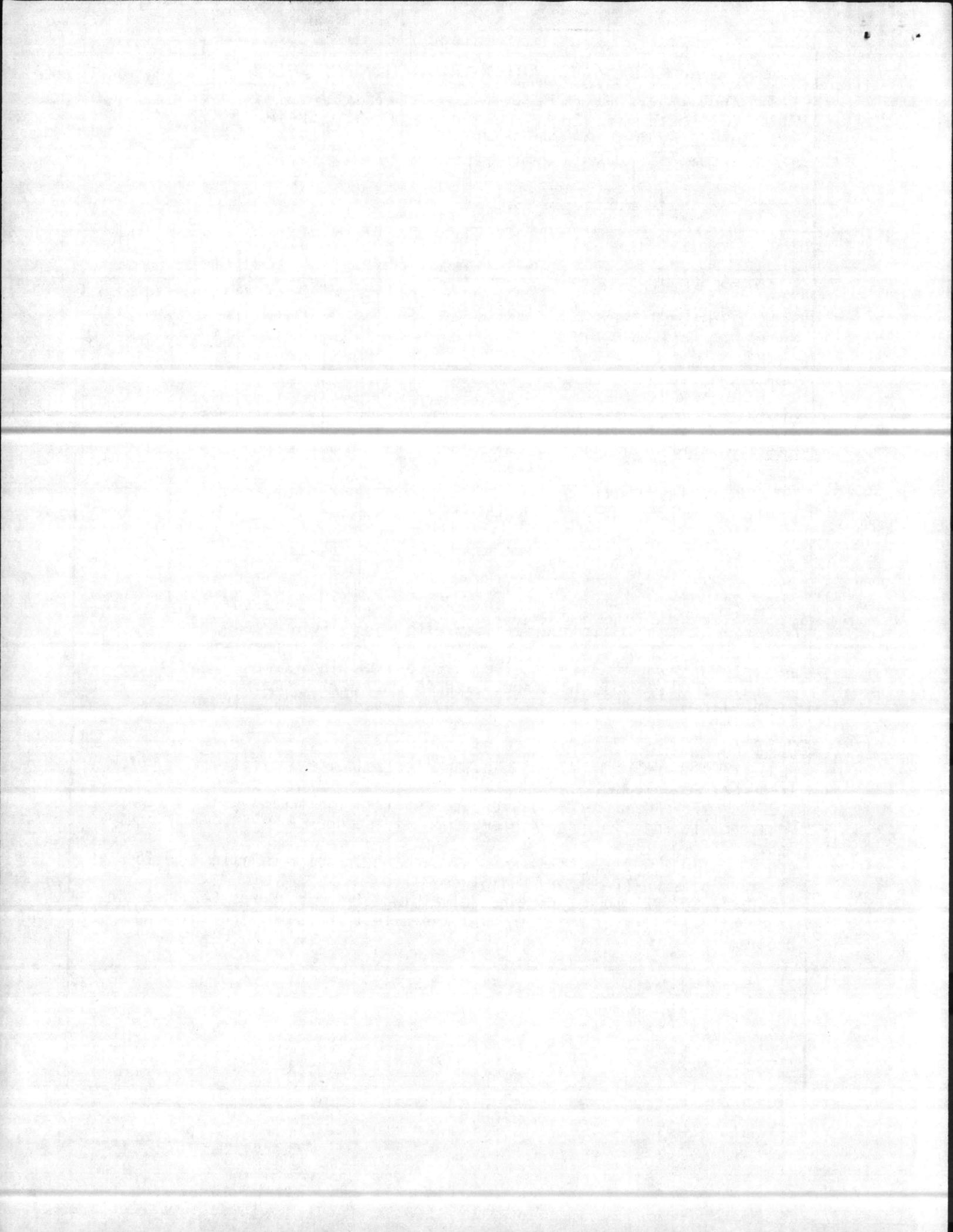
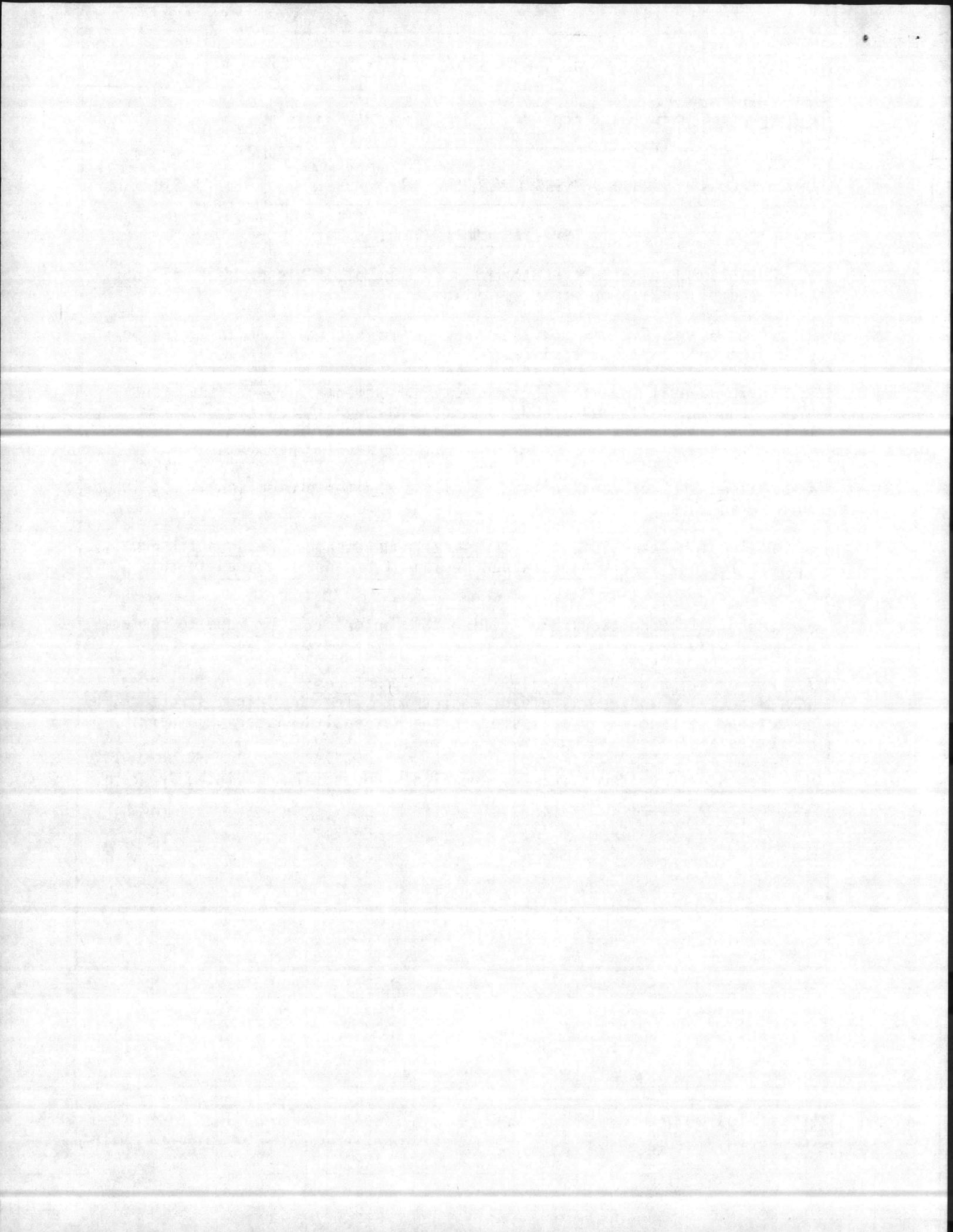


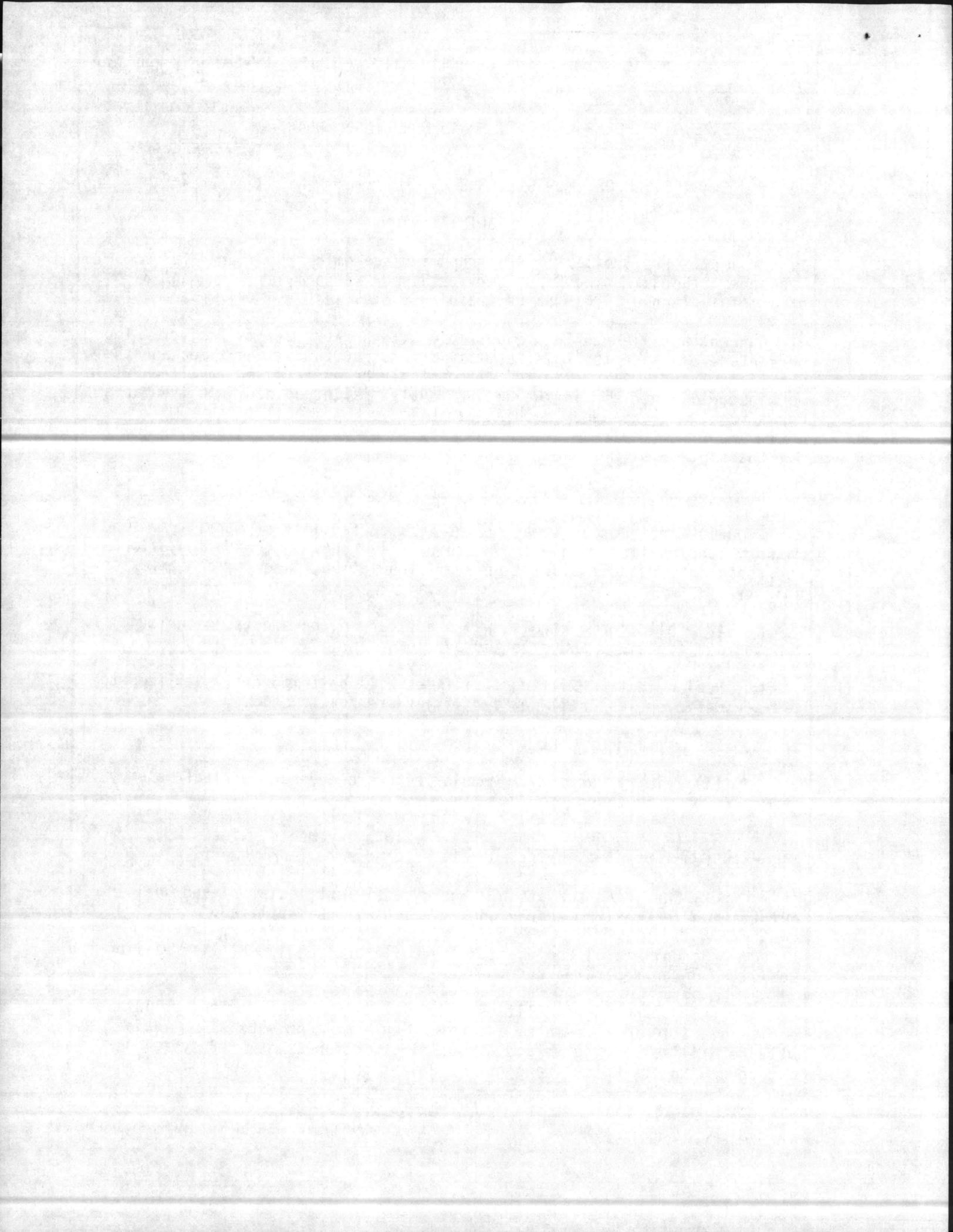
1. COMPONENT NAVY	FY 19⁸⁶ MILITARY CONSTRUCTION PROJECT DATA			2. DATE 1 AUG 1981
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA 28542			4. PROJECT TITLE OF-35 MECHANICS SCHOOL, MCSSS (INCREMENT 3)	
5. PROGRAM ELEMENT	6. CATEGORY CODE 171-20	7. PROJECT NUMBER P-810	8. PROJECT COST (\$000) \$2,800	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
MECHANICS SCHOOL BUILDING	SF	24,423	86.23	2,106
BUILT-IN EQUIPMENT	SF	24,423	75.00	(1,832)
SUPPORTING FACILITIES	LS	-	-	(274)
PAVEMENTS, RIGID AND FLEXIBLE	LS	-	-	316
SECURITY LIGHTING, FENCING, UTILITIES, AND SITE IMPROVEMENT	LS	-	-	(142)
SUBTOTAL	LS	-	-	(174)
CONTINGENCY - 10%	LS	-	-	2,422
TOTAL CONTRACT COST	LS	-	-	242
SUPERVISION, INSPECTION, & OVERHEAD - 5.5%	LS	-	-	2,664
TOTAL REQUEST (ROUNDED)	LS	-	-	146
INSTALLED EQUIP - OTHER APPROPRIATIONS	-	-	-	2,800
10. DESCRIPTION OF PROPOSED CONSTRUCTION Construct permanent applied facility with piles, reinforced concrete foundation, floors, and masonry walls. Built-up roof over insulation and interior support systems; i.e. air conditioning, compressed air, sprinkler, fire alarm, plumbing, exterior pavement, site work, and utilities connected.				
11. REQUIREMENTS <u>PROJECT:</u> Construct Increment 3 of applied/academic facilities for Motor Transport School, MCSSS. <u>REQUIREMENT:</u> Adequate facilities are required for training of military personnel in 2nd, 3rd, and 4th echelon maintenance of Marine Corps equipment. <u>CURRENT SITUATION:</u> Existing Motor Transport School facilities are located in inadequate WW-II masonry buildings. <u>IMPACT IF NOT PROVIDED:</u> Continued training of Marine Corps Personnel in inadequate facilities which impairs the effectiveness of the training program.				
VM				



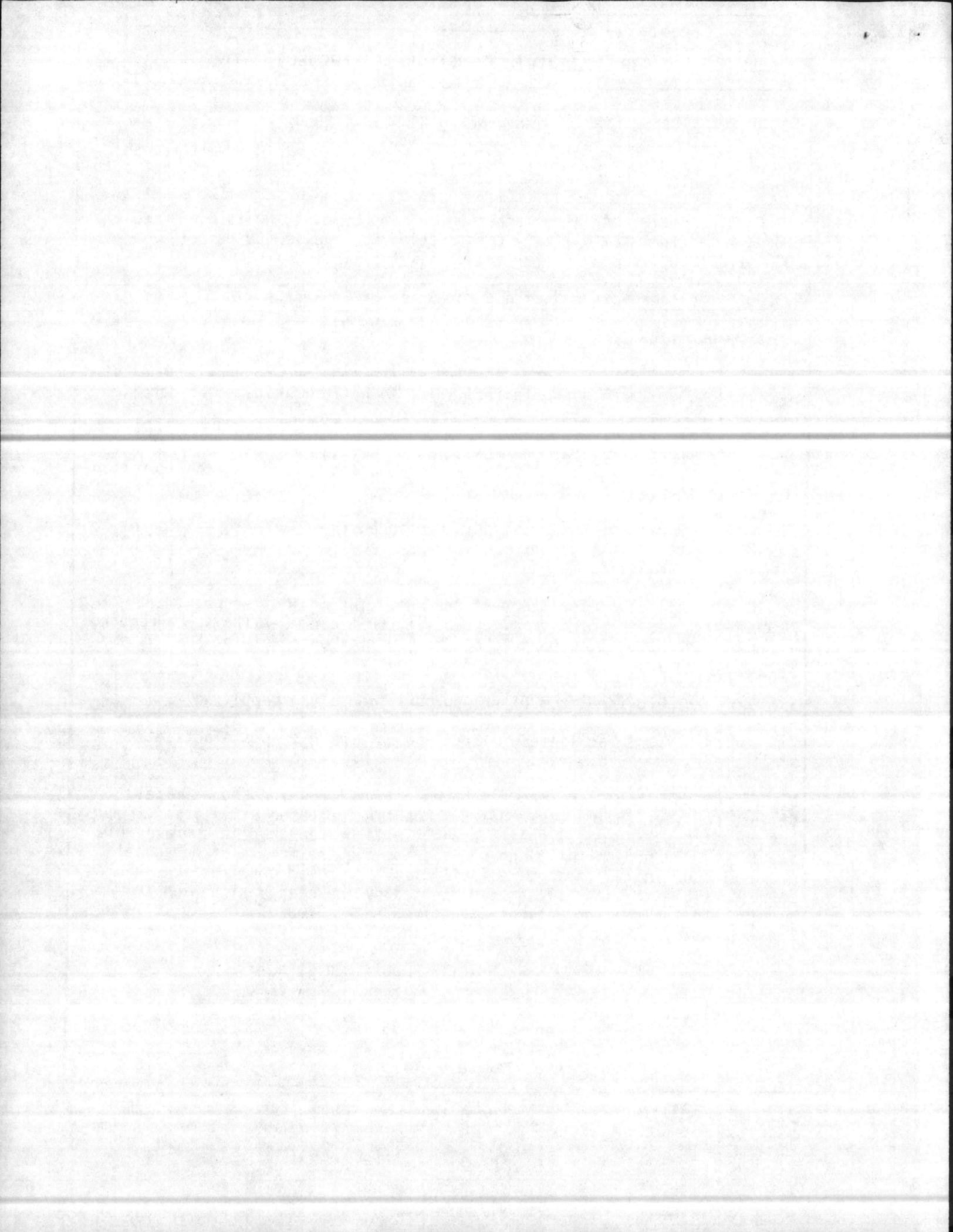
1. COMPONENT NAVY	FY 19 <u>86</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1981
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE OF-35 MECHANICS SCHOOL, MCSSS (INCREMENT 3)		5. PROJECT NUMBER P-810
<p style="text-align: center;"><u>SPECIAL CONSIDERATIONS</u></p> <ol style="list-style-type: none"> 1. <u>Pollution Prevention, Abatement, and Control</u>: This project will not cause additional air or water pollution. 2. <u>Flood Hazard Evaluation</u>: Requirements of Executive Order No. 11296 (Flood Hazards) are not applicable. 3. <u>Environmental Impact</u>: The project Environmental Impact Assessment (EIA) is being written and will be processed through the local EIA Review Board. No adverse environmental impact is anticipated. 4. <u>Fallout Shelter Construction</u>: Fallout shelter protection is not incorporated in this project. 5. <u>Design for Accessibility of Physically Handicapped Personnel</u>: Provisions for physically handicapped personnel are not required in this project. 6. <u>Use of Air Conditioning</u>: Ceiling "U" factors will be made to conform WITH DOD 4270.1-M. 7. <u>Preservation of Historical Sites and Structures</u>: 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. <u>"New Start" Criteria for Commercial or Industrial Activities Program (OMB Circular A-76)</u>: Not applicable. 		



1. COMPONENT NAVY	FY 19 ⁸⁶ MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1981
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE OF-35 MECHANICS SCHOOL, MCSSS (INCREMENT 3)		5. PROJECT NUMBER P-810
<p style="text-align: center;"><u>FACILITY STUDY</u></p> <p>1. <u>Project.</u> Provide 24,423 SF of applied/academic school area for Motor Transport School, Marine Corps Service Support School, as Increment 3 of a total planned 99,079 SF of training facilities.</p> <p>2. <u>Current and Planned Future Workload with Regard to this Project.</u> The percentage of usage for this facility is 100 percent of the time, and the duration of need is indefinite. It can only be anticipated that the future workload will increase as the new FLS system is introduced into the Marine Corps requiring expanded teaching capabilities and facilities.</p> <p>3. <u>Description of Proposed Construction.</u></p> <p style="padding-left: 20px;">a. <u>Type of Construction.</u></p> <p style="padding-left: 40px;">(1) Construct a permanent instruction facility 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.</p> <p style="padding-left: 40px;">(2) Pollution controls, walks and parking pavements, security fencing and lighting, and site improvements.</p> <p style="padding-left: 20px;">b. <u>Replacement.</u> Existing facilities will be temporarily utilized to satisfy deficiencies until new facilities are constructed.</p> <p style="padding-left: 20px;">c. <u>Description of Work to be Done.</u></p> <p style="padding-left: 40px;">(1) <u>Primary Facility.</u> Modular reinforced concrete/steel/masonry structure on pile foundation.</p> <p style="padding-left: 80px;">(a) <u>Support Facilities.</u> Flexible pavements, sidewalks, security fencing and lighting, utilities, and site improvement.</p> <p style="padding-left: 40px;">(2) <u>Energy Conservation.</u> Energy-efficient equipment and building orientation for maximum energy conservation will be utilized.</p> <p style="padding-left: 40px;">(3) <u>Collateral Equipment.</u> The collateral equipment list will be submitted under separate cover.</p> <p style="padding-left: 40px;">(4) <u>Supporting Facilities.</u> Special piling, foundation, collateral equipment, site improvements, and pollution abatement. Existing facilities will be utilized during period of dual instruction as new FLS system is introduced to the Motor Transport organization.</p>		



1. COMPONENT NAVY	FY 19 86 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1981									
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542											
4. PROJECT TITLE OF-35 MECHANICS SCHOOL, MCSSS (INCREMENT 3)	5. PROJECT NUMBER P-810										
4. <u>Cost Estimate.</u> Area cost factor for Camp Lejeune, NC is 0.95. Cost data derived from the Military Construction Cost Review Guide, FY-82 (DOD 4270.1-CG) to provide for this facility, escalated to FY-83.											
5. <u>Justification for Project and for Scope of Project.</u>											
a. <u>Justification for Project.</u>											
(1) <u>Project.</u> Proposed facilities are required to provide the Motor Transport School with adequate facilities to perform academic and applied instruction.											
(2) <u>Current Situation.</u> Existing school facilities are inadequate WW-II masonry type buildings totally inadequate due to size, configuration, lighting, etc.											
(3) <u>Impact if not Provided:</u> Continued inefficient operation of school facilities that do not meet minimum requirements for applied and instruction facilities.											
b. <u>Justification for Scope of Project.</u> The project scope, 24,423 SF, (Increment 3) is the minimum size facility that can meet the space requirements for the Motor Transport School for initial phase of the FLS system. See paragraph 13.											
6. <u>Equipment Provided from Other Appropriations:</u> Not applicable.											
7. <u>Common Support Facilities.</u> There are no common support facilities available in the MCSSS area.											
8. <u>Effect on Other Resources.</u> The project will require approximately \$17,920 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 inadequate 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.											
<u>UTILITY REQUIREMENTS</u>											
a. <u>Electricity:</u>											
<table style="margin-left: auto; margin-right: auto;"> <tr> <td>Consumption</td> <td style="text-align: right;">71,695</td> <td>KWH/yr</td> </tr> <tr> <td>Peak Demand</td> <td style="text-align: right;">58</td> <td>KW</td> </tr> <tr> <td>Avg. Demand</td> <td style="text-align: right;">41</td> <td>KW</td> </tr> </table>			Consumption	71,695	KWH/yr	Peak Demand	58	KW	Avg. Demand	41	KW
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Peak Demand	58	KW									
Avg. Demand	41	KW									



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

4. PROJECT TITLE OF-35 MECHANICS SCHOOL, MCSSS (INCREMENT 3)	5. PROJECT NUMBER P-810
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- b. Steam:

Consumption	23,066,688 lbs/yr
Demand	<u>3,706</u> lbs/yr
- c. Coal: 405.2 tons/yr
- d. Adequate utility requirements are available.

9. Siting of the Project. The facility is located in the Montford Point area. See enclosure (1).

10. Other Graphic Presentations, including Photographs.

11. Economic Analysis. This facility is being constructed on a developed site in the Montford Point 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.

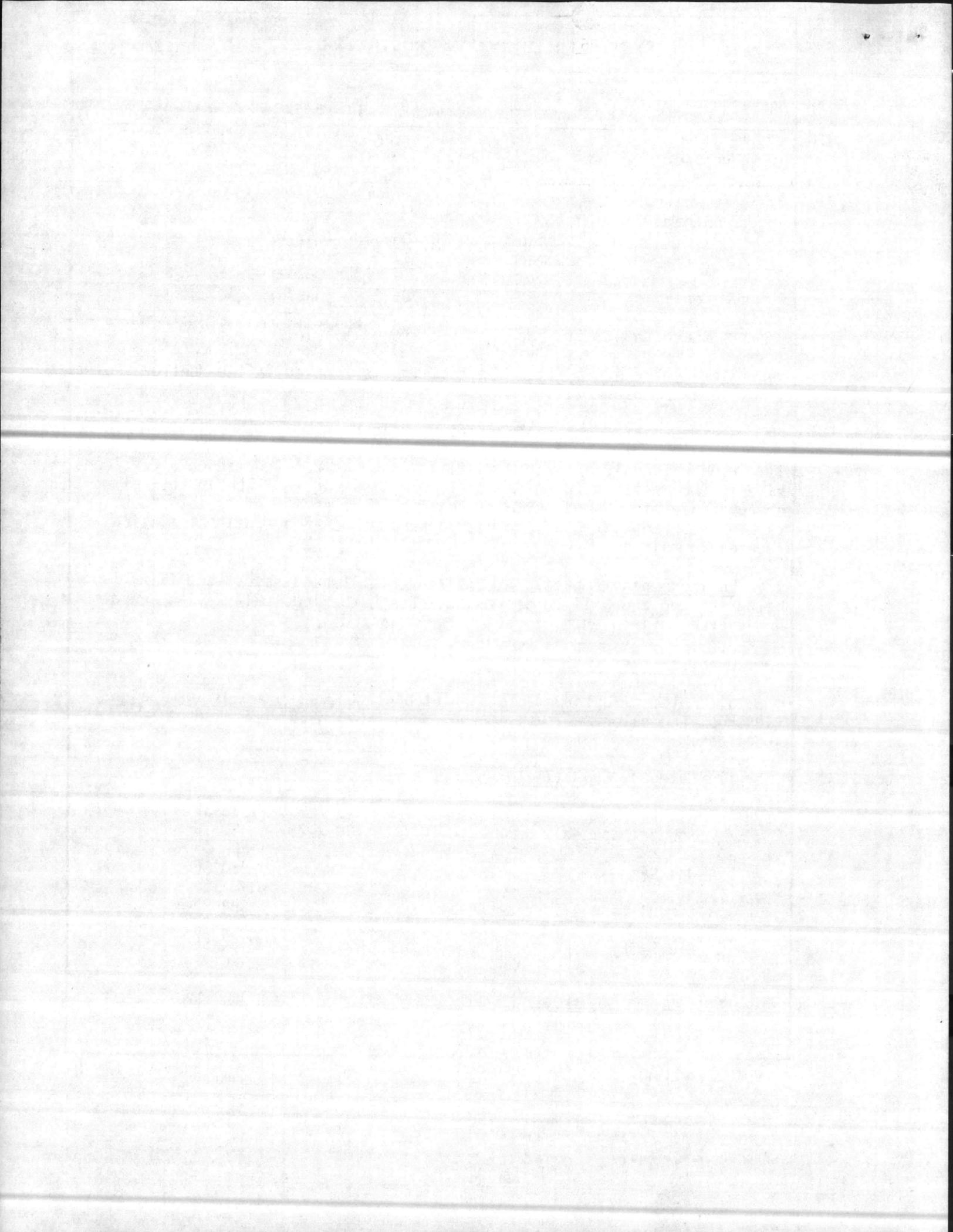
12. Environmental Impact. An Environmental Impact Assessment (EIA) is being written and will be processed through the local EIA Review Board. No adverse environmental impact is anticipated.

13. Quantitative Data.

a. Automotive Intermediate Maintenance Course, Power Transmission Classroom-Laboratory - Truck, cargo, 5 ton, 6x6 M939 - 26 student locations:

(1) Category Code 171-10:

Classroom:	45 x 26 = 1170 SF
Support Space:	30 x 26 = <u>780</u> SF
NET SF:	<u>1950</u> SF
Circulation & Service Areas:	<u>234</u> SF
GROSS SF:	2184 SF



1. COMPONENT NAVY	FY 19 86 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1981
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3. INSTALLATION AND LOCATION
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE OF-35 MECHANICS SCHOOL, MCSSS (INCREMENT 3)	5. PROJECT NUMBER P-810
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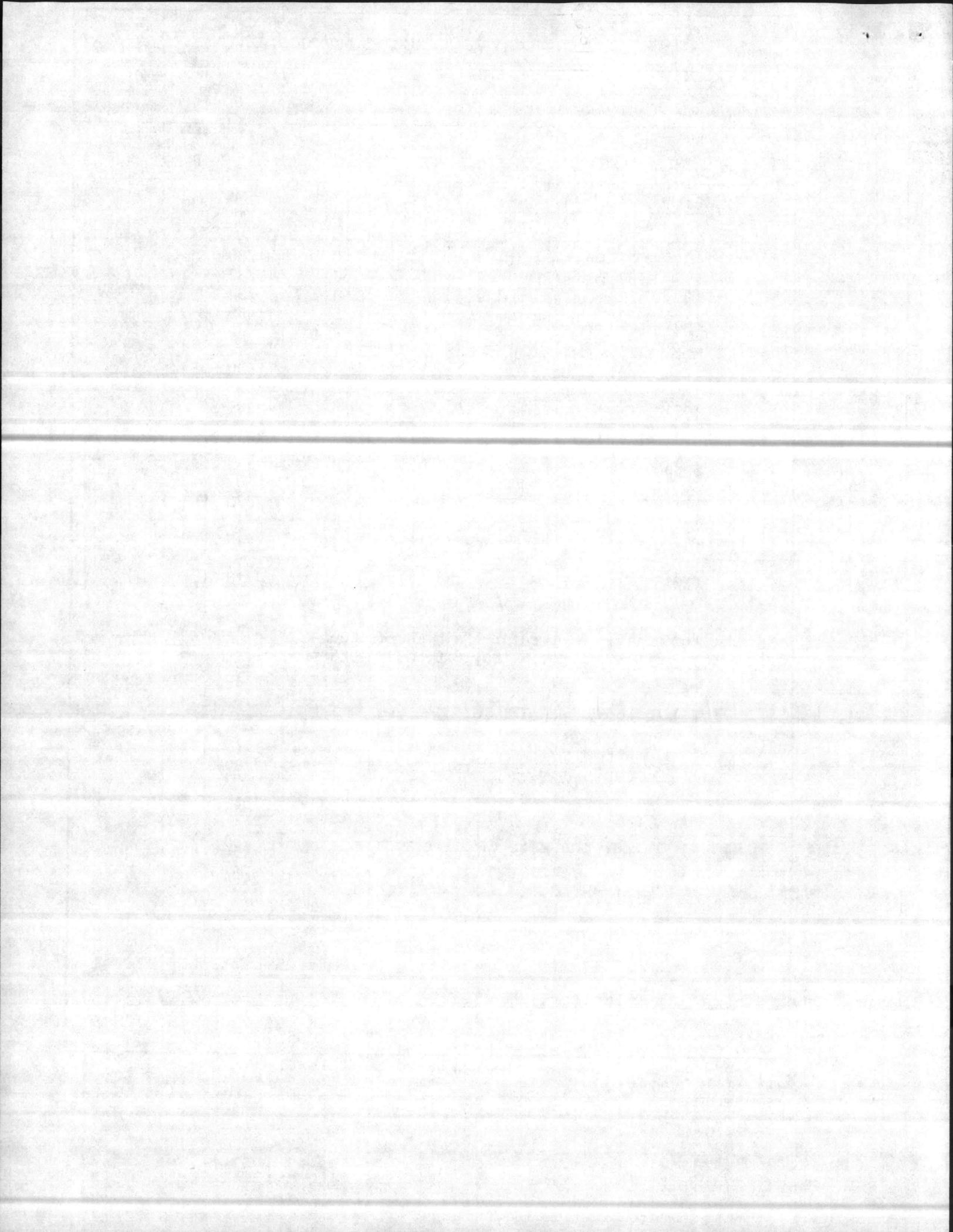
(2) Category Code 171-20:

	SF EA	TOTAL SF
13 - M923 Transmissions	60	780
13 - M923 Transfers	60	780
13 - M923 Axle Assemblies	60	780
13 - M923 Steering Gear Assy	35	455
Material Handling Equipment Maneuvering Space		<u>500</u>
TOTAL SF:		3295 SF
Laboratory:	3295 x 1 =	3295 SF
Support Space:	375 x 1 =	<u>375</u> SF
NET SF:		3670 SF
Circulation & Service Areas (12%)		<u>440</u> SF
GROSS SF:		4110 SF

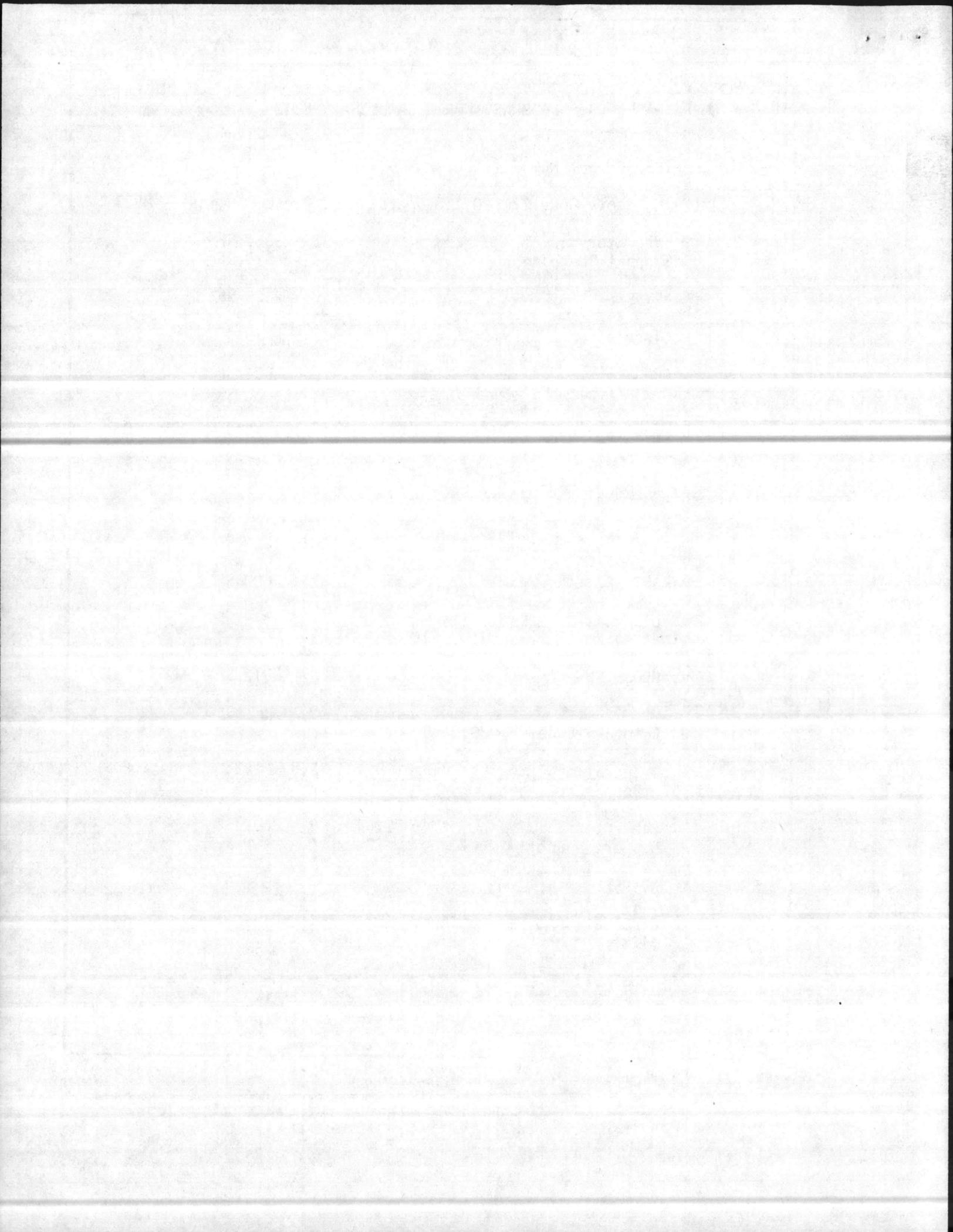
b. Automotive Intermediate Maintenance Course, Engine Classroom-Laboratory - Truck, cargo, 5 ton, 6x6, M939 - 26 student stations:

(1) Category Code 171-10:

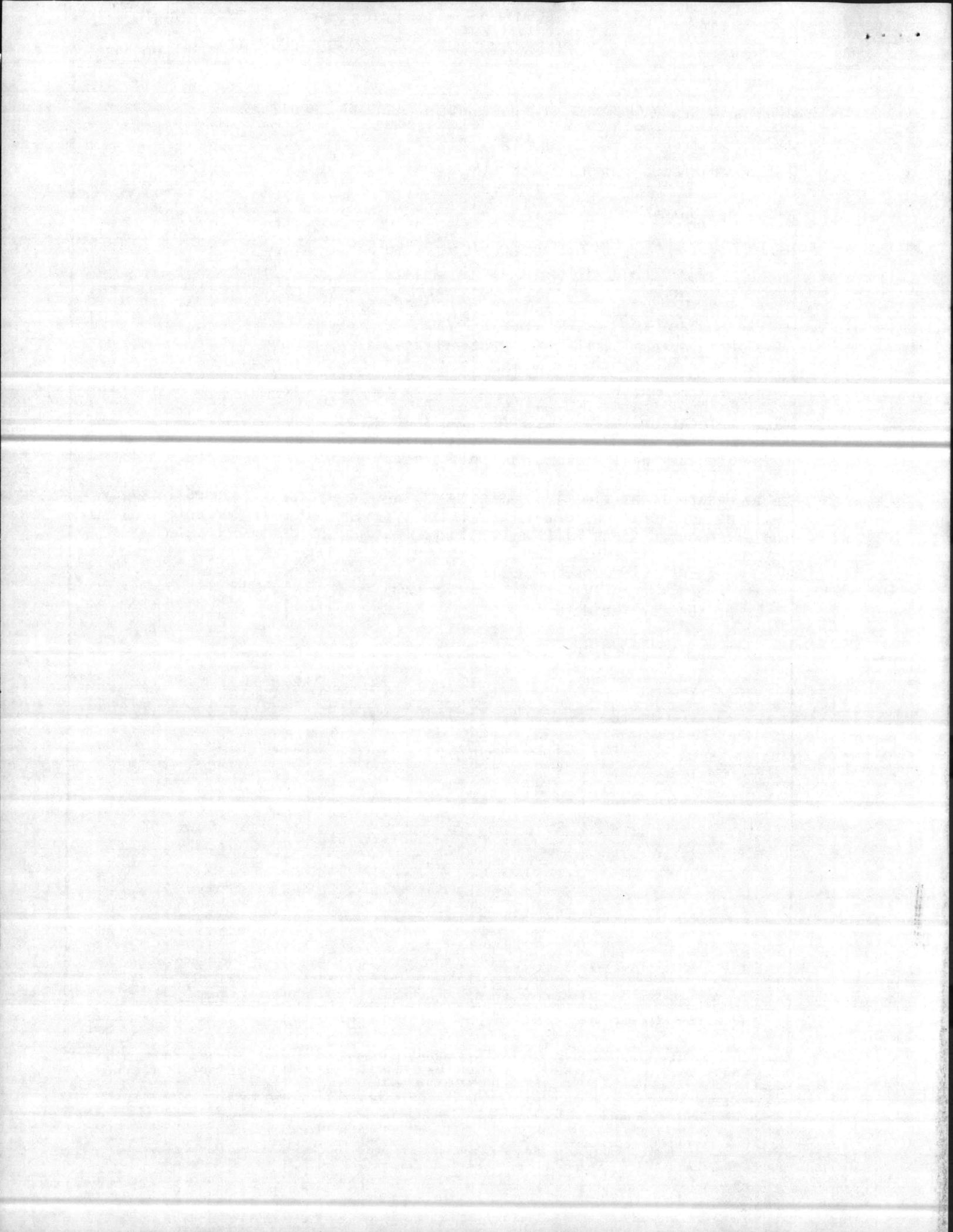
Classroom:	45 x 26 =	1170 SF
Support Space:	30 x 26 =	<u>780</u> SF
NET SF:		1950 SF
Circulation & Service Areas:		<u>234</u> SF
GROSS SF:		2184 SF

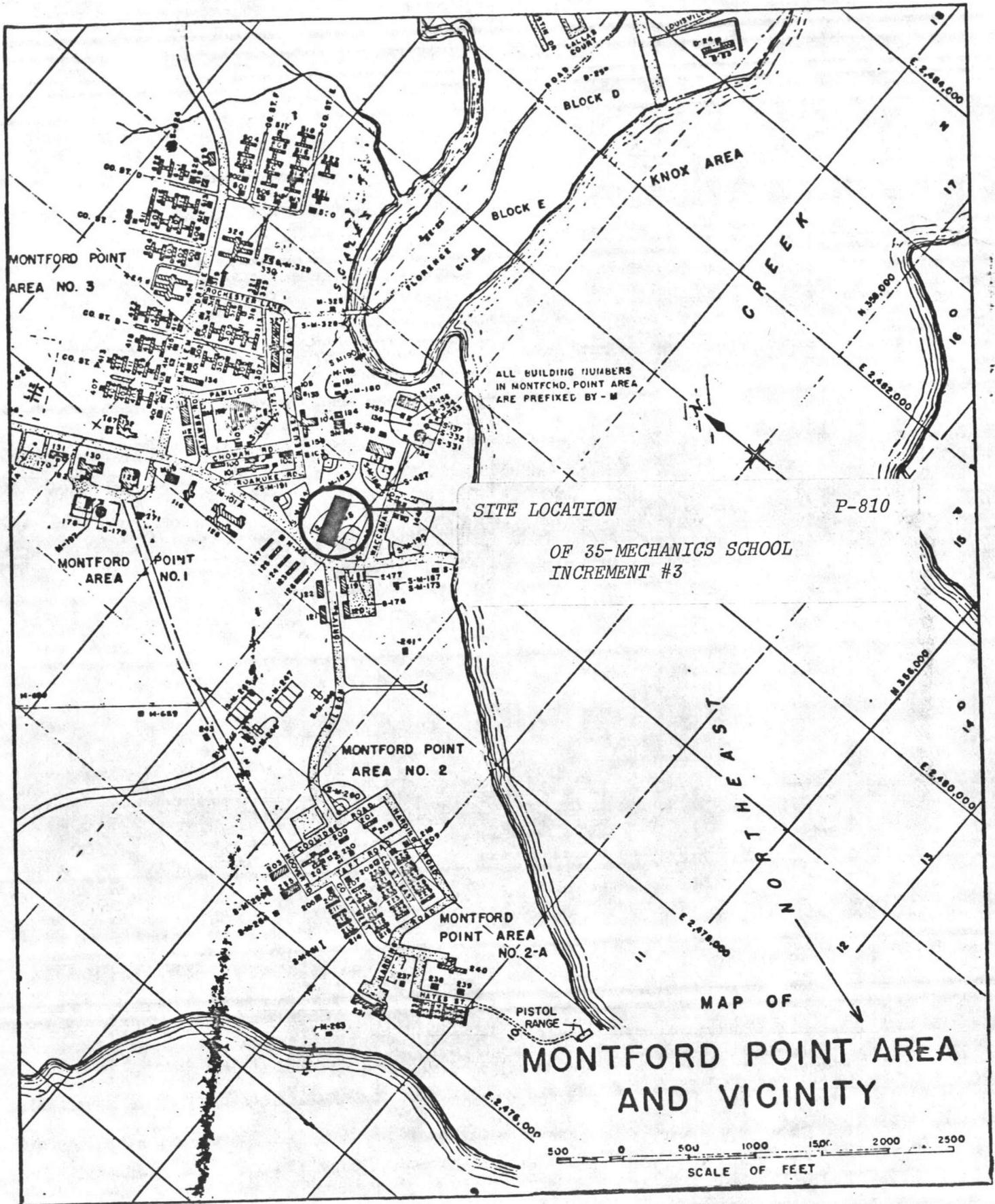


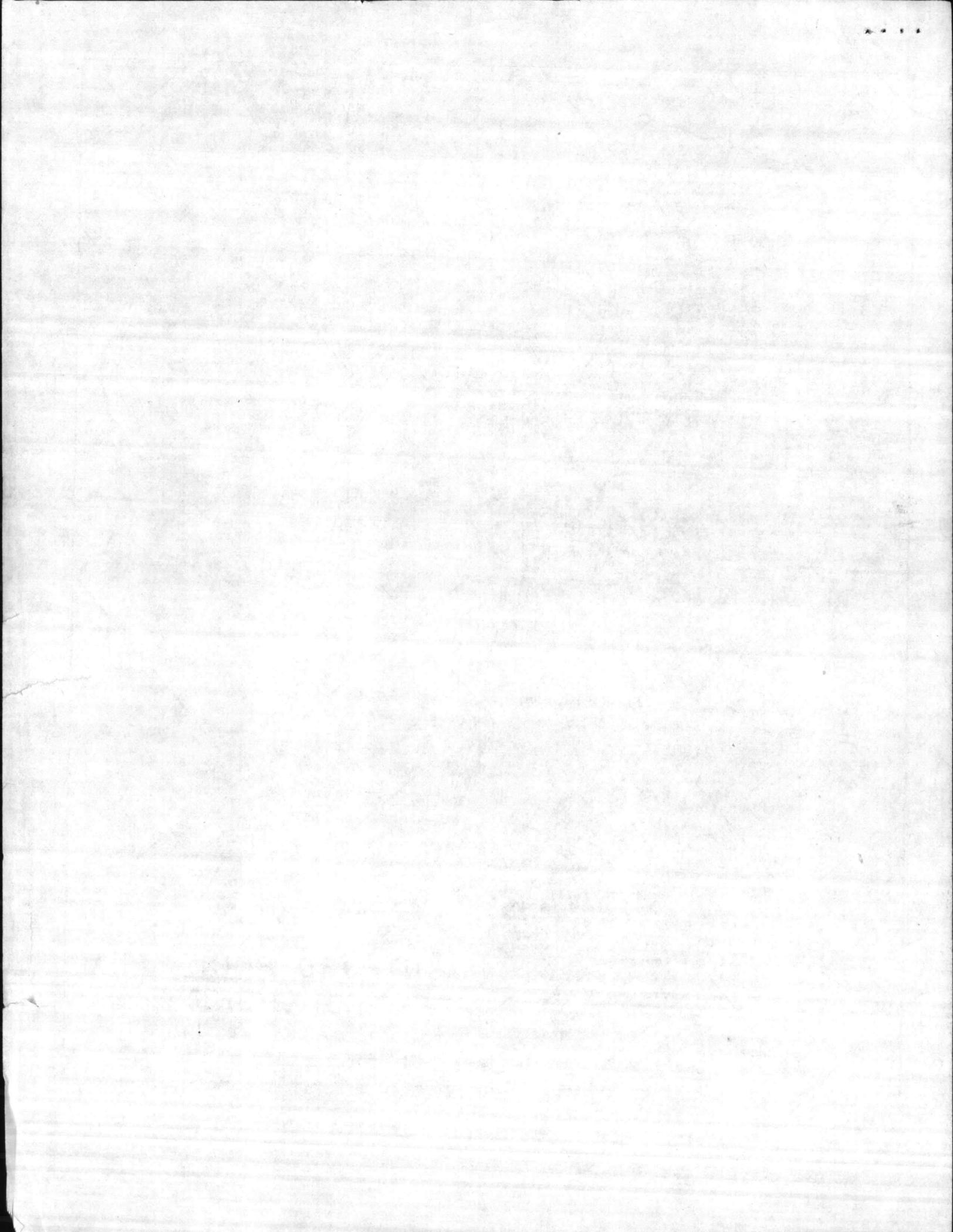
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<p>(2) <u>Category Code 171-20, 13 Operational Diesel Engines - M923</u></p> <p>Laboratory: 150 x 13 = 1950 SF Support Space: 375 x 1 = <u>375</u> SF</p> <p>NET SF: 2325 SF</p> <p>Circulation & Service Areas: <u>279</u> SF</p> <p>GROSS SF: 2604 SF</p> <p>c. <u>Automotive Organizational Maintenance Course, M939 Module, 40 student stations:</u></p> <p>(1) <u>Category Code 171-10:</u></p> <p>Classroom: 20 x 40 = 800 SF Support Space: 2.25 x 800 = <u>1800</u> SF</p> <p>NET SF: 2600 SF</p> <p>Circulation & Service Areas (12%): <u>312</u> SF</p> <p>GROSS SF: 2912 SF</p> <p>(2) <u>Category Code 171-20:</u></p> <p>8 Operational trucks, cargo, 5 ton, 6x6, M923; approx 208 SF each, 1104 SF floor space each:</p> <p>Laboratory: 1104 x 8 = 8832 SF Support Space: 480 x 1 = <u>480</u> SF</p> <p>NET SF: 9312 SF</p> <p>Circulation & Service Area (12%): <u>1117</u> SF</p> <p>GROSS SF: 10,429 SF</p>		



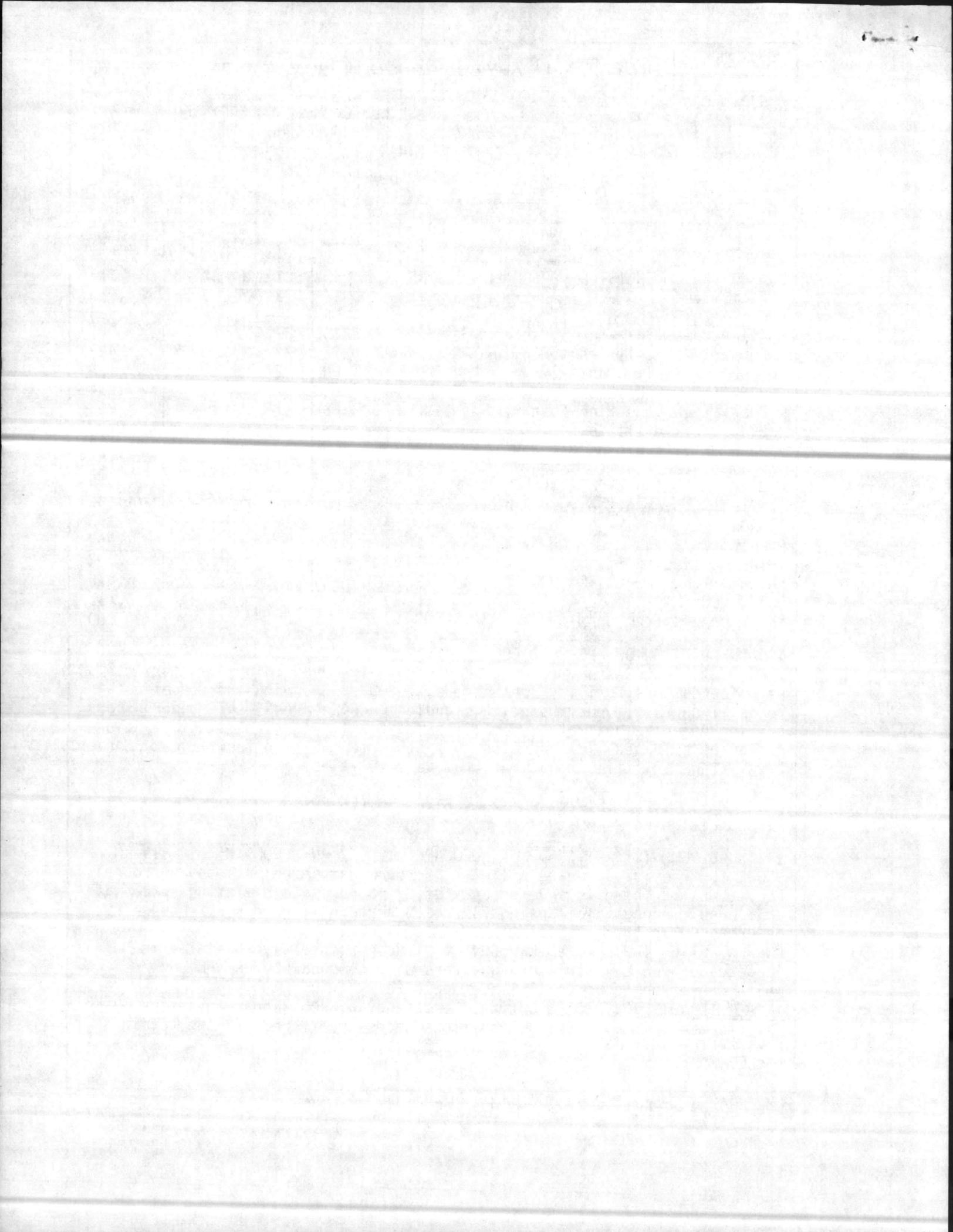
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3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE OF-35 MECHANICS SCHOOL, MCSSS (INCREMENT 3)	5. PROJECT NUMBER P-810	
<p>d. <u>SUMMARY:</u></p> <p style="text-align: center;">TOTAL ACADEMIC: 7,280 SF TOTAL APPLIED: <u>17,143</u> SF GRAND TOTAL: 24,423 SF</p> <p>14. <u>Maintenance Facilities:</u> Not applicable.</p> <p>15. <u>Morale, Welfare, and Recreation Facilities:</u> Not applicable.</p> <p>16. <u>Relocation Facilities:</u> Not applicable.</p> <p>17. <u>Storage Facilities:</u> Not applicable.</p> <p>18. <u>Hazard Identification, Assessment, and Analysis.</u> Proposed facility will be a Motor Transport School facility. The following potential hazardous conditions will be considered during the design phase:</p> <ul style="list-style-type: none"> a. Exhaust fumes. b. Battery acid fumes. c. Gasoline/diesel fumes. 		



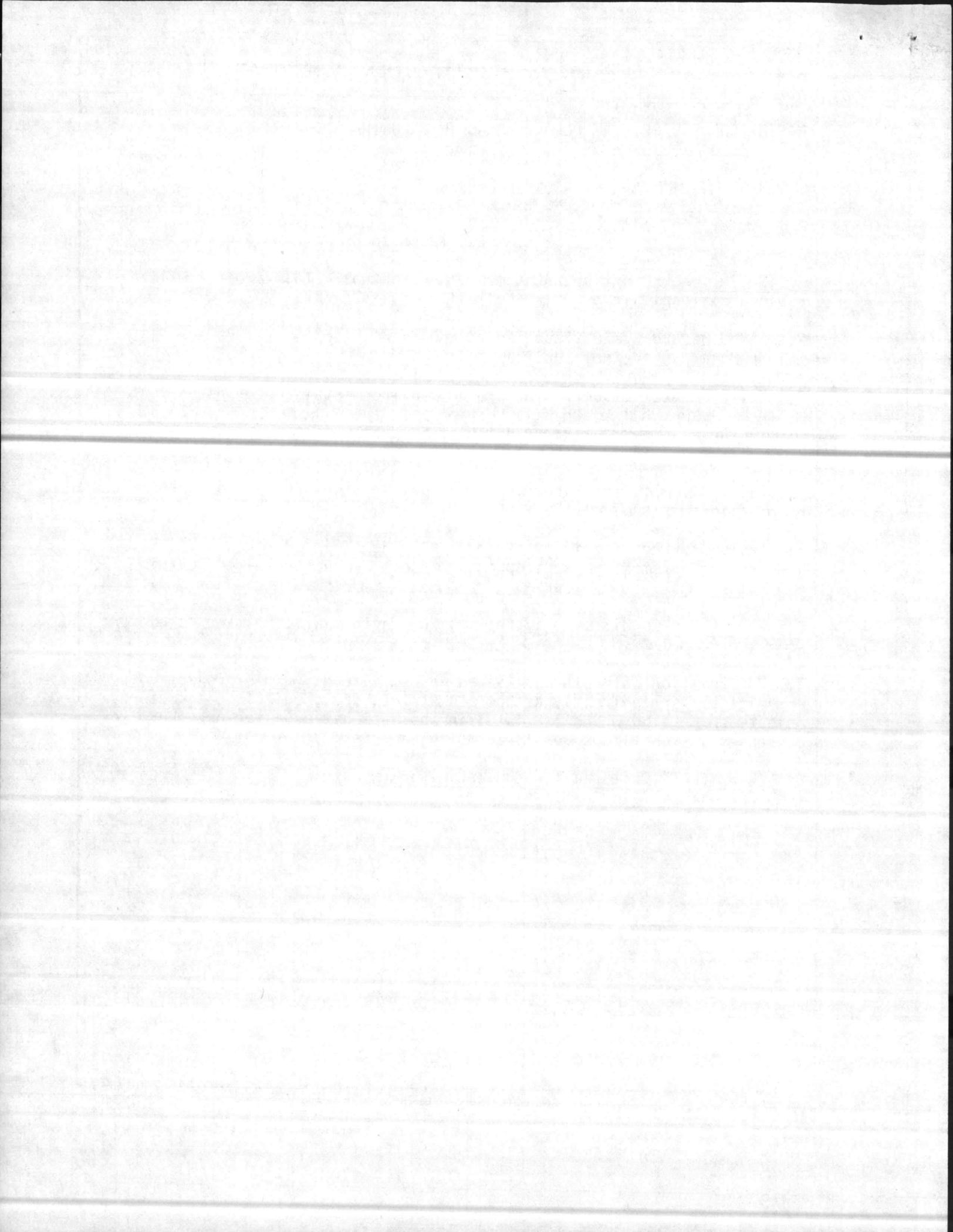




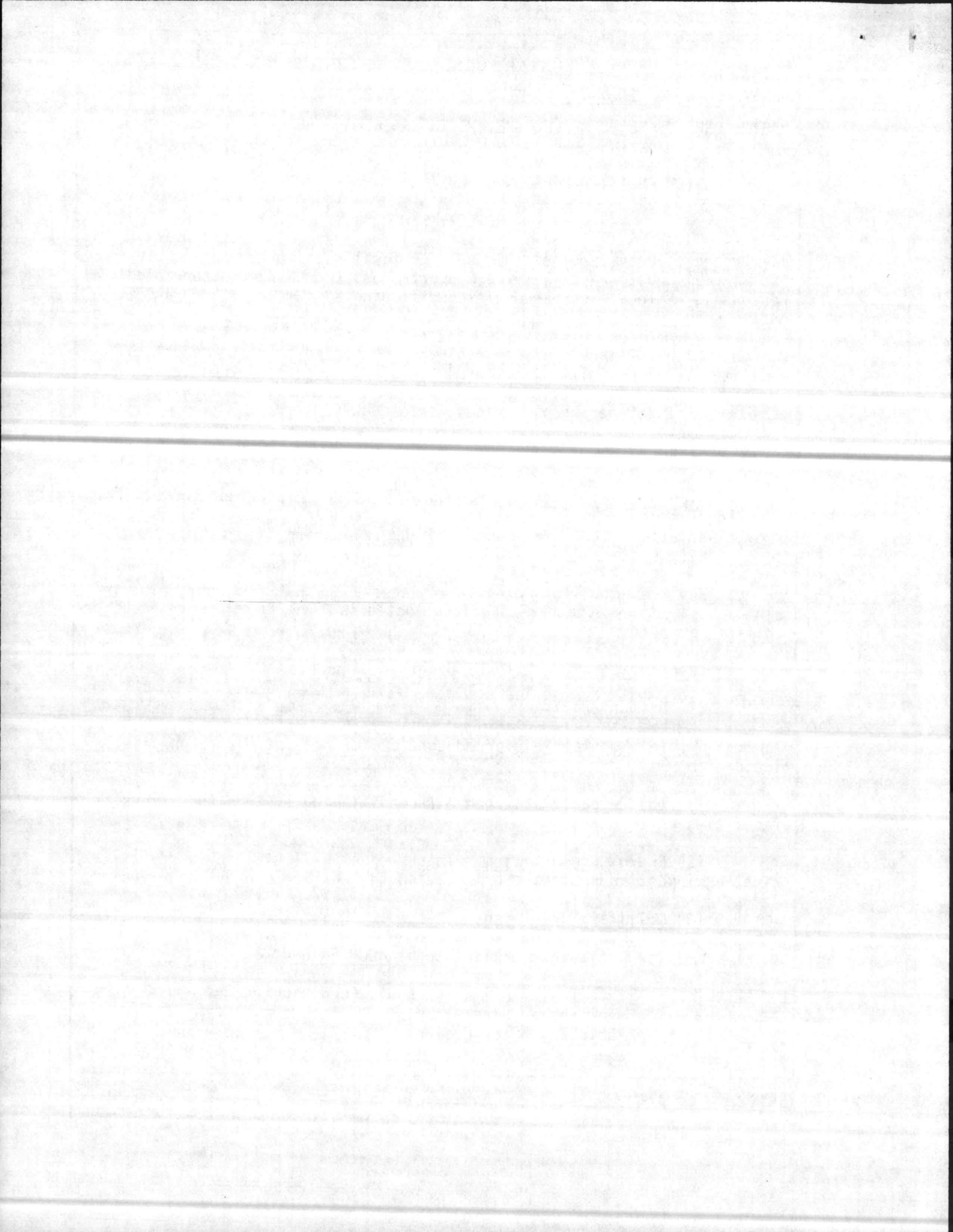
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3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA 28542			4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING		
5. PROGRAM ELEMENT		6. CATEGORY CODE 721-11	7. PROJECT NUMBER P-626	8. PROJECT COST (\$000) \$30,000	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UNACCOMPANIED ENLISTED PERSONNEL HOUSING		SF	501,106	38.66	19,373
Facilities		SF	373,248	37.73	(14,083)
Built-In Equipment		LS	-	-	(1,494)
Solar Domestic Water System		GSF	37,440	80.69	(3,021)
Convert 3 Facilities to Admin Offices		SF	79,911	6.05	(483)
FALLOUT PROTECTION AREA		PN	2,160	50.00	108
SUPPORTING FACILITIES		LS	-	-	7,854
Special Construction Features		LS	-	-	(211)
Electrical Utilities		LS	-	-	(490)
Mech Util, Equip Bldgs, & Solar Hot Water		LS	-	-	(4,429)
Comm & Fire Alarm		LS	-	-	(27)
Roads, Parking, Sidewalks		LS	-	-	(1,418)
Site Improvements & Demolition		LS	-	-	(1,280)
SUBTOTAL					27,335
CONTINGENCY - 5%					1,367
TOTAL CONTRACT COST					28,702
SUPERVISION, INSPECTION, & OVERHEAD - 5.5%					1,579
TOTAL REQUEST					30,281
TOTAL REQUEST (ROUNDED)					30,000
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Construct eight 3-story reinforced concrete frame buildings, masonry walls, pile foundations, utility connections, 768 bedrooms with individual bathrooms, lounges, laundry, storage, vending machine areas, solar energy for heating domestic hot water, demolition of 6 buildings, roads, etc. Relocation of salvaged air-conditioning systems to existing facilities. Convert 3 existing facilities to administrative facilities.					
Grade Mix: 1,992 (E1-E4) 128 (E5) 40 (E6-E9)					
Air Conditioning: 400 tons					
11. REQUIREMENTS: 21,673 PN ADEQUATE: 12,957 PN SUBSTD: 14,119 PN					
PROJECT: Provide adequate billeting for unaccompanied enlisted personnel.					
REQUIREMENT: There is a deficiency of 8,716 adequate billeting spaces at this Base. Adequate billeting for 2,160 personnel, grades E1 through E9, is proposed in this project.					
CURRENT SITUATION: More than 60% of these personnel are billeted in inadequate open-bay dormitory quarters with communal heads and showers which cannot be economically made adequate.					
IMPACT IF NOT PROVIDED: Continued occupancy of substandard quarters which fail to meet minimum living conditions necessary to recruit and retain Marines for an "all volunteer" environment.					
VM					



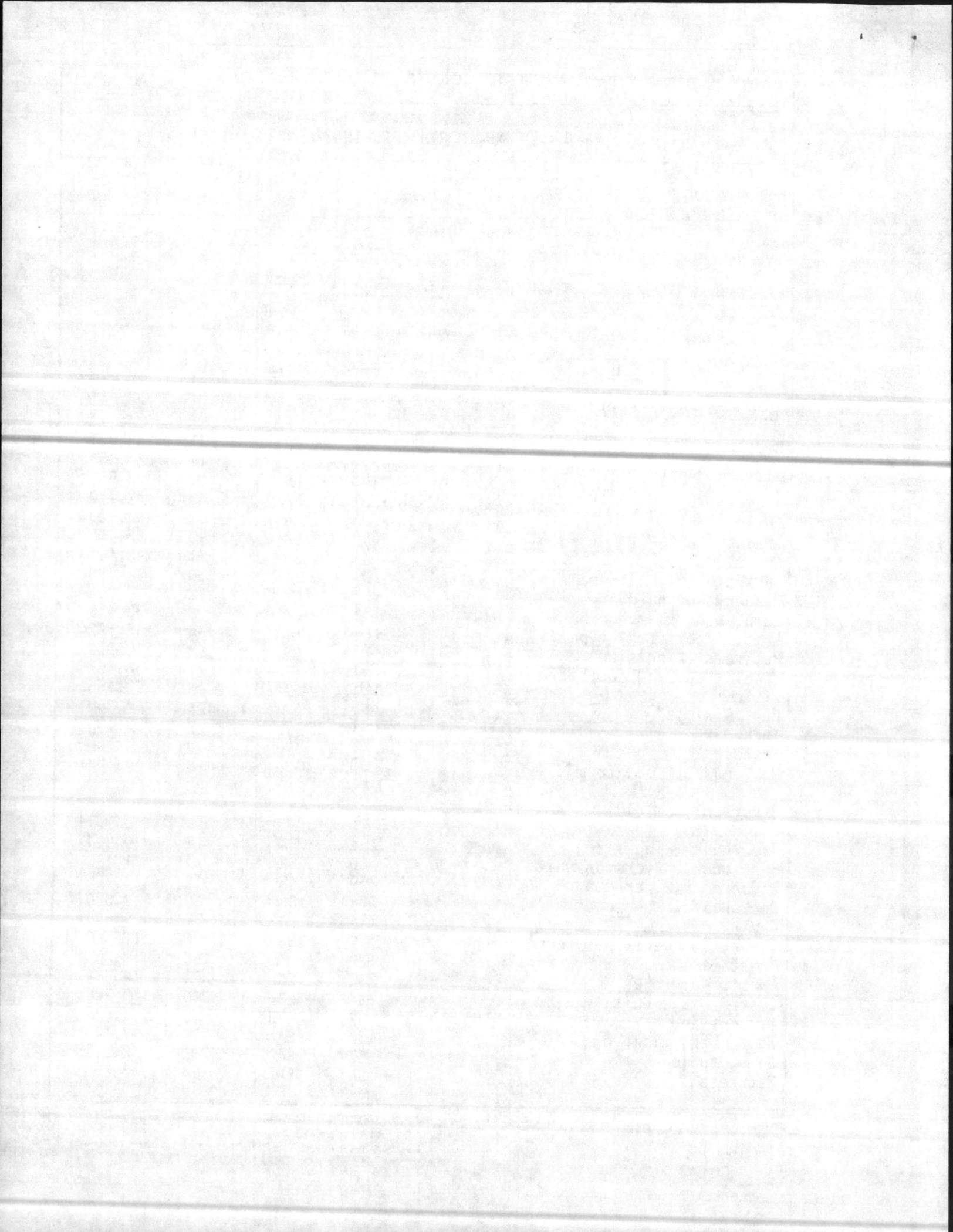
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3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER P-626
<p style="text-align: center;"><u>SPECIAL CONSIDERATIONS</u></p> <ol style="list-style-type: none"> 1. <u>Pollution Prevention, Abatement, and Control</u>: This project will not cause additional air or water pollution. 2. <u>Flood Hazard Evaluation</u>: Requirements of Executive Order No. 11296 (Flood Hazards) are not applicable. 3. <u>Environmental Impact</u>: The project Environmental Impact Assessment (EIA) is being written and will be processed through the local EIA Review Board. No adverse environmental impact is anticipated. 4. <u>Fallout Shelter Construction</u>: Fallout shelter protection is not incorporated in this project. 5. <u>Design for Accessibility of Physically Handicapped Personnel</u>: Provisions for physically handicapped personnel are not required in this project. 6. <u>Use of Air Conditioning</u>: Ceiling "U" factors will be made to conform WITH DOD 4270.1-M. 7. <u>Preservation of Historical Sites and Structures</u>: 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. <u>"New Start" Criteria for Commercial or Industrial Activities Program (OMB Circular A-76)</u>: Not applicable. 		



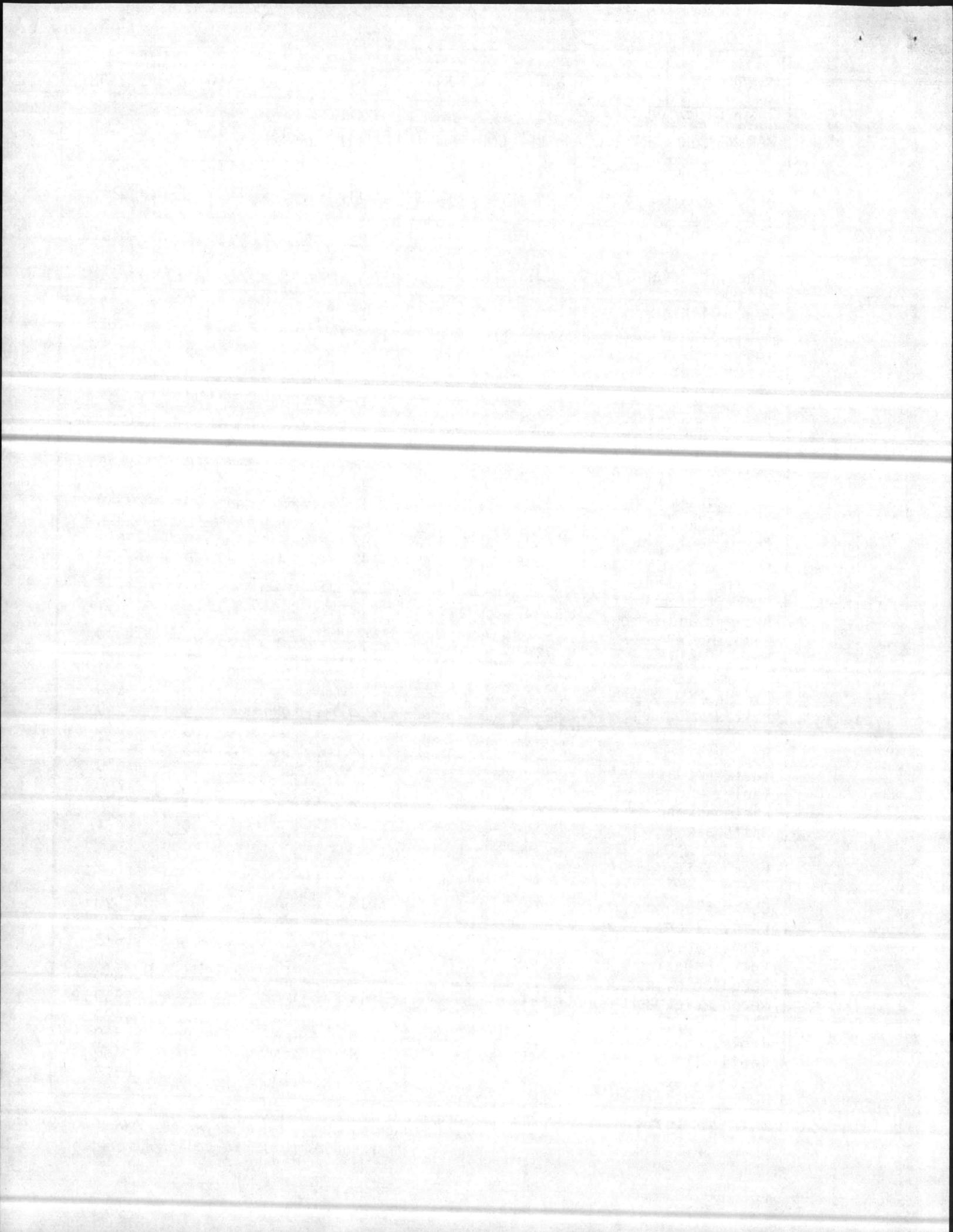
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4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING	5. PROJECT NUMBER P-626	
<p style="text-align: center;"><u>FACILITY STUDY</u></p> <p>1. <u>Project.</u> Provide eight (8) new UEPH facilities for 2d Marine Division (2d MARDIV) and 2d Force Service Support Group (2d FSSG) unaccompanied personnel. Relocate salvaged air-conditioning systems to other facilities on the Base.</p> <p>2. <u>Current and Planned Future Workload with Regard to this Project.</u> The facilities will be fully utilized 24 hours daily, seven days a week. The duration of need is indefinite. The eight (8) UEPH facilities will accommodate 2,160 personnel, grades E1 through E9.</p> <p>3. <u>Description of Proposed Construction.</u></p> <p>a. <u>Type of Construction.</u> Permanent 3-story reinforced concrete frame buildings, masonry walls, pile foundations, concrete floors, built-up roof, insulation, utilities connected and relocation of existing air-conditioning systems.</p> <p>b. <u>Replacement.</u> This project replaces BEQs 502, 503, 507, 510, and 514 open squad bay type barracks constructed in 1943, with modern bachelor enlisted quarters.</p> <p>c. <u>Description of Work to be Done.</u></p> <p>(1) <u>Primary Facility.</u></p> <p>(a) Modular reinforced concrete/masonry structure on pile foundation.</p> <p>(b) Relocate salvaged air-conditioning systems to various facilities on the Base.</p> <p>(2) <u>Energy Conservation.</u> This project will utilize energy efficient equipment and building orientation for maximum energy conservation.</p> <p>(3) <u>Collateral Equipment.</u></p> <p>(a) <u>Built-in Equipment to be MCON Funded.</u></p> <p>*Heating, Ventilating & Air Conditioning Systems *Telephone, Fire Alarm, TV, & Intercom Systems *Drinking Water Coolers</p>		



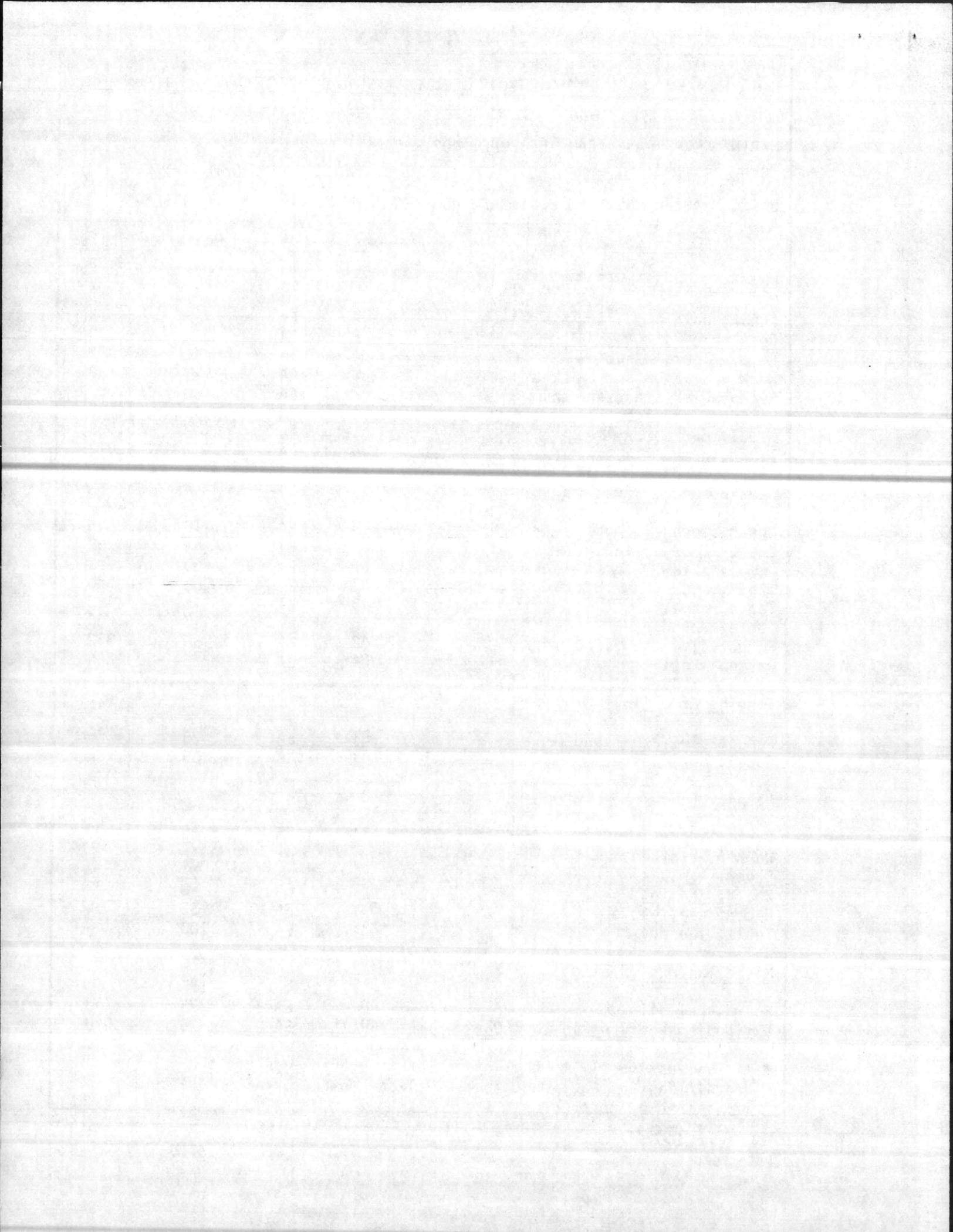
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<p>*Venetian Blinds, Window Screens, & Shower Curtains. *Wardrobes</p> <p>*Equipment with associated installation cost.</p> <p>(b) <u>Personnel Support Equipment</u></p>																																																																																																																																																																															
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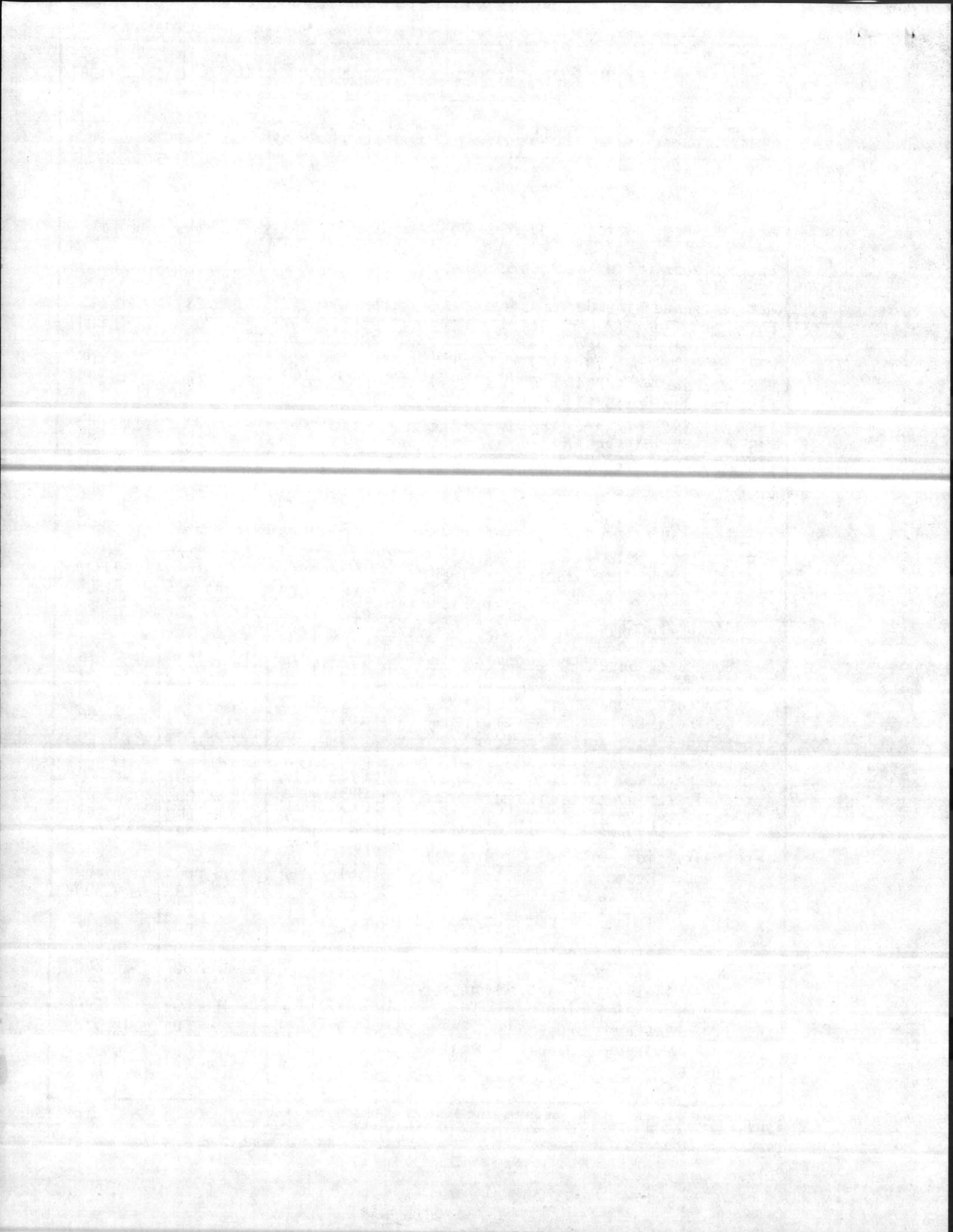
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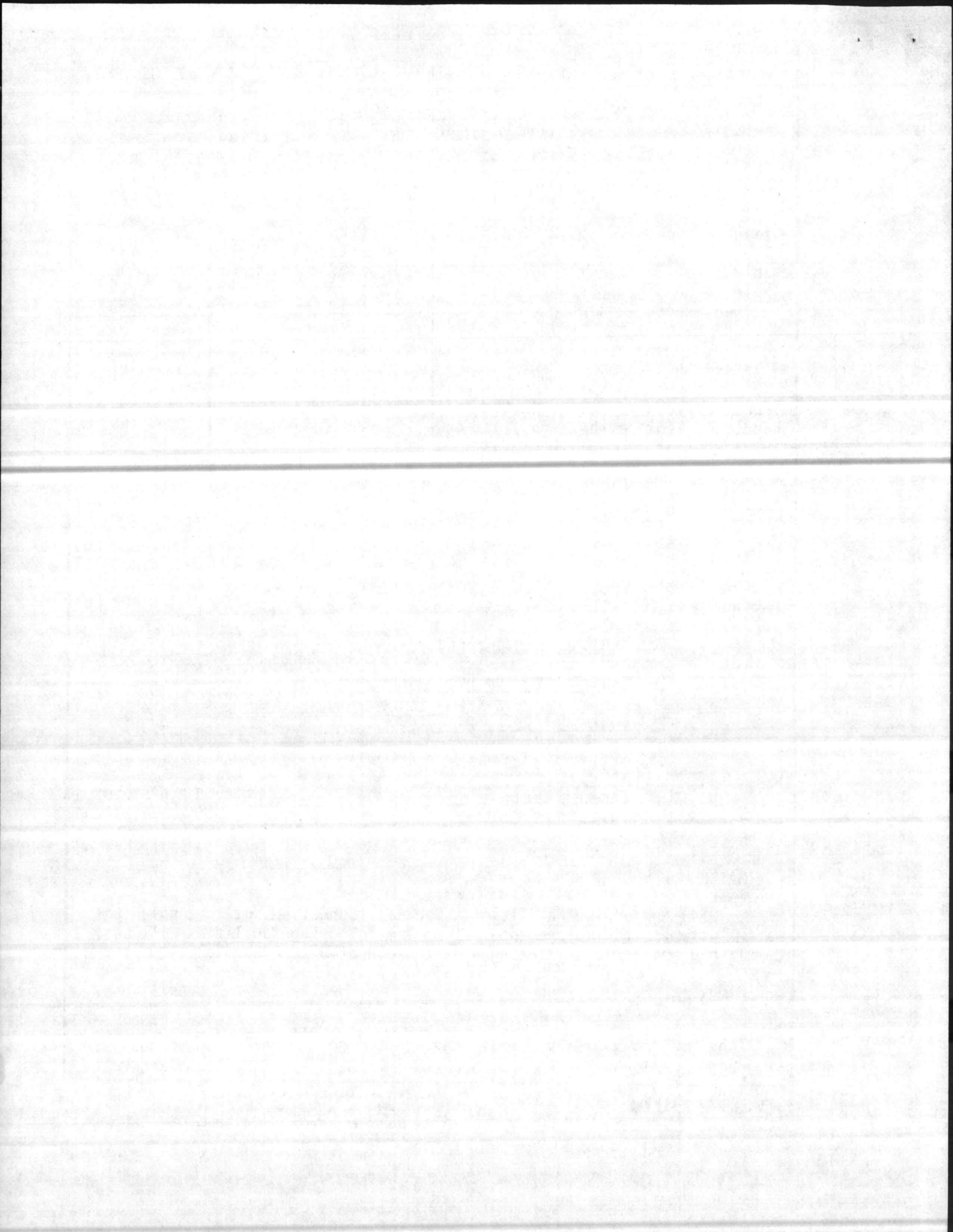
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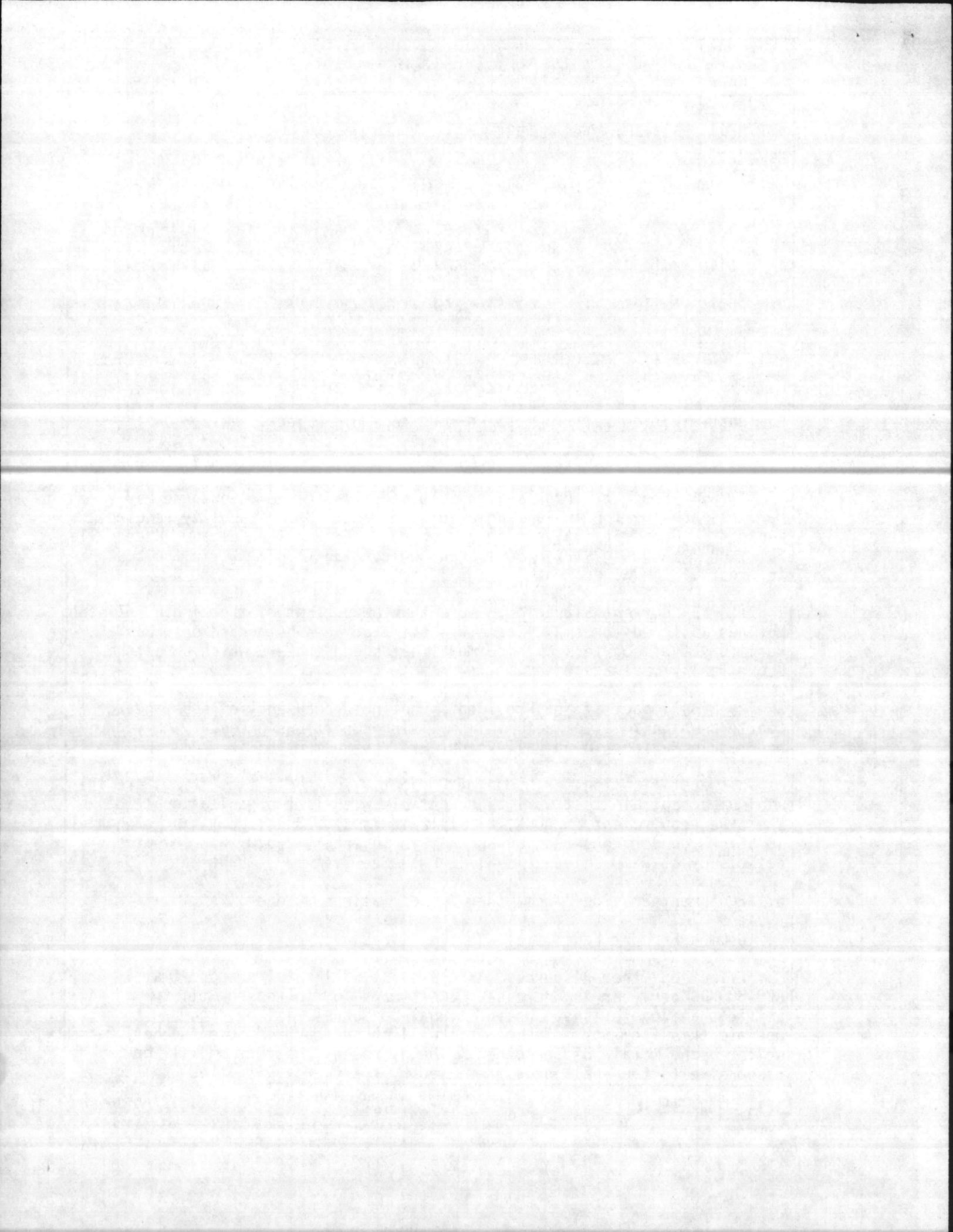
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MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542				
4. PROJECT TITLE			5. PROJECT NUMBER	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING (UEPH)			P-626	
Description	Qty	Units	Unit\$	Total\$
Extinguisher, fire, water pressure, 2½ gal. (6 per floor)	51	EA	23	1,173
Mat, entrance, inside	899	EA	23	20,677
Polisher, floor (2 per floor)	48	EA	200	9,600
Vacuum cleaner (2 per floor)	48	EA	150	7,200
Mirror, wall mounted	48	EA	50	2,400
Picture, series #4204	10	EA	44	440
Picture, series #5527	10	EA	33	330
Picture, series #5492	19	EA	45	855
Picture, series #5651	10	EA	58	580
Picture, series #1109-1	10	EA	68	680
Picture, series #3665	42	EA	60	2,520
Picture, series #5617	10	EA	70	700
Picture, series #5653	19	EA	50	950
Picture, series #5654	10	EA	50	500
Picture, series #5472	35	EA	30	1,050
Planter, stone base w/soil container	75	EA	123	9,225
Divider, privacy screen	75	EA	100	7,500
<u>Office Furniture (5)+(3 conversions)</u>				
Bookcase, base	273	EA	12.00	3,276
Bookcase, section, w/o doors	822	EA	26.00	21,372
Bookcase, top	273	EA	10.00	2,730
Cabinet, filing, 5 drawer, legal size	101	EA	190.00	19,190
Cabinet, storage, dbl. door	73	EA	125.00	9,125
Cabinet, key, metal, wall mtd., 96 keys	18	EA	40.00	720
Chair rotary tilting seat & back	385	EA	85.00	32,725
Chair, secretarial	14	EA	85.00	1,190
Chair, secretarial, rotary	139	EA	72.00	10,008
Chair, side, w/arms, tubular stl legs, chrome	151	EA	50.00	7,550
Lounge, office w/arms	20	EA	225.00	4,500
Costumer, wearing apparel, 4 dbl. hooks	45	EA	32.00	1,440
Desk, flat top, dbl. ped.	393	EA	206.00	80,958
Desk, flat top	124	EA	145.00	15,500
Desk, flat top, w/attachment for secretarial & clerical	14	EA	160.00	2,240
Draperies and hardware	129	EA	97.00	12,513
Rack, wearing apparel, 6 metal hangers	38	EA	36.00	1,368



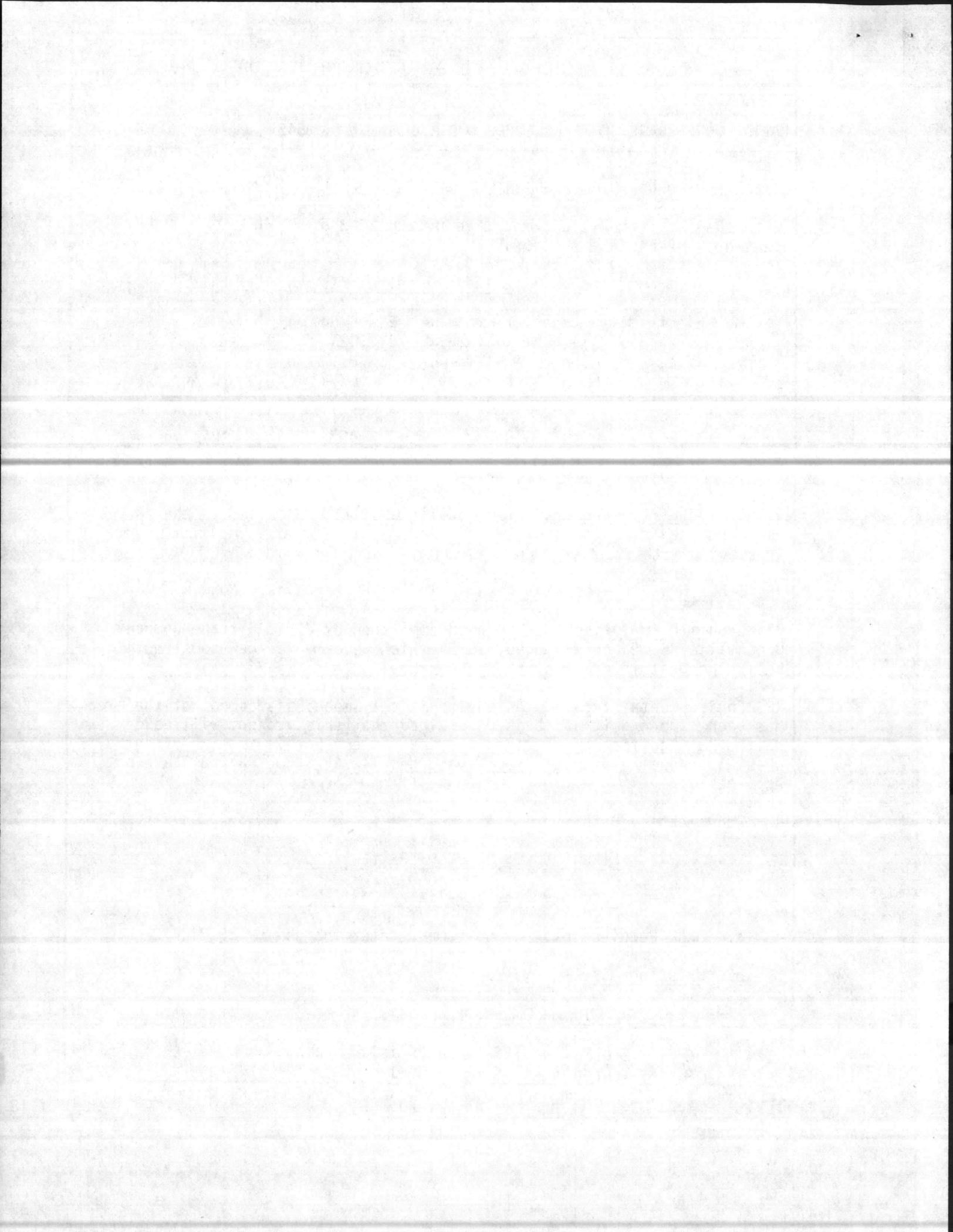
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4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING (UEPH)					5. PROJECT NUMBER P-626	
Stand, office machine, 2 drop						
leaves	46	EA	75.00	3,450		
Wastebasket	82	EA	6.00	492		
Table, general purpose	62	EA	85.00	5,270		
Mat, entrance, vestibule	20	EA	56.00	1,120		
TOTAL EXPENSE ITEMS				\$2,452,451		
Transportation, Crating, Packing, Handling, Storage, and Installation - 10%				245,145		
(c) <u>Investment Items:</u>						
Icemaker dispenser, stainless stl.				8	EA	3,004.00
				\$24,032.00		
TOTAL INVESTMENT ITEMS:				\$24,032.00		
Transportation, Crating, Packing, Handling, Storage, and Installation - 10%				\$ 2,403.00		
(d) <u>APA Equipment:</u> None						
(e) <u>Training Equipment:</u> None						
(f) <u>Equipment on Hand:</u> None						
(g) <u>Summary:</u>						
Expense Cost:				\$ 2,698,999.00		
Investment Cost:				\$ 24,032.00		
GRAND TOTAL:				\$ 2,723,031.00		
ESTIMATED BOD JULY 1988						
(4) <u>Supporting Facilities.</u> Special foundation, piling, solar hot water system, site improvements, etc. The following facilities will be demolished and air-conditioning systems relocated to other facilities:						
Bldg. No.	Date Constr.	Type	Area (SF)	Use	Condition	
502	1943	P	26,602	BEQ	Substandard	
503	1943	P	26,602	BEQ	Substandard	



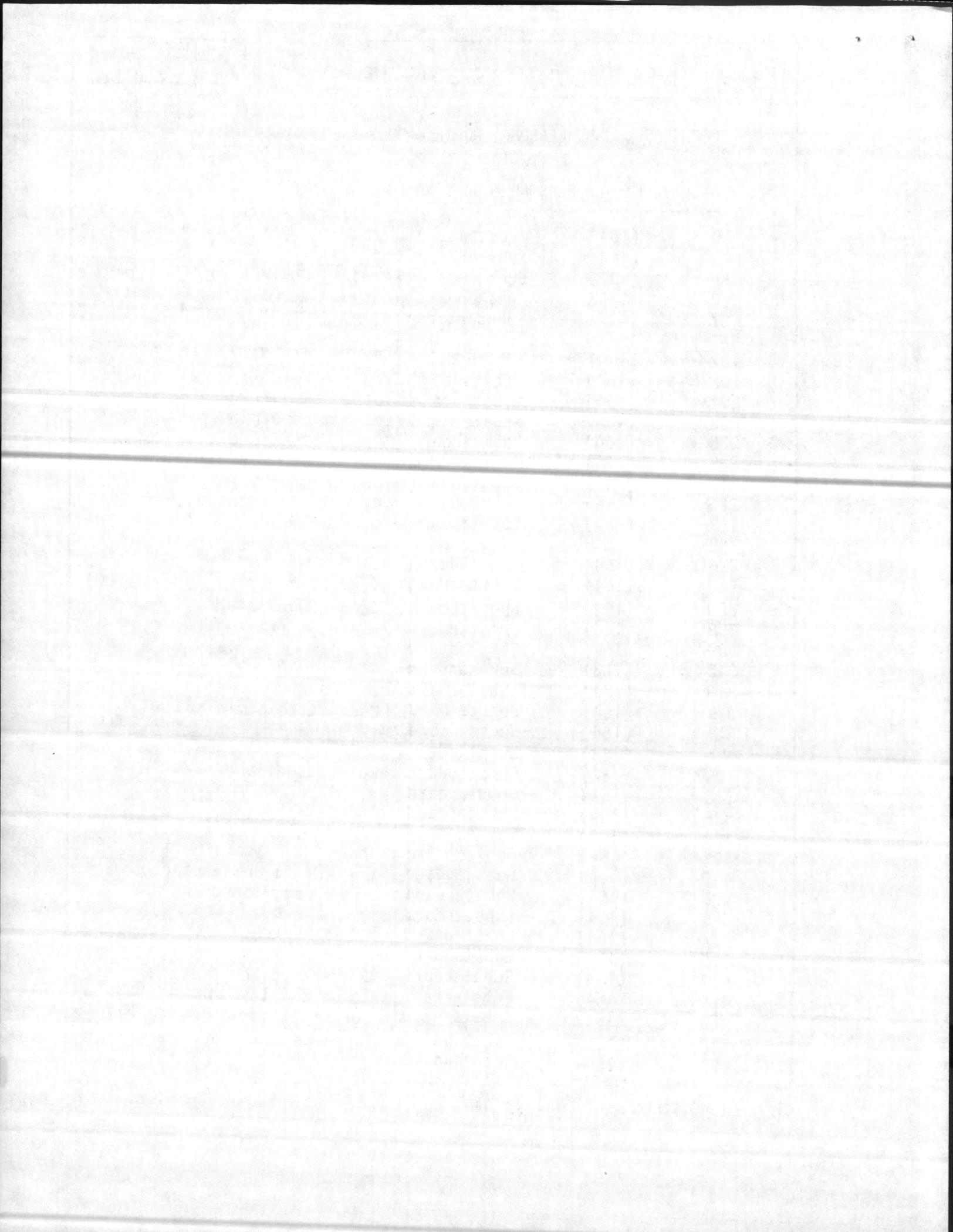
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507	1943	P	26,602	BEQ	Substandard	
510	1943	P	26,602	BEQ	Substandard	
514	1943	P	26,602	BEQ	Substandard	
537	1943	P	3,240	CO HQ/STOR	Substandard	
4. <u>Cost Estimate.</u> Area cost factor for Camp Lejeune, N. C. is 0.95. Cost data derived from the Military Construction Cost Review Guide, FY-82 (DOD 4270.1-CG), and escalated to FY-83 to provide for this proposed facility.						
5. <u>Justification for Project and for Scope of Project.</u>						
a. <u>Justification for Project.</u>						
(1) <u>Project.</u> Proposed facilities will replace open squad bay type barracks constructed in 1942 which do not meet DOD habitability requirements. An economic analysis performed by J. E. Sirrine Company, Greenville, S. C. on 31 August 1972, recommended new construction to be in the best interest of the Government.						
(2) <u>Current Situation.</u> More than 60 percent of the single enlisted Marines assigned to Camp Lejeune are billeted in substandard open bay dormitory type quarters with communal heads and showers which cannot be economically made adequate.						
(3) <u>Impact if Not Provided.</u> Continued occupancy of substandard quarters which fail to meet minimum living conditions necessary to recruit and retain Marines in an "all-volunteer" environment.						
b. <u>Justification for Scope of Project.</u> The facilities' sizes are the minimum acceptable that will be compatible with most organizational TO's. The BFRL requirement for CCN 721-11/12/13 is 21,673 PN. Existing adequate 10,587 PN, under construction and not in inventory 2,370 PN. The present deficiency at Camp Lejeune is 8,716 PN. See Item 13., Quantitative Data.						
6. <u>Equipment Provided from Other Appropriations.</u> None						
7. <u>Common Support Facilities.</u> Not applicable.						
8. <u>Effect on Other Resources.</u> The project will require approximately \$28,800.00 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 health, welfare, and morale of personnel. The proposed construction will be responsive to the challenges presented by the energy situation and comply						



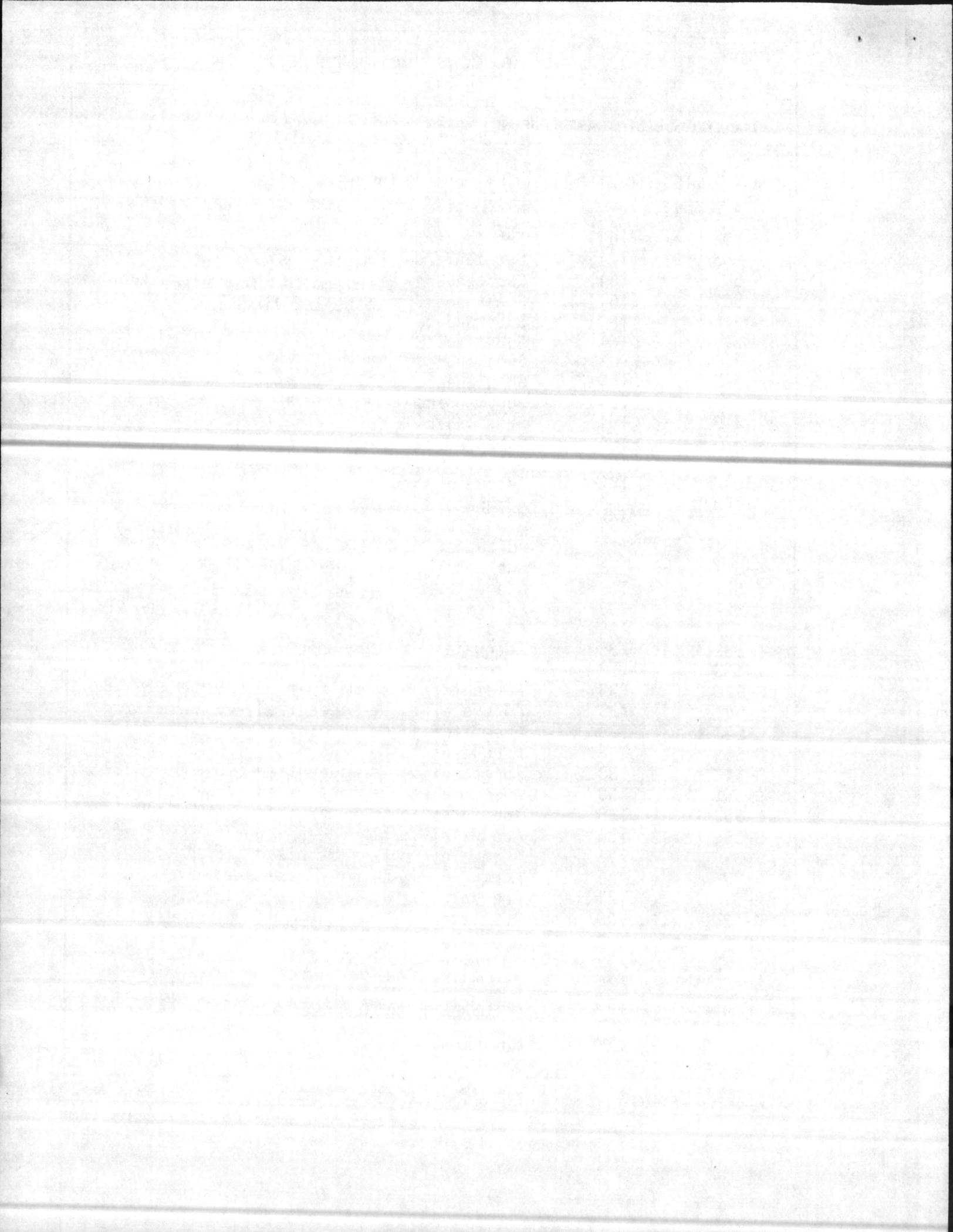
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with the requirements of Executive Order 12003 of 20 July 1977 and implemented by NAVFACINST 4100.5A.					
<u>Utility Requirements</u>					
a. Electricity		Consumption	2,999,840	KWHR/yr	
		Peak Demand	2,424	KW	
		Avg Demand	1,859	KW	
b. Steam		Consumption	36,007,235	lbs/yr	
		Demand	12,681	lbs/hr	
c. Coal			1,493	tons/yr	
d. Adequate utility requirements are available.					
9. <u>Siting of the Project.</u> The facilities will be located in the 2d Division 500 area of the Hadnot Point Area and the 500 area of French Creek, in keeping with the Camp Lejeune Master Plan. See enclosure (1).					
10. <u>Other Graphic Presentations, including Photographs.</u> None.					
11. <u>Economic Analysis.</u> Has been accomplished by J. E. Sirrine Company, Greenville, S. C. on 31 August 1972, which recommended new construction to be in the best interest of the government.					
12. <u>Environmental Impact.</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. Requirements of Executive Order 11296 (Flood Hazards) are not applicable.					
13. <u>Quantitative Data.</u>					
<u>SINGLE ENLISTED QUARTERS (E-1/E-9)</u>					
<u>Category Code 721-11/12/13/21/22/23</u>					
a. <u>BFRL Requirement.</u>		Requirement determined by CMC: 21,673 MN.			
b. <u>Existing Assets</u>					
<u>Bldg. No.</u>	<u>PN</u>	<u>REMARKS</u>			
6.	(164)	Substandard Retain as Transient UEPHs			
8	(164)	Substandard " " " "			

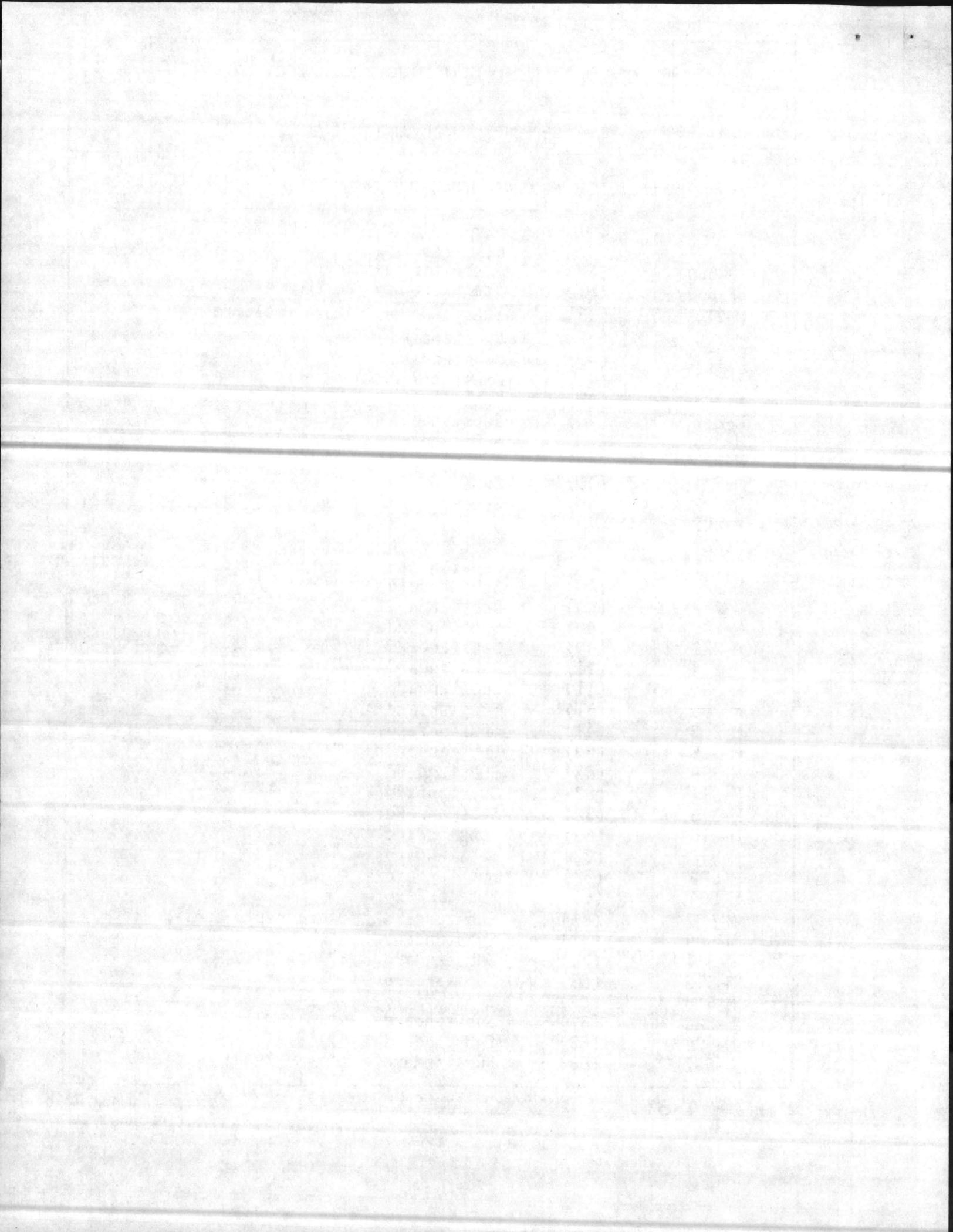


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10	(164)	Substandard	"	"
12	(164)	Substandard	"	"
58	(37)	Substandard	Retain & convert to other use	
60	(140)	Substandard	"	"
67	(37)	Substandard	"	"
102	(164)	Substandard	"	"
202	(164)	Substandard	Retain & convert to other use	
204	(164)	Substandard	To be demolished	
205	(104)	Substandard	Convert to admin space	
208	(164)	Substandard	To be demolished	
209	(164)	Substandard	"	"
212	(164)	Substandard	"	"
213	(164)	Substandard	Convert to admin space	
217	(164)	Substandard	"	"
220	(164)	Substandard	To be demolished	
224	(164)	Substandard	"	"
227	(164)	Substandard	"	"
228	(164)	Substandard	To be demolished	
308	(164)	Substandard	"	"
309	(164)	Substandard	"	"
312	(123)	Substandard	"	"
313	(164)	Substandard	"	"
316	(164)	Substandard	Convert to admin space	
318	(164)	Substandard	"	"
321	(164)	Substandard	"	"
323	(82)	Substandard	To be demolished	
326	(164)	Substandard	"	"
327	(164)	Substandard	"	"
404	(164)	Substandard	"	"
406	(164)	Substandard	"	"
407	(164)	Substandard	Convert to admin space	
409	(164)	Substandard	To be demolished	
410	(164)	Substandard	"	"
412	(164)	Substandard	"	"
415	(164)	Substandard	"	"
417	(164)	Substandard	Convert to admin space	
420	(164)	Substandard	To be demolished	
422	(164)	Substandard	Convert to admin space	
426	(164)	Substandard	To be demolished	
427	(164)	Substandard	"	"

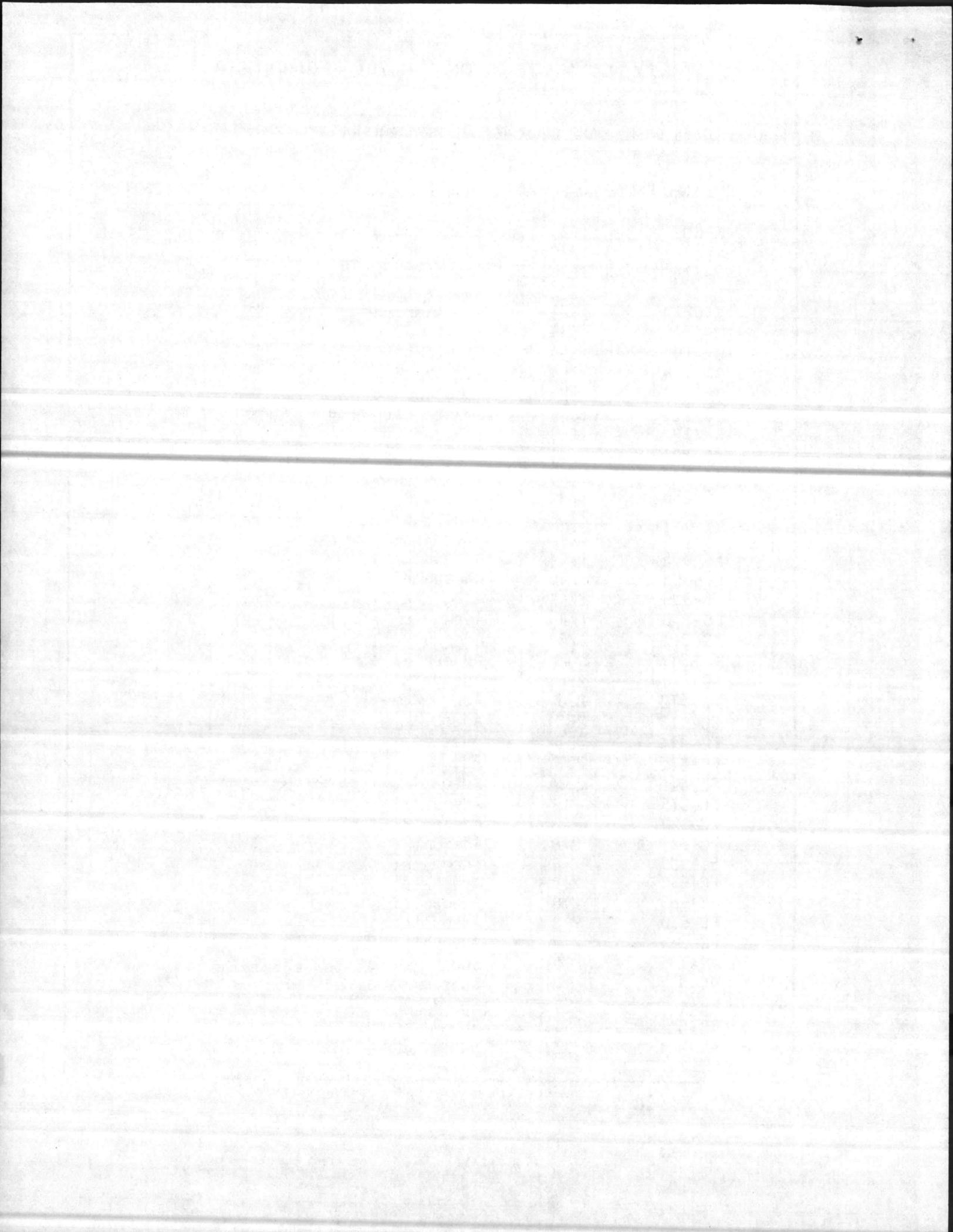


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to be modernized	(75 PN)	P-733	G-522	138	Adequate; to be modernized	(75 PN)	P-733	G-523	138	Adequate; to be modernized	(75 PN)	P-733	G-524	138	Adequate; to be modernized	(75 PN)	P-733	G-531	138	Adequate; to be modernized	(75 PN)	P-733	G-532	138	Adequate; to be modernized	(75 PN)	P-733	G-533	138	Adequate; to be modernized	(75 MN)	P-733	G-534	138	Adequate; to be modernized	(75 MN)	P-733	G-541	138	Adequate; to be modernized	(75 MN)	P-733	G-542	138	Adequate; to be modernized	(75 MN)	P-733	G-543	138	Adequate; to be modernized	(75 MN)	P-733	G-544	138	Adequate; to be modernized	(75 MN)	P-733	G-551	138	Adequate; to be modernized	(75 MN)	P-733	G-552	138	Adequate; to be modernized	(75 MN)	P-733	G-553	138	Adequate; to be modernized	(75 MN)	P-733	G-554	138	Adequate; to be modernized	(75 MN)	P-733	H-30	36	Adequate; future repl considered			H-31	21	Adequate	" " "		H-32	39	Adequate	" " "		HP-51	202	Adequate			HP-53	202	Adequate			HP-55	224	Adequate			HP-57	100	Adequate			HP-165	270	Adequate			HP-175	270	Adequate			HP-185	270	Adequate		
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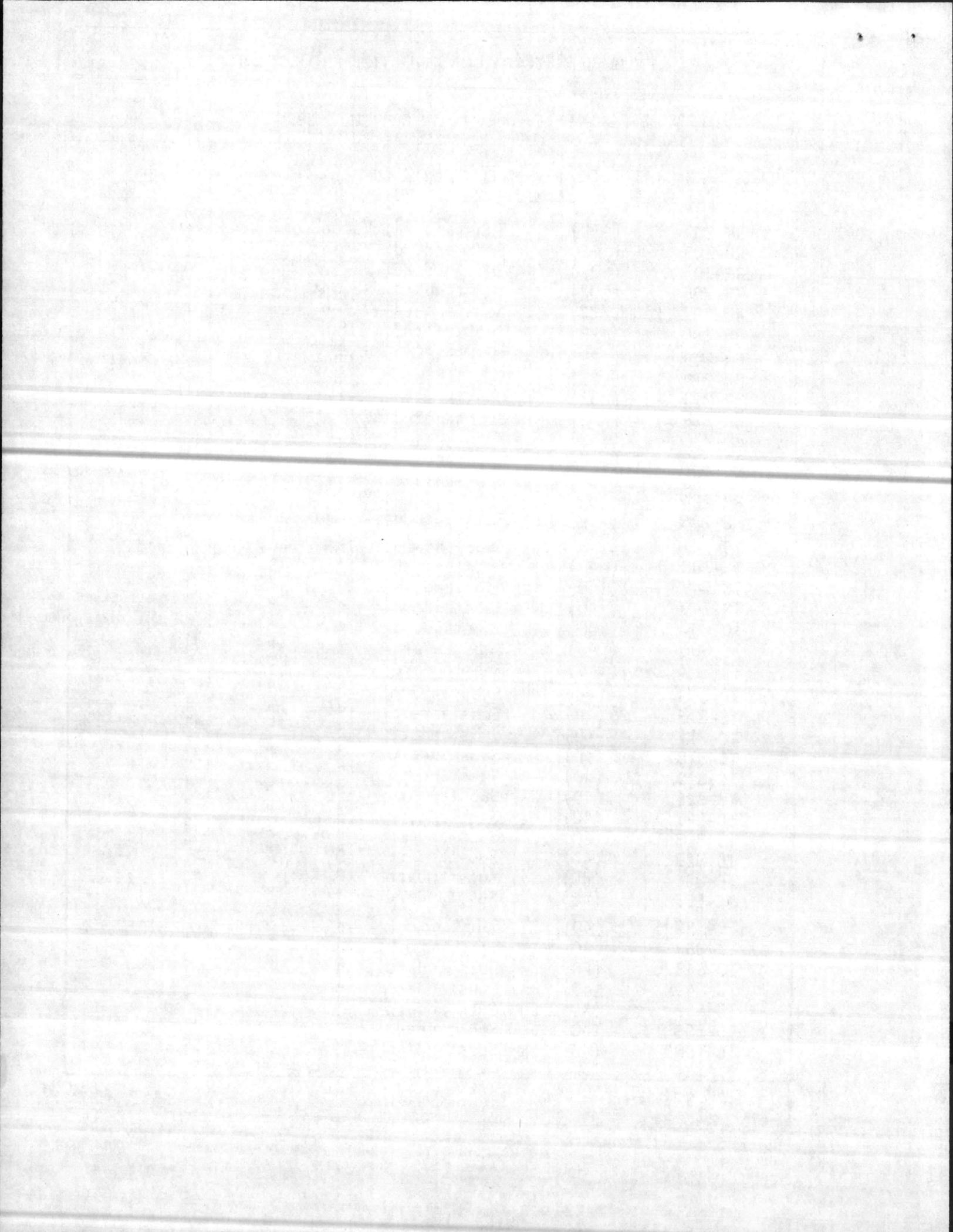




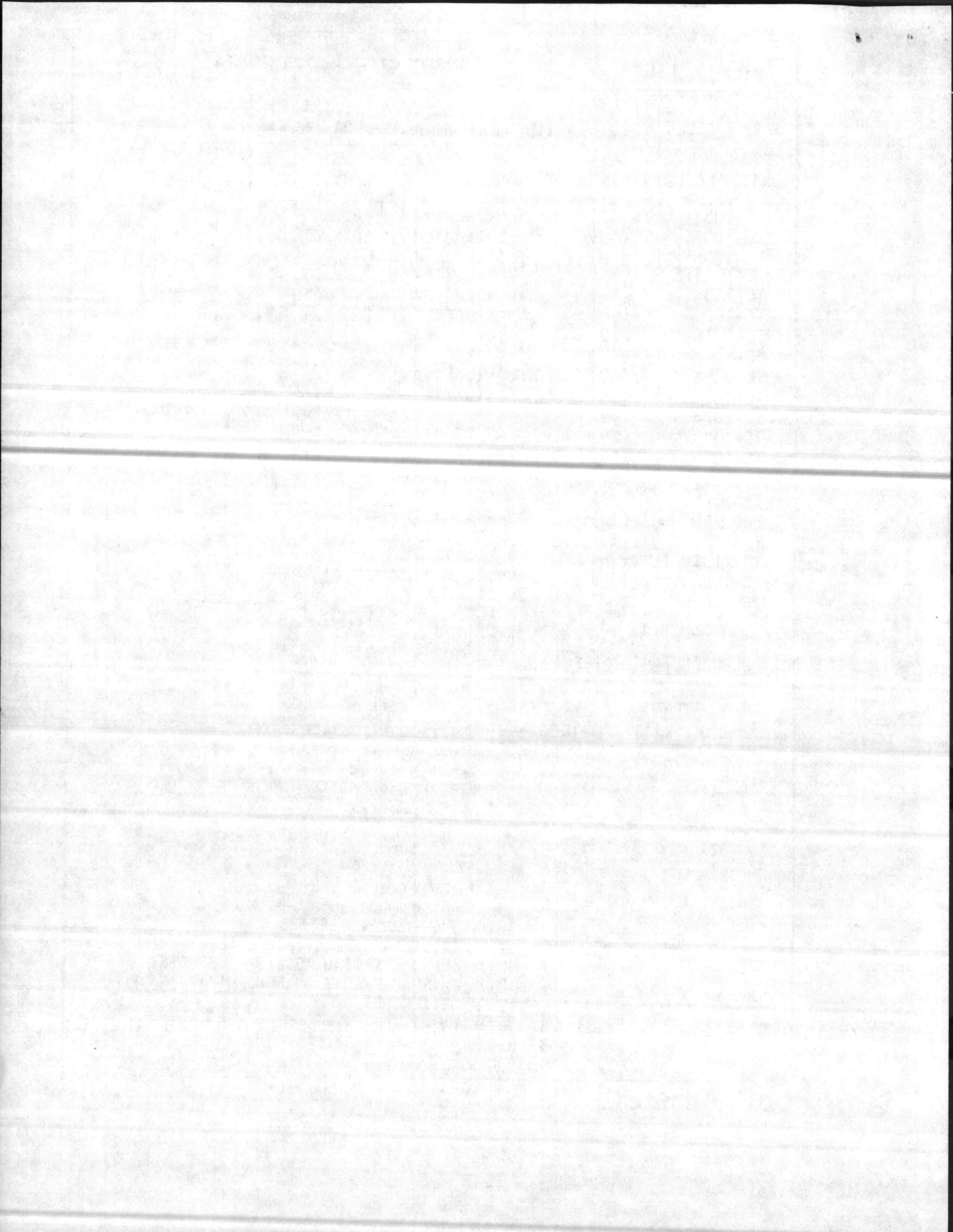
1. COMPONENT		2. DATE		
NAVY		FY 19 86 MILITARY CONSTRUCTION PROJECT DATA		
		1 AUG 1981		
3. INSTALLATION AND LOCATION				
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542				
4. PROJECT TITLE			5. PROJECT NUMBER	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING (UEPH)			P-626	
M-609	(63)	Substandard	"	"
M-611	(21)	Substandard	"	"
M-614	(63)	Substandard	"	"
M-616	(63)	Substandard	"	"
M-621	(32)	Substandard	"	"
M-622	(63)	Substandard	"	"
BA-102	(56)	Substandard	"	"
BA-104	(115)	Substandard	"	"
BA-105	(88)	Substandard	"	"
BB-11	(164)	Substandard ;	to be converted to CCN 171-10/20	
BB-12	(164)	Substandard	"	"
BB-13	(164)	Substandard	"	"
BB-14	(164)	Substandard	"	"
BB-250	273	Adequate	UEPH	facility
BB-225	273	Adequate	"	"
FC-304	174	Adequate	"	"
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FC-306	174	Adequate	"	"
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FC-550	218	Adequate ;	"	"
FC-555	218	Adequate ;	"	"
FC-560	218	Adequate ;	"	"
FC-565	218	Adequate :	"	"
RR-1	(164)	Substandard ;	to be retained	
RR-2	(164)	Substandard	"	"
RR-4	(164)	Substandard	"	"
RR-5	(164)	Substandard	"	"
RR-201	(32)	Substandard ;	Vacant	



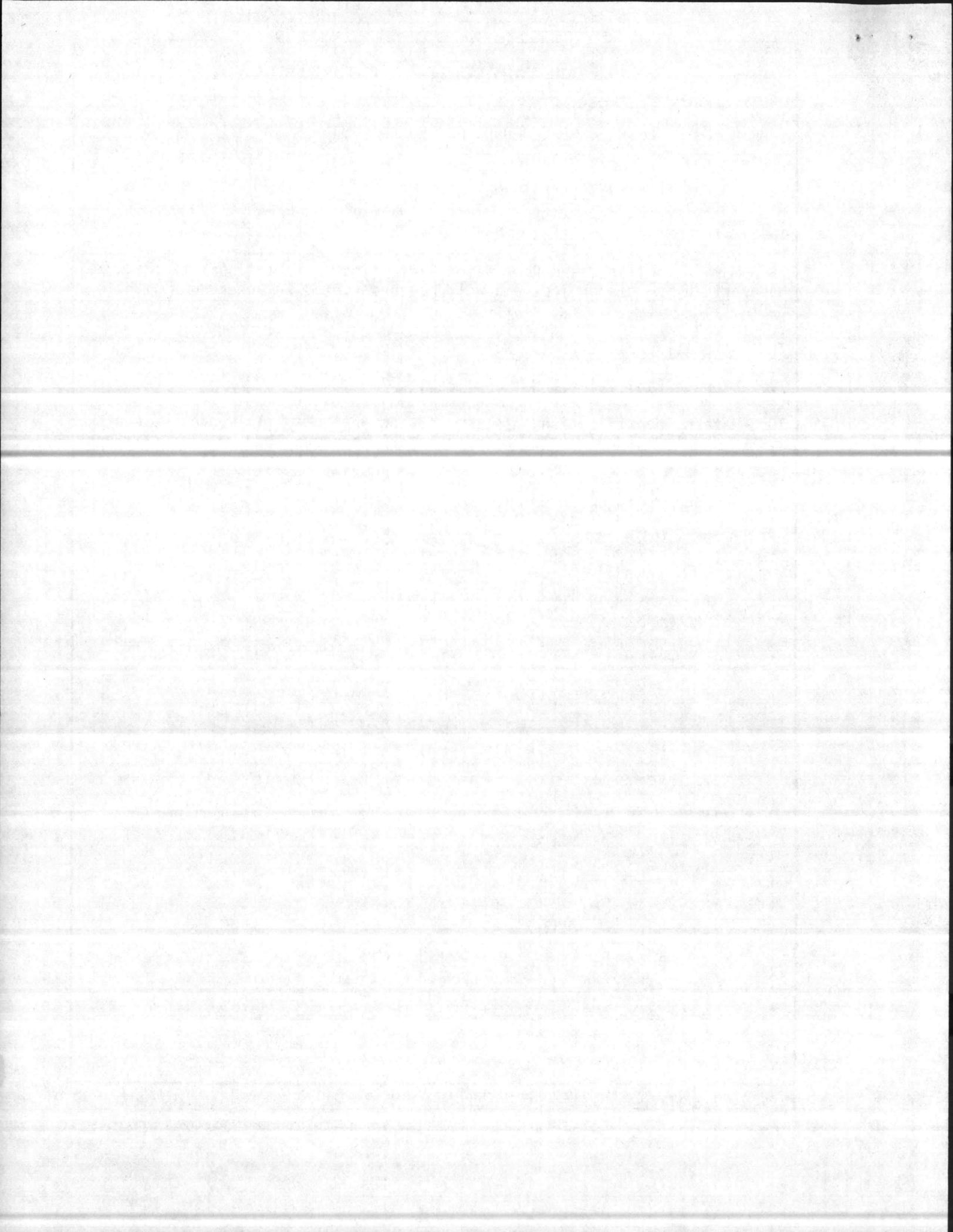
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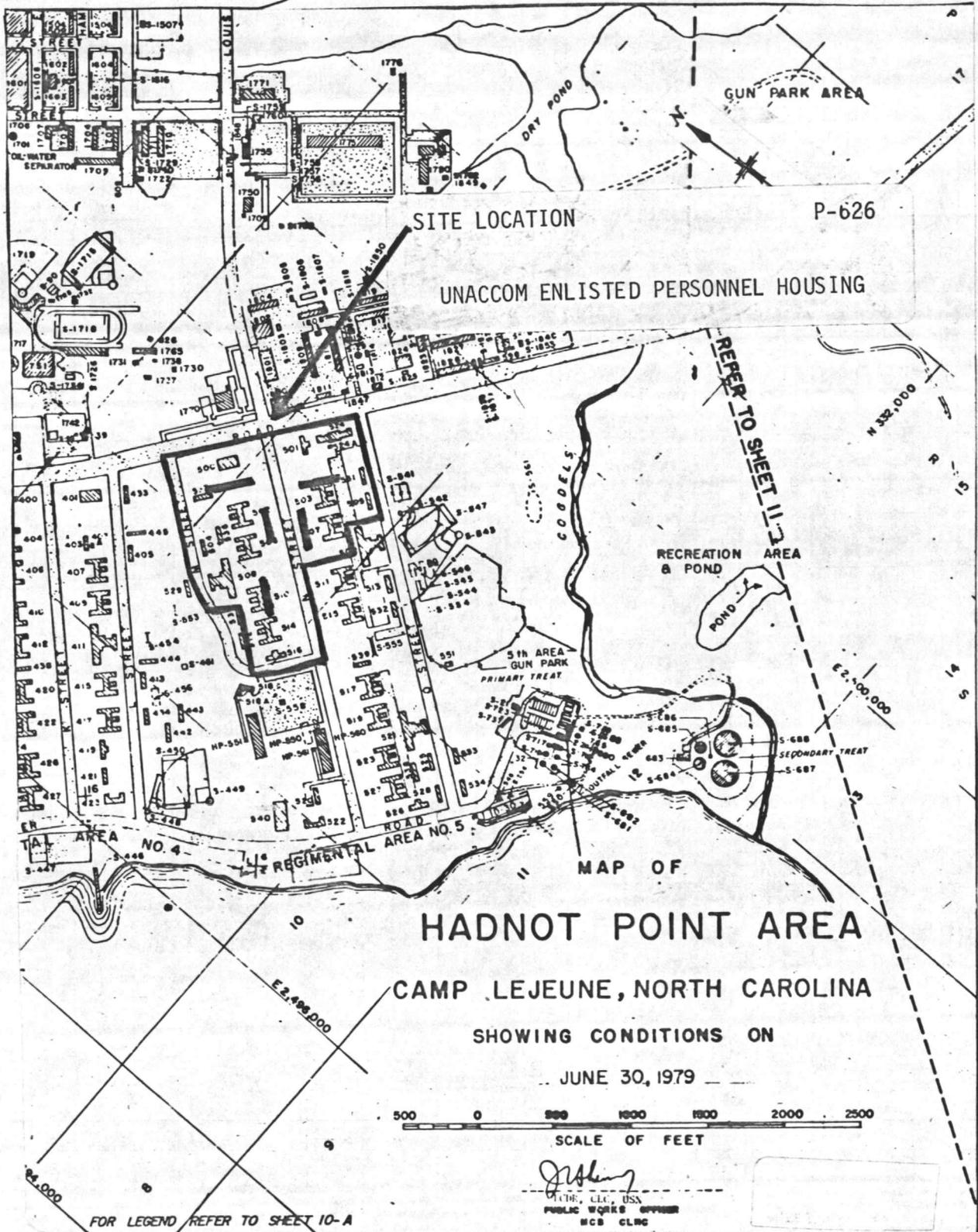


1. COMPONENT NAVY	FY 19 86 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1981																																																																																																																								
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<table style="width:100%; border-collapse: collapse;"> <tr><td style="width:15%;">TC-1004</td><td style="width:10%;">(40)</td><td style="width:35%;">Substandard</td><td style="width:10%;">"</td><td style="width:10%;">"</td><td style="width:10%;">"</td></tr> <tr><td>TC-1005</td><td>(40)</td><td>Substandard</td><td>"</td><td>"</td><td>"</td></tr> <tr><td>TC-1006</td><td>(40)</td><td>Substandard</td><td>"</td><td>"</td><td>"</td></tr> <tr><td>TC-1007</td><td>(40)</td><td>Substandard</td><td>"</td><td>"</td><td>"</td></tr> <tr><td>TC-1008</td><td>(40)</td><td>Substandard</td><td>"</td><td>"</td><td>"</td></tr> <tr><td>TC-1009</td><td>(40)</td><td>Substandard</td><td>"</td><td>"</td><td>"</td></tr> <tr><td>TC-1018</td><td>(40)</td><td>Substandard</td><td>"</td><td>"</td><td>"</td></tr> <tr><td>TC-1019</td><td>(40)</td><td>Substandard</td><td>"</td><td>"</td><td>"</td></tr> <tr><td>TC-1026</td><td>(40)</td><td>Substandard</td><td>"</td><td>"</td><td>"</td></tr> <tr><td>TC-1027</td><td>(46)</td><td>Substandard</td><td>"</td><td>"</td><td>"</td></tr> <tr><td>TC-1028</td><td>(46)</td><td>Substandard; future repl. considered</td><td>"</td><td>"</td><td>"</td></tr> <tr><td>TC-1039</td><td>(46)</td><td>Substandard;</td><td>"</td><td>"</td><td>"</td></tr> <tr><td>TC-1046</td><td>(46)</td><td>Substandard;</td><td>"</td><td>"</td><td>"</td></tr> <tr><td>TC-1047</td><td>(46)</td><td>Substandard;</td><td>"</td><td>"</td><td>"</td></tr> <tr><td>TC-1064</td><td>(13)</td><td>Substandard;</td><td>"</td><td>"</td><td>"</td></tr> <tr><td>TC-1065</td><td>(13)</td><td>Substandard;</td><td>"</td><td>"</td><td>"</td></tr> <tr><td>TC-1066</td><td>(13)</td><td>Substandard;</td><td>"</td><td>"</td><td>"</td></tr> <tr><td>TC-1131</td><td>(46)</td><td>Substandard;</td><td>"</td><td>"</td><td>"</td></tr> <tr><td>TC-1132</td><td>(46)</td><td>Substandard;</td><td>"</td><td>"</td><td>"</td></tr> <tr><td>TC-1142</td><td>(46)</td><td>Substandard;</td><td>"</td><td>"</td><td>"</td></tr> </table>			TC-1004	(40)	Substandard	"	"	"	TC-1005	(40)	Substandard	"	"	"	TC-1006	(40)	Substandard	"	"	"	TC-1007	(40)	Substandard	"	"	"	TC-1008	(40)	Substandard	"	"	"	TC-1009	(40)	Substandard	"	"	"	TC-1018	(40)	Substandard	"	"	"	TC-1019	(40)	Substandard	"	"	"	TC-1026	(40)	Substandard	"	"	"	TC-1027	(46)	Substandard	"	"	"	TC-1028	(46)	Substandard; future repl. considered	"	"	"	TC-1039	(46)	Substandard;	"	"	"	TC-1046	(46)	Substandard;	"	"	"	TC-1047	(46)	Substandard;	"	"	"	TC-1064	(13)	Substandard;	"	"	"	TC-1065	(13)	Substandard;	"	"	"	TC-1066	(13)	Substandard;	"	"	"	TC-1131	(46)	Substandard;	"	"	"	TC-1132	(46)	Substandard;	"	"	"	TC-1142	(46)	Substandard;	"	"	"
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4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING	5. PROJECT NUMBER P-626	
<p>14. <u>Maintenance Facilities</u>: Not applicable.</p> <p>15. <u>Morale, Welfare, and Recreation Facilities</u>: Recreational fields will be provided in this project and will be constructed in accordance with DODINST 4270.1.</p> <p>16. <u>Relocation Facilities</u>: Not applicable.</p> <p>17. <u>Storage Facilities</u>: Not applicable.</p> <p>18. <u>Hazard Identification, Assessment, and Analysis</u>. This project consists of multi-story complex with potential personnel hazard from falling; however, adequate rails are planned which meet DOD safety criteria.</p>		





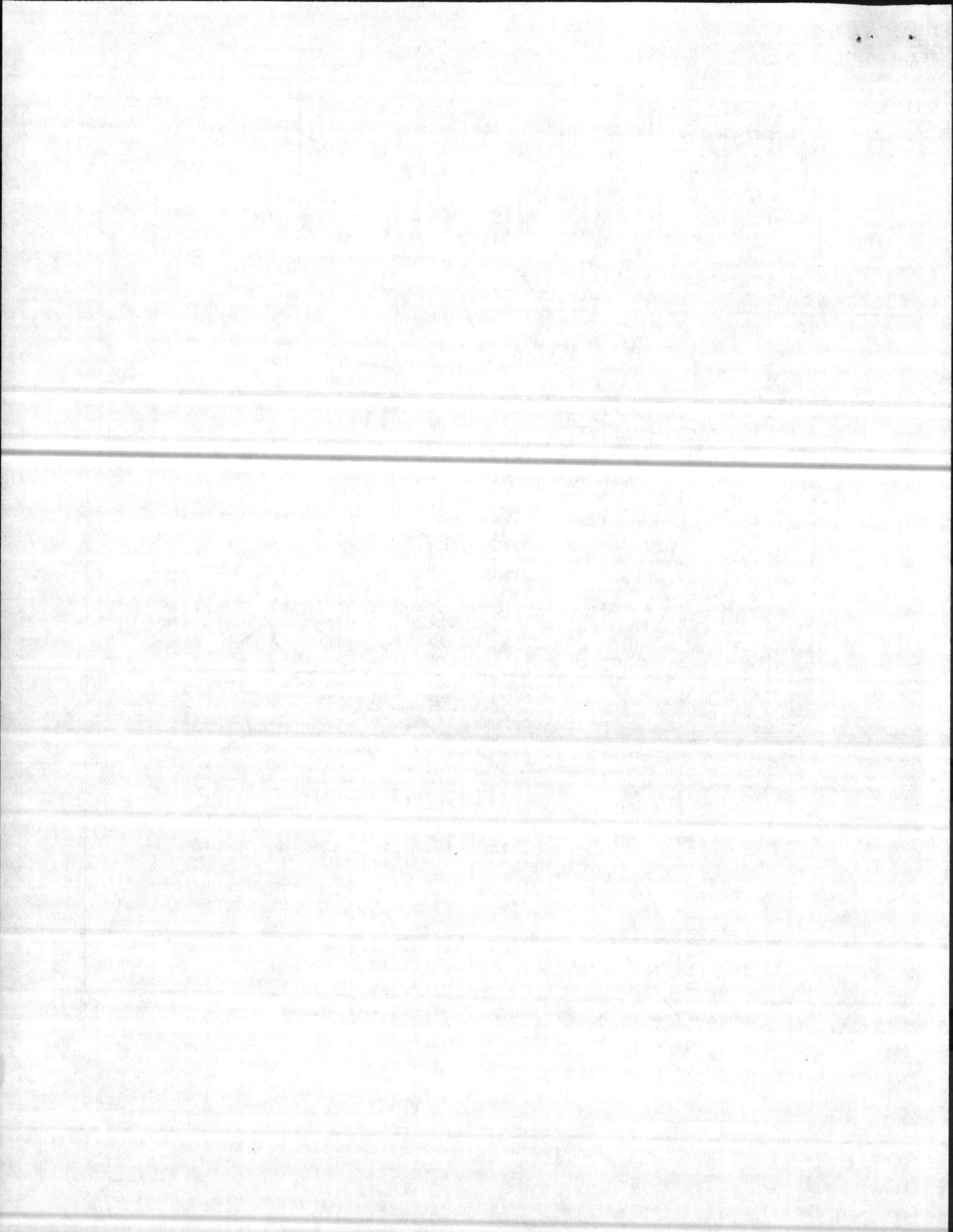
MAP OF
HADNOT POINT AREA
 CAMP LEJEUNE, NORTH CAROLINA
 SHOWING CONDITIONS ON
 JUNE 30, 1979

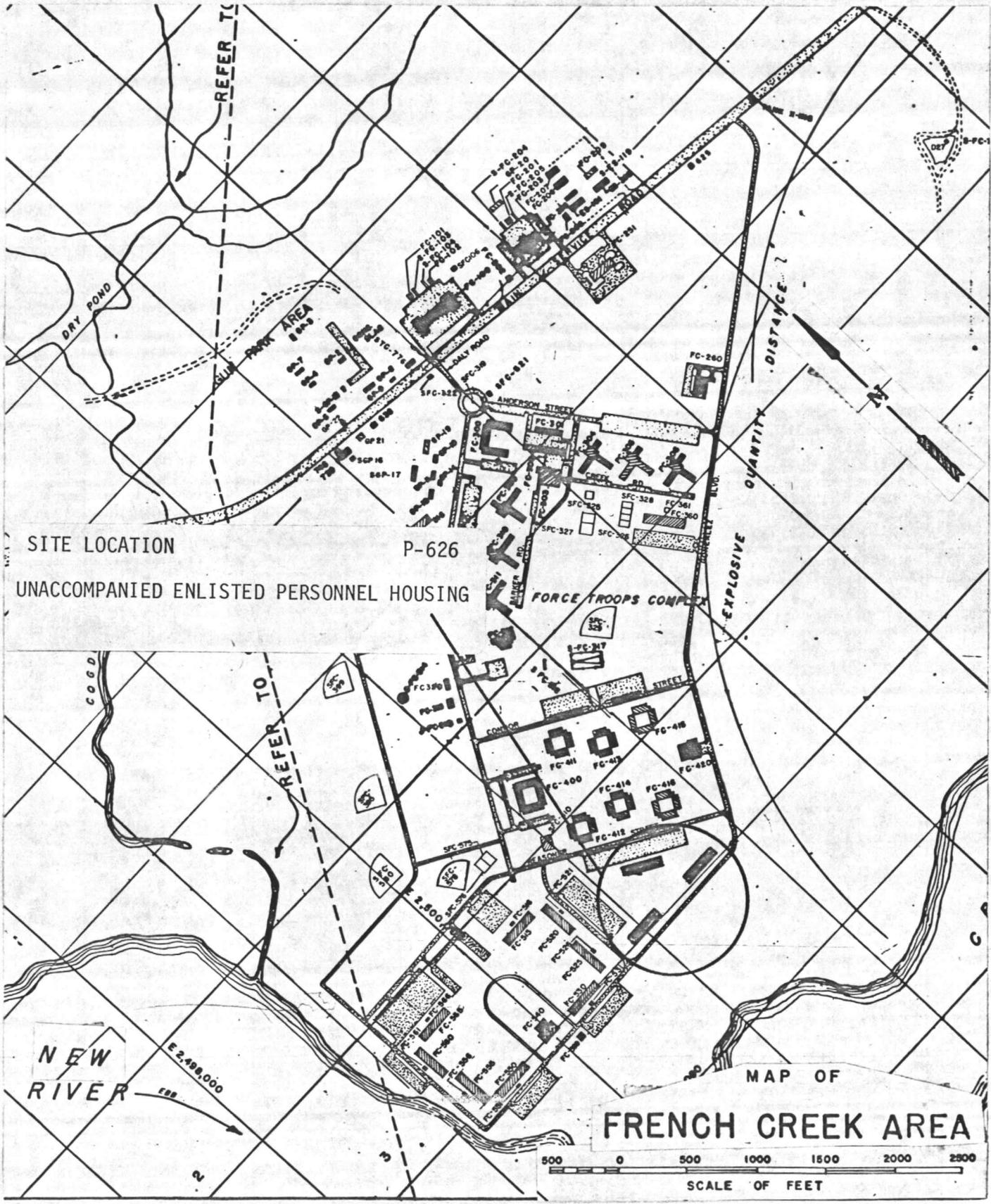


J. H. King
 MAJ, CLC, USA
 PUBLIC WORKS OFFICER
 MCB CLC

FOR LEGEND REFER TO SHEET 10-A

ENCLOSURE (1)
 SHEET (1) OF (2)





SITE LOCATION

P-626

UNACCOMPANIED ENLISTED PERSONNEL HOUSING

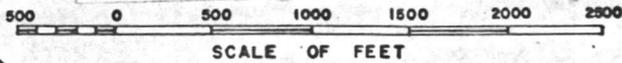
FORCE TROOPS COMPLEX

NEW RIVER

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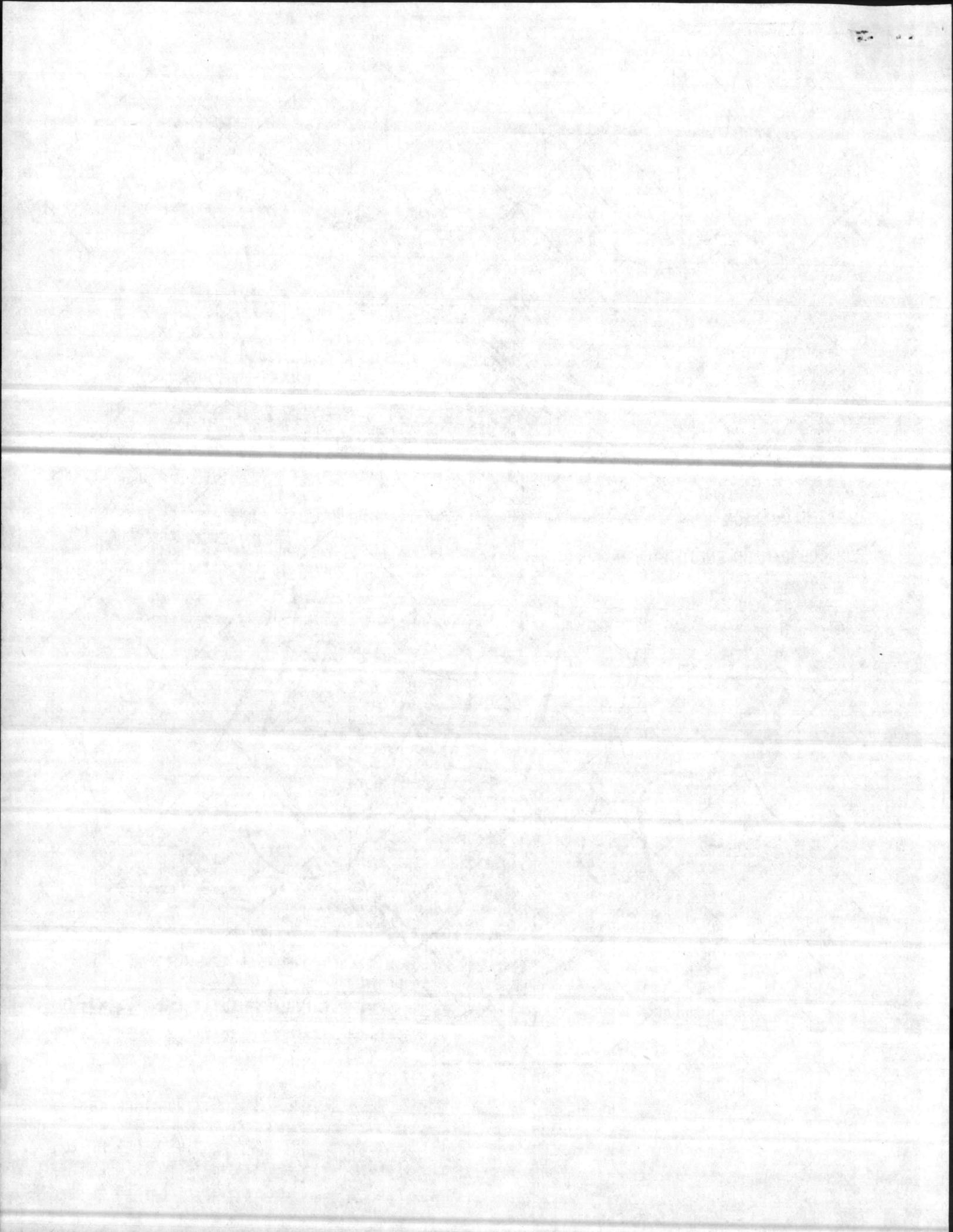
MAP OF

FRENCH CREEK AREA

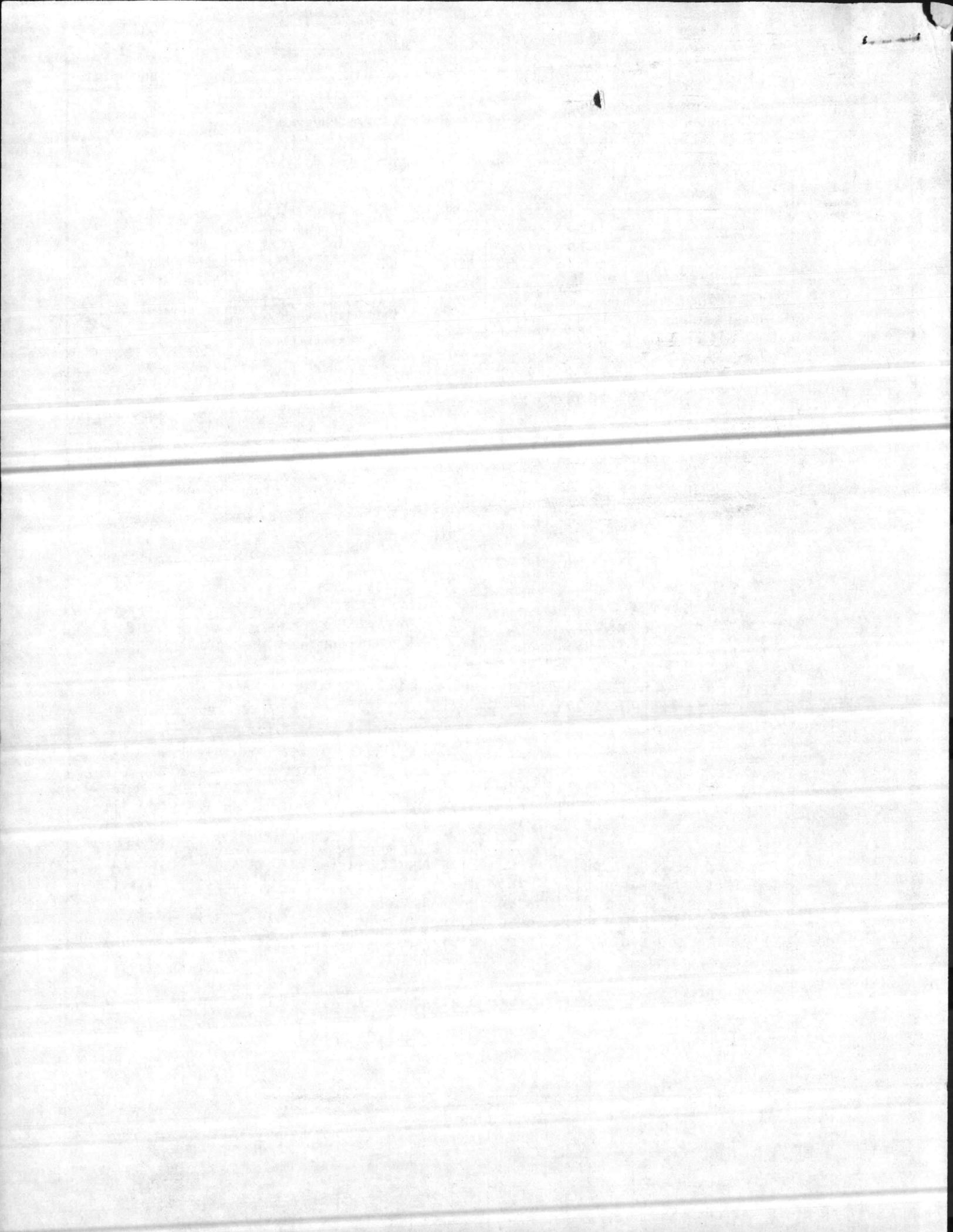


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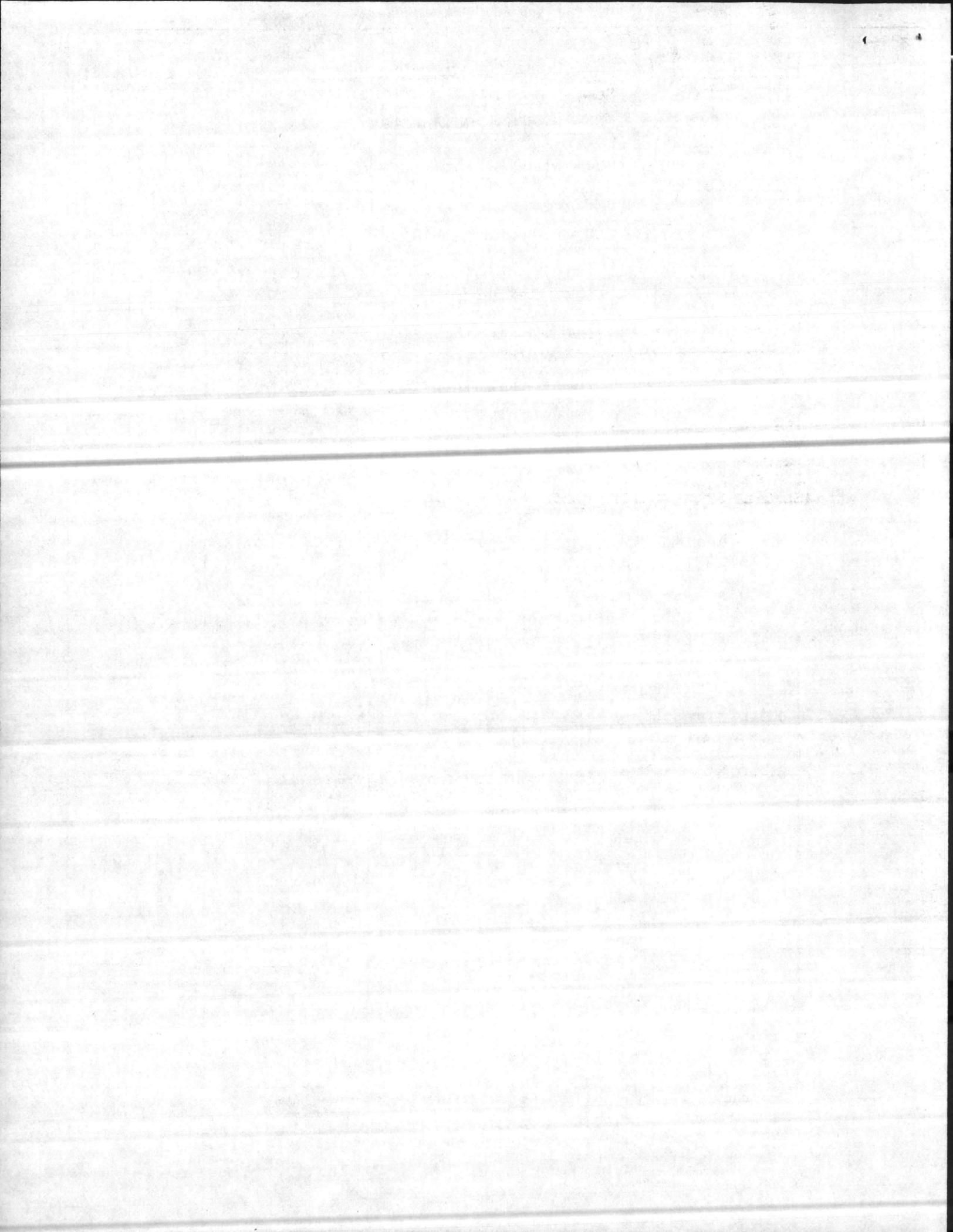
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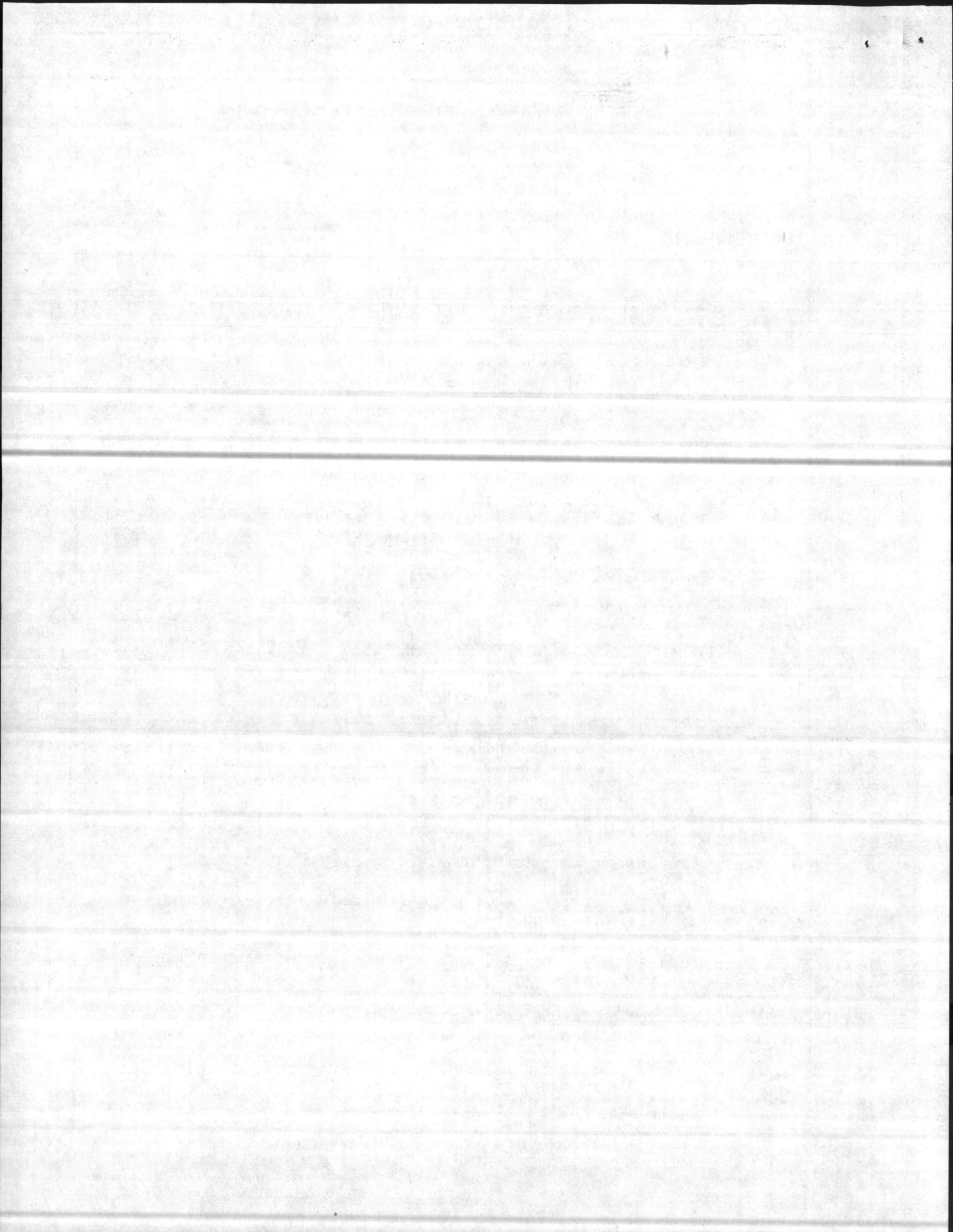
1. COMPONENT NAVY		FY 19 <u>86</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE 1 AUG 1981	
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA 28542				4. PROJECT TITLE COMBAT/AUTOMOTIVE/TRACK FIELD MAINTENANCE SHOP (INCREMENT 2)		
5. PROGRAM ELEMENT		6. CATEGORY CODE 214-53	7. PROJECT NUMBER P-803		8. PROJECT COST (\$000) \$5,800	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
FIELD MAINTENANCE SHOP		SF	48,000	100	4,800	
Building - Shop 3		SF	48,000	90	(4,275)	
Built-In Equipment		LS	-	-	(525)	
SUPPORTING FACILITIES		LS	-	-	405	
Pavements, flexible & rigid		SY	17,361	14.10	(245)	
Water, sewer, steam, fire alarm/telephone systems, site improvements		LS	-	-	(160)	
SUBTOTAL		LS	-	-	5,205	
CONTINGENCY - 5%		LS	-	-	260	
ESTIMATED CONTRACT COST		LS	-	-	5,465	
SUPERVISION, INSPECTION, & OVERHEAD - 5.5%		LS	-	-	300	
TOTAL REQUEST (ROUNDED)		LS	-	-	5,800	
INSTALLED EQUIPMENT - OTHER APPROPRIATIONS		-	-	-	-	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
<p>Permanent one-story shop with piles, reinforced concrete foundation, floors, and masonry walls. Built-up roof over insulation and interior support systems (i.e., air conditioning, steam, compressed air, sprinkler, fire alarm, 400 Hz power, plumbing, overhead bridge cranes, exterior pavement, site work, and utilities connected (41 tons air conditioning)).</p>						
11. REQUIREMENTS						
<p>PROJECT: Construct Increment 2 of Combat/Automotive/Track Field Maintenance Shop for maintenance personnel of the 2d Force Service Support Group (FSSG).</p> <p>REQUIREMENT: This facility is required to perform 3rd and 4th echelon maintenance on equipment assigned to the 2d Marine Division (2d MARDIV); Marine Corps Air Station (H), New River (MCAS(H)); and 2d FSSG.</p> <p>CURRENT SITUATION: The maintenance program is being carried out in sub-standard masonry-type WW-II buildings and Butler-type metal buildings. The facilities are totally inadequate due to size, configuration, utility requirements, and site location.</p> <p>IMPACT IF NOT PROVIDED: The deadline time on equipment will remain adversely affected and maintenance capability and combat readiness will continue to be impaired.</p>						
VM						



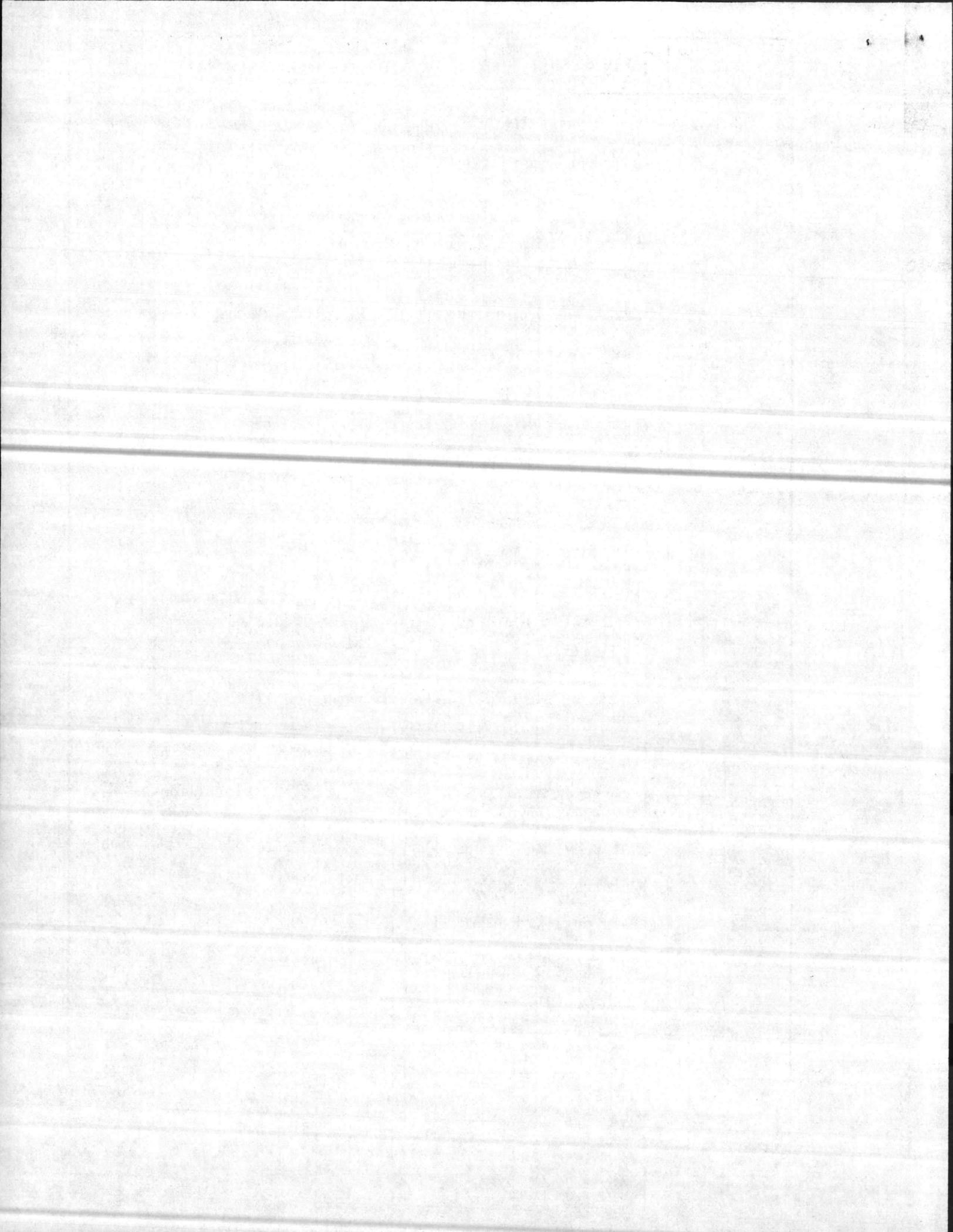
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<p style="text-align: center;"><u>SPECIAL CONSIDERATIONS</u></p> <ol style="list-style-type: none"> 1. <u>Pollution Prevention, Abatement, and Control</u>: This project will not cause additional air or water pollution. 2. <u>Flood Hazard Evaluation</u>: Requirements of Executive Order No. 11296 (Flood Hazards) are not applicable. 3. <u>Environmental Impact</u>: The project Environmental Impact Assessment (EIA) is being written and will be processed through the local EIA Review Board. No adverse environmental impact is anticipated. 4. <u>Fallout Shelter Construction</u>: Fallout shelter protection is not incorporated in this project. 5. <u>Design for Accessibility of Physically Handicapped Personnel</u>: Provisions for physically handicapped personnel are not required in this project. 6. <u>Use of Air Conditioning</u>: Ceiling "U" factors will be made to conform WITH DOD 4270.1-M. 7. <u>Preservation of Historical Sites and Structures</u>: 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. <u>"New Start" Criteria for Commercial or Industrial Activities Program (OMB Circular A-76)</u>: Not applicable. 		



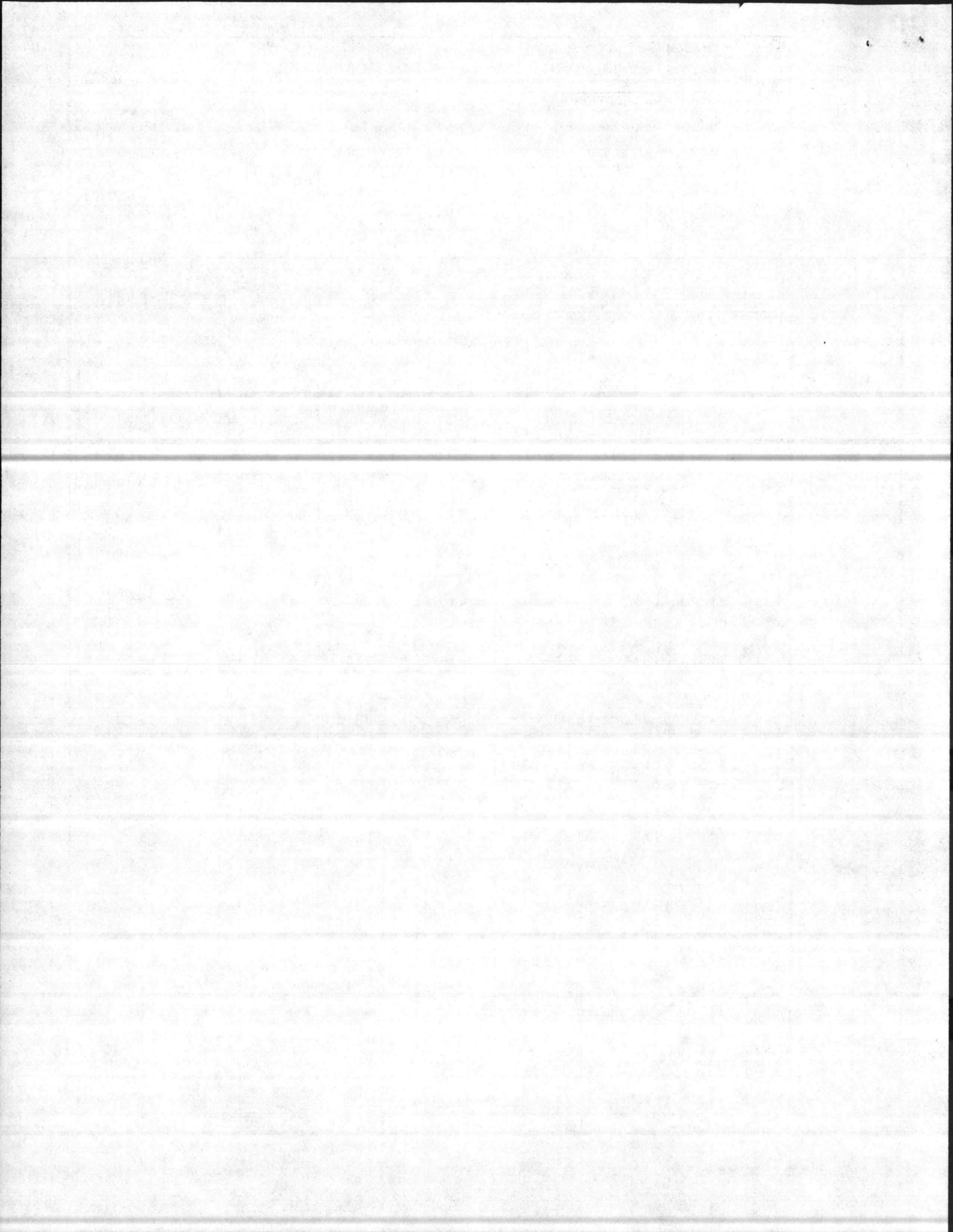
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4. PROJECT TITLE COMBAT/AUTOMOTIVE/TRACK FIELD MAINTENANCE SHOP (INCREMENT 2)	5. PROJECT NUMBER P-803	
<u>FACILITY STUDY</u>		
1. <u>Project.</u> Provide 48,000 SF of Combat/Automotive/Track Field Maintenance Shop area as Increment 2 of a total planned 442,600 SF maintenance complex.		
2. <u>Current and Planned Future Workload with Regard to This Project.</u> The duration of need is indefinite and the facility will be utilized 100 percent of the time. An average of ten hours per day for a five-day work week is spent in the shops. The organization is responsible for performing third and fourth echelon maintenance on equipment assigned to the 2d Marine Division (FMF); Marine Corps Air Station (H), New River; and 2d Force Service Support Group (REIN). The future workload is difficult to project; however, it is expected to increase as the present equipment becomes older and new items are introduced into the system.		
3. <u>Description of Proposed Organization.</u>		
a. <u>Type of Construction:</u>		
(1) Permanent one-story maintenance shop on pilings, reinforced concrete foundations, floors, masonry walls, built-up roof, insulation, interior utilities, and air conditioning.		
(2) Rigid and flexible walks and parking pavements, site improvements, exterior utilities, etc.		
b. <u>Replacement.</u> Not applicable; existing facilities will be temporarily utilized to satisfy deficiencies until new facilities are constructed.		
c. <u>Description of Work to be Done.</u>		
(1) <u>Primary Facility.</u> Modular reinforced concrete/masonry structures on pile foundation.		
(a) <u>Support Facilities.</u> Rigid and flexible pavements, utilities, and site improvement.		
(2) <u>Energy Conservation.</u> Energy efficient equipment and building materials and orientation for maximum energy conservation will be utilized.		
(3) <u>Collateral Equipment.</u>		
(SEE NEXT PAGE)		



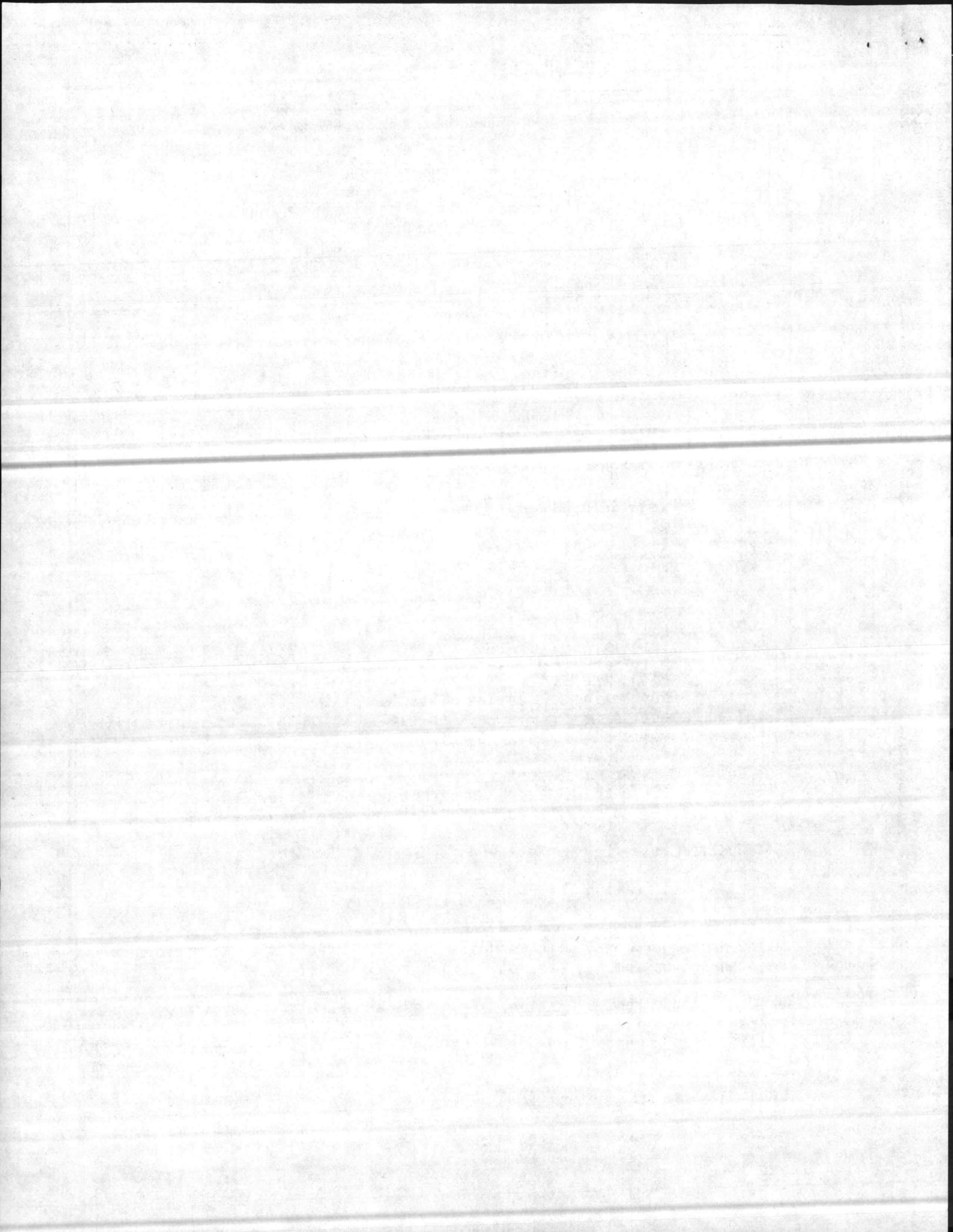
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<p>(a) <u>Built-in MCON Funded:</u></p> <ul style="list-style-type: none"> *Venetian blinds and window screens *Air conditioning, heating, and ventilating systems *Interior steam system *Plumbing system *Sprinkler system *Telephone, fire alarm, and intercom systems *Drinking water coolers *Air hose reel, 150 PSI H.D., w/hose control valve and hose stop (ceiling, wall, or pedestal mounted) *Elec extension cord reel, H.D., w/cord stop (ceiling, wall, or pedestal mounted) *Water hose reel, H.D., w/hose control valve and hose stop (ceiling, wall or pedestal mounted) *Exhaust system, underground (automotive or const. equip.) *Pass window, 4' wide, w/counter & "B" label roll down shutter, w/fusible link, if required *5-ton overhead monorail *Paint spray booth, w/hood, 5'x3' *Twin post hydraulic lift, H.D., 40,000 lb. capacity *400 cycle electrical distribution system <p>(b) <u>Expense Items:</u> SEE NEXT PAGE</p>		

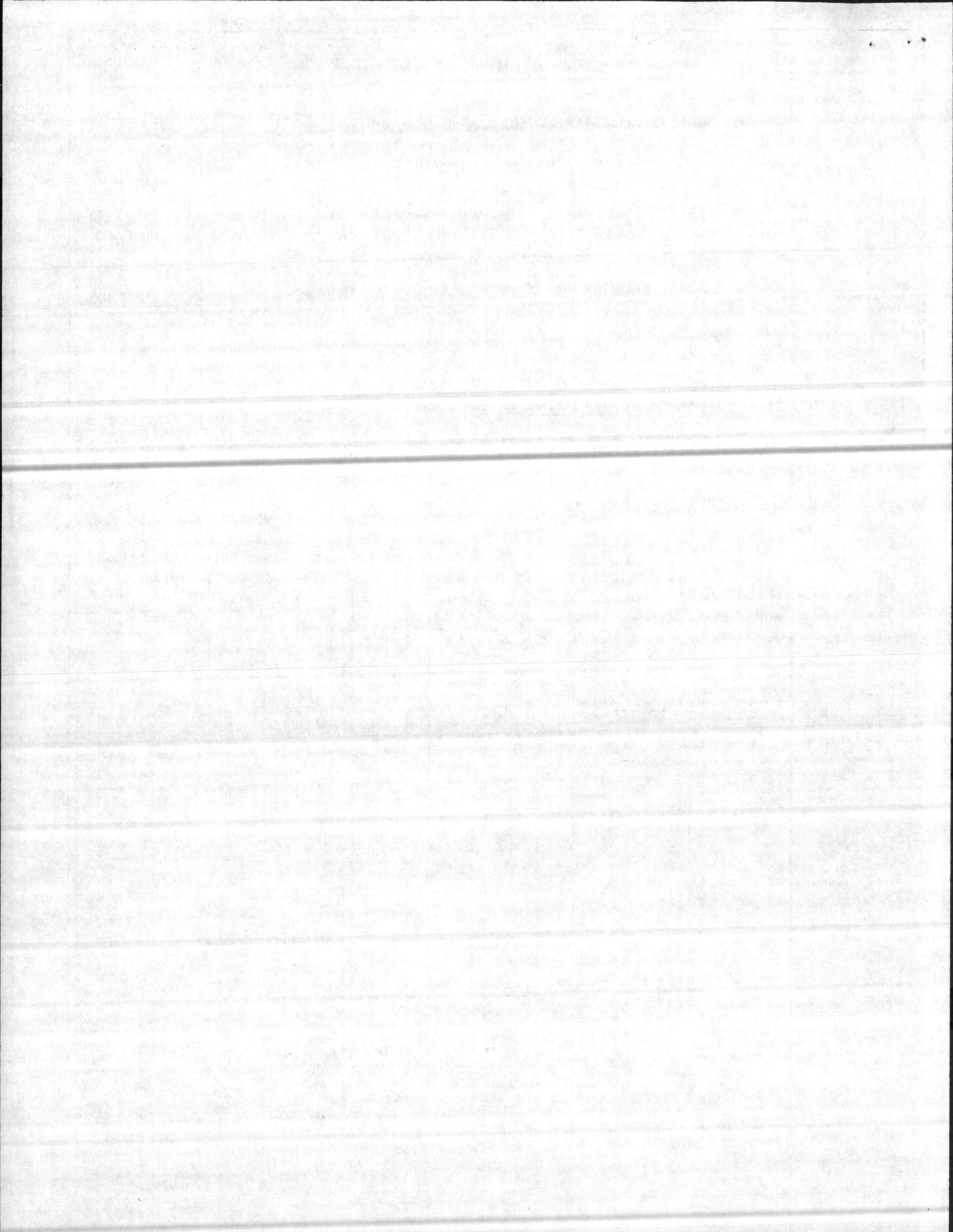


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(b) Expense Items:					
<u>DESCRIPTION</u>		<u>QTY</u>	<u>UNIT OF ISSUE</u>	<u>UNIT PRICE</u>	<u>TOTAL COST</u>
Bench, work, stationary, 28"D, 34"H		88	LF	\$77.59	\$6,827
Bin, parts, rota, 3'D, multi-bin		3	EA	360.00	1,080
Shelving, 12"W, w/adj standards		6	EA	90.00	540
Tank, cleaning, parts, 38'x22'x34', portable		2	EA	395.00	790
Bench, work, stationary, 36"D, 34"H		2	EA	75.00	150
Stand, axle		1	EA	200.00	200
Machine, sewing, light textile		1	EA	750.00	750
Table, layout, 16'x5', light textile		1	EA	200.00	200
Table, work, 16'x2', light textile		7	EA	175.00	1,225
Machine, sewing, heavy canvas		3	EA	1,100.00	3,300
Table, work, 16'x7' wood top		3	EA	225.00	675
Shelving, 24"W		1,324	LF	10.00	13,240
Machine, OM, cleaning, 2'x5'		1	EA	300.00	300
Tanks, OM equip rinse, 2'x2'		3	EA	35.00	150
Bench, OM repair, 3'x4'		24	EA	60.00	1,440
Bench, electronics repair, 36"x144"x34"H		47	EA	90.00	4,230
Cleaner, ultrasonic (electronic components)		2	EA	1,000.00	2,200
Racks, store, 48"D x 48"H		1	EA	125.00	125

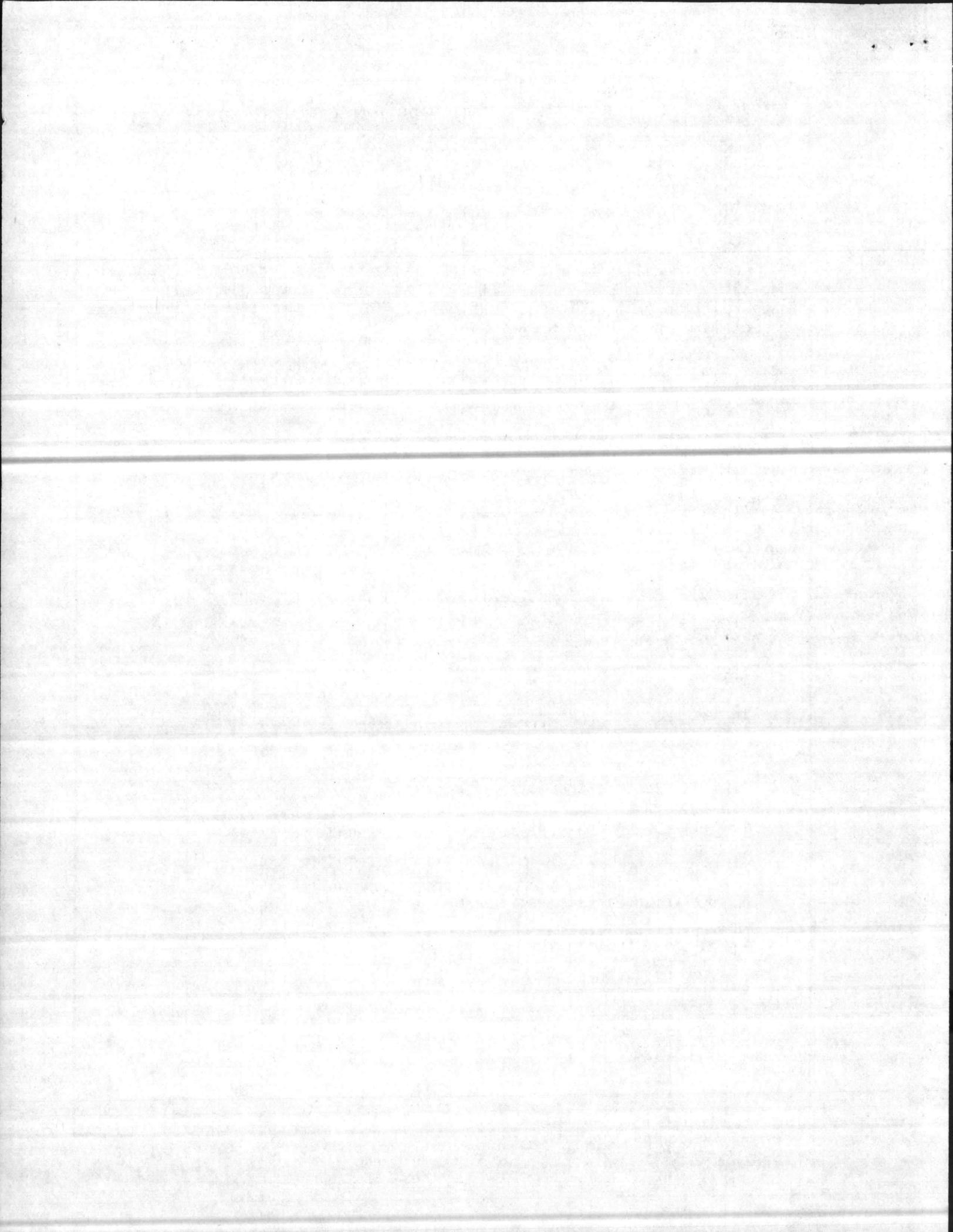


1. COMPONENT NAVY	FY 19 <u>86</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1981		
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542				
4. PROJECT TITLE COMBAT/AUTOMOTIVE/TRACK FIELD MAINTENANCE SHOP (INCREMENT 2)		5. PROJECT NUMBER P-803		
(b) <u>Expense Items</u> (continued...)				
<u>DESCRIPTION</u>	<u>QTY</u>	<u>UNIT OF ISSUE</u>	<u>UNIT PRICE</u>	<u>TOTAL COST</u>
Racks, store, 36"D x 24"H	3	EA	100.00	300
TOTAL EXPENSE ITEMS				\$37,677
Shipping, packing, handling, installation charges, and contingencies - 10%				\$ 37,677
(c) <u>INVESTMENT ITEMS</u> - None				
(d) <u>APA EQUIPMENT</u> - None				
(e) <u>TRAINING EQUIPMENT</u> - None				
(f) <u>SUMMARY:</u>				
Expense Cost				\$ 37,677
Investment Cost				-
Training Cost				-
TOTAL COST				\$ 37,677
<p>(4) <u>Supporting Facilities</u>. Special piling, foundation, collateral equipment, site improvement, pollution abatement, etc. No demolition will be accomplished on this project.</p> <p>4. <u>Cost Estimate</u>. Area cost factor for Camp Lejeune, NC is 0.95. Cost data derived from the Military Construction Cost Review Guide, FY-82 (DOD 4270.1-CG) to provide for this facility, escalated to FY-83.</p> <p>5. <u>Justification for Project and for Scope of Project</u>.</p> <p style="padding-left: 20px;">a. <u>Justification for Project</u>.</p> <p style="padding-left: 40px;">(1) <u>Project</u>. Proposed facilities are required to provide maintenance personnel with adequate and secure facilities to perform maintenance on combat, automotive, and track vehicles.</p> <p style="padding-left: 40px;">(2) <u>Current Situation</u>. Personnel are working in substandard and makeshift facilities that are totally inadequate in size, configuration, utility requirements, and site location.</p>				





1. COMPONENT NAVY	FY 19 <u>86</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1981																											
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4. PROJECT TITLE COMBAT/AUTOMOTIVE/TRACK FIELD MAINTENANCE SHOP (INCREMENT 2)		5. PROJECT NUMBER P-803																											
11. <u>Economic Analysis.</u> This facility is being constructed on an undeveloped site. 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 (EIA) is being written and will be processed through the local EIA Review Board. No adverse environmental impact is anticipated.																													
13. <u>Quantitative Data.</u> a. <u>BFRL requirement</u> for the French Creek area (EA) is 442,600 SF. NAVFAC P-80 states that the requirement for this category code (214-53) is determined from definitive drawings given in NAVFAC P-272, Part IV.																													
<table border="1"> <thead> <tr> <th data-bbox="289 926 487 961"><u>NAVFAC DWG #</u></th> <th data-bbox="732 926 922 961"><u>DESCRIPTION</u></th> <th data-bbox="1159 926 1279 961"><u>AREA SF</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="337 989 456 1024">1294489</td> <td data-bbox="483 989 1084 1024">Combat/Automotive/Track Fld Mnt Shop</td> <td data-bbox="1159 989 1279 1024">220,000</td> </tr> <tr> <td data-bbox="337 1056 456 1092">1294490</td> <td data-bbox="748 1056 764 1092">"</td> <td data-bbox="1175 1056 1279 1092">53,000</td> </tr> <tr> <td data-bbox="337 1123 456 1159">1294491</td> <td data-bbox="748 1123 764 1159">"</td> <td data-bbox="1175 1123 1279 1159">47,500</td> </tr> <tr> <td data-bbox="337 1190 440 1226">129492</td> <td data-bbox="748 1190 764 1226">"</td> <td data-bbox="1175 1190 1279 1226">48,000</td> </tr> <tr> <td data-bbox="337 1257 456 1293">1294493</td> <td data-bbox="748 1257 764 1293">"</td> <td data-bbox="1175 1257 1279 1293">52,300</td> </tr> <tr> <td data-bbox="337 1325 456 1360">1294508</td> <td data-bbox="483 1325 954 1360">Vehicle Inspection Statement</td> <td data-bbox="1192 1325 1279 1360">7,540</td> </tr> <tr> <td data-bbox="337 1392 456 1428">1294444</td> <td data-bbox="483 1392 1084 1428">Combat/Automotive/Track Fld Mnt Shop</td> <td data-bbox="1175 1392 1279 1428"><u>13,760</u></td> </tr> <tr> <td colspan="2" data-bbox="1013 1451 1117 1486">TOTAL:</td> <td data-bbox="1159 1451 1279 1486">442,600</td> </tr> </tbody> </table>	<u>NAVFAC DWG #</u>	<u>DESCRIPTION</u>	<u>AREA SF</u>	1294489	Combat/Automotive/Track Fld Mnt Shop	220,000	1294490	"	53,000	1294491	"	47,500	129492	"	48,000	1294493	"	52,300	1294508	Vehicle Inspection Statement	7,540	1294444	Combat/Automotive/Track Fld Mnt Shop	<u>13,760</u>	TOTAL:		442,600		
<u>NAVFAC DWG #</u>	<u>DESCRIPTION</u>	<u>AREA SF</u>																											
1294489	Combat/Automotive/Track Fld Mnt Shop	220,000																											
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1294444	Combat/Automotive/Track Fld Mnt Shop	<u>13,760</u>																											
TOTAL:		442,600																											
b. <u>Existing Facilities:</u> None																													
c. <u>Planned Facilities:</u>																													
SEE NEXT PAGE																													



1. COMPONENT NAVY	FY 19⁸⁶ MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1981
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3. INSTALLATION AND LOCATION
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

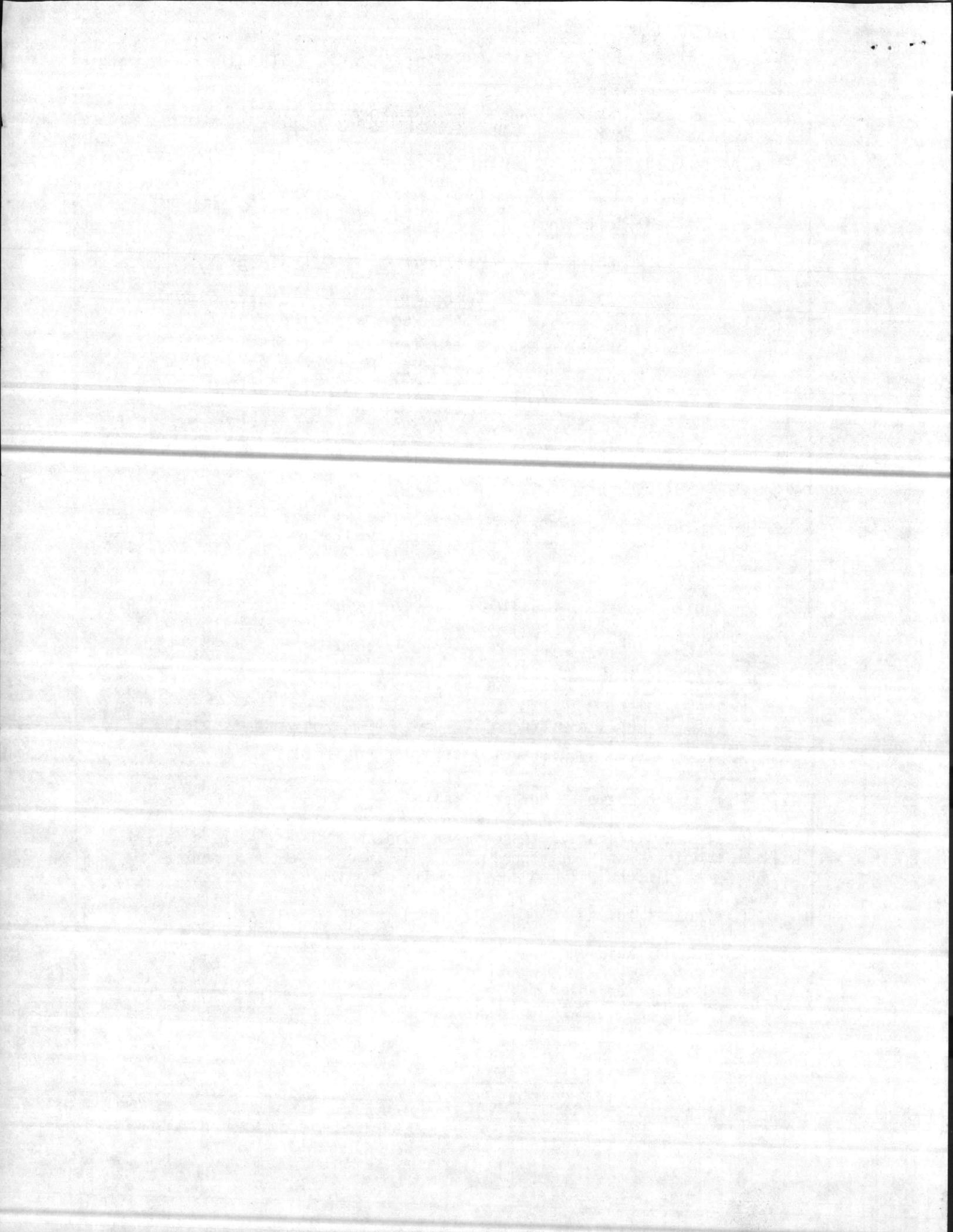
4. PROJECT TITLE COMBAT/AUTOMOTIVE/TRACK FIELD MAINTENANCE SHOP (INCREMENT 2)	5. PROJECT NUMBER P-803
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c. Planned Facilities:

<u>PROJECT #</u>	<u>AREA SF</u>	<u>STATUS</u>
P-257	60,540	FY-85
P-803	48,000	FY-86
P-804	210,300	FY-87
P-805	110,000	FY-88
P-256	<u>13,760</u>	UP
SUBTOTAL:	442,600	

d. Existing Adequate Facilities: 0 SF
 Planned Facilities: 442,600 SF
 TOTAL PLANNED FACILITIES: 442,600 SF
 BFRL TOTAL: 442,600 SF

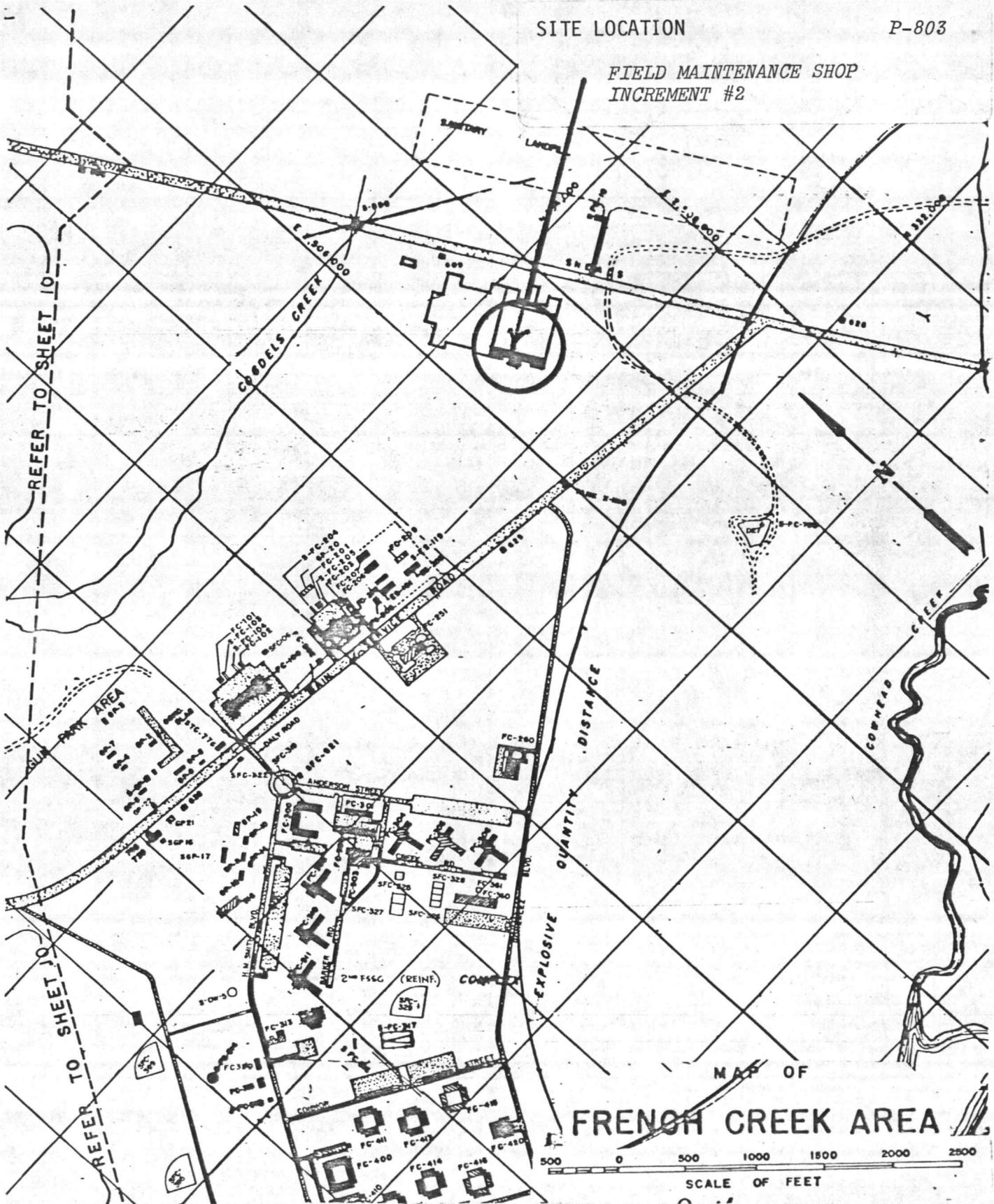
- 14. Maintenance Facilities: Not applicable.
- 15. Morale, Welfare, and Recreation Facilities: Not applicable.
- 16. Relocation Facilities: Not applicable.
- 17. Storage Facilities: Not applicable.
- 18. Hazard Identification, Assessment, and Analysis. Proposed facility will be a Motor Transport School facility. The following potential hazardous conditions will be considered during the design phase:
 - a. Exhaust fumes.
 - b. Battery acid fumes.
 - c. Gasoline/diesel fumes.



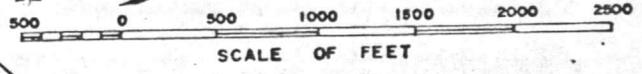
SITE LOCATION

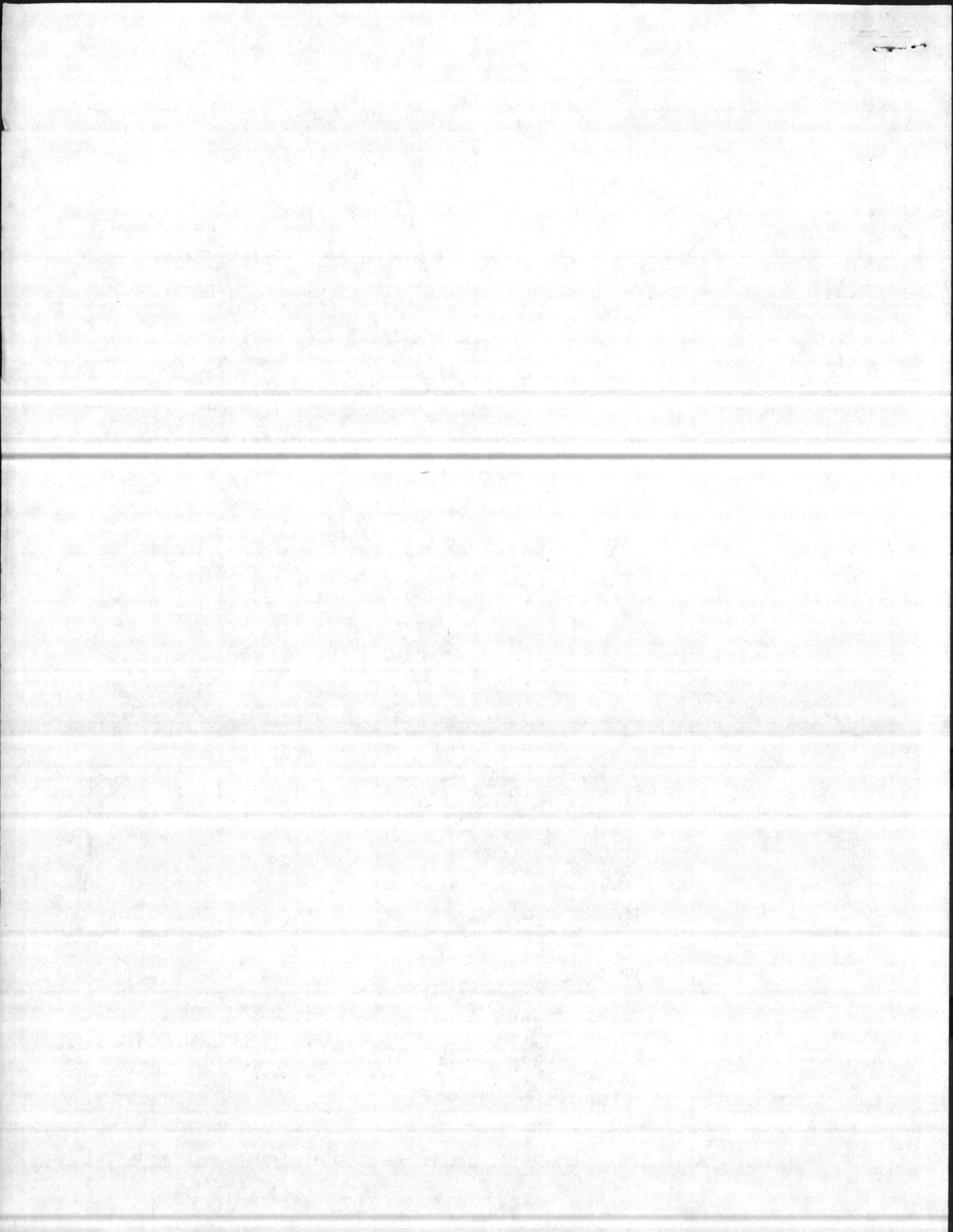
P-803

FIELD MAINTENANCE SHOP
INCREMENT #2



MAP OF
FRENCH CREEK AREA





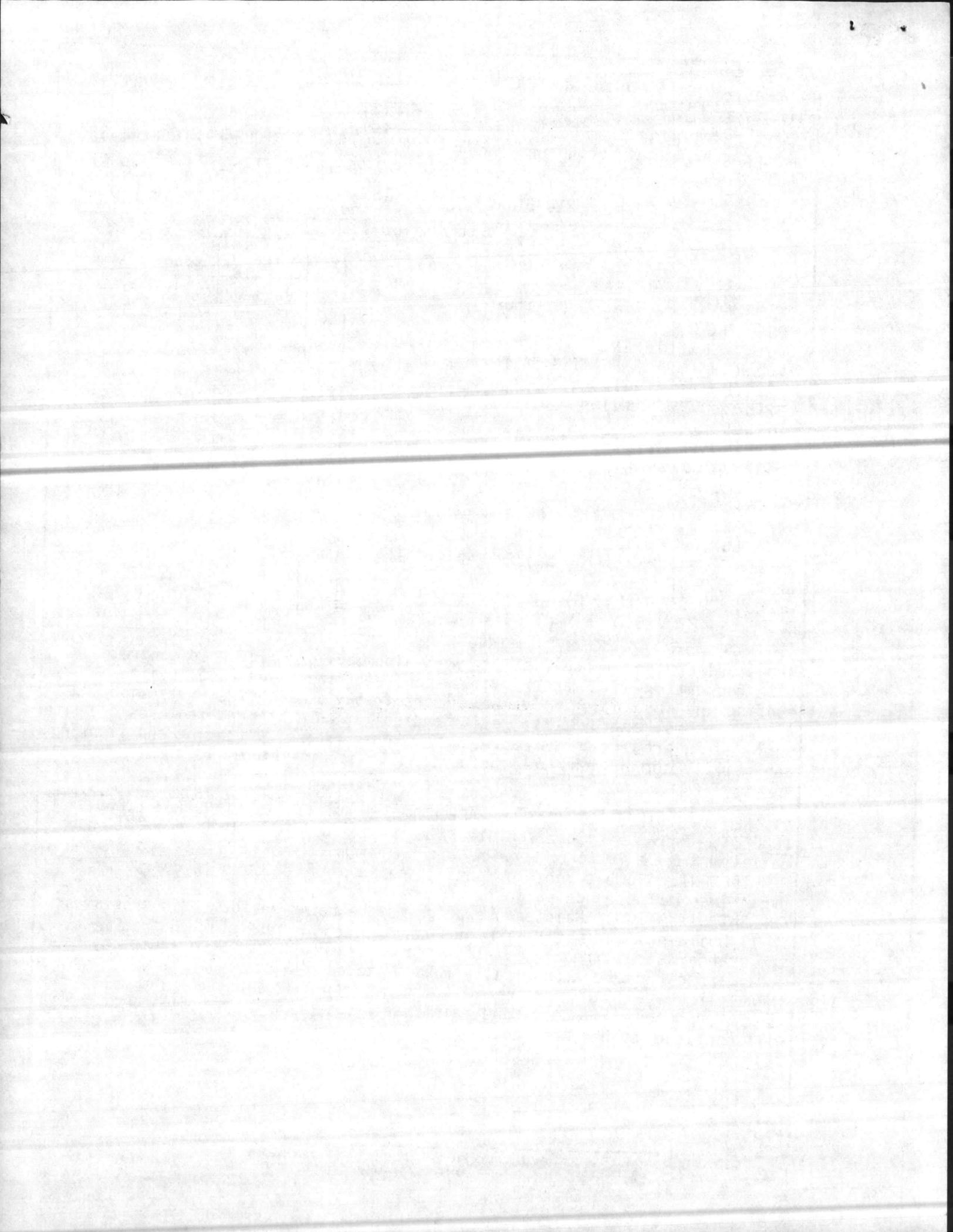
1. COMPONENT NAVY		FY 19_86 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 1 AUG 1980	
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA 28542			4. PROJECT TITLE COMBAT VEHICLE MAINTENANCE SHOP		
5. PROGRAM ELEMENT		6. CATEGORY CODE 214-51	7. PROJECT NUMBER P-027	8. PROJECT COST (\$000) 1,600	

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
COMBAT VEHICLE MAINTENANCE SHOP	SF	16,120	76.19	1,228
BUILDING	SF	16,120	71.48	(1,152)
BUILT-IN EQUIPMENT	LS	-	-	(46)
SOLAR HOT WATER HEATING SYSTEM	LS	-	-	(30)
SUPPORTING FACILITIES	LS	-	-	231
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(14)
UTILITIES	LS	-	-	(70)
ROADS, PARKING, SIDEWALKS	LS	-	-	(87)
SITE IMPROVEMENTS	LS	-	-	(38)
VEHICLE WASH APRON W/POLLUTION CONTROL	SY	445	50.00	(22)
SUBTOTAL				1,459
CONTINGENCY - 5%				73
TOTAL CONTRACT COST				1,532
SUPERVISION, INSPECTION & OVERHEAD - 5.5%				84
TOTAL REQUEST				1,616
TOTAL REQUEST (ROUNDED)				1,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				-

10. DESCRIPTION OF PROPOSED CONSTRUCTION
 Two-storied 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, energy conservation and pollution abatement features are included in project. Wash aprons, pavements, security fencing and lighting, and utility connections are included. (Air conditioning: 6 tons.)

11. REQUIREMENTS: 178,827 SF ADEQUATE: 35,160 SF SUBSTANDARD: 5,068 SF
 PROJECT: Provide Combat Vehicle Maintenance Shop for 8th Communication Battalion of the 2d Force Service Support Group.
 REQUIREMENT: Combat Vehicle Maintenance Shop is required to carry out the prescribed maintenance program.
 CURRENT SITUATION: Maintenance programs are being performed in substandard WW-II buildings and metal buildings constructed in 1952 which do not meet the standards required to maintain the modern, sophisticated equipment used today and cannot be economically rehabilitated.
 IMPACT IF NOT PROVIDED: The 8th Communication Battalion vehicles will remain adversely affected, and maintenance capability and combat readiness will continue to be impaired.

LCH



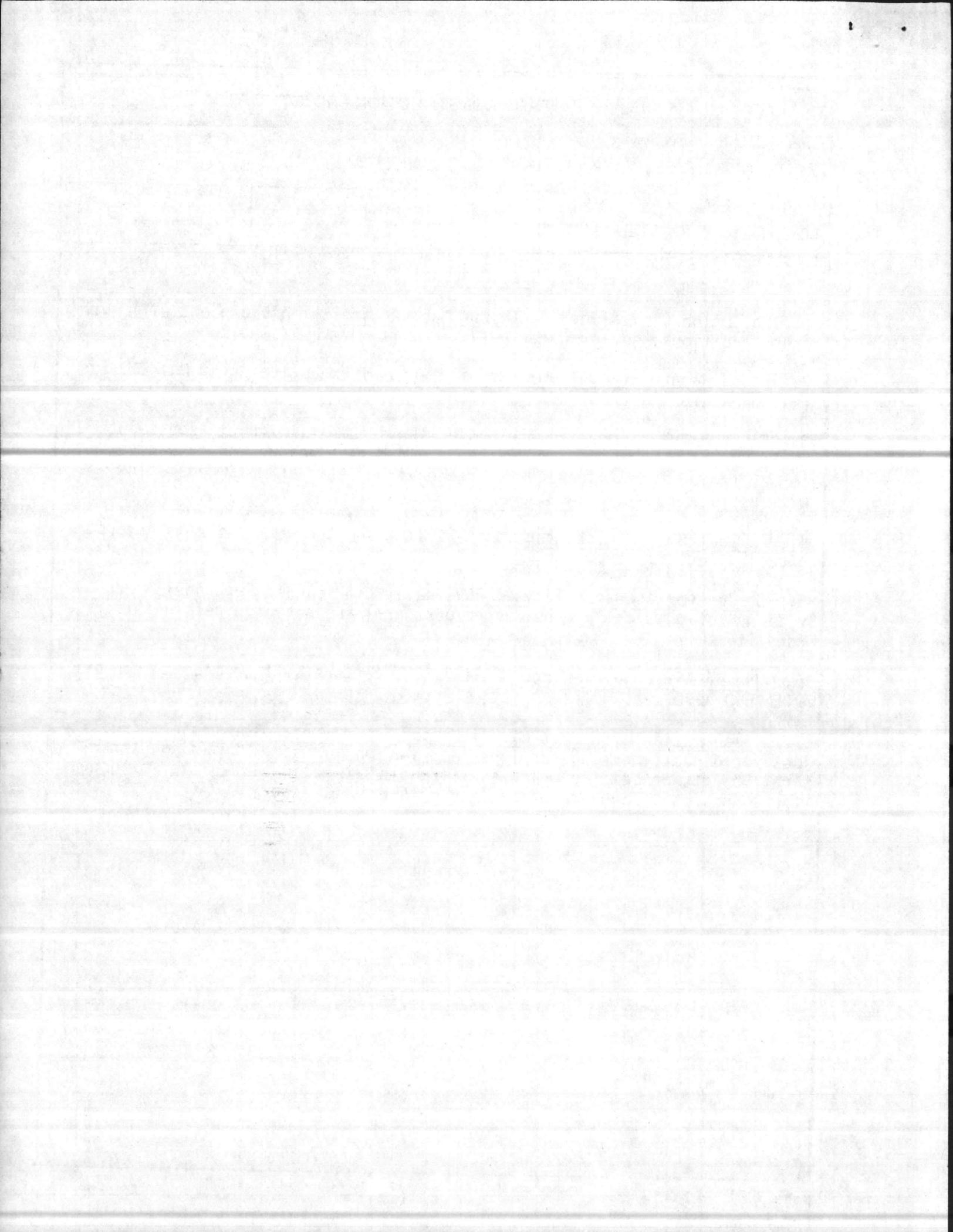
1. COMPONENT NAVY	FY 19 <u>86</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980
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3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

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

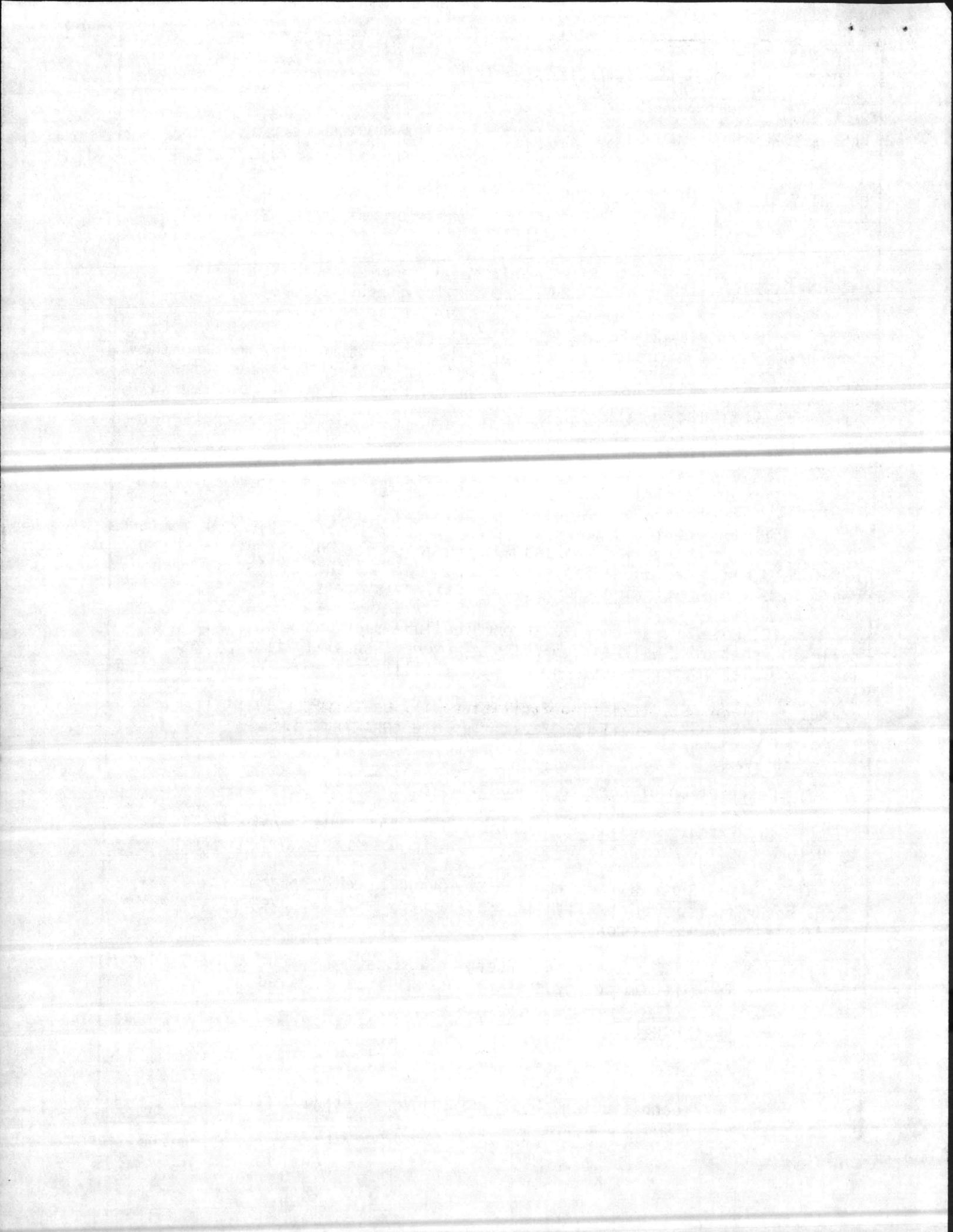
1. Pollution Prevention, Abatement, and Control: This project will not cause additional air or water pollution.
2. Flood Hazard Evaluation: Requirements of Executive Order No. 11296 (Flood Hazards) are not applicable.
3. Environmental Impact: The project Environmental Impact Assessment has been made, 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.
5. 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.



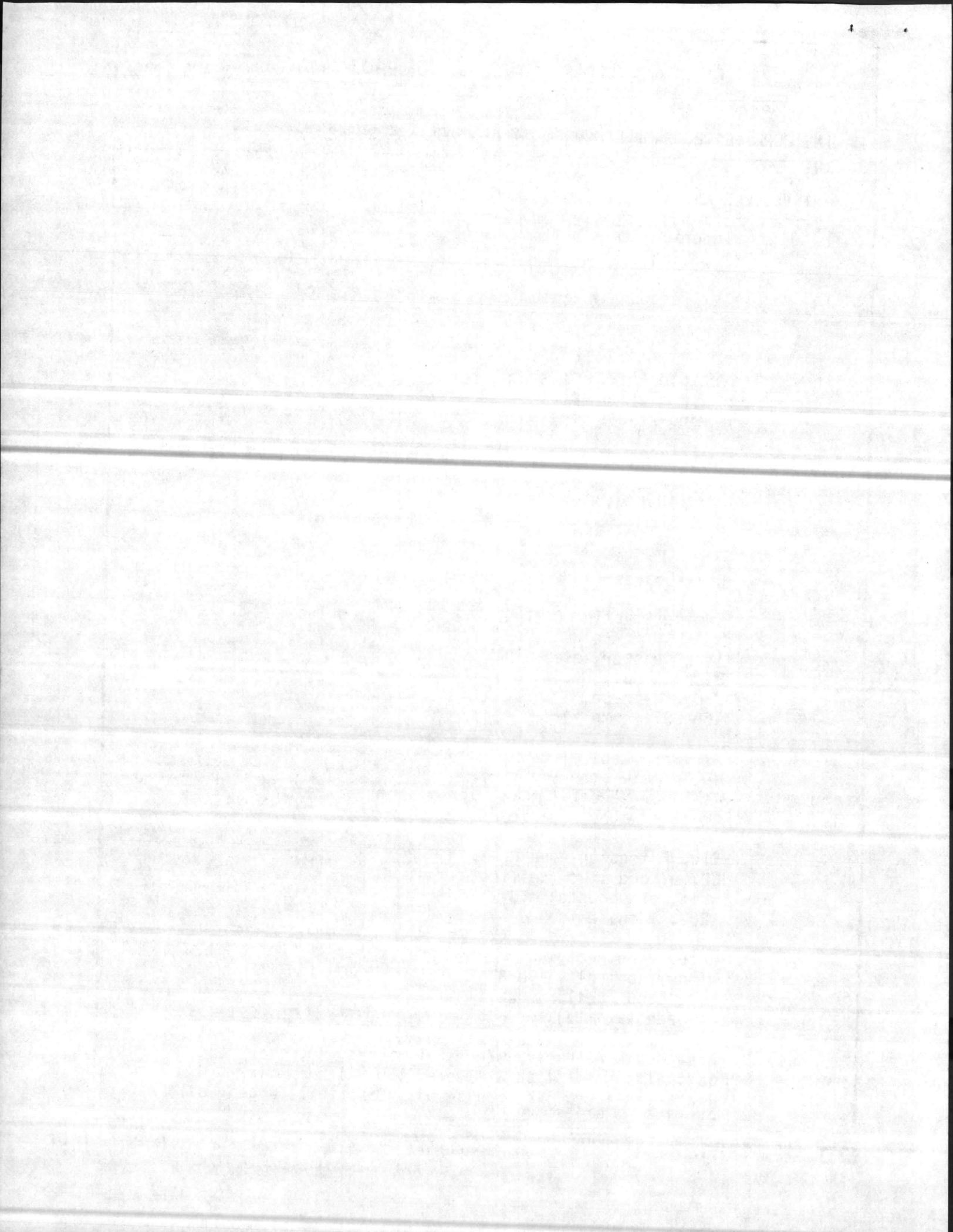
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FACILITY STUDY

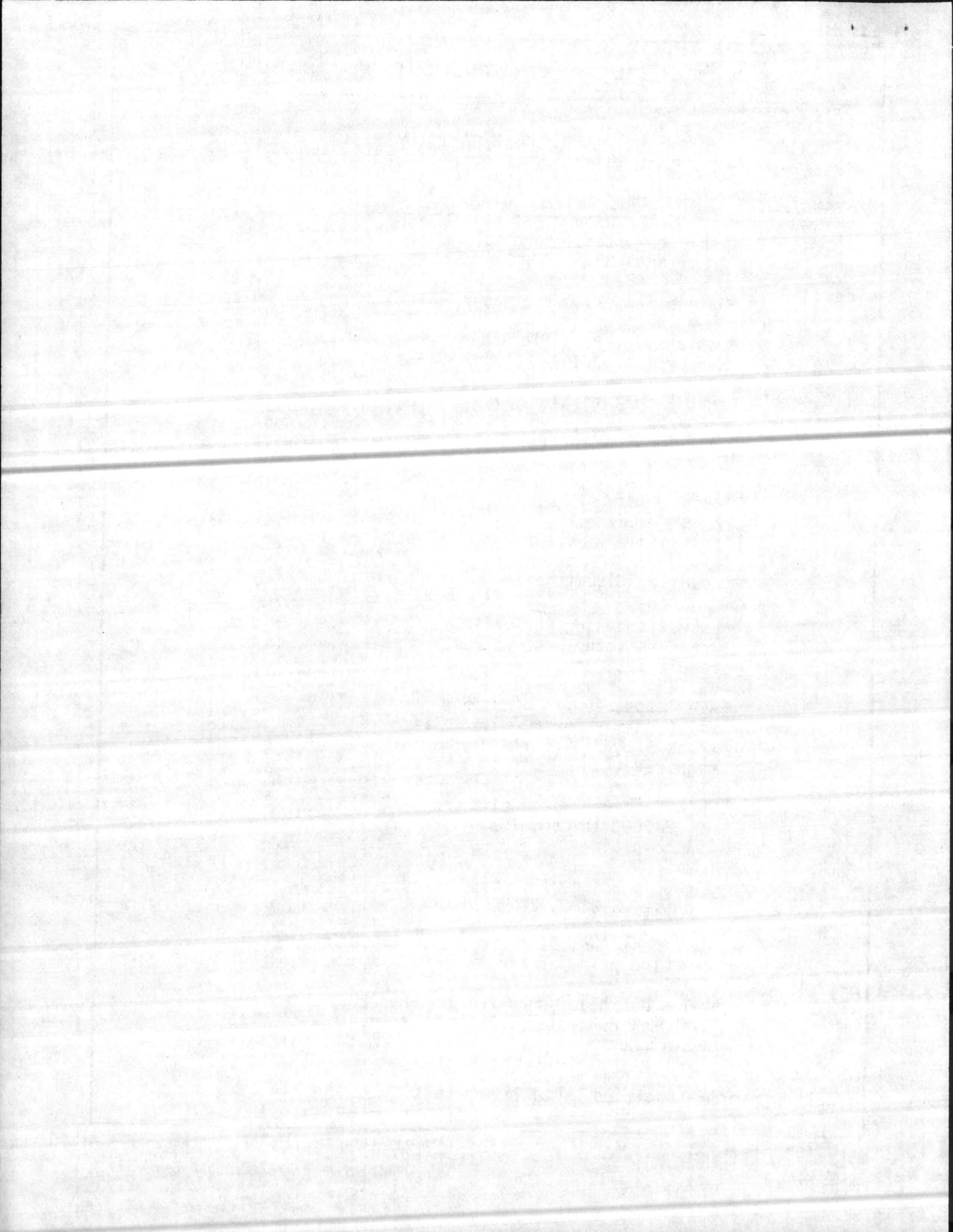
1. Project. Provide a Combat Vehicle Maintenance Shop for the 8th Communication Battalion of the 2d Force Service Support Group.
2. Current and Planned Future Workload with Regard to this Project. The percentage of usage for this facility is 100 percent of the time, and the duration of need is indefinite. 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 Shop. 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.
 - *Venetian blinds and window screens
 - *Air conditioning, heating, and ventilating systems



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4. PROJECT TITLE COMBAT VEHICLE MAINTENANCE SHOP	5. PROJECT NUMBER P-027	
<ul style="list-style-type: none"> *Interior steam system *Plumbing System *Compressed Air System *Used Oil System *Vehicle Fueling System *Sprinkler System *Telephone, Fire Alarm, and Intercom Systems *Drinking Water Coolers *Lockers *Chalkboards *Engine Starting Outlets; 12, 24, & 36 volts *Tire Changer, elec-air, Bishman Co., fractional HP, 280V, 3-phase, 3-wire, 150 PSI, comp air *Air Hose Reel, 150 psi, HD, w/hose stop (ceiling, wall, or pedestal mounted), provide water separator *Elec Extension Cord Reel, HD, w/cord stop (ceiling, wall, or pedestal mtd), 120V, 1 phase *Water Hose Reel, HD w/hose control valve & hose stop (ceiling, wall or pedestal mtd), CW *Hose Reels Assembly, w/control valves, HD, over-head, automatic hose stops & meters, 150 PSI comp air, 1 chassis lube, 1 hydraulic oil, 2 mtr oil, 1 gear oil, provide water separator 		



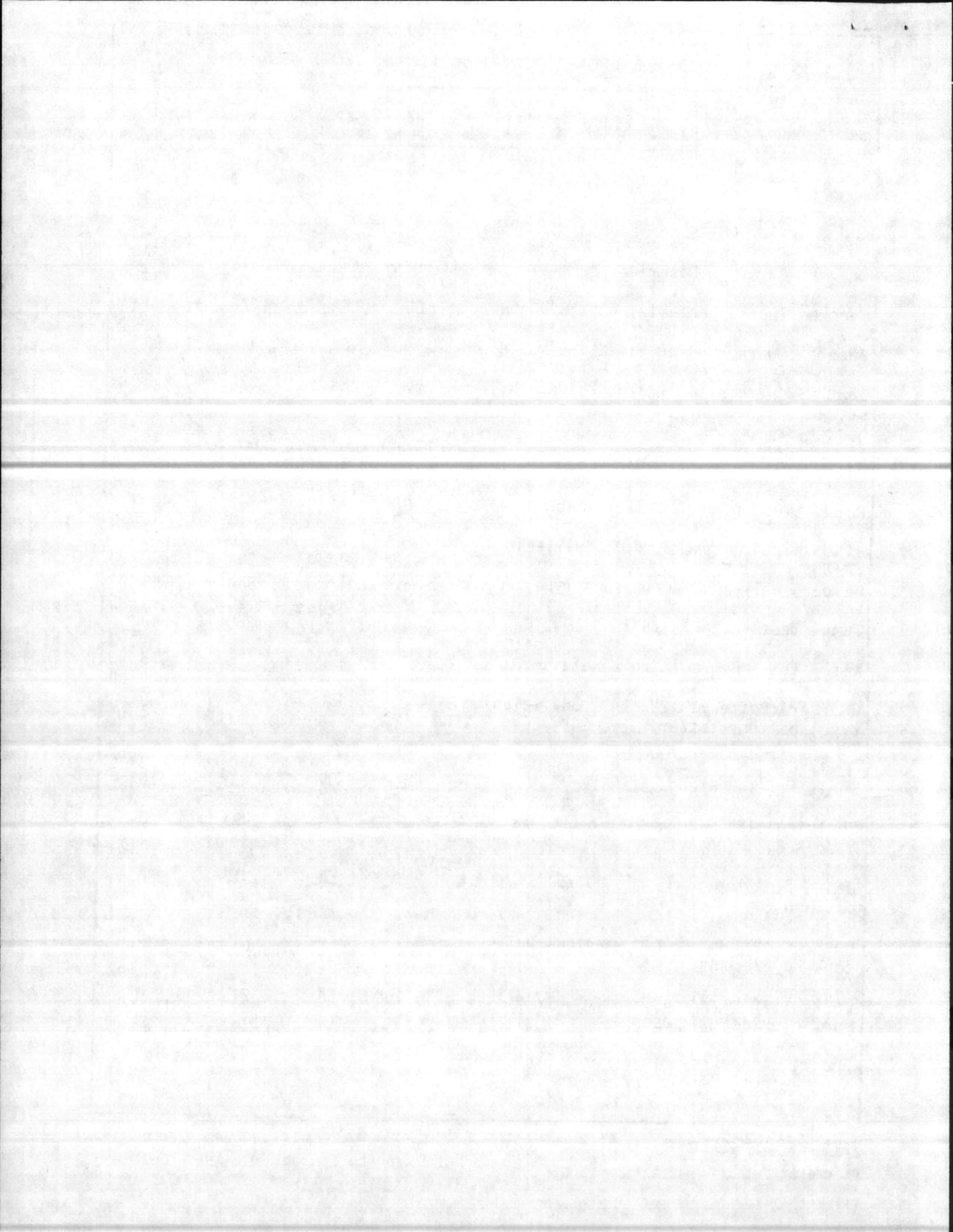
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<ul style="list-style-type: none"> *Exhaust System, overhead, fractional HP, 220V, 3-phase *Deluge Shower, w/eye wash, CW *Outlets for Portable Arc Welder (grounded) *Acid Resistant Sink, CW *Exhaust Hood (over), fractional HP, 110V, 1-phase *Pass Window, 4' wide w/counter & "B" label roll-down shutter (w/fusible link), if required *Counter, dispatcher's *Lube Dispensing Equipment, w/access (couplers, valves, regulators, etc.) *Air Pumps, 400 lb drums for oil (chassis, gear, motor oil, trans & hydraulic fluid), as required *Twin Post Pneumatic Lifts, one HD, 24,000 lb cap, 150 psi comp air *Air Compressor, 150 psi (2-stage, 32 CFM), 3-phase, 3-wire, 220V, 15 HP *Twin Post Pneumatic Lift, LD, 11,000 lb cap, 150 psi comp air *1-Ton Overhead Monorail, 1-$\frac{1}{4}$ HP, 220V, 3-phase, 60-cycle, 120V power to controls & switches <p>*Equipment with associated installation cost.</p>		



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

(b) Expense Items

<u>Description</u>	<u>Qty</u>	<u>Unit of Issue</u>	<u>Unit Price</u>	<u>Total Cost</u>
Benches, work, portable, 48"x28"x34"H	20	EA	\$225	\$4,500
Benches, work, portable, 72"x28"x34"H	6	EA	340	2,040
Benches, work, stationary, 28"Cx34"H, steel top, standard, lead covered in battery shop	6	EA	375	2,250
Bins, parts, adj. shelving, 14"Wx24"D	8	EA	75	600
Rack, tire storage, 3-tiers high	2	EA	710	1,420
Bins, parts, rota, 3' dia, multi-bin	10	EA	360	3,600
Saw, power, hack, 1½ HP, 220V, 3-phase	1	EA	600	600
Welder, Heli-arc, AC/DC shop type, 300 AMP	1	EA	500	500
Vulcanizer, tire, HD, vulcanizing molds	1	EA	1,120	1,120
Tank, test (water), 24"x50"x18", CW	1	EA	360	360
Kit, acetylene, cutting & welding	1	EA	475	475
Charger, battery, 12V, 24V, 36V selenium type; battery tester, 12V, 24V, 36V, 2.2KW, 110/220V	2	EA	550	1,100
Shelving, 14" w/adj. standards	6	EA	120	720
Shelving, 12" w/adj. std, 6 shelves, 36" wide & 84" high	6	EA	90	540
Desk, flat top, dbl ped, 60"x30", walnut pattern top, no overhang	6	EA	315	1,890
Desk, flat top, 45"x30", walnut pattern top, no overhang	6	EA	240	1,440
Desk, flat top, w/attachment, f/sect. & gen. clerical purposes	6	EA	275	1,650
Chair, rotary, tilting seat & back, adj. seat height, w/arms, w/casters	12	EA	94	1,128

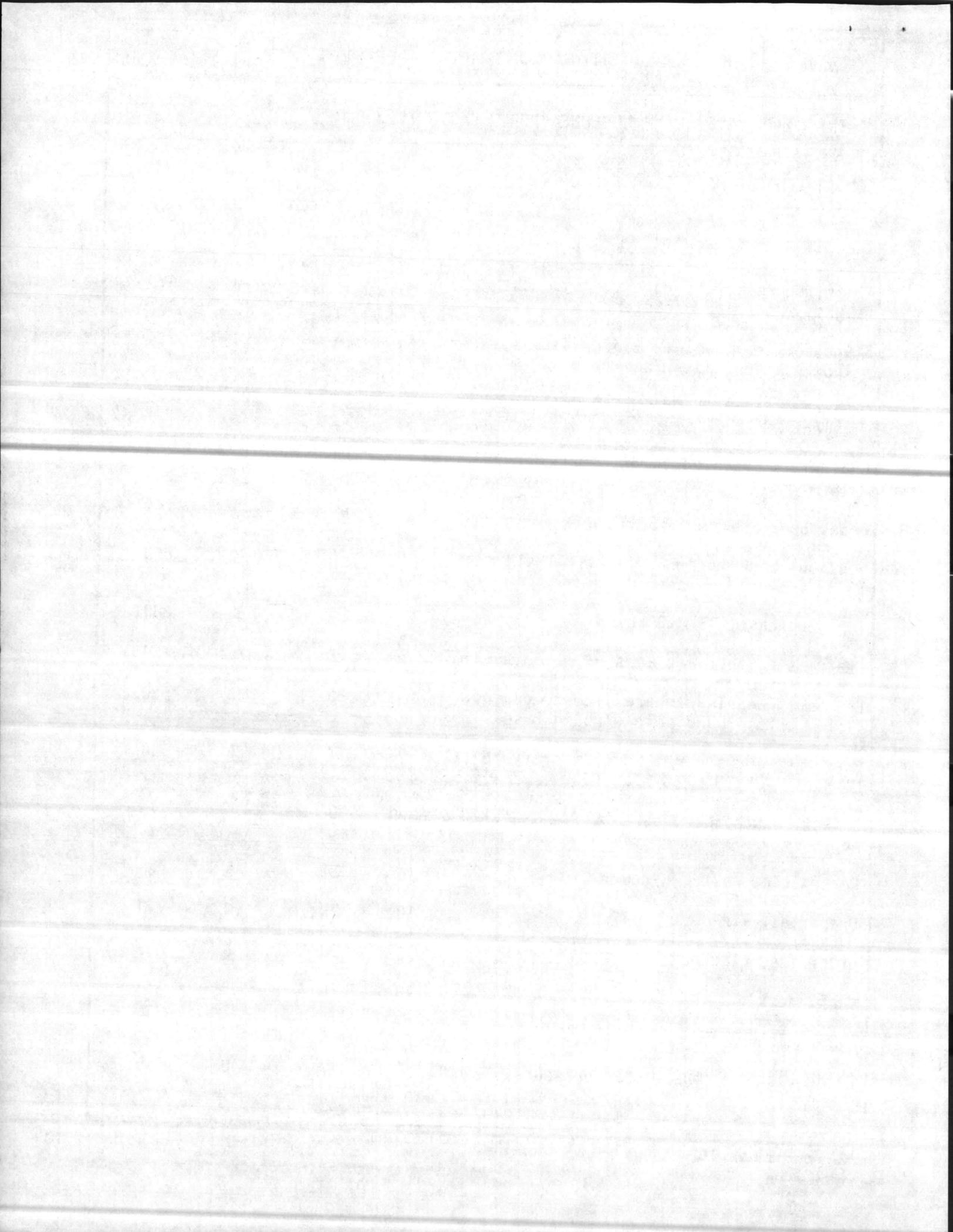


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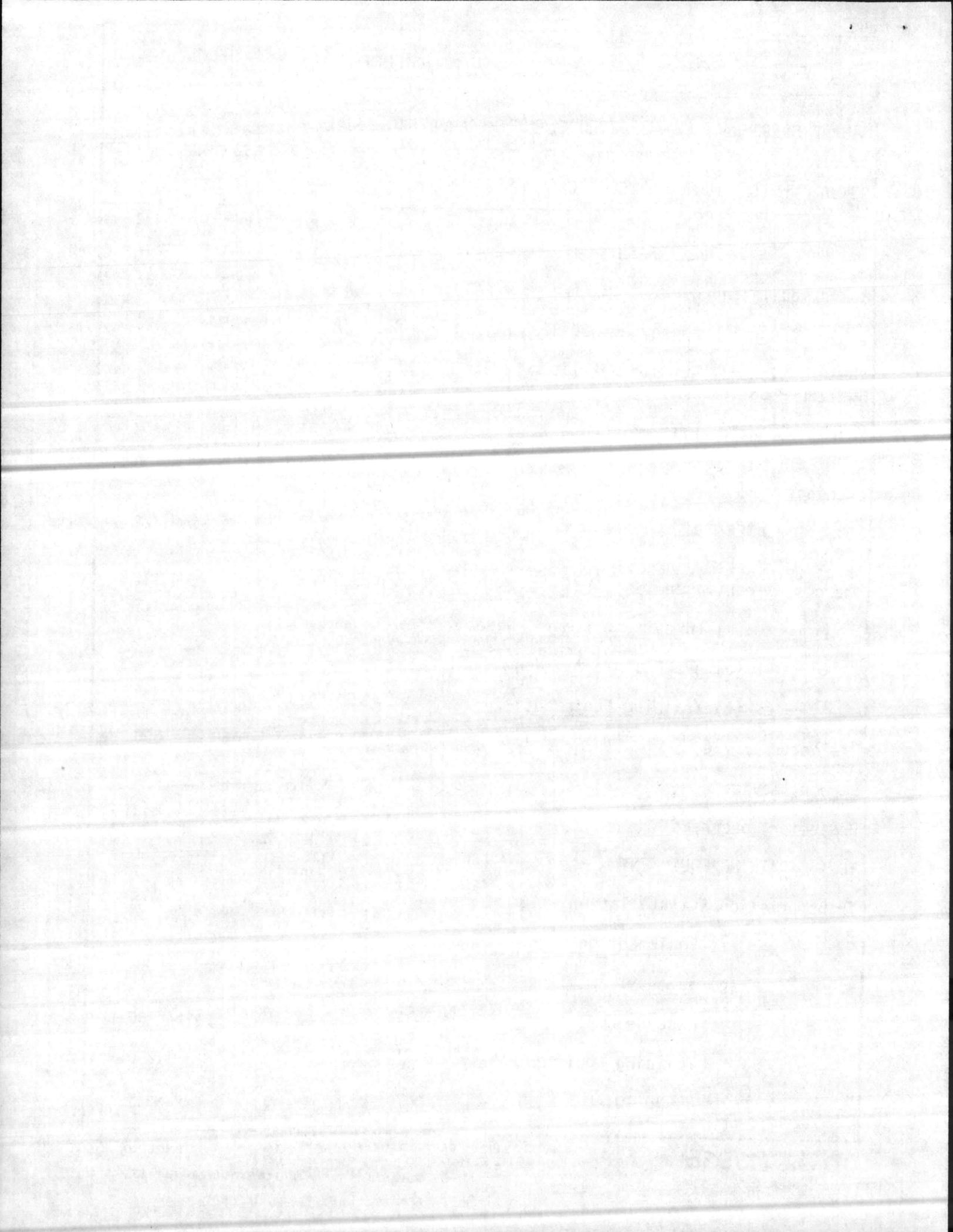
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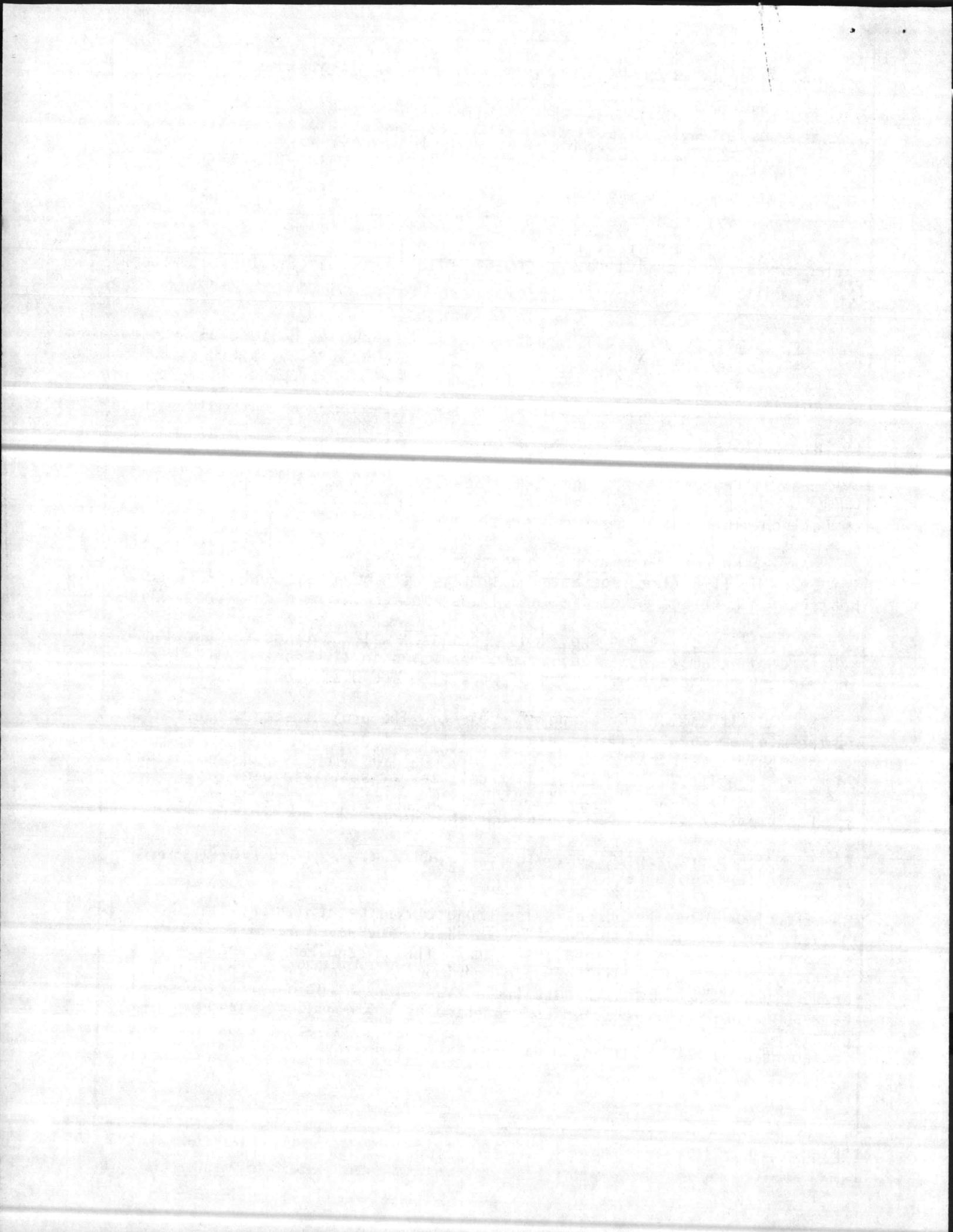
<u>Description</u>	<u>Qty</u>	<u>Unit of Issue</u>	<u>Unit Price</u>	<u>Total Cost</u>
Chair, secretarial, rotary, adj. seat height, w/o arms, w/casters	6	EA	70	420
Stand, office machine, 2 drop leaves, walnut pattern top, w/casters	4	EA	66	264
Cabinet, filing, 5-drawer, legal size, w/o lock	6	EA	220	1,320
Cabinet, storage, dbl. dr., 36"x18"x80-9/16"H	6	EA	190	1,140
Base, bookcase, 33"x13"x10"H	14	EA	20	280
Section, bookcase, w/o doors, 31"x12"x14"H	42	EA	40	1,680
Top, bookcase, 33"x13"x2 1/4"H	14	EA	20	280
Chair, straight, w/o arms	18	EA	75	1,350
Costumer, wearing apparel, contemporary, 4 dbl hooks, round pole w/round base	18	EA	35	630
Rack, wearing apparel, contemporary, 6 mtl hangars, 78"x30"Lx20"D at base	6	EA	85	510
Basket, wastepaper, dark brown, 14 1/2"Hx13"dia. top	20	EA	6	120
Receptacle, waste, w/cover	16	EA	45	720
Draperies, lined	10	PR	74	740
Draperies, blackout	3	PR	95	285
Lamp, desk	18	EA	45	810
Extinguisher, fire, 15 lb., CO ₂	14	EA	85	1,190
Extinguisher, fire, water pressure, 2 1/2 gal.	14	EA	40	560

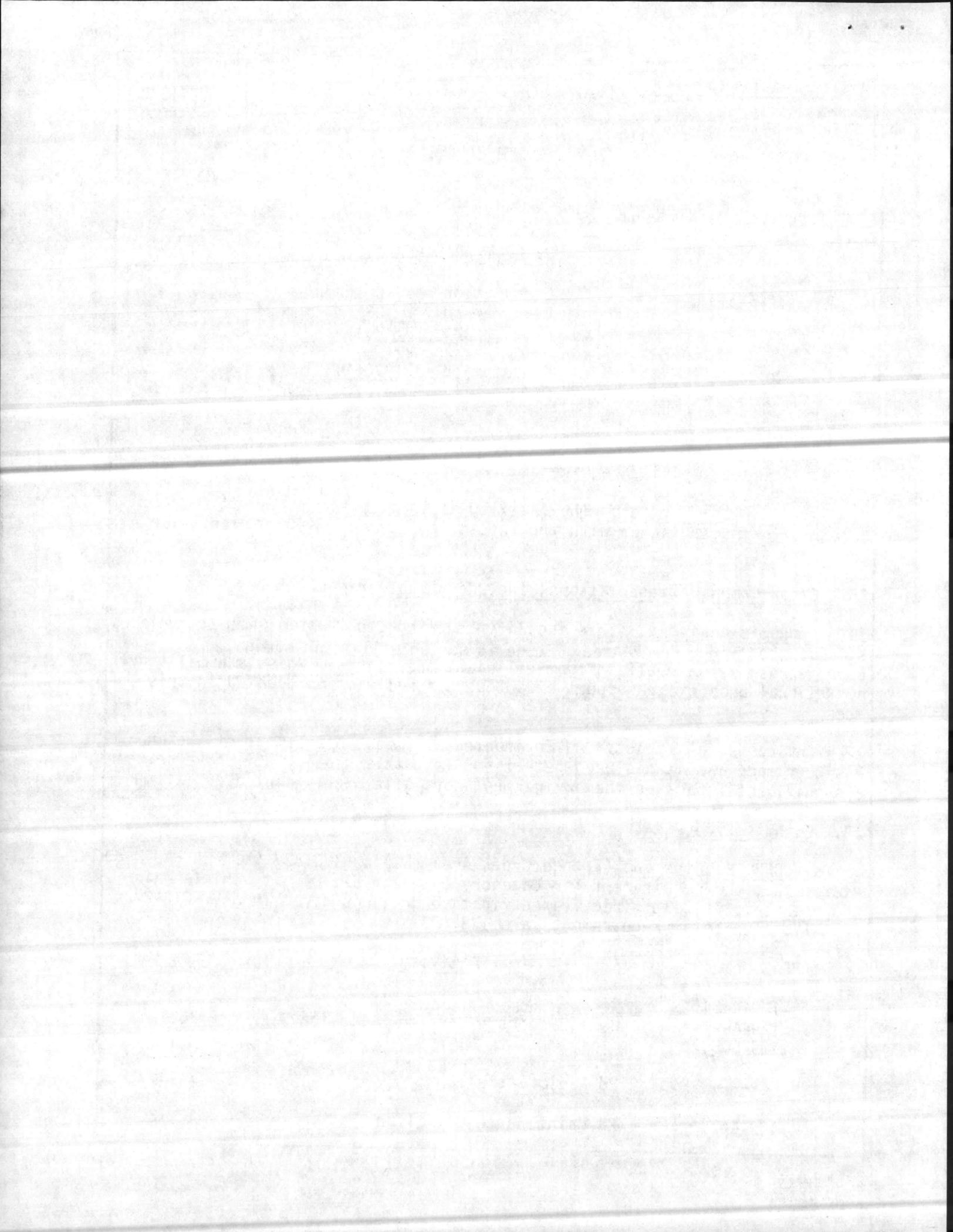


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		<u>Description</u>	<u>Qty</u>	<u>Unit of Issue</u>	<u>Unit Price</u>	<u>Total Cost</u>
		Board, bulletin, cork, alum. frame, 4'x6'	6	EA	65	390
		Table, general purpose, 60"x30"x29½"H	4	EA	105	420
		Chairs, student, Heywood Wakefield Model HC-7730-PABS-PP	26	EA	70	1,820
		Easel, portable, w/frame	2	EA	85	170
		Racks, security, for tool boxes, 24 openings	4	EA	2,000	8,000
		TOTAL EXPENSE ITEMS				\$49,122
		Shipping, packing, handling, installation charges, & contingencies - 10%				\$ 4,912
		(c) <u>Investment Items</u> : None				
		(d) <u>APA Equipment</u> : None				
		(e) <u>Training Equipment</u> :				
		Projector, movie	1	EA	650	650
		Screen, movie	1	EA	235	235
		Projector, overhead	1	EA	375	375
		TOTAL TRAINING EQUIPMENT				\$1,260
		Transportation & installation - 10%				126
		(f) <u>Equipment on Hand</u> : None				
		(g) <u>Summary</u> :				
		Expense Cost				\$54,160
		Training Equipment				1,260
		GRAND TOTAL				\$55,420



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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	
<p>(4) <u>Supporting Facilities.</u> Special piling, foundation, waste water collection system, collateral equipment, site improvement, solar hot water system, pollution abatement.</p> <p>4. <u>Cost Estimate.</u> Area cost factor for Camp Lejeune, N. C. is 0.95. Cost data derived from the Military Construction Cost Review Guide, FY-82 (DOD 4270.1-CG), and escalated to FY-82 to provide for this proposed facility.</p> <p>5. <u>Justification for Project and for Scope of Project.</u></p> <p>a. <u>Justification for Project.</u></p> <p>(1) <u>Project.</u> Proposed facilities are required to provide the 8th Communication Battalion with adequate and secure facilities to perform combat vehicle maintenance and operations.</p> <p>(2) <u>Current Situation.</u> Personnel are working in substandard temporary WW-II Butler type metal buildings with open bays and oil space heaters for heat and makeshift facilities located in the Hadnot Point Area.</p> <p>(3) <u>Impact if not Provided.</u> 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.</p> <p>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.</p> <p>6. <u>Equipment Provided from Other Appropriations.</u> Not applicable.</p> <p>7. <u>Common Support Facilities.</u> There are no common support facilities available for the 2d FSSG.</p> <p>8. <u>Effect on Other Resources.</u> 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.</p>		





1. COMPONENT NAVY	FY 19 86 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980
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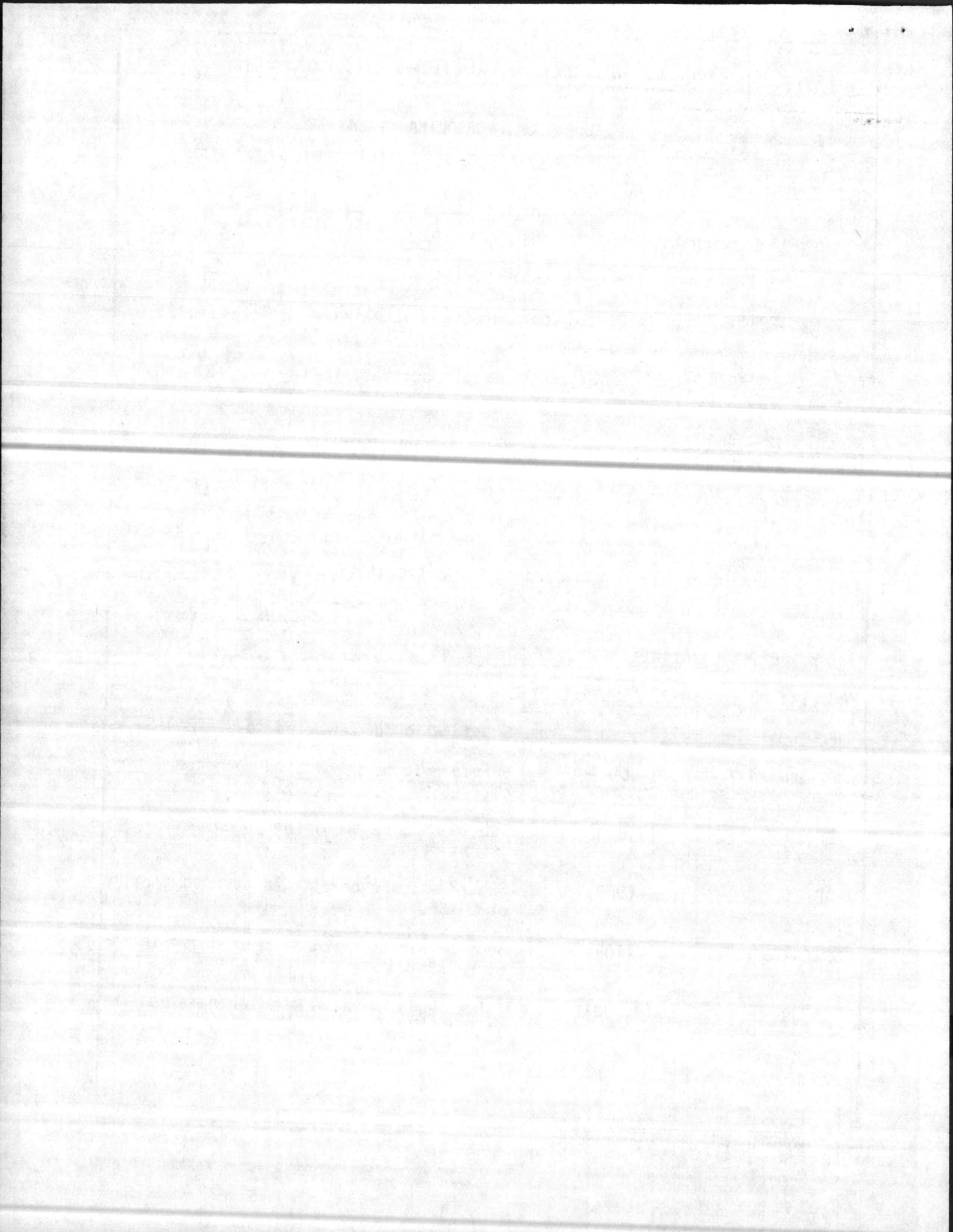
3. INSTALLATION AND LOCATION
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE COMBAT VEHICLE MAINTENANCE SHOP	5. PROJECT NUMBER P-027
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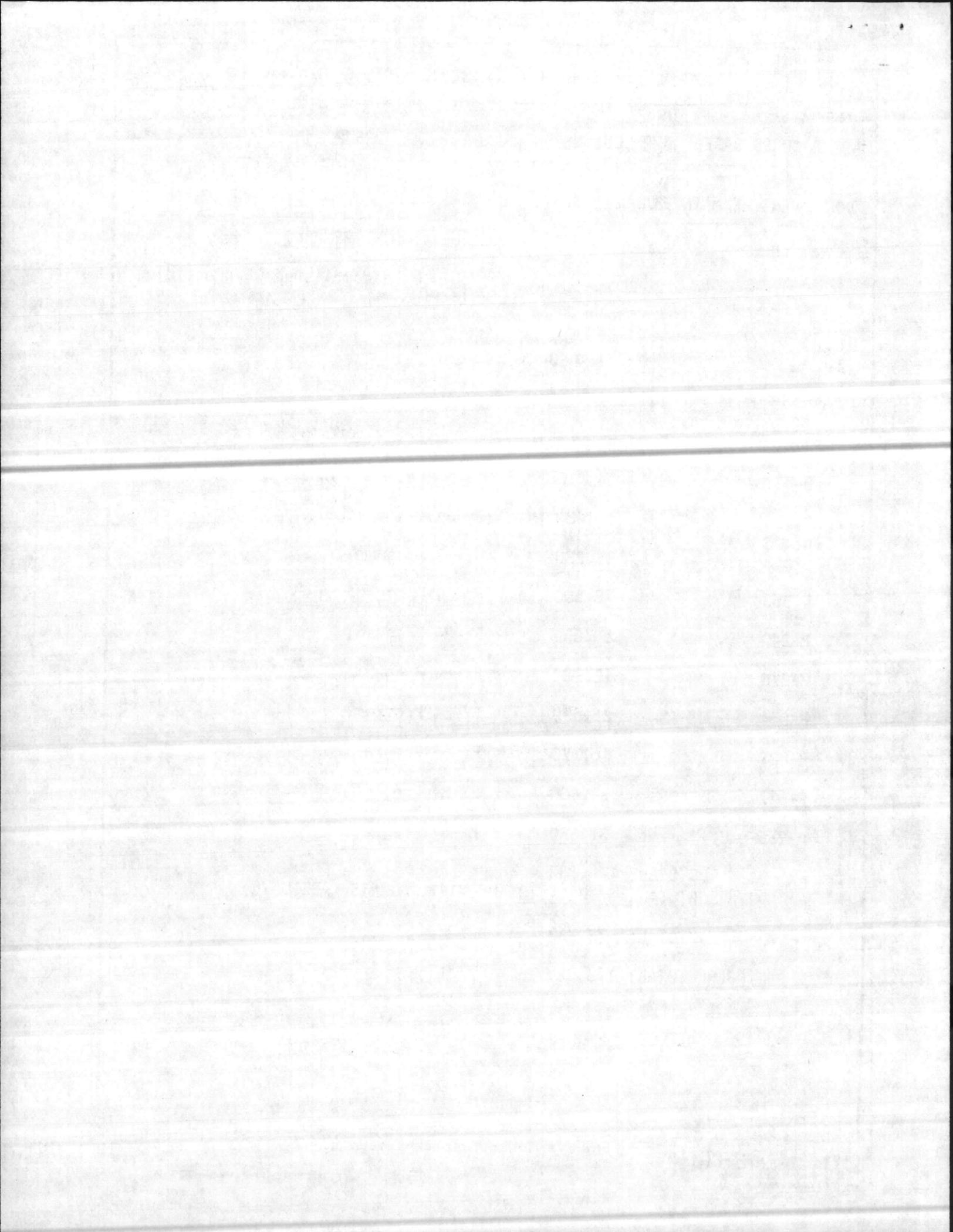
<u>NAVFAC Drawing No.</u>	<u>Activity</u>	<u>Area (SF)</u>
1293380	2d Supply Battalion	10,650
1294449	8th Communication Battalion	16,120
1294448 } 1294498 } 1294505 }	8th Engineer Support Battalion	31,680
1294446 } 1294505 }	8th Motor Transport Battalion	23,460
-	2d ANGLICO/Force Recon Company	14,413
1293376	2d Medical Battalion	8,500
1293378	2d Landing Support Battalion	<u>18,280</u>
TOTAL:		173,333

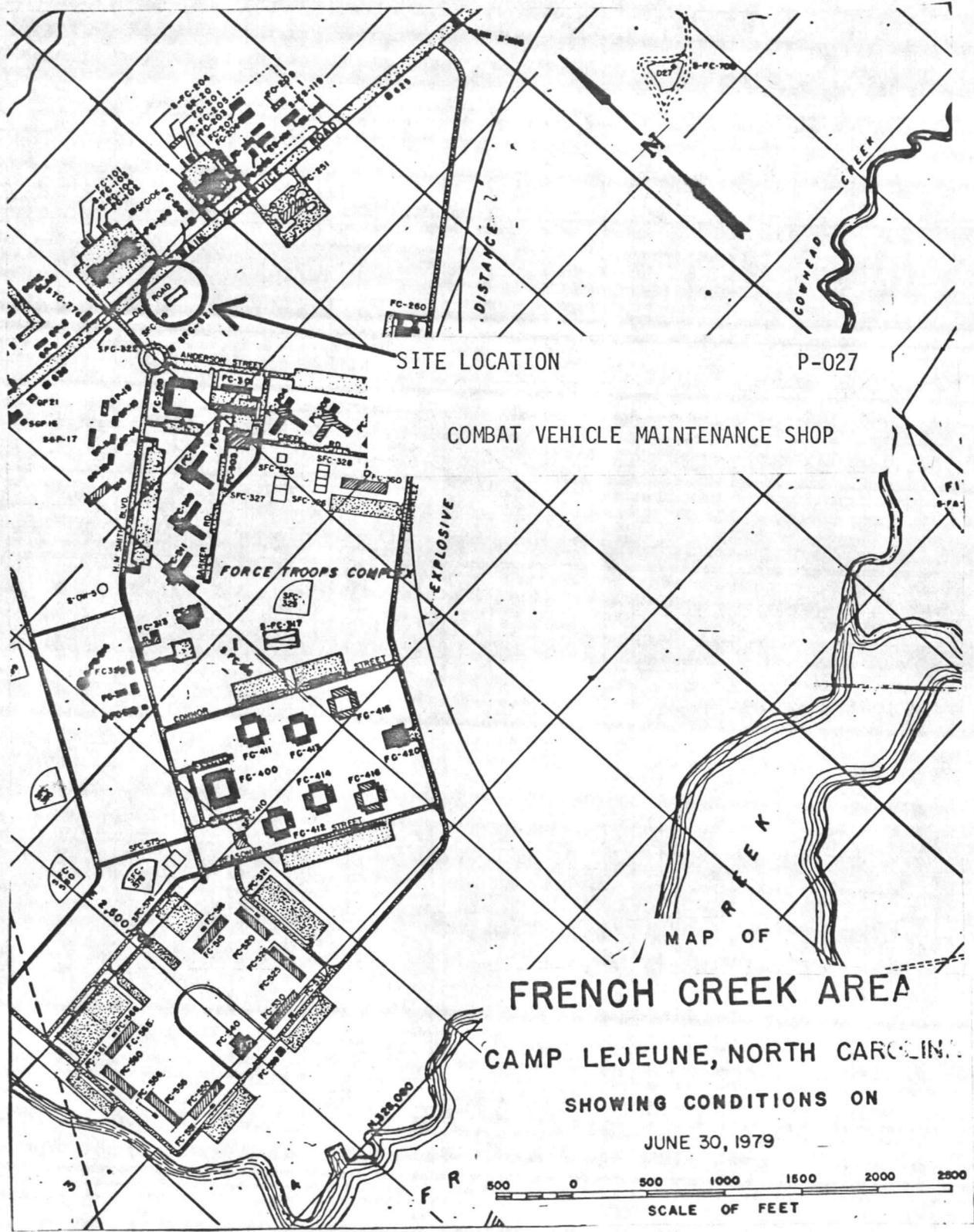
b. Existing Assets:

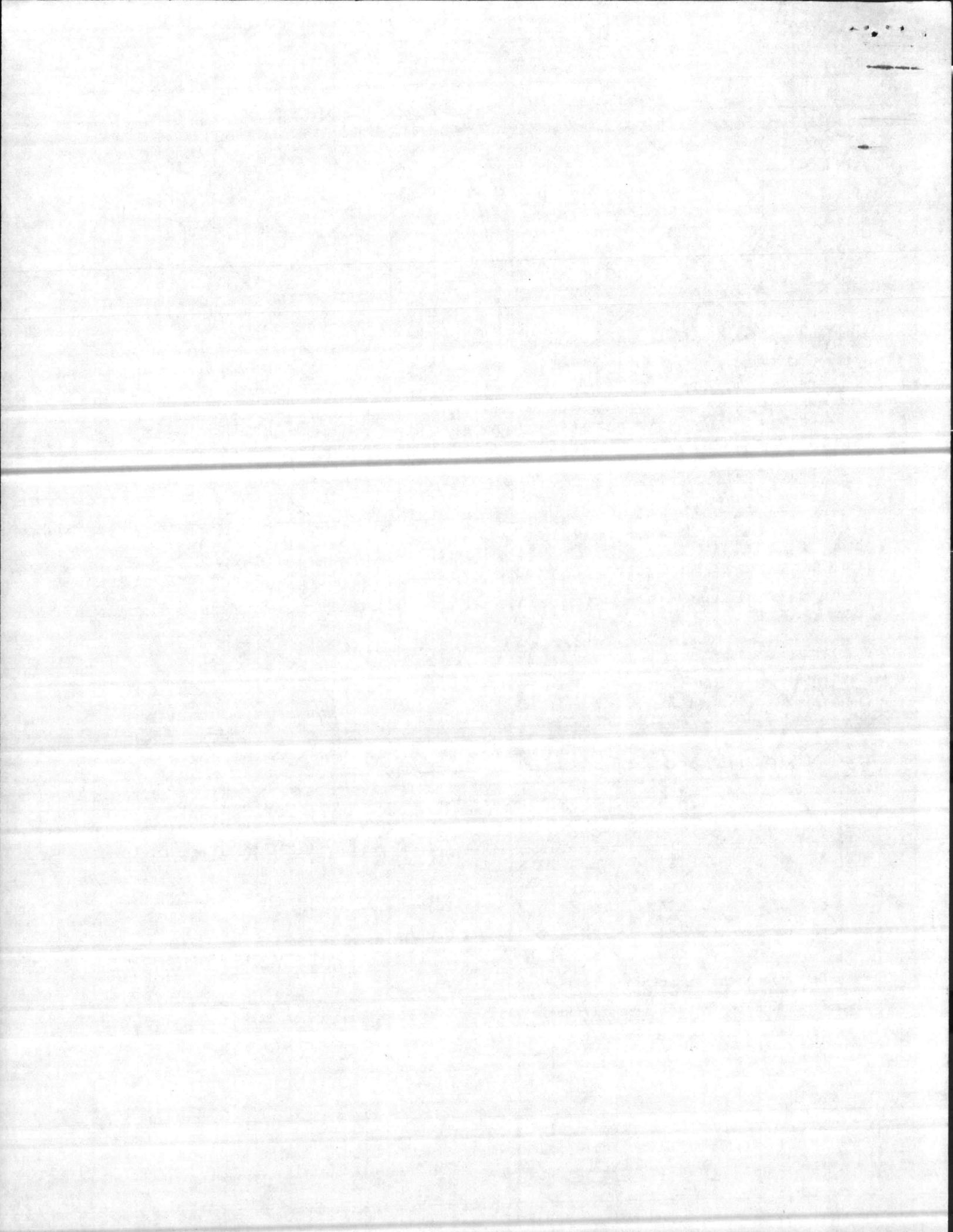
<u>FACILITY NO.</u>	<u>TOTAL ASSETS (SF)</u>	<u>REMARKS</u>
FC-100	(31,160)	Substd - To be converted to CCN 214-53.
GP-1	(4,000)	Substd - To be demolished upon completion of P-255.
GP-19	(4,000)	Substd - To be demolished when deficiency is satisfied.
GP-21	(960)	Substd - To be demolished upon completion of P-255.
STC-776	(108)	Substd - To be demolished upon completion of P-255.
739	(4,000)	Substd - To be demolished when deficiency is satisfied.



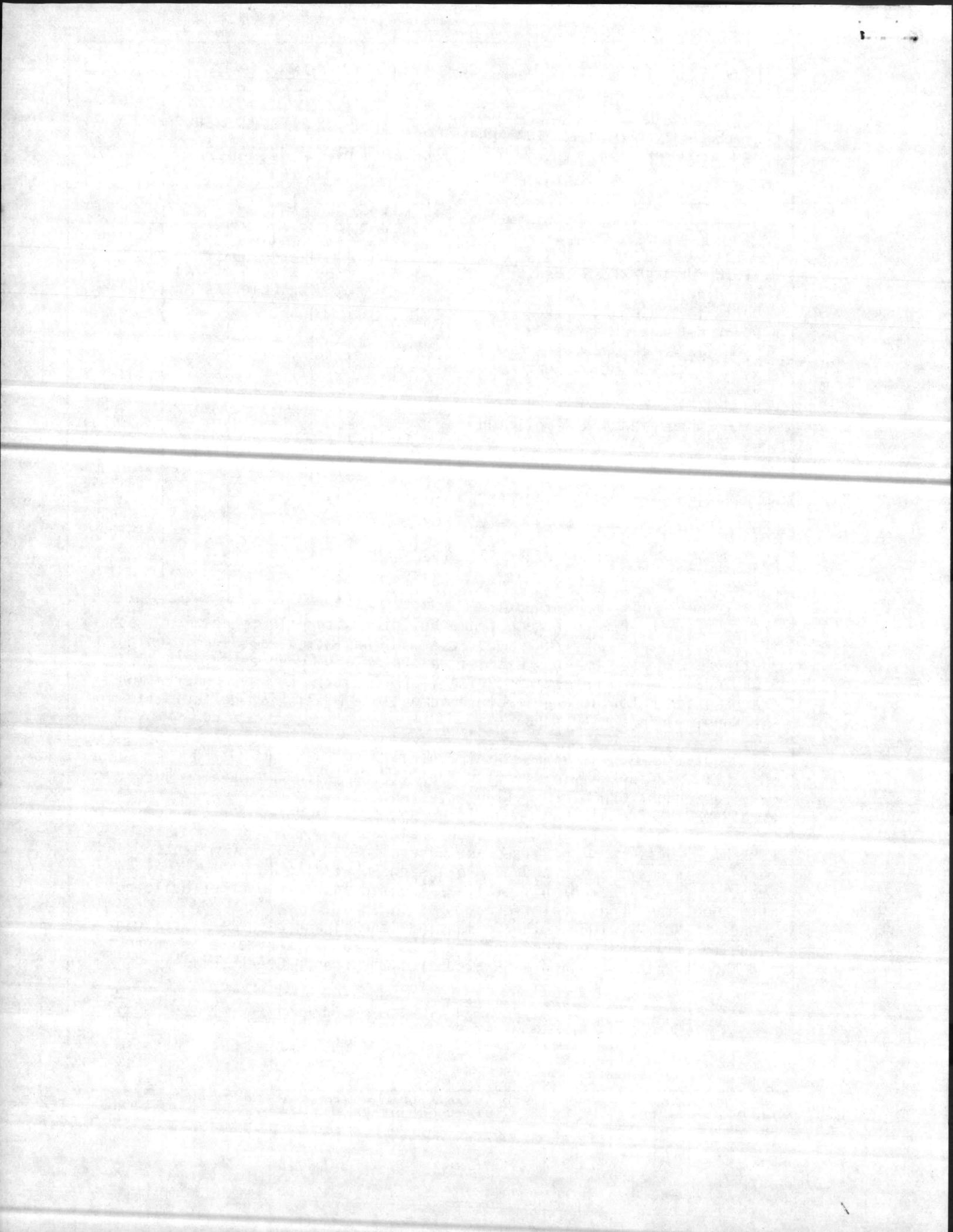
1. COMPONENT NAVY		FY 19 ⁸⁶ MILITARY CONSTRUCTION PROJECT DATA		2. DATE 1 AUG 1980
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542				
4. PROJECT TITLE COMBAT VEHICLE MAINTENANCE SHOP			5. PROJECT NUMBER P-027	
<u>FACILITY NO.</u>	<u>TOTAL ASSETS (SF)</u>	<u>REMARKS</u>		
746	(960)	Substd - To be demolished when deficiency is satisfied.		
TOTAL FOR CCN 214-51:	(45,188) 0	SUBSTANDARD ADEQUATE		
c. <u>Planned Facilities.</u>				
<u>PROJ. NO.</u>	<u>AREA (SF)</u>	<u>STATUS</u>		
P-533	14,413	Completed; not in 10651.		
P-255	11,480	Under construction.		
P-562	18,280	FY-83 Program.		
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-87 Program.		
P-266	31,680	FY-87 Program.		
SUBTOTAL: 173,333		PLANNED		
SUBTOTAL: 0		TOTAL EXIST. ASSETS (ADEQUATE)		
TOTAL: 173,333				
BFRL TOTAL: 178,827				



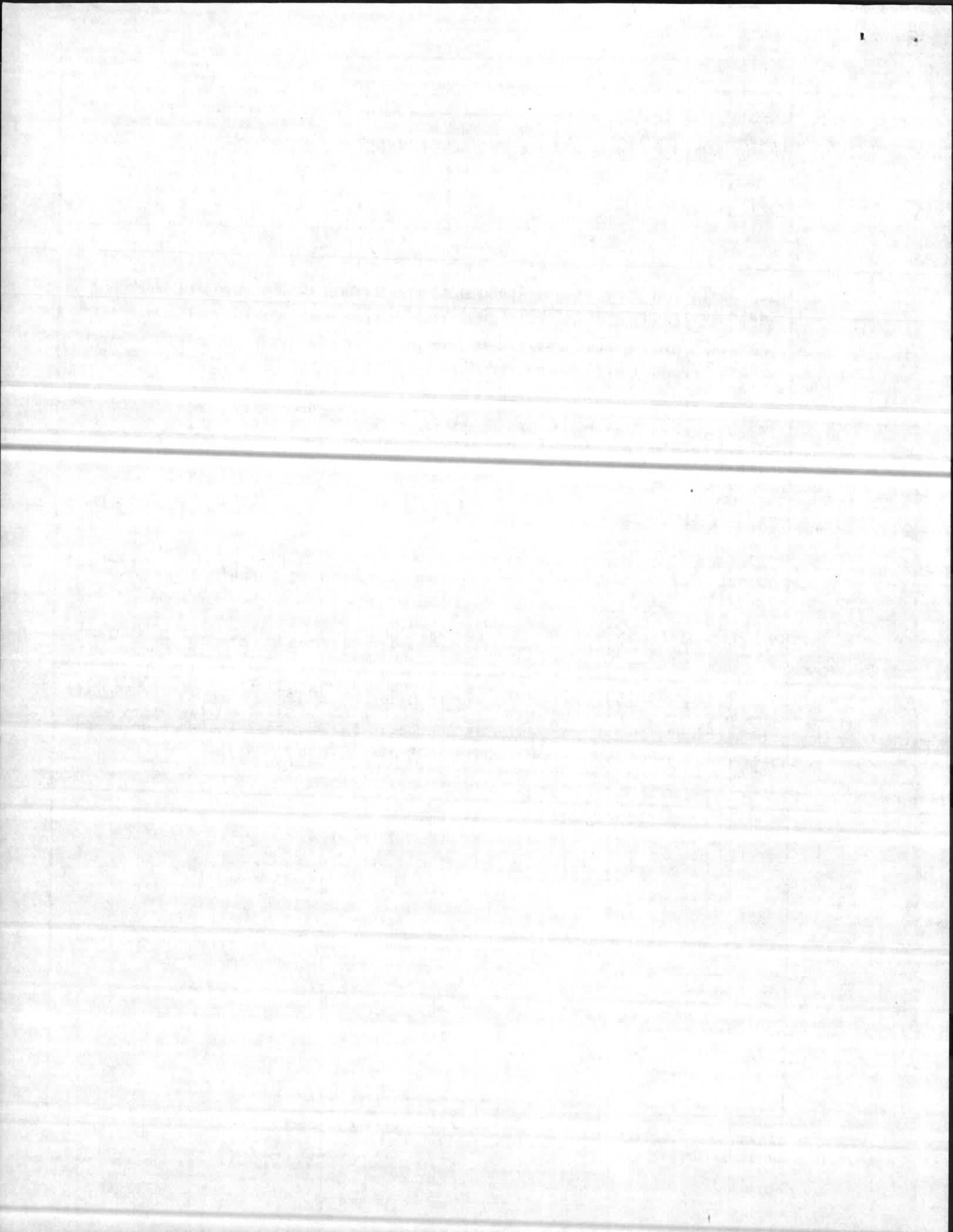




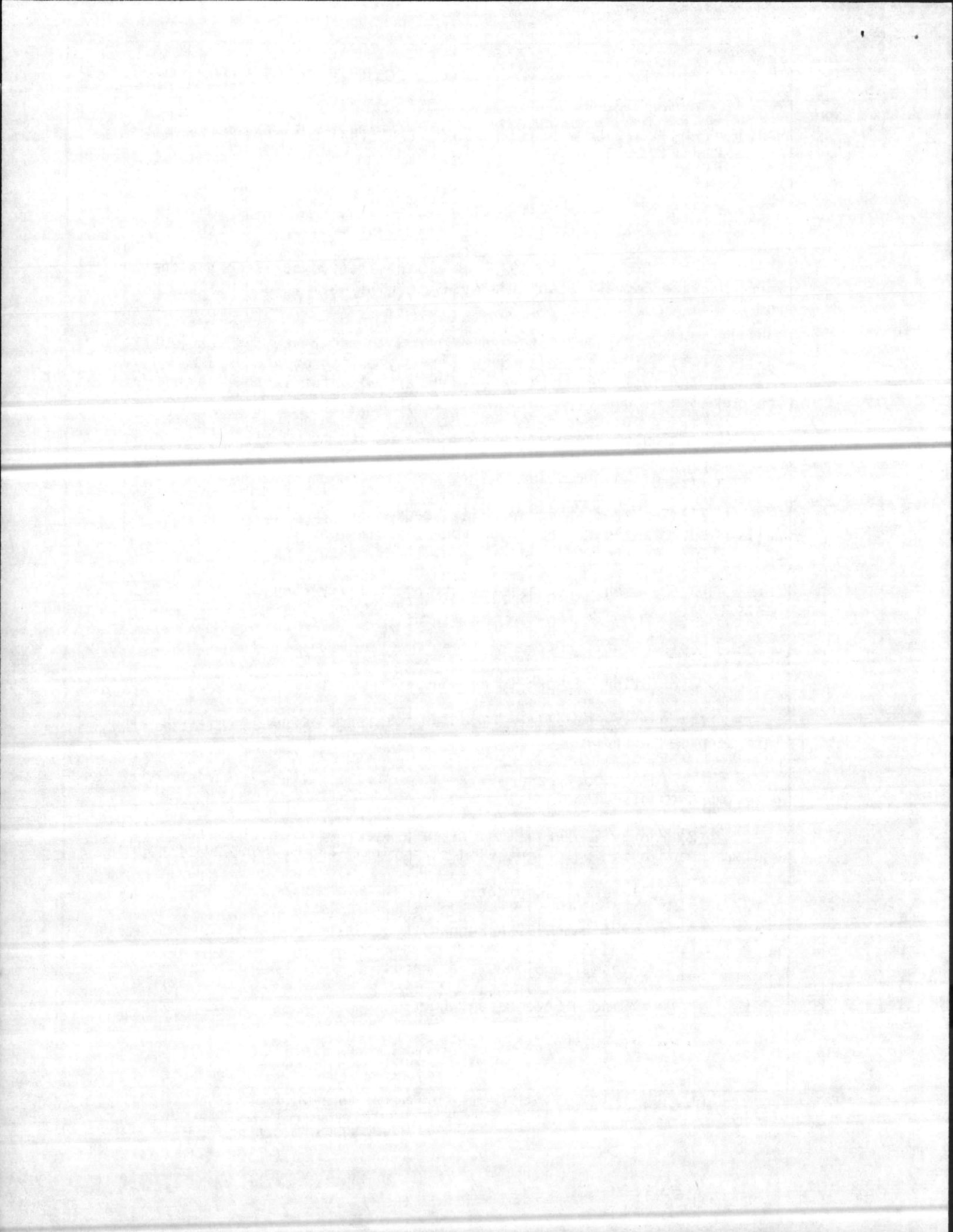
1. COMPONENT NAVY		FY 1986 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 1 AUG 1980	
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA 28542				4. PROJECT TITLE 2D FSSG HEADQUARTERS		
5. PROGRAM ELEMENT		6. CATEGORY CODE 610-70	7. PROJECT NUMBER P-057		8. PROJECT COST (\$000) 3,700	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
DIVISION HEADQUARTERS (MARCOR)		SF	41,919	59.69	2,502	
Building		SF	41,919	55.00	(2,306)	
Built-in Equipment		LS			(81)	
Solar Hot Water System		LS			(115)	
SUPPORTING FACILITIES		-			795	
Special Construction Features		LS			(91)	
Utilities		LS			(277)	
Roads, Parking, Sidewalks		LS			(288)	
Site Improvements & Demolition		LS			(139)	
SUBTOTAL					3,297	
CONTINGENCY (5%)					165	
TOTAL CONTRACT COST					3,462	
SUPERVISION, INSPECTION & OVERHEAD (5.5%)					190	
TOTAL REQUEST					3,652	
TOTAL REQUEST (ROUNDED)					3,700	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS					-	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
<p>Two-story reinforced concrete frame building with pile foundation, masonry walls, concrete floors, built-up roof and insulation, air conditioning, heating, solar hot water system, fire protection, pavements, exterior lighting, utility connections, site improvements. Energy conservation features and exterior architecture compatible with existing facilities. Air Conditioning: 140 tons</p>						
<p>11. REQUIREMENTS: 41,919 SF. ADEQUATE: 0 SUBSTANDARD: 0 PROJECT: Provides administration facility for Headquarters, 2d Force Service Support Group, FMF Atlantic. REQUIREMENT: Administration building space is required for the Commanding General and his staff in the French Creek area. CURRENT SITUATION: The Commanding General of 2d FSSG, FMF Atlantic, and part of his staff are crowded into a single building in the central base area. The remainder of his staff is located in various other buildings throughout the Hadnot Point area. IMPACT IF NOT PROVIDED: The Commanding General and his staff will continue to utilize space designed for other purposes scattered throughout the Hadnot Point area and separated from the French Creek complex.</p>						
LCH						



1. COMPONENT NAVY	FY 19 ⁸⁵ MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE 2D FSSG HEADQUARTERS		5. PROJECT NUMBER P-057
<p style="text-align: center;"><u>SPECIAL CONSIDERATIONS</u></p> <ol style="list-style-type: none"> 1. <u>Pollution Prevention, Abatement, and Control</u>: This project will not cause additional air or water pollution. 2. <u>Flood Hazard Evaluation</u>: Requirements of Executive Order No. 11296 (Flood Hazards) are not applicable. 3. <u>Environmental Impact</u>: The project Environmental Impact Assessment has been made, reviewed, and where required, the design concepts give consideration to eliminating adverse environmental effects consistent with applicable directives. 4. <u>Fallout Shelter Construction</u>: Fallout shelter protection is incorporated in the facility. 5. <u>Design for Accessibility of Physically Handicapped Personnel</u>: Provisions for physically handicapped personnel are not required in this facility. 6. <u>Use of Air Conditioning</u>: Ceiling "U" factors will be made to conform with DOD 4270.1-M. 7. <u>Preservation of Historical Sites and Structures</u>: The project facility does not directly or indirectly affect a district, site, building, structure, object, or setting which is listed in the National Register or otherwise possesses a significant quality of American history. 		



1. COMPONENT NAVY	FY 19 <u>85</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE 2D FSSG HEADQUARTERS		5. PROJECT NUMBER P-057
<p style="text-align: center;"><u>FACILITY STUDY</u></p> <p>1. <u>Project.</u> Provides 41,919 SF of administrative building for the 2d Force Service Support Group (2d FSSG), FMF Atlantic, Commanding General and staff.</p> <p>2. <u>Current and Planned Future Workload with Regard to This Project.</u> The facility will be utilized on a 24 hour day basis seven days a week: full strength for 10 to 12 hours daily and partially for 12 to 14 hours daily. The duration of need for this facility is indefinite.</p> <p>3. <u>Description of Proposed Construction.</u></p> <p style="padding-left: 2em;">a. <u>Type of Construction.</u></p> <p style="padding-left: 4em;">(1) Two story modular reinforced concrete, pile foundation, masonry walls, concrete floors, built-up roof, insulation, interior utility systems, etc.</p> <p style="padding-left: 4em;">(2) Pavements, exterior lighting, utility connections, site improvements, etc.</p> <p style="padding-left: 2em;">b. <u>Replacement.</u> Not applicable.</p> <p style="padding-left: 2em;">c. <u>Description of Work to be Done.</u></p> <p style="padding-left: 4em;">(1) <u>Primary Facility.</u> Modular reinforced concrete/masonry structure on pile foundation.</p> <p style="padding-left: 6em;">(a) <u>Support Facility.</u> Pavements, lighting, exterior utilities, site improvements, etc.</p> <p style="padding-left: 4em;">(2) <u>Energy Conservation.</u> This project will utilize energy efficient equipment and building orientation for maximum energy conservation.</p> <p style="padding-left: 4em;">(3) <u>Collateral Equipment.</u></p> <p style="padding-left: 6em;">(a) <u>Built-in (MCON Funded)</u></p> <p style="padding-left: 8em;">*Venetian Blinds and Shades</p> <p style="padding-left: 8em;">*Window Screens and Doors</p> <p style="padding-left: 8em;">*Drinking Water Coolers</p>		



1. COMPONENT NAVY	FY 19 <u>85</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980
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3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

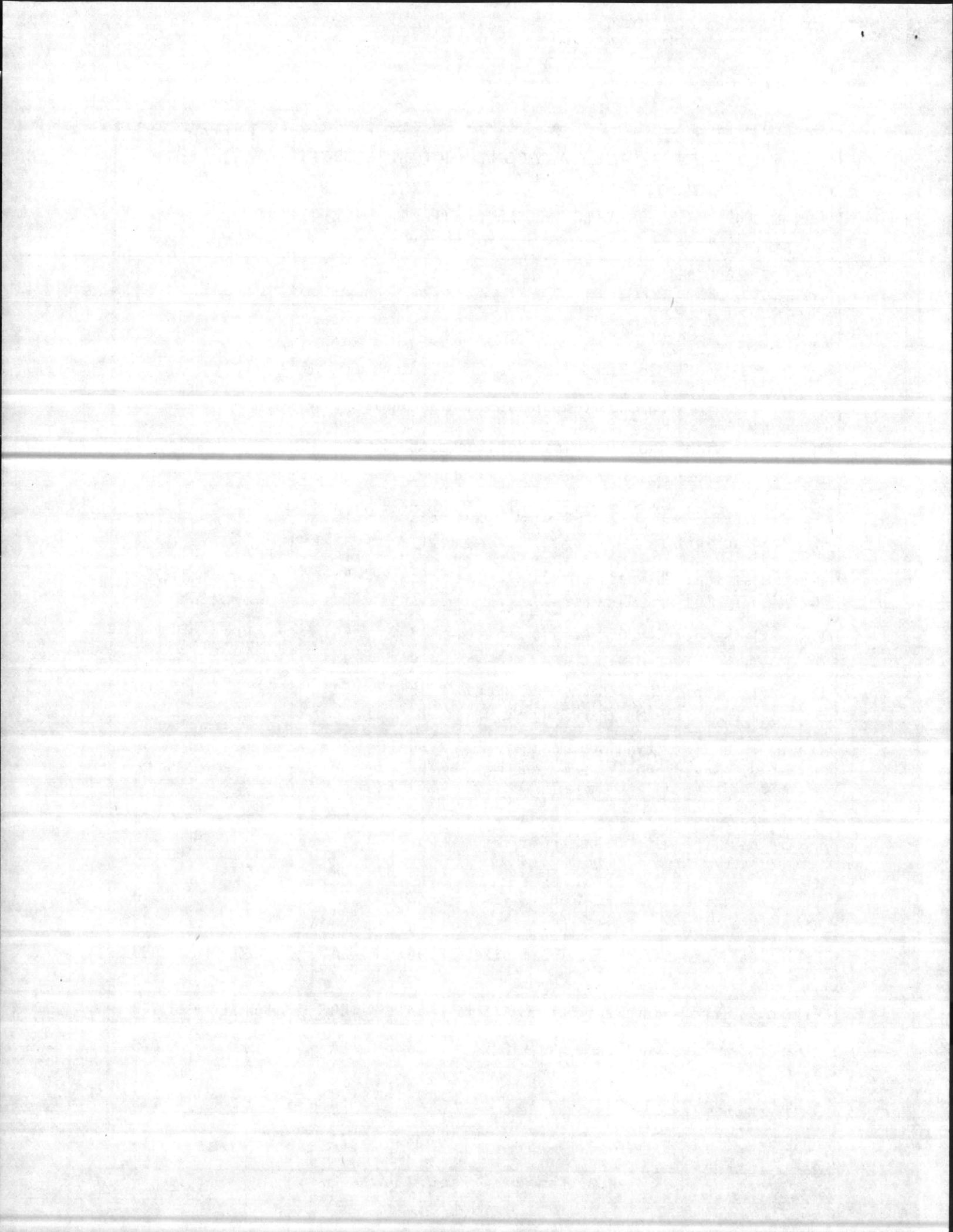
4. PROJECT TITLE 2D FSSG HEADQUARTERS	5. PROJECT NUMBER P-057
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- *Sprinkler System
- *Telephone, Fire Alarm and Intercom Systems
- *Heating, Ventilating & Air Conditioning Systems

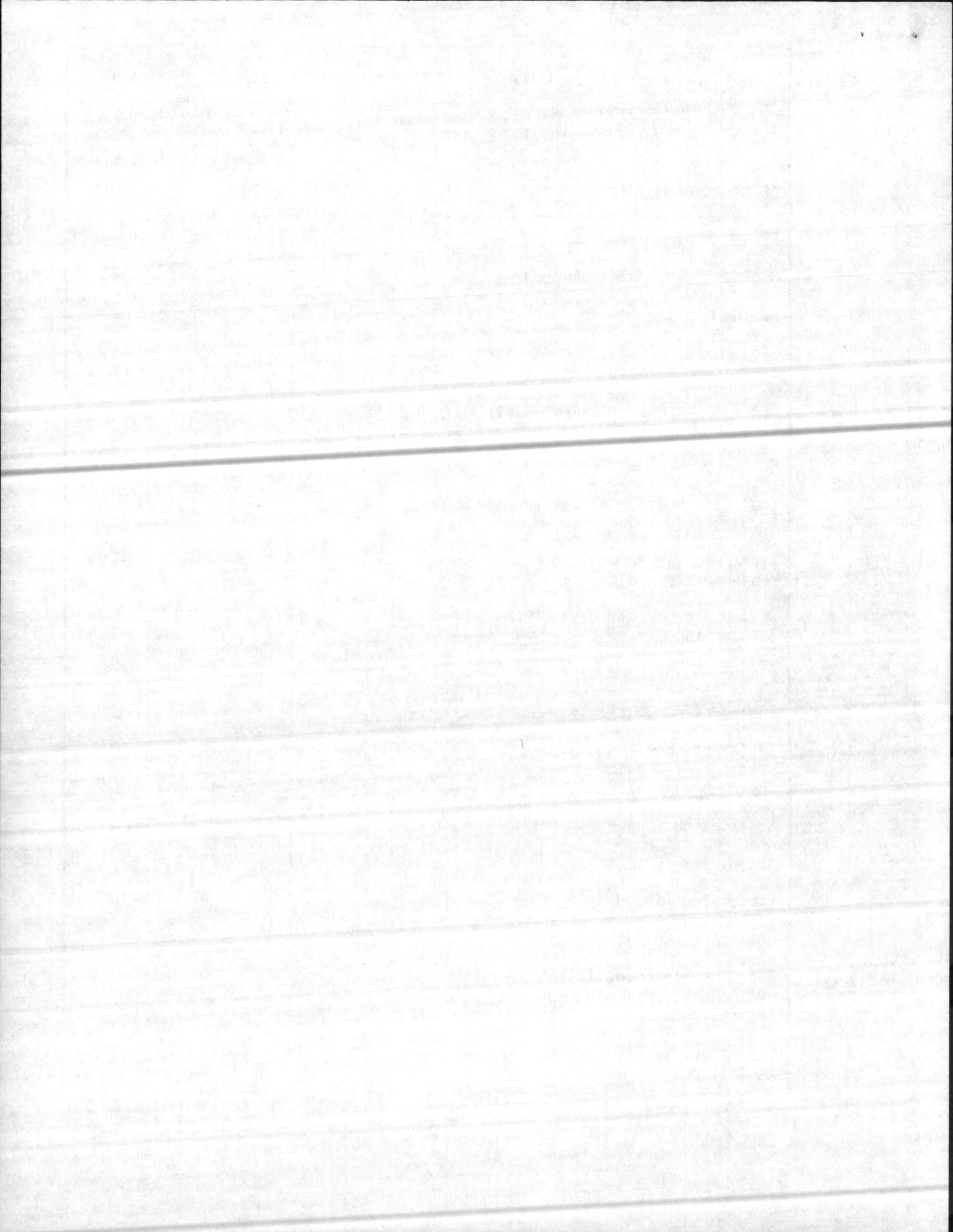
*Equipment with associated installation cost.

(b) Expense Items

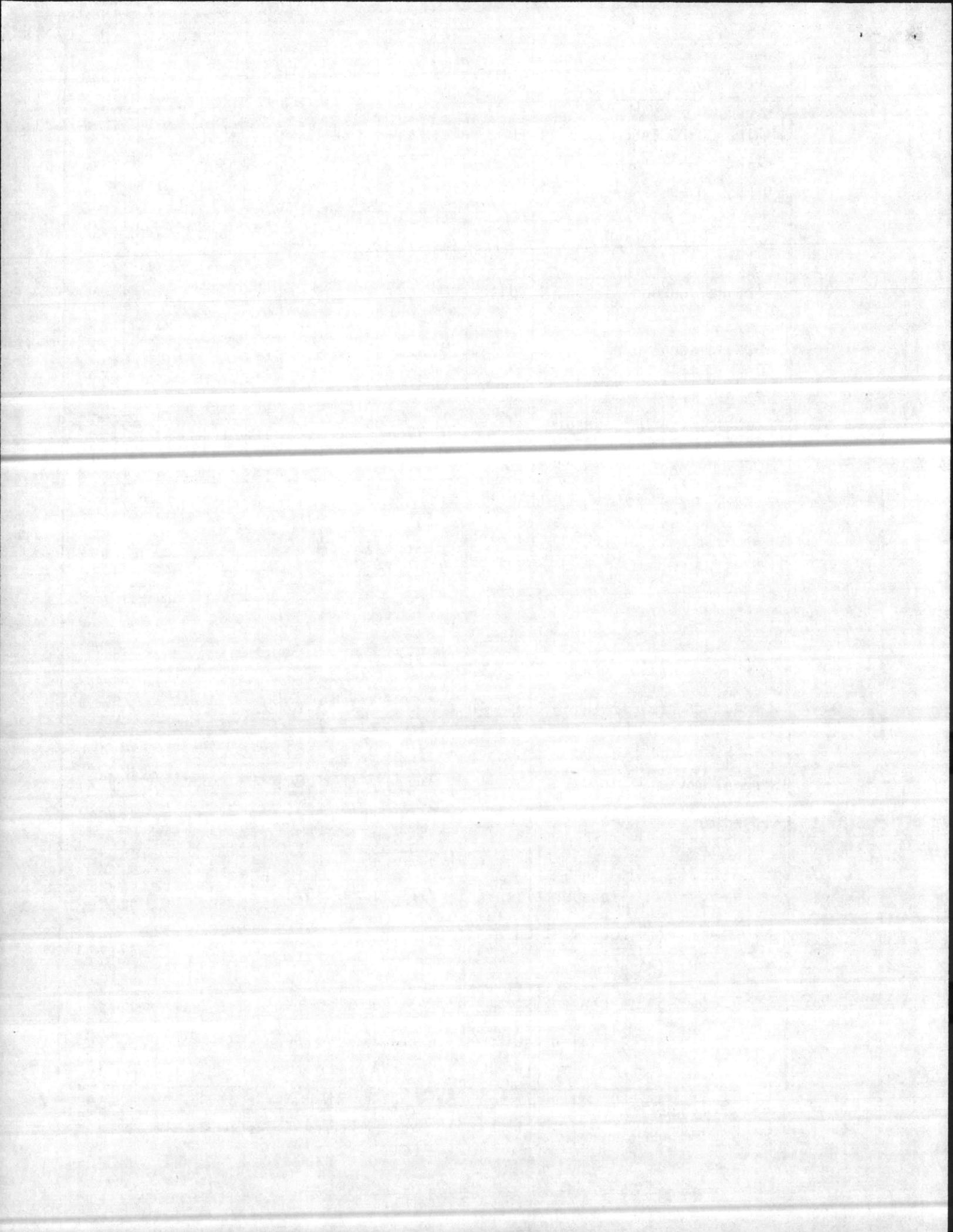
<u>Description</u>	<u>Qty</u>	<u>Units</u>	<u>Unit\$</u>	<u>Total\$</u>
Desk, flat top, dbl ped, 60"x30", walnut pattern top, no overhang	66	EA	315	20,790
Desk, flat top, 45"x30", walnut pattern top	24	EA	240	5,760
Desk, flat top, w/attachment for secre- tarial & general clerical purposes	16	EA	275	4,400
Chair, rotary, tilting seat & chair back, adjustable seat height, w/arms, w/casters, navy	90	EA	94	8,460
Chair, secretarial, nontilting seat, spring back, adjustable backrest, w/o arms, w/casters, navy	16	EA	79	1,264
Stand, office machine, 2 drop leaves, walnut pattern top, w/casters	46	EA	85	3,910
Filing Cabinet, 5 drawers, legal size, w/o lock	64	EA	220	14,080
Filing Cabinet, 4 drawers, w/comb lock	14	EA	340	4,760
Cabinet, storage, dbl door, 36"x18"x 90-1/16"H	36	EA	190	6,840
Bookcase, 33"x13"x10"H	48	EA	20	960
Bookcase, section, w/o doors, 31"x12"x14"H	144	EA	40	5,760



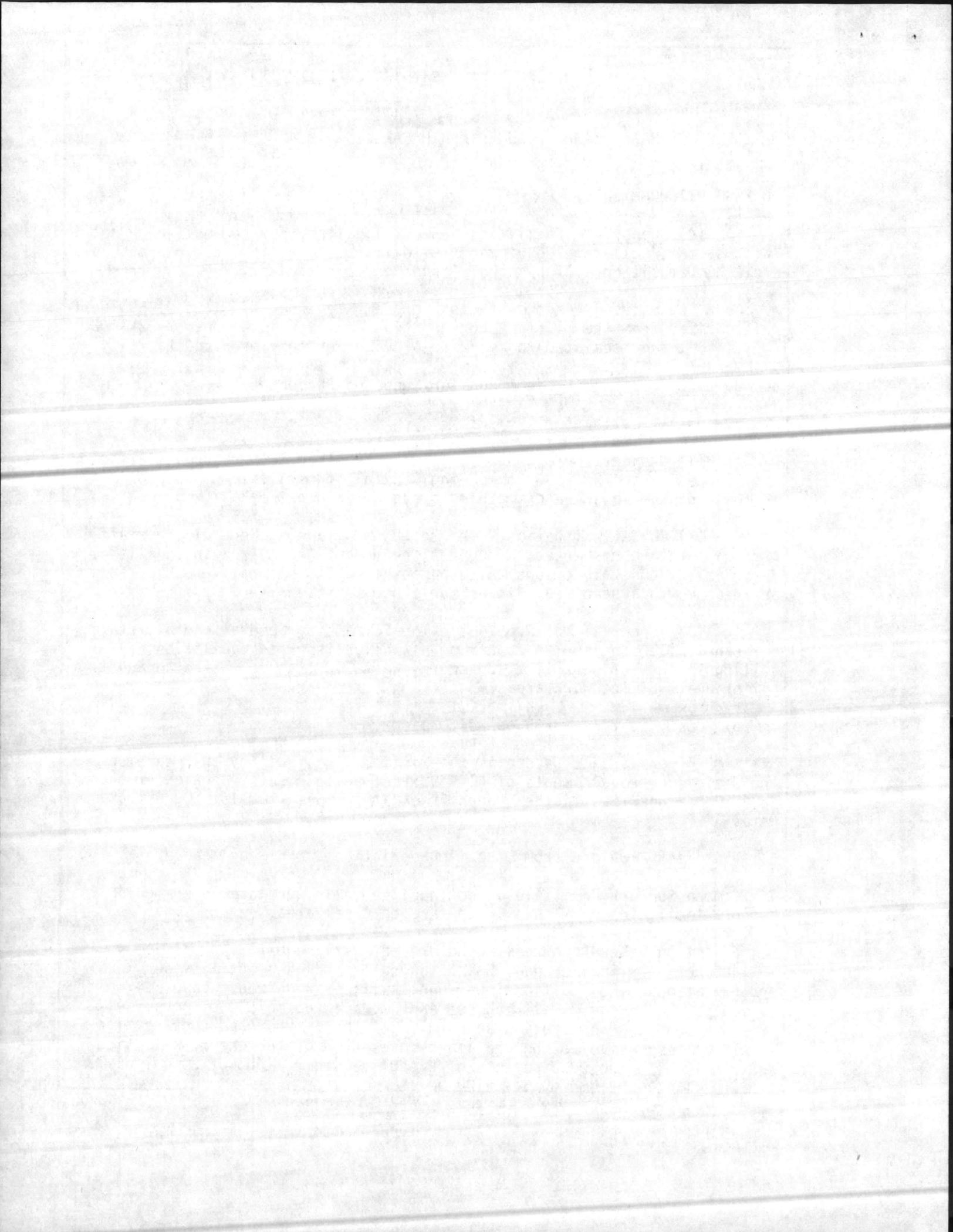
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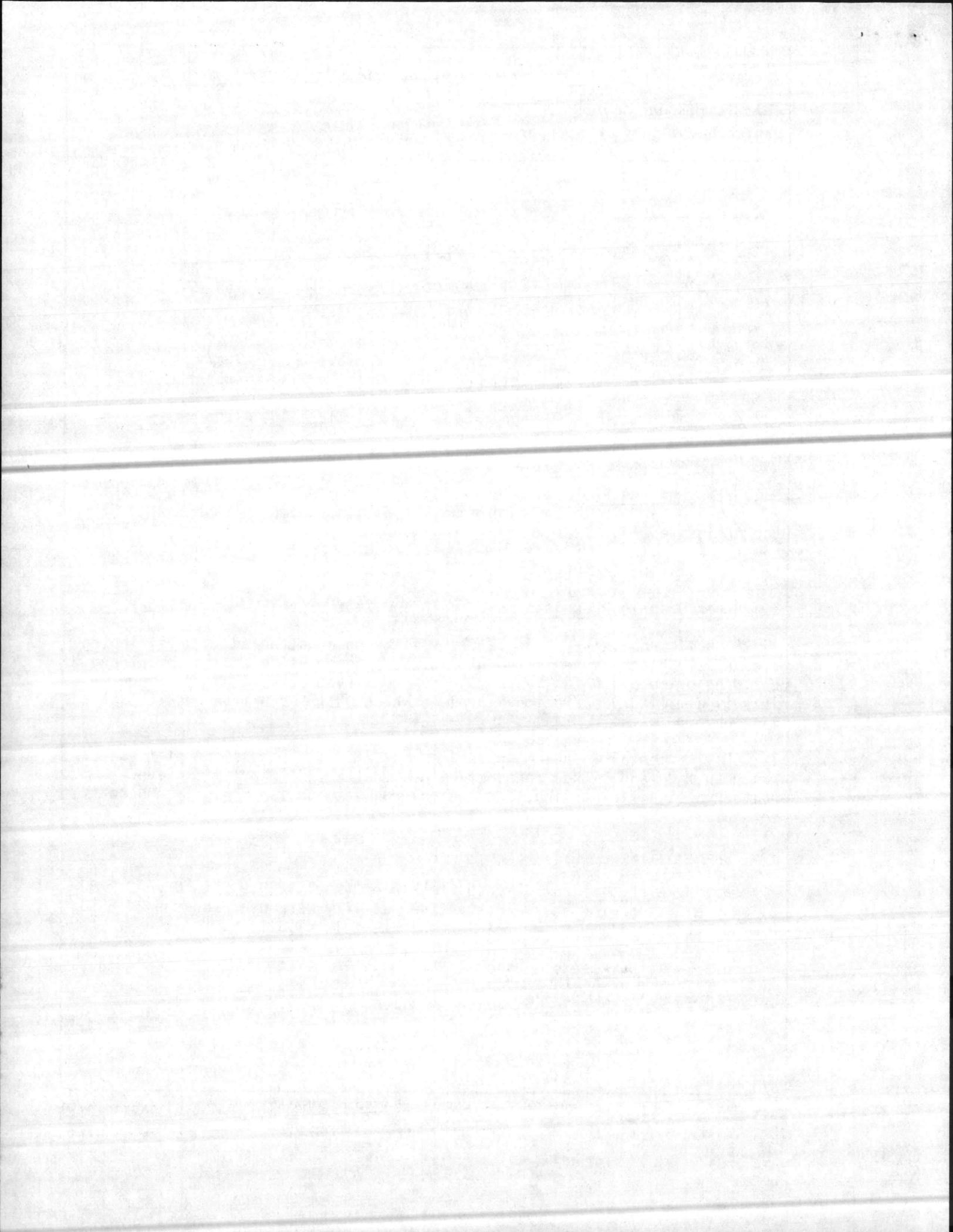
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3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542						
4. PROJECT TITLE 2D FSSG HEADQUARTERS					5. PROJECT NUMBER P-057	
<u>Description</u>		<u>Qty</u>	<u>Units</u>	<u>Unit\$</u>	<u>Total\$</u>	
Typewriter, IBM electric, 18½" carriage, carbon ribbon, 10 pitch, Model 1833		22	EA	710	15,620	
Table, general purpose, 60"x30"x30"H		24	EA	105	2,520	
Board, bulletin, aluminum frame, 4'x6'		8	EA	75	600	
Receptacle, Ash (Sand Urn)		65	EA	37	2,405	
Clock, wall, electric		16	EA	20	320	
TOTAL EXPENSE ITEMS					166,489	
Shipping, Packing, Handling, Installation Charges & Contingencies - 10%					16,649	
TOTAL COST					183,138	
(c) <u>Investment Items</u> : None						
(d) <u>APA Equipment</u> : None						
(e) <u>Training Equipment</u> :						
Projector, movie		2	EA	650	1,300	
Screen, movie		2	EA	235	470	
Projector, overhead		2	EA	375	750	
TOTAL TRAINING EQUIPMENT					2,520	
Transportation & Installation - 10%					252	
(f) <u>Equipment on Hand</u> : None						
(g) <u>Summary</u> :						
Expense Cost					183,390	
Training Equipment					2,520	
GRAND TOTAL					185,910	



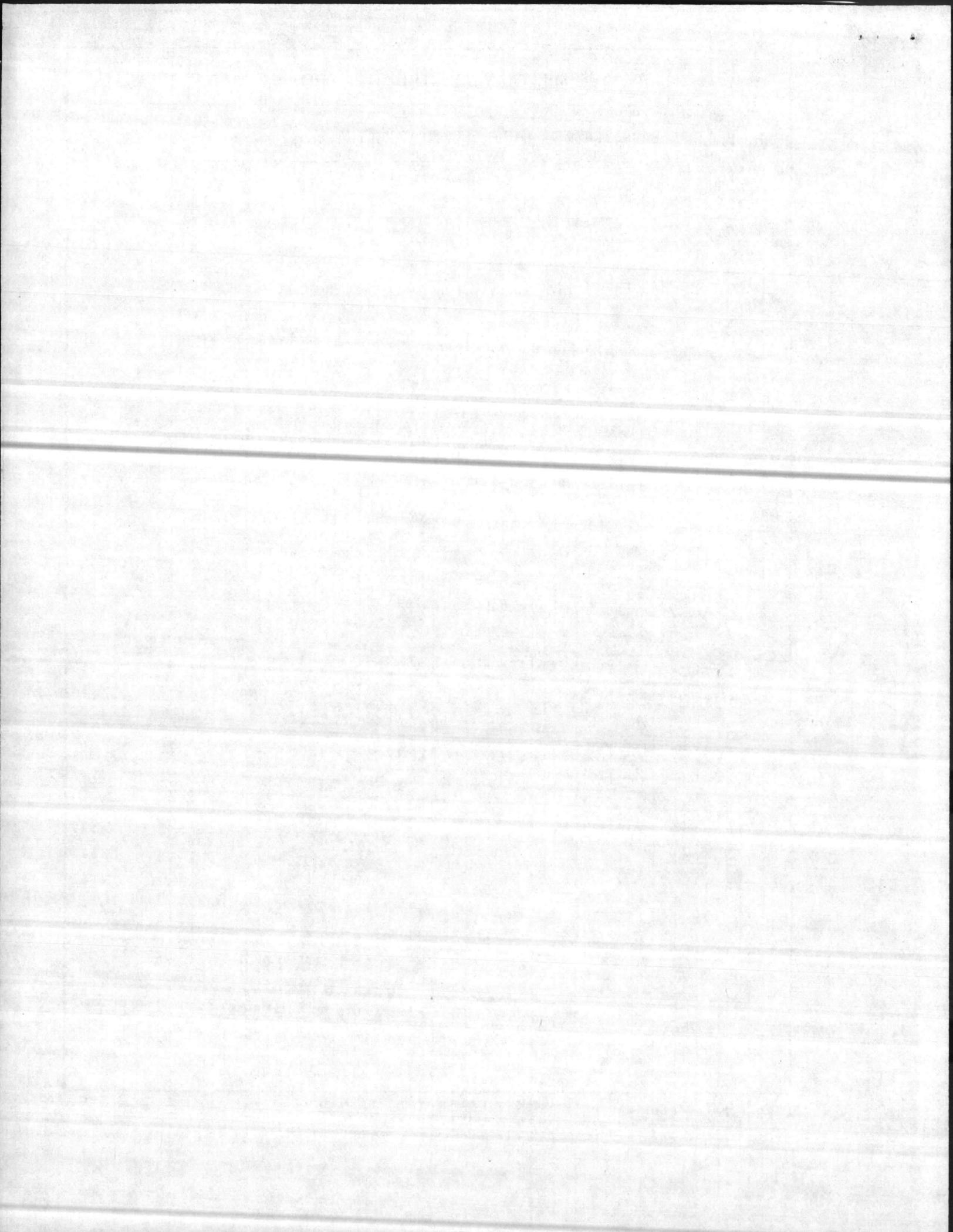
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3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE 2D FSSG HEADQUARTERS	5. PROJECT NUMBER P-057	
<p>(4) <u>Supporting Facilities</u>. Special piling, foundation, solar hot water system, collateral equipment, site improvements, pollution abatement, etc. No demolition will be accomplished on this project.</p> <p>4. <u>Cost Estimate</u>. Area cost factor for Camp Lejeune, N. C. is 0.95. Cost data derived from the Military Construction Cost Review Guide, FY-82 (DOD 4270.1-CG), and escalated to FY-82 to provide for this proposed facility.</p> <p>5. <u>Justification for Project and for Scope of Project</u>.</p> <p>a. <u>Justification for Project</u>.</p> <p>(1) <u>Project</u>. Proposed facility is required to provide administrative space for the 2d FSSG Commanding General and staff in close proximity to the troop billeting and training areas of French Creek.</p> <p>(2) <u>Current Situation</u>. The 2d FSSG Commanding General and staff headquarters are dispersed throughout the Hadnot Point area in facilities designed for other functions which hamper good administrative performance and deprive the use of facilities for other functions.</p> <p>(3) <u>Impact if Not Provided</u>. The Commanding General and his staff personnel will continue to function in widely dispersed facilities resulting in loss of work time and energy waste in transportation to and from billeting to office work areas.</p> <p>b. <u>Justification for Scope of Project</u>.</p> <p>(1) The project scope is the minimum size facility that can meet the deficiency requirements of 41,919 SF of administrative space for the 2d FSSG Headquarters in the French Creek area. See Item 13., Quantitative Data.</p> <p>6. <u>Equipment Provided from Other Appropriations</u>. Not applicable.</p> <p>7. <u>Common Support Facilities</u>. Not applicable. There are no common support facilities available in the French Creek area.</p> <p>8. <u>Effect on Other Resources</u>. The project will require approximately \$27,463 per year in increased O&MMC funds for increased utility services and operations. No additional personnel will be required to operate this facility. The project will enhance and improve the morale of personnel presently working in widely dispersed facilities. Proposed construction should be responsive to the challenges presented by the energy situation and comply with the requirements of Executive Order 12003 of 20 July 1977 and implemented by NAVFACINST 4100.5A.</p>		

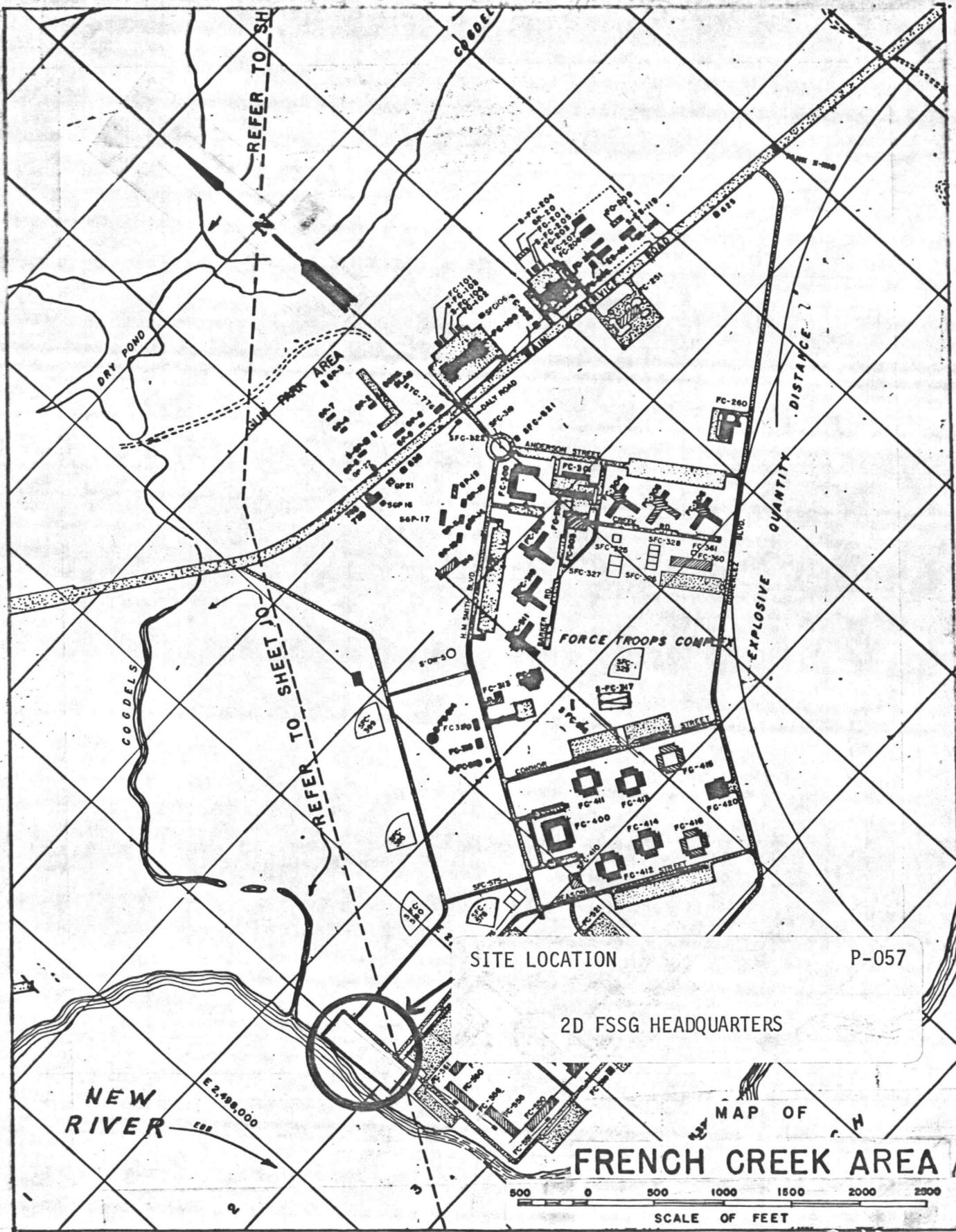


1. COMPONENT NAVY	FY 19 85 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980																												
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<p style="text-align: center;"><u>Utility Requirements</u></p> <table border="0"> <tr> <td>a. Electricity</td> <td>Consumption</td> <td style="text-align: right;">492,750</td> <td>KWHR/yr</td> </tr> <tr> <td></td> <td>Peak Demand</td> <td style="text-align: right;">281</td> <td>KW</td> </tr> <tr> <td></td> <td>Avg Demand</td> <td style="text-align: right;">231</td> <td>KW</td> </tr> <tr> <td>b. Steam</td> <td>Consumption</td> <td style="text-align: right;">2,873,149</td> <td>lbs/yr</td> </tr> <tr> <td></td> <td>Demand</td> <td style="text-align: right;">1,028</td> <td>lbs/hr</td> </tr> <tr> <td>c. Coal</td> <td></td> <td style="text-align: right;">112.1</td> <td>tons/yr</td> </tr> <tr> <td>d.</td> <td colspan="3">Adequate utility requirements are available.</td> </tr> </table> <p>9. <u>Siting of the Project.</u> The facility is located in the French Creek 2d FSSG Area and is in compliance with the latest Camp Lejeune Master Plan. See enclosure (1).</p> <p>a. Building layout: See enclosure (2).</p> <p>10. <u>Other Graphic Presentations, including Photographs:</u> See encl (3).</p> <p>11. <u>Economic Analysis.</u> This facility is being constructed in a developing area of the base with existing utilities. Energy efficient equipment and building orientation for maximum energy conservation will be utilized. This is a military operational project which must support an operational mission.</p> <p>12. <u>Environmental Impact.</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.</p> <p>13. <u>Quantitative Data.</u></p> <p>a. <u>BFRL Requirement</u> (French Creek Area (EA)) 41,919 SF. NAVFAC P-80 allowance factors for an administrative facility were used for the 2d FSSG Headquarters Facility. The total requirement is 41,919 SF.</p> <p>b. <u>Existing Assets.</u> None</p> <p>Mechanical facility not included.</p>			a. Electricity	Consumption	492,750	KWHR/yr		Peak Demand	281	KW		Avg Demand	231	KW	b. Steam	Consumption	2,873,149	lbs/yr		Demand	1,028	lbs/hr	c. Coal		112.1	tons/yr	d.	Adequate utility requirements are available.		
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1. COMPONENT NAVY	FY 19 <u>85</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980								
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4. PROJECT TITLE 2d FSSG HEADQUARTERS		5. PROJECT NUMBER P-057								
<p>c. <u>Planned Facilities.</u></p> <table border="0"> <thead> <tr> <th data-bbox="516 531 695 569"><u>Project No.</u></th> <th data-bbox="1032 531 1182 569"><u>Area (SF)</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="548 598 630 632">P-057</td> <td data-bbox="1049 598 1149 632">41,919</td> </tr> <tr> <td data-bbox="597 661 987 695">TOTAL PLANNED FACILITIES</td> <td data-bbox="1049 661 1149 695">41,919</td> </tr> <tr> <td data-bbox="597 724 987 758">BFRL TOTAL REQUIREMENTS</td> <td data-bbox="1049 724 1149 758">41,919</td> </tr> </tbody> </table>			<u>Project No.</u>	<u>Area (SF)</u>	P-057	41,919	TOTAL PLANNED FACILITIES	41,919	BFRL TOTAL REQUIREMENTS	41,919
<u>Project No.</u>	<u>Area (SF)</u>									
P-057	41,919									
TOTAL PLANNED FACILITIES	41,919									
BFRL TOTAL REQUIREMENTS	41,919									





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REFER TO SHEET 10

SITE LOCATION

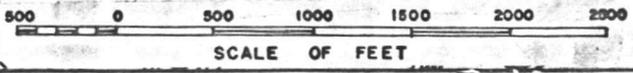
P-057

2D FSSG HEADQUARTERS

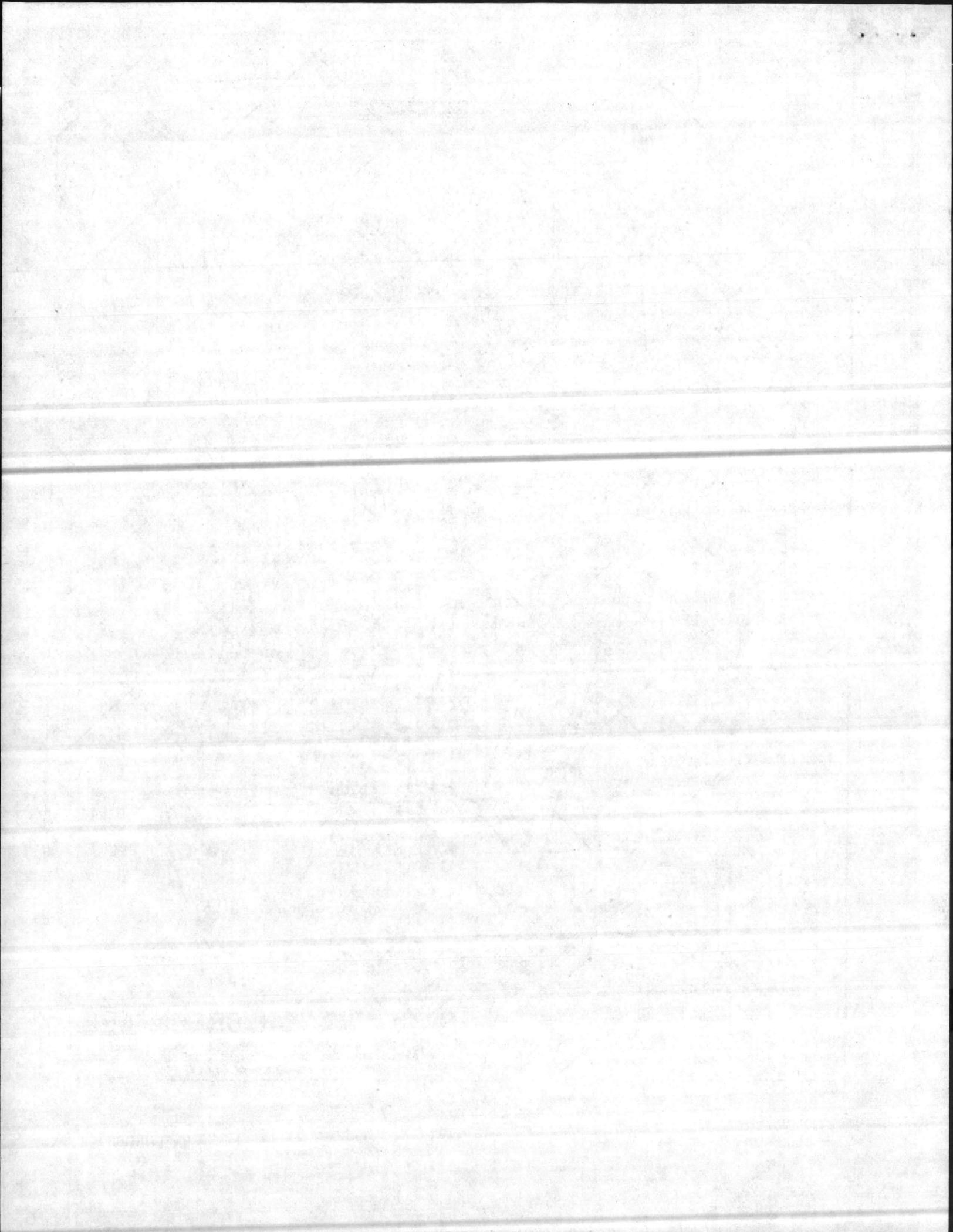
NEW RIVER

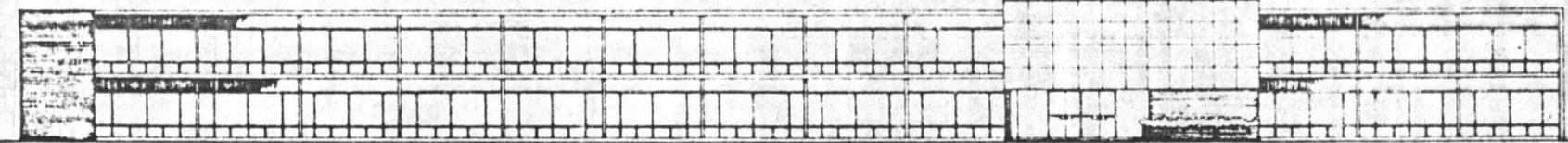
E 2,498,000

MAP OF
FRENCH CREEK AREA

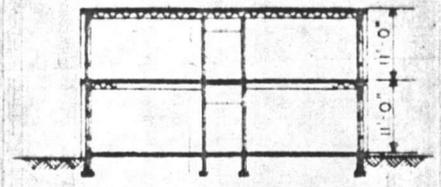


ENCLOSURE (1)

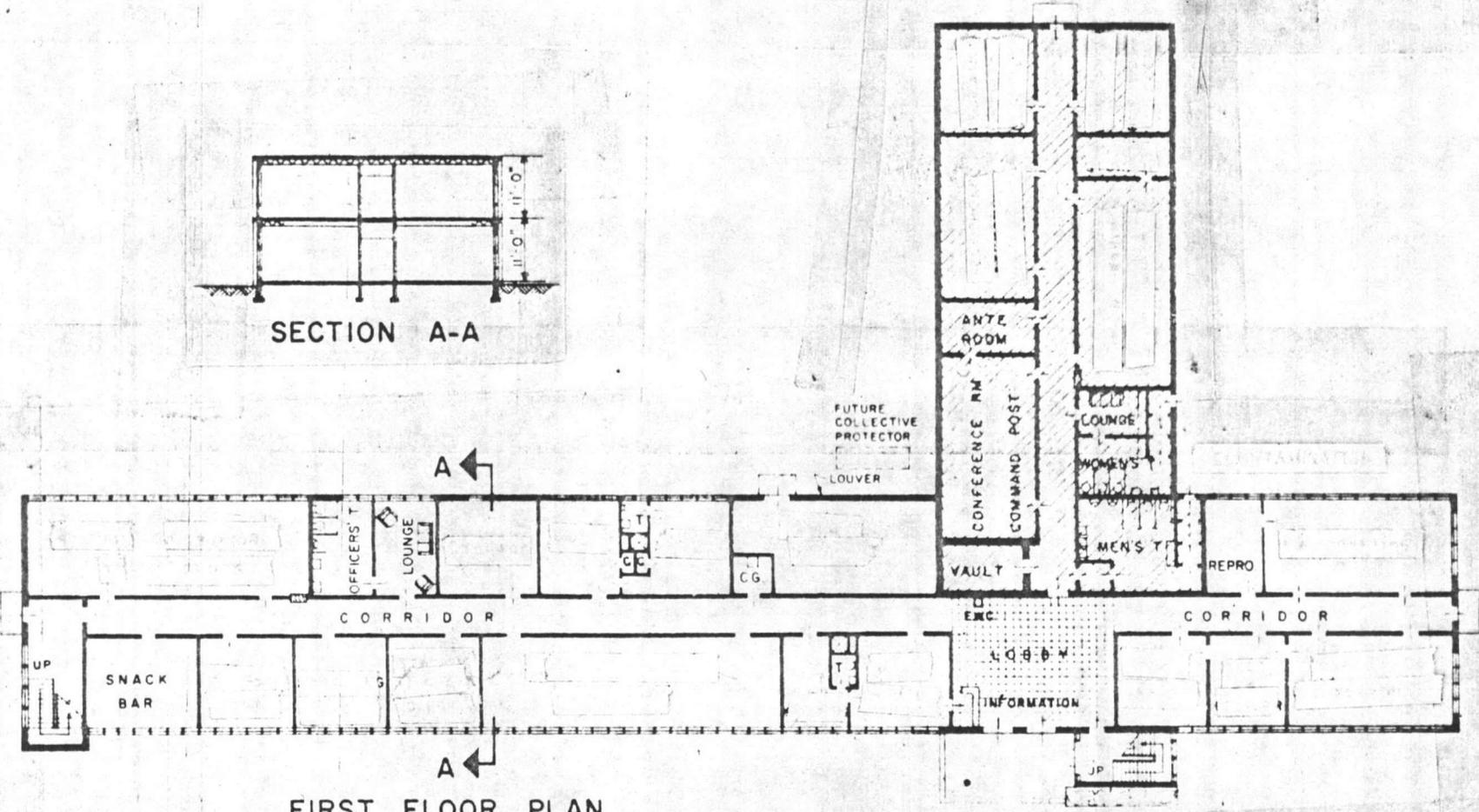




ELEVATION A



SECTION A-A

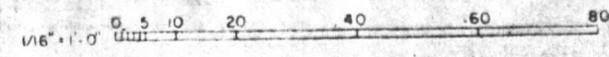


FIRST FLOOR PLAN

ELEVATION A

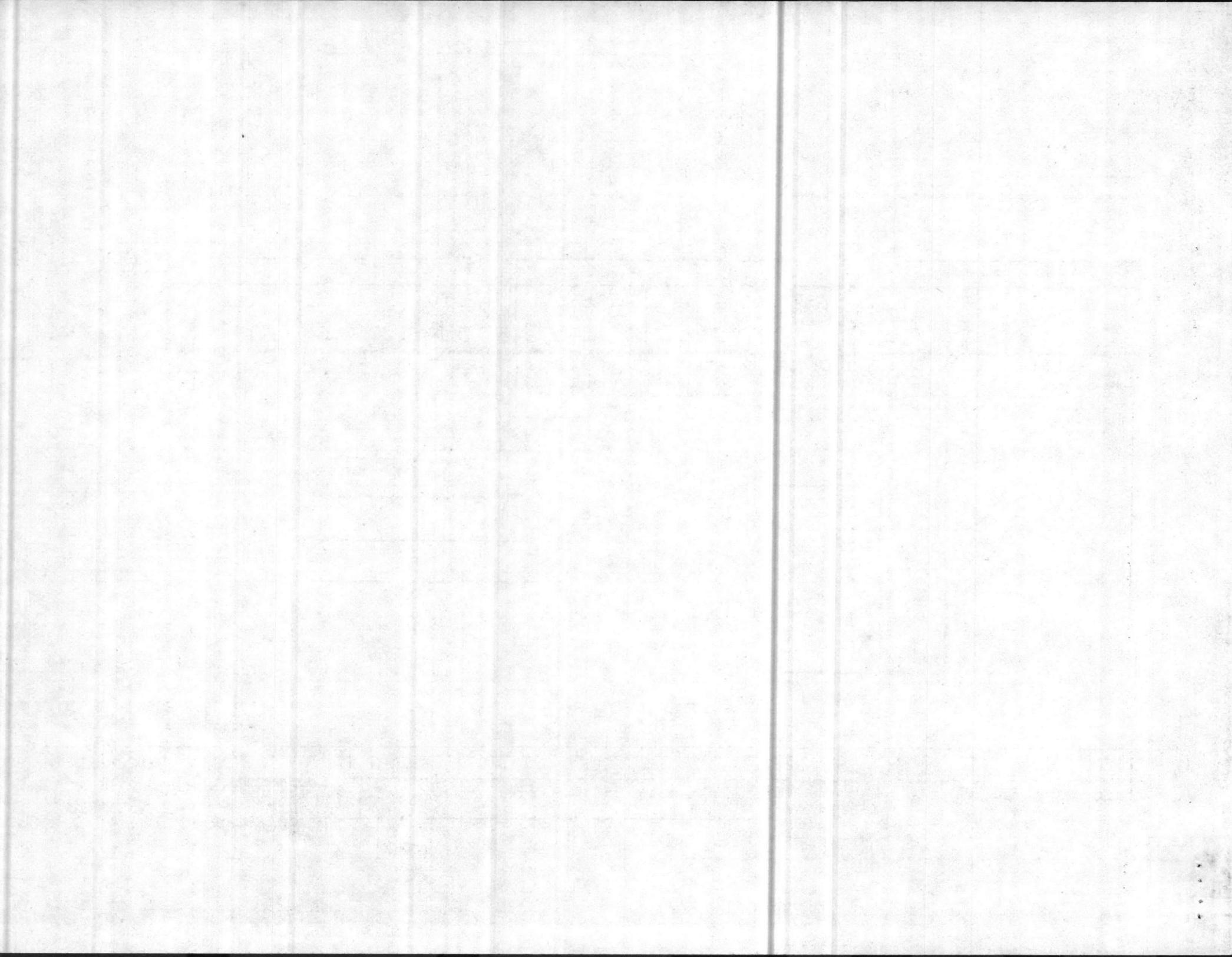
ADMINISTRATION BUILDING

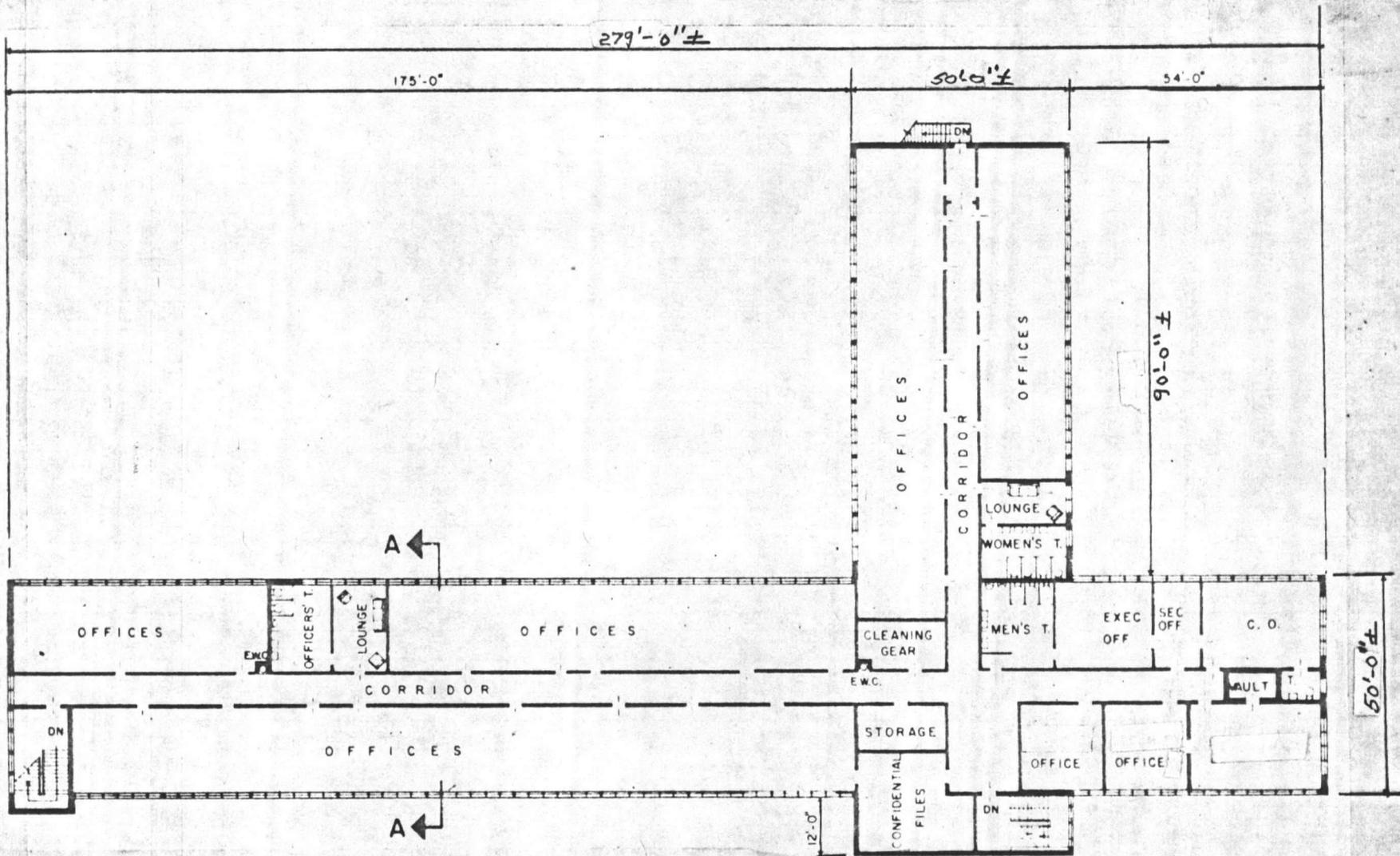
GRAPHIC SCALE



PAGE (1) OF (2)

ENCLOSURE (2)

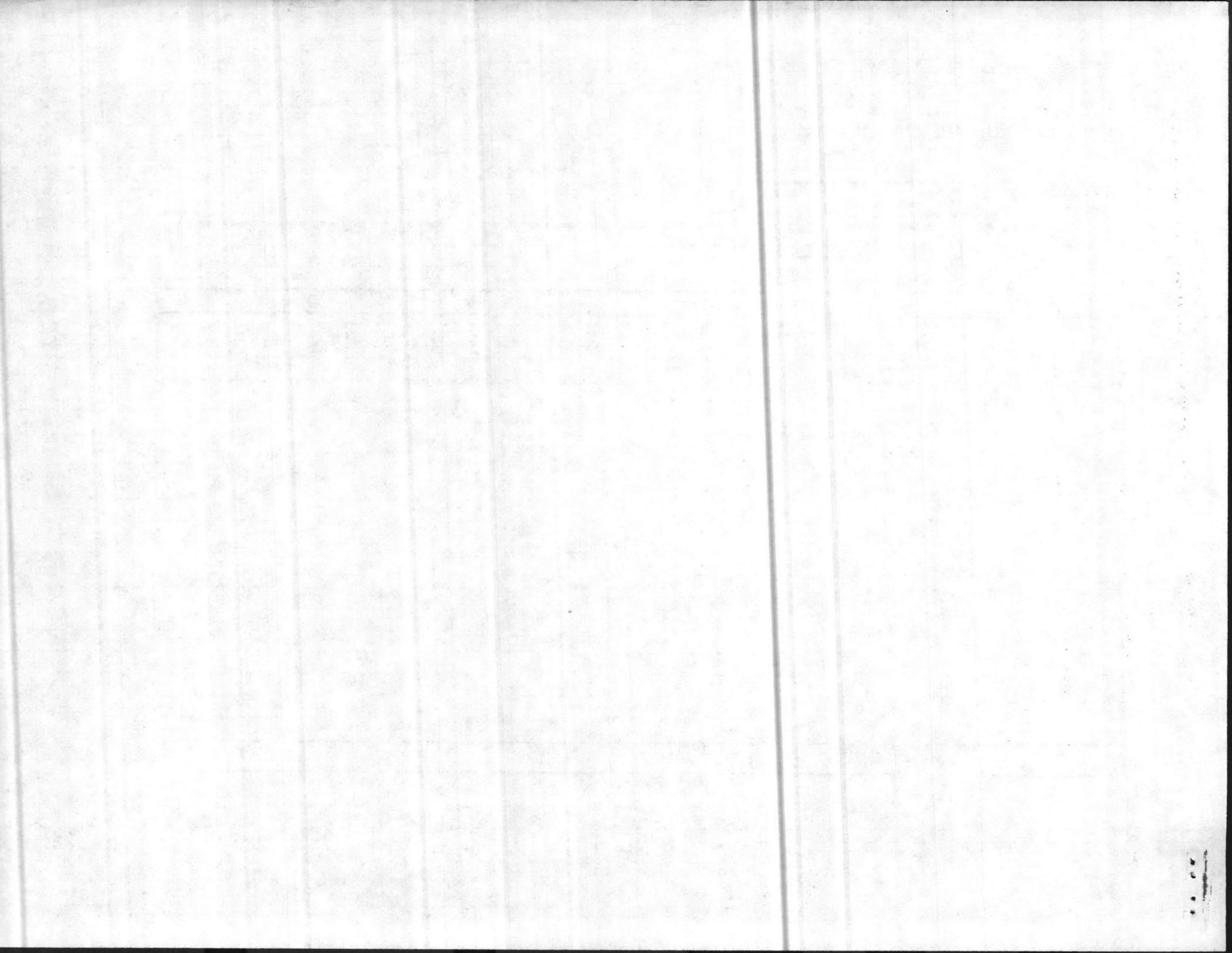




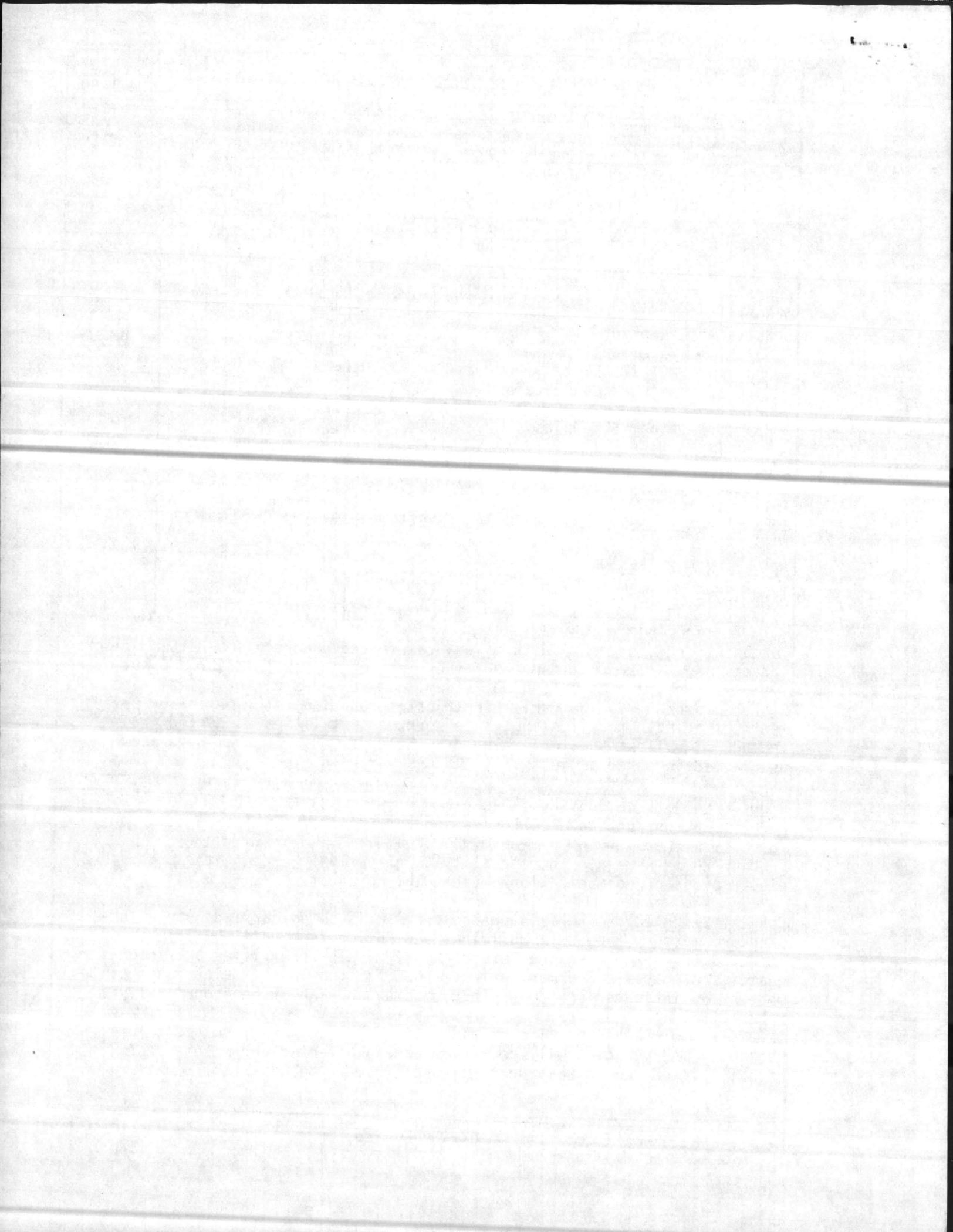
SECOND FLOOR PLAN

ADMINISTRATION BUILDING

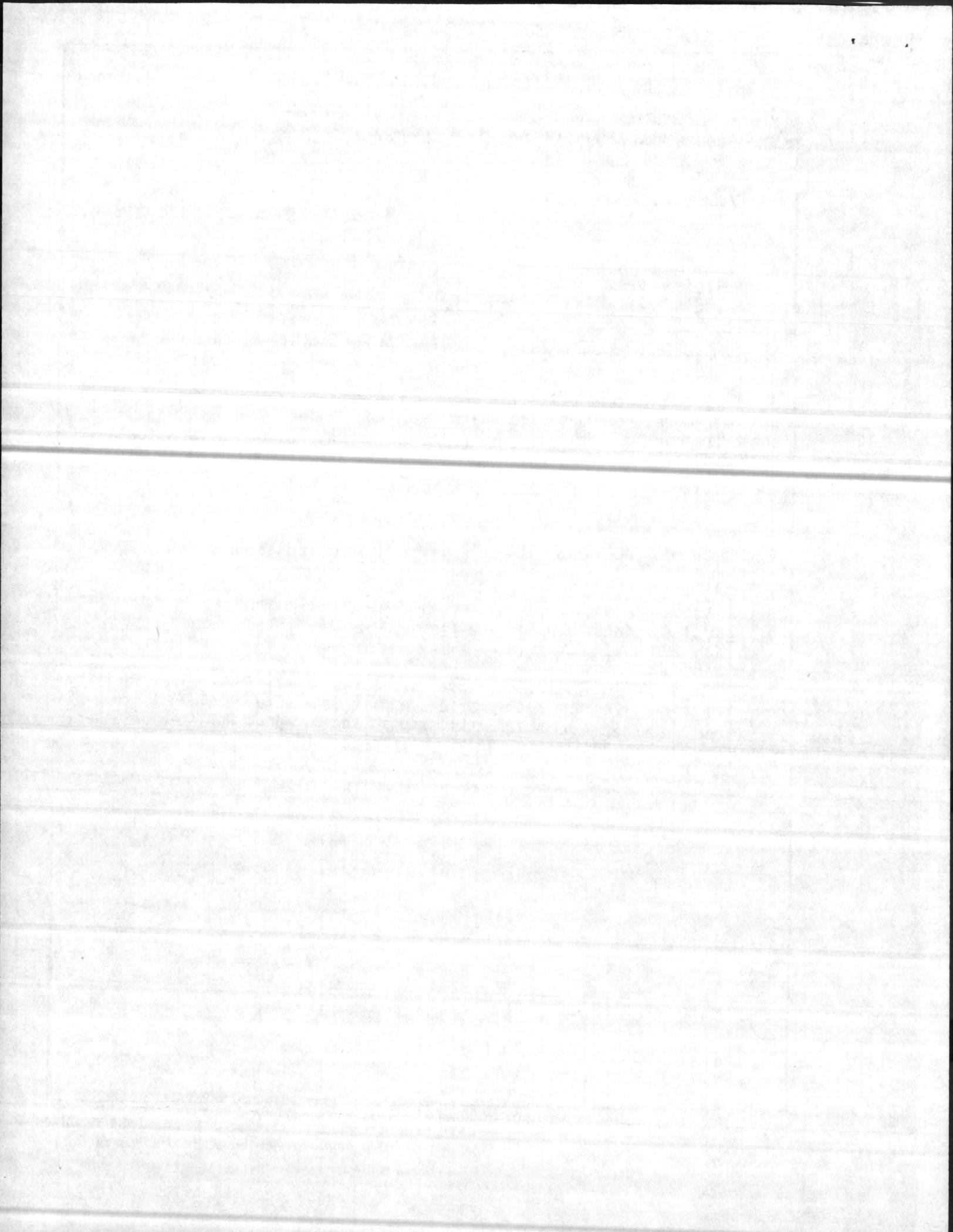




1. COMPONENT NAVY		FY 19 <u>86</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE 1 AUG 1980	
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA 28542				4. PROJECT TITLE ELEC/COMM MNT SHOP		
5. PROGRAM ELEMENT		6. CATEGORY CODE 217-10	7. PROJECT NUMBER P-167		8. PROJECT COST (\$000) 1,100	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP		SF	11,725	76.28	894	
Building		SF	11,725	61.23	(718)	
Built-in Equipment		LS	-	-	(152)	
Solar Hot Water System		LS	-	-	(24)	
SUPPORTING FACILITIES					141	
Special Construction Features		LS	-	-	(19)	
Utilities		LS	-	-	(48)	
Roads, Parking, Sidewalks		LS	-	-	(62)	
Site Improvements		LS	-	-	(12)	
SUBTOTAL					1,035	
CONTINGENCY (5%)					52	
TOTAL CONTRACT COST					1,087	
SUPERVISION, INSPECTION & OVERHEAD (5.5%)					60	
TOTAL REQUEST					1,147	
TOTAL REQUEST (ROUNDED)					1,100	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS						
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
<p>Permanent one story shop with piles, reinforced concrete foundation, floors, and masonry walls. Built-up roof over insulation and interior support systems, i.e., air conditioning, steam, compressed air, sprinkler, fire alarm, plumbing, 60/400 cycle electrical; grounding, etc., exterior pavements, fencing, area lighting, site work, and utilities connected are included. Fallout shelter excluded - shelters for personnel have been programmed in other projects. (38 tons air conditioning)</p>						
<p>REQUIREMENTS: <u>46,185</u> SF. ADEQUATE <u>0</u> SF. SUBSTANDARD <u>0</u> SF PROJECT: Construct an electronics and communications maintenance shop for a Communications Battalion of the 2d Force Service Support Group. REQUIREMENT: A maintenance facility to effectively execute the prescribed electronics and communications maintenance program.</p>						
<p>CURRENT SITUATION: The maintenance program is being carried out in sub-standard masonry-type WWII buildings and Butler-type metal buildings constructed in 1952 during the Korean campaign. The facilities are inadequate as electronics/communications shops for use in the maintenance of the modern sophisticated equipment in use today and cannot be economically rehabilitated.</p>						
<p>IMPACT IF NOT PROVIDED: The deadline time on electronic equipment for personnel and vehicles will remain adversely affected and maintenance capability and combat readiness will continue to be impaired.</p>						
EGJ						



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<p style="text-align: center;"><u>SPECIAL CONSIDERATIONS</u></p> <ol style="list-style-type: none"> 1. <u>Pollution Prevention, Abatement, and Control</u>: This project will not cause additional air or water pollution. 2. <u>Flood Hazard Evaluation</u>: Requirements of Executive Order No. 11296 (Flood Hazards) are not applicable. 3. <u>Environmental Impact</u>: The project Environmental Impact Assessment has been made, reviewed, and where required, the design concepts give consideration to eliminating adverse environmental effects consistent with applicable directives. 4. <u>Fallout Shelter Construction</u>: Fallout shelter protection is incorporated in the facility. 5. <u>Design for Accessibility of Physically Handicapped Personnel</u>: Provisions for physically handicapped personnel are not required in this facility. 6. <u>Use of Air Conditioning</u>: Ceiling "U" factors will be made to conform with DOD 427G.1-M. 7. <u>Preservation of Historical Sites and Structures</u>: The project facility does not directly or indirectly affect a district, site, building, structure, object, or setting which is listed in the National Register or otherwise possesses a significant quality of American history. 		



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4. PROJECT TITLE

ELEC/COMM MAINTENANCE SHOP

5. PROJECT NUMBER

P-167

FACILITY STUDY

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

2. Current and Planned Future Workload with Regard to this Project. The duration of need is indefinite and the facility will be utilized 100 percent of the time. An average of ten hours per day for a five-day work-week is spent in the shop. After training exercises or deployments, the maintenance workload increases; consequently, many nights and weekends are required to perform the additional maintenance. The organization is responsible for performing first and second echelon maintenance on all items of electronics and communications equipment authorized by the T/E. The future workload is difficult to project; however, it is expected to increase as the present equipment becomes older and new items are introduced into the system.

3. Description of Proposed Construction.

a. Type of Construction.

(1) Permanent one-story maintenance shop on pilings, reinforced concrete foundations, floors, masonry walls, built-up roofs, insulation, interior utilities, air conditioning in training and administrative areas, 60/400 cycle power with AC/DC power bus duct.

(2) Rigid and flexible walks and parking pavements, security fencing and lighting, site improvements, exterior utilities, etc.

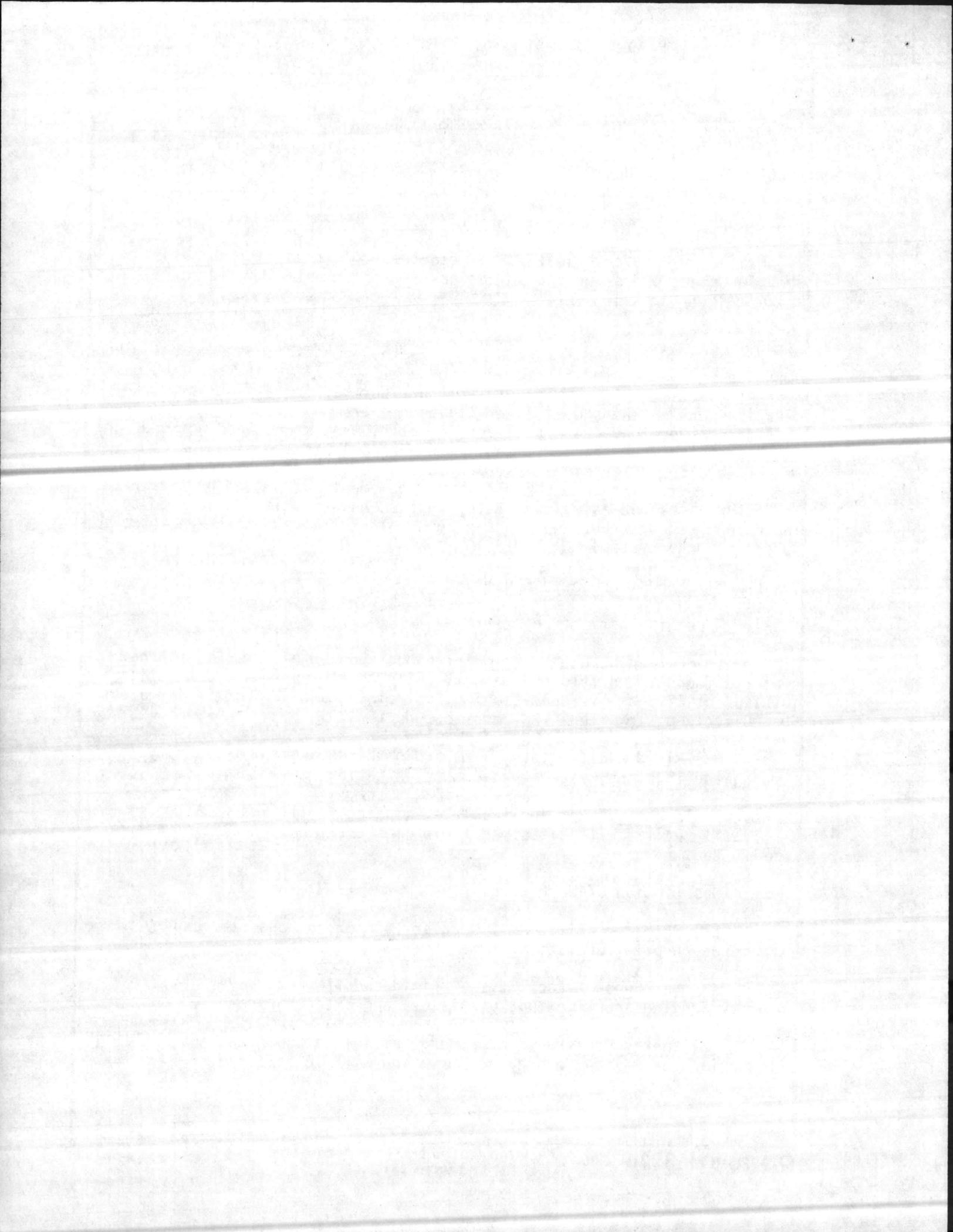
b. Replacement. Not applicable. Existing facilities will be temporarily utilized to satisfy deficiencies until new facilities are constructed.

c. Description of Work to be Done.

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

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

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



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(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

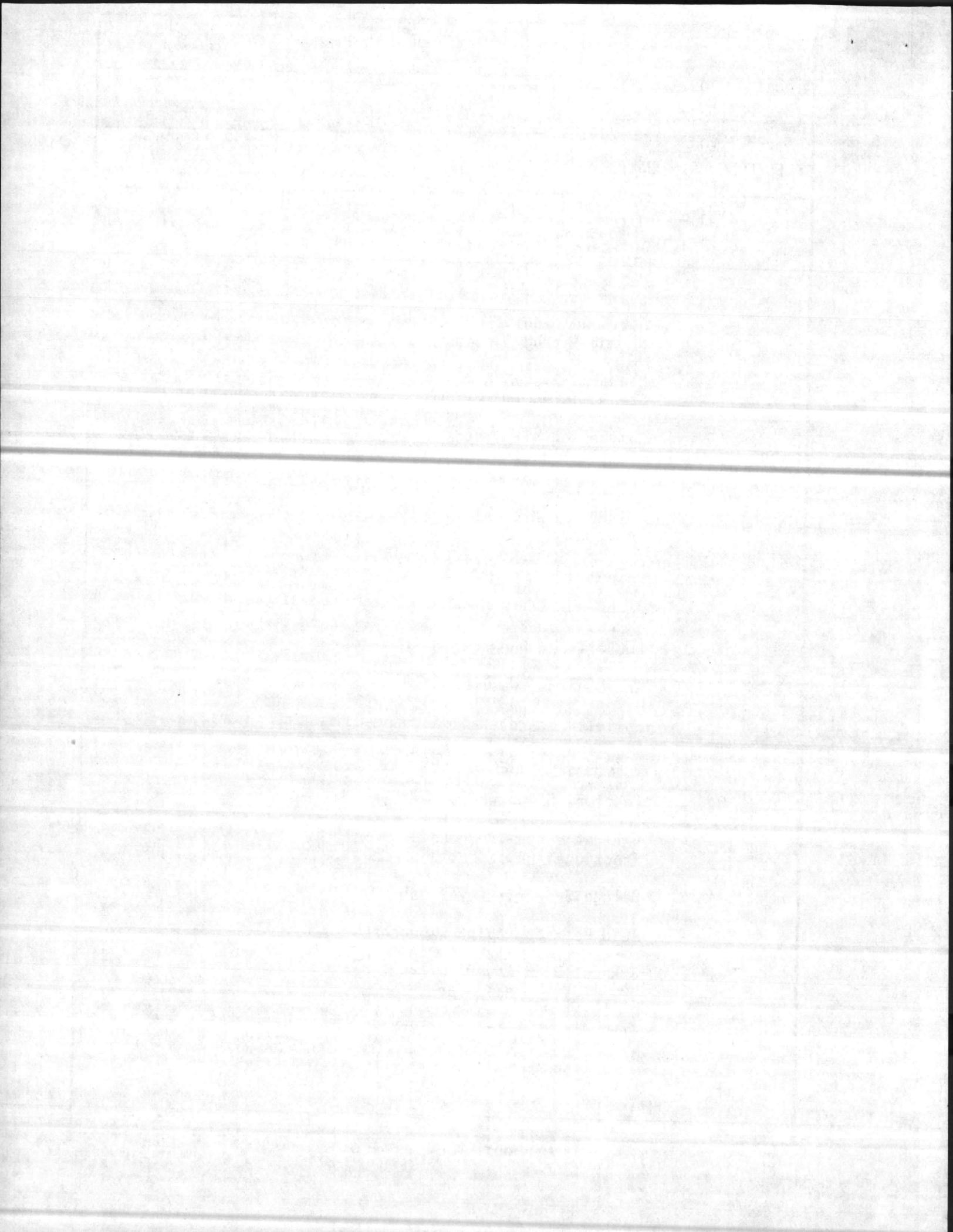
*Exhaust System, overhead
fractional HP, 208V, 3 phase

*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



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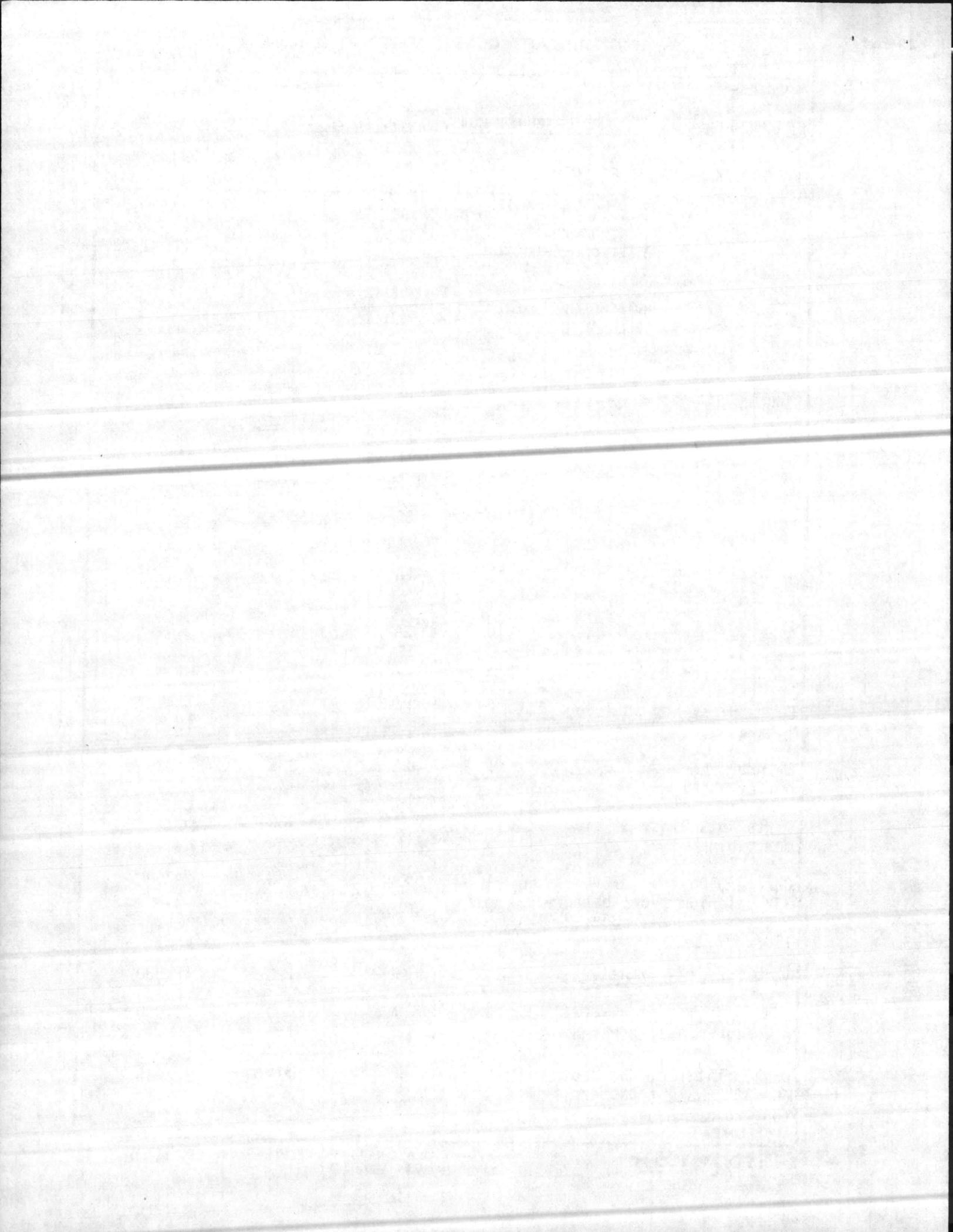
*Pass Window, 4' wide,
w/counter & "B" label
roll down shutter (w/
fusible link)

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

*Equipment with associated installation cost.

(b) Expense Items

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



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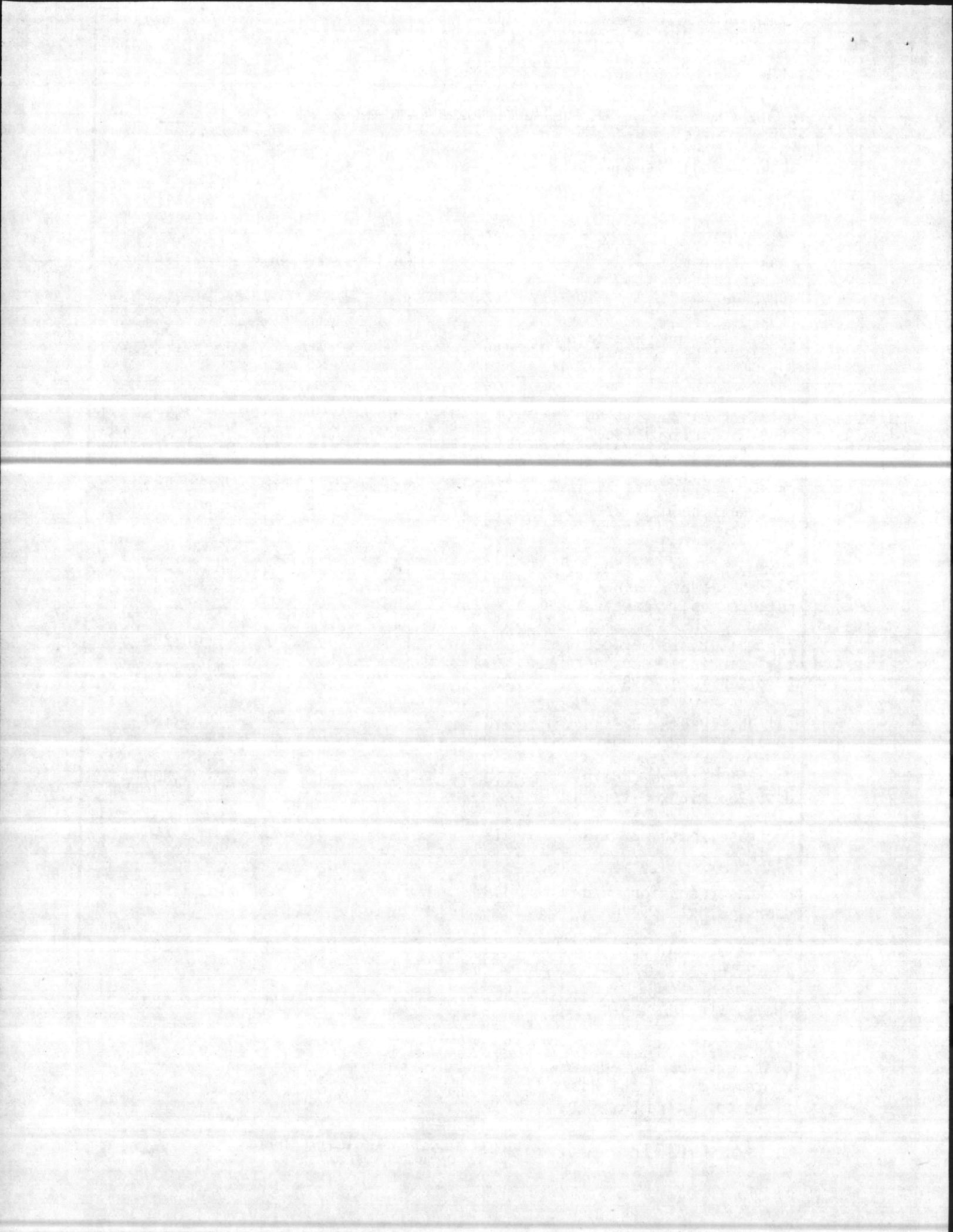
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<u>Description</u>	<u>Qty</u>	<u>Unit of Issue</u>	<u>Unit Price</u>	<u>Total Cost</u>
Desk, flat top, 45"x30" walnut pattern top, no overhang	8	EA	240	\$1,920
Desk, flat top, w/attach for sec'l & gen. clerical purposes	8	EA	275	2,220
Chair, rotary,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



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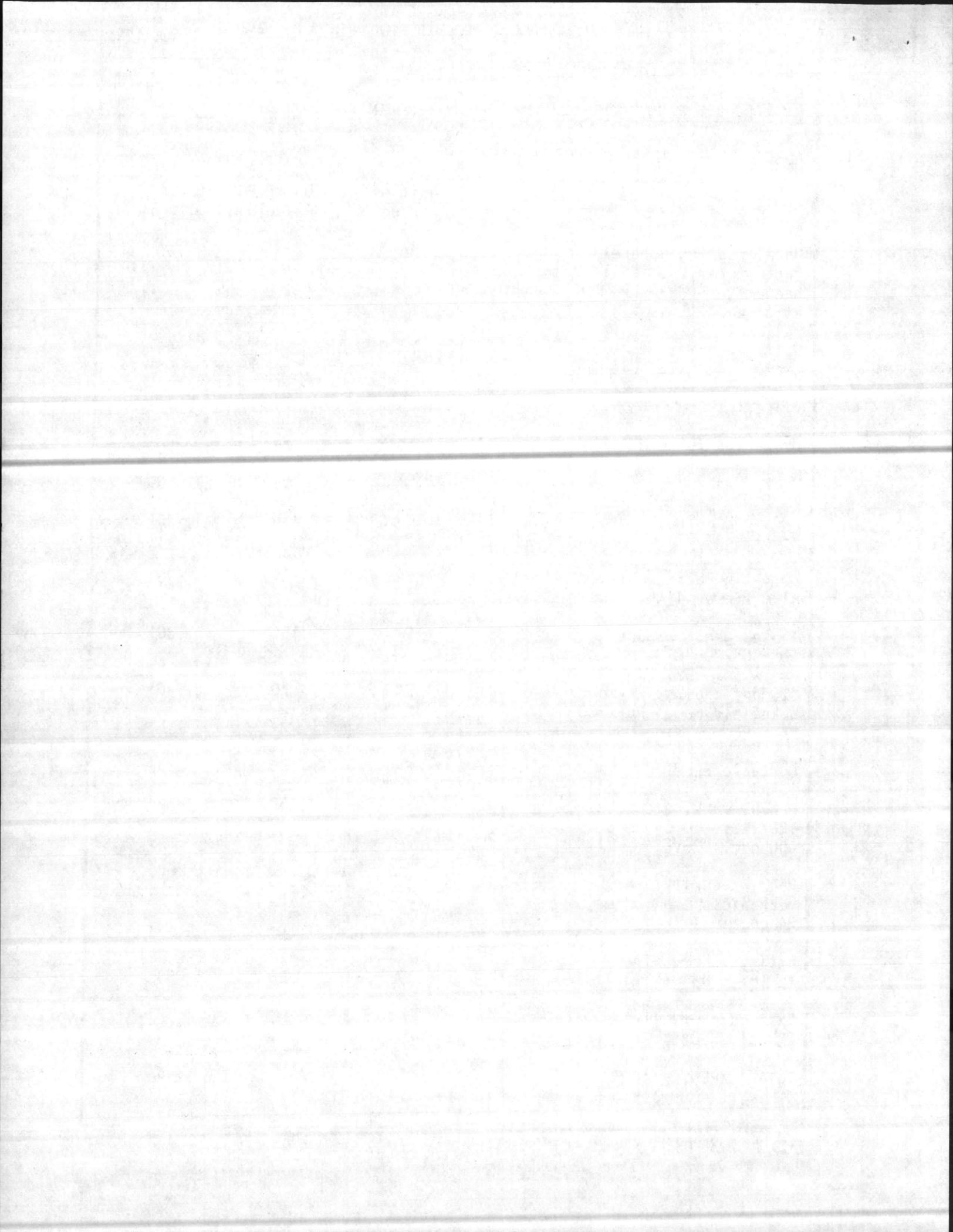
4. PROJECT TITLE

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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
Draperies, blackout	4	PR	95	380
Desk Lamp	24	EA	45	1,080
Adding Machine, Monroe Model 1405	6	EA	290	1,740
Bulletin Board, cork, alum frame, 4'x6'	8	EA	65	520
Table, gen. purpose, 60"x30"x29½"H	6	EA	105	630
Student Chairs, Heywood Wakefield Model HC-7730-PABS-PP	42	EA	70	2,940
Portable Easel	3	EA	85	255
Bench, work, electronic, 120/220V, 60 cycle & 400 cyc., 28V	12	EA	1,450	17,400
Rack, security, for mechanics' tool boxes, 24 openings	3	EA	2,000	6,000
Extinguisher, fire, 15 lb., CO ₂	12	EA	85	1,020
Extinguisher, fire, 2½ gal. H ₂ O	12	EA	40	480
TOTAL EXPENSE ITEMS				81,259



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

Shipping, Packing, Handling 8,126
 Installation Charges &
 Contingencies - 10%

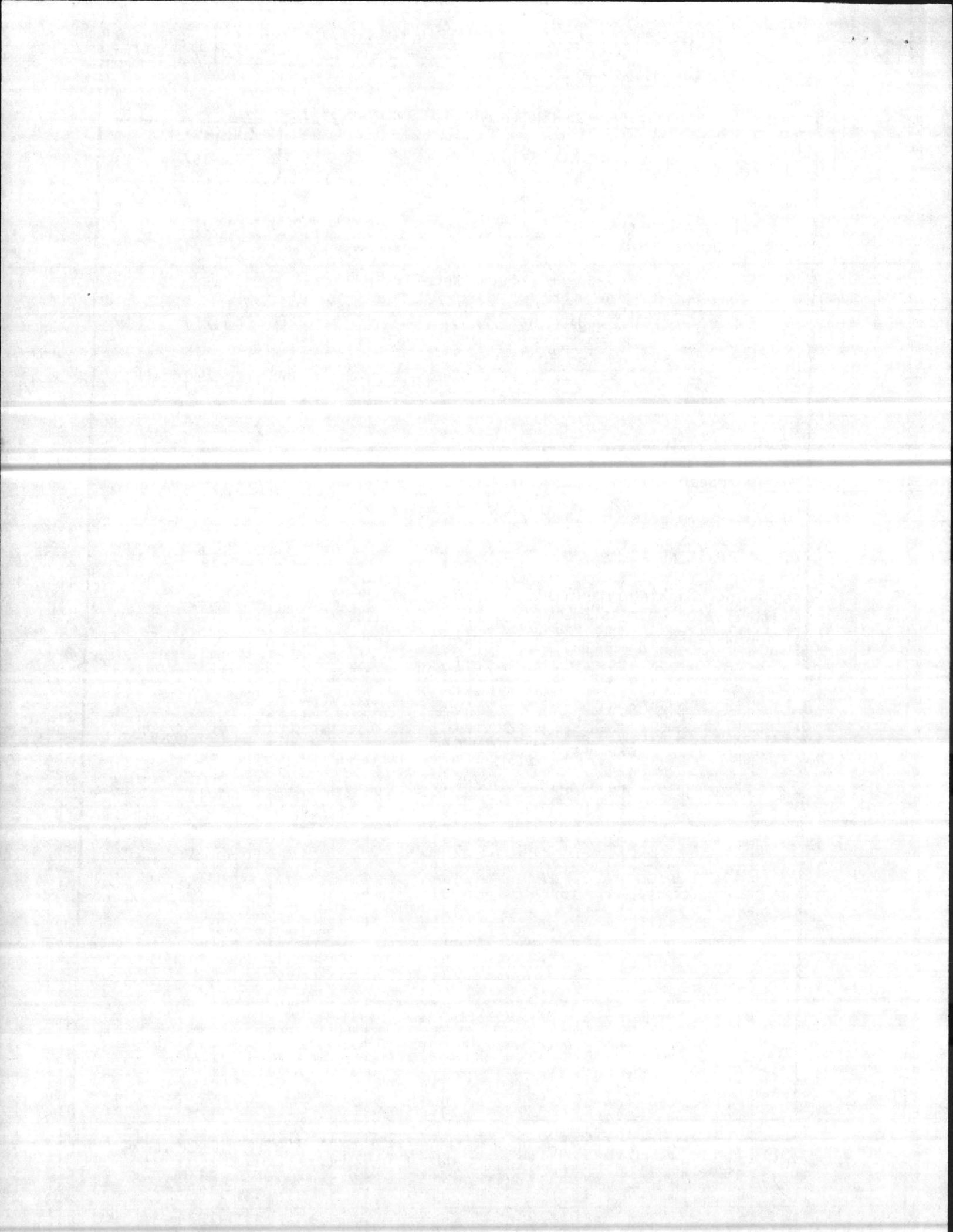
- (c) Investment Items: None
- (d) APA Equipment - None
- (e) Training Equipment

<u>Description</u>	<u>Qty</u>	<u>Unit of Issue</u>	<u>Unit Price</u>	<u>Total Cost</u>
Movie Projector	2	EA	630	1,260
Movie Screen	2	EA	120	240
Overhead Projector	2	EA		824
TOTAL TRAINING ITEMS				\$ 2,324

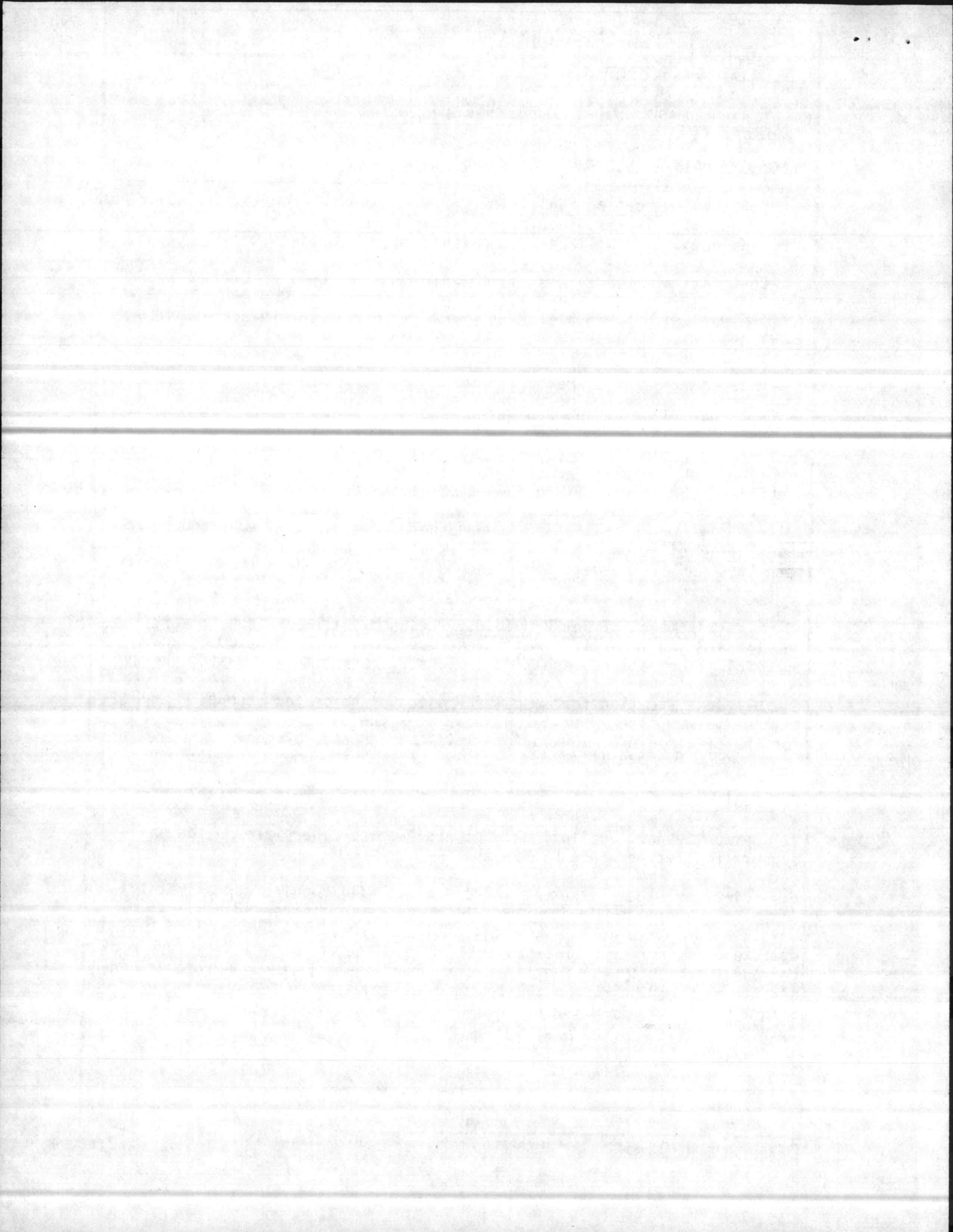
Shipping, Packing, Handling, Installation Charges & Contingencies - 10% 232

- (f) Equipment on Hand - None
- (g) Summary

Expense Cost (O&MMC)	89,617
Training Cost (O&MMC)	2,324
TOTAL	\$ 91,941



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3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE ELEC/COMM MAINTENANCE SHOP	5. PROJECT NUMBER P-167	
<p>(4) <u>Supporting Facilities.</u> Special piling, foundation, solar hot water system, collateral equipment, site improvement, pollution abatement, etc. No demolition will be accomplished on this project.</p> <p>4. <u>Cost Estimate.</u> Area cost factor for Camp Lejeune, N. C. is 0.95. Cost data derived from the Military Construction Cost Review Guide, FY-82 (DOD 4270.1-CG), and escalated to FY-82 to provide for this proposed facility.</p> <p>5. <u>Justification for Project and for Scope of Project.</u></p> <p>a. <u>Justification for Project.</u></p> <p>(1) <u>Project.</u> Proposed facilities are required to provide a Communication Battalion adequate and secure facilities to perform electronic and communications equipment maintenance.</p> <p>(2) <u>Current Situation.</u> Personnel are working in substandard and makeshift facilities, temporary WW-II Butler type metal buildings with open bays and oil space heaters and no heads, located in the Hadnot Point area.</p> <p>(3) <u>Impact if Not Provided.</u> Personnel will continue to work in substandard and makeshift facilities resulting in time consuming and inefficient operations resulting in loss of work time and wasted energy.</p> <p>b. <u>Justification for Scope of Project.</u> The project scope, 11,725 SF, is the minimum size facility that can meet the deficiency requirement for the electronic/communications maintenance needs of the Communication Bn of 2d FSSG. See Item 13.</p> <p>6. <u>Equipment Provided from Other Appropriations.</u> Not applicable.</p> <p>7. <u>Common Support Facilities.</u> Not applicable. There are no common support facilities available in the French Creek area.</p> <p>8. <u>Effect on Other Resources.</u> The project will require approximately \$4,072 per year in increased O&MMC funds for increased utility services and operations. No additional personnel will be required to operate this facility. The project will enhance and improve the morale of personnel presently working in widely dispersed facilities. Proposed construction should be responsive to the challenges presented by the energy situation and comply with the requirements of Executive Order 12003 of 20 July 1977 and implemented by NAVFACINST 4100.5A.</p>		



NAVY

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE

ELEC/COMM MAINTENANCE SHOP

5. PROJECT NUMBER

P-167

Utility Requirements

a. Electricity	Consumption	40,166	KWHR/yr
	Peak Demand	25	KW
	Avg Demand	23	KW
b. Steam	Consumption	1,801,633	lbs/yr
	Demand	645	lbs/hr
c. Coal		70.4	tons/yr
d. Adequate utility requirements are available.			

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

10. Other Graphic Presentations, including Photographs. NONE

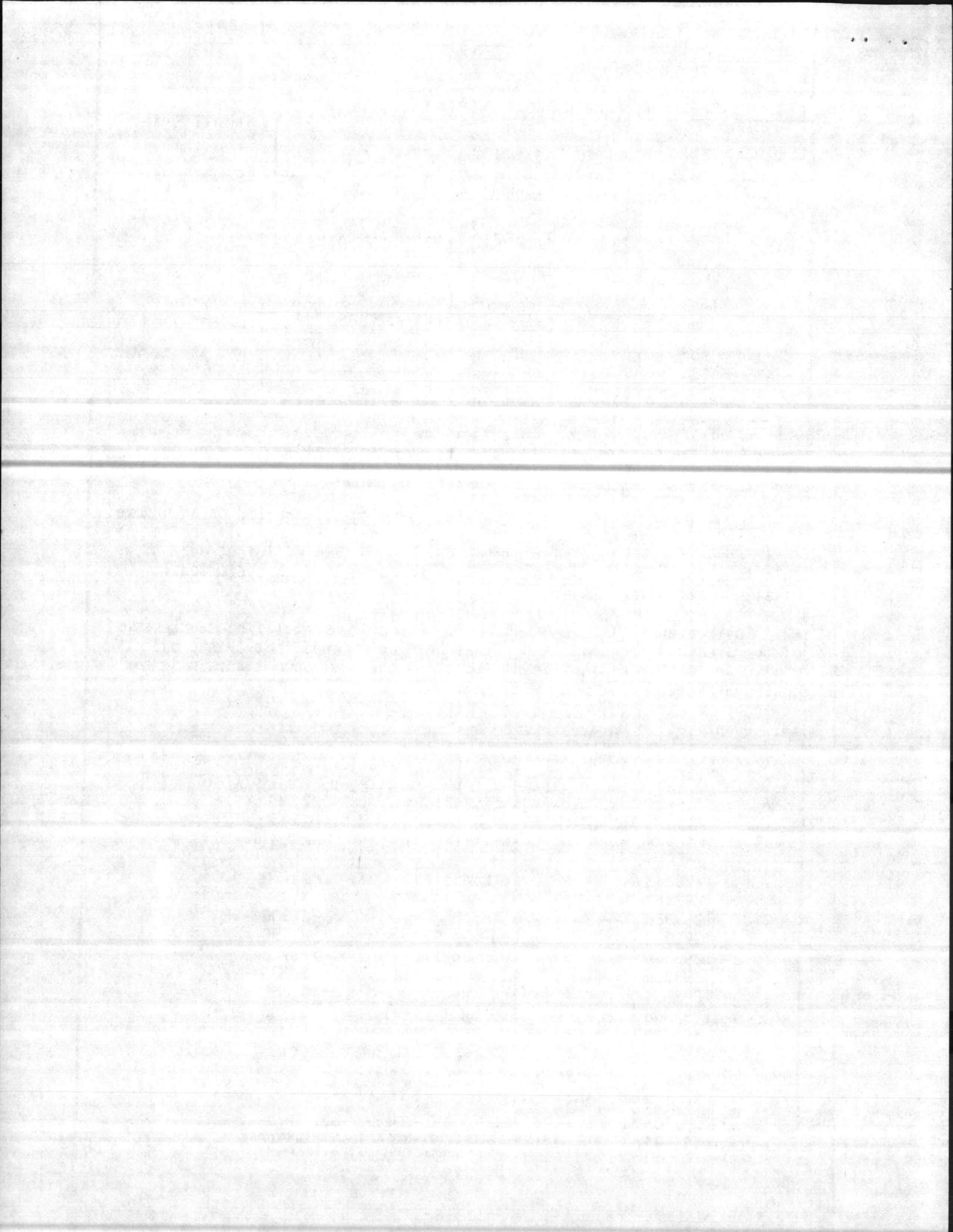
11. Economic Analysis. This facility is being constructed on an undeveloped site adjacent to a developed area. Economic savings will be in nominal energy consumption savings to be realized from efficient operations. This is a military operational project in support of an operational mission located in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

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

13. Quantitative Data.

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

<u>NAVFAC DWG #</u>	<u>ACTIVITY</u>	<u>AREA S.F.</u>	
1293363	2d Radio Bn	9,750	U.C.
1293362	H&S Bn	3,950	
1293366	Maint Bn	3,300	
1293361	Lnd Sup Bn	6,100	
1293365	Comm Bn	11,725	
1293366	MT Bn	3,300	
1293364	Engr Bn	4,760	
1293366	Sup Bn	3,300	U.P.
TOTAL:		46,185	



3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

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

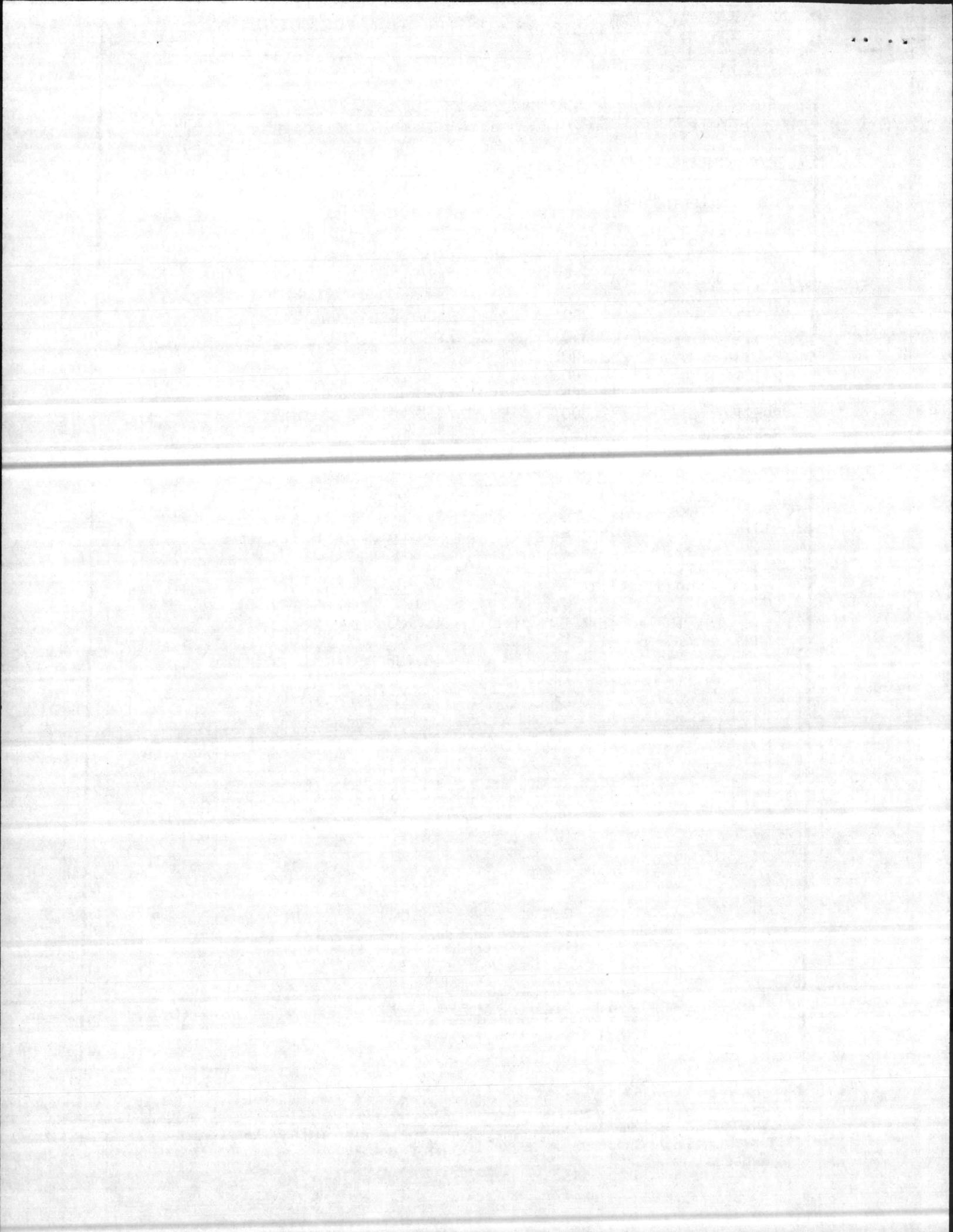
b. Existing Facilities. NONE

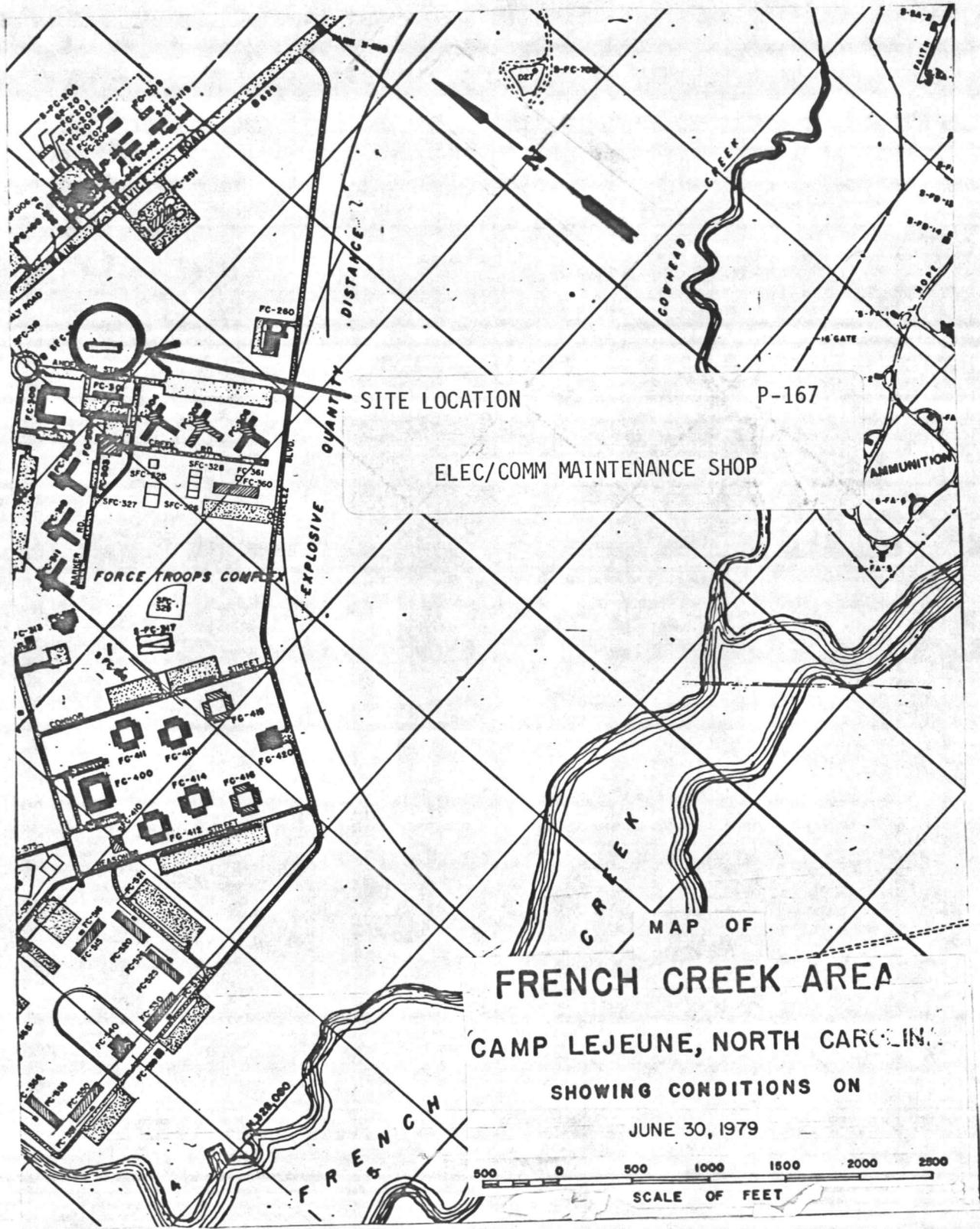
c. Planned Facilities.

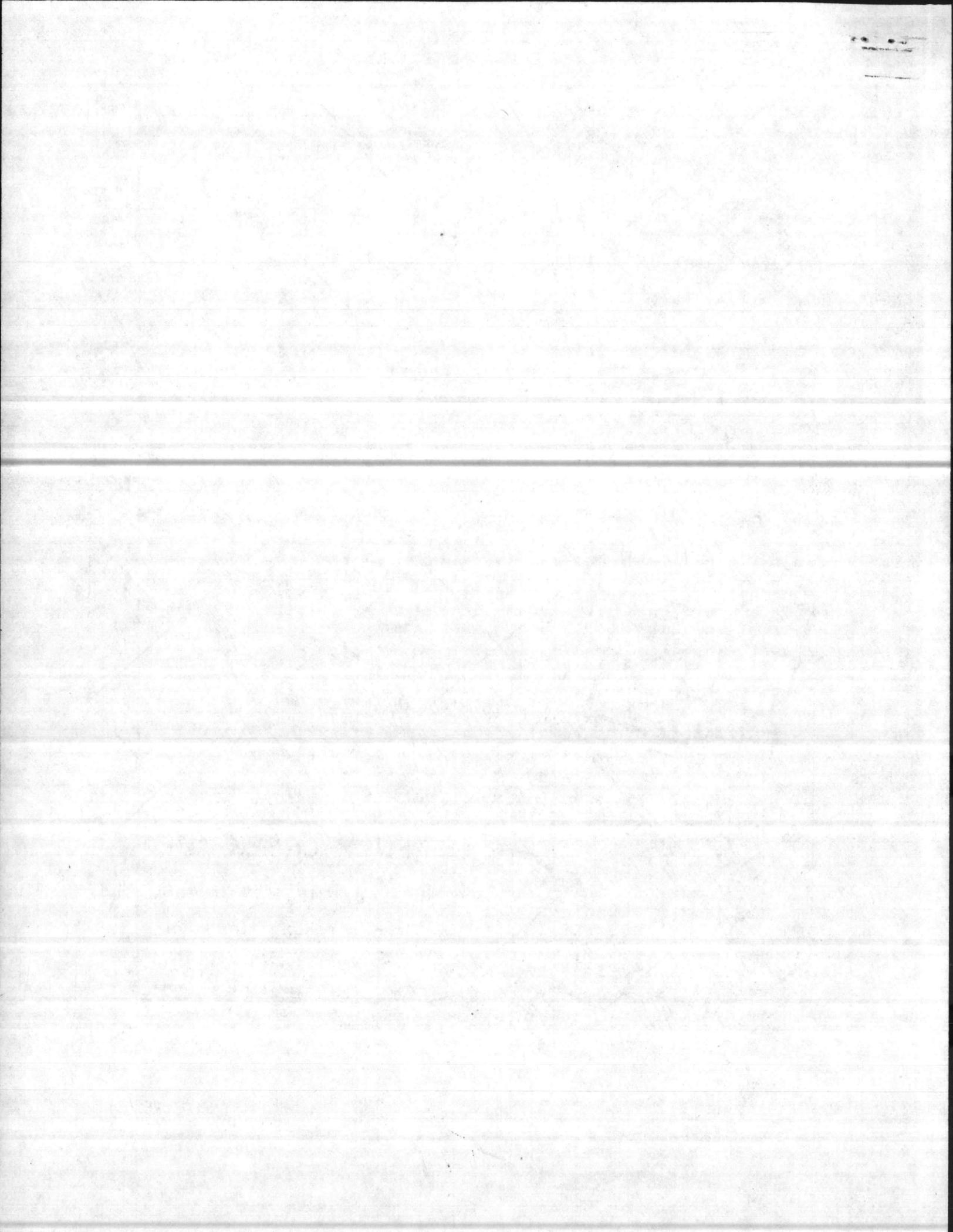
<u>Project No.</u>	<u>Area SF</u>	<u>Status</u>
P-117	9,750	Under Construction
P-505	3,950	FY-84 Program
P-538	3,300	FY-84 "
P-564	6,100	FY-84 "
P-167	11,725	FY-86 "
P-541	3,300	FY-87 "
P-542	4,760	FY-87 "
P-543	3,300	U.P.

SUBTOTAL 46,185

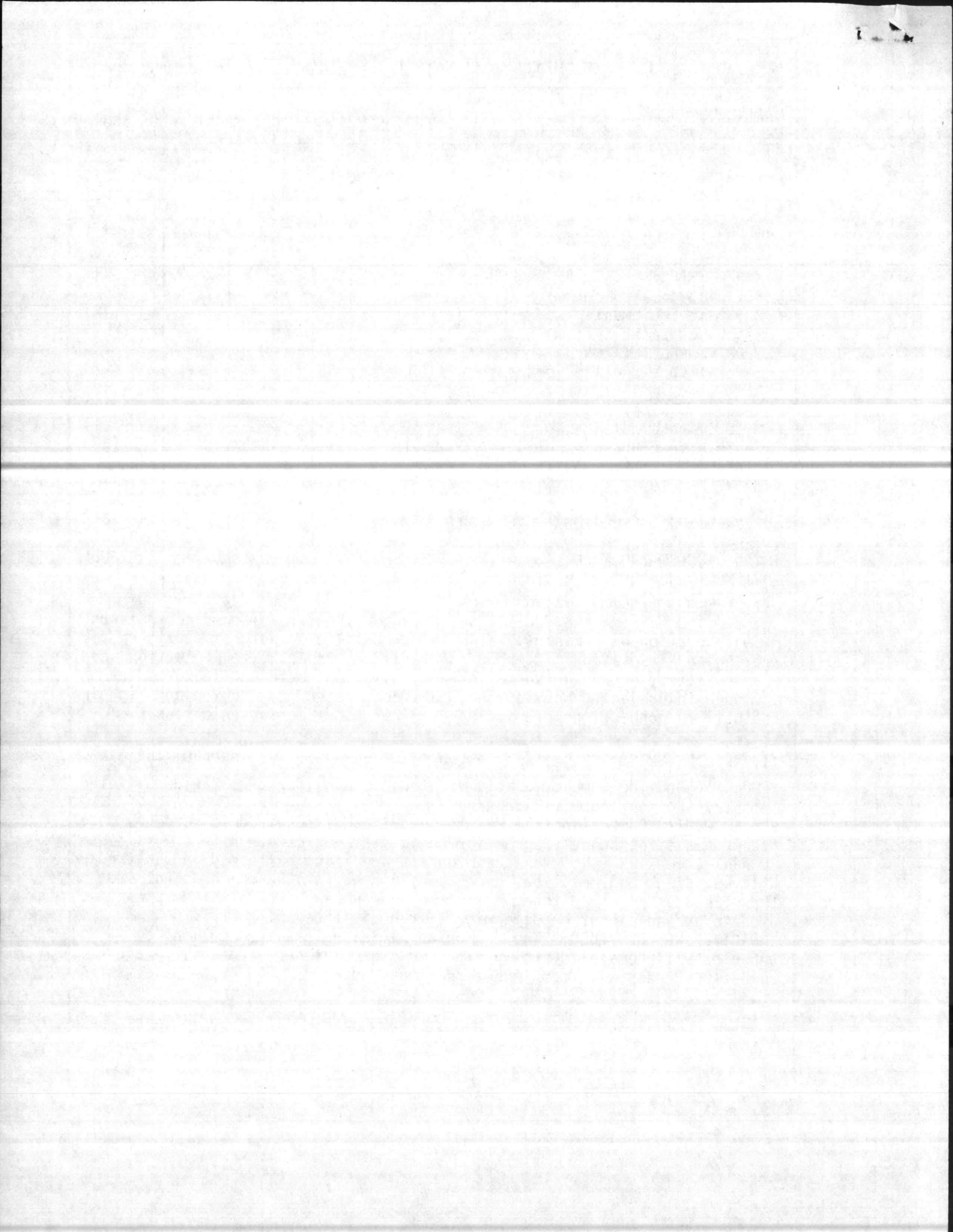
d. Existing Adequate Facilities	0
Planned Facilities	<u>46,185</u>
 Total Planned & Existing	 46,185
 BFRL TOTAL	 46,185



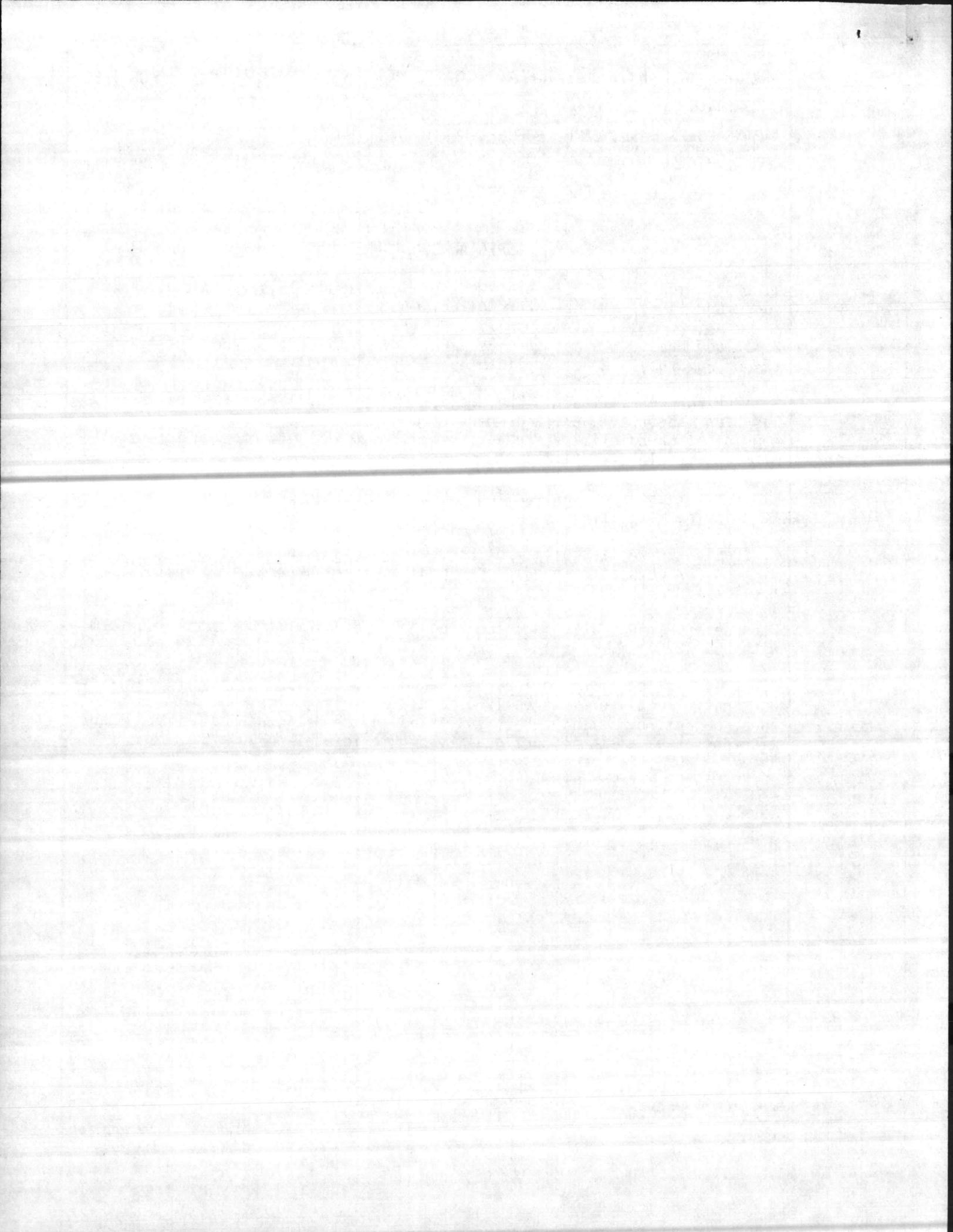




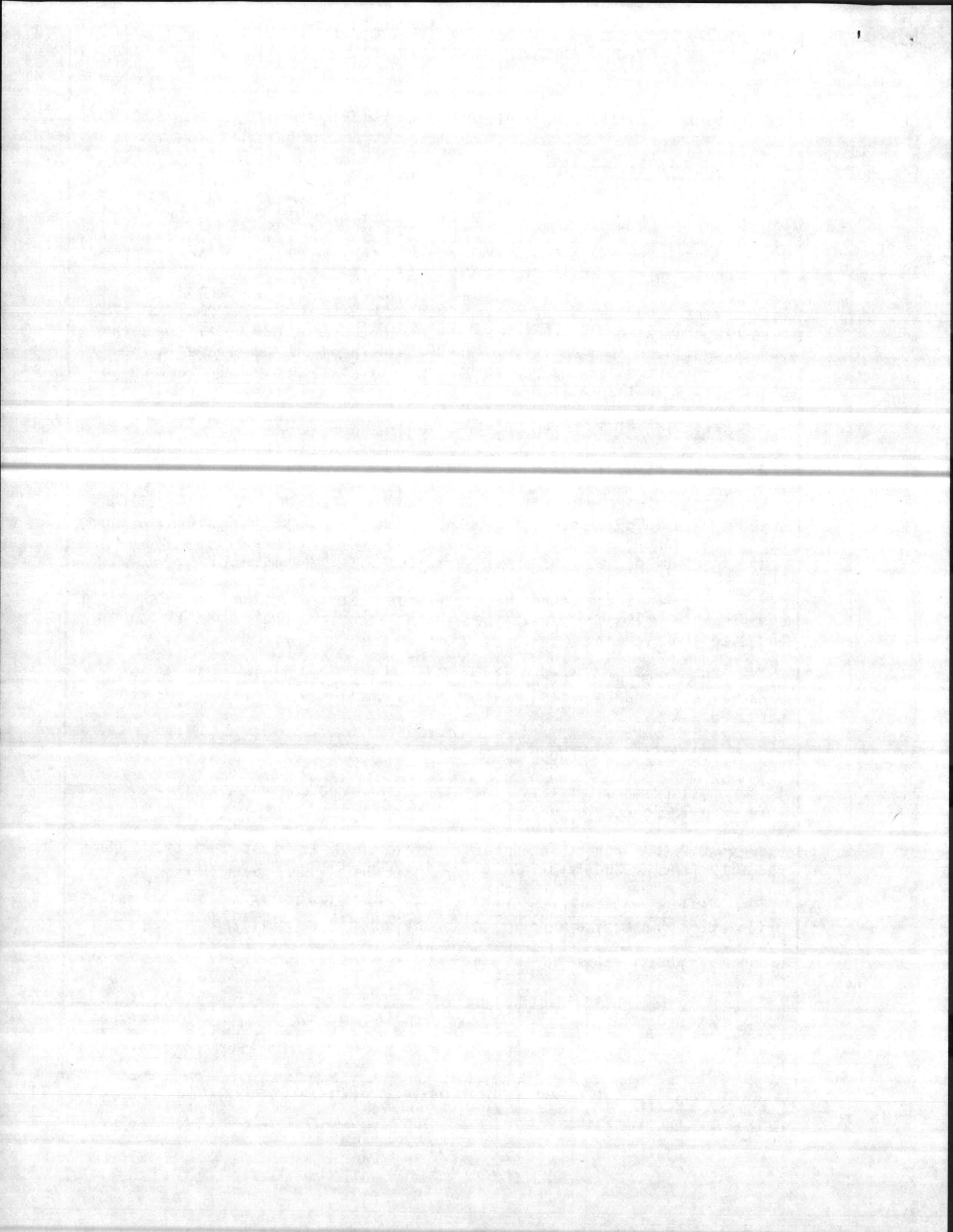
1. COMPONENT NAVY		FY 19 86 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 1 AUG 1980	
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA 28542				4. PROJECT TITLE COMBAT VEHICLE MAINTENANCE SHOP		
5. PROGRAM ELEMENT		6. CATEGORY CODE 214-51	7. PROJECT NUMBER P-196		8. PROJECT COST (\$000) 2,600	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
COMBAT VEHICLE MAINTENANCE SHOP		SF	25,915	76.19	1,974	
Building		SF	25,915	71.46	(1,852)	
Built-in Equipment		LS	-	-	(70)	
Solar Hot Water System		LS	-	-	(52)	
SUPPORTING FACILITIES					376	
Special Construction Features		LS	-	-	(22)	
Utilities		LS	-	-	(112)	
Roads, Parking, Sidewalks		LS	-	-	(141)	
Site Improvements		LS	-	-	(61)	
Vehicle Wash Apron w/Pollution Control		SY	800	50.00	(40)	
SUBTOTAL					2,350	
CONTINGENCY (5%)					118	
TOTAL CONTRACT COST					2,468	
SUPERVISION, INSPECTION & OVERHEAD (5.5%)					136	
TOTAL REQUEST					2,604	
TOTAL REQUEST (ROUNDED)					2,600	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS						
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
Two-storied 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, energy conservation and pollution abatement features are included in project. Wash aprons, pavements, security fencing and lighting and utility connections are included. (Air Conditioning - 10 tons)						
11. REQUIREMENTS: 278,142 SF. ADEQUATE: 27,613 SF. SUBSTANDARD: 164,070 SF						
PROJECT: Provide Combat Vehicle Maintenance Shop for a 2d Marine Division Infantry Regiment in Division Area 4.						
REQUIREMENT: Combat Vehicle Maintenance Shop is required to carry out the prescribed maintenance program for Regimental vehicles.						
CURRENT SITUATION: Maintenance programs are being performed in substandard WWII buildings and metal buildings constructed in 1952 which do not meet the standards required to maintain the modern, sophisticated equipment used today and cannot be economically rehabilitated.						
IMPACT IF NOT PROVIDED: The 2d Marine Division Infantry Regiment's vehicles will remain adversely affected and maintenance capability and combat readiness will continue to be impaired.						
EGJ						



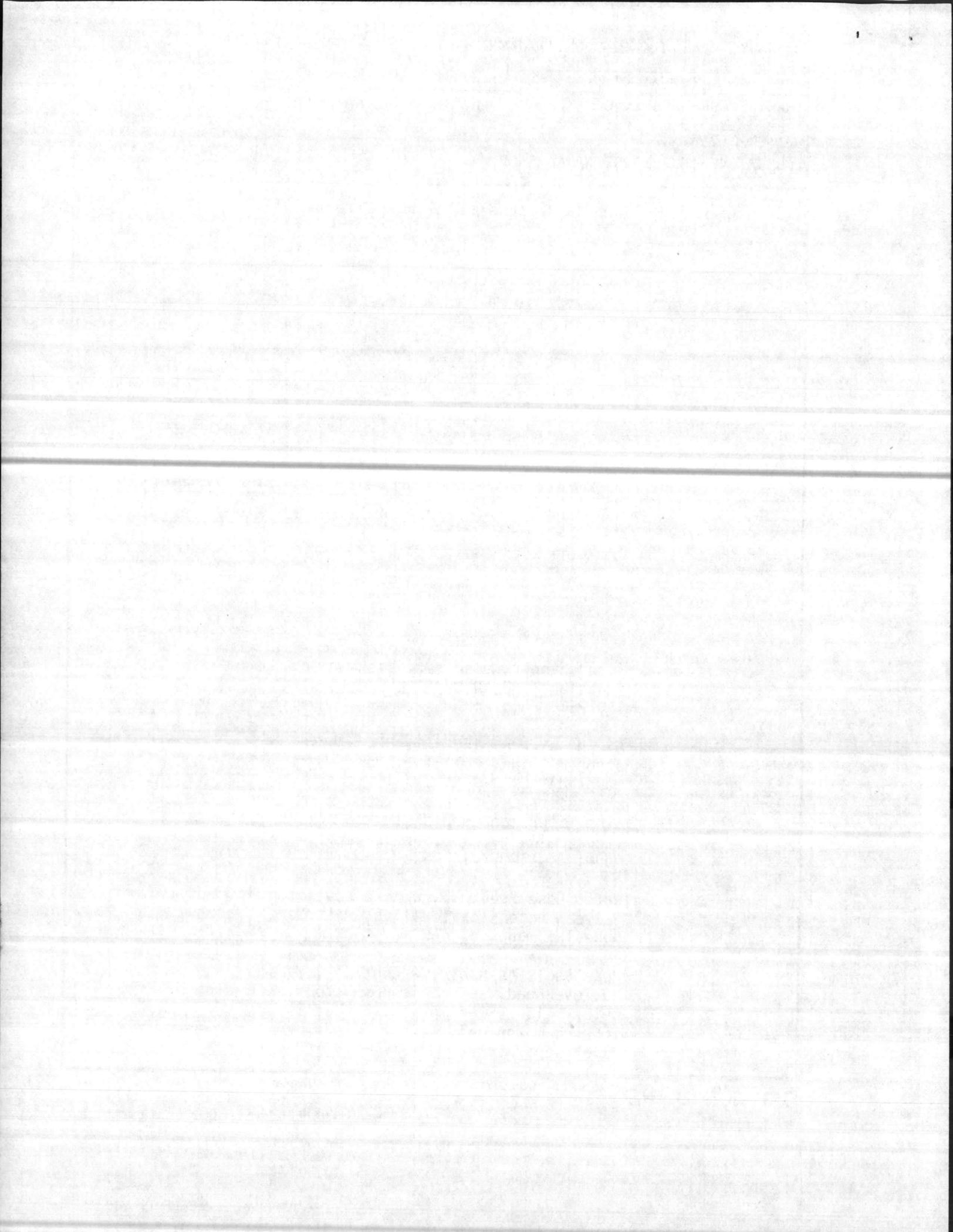
1. COMPONENT NAVY	FY 19 <u>85</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE COMBAT VEHICLE MAINTENANCE SHOP	5. PROJECT NUMBER P-196	
<p style="text-align: center;"><u>SPECIAL CONSIDERATIONS</u></p> <ol style="list-style-type: none"> 1. <u>Pollution Prevention, Abatement, and Control</u>: This project will not cause additional air or water pollution. 2. <u>Flood Hazard Evaluation</u>: Requirements of Executive Order No. 11296 (Flood Hazards) are not applicable. 3. <u>Environmental Impact</u>: The project Environmental Impact Assessment has been made, reviewed, and where required, the design concepts give consideration to eliminating adverse environmental effects consistent with applicable directives. 4. <u>Fallout Shelter Construction</u>: Fallout shelter protection is incorporated in the facility. 5. <u>Design for Accessibility of Physically Handicapped Personnel</u>: Provisions for physically handicapped personnel are not required in this facility. 6. <u>Use of Air Conditioning</u>: Ceiling "U" factors will be made to conform with DOD 4270.1-M. 7. <u>Preservation of Historical Sites and Structures</u>: The project facility does not directly or indirectly affect a district, site, building, structure, object, or setting which is listed in the National Register or otherwise possesses a significant quality of American history. 		



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4. PROJECT TITLE COMBAT VEHICLE MAINTENANCE SHOP	5. PROJECT NUMBER P-196	
<p style="text-align: center;"><u>FACILITY STUDY</u></p> <p>1. <u>Project</u>. Provide a Combat Vehicle Maintenance Shop for the 2d Marine Division Infantry Regiment in Division Area 4.</p> <p>2. <u>Current and Planned Future Workload with Regard to This Project</u>. The 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.</p> <p>3. <u>Description of Proposed Construction</u>.</p> <p style="padding-left: 2em;">a. <u>Type of Construction</u>.</p> <p style="padding-left: 4em;">(1) Permanent two-story wheel and tracked Combat Vehicle Maintenance Shop 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.</p> <p style="padding-left: 4em;">(2) Reinforced concrete wash aprons with pollution controls, rigid and flexible walks and parking pavements, security fencing and lighting, and site improvements.</p> <p style="padding-left: 2em;">b. <u>Replacement</u>. Not applicable. Existing facilities will be temporarily <u>utilized</u> to satisfy deficiencies until new facilities are constructed.</p> <p style="padding-left: 2em;">c. <u>Description of Work to be Done</u>.</p> <p style="padding-left: 4em;">(1) <u>Primary Facility</u>. Modular reinforced concrete/masonry structure on pile foundation.</p> <p style="padding-left: 6em;">(a) <u>Support Facilities</u>. Rigid and flexible pavements, security fencing and lighting, utilities, and site improvement.</p> <p style="padding-left: 4em;">(2) <u>Energy Conservation</u>. Energy efficient equipment and building orientation for maximum energy conservation will be utilized.</p> <p style="padding-left: 4em;">(3) <u>Collateral Equipment</u>.</p> <p style="padding-left: 6em;">(a) <u>Built-in MCON Funded</u>.</p>		



1. COMPONENT NAVY	FY 1985 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE COMBAT VEHICLE MAINTENANCE SHOP	5. PROJECT NUMBER P-196	
<ul style="list-style-type: none"> *Venetian Blinds and Window Screens *Air conditioning, Heating & Ventilating Systems *Interior Steam System *Plumbing System *Compressed Air System *Used Oil System *Vehicle Fueling System *Sprinkler System *Telephone, Fire Alarm, and Intercom Systems *Drinking Water Coolers *Lockers *Chalkboards *Tire Changer, elec-air, Bishman Co., fractional HP, 280V, 3 phase, 3 wire, 150 PSI, comp air *Air Hose Reel, 150 PSI, HD, w/hose stop (ceiling, wall, or pedestal mounted) *Elec Extension Cord Reel, HD, w/cord stop (ceiling, wall, or pedestal mounted), 120V, 1 phase *Water Hose Reel, HD, w/hose control valve & hose stop (ceiling, wall, or pedestal mounted), CW *Hose Reels Assembly, w/control valves, HD, overhead, automatic hose stops, & meters, 150 PSI comp air, 1 chassis tube, 2 motor oil, 1 gear oil, provide water separator 		



1. COMPONENT NAVY	FY 1985 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980
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3. INSTALLATION AND LOCATION
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

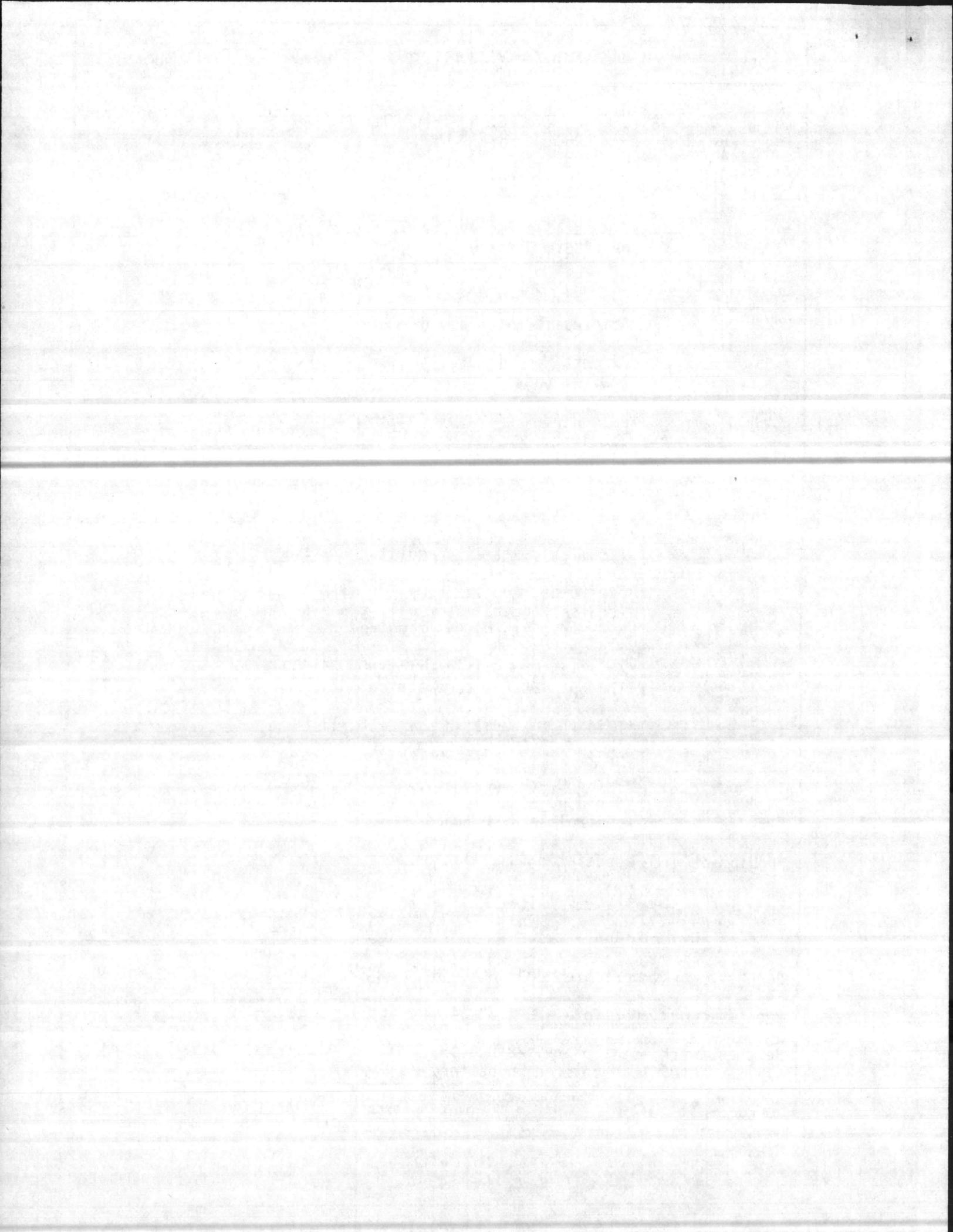
4. PROJECT TITLE COMBAT VEHICLE MAINTENANCE SHOP	5. PROJECT NUMBER P-196
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- *Exhaust System, overhead, fractional HP, 208V, 3 phase
- *Deluge Shower, w/eye wash, CW
- *Acid Resistant Sink, CW
- *Exhaust Hood (over), fractional HP, 120V, 1 phase
- *Pass Window 4' wide w/counter & "B" label roll down shutter (w/fusible link), if required
- *Counter, dispatchers
- *Lube Dispensing Equipment, w/access. (couplers, valves, regulators, etc.)
- *Air Pumps, 400 lb drums for oil (chassis, gear, motor oil, trans & hydraulic fluid), as required
- *Twin Post Pneumatic Lift, HD, 24,000 lb cap, 150 PSI comp air
- *Twin Post Pneumatic Lift, LD, 11,000 lb cap, 150 PSI comp air
- *1 Ton Overhead Monorial, 10 HP, 208V, 3 phase, 60 cycle, 120V power to controls and switches

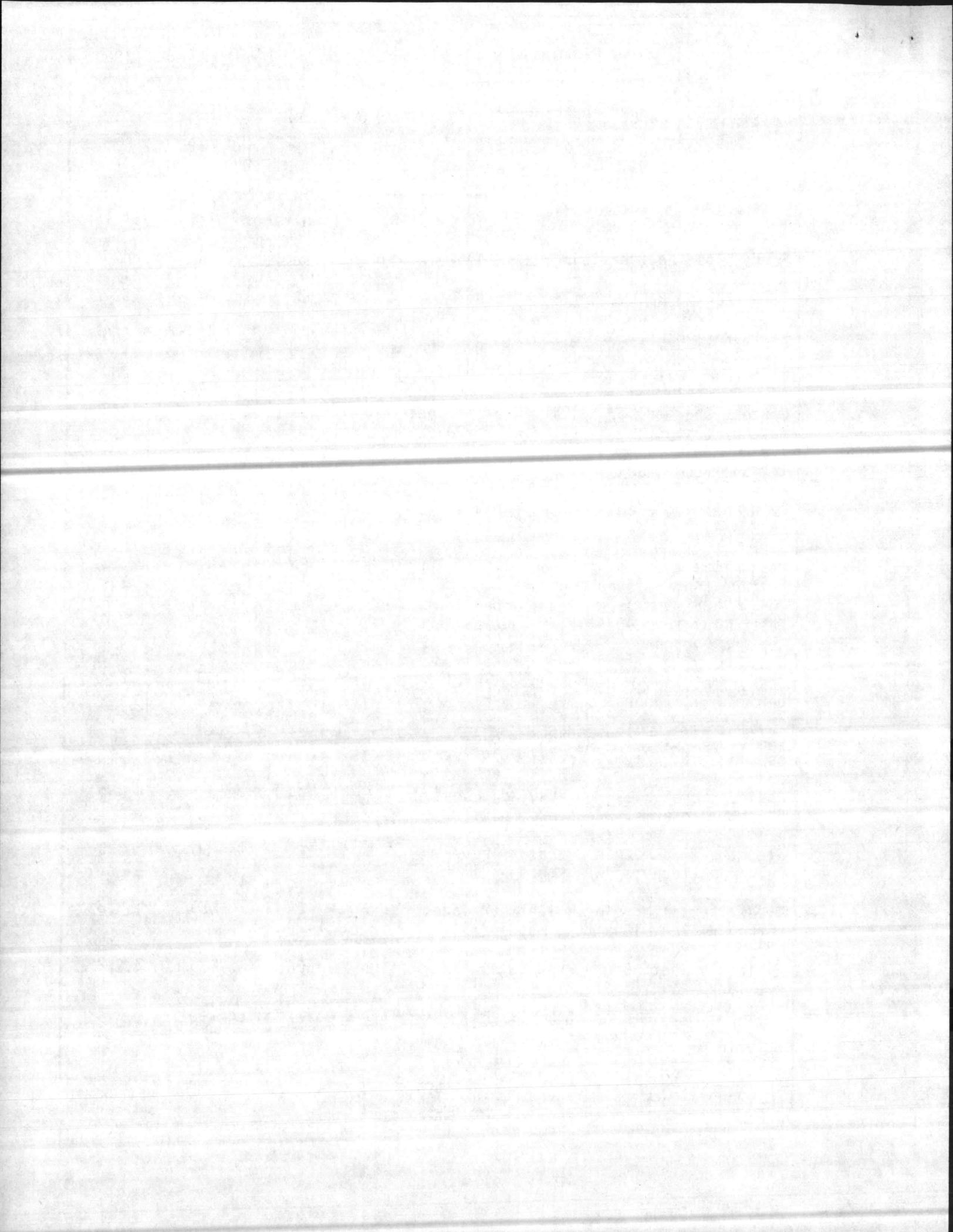
*Equipment with associated installation cost.

(b) Expense Items.

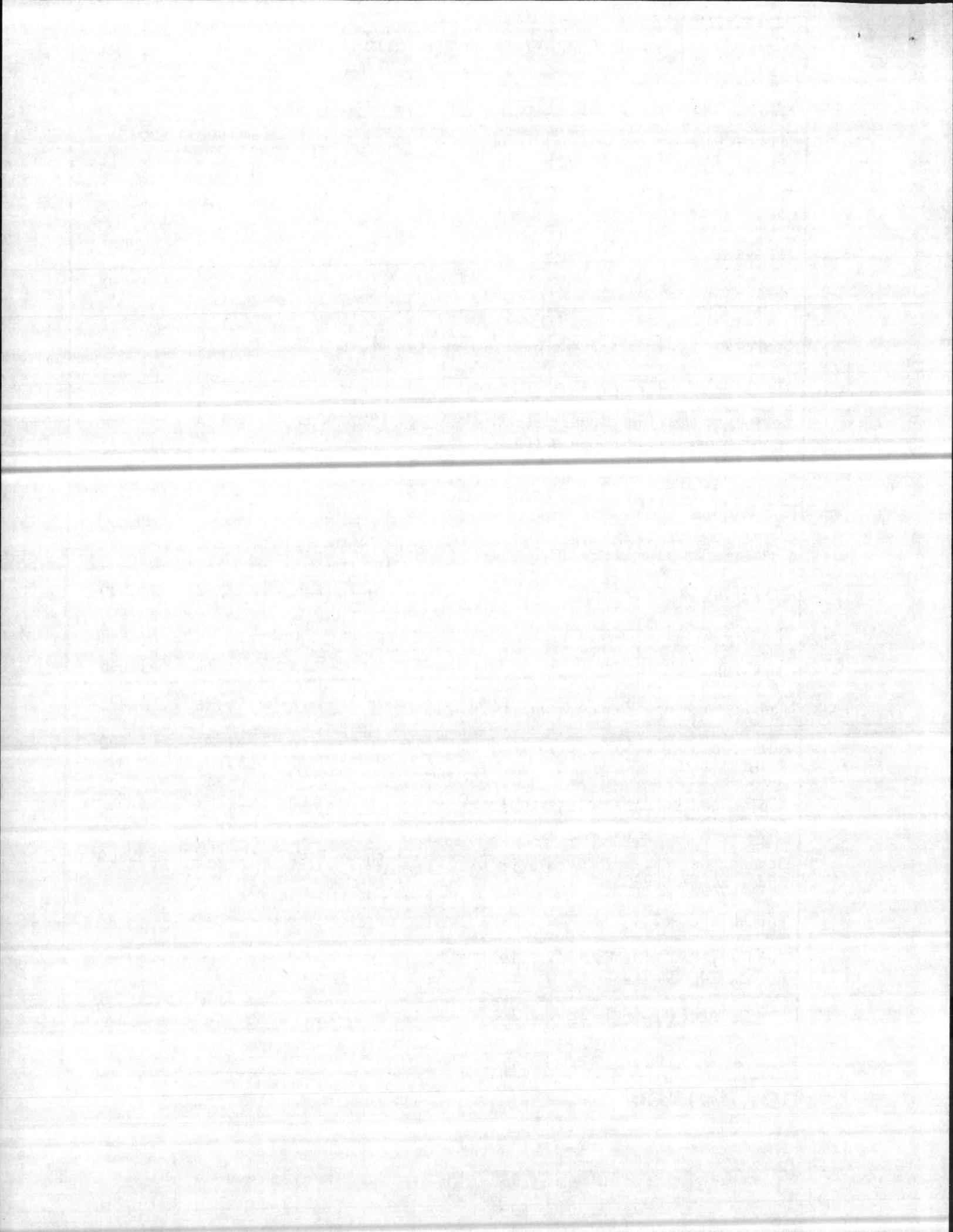
Description	Qty	Units	Unit\$	Total\$
Benches, work, portable, 48"x28"x34"H	14	EA	205	2,870
Benches, work, portable, 72"x28"x34"H	4	EA	257	1,028
Benches, work, stationary, 28"Dx34"H, stl top, std, lead covered in battery sh	6	EA	325	1,950



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1. COMPONENT NAVY	FY 1985 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980
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3. INSTALLATION AND LOCATION
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE COMBAT VEHICLE MAINTENANCE SHOP	5. PROJECT NUMBER P-196
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<u>Description</u>	<u>Qty</u>	<u>Units</u>	<u>Unit\$</u>	<u>Total\$</u>
Shipping, Packing, Handling, Installation Charges & Contingencies - 10%				3,716
(c) <u>Investment Items</u> - None				
(d) <u>APA Equipment</u> - None				
(e) <u>Training Equipment</u>				
Movie Projector	2	EA	570	1,140
Movie Screen	2	EA	103	206
Overhead Projector	2	EA	342	684
TOTAL TRAINING EQUIPMENT				2,030
Shipping, Packing, Handling, Installation Charges & Contingencies - 10%				203
(f) <u>Equipment on Hand</u> - None				
(g) <u>Summary</u>				
Expense Cost				41,078
Training Equipment				2,030
GRAND TOTAL				43,108

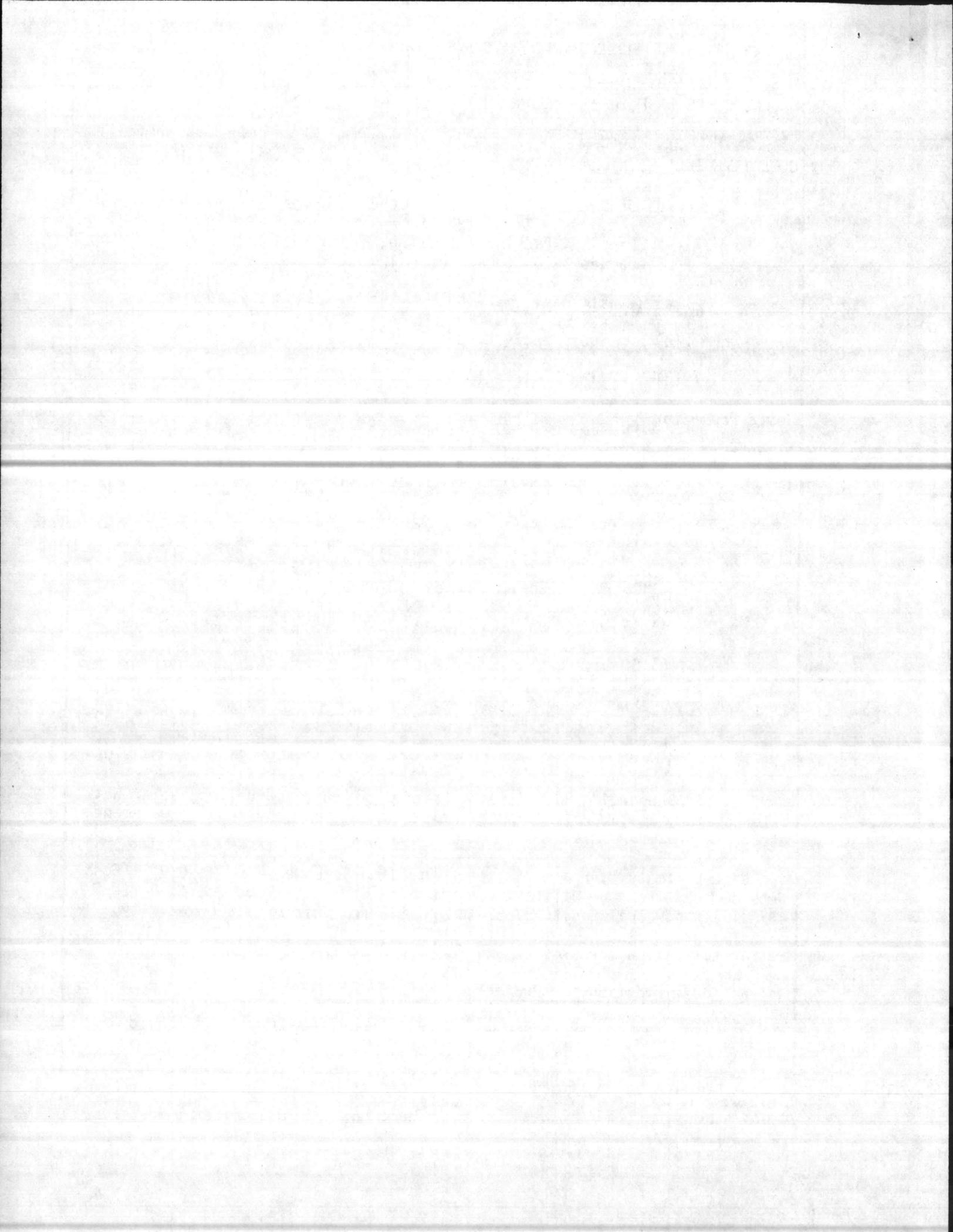
(4) Supporting Facilities. Special piling, foundation, solar hot water system, collateral equipment, site improvement, pollution abatement, etc.

4. Cost Estimate. Area cost factor for Camp Lejeune, N.C. is 0.95. Cost data derived from the Military Construction Cost Review Guide, FY-82 (DOD 4270.1G), and escalated to FY-82 to provide for this proposed facility.

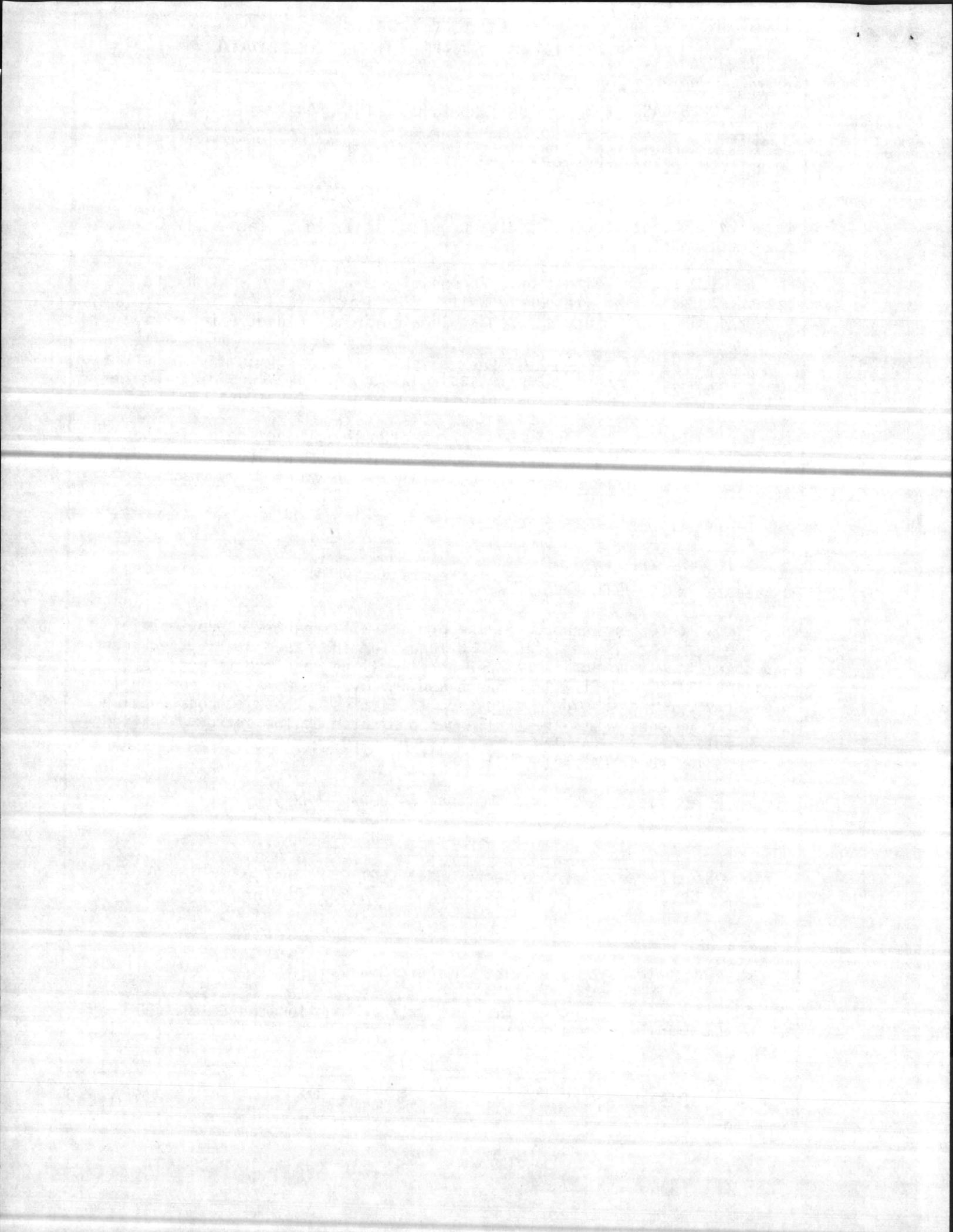
5. Justification for Project and for Scope of Project.

a. Justification for Project.

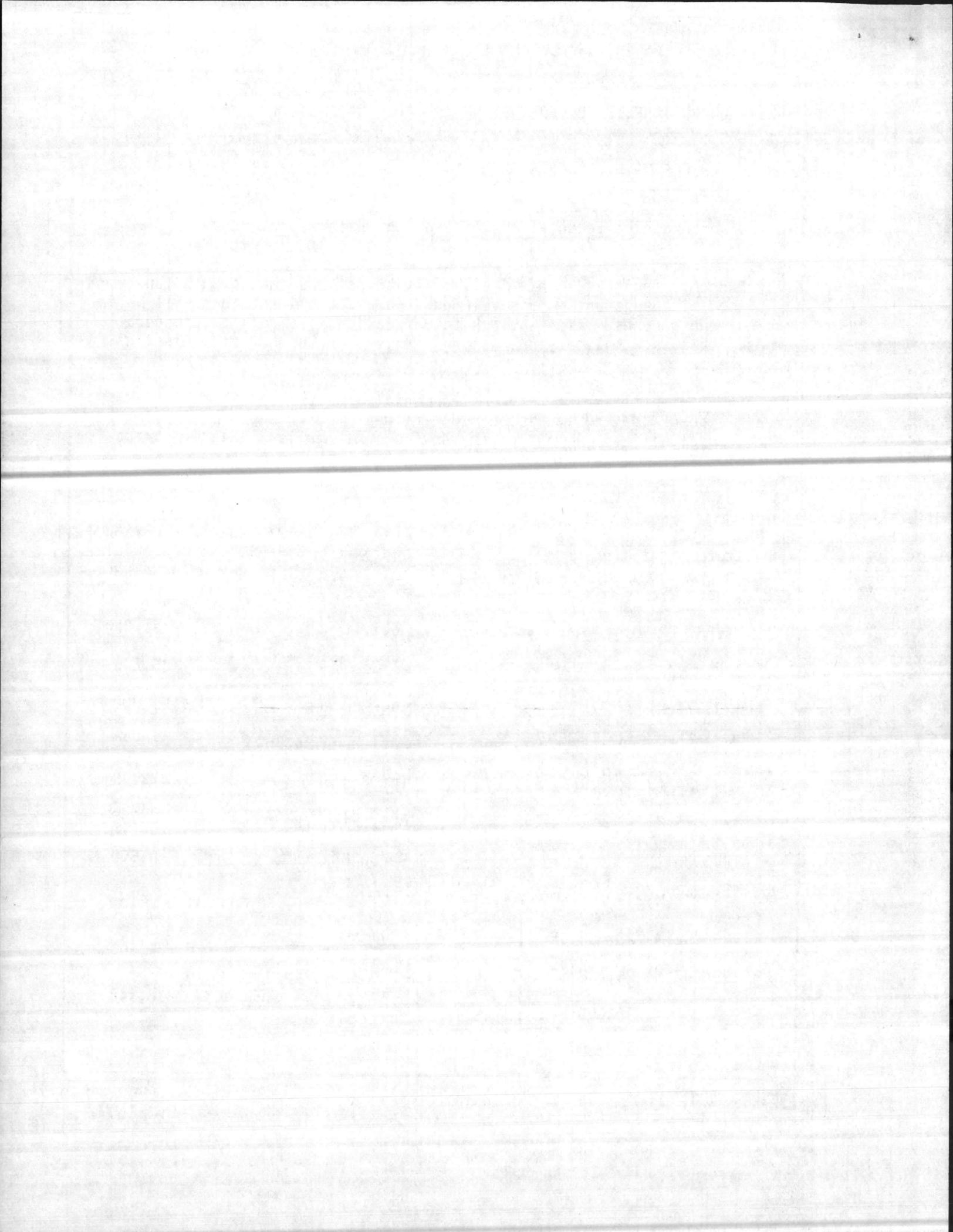
(1) Project. Proposed facility is required to provide the 2d



1. COMPONENT NAVY	FY 19 <u>85</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980																												
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<p>Infantry Regiment adequate and secure facilities to perform combat vehicle equipment maintenance.</p> <p>(2) <u>Current Situation.</u> Personnel are working in substandard and makeshift facilities, temporary WWII Butler type metal buildings with open bays and oil space heaters for heat located in the Hadnot Point area.</p> <p>(3) <u>Impact if Not Provided.</u> 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.</p> <p>b. <u>Justification for Scope of Project.</u> The project scope is the minimum size facility that can meet the deficiency requirements of 25,915 SF of space to replace the existing facilities presently in use. See Item 13.</p> <p>6. <u>Equipment Provided from Other Appropriations.</u> Not applicable.</p> <p>7. <u>Common Support Facilities.</u> There are no common support facilities available in the Hadnot Point area.</p> <p>8. <u>Effect on Other Resources.</u> The project will require approximately \$22,000 per year in increased O&MMC funds for increased utility services and operations. No additional personnel will be required to operate this facility. The project will enhance and improve the morale of personnel presently working in widely dispersed facilities. Proposed construction should be responsive to the challenges presented by the energy situation and comply with the requirements of Executive Order 12003 of 20 July 1977 and implemented by NAVFACINST 4100.5A.</p> <table border="0"> <tr> <td>a. Electricity</td> <td>Consumption</td> <td>84,800</td> <td>KWHR/yr</td> </tr> <tr> <td></td> <td>Peak Demand</td> <td>66</td> <td>KW</td> </tr> <tr> <td></td> <td>Avg. Demand</td> <td>48</td> <td>KW</td> </tr> <tr> <td>b. Steam</td> <td>Consumption</td> <td>12,591,580</td> <td>lbs/yr</td> </tr> <tr> <td></td> <td>Demand</td> <td>4,509</td> <td>lbs/hr</td> </tr> <tr> <td>c. Coal</td> <td></td> <td>492.4</td> <td>tons/yr</td> </tr> <tr> <td>d. Adequate utility requirements are available.</td> <td></td> <td></td> <td></td> </tr> </table> <p>9. <u>Siting of the Project.</u> This facility will be located in the 400 Area of Hadnot Point, in keeping with the Camp Lejeune Master Plan. See enclosure (1).</p>			a. Electricity	Consumption	84,800	KWHR/yr		Peak Demand	66	KW		Avg. Demand	48	KW	b. Steam	Consumption	12,591,580	lbs/yr		Demand	4,509	lbs/hr	c. Coal		492.4	tons/yr	d. Adequate utility requirements are available.			
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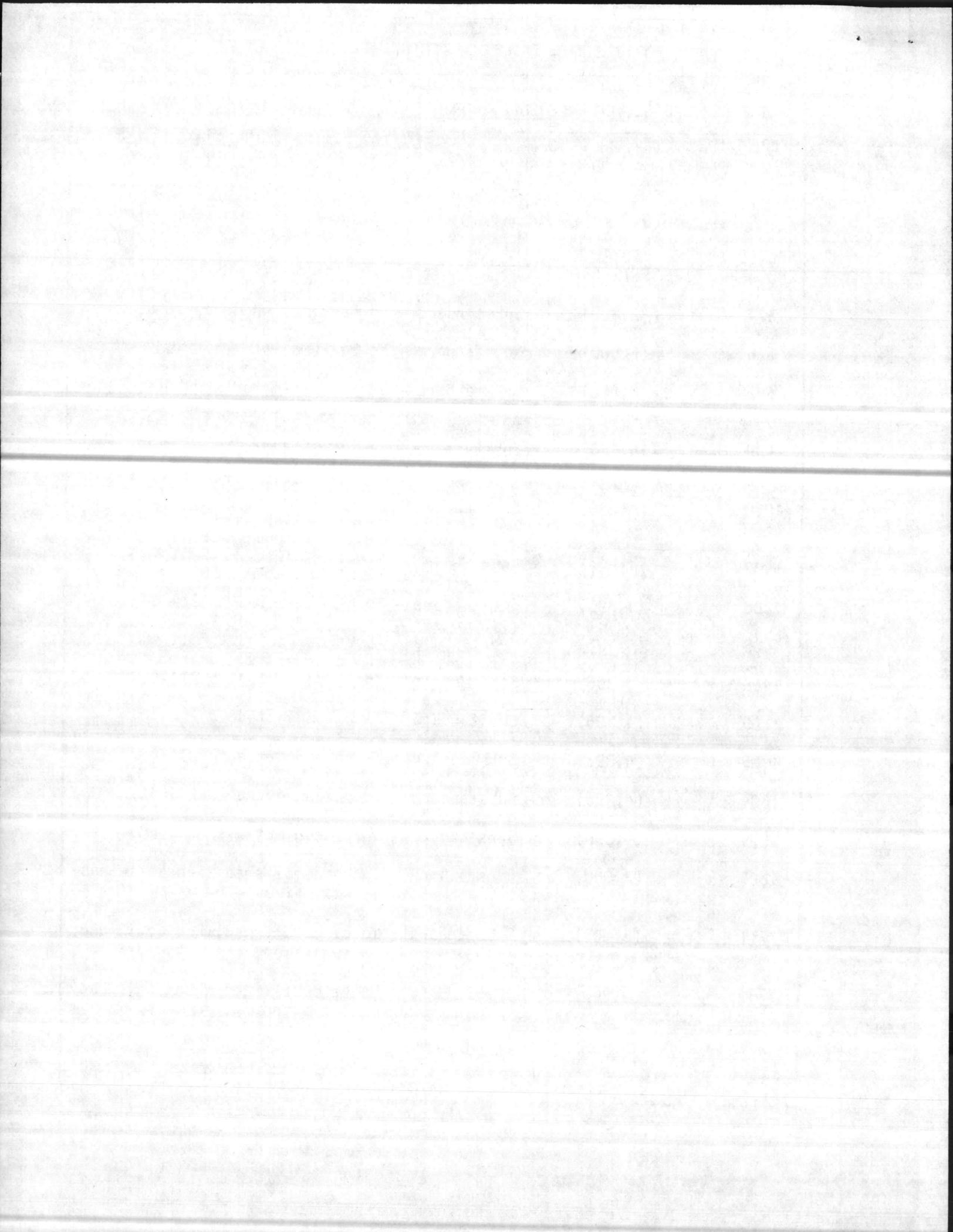
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10. <u>Other Graphic Presentations, including Photographs.</u> <input type="checkbox"/> None <input type="checkbox"/> Enclosure (2)																																											
11. <u>Economic Analysis.</u> This facility is being constructed on an undeveloped site adjacent to a developed area. Economic savings will be in nominal energy consumption savings to be realized from efficient operations. This is a military operational project in support of a mission in this area.																																											
12. <u>Environmental Impact.</u> An environmental impact assessment of the area has been made and it has been determined that this project will have neither a significant impact on the environment nor is it highly controversial.																																											
13. <u>Quantitative Data.</u>																																											
a. <u>BFRL Requirement (Hadnot Point Area (DA)):</u> 278,142 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 278,142 SF.																																											
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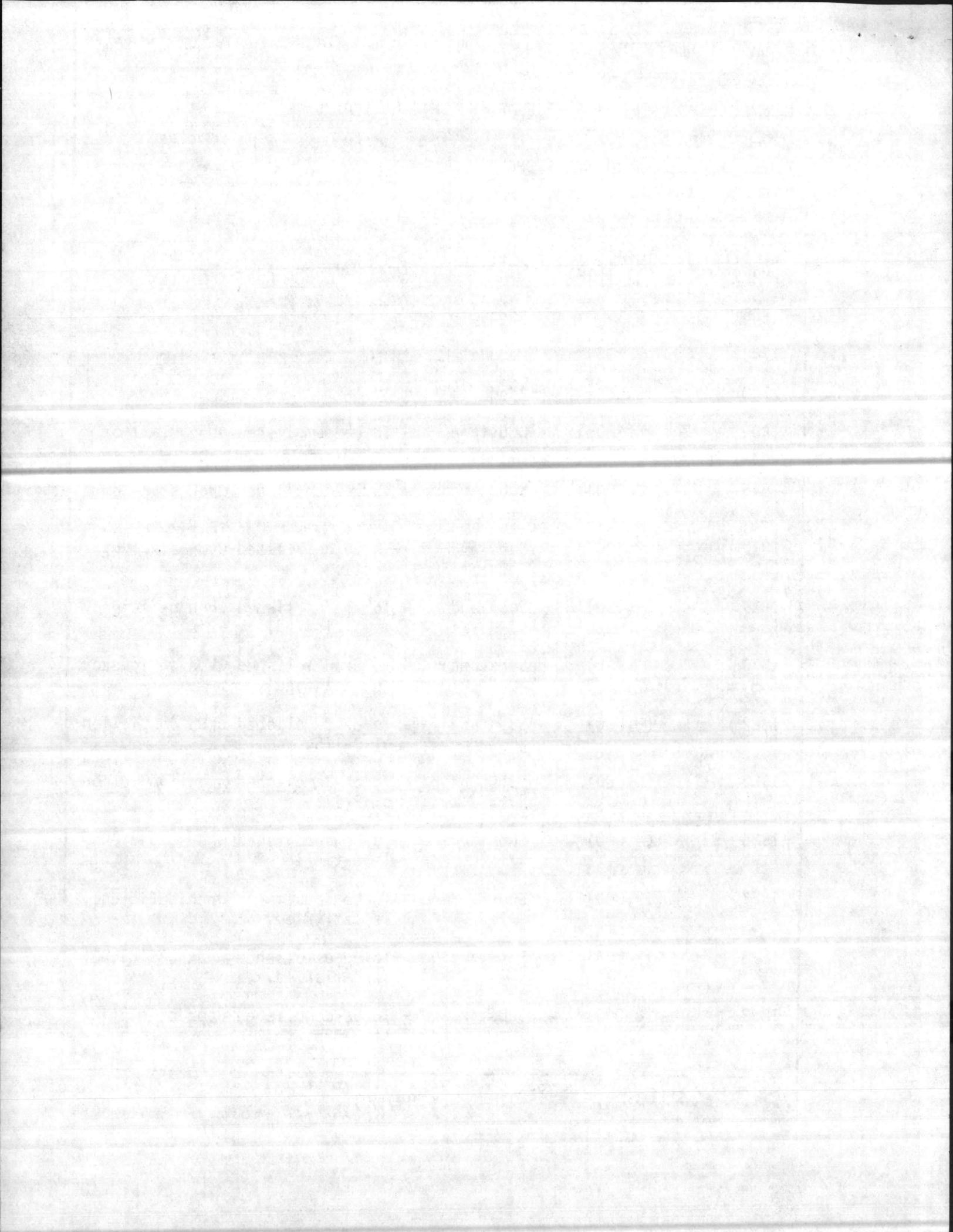
1. COMPONENT NAVY	FY 19 85 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE COMBAT VEHICLE MAINTENANCE SHOP		5. PROJECT NUMBER P-196

b. Existing Assets:

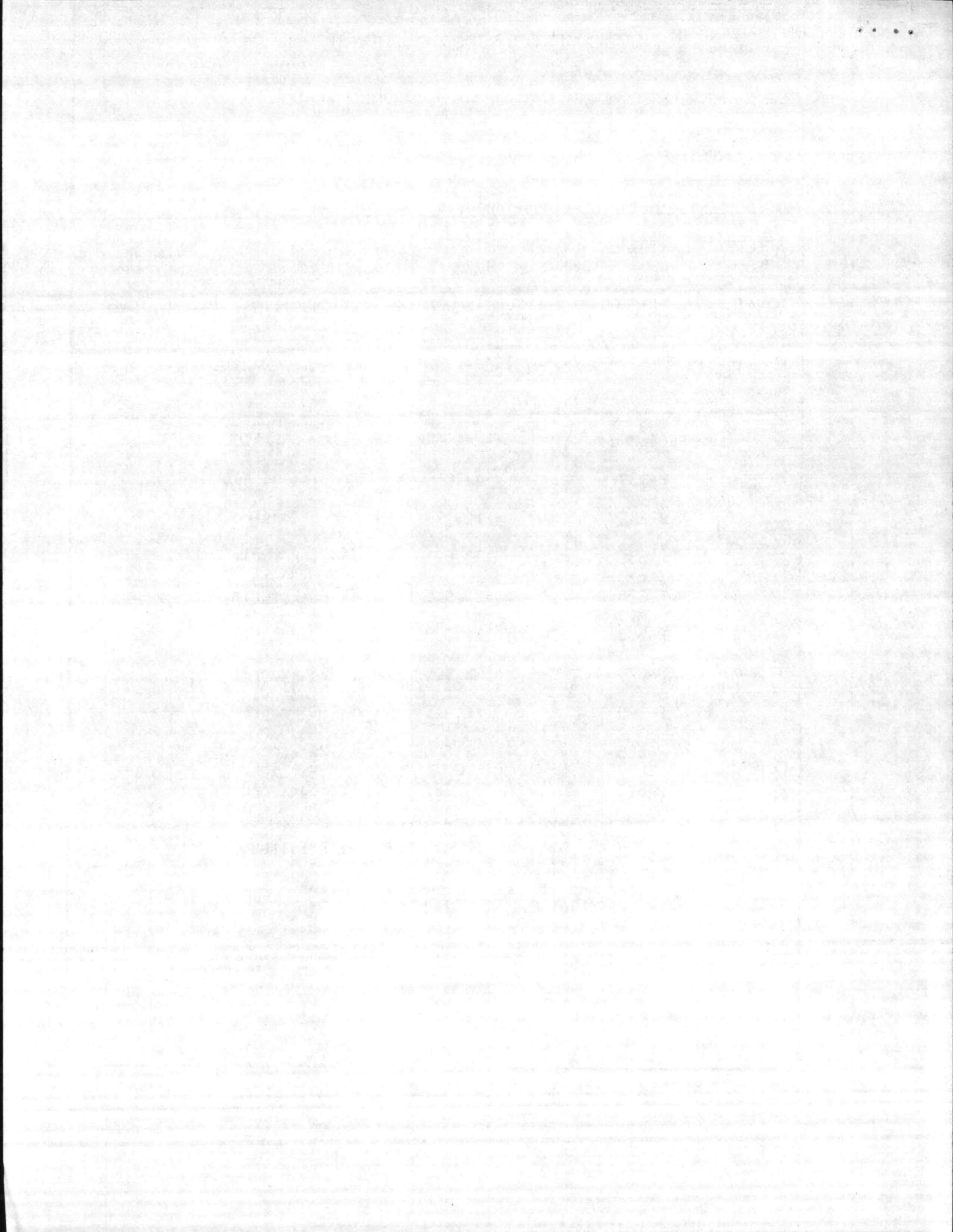
<u>FACILITY NUMBER</u>	<u>TOTAL ASSETS (SF)</u>	<u>REMARKS</u>
574	(2,800)	Substandard - To be demolished by P-536.
576	(2,800)	Substandard - To be demolished by P-536.
598	(2,800)	Substandard - To be demolished when deficiency is satisfied.
909	(16,400)	Substandard - To be demolished when deficiency is satisfied.
1018	(390)	Substandard - To be demolished when deficiency is satisfied.
1205	(4,396)	Substandard - To be converted to 214-40.
1206	(4,396)	Substandard - To be converted to 214-40.
1405	(4,396)	Substandard - To be converted to 214-40.
1406	(4,396)	Substandard - To be converted to 214-40.
1505	(4,396)	Substandard - To be converted to 214-40.
1506	(4,396)	Substandard - To be converted to 214-40.
1604	(4,396)	Substandard - To be converted to 214-40.
1605	(4,396)	Substandard - To be converted to 214-40.
1607	(2,000)	Substandard - To be demolished when deficiency is satisfied.
1711	(8,000)	Substandard - To be demolished when deficiency is satisfied.
1739	(960)	Substandard - To be demolished when deficiency is satisfied.
1750	4,740	Adequate

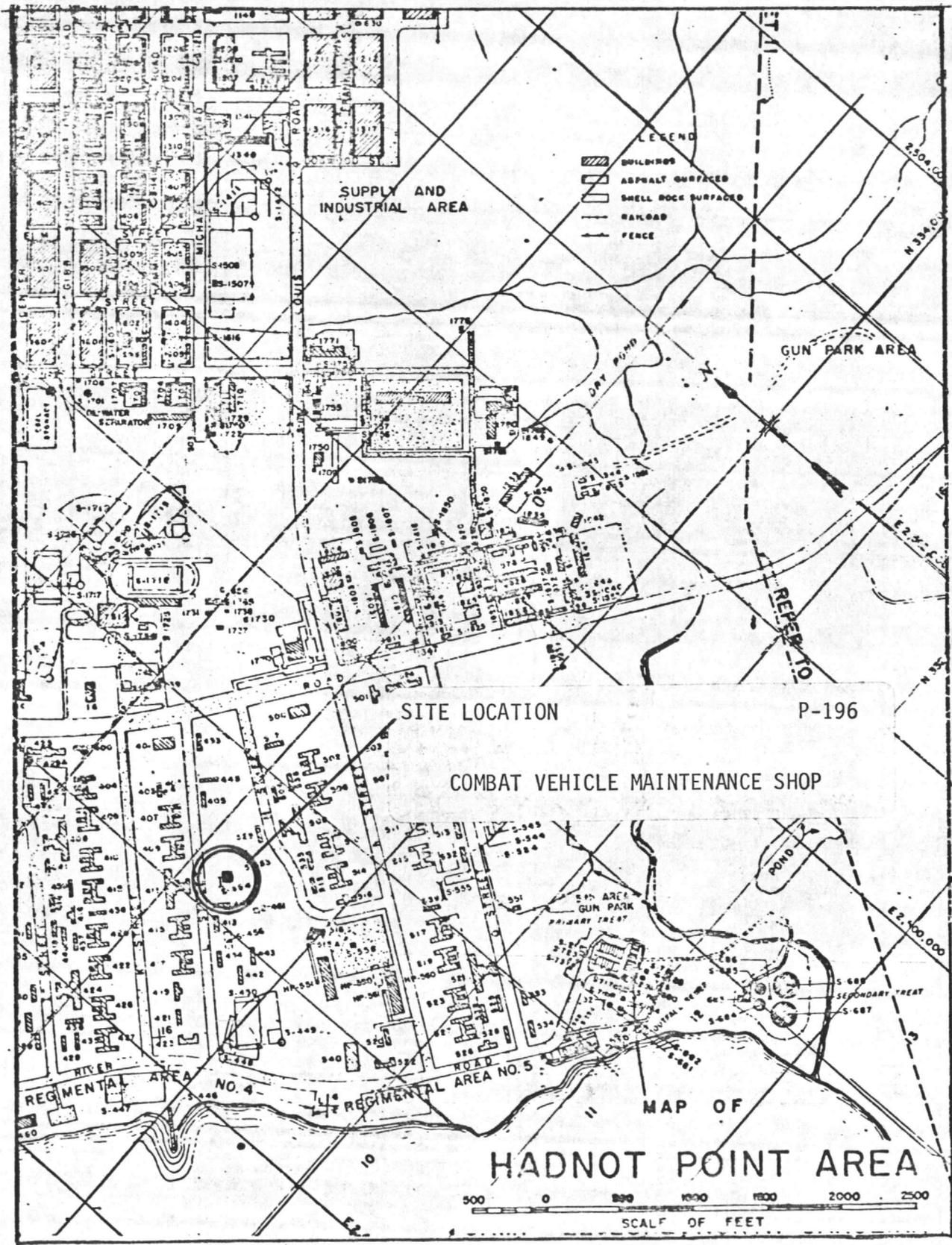


1. COMPONENT NAVY		FY 19 ⁸⁵ MILITARY CONSTRUCTION PROJECT DATA		2. DATE 1 AUG 1980	
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4. PROJECT TITLE COMBAT VEHICLE MAINTENANCE SHOP				5. PROJECT NUMBER P-196	
b. Existing Assets (continued...)					
<u>FACILITY NUMBER</u>	<u>TOTAL ASSETS (SF)</u>	<u>REMARKS</u>			
1755	4,100	Adequate			
1760	105	Adequate			
1780	18,668	Adequate			
1809	(6,400)	Substandard - To be demolished upon start of P-503.			
1815	(1,600)	Substandard - To be demolished upon start of P-511.			
1817	(12,000)	Substandard - To be demolished upon start of P-511.			
1819	(4,000)	Substandard - To be demolished when deficiency is satisfied.			
1820	(752)	Substandard - To be demolished when deficiency is satisfied.			
1822	(8,000)	Substandard - To be demolished upon completion of P-175.			
1823	(4,000)	Substandard - To be demolished upon completion of P-175.			
1826	(4,000)	Substandard - To be demolished when deficiency is satisfied.			
1827	(12,000)	Substandard - To be demolished when deficiency is satisfied.			
1828	(12,000)	Substandard - To be demolished when deficiency is satisfied.			
1832	(8,000)	Substandard - To be demolished upon completion of P-536.			



1. COMPONENT NAVY		FY 19 <u>85</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE 1 AUG 1980
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4. PROJECT TITLE COMBAT VEHICLE MAINTENANCE SHOP			5. PROJECT NUMBER P-196	
b. <u>Existing Assets (continued...)</u>				
<u>FACILITY NUMBER</u>	<u>TOTAL ASSETS (SF)</u>	<u>REMARKS</u>		
1841	(12,000)	Substandard - To be demolished when deficiency is satisfied.		
TOTAL FOR CCN 214-51:	(164,070) SUBSTANDARD 27,613 ADEQUATE			
c. <u>Planned Facilities.</u>				
<u>PROJ. NO.</u>	<u>AREA (SF)</u>	<u>STATUS</u>		
P-138	42,636	Completed; not in 10651.		
P-255	19,170	Under Construction.		
P-536	73,691	FY-81 Program.		
P-526	25,915	FY-82 Program.		
P-503	21,000	FY-83 Program.		
P-525	25,915	FY-84 Program.		
P-196	25,915	FY-85 Program.		
P-568	8,500	FY-86 Program.		
P-678	<u>7,787</u>	Unprogrammed.		
	SUBTOTAL:	250,529	PLANNED	
	SUBTOTAL:	27,613	ADEQUATE EXISTING	
	TOTAL:	<u>278,142</u>		
	BFRL TOTAL:	278,142		





ENCLOSURE (1)

1. COMPONENT NAVY		FY 19 86 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 1 AUG 1980	
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA			4. PROJECT TITLE COMBAT VEHICLE MAINTENANCE SHOP		
5. PROGRAM ELEMENT		6. CATEGORY CODE 214-51	7. PROJECT NUMBER P-568		8. PROJECT COST (\$000) 880

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
COMBAT VEHICLE MAINTENANCE SHOP	SF	8,500	76.19	648
Building	SF	8,500	71.48	(608)
Built-in-Equipment	LS	-	-	(23)
Solar Hot Water System	LS	-	-	(17)
SUPPORTING FACILITIES				142
Special Construction Features	LS	-	-	(7)
Utilities	LS	-	-	(37)
Roads, Parking, Sidewalks	LS	-	-	(63)
Site Improvements/Demolition	LS	-	-	(20)
Vehicle Wash Apron w/Pollution Control	SY	300	50.00	(15)
SUB-TOTAL				790
CONTINGENCY (5%)				40
TOTAL CONTRACT COST				830
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				46
TOTAL REQUEST				876
TOTAL REQUEST (ROUNDED)				880
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-storied 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, energy conservation and pollution abatement features are included in project. Wash aprons, pavements, security fencing and lighting and utility connections are included. (Air Conditioning - 3 tons)

11. REQUIREMENTS: 278,142 SF. ADEQUATE: 27,613 SF. SUBSTANDARD: 164,070 SF.

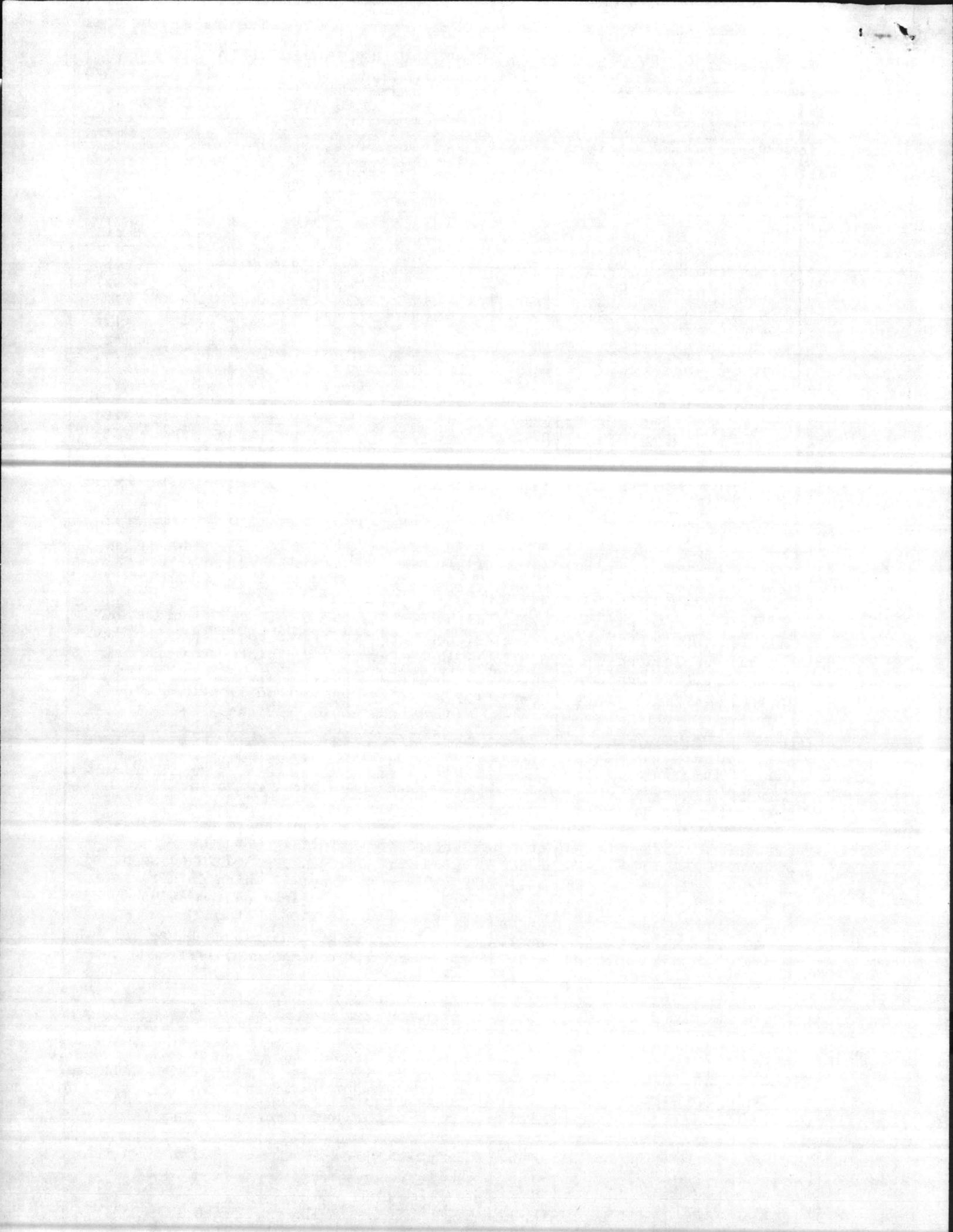
PROJECT: Provide Combat Vehicle Maintenance Shop for a 2D Marine Division Reconnaissance Battalion.

REQUIREMENT: Combat Vehicle Maintenance Shop is required to carry out the prescribed maintenance program for Battalion vehicles.

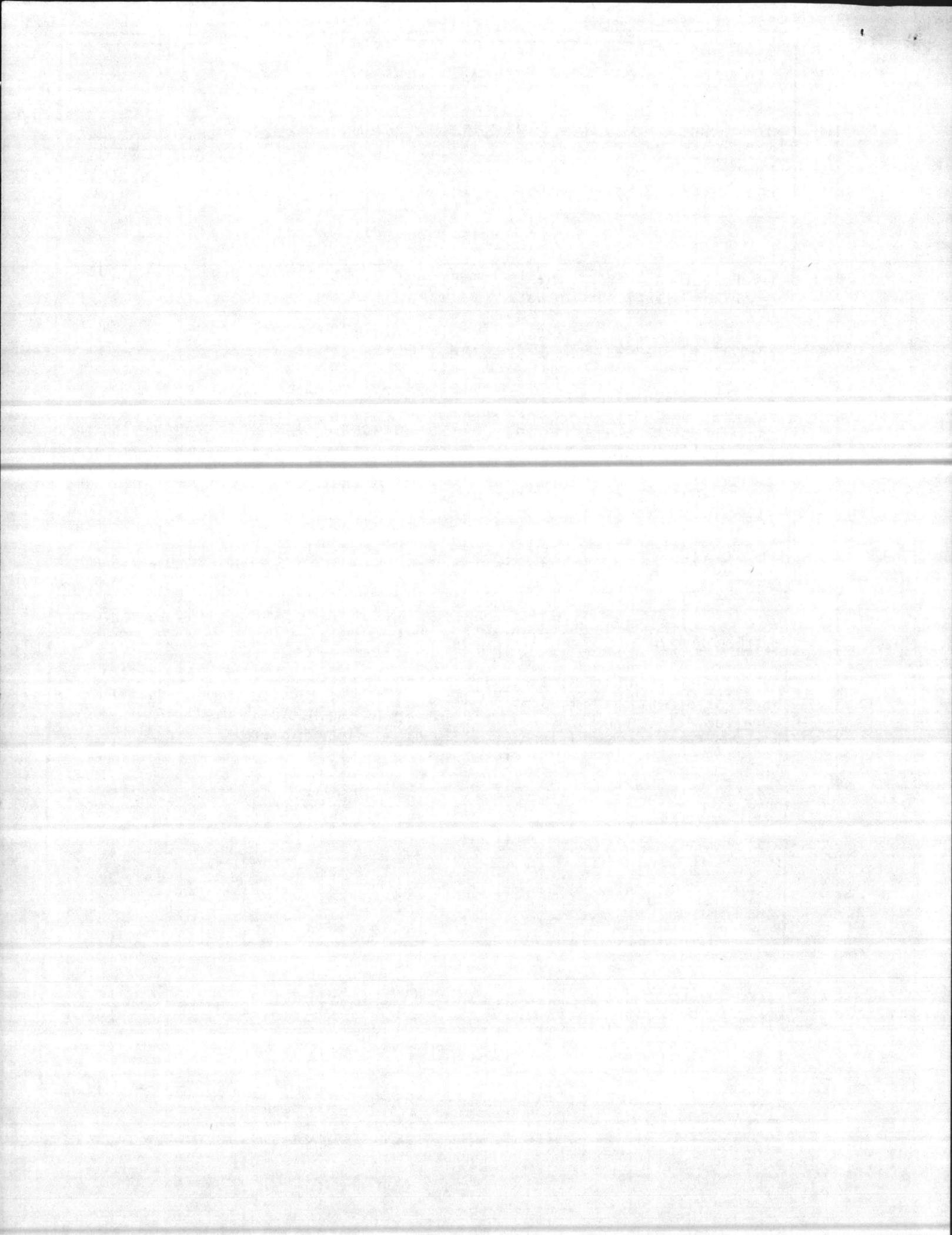
CURRENT SITUATION: Maintenance Programs are being performed in substandard WW-II buildings and metal buildings constructed in 1952 which do not meet standards required to maintain the modern, sophisticated equipment used today and cannot be economically rehabilitated.

IMPACT IF NOT PROVIDED: The 2D Marine Division Reconnaissance Battalion vehicles will remain adversely affected and maintenance capability and combat readiness will continue to be impaired.

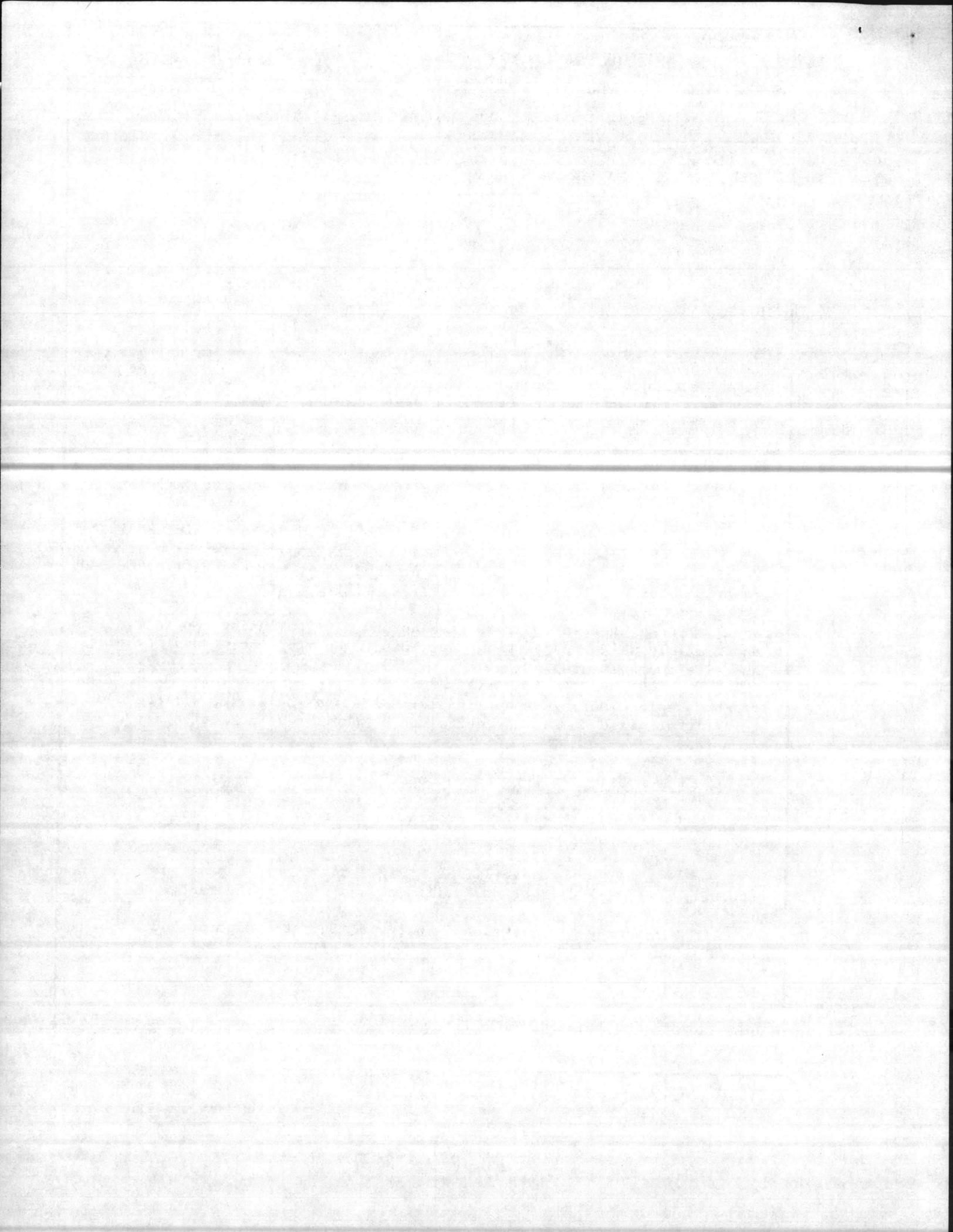
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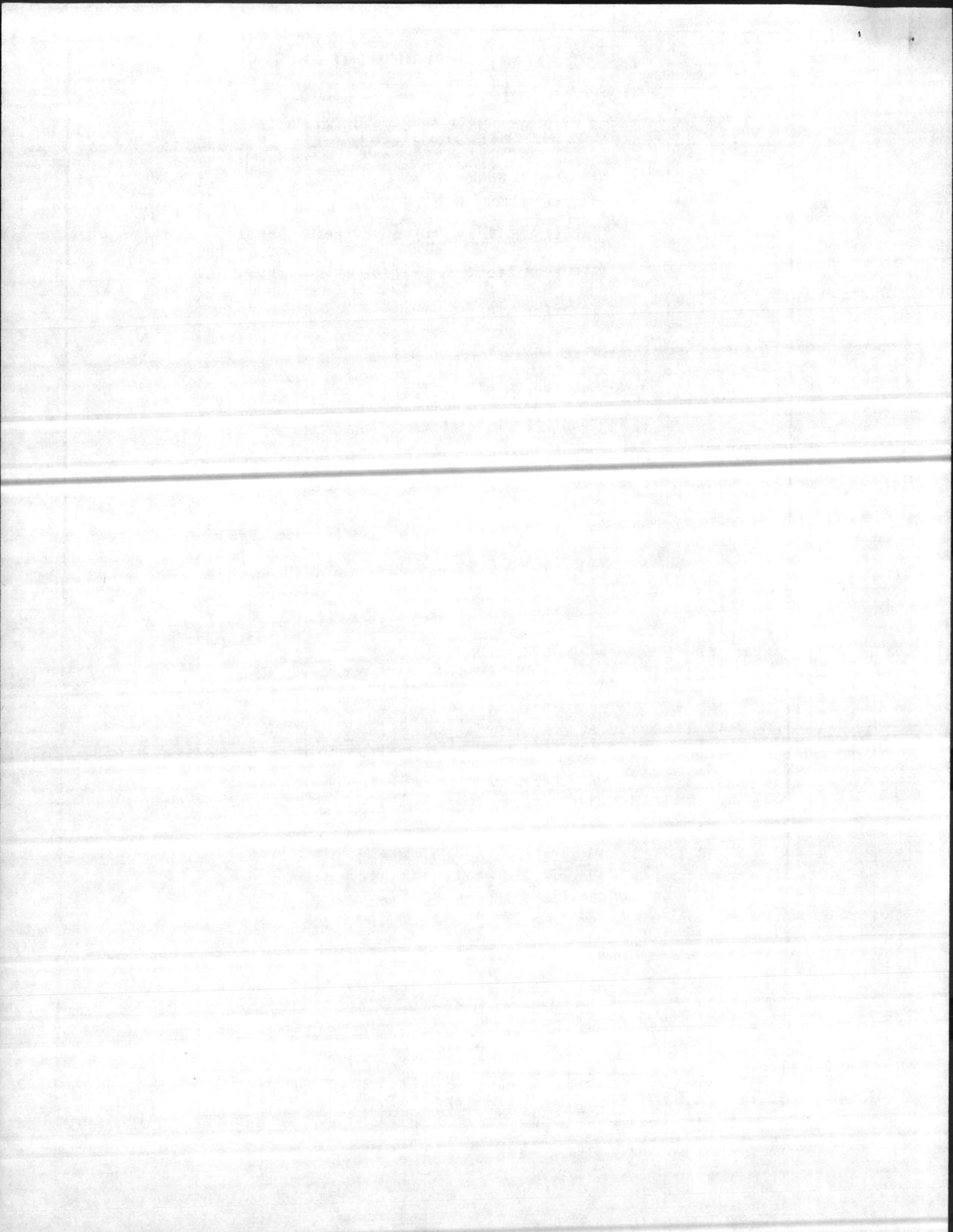
1. COMPONENT NAVY	FY 19 ⁸⁶ MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 80
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE COMBAT VEHICLE MAINTENANCE SHOP		5. PROJECT NUMBER P-568
<p style="text-align: center;"><u>SPECIAL CONSIDERATIONS</u></p> <ol style="list-style-type: none"> 1. <u>Pollution Prevention, Abatement, and Control</u>: This project will not cause additional air or water pollution. 2. <u>Flood Hazard Evaluation</u>: Requirements of Executive Order No. 11296 (Flood Hazards) are not applicable. 3. <u>Environmental Impact</u>: The project Environmental Impact Assessment has been made, reviewed, and where required, the design concepts give consideration to eliminating adverse environmental effects consistent with applicable directives. 4. <u>Fallout Shelter Construction</u>: Fallout shelter protection is incorporated in the facility. 5. <u>Design for Accessibility of Physically Handicapped Personnel</u>: Provisions for physically handicapped personnel are not required in this facility. 6. <u>Use of Air Conditioning</u>: Ceiling "U" factors will be made to conform with DOD 4270.1-M. 7. <u>Preservation of Historical Sites and Structures</u>: The project facility does not directly or indirectly affect a district, site, building, structure, object, or setting which is listed in the National Register or otherwise possesses a significant quality of American history. 		



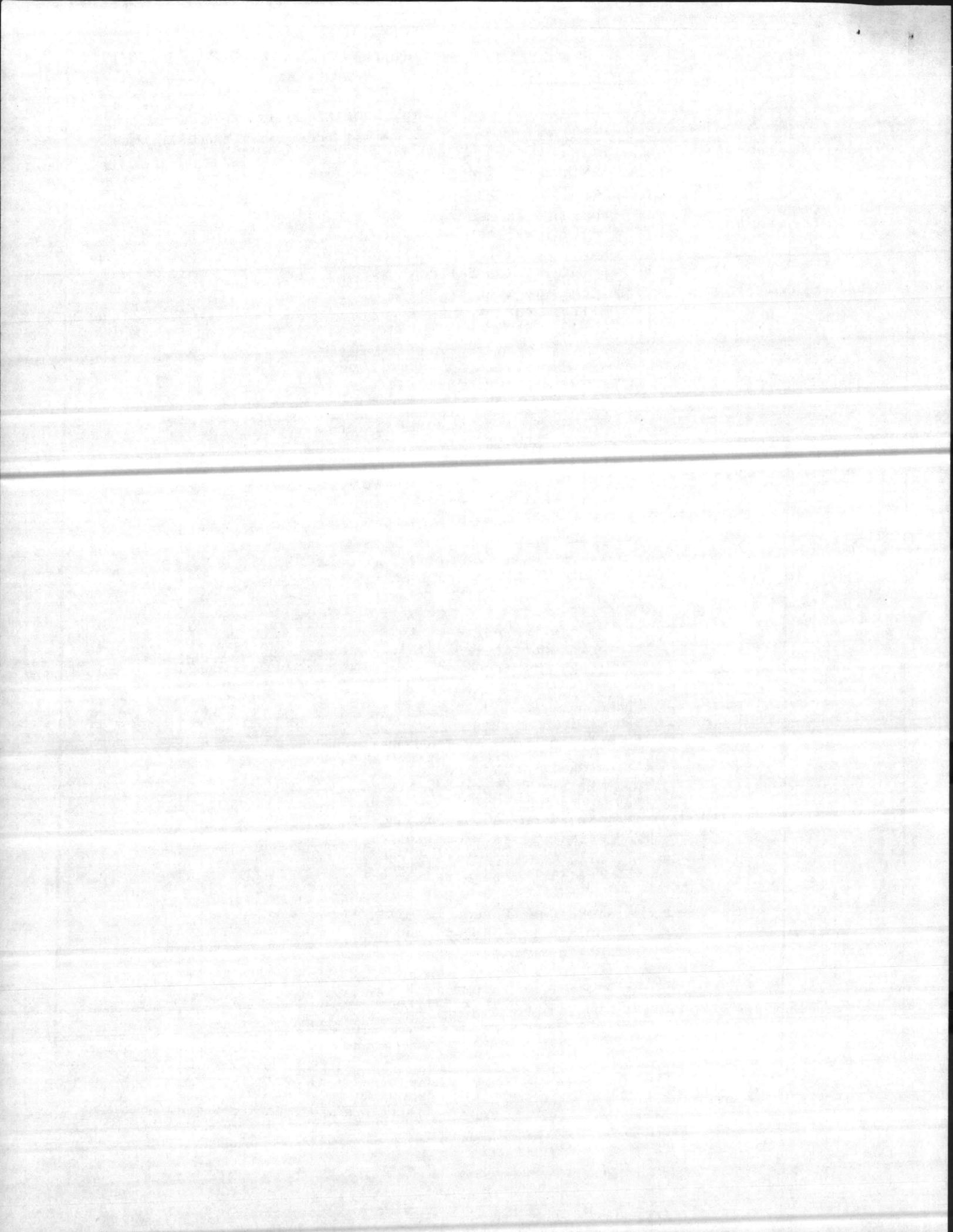
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<p style="text-align: center;"><u>FACILITY STUDY</u></p> <p>1. <u>Project.</u> Provide a Combat Vehicle Maintenance Shop for the 2D Marine Division Reconnaissance Battalion.</p> <p>2. <u>Current and Planned Future Workload with Regard to This Project.</u> The 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.</p> <p>3. <u>Description of Proposed Construction.</u></p> <p style="padding-left: 2em;">a. <u>Type of Construction.</u></p> <p style="padding-left: 4em;">(1) Permanent two-story wheel and tracked Combat Vehicle Maintenance Shop 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.</p> <p style="padding-left: 4em;">(2) Reinforced concrete wash aprons with pollution controls, rigid and flexible walks and parking pavements, security fencing and lighting and site improvements.</p> <p style="padding-left: 2em;">b. <u>Replacement.</u> Not applicable. Existing facilities will be temporarily utilized to satisfy deficiencies until new facilities are constructed.</p> <p style="padding-left: 2em;">c. <u>Description of Work to be Done.</u></p> <p style="padding-left: 4em;">(1) <u>Primary Facility.</u> Modular reinforced concrete/masonry structure on pile foundation.</p> <p style="padding-left: 6em;">(a) <u>Support Facilities.</u> Rigid and flexible pavements, security fencing and lighting, utilities and site improvement.</p> <p style="padding-left: 4em;">(2) <u>Energy Conservation.</u> Energy efficient equipment and building orientation for maximum energy conservation will be utilized.</p> <p style="padding-left: 4em;">(3) <u>Collateral Equipment.</u></p> <p style="padding-left: 6em;">(a) <u>Built-in MCON Funded</u></p>		



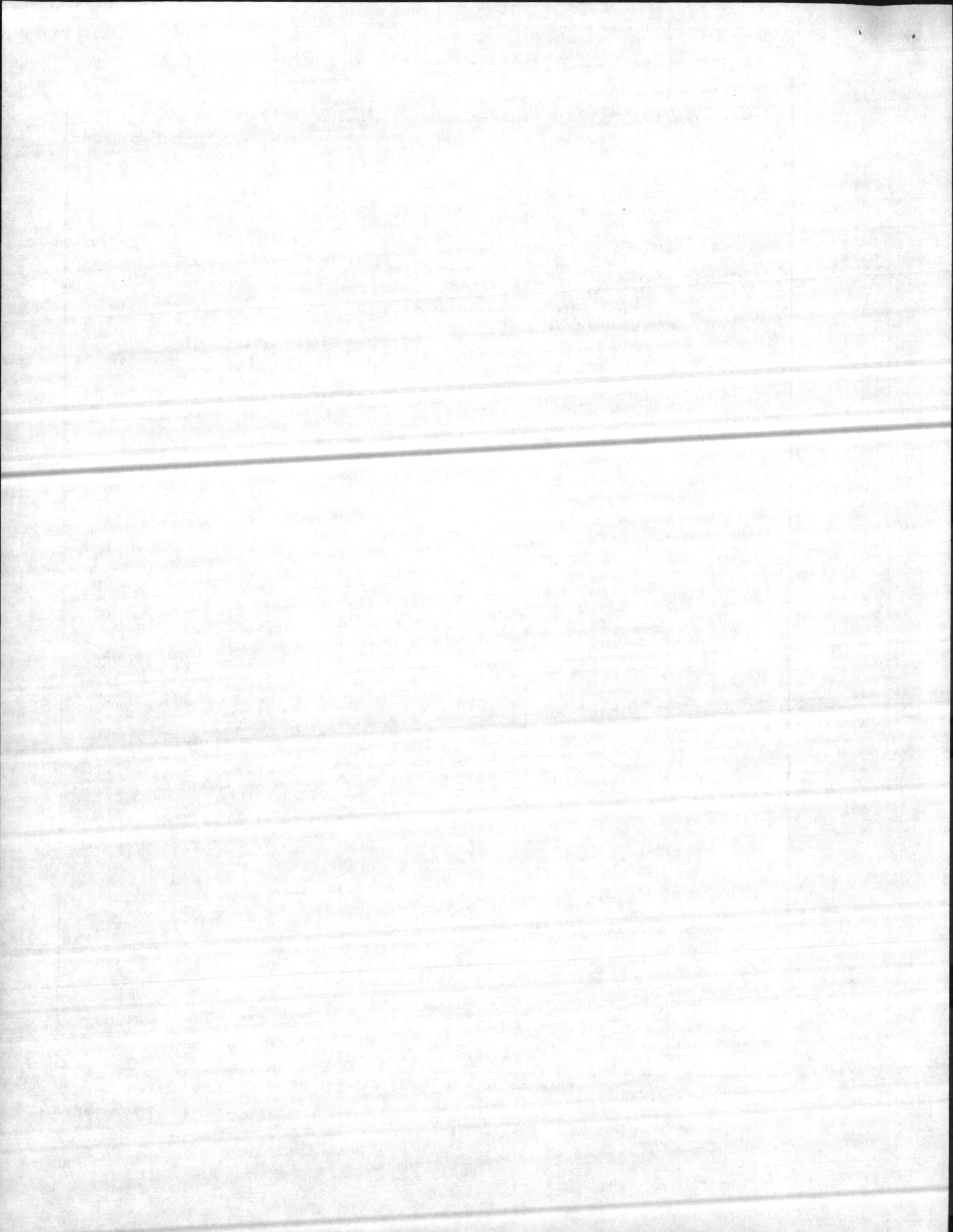
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4. PROJECT TITLE COMBAT VEHICLE MAINTENANCE SHOP	5. PROJECT NUMBER P-568	
<p>*Venetian blinds and window screens</p> <p>*Air conditioning, Heating & Ventilating Systems</p> <p>*Interior Steam System</p> <p>*Plumbing System</p> <p>*Compressed Air System</p> <p>*Used Oil System</p> <p>*Vehicle Fueling System</p> <p>*Sprinkler System</p> <p>*Telephone, Fire Alarm, and Intercom Systems</p> <p>*Drinking Water Coolers</p> <p>*Lockers</p> <p>*Chalkboards</p> <p>*Tire Changer, elec-air, Bishman Co., fractional HP, 280V, 3 phase, 3 wire, 150 PSI, comp air</p> <p>*Air Hose Reel, 150 PSI HD, w/hose stop (ceiling, wall, or pedestal mounted),</p> <p>*Elec Extension Cord Reel, HD, w/cord stop (ceiling, wall, or pedestal mtd), 120V, 1 phase</p> <p>*Water Hose Reel, HD, w/hose control valve & hose stop (ceiling, wall or pedestal mtd), CW</p>		



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<p>*Hose Reels Assembly, w/ control valves, HD, over-head, automatic hose stops, & meters, 150 PSI comp air, 1 chassis lube, 2 motor oil, 1 gear oil, provide water separator</p> <p>*Exhaust System, overhead, fractional HP, 208V, 3 phase</p> <p>*Deluge Shower, w/eye wash, CW</p> <p>*Acid Resistant Sink, CW</p> <p>*Exhaust Hood (over), fractional HP, 120V, 1 phase</p> <p>*Pass Window 4' wide w/ counter & "B" label roll down shutter (w/fusible link), if required</p> <p>*Counter, dispatchers</p> <p>*Lube Dispensing Equipment, w/access. (Couplers, valves, regulators, etc.)</p> <p>*Air Pumps, 400 lb drums for oil (chassis, gear, motor oil, trans & hydraulic fluid), as required</p> <p>*Twin Post Pneumatic Lift, HD, 24,000 lb cap, 150 PSI comp air</p> <p>*Twin Post Pneumatic Lift, LD, 11,000 lb cap, 150 PSI comp air</p>		

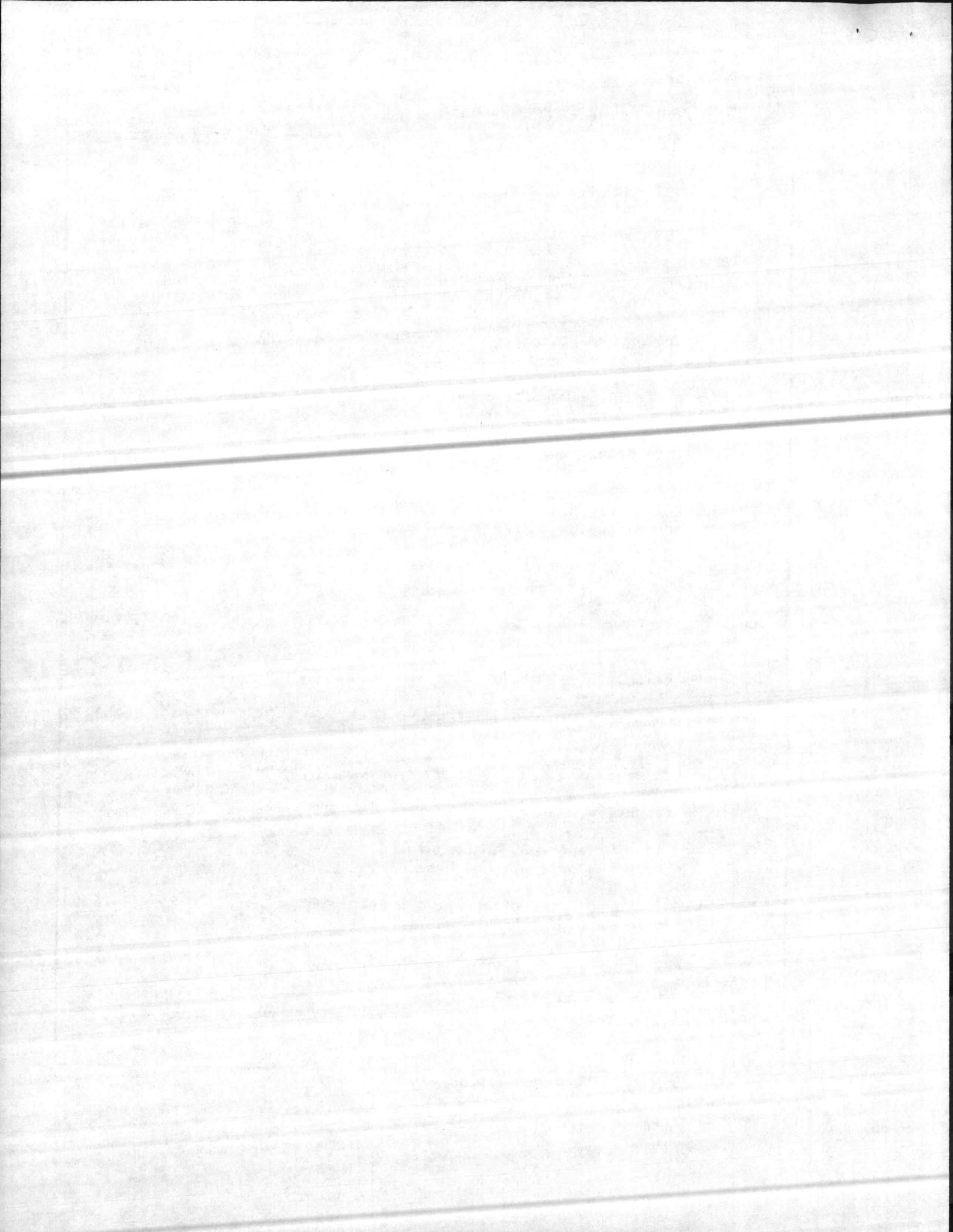


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<p style="text-align: center;">*1 Ton Ovhd Monorail, 10 HP, 208V, 3 phase, 60 cycle, 120V power to con- trols & switches</p> <p>*Equipment with associated installation cost. (b) <u>Expense Items</u></p>																																																																																	
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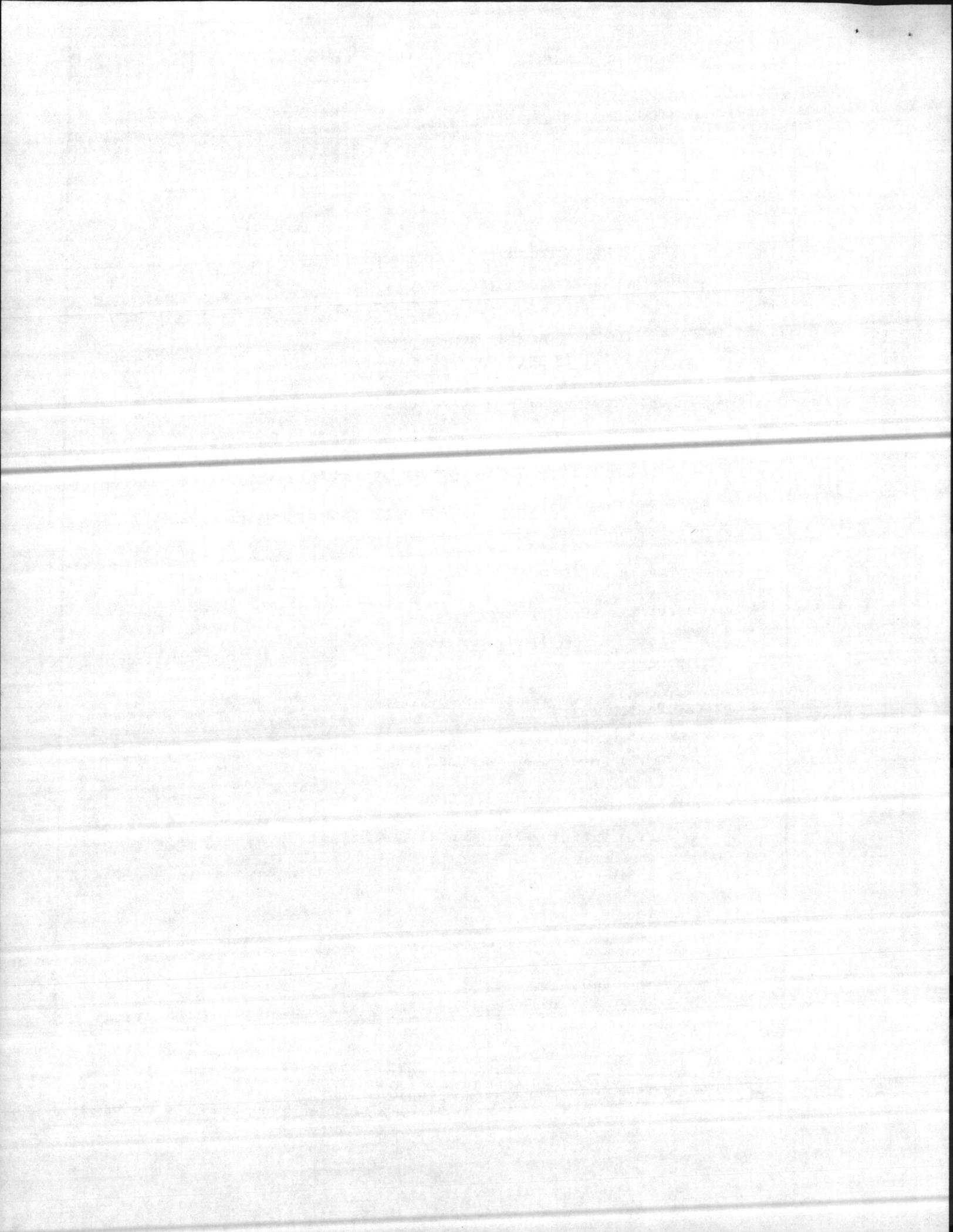


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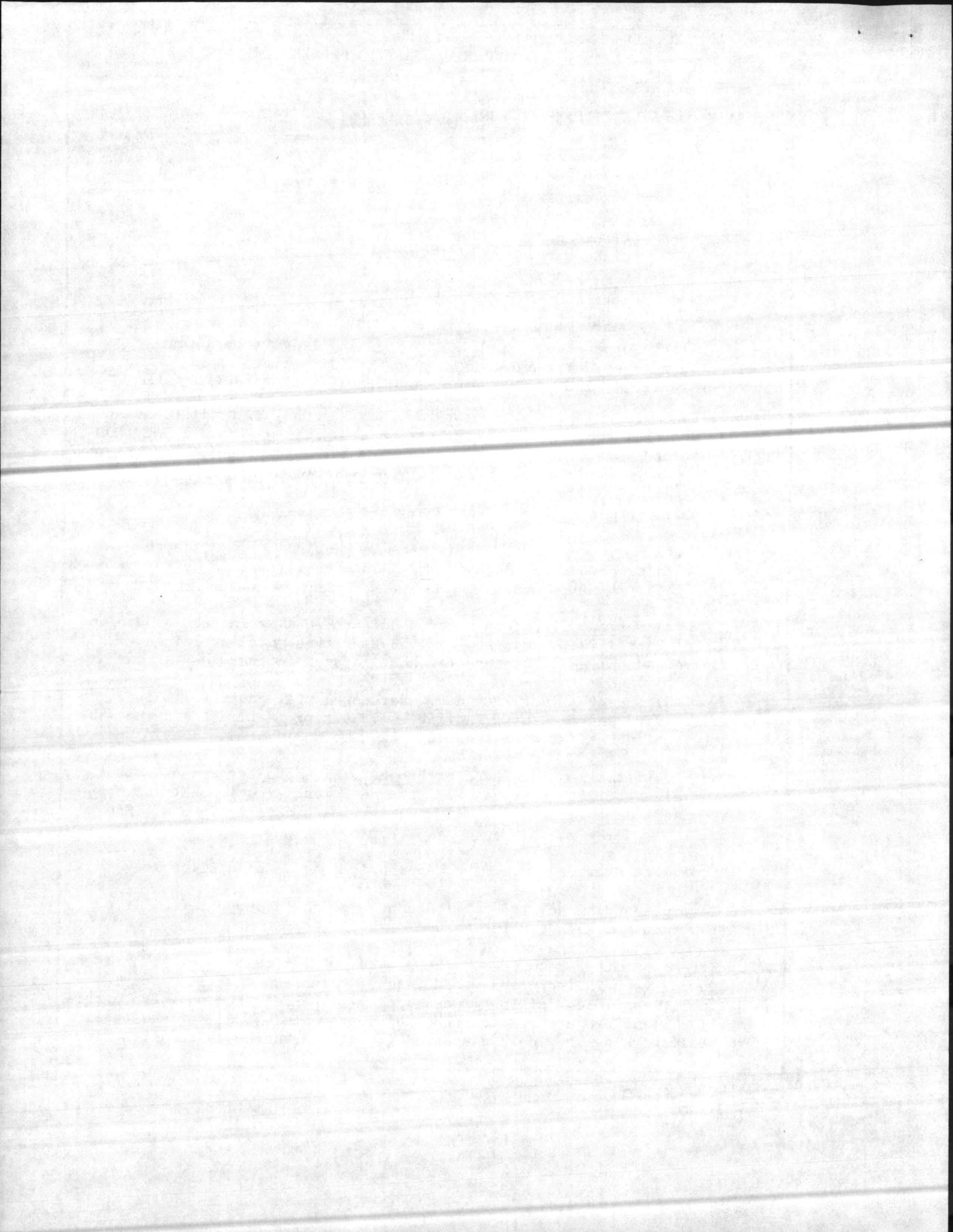
<u>Description</u>	<u>Qty</u>	<u>Unit of Issue</u>	<u>Unit Price</u>	<u>Total Cost</u>
Desk, flat top, 45"x30", walnut pattern top, no overhang	4	EA	240	960
Desk, flat top, w/attachment, f/sect. & gen. clerical purposes	4	EA	275	1,100
Chair, rotary, tilting seat & back, adj. seat height, w/arms, w/casters	8	EA	94	752
Chair, secretarial, rotary, adj. seat height, w/o arms, w/casters	4	EA	70	280
Stand, office machine, 2 drop leaves, walnut pattern top, w/casters	4	EA	66	264
Cabinet, filing, 5-drawer, legal size, w/o lock	6	EA	220	1,320
Cabinet, storage, dbl. dr., 36"x18"x80-9/16"H	6	EA	190	1,140
Base, bookcase, 33"x13"x10"H	10	EA	20	200
Section, bookcase, w/o doors, 31"x12"x14"H	30	EA	40	1,200
Top, bookcase, 33"x13"x2¼"H	10	EA	20	200
Chair, straight, w/o arms	16	EA	75	1,200
Costumer, wearing apparel, contemporary, 4 dbl hooks, round pole w/round base	16	EA	35	560
Rack, wearing apparel, contemporary, 6 mt1 hangars, 78"x30"x20"D at base	6	EA	85	510
Basket, wastepaper, dark brown, 14½"Hx13" dia. top	16	EA	6	96
Receptable, waste, w/cover	12	EA	45	540
Draperies, lined	4	PR	74	296



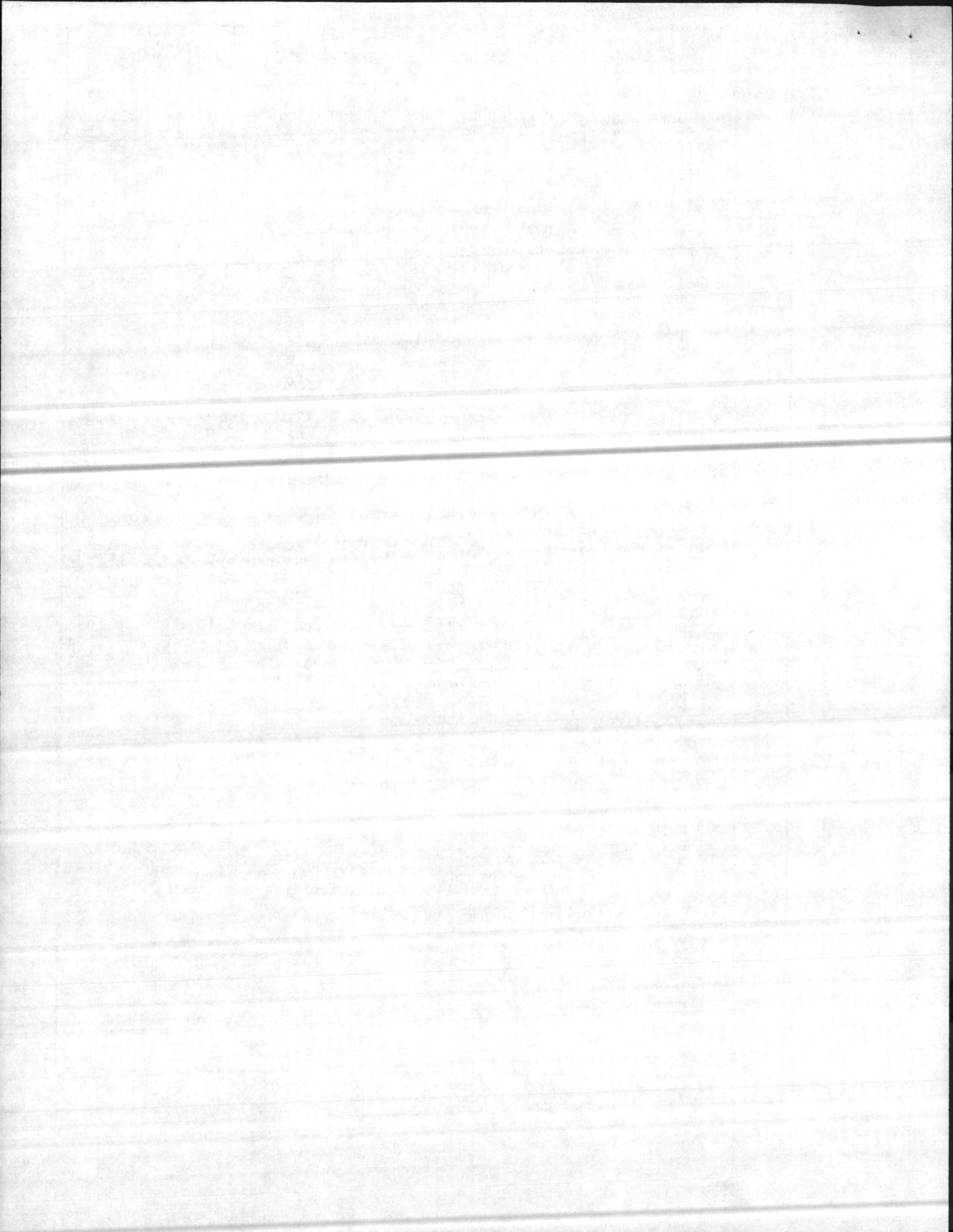
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TOTAL EXPENSE ITEMS				\$35,923																																																																																																		
Shipping, packing, handling, installation charges, & contingencies - 10%				\$ 3,592																																																																																																		
(c) <u>Investment Items:</u> None																																																																																																						
(d) <u>APA Equipment:</u> None																																																																																																						
(e) <u>Training Equipment:</u>																																																																																																						
Projector, movie	1	EA	650	650																																																																																																		
Screen, movie	1	EA	235	235																																																																																																		
Projector, overhead	1	EA	375	375																																																																																																		
TOTAL TRAINING EQUIPMENT				\$1,260																																																																																																		
Transportation & installation - 10%				126																																																																																																		



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4. PROJECT TITLE COMBAT VEHICLE MAINTENANCE SHOP	5. PROJECT NUMBER P-568							
<p>(f) <u>Equipment on Hand</u>: None</p> <p>(g) <u>Summary</u>:</p> <table border="0"> <tr> <td>Expense Cost</td> <td>\$39,641</td> </tr> <tr> <td>Training Equipment</td> <td>\$ 1,260</td> </tr> <tr> <td>GRAND TOTAL</td> <td>\$40,901</td> </tr> </table> <p>(4) <u>Supporting Facilities</u>. Special piling, foundation, waste water collection system, collateral equipment, site improvement, solar hot water system, pollution abatement and demolition of facility 331.</p> <p>4. <u>Cost Estimate</u>. Area cost factor for Camp Lejeune, N. C. is 0.95. Cost data derived from the Military Construction Cost Review Guide, FY-82 (DOD 4270.1-CG), and escalated to FY-82 to provide for this proposed facility.</p> <p>5. <u>Justification for Project and for Scope of Project</u>.</p> <p>a. <u>Justification for Project</u>.</p> <p>(1) <u>Project</u>. Proposed facility is required to provide the Reconnaissance Battalion adequate and secure facilities to perform combat vehicle Reconnaissance Battalion equipment maintenance.</p> <p>(2) <u>Current Situation</u>. Personnel are working in substandard and makeshift facilities, temporary WW-II Butler type metal buildings with open bays and oil space heaters for heat located in the Hadnot Point area.</p> <p>(3) <u>Impact if Not Provided</u>. 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.</p> <p>b. <u>Justification for Scope of Project</u>. The project scope is the minimum size facility that can meet the deficiency requirements of 8,500 SF of space to replace the existing facilities presently in use. See Item 13.</p> <p>6. <u>Equipment Provided from Other Appropriations</u>. Not applicable.</p> <p>7. <u>Common Support Facilities</u>. There are no common support facilities available in the Hadnot Point area.</p> <p>8. <u>Effect on Other Resources</u>. The project will require approximately \$7,500 per year in increased O&MMC funds for increased utility services and operations. No additional personnel will be required to operate this facility. The project will enhance and improve the morale of personnel presently working in widely dispersed facilities. Proposed construction</p>			Expense Cost	\$39,641	Training Equipment	\$ 1,260	GRAND TOTAL	\$40,901
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Training Equipment	\$ 1,260							
GRAND TOTAL	\$40,901							



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<p>should be responsive to the challenges presented by the energy situation and comply with the requirements of Executive Order 12003 of 20 July 1977 and implemented by NAVFACINST 4100.5A.</p> <p style="text-align: center;"><u>UTILITY REQUIREMENTS</u></p> <table border="0"> <tr> <td style="vertical-align: top;">a. Electricity</td> <td>Consumption</td> <td style="text-align: right;">27,984</td> <td style="text-align: right;">KWHR/yr</td> </tr> <tr> <td></td> <td>Peak Demand</td> <td style="text-align: right;">22</td> <td style="text-align: right;">KW</td> </tr> <tr> <td></td> <td>Avg. Demand</td> <td style="text-align: right;">16</td> <td style="text-align: right;">KW</td> </tr> <tr> <td colspan="4"> </td> </tr> <tr> <td style="vertical-align: top;">b. Steam</td> <td>Consumption</td> <td style="text-align: right;">4,155,221</td> <td style="text-align: right;">lbs/yr</td> </tr> <tr> <td></td> <td>Demand</td> <td style="text-align: right;">1,488</td> <td style="text-align: right;">lbs/hr</td> </tr> <tr> <td colspan="4"> </td> </tr> <tr> <td style="vertical-align: top;">c. Coal</td> <td></td> <td style="text-align: right;">162.5</td> <td style="text-align: right;">tons/yr</td> </tr> <tr> <td colspan="4"> </td> </tr> <tr> <td colspan="4">d. Adequate utility requirements are available.</td> </tr> </table>			a. Electricity	Consumption	27,984	KWHR/yr		Peak Demand	22	KW		Avg. Demand	16	KW					b. Steam	Consumption	4,155,221	lbs/yr		Demand	1,488	lbs/hr					c. Coal		162.5	tons/yr					d. Adequate utility requirements are available.			
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9. <u>Siting of the Project.</u> This facility will be located in the 300 Area of Hadnot Point, in keeping with the Camp Lejeune Master Plan. See encl (1).																																										
10. <u>Other Graphic Presentation, including Photographs.</u> None																																										
11. <u>Economic Analysis.</u> This facility is being constructed on a site in 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 a mission in this area.																																										
12. <u>Environmental Impact.</u> An environmental impact assessment of the area has been made and it has been determined that this project will have neither a significant impact on the environment nor is it highly controversial.																																										
13. <u>Quantitative Data.</u> a. <u>BFRL Requirement</u> (Hadnot Point Area (DA)): 278,142 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 278,142 SF.																																										
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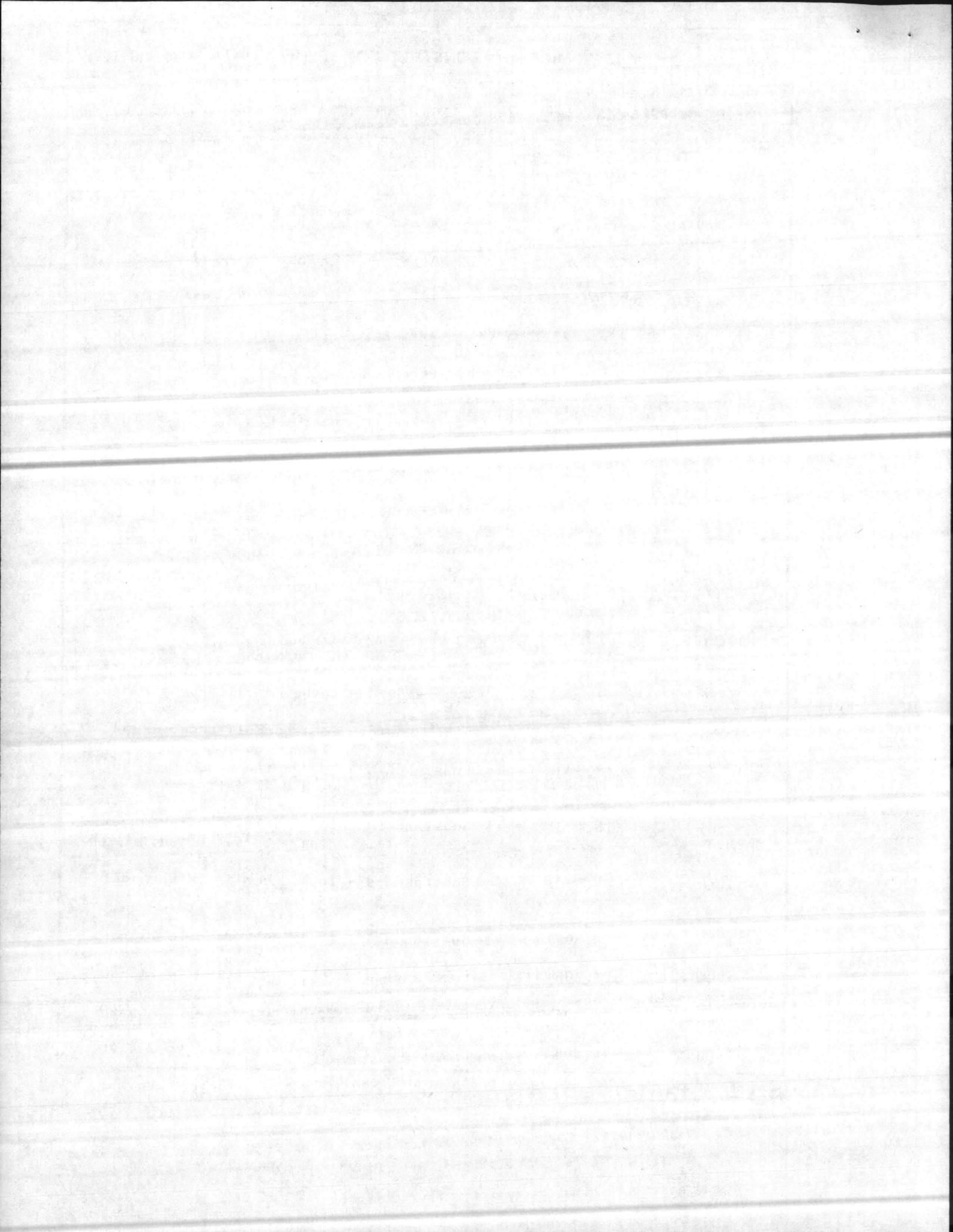
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE COMBAT VEHICLE MAINTENANCE SHOP	5. PROJECT NUMBER P-568
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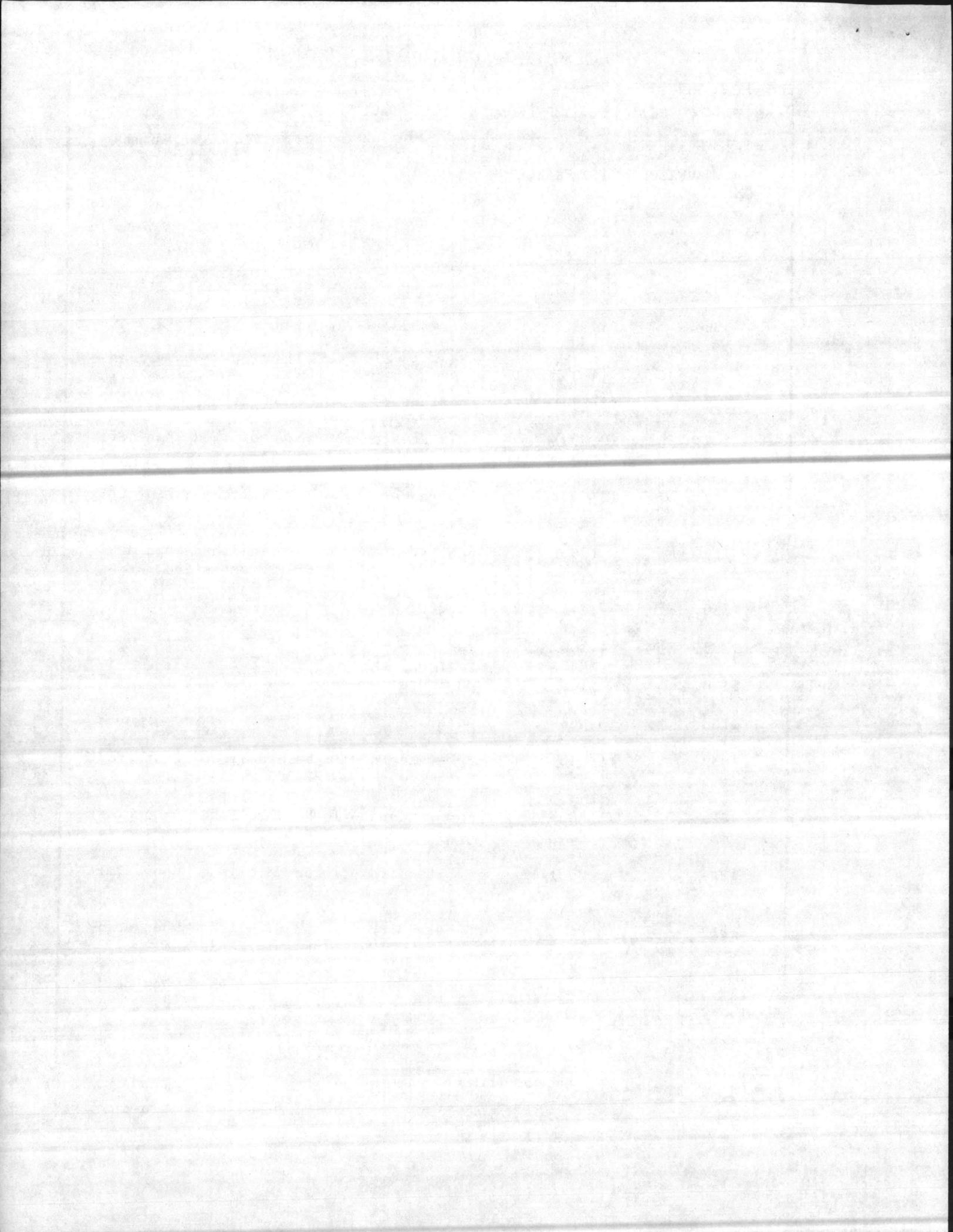
<u>NAVFAC Drawing No.</u>	<u>Activity</u>	<u>Area SF</u>
129372(M) (2x17,640)	Arty Gen Sup Bns	35,280
129374 (3x25,915)	Inf Bns	77,745
129375(M) (3x14,212)	Arty Dir Sup Bns	42,636
129376	Recon Bn	8,500
129373(M) 15,795 SF	2D Tank Bn	73,691
129442(M) 23,688 SF		
129442(M) 26,208 SF		
8,000 SF		
TOTAL		278,142

b. Existing Assets:

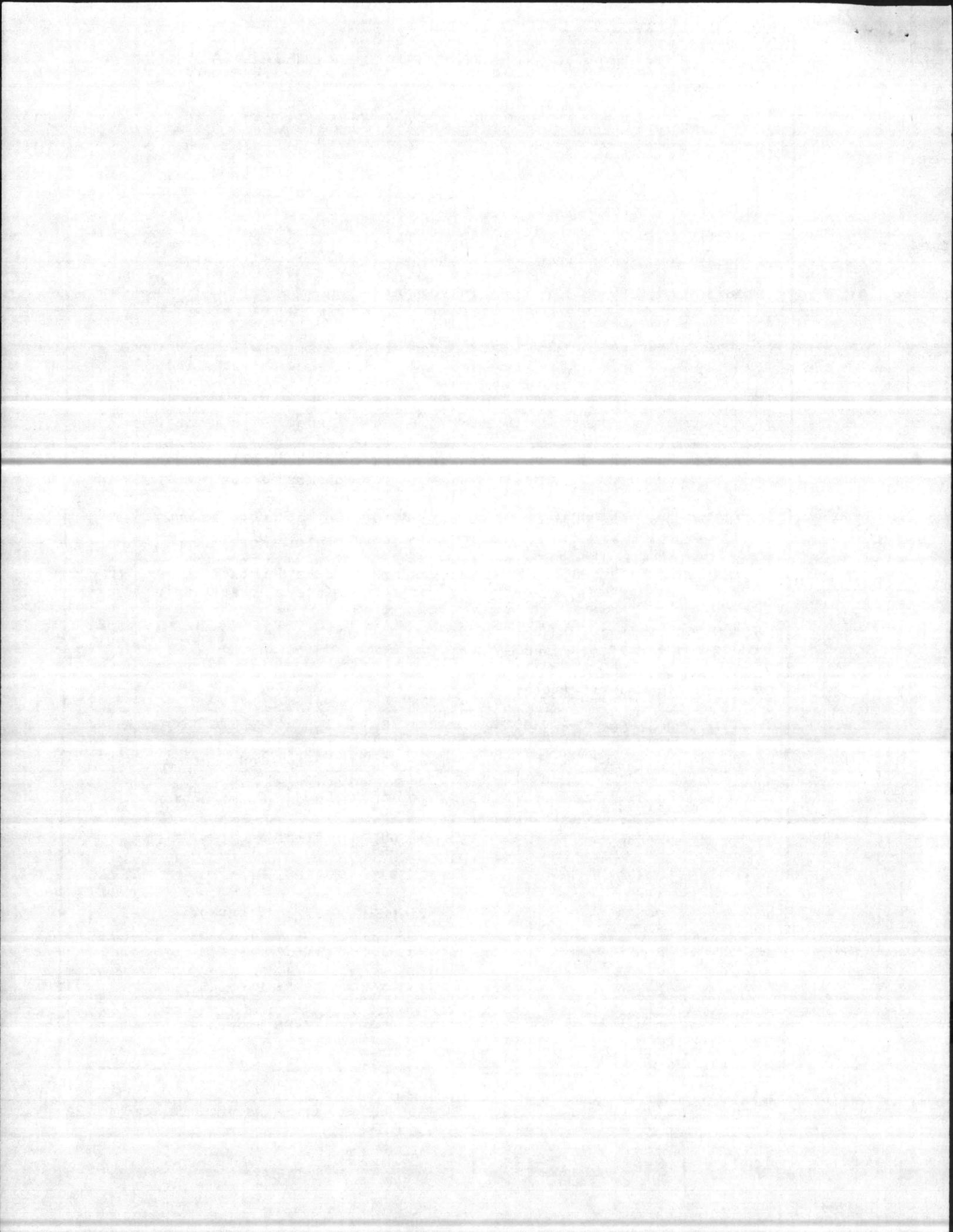
<u>FACILITY NUMBER</u>	<u>TOTAL ASSETS (SF)</u>	<u>REMARKS</u>
574	(2,800)	Substandard - To be demolished by P-536.
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598	(2,800)	Substandard - To be demolished when deficiency is satisfied.
909	(16,400)	Substandard - To be demolished when deficiency is satisfied.
1018	(390)	Substandard - To be demolished when deficiency is satisfied.
1205	(4,396)	Substandard - To be converted to 214-40.
1206	(4,396)	Substandard - To be converted to 214-40.
1405	(4,396)	Substandard - To be converted to 214-40.
1406	(4,396)	Substandard - To be converted to 214-40.



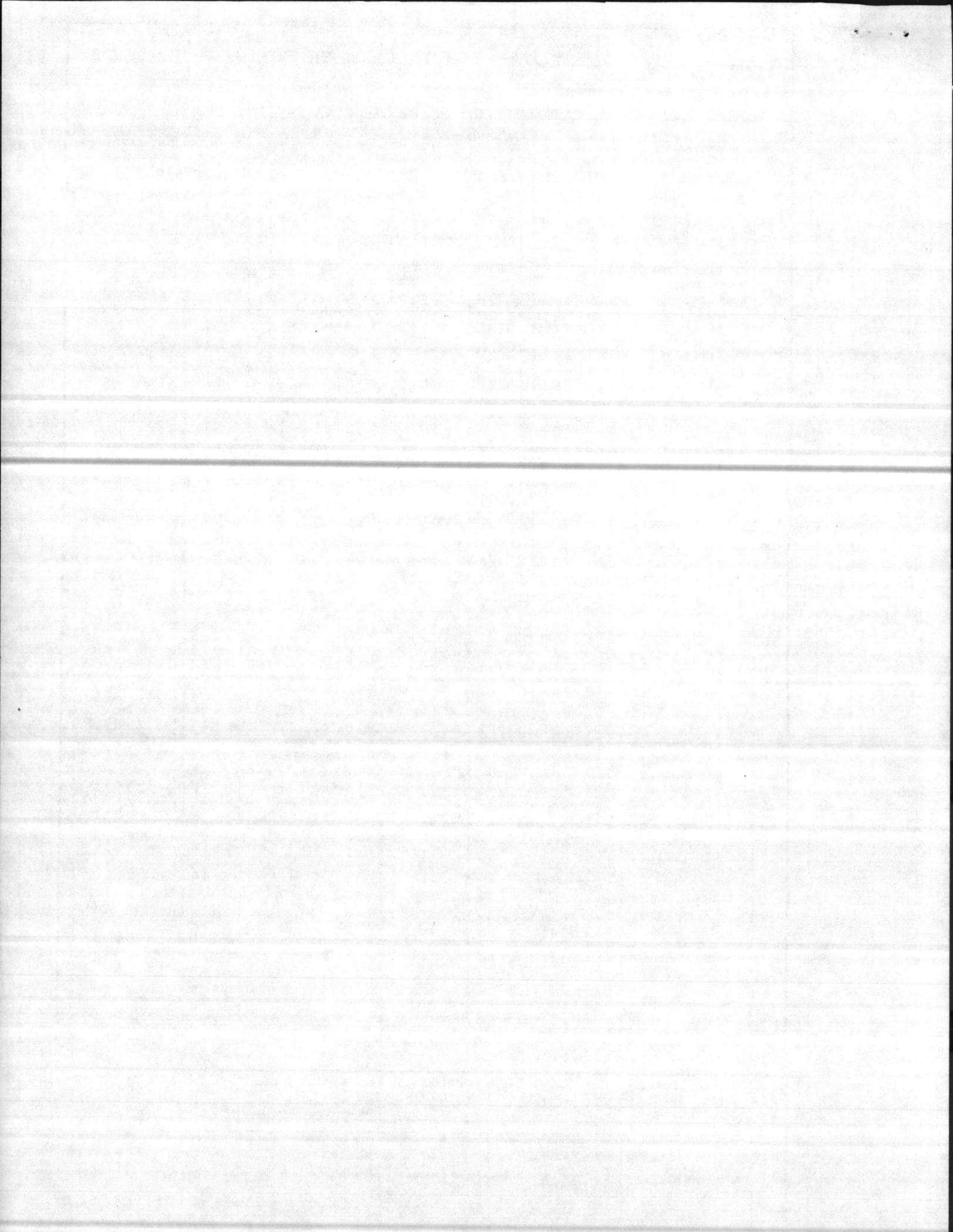
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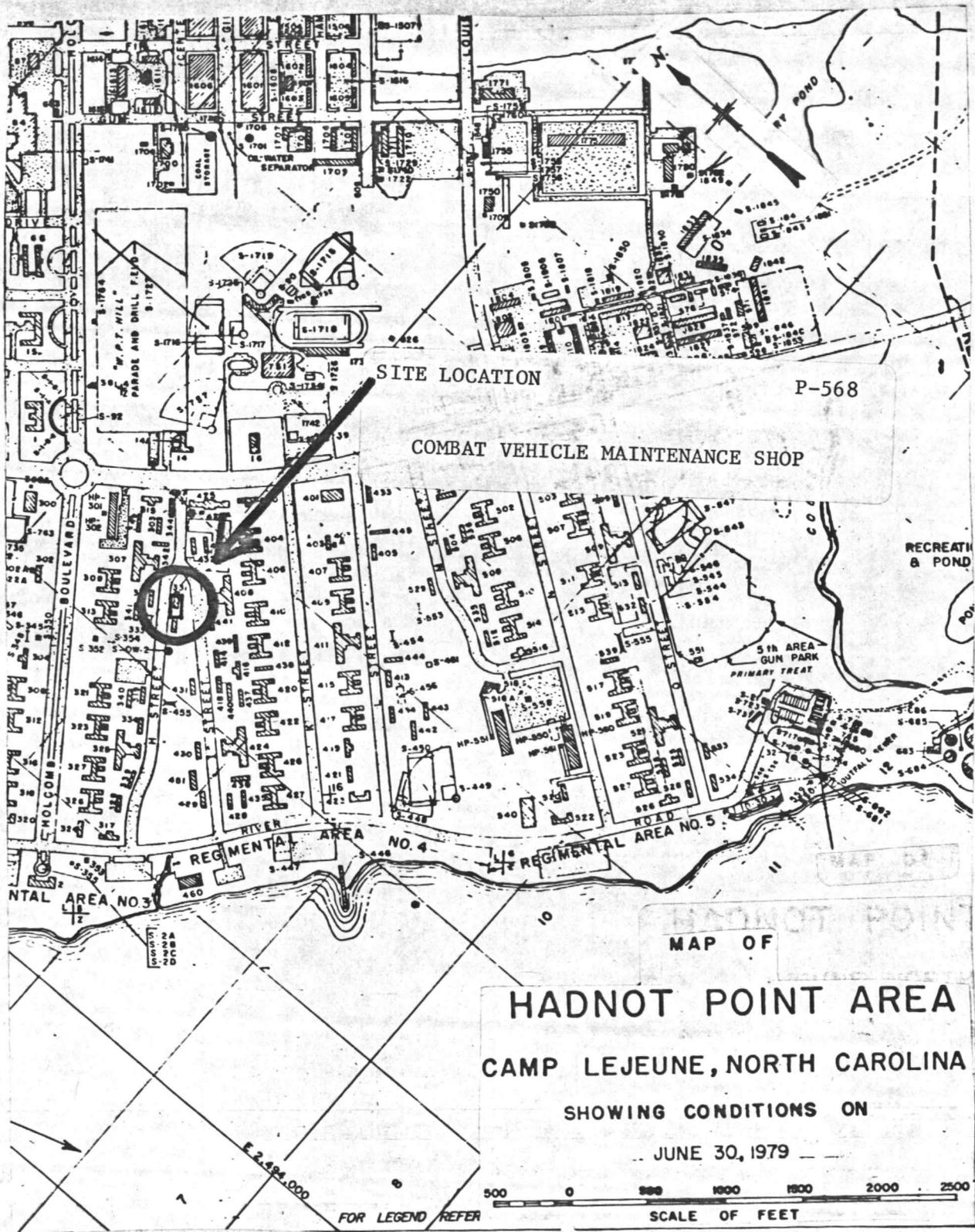


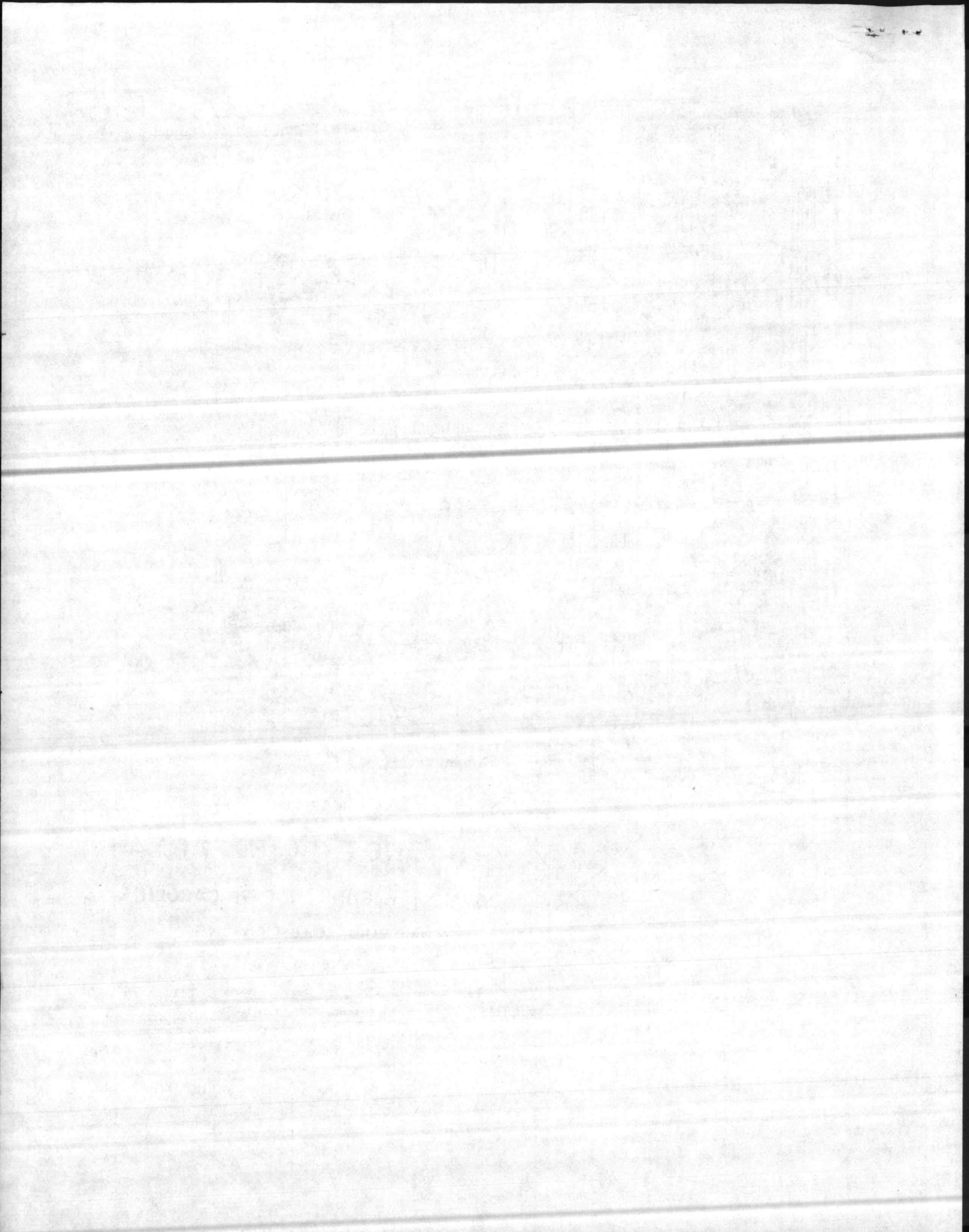
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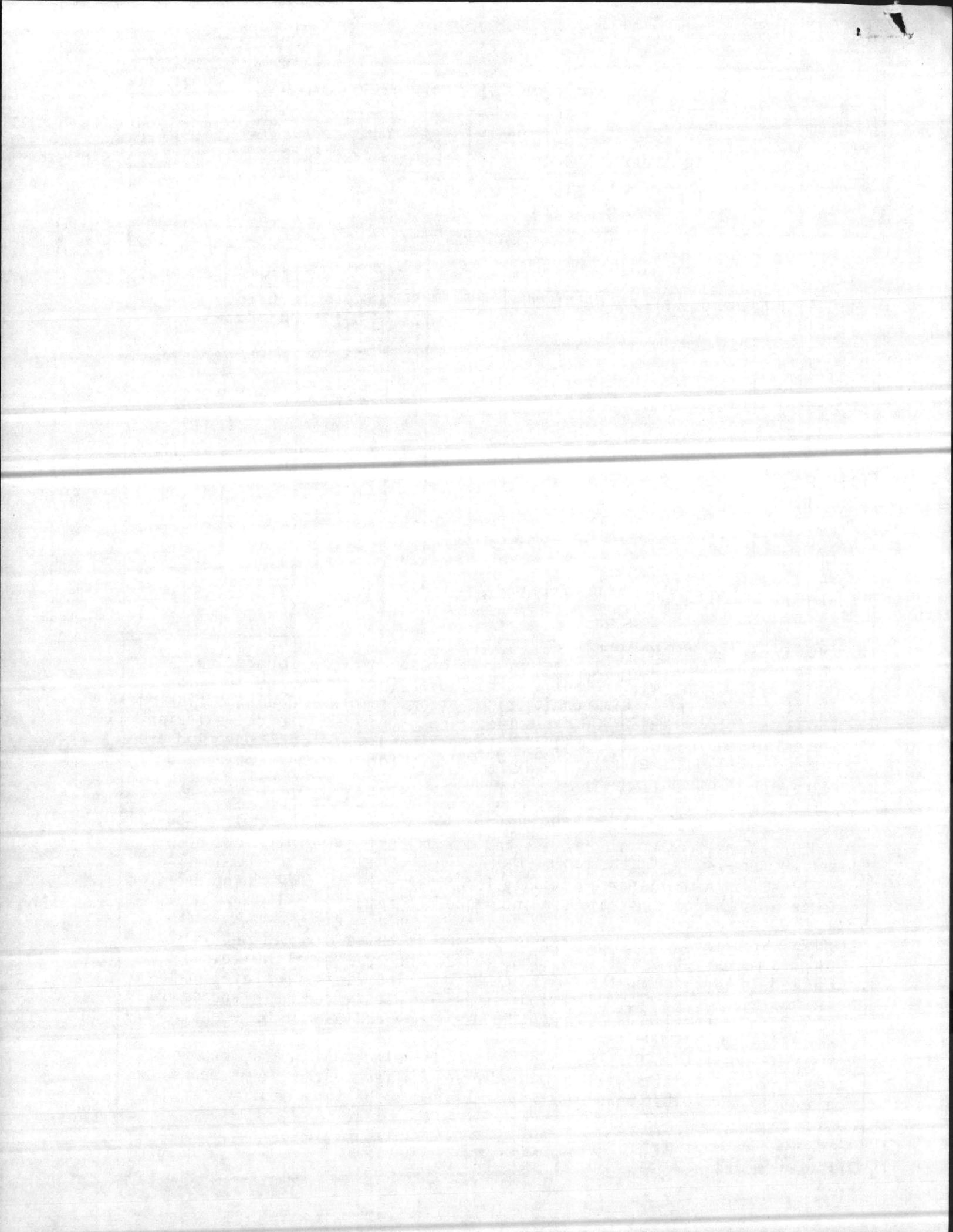
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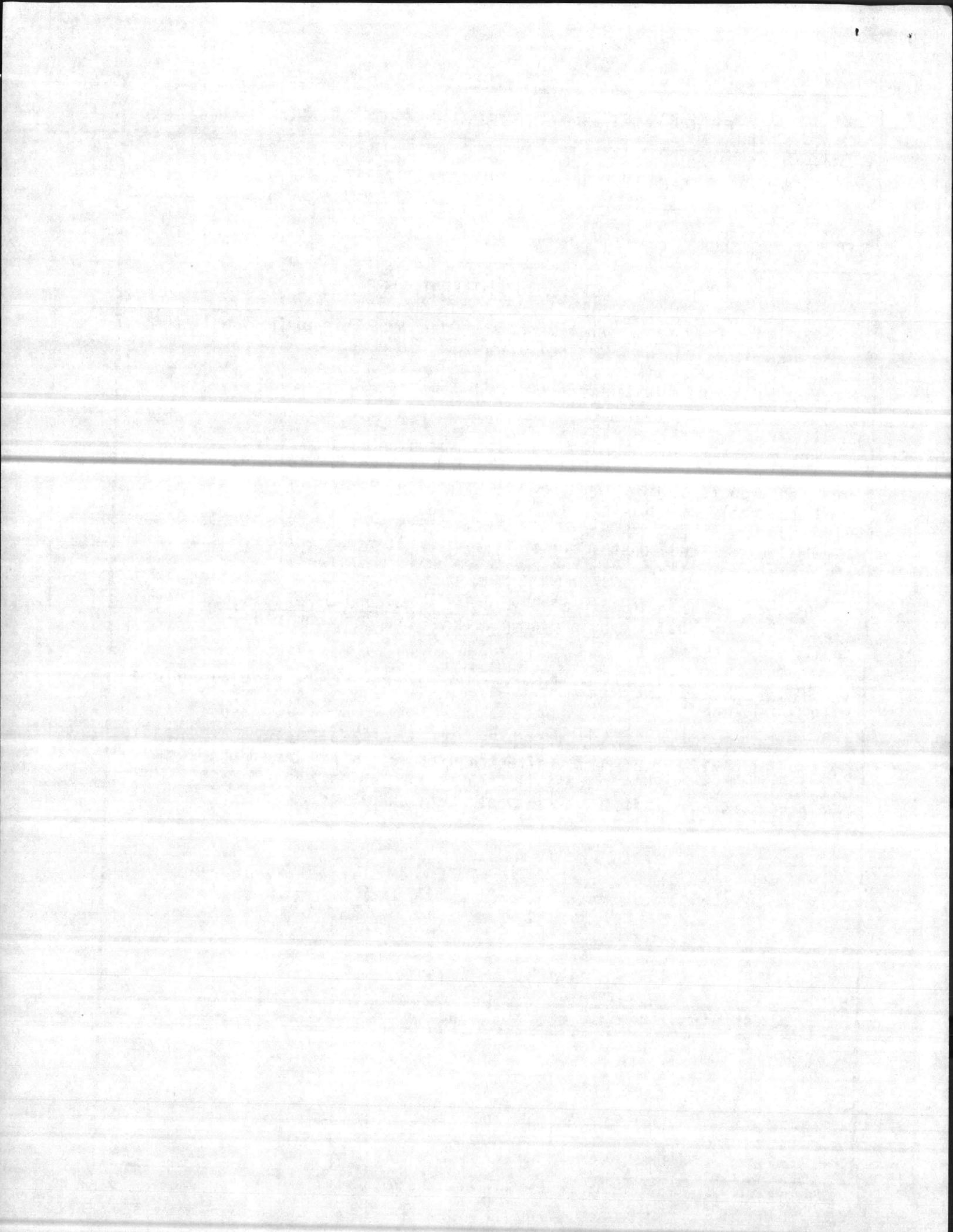
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5. PROGRAM ELEMENT		6. CATEGORY CODE 217-10	7. PROJECT NUMBER P-569	8. PROJECT COST (\$000) 620	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP		SF	6,316	76.28	482
Building		SF	6,316	61.23	(387)
Built-in Equipment		LS	-	-	(82)
Solar Hot Water System		LS	-	-	(13)
SUPPORTING FACILITIES					76
Special Construction Features		LS	-	-	(10)
Utilities		LS	-	-	(26)
Roads, Parking, Sidewalks		LS	-	-	(33)
Site Improvements		LS	-	-	(7)
SUBTOTAL					558
CONTINGENCY (5%)					28
TOTAL CONTRACT COST					586
SUPERVISION, INSPECTION & OVERHEAD (5.5%)					32
TOTAL REQUEST					618
TOTAL REQUEST (ROUNDED)					620
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS					
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>Permanent one story shop with piles, reinforced concrete foundation, floors, and masonry walls. Built-up roof over insulation and interior support systems, i.e., air conditioning, steam, compressed air, sprinkler, fire alarm, plumbing, 60/400 cycle electrical; grounding, etc., exterior pavements, fencing, area lighting, site work, and utilities connected are included. Fallout shelter excluded - shelters for personnel have been programmed in other projects. (Air conditioning: 21 tons.)</p>					
<p>REQUIREMENTS: <u>175,074 SF.</u> ADEQUATE: <u>2,349 SF.</u> SUBSTANDARD: <u>75,504 SF.</u> <u>PROJECT:</u> Construct an electronics and communications maintenance shop for a Reconnaissance Battalion of the 2d Marine Division. <u>REQUIREMENT:</u> A maintenance facility to effectively execute the prescribed electronics and communications maintenance program.</p>					
<p><u>CURRENT SITUATION:</u> The maintenance program is being carried out in sub-standard masonry-type WWII buildings and Butler-type metal buildings constructed in 1952 during the Korean campaign. The facilities are inadequate as electronics/communications shops for use in the maintenance of the modern sophisticated equipment in use today and cannot be economically rehabilitated.</p>					
<p><u>IMPACT IF NOT PROVIDED:</u> The deadline time on electronic equipment for personnel and vehicles will remain adversely affected and maintenance capability and combat readiness will continue to be impaired.</p>					
EGJ					



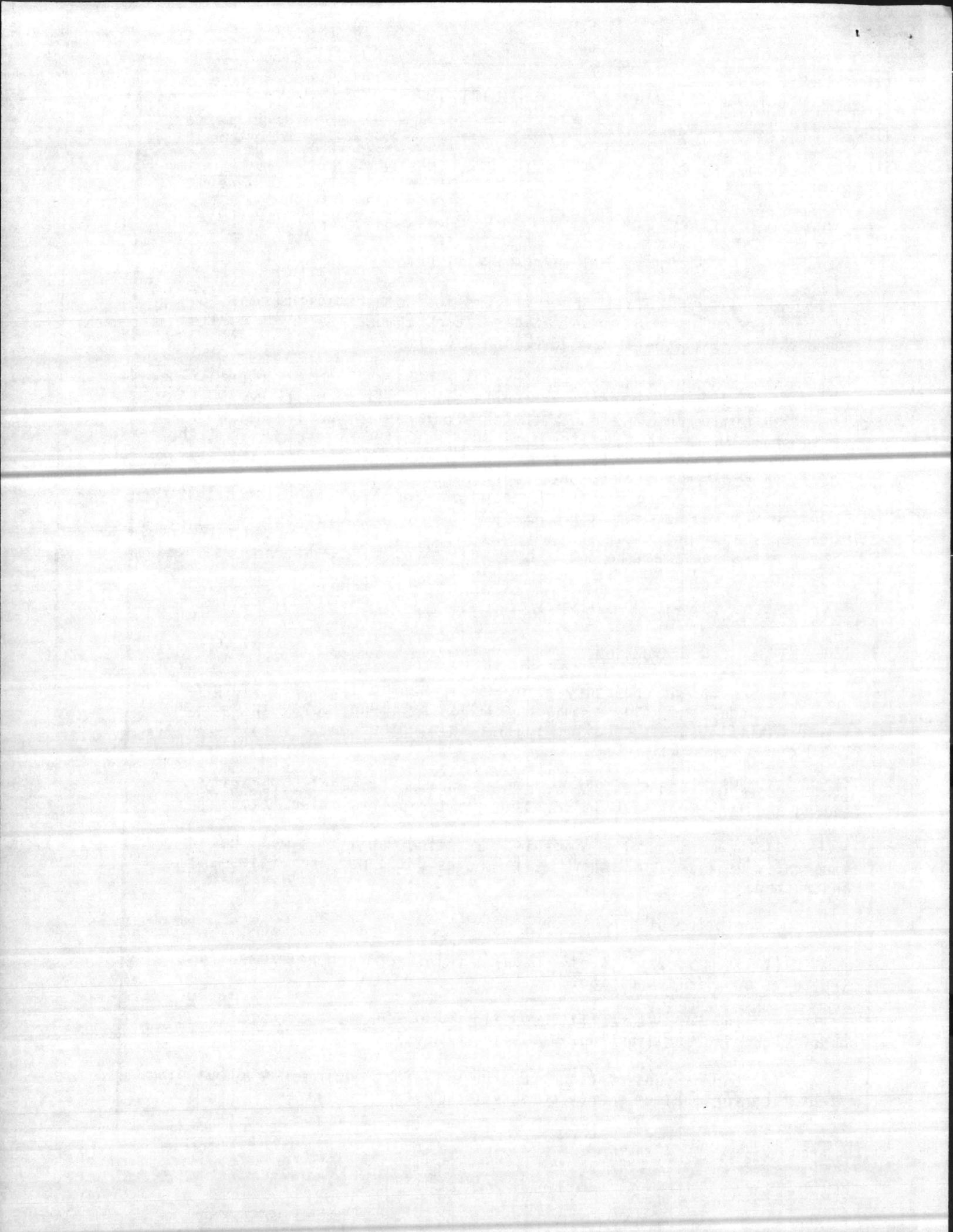
1. COMPONENT NAVY	FY 19 ⁸⁶ MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE ELEC/COMM MNT SHOP	5. PROJECT NUMBER P-569	

SPECIAL CONSIDERATIONS

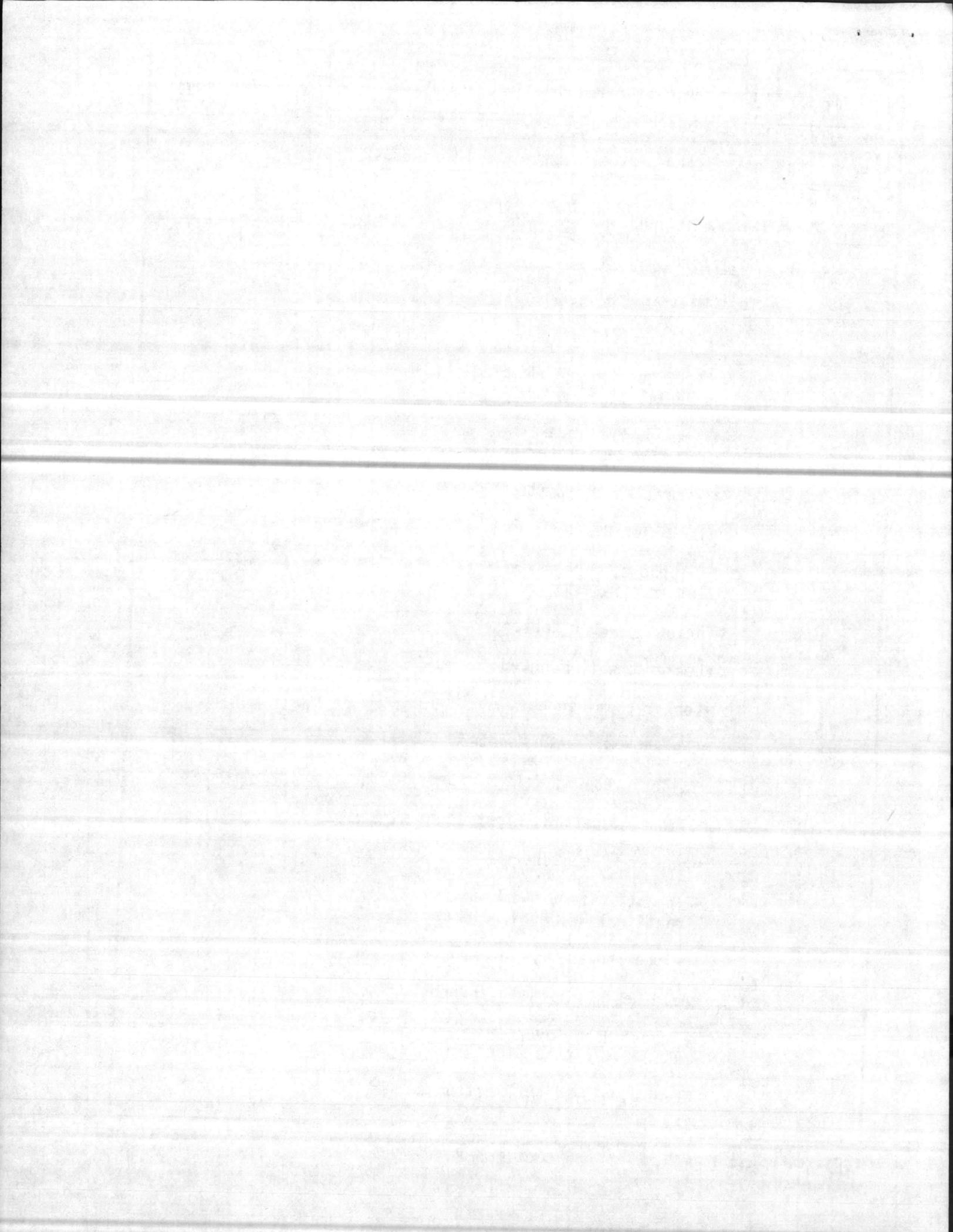
1. Pollution Prevention, Abatement, and Control: This project will not cause additional air or water pollution.
2. Flood Hazard Evaluation: Requirements of Executive Order No. 11296 (Flood Hazards) are not applicable.
3. Environmental Impact: The project Environmental Impact Assessment has been made, 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.



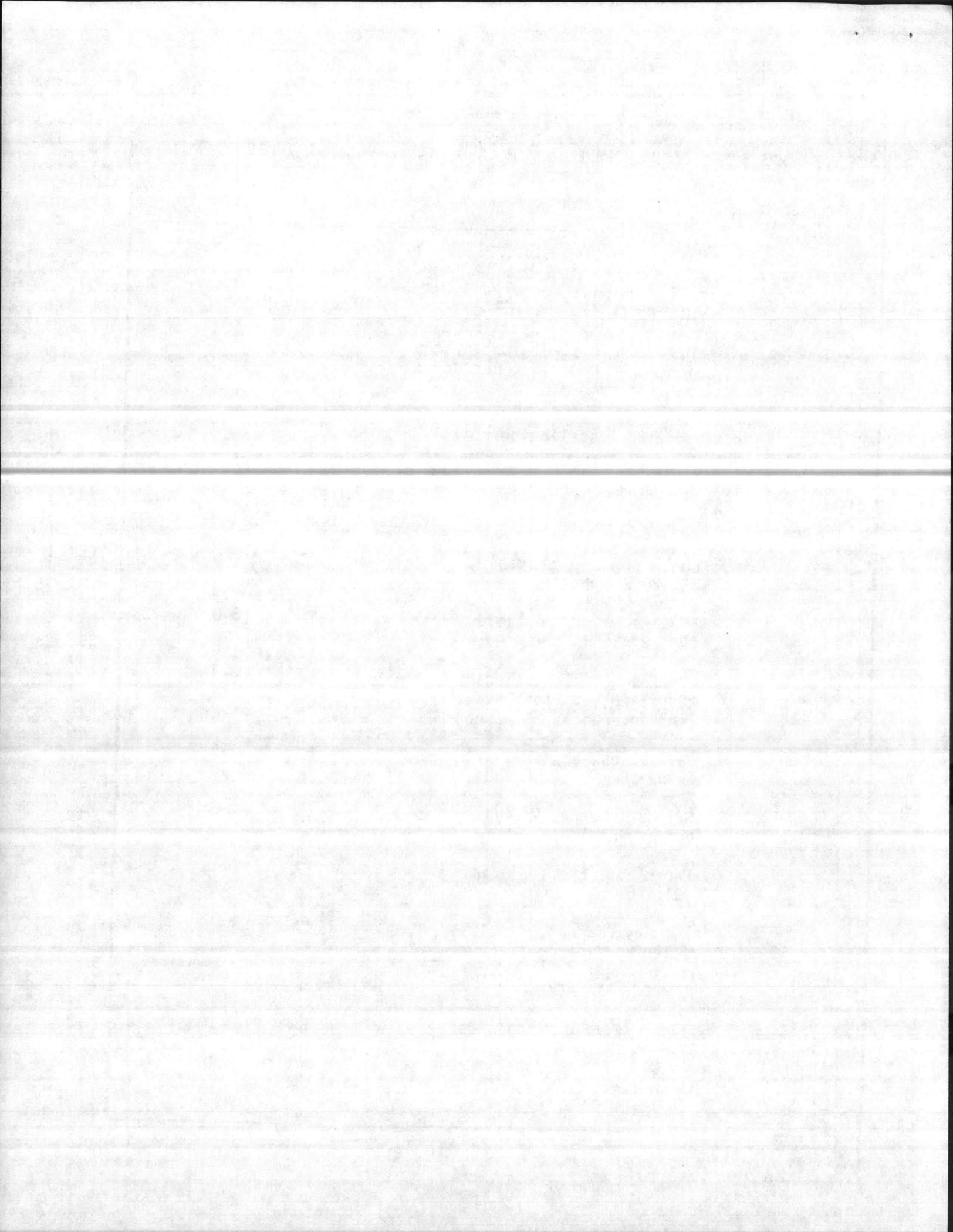
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4. PROJECT TITLE ELEC/COMM MAINTENANCE SHOP	5. PROJECT NUMBER P-569	
<p style="text-align: center;"><u>FACILITY STUDY</u></p> <p>1. <u>Project.</u> Provide 6,316 SF of electronics/communications maintenance shop for electronics and communications T/E equipment assigned to the Reconnaissance Battalion of the 2d Marine Division.</p> <p>2. <u>Current and Planned Future Workload with Regard to this Project.</u> The duration of need is indefinite and the facility will be utilized 100 percent of the time. An average of ten hours per day for a five-day work-week is spent in the shop. After training exercises or deployments, the maintenance workload increases; consequently, many nights and weekends are required to perform the additional maintenance. The organization is responsible for performing first and second echelon maintenance on all items of electronics and communications equipment authorized by the T/E. The future workload is difficult to project; however, it is expected to increase as the present equipment becomes older and new items are introduced into the system.</p> <p>3. <u>Description of Proposed Construction.</u></p> <p style="padding-left: 20px;">a. <u>Type of Construction.</u></p> <p style="padding-left: 40px;">(1) Permanent one-story maintenance shop on pilings, reinforced concrete foundations, floors, masonry walls, built-up roofs, insulation, interior utilities, air conditioning in training and administrative areas, 60/400 cycle power with AC/DC power bus duct.</p> <p style="padding-left: 40px;">(2) Rigid and flexible walks and parking pavements, security fencing and lighting, site improvements, exterior utilities, etc.</p> <p style="padding-left: 20px;">b. <u>Replacement.</u> Not applicable. Existing facilities will be temporarily utilized to satisfy deficiencies until new facilities are constructed.</p> <p style="padding-left: 20px;">c. <u>Description of Work to be Done.</u></p> <p style="padding-left: 40px;">(1) <u>Primary Facilities.</u> Modular reinforced concrete/masonry structures on pile foundation.</p> <p style="padding-left: 40px;">(a) <u>Support Facilities.</u> Rigid and flexible pavements, security fencing and lighting, utilities, and site improvement.</p> <p style="padding-left: 40px;">(2) <u>Energy Conservation.</u> Energy efficient equipment and building orientation for maximum energy conservation will be utilized.</p>		



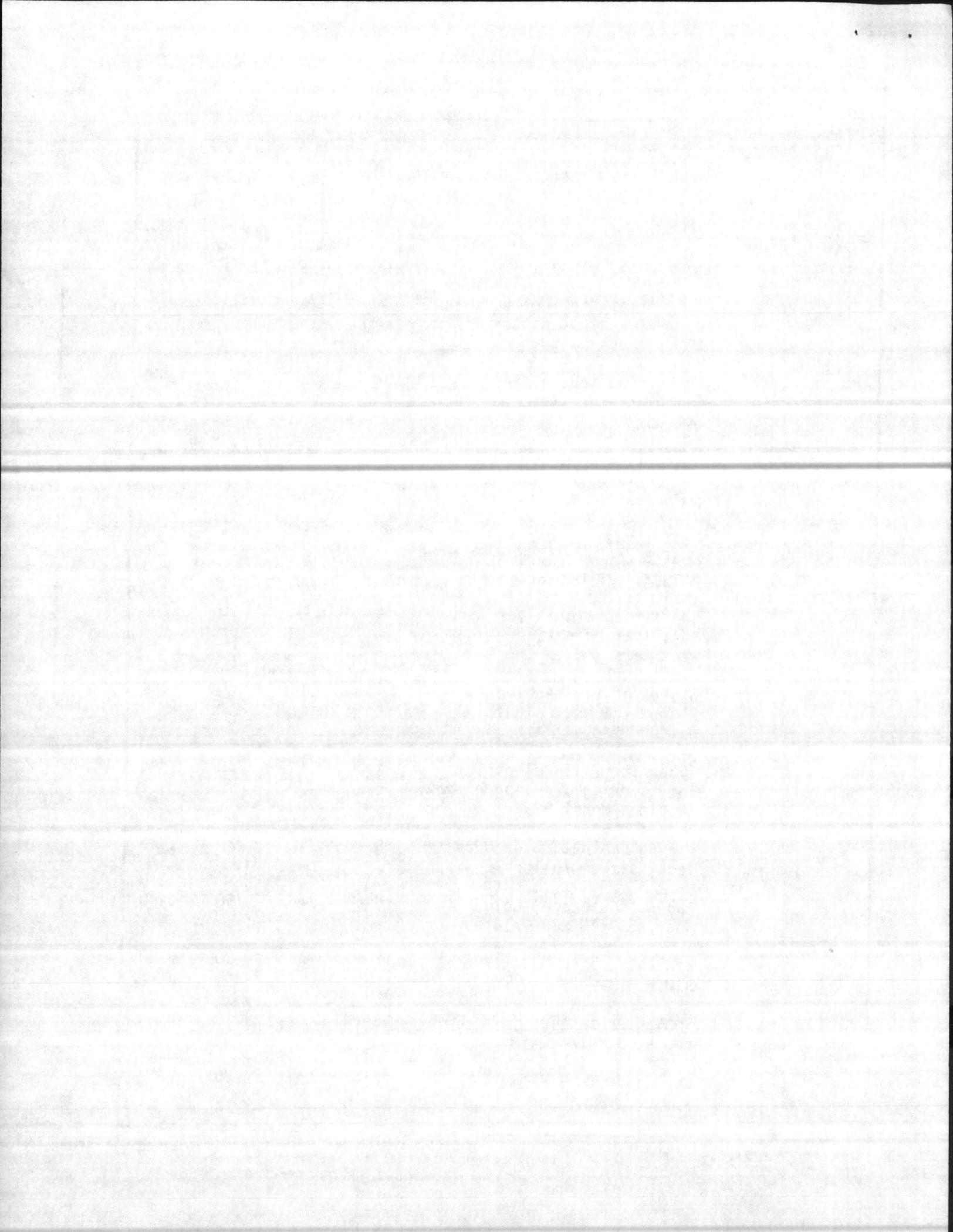
1. COMPONENT NAVY	FY 19 ⁸⁶ MILITARY CONSTRUCTION PROJECT DATA		2. DATE 1 AUG 1986
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542			
4. PROJECT TITLE ELEC/COMM MAINTENANCE SHOP			5. PROJECT NUMBER P-569
<p>(3) <u>Collateral Equipment.</u></p> <p>(a) <u>Built-in</u> (MCON Funded)</p> <p style="text-align: center;"><u>Description</u></p> <ul style="list-style-type: none"> *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 			



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<p>*Pass Window, 4' wide, w/counter & "B" label roll down shutter (w/fusible link)</p> <p>*60/400 Cycle Electrical System with AC/DC Power Bus Bar and transformers</p>				
*Equipment with associated installation cost.				
(b) <u>Expense Items</u>				
	<u>Qty</u>	<u>Unit of Issue</u>	<u>Unit Price</u>	<u>Total Cost</u>
Benches, work, portable, 48"x28"x34"H	10	EA	\$ 225	\$ 2,250
Benches, work, portable, 72"x28"x34"H	8	EA	340	2,720
Benches, work, stationary, 28"Dx34"H, stl top, std, lead covered in btry shop	12	EA	375	4,620
Parts Bins, adj shelving 14"x24"D	8	EA	75	600
Grinder, bench, 7" w/ buffer wheel	2	EA	385	770
Parts Rota Bins, 3' dia. multi-bin	8	EA	360	2,880
Battery Charger, 12/24/36V, selenium type; battery tester, 12/24/36V, 2.2KW, 60/400 cyl, AC/DC	2	EA	550	1,100
14"W shelving w/adj stds	8	EA	120	960
12"W shelving w/adj stds, 6 shelves, 36"W & 84"H	8	EA	90	720

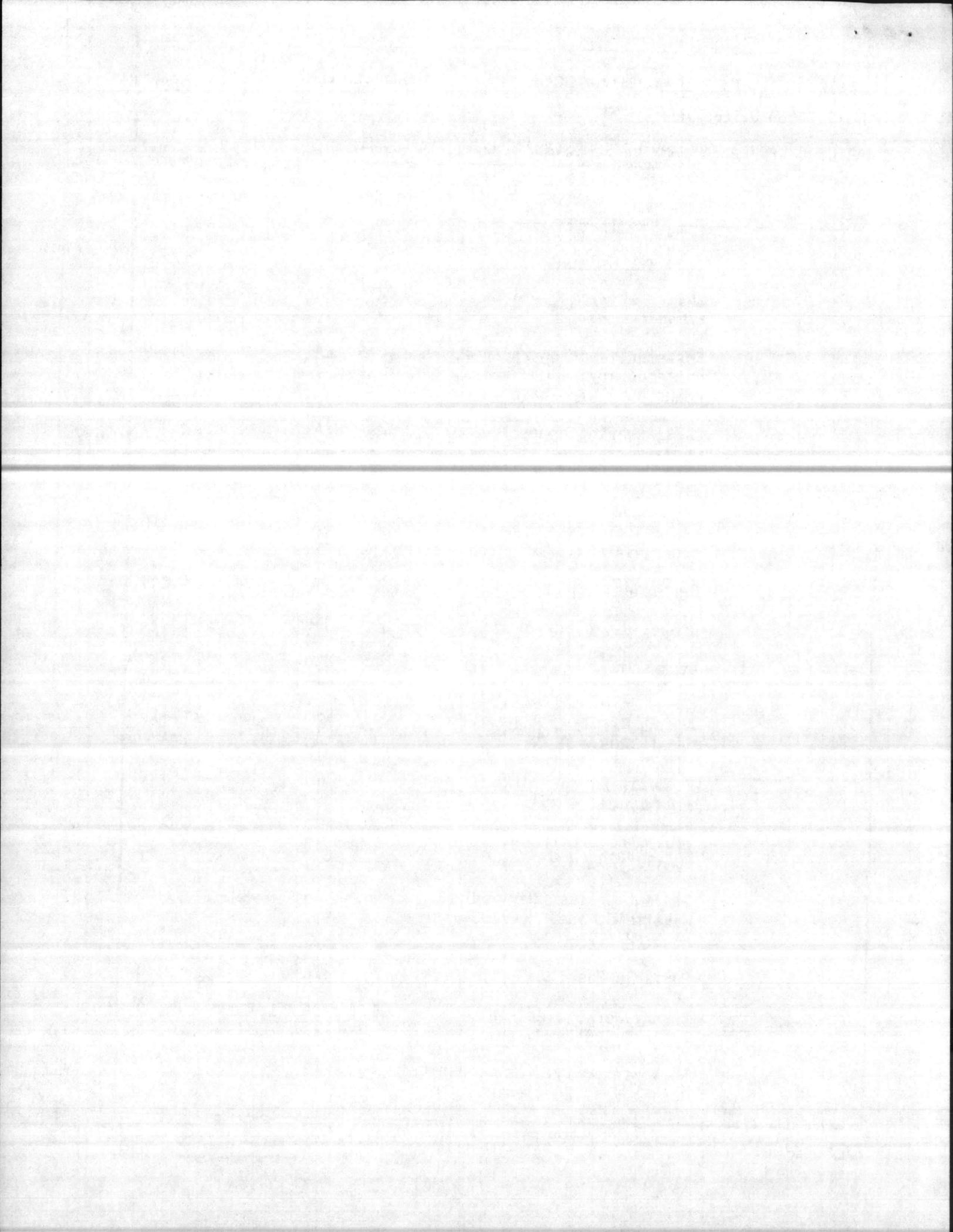


1. COMPONENT NAVY		FY 19 86 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 1 AUG 1980		
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4. PROJECT TITLE ELEC/COMM MAINTENANCE SHOP				5. PROJECT NUMBER P-569		
		<u>Description</u>	<u>Qty</u>	<u>Unit of Issue</u>	<u>Unit Price</u>	<u>Total Cost</u>
		Desk, flat top, dbl ped, 60"x30", walnut pattern top, no overhang	6	EA	\$ 315	\$1,890
		Desk, flat top, 45"x30" walnut pattern top, no overhang	6	EA	240	1,440
		Desk, flat top, w/attach for sec'l & gen. clerical purposes	4	EA	275	1,100
		Chair, rotary, tilting seat & back, adj. seat height, w/arms, w/casters	12	EA	94	1,128
		Chair, secretarial, rotary adj. seat height, w/o arms, w/casters	4	EA	70	280
		Stand, office machine 2 drop leaves, walnut pattern top, w/casters	4	EA	66	264
		Typewriter, IBM electric 13½" carriage, carbon ribbon, 10 pitch Model 833	5	EA	710	3,550
		Filing Cabinet, 5 drawers, legal size, w/o lock	8	EA	220	1,760
		Cabinet, storage, dbl door, 36"x18"x80-1/16"H	6	EA	190	1,140
		Bookcase, base, 33"x13" x10"H	12	EA	20	240
		Bookcase, section, w/o doors, 31"x12"x14"H	36	EA	40	1,440
		Bookcase, top, 33"x 13"x2¼"H	12	EA	20	240



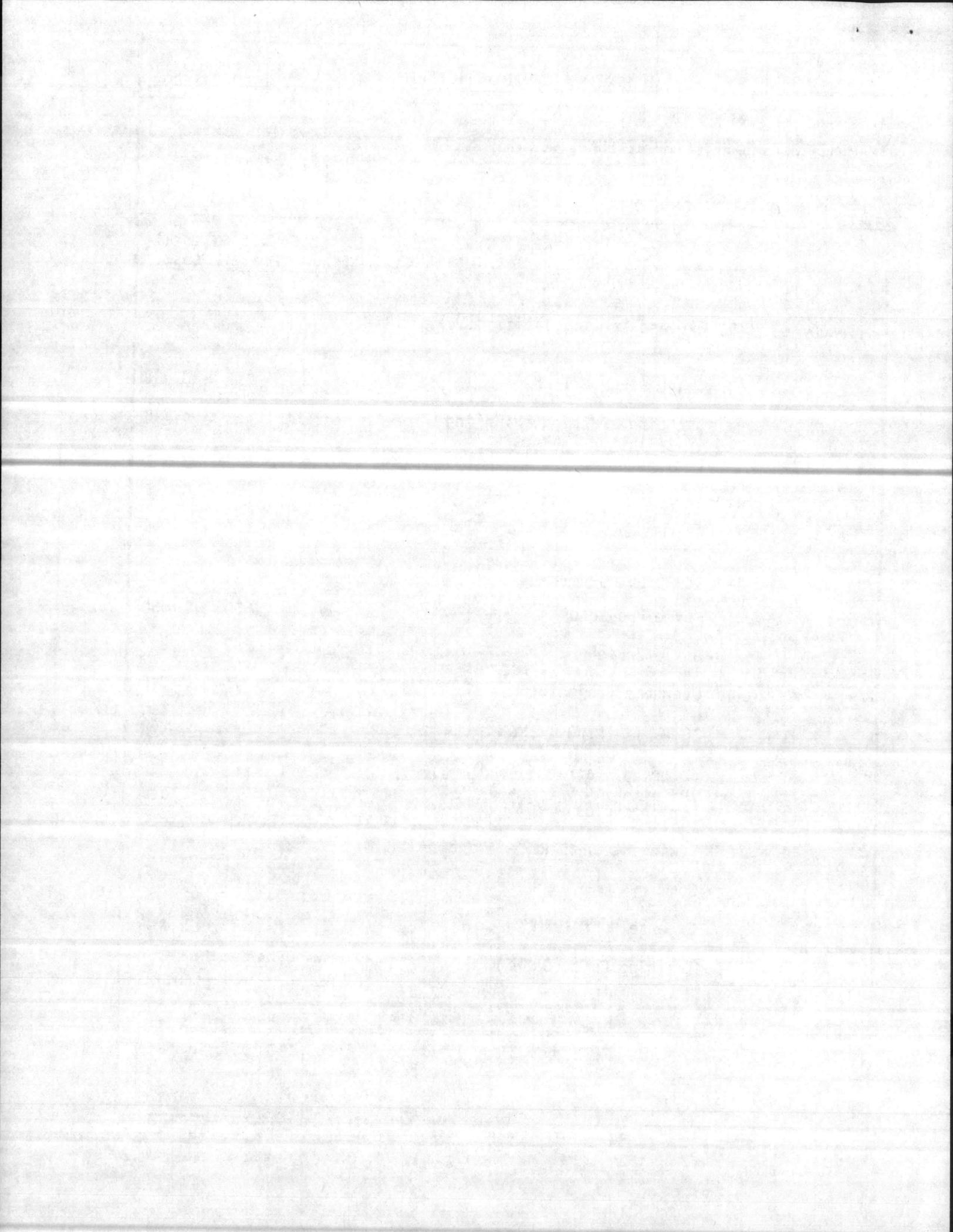
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Description	Qty	Unit of Issue	Unit Price	Total Cost
Chair, straight, w/o arms	20	EA	\$ 75	\$ 1,500
Costumer, wearing apparel, contemporary, 4 dbl hooks, round pole w/rd base	12	EA	35	420
Rack, wearing apparel contemporary, 6 metal hangers, 78"Hx30"Lx20"D at base	12	EA	85	1,020
Wastepaper Basket, dark brown, 14½"Hx13" dia top	20	EA	6	120
Draperies, lined	2	PR	74	148
Draperies, blackout	2	PR	95	190
Desk Lamp	16	EA	45	720
Adding Machine, Monroe Model 1405	2	EA	290	580
Bulletin Board, cork, alum frame, 4'x6'	8	EA	65	520
Table, gen. purpose, 60"x30"x29½"H	4	EA	105	420
Student Chairs, Heywood Wakefield Model HC-7730-PABS-PP	30	EA	70	2,100
Portable Easel	2	EA	85	170
Bench, work, electronic, 60 cycle & 400 cyc., 28V	6	EA	1,450	8,700
Rack, security, for mechanics' tool boxes, 24 openings	2	EA	2,000	4,000

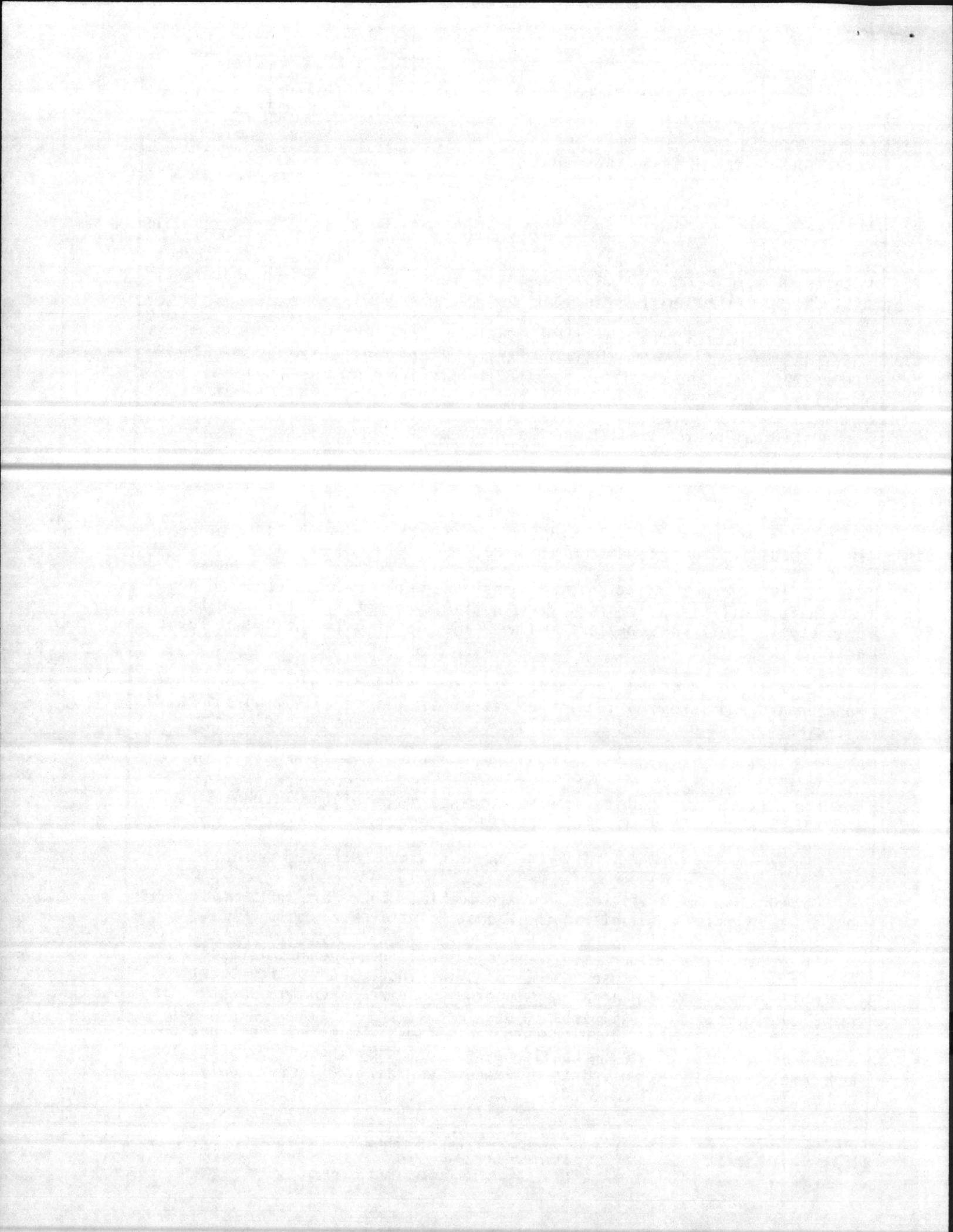


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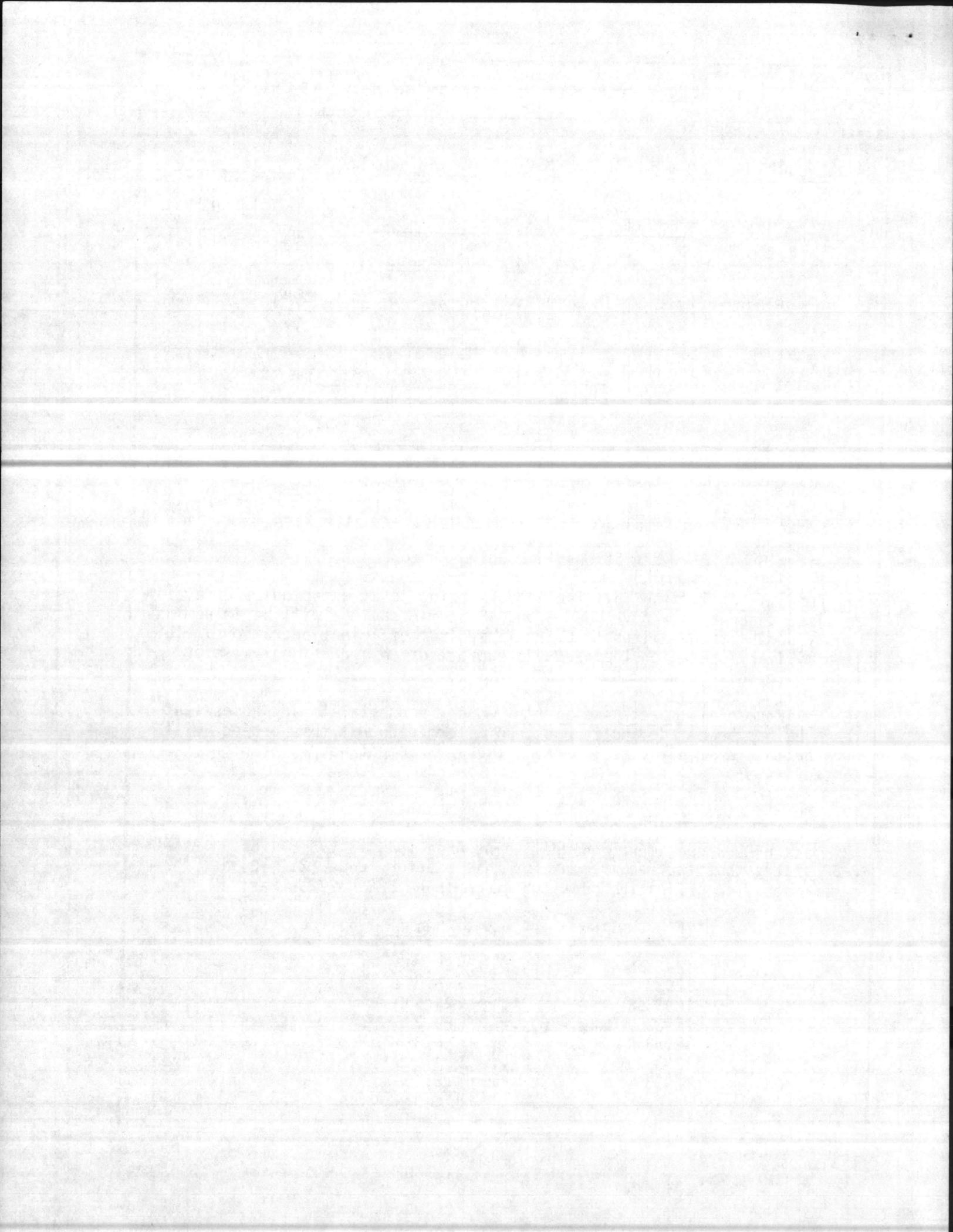
	Qty	Unit of Issue	Unit Price	Total Cost
(b) Expense Items (continued...)				
TOTAL EXPENSE ITEMS				\$ 53,400
Shipping, Packing, Handling Installation Charges & Contingencies - 10%				5,340
(c) <u>Investment Items</u> : None				
(d) <u>APA Equipment</u> - None				
(e) <u>Training Equipment</u>				
Movie Projector	1	EA	\$650	\$ 650
Movie Screen	1	EA	235	235
Overhead Projector	1	EA	375	375
TOTAL TRAINING ITEMS				\$1,260
Shipping, Packing, Handling, Installation Charges & Contingencies - 10%				126
(f) <u>Equipment on Hand</u> - None				
(g) <u>Summary</u>				
Expense Cost (O&MMC)				\$58,866
Training Cost (O&MMC)				1,260
	TOTAL			\$60,126



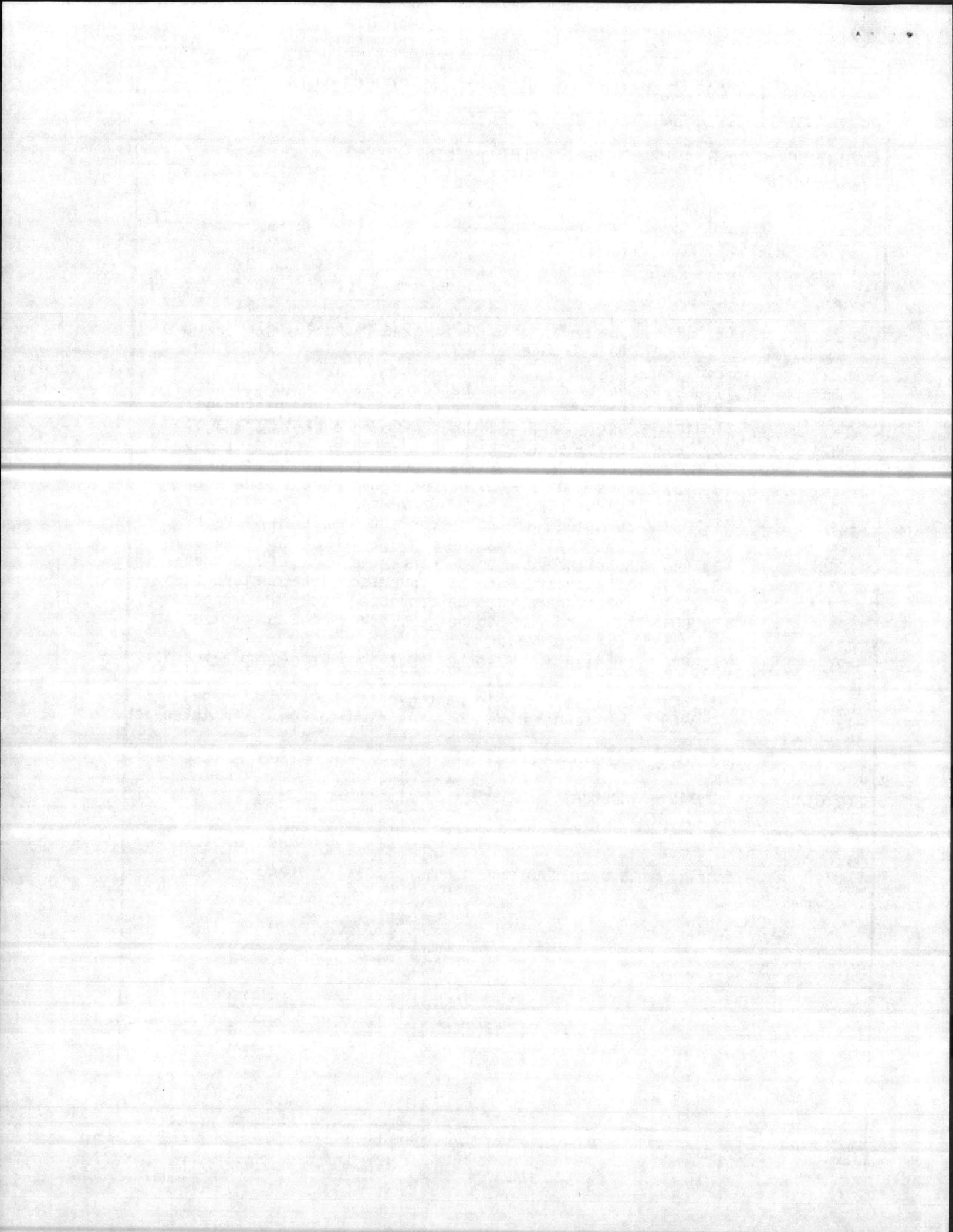
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<p>(4) <u>Supporting Facilities</u>. Special piling, foundation, solar hot water system, collateral equipment, site improvement, pollution abatement, etc. No demolition will be accomplished on this project.</p> <p>4. <u>Cost Estimate</u>. Area cost factor for Camp Lejeune, N. C. is 0.95. Cost data derived from the Military Construction Cost Review Guide, FY-82 (DOD 4270.1-CG), and escalated to FY-82 to provide for this proposed facility.</p> <p>5. <u>Justification for Project and for Scope of Project</u>.</p> <p>a. <u>Justification for Project</u>.</p> <p>(1) <u>Project</u>. Proposed facilities are required to provide the Reconnaissance Battalion adequate and secure facilities to perform electronic and communications equipment maintenance.</p> <p>(2) <u>Current Situation</u>. Personnel are working in substandard and makeshift facilities, temporary WW-II Butler type metal buildings with open bays and oil space heaters and no heads, located in the Hadnot Point area.</p> <p>(3) <u>Impact if Not Provided</u>. Personnel will continue to work in substandard and makeshift facilities resulting in time consuming and inefficient operations resulting in loss of work time and wasted energy.</p> <p>b. <u>Justification for Scope of Project</u>. The project scope, 6,316 SF, is the minimum size facility that can meet the deficiency requirement for the electronic/communications maintenance needs of the Reconnaissance Battalion, 2d Marine Division. See Item 13.</p> <p>6. <u>Equipment Provided from Other Appropriations</u>. Not applicable.</p> <p>7. <u>Common Support Facilities</u>. Not applicable. There are no common support facilities available in the Hadnot Point area.</p> <p>8. <u>Effect on Other Resources</u>. The project will require approximately \$2,171 per year in increased O&MMC funds for increased utility services and operations. No additional personnel will be required to operate this facility. The project will enhance and improve the morale of personnel presently working in widely dispersed facilities. Proposed construction should be responsive to the challenges presented by the energy situation and comply with the requirements of Executive Order 12003 of 20 July 1977 and implemented by NAVFACINST 4100.5A.</p>		



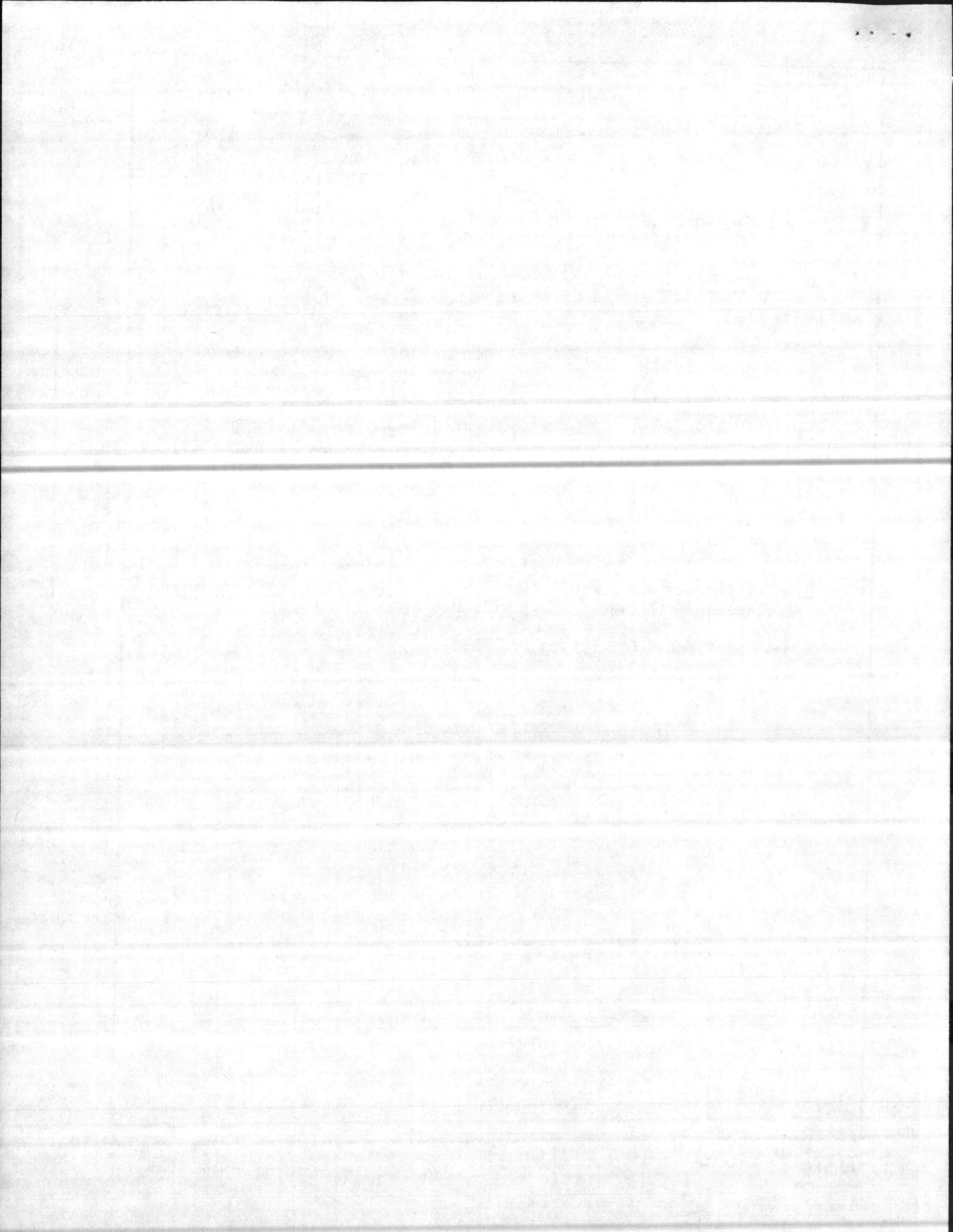
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<p style="text-align: center;"><u>Utility Requirements</u></p> <table border="0"> <tr> <td rowspan="3">a. Electricity</td> <td>Consumption</td> <td style="text-align: right;">21,420</td> <td style="text-align: right;">KWHR/yr</td> </tr> <tr> <td>Peak Demand</td> <td style="text-align: right;">13</td> <td style="text-align: right;">KW</td> </tr> <tr> <td>Avg Demand</td> <td style="text-align: right;">12</td> <td style="text-align: right;">KW</td> </tr> <tr> <td rowspan="2">b. Steam</td> <td>Consumption</td> <td style="text-align: right;">960,797</td> <td style="text-align: right;">lbs/yr</td> </tr> <tr> <td>Demand</td> <td style="text-align: right;">344</td> <td style="text-align: right;">lbs/hr</td> </tr> <tr> <td>c. Coal</td> <td></td> <td style="text-align: right;">37.5</td> <td style="text-align: right;">tons/yr</td> </tr> </table> <p>d. Adequate utility requirements are available.</p> <p>9. <u>Siting of the Project:</u> This facility will be located in the 300 Area of Hadnot Point, in keeping with the Camp Lejeune Master Plan. See encl (1).</p> <p>10. <u>Other Graphic Presentations, including Photographs.</u></p> <p>11. <u>Economic Analysis.</u> This facility is being constructed on an undeveloped site adjacent to a developed area. Economic savings will be in nominal energy consumption savings to be realized from efficient operations. This is a military operational project in support of an operational mission located in this area.</p> <p>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.</p> <p>13. <u>Quantitative Data.</u></p> <p>a. <u>BFRL Requirement.</u> Hadnot Point Area (DA) is 175,074 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.</p> <table border="0" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: left;"><u>NAVFAC Dwg. No.</u></th> <th style="text-align: right;"><u>Area SF</u></th> </tr> </thead> <tbody> <tr> <td>1293355</td> <td style="text-align: right;">36,280</td> </tr> <tr> <td>1293357</td> <td style="text-align: right;">8,048</td> </tr> <tr> <td>1293358</td> <td style="text-align: right;">24,500</td> </tr> <tr> <td>1293359(3x29,775)</td> <td style="text-align: right;">89,325</td> </tr> <tr> <td>1293360</td> <td style="text-align: right;">6,316</td> </tr> <tr> <td>1293366M</td> <td style="text-align: right;">4,505</td> </tr> <tr> <td>1293361</td> <td style="text-align: right;">6,100</td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right; border-top: 1px solid black;">175,074</td> </tr> </tbody> </table>			a. Electricity	Consumption	21,420	KWHR/yr	Peak Demand	13	KW	Avg Demand	12	KW	b. Steam	Consumption	960,797	lbs/yr	Demand	344	lbs/hr	c. Coal		37.5	tons/yr	<u>NAVFAC Dwg. No.</u>	<u>Area SF</u>	1293355	36,280	1293357	8,048	1293358	24,500	1293359(3x29,775)	89,325	1293360	6,316	1293366M	4,505	1293361	6,100	TOTAL	175,074
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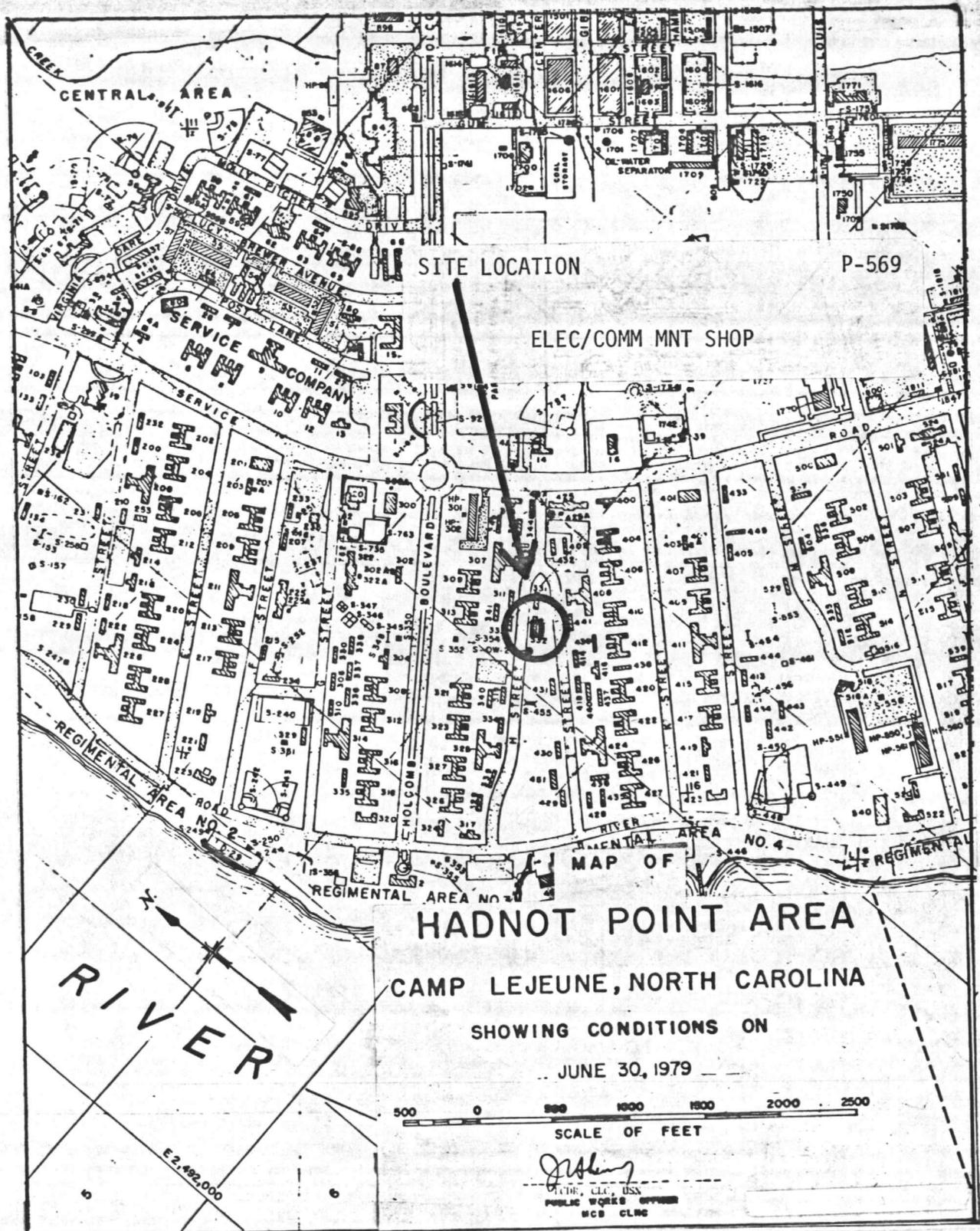


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b. <u>Existing Facilities.</u>					
<u>Bldg. No.</u>		<u>Area</u>		<u>Remarks</u>	
S-23		(2,156)		Substandard, to be retained & building redesignated to Cat Code 833-09	
24*		2,349+		Adequate	
116*		(1,089)		Substandard - to be converted back to storage.	
134		(3,729)		Substandard - to be converted back to storage.	
234*		(1,947)		Substandard - to be converted back to storage.	
307*		(22,786)		Substandard - to be converted back to storage.	
329		(3,729)		Substandard - to be converted back to storage.	
414		(3,663)		Substandard - to be converted back to storage.	
439		(3,240)		Substandard - to be converted back to storage.	
442*		(1,705)		Substandard - to be converted back to storage.	
444*		(2,160)		Substandard - to be converted back to storage.	
505*		(2,145)		Substandard - to be converted back to storage.	
532		(3,729)		Substandard - to be converted back to storage.	
534*		(-270)		Substandard - to be converted back to storage.	
599*		(2,000)		Substandard - to be demolished upon completion of P-508 & P-572.	
816*		(4,800)		Substandard - to be demolished upon completion of P-507 & P-175.	
905*		(11,960)		Substandard - to be converted back to storage.	
1309		(4,396)		Substandard - to be converted to vehicle maintenance.	
		(75,504)		SUBSTANDARD	
SUBTOTAL		2,349+		ADEQUATE	
* Multi-use building					
+ Misnomer - facility has been changed to administrative space.					

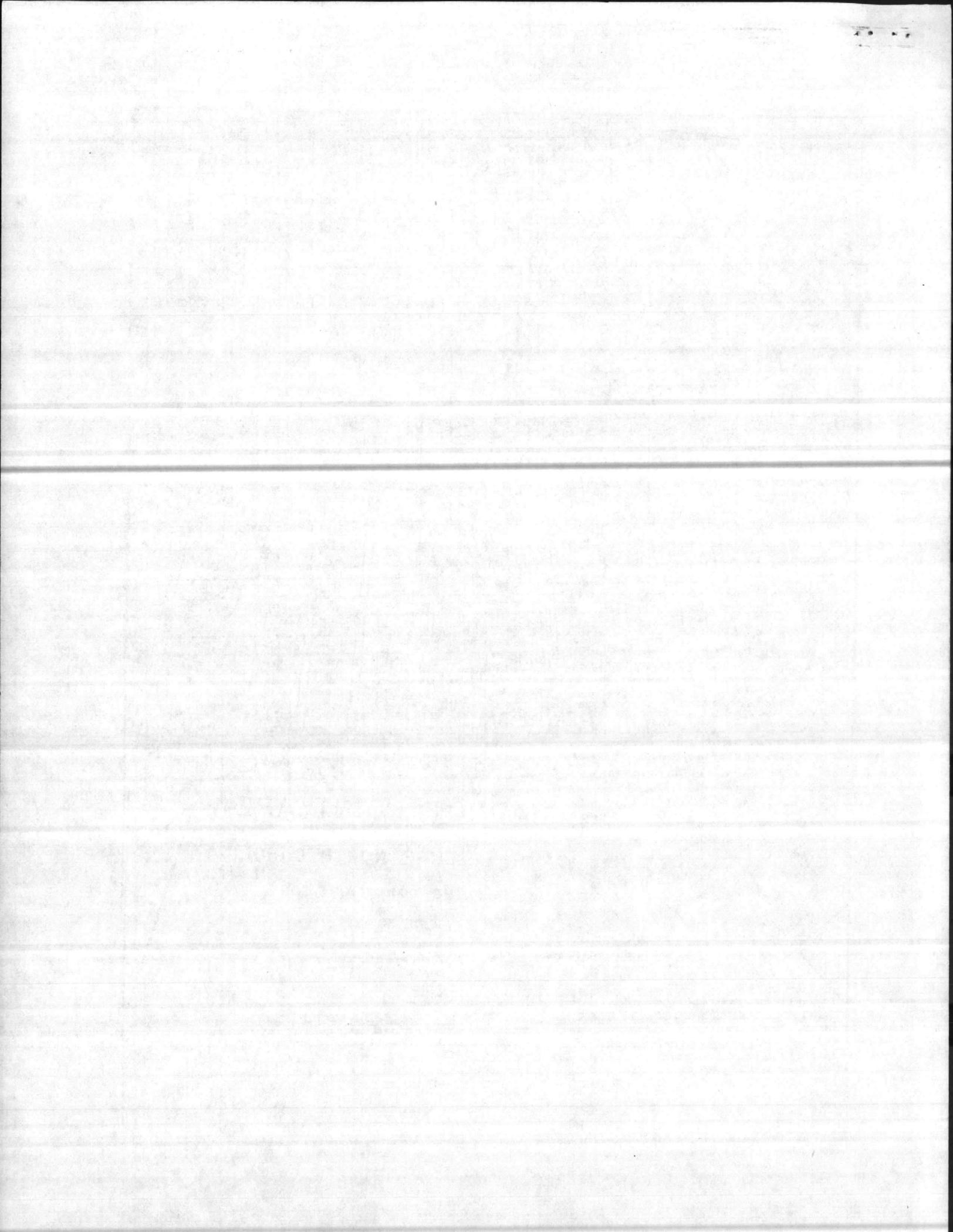


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<p data-bbox="224 457 604 491">c. <u>Planned Facilities.</u></p> <table border="0"> <thead> <tr> <th data-bbox="142 527 321 560"><u>Project No.</u></th> <th data-bbox="440 520 561 554"><u>Area SF</u></th> <th data-bbox="789 478 1328 548"><u>Marine Corps Base and 2D Marine Division Organizations</u></th> </tr> </thead> <tbody> <tr> <td>P-643</td> <td>29,775</td> <td>Marine Infantry Regiment (2DMARDIV)</td> </tr> <tr> <td>P-527</td> <td>29,775</td> <td>Marine Infantry Regiment (2DMARDIV)</td> </tr> <tr> <td>P-644</td> <td>29,775</td> <td>Marine Infantry Regiment (2DMARDIV)</td> </tr> <tr> <td>P-229</td> <td>36,280</td> <td>10th Marines (2DMARDIV)</td> </tr> <tr> <td>P-175</td> <td>24,500</td> <td>Headquarters Battalion (2DMARDIV)</td> </tr> <tr> <td>P-565</td> <td>4,505</td> <td>Elec/Comm Maintenance Shop (MCB)</td> </tr> <tr> <td>P-536</td> <td>6,100</td> <td>2d Tank Battalion (2DMARDIV)</td> </tr> <tr> <td>P-653</td> <td>8,048</td> <td>Engineer Battalion (2DMARDIV)</td> </tr> <tr> <td>P-569</td> <td>6,316</td> <td>Reconnaissance Battalion (2DMARDIV)</td> </tr> <tr> <td>SUBTOTAL</td> <td>175,074</td> <td></td> </tr> </tbody> </table> <p data-bbox="233 978 889 1180">d. Existing Adequate Facilities 0 Planned Facilities <u>175,074</u></p> <p>Total Planned & Existing 175,074</p> <p>BFRL TOTAL 175,074</p>			<u>Project No.</u>	<u>Area SF</u>	<u>Marine Corps Base and 2D Marine Division Organizations</u>	P-643	29,775	Marine Infantry Regiment (2DMARDIV)	P-527	29,775	Marine Infantry Regiment (2DMARDIV)	P-644	29,775	Marine Infantry Regiment (2DMARDIV)	P-229	36,280	10th Marines (2DMARDIV)	P-175	24,500	Headquarters Battalion (2DMARDIV)	P-565	4,505	Elec/Comm Maintenance Shop (MCB)	P-536	6,100	2d Tank Battalion (2DMARDIV)	P-653	8,048	Engineer Battalion (2DMARDIV)	P-569	6,316	Reconnaissance Battalion (2DMARDIV)	SUBTOTAL	175,074	
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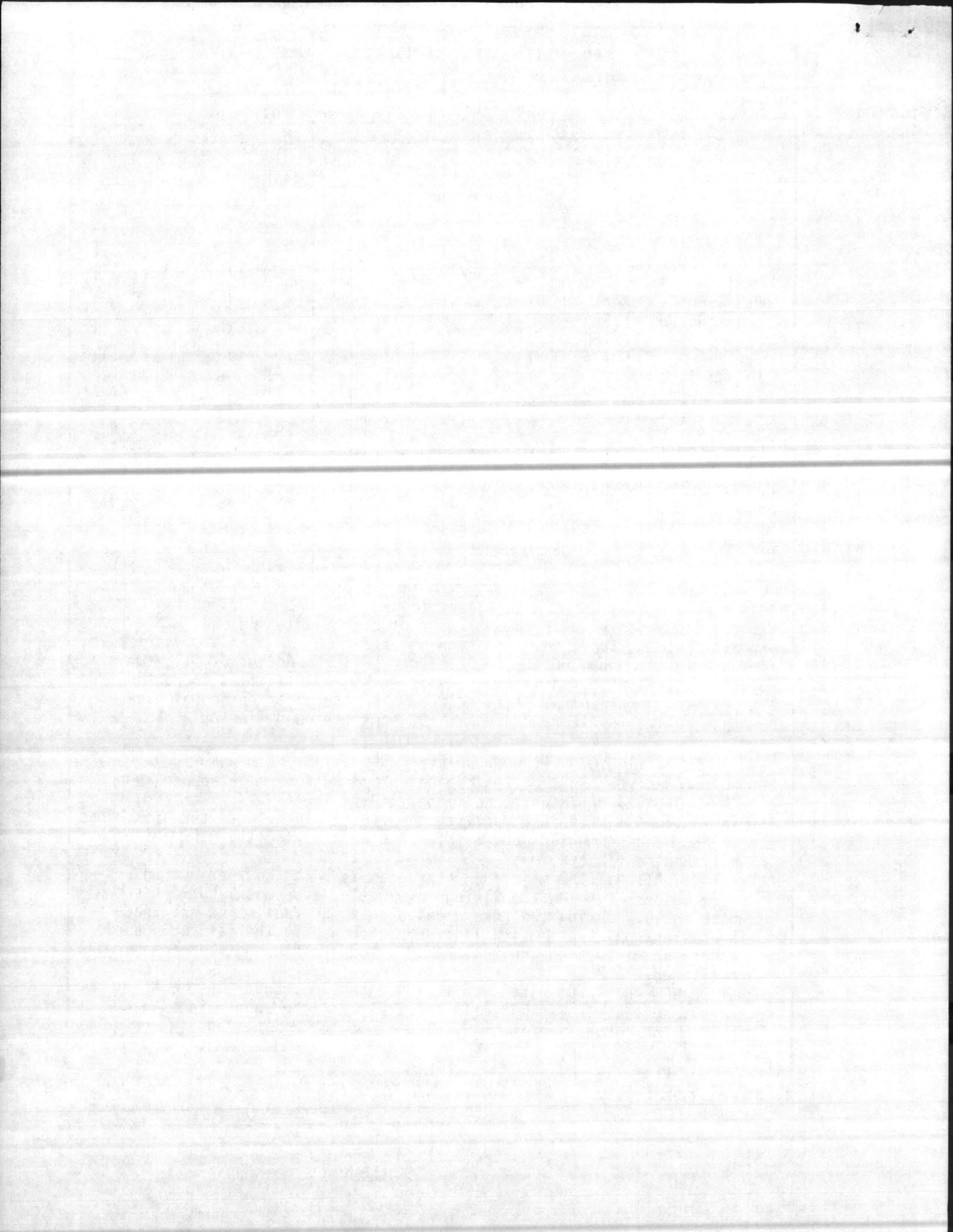




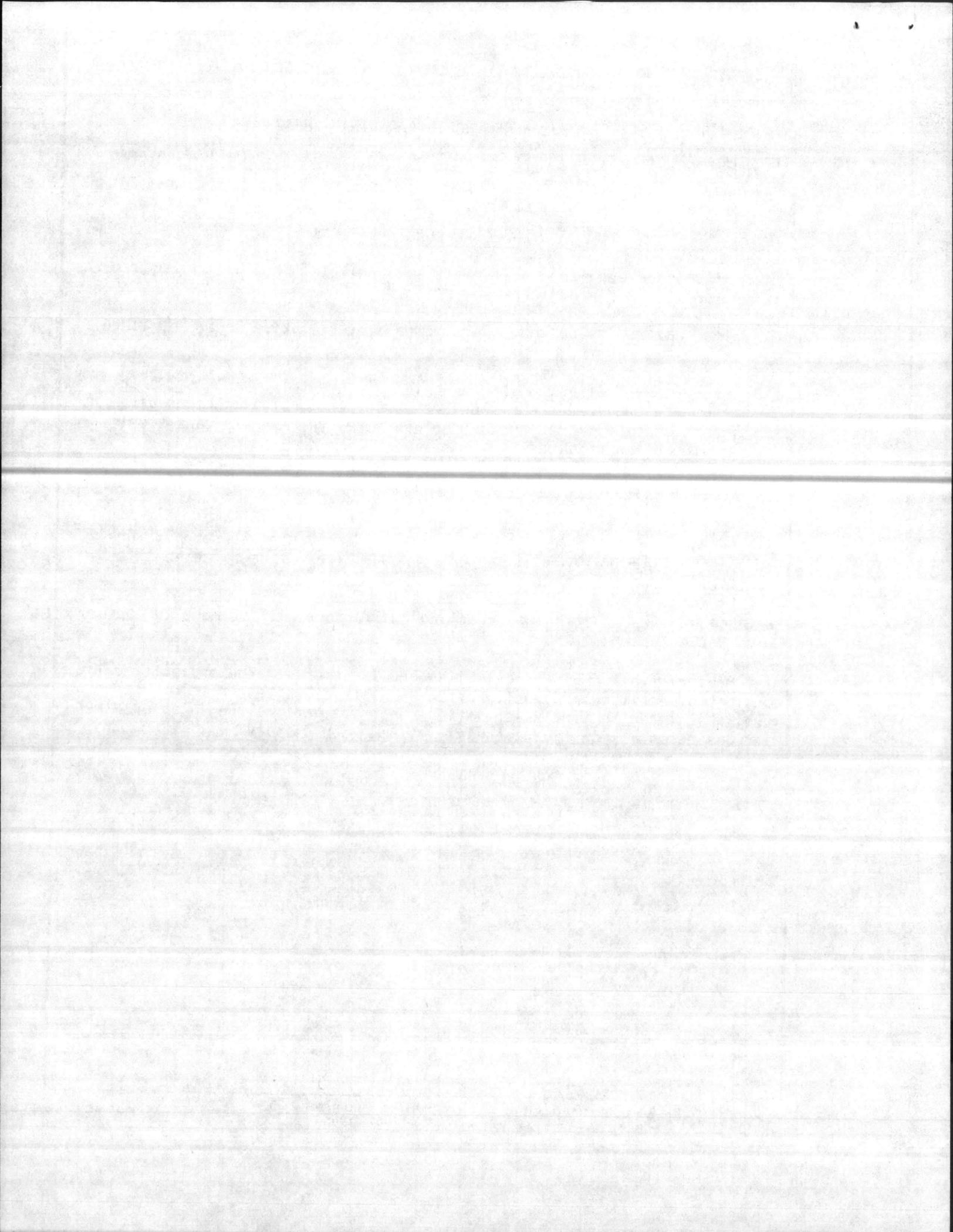
ENCLOSURE (1)



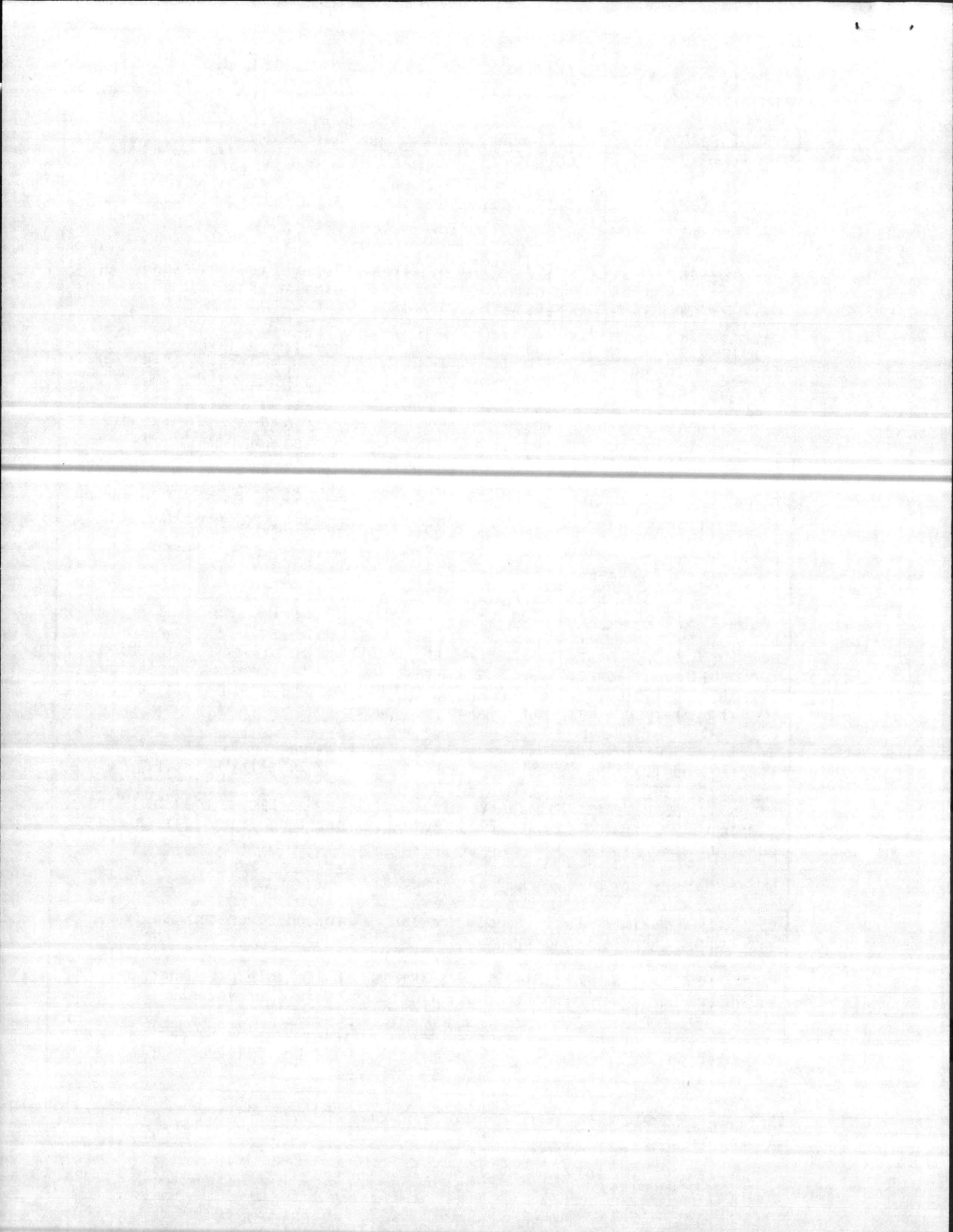
1. COMPONENT NAVY		FY 19 86 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 1 AUG 1980	
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA 28542			4. PROJECT TITLE ELEC/COMM MNT SHOP		
5. PROGRAM ELEMENT	6. CATEGORY CODE 217-10	7. PROJECT NUMBER P-644	8. PROJECT COST (\$000) 2,900		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
ELECTRONICS/COMMUNICATION MAINTENANCE SHOP		SF	29,775	76.28	2,271
Building		SF	29,775	61.23	(1,823)
Built-in Equipment		LS	-	-	(388)
Solar Hot Water System		LS	-	-	(60)
SUPPORTING FACILITIES		-	-	-	358
Special Construction Features		LS	-	-	(49)
Utilities		LS	-	-	(122)
Roads, Parking, Sidewalks		LS	-	-	(157)
Site Improvements		LS	-	-	(30)
SUBTOTAL		-	-	-	2,629
CONTINGENCY (5%)		-	-	-	131
TOTAL CONTRACT COST		-	-	-	2,760
SUPERVISION, INSPECTION & OVERHEAD (5.5%)		-	-	-	152
TOTAL REQUEST		-	-	-	2,912
TOTAL REQUEST (ROUNDED)		-	-	-	2,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	-	-
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>Permanent one story shop with piles, reinforced concrete foundation, floors, and masonry walls. Built-up roof over insulation and interior support systems, i.e., air conditioning, steam, compressed air, sprinkler, fire alarm, plumbing, 60/400 cycle electrical; grounding, etc., exterior pavements, fencing, area lighting, site work, and utilities connected are included. Fallout shelter excluded - shelters for personnel have been programmed in other projects. (97 tons air conditioning)</p> <p>REQUIREMENTS: <u>175,074 SF.</u> ADEQUATE: <u>2,349 SF.</u> SUBSTANDARD: <u>75,504 SF.</u> PROJECT: Construct an electronics and communications maintenance shop for a 2d Marine Division Infantry Regiment in Division Area 4. REQUIREMENT: A maintenance facility to effectively execute the prescribed electronics and communications maintenance program for the 6th Marines Infantry Regiment/Battalions. CURRENT SITUATION: The maintenance program is being carried out in sub-standard masonry-type WWII buildings and Butler-type metal buildings constructed in 1952 during the Korean campaign. The facilities are inadequate as electronics/communications shops for use in the maintenance of the modern sophisticated equipment in use today and cannot be economically rehabilitated. IMPACT IF NOT PROVIDED: The deadline time on electronic equipment for personnel and vehicles will remain adversely affected and maintenance capability and combat readiness will continue to be impaired.</p>					



1. COMPONENT NAVY	FY 19 85 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE ELEC/COMM MNT SHOP	5. PROJECT NUMBER P-644	
<p style="text-align: center;"><u>SPECIAL CONSIDERATIONS</u></p> <ol style="list-style-type: none"> 1. <u>Pollution Prevention, Abatement, and Control</u>: This project will not cause additional air or water pollution. 2. <u>Flood Hazard Evaluation</u>: Requirements of Executive Order No. 11296 (Flood Hazards) are not applicable. 3. <u>Environmental Impact</u>: The project Environmental Impact Assessment has been made, reviewed, and where required, the design concepts give consideration to eliminating adverse environmental effects consistent with applicable directives. 4. <u>Fallout Shelter Construction</u>: Fallout shelter protection is incorporated in the facility. 5. <u>Design for Accessibility of Physically Handicapped Personnel</u>: Provisions for physically handicapped personnel are not required in this facility. 6. <u>Use of Air Conditioning</u>: Ceiling "U" factors will be made to conform with DOD 4270.1-M. 7. <u>Preservation of Historical Sites and Structures</u>: The project facility does not directly or indirectly affect a district, site, building, structure, object, or setting which is listed in the National Register or otherwise possesses a significant quality of American history. 		



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4. PROJECT TITLE ELEC/COMM MAINTENANCE SHOP	5. PROJECT NUMBER P-644	
<p style="text-align: center;"><u>FACILITY STUDY</u></p> <p>1. <u>Project.</u> Provide 29,775 SF of electronics/communications maintenance shop for electronics and communications T/E equipment assigned to Infantry Regiment/Battalion, 2d Marine Division.</p> <p>2. <u>Current and Planned Future Workload with Regard to this Project.</u> The duration of need is indefinite and the facility will be utilized 100 percent of the time. An average of ten hours per day for a five-day work-week is spent in the shop. After training exercises or deployments, the maintenance workload increases; consequently, many nights and weekends are required to perform the additional maintenance. The organization is responsible for performing first and second echelon maintenance on all items of electronics and communications equipment authorized by the T/E. The future workload is difficult to project; however, it is expected to increase as the present equipment becomes older and new items are introduced into the system.</p> <p>3. <u>Description of Proposed Construction.</u></p> <p>a. <u>Type of Construction.</u></p> <p>(1) Permanent one-story maintenance shop on pilings, reinforced concrete foundations, floors, masonry walls, built-up roofs, insulation, interior utilities, air conditioning in training and administrative areas. 60/400 cycle power with AC/DC power bus duct.</p> <p>(2) Rigid and flexible walks and parking pavements, security fencing and lighting, site improvements, exterior utilities, etc.</p> <p>b. <u>Replacement.</u> Not applicable. Existing facilities will be temporarily utilized to satisfy deficiencies until new facilities are constructed.</p> <p>c. <u>Description of Work to be Done.</u></p> <p>(1) <u>Primary Facilities.</u> Modular reinforced concrete/masonry structures on pile foundation.</p> <p>(a) <u>Support Facilities.</u> Rigid and flexible pavements, security fencing and lighting, utilities, and site improvement.</p> <p>(2) <u>Energy Conservation.</u> Energy efficient equipment and building orientation for maximum energy conservation will be utilized.</p>		



1. COMPONENT NAVY	FY 19 ⁸⁵ MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980
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3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

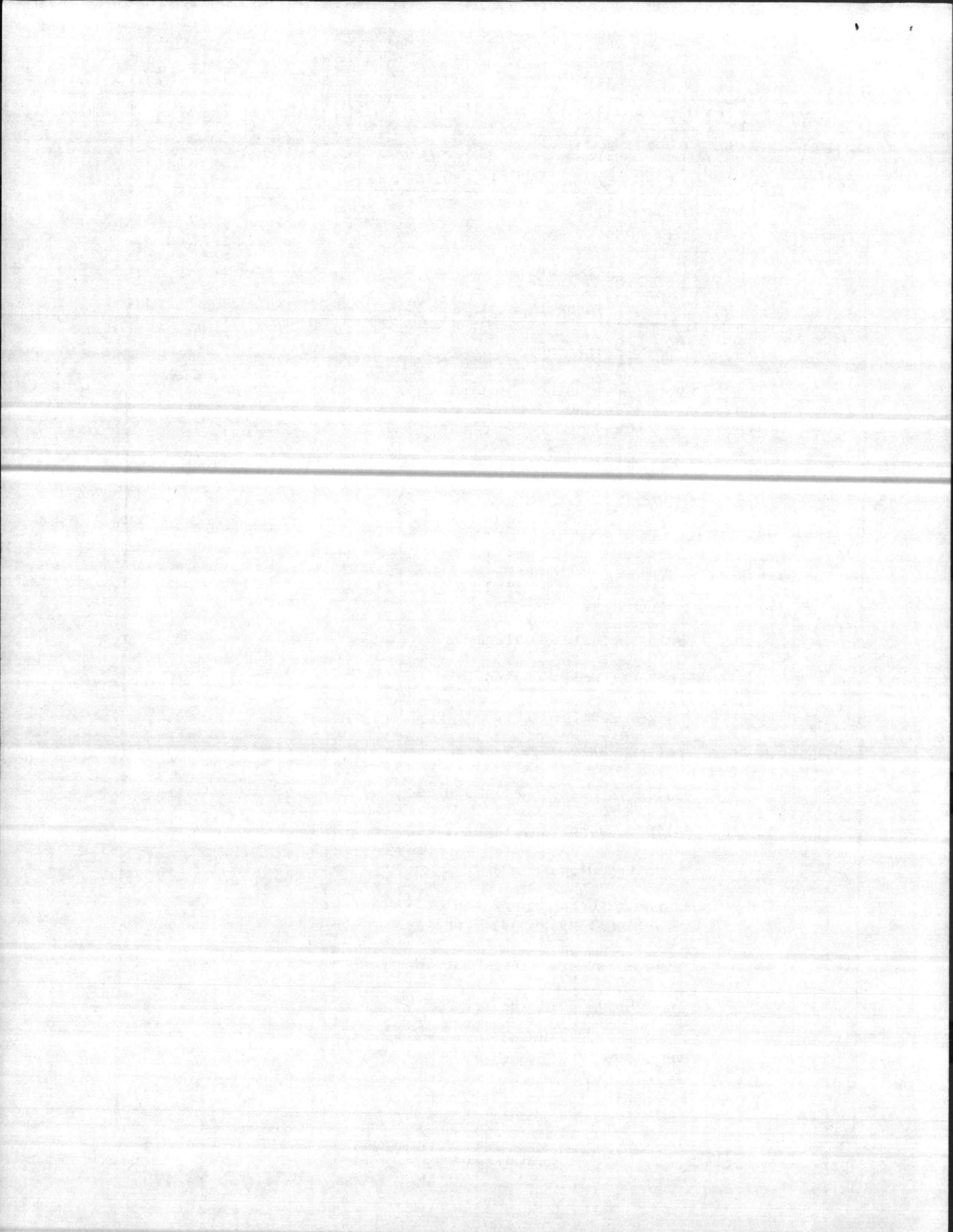
4. PROJECT TITLE ELEC/COMM MAINTENANCE SHOP	5. PROJECT NUMBER P-644
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(3) Collateral Equipment.

(a) Built-in (MCON Funded)

Description

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



1. COMPONENT NAVY	FY 19 <u>85</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE ELEC/COMM MAINTENANCE SHOP		5. PROJECT NUMBER P-644

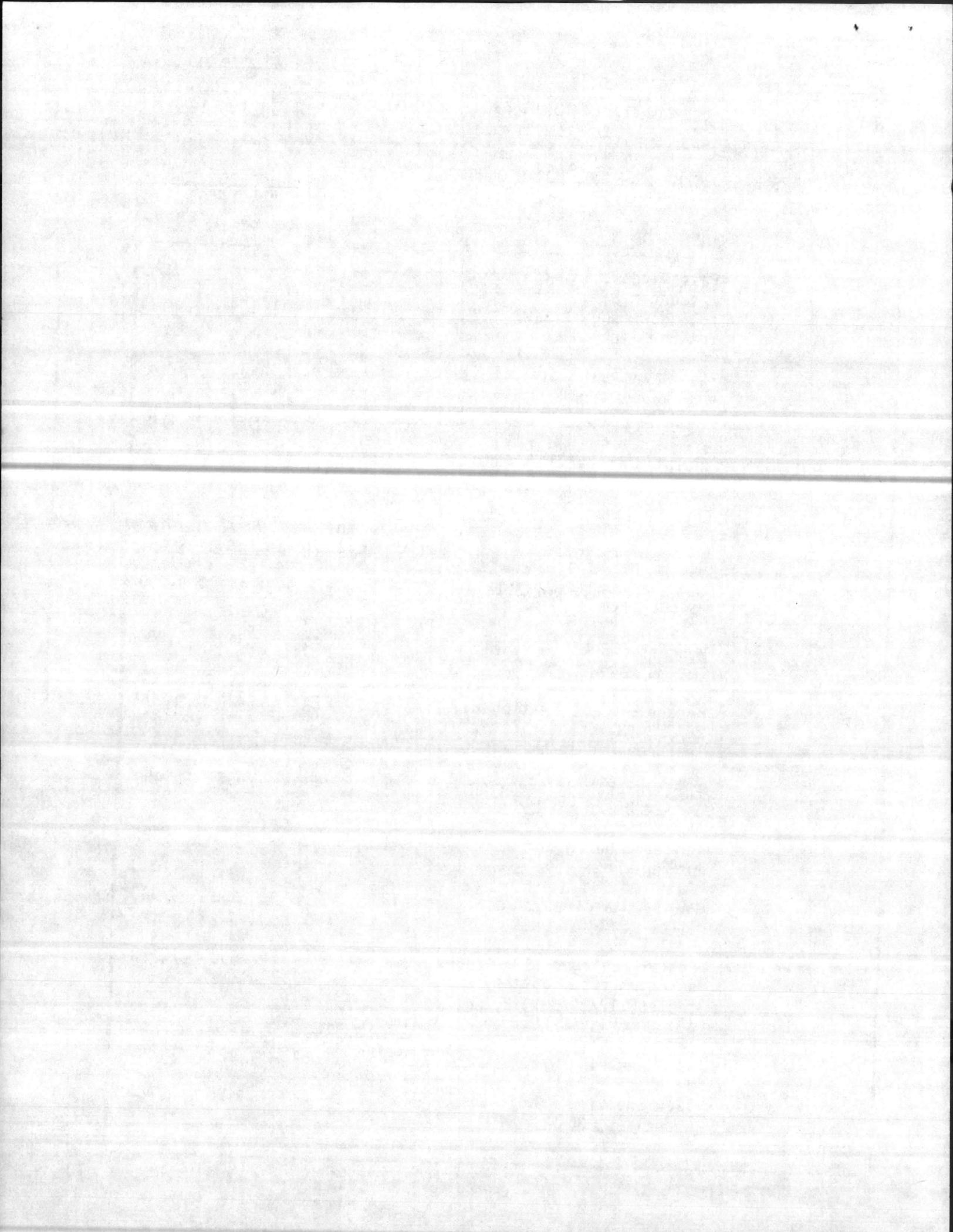
*Pass Window, 4' wide,
w/counter & "B" label
roll down shutter (w/
fusible link)

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

*Equipment with associated installation cost.

(b) Expense Items

<u>Description</u>	<u>Qty</u>	<u>Unit of Issue</u>	<u>Unit Price</u>	<u>Total Cost</u>
Benches, work, portable, 48"x28"x34"H	18	EA	\$ 225	\$ 4,050
Benches, work, portable, 72"x28"x34"H	12	EA	340	4,080
Benches, work, stationary, 28"Dx34"H, stl top, std, lead covered in btry shop	16	EA	375	6,000
Parts Bins, adj shelving 14"x24"D	6	EA	75	450
Grinder, bench, 7" w/ buffer wheel	1	EA	385	385
Parts Rota Bins, 3' dia. multi-bin	12	EA	360	4,320
Battery Charger, 12/24/36V, selenium type; battery tester, 12/24/36V, 2.2KW, 60/400 cyl, AC/DC	4	EA	550	2,200
14"W shelving w/adj stds	22	EA	120	2,640
12"W shelving w/adj stds, 6 shelves, 36"W & 84"H	22	EA	90	1,980

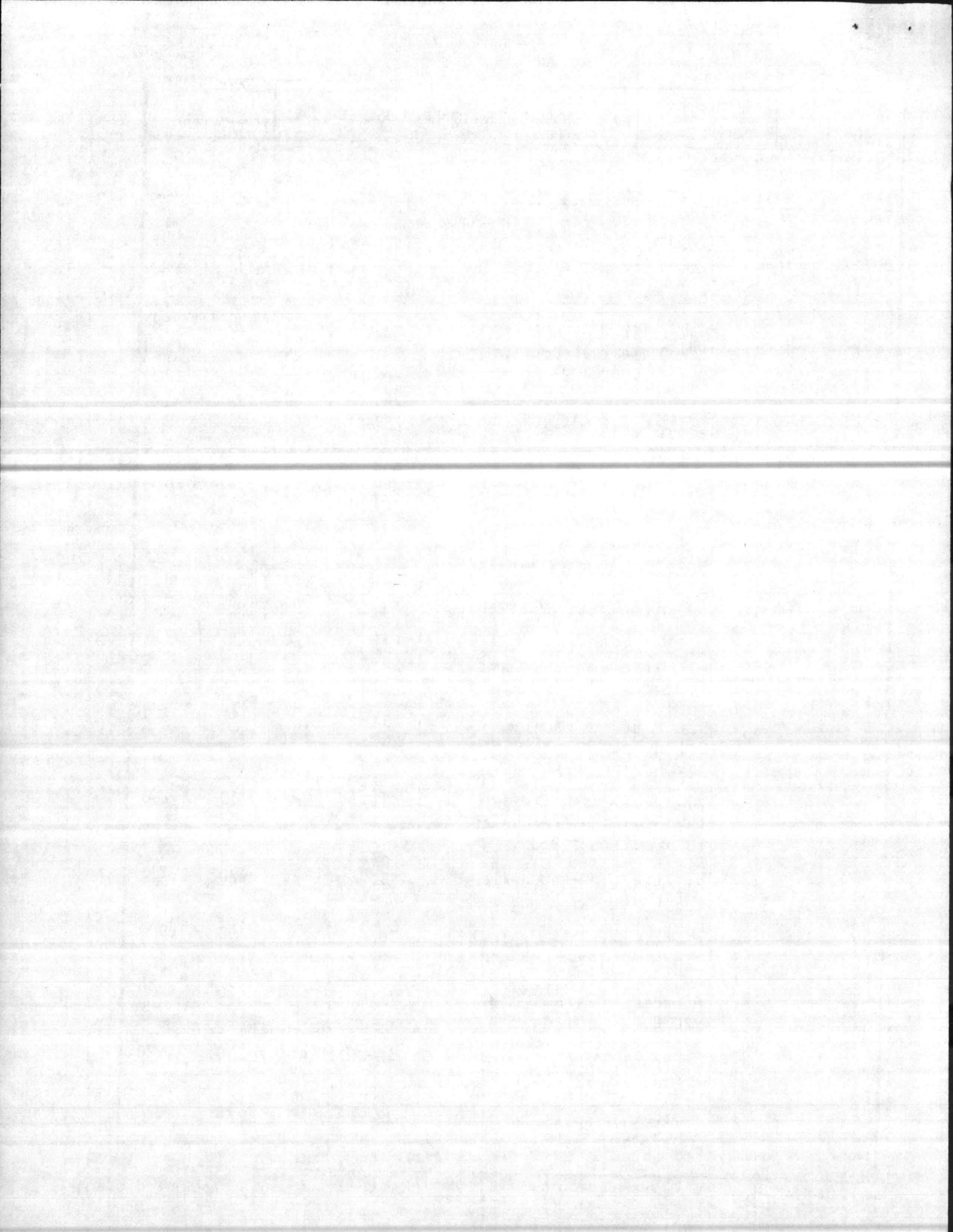


1. COMPONENT NAVY	FY 19 <u>85</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980
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3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE ELEC/COMM MAINTENANCE SHOP	5. PROJECT NUMBER P-644
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Description	Qty	Unit of Issue	Unit Price	Total Cost
Desk, flat top, dbl ped, 60"x30", walnut pattern top, no overhang	4	EA	\$ 315	\$1,260
Desk, flat top, 45"x30" walnut pattern top, no overhang	10	EA	240	2,400
Desk, flat top, w/attach for sec'l & gen. clerical purposes	10	EA	275	2,750
Chair, rotary, tilting seat & back, adj. seat height, w/arms, w/casters	20	EA	94	1,880
Chair, secretarial, rotary adj. seat height, w/arms, w/casters	10	EA	70	700
Stand, office machine 2 drop leaves, walnut pattern top, w/casters	6	EA	66	396
Typewriter, IBM electric 13½" carriage, carbon ribbon, 10 pitch Model 833	6	EA	710	4,260
Filing Cabinet, 5 drawers, legal size, w/o lock	8	EA	220	1,760
Cabinet, storage, dbl door, 36"x18"x80-1/16"H	10	EA	190	1,900
Bookcase, base, 33"x13"x10"H	12	EA	20	240
Bookcase, section, w/o doors, 31"x12"x14"H	48	EA	40	1,920
Bookcase, top, 33"x13"x2¼"H	12	EA	20	240

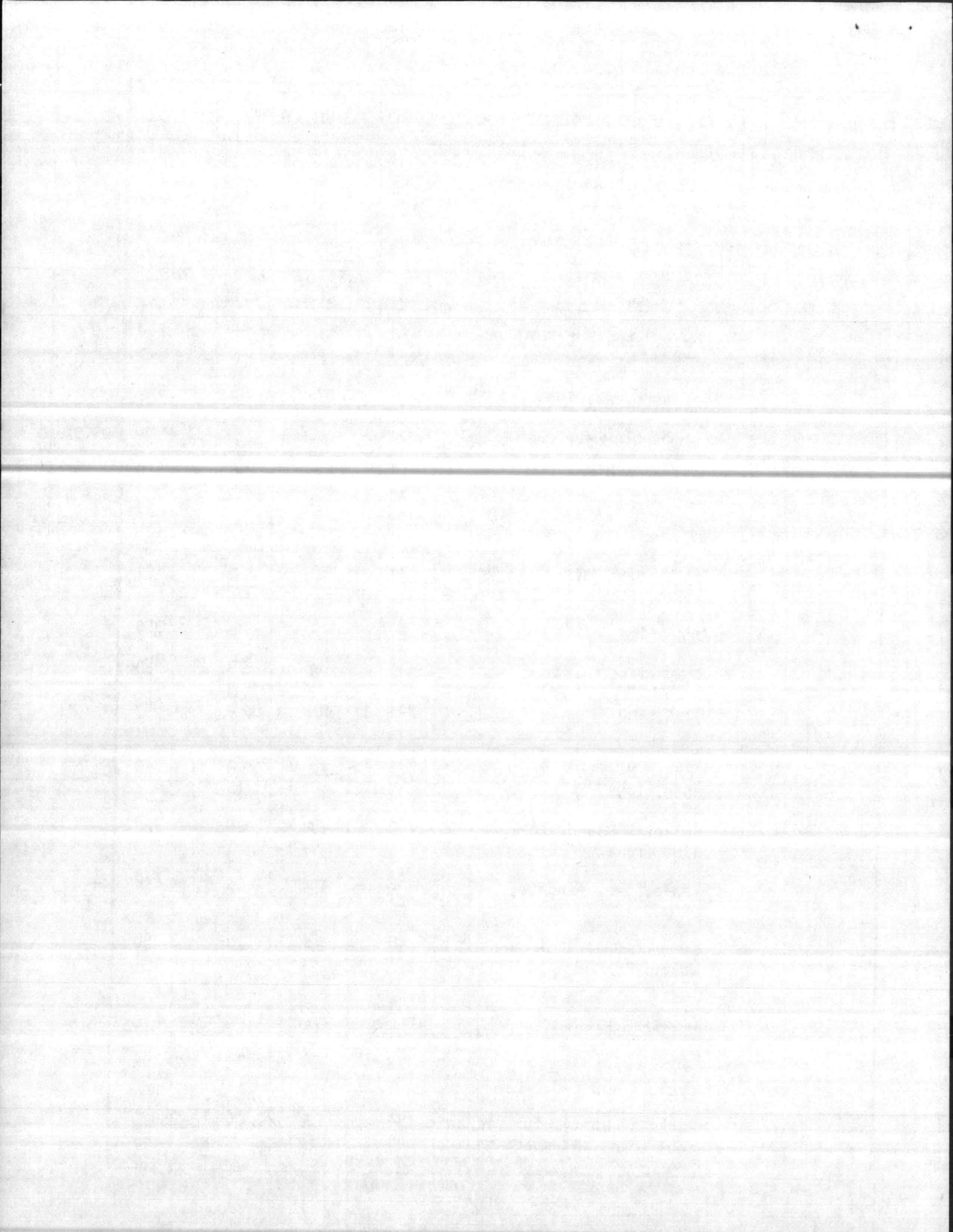


1. COMPONENT NAVY	FY 19 <u>85</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980
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3. INSTALLATION AND LOCATION
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

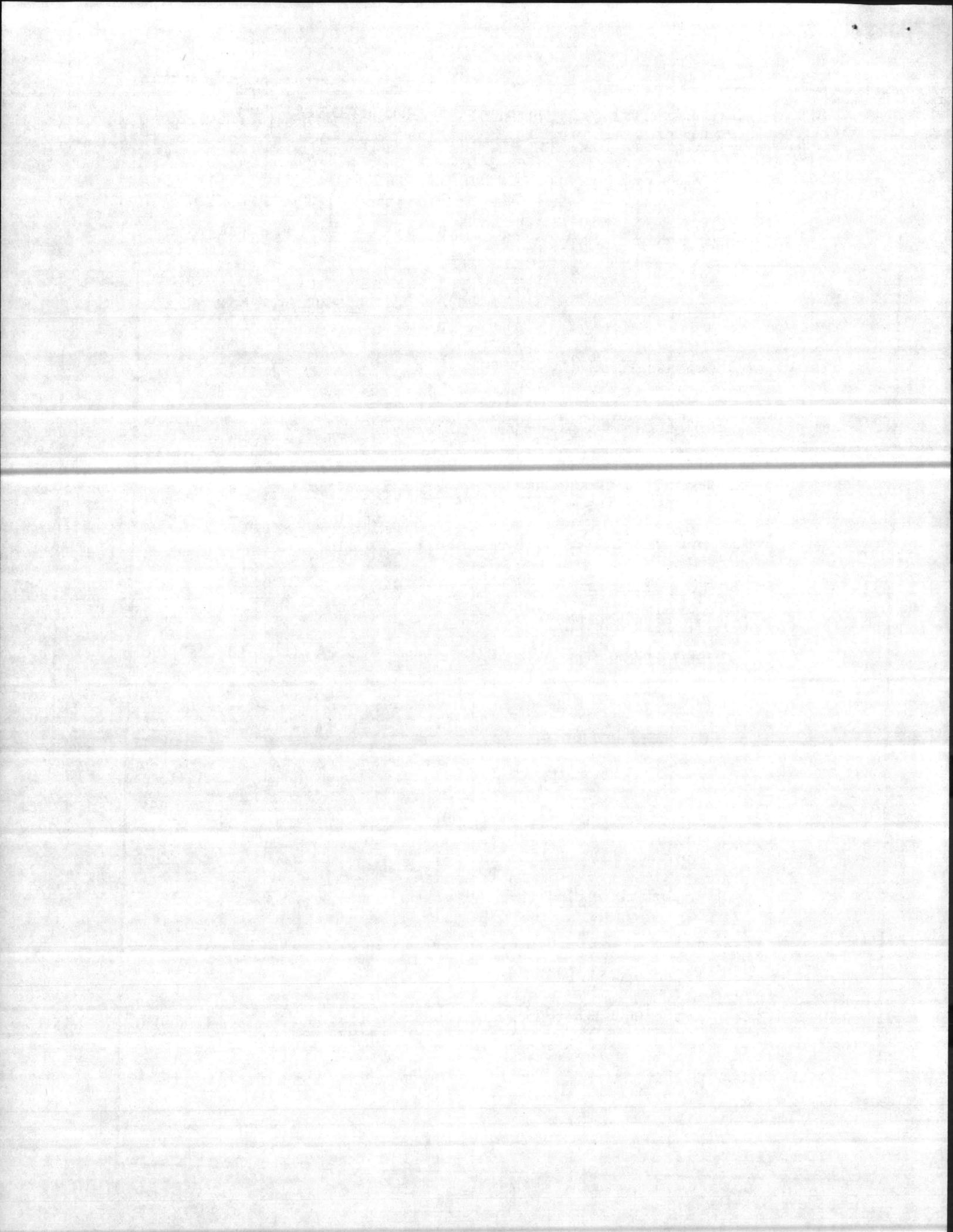
4. PROJECT TITLE ELEC/COMM MAINTENANCE SHOP	5. PROJECT NUMBER P-644
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Description	Qty	Unit of Issue	Unit Price	Total Cost
Chair, straight, w/o arms	60	EA	\$.75	\$ 4,500
Costumer, wearing apparel, contemporary, 4 dbl hooks, round pole w/rd base	12	EA	.35	420
Rack, wearing apparel contemporary, 6 metal hangers, 78"Hx30"Lx20"D. at base	6	EA	.85	510
Wastepaper Basket, dark brown, 14½"Hx13" dia top	24	EA	.6	144
Draperies	10	PR	.85	850
Draperies, blackout	4	PR	.95	380
Desk Lamp	24	EA	.45	1,080
Adding Machine, Monroe Model 1405	6	EA	290	1,740
Bulletin Board, cork, alum frame, 4'x6'	8	EA	.65	520
Table, gen. purpose, 60"x30"x29½"H	8	EA	105	840
Student Chairs, Heywood Wakefield Model HC-7730-PABS-PP	48	EA	70	3,360
Portable Easel	2	EA	.85	170
Bench, work, electronic, 60 cycle & 400 cyc., 28V	18	EA	1,450	26,100
Rack, security, for mechanics' tool boxes, 24 openings	4	EA	2,000	8,000

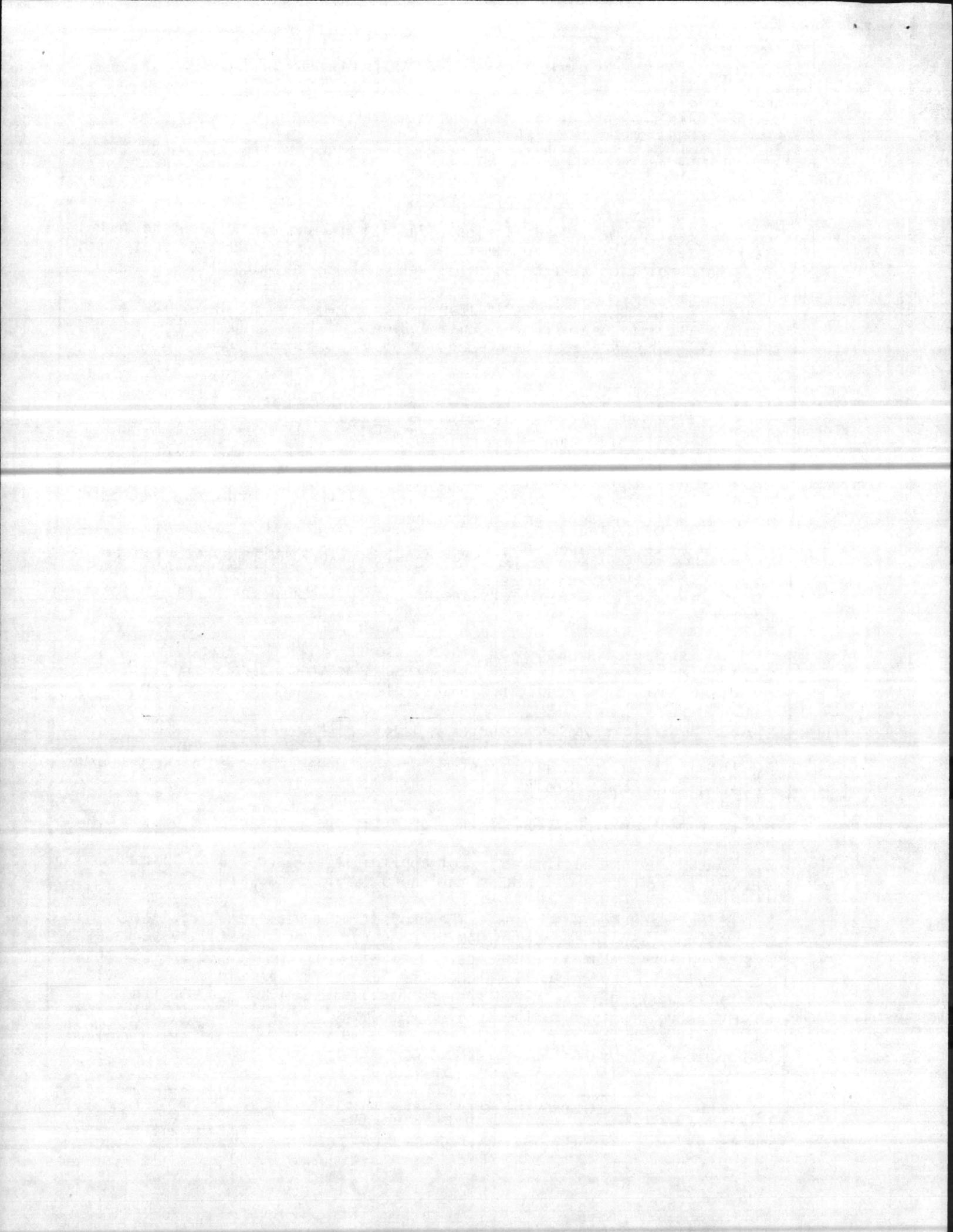


1. COMPONENT NAVY	FY 19 ⁸⁵ MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE ELEC/COMM MAINTENANCE SHOP		5. PROJECT NUMBER P-644

	Qty	Unit of Issue	Unit Price	Total Cost
(b) Expense Items (continued...)				
TOTAL EXPENSE ITEMS				\$ 94,425
Shipping, Packing, Handling Installation Charges & Contingencies - 10%				9,443
(c) <u>Investment Items</u> : None				
(d) <u>APA Equipment</u> - None				
(e) <u>Training Equipment</u>				
Movie Projector	2	EA	\$650	\$1,300
Movie Screen	2	EA	235	470
Overhead Projector	2	EA	375	750
TOTAL TRAINING ITEMS				\$2,520
Shipping, Packing, Handling, Installation Charges & Contingencies - 10%				252
(f) <u>Equipment on Hand</u> - None				
(g) <u>Summary</u>				
Expense Cost (O&MMC)				\$104,120
Training Cost (O&MMC)				2,520
TOTAL				\$106,640



1. COMPONENT NAVY	FY 19⁸⁵ MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE ELEC/COMM MAINTENANCE SHOP	5. PROJECT NUMBER P-644	
<p>(4) <u>Supporting Facilities</u>. Special piling, foundation, solar hot water system, collateral equipment, site improvement, pollution abatement, etc. No demolition will be accomplished on this project.</p> <p>4. <u>Cost Estimate</u>. Area cost factor for Camp Lejeune, N. C. is 0.95. Cost data derived from the Military Construction Cost Review Guide, FY-82 (DOD 4270.1-CG), and escalated to FY-82 to provide for this proposed facility.</p> <p>5. <u>Justification for Project and for Scope of Project</u>.</p> <p>a. <u>Justification for Project</u>.</p> <p>(1) <u>Project</u>. Proposed facilities are required to provide an Infantry Bn/Regiment adequate and secure facilities to perform electronic and communications equipment maintenance.</p> <p>(2) <u>Current Situation</u>. Personnel are working in substandard and makeshift facilities, temporary WW-II Butler type metal buildings with open bays and oil space heaters and no heads, located in the Hadnot Point area.</p> <p>(3) <u>Impact if Not Provided</u>. Personnel will continue to work in substandard and makeshift facilities resulting in time consuming and inefficient operations resulting in loss of work time and wasted energy.</p> <p>b. <u>Justification for Scope of Project</u>. The project scope, 29,775 SF, is the minimum size facility that can meet the deficiency requirement for the electronic/communications maintenance needs of the Infantry Reg/Bn, 2d Marine Division. See Item 13.</p> <p>6. <u>Equipment Provided from Other Appropriations</u>. Not applicable.</p> <p>7. <u>Common Support Facilities</u>. Not applicable. There are no common support facilities available in the Hadnot Point area.</p> <p>8. <u>Effect on Other Resources</u>. The project will require approximately \$10,340 per year in increased O&MMC funds for increased utility services and operations. No additional personnel will be required to operate this facility. The project will enhance and improve the morale of personnel presently working in widely dispersed facilities. Proposed construction should be responsive to the challenges presented by the energy situation and comply with the requirements of Executive Order 12003 of 20 July 1977 and implemented by NAVFACINST 4100.5A.</p>		



1. COMPONENT NAVY	FY 1985 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE ELEC/COMM MAINTENANCE SHOP		5. PROJECT NUMBER P-644

Utility Requirements

a. Electricity	Consumption	102,000	KWHR/yr
	Peak Demand	63	KW
	Avg Demand	58	KW
b. Steam	Consumption	4,575,226	lbs/yr
	Demand	1,638	lbs/hr
c. Coal		178.7	tons/yr
d. Adequate utility requirements are available.			

9. Siting of the Project: This facility will be located in the 400 Area of Hadnot Point, in compliance with the Camp Lejeune Master Plan. See encl 1).

10. Other Graphic Presentations, including Photographs. None.

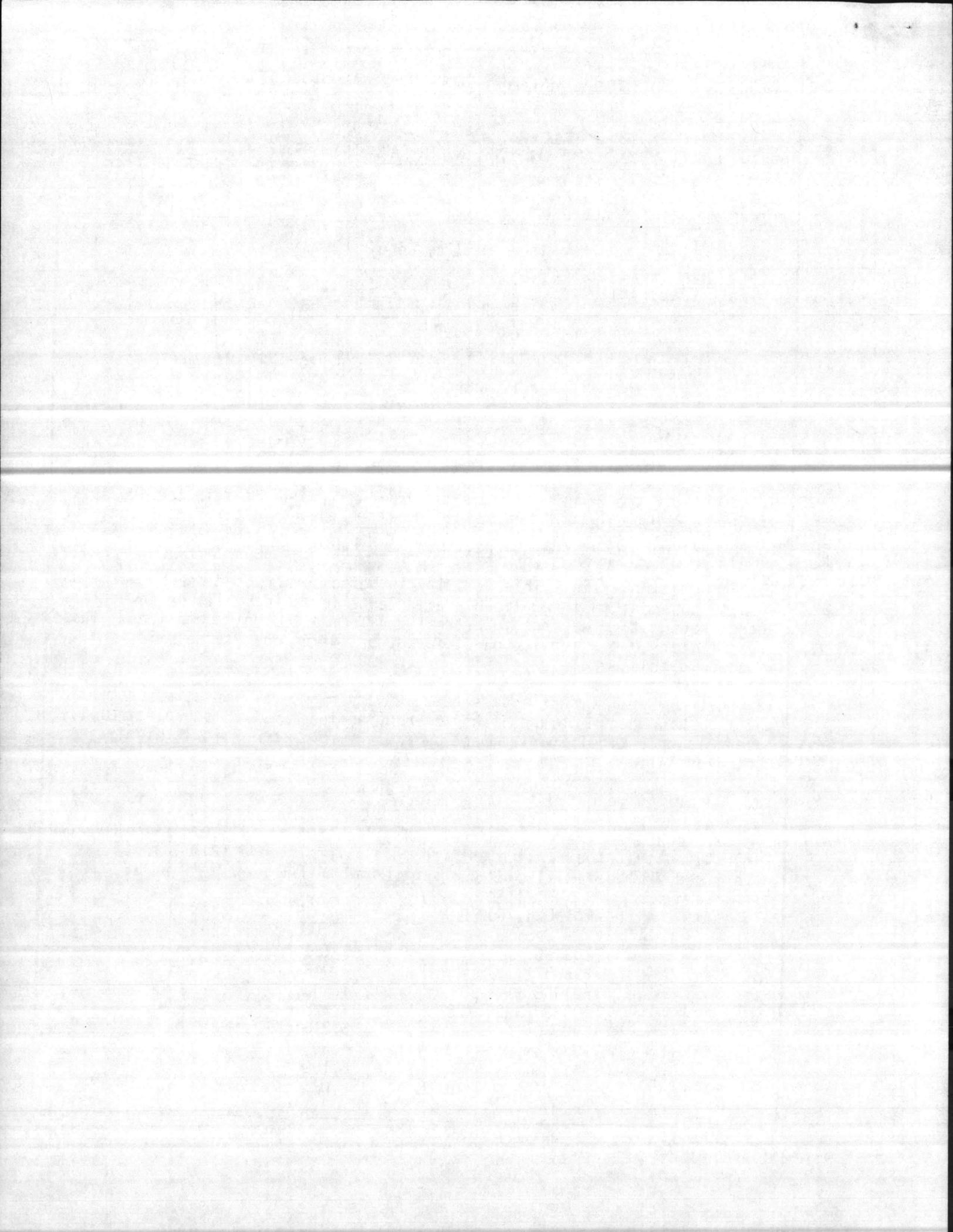
11. Economic Analysis. This facility is being constructed on an undeveloped site adjacent to a developed area. Economic savings will be in nominal energy consumption savings to be realized from efficient operations. This is a military operational project in support of an operational mission located in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

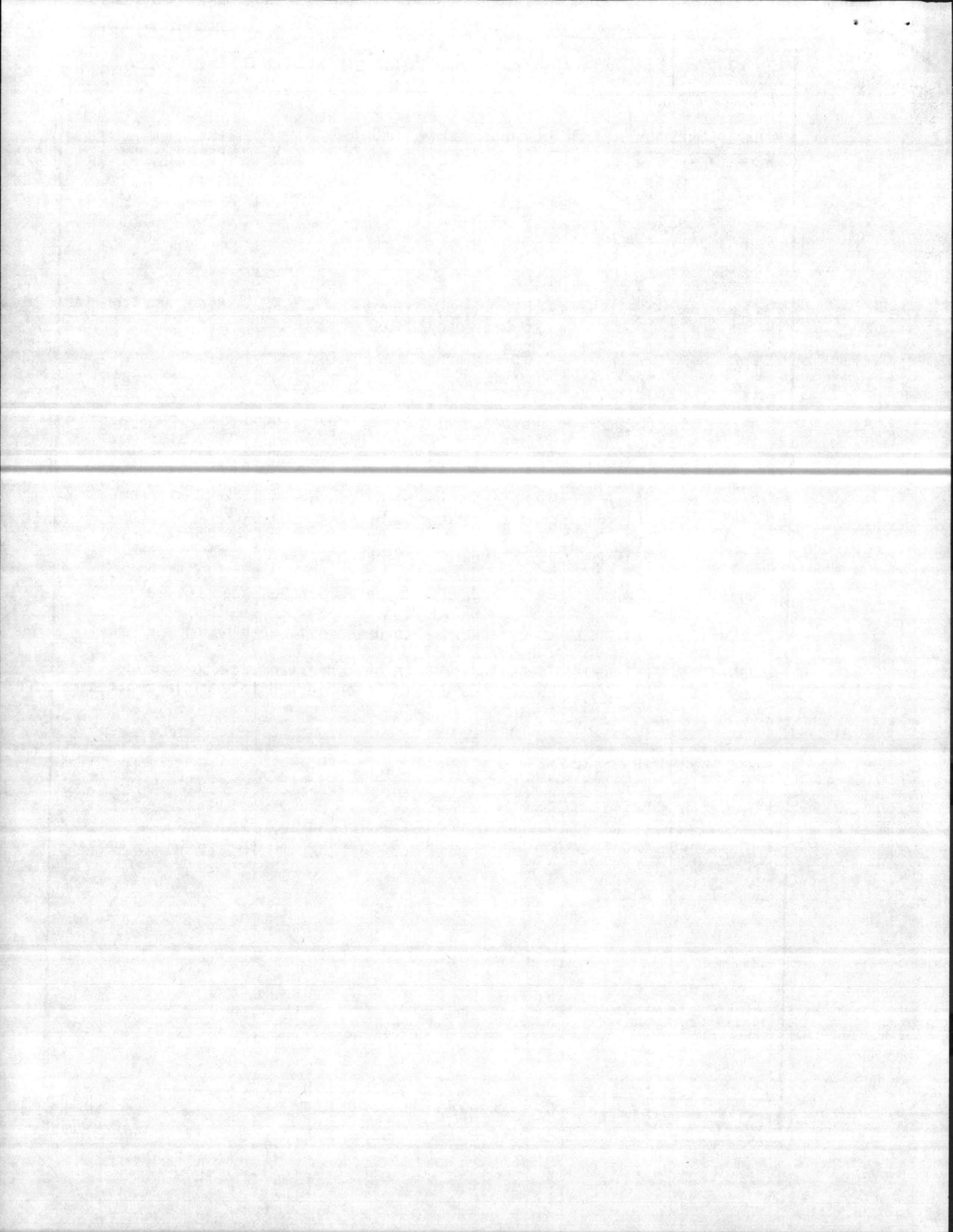
13. Quantitative Data.

a. BFRL Requirement. Hadnot Point Area (DA) is 175,074 SF. NAVFAC P-80 states that the requirement for this category code (217-10) is determined from definitive drawings given in NAVFAC P-272. Part IV.

<u>NAVFAC Dwg. No.</u>	<u>Area SF</u>
1293355	36,280
1293357	8,048
1293358	24,500
1293359(3x29,775)	89,325
1293360	6,316
1293366M	4,505
1293361	6,100
TOTAL	175,074



1. COMPONENT NAVY	FY 19 ⁸⁵ MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1980
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4. PROJECT TITLE ELEC/COMM MAINTENANCE SHOP	5. PROJECT NUMBER P-644	
b. Existing Facilities.		
<u>Bldg. No.</u>	<u>Area</u>	<u>Remarks</u>
S-23	(2,156)	Substandard, to be retained & building redesignated to Cat Code 833-09
24*	2,349+	Adequate
116*	(1,089)	Substandard - to be converted back to storage.
134	(3,729)	Substandard - to be converted back to storage.
234*	(1,947)	Substandard - to be converted back to storage.
307*	(22,786)	Substandard - to be converted back to storage.
329	(3,729)	Substandard - to be converted back to storage.
414	(3,663)	Substandard - to be converted back to storage.
439	(3,240)	Substandard - to be converted back to storage.
442*	(1,705)	Substandard - to be converted back to storage.
444*	(2,160)	Substandard - to be converted back to storage.
505*	(2,145)	Substandard - to be converted back to storage.
532	(3,729)	Substandard - to be converted back to storage.
534*	(270)	Substandard - to be converted back to storage.
599*	(2,000)	Substandard - to be demolished upon completion of P-508 & P-572.
816*	(4,800)	Substandard - to be demolished upon completion of P-507 & P-175.
905*	(11,960)	Substandard - to be converted back to storage.
1309	(4,396)	Substandard - to be converted to vehicle maintenance.
	(75,504)	SUBSTANDARD
SUBTOTAL	2,349+	ADEQUATE
* Multi-use building		
+ Misnomer - facility has been changed to administrative space.		



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3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542																																			
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<p>c. <u>Planned Facilities.</u></p> <table border="0"> <thead> <tr> <th data-bbox="284 472 462 514"><u>Project No.</u></th> <th data-bbox="576 472 706 514"><u>Area SF</u></th> <th data-bbox="917 430 1453 504"><u>Marine Corps Base and 2D Marine Division Organizations</u></th> </tr> </thead> <tbody> <tr> <td>P-643</td> <td>29,775</td> <td>Marine Infantry Regiment (2DMARDIV)</td> </tr> <tr> <td>P-527</td> <td>29,775</td> <td>Marine Infantry Regiment (2DMARDIV)</td> </tr> <tr> <td>P-644</td> <td>29,775</td> <td>Marine Infantry Regiment (2DMARDIV)</td> </tr> <tr> <td>P-229</td> <td>36,280</td> <td>10th Marines (2DMARDIV)</td> </tr> <tr> <td>P-175</td> <td>24,500</td> <td>Headquarters Battalion (2DMARDIV)</td> </tr> <tr> <td>P-565</td> <td>4,505</td> <td>Elec/Comm Maintenance Shop (MCB)</td> </tr> <tr> <td>P-536</td> <td>6,100</td> <td>2d Tank Battalion (2DMARDIV)</td> </tr> <tr> <td>P-653</td> <td>8,048</td> <td>Engineer Battalion (2DMARDIV)</td> </tr> <tr> <td>P-569</td> <td>6,316</td> <td>Reconnaissance Battalion (2DMARDIV)</td> </tr> <tr> <td>SUBTOTAL</td> <td>175,074</td> <td></td> </tr> </tbody> </table> <p>d. Existing Adequate Facilities 0 Planned Facilities <u>175,074</u></p> <p>Total Planned & Existing 175,074</p> <p>BFRL TOTAL 175,074</p>			<u>Project No.</u>	<u>Area SF</u>	<u>Marine Corps Base and 2D Marine Division Organizations</u>	P-643	29,775	Marine Infantry Regiment (2DMARDIV)	P-527	29,775	Marine Infantry Regiment (2DMARDIV)	P-644	29,775	Marine Infantry Regiment (2DMARDIV)	P-229	36,280	10th Marines (2DMARDIV)	P-175	24,500	Headquarters Battalion (2DMARDIV)	P-565	4,505	Elec/Comm Maintenance Shop (MCB)	P-536	6,100	2d Tank Battalion (2DMARDIV)	P-653	8,048	Engineer Battalion (2DMARDIV)	P-569	6,316	Reconnaissance Battalion (2DMARDIV)	SUBTOTAL	175,074	
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