1 COMPONENT NAVY

TOTAL REQUEST

TOTAL REQUEST (ROUNDED)

#### FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE REVISED

1,446

1,400

(0)

(non-add)

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

ELECTRONICS/COMMUNICATIONS

MAINTENANCE SHOP

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER

8. PROJECT COST (\$000)

217-10

P-167

1,100 1,400

ITEM	U/M	QUANTITY	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	make the second	-	(59)
Roads, Parking, Sidewalks	LS			(75)
Site Improvements	LS	-	- 40	(15)
SUBTOTAL				1,306
CONTINGENCY (5%)				65
TOTAL CONTRACT COST				1 371

#### 10. DESCRIPTION OF PROPOSED CONSTRUCTION

SUPERVISION, INSPECTION & OVERHEAD (5.5%)

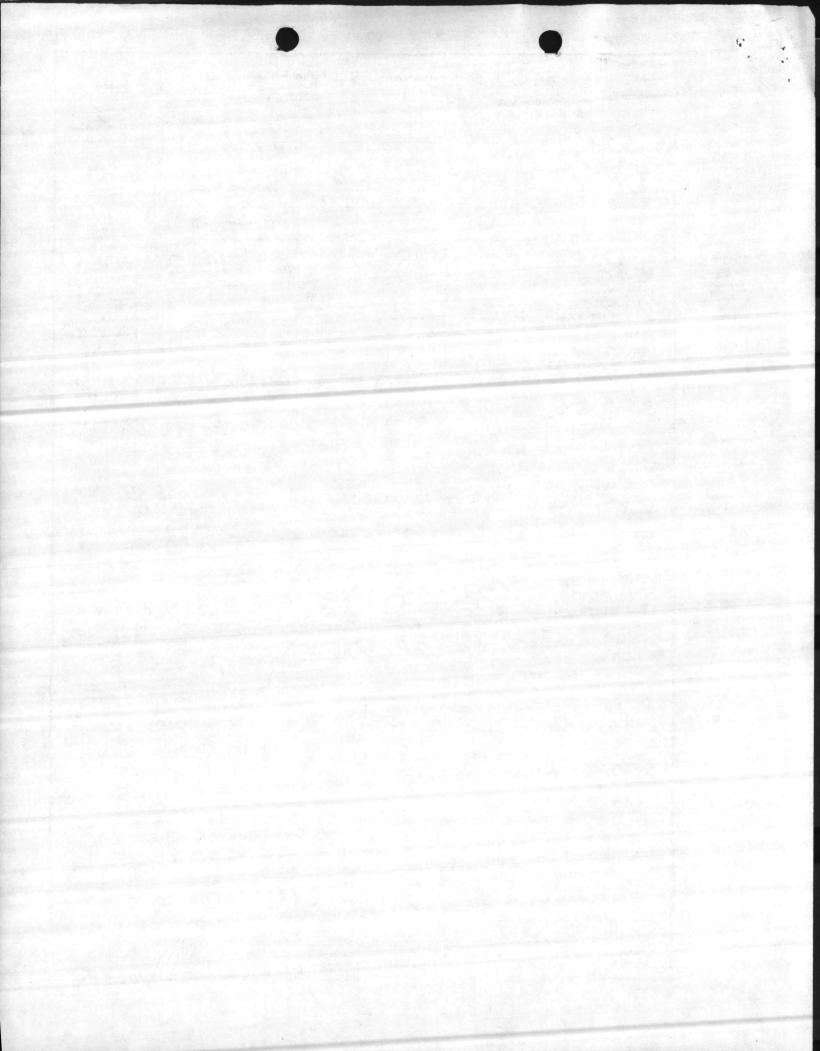
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS

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., exerior 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)

49,485 SF Adequate: 7,834 SF Substandard: 2,400 SF 11. REQUIREMENTS:

PROJECT: Provide an adequate facility for the 8th Communication Bn. to perform 1st and 2nd echelon maintenance on organic field communications gear.

REQUIREMENT: 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.



1. COMPONENT

#### FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

NAVY

1 March 85

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE

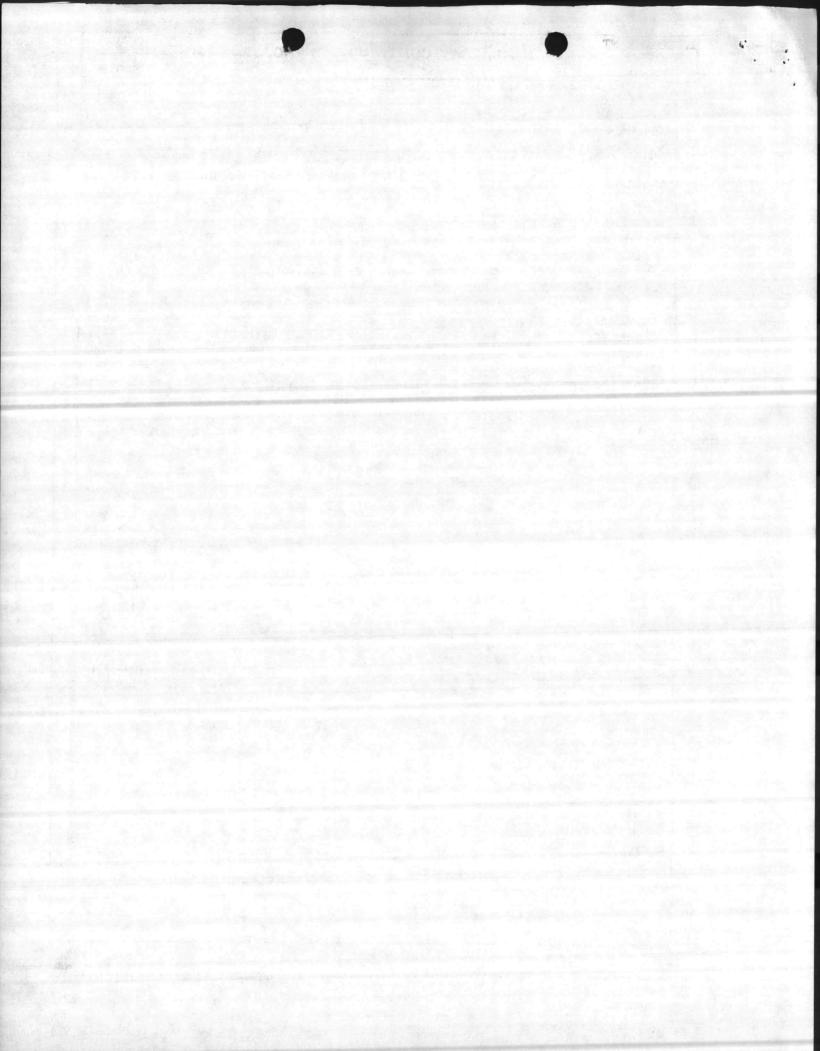
5 PROJECT NUMBER

ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP

P-167

CURRENT SITUATION: 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

IMPACT IF NOT PROVIDED: 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.



1.	COMPONENT	1EV 87	MULTARY	CONSTRUCTION	POJECT	DATA	2. DAT	E
	NAUY	11 -10-	MILLIANI	construction	71.00201		1 Marc	h 8

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE
ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP

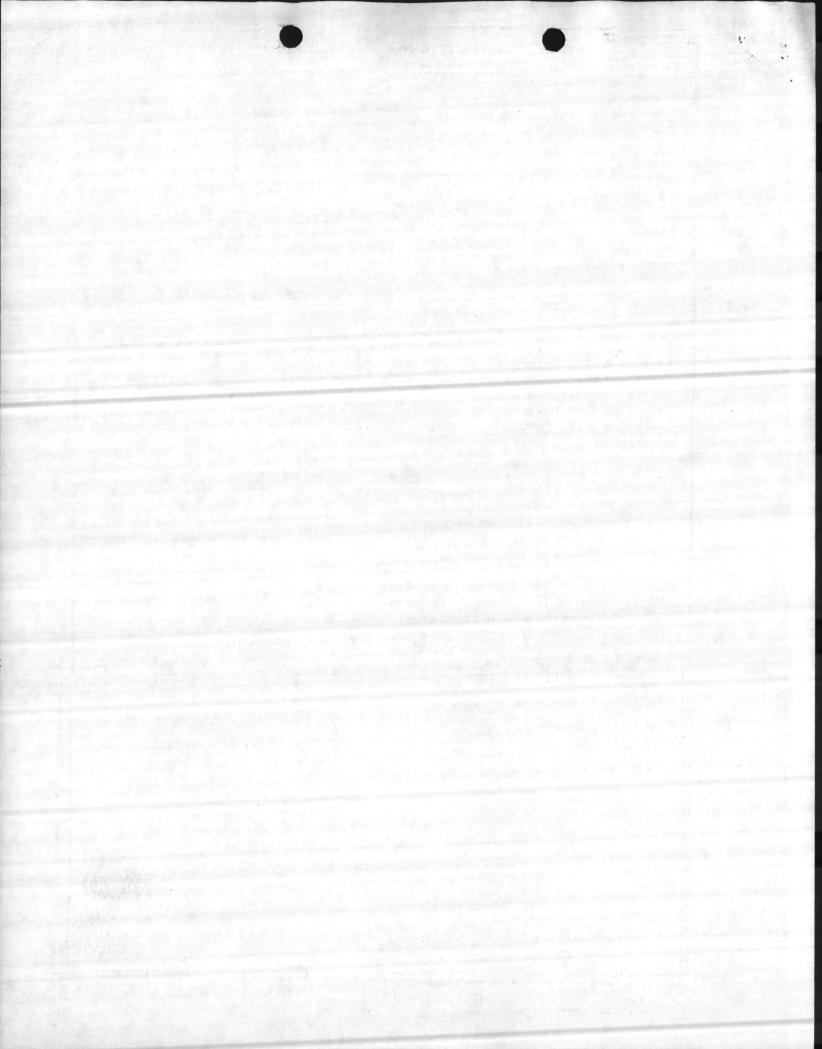
5. PROJECT NUMBER

P-167

#### 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 Commerical or Industrial Activities Program (OMB Circular A-76): Not Applicable.

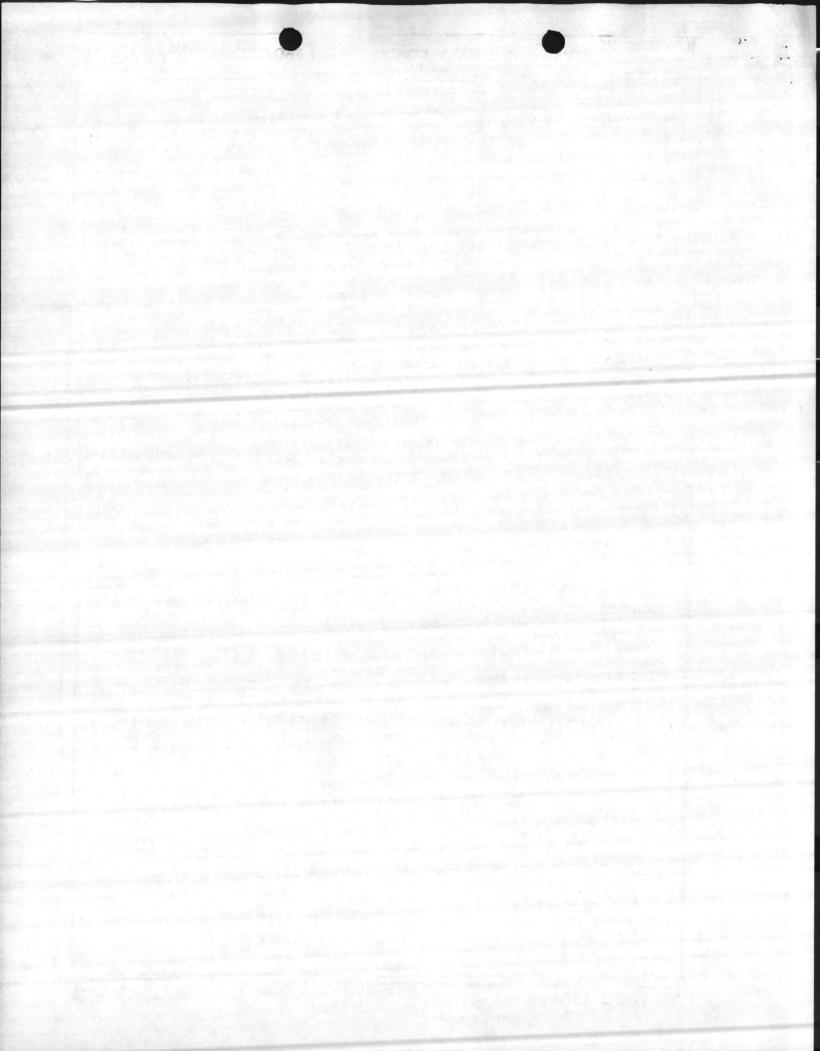
DD FORM 1391c



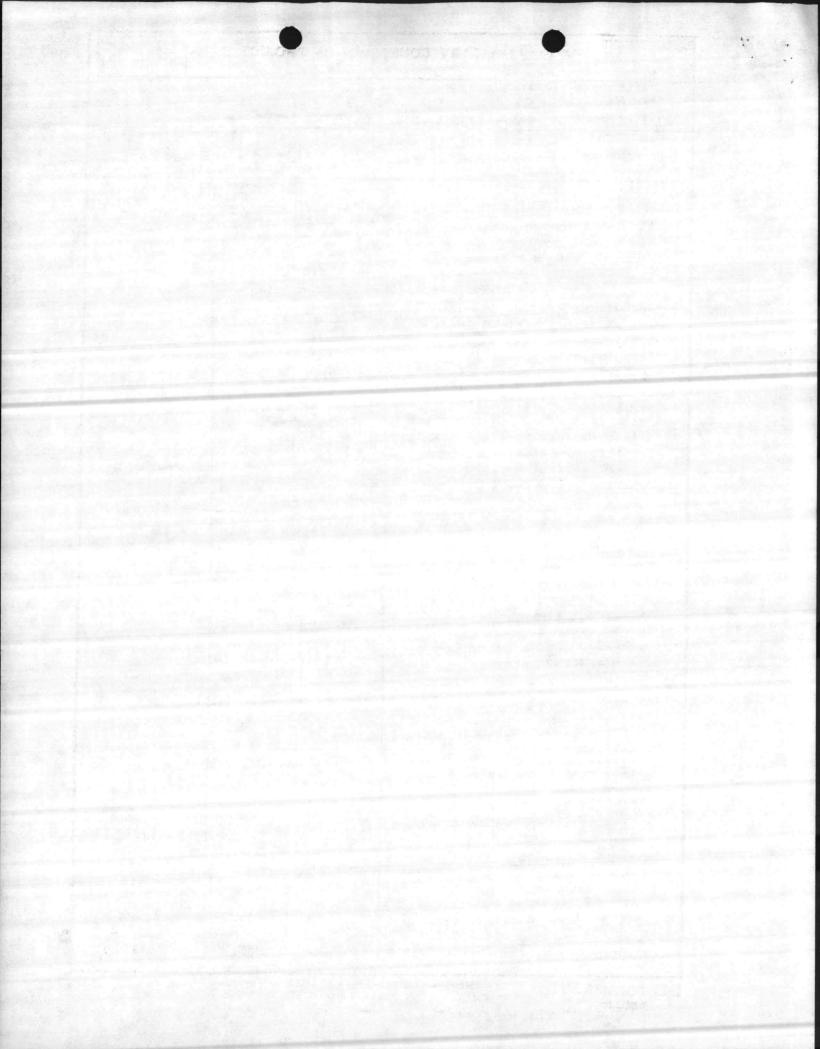
1. COMPONENT NAVY	FY-1987	T DATA 2. DATE 1 March 85
3. INSTALLATION	NAND LOCATION	
MARINE CORPS	BASE, CAMP LEJEUNE, NORTH CAROLINA 28542	
4. PROJECT TITL		5. PROJECT NUMBER
ELEC/COMM MA	INTENANCE SHOP	P-167

#### 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 workweek 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.
- 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 prientation for maximum energy conservation will be utilized.
  - (3) Collateral Equipment: See the following pages.



NAVY NSTALLATION AND LOCATION				A
RINE CORPS BASE, CAMP LEJEUNE, NORTH	CAROL	INA 28	542	to the second
ROJECT TITLE			5. P	ROJECT NUMBER
LECTRONICS/MAINTENANCE MAINTENANCE SH	OP			P-167
COLLATERAL EQUIPMENT:				
(a) Built-In Equipment				The second secon
*Air Conditioning, Heating and		6446		
Ventilating System		SYS		
*Plumbing System * Steam System		SYS		
(interior)		SYS		
*Compressed Air System	4.0	SYS		and the second
*Sprinkler System  *Telephone, Fire Alarm and Inter-		010		
com System		SYS		
*Drinking water coolers		EA		The second second second
*Lockers, wall mounted		EA		
*Locker-room benches, 6'long	P. 11 25	EA		
*Chalkboards, wall mounted		EA		
*Bulletin Boards, wall mounted		EA		
*Blinds, venetian, light tight		EA		
*Counter, dispatchers		EA		
*Exhaust system, overhead,				
fractional HP, 208V, 3 phase		SYS		
*Deluge Shower, w/eye wash, CW		EA EA		
*Acid resistant sink w/bench CW *Exhaust Hood (over) w/fractional		EA		
HP, 120V, 1 phase fan		SYS		
*Grounding system, electronic		SYS		
*Pass window, 4'wide, w/counter		EA		
& "B" label roll down shutter				
(w/fusible link)				
*60/400 Cycle Electrical system		SYS		
with AC/DC Power bus bar and				
transformers				
*Equipment with associated installa	ation	cost.		
2. EXPENSE ITEMS			005 00	4 050
Benches, work, portable, 49x	18	EA	225.00	4,050
28x34"H				
Benches, work, portable 72x28x34"	12	EA	340.00	4,080
belience, work, por easier / Encounty				
Benches, work, stationary 28"Dx	16	EA	375.00	6,000
34"H stl top, std, lead covered				
in battery shop				
Posts him add shalving 1/x2/	6	EA	75.00	450
Parts bin, adj shelving 14x24	. 0	EA	75.00	450
Grinder, bench, 7" w/buffer wheel		1 1	385.00	385



NAVY FY T987 MILITARY CON	STRUC	TION	PROJECT DAT	2. DATE 1 Mar 85
INSTALLATION AND LOCATION				
ARINE CORPS BASE, CAMP LEJEUNE, NOR	ראם כאם	OT TNA	285/2	
PROJECT TITLE	III CAN	OLINA	5. PRO	JECT NUMBER
ELECTRONICS/COMMUNICATIONS MAINTENA	NCE SH	OP		P-167
EXPENSE ITEMS: (continued)				
		1.		
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, 369W & 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

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

Page No. 3 of 8

7,576

1,170

1,323

1,410

1,037

1,440

947.00

146.20

132.27

82.92

61.02

40.00

EA

EA

17 EA

17

36

. 10

size, w/o lock

36"x18" x80-1/16"H

Typewriter, IBM electric, dual

pitch, carbon ribbon, selectric

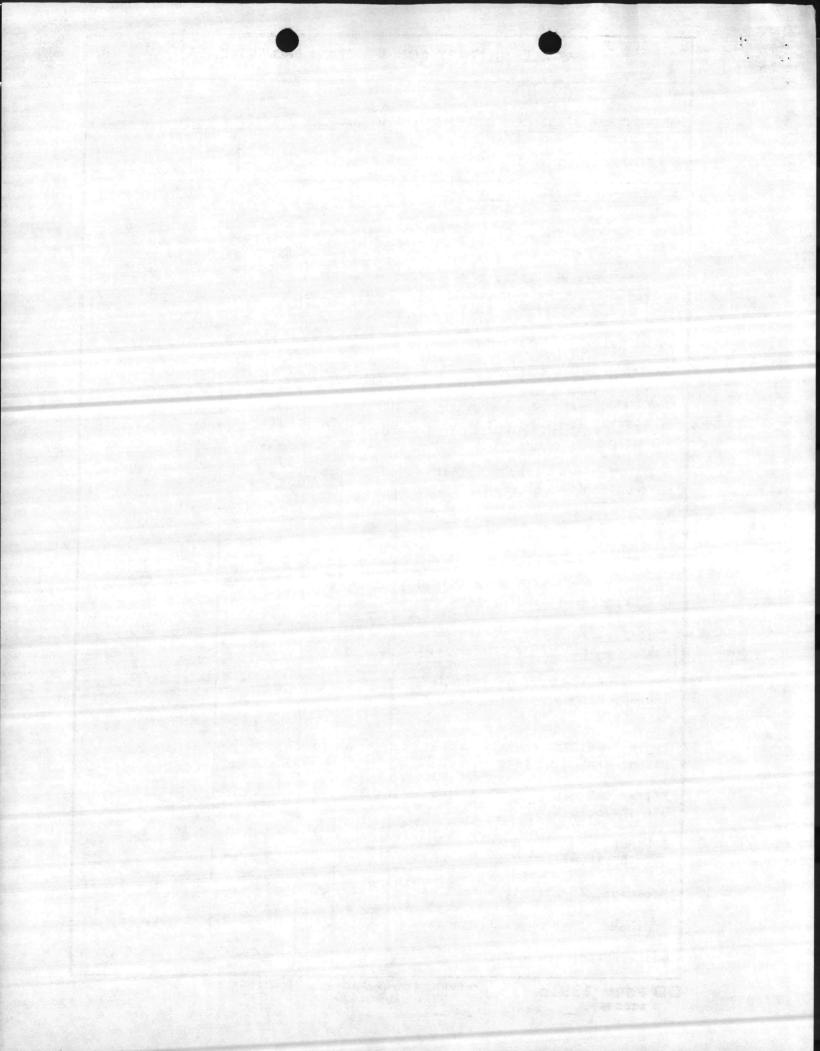
Filing Cabinet, 5 drawer, legal

Bookcase, 48"overall height, parch

Bookcase, 292" overall, parch.

Chair, straight, w/o arms

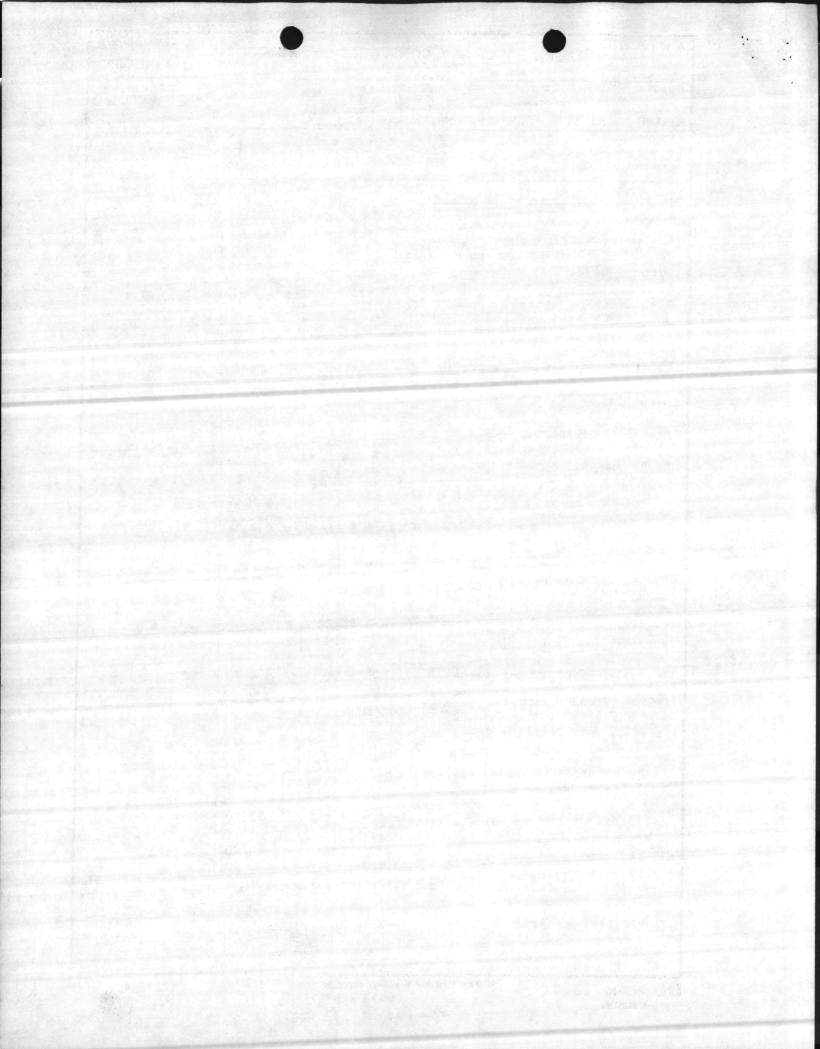
Cabinet, storage, dbl door,



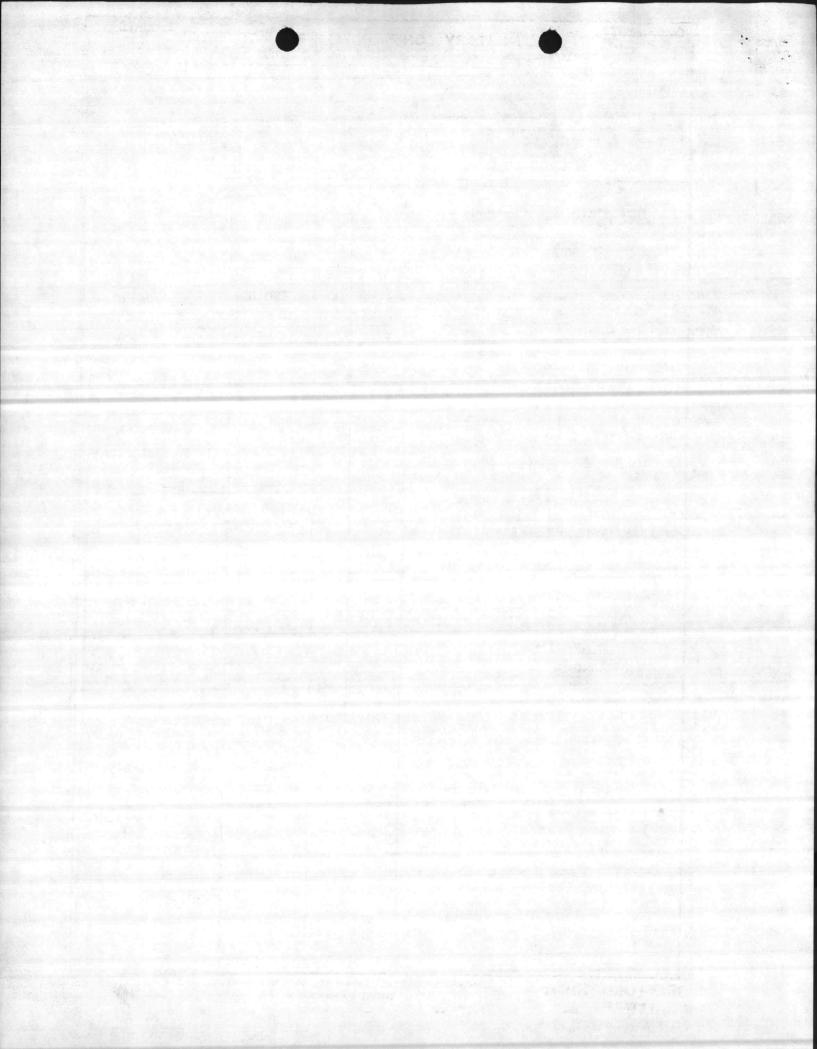
COMPONENT FY 19.87 MILITARY CONS	TRUCT	ION	PROJECT	DATA 2. DATE 1 Mar 85
NAVY INSTALLATION AND LOCATION	· 100			T Hat 03
MARINE CORPS BASE, CAMP LEJEUNE, NORT	TH CAR	AMT TO	28542	
I. PROJECT TILLE	III CAIN	JLINA	5	. PROJECT NUMBER
ELECTRONICS/COMMUNICATIONS MAINTENA	NCE SH	OP		P-167
2. EXPENSE ITEMS: (continued)				
EATENSE TIEMS. (CONCINGED)				
Costumer, wearing apparel, contemporary, 4 dbl hooks round pole w/round base	12	EA	31.50	378
Rack, wearing apparel, contemporary, 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"x2%"	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	90.0	0 270
438EN 10 LP bench 96x36x35½ 5 400 HZ, 60 HZ, 28 VOC on 20A circuit brks w/pilot indicator	12	EA	1,484.0	0 17,808
Rack, security, for mechanics tool boxes, 24 openings	4	EA	2,000.00	8,000
Extinguisher, fire, 15 1b CO <sub>2</sub>	10	EA	85.00	850
Extinguisher, fire, 2½ gal. H <sub>2</sub> 0	11	EA	40.00	400
Extinguisher, fire dry chemical	10	EA	90.0	0 900,

TOTAL EXPENSE ITEMS:

88,328

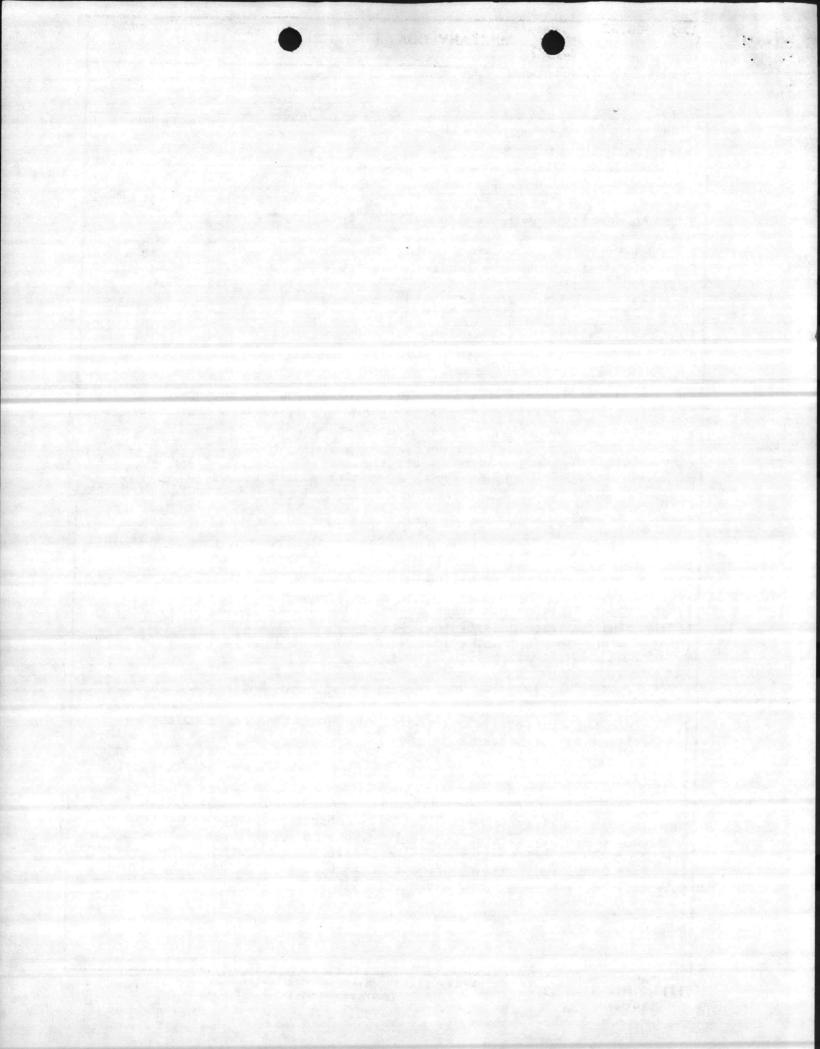


MARINE CORPS BASE, CAMP LEJEUNE, NOR	TH CA	ROLINA	A 28542	PROJECT NUMBER
ELEC/COMM MAINTENANCE SHOP			.	P-167
3. INVESTMENT ITEMS: None 4. APA EQUIPMENT: None				
5. TRAINING EQUIPMENT: (to be local			630.00	1,260
Movie Projector	2	EA	and the second	and the second
Movie Screen	2	EA	120.00	-240
Overhead Projector TOTAL TRAINING ITEMS:  6. EQUIPMENT ON HAND: None	2	EA	412.00	2,234
7. SUMMARY: Expense Costs (O&MMC)				88,328
Training Eqpt.				2,234
EXPENSE ITEMS ACCELERATED TO FY-87				102,992
Beneficial Occupancy Date: April 19	88			



1. COMPONENT	FY-87 MILITARY CONSTRUCTION P	2. DATA 2. DATE 1 Mar 85
3. INSTALLATION	N AND LOCATION	
MARINE CORPS	BASE, CAMP LEJEUNE, NORTH CAROLINA 285	542
4. PROJECT TITL		5. PROJECT NUMBER
ELEC/COMM M	AINTENANCE SHOP	P-167

- (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.
- 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.
- 5. Justification for Project and for Scope of Project.
  - a. Justification for Project.
- (1) Project. Proposed facilities are required to provide a Communication Battalion adequate and secure facilities to perform electronic and communications equipment maintenance.
- (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.
- (3) Impact if Not Provided. Personnel will continue to work in substandard and makeshift facilities resulting in tome consuming and inefficient operations resulting in loss of work time and wasted energy.
- 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.
- 6. Equipment Provided from Other Appropriations. Not applicable.
- 7. Common Support Facilities. Not applicable. There are no common support facilities available in the French Creek area.
- 8. Effect on Other Resources. The project will require approximately \$4,072 per year in increased 0&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.



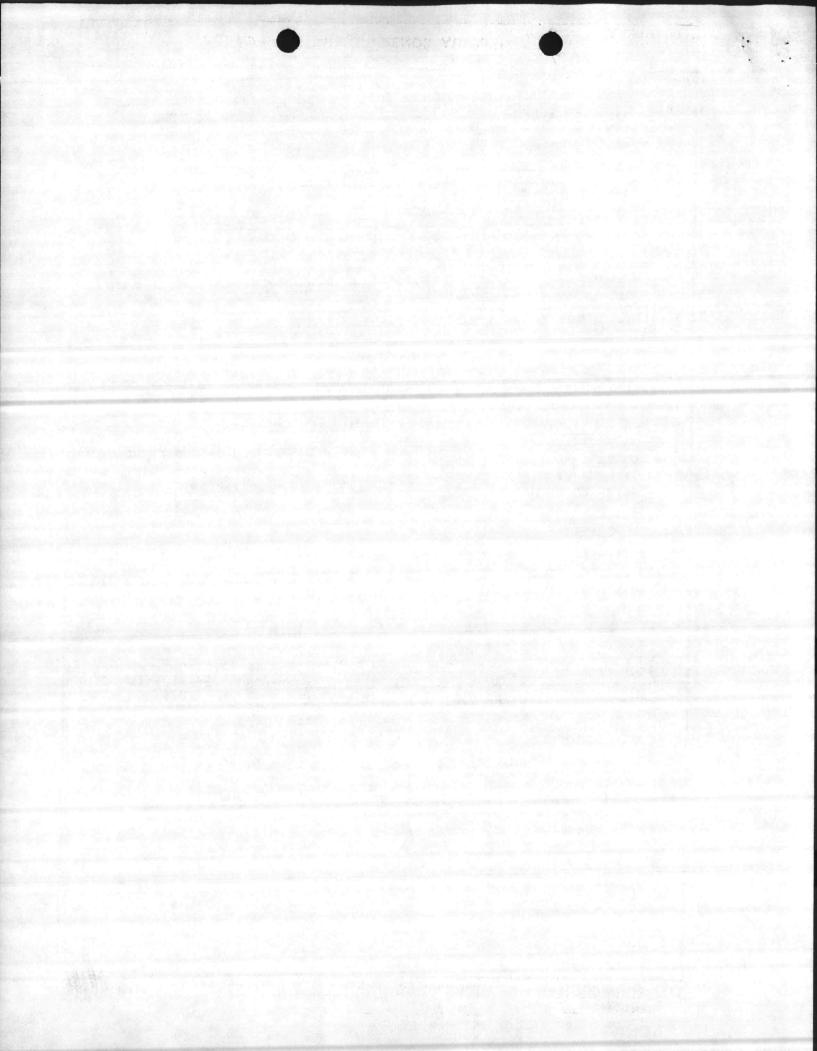
NAVY FY-087 NAVY	MILITARY CONST	RUCTION .	CT DATA 2. DA	
3. INSTALLATION AND LOCATIO	N .		West of the second	
MARINE CORPS BASE, CAM	P LEJEUNE. NORTH	CAROLINA 2854	2 .	
4. PROJECT TITLE			5. PROJECT NUMB	ER
ELEC/COMM MAINTENANCE	SHOP		P-167	
	Utility Req	uirements		
a. Electricity	Consumption	40,166	KWHR/yr	
	Peak Demand Avg Demand	25 23	KW KW	
b. Steam	Consumption Demand	1,801,633 645	lbs/yr 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. <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. 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.

NAVFAC DWG #		ACTIVITY	AREA S	<u>.F.</u>
1293363 1293362 1293366 1293361 1293365 1293366 1293364 1293366	•	2d Radio Bn H&S Bn Maint Bn Lnd Sup Bn . Comm Bn MT Bn Engr Bn Sup Bn	3,950 3,300 6,100 11,725 3,300 4,760	U.C.
		TOTAL:	46,185	



1 Mar 85

3. INSTALLATION AND LOCATION

NAVY

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE

5. PROJECT NUMBER

ELEC/COMM MAINTENANCE SHOP

P-167

b. Existing Facilities. NONE

c. Planned Facilities.

Project No.	Area SF	Status
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.

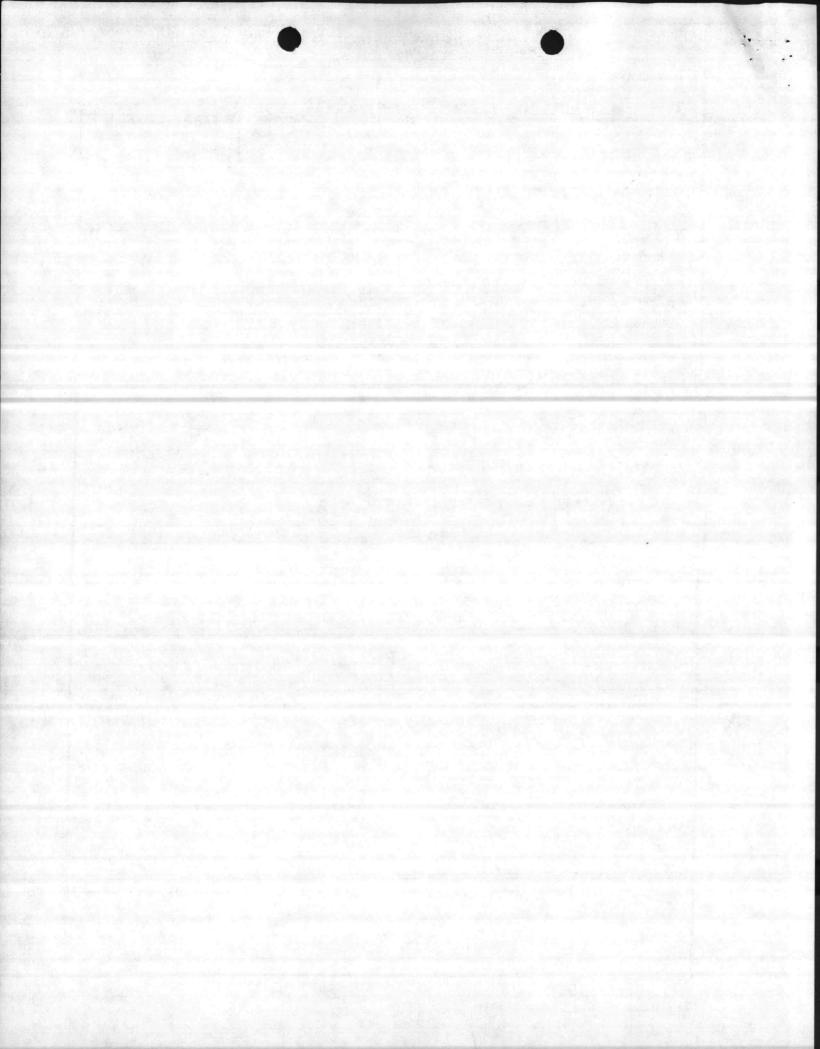
SUBTOTAL

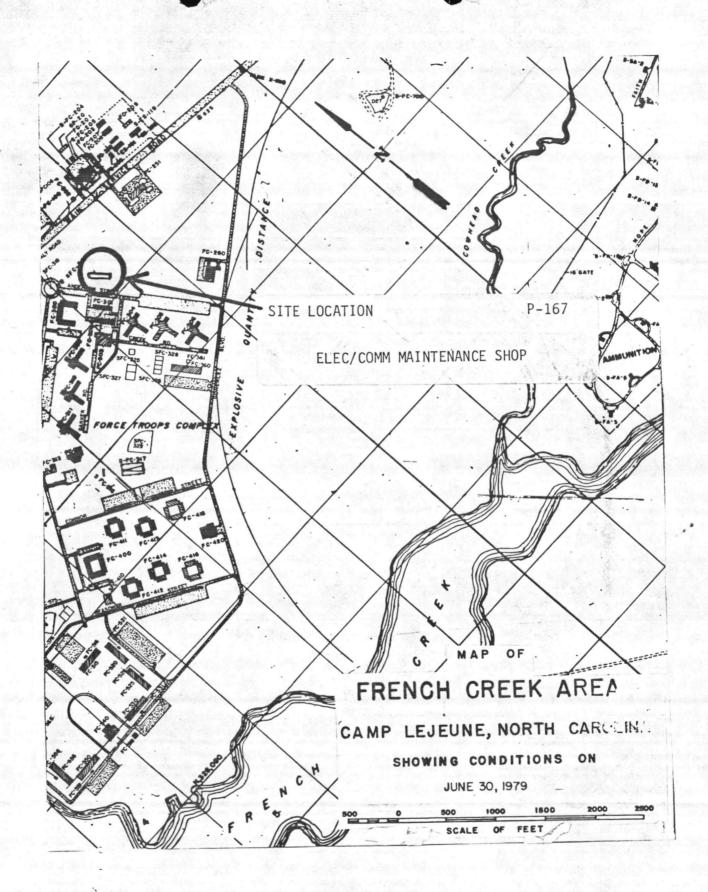
46,185

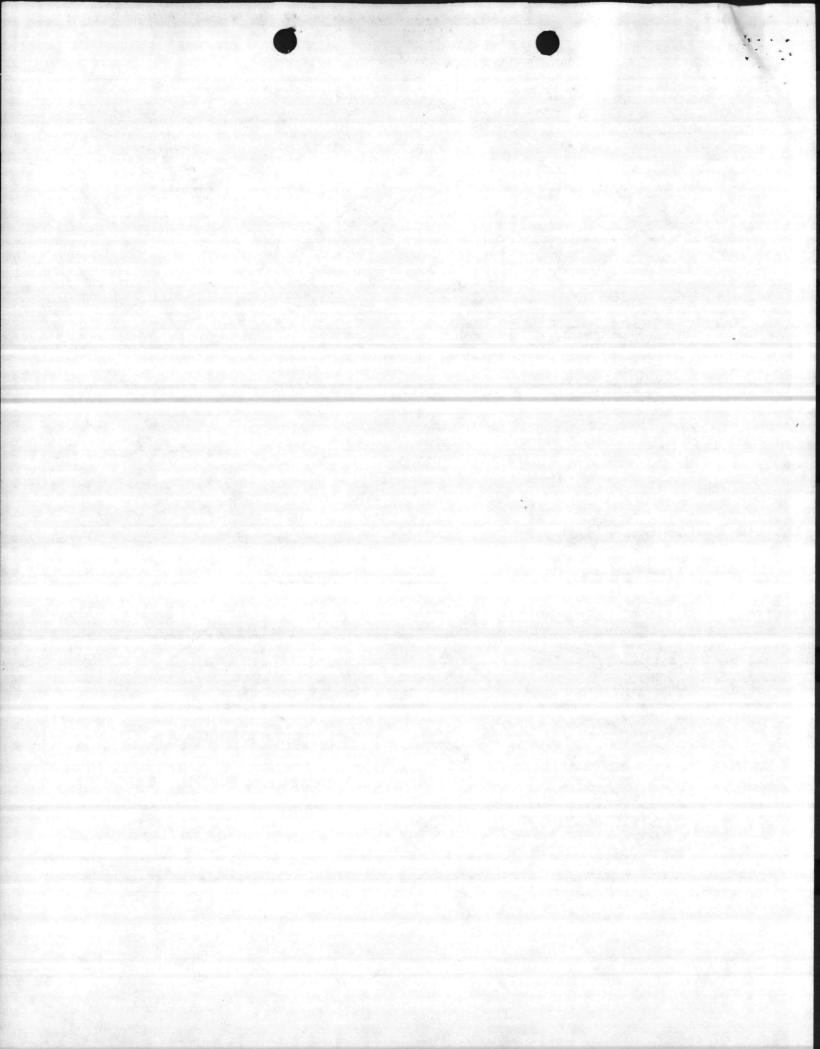
d. Existing Adequate Facilities 9,750 Planned Facilities 36,435 Total Planned & Existing 46,185

BFRL TOTAL

46,185







# TELEPHONE CONVERSATION RECORD

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

DATE

31 May 85

TIME (Began-Completed)
1500 - 1510

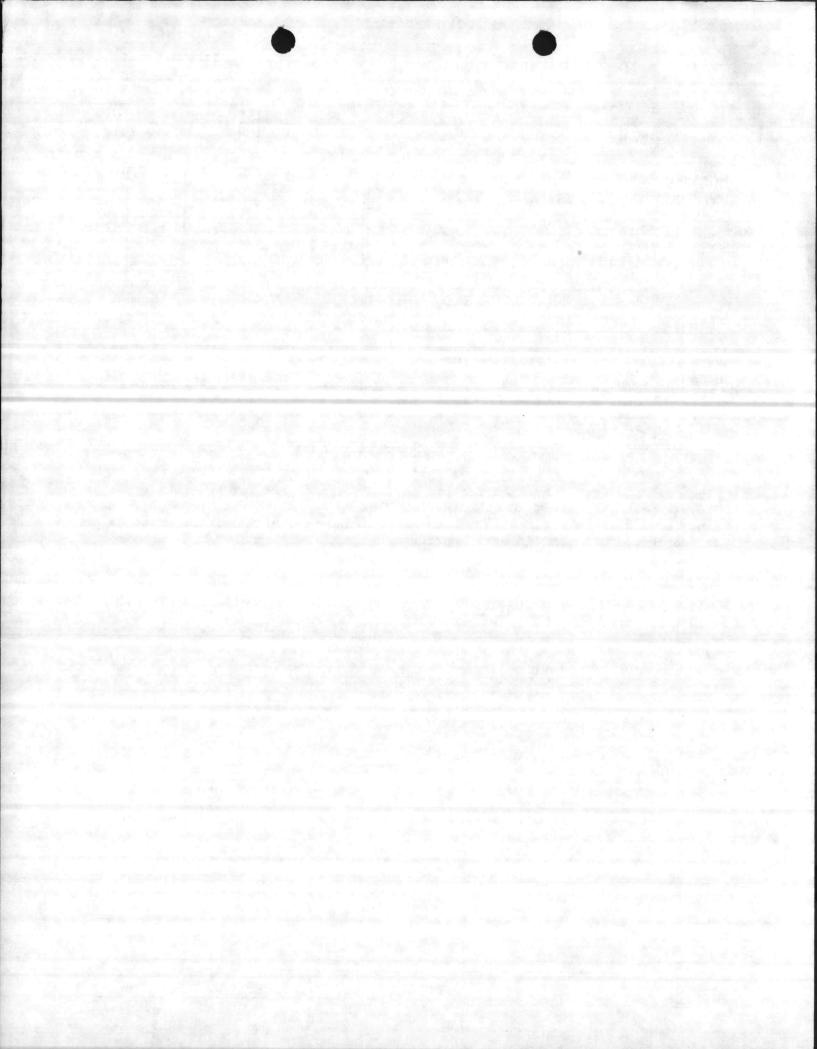
TO:	Chief	of	Sta	Ħ,
-----	-------	----	-----	----

ORIGINATOR	ROUTING			
(Name, Title, Location & Telephone Number Charged)	ACTIVITY OR NAME	ACTION	INFO	INITIAL
Fred W. Estes, Jr. Planning Section		1 4 9 3		
PERSON CALLED (Name, Title, Location & Telephone Number Charged)				
Steve Vines, CMC Code LFF-1	COMMENTS			
SUBJECT				
FY-87 MILCON Project P-167 Elec/Comm Shop				
COST OF CALL (MCB Units Only)  CHARGEABLE TO NOT CHARGEABLE TO				

SUMMARY OF CONVERSATION

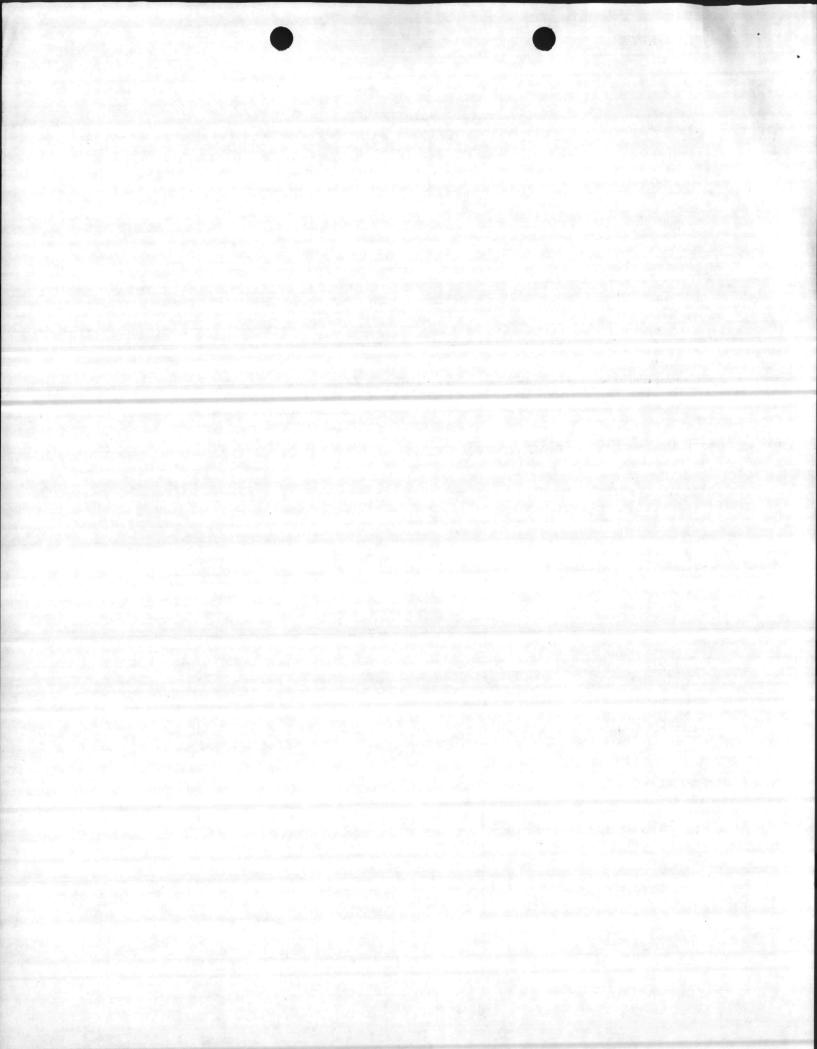
Fred called Steve Vines in reference to the scope change for the subject project. Steve Vines advised him to submit a new BFRL, data on the new T/E change and a new DD-1391. He later called back and said he needed this information as soon as possible, for congressional hearing.

COPIES TO: SIGNATURE Fred W. Estes, Jr.



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

Items for Discussion	User Comments
01 Foundation System	
02 Slab on Grade	
O2 Staustand System	
03 Structural System (a) Clearances/Headroom	
(b) Columns @ 16' bay	
spacing	
(c) Load bearing interior	
walls	
Of Supported Floor System	
04 Supported Floor System	
05 Stair System	
(a) Metal pan type	
06 Roof System	
(a) 4 ply built-up	
(b) Gutters and	
downspouts	
07 Futanian Wall System	
07 Exterior Wall System (a) Jumbo brick with	
8" CMU back-up	
(b) Rigid cavity with	
U of .10 or less	re 기업을 열하는데 15 kg/(1984) 그리고 있었다.
(c) Perimeter insulation	
08 Interior Finishes	
(a) Floor: Exp.	
concrete w/ hdn'r?	
Resilient tile?	
Resilient base?	
Cer. tile in toilets	
(b) Walls	Comigloss?
Painted CMU	Semigloss? Second level only
Painted drywall C.T. wainscot	Toilets and janitor's closets
(c) Ceilings	TOTTOGO GITA JUNIOU O STOCKE
Acoustical bd?	Admin, corridors
Gyp board	Water res. toilets and janitors
Exposed struct.	High bay maint. areas



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?

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?

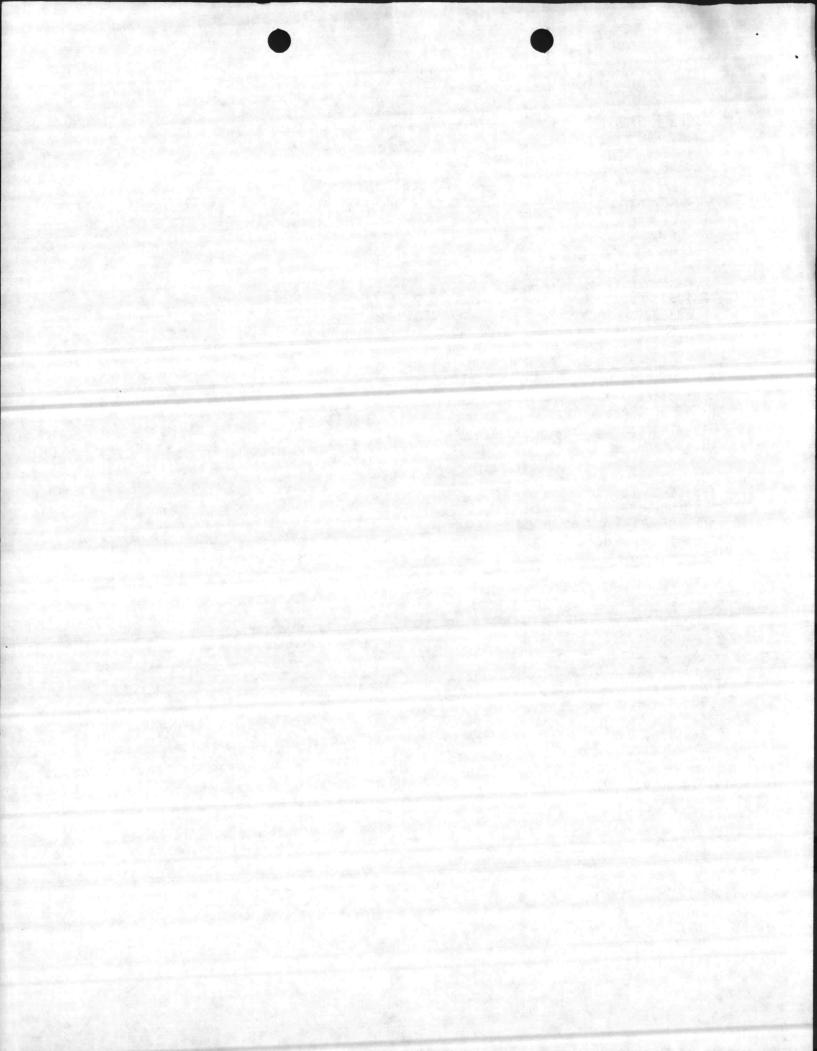
12 Heating, Ventil.

16 Air Condition.

18 Engine Exh. System Where?

19 Vacuum System: Where? CFM? Use? Hollow metal throughout?

Cylindrical? Mortise?
Master? Grandmaster? Great Grandmaster?



20	Compressed	Air:
	Where?	
	CFM?	
	Use?	

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

26 Sprinkler System

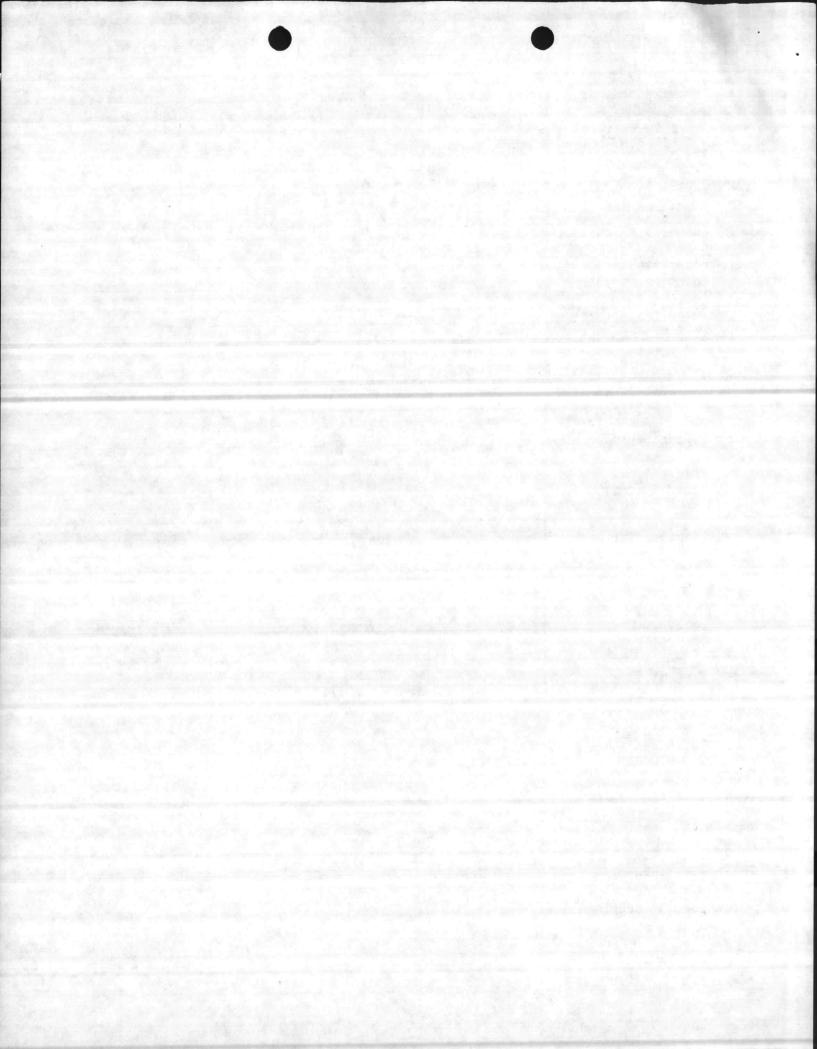
28 Fire Alarm System

31 Power System

32 Lighting System

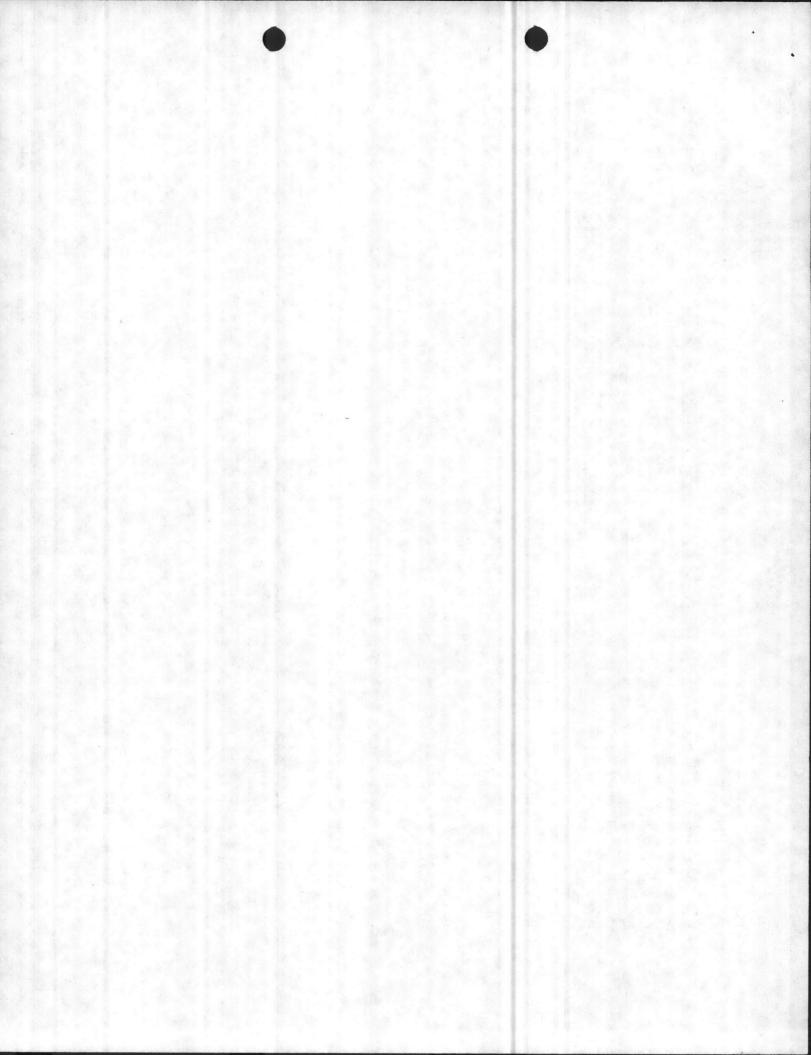
35 400 HZ power

- 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

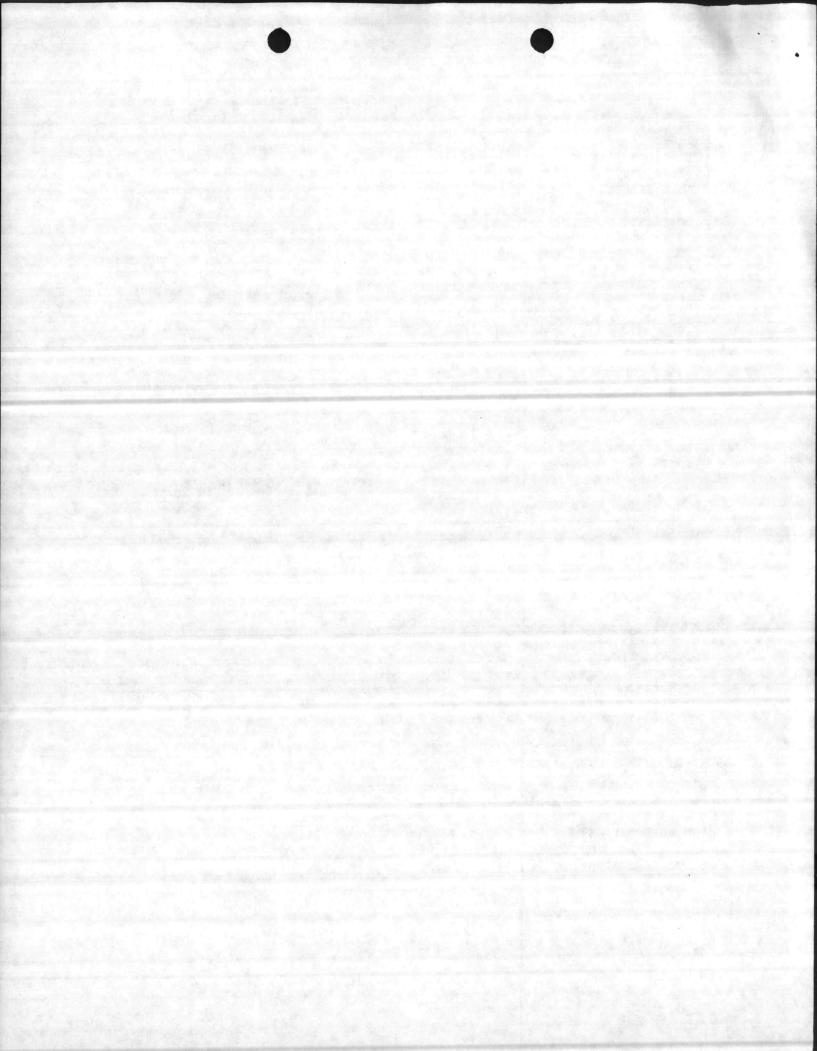


64 Fuel Distribution	
Location?	
Pumps (quantity)	
Diesel? Gas?	
Tank size?	
2-6000 gal?	
Fiberglass?	
74 Parking:	
Curb?	
Gutter?	
we have a compared to the comp	and the state of t
75 Sidewalks	
75 Sidewalks	
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78 Storm Drainage	
70 Scoriii Bramage	
	Section 2015 and the section of the
79 Site Earthwork	
Disposal?	
ayan ayan ayan iyada aray ada da aharay ay aray aharay aharay aharay aharay aharay aharay aharay aharay aharay	
80 Borrow from where?	
and the state of t	
81 Topsoil/seed?	
Any borrow?	
OF Faraina	The state of the s
85 Fencing: (a) Chainlink?	
(b) Height?	
(c) Barbed wire?	
(d) Gates?	
Slide?	
Swing?	College Control (Control (Cont
88 Piling	
Noise & Acoustics?	The state of the s
High noise areas?	
Occupant Personnel	
Load	
P-167	
P-027	
0	
Occupancy?	Industrial

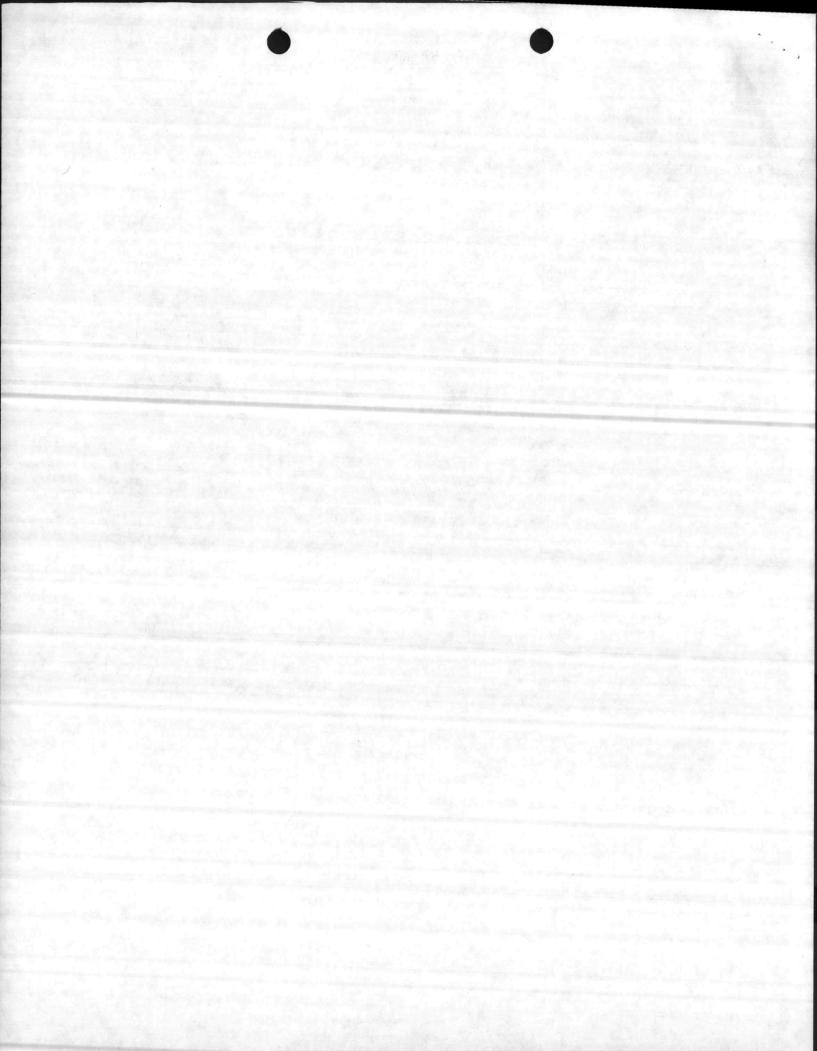
12.

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And the second s



Hazard of Contents Low? Ordinary? High? Paint Room



PREPROPOSAL CONFERENCE MEMORANDUM

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:

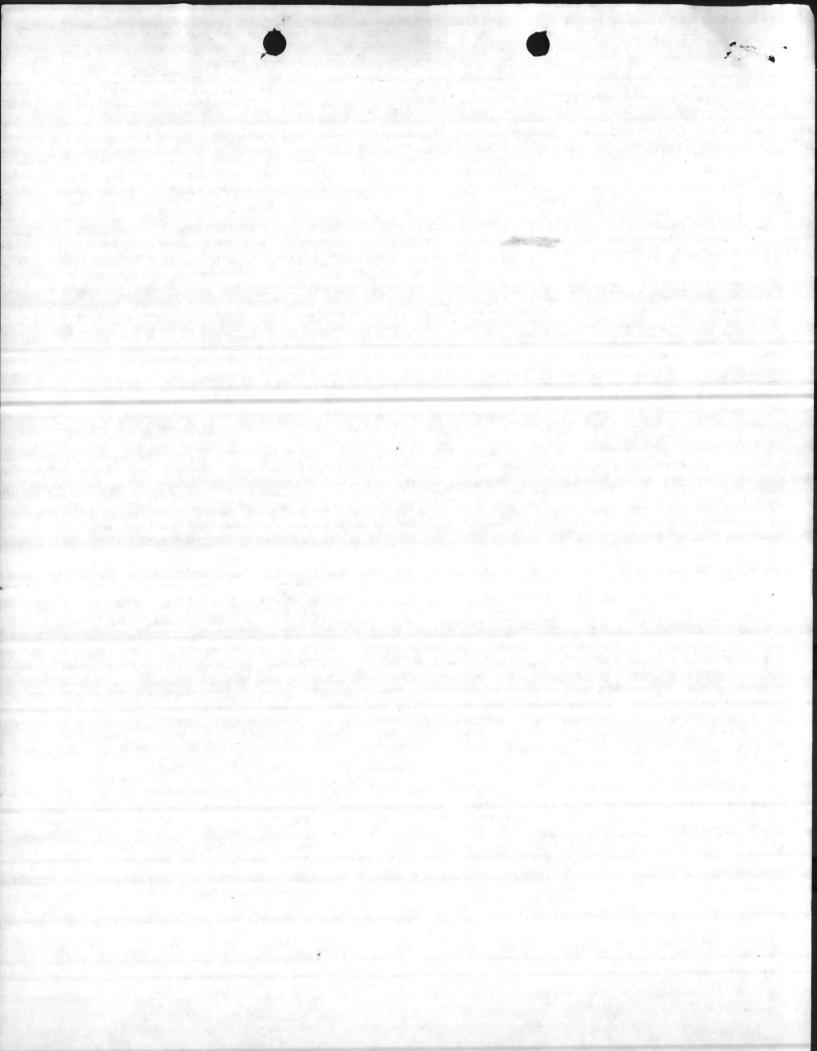
See Attached "List of Attendees"

#### COMMENTS:

 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.

3/

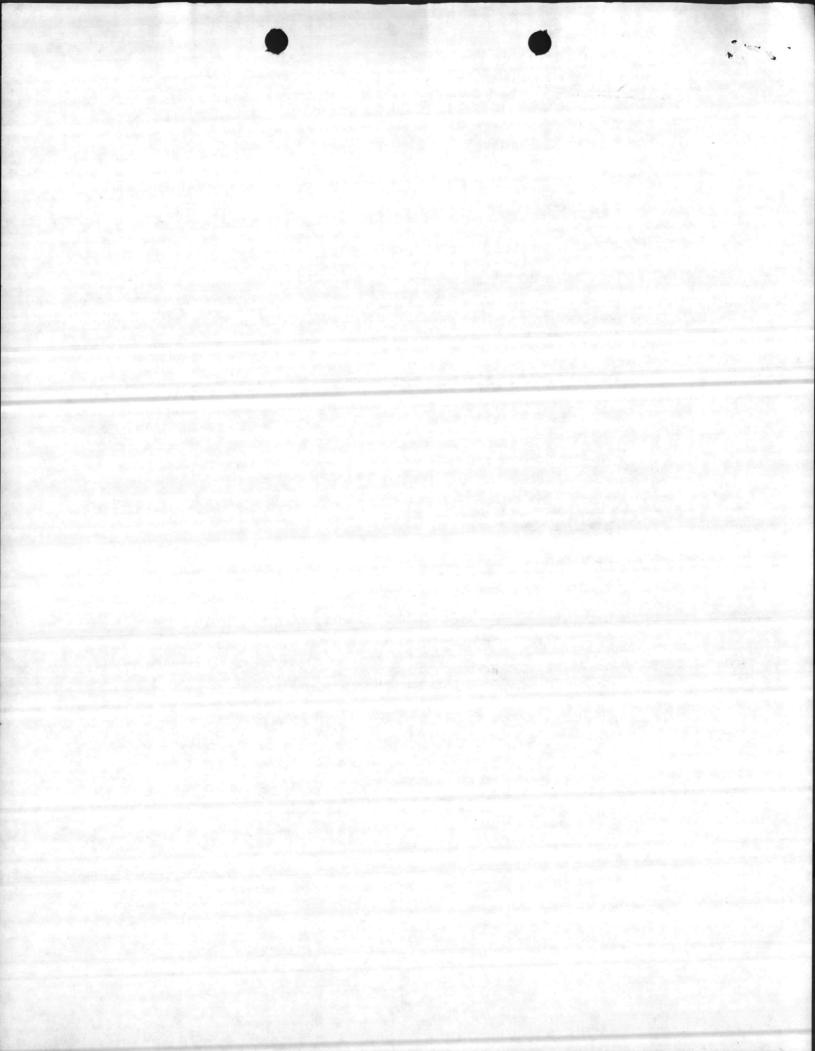


 The user has indicated the need for special ventilation in the Radio Teletype Shop because of the nature of a cleaning solvent used.

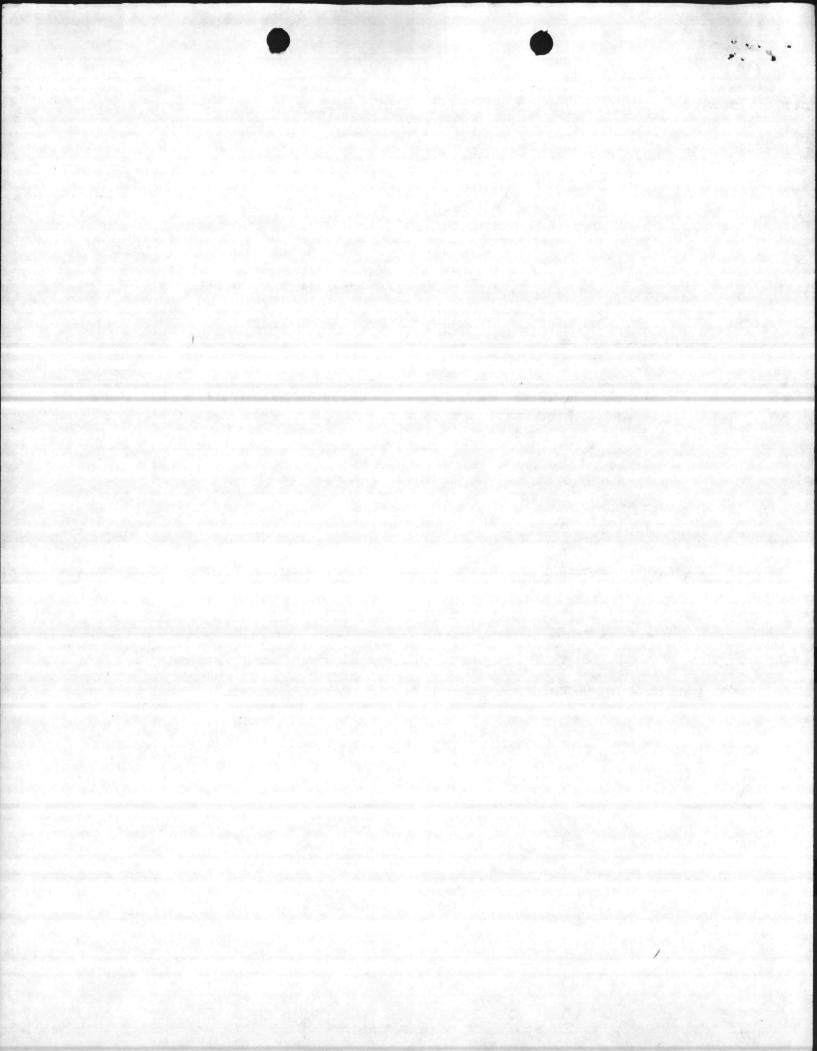
7. In the Battery Shop, both Lithium and Nickel-Gadmium batteries will be stored. Since these two types of batteries are incompatible, there needs to be a separation between types of batteries.

- 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.

Not Needed Now



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 Mr. Maxey Bryant cc: Mr. Gene Jones Mr. Gary Colehamer 585101-000



# REPORT OF CONFERENCE

LOCATION:

Bldg. 1005, Public Works, MCB, CLNC

TIME & DATE: 24 Jan 85 0900

SUBJECT:

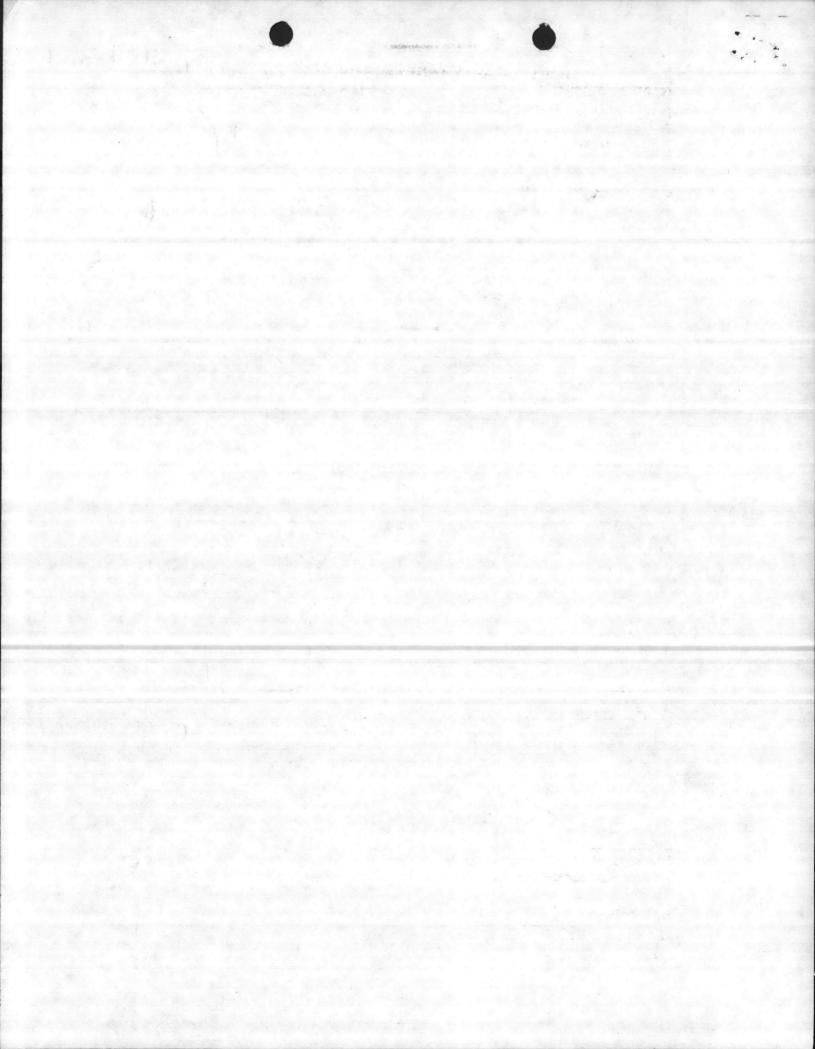
ELEC/COMM MAINTENANCE SHOP

PURPOSE:

PRENEGOTIATION MEETING

## LIST OF ATTENDEES

	LIST	OF ATTENDEES		
NAME	RANK	TITLE	ORGANIZATION	TELEPHONE NO.
LARRY BRANT	CIV	PLANNER	PULLIC WORKS CLIC	(9)451-1833
ROBIN DAVIS	CN	ARCH/CE	CTHL ARCHITECTS	11
Phillip J. AHTIS, SEE	CIV	Vice Pres.	PUID CLAR	919-451-183-
JONES EG	CIV	PLBRMgn		1
NUNNERY, W.D.	ISTAT.	CEMO	87# Comin Buchne	
PFIFREY, O.G.	CAPT CWO-4	54 mmo	8th CommBr.	3486
BARINEAU R.C.		1 100	L	3661/1866
D.B. FISHER	maysat	PROJ MER	- ALTON	(804) 444 9678
MAXEY L. BRYANT	CIV	ARCHIT	The second secon	(804) 144 996
GARY COLEHAMER	CIV	THE THE	Base Telephonev	(919) 431-2941
Hotsenpiller, Jim T	Civ	let rome	Mass yeary	0 10 451-1833
F.W. ESTES, JR	CIV	Planning En	BY PWD, CLUC	719-131103
1.00			·	•
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NAVY FY 19 87 MILITARY CONSTRUCTION PROJECT DATA						2. DATE 15 Jun 84.	
MARINE CORPS BACAMP LEJEUNE, 1			LEC/CO	MM MNT SHO	O <b>P</b>	,	
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT				8. PROJE	1,400	(\$000)	
ESCALATED TO	APRIL 1987 9. CC	ST ESTIMATE	S				
	ITEM		U/M	QUANTITY	UNIT	(\$000)	
Building Built-in Equip Solar Hot Wate SUPPORTING FACID Special Constitution Utilities Roads, Parking Site Improvem SUBTOTAL CONTINGENCY (5% TOTAL CONTRACT	er System LITIES ruction Features g, Sidewalks ents		SF SF LS LS LS LS LS	11,725 11,725 - - - - - -	96.88	1,136 (912) (193) (31) 170 (21) (59) (75) (15) 1,306 65 1,371 75 1,446 1,400	

10. DESCRIPTION OF PROPOSED CONSTRUCTION

EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS

TOTAL REQUEST (ROUNDED)

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 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.

CURRENT SITUATION: The maintenance program is being carried out in substandard 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

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PREVIOUS EDITIONS MAY BE USED INTERNALLY

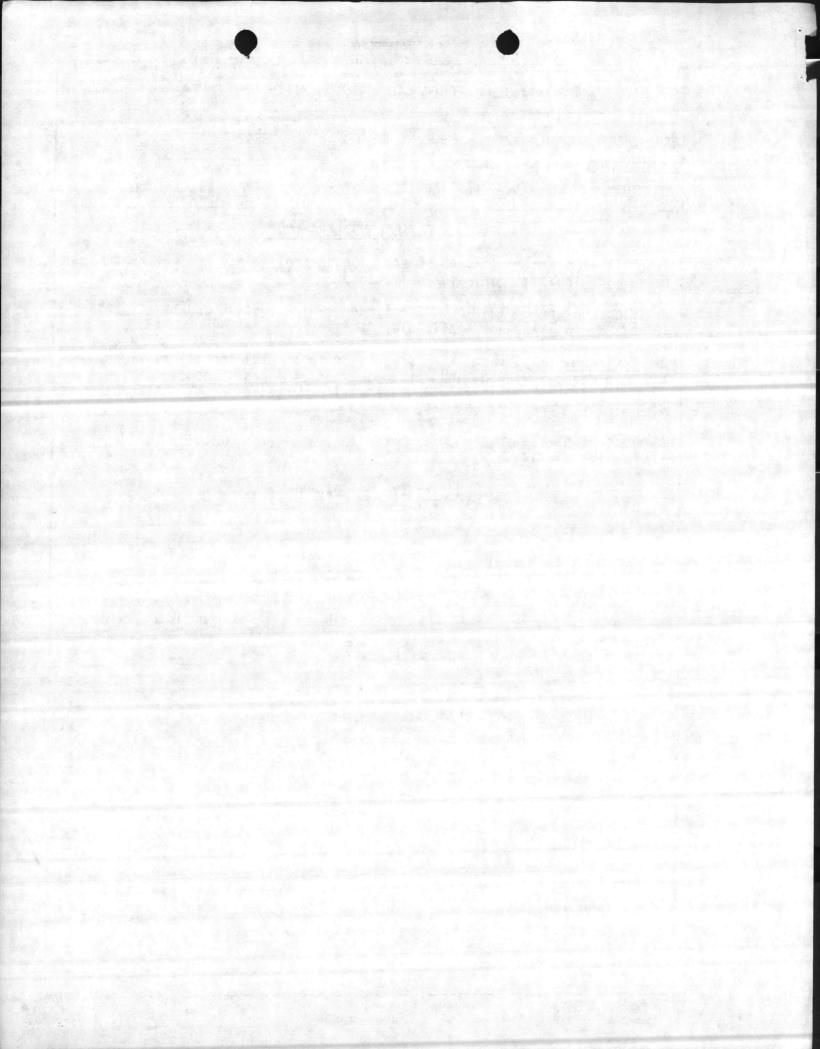
PAGENC. 1 of 2



1. COMPONENT NAVY	FY 19_87_MILITARY CONSTRUCTION PROJECT DATA	2. DATE 15 Jun 84
3. INSTALLATION MARINE CORPS	BASE, CAMP LEJEUNE, NORTH CAROLINA 28542	
4. PROJECT TITLE ELEC/COMM N	1AINTENANCE SHOP	P-167

#### 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 has been made, reviewed, and where required, the design concepts give consideration to eliminating adverse environmental effects consistent with applicable directives.
- 4. Fallout Shelter Construction: Fallout shelter protection is incorporated in the facility.
- 5. Design for Accessibility of Physically Handicapped Personnel: Provisions for physically handicapped personnel are not required in this facility.
- 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: 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.



1. COMPONENT

FY 19\_2 MILITARY CONSTRUCTION PROJECT DATA

NAVY

FY-1987

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE

5. PROJECT NUMBER

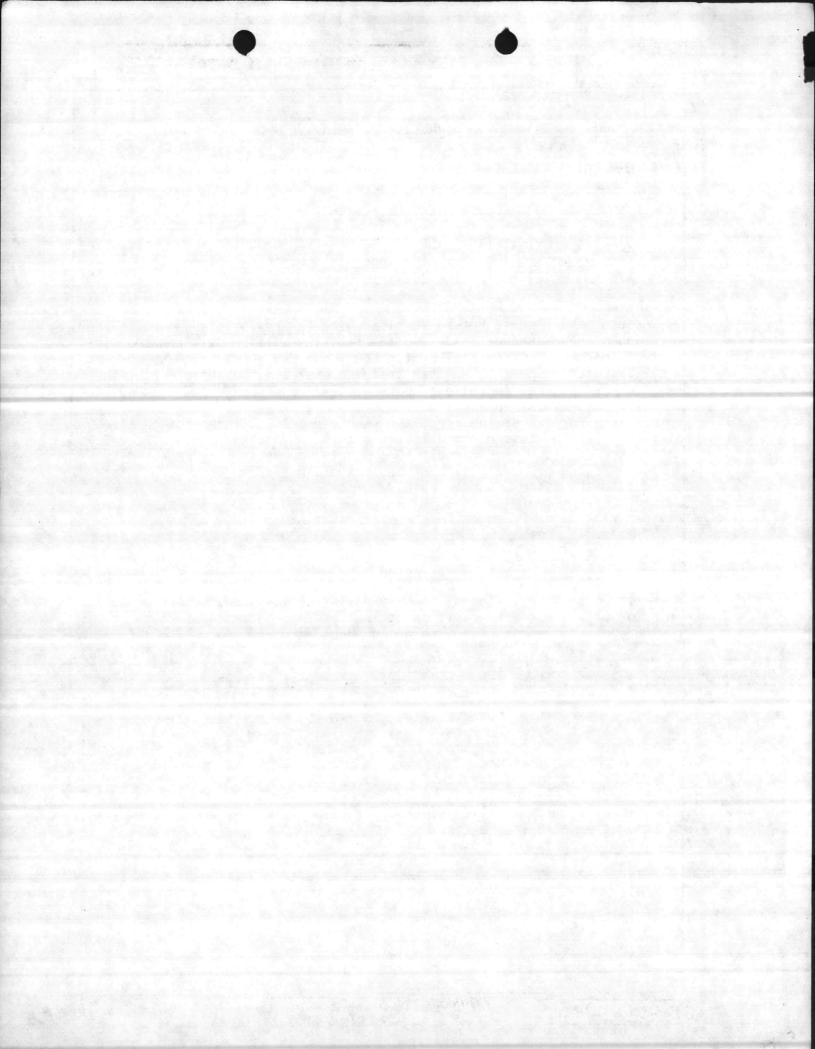
#### FACILITY STUDY

P-167

- 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. 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 workweek 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.

FLEC/COMM MAINTENANCE SHOP

- (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) <u>Primary Facilities</u>. 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 prientation for maximum energy conservation will be utilized.



MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE

5. PROJECT NUMBER

ELEC/COMM MAINTENANCE SHOP

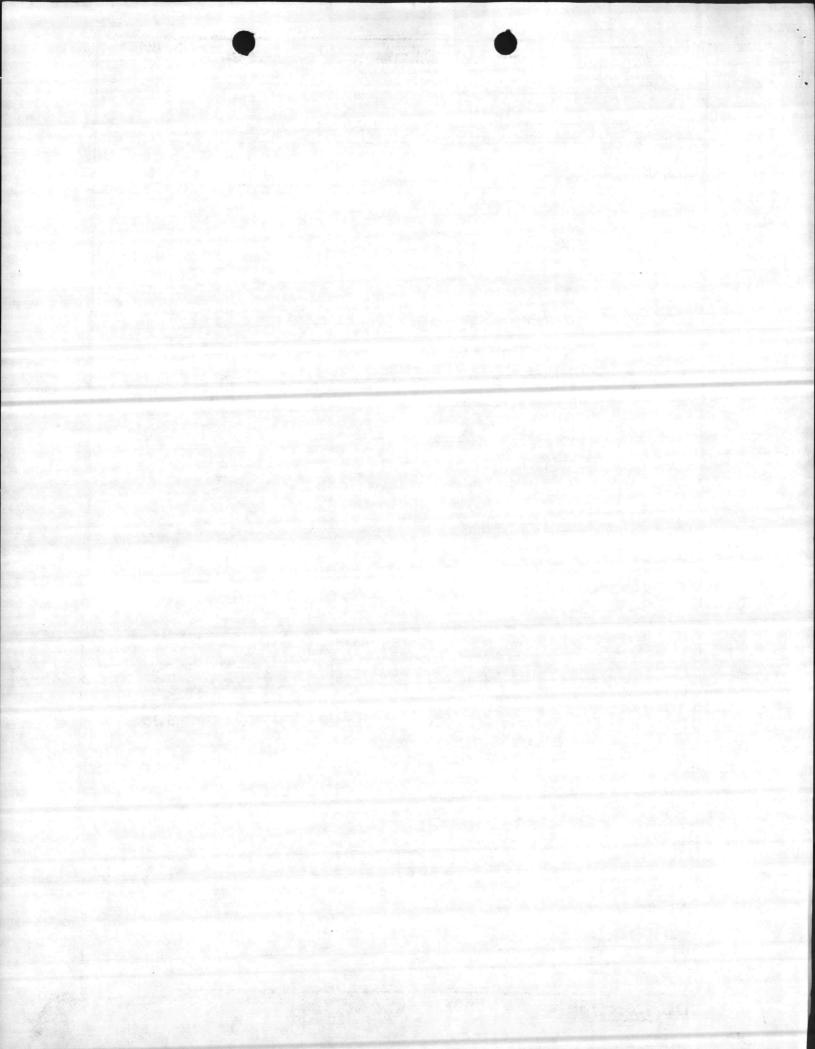
P-167

#### (3) Collateral Equipment.

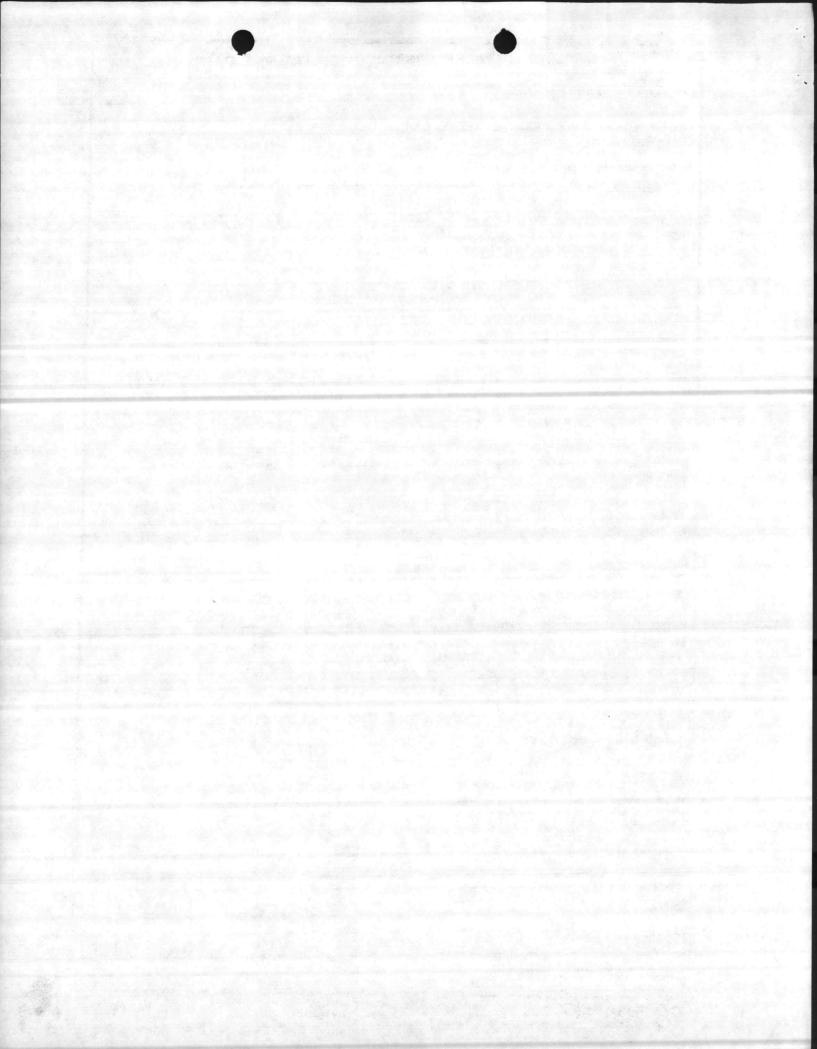
#### (a) Built-in (MCON Funded)

#### 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

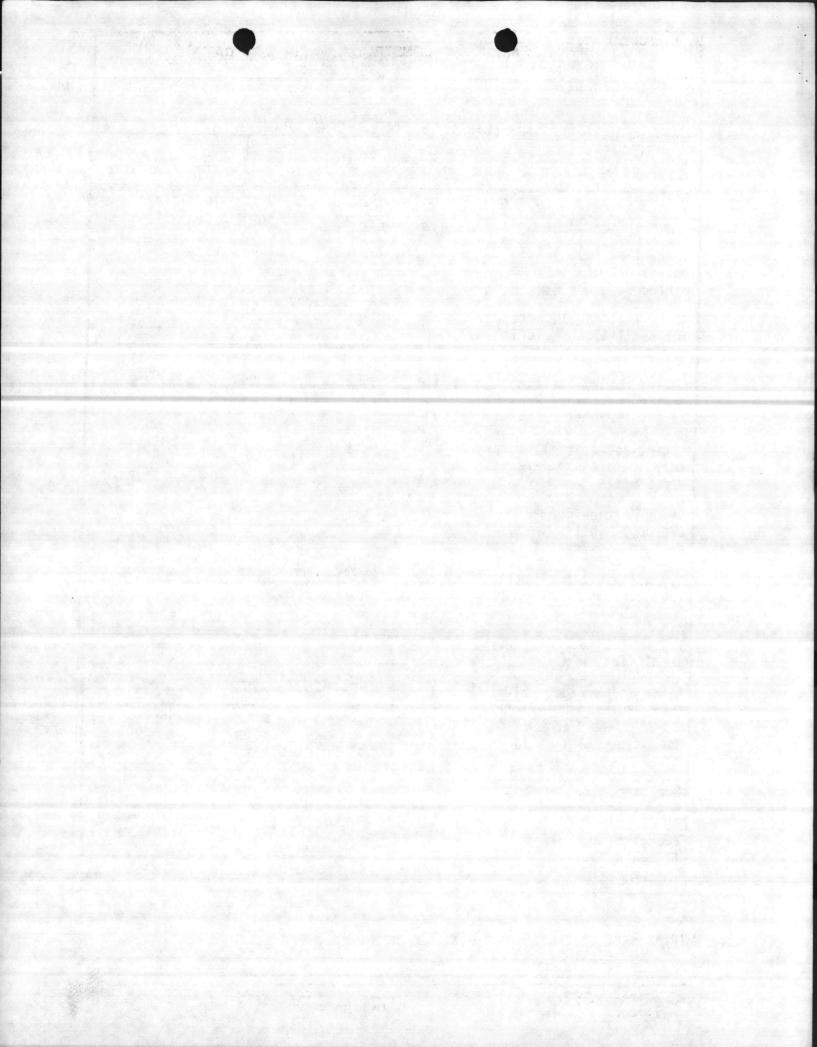


ARINE CORPS BASE, CAMP LEJEU	NE, NOR	TH CAROLINA	28542	
PROJECT TITLE			5. 5	P-167
ELEC/COMM MAINTENANCE SHOP	41	•		
*Pass Window, w/counter & " roll down shu fusible link)  *60/400 Cycle with AC/DC Po	B" labe tter (w	el // cal System		
transformers	iner bus			
*Equipment with associated in	stallat	ion cost.		
(b) Expense Items				
Description	Qty	Unit of Issue	Unit Price	Total Cost
Benches, work, portable, 18"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	6	EA	75	450
Grinder, bench, 7" w/ ouffer 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, 5 shelves, 36"W & 84"H	24	EA	90	1,080
Desk, flat top, dbl ped, 50"x30", walnut pattern	3	EA	315	945

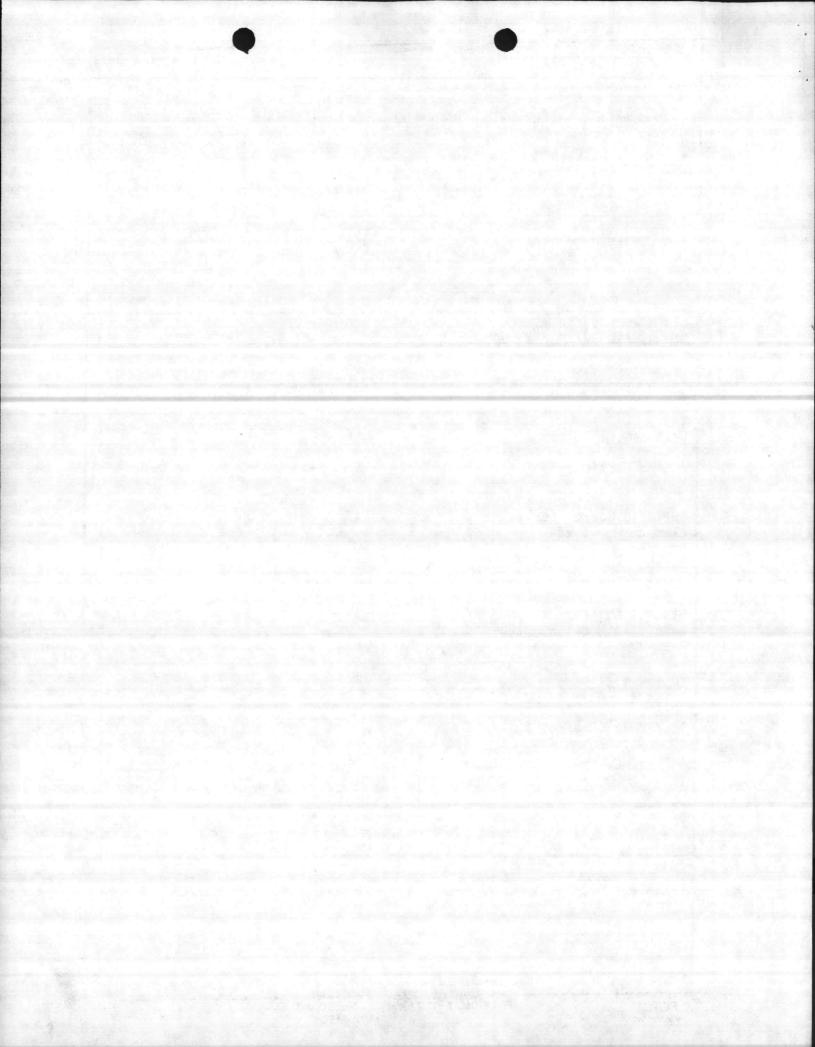


INSTALLATION AND LOCATION				
ARINE CORPS BASE, CAMP LEJEUN FROJECT TITLE LEC/COMM MAINTENANCE SHOP	E, NOR	TH CAROLINA 2	5. PR	OJECT NUMBER P-167
Description	Qty	Unit of Issue	Unit Price	Total Cost
esk, flat top, 45"x30" alnut pattern top, no verhang	8	EA	240	\$1,920
Desk, flat top, w/attach For sec'l & gen. clerical Durposes	8	EA	275	2,220
Chair, rotary, tilting seat & back, adj. seat neight, 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	12	· EA	20	240
Chair, straight, w/o	36	EA	70	2,520
Costumer, wearing apparel, contemporary, 4 dbl hooks, round pole w/rd base	12	EA	35	420

DD FORM 1391c



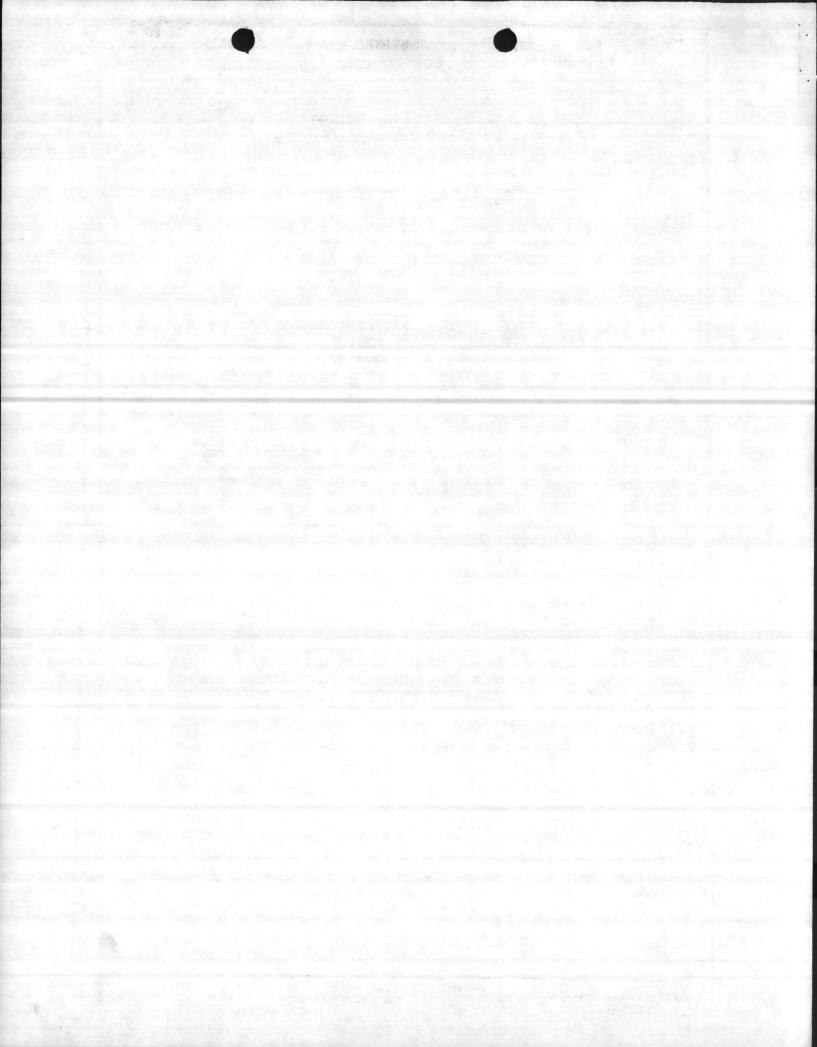
Description   Oty   Unit of   Unit   Total   Price   Cost	ADTME CODDC DACE CAMB LET	ZINE NOR	THE CAROLINA	205/2	
Description   Qty   Issue   Price   Cost	PROJECT TITLE	EUNE, NOR	TH CAROLINA		ROJECT NUMBER
Description   Qty   Issue   Price   Cost	ELEC/COMM MAINTENANCE SHOP				P-167
### State Contemporary, 6 metal angers, 78"Hx30"Lx20"D t base ####	Description	Qty			
rrown, 14½"Hx13" dia top  praperies 5 PR 74 370  praperies, blackout 4 PR 95 380  presk Lamp 24 EA 45 1,080  diding Machine, Monroe 6 EA 290 1,740  blodel 1405  pulletin Board, cork, 8 EA 65 520  pulletin Board, cork, 8 EA 65 520  pulletin Board, cork, 8 EA 65 520  pulletin Board, cork, 8 EA 70 2,940  pulletin Board, cork, 8 EA 85 255  pulletin Board, cork, 9 EA 85 200  pulletin Board, cork, 9 EA 85 200  pulletin Board, cork,	Rack, wearing apparel contemporary, 6 metal nangers, 78"Hx30"Lx20"D at base	8	EA	85	\$ 680
### PR 95 380  ###################################	lastepaper Basket, dark prown, 14½"Hx13" dia top	24	EA	6	144
Each	Draperies	5	PR	74	370
dding Machine, Monroe 6 EA 290 1,740 lodel 1405  sulletin Board, cork, 8 EA 65 520 lum frame, 4'x6'  sable, gen. purpose, 6 EA 105 630 loo'x30"x29½"H  student Chairs, Heywood 42 EA 70 2,940 lakefield Model HC-7730-YABS-PP  sortable Easel 3 EA 85 255 lench, work, electronic, 12 EA 1,450 17,400 loo cyc., 28V  lack, security, for 3 EA 2,000 6,000 lechanics' tool boxes, 4 openings  sxtinguisher, fire, 5 1b., CO <sub>2</sub> 12 EA 85 1,020 lixtinguisher, fire, 22 gal. H <sub>2</sub> O 12 EA 40 480	draperies, blackout	4	PR	95	380
### Stulletin Board, cork, 8 EA 65 520  ### Stulletin Board, cork, 8 EA 65 520  #### Stulletin Board, cork, 8 EA 65 520  #### Student Gen. purpose, 6 EA 105 630  ###################################	Desk Lamp	24	EA	45	1,080
Tum frame, 4'x6'  Table, gen. purpose, 6 EA 105 630  To"x30"x29½"H  Totale Chairs, Heywood 42 EA 70 2,940  Takefield Model HC-7730-  TABS-PP  Tortable Easel 3 EA 85 255  Tench, work, electronic, 12 EA 1,450 17,400  Touchanics, tool boxes, 12 EA 2,000 6,000  Takechanics' tool boxes, 12 EA 85 1,020  Takechanics' tool boxes, 13 EA 2,000 6,000  Takechanics' tool boxes, 14 openings  Takechanics Fire, 15 lb., CO <sub>2</sub> 12 EA 85 1,020  Takinguisher, fire, 12 EA 40 480	Adding Machine, Monroe Model 1405	6	EA	290	1,740
### Student Chairs, Heywood	Bulletin Board, cork, alum frame, 4'x6'	8	EA .	65	520
lakefield Model HC-7730- ABS-PP  Fortable Easel 3 EA 85 255  Hench, work, electronic, 12 EA 1,450 17,400 20/220V, 60 cycle & 2000 cyc., 28V  Back, security, for 3 EA 2,000 6,000 Hechanics' tool boxes, 24 openings Extinguisher, fire, 5 lb., CO <sub>2</sub> 12 EA 85 1,020 Extinguisher, fire, 22 gal. H <sub>2</sub> O 12 EA 40 480	Table, gen. purpose, 50"x30"x29½"H	6	EA	105	630
dench, work, electronic, 12 EA 1,450 17,400 20/220V, 60 cycle & 2000 cyc., 28V  Clack, security, for 3 EA 2,000 6,000 dechanics' tool boxes, 24 openings  Extinguisher, fire, 5 1b., CO <sub>2</sub> 12 EA 85 1,020 deckanics fire, 25 gal. H <sub>2</sub> O 12 EA 40 480	Student Chairs, Heywood Wakefield Model HC-7730- PABS-PP	42	EA	70	2,940
20/220V, 60 cycle &	Portable Easel	3	EA	85	255
mechanics' tool boxes, 4 openings  Extinguisher, fire, 5 lb., CO <sub>2</sub> 12 EA 85 1,020  Extinguisher, fire, 2 gal. H <sub>2</sub> O 12 EA 40 480	Bench, work, electronic, 120/220V, 60 cycle & 100 cyc., 28V	12	EA	1,450	17,400
5 1b., CO <sub>2</sub> 12 EA 85 1,020 Extinguisher, fire, 12 EA 40 480	Rack, security, for mechanics' tool boxes, 24 openings	3	EA	2,000	6,000
½ ga1. H <sub>2</sub> 0 12 EA 40 480	Extinguisher, fire, 5 lb., CO <sub>2</sub>	12	EA	85	1,020
OTAL EXPENSE ITEMS 81,259	4(1) : [18] [18] [18] [18] [18] [18] [18] [18]	12	EA	40	480
	TOTAL EXPENSE ITEMS				81,259



MARINE CORRE PAGE CAME TO					
MARINE CORPS BASE, CAMP LI	EJEUNE, NOR	TH CAROLINA 2		JECT NUMBER	
ELEC/COMM MAINTENANCE SHO	)P	•		P-167	
Shipping, Packing, Handli Installation Charges & Contingencies - 10%	ing			8,126	
(c) Investmen	it Items:	None			
(d) APA Equip	ment - None	e			
(e) <u>Training</u>	Equipment				
Description	Qty	Unit of Issue	Unit Price	Total Cost	
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, Handli Installation Charges & Contingencies - 10%		232			
(f) Equipment	on Hand -	None			
(g) Summary					
Expense Co	Expense Cost (O&MMC)				
Training		2,324			

TOTAL

\$ 91,941



1. COMPO	NEUT	FY 19	الم الحديد	ITARY	CONSTI	RUCTION	PRC	ATA	2. DATE 15 Jun 84
3. INSTAL	LATION	AND LO	CATION						
MARINE	CORPS	BASE,	CAMP	LEJEUNE,	NORTH	CAROLINA	28542		
4. PROJEC									CT NUMBER

(4) Supporting Facilities. Special piling, foundation, solar hot water system, collateral equipment, site improvement, pollution abatement, etc. No demolition will be accomplished on this project.

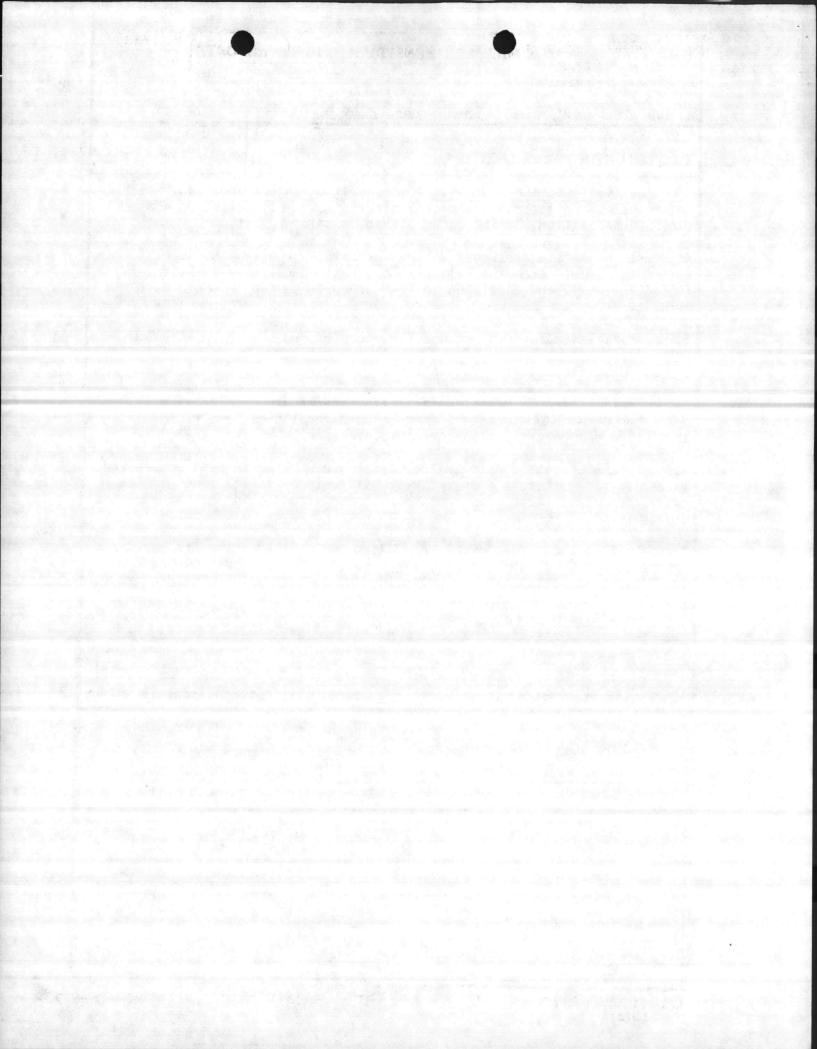
P-167

- 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.
- 5. Justification for Project and for Scope of Project.
  - a. Justification for Project.

ELEC/COMM MAINTENANCE SHOP

- (1) Project. Proposed facilities are required to provide a Communication Battalion adequate and secure facilities to perform electronic and communications equipment maintenance.
- (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.
- (3) Impact if Not Provided. Personnel will continue to work in substandard and makeshift facilities resulting in tome consuming and inefficient operations resulting in loss of work time and wasted energy.
- 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.
- 6. Equipment Provided from Other Appropriations. Not applicable.
- 7. Common Support Facilities. Not applicable. There are no common support facilities available in the French Creek area.
- 8. Effect on Other Resources. The project will require approximately \$4,072 per year in increased 0&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.

PREVIOUS EDITIONS MAY BE USED - PNALLY
UNTIL EXHAUSTED



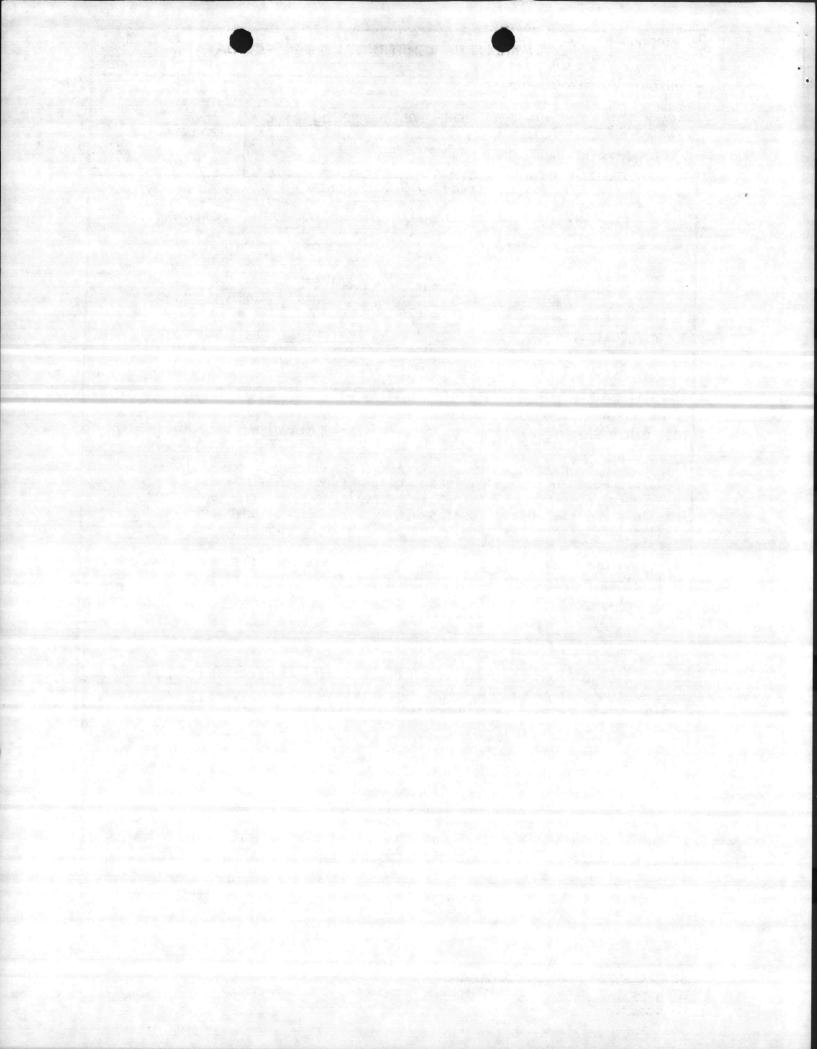
. COMPO	1	LITARY CONST	RUCTION PRE	CODATA 2. DATE 15 Jun 84
	LATION AND LOCATION			
MARINE 4. PROJEC		LEJEUNE, NORTH	CAROLINA 2854	5. PROJECT NUMBER
	MM MAINTENANCE S	НОР		P-167
		Utility Requ	uirements	
a.	Electricity	Consumption Peak Demand Avg Demand	40,166 25 23	KWHR/yr KW KW
b.	Steam		1,801,633	lbs/yr lbs/hr
c.	Coal		70.4	tons/yr
d.	Adequate utili	ty 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.

NAVFAC DWG #	ACTIVITY	AREA S	.F.
1293363 1293362	2d Radio Bn H&S Bn	9,750 3,950	U.C.
1293366	Maint Bn	3,300 6,100	
1293361 1293365	Lnd Sup Bn , Comm Bn	11,725	
1293366 1293364	MT Bn Engr Bn	3,300 4,760	
1293366	Sup Bn	3,300	U.P.
	TOTAL:	46.185	



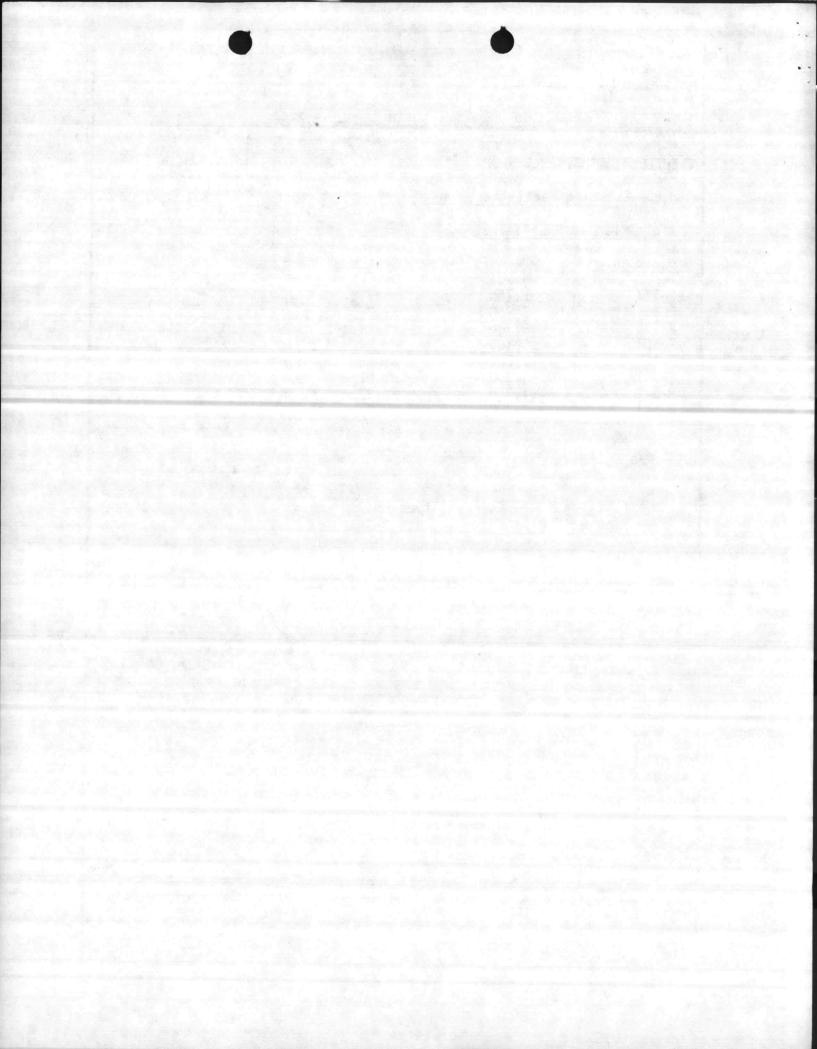
1. COMPONENT NAVY	FY 19 MATARY CONSTRUCTION PRC CT	2. DATE 15 Jun 84
3. INSTALLATION	AND LOCATION	
MARINE CORPS	BASE, CAMP LEJEUNE, NORTH CAROLINA 28542	
4. PROJECT TITL	E	5. PROJECT NUMBER
ELEC/COMM MA	AINTENANCE SHOP	P-167

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

Area SF		Status
9,750		Existing Adequate
3,950		FY-84 Program
3,300		FY-84 "
6,100		FY-84 "
11,725		FY-86 "
3,300		FY-87 "
트립 : [ - ] [ - ] [ - ] [ - ] [ - ] [ - ] [ - ] [ - ] [ - ] [ - ] [ - ] [ - ] [ - ] [ - ] [ - ] [ - ] [ - ]		FY-87 "
3,300		U.P.
	9,750 3,950 3,300 6,100 11,725 3,300 4,760	9,750 3,950 3,300 6,100 11,725 3,300 4,760

SUBTOTAL 46

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





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

PW0:408:EGJ:bb 11000 2 9 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 PW0:408:CWB:sh 11000 of 20 Mar 1980 (c) CG MCB ltr PW0:408:CWB:bb 11000 of 30 May 1980

(d) MCCN 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)

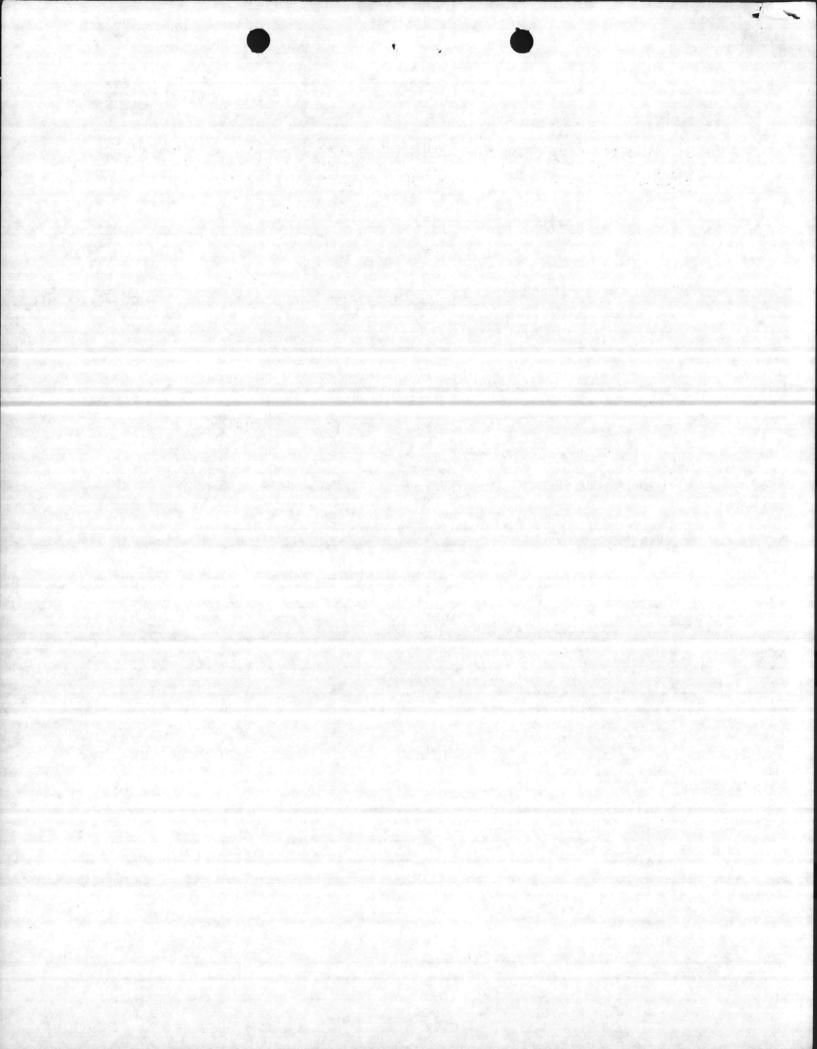
(4) FY 1984 MCON Program consisting of DD Forms 1391 of 1 Aug 1980 with Facility Studies (and photographs, where applicable)

(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.



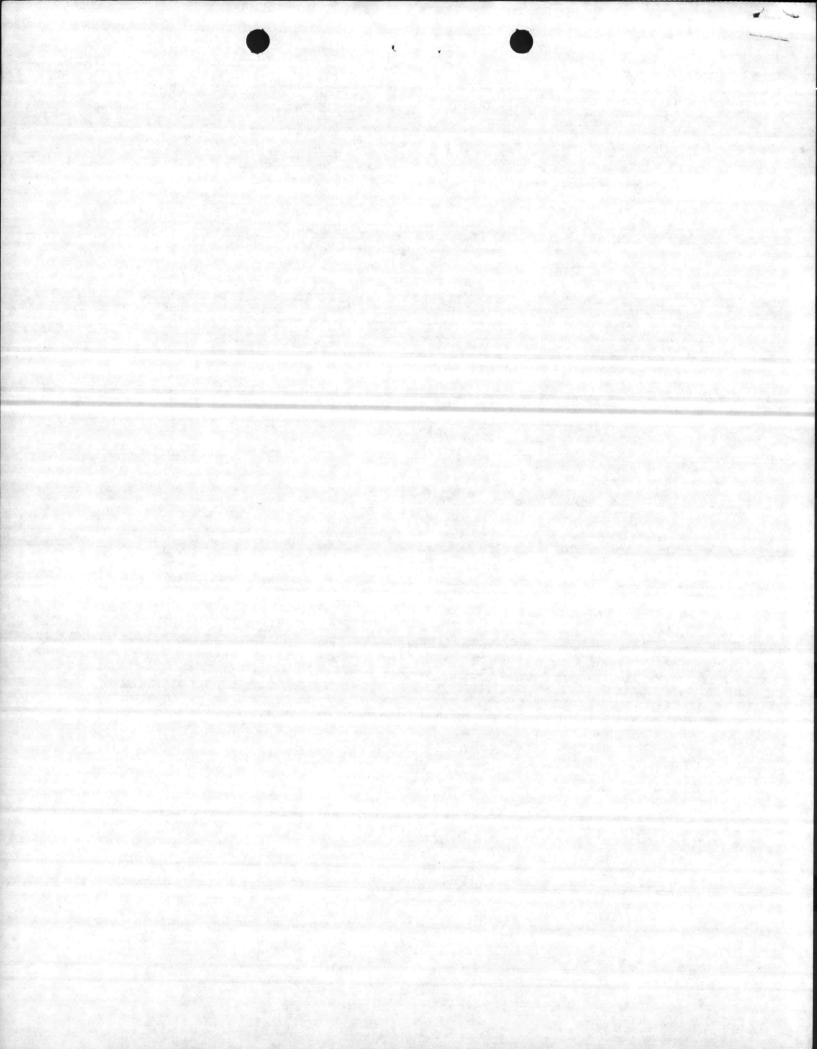
PW0:408:EGJ:bb

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

D. B. BARKER

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

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

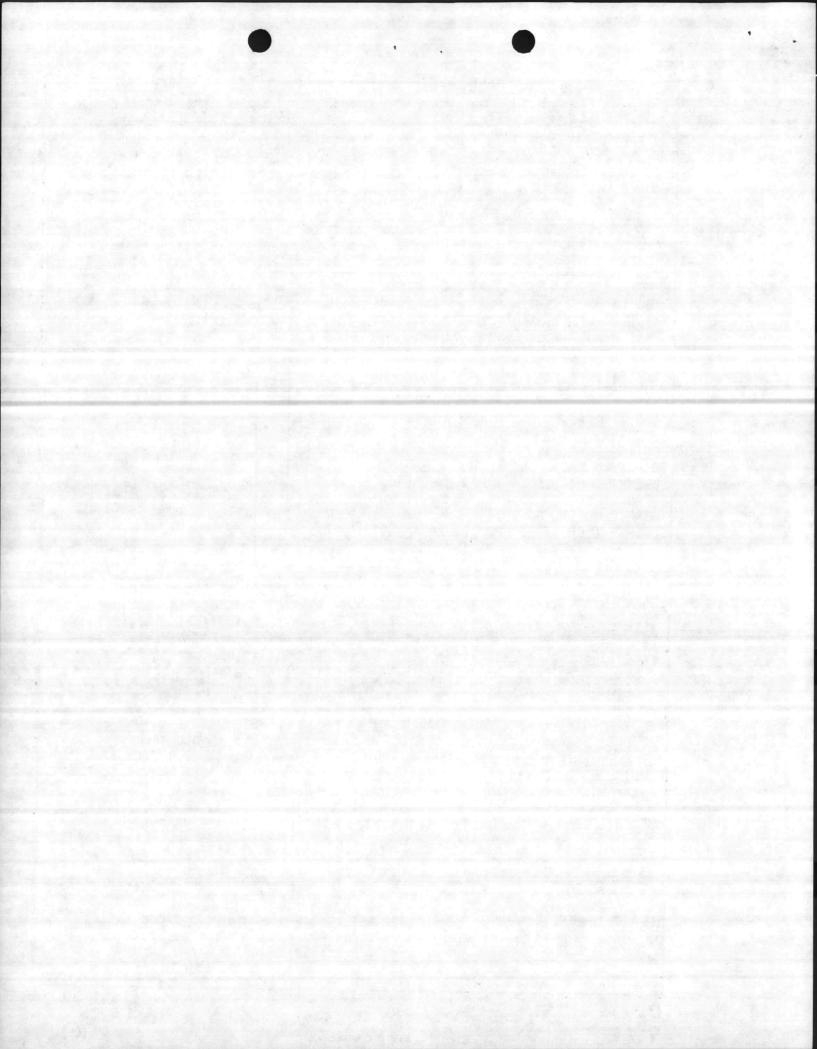


2. DATE 1. COMPONENT FY 19 86 MILITARY CONSTRUCTION PROJECT DATA 1 AUG 1980 NAVY 4 PROJECT TITLE 3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA 28542 ELEC/COMM MNT SHOP 7. PROJECT NUMBER 8. PROJECT COST (\$000) 6. CATEGORY CODE 5. PROGRAM ELEMENT 1,100 P-167 217-10 9. COST ESTIMATES COST UNIT QUANTITY U/M ITEM (\$000) COST 894 ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP SF 11,725 76.28 61.23 (71.8)SF 11,725 Building (152)LS Built-in Equipment (24)LS Solar Hot Water System 141 SUPPORTING FACILITIES (19)LS Special Construction Features (48) LS Utilities 62) Roads, Parking, Sidewalks LS (12)Site Improvements 1,035 SUBTOTAL 52 CONTINGENCY (5%) 1,087 TOTAL CONTRACT COST 60 SUPERVISION, INSPECTION & OVERHEAD (5.5%) 1.147 TOTAL REQUEST 1,100 TOTAL REQUEST (ROUNDED) 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) 46,185 SF. ADEQUATE O SF. SUBSTANDARD REOUIREMENTS: 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 substandard 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 1 DEC 76 1391

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

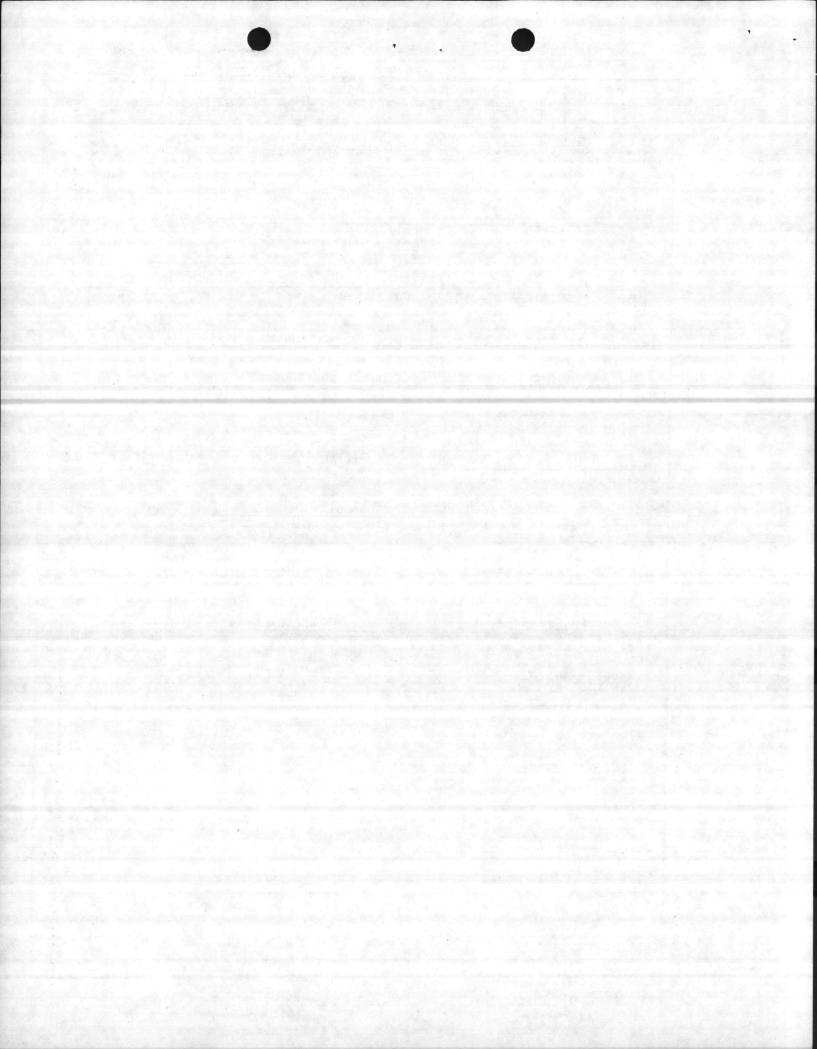
PAGE NO. 1 of 2



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

### 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 has been made, reviewed, and where required, the design concepts give consideration to eliminating adverse environmental effects consistent with applicable directives.
- 4. Fallout Shelter Construction: Fallout shelter protection is incorporated in the facility.
- 5. Design for Accessibility of Physically Handicapped Personnel: Provisions for physically handicapped personnel are not required in this facility.
- 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: 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.



1. COMPONENT

NAVY

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE

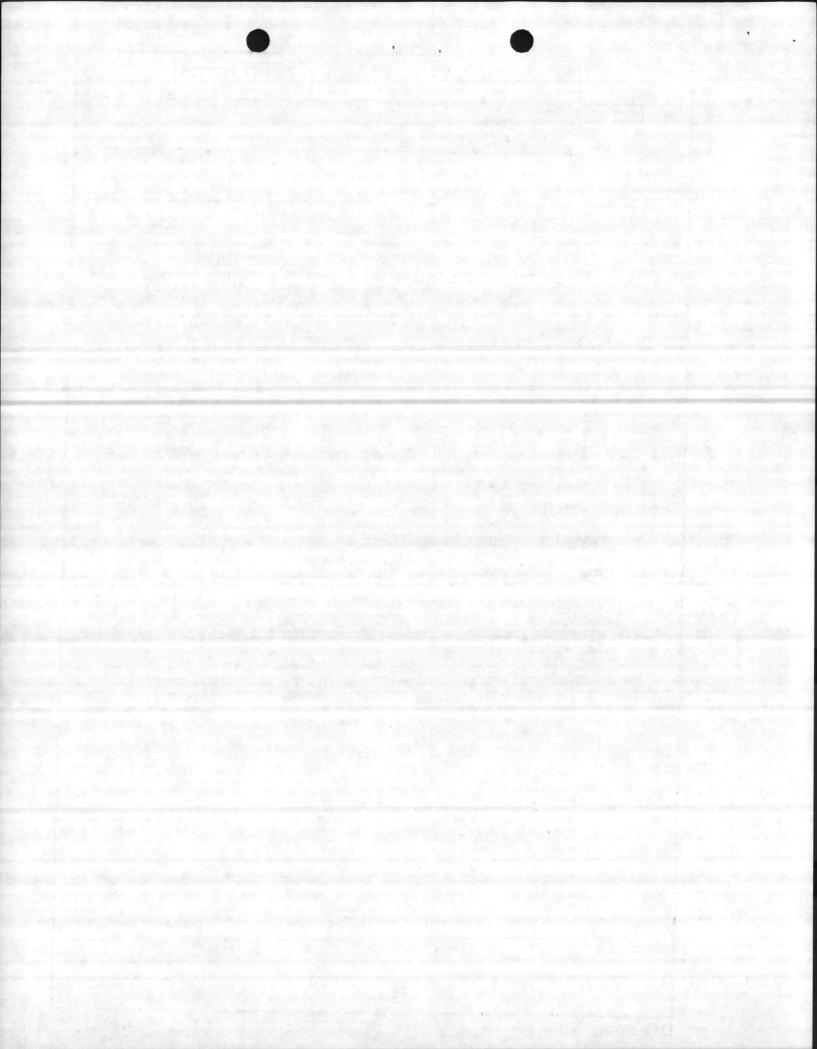
ELEC/COMM MAINTENANCE SHOP

2. DATE
1 AUG 1980

S. PROJECT NUMBER
P-167

### FACILITY STUDY

- 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. 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 workweek 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.
- 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. <u>Replacement</u>. 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 prientation for maximum energy conservation will be utilized.



NAVY

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE

ELEC/COMM MAINTENANCE SHOP

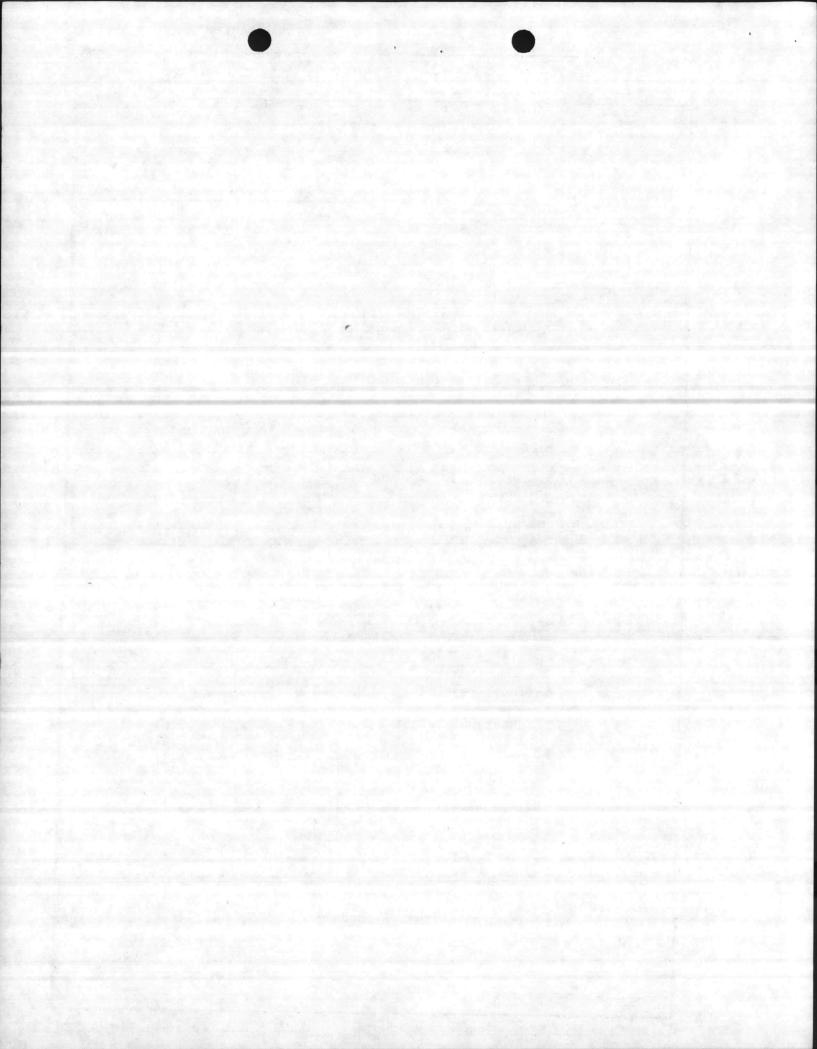
P-167

## (3) Collateral Equipment.

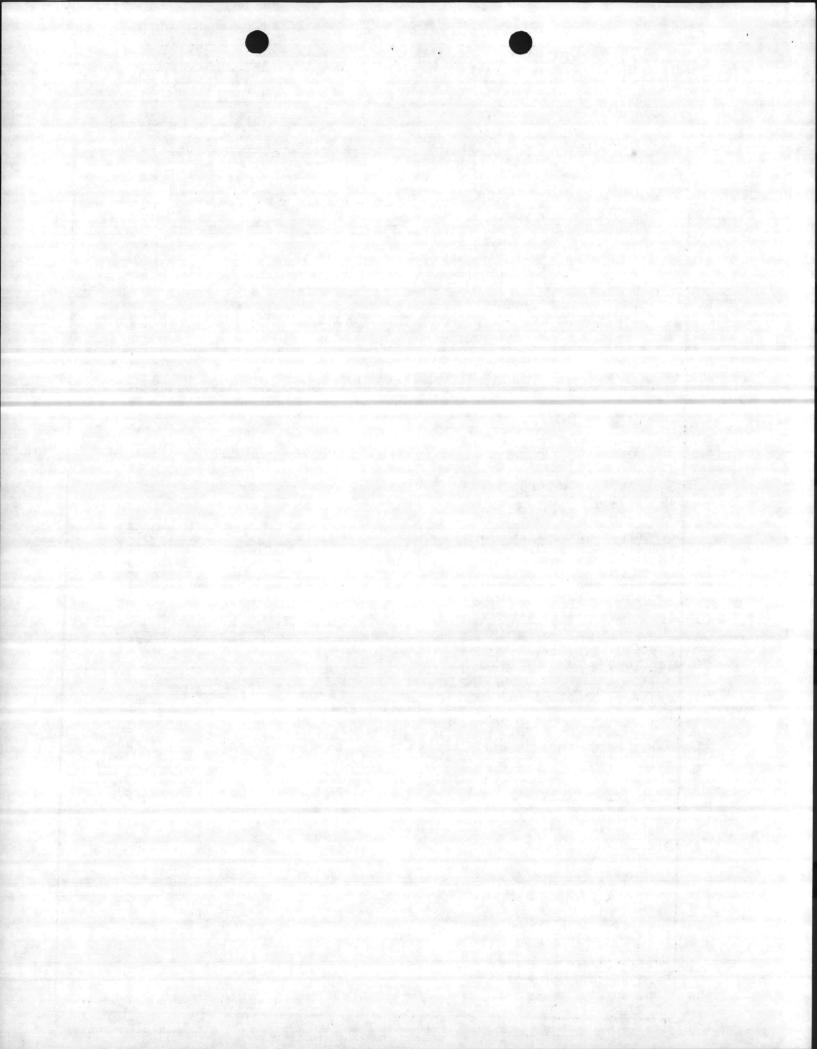
# (a) Built-in (MCON Funded)

### Description

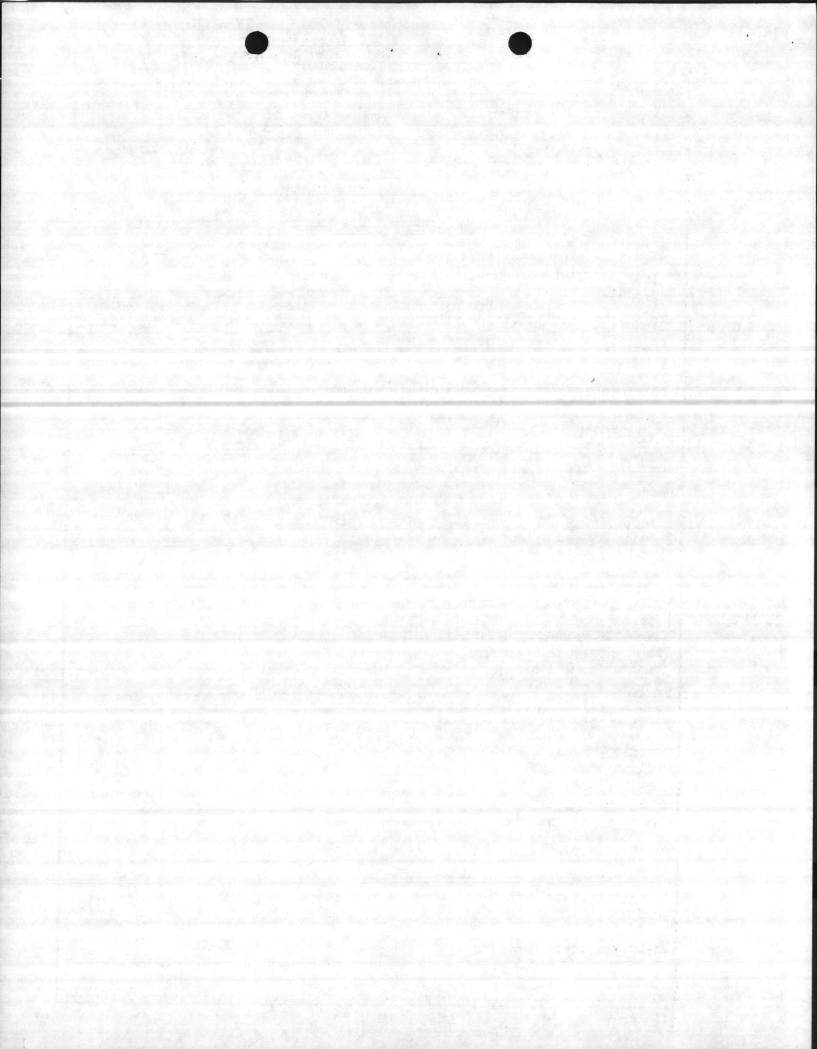
- \*Air Conditioning, Heating & Ventilating Systems
- \*Plumbing System & Steam System (Interior)
- \*Compressed Air System ·
- \*Sprinkler System
- \*Telephone, Fire Alarm & Intercom Systems
- \*Drinking Water Coolers
- \*Lockers, Wall Mounted
- \*Locker-room benches, 6' long
- \*Chalkboards, Wall Mounted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



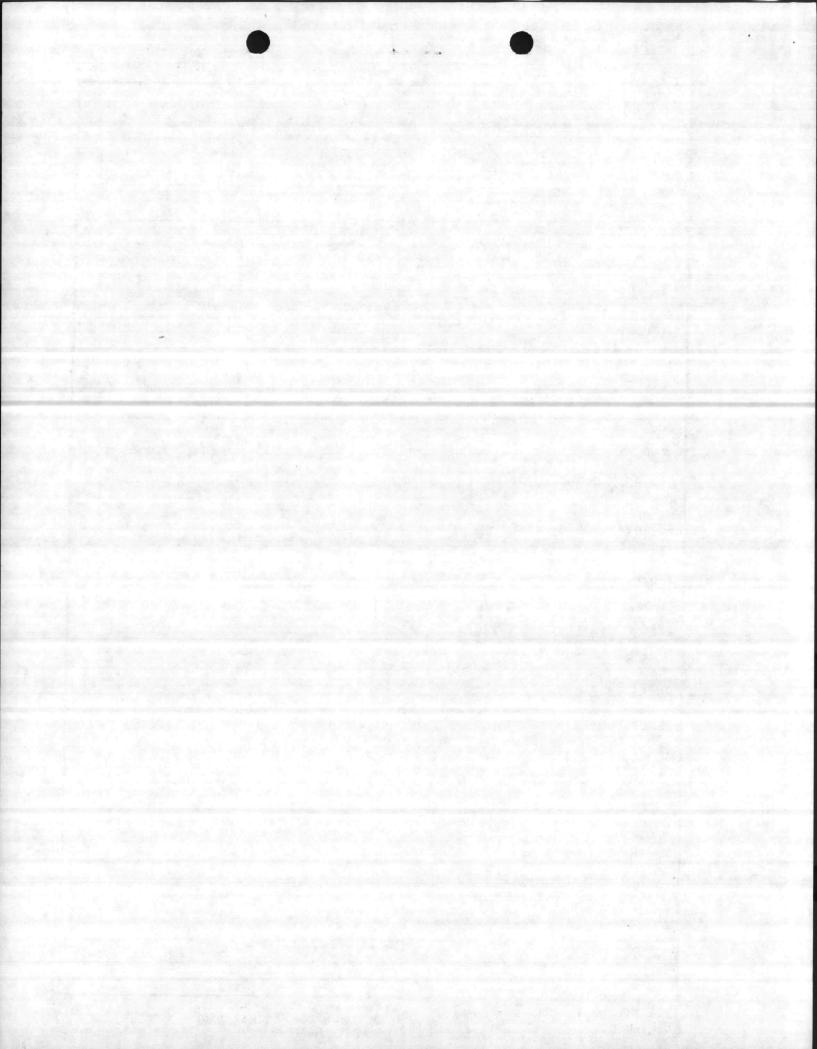
COMPONENT   FY 1986 MILITAR	Y CON	STRUCTION PI	ROJECT DAT	A 1 AUG 1980
NAVY INSTALLATION AND LOCATION				
ARINE CORPS BASE, CAMP LEJEUN	E. NOR	TH CAROLINA 2	8542	
PROJECT TITLE			15. PR	D 167
LEC/COMM MAINTENANCE SHOP				P-167
*Pass Window, 4 w/counter & "I roll down shu fusible link)	3" labe	el		
*60/400 Cycle with AC/DC Portransformers				
Equipment with associated ins	tallat	ion cost.		
(b) Expense Items				Total
Description	Qty	Unit of Issue	Unit Price	Total Cost
				\$4,050
enches, work, portable, 8"x28"x34"H	18	EA	\$225	\$4,000
Senches, work, portable, '2"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	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	3	EA	315	945



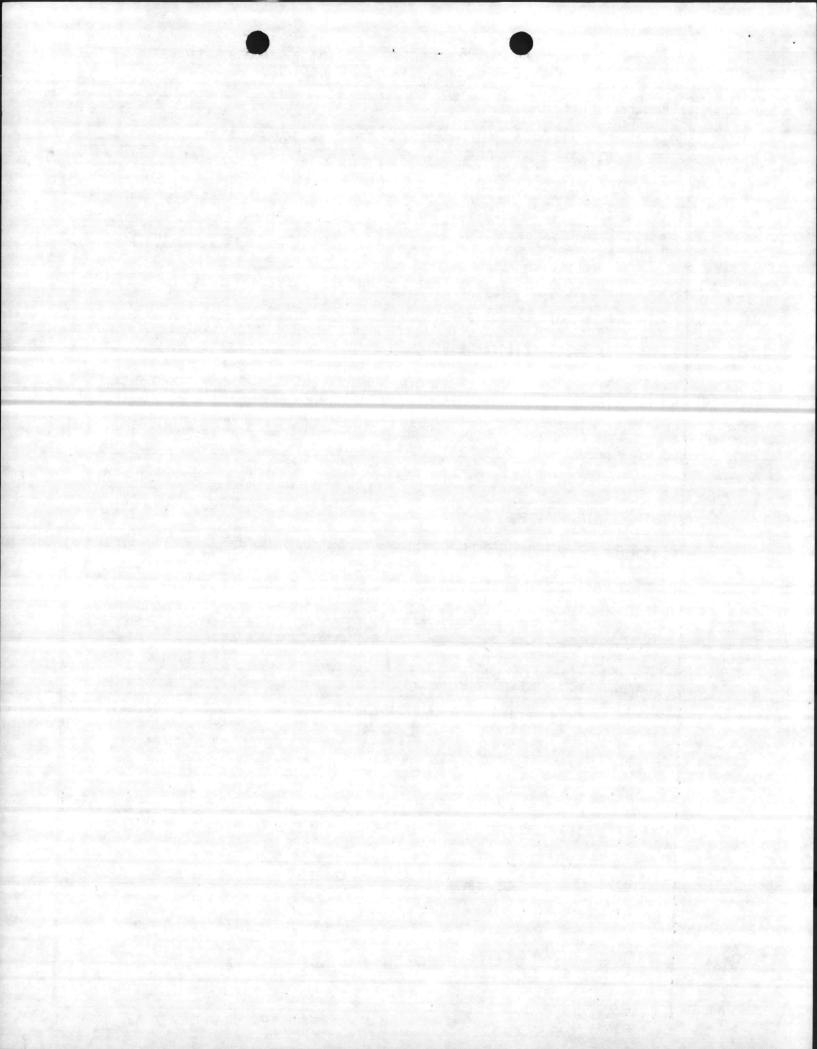
INSTALLATION AND LOCATION				
ARINE CORPS BASE, CAMP LEJEUN	E, NOR	TH CAROLINA	28542 5. PR	OJECT NUMBER
LEC/COMM MAINTENANCE SHOP				P-167
Description	Qty	Unit of Issue	Unit Price	Total Cost
esk, flat top, 45"x30" alnut pattern top, no verhang	8	EA	240	\$1,920
esk, flat top, w/attach for sec'l & gen. clerical surposes	8	EA	275	2,220
hair, rotary, tilting eat & back, adj. seat eight, 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"	12	EA	20	240
Bookcase, section, w/o doors, 31"x12"x14"H	48	EA	40	1,920
Bookcase, top, 33"x 13"x2닣"H	12	·EA	20	240
Chair, straight, w/o	36	EA	70	2,520
Costumer, wearing apparel, contemporary, 4 dbl hooks,	12	EA	35	420



PROJECT TITLE	UNE, NOR	TH CAROLINA	28542 5. PR	OJECT NUMBER
ELEC/COMM MAINTENANCE SHOP				P-167
Description	Qty	Unit of Issue	Unit Price	Total Cost
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
Oraperies, 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> 0	12	EA	40	480
TOTAL EXPENSE ITEMS				81,259

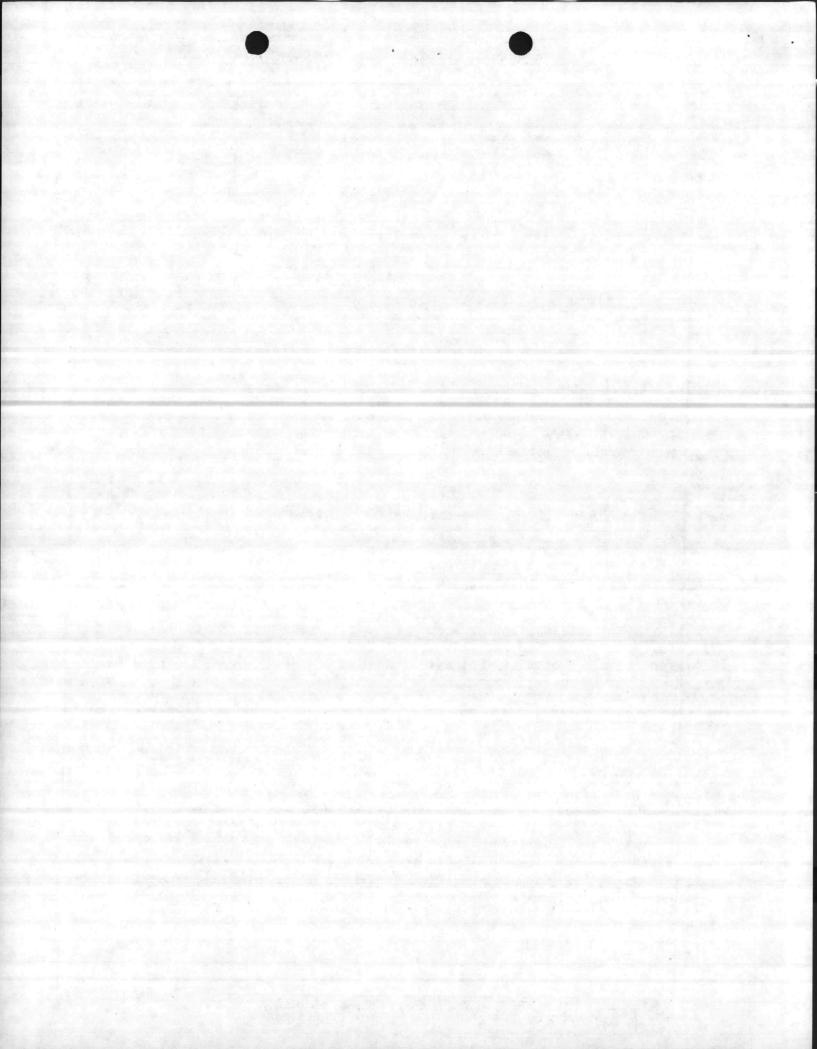


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NAVY FY 19.86 MILI	TARY CONST	RUCTION P	ROJECT DAT	2. DATE 1 AUG 1980
INSTALLATION AND LOCATION				
MARINE CORPS BASE, CAMP L	EJEUNE, NORTH	CAROLINA	28542	
PROJECT TITLE			S. PRO	JECT NUMBER
ELEC/COMM MAINTENANCE SH	OP			P-167
Shipping, Packing, Handl Installation Charges & Contingencies - 10%	ing			8,126
(c) Investme	nt Items: No	one		
(d) APA Equi	pment - None			
(e) Training	Equipment			
Description	Qty	Unit of Issue	Unit Price	Total Cost
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, Hand Installation Charges & Contingencies - 10%	ling,			232
(f) Equipmen	nt on Hand -	None		
(g) <u>Summary</u>				
Expense	Cost (O&MMC)			89,617
Trainin	g Cost (0&MMC	:)		2,324
			TOTAL	\$ 91,941



1. COMPONENT	FY 19 00 MILITARY CONSTRUCTION PROJECT	OATA 1 AUG 198
3. INSTALLATION	AND LOCATION	
MARINE CORPS	BASE, CAMP LEJEUNE, NORTH CAROLINA 28542	
4. PROJECT TITL		5. PROJECT NUMBER
ELEC/COMM MA	AINTENANCE SHOP	P-167

- (4) Supporting Facilities. Special piling, foundation, solar hot water system, collateral equipment, site improvement, pollution abatement, etc. No demolition will be accomplished on this project.
- 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-82 to provide for this proposed facility.
- 5. Justification for Project and for Scope of Project.
  - a. Justification for Project.
- (1) Project. Proposed facilities are required to provide a Communication Battalion adequate and secure facilities to perform electronic and communications equipment maintenance.
- (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.
- (3) Impact if Not Provided. Personnel will continue to work in substandard and makeshift facilities resulting in tome consuming and inefficient operations resulting in loss of work time and wasted energy.
- 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.
- 6. Equipment Provided from Other Appropriations. Not applicable.
- 7. Common Support Facilities. Not applicable. There are no common support facilities available in the French Creek area.
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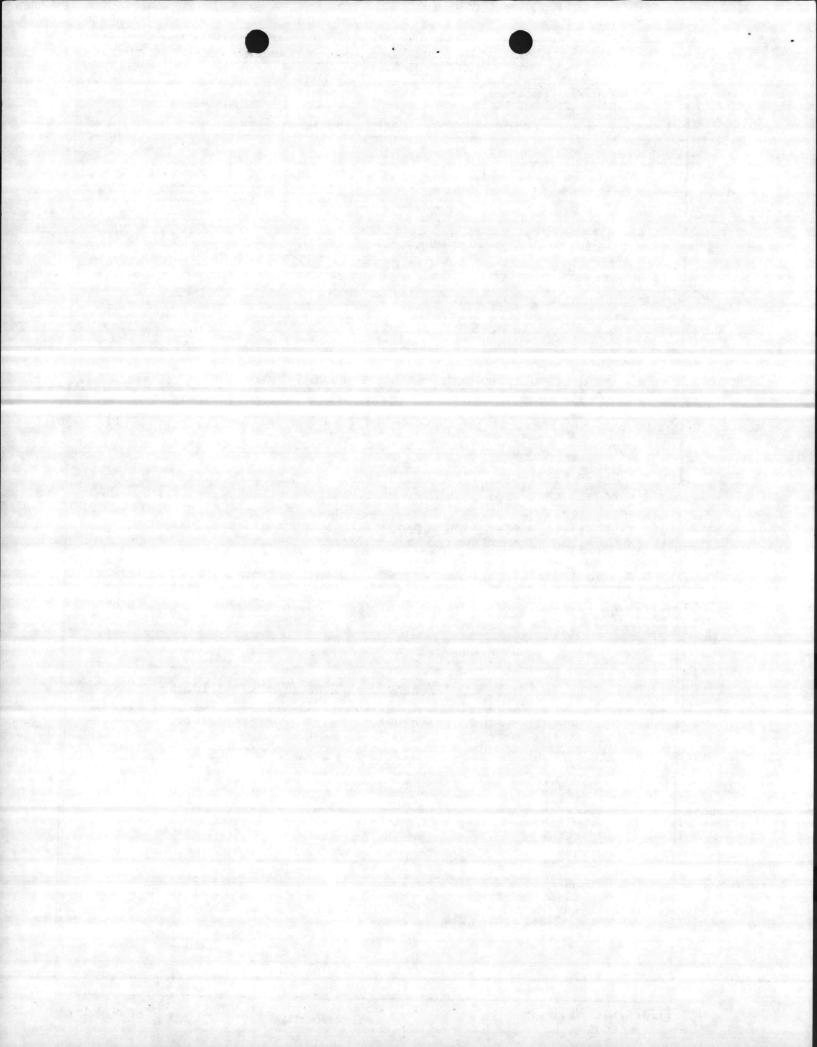
NAVY	FY 19 86 MIL	ITARY CONSTI	RUCTION PROJE	CT DATA 1 AUG 1980
3. INSTALLATION	AND LOCATION			
MARTNE CORPS	BASE. CAMP L	EJEUNE, NORTH	CAROLINA 28542	2
4. PROJECT TITLE				5. PROJECT NUMBER
ELEC/COMM MAI	NTENANCE SHO	P		P-167
		Utility Requ	uirements	
a. Elect	ricity	Consumption	40,166	KWHR/yr
a. Lico.	10103	Peak Demand	25	KW
		Avg Demand	23	KW
b. Steam	•	Consumption	1,801,633	lbs/yr
<b>D.</b> 30cu.		Demand	645	lbs/hr

- 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.
- 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.

NAVFAC DWG #	ACTIVITY	AREA S.F.
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



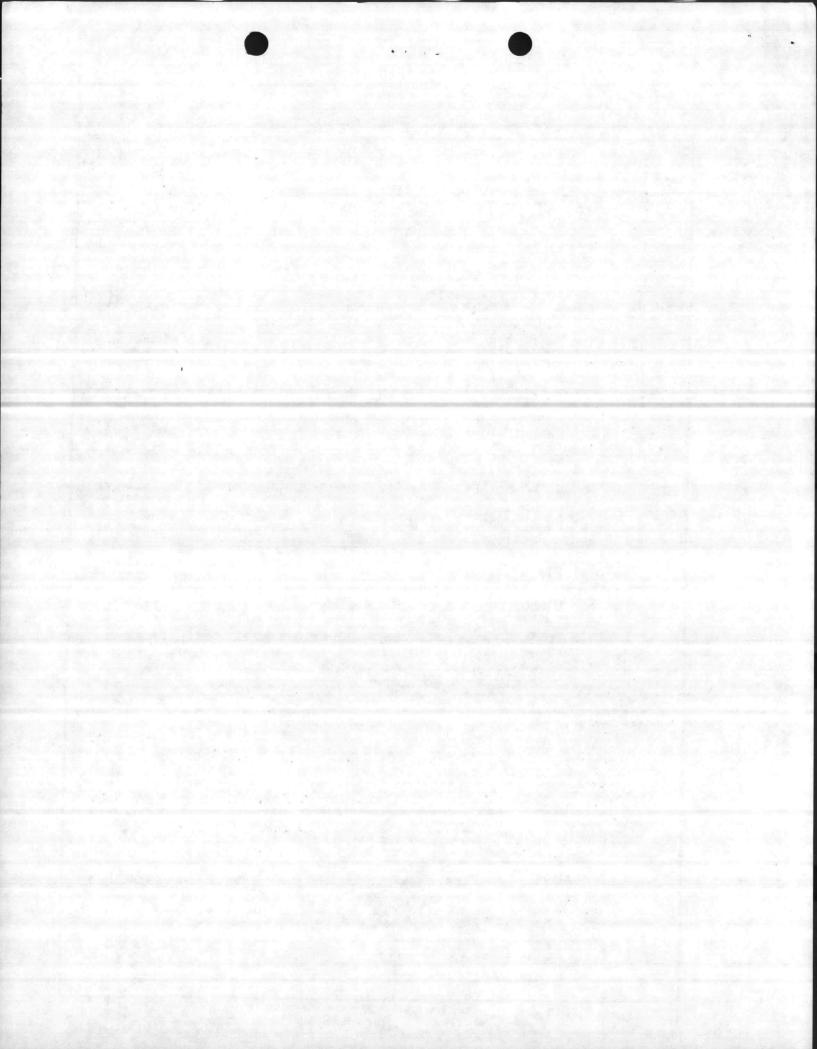
2. DATE 1. COMPONENT FY 1986 MILITARY CONSTRUCTION PROJECT DATA 1 AUG 1980 3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542 S. PROJECT NUMBER 4. PROJECT TITLE P-167 ELEC/COMM MAINTENANCE SHOP

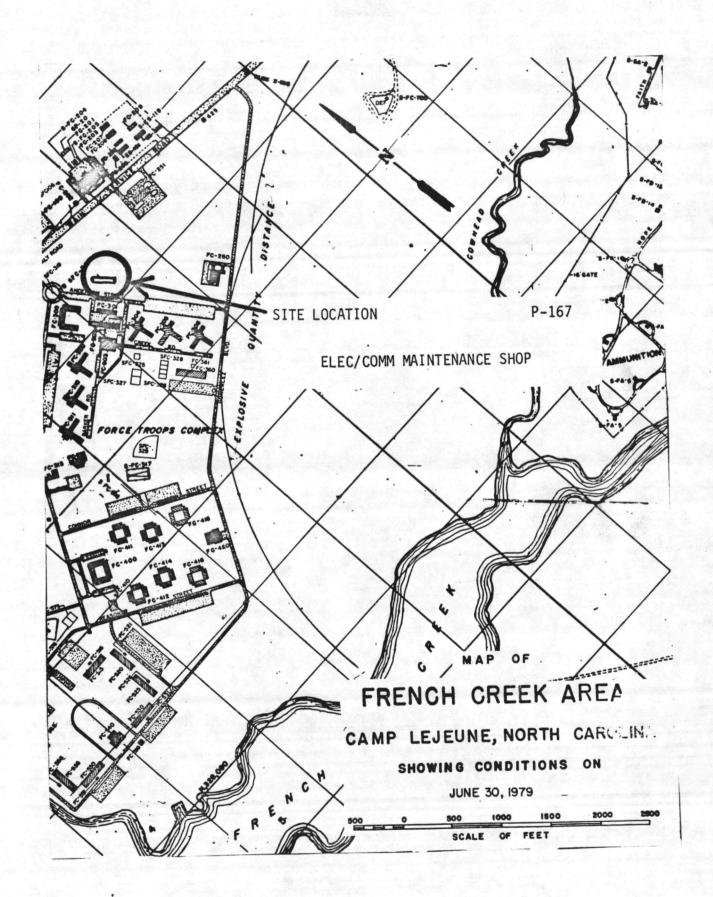
- b. Existing Facilities. NONE
- c. Planned Facilities.

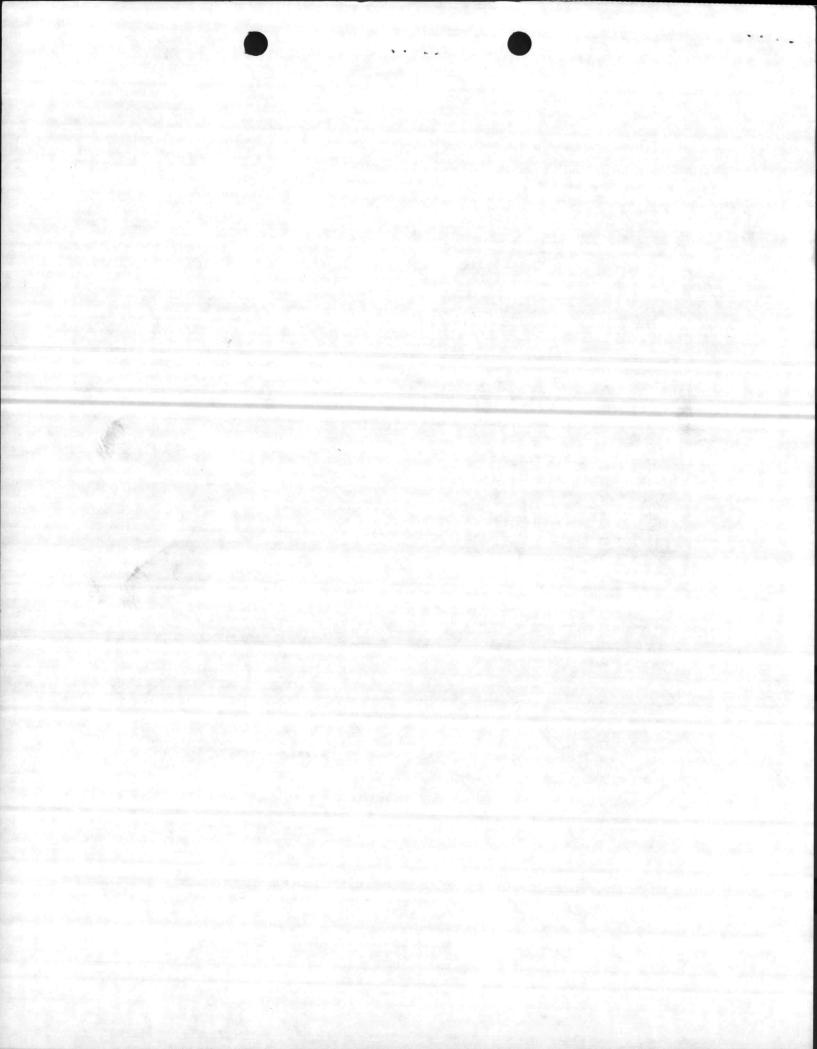
Project No.	Area SF	Status	<u>s</u>
P-117	9,750	Under	Construction
P-505	3,950	FY-84	Program
P-538	3,300	FY-84	n n
P-564	6,100	FY-84	II .
P-167	11,725	FY-86	H .
P-541	3,300	FY-87	
P-542	4,760	FY-87	11
P-543	3,300	U.P.	

SUBTOTAL

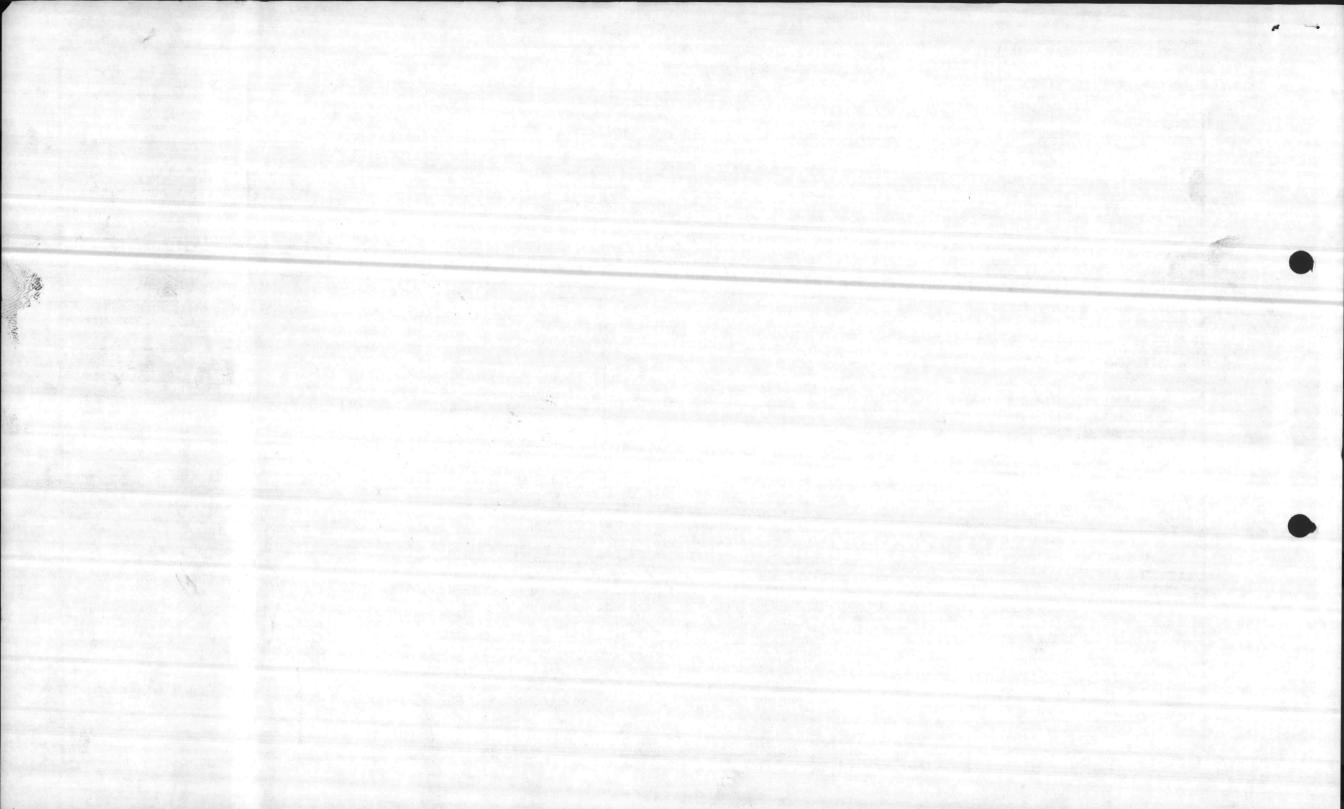
d.	Existing Adequate Facilities Planned Facilities	0 46,185
	Total Planned & Existing	46,185
	BFRL TOTAL	46,185







1. DATE	2. FIS	CAL YEAR	MIL	ITARY CONST	RUCTION PROJECT DATA  NAV		PARTMENT	4. INSTALLATION						
15 FEB 1973		1975				NAV		VY	MARINE CORPS BASE, CA	MP LEJE	INE			
8. PROPOSED AUTH	DRIZA	TION	B. PRIOR AU	THORIZATION	7. CATEGORY COL	ATEGORY CODE NUMBER 8. PROGRAM ELEMENT		E NUMBER 8. PROGRAM ELEMENT 9. STATE/COUNTRY					- Sec	
\$ 562,000			P.L.	_	217-10	217-10			NORTH CAROLINA					
10. PROPOSED APPR	OPRI	ATION	1	1. BUDGET ACCOU	NT NUMBER	12. PROJEC	T NUMBER		13. PROJECT TITLE	NON THE RESERVE		I NM	СМ	RM
\$ 562,000							P-167		FRENCH CREEK AREA ELNICS/COM MNT SHOP				x	
	Mary II.	SEC	TION A - DE	ESCRIPTION OF	PROJECT	the second second second second		T	SECTION B -	COST EST	IMATES		-	1
14.		18.			Prisonal Control	AV. SVI		20. PRIMARY		U/M	QUANTITY	UNIT CO	COS	ST (\$000)
TYPE OF CONSTRU	CTION		PHYSIC	CAL CHARACTERIS	TICS OF PRIMARY	FACILITY		ELECTRON	ICS/COM MNT SHOP	LS		\$ -	\$410	
& PERMANENT	X	a. NO. OF B	LDGS 1 b.	NO. OF STORIES	C. LENGTH IRR	EG d. WIDT	IRREG	a. BUIL		SF	( 11,725	35.0	The second second	
. SEMI-PERMANENT		e. DESIGN C		-	f. GROSS AREA	The same of the sa	-	b.	DINGS	- SF	( 11,723	) 33.0	0 ( 410	,
C. TEMPORARY		& COOLING	AIR CO	OND CAP.		COST (\$19.		) c.			(	1	1	
15. TYPE OF WOR	<			RK TO BE DONE	-		000	d.			(	1	-	1 467
& NEW FACILITY	У	Constru	ict a one	story buil	ling with co	norete fo	undation		NG FACILITIES				2150	
b. ADDITION					ding with concrete foundation coult-up roof over insulation administrative spaces. The				a. 2000 b. ROAD		_	-	\$152	
C. ALTERATION		and air	-conditi	oned in all								-	( 80	-
d. CONVERSION		exterio	r motif	should foll	w that of ex	ricting o	s. Ine			LS		-	( 72	
e. OTHER (Specify)	-	Provide	hard-st	and parking	Utilities	Connector	d Fall	d.		-		-	-	1 1 1
		out She	lter Fre	luded = Cuf	icient shelt	tomacce	d. Fair	6.		_			(	
16. REPLACEMENT	T				elter deficie								-	
17. TYPE OF DESIG	N	other 1	Lems to	overcome sue	erter dericie	ency in t	nis area.	R.		-		-	(	
& STANDARD DESIGN	T	1						h.				-	(	
b. SPECIAL DESIGN	1							1		-		-	-	
C. DRAWING NO. NA	/FAC							<del>-</del>			500	-	-	
1293365								7.	OLECT COST					
12,000						SECTION C -	BASIS OF B	22. TOTAL PR			10000		\$562	
23.	QL	JANTITATIVE	DATA		25. REQUIREMEN			EQUIREMENT						
		M SQUARE						raining f	acilities, logistical su					
a. TOTAL REQUIREM				30 185								admin	istrat	ive
b. EXISTING SUBSTAL			(	0					commands and other unit				_	
C. EXISTING ADEQUA				0	PROJECT:	To To The	ct an electronics and communications maintenance shop for the Comm. Bn. provide an electronics and communications shop in the new Force Troops Complex							
d. FUNDED, NOT IN I		TORY		0	For second	i: 10 pro	ovide an	electronic	es and communications sr	op in t	he new For	ce Tro	ops Co	mplex
e. ADEQUATE ASSET			10 11 Section 2	0					nce of the Comm. Bn. equ					
		-	AUTHORI	THE RESERVE OF THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER.	CURKENT ST	LUATION:	Force Ti	coops are i	tilizing four widely se	parated	temporary	facil:	lties	con-
f. UN FUNDED PRIOR	AUTH	ORIZATION							were designed for other					
& INCLUDED IN FY	-	PROGRAM	0	***************************************					personnel moving to the					
h. DEFICIENCY (a -			30,18		linue using	g the temp	porary me	etal buildi	ings scattered throughou	it the C	amp Lejeur	ne comp	lex an	d
24 RELATED PROJE	_	-	1 30,18	5 0	constructed							e square		
THE PROJE	- 13		Manager 1 T		Executive (	This properties.	roject wi 11296 (I	lll not cau Flood Hazan	use additional air or wa rds) are not applicable.	ter pol	lution. H	Require	nents	of
	Spir Sy													
					INVESTMENT	CODE: 8	. OTHER	MAINTENANO	CE/PRODUCTION					
DD FORM 40	04						THE RESERVE OF THE PERSON NAMED IN			NAME OF TAXABLE PARTY.				

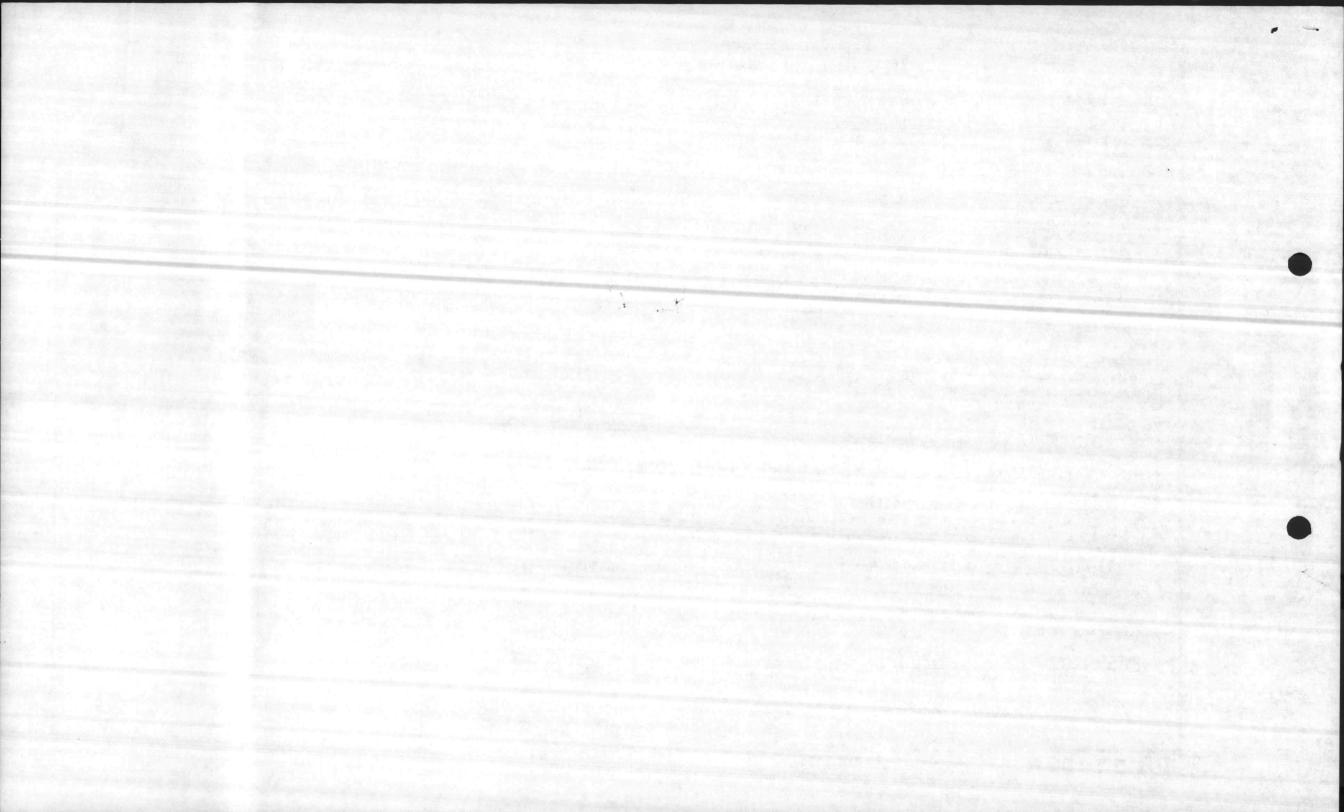


. DATE	2. FISCAL YEAR MILITARY CONSTRUCTION PROJECT DATA		S. DEPARTMENT	4. INSTALL ATION
15 FEB 1973	1975	(Continued)	NAVY	MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA
. PROJECT NUMB		6. PROJECT TITLE		
P-16	7	FRENCH CREEK AREA ELNICS/COM MNT SHOP		

- 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. <u>Gurrent and Planned Future Work Load with Regard to This Function</u>. 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. <u>Description of Construction Being Requested</u>. 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. <u>List of Collateral Equipment to be Included in Line Item</u>. 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.

PLATE NO. 14215

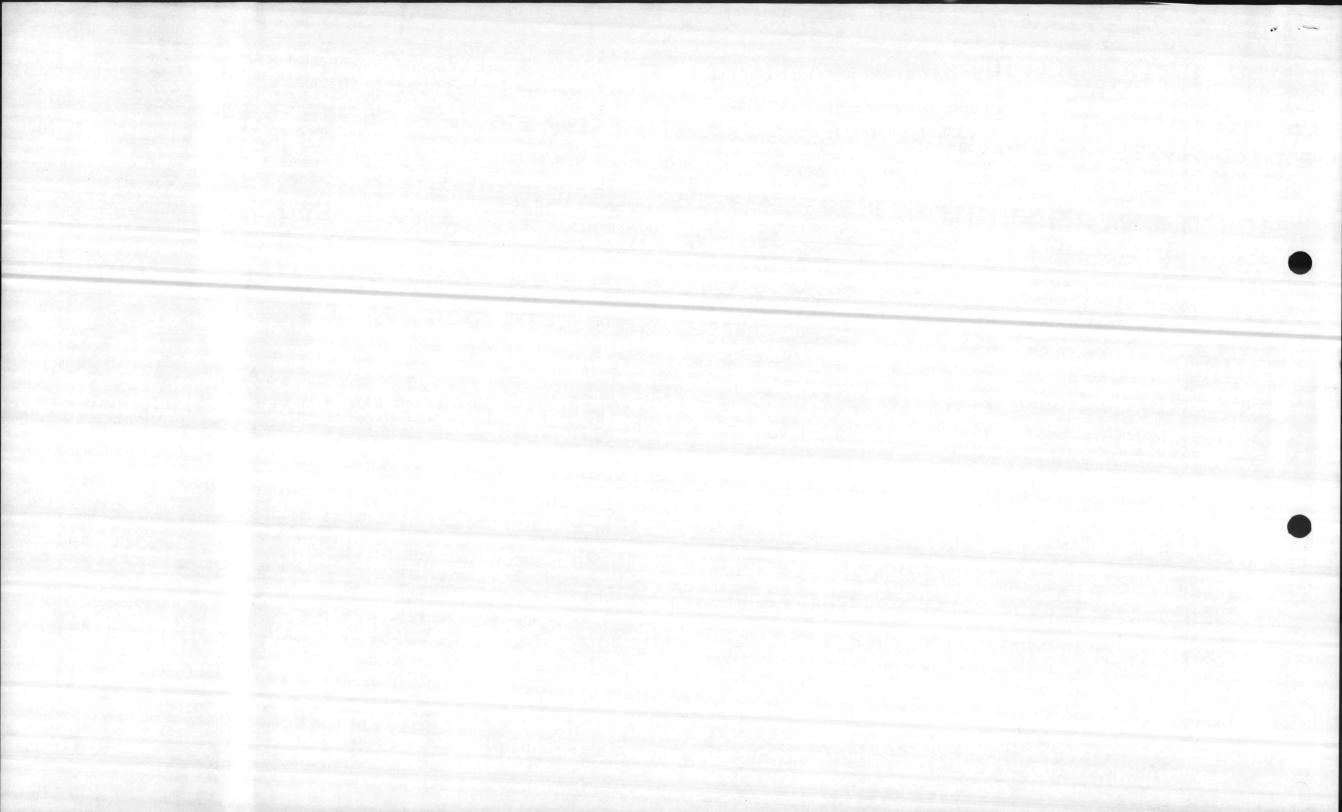
- 8. <u>Justification for the New Facility is Not Provided</u>. The characteristics of electronics/communications equipment and the equipment used to work on the above type of equipment dictates special environment control during repair and operations. The requested air conditioning complies with the basic requirements for this type of facility and Marine Corps Order 11380.1 air-conditioning administrative areas.
- 9. <u>Effects if the New Facility is Not Provided</u>. The electronics repair facilities of this command will continue to be below acceptable standards.
- 10. <u>Justification for the Size and Scope of the New Facility.</u> The size and scope has been determined by Marine Corps directive and engineering standards as shown in NAVFAC Dwg. No. 1293365.
- 11. <u>Justification for the Type of Construction Planned</u>. 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.

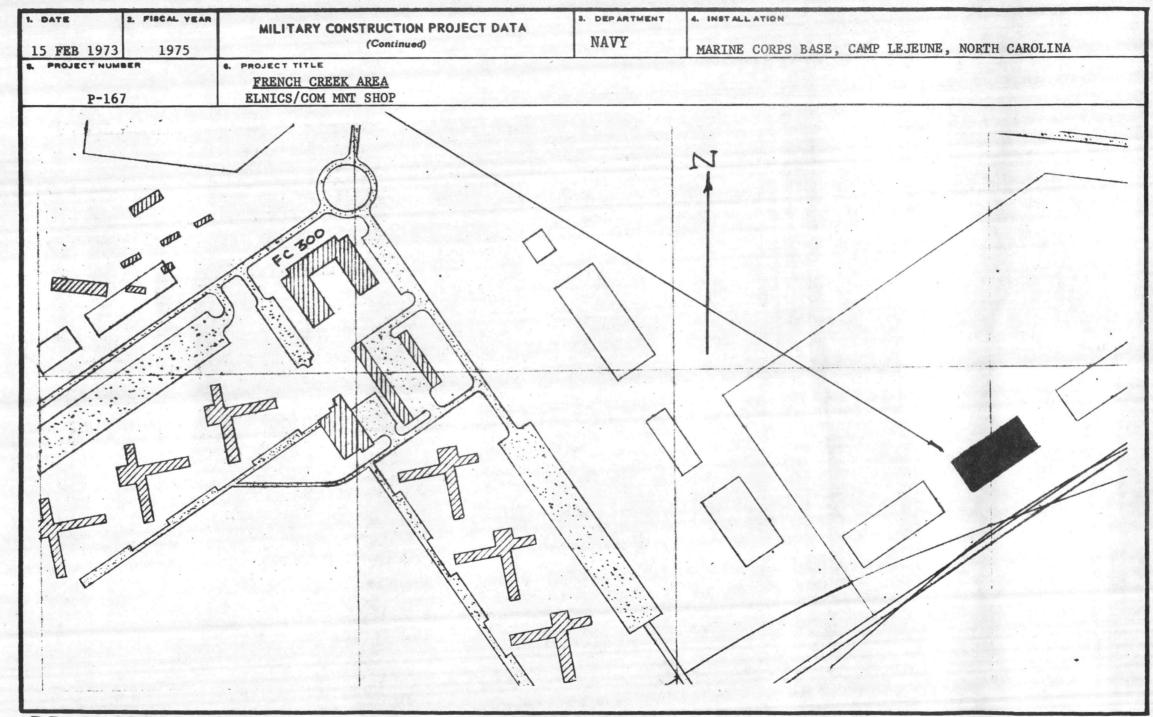


1. DATE 2. FISCAL YEAR	MILITARY CONSTRUCTION PROJECT DATA	S. DEPARTMENT	4. INSTALL ATION
15 FEB 1973 1975	(Continued)	NAVY	MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA
. PROJECT NUMBER	6. PROJECT TITLE		
	FRENCH CREEK AREA		
P-167	ELNICS/COM MNT SHOP		

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

B-18277





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PLATE NO. 14215

B-18277

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