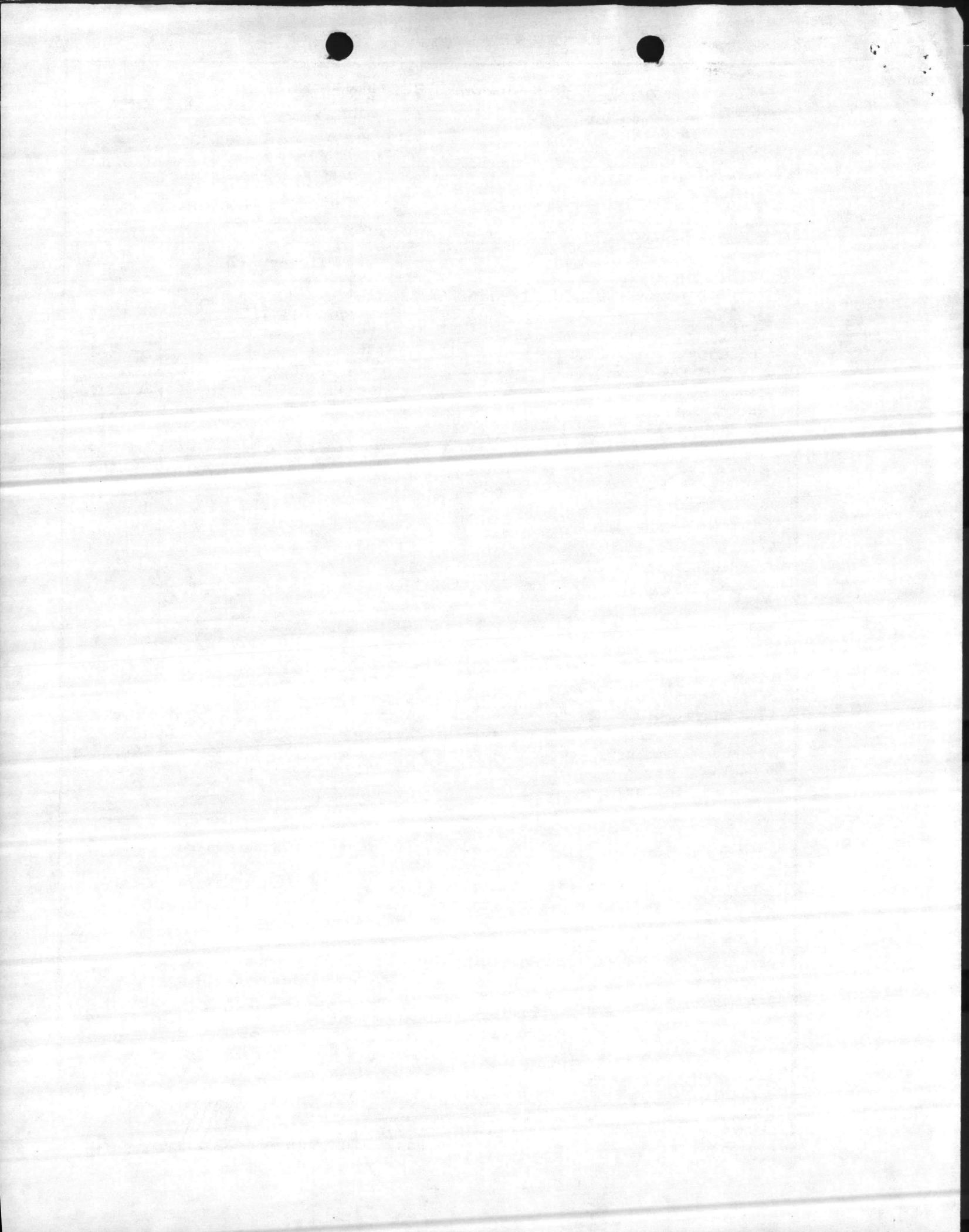
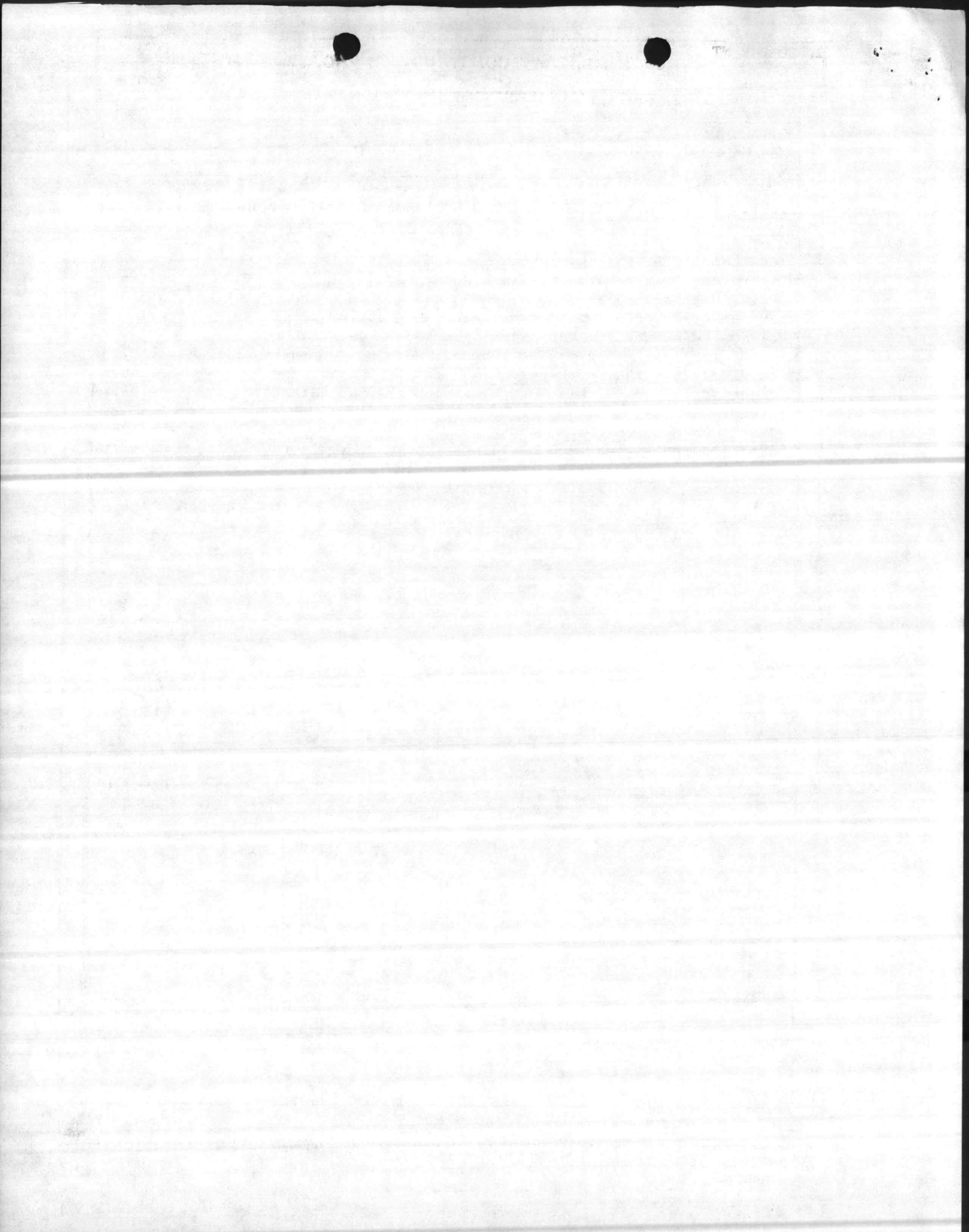


1. COMPONENT NAVY		FY 19 <sup>87</sup> MILITARY CONSTRUCTION PROJECT DATA		2. DATE REVISED 1 March 85	
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NC 28542			4. PROJECT TITLE ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP		
5. PROGRAM ELEMENT	6. CATEGORY CODE 217-10	7. PROJECT NUMBER P-167	8. PROJECT COST (\$000) <del>1,400</del> 1,100		
ESCALATED TO APRIL 1987		9. COST ESTIMATES			
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP	SF	11,725	96.88	1,136	
Building	SF	11,725	77.76	(912)	
Built-In Equipment	LS	-	-	(193)	
Solar Hot Water System	LS	-	-	(31)	
SUPPORTING FACILITIES				170	
Special Construction Features	LS	-	-	(21)	
Utilities	LS	-	-	(59)	
Roads, Parking, Sidewalks	LS	-	-	(75)	
Site Improvements	LS	-	-	(15)	
SUBTOTAL				1,306	
CONTINGENCY (5%)				65	
TOTAL CONTRACT COST				1,371	
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				75	
TOTAL REQUEST				1,446	
TOTAL REQUEST (ROUNDED)				1,400	
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, telephone and equipment installation, 60/400 cycle electrical; grounding, etc., exterior pavements, fencing, area lighting, site work, and utilities connected are included. Fallout shelter excluded - shelters for personnel have been programmed in other projects. (38 tons Air conditioning)</p>					
11. REQUIREMENTS: 49,485 SF Adequate: 7,834 SF Substandard: 2,400 SF					
<p><u>PROJECT:</u> Provide an adequate facility for the 8th Communication Bn. to perform 1st and 2nd echelon maintenance on organic field communications gear.</p> <p><u>REQUIREMENT:</u> The 8th Communications Battalion has the requirement to provide and maintain communications within a Marine Amphibious Force theatre of operations, which includes a Marine Infantry Division, a Marine Air Wing, and a Force Service Support Group. This project will provide an adequate facility to maintain the Battalions organic field communications equipment, both radio and wire. This Battalion maintains over 2,799 pieces of communications gear consisting of 59 vehicle mounted radios, 45 sheltered radios and 2,695 portable radios, and employs 66 people in their communicatins maintenance facility, and has a total of 82 vehicles.</p>					



1. COMPONENT NAVY	FY 19 <u>87</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 March 85
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP	5. PROJECT NUMBER P-167	
<p><u>CURRENT SITUATION:</u> Communication and Electronics Maintenance is now being performed by the Battalion in six scattered buildings, some in the Industrial Area and some using borrowed space from other battalions in the French Creek Area. The substandard WWII buildings in the Industrial Area cannot be made adequate. They lack proper ceiling height for mobile field communications vehicles, proper door height, proper bay size, electrical service, lighting, work space and parking space. The borrowed spaces in French Creek needs to revert back to other battalions for their intended use.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Work will continue to be done in scattered substandard WWII make-do buildings, causing protracted maintenance efforts with a resulting increase in deadline equipment, adversely affecting the battalions combat readiness posture.</p>		



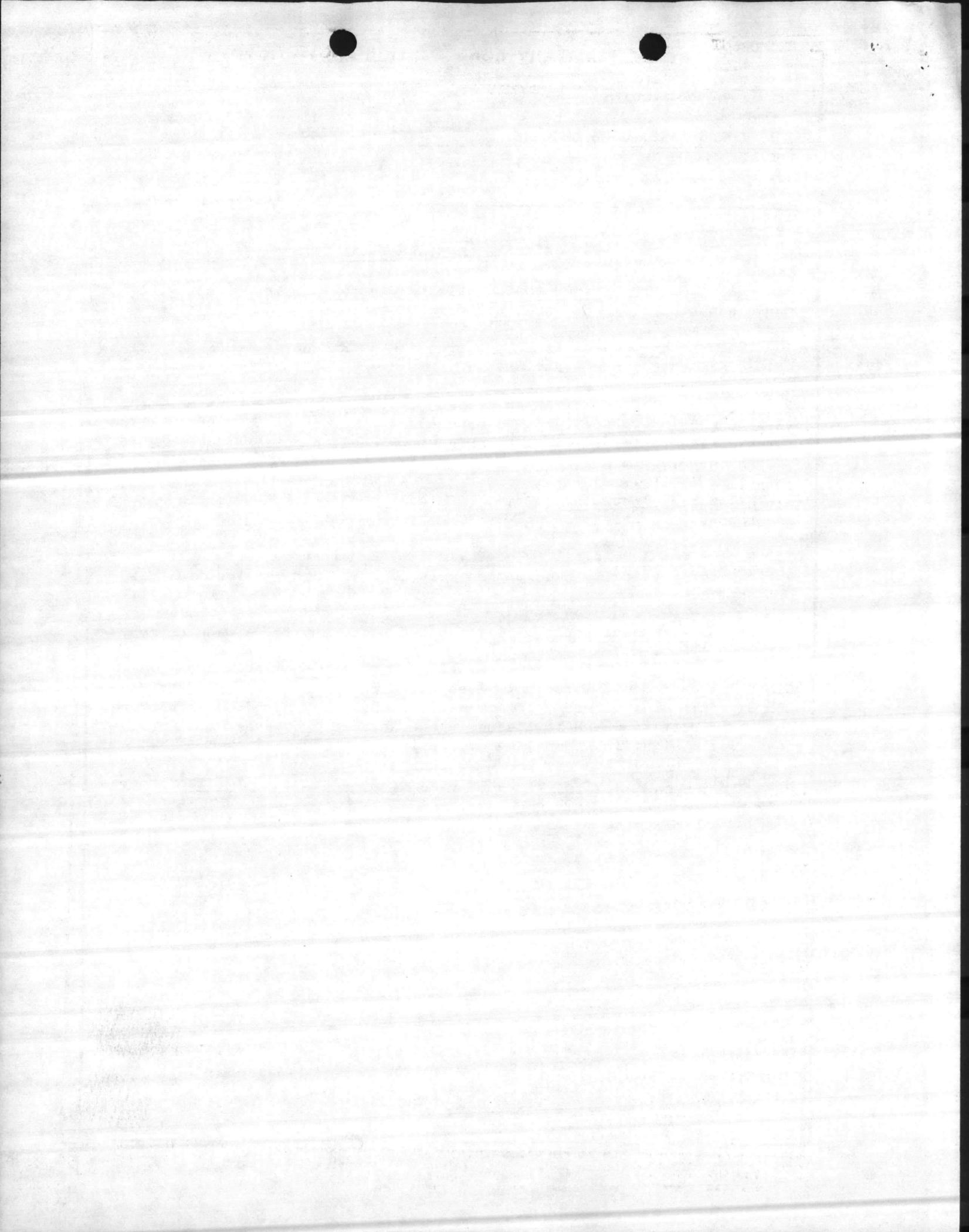
1. COMPONENT NAVY	FY 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 March 85
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3. INSTALLATION AND LOCATION  
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP	5. PROJECT NUMBER P-167
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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 1987 - MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY	FY-1987	1 March 85

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

4. PROJECT TITLE	5. PROJECT NUMBER
ELEC/COMM MAINTENANCE SHOP	P-167

FACILITY STUDY

1. Project. Provide 11,725 SF of electronics/communications maintenance shop for electronics and communications T/E equipment assigned to Communication Battalion for the 2d Force Service Support Group.

2. Current and Planned Future Workload with Regard to this Project. 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 first and second 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. Description of Proposed Construction.

a. Type of Construction.

(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, etc.

b. Replacement. Not applicable. Existing facilities will be temporarily utilized to satisfy deficiencies until new facilities are constructed.

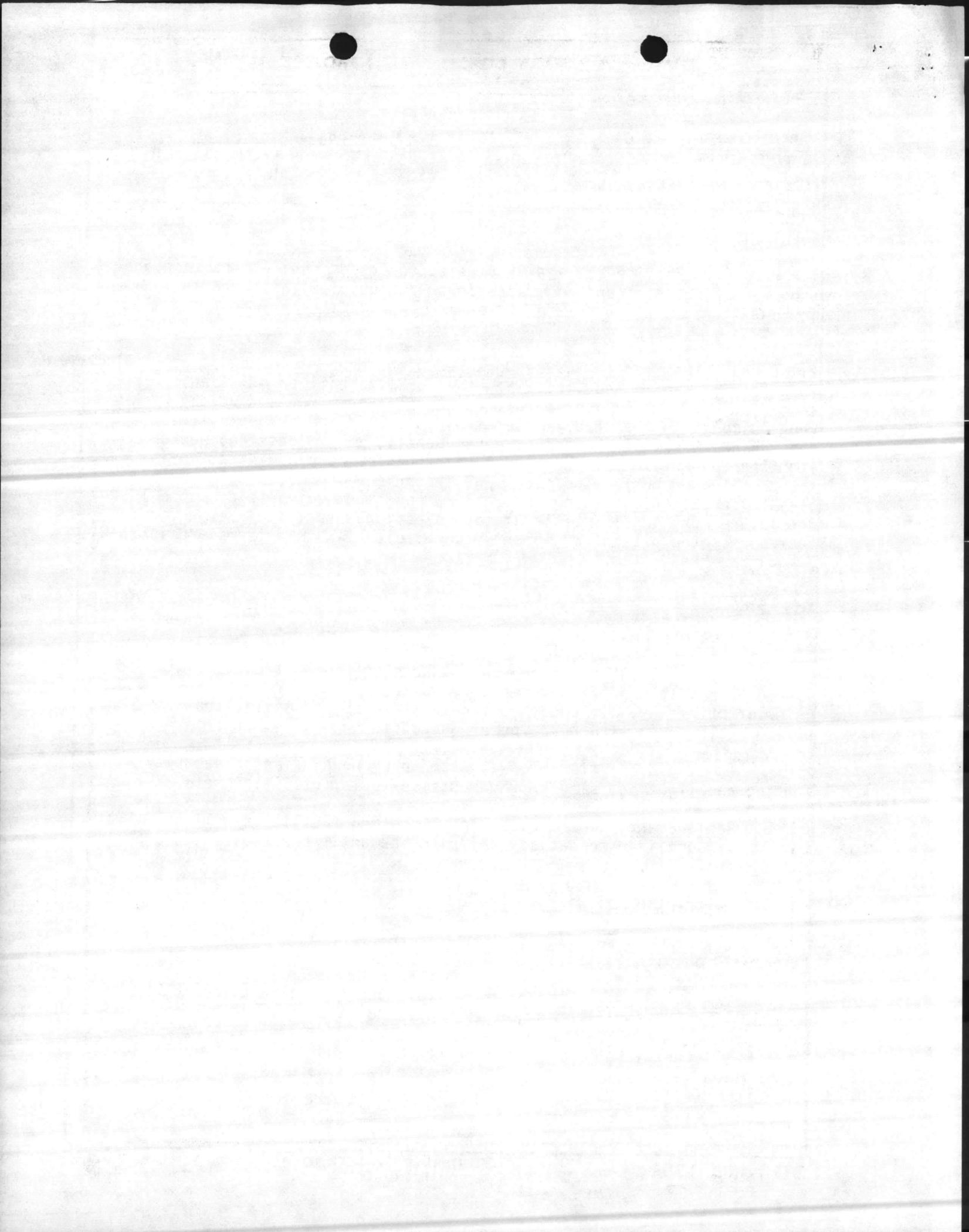
c. Description of Work to be Done.

(1) Primary Facilities. Modular reinforced concrete/masonry structures on pile foundation.

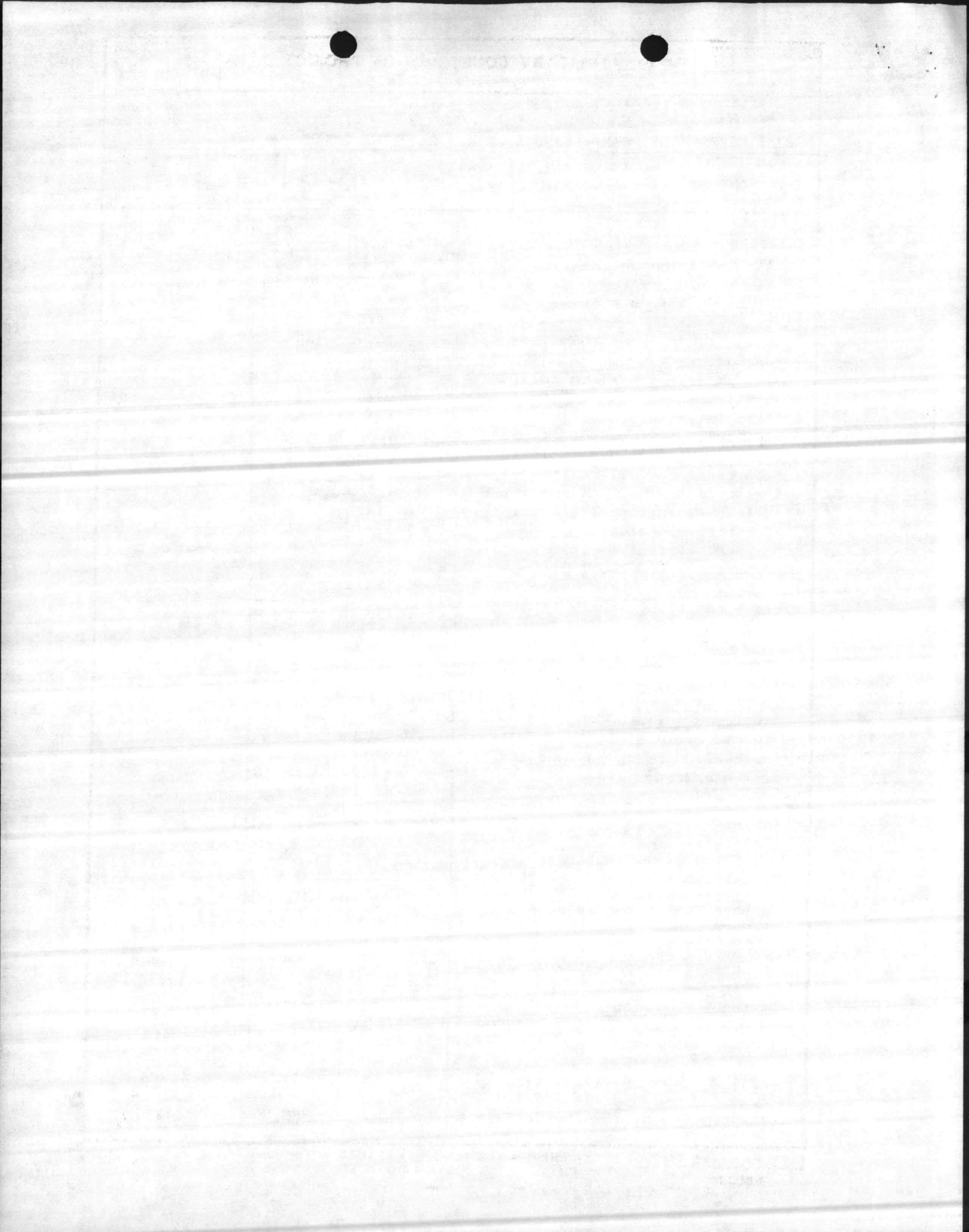
(a) Support Facilities. Rigid and flexible pavements, security fencing and lighting, utilities, and site improvement.

(2) Energy Conservation. Energy efficient equipment and building orientation for maximum energy conservation will be utilized.

(3) Collateral Equipment: See the following pages.





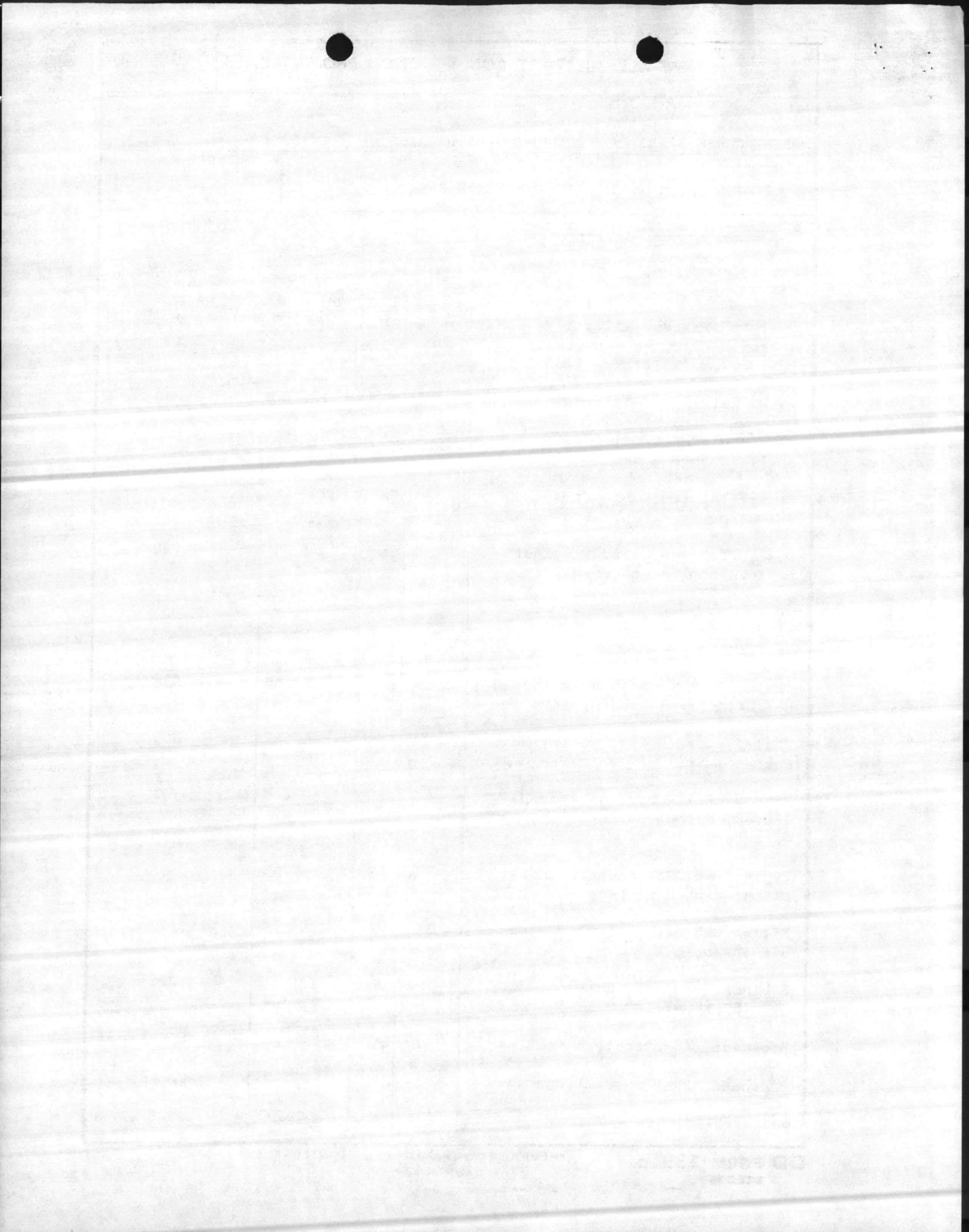


3. INSTALLATION AND LOCATION  
**MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542**

4. PROJECT TITLE **ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP** | 5. PROJECT NUMBER **P-167**

2. EXPENSE ITEMS: (continued)

Parts Rota bins, 3' dia, multiple bin	16	EA	360.00	5,760
Charger, battery, 12V, 24V, 36V selenium type; battery tester, 12V, 24V, 36V, 2.2KW, 110/220V	4	EA	550.00	2,200
14"W shelving w/adj stds	24	EA	120.00	2,880
12"W shelving w/adj stds, 6 shelves, 36"W & 84"H	24	EA	90.00	2,160
Desk, flat top, dbl ped, 60x30" walnut pattern top, no overhang	3	EA	315.00	945
Desk, flat top, 45x30" walnut pattern top, no overhang	8	EA	240.00	1,920
Attachment for above desk secretarial and general clerical purposes	8	EA	275.00	2,220
Chair, rotary, tilting seat and height, w/arms and casters	11	EA	63.46	698
Chair, secretarial, rotary adj. seat height,	14	EA	61.82	865
Stand, office machine 2 drop leaves, walnut pattern top, w/casters	6	EA	122.00	732
Typewriter, IBM electric, dual pitch, carbon ribbon, selectric	8	EA	947.00	7,576
Filing Cabinet, 5 drawer, legal size, w/o lock	8	EA	146.20	1,170
Cabinet, storage, dbl door, 36"x18" x80-1/16"H	10	EA	132.27	1,323
Bookcase, 48"overall height, parch	17	EA	82.92	1,410
Bookcase, 29½" overall, parch.	17	EA	61.02	1,037
Chair, straight, w/o arms	36	EA	40.00	1,440



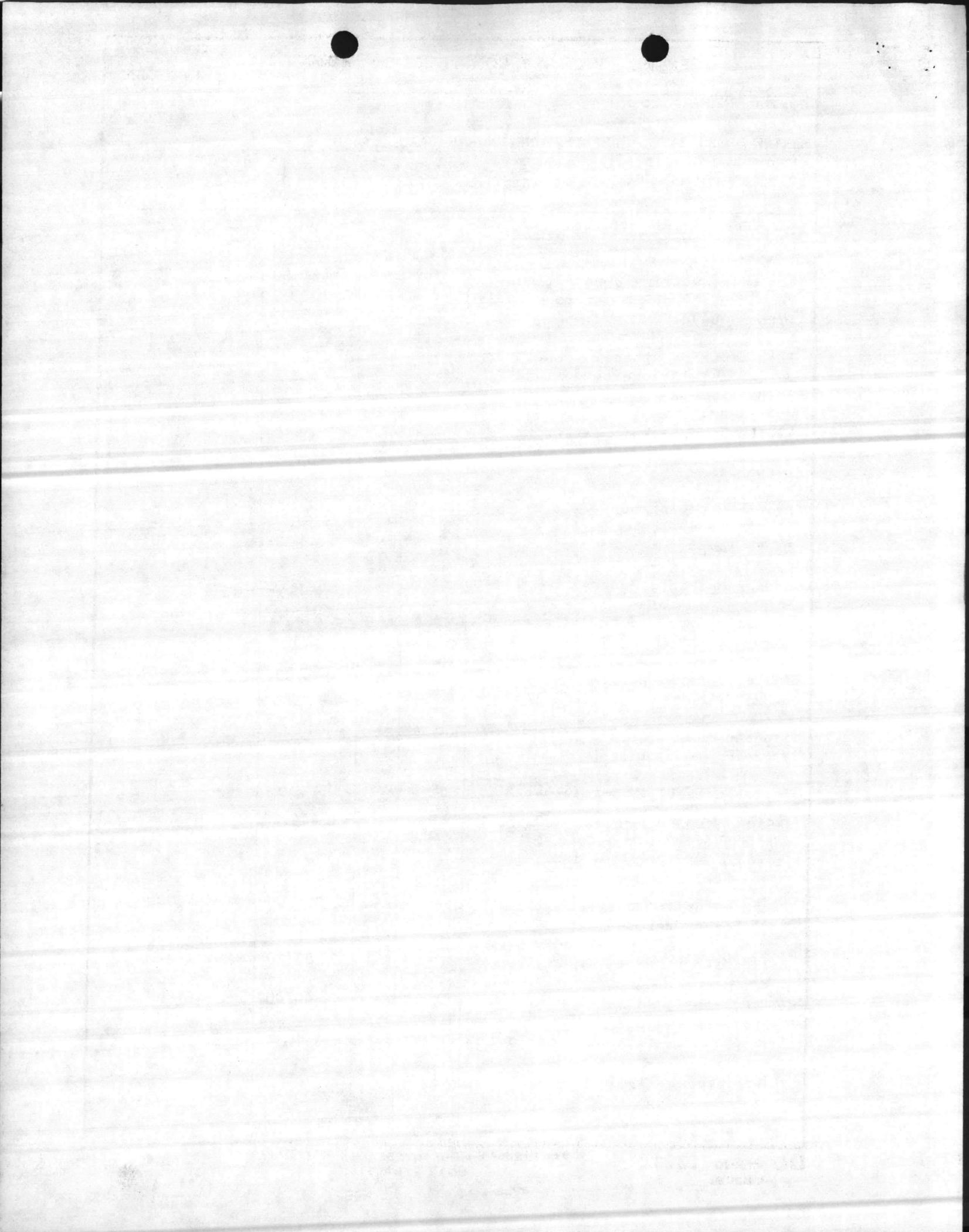
1. COMPONENT **NAVY** | **FY 1987 MILITARY CONSTRUCTION PROJECT DATA** | 2. DATE **1 Mar 85**

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

4. PROJECT TITLE **ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP** | 5. PROJECT NUMBER **P-167**

2. EXPENSE ITEMS: (continued)

Costumer, wearing apparel, con-temporary, 4 dbl hooks round pole w/round base	12	EA	31.50	378
Rack, wearing apparel, contempor-ary, 6 metal hangers, 78x30x20 at base.	8	EA	55.63	445
Wastepaper, basket, darkbrown	24	EA	2.75	66
Draperies	10	PR	90.00	900
Draperies, blackout	10	PR	95.00	950
Desk, lamp	24	EA	45.00	1,080
Adding Machine, Monroe, Model 1405	6	EA	400.00	2,400
Bulletin Board, cork, alum frame 4'x6' T5-2307	8	EA	82.00	656
Table, general purpose 60"x30"x29½"	6	EA	164.00	984
Student chairs, Model HC-7730-PABS-PP	42	EA	70.00	2,940
Portable easel Model T5-80E	3	EA	90.00	270
438EN 10 LP bench 96x36x35½ 5 400 HZ, 60 HZ, 28 VOC on 20A circuit brks w/pilot indicator	12	EA	1,484.00	17,808
Rack, security, for mechanics tool boxes, 24 openings	4	EA	2,000.00	8,000
Extinguisher, fire, 15 lb CO <sub>2</sub>	10	EA	85.00	850
Extinguisher, fire, 2½ gal. H <sub>2</sub> O	11	EA	40.00	400
Extinguisher, fire dry chemical	10	EA	90.00	900
<b>TOTAL EXPENSE ITEMS:</b>				<b>88,328</b>

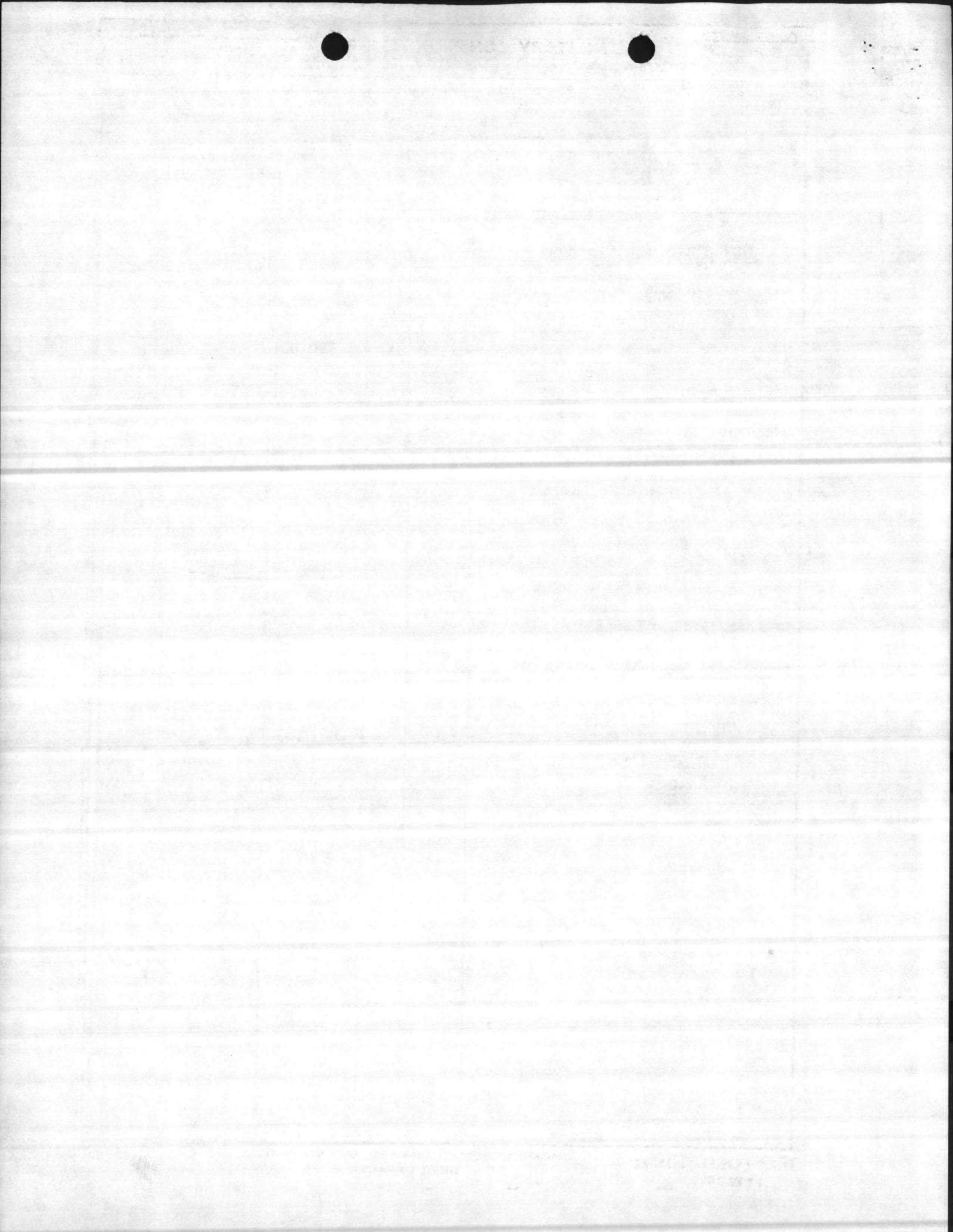


1. COMPONENT **NAVY** | **FY 1987 MILITARY CONSTRUCTION PROJECT DATA** | 2. DATE **1 Mar 85**

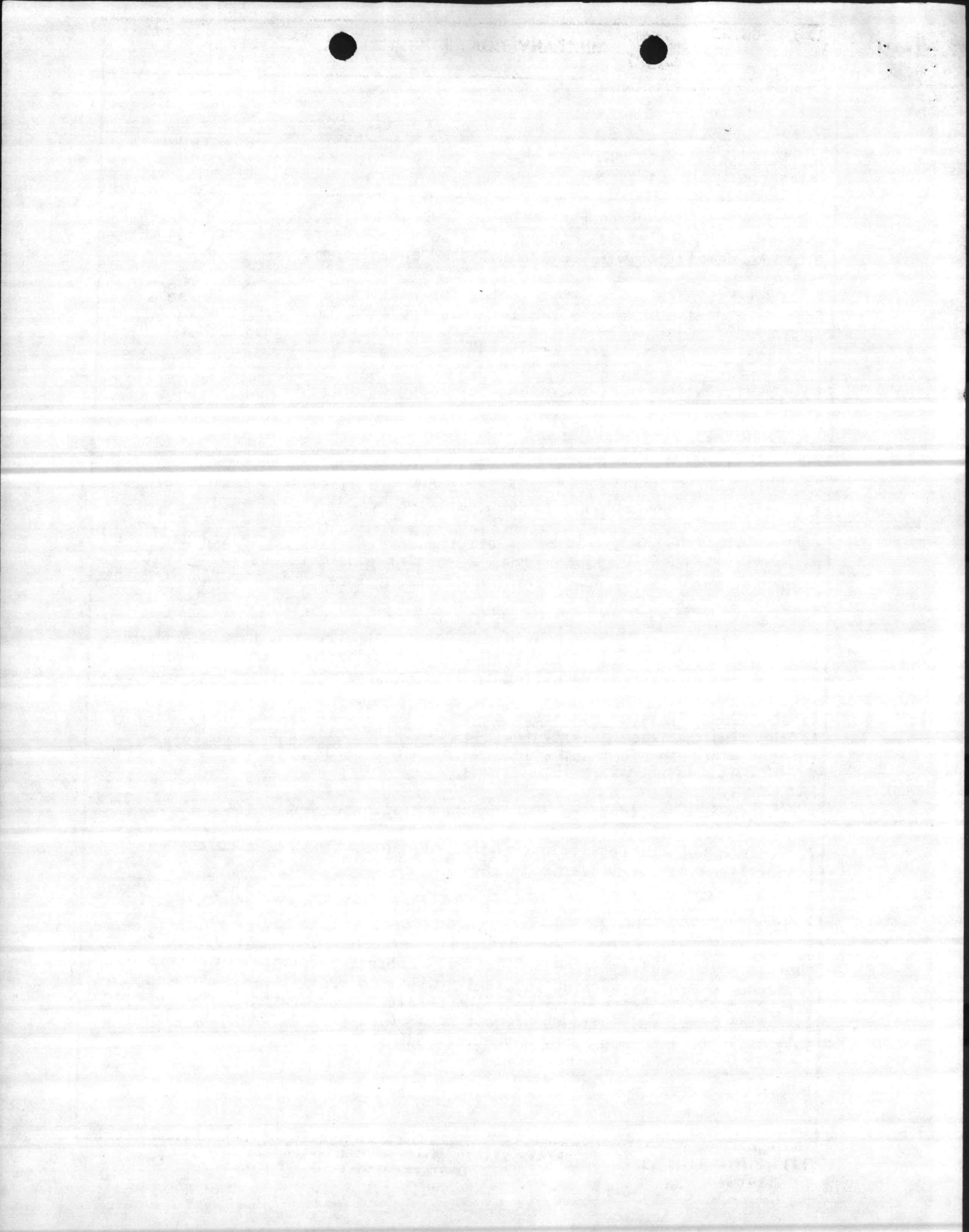
3. INSTALLATION AND LOCATION  
**MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542**

4. PROJECT TITLE **ELEC/COMM MAINTENANCE SHOP** | 5. PROJECT NUMBER **P-167**

3. INVESTMENT ITEMS: None				
4. APA EQUIPMENT: None				
5. TRAINING EQUIPMENT: (to be locally funded)				
Movie Projector	2	EA	630.00	1,260
Movie Screen	2	EA	120.00	240
Overhead Projector	2	EA	412.00	824
TOTAL TRAINING ITEMS:				2,234
6. EQUIPMENT ON HAND: None				
7. SUMMARY: Expense Costs (O&MMC)				88,328
Training Eqpt.				2,234
EXPENSE ITEMS ACCELERATED TO FY-87				102,992
Beneficial Occupancy Date: April 1988				



1. COMPONENT NAVY		FY - MILITARY CONSTRUCTION P CT DATA FY-87		2. DATE 1 Mar 85
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542				
4. PROJECT TITLE ELEC/COMM MAINTENANCE SHOP			5. PROJECT NUMBER P-167	
<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, N. C. is 0.95. Cost data derived from the Military Construction Cost Review Guide, FY-82 (DOD 4270.1-CG), and escalated to FY-87 to provide for this proposed facility.</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 Communication Battalion adequate and secure facilities to perform electronic and communications equipment maintenance.</p> <p>(2) <u>Current Situation.</u> Personnel are working in substandard and makeshift facilities, temporary WW-II Butler type metal buildings with open bays and oil space heaters and no heads, located in the Hadnot Point area.</p> <p>(3) <u>Impact if Not Provided.</u> Personnel will continue to work in substandard and makeshift facilities resulting in some 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, 11,725 SF, is the minimum size facility that can meet the deficiency requirement for the electronic/communications maintenance needs of the Communication Bn 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 \$4,072 per year in increased O&amp;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

NAVY

FY-1987  
FY-1987

MILITARY CONSTRUCTION

CT DATA

2. DATE

1 Mar 85

## 3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

## 4. PROJECT TITLE

ELEC/COMM MAINTENANCE SHOP

## 5. PROJECT NUMBER

P-167

Utility Requirements

a. Electricity	Consumption	40,166	KWHR/yr
	Peak Demand	25	KW
	Avg Demand	23	KW
b. Steam	Consumption	1,801,633	lbs/yr
	Demand	645	lbs/hr
c. Coal		70.4	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.

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.

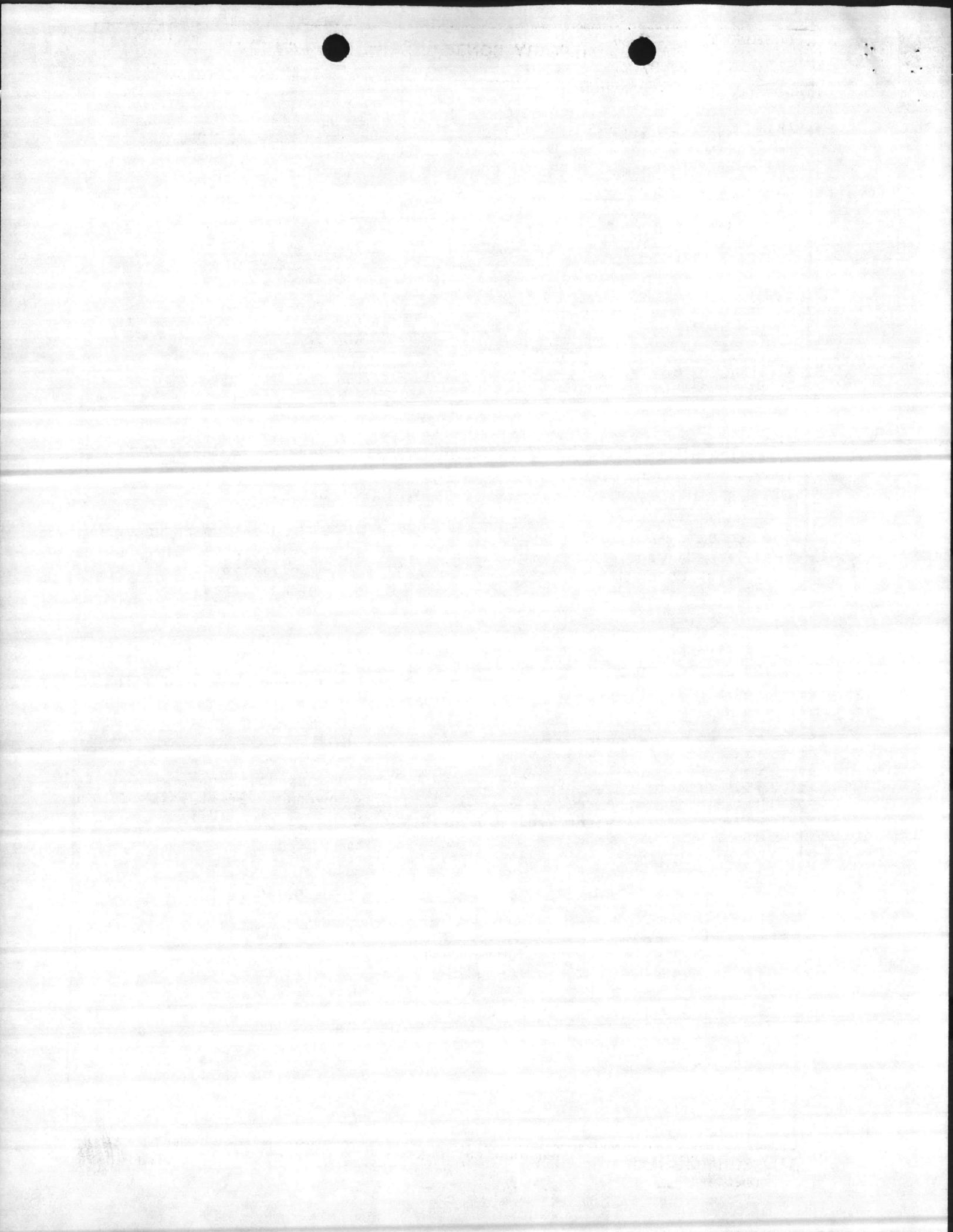
12. Environmental Impact Assessment. An environmental impact assessment of the area has been made and it has been determined that this project will have neither a significant impact on the environment nor is it highly controversial.

13. Quantitative Data.

a. BFRL Requirement. French Creek Area (EA) is 46,185 SF. NAVFAC P-80 states that the requirement for this category code (217-10) is determined from definitive drawings given in NAVFAC P-272, Part IV.

<u>NAVFAC DWG #</u>	<u>ACTIVITY</u>	<u>AREA S.F.</u>
1293363	2d Radio Bn	9,750 U.C.
1293362	H&S Bn	3,950
1293366	Maint Bn	3,300
1293361	Lnd Sup Bn	6,100
1293365	Comm Bn	11,725
1293366	MT Bn	3,300
1293364	Engr Bn	4,760
1293366	Sup Bn	3,300 U.P.

TOTAL: 46,185



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

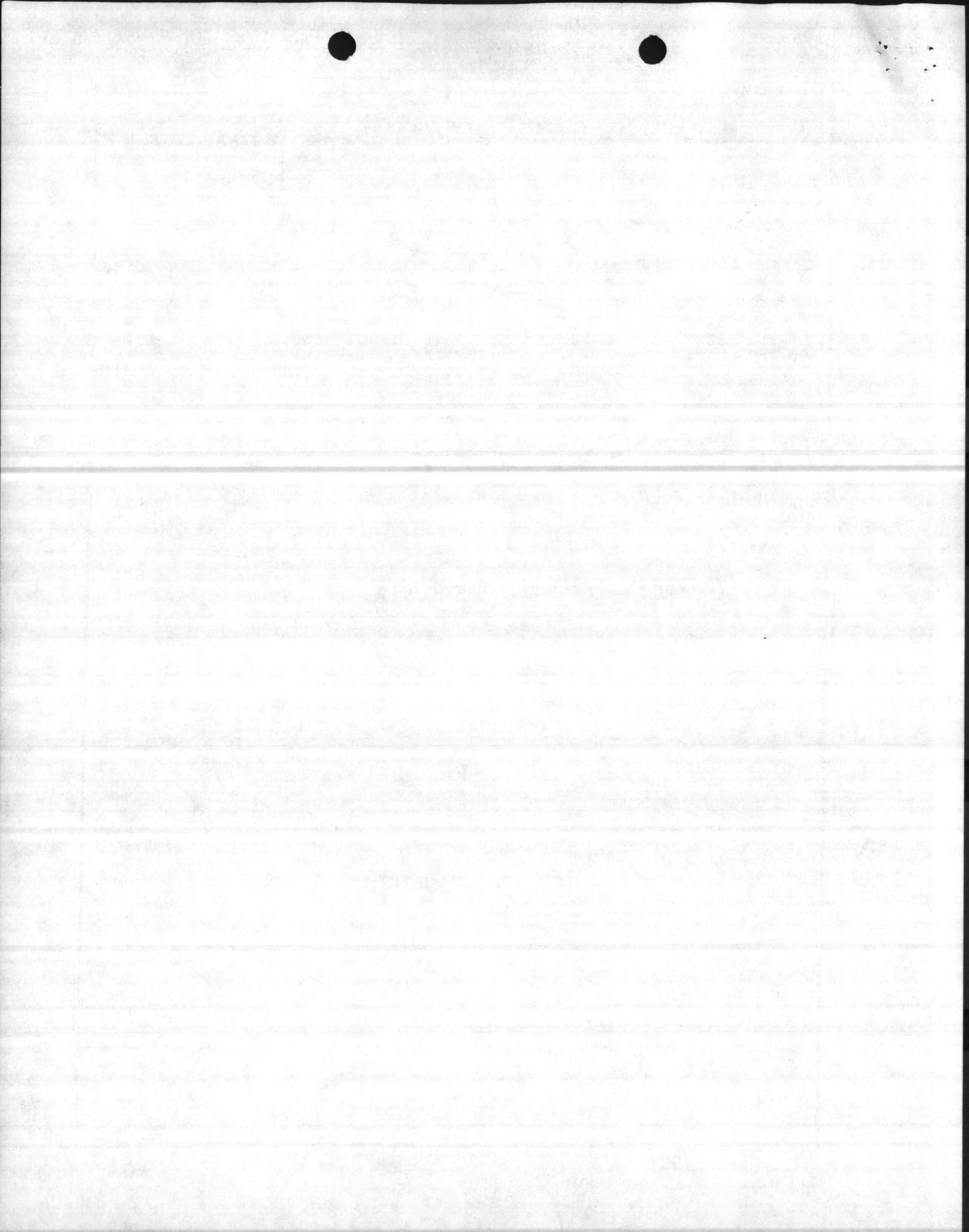
4. PROJECT TITLE **ELEC/COMM MAINTENANCE SHOP** 5. PROJECT NUMBER **P-167**

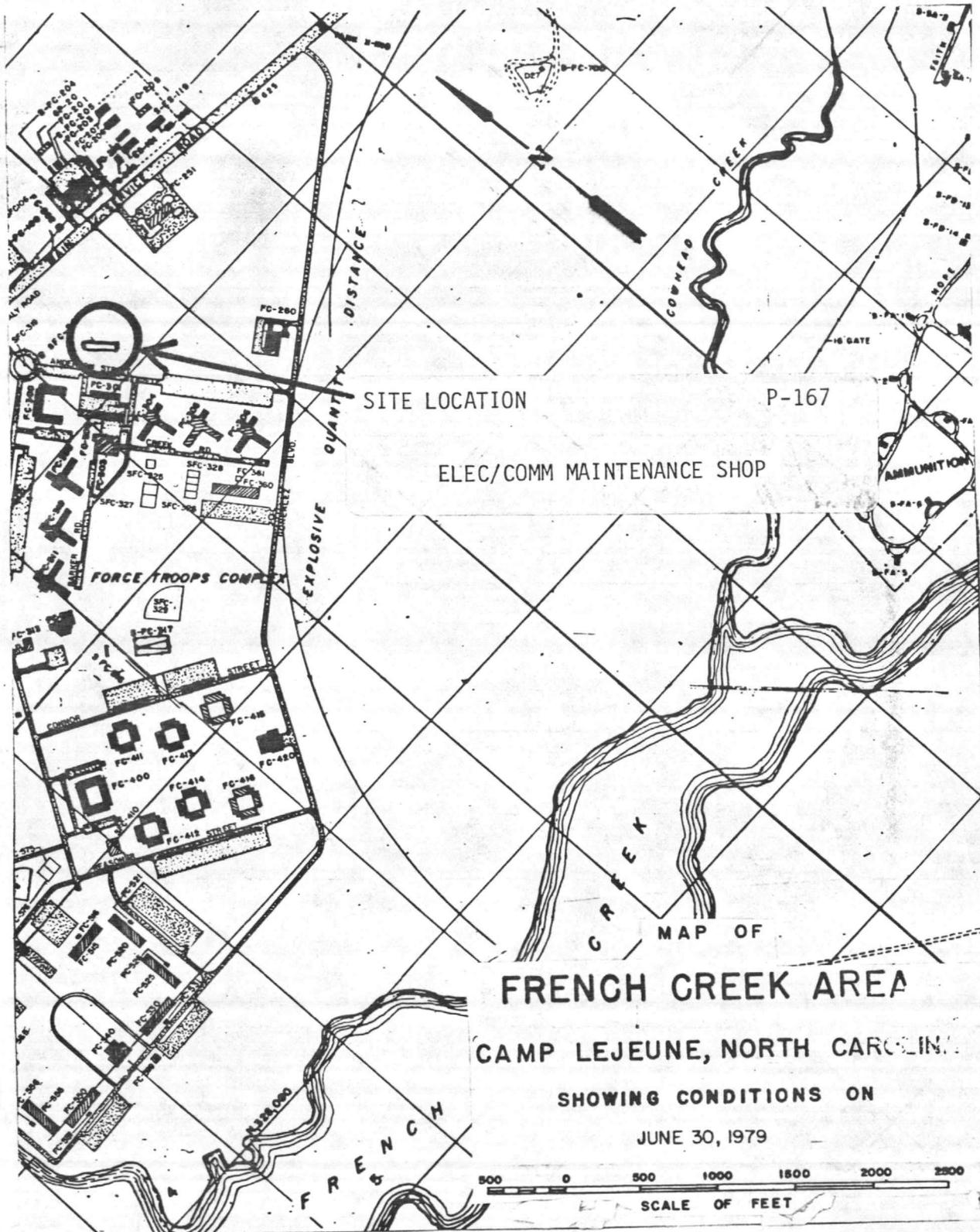
- b. Existing Facilities. NONE
- c. Planned Facilities.

<u>Project No.</u>	<u>Area SF</u>	<u>Status</u>
P-117	9,750	Existing Adequate
P-505	3,950	FY-84 Program
P-538	3,300	FY-84 "
P-564	6,100	FY-84 "
P-167	11,725	FY-86 "
P-541	3,300	FY-87 "
P-542	4,760	FY-87 "
P-543	3,300	U.P.

SUBTOTAL 46,185

d. Existing Adequate Facilities 9,750  
 Planned Facilities 36,435  
 Total Planned & Existing 46,185  
 BFRL TOTAL 46,185





SITE LOCATION

P-167

ELEC/COMM MAINTENANCE SHOP

FORCE TROOPS COMPLEX

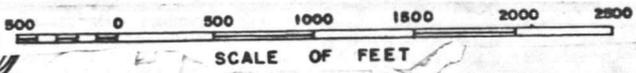
AMMUNITION

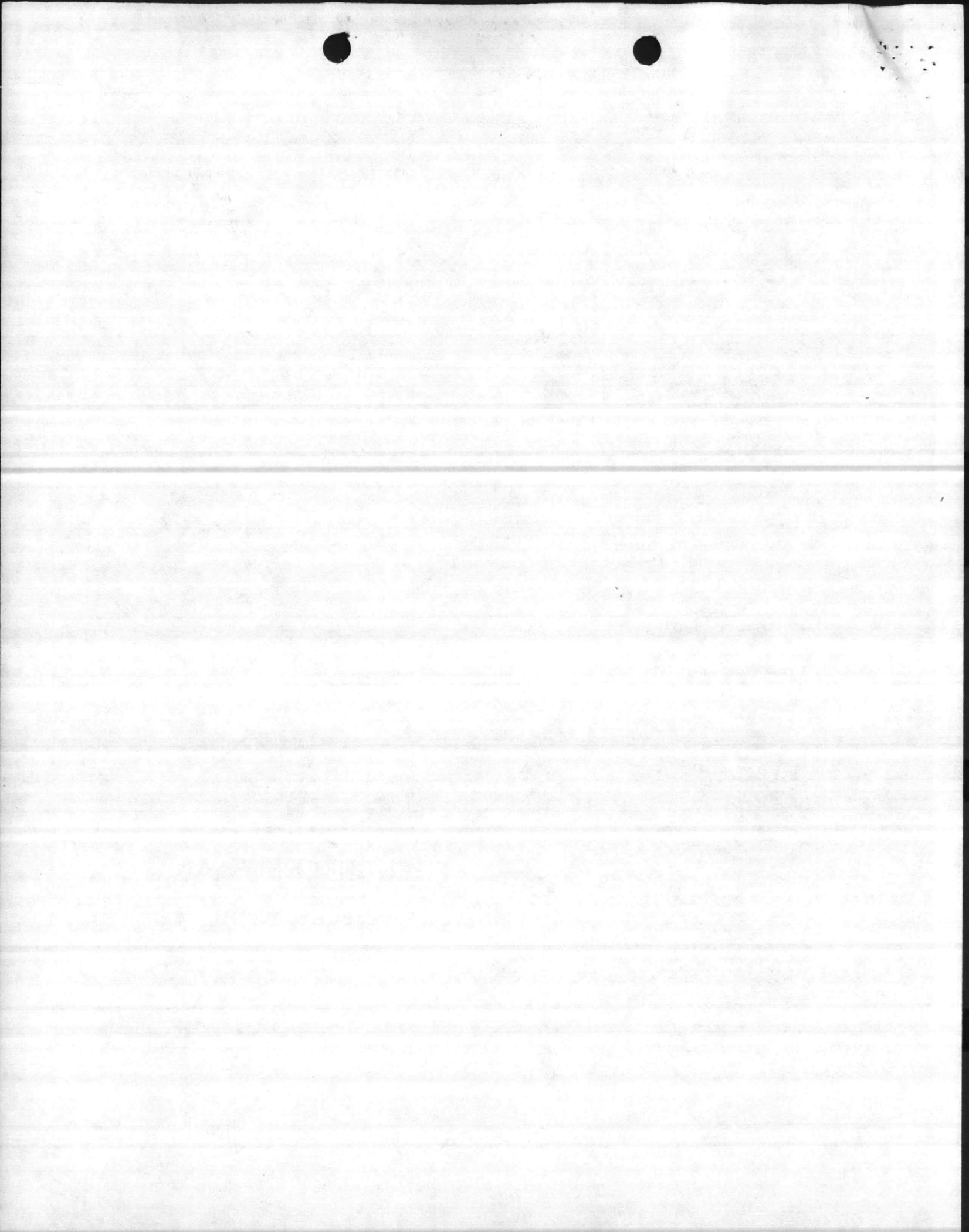
MAP OF  
**FRENCH CREEK AREA**

CAMP LEJEUNE, NORTH CAROLINA

SHOWING CONDITIONS ON

JUNE 30, 1979





**TELEPHONE CONVERSATION RECORD**  
 MCBCL 2305/8

DATE

31 May 85

(This record is to be used for both incoming and outgoing calls)

TIME (Began-Completed)

1500 - 1510

**TO: Chief of Staff,**

**ORIGINATOR**  
 (Name, Title, Location & Telephone Number Charged)

**Fred W. Estes, Jr. Planning Section**

**PERSON CALLED**  
 (Name, Title, Location & Telephone Number Charged)

**Steve Vines, CMC Code LFF-1**

**SUBJECT**

**FY-87 MILCON Project P-167 Elec/Comm Shop**

**COST OF CALL (MCB Units Only)**

**CHARGEABLE TO STATION ALLOTMENT**

**NOT CHARGEABLE TO STATION ALLOTMENT**

**ROUTING**

ACTIVITY OR NAME	ACTION	INFO	INITIAL

**COMMENTS**

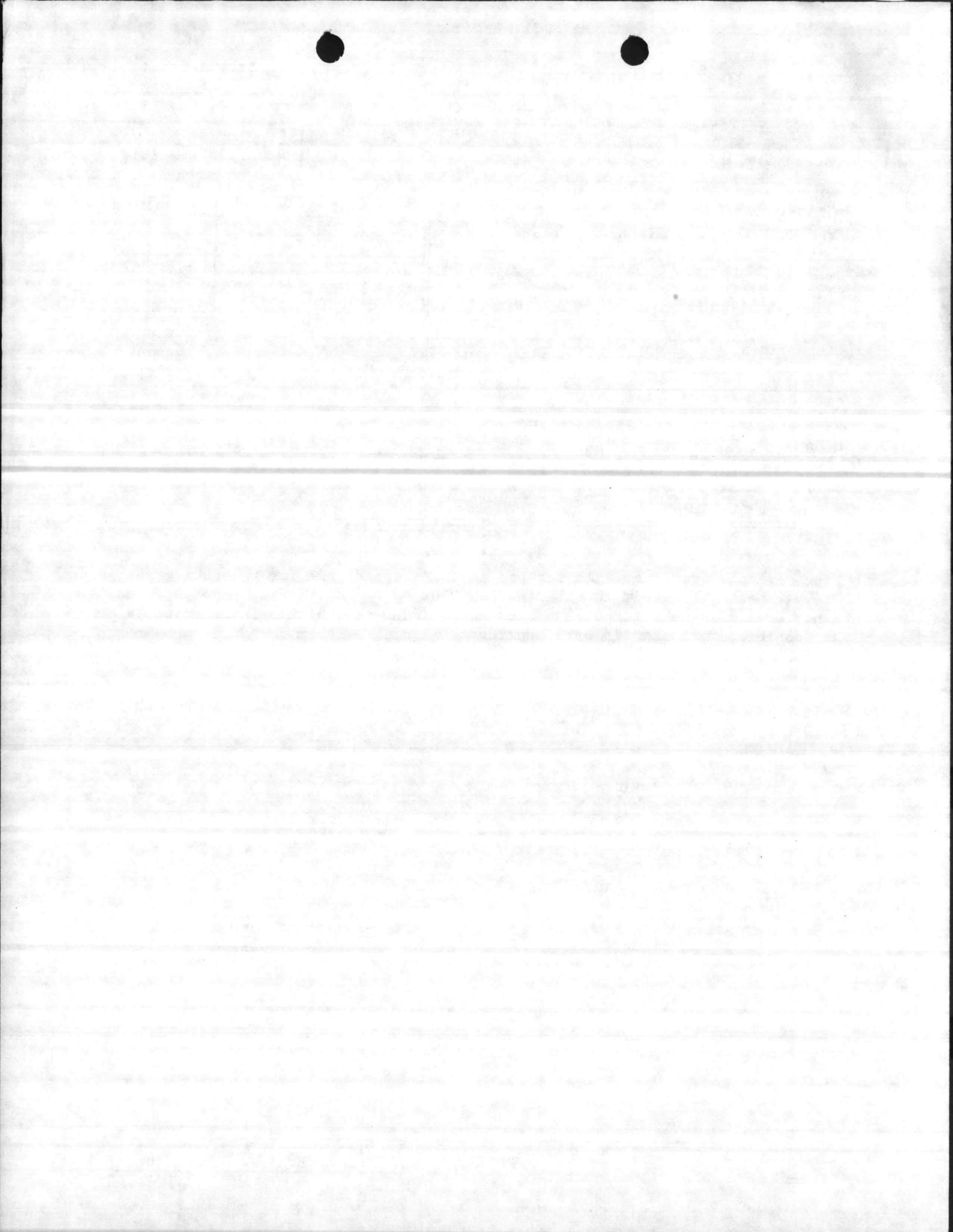
**SUMMARY OF CONVERSATION**

Fred called Steve Vines in reference to the scope change for the subject project. Steve Vines advised him to submit a new BFRL, data on the new T/E change and a new DD-1391. He later called back and said he needed this information as soon as possible, for congressional hearing.

**COPIES TO:**

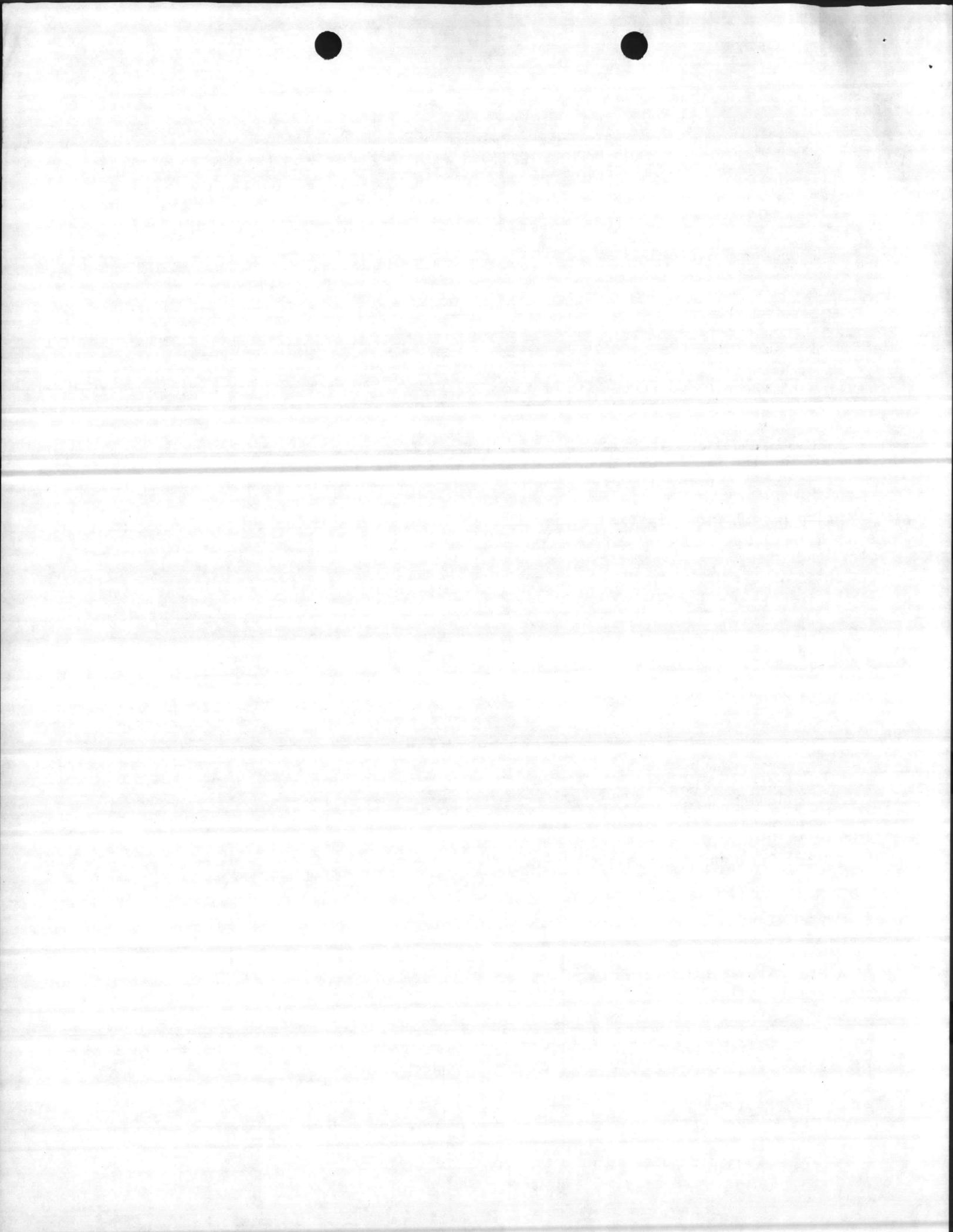
**SIGNATURE**

*Fred W. Estes, Jr.*  
**Fred W. Estes, Jr.**



COMBAT VEHICLE MAINTENANCE SHOP P-027  
ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP P-167

Items for Discussion	User Comments
01 Foundation System	
02 Slab on Grade	
03 Structural System (a) Clearances/Headroom (b) Columns @ 16' bay spacing (c) Load bearing interior walls	
04 Supported Floor System	
05 Stair System (a) Metal pan type	
06 Roof System (a) 4 ply built-up (b) Gutters and downspouts	
07 Exterior Wall System (a) Jumbo brick with 8" CMU back-up (b) Rigid cavity with U of .10 or less (c) Perimeter insulation	
08 Interior Finishes (a) Floor: Exp. concrete w/ hdn'r? Resilient tile? Resilient base? Cer. tile in toilets (b) Walls Painted CMU Painted drywall C.T. wainscot (c) Ceilings Acoustical bd? Gyp board Exposed struct.	<p>Semigloss? Second level only Toilets and janitor's closets</p> <p>Admin, corridors Water res. toilets and janitors High bay maint. areas</p>



10 Doors & window  
System

- (a) Doors
- (b) Hardware:
  - Locks?
  - Keying?
- (c) Windows:
  - Aluminum?
  - Baked En. Fin?
  - Projecting?
  - Hopper type?
- (d) Overhead Doors:
  - Sectional OH?
  - Insulated type?
  - Steel panels?
  - Glass?
  - Manual oper?
- (e) Glass:
  - Ext. insul. type?
  - Int. wire?

Hollow metal throughout?

Cylindrical? Mortise?

Master? Grandmaster? Great Grandmaster?

*make like on high*

11 Specialties:

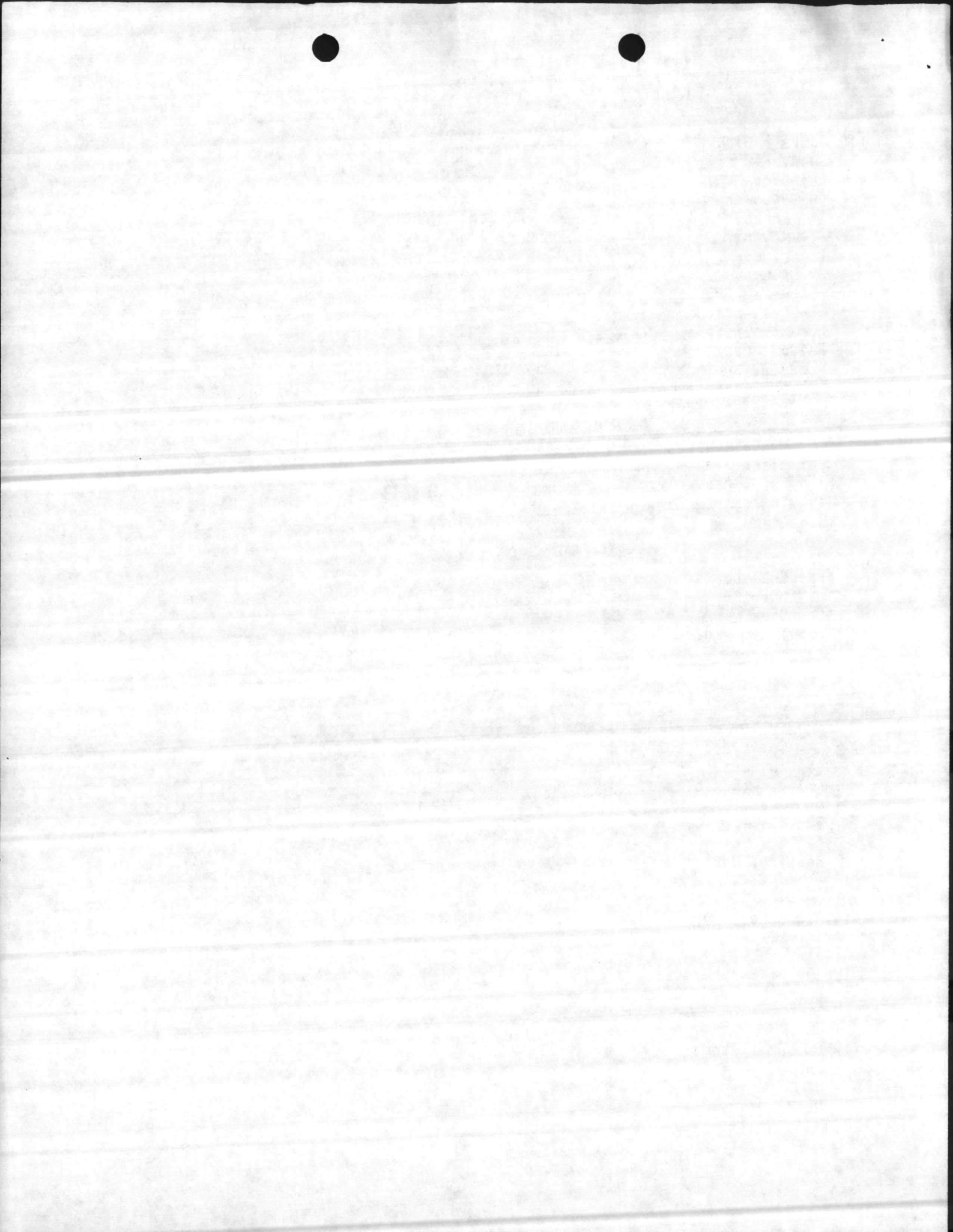
- (a) Chalkboard?
  - Where?
  - Size?
- (b) Tackboard?
  - Where?
  - Size?
- (c) Lockers:
  - 2 tier?
- (d) Toilet cubicles
  - Toil. access.?
- (e) ID devices?
- (f) Venetian blinds:
  - Where?

12 Heating, Ventil.

16 Air Condition.

18 Engine Exh. System  
Where?

19 Vacuum System:  
Where?  
CFM?  
Use?



20 Compressed Air:  
Where?  
CFM?  
Use?

22 Cranes & Hoist:  
5 ton?  
Hook height?  
Location?  
Travel?  
Speed?  
Lifting?  
Trolley?

26 Sprinkler System

28 Fire Alarm System

31 Power System

32 Lighting System

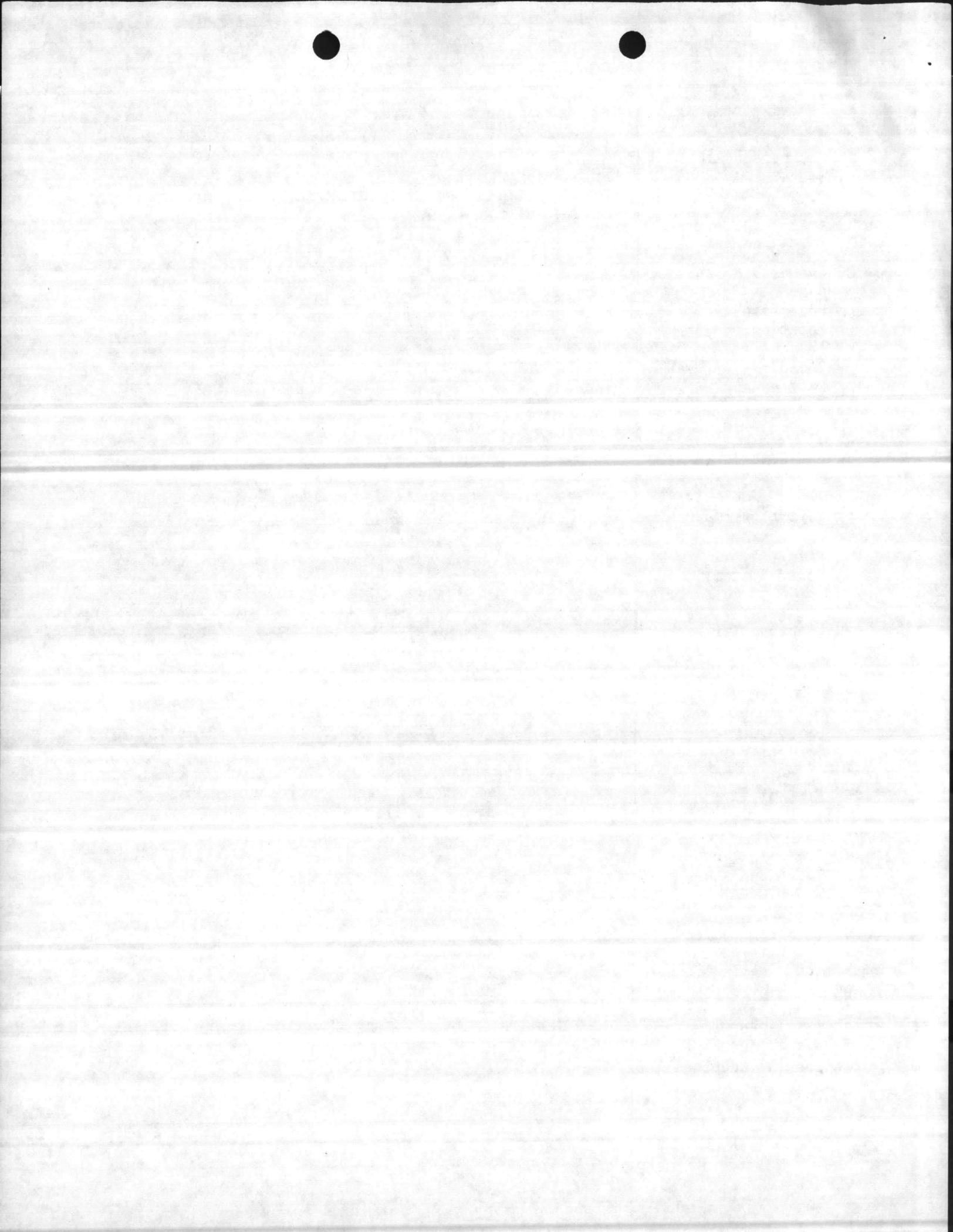
35 400 HZ power

40 Radio freq. shield.  
(a) Which room?  
Floor?  
Ceiling?  
Walls?

41 Telephone System

42 Intercom System

Q3 Vehicle Maint.  
Equipment:  
(a) 1-26000#  
1-11000#  
Special adaptors?



Q3 (cont'd)

- (b) Engine starting outlets?  
Where?  
DC voltage  
12V, 24V, 36V?
- (c) Tire changer:  
Size?  
Location?
- (d) Air hose reels:  
Where?
- (e) Elect. cord:  
Reels?
- (f) Water hose reels?
- (g) Lubrication assemblies?  
Locations?  
Quantity?  
Chasis grease?  
Motor oil?  
Trans. fluid?
- (h) Used oil sept?
- (i) Paint exh. sys?  
Water wash type?  
Environ. permit?  
(Forms)

50 Electrical Dist.

51 Electrical Substation

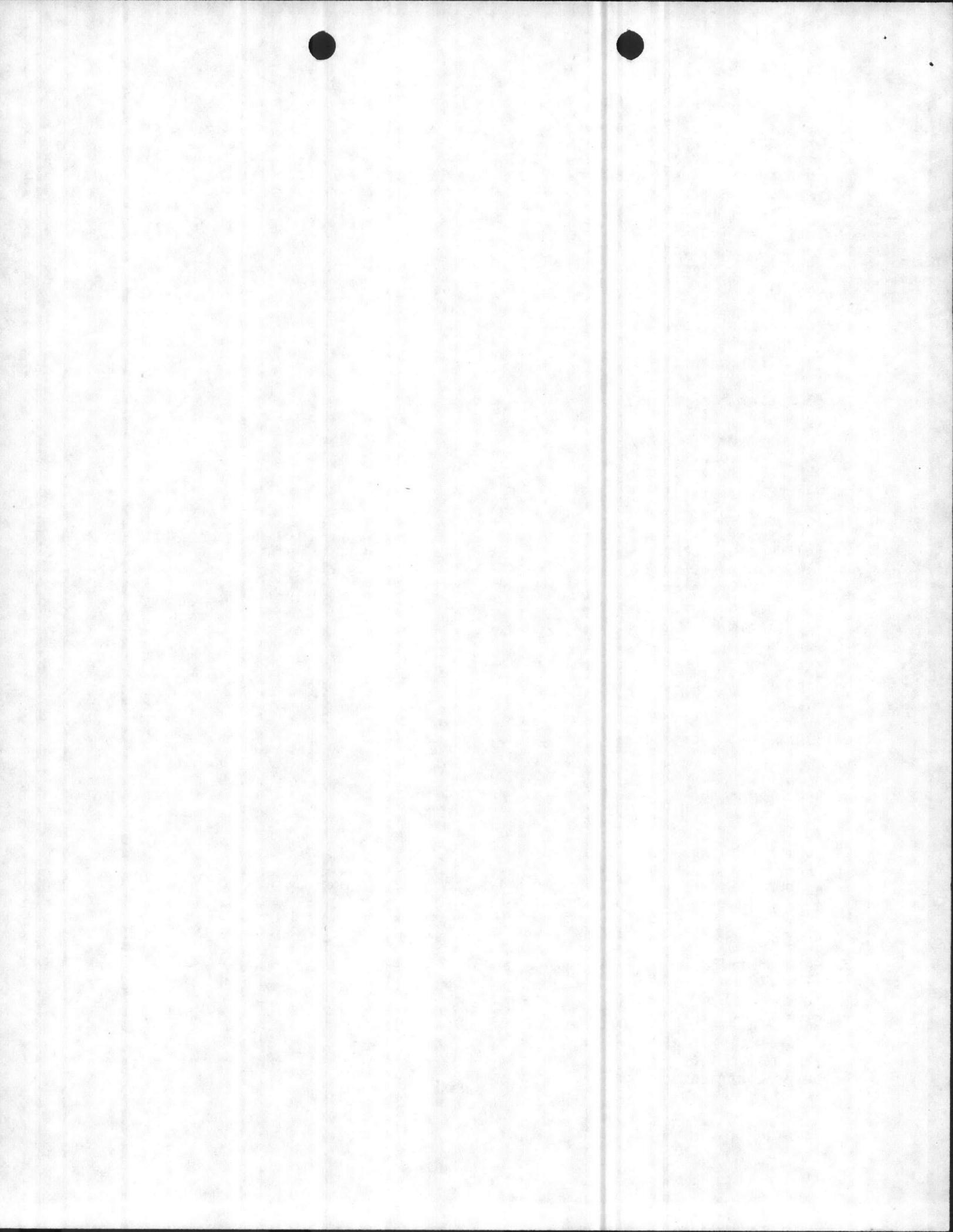
52 Area Lighting

54 Communication:  
25 pr cable  
4" PVC  
4" PVC TV

58 Heat Distrib.

60 Sanitary Sewer

62 Water Distribution



64 Fuel Distribution  
Location?  
Pumps (quantity)  
Diesel? Gas?  
Tank size?  
2-6000 gal?  
Fiberglass?

74 Parking:  
Curb?  
Gutter?

75 Sidewalks

78 Storm Drainage

79 Site Earthwork  
Disposal?

80 Borrow from where?

81 Topsoil/seed?  
Any borrow?

85 Fencing:  
(a) Chainlink?  
(b) Height?  
(c) Barbed wire?  
(d) Gates?  
Slide?  
Swing?

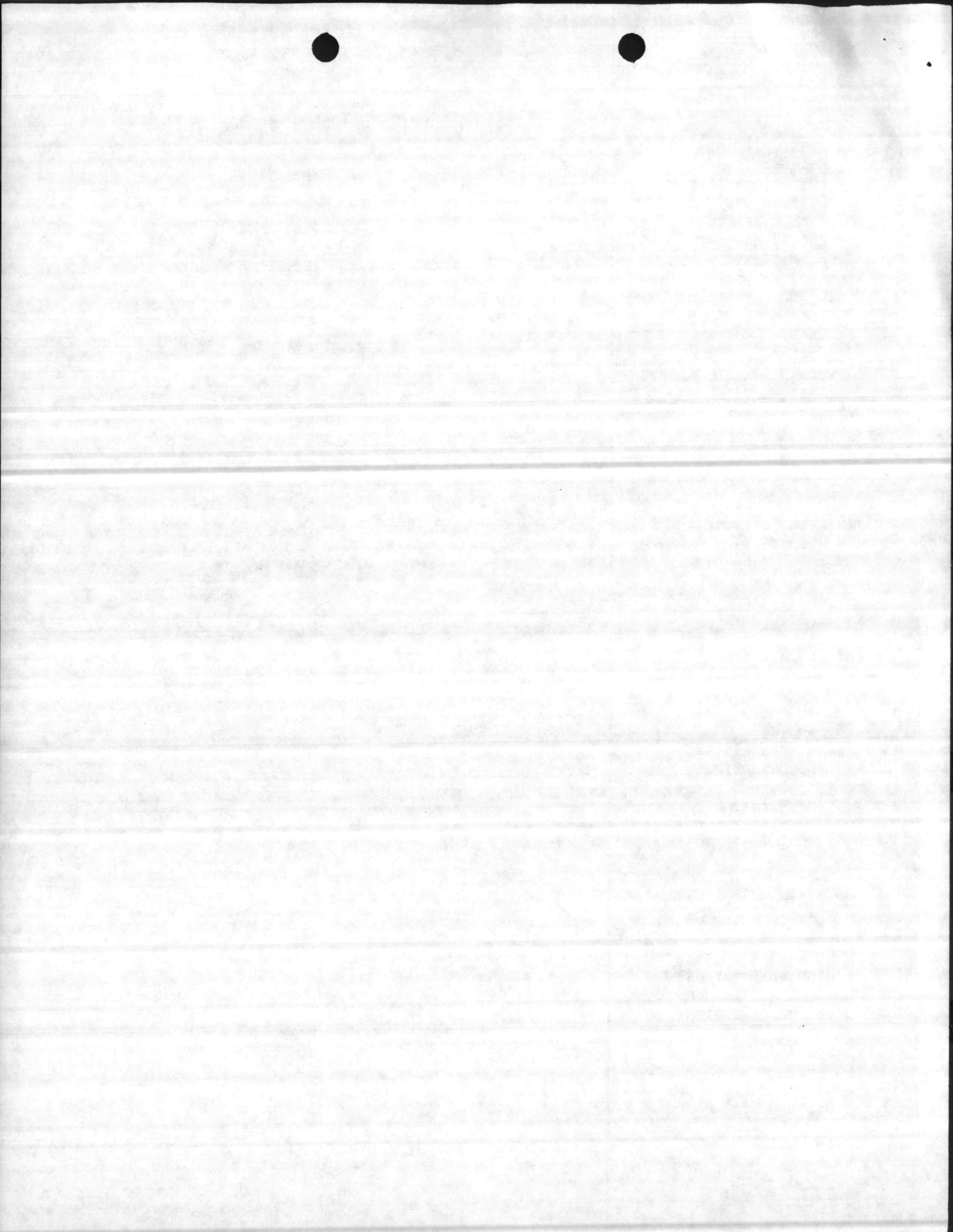
88 Piling

Noise & Acoustics?  
High noise areas?

Occupant Personnel  
Load  
P-167  
P-027

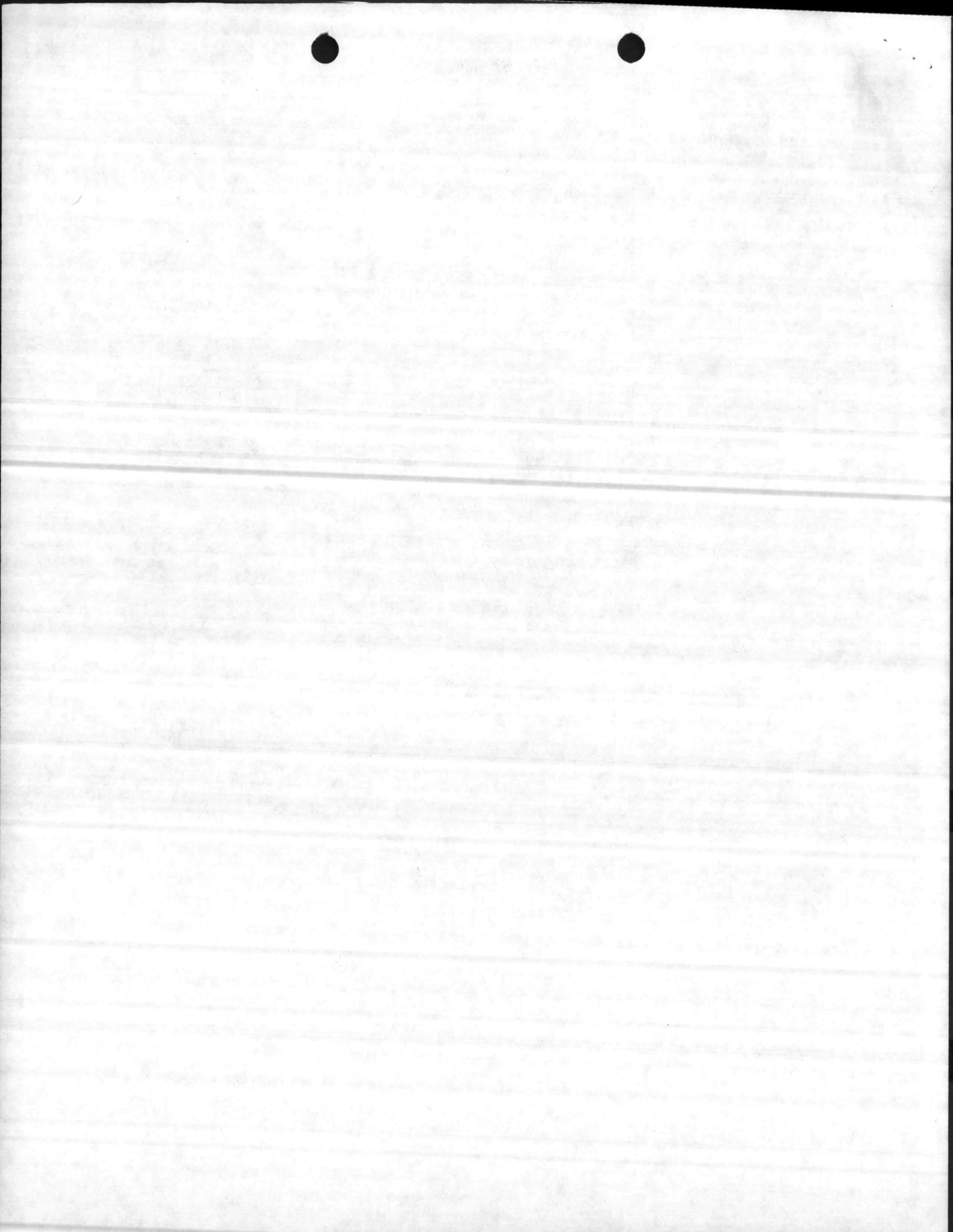
Occupancy?

Industrial



Hazard of Contents  
Low?  
Ordinary?  
High?

Paint Room



PREPROPOSAL CONFERENCE MEMORANDUM

Routing #	Initials
1	Gene <i>GH</i>
2	Larry <i>ULB</i>
3	Free <i>CE</i>
4	
5	

DATE: January 24, 1985

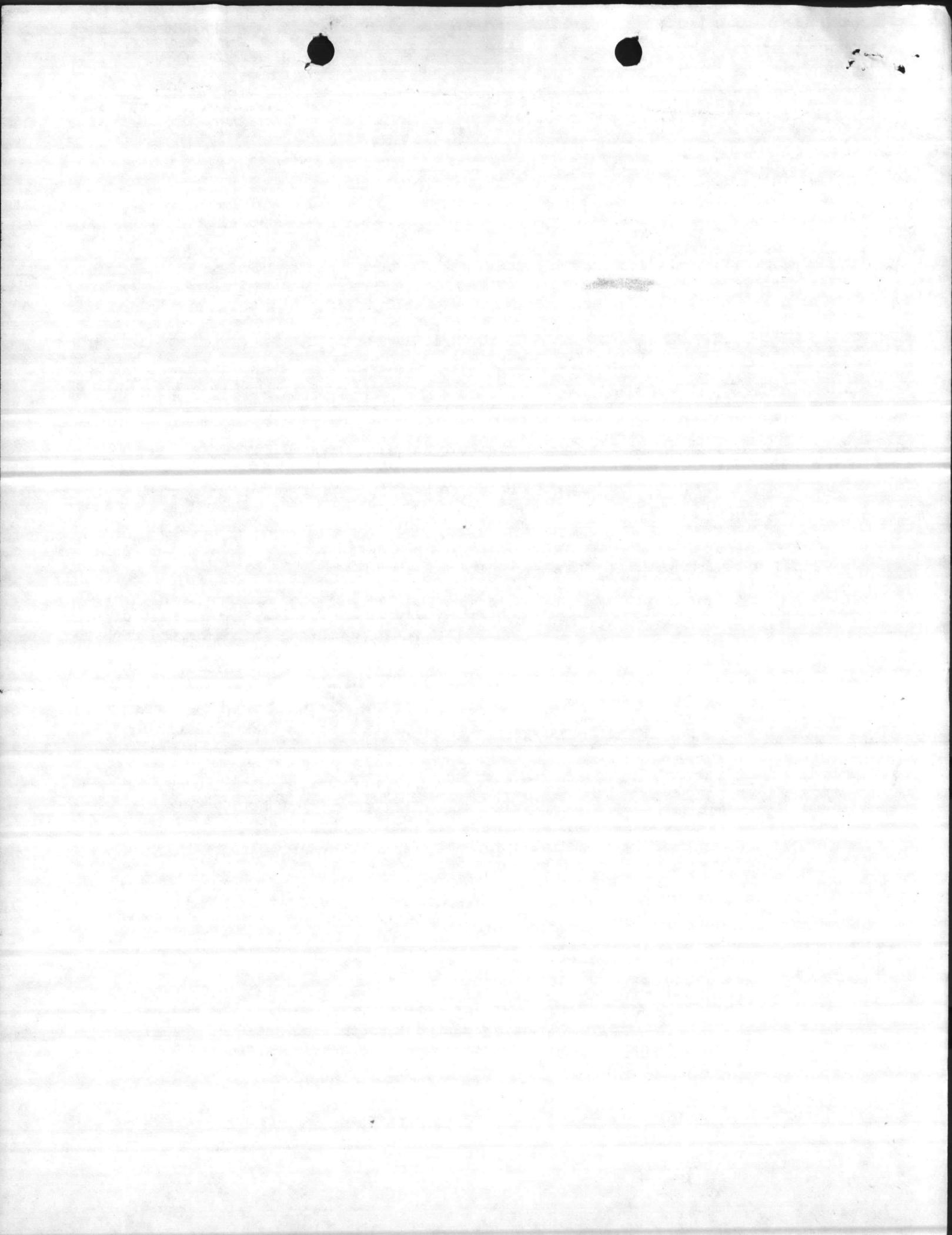
LOCATION: Building 1005  
Marine Corps Base, Camp Lejeune, North Carolina

PROJECT: Electronics Communication Maintenance Shop  
P-167  
Camp LeJeune, North Carolina

ATTENDING: See Attached "List of Attendees"

COMMENTS:

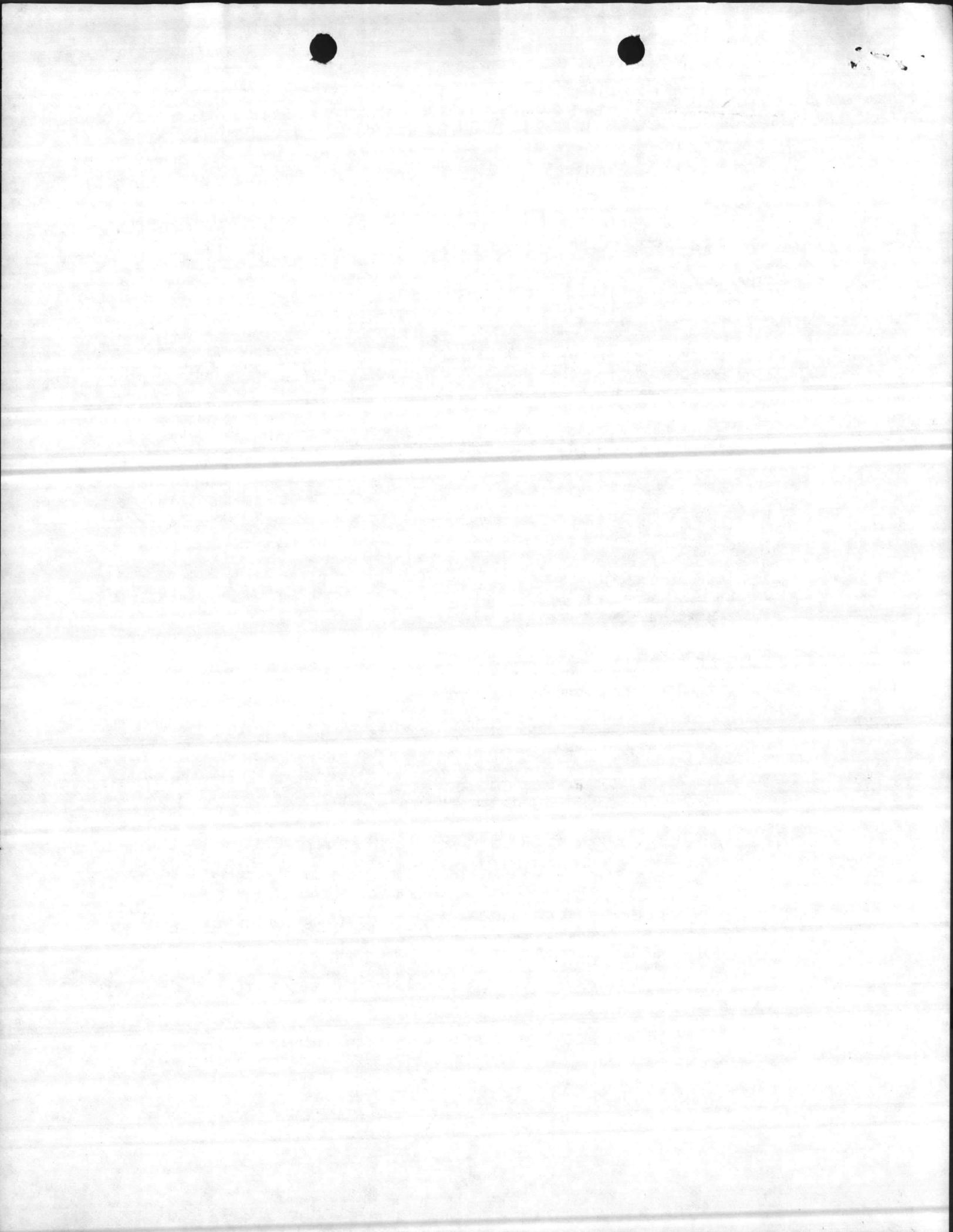
1. This is the Preproposal Conference for the Electronics Communication Maintenance Shop P-167, definitive drawing is approximately 11,725 s.f.
2. The definitive drawing is based on NAVFAC drawing 1293365 by Liles, Bissett, Carlisle and Wolff.
3. The following comments come from a cursory review of the definitive drawing by the users group (Eighth Communication Battalion).
  - a. Reduce the area labeled "crypto repair" and increase the area labeled "crypto storage"; or possibly switch the arrangement of these two spaces. There is a need for special ventilation in the crypto repair area.
  - b. There is a need for a 5 to 10 ton moveable overhead crane to travel the full length of the vehicle radio repair stall.
  - c. There has been a request by the user to install a full public address system in the building as well as an interoffice communications systems (intercom) with two (2) master stations.
4. The Project Manager for LANTDIV (Maxey Bryant) has indicated the site is shared with P-027 being reviewed and prepared by Architectural Design/Environmental Planning of Charlotte, North Carolina. This will require a full coordination effort for surveying, site, orientation, facilities layout and common access areas.
5. The user has requested outside space (rigid concrete pavement) for a total of 55 shelters in the parking apron that are covered and powered with the anticipation of 21 future shelters for operation and maintenance (total of 76). The power requirement for freestanding stanchians in this area is 400Hz and 60Hz. 40 of these shelters are approximately 8' wide x 20' long and 36 are approximately 8' and 10' long (the user supplied a layout of these shelters). The user has indicated a basic requirement for 60 POV (privately owned vehicles) and indicated that approximately 120 people will be working out of this building.



- Not needed now P-167*
6. The user has indicated the need for special ventilation in the Radio Teletype Shop because of the nature of a cleaning solvent used.
  7. In the Battery Shop, both Lithium and Nickel-Cadmium batteries will be stored. Since these two types of batteries are incompatible, there needs to be a separation between types of batteries.
  8. The user has requested a holding tank on site for storage of used cleaning fluid.
  9. The user has indicated a need for site storage of approximately 70 field generators requiring concrete pads, the approximate size of this pad would be 166' long x 20' wide.
  10. Currently only six (6) of the 120 people are female, however, it has been requested by Public Works Division that a 20% figure be anticipated for female users.
  11. The user has indicated a need for compressed air at each and every technical work station throughout shop spaces.
  12. User requests heating and air conditioning in the entire shop except for the vehicle radio repair stalls. This item will need to be evaluated with Gene Jones with regard to the mission of the Eighth Communication Battallion.
  13. An approximate summary of the site storage requirements (based on the above requirements) is 3,000 sq. yds. of concrete paving and 4,000 sq. yds. of flexible (asphalt type) pavement.
  14. The user has indicated an additional need for 2,000 kw. of external power requirements for servicing of stored vehicles. (This is in reference to the communication van stored on site.)
  15. User has indicated a need for exterior lighting (security) for the total secured parking area.

At this point, Tom Turner and Bob Dulin of ADEP were invited in to talk about site coordination between P-027 and P-167.

- a. There is a common dispatcher for both buildings and sites.
  - b. The second primary consideration is that many of the vehicles stored for service in P-167 are also needed to be stored for P-027, in fact, both buildings are for Communications Eighth Battallion and vehicle maintenance Eighth Battallion. There has been an indication of a shared common storage area for secure vehicles.
16. The user has indicated the need for 28 volt direct current at every work station.
  17. Base Telephone Communications Officer indicated the requirement of two (2) 4" conduits running into the building, one (1) for telephone communications and the other is a spare.

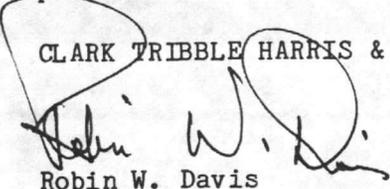


18. The User has indicated the need for a #6 ground to the building, a special earth ground, possibly a bus bar horizontally run continuous in all work stations.
19. There is a need for radio frequency shielding in the technical shops  
The user requested the entire smart tech shop be shielded.
20. Primary power for this facility will be underground.
21. There is a need for a 100 kw 400 Hz converter for external use.
22. There is a need or a potential for hazardous material waste storage, not plumbed separately from the sanitary drainage for the building.
23. The user has requested conduit for Base Cable Television, for training and other base generated videos.

Conclusion:

Due to the intense requirement, for coordination of site work and building requirements between A&E firms between P-027 and P-167, the LANTDIV Project Manager has indicated they would request this entire project be done by one (1) A&E firm. Considering this requirement, the LANTDIV Project Manager has requested the A&E submit all wage and overhead data and the preproposal conference memorandum. The A&E shall wait for LANTDIV authorization to proceed with the cost model or the preparation of the fee proposal.

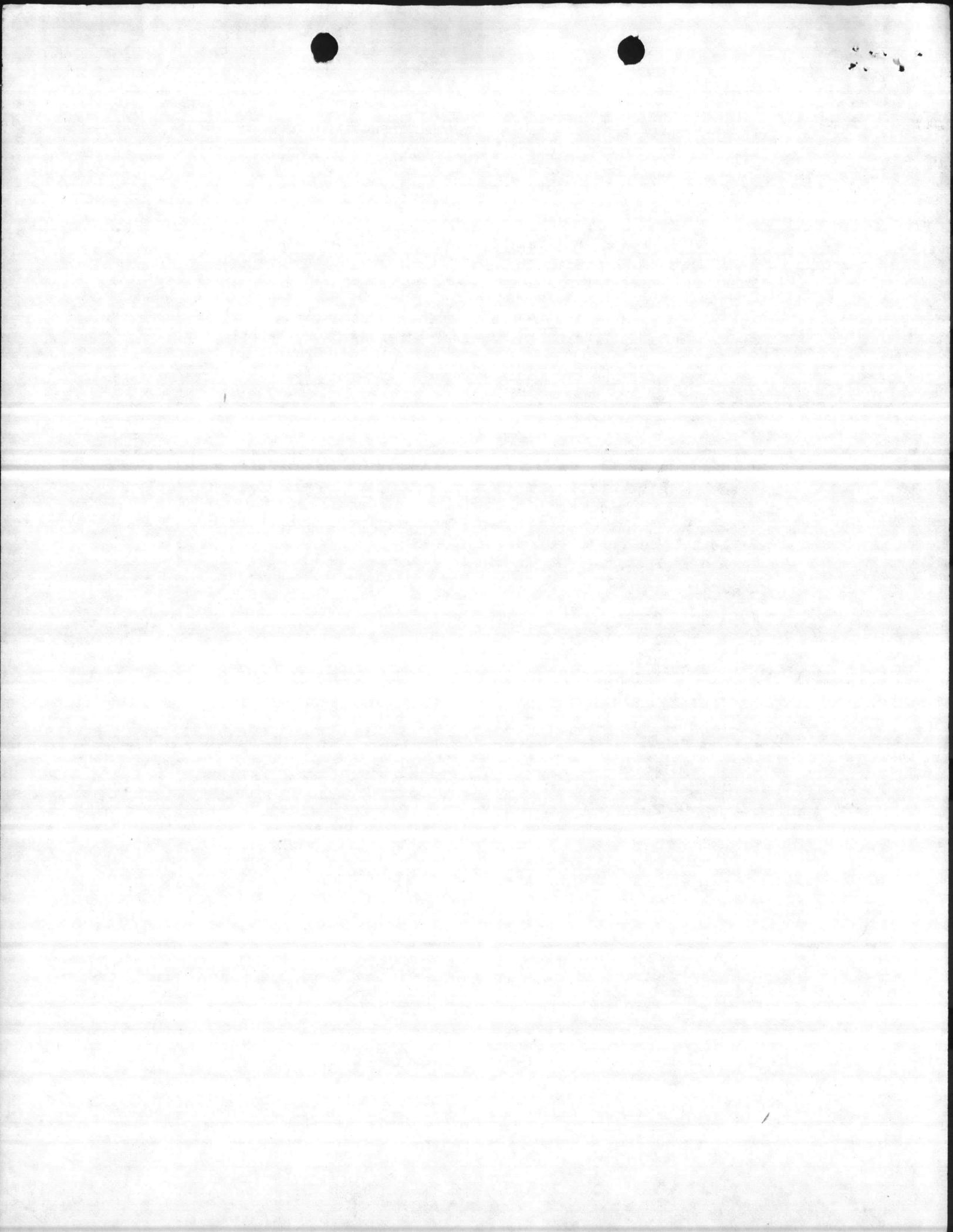
CLARK TRIBBLE HARRIS & LI ARCHITECTS, P.A.

  
Robin W. Davis

/kg

cc: Mr. Maxey Bryant  
Mr. Gene Jones  
Mr. Gary Colehamer

585101-000



REPORT OF CONFERENCE

DATE:

LOCATION: Bldg. 1005, Public Works, MCB, CLNC

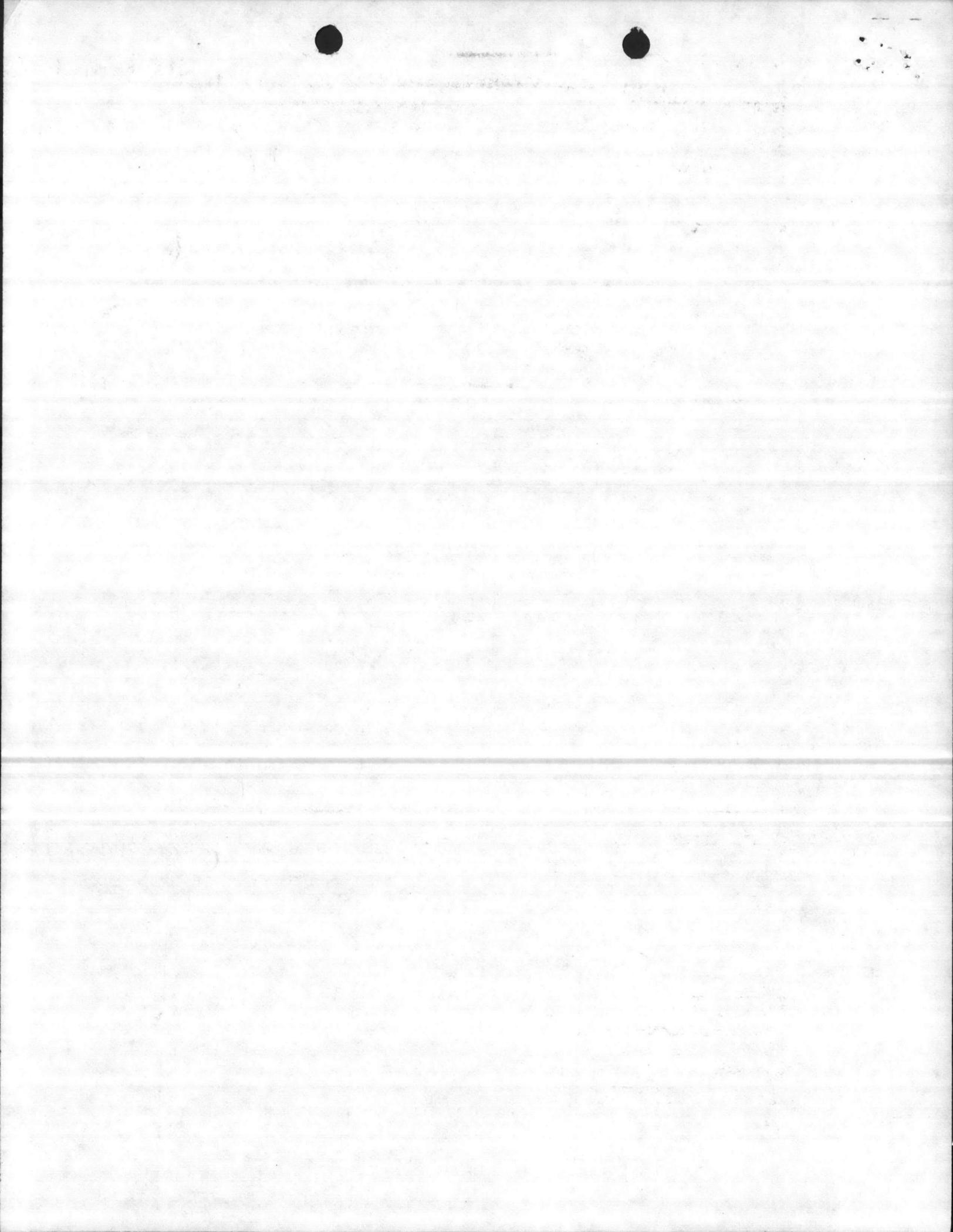
TIME & DATE: 24 Jan 85 0900

SUBJECT: ELEC/COMM MAINTENANCE SHOP P-167

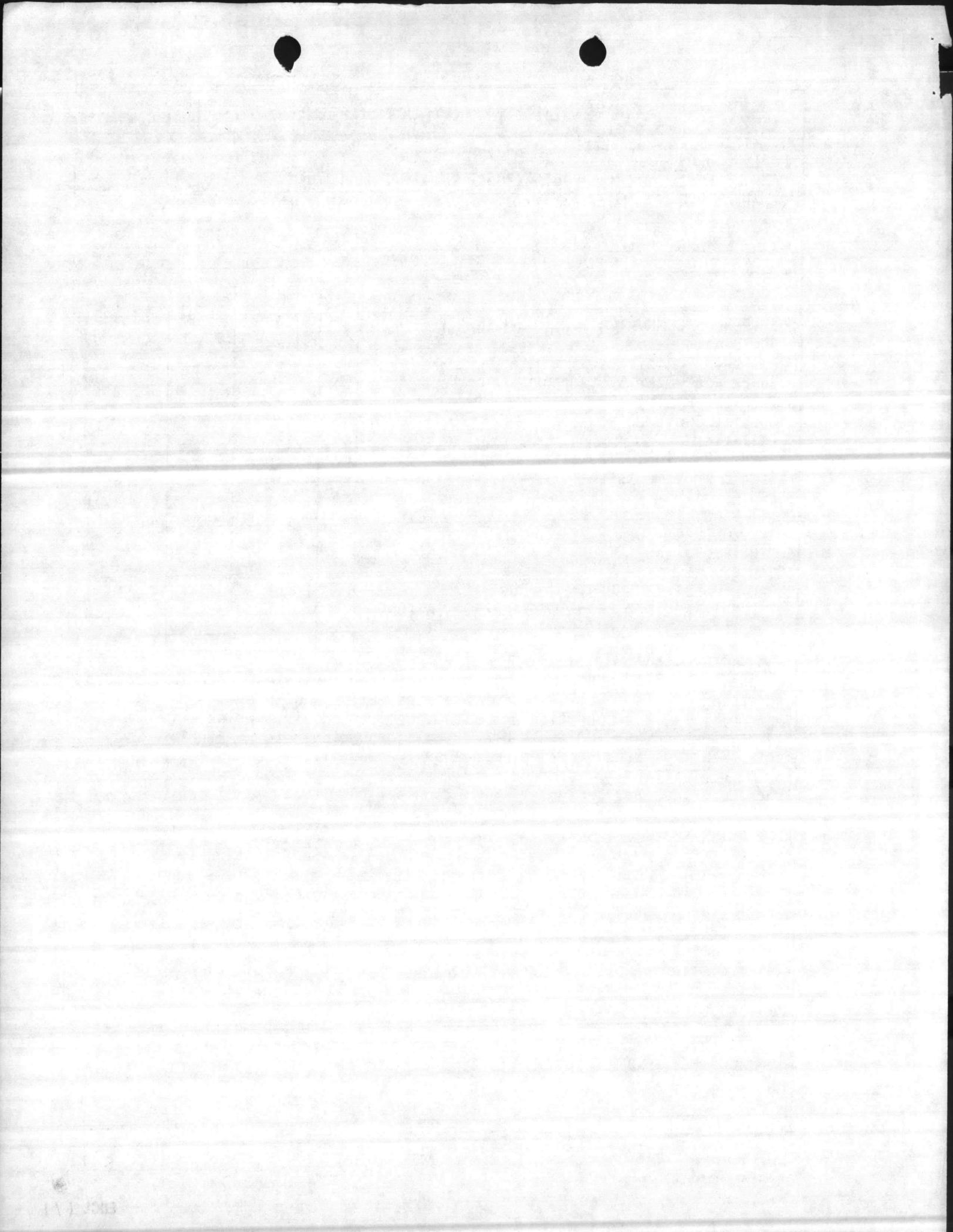
PURPOSE: PRENEGOTIATION MEETING

LIST OF ATTENDEES

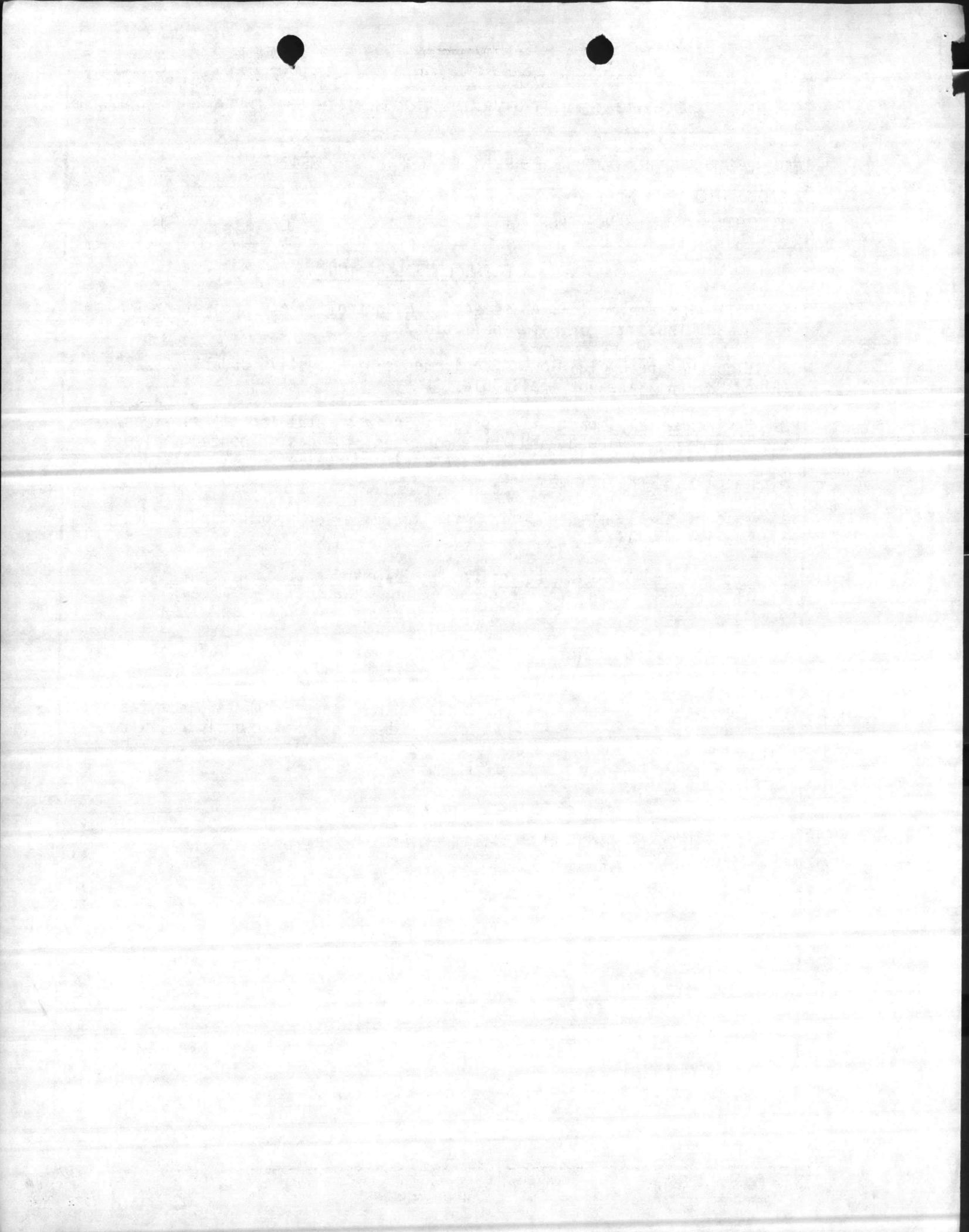
NAME	RANK	TITLE	ORGANIZATION	TELEPHONE NO.
LARRY BRANT	CIV	PLANNER	Public Works CLNC	(919) 451-1833
ROBIN DAVIS	CIV	ARCH/CE	CTHL ARCHITECTS	(704) 333-6686
Phillip J. ANTIS, JR.	CIV	Vice Pres.	"	"
JONES EG	CIV	PL BR Mgr	PWD, CLNC	919-451-1833
NUNNERY, W. D.	ISLT.	CEMO	8th Comm Bn CLNC	484-3661/1866
PELFREY, D.G.	CAPT	SY	8th COMM BN	2730/1622
BARNEAU, R.L.	CWO-4	MMO	8th Comm Bn	3486
D.B. FISHER	M6y Sgt	COM Maint Chief	8th Comm Bn	3661/1866
MAXEY L. BRYANT	CIV	PROJ MGR	LANTNAVFAC	(804) 444-9670
GARY COLEHAMMER	CIV	ARCHITECT	LANTDN	(804) 444-9969
Hotsenpiller, Jim T	CIV	Tel Forman	Base Telephone	(919) 451-2941
F.W. ESTES, JR	CIV	Planning Engr.	PWD, CLNC	919-451-1833



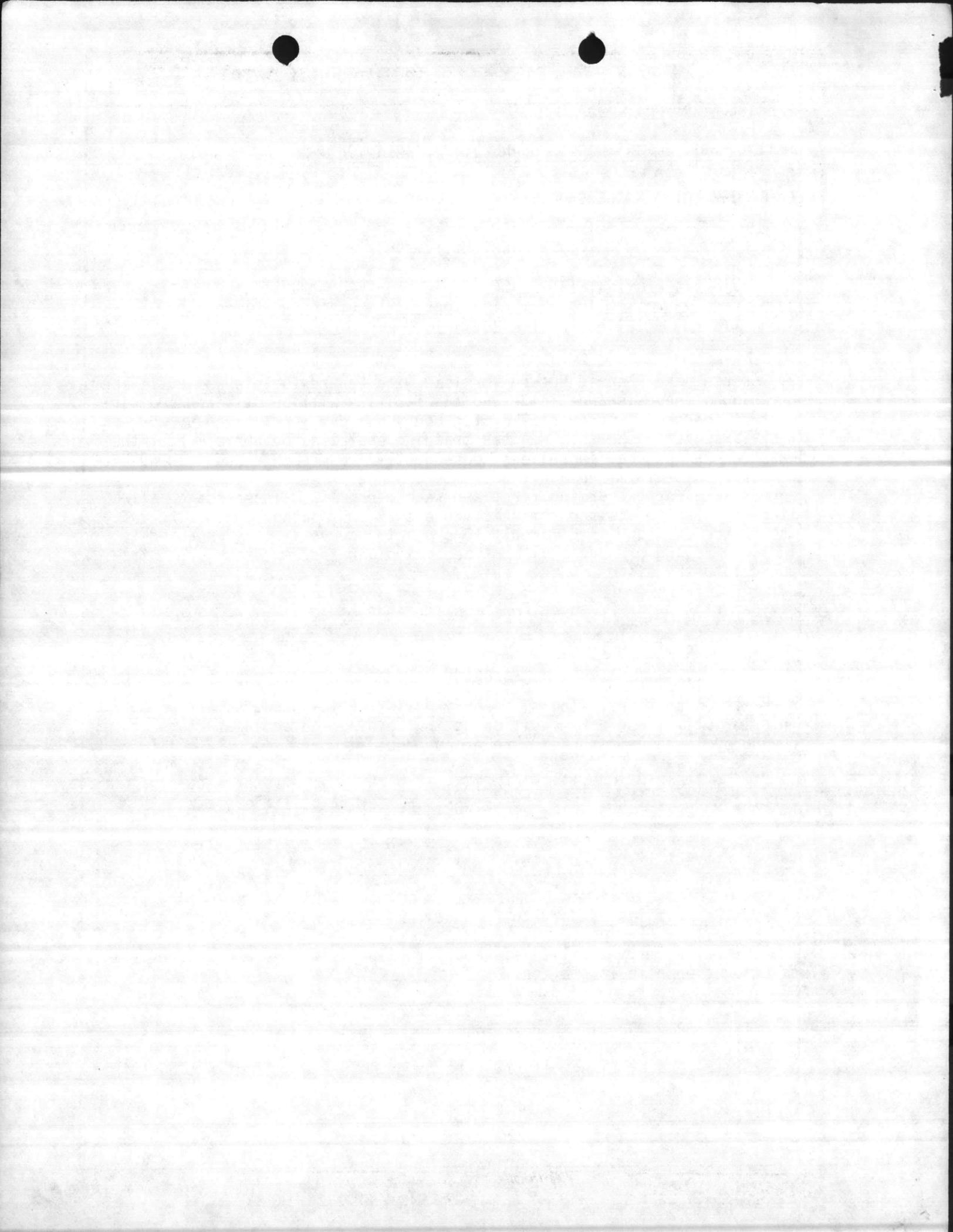
1. COMPONENT NAVY		FY 19 <sup>87</sup> MILITARY CONSTRUCTION PROJECT DATA			2. DATE 15 Jun 84	
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA 28542				4. PROJECT TITLE ELEC/COMM MNT SHOP		
5. PROGRAM ELEMENT		6. CATEGORY CODE 217-10	7. PROJECT NUMBER P-167		8. PROJECT COST (\$000) 1,400	
ESCALATED TO APRIL 1987				9. COST ESTIMATES		
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP		SF	11,725	96.88	1,136	
Building		SF	11,725	77.76	(912)	
Built-in Equipment		LS	-		(193)	
Solar Hot Water System		LS	-		(31)	
SUPPORTING FACILITIES					170	
Special Construction Features		LS	-		(21)	
Utilities		LS	-		(59)	
Roads, Parking, Sidewalks		LS	-		(75)	
Site Improvements		LS	-		(15)	
SUBTOTAL					1,306	
CONTINGENCY (5%)					65	
TOTAL CONTRACT COST					1,371	
SUPERVISION, INSPECTION & OVERHEAD (5.5%)					75	
TOTAL REQUEST					1,446	
TOTAL REQUEST (ROUNDED)					1,400	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS						
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, 60/400 cycle electrical; grounding, etc., exterior pavements, fencing, area lighting, site work, and utilities connected are included. Fallout shelter excluded - shelters for personnel have been programmed in other projects. ( 38 tons air conditioning)</p>						
<p>REQUIREMENTS: 46,185 SF. ADEQUATE 9,750 SF SUBSTANDARD 0 SF  PROJECT: Construct an electronics and communications maintenance shop for a Communications Battalion of the 2d Force Service Support Group.  REQUIREMENT: A maintenance facility to effectively execute the prescribed electronics and communications maintenance program.</p>						
<p>CURRENT SITUATION: The maintenance program is being carried out in sub-standard masonry-type WWII buildings and Butler-type metal buildings constructed in 1952 during the Korean campaign. The facilities are inadequate as electronics/communications shops for use in the maintenance of the modern sophisticated equipment in use today and cannot be economically rehabilitated.</p>						
<p>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>						
EGJ						



1. COMPONENT NAVY	FY 19 <del>87</del> MILITARY CONSTRUCTION PROJECT DATA	2. DATE 15 Jun 84
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE ELEC/COMM MAINTENANCE SHOP	5. PROJECT NUMBER P-167	
<p style="text-align: center;"><u>SPECIAL CONSIDERATIONS</u></p> <ol style="list-style-type: none"> <li>1. <u>Pollution Prevention, Abatement, and Control</u>: This project will not cause additional air or water pollution.</li> <li>2. <u>Flood Hazard Evaluation</u>: Requirements of Executive Order No. 11296 (Flood Hazards) are not applicable.</li> <li>3. <u>Environmental Impact</u>: The project Environmental Impact Assessment has been made, reviewed, and where required, the design concepts give consideration to eliminating adverse environmental effects consistent with applicable directives.</li> <li>4. <u>Fallout Shelter Construction</u>: Fallout shelter protection is incorporated in the facility.</li> <li>5. <u>Design for Accessibility of Physically Handicapped Personnel</u>: Provisions for physically handicapped personnel are not required in this facility.</li> <li>6. <u>Use of Air Conditioning</u>: Ceiling "U" factors will be made to conform with DOD 427G.1-M.</li> <li>7. <u>Preservation of Historical Sites and Structures</u>: The project facility 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.</li> </ol>		



1. COMPONENT		FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
NAVY		FY-1987		15 Jun 84	
3. INSTALLATION AND LOCATION					
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542					
4. PROJECT TITLE				5. PROJECT NUMBER	
ELEC/COMM MAINTENANCE SHOP				P-167	
<u>FACILITY STUDY</u>					
<p>1. <u>Project</u>. Provide 11,725 SF of electronics/communications maintenance shop for electronics and communications T/E equipment assigned to Communication Battalion for the 2d Force Service Support Group.</p> <p>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 first and second 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.</p> <p>3. <u>Description of Proposed Construction</u>.</p> <p style="padding-left: 2em;">a. <u>Type of Construction</u>.</p> <p style="padding-left: 4em;">(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.</p> <p style="padding-left: 4em;">(2) Rigid and flexible walks and parking pavements, security fencing and lighting, site improvements, exterior utilities, etc.</p> <p style="padding-left: 2em;">b. <u>Replacement</u>. Not applicable. Existing facilities will be temporarily utilized to satisfy deficiencies until new facilities are constructed.</p> <p style="padding-left: 2em;">c. <u>Description of Work to be Done</u>.</p> <p style="padding-left: 4em;">(1) <u>Primary Facilities</u>. Modular reinforced concrete/masonry structures on pile foundation.</p> <p style="padding-left: 6em;">(a) <u>Support Facilities</u>. Rigid and flexible pavements, security fencing and lighting, utilities, and site improvement.</p> <p style="padding-left: 4em;">(2) <u>Energy Conservation</u>. Energy efficient equipment and building orientation for maximum energy conservation will be utilized.</p>					



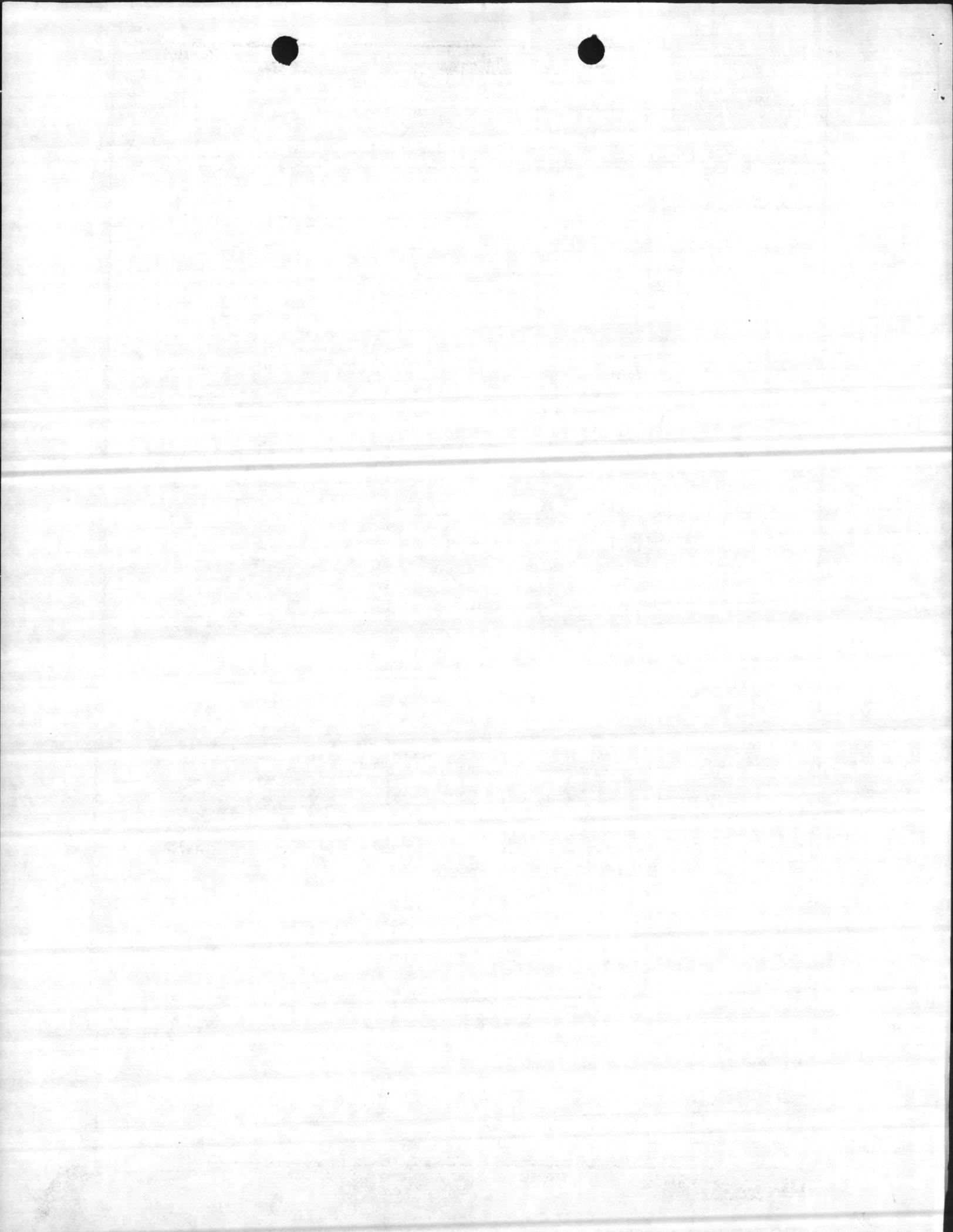
1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 15 Jun 84
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE ELEC/COMM MAINTENANCE SHOP	5. PROJECT NUMBER P-167	

(3) Collateral Equipment.

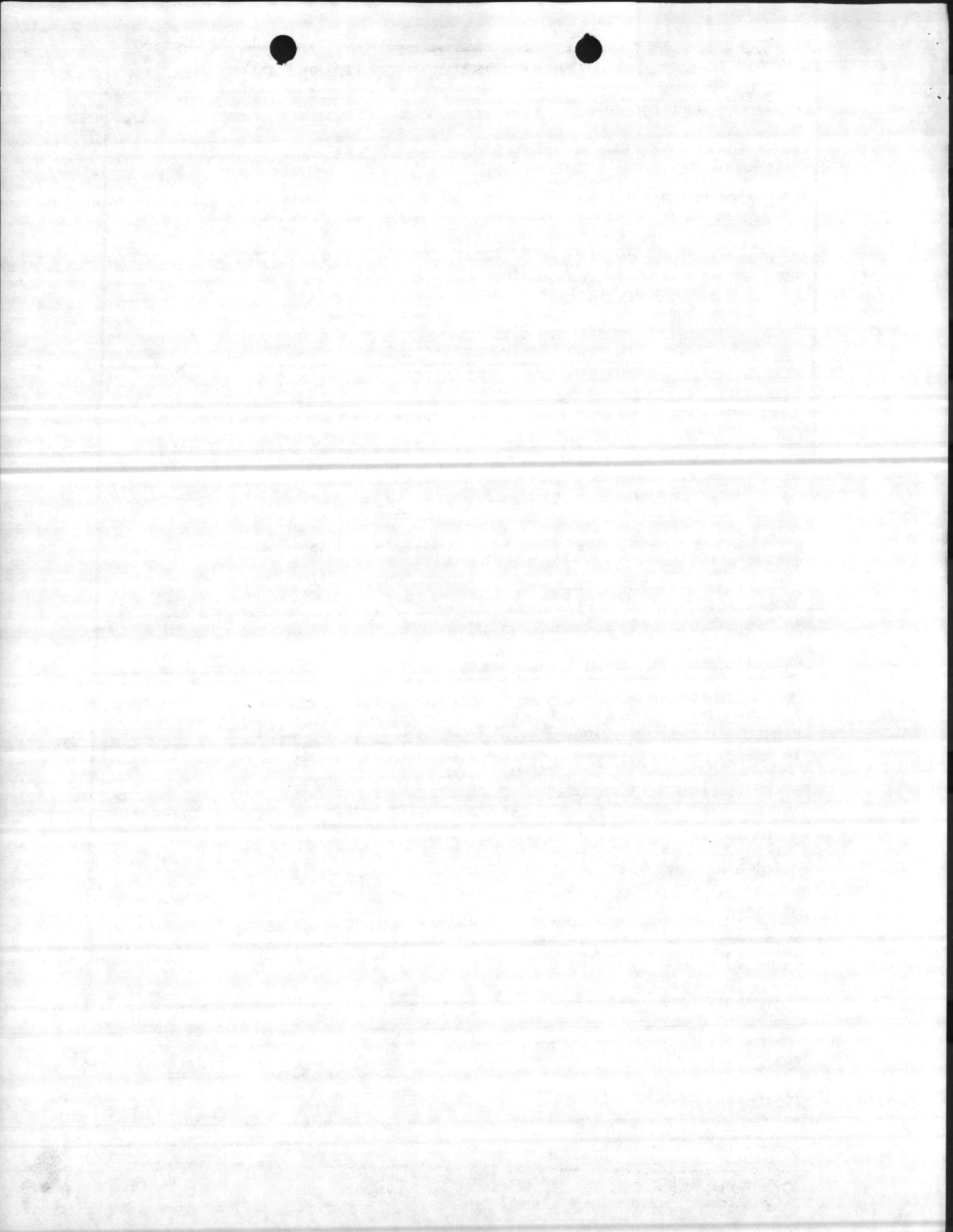
(a) Built-in (MCON Funded)

Description

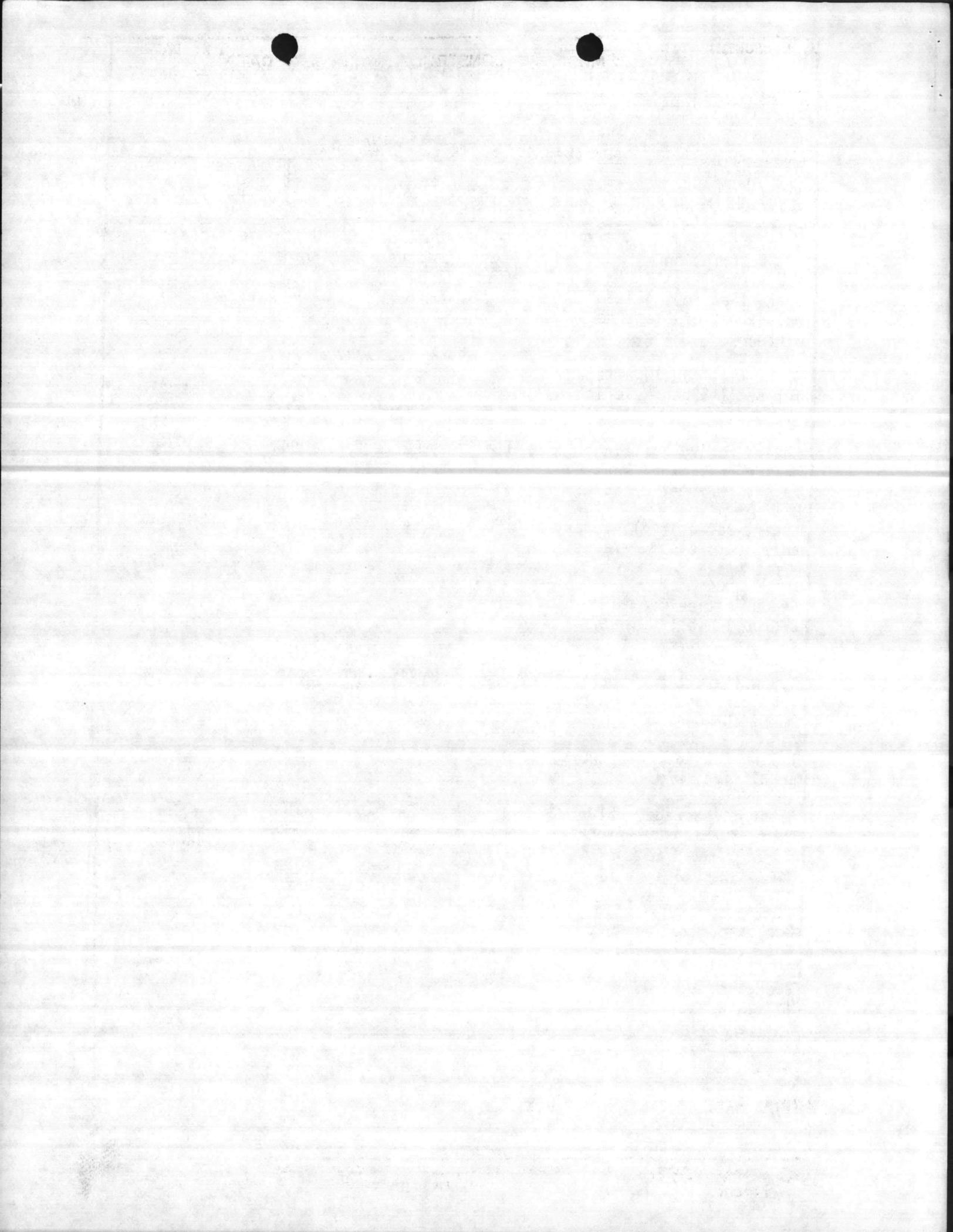
- \*Air Conditioning, Heating & Ventilating Systems
- \*Plumbing System & Steam System (Interior)
- \*Compressed Air System
- \*Sprinkler System
- \*Telephone, Fire Alarm & Intercom Systems
- \*Drinking Water Coolers
- \*Lockers, Wall Mounted
- \*Locker-room benches, 6' long
- \*Chalkboards, Wall Mounted
- \*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



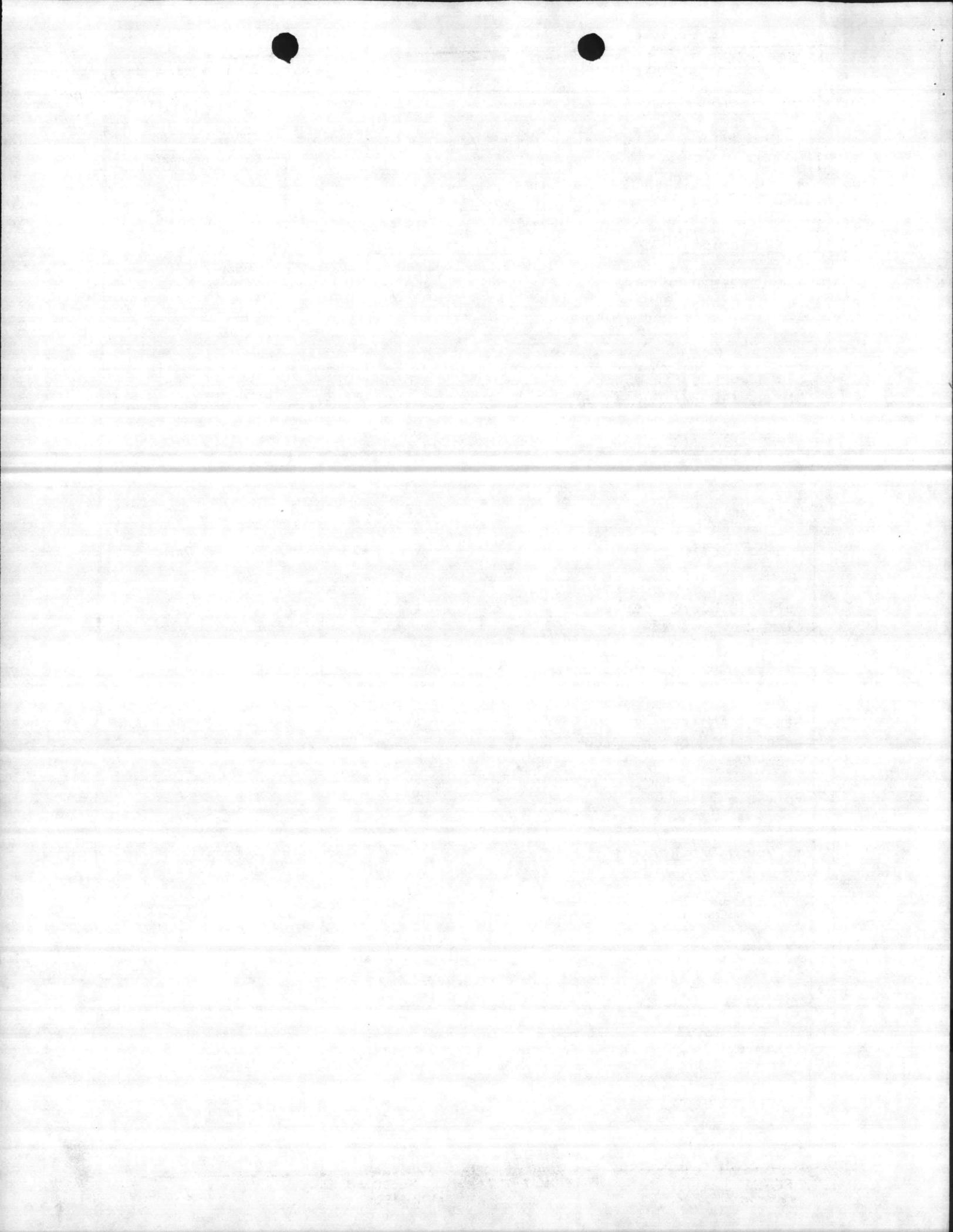
1. COMPONENT  NAVY	FY 1982 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 15 Jun 84		
3. INSTALLATION AND LOCATION  MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542				
4. PROJECT TITLE  ELEC/COMM MAINTENANCE SHOP		5. PROJECT NUMBER  P-167		
<p>*Pass Window, 4' wide, w/counter &amp; "B" label roll down shutter (w/ fusible link)</p> <p>*60/400 Cycle Electrical System with AC/DC Power Bus Bar and transformers</p> <p>*Equipment with associated installation cost.</p>				
(b) <u>Expense Items</u>				
<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	18	EA	\$225	\$4,050
Benches, work, portable, 72"x28"x34"H	12	EA	340	4,080
Benches, work, stationary, 28"Dx34"H, stl top, std, lead covered in btry shop	16	EA	375	6,000
Parts Bins, adj shelving 14"x24"D	6	EA	75	450
Grinder, bench, 7" w/ buffer wheel	1	EA	385	385
Parts Rota Bins, 3' dia. multi-bin	16	EA	360	5,760
Charger, battery, 12V, 24V, 36V selenium type; battery tester, 12V, 24V, 36V, 2.2KW, 110/220V	4	EA	550	2,200
14"W shelving w/adj stds	24	EA	120	2,880
12"W shelving w/adj stds, 6 shelves, 36"W & 84"H	24	EA	90	1,080
Desk, flat top, dbl ped, 50"x30", walnut pattern top, no overhang	3	EA	315	945



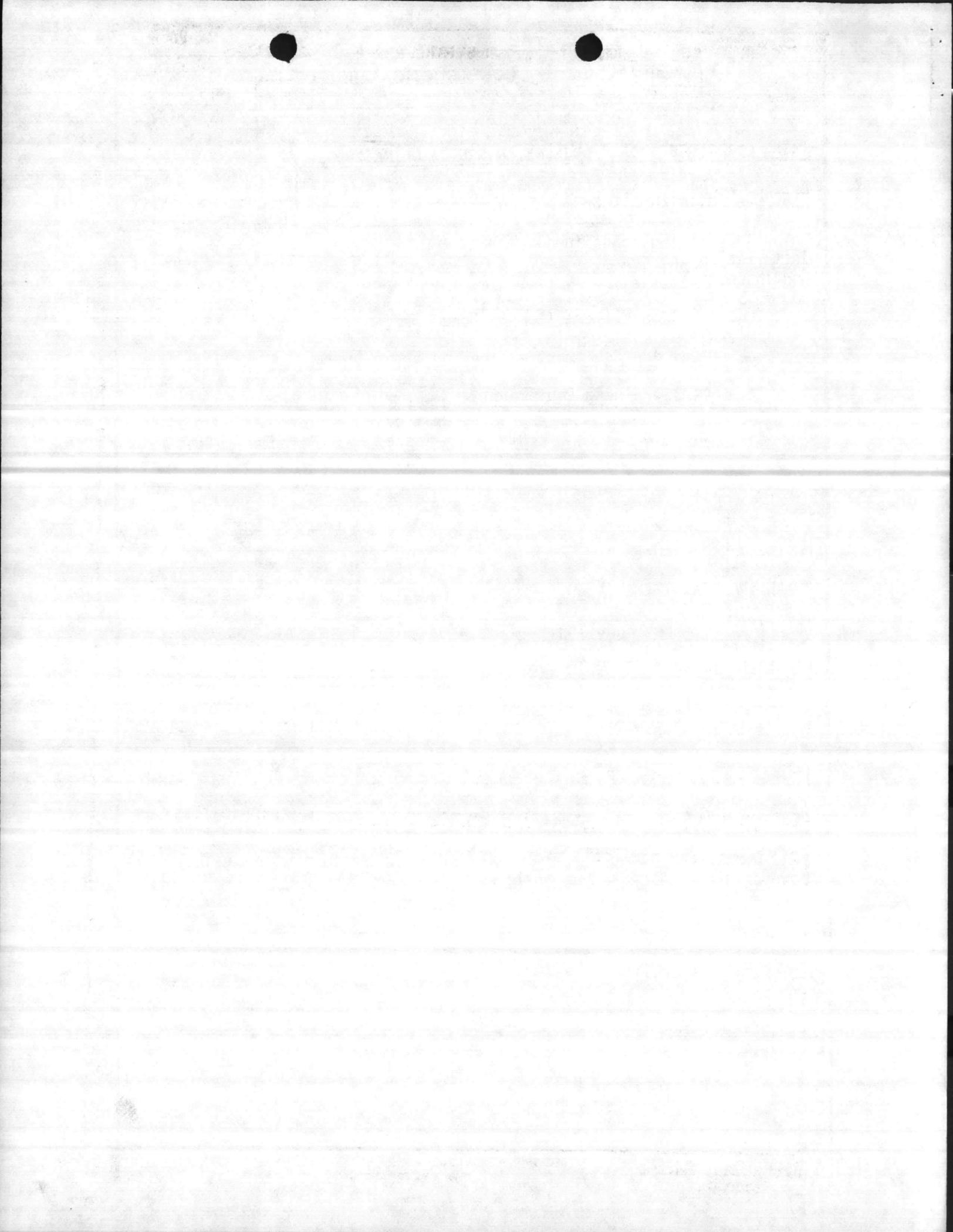
1. COMPONENT  NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 15 Jun 84		
3. INSTALLATION AND LOCATION  MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542				
4. PROJECT TITLE  ELEC/COMM MAINTENANCE SHOP		5. PROJECT NUMBER  P-167		
<u>Description</u>	<u>Qty</u>	<u>Unit of Issue</u>	<u>Unit Price</u>	<u>Total Cost</u>
Desk, flat top, 45"x30" walnut pattern top, no overhang	8	EA	240	\$1,920
Desk, flat top, w/attach for sec'l & gen. clerical purposes	8	EA	275	2,220
Chair, rotary, tilting seat & back, adj. seat height, w/arms, w/casters	11	EA	94	1,034
Chair, secretarial, rotary adj. seat height, w/arms, w/casters	14	EA	70	980
Stand, office machine 2 drop leaves, walnut pattern top, w/casters	6	EA	66	396
Typewriter, IBM electric 13½" carriage, carbon ribbon, 10 pitch Model 833	6	EA	710	4,260
Filing Cabinet, 5 drawers, legal size, w/o lock	8	EA	220	1,760
Cabinet, storage, dbl door, 36"x18"x80-1/16"H	10	EA	190	1,900
Bookcase, base, 33"x13" x10"H	12	EA	20	240
Bookcase, section, w/o doors, 31"x12"x14"H	48	EA	40	1,920
Bookcase, top, 33"x13"x2½"H	12	EA	20	240
Chair, straight, w/o arms	36	EA	70	2,520
Costumer, wearing apparel, contemporary, 4 dbl hooks, round pole w/rd base	12	EA	35	420



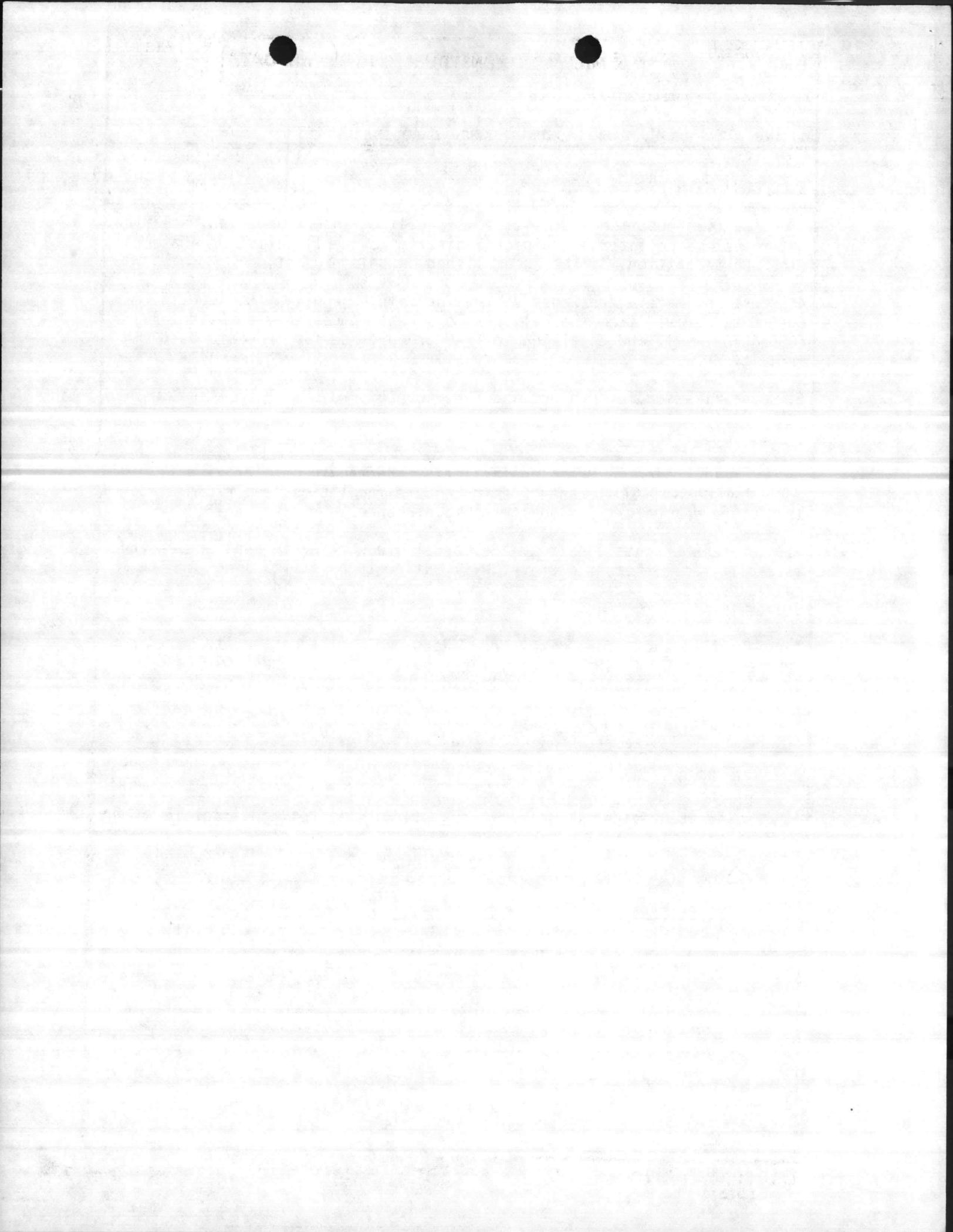
1. COMPONENT NAVY		FY 1987 MILITARY CONSTRUCTION PROJECT DATA FY-1987		2. DATE 15 Jun 84	
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542					
4. PROJECT TITLE ELEC/COMM MAINTENANCE SHOP				5. PROJECT NUMBER P-167	
<u>Description</u>	<u>Qty</u>	<u>Unit of Issue</u>	<u>Unit Price</u>	<u>Total Cost</u>	
Rack, wearing apparel contemporary, 6 metal hangers, 78"Hx30"Lx20"D at base	8	EA	85	\$ 680	
Wastepaper Basket, dark brown, 14½"Hx13" dia top	24	EA	6	144	
Draperies	5	PR	74	370	
Draperies, blackout	4	PR	95	380	
Desk Lamp	24	EA	45	1,080	
Adding Machine, Monroe Model 1405	6	EA	290	1,740	
Bulletin Board, cork, alum frame, 4'x6'	8	EA	65	520	
Table, gen. purpose, 60"x30"x29½"H	6	EA	105	630	
Student Chairs, Heywood Wakefield Model HC-7730-PABS-PP	42	EA	70	2,940	
Portable Easel	3	EA	85	255	
Bench, work, electronic, 120/220V, 60 cycle & 400 cyc., 28V	12	EA	1,450	17,400	
Rack, security, for mechanics' tool boxes, 24 openings	3	EA	2,000	6,000	
Extinguisher, fire, 15 lb., CO <sub>2</sub>	12	EA	85	1,020	
Extinguisher, fire, 2½ gal. H <sub>2</sub> O	12	EA	40	480	
TOTAL EXPENSE ITEMS				81,259	



1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 15 Jun 84		
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542				
4. PROJECT TITLE ELEC/COMM MAINTENANCE SHOP		5. PROJECT NUMBER P-167		
Shipping, Packing, Handling Installation Charges & Contingencies - 10%		8,126		
(c) Investment Items: None				
(d) <u>APA Equipment</u> - None				
(e) <u>Training Equipment</u>				
<u>Description</u>	<u>Qty</u>	<u>Unit of Issue</u>	<u>Unit Price</u>	<u>Total Cost</u>
Movie Projector	2	EA	630	1,260
Movie Screen	2	EA	120	240
Overhead Projector	2	EA		824
TOTAL TRAINING ITEMS				\$ 2,324
Shipping, Packing, Handling, Installation Charges & Contingencies - 10%				232
(f) <u>Equipment on Hand</u> - None				
(g) <u>Summary</u>				
Expense Cost (O&MMC)				89,617 + 15%
Training Cost (O&MMC)				2,324
TOTAL				\$ 91,941



1. COMPONENT		2. DATE	
NAVY		15 Jun 84	
FY 1987 MILITARY CONSTRUCTION PROGRAM DATA		FY-87	
3. INSTALLATION AND LOCATION			
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542			
4. PROJECT TITLE		5. PROJECT NUMBER	
ELEC/COMM MAINTENANCE SHOP		P-167	
<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, N. C. is 0.95. Cost data derived from the Military Construction Cost Review Guide, FY-82 (DOD 4270.1-CG), and escalated to FY-87 to provide for this proposed facility.</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 Communication Battalion adequate and secure facilities to perform electronic and communications equipment maintenance.</p> <p>(2) <u>Current Situation.</u> Personnel are working in substandard and makeshift facilities, temporary WW-II Butler type metal buildings with open bays and oil space heaters and no heads, located in the Hadnot Point area.</p> <p>(3) <u>Impact if Not Provided.</u> Personnel will continue to work in substandard 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, 11,725 SF, is the minimum size facility that can meet the deficiency requirement for the electronic/communications maintenance needs of the Communication Bn 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 \$4,072 per year in increased O&amp;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 **NAVY** **FY 1987** **MILITARY CONSTRUCTION PROJECT DATA** 2. DATE **15 Jun 84**

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE

ELEC/COMM MAINTENANCE SHOP

5. PROJECT NUMBER

P-167

Utility Requirements

a. Electricity	Consumption	40,166	KWHR/yr
	Peak Demand	25	KW
	Avg Demand	23	KW
b. Steam	Consumption	1,801,633	lbs/yr
	Demand	645	lbs/hr
c. Coal		70.4	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 encl (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.

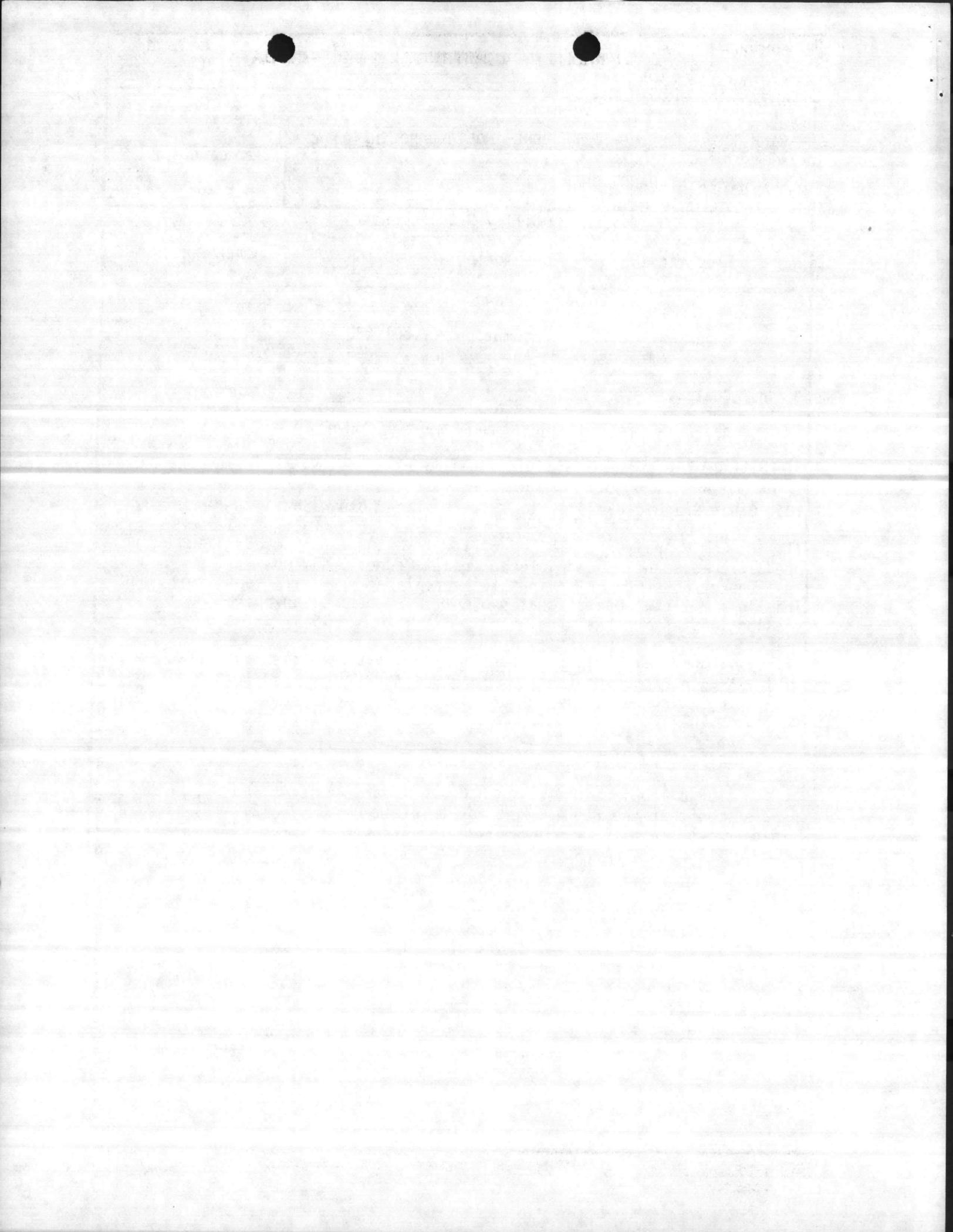
12. Environmental Impact Assessment. An environmental impact assessment of the area has been made and it has been determined that this project will have neither a significant impact on the environment nor is it highly controversial.

13. Quantitative Data.

a. BFRL Requirement. French Creek Area (EA) is 46,185 SF. NAVFAC P-80 states that the requirement for this category code (217-10) is determined from definitive drawings given in NAVFAC P-272, Part IV.

<u>NAVFAC DWG #</u>	<u>ACTIVITY</u>	<u>AREA S.F.</u>	
1293363	2d Radio Bn	9,750	U.C.
1293362	H&S Bn	3,950	
1293366	Maint Bn	3,300	
1293361	Lnd Sup Bn.	6,100	
1293365	Comm Bn	11,725	
1293366	MT Bn	3,300	
1293364	Engr Bn	4,760	
1293366	Sup Bn	3,300	U.P.

TOTAL: 46,185



1. COMPONENT: NAVY  
 2. DATE: 15 Jun 84  
 FY 1987 MILITARY CONSTRUCTION PROGRAM DATA  
 FY-87

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

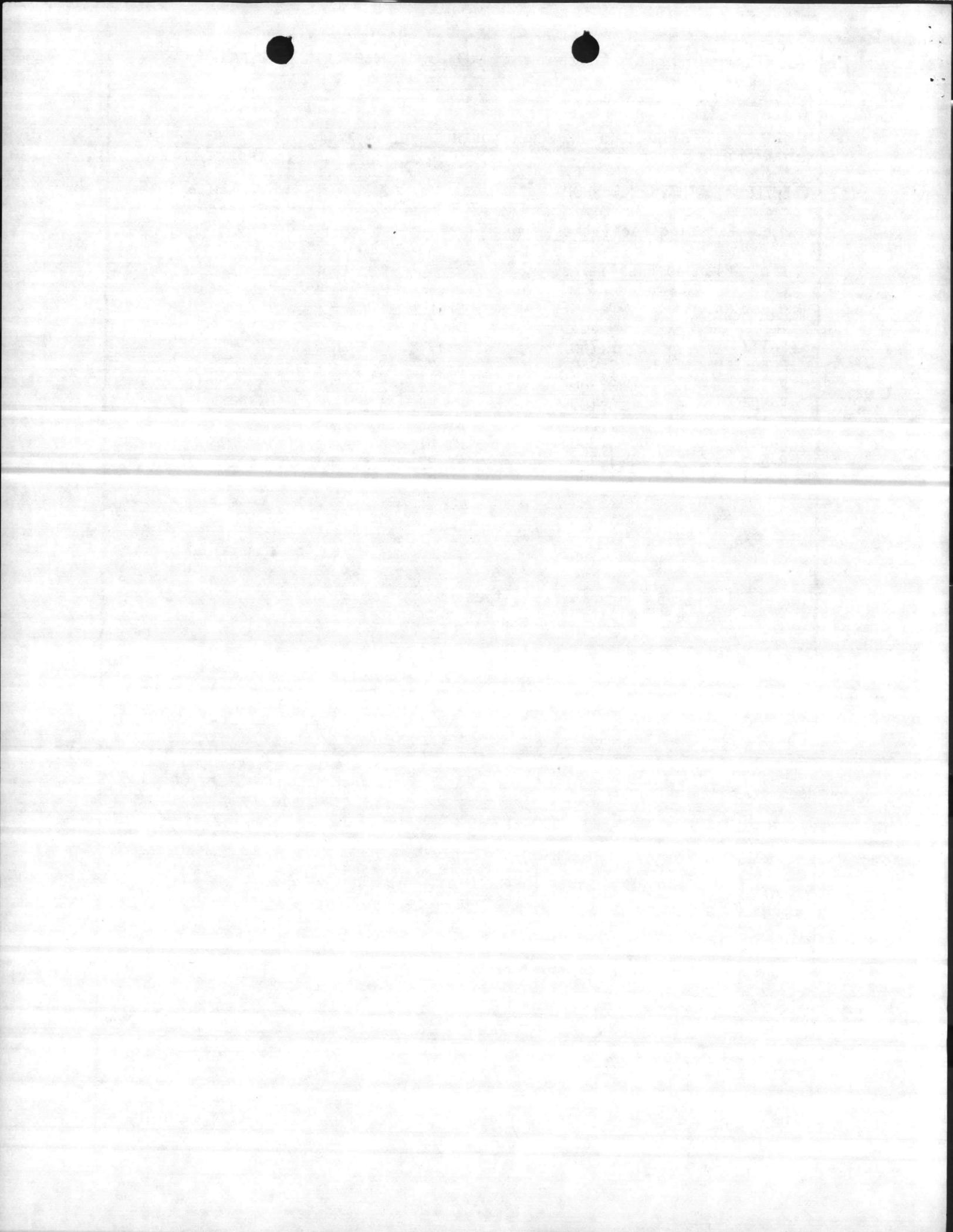
4. PROJECT TITLE: ELEC/COMM MAINTENANCE SHOP  
 5. PROJECT NUMBER: P-167

- b. Existing Facilities. NONE
- c. Planned Facilities.

<u>Project No.</u>	<u>Area SF</u>	<u>Status</u>
P-117	9,750	Existing Adequate
P-505	3,950	FY-84 Program
P-538	3,300	FY-84 "
P-564	6,100	FY-84 "
P-167	11,725	FY-86 "
P-541	3,300	FY-87 "
P-542	4,760	FY-87 "
P-543	3,300	U.P.

SUBTOTAL 46,185

d. Existing Adequate Facilities	9,750
Planned Facilities	<u>36,435</u>
Total Planned & Existing	46,185
BFRL TOTAL	46,185





UNITED STATES MARINE CORPS  
MARINE CORPS BASE  
CAMP LEJEUNE, NORTH CAROLINA 28542

IN REPLY REFER TO  
PWO:408:EGJ:bb  
11000

29 JUL 1980

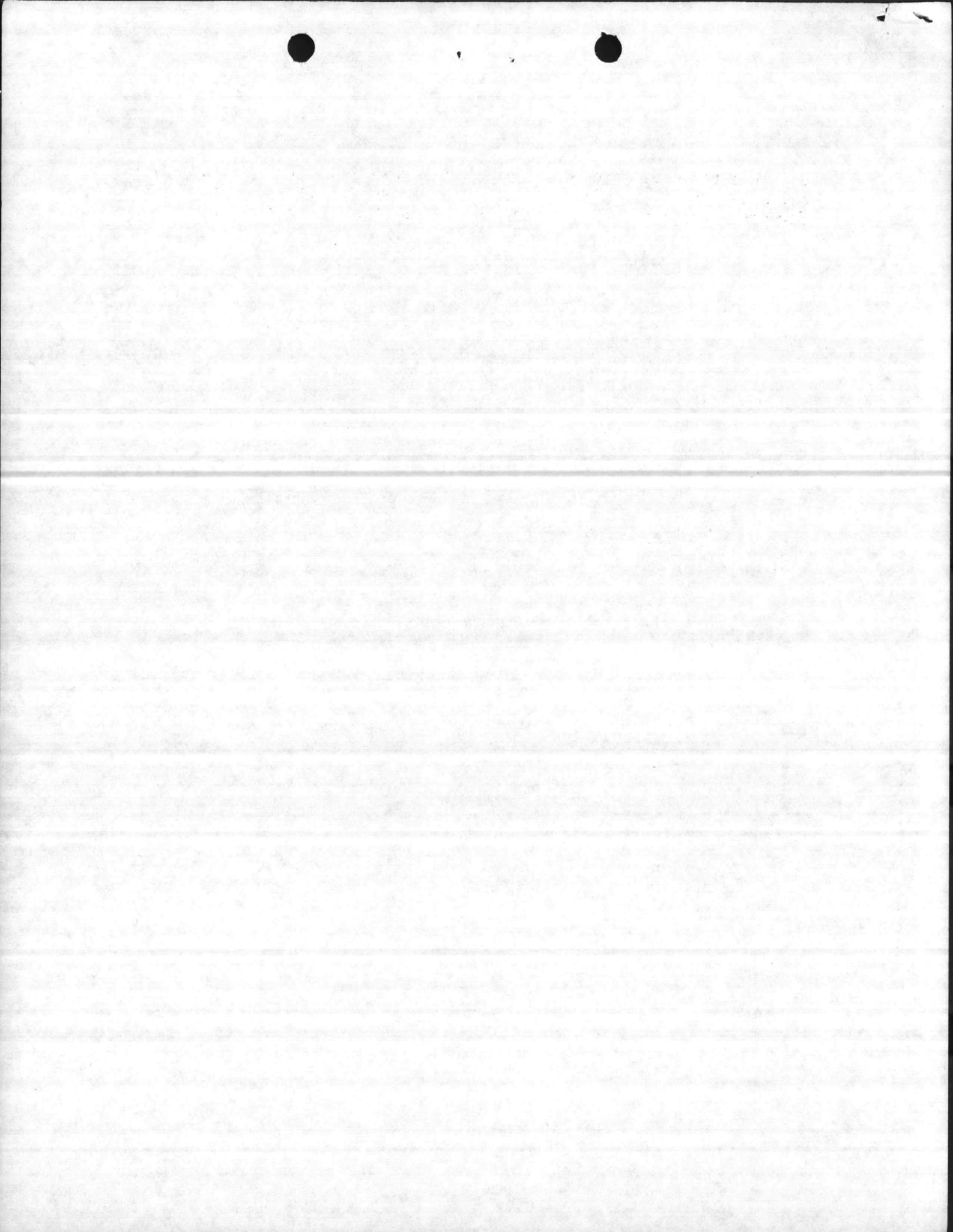
From: Commanding General  
To: Commandant of the Marine Corps (Code LFF-1)

Subj: Military Construction Program for Marine Corps Base, Camp Lejeune, North Carolina, FY 1983 through FY 1987; submission of

Ref: (a) CMC ltr LFF-1-LAW-tjw 11000/CLNC of 29 Feb 1980  
(b) CG MCB ltr PWO:408:CWB:sh 11000 of 20 Mar 1980  
(c) CG MCB ltr PWO:408:CWB:bb 11000 of 30 May 1980  
(d) MCON Cost Review Guide, Fiscal Year 1982 (DOD 4270.1-CG) of Apr 1980  
(e) CMC msg 011428Z OCT 1979

Encl: (1) Comments on the Camp Lejeune FY 1983/1985 MCON Program  
(2) NAVMC Form 10956, FY 1983 through FY 1987 MCON Program (7 sheets) of 1 Aug 1980  
(3) FY 1983 MCON Program consisting of DD Forms 1391 of 1 Aug 1980 with Facility Studies (and photographs, where applicable)  
(4) FY 1984 MCON Program consisting of DD Forms 1391 of 1 Aug 1980 with Facility Studies (and photographs, where applicable)  
(5) FY 1985 MCON Program consisting of DD Forms 1391 of 1 Aug 1980 with Facility Studies  
(6) FY 1986 MCON Program consisting of DD Forms 1391 of 1 Aug 1980 with Facility Studies  
(7) FY 1987 MCON Program consisting of DD Forms 1391 of 1 Aug 1980 with Facility Studies

1. Reference (a) provides detailed guidance and submission dates for various Marine Corps construction programs. This submission, enclosures (1) through (7), responds to the direction of reference (a) for the Camp Lejeune Five-Year Military Construction Program, FY 1983 through FY 1987.
2. Enclosure (2) reflects 39 projects at a total cost of \$151.6 million dollars, with an average annual cost of \$30.3 million dollars, just slightly above the FY 1979 level of funding for construction at Camp Lejeune. Twenty-six of these projects will provide modern maintenance facilities for Fleet Marine Force combat, combat support, and combat service support battalions. Maintenance facilities funded in the last portion of this submission will be occupied in the year 1988, nearly 50 years since ground was broken at Camp Lejeune. Priorities continue as in the past, with emphasis on barracks and shops. Our goal is to complete the barracks modernization program and to provide adequate organizational maintenance facilities for tenant Fleet Marine Force units by the year 1990.

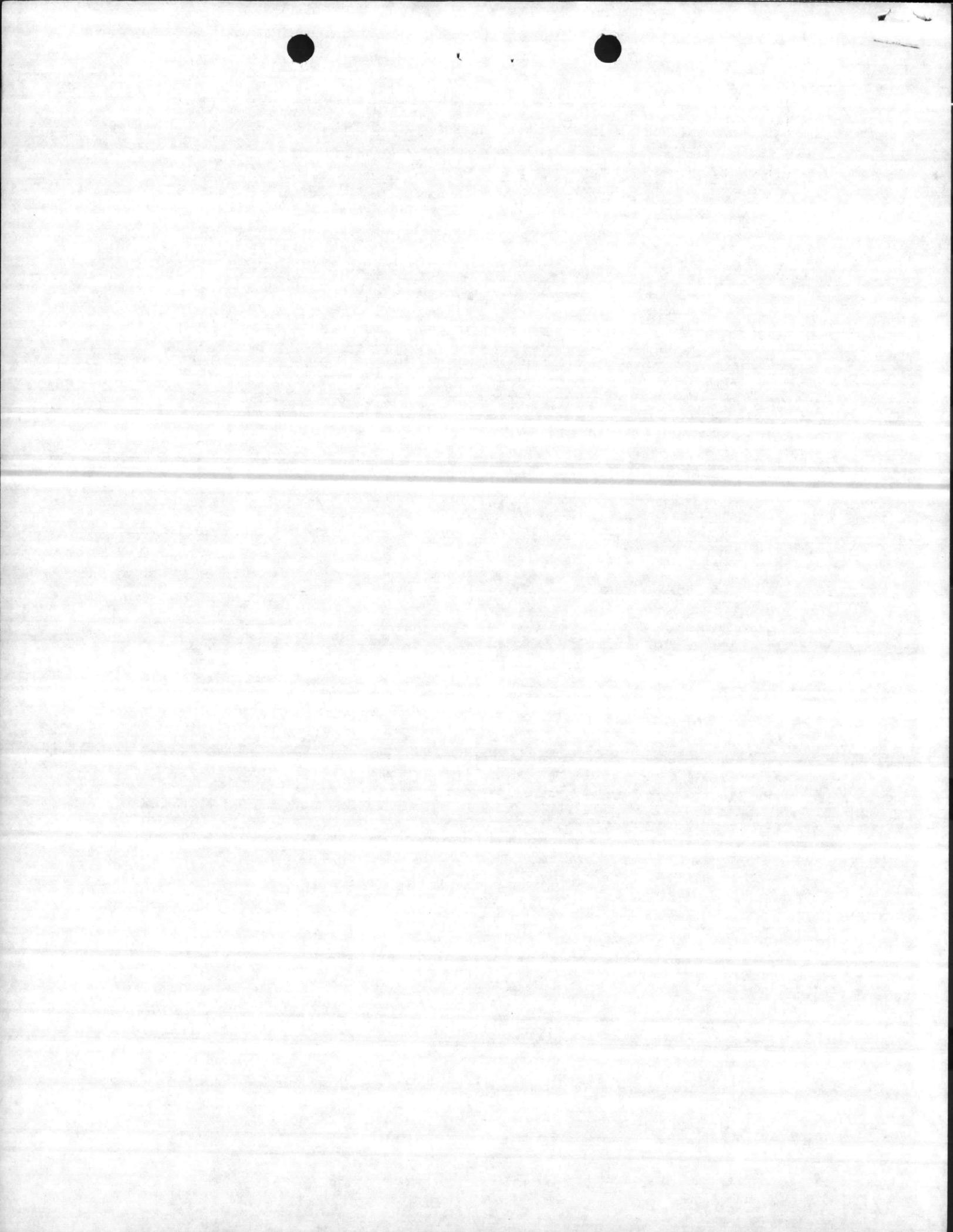


3. This correspondence satisfies the requirements of reference (a) for all military construction project submissions for Camp Lejeune. Response for other programs will be provided by separate correspondence.

D. B. BARKER

Copy to: (w/encls)  
LANTNAVFACENGCOM (09A21E)  
CG, 2d MARDIV  
CG, 2d FS&G (REIN)

Blind copy to: (w/encls)  
AC/S, Facilities  
BMO



1. COMPONENT NAVY		FY 19 <u>86</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE 1 AUG 1980	
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA 28542			4. PROJECT TITLE ELEC/COMM MNT SHOP		
5. PROGRAM ELEMENT		6. CATEGORY CODE 217-10	7. PROJECT NUMBER P-167	8. PROJECT COST (\$000) 1,100	

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP	SF	11,725	76.28	894
Building	SF	11,725	61.23	(718)
Built-in Equipment	LS	-	-	(152)
Solar Hot Water System	LS	-	-	(24)
SUPPORTING FACILITIES				141
Special Construction Features	LS	-	-	(19)
Utilities	LS	-	-	(48)
Roads, Parking, Sidewalks	LS	-	-	(62)
Site Improvements	LS	-	-	(12)
SUBTOTAL				1,035
CONTINGENCY (5%)				52
TOTAL CONTRACT COST				1,087
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				60
TOTAL REQUEST				1,147
TOTAL REQUEST (ROUNDED)				1,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

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, 60/400 cycle electrical; grounding, etc., exterior pavements, fencing, area lighting, site work, and utilities connected are included. Fallout shelter excluded - shelters for personnel have been programmed in other projects. ( 38 tons air conditioning)

REQUIREMENTS: 46,185 SF. ADEQUATE 0 SF. SUBSTANDARD 0 SF

PROJECT: Construct an electronics and communications maintenance shop for a Communications Battalion of the 2d Force Service Support Group.

REQUIREMENT: A maintenance facility to effectively execute the prescribed electronics and communications maintenance program.

CURRENT SITUATION: The maintenance program is being carried out in sub-standard masonry-type WWII buildings and Butler-type metal buildings constructed in 1952 during the Korean campaign. The facilities are inadequate as electronics/communications shops for use in the maintenance of the modern sophisticated equipment in use today and cannot be economically rehabilitated.

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.

EGJ

DD FORM 1391  
1 DEC 76

S/N 0102-LF-001-3910

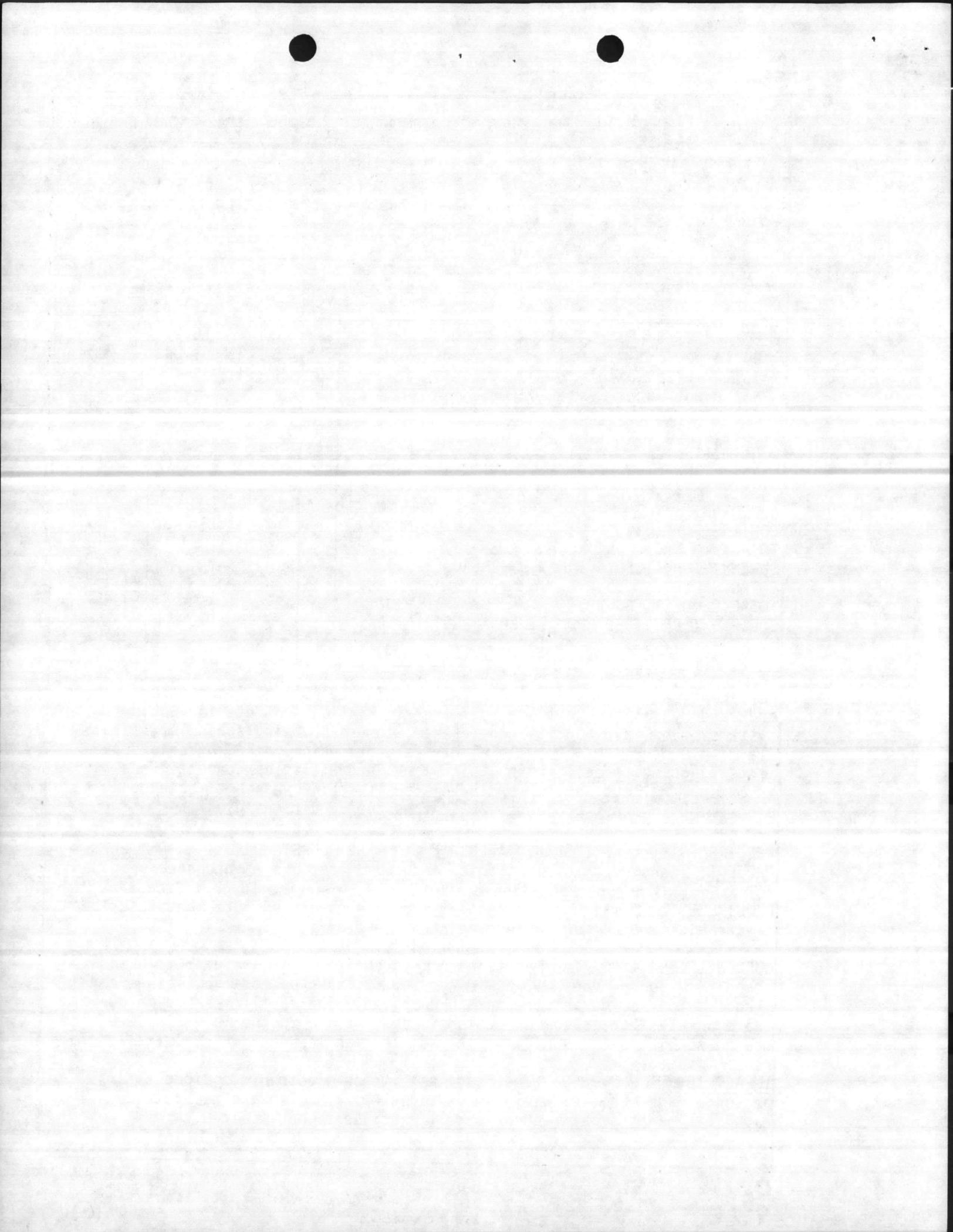
PREVIOUS EDITIONS MAY BE USED INTERNALLY  
UNTIL EXHAUSTED

U.S. GOVERNMENT PRINTING OFFICE: 1978-703-173/3414 2-1

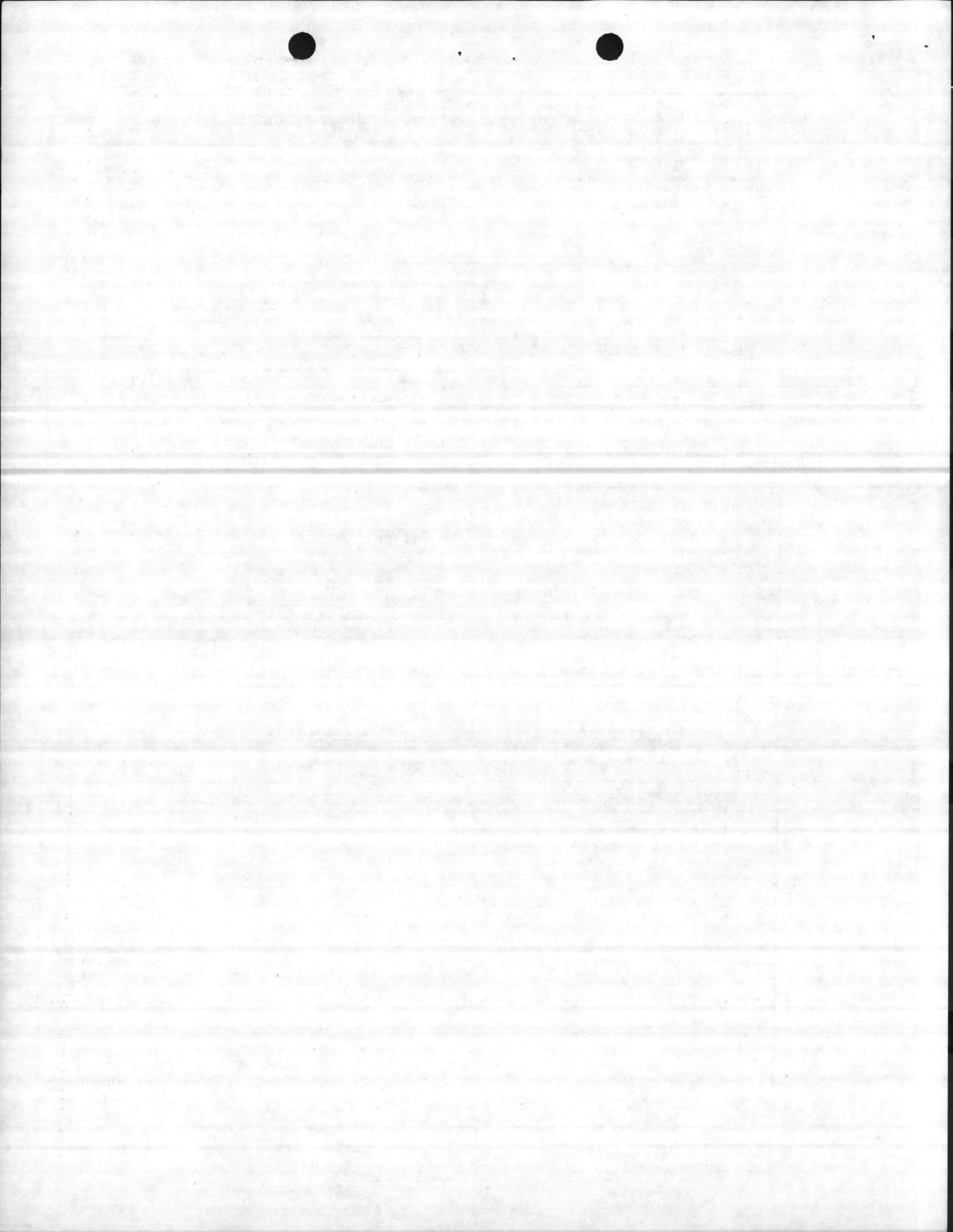
PAGE NO. 1 of 2

ENCL (6)

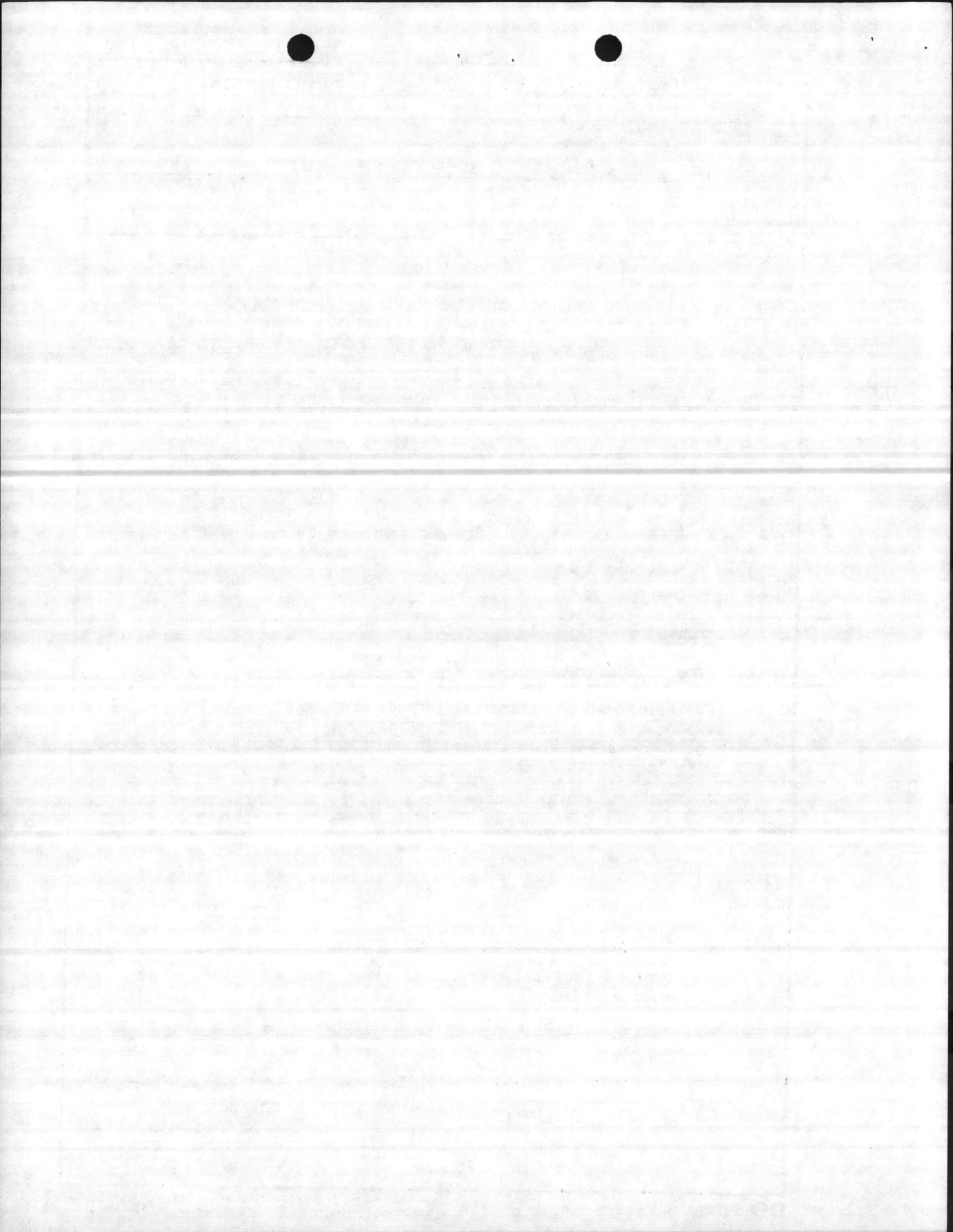
OFFICIAL COPY - DO NOT REMOVE



1. COMPONENT NAVY	FY 1986 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE ELEC/COMM MAINTENANCE SHOP	5. PROJECT NUMBER P-167	
<p style="text-align: center;"><u>SPECIAL CONSIDERATIONS</u></p> <ol style="list-style-type: none"> <li>1. <u>Pollution Prevention, Abatement, and Control</u>: This project will not cause additional air or water pollution.</li> <li>2. <u>Flood Hazard Evaluation</u>: Requirements of Executive Order No. 11296 (Flood Hazards) are not applicable.</li> <li>3. <u>Environmental Impact</u>: The project Environmental Impact Assessment has been made, reviewed, and where required, the design concepts give consideration to eliminating adverse environmental effects consistent with applicable directives.</li> <li>4. <u>Fallout Shelter Construction</u>: Fallout shelter protection is incorporated in the facility.</li> <li>5. <u>Design for Accessibility of Physically Handicapped Personnel</u>: Provisions for physically handicapped personnel are not required in this facility.</li> <li>6. <u>Use of Air Conditioning</u>: Ceiling "U" factors will be made to conform with DOD 4270.1-M.</li> <li>7. <u>Preservation of Historical Sites and Structures</u>: The project facility 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.</li> </ol>		



1. COMPONENT NAVY		FY 1986 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542			
4. PROJECT TITLE ELEC/COMM MAINTENANCE SHOP		5. PROJECT NUMBER P-167	
<u>FACILITY STUDY</u>			
1. <u>Project.</u> Provide 11,725 SF of electronics/communications maintenance shop for electronics and communications T/E equipment assigned to Communication Battalion for the 2d Force Service Support Group.			
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 first and second 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, etc.			
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.			
(a) <u>Support Facilities.</u> Rigid and flexible pavements, security fencing and lighting, utilities, and site improvement.			
(2) <u>Energy Conservation.</u> Energy efficient equipment and building orientation for maximum energy conservation will be utilized.			



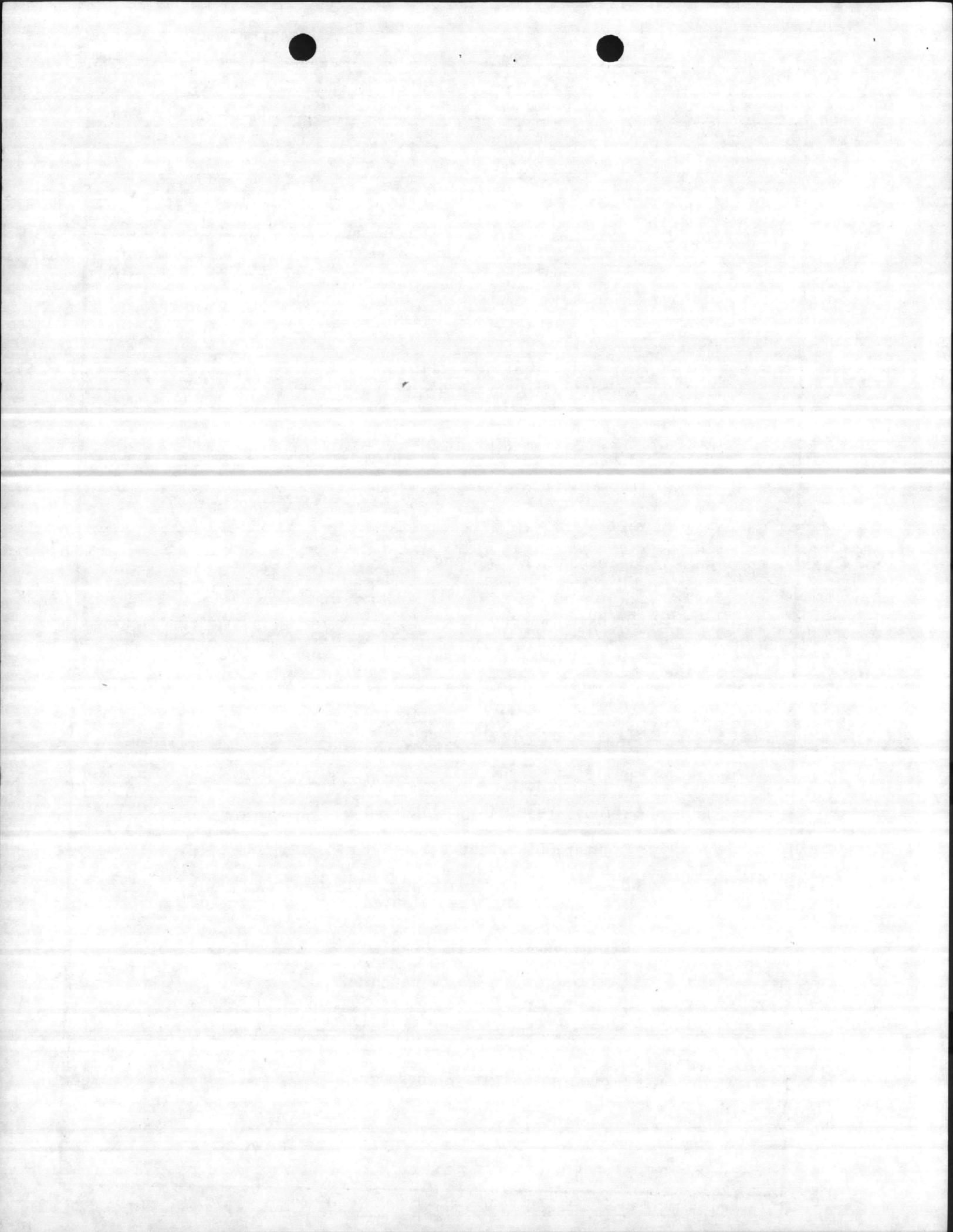
1. COMPONENT	FY 1986 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980
NAVY		
3. INSTALLATION AND LOCATION		
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE	5. PROJECT NUMBER	
ELEC/COMM MAINTENANCE SHOP	P-167	

(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 NAVY	FY 1986 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980
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3. INSTALLATION AND LOCATION  
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE ELEC/COMM MAINTENANCE SHOP	5. PROJECT NUMBER P-167
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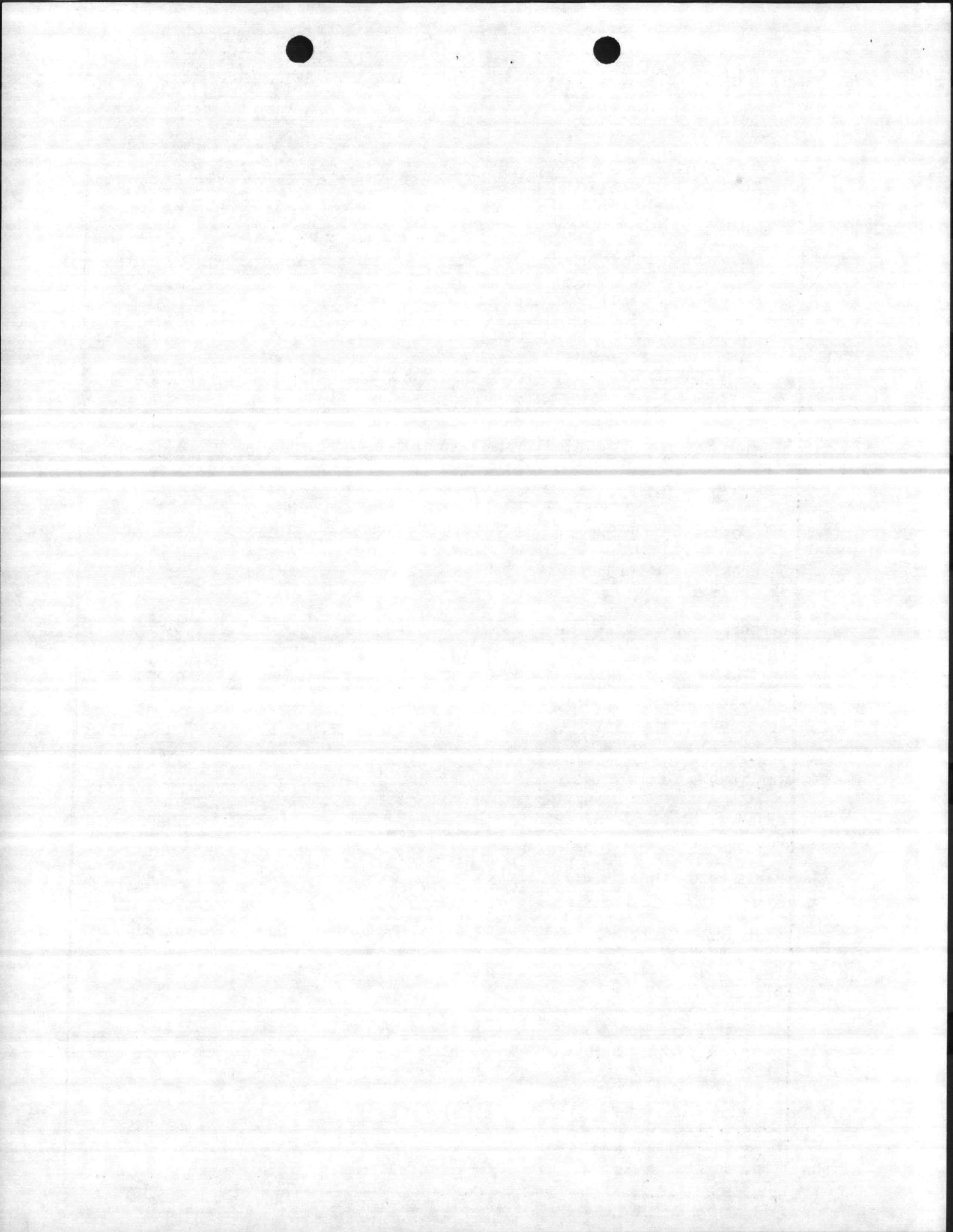
\*Pass Window, 4' wide,  
w/counter & "B" label  
roll down shutter (w/  
fusible link)

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

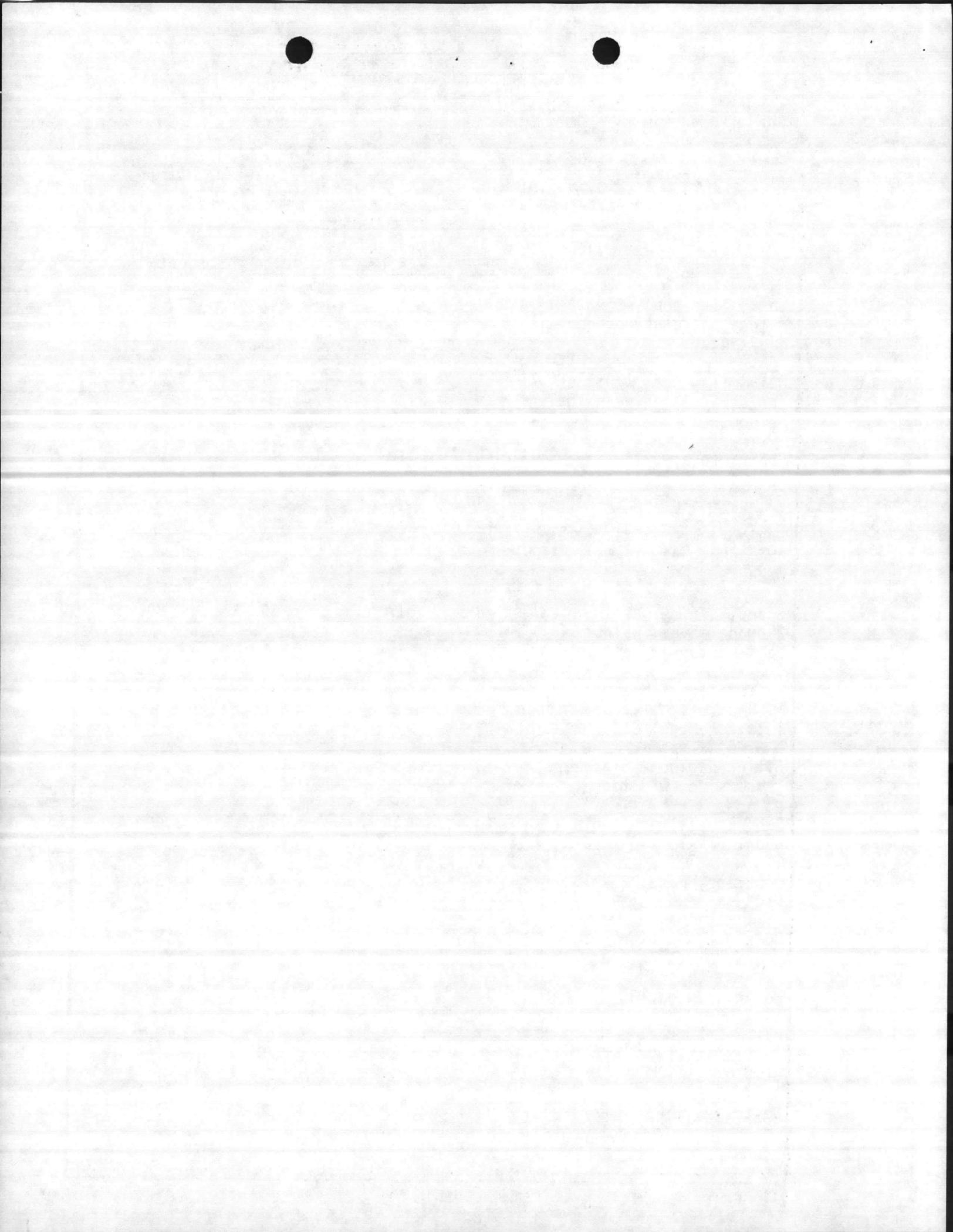
\*Equipment with associated installation cost.

(b) Expense Items

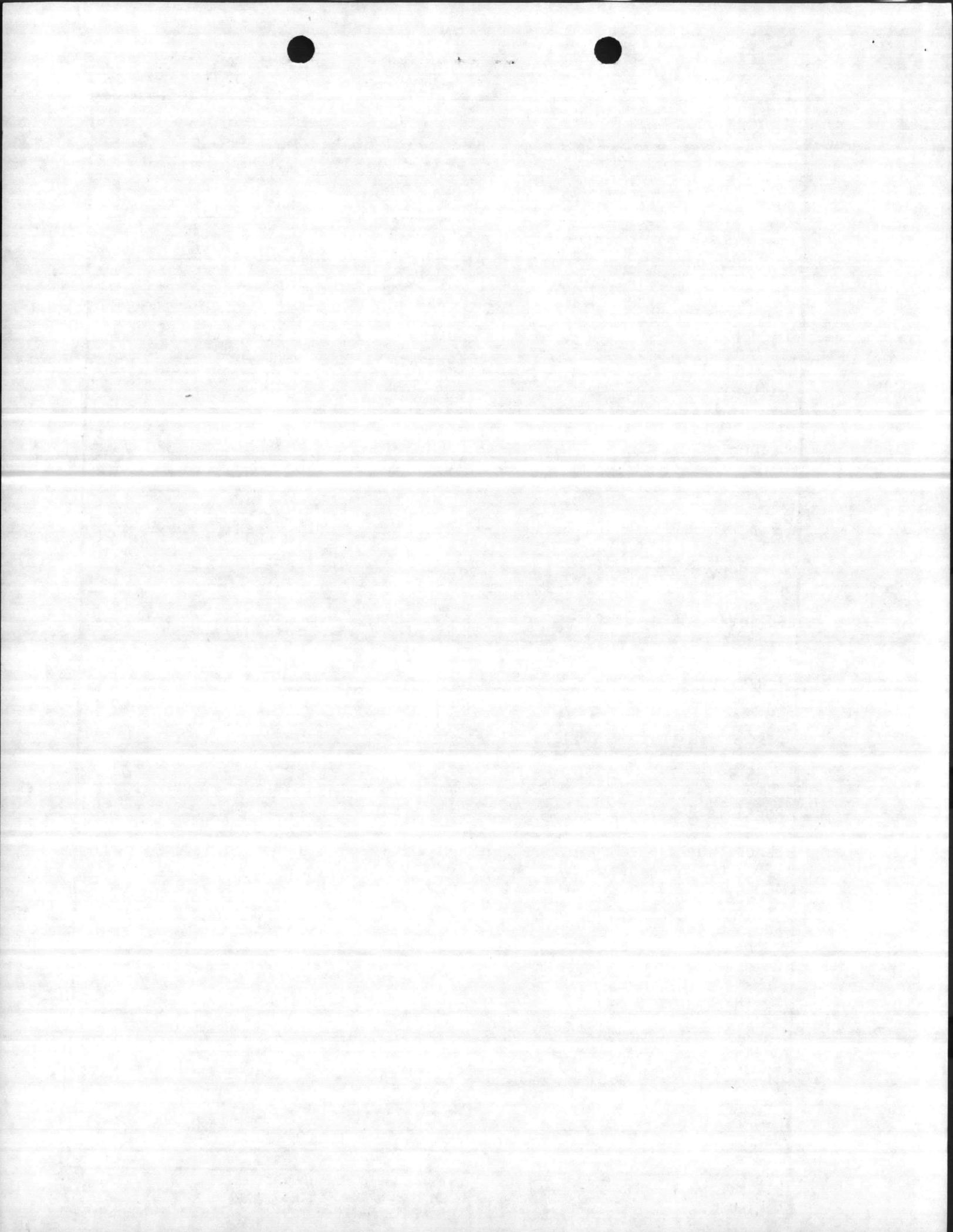
<u>Description</u>	<u>Qty</u>	<u>Unit of Issue</u>	<u>Unit Price</u>	<u>Total Cost</u>
Benches, work, portable, 48"x28"x34"H	18	EA	\$225	\$4,050
Benches, work, portable, 72"x28"x34"H	12	EA	340	4,080
Benches, work, stationary, 28"Dx34"H, stl top, std, lead covered in btry shop	16	EA	375	6,000
Parts Bins, adj shelving 14"x24"D	6	EA	75	450
Grinder, bench, 7" w/ buffer wheel	1	EA	385	385
Parts Rota Bins, 3' dia. multi-bin	16	EA	360	5,760
Charger, battery, 12V, 24V, 36V selenium type; battery tester, 12V, 24V, 36V, 2.2KW, 110/220V	4	EA	550	2,200
14"W shelving w/adj stds	24	EA	120	2,880
12"W shelving w/adj stds, 6 shelves, 36"W & 84"H	24	EA	90	1,080
Desk, flat top, dbl ped, 60"x30", walnut pattern top, no overhang	3	EA	315	945



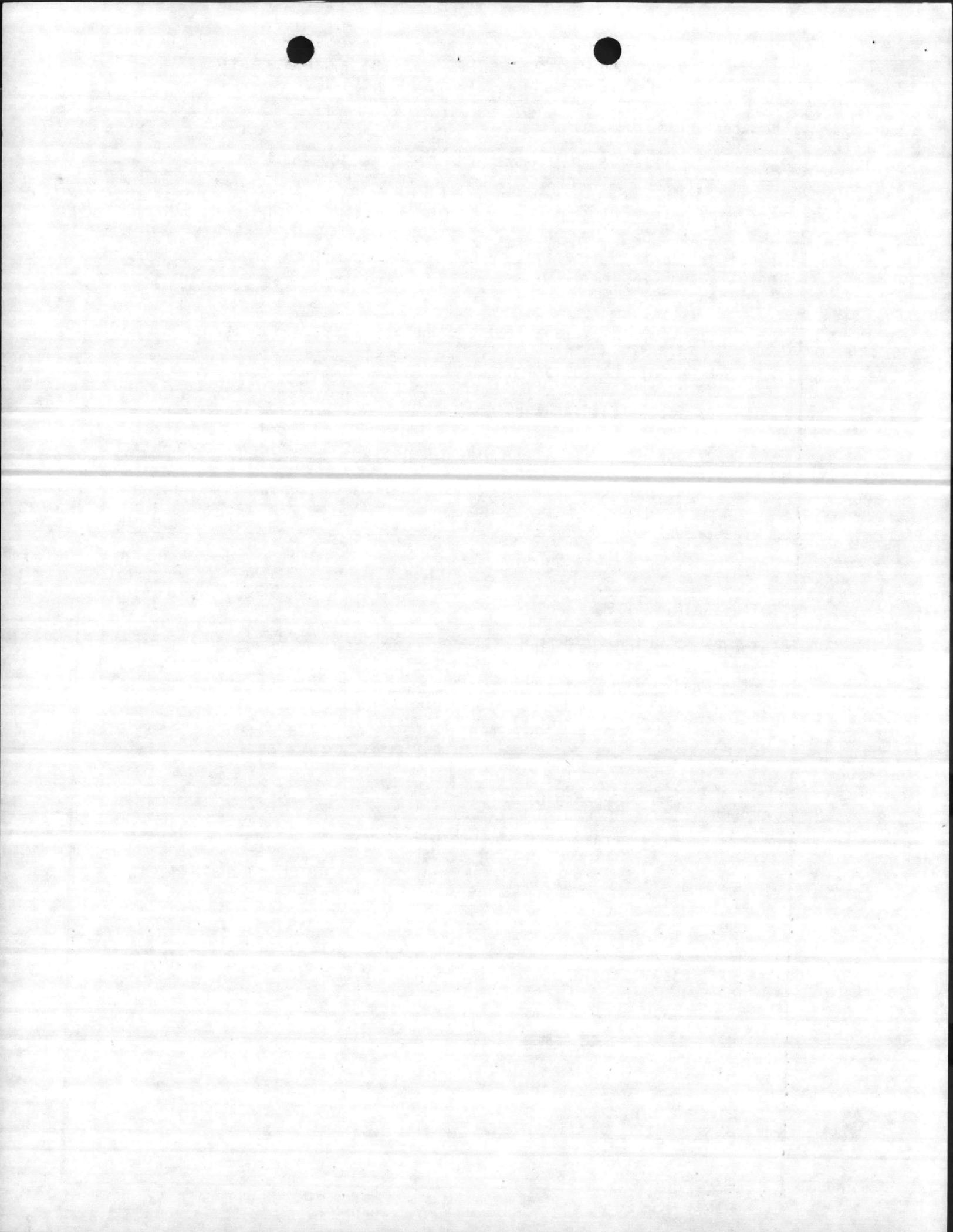
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<u>Description</u>	<u>Qty</u>	<u>Unit of Issue</u>	<u>Unit Price</u>	<u>Total Cost</u>
Desk, flat top, 45"x30" walnut pattern top, no overhang	8	EA	240	\$1,920
Desk, flat top, w/attach for sec'l & gen. clerical purposes	8	EA	275	2,220
Chair, rotary, tilting seat & back, adj. seat height, w/arms, w/casters	11	EA	94	1,034
Chair, secretarial, rotary adj. seat height, w/arms, w/casters	14	EA	70	980
Stand, office machine 2 drop leaves, walnut pattern top, w/casters	6	EA	66	396
Typewriter, IBM electric 13½" carriage, carbon ribbon, 10 pitch Model 833	6	EA	710	4,260
Filing Cabinet, 5 drawers, legal size, w/o lock	8	EA	220	1,760
Cabinet, storage, dbl door, 36"x18"x80-1/16"H	10	EA	190	1,900
Bookcase, base, 33"x13" x10"H	12	EA	20	240
Bookcase, section, w/o doors, 31"x12"x14"H	48	EA	40	1,920
Bookcase, top, 33"x 13"x2½"H	12	EA	20	240
Chair, straight, w/o arms	36	EA	70	2,520
Costumer, wearing apparel, contemporary, 4 dbl hooks, round pole w/rd base	12	EA	35	420



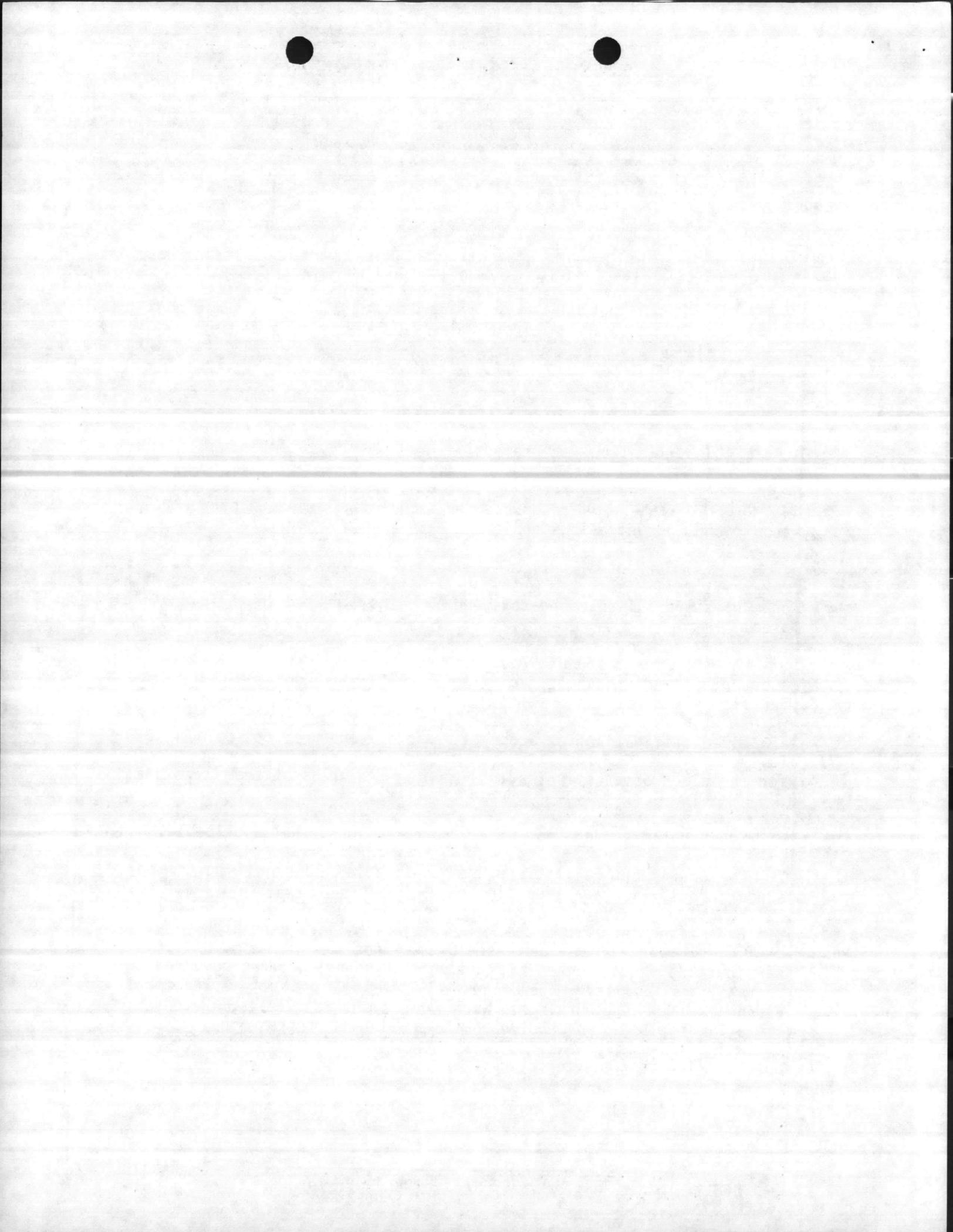
1. COMPONENT NAVY		FY 19 <sup>80</sup> MILITARY CONSTRUCTION PROJECT DATA		2. DATE 1 AUG 1980
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<u>Description</u>	<u>Qty</u>	<u>Unit of Issue</u>	<u>Unit Price</u>	<u>Total Cost</u>
Rack, wearing apparel contemporary, 6 metal hangers, 78"Hx30"Lx20"D at base	8	EA	85	\$ 680
Wastepaper Basket, dark brown, 14½"Hx13" dia top	24	EA	6	144
Draperies	5	PR	74	370
Draperies, blackout	4	PR	95	380
Desk Lamp	24	EA	45	1,080
Adding Machine, Monroe Model 1405	6	EA	290	1,740
Bulletin Board, cork, alum frame, 4'x6'	8	EA	65	520
Table, gen. purpose, 60"x30"x29½"H	6	EA	105	630
Student Chairs, Heywood Wakefield Model HC-7730-PABS-PP	42	EA	70	2,940
Portable Easel	3	EA	85	255
Bench, work, electronic, 120/220V, 50 cycle & 400 cyc., 28V	12	EA	1,450	17,400
Rack, security, for mechanics' tool boxes, 24 openings	3	EA	2,000	6,000
Extinguisher, fire, 15 lb., CO <sub>2</sub>	12	EA	85	1,020
Extinguisher, fire, 2½ gal. H <sub>2</sub> O	12	EA	40	480
TOTAL EXPENSE ITEMS				81,259



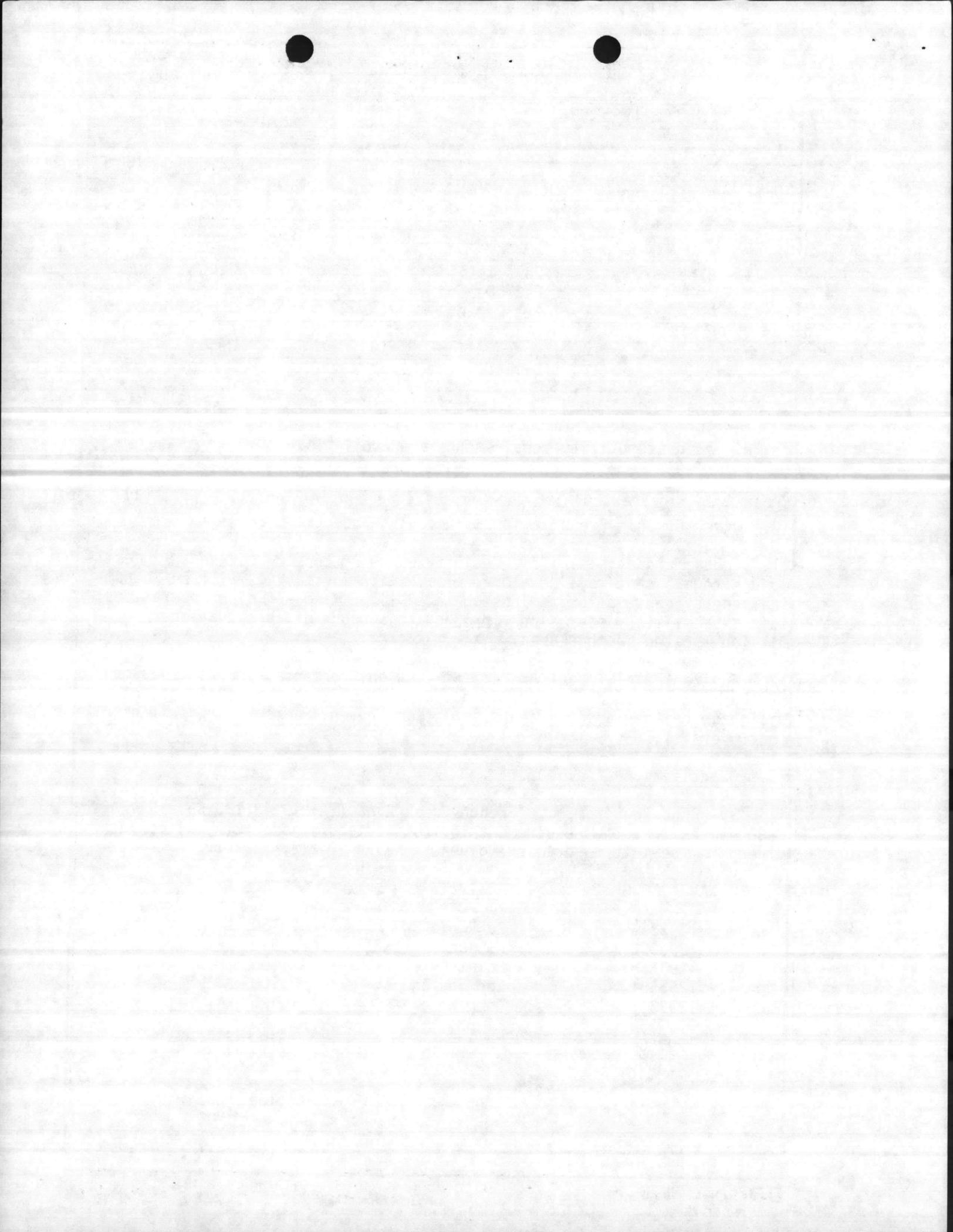
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Shipping, Packing, Handling Installation Charges & Contingencies - 10%		8,126		
(c) Investment Items: None				
(d) <u>APA Equipment</u> - None				
(e) <u>Training Equipment</u>				
<u>Description</u>	<u>Qty</u>	<u>Unit of Issue</u>	<u>Unit Price</u>	<u>Total Cost</u>
Movie Projector	2	EA	630	1,260
Movie Screen	2	EA	120	240
Overhead Projector	2	EA		<u>824</u>
TOTAL TRAINING ITEMS				\$ 2,324
Shipping, Packing, Handling, Installation Charges & Contingencies - 10%				232
(f) <u>Equipment on Hand</u> - None				
(g) <u>Summary</u> *				
Expense Cost (O&MMC)				89,617
Training Cost (O&MMC)				<u>2,324</u>
TOTAL				\$ 91,941



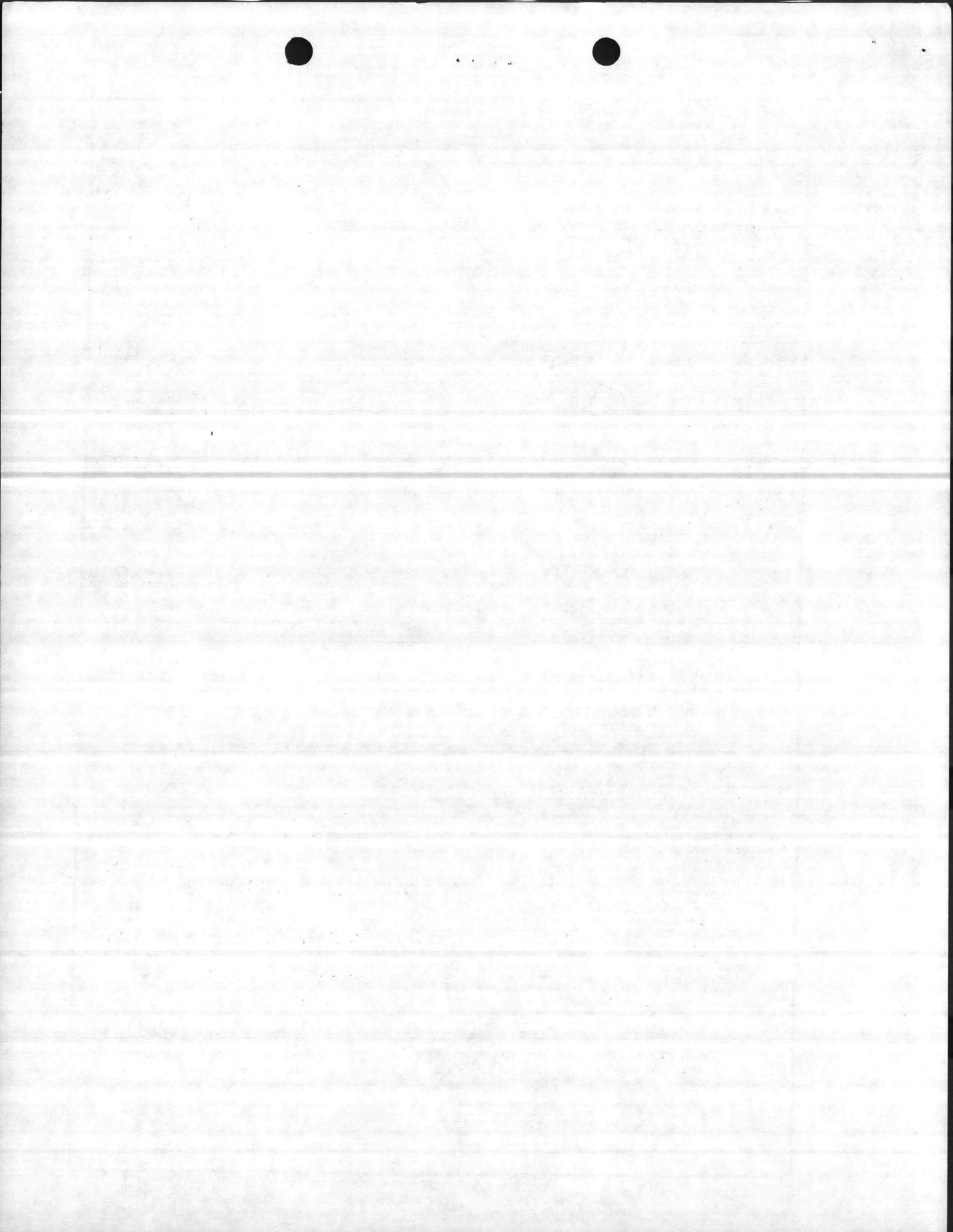
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<p>6. <u>Equipment Provided from Other Appropriations.</u> Not applicable.</p>		
<p>7. <u>Common Support Facilities.</u> Not applicable. There are no common support facilities available in the French Creek area.</p>		
<p>8. <u>Effect on Other Resources.</u> The project will require approximately \$4,072 per year in increased O&amp;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>		

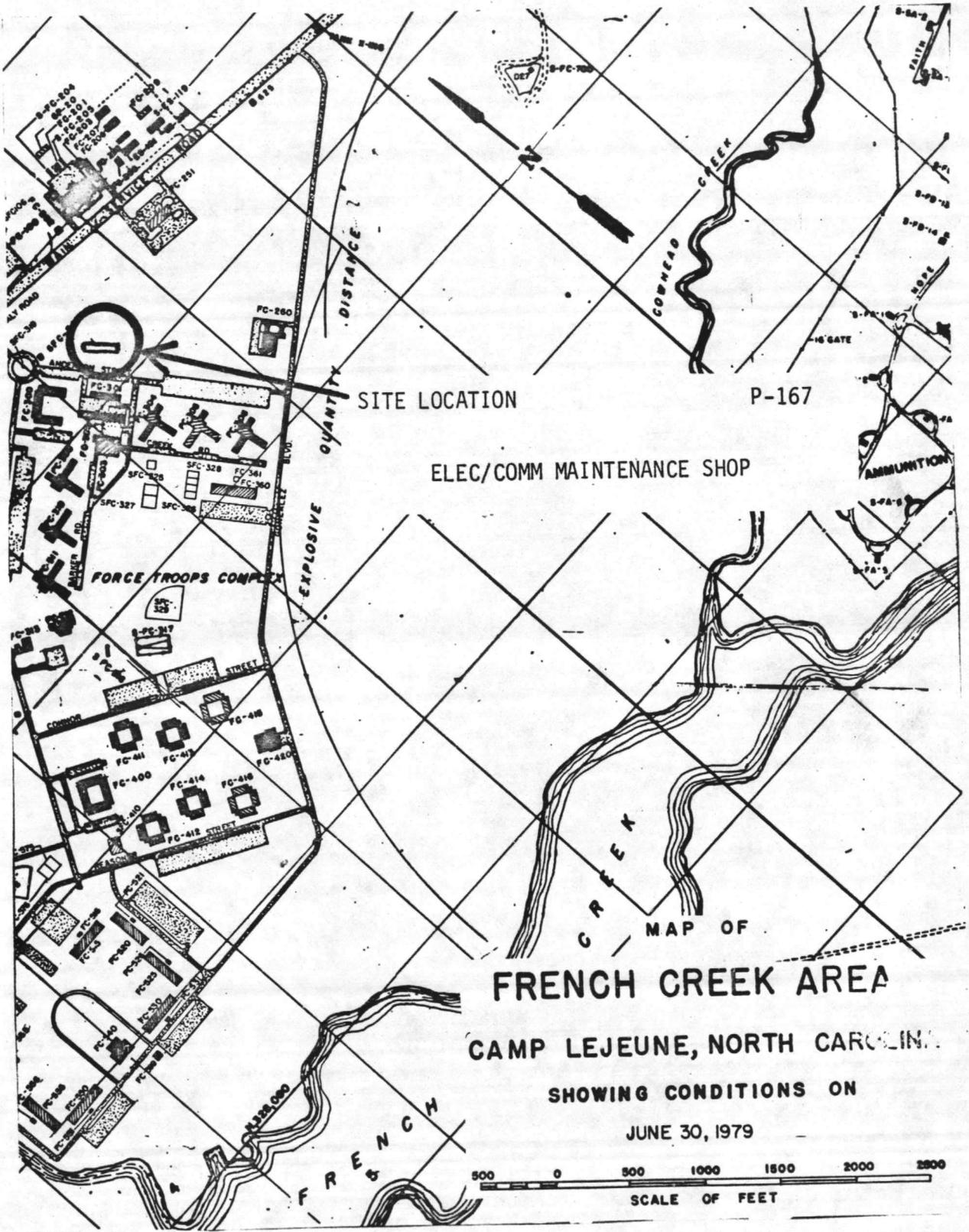


1. COMPONENT NAVY	FY 19 <sup>86</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE ELEC/COMM MAINTENANCE SHOP		5. PROJECT NUMBER P-167
<u>Utility Requirements</u>		
a. Electricity	Consumption      40,166 Peak Demand      25 Avg Demand      23	KWHR/yr KW KW
b. Steam	Consumption      1,801,633 Demand              645	lbs/yr lbs/hr
c. Coal	70.4	tons/yr
d. Adequate utility requirements are available.		
9. <u>Siting of the Project.</u> This facility will be located in the French Creek Area, in keeping with the Camp Lejeune Master Plan. See encl (1).		
10. <u>Other Graphic Presentations, including Photographs.</u> NONE		
11. <u>Economic Analysis.</u> 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. <u>Environmental Impact Assessment.</u> An environmental impact assessment of the area has been made and it has been determined that this project will have neither a significant impact on the environment nor is it highly controversial.		
13. <u>Quantitative Data.</u>		
a. BFRL Requirement. French Creek Area (EA) is 46,185 SF. NAVFAC P-80 states that the requirement for this category code (217-10) is determined from definitive drawings given in NAVFAC P-272, Part IV.		
<u>NAVFAC DWG #</u>	<u>ACTIVITY</u>	<u>AREA S.F.</u>
1293363	2d Radio Bn	9,750 U.C.
1293362	H&S Bn	3,950
1293366	Maint Bn	3,300
1293361	Lnd Sup Bn .	6,100
1293365	Comm Bn	11,725
1293366	MT Bn	3,300
1293364	Engr Bn	4,760
1293366	Sup Bn	3,300 U.P.
TOTAL:		46,185



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<p>b. <u>Existing Facilities.</u> NONE</p> <p>c. <u>Planned Facilities.</u></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Project No.</u></th> <th style="text-align: left;"><u>Area SF</u></th> <th style="text-align: left;"><u>Status</u></th> </tr> </thead> <tbody> <tr> <td>P-117</td> <td>9,750</td> <td>Under Construction</td> </tr> <tr> <td>P-505</td> <td>3,950</td> <td>FY-84 Program</td> </tr> <tr> <td>P-538</td> <td>3,300</td> <td>FY-84 "</td> </tr> <tr> <td>P-564</td> <td>6,100</td> <td>FY-84 "</td> </tr> <tr> <td>P-167</td> <td>11,725</td> <td>FY-86 "</td> </tr> <tr> <td>P-541</td> <td>3,300</td> <td>FY-87 "</td> </tr> <tr> <td>P-542</td> <td>4,760</td> <td>FY-87 "</td> </tr> <tr> <td>P-543</td> <td>3,300</td> <td>U.P.</td> </tr> <tr> <td colspan="2" style="padding-top: 10px;">SUBTOTAL</td> <td style="text-align: right; padding-top: 10px;"><u>46,185</u></td> </tr> <tr> <td colspan="2" style="padding-top: 10px;">d. Existing Adequate Facilities</td> <td style="text-align: right; padding-top: 10px;">0</td> </tr> <tr> <td colspan="2" style="padding-top: 5px;">Planned Facilities</td> <td style="text-align: right; padding-top: 5px;"><u>46,185</u></td> </tr> <tr> <td colspan="2" style="padding-top: 10px;">Total Planned &amp; Existing</td> <td style="text-align: right; padding-top: 10px;">46,185</td> </tr> <tr> <td colspan="2" style="padding-top: 10px;">BFRL TOTAL</td> <td style="text-align: right; padding-top: 10px;">46,185</td> </tr> </tbody> </table>			<u>Project No.</u>	<u>Area SF</u>	<u>Status</u>	P-117	9,750	Under Construction	P-505	3,950	FY-84 Program	P-538	3,300	FY-84 "	P-564	6,100	FY-84 "	P-167	11,725	FY-86 "	P-541	3,300	FY-87 "	P-542	4,760	FY-87 "	P-543	3,300	U.P.	SUBTOTAL		<u>46,185</u>	d. Existing Adequate Facilities		0	Planned Facilities		<u>46,185</u>	Total Planned & Existing		46,185	BFRL TOTAL		46,185
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SITE LOCATION

P-167

ELEC/COMM MAINTENANCE SHOP

FORCE TROOPS COMPLEX

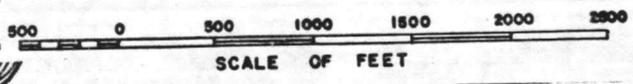
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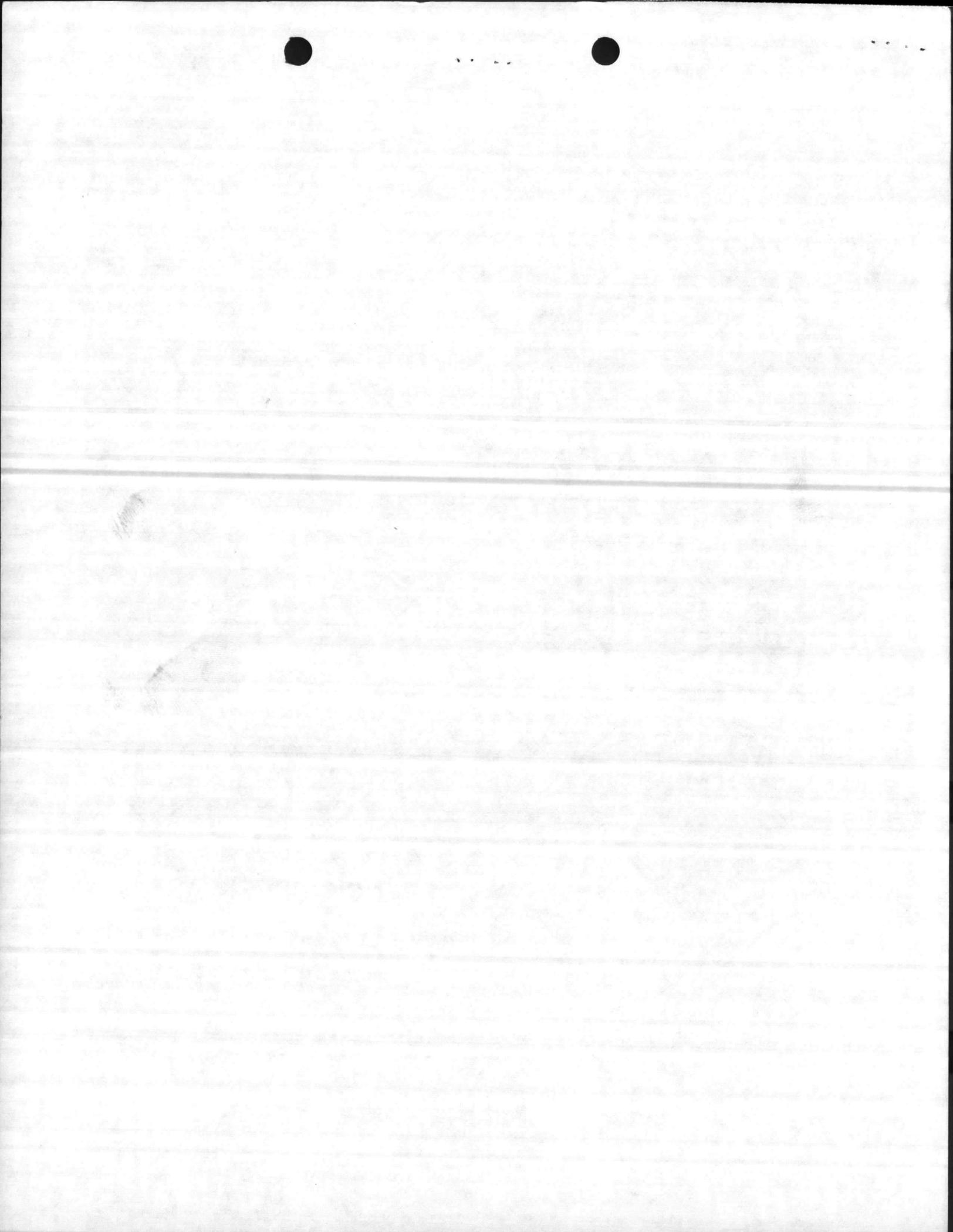
MAP OF  
**FRENCH CREEK AREA**

CAMP LEJEUNE, NORTH CAROLINA

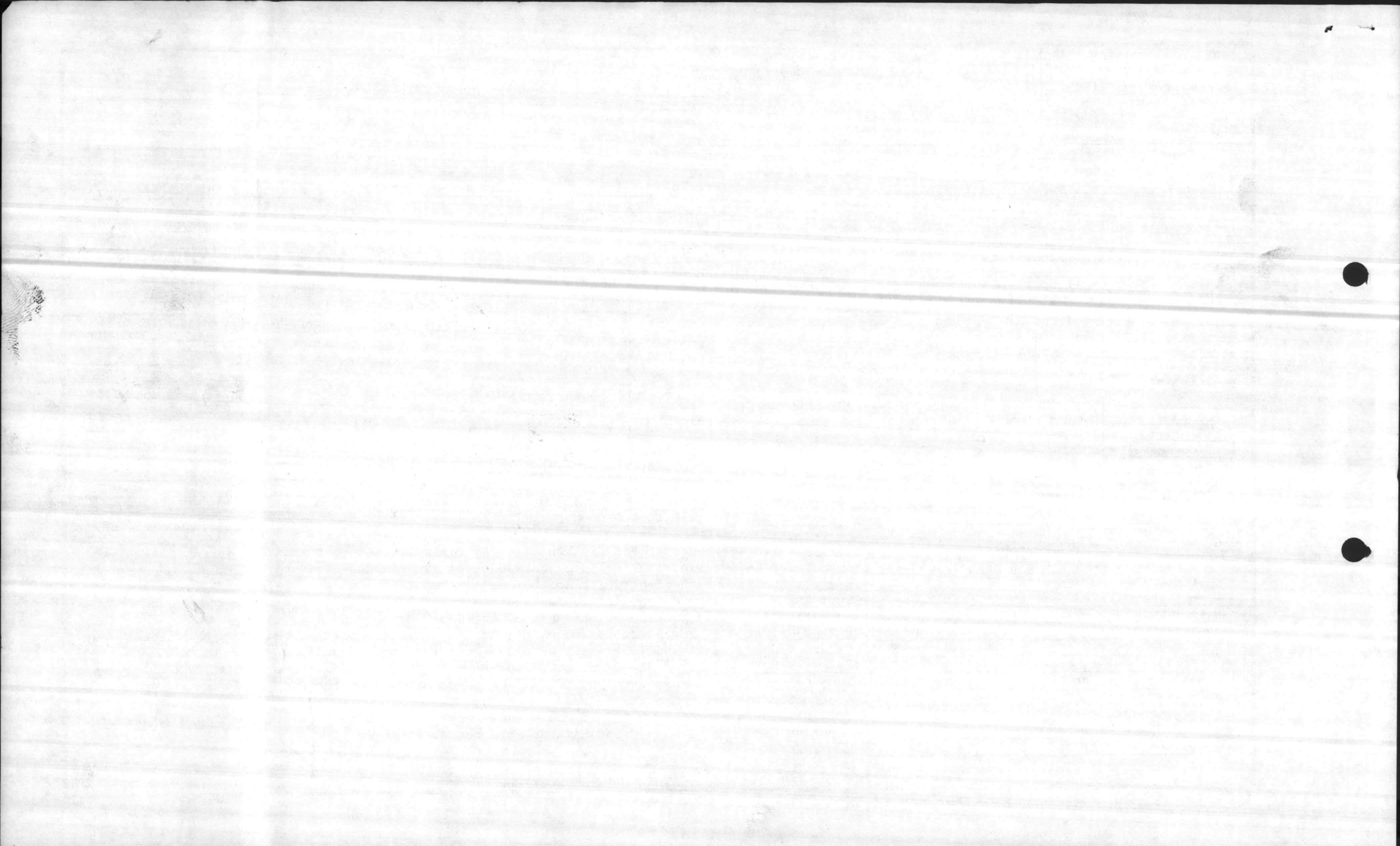
SHOWING CONDITIONS ON

JUNE 30, 1979



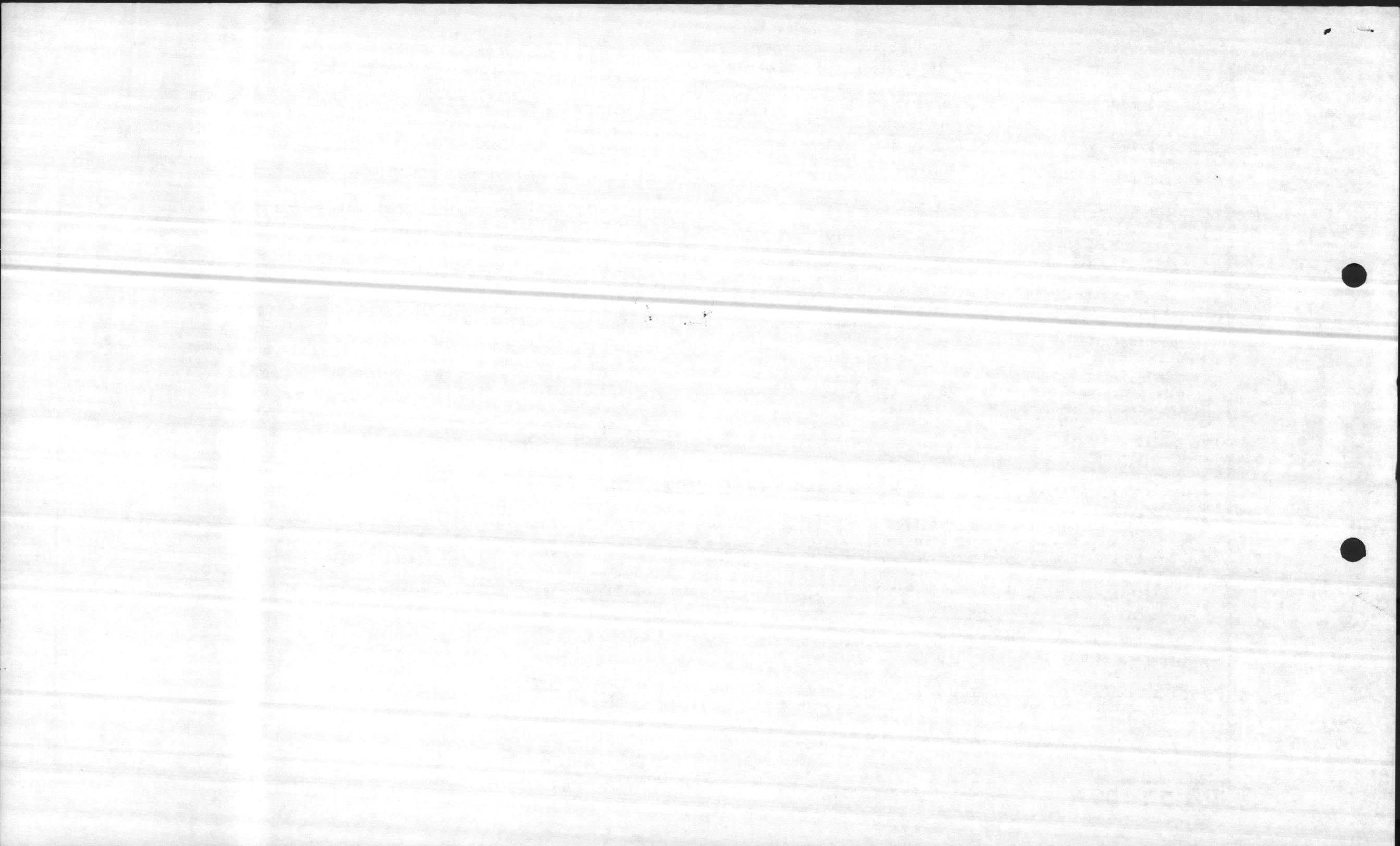




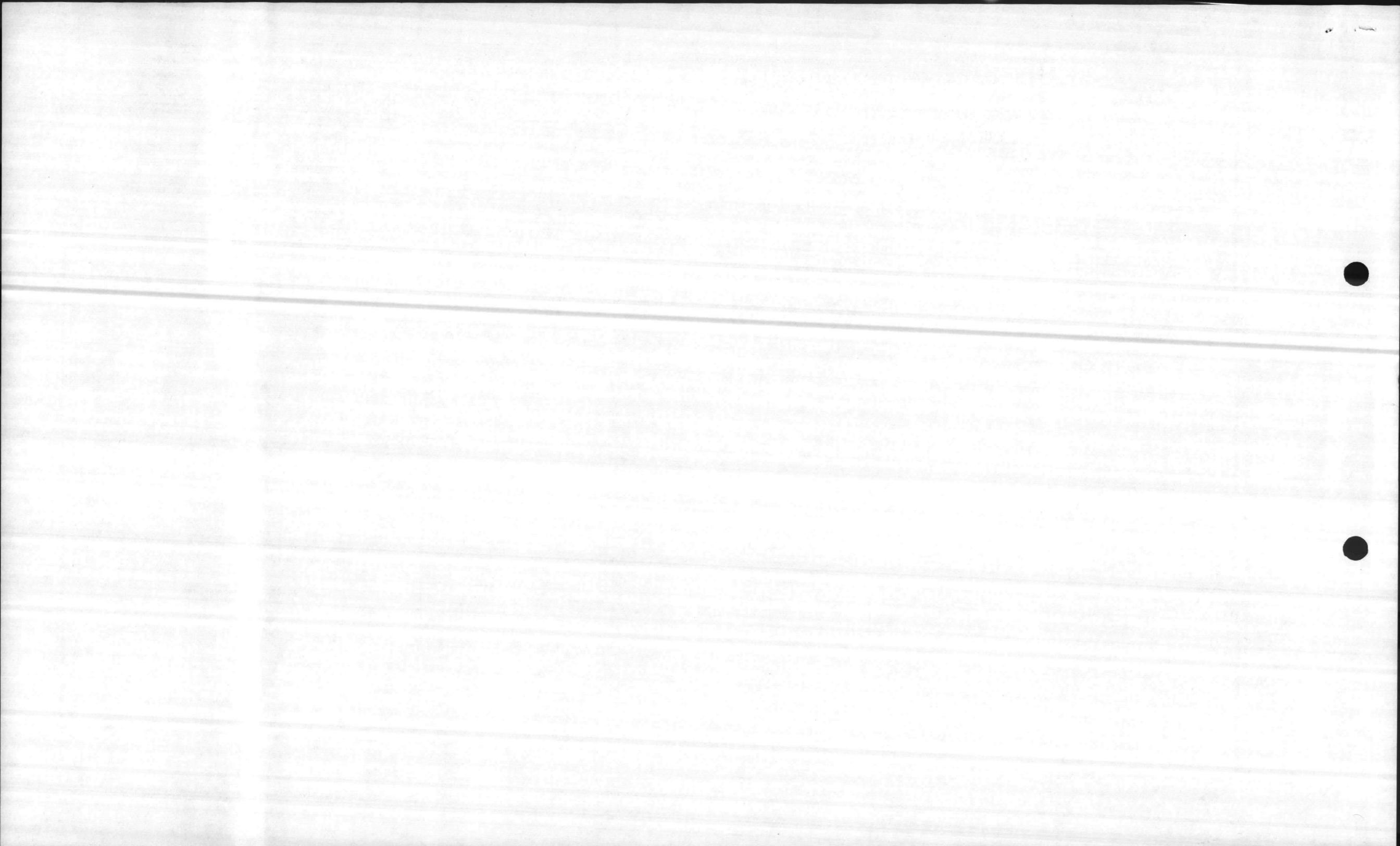


1. DATE 15 FEB 1973	2. FISCAL YEAR 1975	MILITARY CONSTRUCTION PROJECT DATA (Continued)	3. DEPARTMENT NAVY	4. INSTALLATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA
5. PROJECT NUMBER P-167		6. PROJECT TITLE FRENCH CREEK AREA ELNICS/COM MNT SHOP		

1. Function to be Performed. First, second and third echelon repair of electronics and communications equipment.
2. Necessity for Performing this Function. In order for the Communications Battalion to repair and maintain electronic equipment, it is necessary that a suitable facility be provided.
3. List of Existing and Authorized Facilities Similar to the New Facility Requested Which Can Be Used for Performing This Function. None.
4. Current and Planned Future Work Load with Regard to This Function. The present work load of the facility is the repair of approximately 2,940 communications/electronics items annually. The future work load should continue at approximately the same level but might be increased by additions to Tables of Equipment. The present facility is fully utilized and it is anticipated that the full utilization of the new facility will continue.
5. Description of Construction Being Requested. The facility will be used for an indefinite period. Construct a modern equipped structure of steel and masonry (brick exterior) using NAVFAC Dwg. No. 1293365 from NAVFAC P-272, Part IV, dated August 1971, Definitive Designs for Marine Corps Facilities.
6. List of Collateral Equipment to be Included in Line Item. Air-condition and humidity control equipment and materials necessary to give a complete working and usable facility.
7. List of Collateral Equipment Associated With but Not Included in Line Item. None.
8. Justification for the New Facility is Not Provided. The characteristics of electronics/communications equipment and the equipment used to work on the above type of equipment dictates special environment control during repair and operations. The requested air conditioning complies with the basic requirements for this type of facility and Marine Corps Order 11380.1 air-conditioning administrative areas.
9. Effects if the New Facility is Not Provided. The electronics repair facilities of this command will continue to be below acceptable standards.
10. Justification for the Size and Scope of the New Facility. The size and scope has been determined by Marine Corps directive and engineering standards as shown in NAVFAC Dwg. No. 1293365.
11. Justification for the Type of Construction Planned. The facility will be designed and constructed for the anticipated duration of the requirement and giving the lowest cost in maintenance.
12. Alternate Solutions. Continue with the present substandard shop conditions or the construction of an entire new facility.



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<p>13. <u>Plans for Facilities Being Replaced.</u> Returned to Commanding General, Marine Corps Base, Camp Lejeune, North Carolina.</p> <p>14. <u>Status of Preliminary Engineering.</u> Preliminary engineering has not been started.</p> <p>15. <u>Sketch Showing Planned Location of New Facility.</u> Enclosure (1).</p> <p>16. <u>Other Graphic Presentations, Including Photographs.</u> None.</p> <p>17. <u>Action.</u> Requirements of Executive Order No. 11296 (Flood Hazards) are not applicable.</p> <p>18. <u>Pollution Prevention Abatement Control.</u> This Item will not cause additional air or water pollution.</p>				



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