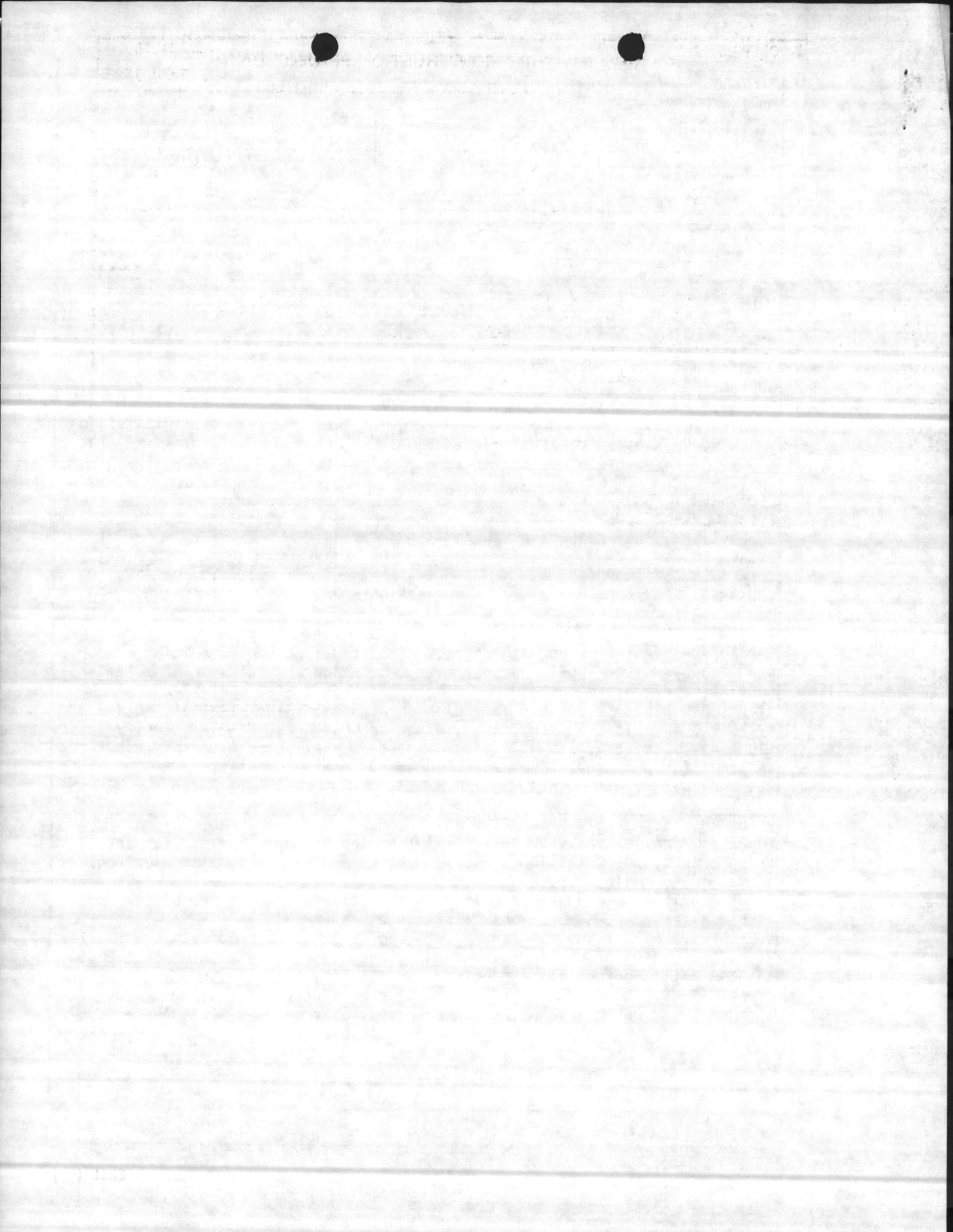


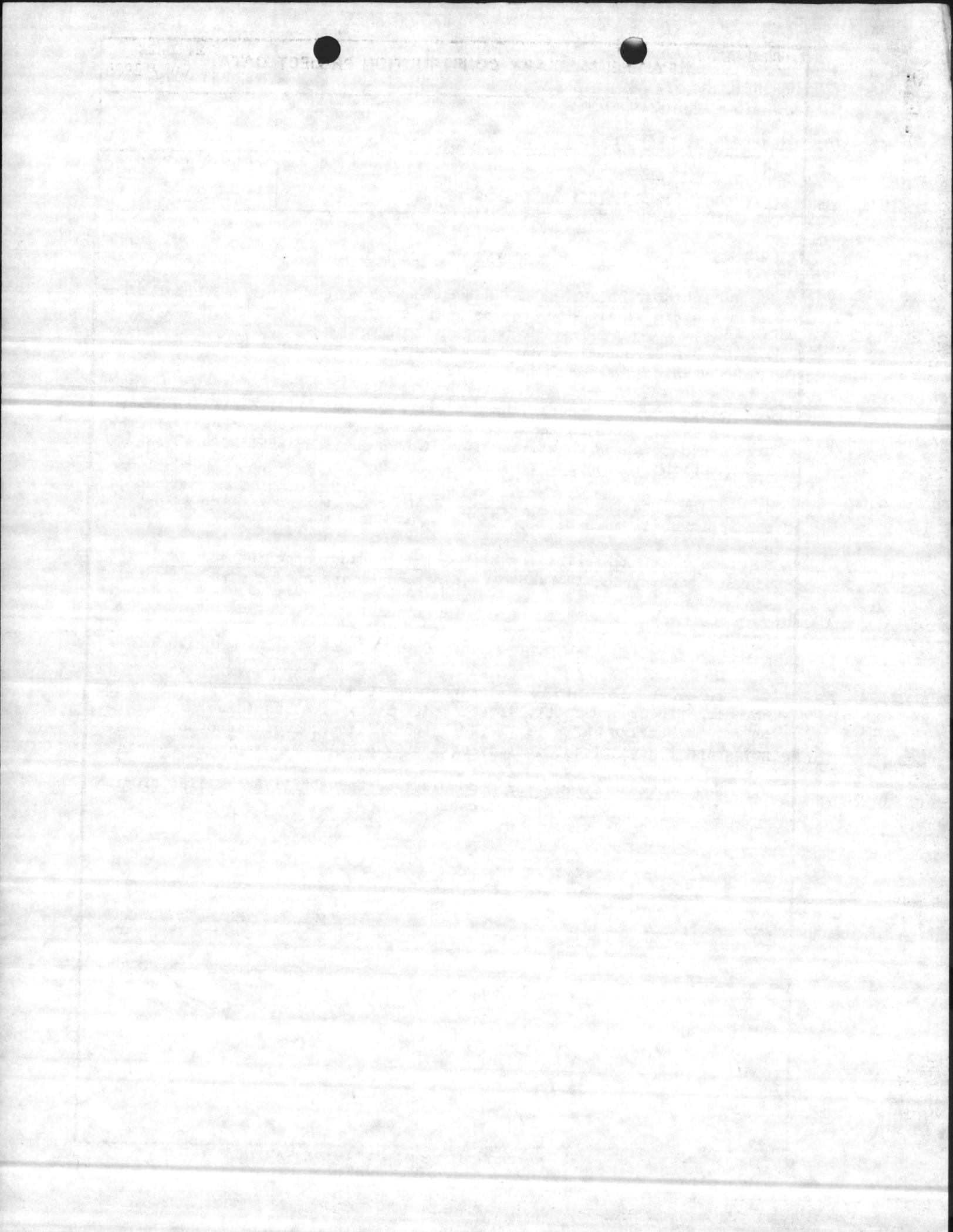
1. COMPONENT MARINE CORPS		FY 19 ⁸⁹ MILITARY CONSTRUCTION PROJECT DATA			2. DATE 1 July 1985	
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA 28542				4. PROJECT TITLE ELEC/COMM FIELD MAINTENANCE SHOP		
5. PROGRAM ELEMENT		6. CATEGORY CODE 217-30	7. PROJECT NUMBER P-679		8. PROJECT COST (\$000) 2,600	
ESCALATED TO APRIL 1989				9. COST ESTIMATES		
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP		SF	19,912	101.04	2012	
Building		SF	19,912	81.01	(1614)	
Built-in Equipment		LS	-		(343)	
Solar Hot water System		LS	-		(55)	
SUPPORTING FACILITIES					311	
Special Construction Features		LS	-		(41)	
Utilities		LS	-		(110)	
Roads, Parking, Sidewalks		LS	-		(134)	
Site Improvements		LS	-		(26)	
SUBTOTAL					2323	
CONTINGENCY (5%)					116	
TOTAL CONTRACT COST					2439	
SUPERVISION, INSPECTION & OVERHEAD (5.5%)					134	
TOTAL REQUEST					2573	
TOTAL REQUEST (ROUNDED)					2600	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON ADD)	(0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
<p>Permanent one-story shop with piles, reinforced concrete foundation, floors, and masonry walls. Built-up roof over insulation and interior support systems, i.e., air conditioning, steam, compressed air, sprinkler fire alarm, plumbing, telephones and telephone equipment installation, 60/400 cycle electrical; grounding, etc., exterior pavements, fencing, area lighting, site work, and utilities connected. Fallout shelter excluded - shelters for personnel have been programmed in other projects. (11 tons air conditioning)</p> <p>REQUIREMENTS: 26,312 SF. *ADEQUATE: 13,662 SF SUBSTANDARD: 0 SF PROJECT: Provide an adequate facility for the 2d Force Service Support Group Maintenance Battalion to perform third and fourth echelon electronic/communication maintenance. REQUIREMENT: A maintenance facility to effectively execute the prescribed Electronics and Communications Maintenance Program. CURRENT SITUATION: The maintenance program is being carried out in a facility with inadequate utilities, security, and building configuration. Location of existing facility is contrary to Facility Master Plan. IMPACT IF NOT PROVIDED: The deadline time on electronic equipment for personnel and vehicles will remain adversely affected and maintenance capability and combat readiness will continue to be impaired.</p> <p>*Bldg FC-100 will be utilized until completion of P-679 and convert back to Category Code 214-51.</p>						



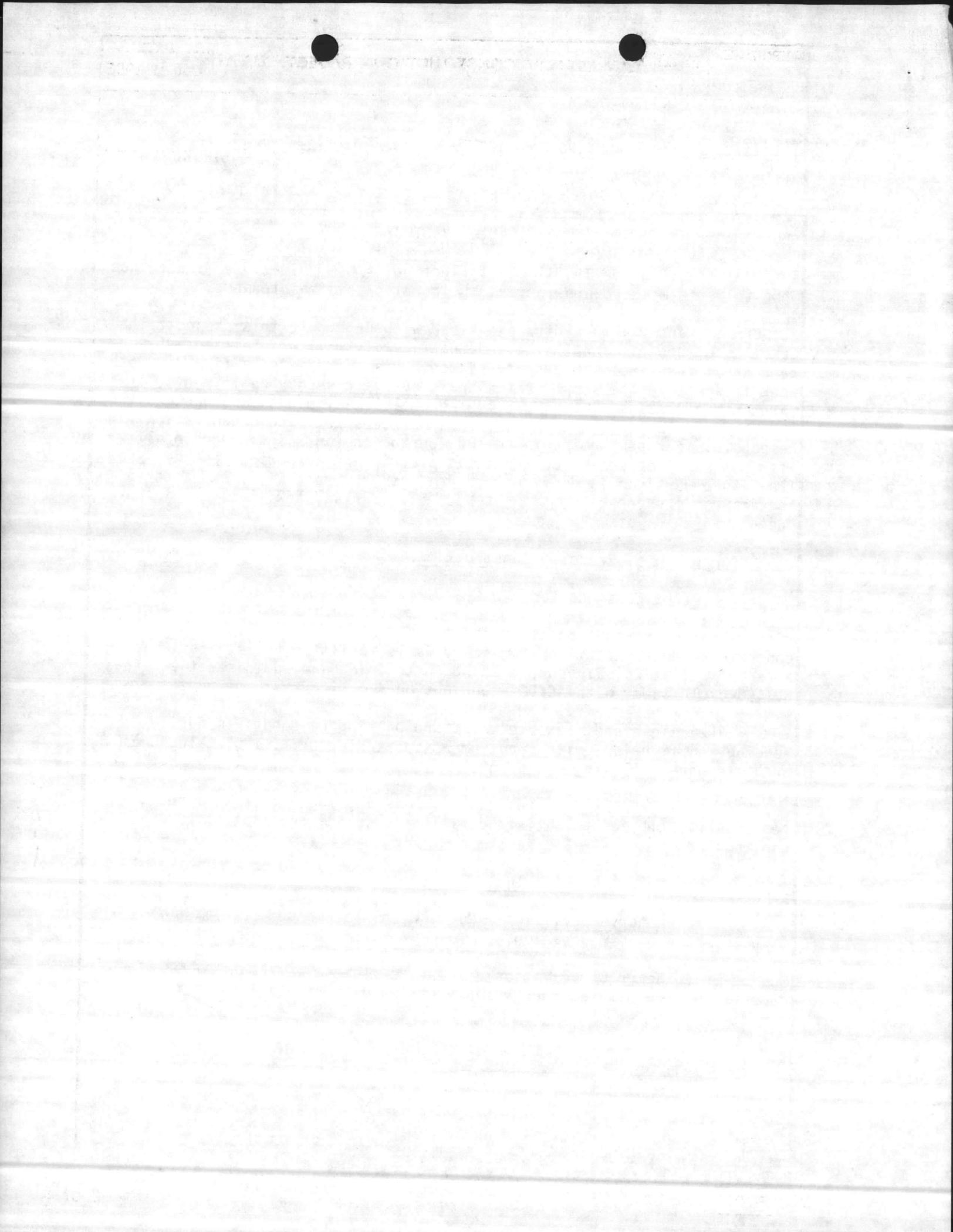
1. COMPONENT		2. DATE	
MARINE CORPS		1 July 1985	
3. INSTALLATION AND LOCATION			
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542			
4. PROJECT TITLE		5. PROJECT NUMBER	
ELEC/COMM FIELD MAINTENANCE SHOP.		P-679	

SPECIAL CONSIDERATIONS

1. Pollution Prevention, Abatement, and Control: This project will not cause additional air or water pollution.
2. Flood Hazard Evaluation: Requirements of Executive Order No. 11296 (Flood Hazards) are not applicable.
3. Environmental Impact: The project Environmental Impact Assessment will be made, reviewed, and where required, the design concepts will be given consideration to eliminating adverse environmental effects consistent with applicable directives.
4. Fallout Shelter Construction: Fallout shelter protection is not incorporated in this project.
5. Design for Accessibility of Physically Handicapped Personnel: Provisions for physically handicapped personnel are not required in this project.
6. Use of Air Conditioning: Ceiling "U" factors will be made to conform with DOD 4270.1-M.
7. Preservation of Historical Sites and Structures: This project does not directly or indirectly affect a district, site, building, structure, object or setting which is listed in the National Register or otherwise possesses a significant quality of American history.
8. "New Start" Criteria for Commercial or Industrial Activities Program (OMB Circular A-76): Not Applicable.



1. COMPONENT	FY 1989 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
MARINE CORPS		1 July 1985
3. INSTALLATION AND LOCATION		
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE	5. PROJECT NUMBER	
ELEC/COMM FIELD MAINTENANCE SHOP	P-679	
<u>FACILITY STUDY</u>		
1. <u>Project</u> : Provide 19,912 SF of Electronics/Communications Maintenance Shop to perform third and fourth echelon elec/comm maintenance.		
2. <u>Current and Planned Future Workload with Regard to this Project</u> : The duration of need is indefinite and the facility will be utilized 100 percent of the time. An average of ten hours per day for a five-day work-week is spent in the shop. After training exercises or deployments, the maintenance workload increases; consequently, many nights and weekends are required to perform the additional maintenance. The organization is responsible for performing third and fourth echelon maintenance on all items of electronics and communications equipment authorized by the T/E. The future workload is difficult to project; however, it is expected to increase as the present equipment becomes older and new items are introduced into the system.		
3. <u>Description of Proposed Construction</u> :		
a. <u>Type of Construction</u> :		
(1) Permanent one-story maintenance shop on pilings, reinforced concrete foundations, floors, masonry walls, built-up roofs, insulation, interior utilities, air conditioning in training and administrative areas, 60/400 cycle power with AC/DC power bus duct.		
(2) Rigid and flexible walks and parking pavements, security fencing and lighting, site improvements, exterior utilities, telephones and telephone switching equipment.		
b. <u>Replacement</u> : Not applicable. Existing facilities will be temporarily utilized to satisfy deficiencies until new facilities are constructed.		
c. <u>Description of Work to be Done</u> :		
(1) <u>Primary Facilities</u> : Modular reinforced concrete/masonry structures on pile foundation.		
(2) <u>Energy Conservation</u> : Energy efficient equipment and building orientation for maximum energy conservation will be utilized.		



1. COMPONENT

FY 1985

MILITARY CONSTRUCTION PROJECT DATA

2. DATE

1 July 1985

MARINE CORPS

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE

ELEC/COMM FIELD MAINTENANCE SHOP

5. PROJECT NUMBER

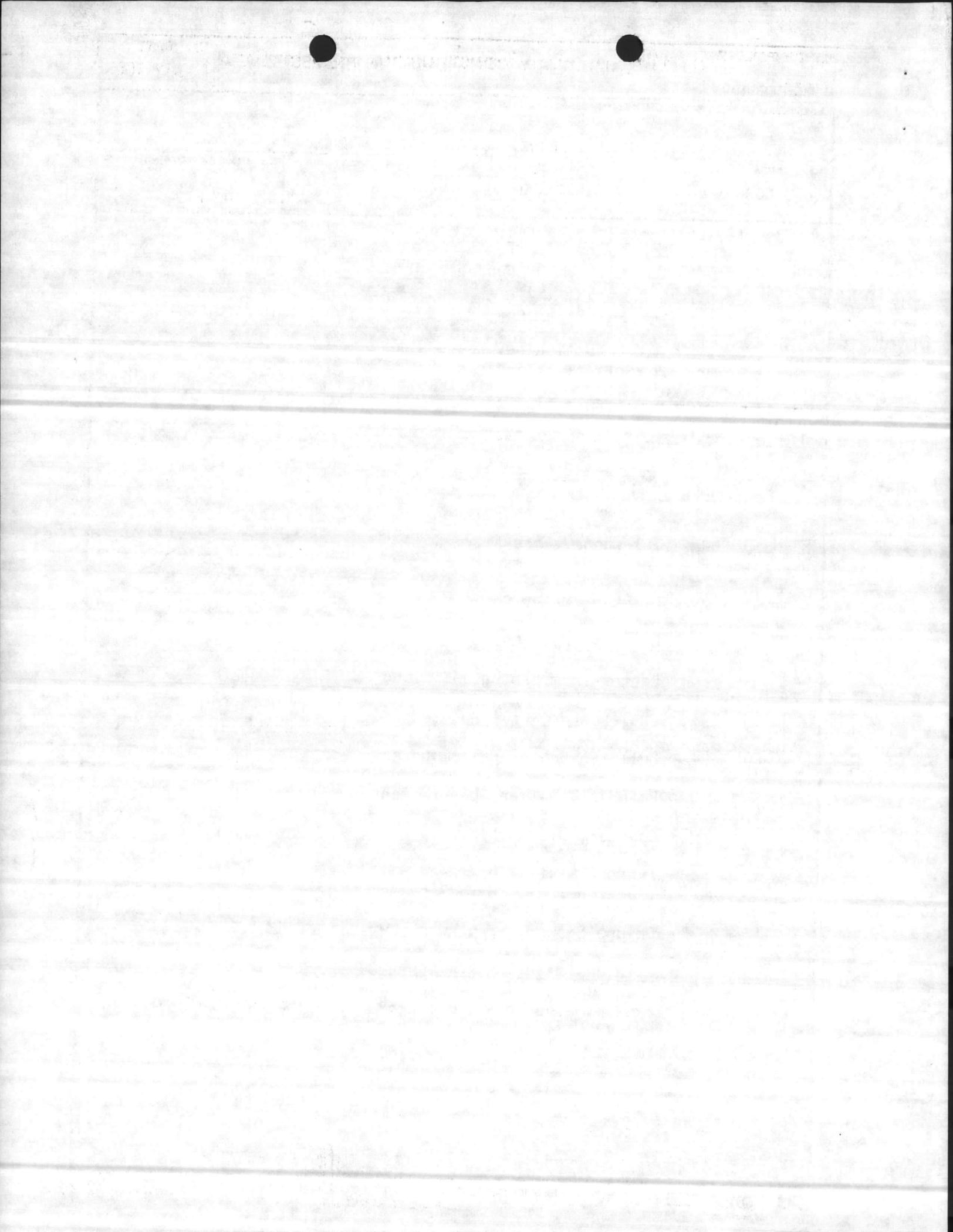
P- 679

(3) Collateral Equipment:

(a) Built-in (MCON Funded):

Description

- * Air Conditioning, Heating & Ventilating Systems
- * Plumbing System & Steam System (Interior)
- * Compressed Air System
- * Sprinkler System
- * Telephone, Fire Alarm & Intercom Systems
- * Drinking Water Coolers
- * Lockers, Wall Mounted
- * Locker-room benches, 6' long
- * Chalkboards, Wall Mounted
- * Bulletin Board, Wall Mounted
- * Blinds, Venetian, Light Tight
- * Counter, Dispatchers
- * Exhaust System, overhead fractional HP, 208V, 3 phase
- * Deluge Shower, w/eye wash CW
- * Acid Resistant Sink w/bench CW
- * Exhaust Hood (over) w/fractional HP, 120V, 1 phase fan
- * Grounding System, Electronic



1. COMPONENT
MARINE CORPS

FY 1989

MILITARY CONSTRUCTION PROJECT DATA

2. DATE
1 July 1985

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE

ELEC/COMM FIELD MAINTENANCE SHOP

5. PROJECT NUMBER

P-679

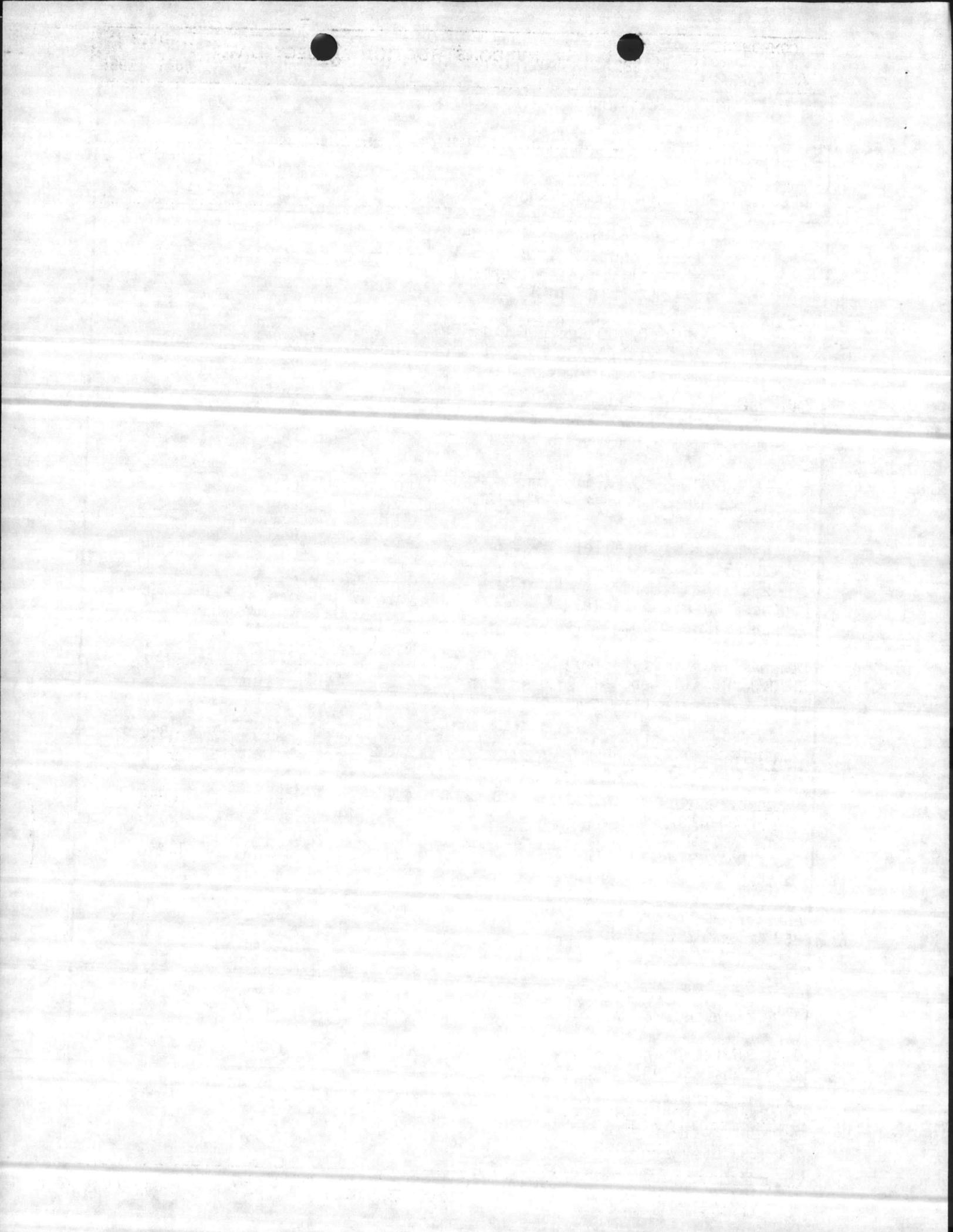
*Pass Window, 4' wide,
w/counter & "B" label
roll down shutter (w/
fusible link)

*60/400 Cycle Electrical System
with AC/DC Power Bus Bar and
transformers

*Equipment with associated installation cost.

(b) Expense Items:

<u>Description</u>	<u>Qty</u>	<u>Unit of Issue</u>	<u>Unit Price</u>	<u>Total Cost</u>
Benches, work, portable, 48"x28"x34"H	5	EA	\$225	1,125
Benches, work, portable, 72"x28"x34"H	4	EA	340	1,360
Benches, work, stationary, 28"Dx34"H, stl top, std, lead covered in btry shop	2	EA	375	750
Parts Bins, adj shelving 14"x24"D	4	EA	75	300
Grinder, bench, 7" w/ buffer wheel	1	EA	385	385
Parts Rota Bins, 3' dia. multi-bin	4	EA	360	1,440
Charger, battery, 12V, 24V, 36V selenium type; battery tester, 12V, 24V, 36V, 2.2KW, 110/220V	2	EA	550	1,100
14"W shelving w/adj stds	4	EA	120	480
12"W shelving w/adj stds, 6 shelves, 36"W & 84"H	4	EA	90	360
Desk, flat top, dbl ped, 60"x30", walnut pattern top, no overhang	1	EA	315	315



1. COMPONENT

MARINE CORPS

FY 1989

MILITARY CONSTRUCTION PROJECT DATA

2. DATE

1 July 1985

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

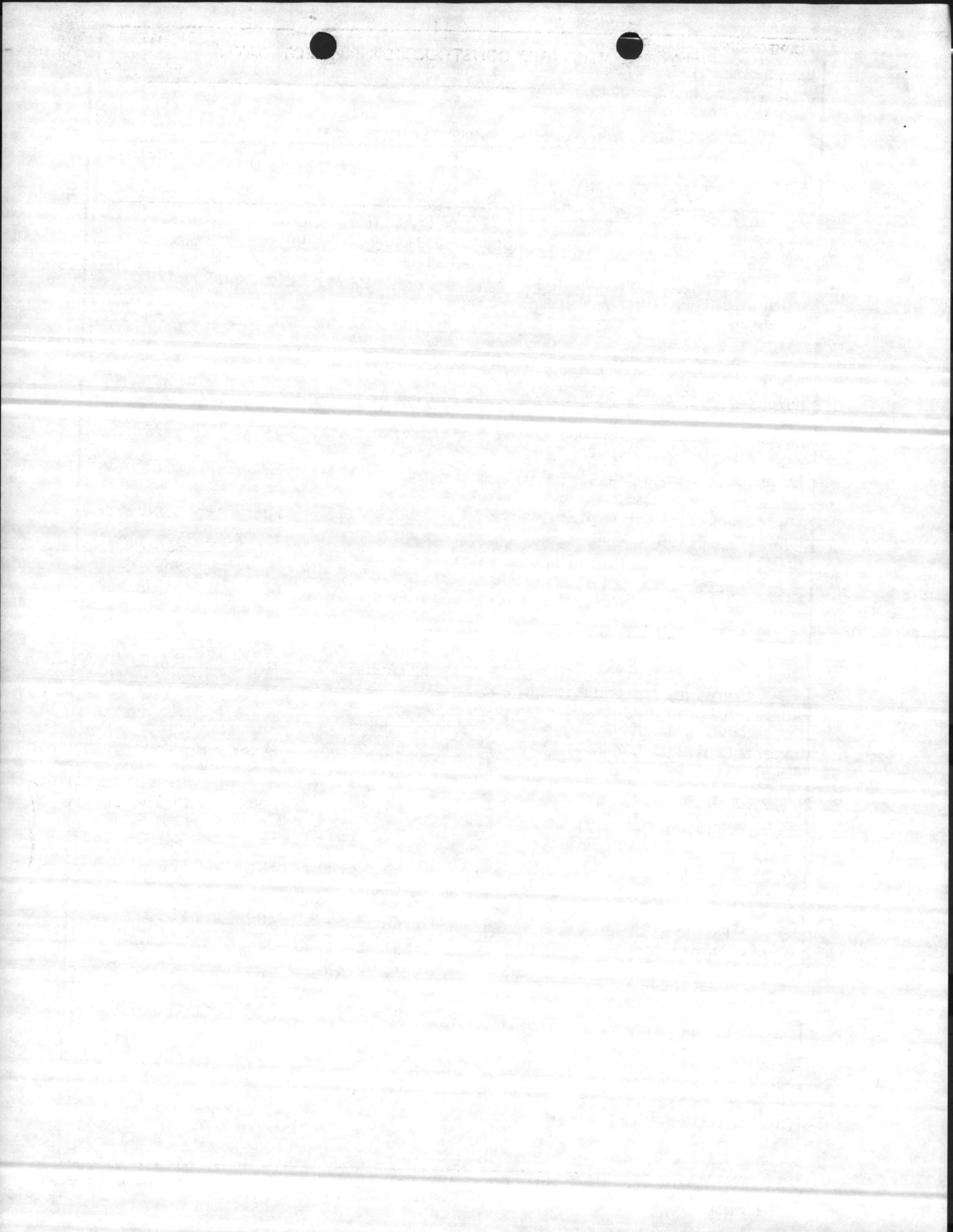
4. PROJECT TITLE

ELEC/COMM FIELD MAINTENANCE SHOP

5. PROJECT NUMBER

P-579

<u>Description</u>	<u>Qty</u>	<u>Unit of Issue</u>	<u>Unit Price</u>	<u>Total Cost</u>
Desk, flat top, 45"x30" walnut pattern top, no overhang	3	EA	240	720
Desk, flat top, w/attach for sec'l & gen. clerical purposes	2	EA	275	550
Chair, rotary, tilting seat & back, adj. seat height, w/arms, w/casters	4	EA	94	376
Chair, secretarial, rotary adj. seat height, w/arms, w/casters	2	EA	70	140
Stand, office machine 2 drop leaves, walnut pattern top, w/casters	3	EA	66	198
Typewriter, IBM electric 13½" carriage, carbon ribbon, 10 pitch Model 833	2	EA	710	1,420
Filing Cabinet, 5 drawers, legal size, w/o lock	2	EA	220	440
Cabinet, storage, dbl door, 36"x18"x80-1/16"H	4	EA	190	760
Bookcase, base, 33"x13" x10"H	6	EA	20	120
Bookcase, section, w/o doors, 31"x12"x14"H	24	EA	40	960
Bookcase, top, 33"x 13"x2½"H	6	EA	20	120
Chair, straight, w/o arms	20	EA	70	1,400
Costumer, wearing apparel, contemporary, 4 dbl hooks, round pole w/rd base	6	EA	35	210



1. COMPONENT

MARINE CORPS

FY 1989 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

1 July 1985

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

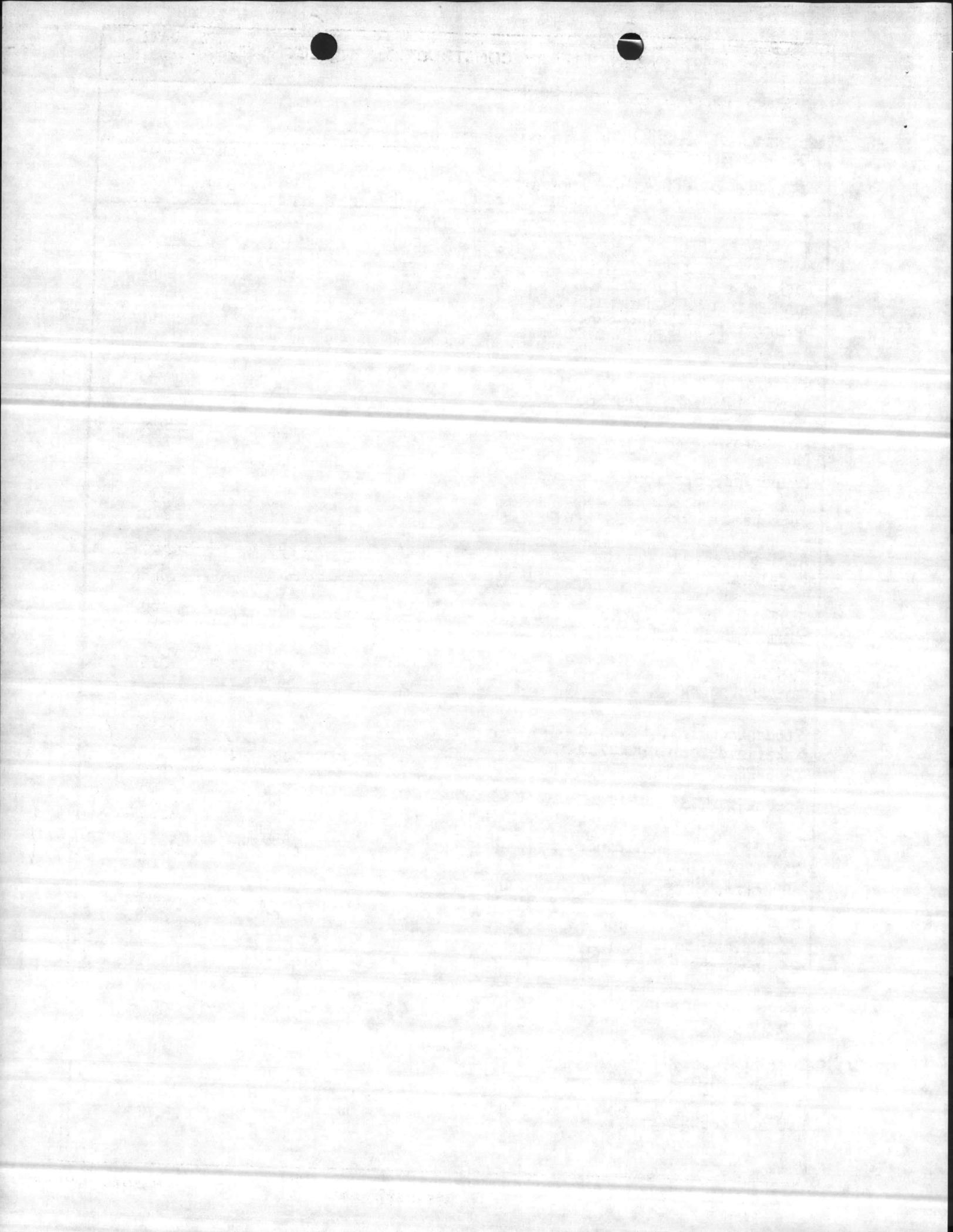
4. PROJECT TITLE

ELEC/COMM FIELD MAINTENANCE SHOP

5. PROJECT NUMBER

P-679

Description	Qty	Unit of Issue	Unit Price	Total Cost
Rack, wearing apparel contemporary, 6 metal hangers, 78"Hx30"Lx20"D at base	4	EA	85	340
Wastepaper Basket, dark brown, 14½"Hx13" dia top	12	EA	6	72
Draperies	3	PR	74	222
Draperies, blackout	3	PR	95	285
Desk Lamp	6	EA	45	270
Adding Machine, Monroe Model 1405	2	EA	290	580
Bulletin Board, cork, alum frame, 4'x6'	4	EA	65	260
Table, gen. purpose, 60"x30"x29½"H	3	EA	105	315
Student Chairs, Heywood Wakefield Model HC-7730-PABS-PP	18	EA	70	1,260
Portable Easel	2	EA	85	170
Bench, work, electronic, 120/220V, 60 cycle & 400 cyc., 28V	3	EA	1,450	4,350
Rack, security, for mechanics' tool boxes, 24 openings	1	EA	2,000	2,000
Extinguisher, fire, 15 lb., CO ₂	4	EA	85	340
Extinguisher, fire, 2½ gal. H ₂ O	4	EA	40	160
TOTAL EXPENSE ITEMS				25,653



1. COMPONENT

FY 1989 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

1 July 1985

MARINE CORPS

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE

ELEC/COMM FIELD MAINTENANCE SHOP

5. PROJECT NUMBER

P- 679

(3) COLLATERAL EQUIPMENT (continued)

TOTAL EXPENSE ITEMS: 25,653

(c) Investment Items: None.

(d) APA Equipment: None.

(e) Training Equipment:

<u>Description</u>	<u>Qty</u>	<u>Unit of Issue</u>	<u>Unit Price</u>	<u>Total Cost</u>
Movie Projector	1	EA	650	650
Movie Screen	1	EA	235	235
Overhead Projector	1	EA	375	375
TOTAL TRAINING ITEMS				\$ 1,260

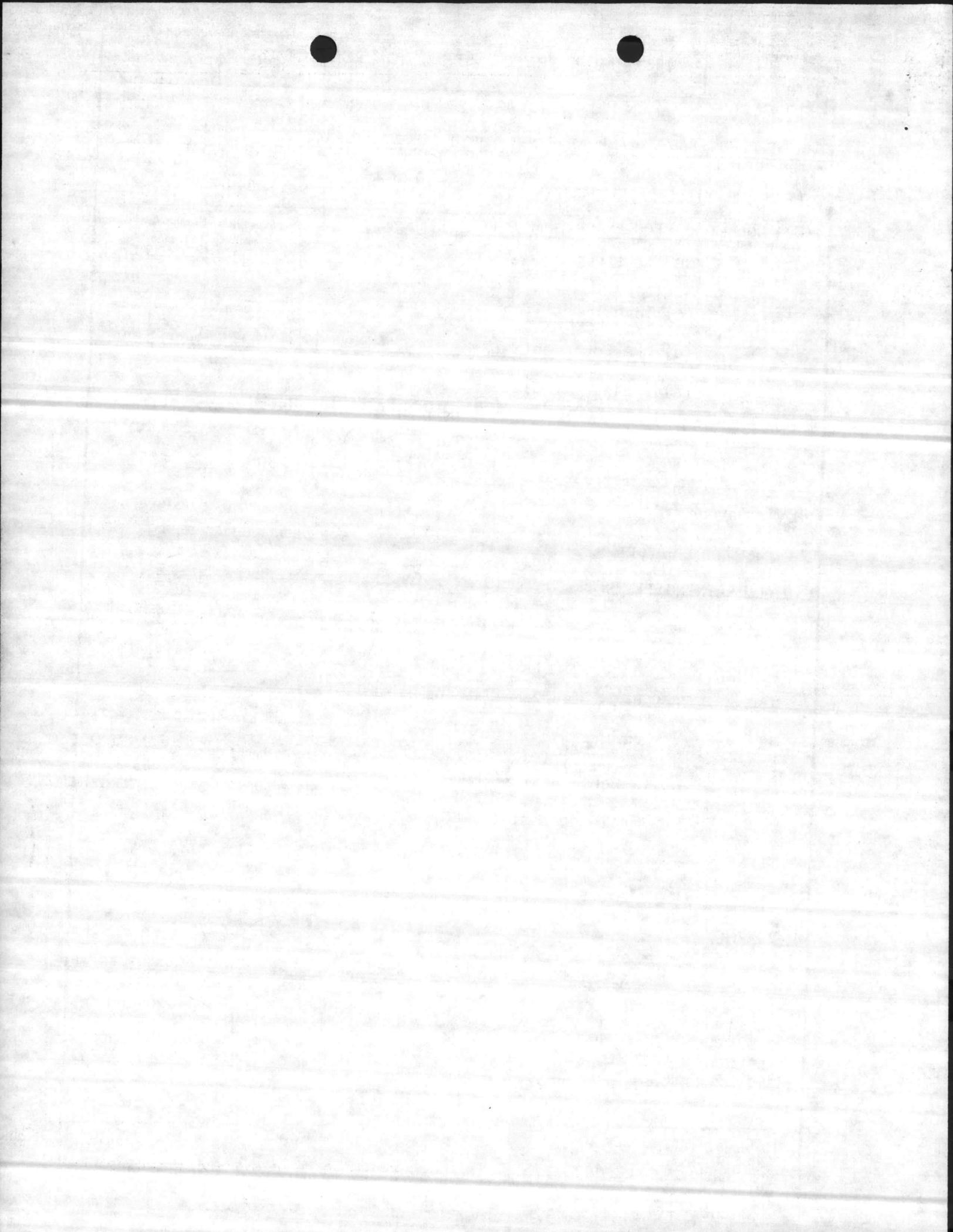
(f) Equipment on Hand: None.

(g) Summary:

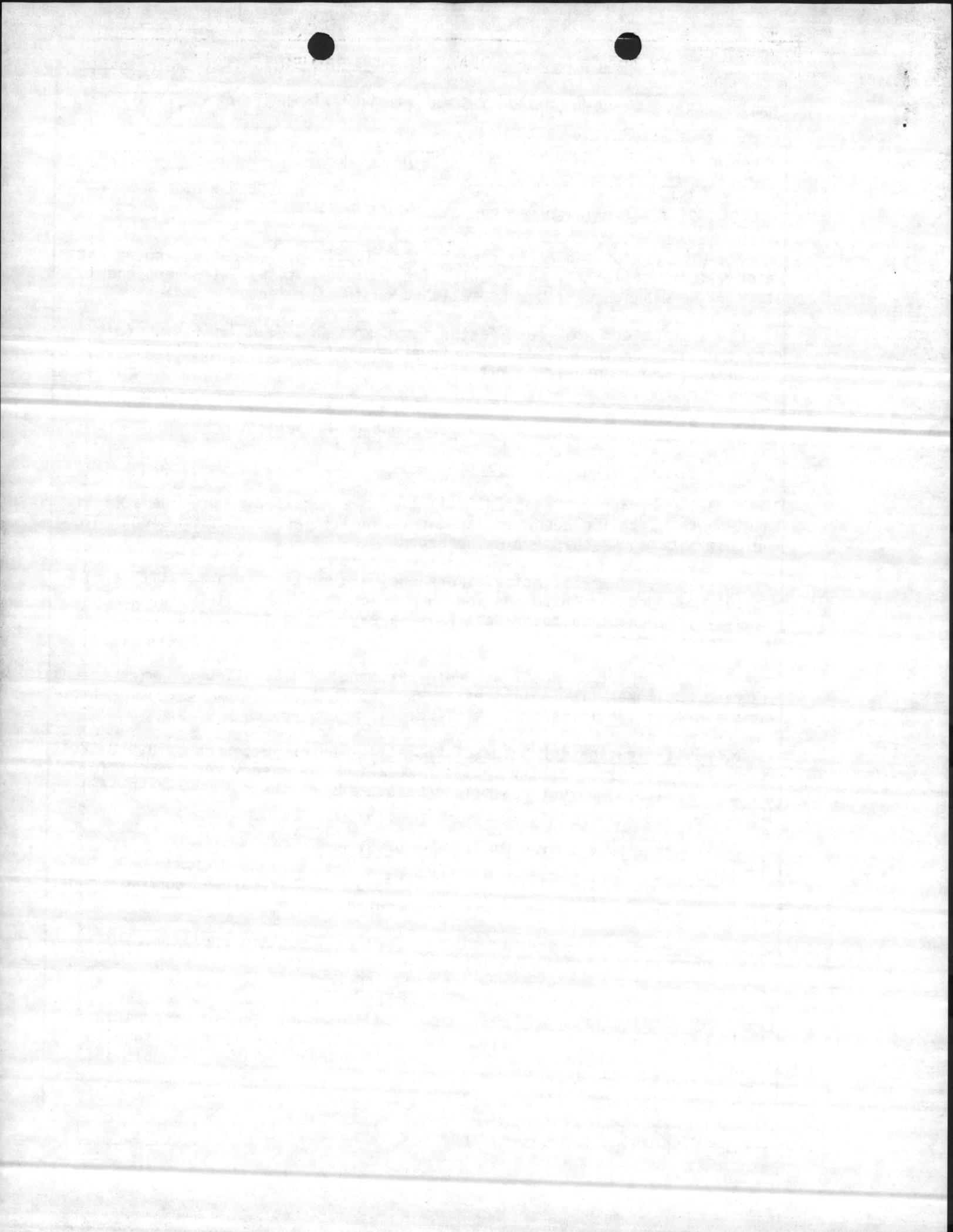
Expense Cost (O&MMC) 25,653

Training Cost (O&MMC) 1,260

TOTAL 26,913



1. COMPONENT MARINE CORPS	FY 19 89 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 July 1985
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE ELEC/COMM FIELD MAINTENANCE SHOP	5. PROJECT NUMBER P-579	
<p>(4) <u>Supporting Facilities</u>: Special piling, foundation, solar hot water system, collateral equipment, site improvement, pollution abatement, etc. No demolition will be accomplished on this project.</p> <p>4. <u>Cost Estimate</u>: Area cost factor for Camp Lejeune, NC is 0.95. Cost data derived from the Military Construction Cost Review Guide, FY-84 (DOD 4270.1-CG) to provide for this proposed facility, and escalated to FY-89.</p> <p>5. <u>Justification for Project and for Scope of Project</u>:</p> <p>a. <u>Justification for Project</u>:</p> <p>(1) <u>Project</u>: Proposed facilities are required to provide a Maintenance Battalion adequate and secure facilities to perform electronic and communications equipment maintenance.</p> <p>(2) <u>Current Situation</u>: Personnel are working in a facility that was not designed for third and fourth echelon elec/comm maintenance. This facility is located in the Hadnot Point area. Proposed facility will be in the French Creek area in keeping with the Facility Master Plan.</p> <p>(3) <u>Impact if Not Provided</u>: Personnel will continue to work in sub-standard and makeshift facilities, resulting in time consuming and inefficient operations resulting in loss of work time and wasted energy.</p> <p>b. <u>Justification for Scope of Project</u>: The project scope, 19,912 SF, is the minimum size facility that can meet the deficiency requirement for the electronic/communications maintenance needs of the Maintenance Battalion of 2d FSSG. See Item 13.</p> <p>6. <u>Equipment Provided from Other Appropriations</u>: Not applicable.</p> <p>7. <u>Common Support Facilities</u>: Not applicable. There are no common support facilities available in the French Creek area.</p> <p>8. <u>Effect on Other Resources</u>: The project will require approximately \$6,876 per year in increased O&MMC funds for increased utility services and operations. No additional personnel will be required to operate this facility. The project will enhance and improve the morale of personnel presently working in widely dispersed facilities. Proposed construction should be responsive to the challenges presented by the energy situation and comply with the requirements of Executive Order 12003 of 20 July 1977 and implemented by NAVFACINST 4100.5A.</p>		



1. COMPONENT
MARINE CORPS

FY 1989 MILITARY CONSTRUCTION PROJECT DATA

2. DATE
1 July 1985

3. INSTALLATION AND LOCATION
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE
ELEC/COMM FIELD MAINTENANCE SHOP

5. PROJECT NUMBER
P-679

Utility Requirements

- a. Electricity:

Consumption	67,830 KWHR/yr
Peak Demand	42 KW
Avg Demand	36 KW
- b. Steam:

Consumption	3,042,432 LBS/yr
Demand	1,092 LBS/hr
- c. Coal: 118 Tons/yr
- d. Adequate utility requirements are available.

9. Siting of the Project: This facility will be located in the French Creek area, in keeping with the Camp Lejeune Master Plan. See enclosure (1).

10. Other Graphic Presentations, including Photographs: None.

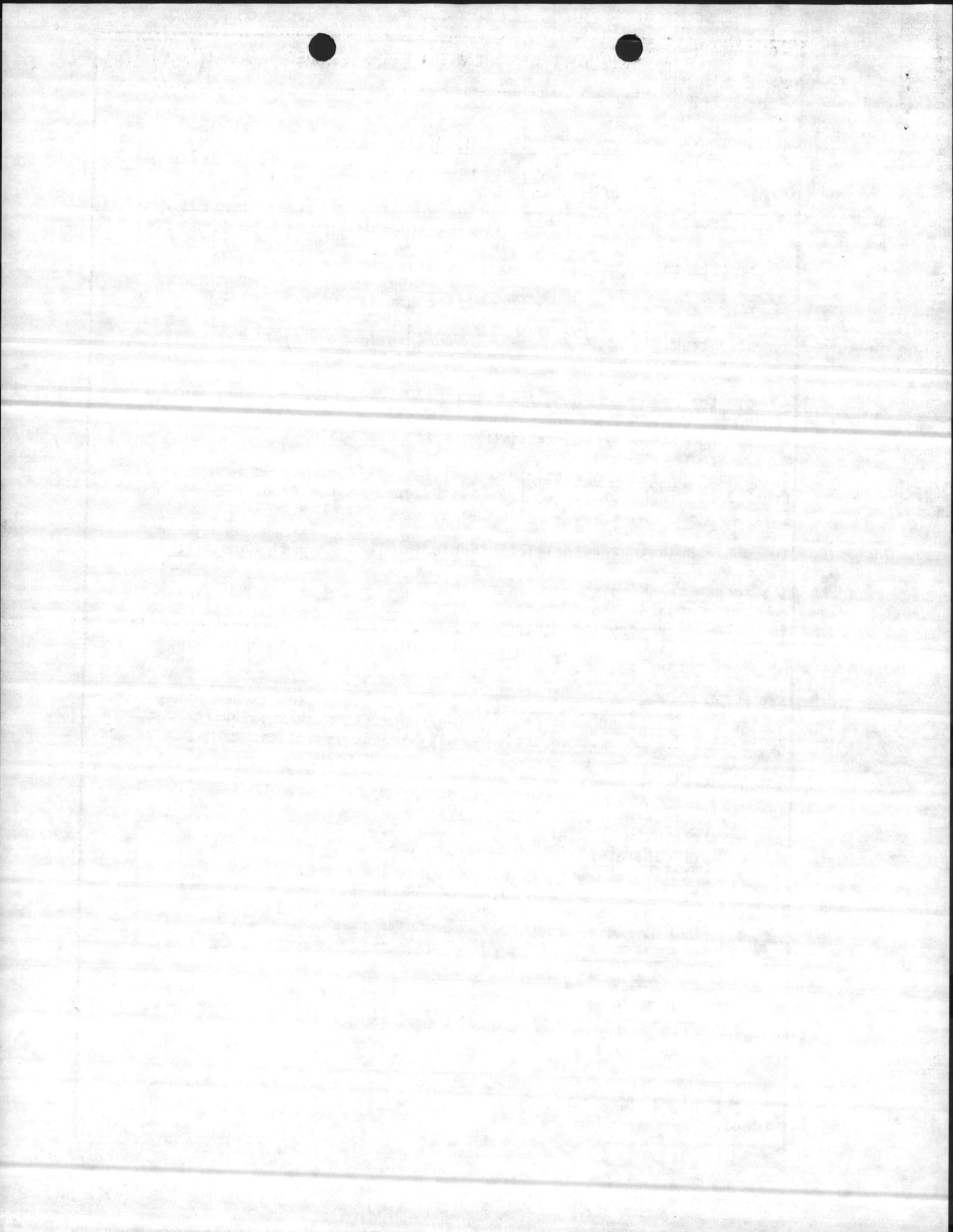
11. Economic Analysis: This facility is being constructed on an undeveloped site adjacent to a developed area. Economic savings will be in nominal energy consumption savings to be realized from efficient operations. This is a military operational project in support of an operational mission located in this area.

12. Environmental Impact Assessment: An Environmental Impact Assessment of the area has been made and will be routed through the Environmental Review Board. No adverse environmental impact is anticipated.

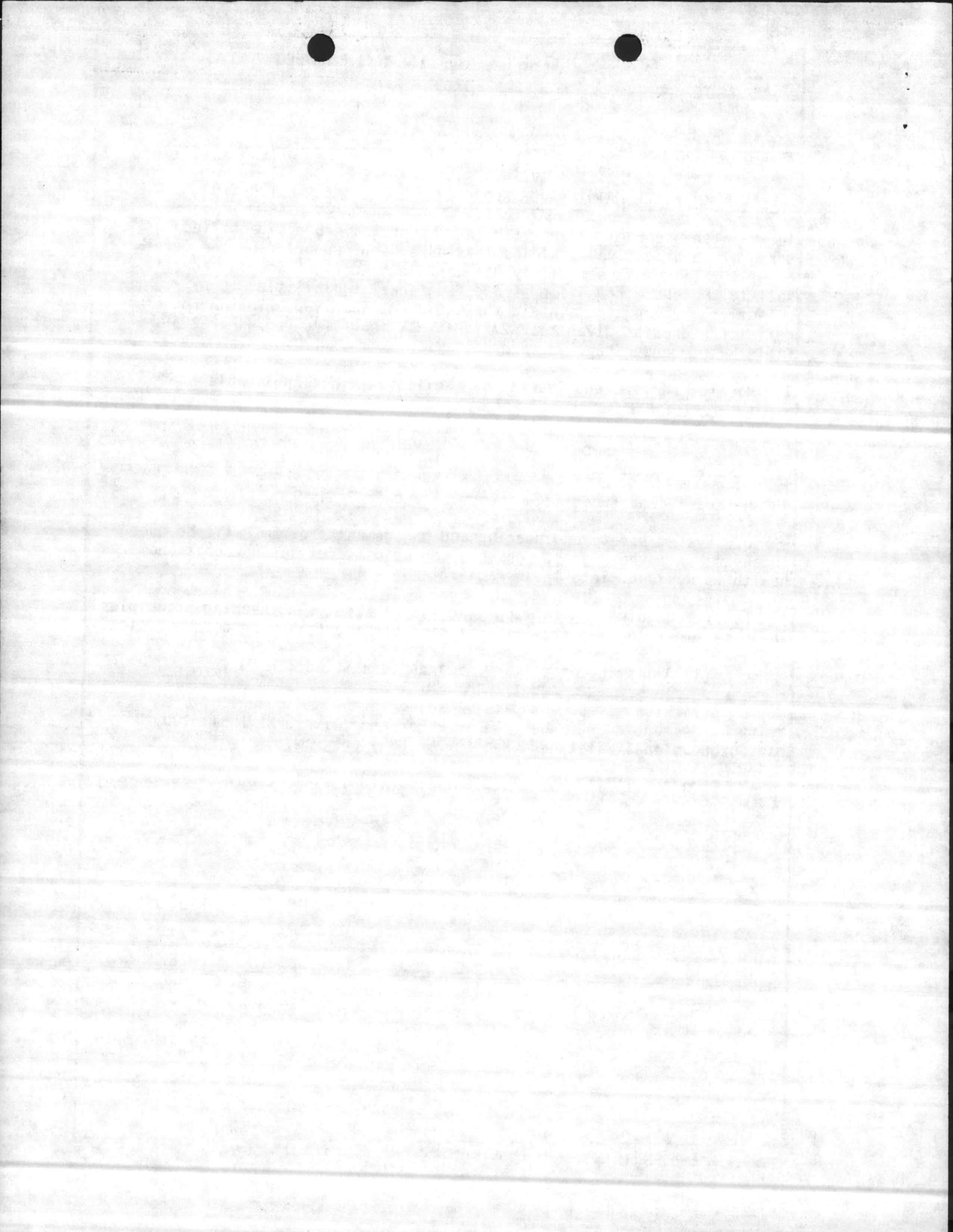
13. Quantitative Data:

- a. UNIT OF MEASURE: "SQUARE FEET"
 - b. TOTAL REQUIREMENT: 26,312 SQUARE FEET
 - c. EXISTING SUBSTANDARD: 0 SQUARE FEET
 - d. EXISTING INADEQUATE: 0 SQUARE FEET
 - * e. EXISTING ADEQUATE: 13,662 SQUARE FEET
 - f. OTHER ASSETS, NOT IN INVENTORY: 0 SQUARE FEET
 - g. FUNDED, NOT IN INVENTORY: 0 SQUARE FEET
 - * h. ADEQUATE ASSETS: (e + f + g) 13,662 SQUARE FEET
 - i. DEFICIENCY: (b - h) 12,650 SQUARE FEET
- TOTAL REQUIREMENT = 26,312 SQUARE FEET
 ADEQUATE ASSETS = 13,662 SQUARE FEET
 TOTAL DEFICIENCY = 12,650 SQUARE FEET

*Bldg FC-100 will be utilized until completion of P-679 and convert back to Category Code 214-51. Bldg FC-100 currently utilizes 8,712 Square Feet.



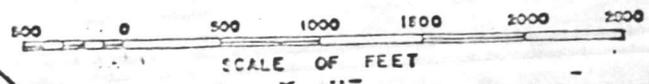
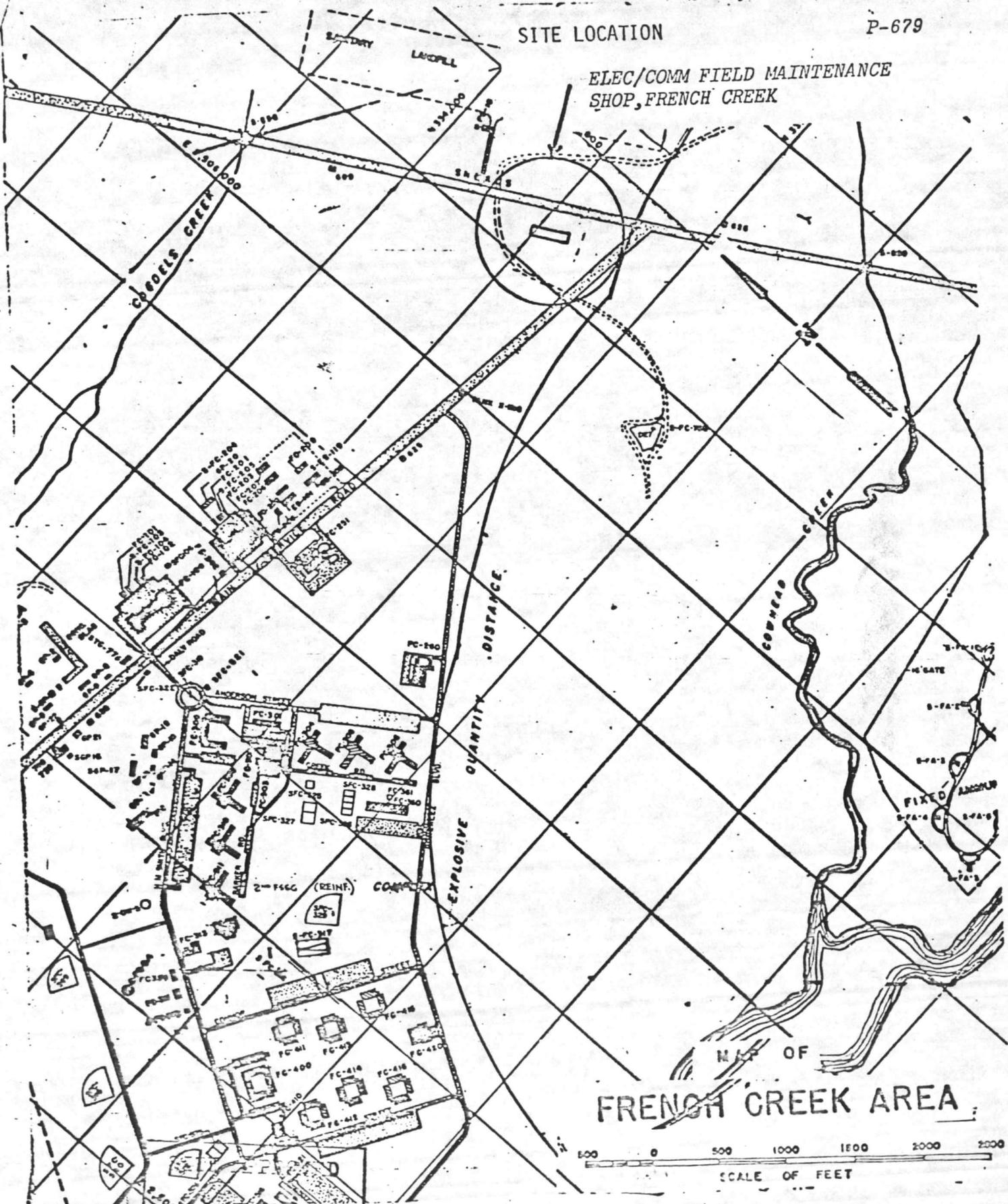
1. COMPONENT MARINE CORPS		FY 1989 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 1 July 1985
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542				
4. PROJECT TITLE ELEC/COMM FIELD MAINTENANCE SHOP			5. PROJECT NUMBER P-679	
<p>14. <u>Maintenance Facilities:</u> Planning factors have been identified in terms of quantitative workloads that have been supported by the level of utilization. This facility has certain specifications in order to satisfy the space requirements and functional capabilities to effectively store and maintain the equipment involved. The NAVFAC definitive drawing given in P-272, Part IV is NAVFAC Dwg. # 1293356, Field Maintenance Shop, Service Battalion.</p> <p>15. <u>Morale, Welfare and Recreation Facilities:</u> Not Applicable</p> <p>16. <u>Relocation Facilities:</u> Not Applicable.</p> <p>17. <u>Storage Facilities:</u> Not Applicable.</p> <p>18. <u>Hazards Identification, Assessment and Analysis:</u></p> <p>a. System safety engineering and management programs will be used to ensure that the highest possible degree of safety and occupational health is designed into these facilities.</p> <p>b. The requirement for applying system safety engineering principles and management to this facility will include the following documentation:</p> <p>(1) A listing of primary hazards identified.</p> <p>(2) Risk assessment data, leading to the assignment of a "risk assessment code," shall be in accordance with OPNAVINST 5100.23, Navy Occupational Safety and Health (NAVOSH) program.</p> <p>(3) A preliminary hazard analysis (PHA) will be submitted as required.</p>				



SITE LOCATION

P-679

ELEC/COMM FIELD MAINTENANCE
SHOP, FRENCH CREEK



DATE 9/23/91
 BY *[Signature]*

ENCLOSURE (1)

