1 COMPONENT 2. DATE FY 19 87 MILITARY CONSTRUCTION PROJECT DATA REVISED NAVY 1 March 1985 3. INSTALLATION AND LOCATION 4. PROJECT TITLE MARINE CORPS BASE COMBAT VEHICLE MAINTENANCE SHOP CAMP LEJEUNE, NC 28542 8. PROJECT COST (\$000) 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 2,000 P - 027214-51

ITEM	U/M	QUANTITY	COST	(\$000)
COMBAT VEHICLE MAINTENANCE SHOP	SF	16,120	95.24	1,535
BUILDING	SF	16,120	89.35	(1,440)
BUILT-IN EQUIPMENT	LS	The Lates	482 mg	(57)
SOLAR HOT WATER HEATING SYSTEM	LS	965 - Land		(38)
SUPPORTING FACILITIES	LS		e e e <u>-</u> referen	291
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(18)
UTILITIES	LS	Service Land	-	(88)
ROADS, PARKING, SIDEWALKS	LS	- to	Capital Park	(109)
SITE IMPROVEMENTS	LS	-		(48)
VEHICLE WASH APRON w/POLLUTION CONTROL	SY	445	50.00	(28)
SUBTOTAL				1,826
CONTINGENCY - 5%	17.5			91
TOTAL CONTRACT COST		9.2		1,917
SUPERVISION, INSPECTION AND OVERHEAD - 5.5%				105
TOTAL REQUEST				2,022
TOTAL REQUEST (ROUNDED)			Basin P. S.	2,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(non-add)	(0)

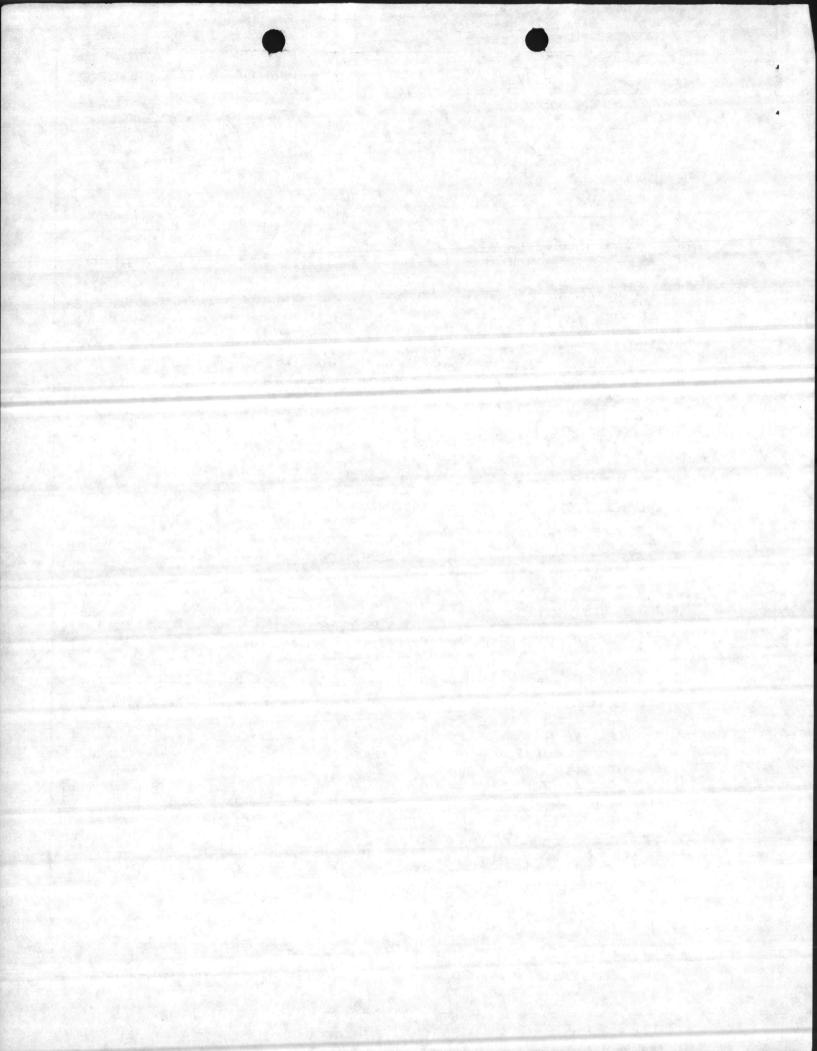
10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a maintenance facility with high bays of reinforced concrete on pile foundation with masonry walls, concrete floors and roof, built-up roofing and insulation. Overhead doors in bay areas, fire protection and alarm systems, telephone and equipment installation, energy conservation and pollution abatement features are included in project. Wash aprons and oil/water separators and hazardous flammable storage, pavements, security fencing and lighting, and utility connections are included. (Air Conditioning: 6 tons)

11. REQUIREMENT: 181,977 SF Adequate: 44,578 SF Substandard: 9,920 SF

 $\overline{ ext{PROJECT}}$: Provide an adequate Combat Vehicle Maintenance Facility for the 8th Communications Battalion to perform 1st and 2nd echelon maintenance on organic rolling stock.

REQUIREMENT: The 8th Communications Battalion has the responsibility to provide and maintain communications within a Marine Amphibious Force theater of operations. This includes a Marine Division, a Marine Air Wing and a Force Service Support Group. This project will provide an adequate facility to maintain the battalions organic combat vehicles. This includes radio trucks, communications wire trucks, personnel carriers, etc. The number of trucks and other vehicles organic to the Battalion is 274. Over 355 personnel will work in this facility.



1. COMPONENT

NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

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3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

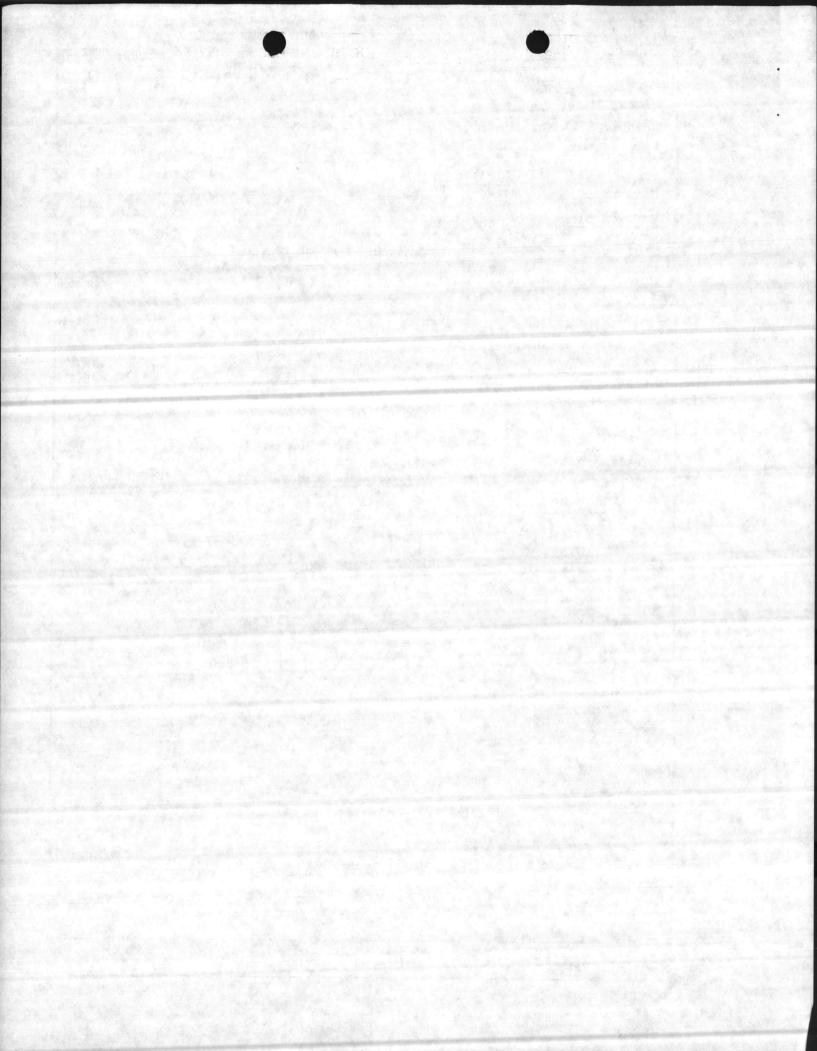
4. PROJECT TITLE

5. PROJECT NUMBER

P-027

COMBAT VEHICLE MAINTENANCE SHOP

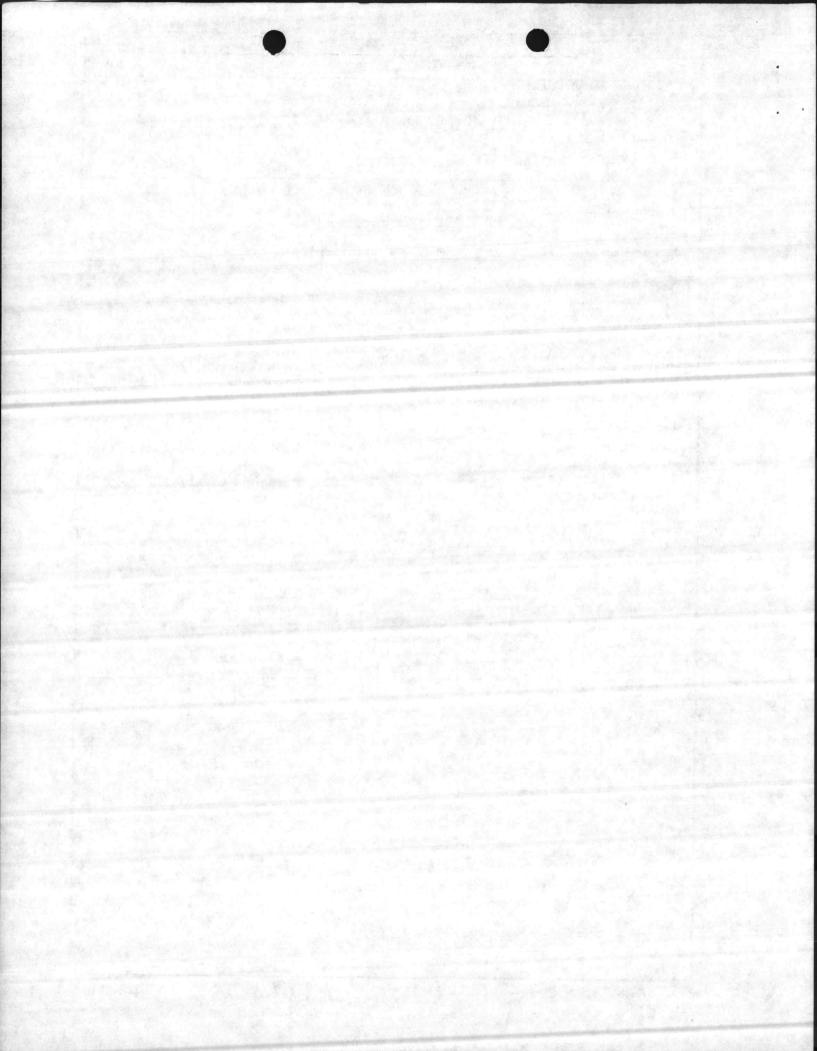
The 8th Communications Battalion is now performing CURRENT SITUATION: combat vehicle maintenance in three scattered facilities. Two of them are small substandard World War II structures (Bldg. 1604 and 1605) located in the Industrial Area of Hadnot Point, two miles from their base of operations in the French Creek Area. These buildings are also used for that battalions communications equipment maintenance program. A portion of another battalions buildings, FC-100, in French Creek is also shared. The two buildings in the Industrial Area cannot be made adequate, doors and ceiling heights were designed for smaller vehicles. They lack such common maintenance support features as hydraulic lifts, overhead craneways, oil and grease lines, compressed air, oil traps, environmental protection features, proper work benches and adequate lighting. These two facilities will revert to Marine Corps Base and be utilized for smaller commercial type vehicle maintenance. The shared space in FC-100 will revert back to another Fleet Marine Force Battalion. IMPACT IF NOT PROVIDED: Work will continue to be done in scattered substandard facilities causing prolonged maintenance efforts with the resulting increase in deadlined equipment, adversely affecting combat readiness.



1. COMPONENT FY 19 MILITARY CONSTRUCT	TION PROFICT DATA
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3. INSTALLATION AND LOCATION	
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAL	ROLINA 28542
4. PROJECT TITLE	5. PROJECT NUMBER
COMBAT VEHICLE MAINTENANCE SHOP	P-027

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.

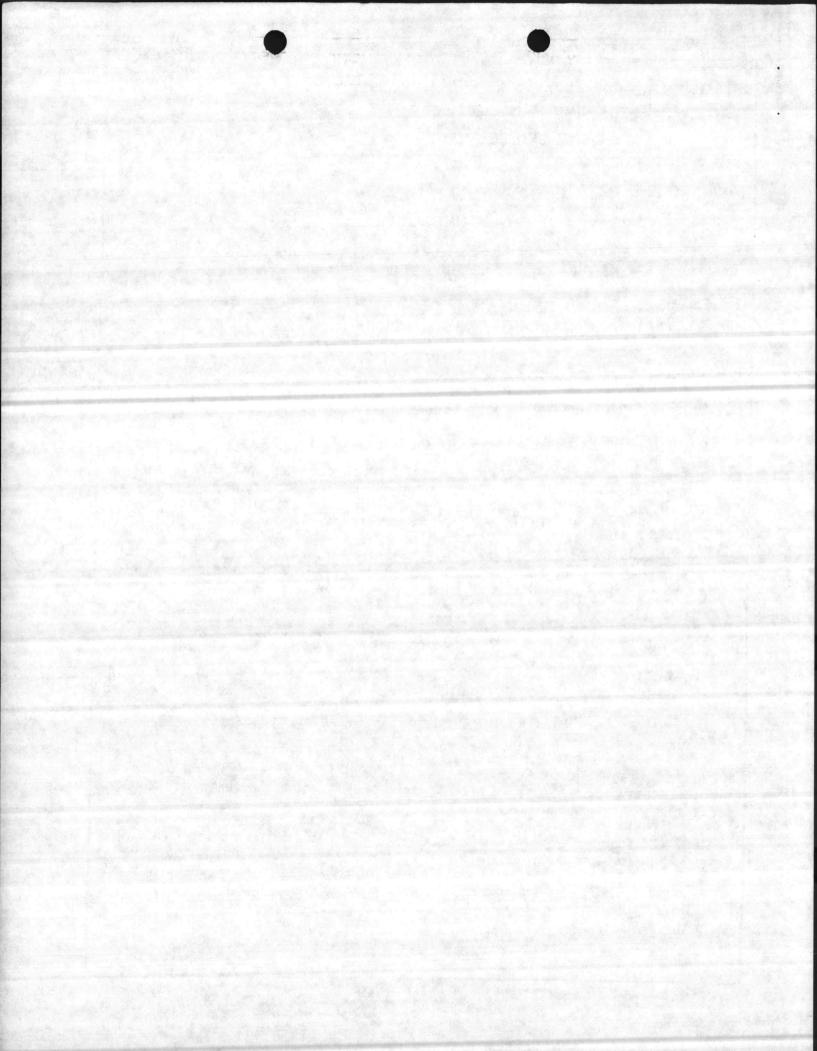


2. DATE 1 COMPONENT FY 19 87 MILITARY CONSTRUCTION PROJECT DATA NAVY MAR 1 1985 3. INSTALLATION AND LOCATION MARINE CORPS BASE. CAMP LEJEUNE, NORTH CAROLINA 28542 5. PROJECT NUMBER 4. PROJECT TITLE P - 027COMBAT VEHICLE MAINTENANCE SHOP

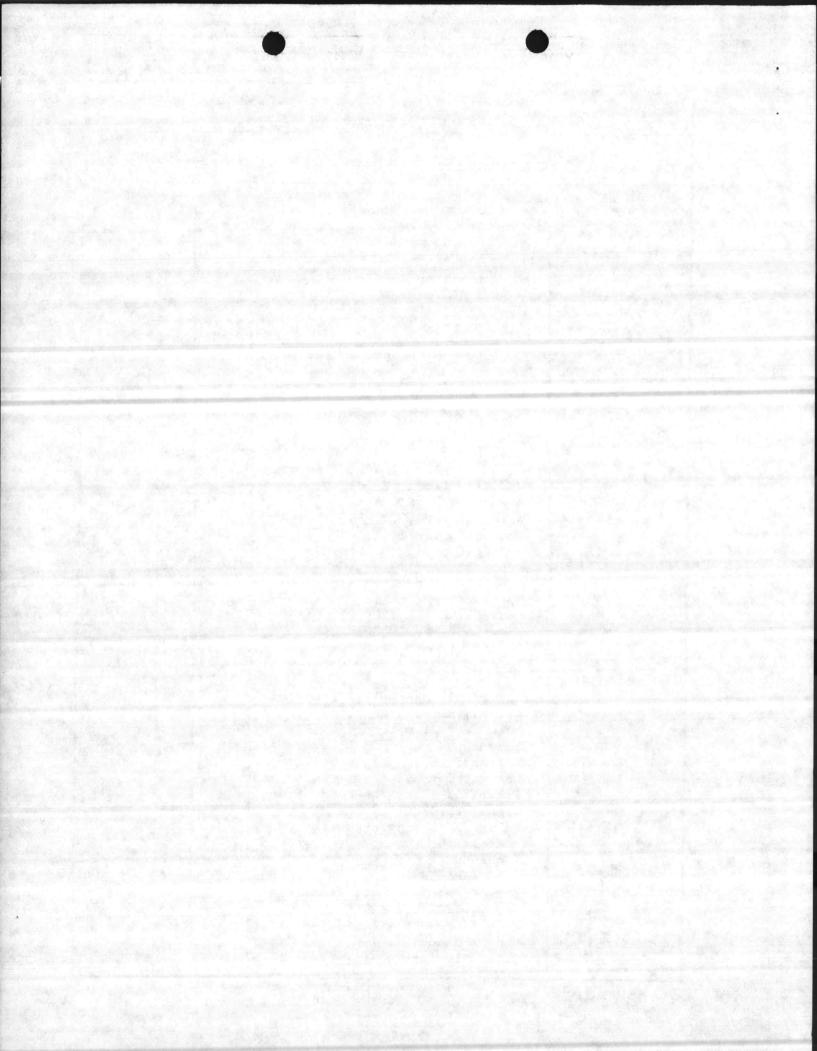
FACILITY STUDY

- Project. Provide a Combat Vehicle Maintenance Shop for the 8th Communication Battalion of the 2d Force Service Support Group.
- 2. Current and Planned Future Workload with Regard to this Project. percentage of usage for this facility is 100 percent of the time, and the duration of need is indefinite. There is no projected decrease in the necessary maintenance and repair of organizational equipment required to be performed in the facility.
- 3. Description of Proposed Construction.
 - a. Type of Construction.
- (1) Permanent two-story wheel and tracked Combat Vehicle Maintenance Building of steel frame and masonry construction with pile and reinforced concrete foundation, floors and roof, masonry walls, built-up roof, insulation, interior and exterior utility systems.
- (2) Reinforced concrete inspection/lube rack and wash aprons with pollution controls, walkways, parking pavements, security fencing and lighting, site improvements, and storage facilities.
- b. Replacement. Existing facilities will be temporarily utilized to satisfy deficiencies until new facilities are constructed.
 - c. Description of Work to Be Done.
- (1) Primary Facility. Modular reinforced concrete/steel/masonry structure on pile foundation.
- (a) Support Facilities. Rigid and flexible pavements, demolition, security fencing and lighting, utilities, site improvements, storage facilities, and wash aprons.
- (2) Energy Conservation. Energy efficient equipment and building orientation for maximum energy conservation will be utilized.
 - (3) Collateral Equipment.

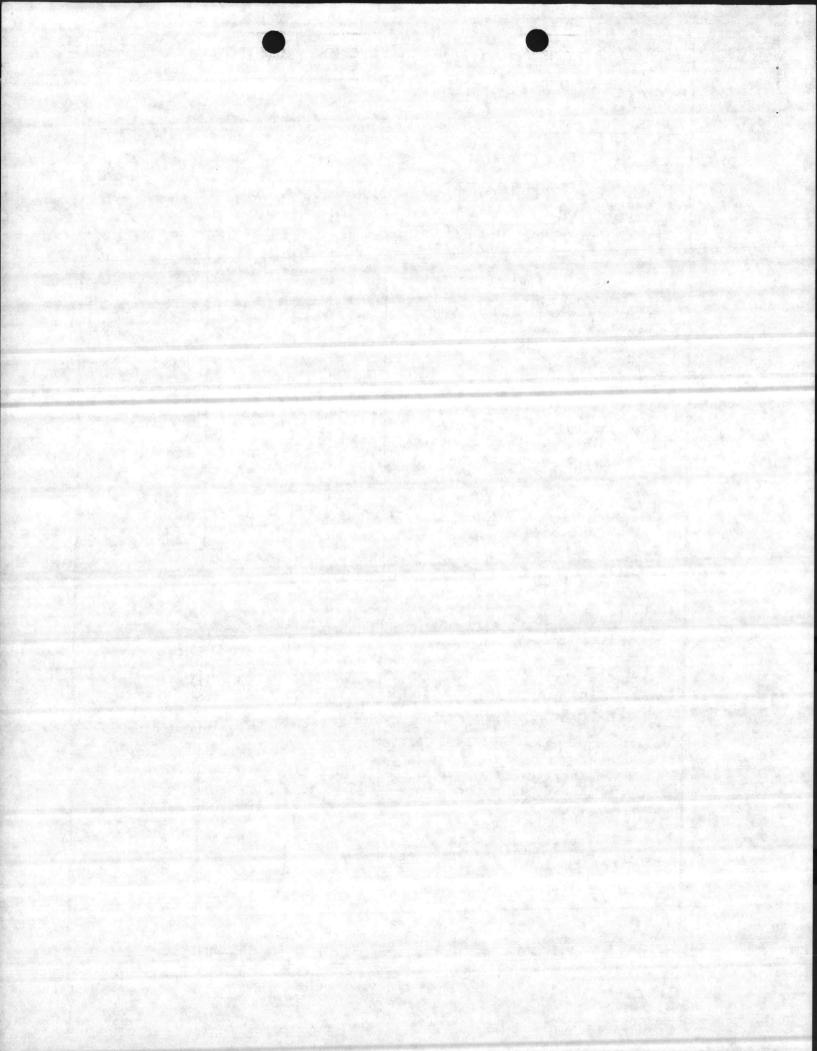
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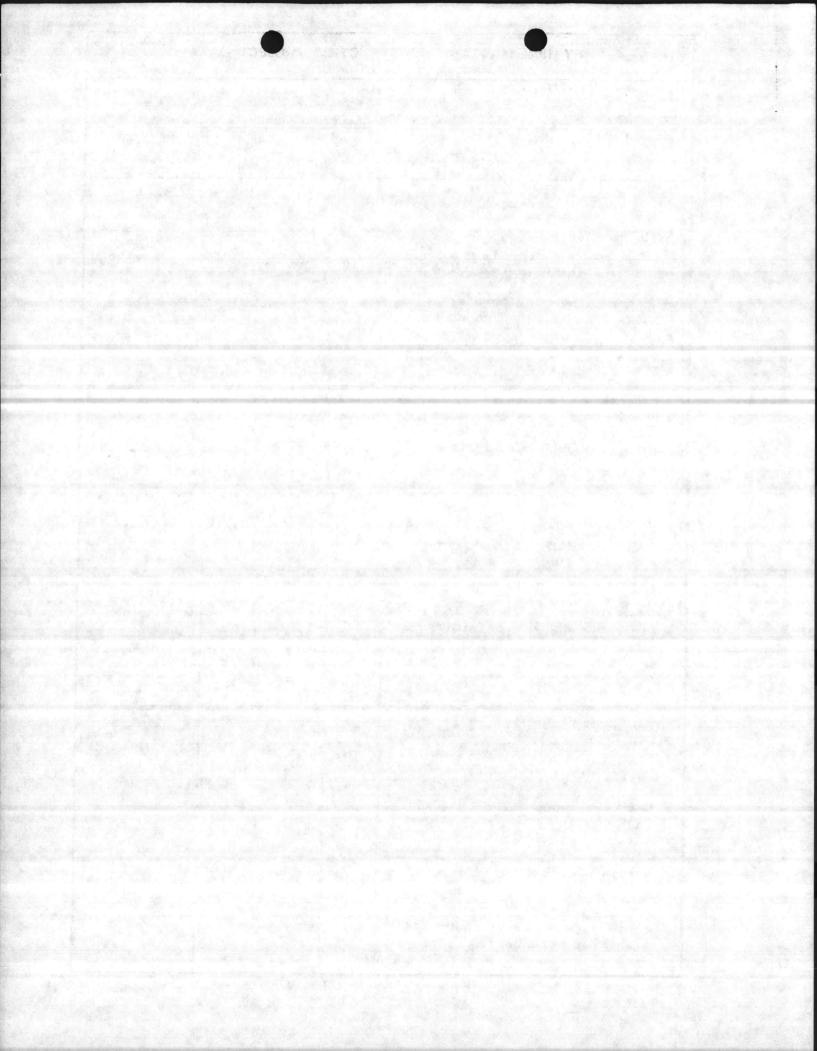
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ARINE CORPS BASE,	CAMP LEJEUNE, NORTH CAROLINA 28542	Maria . Ay	
PROJECT TITLE	e - Anno and a deal of the said the state of the said and a said the said t	5. PROJECT NUI	MBER
COMBAT VEHICLE MA	INTENANCE SHOP	P-027	
	•		
Collateral Equipm	ent (continued) *Venetian Blinds and window screens	· EA	
1. BUILT IN	*Air Conditioning, heating and	SYS	
EQUIPMENT TO BE	하는 사용하는 사람들은 이 전환하는 전에서는 전쟁이 가는 전쟁이라고 하는 것이 없는 것이다. 이 전환화 전쟁을 다 하는 것이다. 전쟁 전쟁 보다 <mark>되</mark> 었다.		
MCON FUNDED:	ventilating systems	SYS	
	*Interior steam system	SYS	
	*Plumbing system	SYS	
	*Compressed Air system		
	*Used oil system	SYS	
	*Vehicle Fueling system	SYS	
All the Residence of the State	*Sprinkler system	SYS	
	*Telephone, fire alarm, and inter-		
	com systems	SYS	
	*Drinking water coolers	EA	
	*Lockers	EA	
	*Chalkboards	EA	
	*Engine starting outlets: 12,24		
	and 36 volts	EA	-
	*Tire changer, elec-air Bishman		
	Co., fractional HP, 280V, 3-phase		
	3-wire, 150 PSI, compair	EA	
	*Air hose reel, 150 PSI, HD, w/		
	hose stop (ceiling, wall or ped-		
	estal mounted), provide water		
	separator .	EA	
	*Elec extension Cord Reel, HD,		
	w/cord stop (ceiling, wall or	EA	
	pedestal mtd), 120V, 1 phase	EA	
	*Water hose reel, HD w/hose		
	control valve & hose stop		
	(ceiling, wall or pedestal mtd)		
	CW	EA	
	*Hose reels assembly, w/control		
	valves, HD, overhead, automatic		
	hose stops & meters, 150 PSI		
	comp air, 1 chassis lube, 1		
	hydraulic oil, 2 motor oil, 1		
	gear oil, provide water separator	EA	
	*Exhaust system, overhead, frac-		
	tional HP, 220V, 3-phase	EA	
	*Deluge shower, w/eye wash, CW	EA	
	*Outlets for portable arc welder		
	(grounded)	EA	
		EA	
	*Acid resistant sink, CW	LA	
	*Exhaust hood (over), fractional	PA	
	HP, 110V, 1-phase	EA	
	*Pass window, 4'wide w/counter	EA	
	and "B" label roll-down shutter	411 64	
	(w/fusible link), if req'd.		



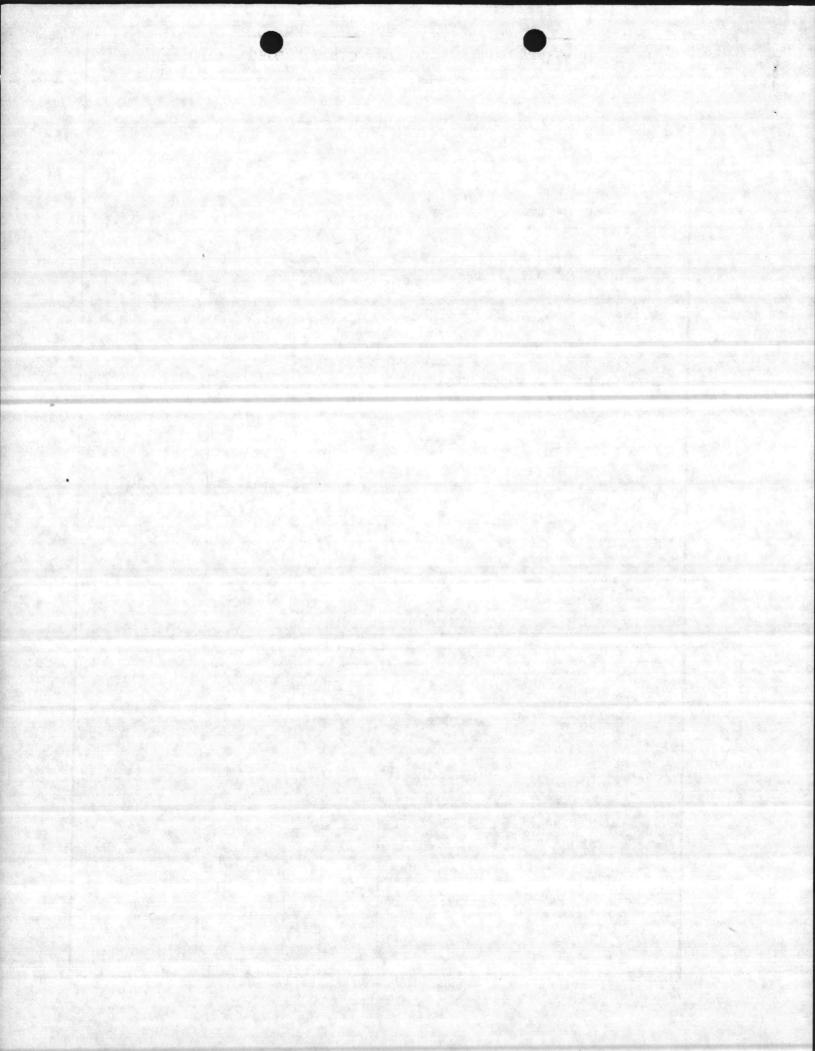
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MARINE CORPS BASE, CAMP LEJEUNE, NORTH	CAPOL	rMA 28	5.4.2	
A. PROJECT TITLE	CAROLI	LINA ZO	5. PR	OJECT NUMBER
COMBAT VEHICLE MAINTENANCE SHOP	- Pro-			P-027
1. Built In Equipment to be MCON Fund	ded: (cont'd)	
*Counter, dispatcher's		1		
*Lube dispensing eqpt w/access				
(couplers, valves, regulators		FA		
etc).		EA		
*Air pumps, 400 lb drums for oil				
(chassis, gear, motor oil, trans and hydraulic fluid), as req'd		EA		
*Twin post pneumatic lifts, one				
HD, 24,000 lb cap, 150 PSI				
comp air		EA		
*Air compressor, 150 PSI, (2-stage				The state of the s
32 CFM), 3-phase, 3-wire, 220V		EA		
15 HP		LA	1.00	
*Twin post pneumatic lift, LD, 11,000 lb cap., 150 PSI comp air	14.5	EA		
*1-ton overhead monorail, 1% HP				460
220V, 3-phase, 60-cycle, 120V				
power to controls & switches				
*Equipment with associated installat	ion co	st.		
*Equipment with associated installate	10.1			
	- 1		100	
	APP NOTE			
2. EXPENSE ITEMS:				
Desk, flat top, dbl ped, 60"x30"	6	EA	227.51	1,365
walnut pattern, no overhang		200		
		-	171.40	1,028
Desk, flat top, 45"x30" walnut	6	EA	171.40	1,020
pattern, no overhang				
Attachment for above & gen	6	EA	128.78	773
clerical purposes				
		200	(2.16	. 769
Chair, rotary, tilting seat &	12	EA	63.46	762
back, adj seat height, w/ arms	J - T1	300		
and casters				
Chair, secretarial, rotary, adj	6	EA	61.82	371
seat height, w/o arms, w/casters	A. at the			
, , , , , , , , , , , , , , , , , , , ,		1		
Stand, office machine, 2 drop	4	EA	122,00	488
leaves, walnut pattern top, w/				
casters				1 2 32 22 34
Cabinet, filing, 5-dwr legal sz	6	EA	146.20	877
Capinet, IIIIIIg, J-uwi regar 82	etron to		The Tay Bridge	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1



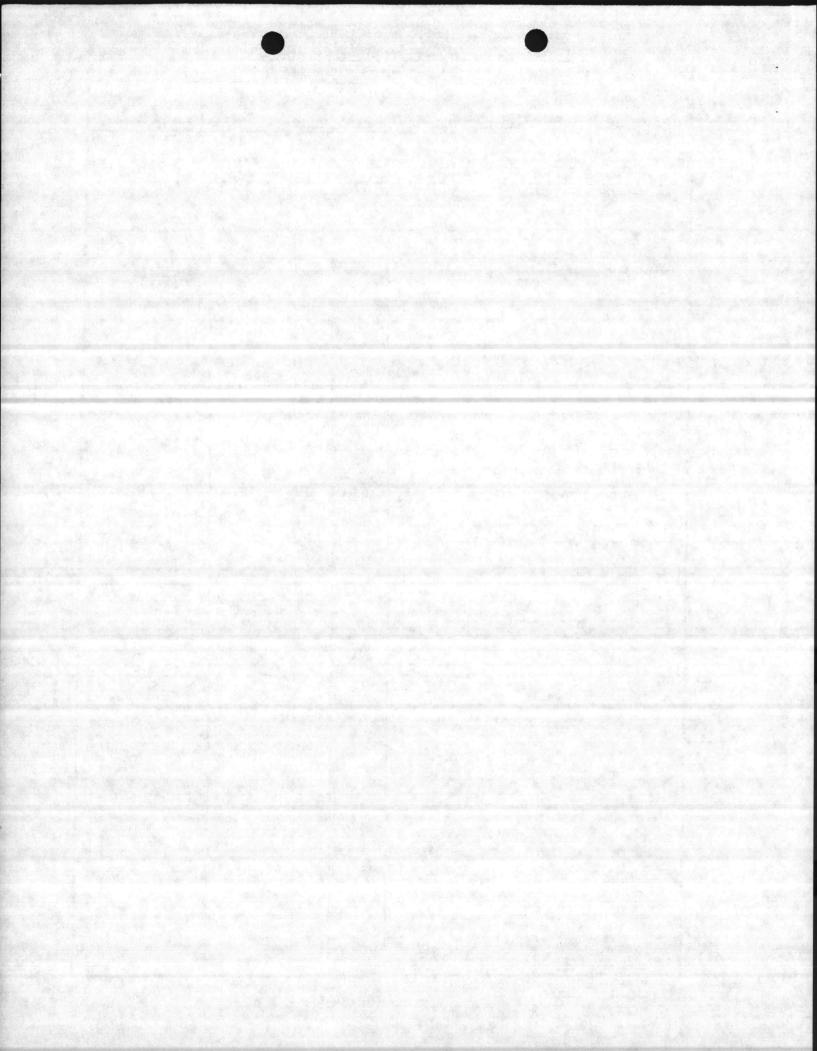
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INE CORPS BASE, CAMP LEJEUNE, NORTH	CAROLI	NA 285		
ROJECT TITLE MBAT VEHICLE MAINTENANCE SHOP			THE CONTRACTOR	-027
	1			
EXPENSE ITEMS: (continued)				
Cabinet, storage, dbl door	6	EA	132.27	794
Chair, straight, w/o arms	18	EA	40.00	720
Customer, wearing apparel 4 dbl hooks, round pole w/round base	18	EA	31.50	567
Rack, wearing apparel, contemporary, 6 mtl hangars,	. 6	EA	55.63	334
Basket, wastepaper	20	EA	2.75	55
Trashcan, 15 gal plastic, push- type lid, Rubbermaid #8160	16	EA	80.85	1,293
Lamp, desk	18	EA	41.50	747
Extinguisher, fire, dry chemical class B/C, CO ₂ gas cartridge operated, 20 lb capacity, Ansul Brand	9	EA	90.00	810
Extinguisher, fire, 15 1b capacit CO ₂ cartridge operated Class B/C	y 14	EA	80.34	1,125
Extinguisher, fire, 2½ gal air- expelled water, class A, stain- less steel	14	EA	29.55	414
Board, bulletin, cork, alum frame 4'x6'	6	EA	46.00	276
Table, general purpose	4.	EA	164.00	656
Chairs, student Model HC-7730- PABS-PP	26	EA	50.00	1,300
Easel, portable, w/frame 29x40" Model T-5-80E	2	EA	90.00	.180
Bookcase, two shelves, parch.	42	EA	79.50	3,339



NAVY NSTALLATION AND LOCATION	4.75	5 W 5 S	1977 L. S. 19	MAR 1 19
RINE CORPS BASE, CAMP LEJEUNE, NORTH	CAROL	INA 28	3542	
ROJECT TITLE			5. PR	DJECT NUMBER
MBAT VEHICLE MAINTENANCE SHOP	• 140		aber was	P-027
. EXPENSE ITEMS: (continued)				
	1			900
Draperies	10 .	PR	90.00	900
Draperies, blackout	3	PR	95.00	285
Workbench, w/cabinet, portable #4624T23, pg 155	6	EA	422.55	2,535
Workbench, w/ 12 ga top and 14 ga	6	EA	334.73	2,008
lower shelf & rear stringer. overall size 60"x29" x35" mobile #9051T16 pg 152	24			
Bins, parts, adj. shelving	8	EA	86.00	688
Rack, tire storage, 3 tiers high	2	EA	815.00	1,630
Bins, parts, rota, 3'dia, multi- bin	10	EA	414.00	4,140
Saw, power hack, 1½HP, 220V 3-phase	1	EA	650.00	650
Welder, Heli-arc, AC/DC shop Type 300 amp	1	EA	575.00	575
Vulcanizer, tire, HD, vulcan- izing molds	1	EA	1,288.00	1,228 、
Tank test (water), 24"x50"x18" CW	1	EA	414.00	414
Kit, acetylene, cutting & welding	1	EA	546 -00	546
Charger, battery, 12V, 24V, 36V selenium type; battery tester 12V,24V,36V, 2.2KW, 110/220V	2	EA	633.00	1,266
Shelving, 14" w/adj. standards	6	EA	138.00	828
Shelving, 12" w/adj. std. 36" wide & 84" H	6	EA	104.00	624
Bookcase	42.	EA	61.02	2,563

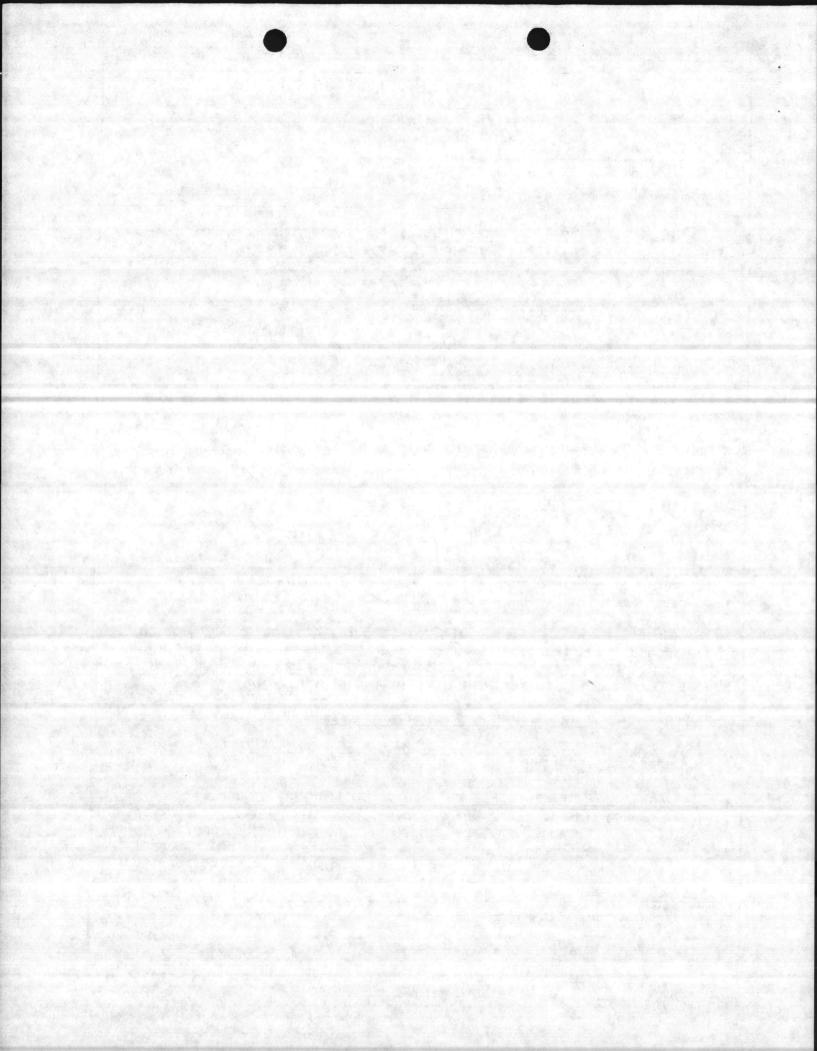


INSTALLATION AND LOCATION				
RINE CORPS BASE, CAMP LEJEUNE, NOR	TH CAROL	INA 2	8542 5. PRO	JECT NUMBER
COMEAT VEHICLE MAINTENANCE SHOP				P-027
2. EXPENSE ITEMS (continued)	•			
Racks, security, for tool boxes 24 openings	4	EA 2	2,300.00	9,200
TOTAL EXPENSE ITEMS: Accelerated to 1987				50,994 62,284
None				
None				
(To be locally funded) Projector, movie	1	EA	650.00	650
Screen, movie	1	EA	235.00	235
Projector, overhead	1	EA	375.00	375
TOTAL TRAINING EQUIPMENT				1,260
BENEFICIAL OCCUPANCY DATE: Apr	il '88			
		Vie.		
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NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	MAR 1 1985
3. INSTALLATION	IND LOCATION	
MARINE CORPS	BASE, CAMP LEJEUNE, NORTH CAROLINA 28542	
4. PROJECT TITLE	5. PROJE	CT NUMBER
COMBAT VEHICL	E MAINTENANCE SHOP	P-027

- (4) <u>Supporting Facilities</u>. Special piling, foundation, waste water collection system, collateral equipment, site improvement, solar hot water system, pollution abatement and hazardous flammable storage.
- 4. Cost Estimate. Area cost factor for Camp Lejeune, N. C. is u.95. Cost data derived from the Military Construction Cost Review Guide, FY-84 (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 the 8th Communication BattaTion with adequate and secure facilities to perform combat vehicle maintenance and operations.
- (2) <u>Current Situation</u>. Personnel are sharing a facility with another Battalion.
- (3) Impact if not Provided. Personnel will continue to function in substandard and makeshift facilities, resulting in time-consuming and inefficient operations with loss of work time and wasted energy.
- b. <u>Justification for Scope of Project</u>. The project scope, 16,120 SF is the minimum size facility that can meet the space requirements for the Combat Vehicle Maintenance Shop needs of the 8th Communication Battalion, 2d FSSG. See Item 13 for existing facilities presently in use.
- 6. Equipment Provided from Other Appropriations. Not applicable.
- 7. Common Support Facilities. There are no common support facilities available for the 2d FSSG.
- 8. Effect on Other Resources. The project will require approximately \$11,761 per year in increased O&MMC funds for increased utility services and operations. No additional personnel will be required to operate this facility. The project will enhance and improve the morale of personnel presently working in substandard facilities. Proposed construction should be responsible 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.



2. DATE 1. COMPONENT FY 19 87 MILITARY CONSTRUCTION PROJECT DATA NAVY MAR 1 1985 3. INSTALLATION AND OCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542 5. PROJECT NUMBER 4 PROJECT TITLE COMBAT VEHICLE MAINTENANCE SHOP P-027 UTILITY REQUIREMENTS Consumption 42,966 KWHR/yr a. Electricity: Peak Demand 35 KW Avg. Demand 26 KW Consumption 13,823,405 lbs/yr Steam: 2,221 lbs/hr Demand 242.8 tons/yr c. Coal: d. Adequate utility requirements are available. 9. Siting of the Project. The facility is located in the French Creek . Area and is in compliance with the latest Camp Lejeune Master Plan. See enclosure (1).

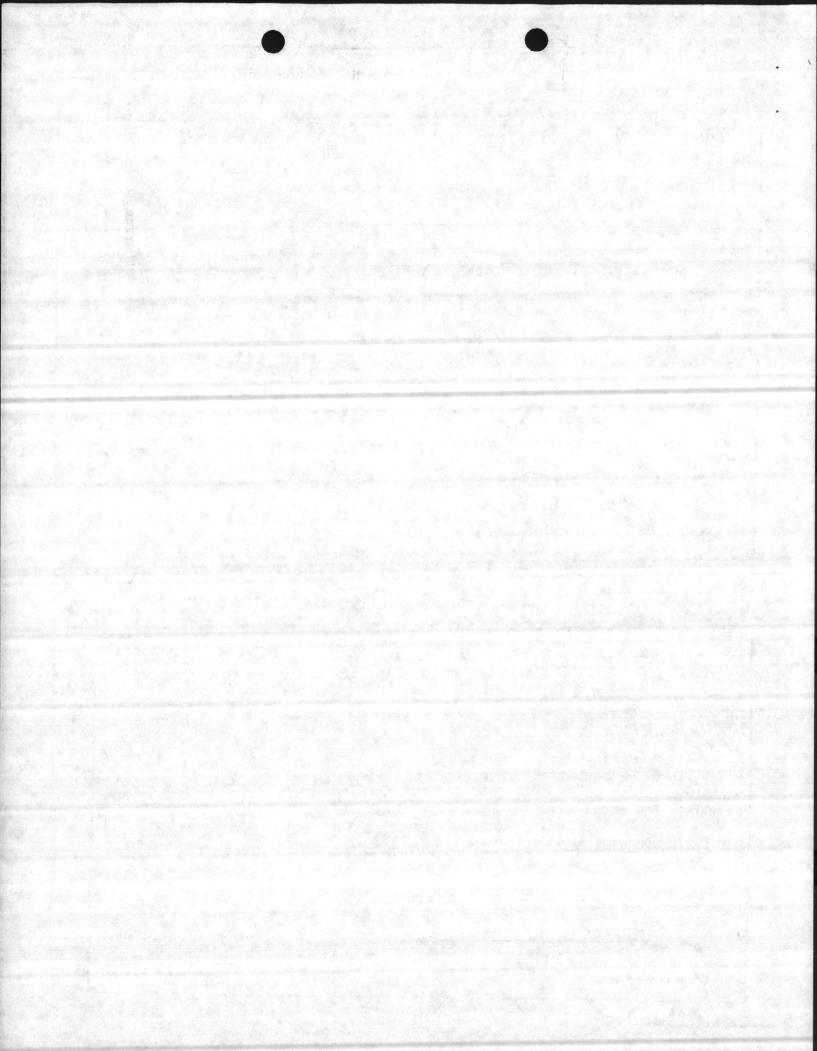
- 10. Other Graphic Presentations, including Photographs. None.
- 11. Economic Analysis. This facility is being constructed on an undeveloped site in the French Creek Area. Economic saving will be in nominal energy consumption realized from efficient operations. This is a military operational project in support of an operational mission located in this area.
- 12. Environmental Impact. 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)): 178,827 SF. NAVFAC P-80 states that the requirement for Category Code 214-51, Combat Vehicle Maintenance Shop, is determined from definitive drawings given in NAVFAC P-272, Part IV. The total requirements are 178,827 SF.

NAVFAC Drawing No.	<u>Activity</u>	Area (SF)
1294443 1294499 1294505	Headquarters & Service Battalion	26,570
	2d Radio Battalion	11,480
1294447	2d Maintenance Battalion	12,180

S/N 0102-LF-001-3915



1 COMPONENT

NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

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3. INSTALLATION AND LOCATION

MARINE CORPS BASE

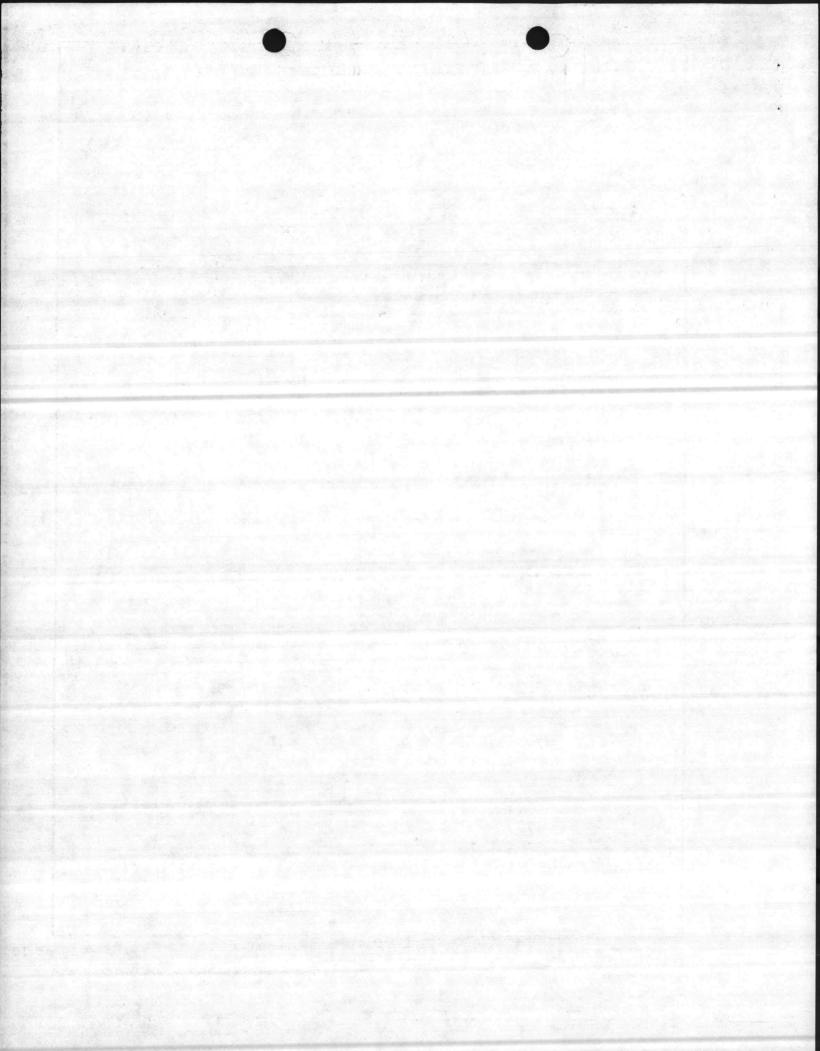
CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE COMBAT VEHICLE MAINTENANCE SHOP 5. PROJECT NUMBER P-027

NAVFAC Drawing No.	Activity	Area (SF)
1293380	2d Supply Battalion	10,650
1294449	8th Communication Battalion	16,120
1294448 1294498 1294505	8th Engineer Support Battalion	31,680
1294446 1294505	8th Motor Transport Battalion	23,460
	2d ANGLICO/Force Recon Company	14,413
1293376	2d Medical Battalion	8,500-
1293378	2d Landing Support Battalion	18,280
	TOTAL:	173,333

b. Existing Assets:

FACILITY NO.	TOTAL ASSETS	(SF)	REMARKS
FC-100	(31,160)		Substandard - To be converted to CCN 214-53.
GP-19	(4,000)		Substandard - To be demolished when deficiency is satisfied.
STC-776	(108)		Substandard - To be demolished upon completion of P-517
739	(4,000)		Substandard - To be demolished when deficiency is satisfied.
746	(960)		Substandard - To be demolished when deficiency is satisfied.



1. COMPONENT

NAVY

FY 19_87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

MAR 1

1985

3. INSTALLATION AND LOCATION

MARINE CORPS BASE

CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE

5. PROJECT NUMBER

COMBAT VEHICLE MAINTENANCE SHOP

P-027

c. Planned Facilities.

PROJECT NO.	AREA (SF)	STATUS
P-533	14,413	Completed
P-255	11,480	Completed
P-562	18,280	Under Construction
P-563	8,500	FY-84 Program
P-240	10,650	FY-84 Program
P-276	12,180	FY-84 Program
P-054	26,570	FY-84 Program
P-027	16,120	FY-86 Program
P-517	23,460	FY-86 Program
P-266	31,680	FY-90 Program

S/N 0102-LF-001-3915

