, FORT HOOD, TEXAS, is amended as follows:

See Continuation Sheet.

NOTE: Bid opening date and time remain 22 May 03, 2 p.m. local time, as previously announced.

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 *(Signature of Contracting Officer)*	16C. DATE SIGNED

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. 0002 TO SOLICITATION NO. DACA63-03-B-0003:"

01421	BASIC STORMWATER POLLUTION PREVENTION PLAN
08810A	GLASS AND GLAZING
12335	CASEWORK FOR MEDICAL FACILITIES

CHANGES TO THE DRAWINGS

2. Replacement Drawings.- Replace the drawings listed below with the attached new drawings(s) of the same number, bearing the notation "AM #0002":

dchg1040.cal Seq 004 G-104 PHASING PLAN - PHASE 1
dcha4010.cal Seq 053 A-401 ENLARGED TOILET PLANS
dcha4020.cal Seq 054 A-402 TOILET ELEVATIONS
dcha4040.cal Seq 056 A-404 INTERIOR ELEVATIONS
dcha5150.cal Seq 072 A-515 INTERIOR DETAILS
dcha6010.cal Seq 074 A-601 FINISH SCHEDULE
dcha6020.cal Seq 075 A-602 FINISH SCHEDULE
dcha6030.cal Seq 076 A-603 FINISH SCHEDULE
dchq1020.cal Seq 088 Q-102 1ST FLOOR EQUIPMENT PLAN - AREA "A2"
dchq1060.cal Seq 092 Q-106 2ND FLOOR EQUIPMENT PLAN - AREA "A1"
dchs202.cal Seq 120 S-202 BRACED FRAME ELEVATIONS
dchm5070.cal Seq 152 M-507 HVAC CONTROLS
dche113.cal Seq 178 E-113 1ST FLOOR SYSTEMS PLAN- AREA "A2"

END OF AMENDMENT

SECTION 01421

BASIC STORMWATER POLLUTION PREVENTION PLAN
12/2001

PART 1 GENERAL

1.1 SUMMARY

This Section provides a basic Storm Water Pollution Prevention Plan (SWPPP) for a Storm Water Construction Permit. The basic SWPPP describes the project, site information, types of pollution control structures, temporary and permanent stabilization methods, and best management practices. The SWPPP drawings (or erosion and sediment control plans) shall depict the project site, drainage pattern, limits of control, types and locations of control, and typical details of control structures.

1.2 PROJECT IDENTIFICATION AND NPDES

PROJECT TITLE: Darnall Army Community Hospital Additions and Alterations
LOCATION: Fort Hood, Texas

NPDES for storm water discharges from construction sites is authorized by the Clean Water Act and is regulated by guidance published in the Federal Register, Volume 63, Number 128, July 6, 1998. The construction sites 2.0 hectares (5.0 acres) in size or larger are required to obtain Storm Water Construction Permits. The Basic SWPPP is prepared based on Storm Water Management for Construction Activities: Developing Pollution Prevention Plans and Best Management Practices, EPA-832-R-92-005.

EPA administers the NPDES Storm Water Construction Permit program for larger than 2.0 hectares (or 5 acres) construction sites until July 3, 2003.

Texas Pollutant Discharge Elimination System (TPDES) will administer the Storm Water Construction Permit for construction sites larger than 2.0 hectares (or 5 acres) after July 3, 2003. When the current NPDES permit for large construction site expires on July 7, 2003, the Contractor is responsible to file for a new Texas Pollution Discharge Elimination System (TPDES) permit and comply with Notice of Intent (NOI) and Notice of Termination (NOT) and other requirements as stated. More information is available on the following web site:
http://www/tnrcc.state.tx.us/permitting/waterperm/wwperm/construct.html
Per permit requirement. The Government and the construction Contractor shall each file for a separate Notice of Intent (NOI). The construction Contractor shall file the Notice of Termination (NOT) after final site stabilization. The Contractor shall use the basic SWPPP to prepare the Contractor's detailed (or site specific) SWPPP.

1.3 PROJECT DESCRIPTION

The Darnall Army Community Hospital Additions/Alterations, Project Number 053431, consists of a building addition to the west side of the existing hospital, construction of new parking facilities to the east of Wratton Drive, removal of existing parking pavements, utility connections, landscaping, side-walks, electrical service, exterior lighting, fire

protection, alarm system, HVAC and control systems. Site demolition activities for the main project site shall include existing curb, gutters, signage, utilities (water, sewer), asphalt and concrete pavement. Other demolition activities shall include building interior. The disturbed area for the main site is approximately 1.6 acres. The disturbed area for the parking site is about , 1.8 acres max. The total project disturbed area is about 3.4 acres and all of which will be disturbed.

1.4 STANDARD INDUSTRIAL CLASSIFICATION (SIC)

The construction activity shall have the following Standard Industrial Classification (SIC) in accordance with the Standard Industrial Classification Manual published by the Office of Management and Budget.

a. 1542 - General Contractors - Non-Residential Buildings, Other than Industrial Buildings and Warehouses (i.e. administrative buildings)
b. 1623 - Water, Sewer, Pipeline, and Communications and Power Line Construction
c. 1771 - Concrete Work (includes asphalt, i.e. access drives and parking lots, culvert construction)

1.5 LOCATION

The proposed addition is at Darnall Army Community Hospital located south of Darnall Loop at Fort Hood, Texas. This project site is in Coryell County, Texas. The complex is at latitude N31 degrees 09 minutes 00 seconds and longitude W97 degrees 48 minutes 00 seconds. The parking lot is adjacent to the east side of the hospital.

1.6 RECEIVING WATERS

The proposed project site is located in the Brazos River watershed. The eastern side of the main site drains east to a ditch that flows north along the west side of Clear Creek, then flows east into the man-made detention pond (West Lake). The upper western side of the main site sheet flows west and eventually drains north and then east. The site drainage continues north from the detention pond outfall to Cowhouse Creek and eventually flows east into Belton Lake. Belton Lake is on Leon River that ultimately flows into the Brazos River.

PART 2 SITE DESCRIPTION

2.1 EXISTING CONDITIONS

The primary construction site for the building addition is fully developed. The run off coefficient is 0.85. The parking site coefficient is 0.4.

2.2 FUTURE CONDITIONS

The building exterior will have at least 5 percent slope for the initial 10 feet in the turfed areas. The longitudinal grades of the new roads, fire drives, and the pavement adjacent to the addition will have a maximum slope of 8 percent and a transverse slope of 2 percent. The POV parking areas will have a maximum 5 percent slope along the aisle and a transverse slope of 1.5 percent. Side-walks will have a maximum slope of 12 percent longitudinally with a cross slope of 1.5 percent. All paved areas will slope to drain at a minimum of 0.5 percent and all turfed areas will have slopes ranging from 1 to 20 percent. Stormflow is unchanged. Storm flow from the POV parking area, east of the facility, will sheet flow to curb

inlets to drain most of the paved areas, swales and surface inlets to drain most of the turfed areas. An underground roof drainage system is provided at the addition. The storm drainage system will discharge to the existing drainage system located on site. The completed main site runoff coefficient (C) will be approximately 0.85. The parking area runoff coefficient will be 0.85.

2.3 CONSTRUCTION PHASING

The anticipated project start and completion dates are June 2003, and June 2005. The Contractor shall verify the project start and completion dates in the Contractor's detailed Storm Water Pollution Prevention Plan (SWPPP) of the awarded contract and the Notice of Intent for NPDES permit. The Contractor shall also verify the construction phasing requirements and discuss it in the Contractor's detailed SWPPP. The Contractor shall maintain a record of construction activities and note the dates when major activities occur.

Major Construction Activities:

A. Establishing, Inspecting and Maintaining Erosion and Sediment Control Structures. The Contractor shall describe the initial erosionand sediment structures to be established prior to conducting sitedisturbing activities. The erosion and sediment control structures shall be set up at existing drainage ditches and culverts adjacent to the construction site. The site shall be inspected and for adequate pollution prevention during onstruction.

B. Demolition, Clearing and Grubbing. The Contractor shall typically perform work within the approximate limit of grading depicted on the civil demolition plans. The approximate limit of erosion and sediment control is typically aligned with the approximate limit of grading. If it is necessary to minimize storm water pollution, control structures shall be set-up beyond the limit of erosion and sediment control. The demolition items include existing structures, concrete and asphalt pavement. Clearing and grubbing shall include brush and trees.

C. Grading and Drainage. The completed site shall be graded to minimize erosion and remove storm drainage via sheet flow to drainage ditches or piping.

D. Construction Phasing - The Contractor shall discuss the major construction phasing activities and sequence of implementation, base and optional (if applicable) bid items in the detailed SWPPP.

E. Site Stabilization - The Contractors' detailed SWPPP shall discuss methods for temporary and permanent stabilization, and location of such activities. The Contractor shall remove control structures after establishment of final stabilization and approval of the Contracting Officer Representative (COR). Final Stabilization is accomplished when vegetation at the disturbed site has achieved 70 percent (%) of the background native vegetation.

2.4 SOILS DATA

The following soil information is obtained from the geotechnical report prepared by the U.S. Army Corps of Engineers (USACE). There were 24 test

holes drilled at the project site in December 2001 by the Corps of Engineers, Fort Worth District to obtain subsurface soil conditions and soil or rock sample for analysis. Fort Hood lies within the Central Texas section of the Great Plains physiographic province. The topographic features of the area are those of a dissected plateau characterized by buttes and mesas. The uppermost primary stratum underlying Fort Hood is the Walnut Formation of the Comanche Series, Cretaceous age. The Walnut Formation is composed of gray-black, calcareous clay shales alternating with beds of chalky, nodular limestone and shell conglomerates. The overburden soils within the area vary from a few millimeters to greater than 9 meters in thickness, and consists of clays of low to high plasticity, clayey gravels, and/or clay choked limestone nodules. The subsurface stratigraphy consists of clay overburden features and deeper formations of marl/shale and limestone primary material. The clay overburden features are of low to high plasticity (CL and CH) and vary in thickness from knife-edge to approximately 1.58 meters. The marl/shale layer extends to depths ranging from more than one (1) to less than five (5) feet. The weathered limestone primary materials extend from more than four (4) to less than eight (8) feet. The soil type is generally well drained; however, permeability is moderately slow. Runoff is medium to rapid. Static water levels observed after a 24-hour period is approximately ranged from 1 to 3 feet along the proposed access road. At other test holes, the static water levels are around 5 feet.

2.5 DRAWINGS

The storm water pollution prevention drawing set shall consist of project location map and erosion and sediment control plans for Base Bid, and Bid Options (if applicable). The sediment and erosion control plans provided is a recommended method of erosion and sediment control from the government (as the owner of the construction site during the contractual period). An index of drawings is at the end of this section. The plans depict the limits of control, types of control structures, and control structures detail drawings. The Contractor shall submit a revised construction set of erosion and sediment control plans for review and approval.

PART 3 EROSION AND SEDIMENT CONTROLS

3.1 TEMPORARY STABILIZATION

EPA storm water construction permit requires temporary stabilization by the 14th day after the last disturbance, if the construction site is not to be re-disturbed for 21 days or longer. Temporary stabilization shall be implemented when there are contract delays in the turfing operation or when seasonal conditions preclude immediate permanent stabilization measures. The contractor shall utilize fast-growing vegetative cover to hold down soil in disturbed areas for this application. The Contractor shall discuss method and protocol for temporary stabilization in the Contractor's detailed SWPPP.

3.2 PERMANENT STABILIZATION

All unpaved, graded, and disturbed areas within the limit of erosion and sediment control resulting from the Contractor's construction activities shall receive turfing treatment in accordance with specification Section 02925 ESTABLISHMENT OF TURFING. Permanent soil stabilization shall be initiated 14 days after the last site disturbance activities have ceased. The disturbed drainage swales or ditches are permanently stabilized by concrete paving. The Contractor shall discuss method and protocol for

permanent stabilization in the Contractor's detailed SWPPP.

3.3 TEMPORARY SEDIMENT BASINS

A temporary sediment basin is not required.

3.4 STRUCTURAL CONTROLS

The Contractor shall use as many subsections as necessary to adequately describe erosion and sediment control measures practiced during construction. The Contractor shall include discussions of control structures such as SILT FENCES, ROCK BERM or CHECK DAMS, STAKED STRAW BALE DIKE, SEDIMENT LOG, STABILIZED ENTRANCE/EGRESS DETAIL, and others applicable control structures and detail drawings in the Contractor's detailed SWPPP.

PART 4 STORM WATER MANAGEMENT CONTROLS

4.1 RUNOFF COMPUTATIONS

The changed site conditions after project completion shall increase storm drainage. Civil designers have calculated runoff computations using the rational formula based on a design storm frequency of 10 years. The permanent drainage structures used are adequate for conditions at the completed site. After completion of the main facilities, the runoff coefficient (C) is anticipated to be 0.85. The site layout and grading shall allow storm drainage via sheet flow and captured by drainage grates to discharge off-site. The drainage permanent structures such as curbs and gutters, pipe culverts, drainage swales, regraded and enlarged ditches, concrete head walls, and pavement slopes, etc. shall minimize channel erosion.

PART 5 BEST MANAGEMENT PRACTICES DURING CONSTRUCTION

The construction Contractor, or its subcontractors, shall minimize pollution to storm water runoff. The Contractor shall discuss BMP in the Contractor's detailed SWPPP and implement Best Management Practices (BMP) during construction.

5.1 WASTE MATERIALS

Solid waste materials (trash and construction debris) shall be placed in appropriate waste containers with covers. Waste containers shall be emptied regularly to avoid overflow. The Contractor shall brief the workers to keep the site clean from solid waste. The Contractor is encouraged to practice recycling by providing separate containers for glass, plastic and trash. The disposal and recycling shall be coordinated with Fort Hood Sanitary Landfill. Other recyclable waste shall be coordinated with For Hood Classification Yard (reference Section 01368 - Special Project Procedures for Fort Hood). The disposal area of excavated material from project construction shall not be utilized for waste disposal. Routine janitorial service shall be provided for all construction buildings and surrounding grounds. No construction waste materials, including concrete, shall be buried or otherwise disposed on-site. All site personnel shall be informed of the correct procedures for solid waste disposal.

5.2 HAZARDOUS WASTE OR REGULATED MATERIAL

There is no known hazardous or regulated waste to be removed in this project. Chemical waste shall be stored in clearly labeled, corrosion-resistant containers, and stored in areas approved by COR. Site personnel shall be briefed on the correct procedures for handling hazardous waste.

5.3 SANITARY WASTE

On-site sanitary facilities shall be established during construction. The facility location, design, maintenance, and waste collection practices shall be in accordance with local regulations.

5.4 OFF-SITE VEHICLE TRACKING AND DUST

The Contractor shall describe practices to keep vehicles from tracking soils from the construction, material borrow and disposal sites in the Contractor's detailed SWPPP. The Contractor shall describe practices for dust control (i.e. sprinkling, chemical treatment, light bituminous treatment, or similar methods approved by the COR). The open-bed vehicles shall be covered and stabilized to avoid their loss during transport. Any temporary parking area(s) to be used 30 calendar days or more for the Contractor's equipment or personal vehicles shall be stabilized. The method of stabilization shall be discussed in the Contractor's detailed SWPPP and indicated on drawings and submitted for approval. The temporary parking area(s) shall be removed by the Contractor and the disturbed site(s) shall be restored upon project completion to the COR's satisfaction.

5.5 FERTILIZERS

If fertilizers are used they shall be applied in the stated amounts when weather conditions are appropriate and as recommended by the manufacturer.

5.6 CONSTRUCTION VEHICLE MAINTENANCE AND REPAIR

Specific areas shall be designated for equipment maintenance and repair to minimize potential impact on storm water. These locations shall be chosen to minimize potential impacts on receiving streams and waterways. They shall be approved by the COR, and control structures shall be established. All construction vehicles shall be regularly inspected for leaks and receive regularly scheduled maintenance to reduce the potential for fluid leaks.

5.7 VEHICLE FUELING

Vehicle fueling at the project site shall be conducted in accordance with BMP to reduce potential for leaks and spills. Only properly constructed fuel containers shall be used on-site and shall be labeled and stored in accordance with applicable Federal, state, and local codes. Washing and curing waters shall be drained into a temporary retention basin constructed by the Contractor. The basin and disturbed site shall be cleaned by the Contractor to the satisfaction of the Contracting Officer's Representative upon project completion.

PART 6 TIMING OF CONTROLS AND ACTIVITIES.

The Contractor shall identify situations which are critical to successful construction of erosion and sediment control structures, but will not limit the Contractor's ability to determine construction phasing schedule. The

Contractor shall prepare a sequence of major activities that include establishment of erosion and sediment control structures, prior to earth disturbing activities. Temporary and permanent stabilization shall be identified within the time frame specified in the NPDES permit, unless a permit extention is filed. Several general principles shall be considered in preparation of the sequence of major activities: (1) install down slope and side slope perimeter controls before earth disturbing activities; (2) do not disturb an area until it is necessary for construction to proceed; (3) cover or stabilize disturbed areas as soon as practicable; (4) time construction activities to limit impacts from seasonal climate changes or weather events; (5) delay construction of infiltration measures until the end of construction project when upstream drainage areas have been established; and (6) do not remove temporary perimeter controls until up slope disturbed area is stabilized.

PART 7 COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS

The Record of Environmental Consideration (REC) for the proposed Enlisted Barracks Complex III (PN 54520) was prepared by Fort Hood DPW-Environment Management Branch and signed on 31 January, 2001. The proposed action meets Categorical Exclusion A-7, Appendix A, AR 200-2. The new facilities will be approximately 20 feet south of Landfill No.6 and they will not alter current land use. The completed facility will not affect agricultural lands, wetlands, coastal zones, wilderness areas, aquifers, floodplains, wild and scenic rivers, and other other areas of critical environmental concern. The proposed site has no known archeological value or Native American cultural items. The project complies with the National Historic Preservation Act (PL 89-665) as amended, and EO 11593. There is no consultation required with the State Historical Preservation Office (SHPO).

Army Regulation 200-1 requires the Department of Defense to comply with Federal environmental protection statutes, which include a provision to observe state, and local environmental regulations. The Contractor shall comply with all NPDES permit requirements.

PART 8 MAINTENANCE AND INSPECTION PROCEDURES

The Contractor shall inspect, maintain, and repair control structures to ensure the construction site is in good operational conditions. All pollution prevention control structures and measures shall be inspected at least once every seven (7) days and within twenty-four (24) hours following any storm producing 13 mm (or 0.5 inches) or more of rainfall. The Contractor shall have a Designated Site Inspector to inspect, maintain, repair, and keep record of storm water pollution prevention activities. The site inspector shall thoroughly understand the requirements of the Contractor's detailed SWPPP and shall have a basic knowledge of the engineering principles to minimize pollution.

Temporary stabilization or grading shall be inspected for erosion and soil loss from the site. Temporary erosion control measures shall be inspected for bare spots and washouts. Discharge points shall be inspected for signs of erosion or sediment. Locations where vehicles enter and leave the site shall be checked for signs of off-site sediment tracking. Inspection points shall also include erosion control structures at material borrow, disposal and stockpiled areas. The Best Management Practices (BMP) and pollution control maintenance procedures shall be reviewed for adequate erosion control by the Contractor during construction. All deficiencies shall be corrected, recorded in the Inspection and Maintenance Report,

posted at the project bulletin board, and submitted to the COR as is required after each inspection. Corrections to these problems shall be implemented within seven (7) calendar days. After final stabilization has been achieved, the Contractor shall inspect the site once a month until final inspection and project acceptance by the COR.

PART 9 MATERIAL INVENTORY

Each material or substance brought on-site shall have a Material Safety Data Sheet (MSDS) available to the COR. These materials may include concrete, paints, sealants, petroleum-based products, cleaning solvents, fertilizers, tar, asphalt, and steel reinforcing bars, etc. The list of materials and the respective material safety data sheets (MSDS) shall be stated in the Contractor's detailed SWPPP. Materials in excess of job requirements shall not be stored on-site.

PART 10 NON-STORM WATER DISCHARGE

Non-storm water discharge shall not be allowed during construction of the project except for emergency fire-fighting flows and other flows permitted in accordance with 63 FR 128, July 6, 1998. Spillage of oil and hazardous substances in excess of reporting quantities shall be reported as required under 40 CFR 110, 117 and 302. Spill containment, notification, and clean-up shall be in accordance with applicable Federal, state, and local regulations, and to the satisfaction of the COR. In the event of a Reportable Quantity (RQ) Release, as a minimum, the following tasks shall be performed: (1) notify the National Response Center immediately at (800) 424-8802; (2) within 14 days, submit a written description of the release to the appropriate regulatory agency (EPA Region 6 or TCEQ); providing data and circumstances of the release to be taken to prevent future release;and (3) document this incident to the Contracting Officer's Representative as part of the Inspection and Maintenance Report requirements.

PART 11 CONTRACTOR COMPLIANCE

The Contractor shall use this basic SWPPP to prepare a detailed SWPPP that includes both narrative and drawings (Erosion and Sediment Control Plans). The Contractor shall establish erosion and sediment control structures and implement best management practices as required by the NPDES permit for the duration of project construction. The primary objective of the detailed SWPPP is to ensure diversion of up slope drainage around the disturbed areas of the site; limit the exposure of the disturbed areas to the shortest duration possible; engineering and construction practices to minimize erosion, and removal of the sediment from storm water before it leaves the site. The detailed SWPPP shall state the following as a minimum: (1) the project start and completion dates; (2) base bid and bid options (if applicable) to be executed with the project;(3) sequence of construction activities and associated pollution control measures; (4) discussion of the BMP and its implementation and temporary and permanent stabilization method and protocol; (5) identify the list of materials brought on-site, including the MSDS; (6) revised Erosion and Sediment Control Plans to include both project sites (the electrical sub-station and main), staging areas, stockpiled, borrow, and disposal areas, and show locations of controlstructures; (7) revise format of Inspection and Maintenance (I&M) Report, (paragraph 12.2 or other format as preferred to use by the Contractor) to depict the actual report for submittal to the COR (i.e. the correct type of control structures shall be in the report format); (8) provide name and qualification of a Contractor Designated Site Inspector; (9) the inspector shall be responsible to inspectand maintain

the control structures, record findings in the I&M Report, and document major construction activities, (i.e. control structures establishment, grading, construction cease date, temporary and permanent stabilization); (10) repair control structures for the duration of construction and record all modifications as the Record of Revision; (11) Contractor shall inspect the erosion control structures at least once a month after establishment of the permanent stabilization; (12) Contractor shall not remove erosion control structures until project acceptance by the COR; (13) report Reportable Quantity Release; (14) Contractor or the Contractor Designated Site Inspector shall train workers to properly install erosion control structures; (15) Contractor shall maintain all records (i.e. Contractor's detailed SWPPP, Storm Water Construction (NPDES or TPDES) permit, reports required by the NPDES or TDPES permit, Record of Revision, NOI and NOT) for a duration of three (3) years after completion of final stabilization; (16) A copy of all documentation pertaining to NPDES or TPDES permit shall be provided to the COR as closure document; (17) The Contractor shall maintain records of construction activities, and dates for initial stabilization when construction activities are temporary or permanently cease at a portion of site; (18) Contractor or subcontractor responsible to implement measures in the detailed SWPPP and terms and conditions of the Stormwater Construction Permit shall each sign, date, and submit a copy of the certification statement (duplicate as required for signatures); (19) When the current NPDES permit for large construction site expires on July 7, 2003, the Contractor is responsible to file for a new Texas Pollution Discharge Elimination System (TPDES) permit and comply with Notice of Intent (NOI) and Notice of Termination (NOT) and other requirements as stated.

Being responsible for the daily operations at the construction site, the Contractor shall submit a Notice of Intent (NOI) for the NPDES Storm Water Construction Permit to EPA or TCEQ as deemed appropriate (reference NOTE 3 of paragraph 1.2 PROJECT IDENTIFICATION AND NOTES). The NOI (EPA Form 3510-6) shall be submitted no later than 48 hours before start of construction. A separate NOI is required for each construction contract or each phase of the construction activities. The mailing address to EPA for the NOI submittal is:

Storm Water Notice of Intent (4203)
USEPA, 401 M Street, SW
Washington, D. C. 20460

The Contractor shall comply with permit requirements for TPDES permit when NPDES expires. Contacts for TPDES is available in PART 1. The Contractor's detailed SWPPP (including narrative and drawing) shall be submitted for review and approval. A copy of the NOI shall be provided to the COR before start of construction. A copy of the U.S. Army Corps of Engineers NOI (obtained from the COR), the Contractor's NOI, a brief project description, all other applicable documents as stated in this paragraph shall be posted on the project bulletin board. The Contractor's detailed SWPPP shall be kept on-site at all times.

No later than 10 working days after acceptance of final stabilization, and approval of the COR, the Contractor shall submit the Notice of Termination (NOT), EPA Form 3510-7 to EPA. Two copies of the submitted NOT shall be provided to the COR's project file. EPA Forms are available on web site at http://www.epa.gov/earth1r6/6en/w/forms.htm.

As the owner of the project site during construction, the POC below is responsible to submit the NOI on behalf of the U.S. Army Corps of Engineers.

ATT: Ms. Kathy Mitchell,
CESWF-PER-EE (RM 3A14)
U.S.Army Corps of Engineers
819 Taylor Street
Fort Worth, TX 76102-0300

PART 12 ATTACHMENTS

12.1 OWNER CERTIFICATION

OWNER CERTIFICATION
FOR
DARNALL ARMY COMMUNITY HOSPITAL ADDITIONS/ALTERATIONS (053431)
FORT HOOD, TEXAS

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

MICHAEL J. MOCEK, P.E.
DEPUTY DISTRICT ENGINEER
Date Certified:_____

Attachments:

Sheet No.	Title
	PROJECT LOCATION MAP
H101 thru H103	EROSION AND SEDIMENT CONTROL PLAN 1, PLAN 2 & PLAN 3
H303	EROSION AND SEDIMENT CONTROL DETAILS

12.2 INSPECTION AND MAINTENANCE REPORT

STORMWATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT

(NOTE: Add or delete as necessary to depict the type of erosion or sediment control structures to be used at the construction site.)

INSPECTOR:_____ DATE:_____

PROJECT NAME:_____

SITE
CONDITIONS:_____

REASON FOR INSPECTION: WEEKLY 1/2 INCH RAIN (circle one)

DAYS SINCE LAST RAINFALL:_____ AMOUNT OF LAST RAINFALL:_____INCHES

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibilities of fine and imprisonment for knowing violations."

INSPECTOR:_____ DATE:_____
(signature)

STABILIZATION MEASURES

STORMWATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT

AREA	DATE SINCE LAST DISTURBANCE	DATE OF NEXT DISTURBANCE	STABILIZED (YES/NO?)	STABILIZED WITH	CONDITION

STABILIZATION REQUIRED:

TO BE PERFORMED BY:_____ ON or BEFORE:_____

STORMWATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT

OTHER CONTROLS - STABILIZED CONSTRUCTION ENTRANCE

IS MUCH SEDIMENT TRACKED ONTO THE ROAD?	ARE DUST AND SEDIMENT CONTROL MEASURES WORKING?	DOES ALL TRAFFIC USE THE STABILIZED ENTRANCE TO THE SITE?	ARE ASSOCIATED DRAINAGE STRUCTURES WORKING?

MAINTENANCE REQUIRED FOR CONSTRUCTION ENTRANCE:

TO PERFORMED BY:_____ ON OR BEFORE:_____

OTHER CONTROLS - DEVELOP SITE SPECIFIC TABLES AS NEEDED

FOR ALL STABILIZATION MEASURES, STRUCTURAL, AND NON-STRUCTURAL CONTROLS

CHANGES/CORRECTIONS REQUIRED IN POLLUTION PREVENTION PLAN:

REASONS FOR CHANGES:

INSPECTOR'S SIGNATURE:_____ DATE:_____

STORMWATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT

MAINTENANCE REQUIRED FOR STORM GRATES:

_____
_____
_____
_____
_____

TO BE PERFORMED BY:_____ ON OR BEFORE:_____

STRUCTURAL CONTROLS - SILT FENCE(S)

FROM	TO	IS THE BOTTOM OF THE FABRIC STILL BURIED?	IS THE FABRIC IN GOOD CONDITION?	HOW DEEP IS THE SEDIMENT?

_____

MAINTENANCE REQUIRED FOR THE SILT FENCE (S):

_____
_____
_____
_____
_____

TO BE PERFORMED BY:_____ ON OR BEFORE:_____

STORMWATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT

STRUCTURAL CONTROLS - SEDIMENT LOG (S)

FROM	TO	IS SEDIMENT LOG STABILIZED?	IS THERE EVIDENCE OF WASH-OUT OR OVERTOPPING?

MAINTENANCE REQUIRED FOR THE SEDIMENT LOG(S):

TO BE PERFORMED BY:_____ ON OR BEFORE:_____

12.3 CONTRACTOR /SUBCONTRACTOR CERTIFICATION

CONTRACTOR /SUBCONTRACTOR CERTIFICATION
FOR
DARNALL ARMY COMMUNITY HOSPITAL
ADDITIONS AND ALTERATIONS (PN 053431)
FORT HOOD, TEXAS

Name of Contractor /Subcontractor:_____

Address:_____

Telephone Number:_____

Type of Service to be Provided:_____
_____
_____

Certification Statement:

"I certify under the penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination Systems (NPDES) permit that authorize the storm water discharge associated with the industrial activity from the construction site identified as apart of this certification."

Name:_____ Date:_____

Title:_____

-- End of Section --

SECTION 08810A

GLASS AND GLAZING
[AM #0002]

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 basic designation only.

AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)

ANSI Z97.1	(1984; R 1994) Safety Performance Specifications and Methods of Test for Safety Glazing Materials Used in Buildings

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM C 509	(1994) Elastomeric Cellular Preformed Gasket and Sealing Material
ASTM C 669	(1995) Glazing Compounds for Back Bedding and Face Glazing of Metal Sash
ASTM C 864	(1999) Dense Elastomeric Compression Seal Gaskets, Setting Blocks, and Spacers
ASTM C 920	(1998) Elastomeric Joint Sealants
ASTM C 1036	(1991; R 1997) Flat Glass
ASTM C 1048	(1997b) Heat-Treated Flat Glass - Kind HS, Kind FT Coated and Uncoated Glass
ASTM C 1172	(1996el) Laminated Architectural Flat Glass
ASTM C 1349	(1996) Architectural Flat Glass Clad Polycarbonate
ASTM D 395	(1998) Rubber Property - Compression Set
ASTM E 119	(1998) Fire Tests of Building Construction and Materials
ASTM E 773	(1997) Accelerated Weathering of Sealed Insulating Glass Units
ASTM E 774	(1997) Classification of the Durability of Sealed Insulating Glass Units
ASTM E 1300	(1998) Determining the Minimum Thickness and Type of Glass Required to Resist a Specified Load

AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE)

ASCE 7	(1995) Minimum Design Loads for Buildings and Other Structures

U.S. NATIONAL ARCHIVES AND RECORDS ADMINISTRATION (NARA)

16 CFR 1201	Safety Standard for Architectural Glazing Materials

U.S. GENERAL SERVICES ADMINISTRATION (GSA)

CID A-A-378	(Basic) Putty Linseed Oil Type, (for Wood-Sash-Glazing)

GLASS ASSOCIATION OF NORTH AMERICA (GANA)

GANA Glazing Manual	(1997) Glazing Manual
GANA Standards Manual	(1995) Engineering Standards Manual

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 80	(1999) Fire Doors and Fire Windows
NFPA 252	(1995) Fire Tests of Door Assemblies
NFPA 257	(1996) Fire Tests for Window and Glass Block Assemblies

1.2 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

Installation;

Drawings showing complete details of the proposed setting methods, mullion details, edge blocking, size of openings, frame details, materials, and types and thickness of glass.

SD-03 Product Data

Insulating Glass;
Glazing Accessories;

Manufacturer's descriptive product data, handling and storage recommendations, installation instructions, and cleaning instructions.

SD-04 Samples

Insulating Glass;

Two 8 x 10 inch samples of each of the following: insulating glass units.

SD-07 Certificates

Laminated Glass For Exterior Installations; G
Insulating Glass;

Certificates stating that the glass meets the specified requirements. Labels or manufacturers marking affixed to the glass will be accepted in lieu of certificates.

1.3 SYSTEM DESCRIPTION

Glazing systems shall be fabricated and installed watertight and airtight to withstand thermal movement and wind loading without glass breakage, gasket failure, deterioration of glazing accessories, and defects in the work. Glazed panels shall comply with the safety standards, as indicated in accordance with ANSI Z97.1. Glazed panels shall comply with indicated wind/snow loading in accordance with ASTM E 1300.

1.4 DELIVERY, STORAGE AND HANDLING

Glazing compounds shall be delivered to the site in the manufacturer's unopened containers. Glass shall be stored indoors in a safe, well ventilated dry location in accordance with manufacturer's instructions, and shall not be unpacked until needed for installation. Glass shall not be stored on site over 1 month.

1.5 PROJECT/SITE CONDITIONS

Glazing work shall not be started until outdoor temperature is above 40 degrees F and rising, unless procedures recommended by glass manufacturer and approved by Contracting Officer are made to warm the glass and rabbet surfaces. Ventilation shall be provided to prevent condensation of moisture on glazing work during installation. Glazing work shall not be performed during damp or raining weather.

1.6 WARRANTY

1.6.1 Insulating Glass

Manufacturer shall warrant the insulating glass to be free of fogging or film formation on the internal glass surfaces caused by failure of the hermetic seal for a period of 10 years from Date of Substantial Completion. Warranty shall be signed by manufacturer.

PART 2 PRODUCTS

2.1 FLOAT GLASS

2.1.1 Annealed Glass

Annealed glass shall be Type I transparent flat type, Class 1 - clear Quality q3 - glazing select, conforming to ASTM C 1036.

2.2 ROLLED GLASS

2.2.1 Wired Glass

Wired glass shall be Type II flat type, Class 1 - transparent. Wire mesh shall be polished stainless steel Mesh 2 - square. Wired glass for fire-rated doors shall be tested as part of a door assembly in accordance with NFPA 252.

2.3 INSULATING GLASS

Insulating glass shall be Class A preassembled units of dual-seal construction consisting of lites of glass separated by an aluminum, steel, or stainless steel, spacer and dehydrated space conforming to ASTM E 773 and ASTM E 774. Glazing shall have a minimum frame bite of 3/8-in for structural glazed window systems and 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 200-lbs/in and a shear force of 75 lbs/in. Spacer shall be roll-formed, with bent or tightly welded or keyed and sealed joints to completely seal the spacer periphery and eliminate moisture and hydrocarbon vapor transmission into airspace through the corners. Primary seal shall be compressed polyisobutylene and the secondary seal shall be a specially formulated silicone. Glass types shall be as follows:

2.3.1 Clear Insulating Glass

Glass for two-pane insulating units shall be laminated glass conforming to requirements of UFC 4-010-01 July 31 2002. Glass performance shall be R-Value/Winter Nighttime 2.72.

2.4 HEAT-TREATED GLASS

Heat-treated glass shall conform to the following requirements.

2.4.1 Tempered Glass

Tempered glass shall be kind FT fully tempered transparent flat type, Class 1-clear, Condition A uncoated surface, Quality q3 - glazing select, conforming to ASTM C 1048 and GANA Standards Manual. Color shall be clear.

2.4.2 Heat-Strengthened Glass

Heat-strengthened glass shall be kind HS heat-strengthened transparent flat type, Class 1-clear, Condition A uncoated surface, Quality q3 - glazing select, conforming to ASTM C 1048. Color shall be clear.

2.5 LAMINATED GLAZINGS

2.5.1 Laminated Glass For Interior Installations

Laminated glass shall consist of two layers of Type I transparent float glass, Class 1-clear Quality q3 - glazing select, conforming to ASTM C 1036. Glass shall be bonded together with 0.030 inch thick PVB interlayer under pressure, or alternatives such as resin laminates, conforming to requirements of UFC 4-010-01 July 31 2002 and 16 CFR 1201 and ASTM C 1172. Color shall be clear.

2.5.2 Laminated Glass For Exterior Installations

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-butyral (PVB) interlayer. For insulated glass units, use 1/4 inch laminated glass inner pane as a minimum. **[AM #0002]**

2.6 MIRRORS

2.6.1 Glass Mirrors

Glass for mirrors shall be Type I transparent flat type, Class 1-clear, Glazing Quality q1 1/4 inch thick conforming to ASTM C 1036. Glass color shall be clear. Glass shall be coated on one surface with silver coating, copper protective coating, and mirror backing paint. Silver coating shall be highly adhesive pure silver coating of a thickness which shall provide reflectivity of 83 percent or more of incident light when viewed through 1/4 inch thick glass, and shall be free of pinholes or other defects. Copper protective coating shall be pure bright reflective copper, homogeneous without sludge, pinholes or other defects, and shall be of proper thickness to prevent "adhesion pull" by mirror backing paint. Mirror backing paint shall consist of two coats of special scratch and abrasion-resistant paint , and shall be baked in uniform thickness to provide a protection for silver and copper coatings which will permit normal cutting and edge fabrication.

2.6.2 Mirror Accessories

2.6.2.1 Mastic

Mastic for setting mirrors shall be a polymer type mirror mastic resistant to water, shock, cracking, vibration and thermal expansion. Mastic shall be compatible with mirror backing paint, and shall be approved by mirror manufacturer.

2.6.2.2 Mirror Clips

Concealed fasteners of type to suit wall construction material shall be provided with clips.

2.7 GLAZING ACCESSORIES

2.7.1 Preformed Tape

Preformed tape shall be elastomeric rubber extruded into a ribbon of a width and thickness suitable for specific application. Tape shall be of type which will remain resilient, have excellent adhesion, and be chemically compatible to glass, metal, or wood.

2.7.2 Sealant

Sealant shall be elastomeric conforming to ASTM C 920, Type S or M, Grade NS, Class 12.5, Use G, of type chemically compatible with setting blocks, preformed sealing tape and sealants used in manufacturing insulating glass. Color of sealant shall be as specified on the drawings.

2.7.3 Glazing Gaskets

Glazing gaskets shall be extruded with continuous integral locking projection designed to engage into metal glass holding members to provide a watertight seal during dynamic loading, building movements and thermal

movements. Glazing gaskets for a single glazed opening shall be continuous one-piece units with factory-fabricated injection-molded corners free of flashing and burrs. Glazing gaskets shall be in lengths or units recommended by manufacturer to ensure against pull-back at corners. Glazing gasket profiles shall be as indicated on drawings.

2.7.3.1 Fixed Glazing Gaskets

Fixed glazing gaskets shall be closed-cell (sponge) smooth extruded compression gaskets of cured elastomeric virgin neoprene compounds conforming to ASTM C 509, Type 2, Option 1.

2.7.3.2 Wedge Glazing Gaskets

Wedge glazing gaskets shall be high-quality extrusions of cured elastomeric virgin neoprene compounds, ozone resistant, conforming to ASTM C 864, Option 1, Shore A durometer between 65 and 75.

2.7.3.3 Aluminum Framing Glazing Gaskets

Glazing gaskets for aluminum framing shall be permanent, elastic, non-shrinking, non-migrating, watertight and weathertight.

2.7.4 Putty and Glazing Compound

Glazing compound shall conform to ASTM C 669 for face-glazing metal sash. Putty shall be linseed oil type conforming to CID A-A-378for face-glazing primed wood sash. Putty and glazing compounds shall not be used with insulating glass or laminated glass.

2.7.5 Setting and Edge Blocking

Neoprene setting blocks shall be dense extruded type conforming to ASTM D 395, Method B, Shore A durometer between 70 and 90. Edge blocking shall be Shore A durometer of 50 (+ or - 5). Silicone setting blocks shall be required when blocks are in contact with silicone sealant. Profiles, lengths and locations shall be as required and recommended in writing by glass manufacturer.

PART 3 EXECUTION

3.1 PREPARATION

Openings and framing systems scheduled to receive glass shall be examined for compliance with approved shop drawings, GANA Glazing Manual and glass manufacturer's recommendations including size, squareness, offsets at corners, presence and function of weep system, face and edge clearance requirements and effective sealing between joints of glass-framing members. Detrimental materials shall be removed from glazing rabbet and glass surfaces and wiped dry with solvent. Glazing surfaces shall be dry and free of frost.

3.2 INSTALLATION

Glass and glazing work shall be performed in accordance with approved shop drawings, GANA Glazing Manual, glass manufacturer's instructions and warranty requirements. Glass shall be installed with factory labels intact and removed only when instructed. Wired glass and fire/safety rated glass shall be installed in accordance with NFPA 80. Edges and corners shall not

be ground, nipped or cut after leaving factory. Springing, forcing or twisting of units during installation will not be permitted.

3.3 CLEANING

Upon completion of project, outside surfaces of glass shall be washed clean and the inside surfaces of glass shall be washed and polished in accordance with glass manufacturer's recommendations.

3.4 PROTECTION

Glass work shall be protected immediately after installation. Glazed openings shall be identified with suitable warning tapes, cloth or paper flags, attached with non-staining adhesives. Reflective glass shall be protected with a protective material to eliminate any contamination of the reflective coating. Protective material shall be placed far enough away from the coated glass to allow air to circulate to reduce heat buildup and moisture accumulation on the glass. Glass units which are broken, chipped, cracked, abraded, or otherwise damaged during construction activities shall be removed and replaced with new units.

-- End of Section --

FY03 Darnall Hospital Addition/Alteration
Fort Hood, Texas

SECTION 12335 - CASEWORK FOR MEDICAL FACILITIES
(AMENDMENT NO. 0002)

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.

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 contaminates 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.

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

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 plains. 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.

JSN DESCRIPTION

C0023 Wardrobe, with a fixed shelf and a solid louvered door, 84 inch H x 15 inch W x 18 inch D

Similar to Hamilton Industries Model 901S192, or approved equal.

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.

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 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 the working surface and 4 inch high splash back 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 12 feet or less in

length shall be in one piece. Colors of plastic laminate **(AM #0002) are indicated on the drawings.**

Similar to S & S X-ray Model 68H or approved equal.

X1020 **Deleted [AM #0002]**

X1040 **Deleted [AM #0002]**

X1050 **Deleted [AM #0002]**

X1060 **Deleted [AM #0002]**

X1070 **Deleted [AM #0002]**

X1080 **Deleted [AM #0002]**

X1100 **Deleted [AM #0002]**

END OF SECTION