

1. Component NAVY	FY 2005 MILITARY CONSTRUCTION PROGRAM	2. Date 13 JAN 2004
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3. Installation and Location/UIC: M00264 MARINE CORPS COMBAT DEVELOPMENT COMMAND QUANTICO, VIRGINIA	4. Project Title ARMORY (THE BASIC SCHOOL)
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5. Program Element 0805796M	6. Category Code 14345	7. Project Number P539	8. Project Cost (\$000) 4,580
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9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost(\$000)
ARMORY (THE BASIC SCHOOL) (12,971 SF)	m2	1,205		2000
ARMORY (10,280 SF)	m2	955	1,356.05	(1300)
COVERED CLEANING AREA (2,500 SF)	m2	250	678.00	(170)
BUILT-IN EQUIPMENT	LS			(240)
TECHNICAL OPERATING MANUALS	LS			(50)
INFORMATION SYSTEMS	LS			(240)
SUPPORTING FACILITIES				1970
ELECTRICAL UTILITIES	LS			(320)
MECHANICAL UTILITIES	LS			(340)
PAVING AND SITE IMPROVEMENTS	LS			(990)
ANTI-TERRORISM/FORCE PROTECTION	LS			(320)
SUBTOTAL				3970
CONTINGENCY (5%)				200
TOTAL CONTRACT COST				4170
SIOH (6%)				250
SUBTOTAL				4420
DESIGN/BUILD - DESIGN COST				160
TOTAL REQUEST ROUNDED				4580
TOTAL REQUEST				4580

10. Description of Proposed Construction

Construct a single-story reinforced Concrete Masonry Unit (CMU) building with structural walls supported on spread footing, concrete slab on grade foundation, structural steel framing, CMU interior walls, and reinforced concrete roof with modified bituminous roofing. Buildings will provide an armory and covered cleaning area for The Basic School at MCB Quantico, VA. Built-in equipment includes compressed air system, emergency generator, weapons cleaning tanks, and a forklift charging station. Sustainable principles will be included into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and executive orders. Electrical utilities include telephone, electrical, Intrusion Detection System (IDS), energy saving Electronic Monitoring and Control System (EMCS), and fire alarm. Mechanical utilities include compressed air, heating, ventilation and air conditioning (HVAC), dehumidification system, and fire protection system. Supporting facilities include site and building utility connections (water, telephone, electrical, sanitary and storm sewers, and Local Area Network (LAN)). Paving and site improvements include exterior site and building lighting, perimeter fencing and gates, roads, sidewalks, paved parking, earthwork, fill, grading, and landscaping. Project includes demolition of existing asphalt surfaces, Technical Operating Manuals and Anti-Terrorism/Force protection features. The facility will be constructed to seismic zone three and current armory

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<p>(G) Parametric Estimate used to develop cost Yes</p> <p>(H) Energy study/Life cycle analysis performed Yes</p> <p>2. Basis:</p> <p>(A) Standard or Definitive Design: No</p> <p>(B) Where Design Was Most Recently Used: N/A</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E) : \$240</p> <p>(A) Production of Plans and Specifications \$200</p> <p>(B) All other Design Costs \$40</p> <p>(C) Total \$240</p> <p>(D) Contract \$40</p> <p>(E) In-House \$200</p> <p>4. Contract Award 012005</p> <p>5. Construction Start 042005</p> <p>6. Construction Complete 042006</p> <p>B. Equipment associated with this project which will be provided from other appropriations: NONE</p> <p>JOINT USE CERTIFICATION:</p> <p>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Marine Corps requirements.</p> <p>Activity POC: Richard Reisch Phone No: 703-784-5490</p>				