

FY 2000 MILITARY CONSTRUCTION, DEFENSE-WIDE
(\$ in Thousands)

<u>State/Agency/Installation/Project</u>	<u>Authorization Request</u>	<u>Approp. Request</u>	<u>New/ Current Mission</u>
Maryland			
Fort Meade			
Perimeter Fence (East)	903	903	C
Reconfigure Ops Chilled Water	2,043	2,043	C
Total Inside United States	2,946	2,946	
United Kingdom			
Menwith Hill Station			
Medical Center Expansion	500	500	C
Total Outside United States	500	500	
TOTAL	3,446	3,446	

1. COMPONENT NSA/CSS Defense	FY 2000 MILITARY CONSTRUCTION PROGRAM							2. DATE		
3. INSTALLATION AND LOCATION Fort George G. Meade			4. COMMAND NSA/CSS				5. AREA CONSTRUCTION COST INDEX 0.88			
6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	
A. AS OF:										
B. END FY 19				CLASS	IFIED					

7. INVENTORY DATA (\$000)

A. TOTAL AREA. 628.6
B. INVENTORY TOTAL AS OF ... 30 Sept 95 1,575,900
C. AUTHORIZATION NOT YET IN INVENTORY120,617
D. AUTHORIZATION REQUESTED IN THIS PROGRAM3,446
E. AUTORIZATION INCLUDED IN FOLLOWING PROGRAM6,463
F. PLANNED IN NEXT THREE YEARS13,073
G. REMAINING DEFICIENCY142,974
H. GRAND TOTAL1,862,473

8. PROJECTS REQUESTED IN THIS PROGRAM:

<u>CATEGORY CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>	<u>DESIGN STATUS</u>	
				<u>START</u>	<u>COMPLETE</u>
872	Perimeter Fence (East)		903	Oct 98	Aug 99
827	Reconfigure OPS1 Chilled Water		2043	Oct 98	Aug 99
510	Medical Center Expansion		500	Dec 98	Aug 99

9. FUTURE PROJECTS:

a. Included in the following program (FY01):		
Critical Utilities Control, Phase II		6,463
b. Included in the next three years (FY02, 03, 04):		
FANX Perimeter Security		1,934
Substation 2 Upgrade		6,428
OPS1 Stair Towers		2,588
Youth Activities Center		2,123

10. AGENCY OR MAJOR FUNCTION:

Agency activities are classified.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)

a. Air Pollution	- 0 -
b. Water Pollution	- 0 -
c. Occupational Safety and Health	- 0 -

Point of Contact: Col. Greg Evenstad, (301) 688-6550

1. Component NSA/CSS Defense	FY 2000 MILITARY CONSTRUCTION PROJECT DATA			2. DATE February 1999	
3. INSTALLATION AND LOCATION Fort George G. Meade, MD			4. PROJECT TITLE Perimeter Fence (East)		
5 PROGRAM ELEMENT 0301011G	6. CATEGORY CODE 872	7. PROJECT NUMBER 7471	8. PROJECT COST (\$000) Auth.: 903 Approp.: 903		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
Primary Facility		LS			810
Vehicle Control Points		LS			(460)
Fencing		LF	10,000	15.00	(150)
Security Technologies		LS			(200)
Subtotal					810
Contingency (5%)					41
Total Contract Cost					851
SIOH (6%)					52
Total Request					903
<p>10. DESCRIPTION OF PROPOSED CONSTRUCTION</p> <p>Project will construct a perimeter security system to restrict unauthorized personnel access to NSA East Campus. The major features of the proposed construction will include fencing, vehicle control points, and electronic security monitoring technologies.</p> <p>11. <u>REQUIREMENT</u>: 10,000 LF; Adequate: -0- ; Substandard: -0-</p> <p>This project provides a perimeter security system to limit unauthorized personnel access to 600 feet at NSA East Campus buildings, consistent with the established perimeter security concept.</p> <p><u>REQUIREMENT</u>: This project is needed for enhancing physical security protection for personnel and facilities by providing a public stand-off.</p> <p><u>CURRENT SITUATION</u>: Unauthorized personnel can walk within 50 feet of many Agency buildings.</p> <p><u>IMPACT IF NOT PROVIDED</u>: Failure to approve this project will leave NSA facilities and personnel vulnerable to sabotage or terrorist attack.</p> <p><u>RELATED PROJECTS</u>: FY99 Perimeter Fence (West)</p>					

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SUPPLEMENT DATA

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started	<u>Oct 98</u>
b. Percent Completed as of January 1, 1999	<u>35%</u>
c. Percent Completed as of October 1, 1999	<u>100%</u>
d. Date Design Completed	<u>Aug 99</u>

2. BASIS

a. Standard or Definite Design	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
b. Where Design Was Most Recently Used	<u>N/A</u>

3. COST (\$000) = c = a + b = d + e 142

a. Production of Plans and Specifications	<u>81</u>
b. All Other Design Costs	<u>61</u>
c. Total	<u>142</u>
d. Contract	<u>142</u>
e. In-house	<u>0</u>

4. CONSTRUCTION START

Feb 00

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1. Component NSA/CSS Defense	FY 2000 MILITARY CONSTRUCTION PROJECT DATA			2. DATE February 1999	
3. INSTALLATION AND LOCATION Fort George G. Meade, MD		4. PROJECT TITLE Reconfigure OPS1 Chilled Water			
5 PROGRAM ELEMENT 0301011G	6. CATEGORY CODE 827	7. PROJECT NUMBER 7472	8. PROJECT COST (\$000) Auth: 2,043 Approp: 2,043		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
Primary Facility		LS			1835
Subtotal		LS			1835
Contingency (5%)					92
Total Contract Cost					1927
SIOH (6%)					116
Total Request					2,043
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>This project is identified in the S6 Facilities Reliability Plan for Critical Mission Systems as essential to provide an up-to-date, fully functional , flexible, automated and redundant chilled water distribution system. This project is consistent with our Chilled Water Architecture Plan that outlines our current, near term and long-range plans for our chilled water system. This initiative is required to increase the reliability/availability of the chilled water system that supports critical mission operational equipment in the OPS1 building. This project will increase chilled water reliability by providing alternate paths, redundant water sources and the necessary automation to quickly and remotely control the chilled water system that support mission critical operational systems in the OPS1 building by establishing a building level, common distribution system for the chilled water in the “ Big Four” (OPS1, OPS2A, OPS2B, and HQS) (U).</p>					
11. REQUIREMENT:					
<p>This project will provide piping , valves, chillers, pumps and associated components required to effectively direct chilled water to mission critical operational equipment in the OPS1 building. The automated controls will be connected to the Facilities Control Center (FCC) which will serve as the central control point for the chilled water distribution system. This initiative will have all of the necessary components and connectivity required to be operative from the FCC. (U)</p>					
<p>CURRENT SITUATION: The OPS1 Chilled Water System has been modified and extended to the point that it far exceeds its designed capabilities. The System is very complicated, antiquated, non-flexible, manually operated, and incapable of systematic future expansion. The system is key to operations for critical mission systems.</p>					
<p>Impact If Not Provided: There exist several single points of failure in the existing chilled water system which could severely limit the ability to produce and deliver chilled water to mission critical operational equipment. (U)</p>					
<p>Related Projects/Systems: N/A. (U)</p>					
SUPPLEMENT DATA					

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A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started	<u>Oct 98</u>
b. Percent Completed as of January 1, 1999	<u>35%</u>
c. Percent Completed as of October 1, 1999	<u>100%</u>
d. Date Design Completed	<u>Aug 99</u>

2. BASIS

a. Standard or Definite Design	Yes ___ No <u>X</u>
b. Where Design Was Most Recently Used	<u>N/A</u>

3. COST (\$000) = c + a + b = d + e	<u>185</u>
a. Production of Plans and Specifications	<u>123</u>
b. All Other Design Costs	<u>62</u>
c. Total	<u>185</u>
d. Contract	<u>185</u>
e. In-house	<u>0</u>

4. CONSTRUCTION START

Feb 00

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>
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N/A

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1. Component NSA/CSS Defense	FY 2000 MILITARY CONSTRUCTION PROJECT DATA			2. DATE February 1999	
3. INSTALLATION AND LOCATION RAF Menwith Hill Station, Harrogate UK			4. PROJECT TITLE Medical Center Expansion		
5 PROGRAM ELEMENT 0301011G	6. CATEGORY CODE 510	7. PROJECT NUMBER 7473	8. PROJECT COST (\$000) Auth.: 500 Approp.: 500		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
Primary Faciltiy		SF	3641	123.60	450
Subtotal					450
Contingency (5%)					22
Total Contract Cost					472
SIOH (6%)					28
Total Request					500
<p>10. DESCRIPTION OF PROPOSED CONSTRUCTION</p> <p>This project will provide an additional 3,641 SF expansion to the existing medical center facility.</p> <p><u>REQUIREMENT:</u></p> <p>Expand the Medical Center to properly care for the MHS population. Additional examining rooms, dental facilities, waiting room space, physician offices, employee assistance services and occupational safety offices are to be provided.</p> <p><u>CURRENT SITUATION:</u></p> <p>Building 26 houses the Medical Center, Employee Assistance Service (EAS), Retired Affairs Office (RAO), Red Cross, Community Relations Advisor and the Community Support Center (CSC). The facility is too small to accommodate the expanding military medical mission and with an anticipated growth of Base personnel (especially military personnel), additional space is critical in order to meet their needs.</p>					
4. (FOUO) RATIONALE FOR CHANGE					

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Military medical and mental health needs and the general expansion of the population require additional space. The Army opened Building 26 in 1964 to serve as an Occupational Health facility. The military community which originally comprised 30 members has significantly increased to 452 active duty with an authorized number of 478. When family members are included, this number rises to 1078, the 93rd Medical Battalion's assessment of all personnel on Base who qualify for military medical/dental benefits is around 3000. This is a 1000% increase. These numbers hint at the increased strain on a building built in the 1960s, to provide Occupational Health, that is being tasked to act as a true military Medical Center.

A. DESIGN DATA (Estimated)

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1. STATUS

a. Date Design Started	<u>Oct 98</u>
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2. BASIS

a. Standard or Definite Design	Yes ___ No <u>X</u>
b. Where Design Was Most Recently Used	<u>N/A</u>

3. COST (\$000) = c = a + b = d + e 75

a. Production of Plans and Specifications	<u>30</u>
b. All Other Design Costs	<u>45</u>
c. Total	<u>75</u>
d. Contract	<u>75</u>
e. In-house	<u>0</u>

4. CONSTRUCTION START

Feb 00

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>or Requested</u>	<u>Cost</u> <u>(\$000)</u>
N/A			

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