

NAVY		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MARINE CORPS AIR STATION NEW RIVER, JACKSONVILLE, N.C.			CORROSION CONTROL HANGAR		
5. PROGRAM ELEMENT		6. CATEGORY CODE	7. PROJECT NUMBER		8. PROJECT COST (\$000)
		211-03	P-433		2,350

9. COST ESTIMATES

Escalation 9% Escalation to 1 April 1989

ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>				
Hangar Building	SF	16,000	111.69	1,787
Hazardous Materials Storage	SF	15,488	71.73	(1,111)
Built-In Equipment	SF	512	56.64	(29)
OMSI	LS	1	-	517
CQM	LS	1	-	23
<b>SUPPORTING FACILITIES</b>				
Special Construction Features	LS	1	-	(107)
Electrical Utilities	LS	1	-	326
Mechanical Utilities	LS	1	-	(179)
Sidewalks, Parking and Roads	LS	1	-	(26)
Site Improvements	LS	1	-	(28)
Demolition	LS	1	-	(34)
	LS	1	-	(54)
	LS	1	-	(5)
SUBTOTAL				2,113
CONTINGENCY (5%)				106
TOTAL CONSTRUCTION COST				2,219
SIQH (5.5%)				122
TOTAL REQUEST				2,341
TOTAL REQUEST ROUNDED				2,350
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS (Non-Add)				(6)

*No comment*

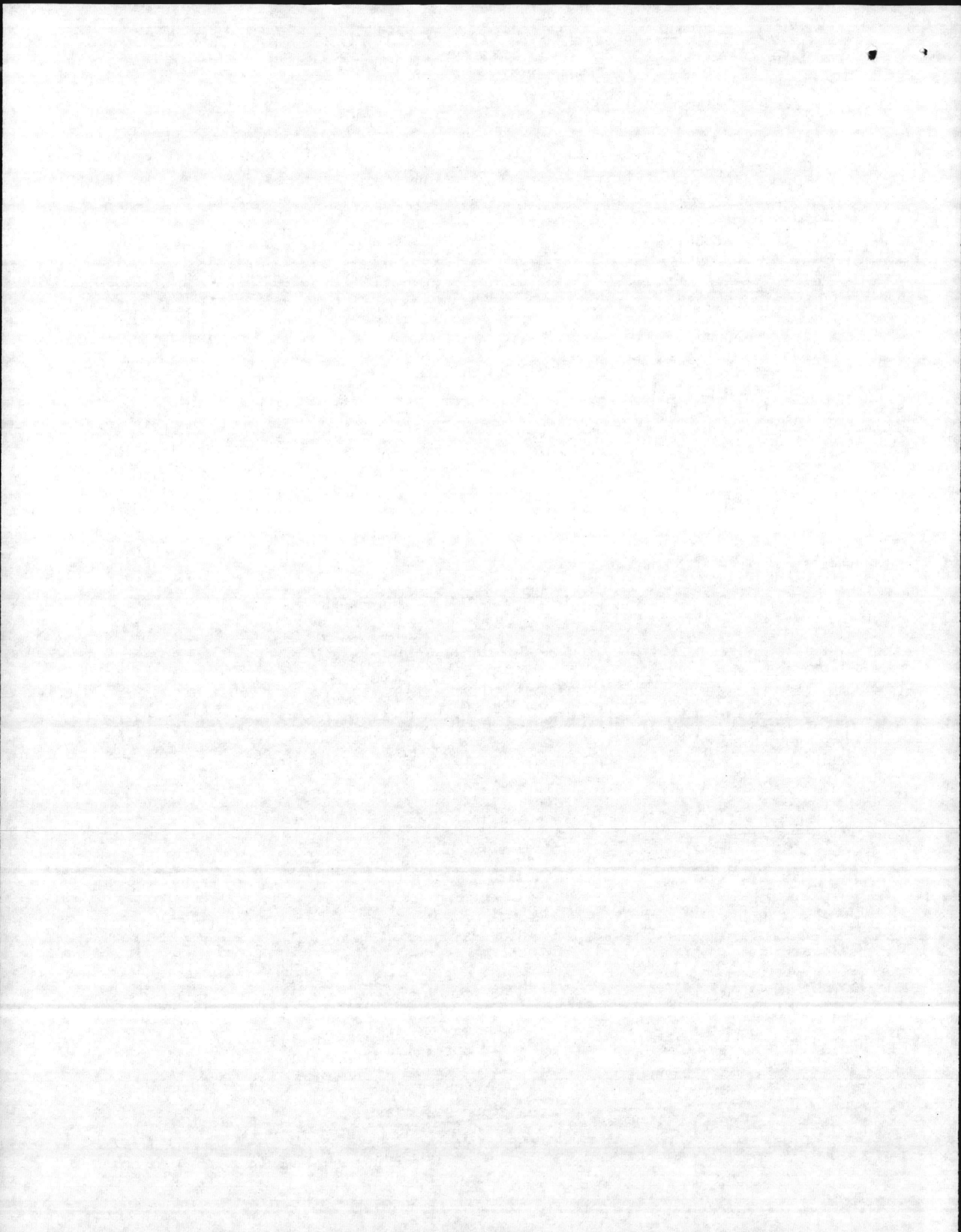
10. DESCRIPTION OF PROPOSED CONSTRUCTION

One story preengineered steel frame high bay, load bearing walls low bay, slab on grade with foundations supported on precast concrete piles, with integral ground system, insulated masonry and steel walls, insulated standing seam roof, steam heat, air conditioning, utilities, fire protection, and paved parking area. Facility to maintain 200 plus Fleet Marine Force aircraft attached to the two Marine Aircraft Groups. Facility will enable washing, rinsing, paint stripping, corrosion removal, protective coat, and spot painting aircraft. An x-ray booth and a paint spray booth will also be provided. Also provide oil water separator and solvent recycling stills to treat waste water from washing operations. (Air Conditioning 34 tons)

11. REQUIREMENT: 16,000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT: Construct a Corrosion Control Hangar.

REQUIREMENT: A covered facility with controlled environment for intermediate maintenance activities in support of 200 plus Fleet Marine Force (FMF) aircraft (i.e. AH-1, UH-1, CH-46, CH-53 D&E helicopters, OV-10 fixed wing aircraft, and V-22 OSPREY tilt-rotor aircraft) attached to the two Marine Aircraft Groups. The buildings must provide space for washing, rinsing, paint stripping, corrosion removal, protective coat, spot painting, an x-ray booth, and a paint spray booth. Corrosion control type activities vary as to the requirement of the individual aircraft and accessibility to the Corrosion Control Facility. Aircraft are inspected on 14, 28, or 56 day cycles depending on the type of aircraft as required by CANAL INST 47-50.2L. These inspections are usually performed at the flightline/hangar area and given a time frame in which to correct any discrepancies. The amount of



1. COMPONENT Navy	FY 19 <u>89</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE 3 NOV 1986
3. INSTALLATION AND LOCATION Marine Corps Air Station, New River, Jacksonville, N.C.		
4. PROJECT TITLE Corrosion Control Hangar		5. PROJECT NUMBER P-433

11. CONTINUED  
time/work required varies from one aircraft to another (i.e. aircraft operating over or near saltwater/high humidity areas, inland in low humidity areas or aircraft just returning from a shipboard cruise, where the opportunity to accomplish routine corrosion control practices are minimal). Accessibility to the Corrosion Control Facility by large number of aircraft and the active flight schedules of the various squadrons require precise advanced scheduling. This project is required to implement corrosion control programs mandated in NAVAIR Technical Guidance 01-1A-509.

CURRENT SITUATION. The corrosion control program for the 200 plus aircraft is being conducted in various locations. In accordance with NAVAIR Technical Manual 01-1A-509, aircraft are required to be washed every two weeks. Corrosion control treatment is applied in conjunction with the washing. However, existing washracks were constructed in the sixties and have been unreliable since their inception. Additionally, the washracks are located so as to make it difficult to be used by skid type aircraft (i.e. the UH-1 and the AH-1 Bell helicopter). Painting is being accomplished outside due to the use of polyurethane paints containing isocyanates. This operation is limited by the weather and temperature. X-ray of large items must be accomplished outside of the hangar. This procedure entails securing the area and posting guards, thereby causing disruptions to other maintenance functions.

IMPACT IF NOT PROVIDED. New River cannot presently support the Corrosion Control Program and will not be able to do so in the future as the required facilities are essentially non-existent. The safety and welfare of FMF personnel operating the aircraft continue to be in jeopardy due to the inadequate program. Valuable aircraft will deteriorate at accelerated rates due to inefficient programs.











Title: HAZARDOUS MATERIALS STORAGE BUILDING

Costs Escalated to: 1 APRIL 1989

Location: MCAS, NEW RIVER, JACKSONVILLE, NC

Escalation: 9%

Prepared by: THE CADRE CORPORATION Date: <sup>3 Nov 86</sup> ~~15 OCT 86~~

Contingency: 5%

Building	\$/SF	\$/SYS	SYS QUAN	TOTAL	BUILDING	BUILT-IN EQUIPME
01 Foundation System	\$ 5.86	\$ 5.86	512 SF	\$ 3,000	\$ 3,000	
02 Slab on Grade	3.91	3.91	512 SF	2,000	2,000	
06 Roof System	9.77	9.77	512 SF	5,000	5,000	
07 Exterior Wall System	25.39	13.54	960 SF	13,000	13,000	
08 Interior Wall System	1.95	6.25	160 SF	1,000	1,000	
17 Heating & Ventilating	3.91	2.50	800 SF	2,000	2,000	
31 Power System	1.95	416.67	2.4 KW	1,000	1,000	
32 Lighting System	3.91	3.91	512 SF	2,000	2,000	
Subtotal Building	\$56.64		512 SF	\$29,000*	\$29,000*	
Supporting Facilities						
Subtotal Supporting Facilities						

Total Contract Cost w/o Contingency: \$29,000  
 Contingency 5 % \$ 1,450  
 Total Contract Cost \$30,450  
 SIOH 5.5 % \$ 1,675  
 Total Budget Cost \$32,125  
 Rounded \$30,000

\* asterisk indicates these totals on 1391s.

