1. COMPONENT FY 19 87 MILITARY CONSTRUCTION PROJECT DATA NAVY

2REVISED 1 Mar 85

4. PROJECT TITLE

3. INSTALLATION AND LOCATION MARINE CORPS BASE

CAMP LEJEUNE, NORTH CAROLINA 28542

MECHANICS TRAINING BUILDING

(INCREMENT 2) 8. PROJECT COST (\$000)

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

> P-809 171-20

6.700

ESCALATED TO APRIL 1987

ITEM	U/M	QUANTITY	UNIT	(\$000)
MECHANICS SCHOOL	SF	47,695	105.20	5,018
BUILDING	SF	47,695	91.50	(4,364)
BUILT-IN EQUIPMENT	LS	-	-	(654)
SUPPORTING FACILITIES	LS	Filtre to the designation		752
PAVEMENTS, RIGID AND FLEXIBLE SECURITY LIGHTING, FENCING, UTILITIES &	LS	_	-	(320)
SITE IMPROVEMENT	LS	T. 1845		(432)
SUBTOTAL	LS	-	-	5,769
CONTINGENCY - 10%	LS	-	-	576
TOTAL CONTRACT COST	LS	-	-	6,345
SUPERVISION, INSPECTION & OVERHEAD - 5.5%	LS	- T	_	349
TOTAL REQUEST (ROUNDED)	-	-		6,700
INSTALLEQ EQUIPMENT- OTHER APPROPRIATIONS	-		(non-add)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a permanent masonry building to accommodate applied instruction for the motor transport school, which encompasses automotive intermediate maintenance courses in gasoline and diesel engines, fuel and electrical, power transmission, and other vehicle related courses. The building will consist of a wall bearing masonry structure, reinforced concrete floor, interior masonry partitions, steel joists, metal roof decking, roof insulation and built-up roofing, and special wall treatment to suppress sound transmission; heating, ventilation, and air conditioning; telephone system including equipment, exterior utilities; paving, roads, walks and site improvements.

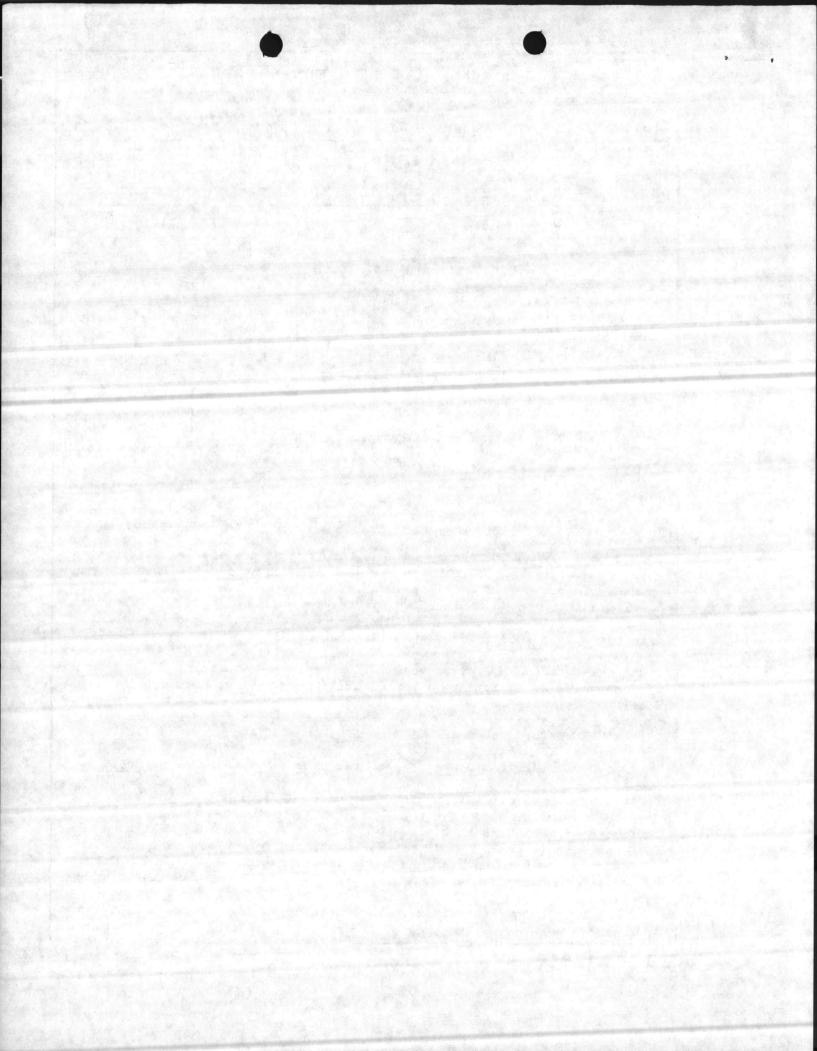
11. REQUIREMENTS: Cat Code: 171-20 109,200 SF Adequate: 10,732 SF

Substandard: 154,658 SF

Substandard: 98,208 SF Adequate: 0 SF Cat Code: 171-10 217,304

PROJECT: This project will provide the the 2nd increment of the Marine Corps Mechanics School. The total complex is 99,079 SF, the first increment 26,961 SF is in the FY-86 program. This 2nd increment is 47,695 SF. The last increment 24,424 SF is programmed for FY-88. The facility is designed for both Applied and Academic Instruction. All Marine Corps Mechanics and Motor Transport Administrators, will be trained in this school.

Adequate facilities for training military personnel in 2nd, REQUIREMENT: This increment 3rd and 4th echelon maintenance of Marine Corps equipment.



NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

1 Mar 85

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

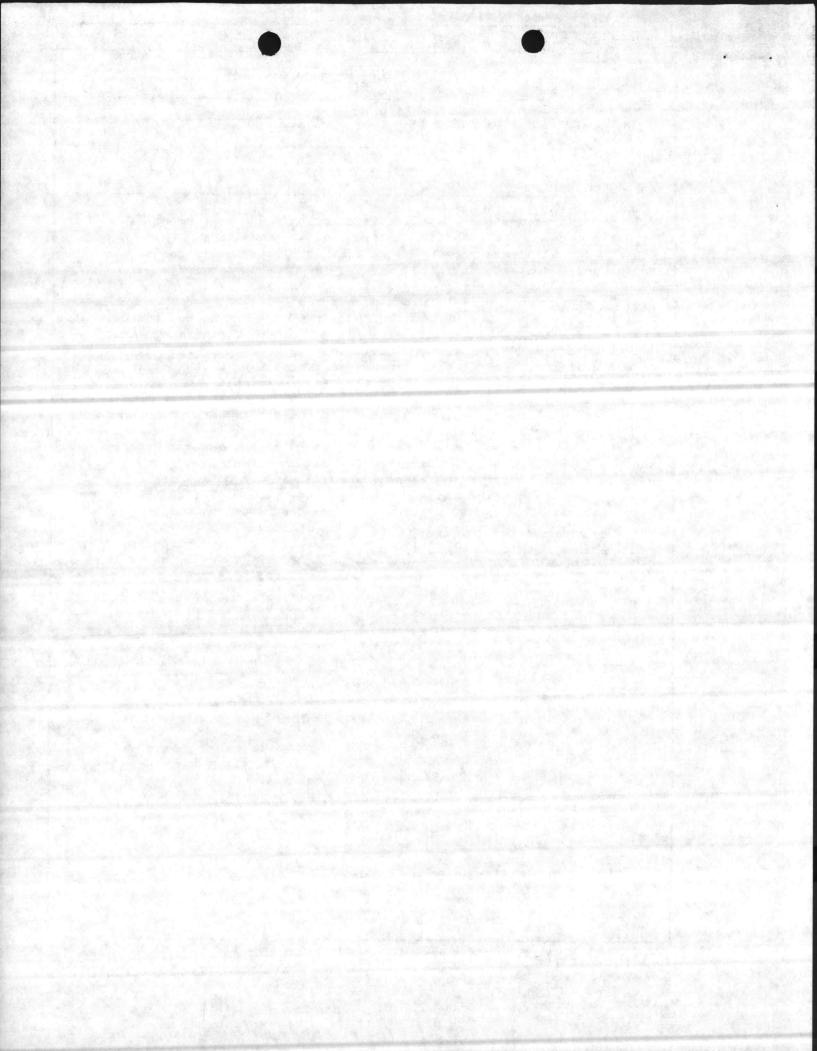
4. PROJECT TITLE

MECHANICS TRAINING BUILDING (INCREMENT 2)

5. PROJECT NUMBER

P-809

will provide academic and applied instruction space for combat vehicle transmissions, power transfer units, power train units and space for organizational maintenance training for battalion level mechanics in the combat and combat support field units. The present facilities are used to capacity, and it is anticipated that the workload will increase as the new field logistic system is introduced into the Marine Corps. CURRENT SITUATION: The Mechanics School has a full-time Instructor Staff of 58 people both military and civilian. Over 400 operational vehicles of all types are used in the school to dismantle and reassemble and for driver training. The Vehicle component department utilizes static equipment for assembly and disassembly, and includes 45 engines, 57 transmissions, 41 transfer units, 52 axle and numerous other smaller items, such as generators, carburetors, distributors, etc. The annual student load is 1,845 marines. The Mechanics School is now being operated in a varied assortment of substandard WWII buildings scattered throughout the Montford Point Area. Some are old abandoned barracks, messhalls, warehouses and temporary metal buildings. They are deficient in layout space, adequate heating and air conditioning, plumbing, lighting, hydraulic lifts, compressed air and grease distribution, oil collection systems, parking, classrooms, instructors offices and library study space. IMPACT IF NOT PROVIDED: Continued training of Marine Corps personnel in highly crowded, inefficient and inadequate facilities will impair the effectiveness and readiness of U. S. Marine Corps personnel.



NAVY

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE 5. PROJECT NUMBER

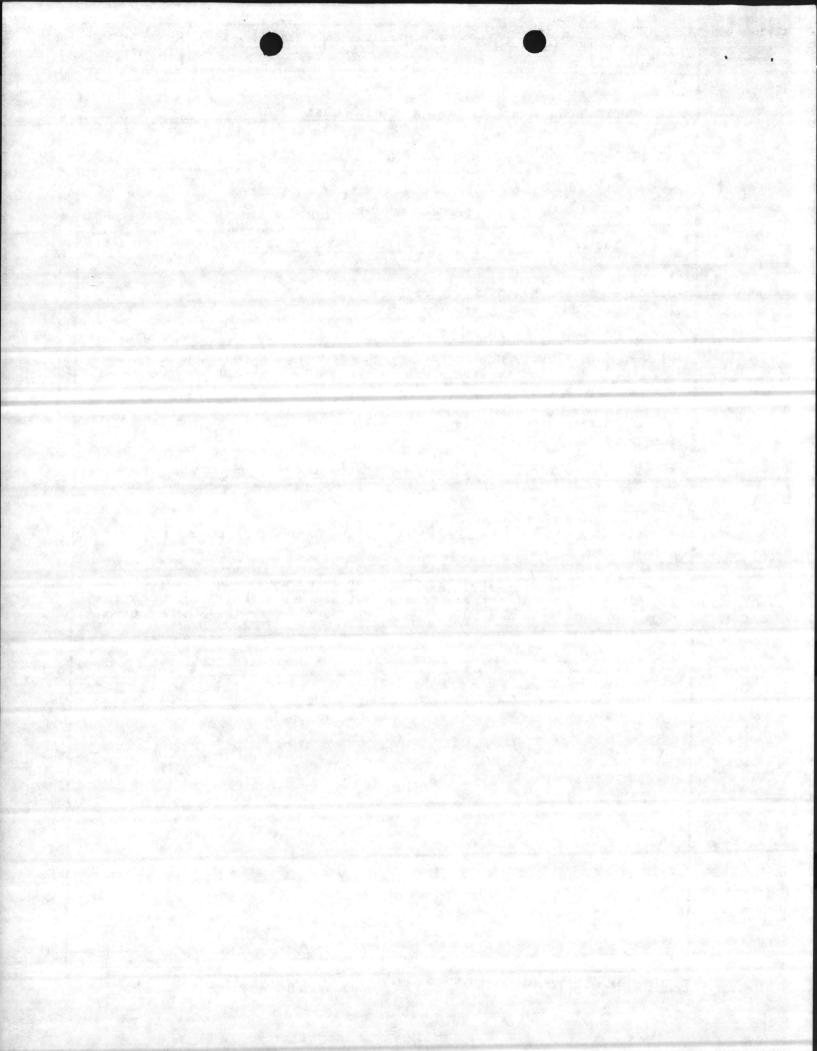
MECHANICS TRAINING BULLDING (INCREMENT 2)

P-809

SPECIAL CONSIDERATIONS

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

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED



. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	1 Mar 85
I INSTALLATION	ND LOCATION	
MARINE CORPS	BASE, CAMP LEJEUNE, NORTH CAROLINA 28542	
. PROJECT TITLE	5. PROJ	ECT NUMBER

FACILITY STUDY

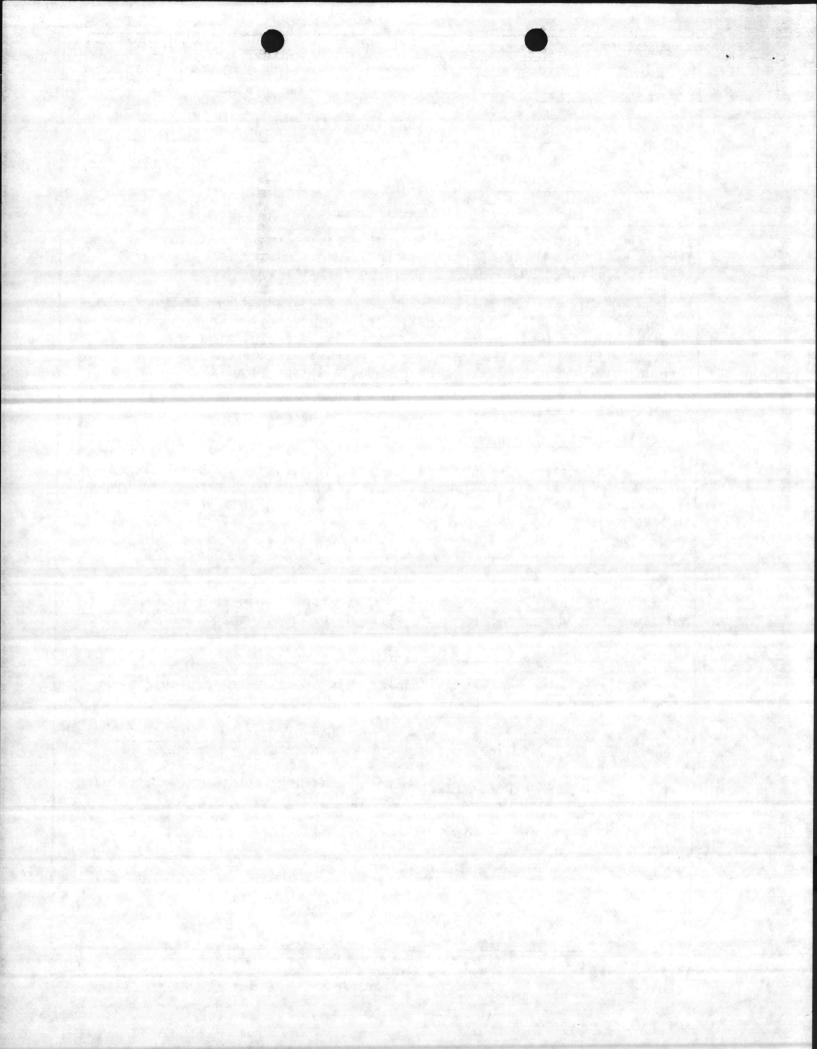
- 1. Project. Provide 47,695 SF of applied/academic school area for Motor Transport School, Marine Corps Service Support School, as Increment 2 of a total planned 99,079 SF of training facilities.
- 2. Current and Planned Future Workload with Regard to this Project. The percentage of usage for this facility is 100 percent of the time, and the duration of need is indefinite. 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.
- 3. Description of Proposed Construction.

MECHANICS TRAINING BUILDING (INCREMENT 2)

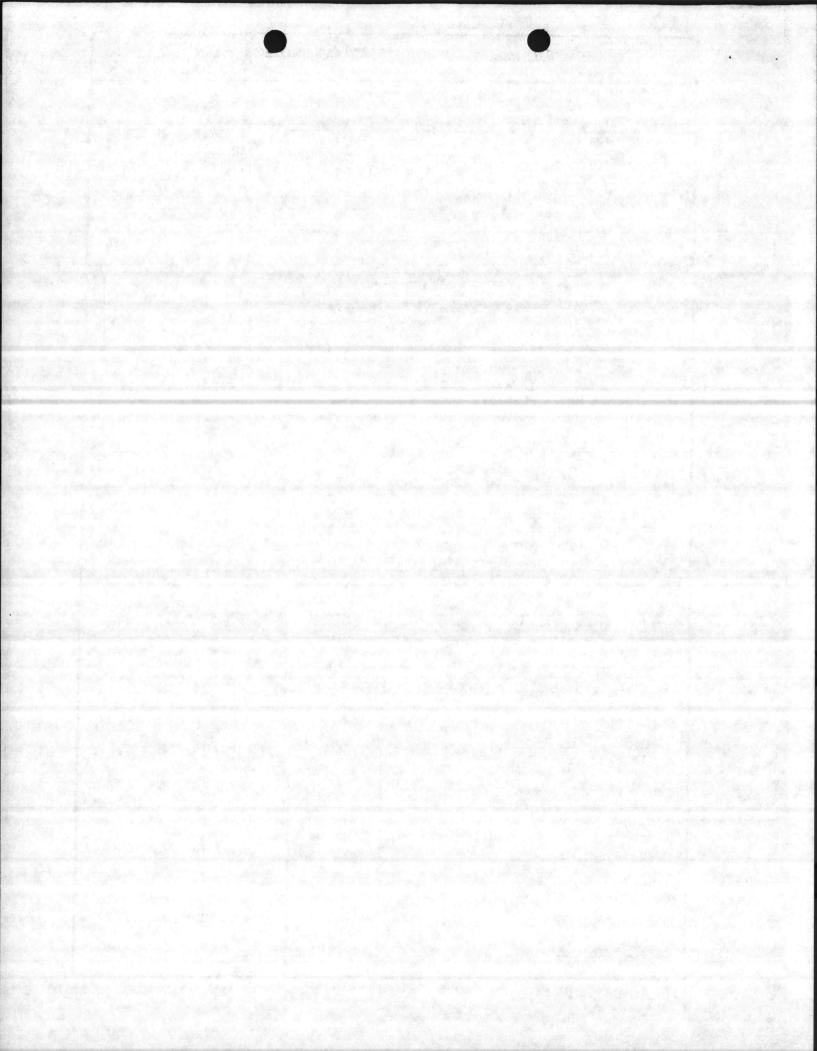
- a. Type of Construction.
- (1) Construct a permanent instruction facility of steel frame and masonry construction with concrete footings and reinforced concrete foundation, floors, and roof; masonry walls, built-up roof, insulation, interior and exterior utility systems.
- (2) Pollution controls, walks and parking pavements, security fencing and lighting, and site improvements.
- 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 concrete footings.
- (a) Support Facilities. Flexible pavements, sidewalks, security fencing and lighting, utilities, and site improvement.
- (2) Energy Conservation. Energy-efficient equipment and building orientation for maximum energy conservation will be utilized.
 - (3) Collateral Equipment.

(continued on the next page)

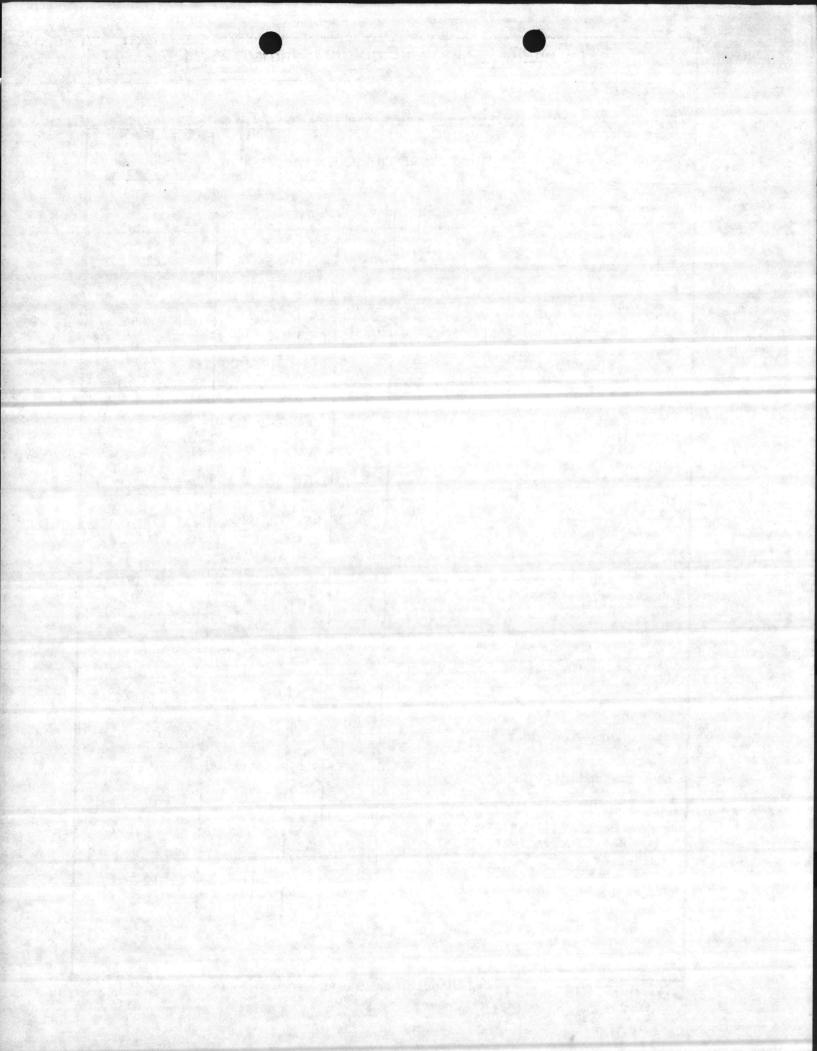
P-809



MARINE CORPS BASE,		TH CAROLI	NA 28	3542	DJECT NUMBER
MECHANICS TRAINING	BUILDING				P-809
(3) COLLATERA	L EQUIPMENT:				in the second second
BUILT-II	N EQUIPMENT TO BE	MCON FUN	DED:		
*Air Cor	mounts for ITV miditioning, Heatin			EA SYS	
*Plumbir	ng System & Steam	System		SYS	
(interi		w		SYS	
*Sprink! *Fire Al	ler System Larm, Telephone am stems	nd Inter-		SYS	
	ng water coolers			EA	
*Instruc	ctor Platforms for	r all		EA	
lecture	e type classrooms	(raised)			
	Address System, 1	wireless		SYS	
microph *Externa supply labora	al storage of, and system for fuel	d central in engine		EA	•
*Vaneti	an Blinds and win	dow scree	ns	EA	
	inks/lavatories f			EA	
labora	tory spaces				
	t gas removal sys	tem for a	11	SYS	
	laboratories			646	
	rrangement of sea	ting in		SYS	
classr	ooms r, ITV (ceiling m	ount od)		EA	
	o Wall carpeting	ounced)		SF .	
Hall C	o wall carpeting				
*Equipment with a	ssociated install	ation cos	st.	7	
EXPENSE	ITEMS:		N 14.74		
Chalkboard, porta	ble .	2	EA	82.00	164
File Cabinet, 5 d	wr	2	EA	129.02	258
Storage cabinet		20	EA	128.00	2,560
Desk, single ped		. 8	EA	262.00	2,096
Office Table, 36x	24	84	EA	75.00	6,300
Office Table 60x3	0	60	EA	116.37	6,982
Office Table 45"x	34"	6	EA	164.00	984

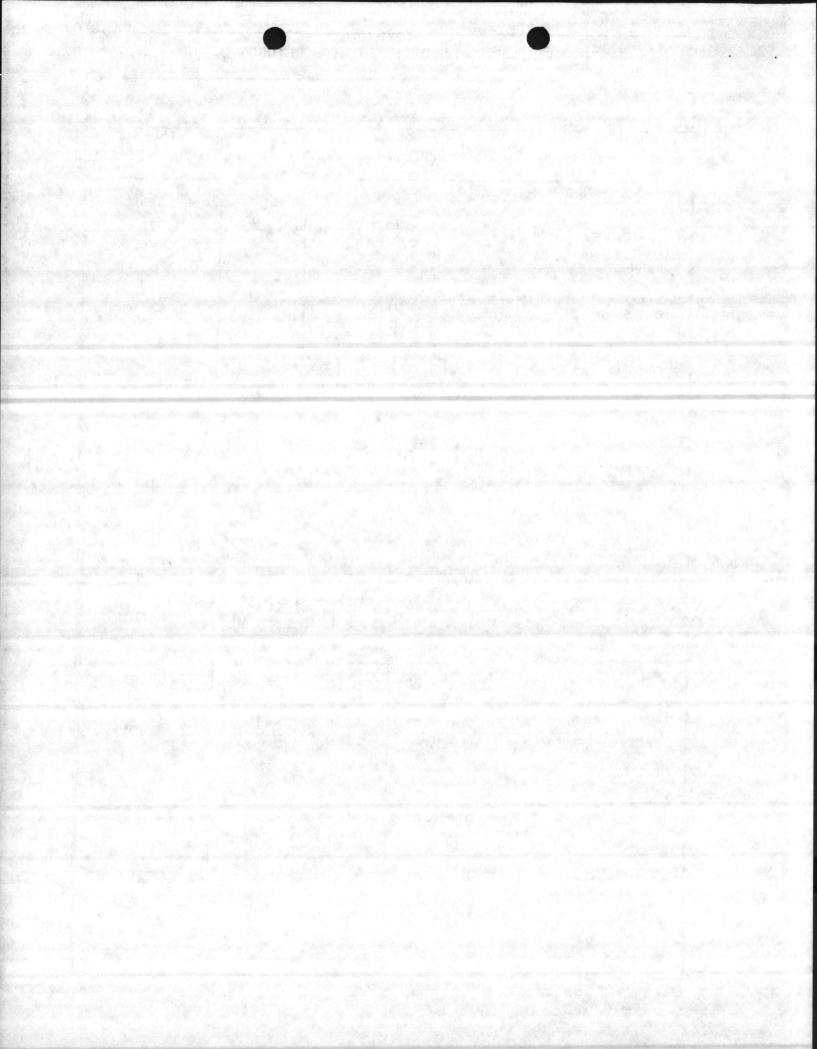


NAVY INSTALLATION AND LOCATION				
ARINE CORPS BASE, CAMP LEJEUNE, NORTH	CAROL	INA 28	542	ECT NUMBER
PROJECT TITLE MECHANICS TRAINING BUILDING (INCREME	NT (a)		3. FA03	P-809
	*: -1			
EXPENSE ITEMS: (continued)	· · · · · · · · · · · · · · · · · · ·			
Chair, straight, w/o arms	86	EA	27.50	2,365
Chair, rotary, w/arms	132	EA	51.00	6,732
Wastepaper basket	32	EA	7.20	230
Can, trash-garbage	* 22	EA	16.60	365
Pedestal Fan	12	EA	132.00	1,584
	112	EA	-26.51	2,969
Jack Stands, 5 ton	8	EA	915.00	7,320
Jack, floor 10 ton	14	EA	7.95	111
Bulletin board			9.40	150
Clock, wall electric	16	EA		
Parts Rota Bin 3' diam.	9	EA	508.71	4,578
Cabinet, storage	2	EA	168.48	- 337
Bookcase, section	6	EA	28.50	171
	2	EA	10.40	21
Bookcase, base Bookcase, top	2	EA	5.60	11
06.78	12	EA	279.00	3,348
Board, dry erase magnetic 96x48	6		97.50	585
Lecternette, w/AC adapter	No.	-		10.700
Podium and side table	12	EA	899.00	10,788
Work Bench, deluxe steel and wood top workbenches 12ga. steel top Model 4754T41, page 147	32	EA	268.33	8,587
Work bench, mobile Model #9087T12 page 152	88	EA	765.27	67,344



NAVY 19_87 MILITARY CONST	NOC1	1014 1	NOJECT DA	1 Mar 85
INSTALLATION AND LOCATION		Pol.		
MARINE CORPS BASE, CAMP LEJEUNE, NORTH	H CARO	LINA		
. PROJECT TITLE MECHANICS TRAINING BUILDING (INCREMEN	T 2)		5. FA	P-809
	- '	1000		
EXPENSE ITEMS: (continued)			+1	
Shelving, heavy duty, industrial steel, open, 5 shelves high, 24" D	10	EA	147.13	1,471
x 48"W			11.0	
Cabinet roller, 5 drawer tool chest Model 6580A32, page 1764	84	EA	314.42	26,411
Vacuum, commercial upright No. 7166T11 Pg 884	4	EA	352.94	1.412
Vacuum accessory kit #7166T12 pg 884	4	EA	53.43	214
Shelves, heavy duty, industrial steel open, 5 shelves high, 18"D 35"W, #4829T12, page 126	11	EA	104.16	1,146
Battery charger #7047K5, page 1284	2	EA	416.44	833
Charging stand #7239K1, pg 1284	2	EA	234.08	468
Charging lead set #7047K7, pg 1284	20	EA	12.17	243
Draperies	18	PR	95.00	1,710
Black out draperies	18	PR	95.00	1,710
Press, 30 ton 253-26-Y330 CA	9	EA	1,460.75	13,147
Parts, cleaner	10	EA	393.00	3,930
Extinguisher, fire 2½ gal, air expelled water, Class A.	5	EA	27.89	139
Extinguisher, fire dry chemical 20 lb capacity, Ansul Brand	13	EA	59.00	767
SAFCO E-Z STOR F4-8222 BK	6	EA	69.96	210
pg 153, 21 compartments		100		190,751

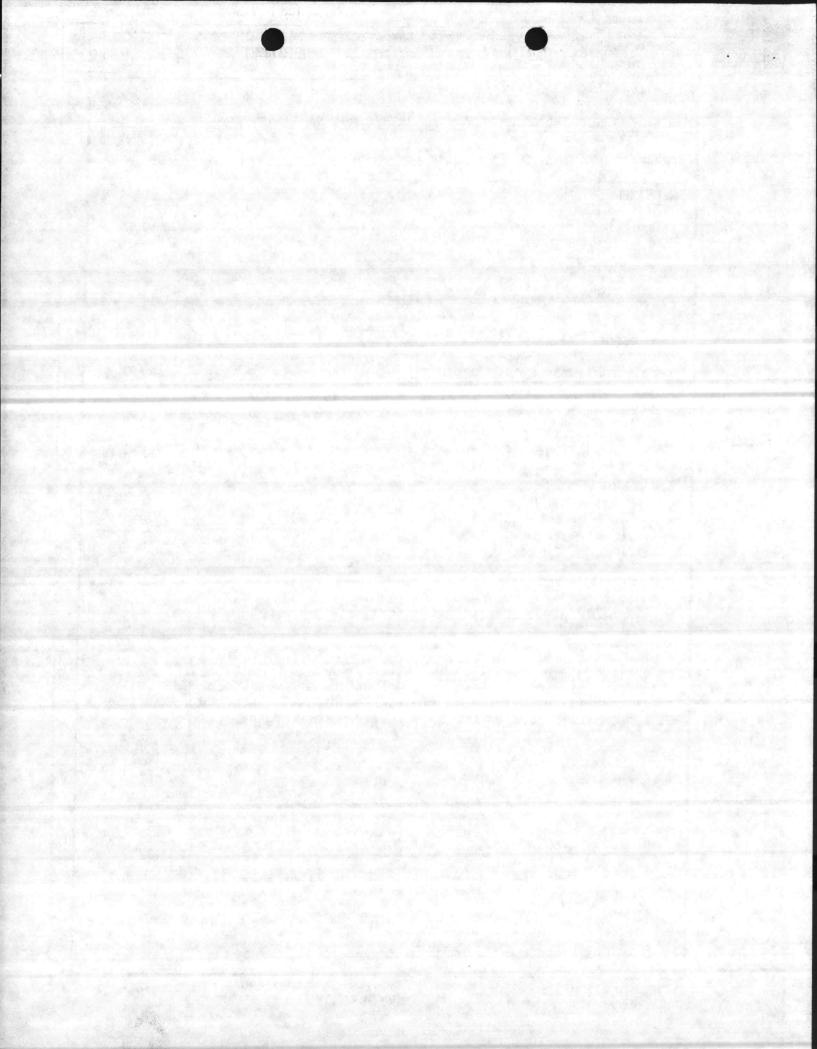
TOTAL EXPENSE:



NAVY 3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NOR	TH CAROLI	NA	285	42	
MECHANICS TRAINING BUILDING (INCREME			203	5. PROJ	P-809
INVESTMENT ITEMS:			: h		
Simplified test equipment for inte combustion engines	ernal l	6	EA	3,695.00	59,120
5. TRAINING EQUIPMENT (to be local)	ly funded)			
Projection screen Projector, 35mm slide Projector, overhead Projector, 16mm motion picture		6		65.00 143.50 366.00 396.00	
Player, Videocassette VP-5000 Projector stand	36 276		EA EA		5,976 872
Total Training Equipment					12,671
6. SUMMARY:					
Total Expense Items Total Investment Items Total Training Equipment		5	0,75 9,12 2,67	20	
Accelerated to FY-87		22	7,27	'9	
Repeticial Occupancy Date: A	oril 1988	3			

Beneficial Occupancy Date: April 1988

(4) <u>Supporting Facilities</u>. Special 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.



1. COMPONE	NT
MANA	*
NAVY	

MILITARY CONSTRUCTION PROJECT DATA

2. DATE

1 Mar 85

3 INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

A PROJECT TITLE

5. PROJECT NUMBER

MECHANICS TRAINING BUILDING (INCREMENT 2)

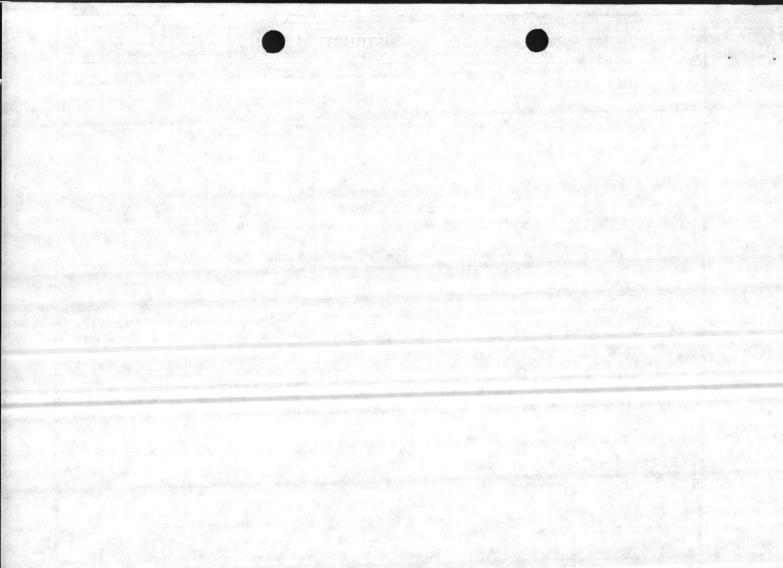
P-809

- 4. Cost Estimate. Area cost factor for Camp Lejeune, NC is 0.95. Cost data derived form the Military Construction Cost Review Guide, FY-84 (DOD 4270.1-CG) to provide for this facility, escalated to FY-87.
- 5. Justification for Project and for Scope of Project.
 - a. Justification for Project.
- (1) Project. Proposed facilities are required to provide the Motor Transport School with adequate facilities to perform academic and applied instruction.
- (2) Current Situation. Existing school facilities are inadequate WW-II masonry type buildings totally inadequate due to size, configuration, lighting, etc.
- (3) Impact if not Provided: Continued inefficient operation of school facilities that do not meet minimum requirements for applied and instruction facilities.
- b. Justification for Scope of Project. The project scope, 47,695 SF (Increment 2), 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. Equipment Provided from Other Appropriations: Not applicable.
- 7. Common Support Facilities. There are no common support facilities available in the MCSSS area.
- 8. Effect on Other Resources. The project will require approximately \$31,700 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.

UTILITY REQUIREMENTS

a. Electricity:

Consumption 121,881 KWH/yr KW Peak Demand 98 KW Avg. Demand 70



b. Steam:

Consumption 39,213,357 lbs/yr Demand 6,300 lbs/yr

c. Coal:

688 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. None.
- 11. Economic Analysis. This facility is being constructed on a 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. <u>Environmental Impact</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. Quantitative Data.
- a. <u>Automotive Intermediate Maintenance Course</u>, 9 ton truck tractor, 26 student stations.
 - (1) <u>Category Code 171-10</u>:

Classroom: $45 \times 26 = 1170 \text{ SF}$ Support Space: $30 \times 26 = 780 \text{ SF}$

NET SF: 1950 SF

Circulation and Service Areas: 234 SF

GROSS SF: 2184 SF

SE FA TOTAL SE

1 March 1985

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE MECHANICS TRAINING BUILDING (INCREMENT 2) 5. PROJECT NUMBER

P-809

2. DATE

(2) Category Code 171-20:

The Later					<u> </u>	101112	
Tages.	143		W.F.	Carried Control of the Control of th		的数据数据	
13	-	9	ton	Transmissions	50	650 SF	
13	-	9	ton	Transfers	50	650 SF	
13	-	9	ton	Axle Assemblies	60	780 SF	
13	-	9	ton	Steering Gear Assy	35	455 SF	

Material Handling Equipment 500 SF Maneuvering Space

3035 SF TOTAL SF:

 $3035 \times 1 = 3035 SF$ Laboratory: $375 \times 1 = 375 \text{ SF}$ Support Space:

NET SF: 3410 SF

Circulation & Service Areas: 409 SF (12%)GROSS SF: 3819 SF

b. Automotive Intermediate Maintenance Course, 16 ton truck tractor, 26 student stations.

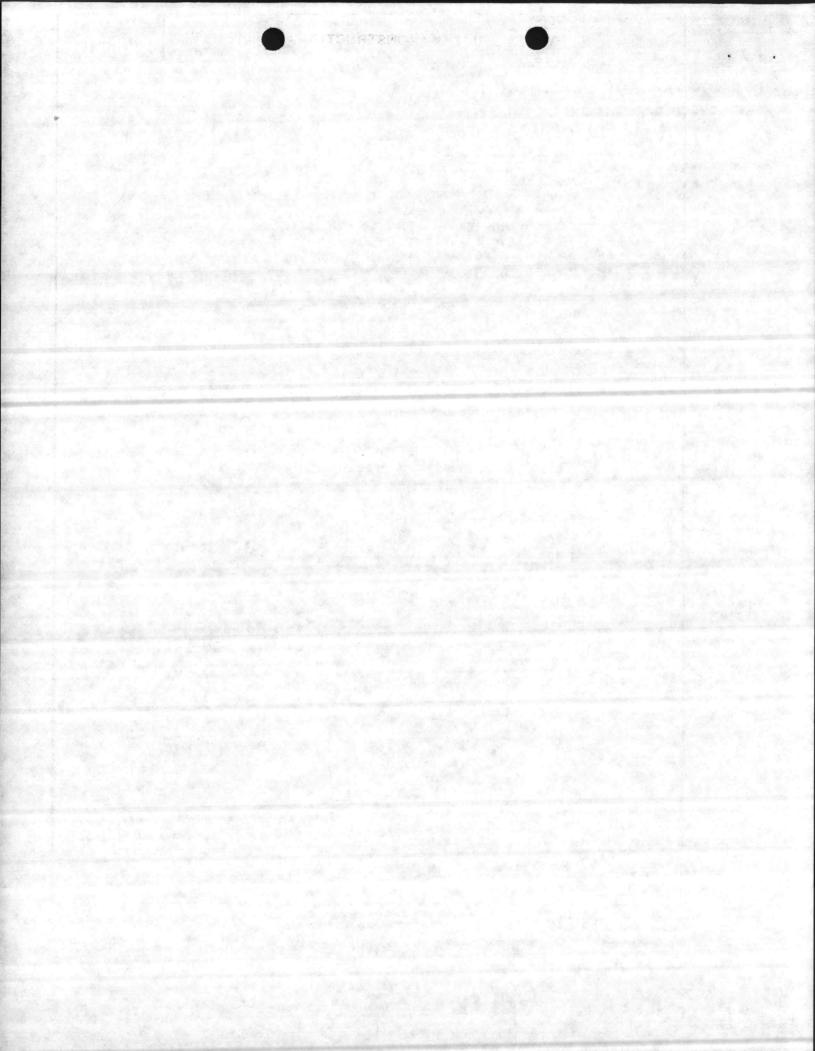
(1) Category Code 171-10:

45 x 26 = 1170 SF Classroom: $30 \times 26 = 780 \text{ SF}$ Support Space:

1950 SF NET SF:

Circulation & Service Areas: 234 SF

2184 SF GROSS SF:



2)	Category Code 171-20:	SF EA	TOTAL SF
	13 - 16 ton Transmissions 13 - 16 ton Transfers 13 - 16 ton Axle Assemblies 13 - 16 ton Steering Gear Assy	60 60 60 35	780 SF 780 SF 780 SF 455 SF
	Material Handling Equipment Maneuvering Space	#	<u>500</u> SF
	TOTAL SF:		3295 SF
	[2] 그는 그리, 그래, 하는 그리고 하다 없는 그를 다듬는데, 그들이 그리고 하는데, 이렇게 되었다면 하는데, 그렇게 되었다면 그리고 하는데, 그리고 하는데, 그리고 해내다.	3295 x 1 = 375 x 1 =	
	NET SF:		3670 SF
	Circulation & Service Areas: (12%)		_440 SF

c. <u>Automotive Intermediate Maintenance Course</u>, 9 ton truck tractor, 26 student stations.

(1) <u>Category Code 171-10</u>:

GROSS SF:

네 내는 사람이 아내를 살아보고 있다. 그녀는 이 아내는	
Classroom: Support Space:	45 x 26 = 1170 SF 30 x 26 = 780 SF
NET SF:	1950 SF
Circulation & Service Areas:	234 SF
GROSS SF:	2184 SF

4110 SF

Laboratory:	150	X	13	=	1950	SF
Support Space:	375	X	1	=	375	SF

Circulation & Service Areas: 279 SF

GROSS SF: 2604 SF

d. <u>Automotive Intermediate Maintenance Course</u>, 16 ton truck tractor, 26 student stations.

(1) Category Code 171-10:

NET SF:

Classroom: $45 \times 26 = 1170 \text{ SF}$ Support Space: $30 \times 26 = \underline{780} \text{ SF}$ NET SF: 1950 SFCirculation & Service Areas: $\underline{234} \text{ SF}$

GROSS SF: 2184 SF

(2) Category Code 171-20:

13 Operational diesel engines - 16 ton truck tractor

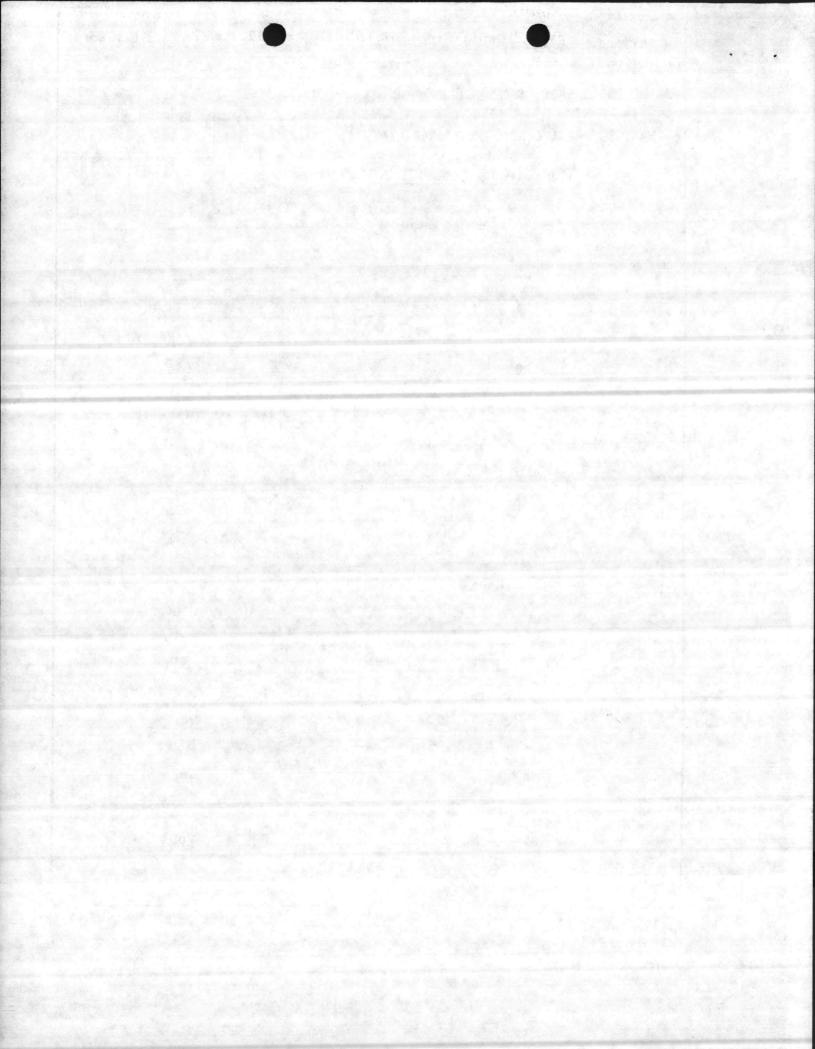
Laboratory: $150 \times 13 = 1950 \text{ SF}$ Support Space: $\cdot 375 \times 1 = 375 \text{ SF}$

NET SF: 2325 SF

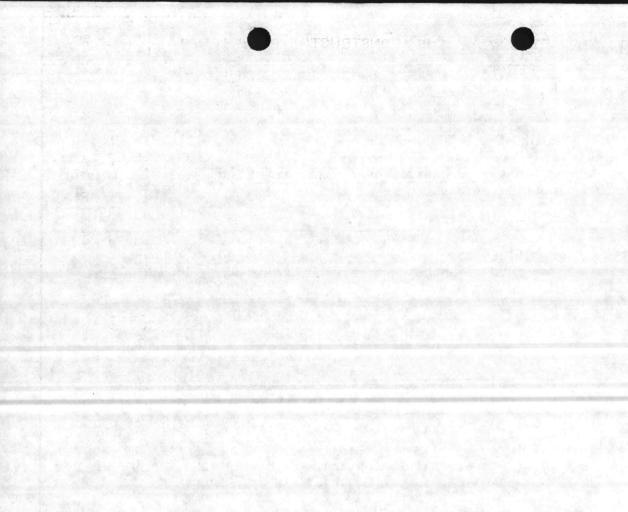
Circulation & Service Areas: 279 SF

GROSS SF: 2604 SF

2325 SF



COMPONENT	grant and the second se	The company of the Company of the Company	2. DATE
INAVI	87 MILITARY CONST	RUCTION P JECT DATA	1 Mar 85
. INSTALLATION AND L			
MARINE CORPS BAS	SE, CAMP LEJEUNE, NORTH	CAROLINA 28542	
, PROJECT TITLE		5. PRO	DJECT NUMBER
MECHANICS TRAIN	ING BUILDING (INCREMENT	2)	P-809
e. <u>Aut</u> module, 40 stude	tomotive Organizational ent stations.	Maintenance Course, 16	5 ton tractor
(1)	Category Code 171-10:		
	Classroom: Support Space:	20 x 40 = 800 2.25 x 800 = 1800	
	NET SF:	2600) SF
	Circulation & Service (12%)	Areas: 312	2_SF
	GROSS SF:	2912	2 SF
(2)	Category Code 171-20:		
	8 Operational 16 ton Appx floor space requ	trucks, tractor (heavy ired: 1056 SF each.	prime movers).
	Laboratory: Support Space:	1056 x 8 = 8448 480 x 1 = 480	
	NET SF:	8928	SF
4.4	Circulation & Service (12%)	Areas: <u>1071</u>	_SF
	GROSS SF:	9999	SF
f. truck tractor,	Automotive Organizations.	onal Maintenance Course	e, 9 ton
	(1) Category Code 171	-10:	
	Classroom: Support Space:	20 x 40 = 80 2.25 x 800 = 180	0 SF 0 SF
	NET SF:	260	0 SF
	Circulation & Ser	vice Areas (12%) <u>31</u>	2 SF
	GROSS SF:	291	2 SF ·



2 DATE

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE

5. PROJECT NUMBER

MECHANICS TRAINING BUILDING (INCREMENT 2)

P-809

(2) Category Code 171-20:

8 Operational 9 ton trucks, tractor (medium prime movers) Approx floor space required: 1056 SF each.

Laboratory:

 $1056 \times 8 = 8448 \text{ SF}$

Support Space:

480 x 1 = 480 SF

NET SF:

8928 SF

Circulation & Service Areas (12%)

1071 SF

GROSS SF:

9999 SF

q. SUMMARY:

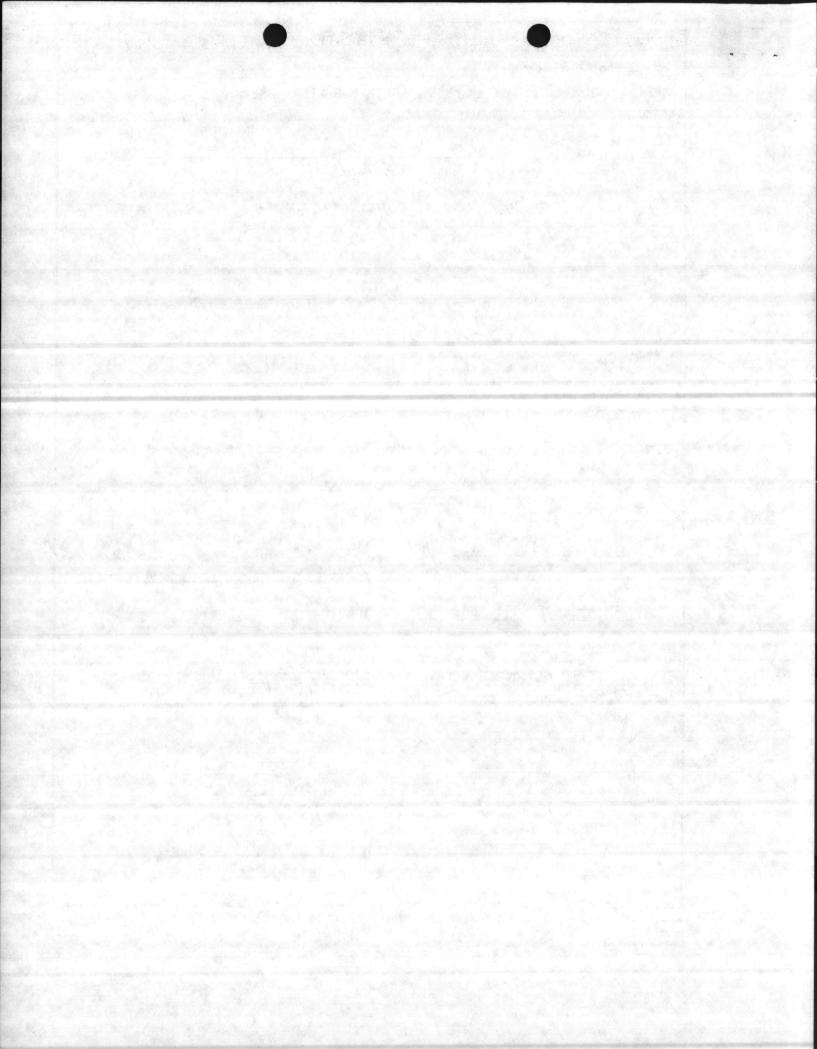
TOTAL ACADEMIC: 14,560 SF

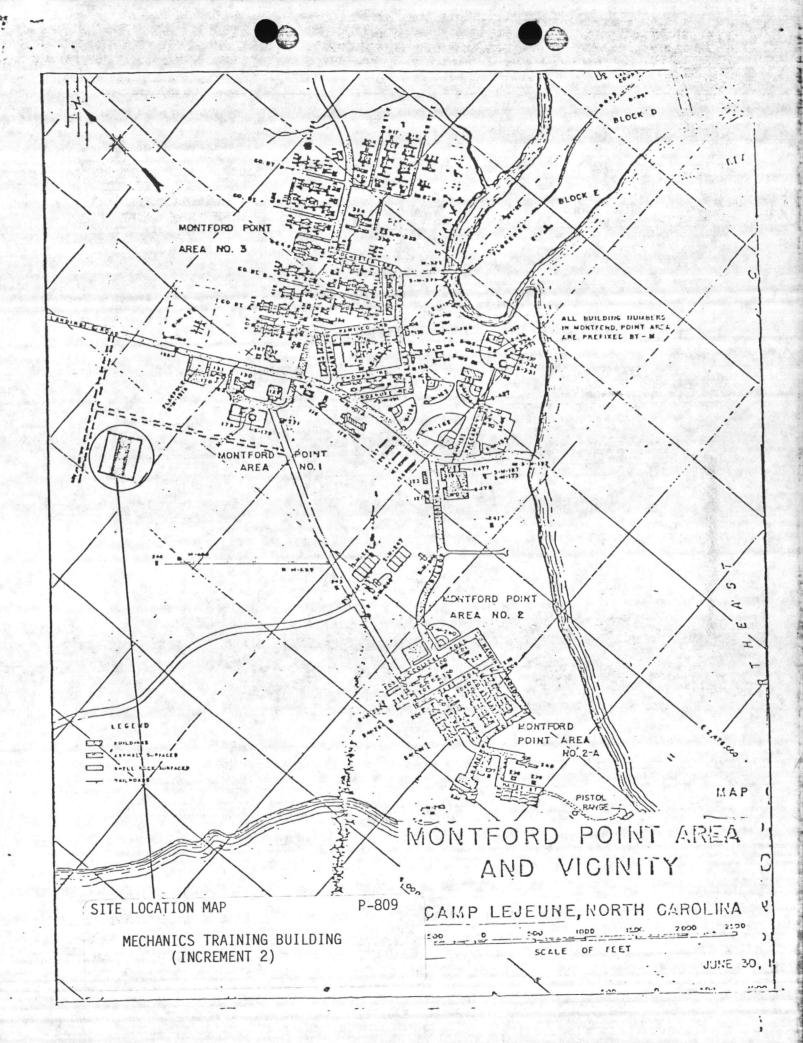
TOTAL APPLIED:

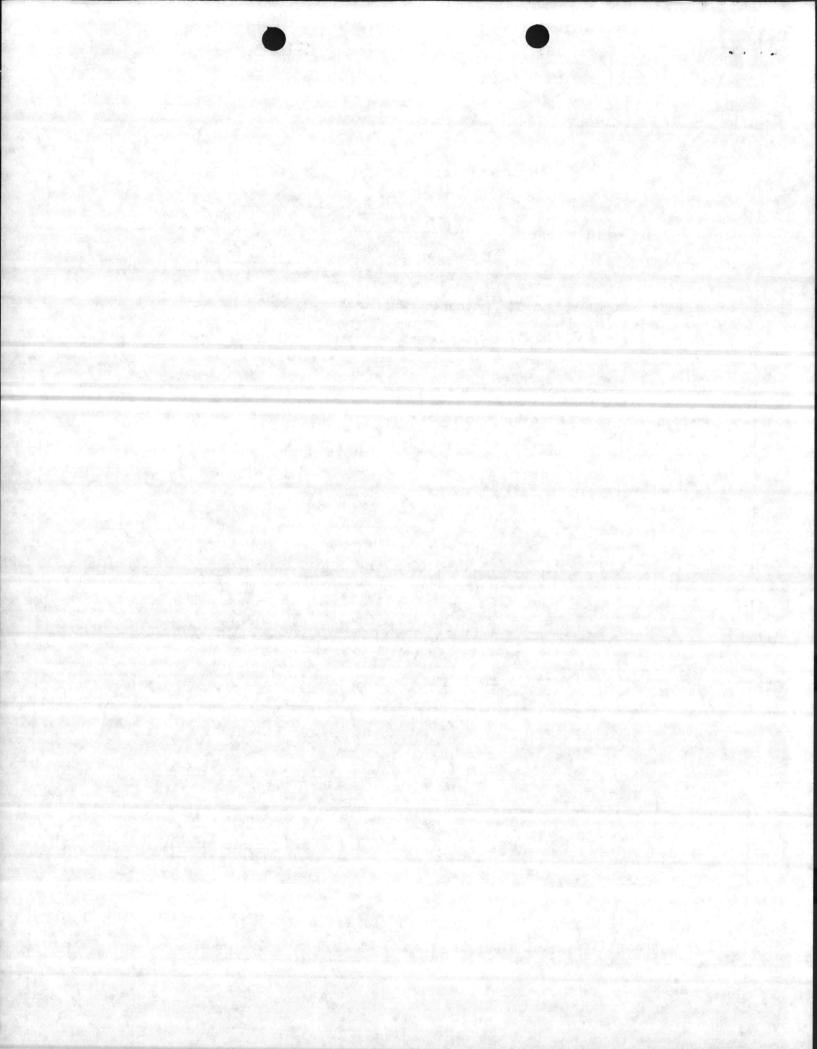
33,135 SF

47,695 SF

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







1. COMPONENT 2. DATE FY 1987 MILITARY CONSTRUCTION PROJECT DATA 15 Jun 84. 3. INSTALLATION AND LOCATION OF-35 MECHANICS SCHOOL, MCSSS MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA 28542 (INCREMENT 2) 8. PROJECT COST (\$000) 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 6.700 171-20 P - 809

ITEM	U/M	QUANTITY	COST	(\$000)
MECHANICS SCHOOL		47,695	105.20	5,018
BUILDING	SF	47,695	91.50	(4,364)
BUILT-IN EQUIPMENT	LS	_	-	(654)
SUPPORTING FACILITIES				752
PAVEMENTS, RIGID AND FLEXIBLE SECURITY LIGHTING, FENCING, UTILITIES, AND	LS	-	-	(320)
SITE IMPROVEMENT		the restoration of the		(432)
SUBTOTAL			-	5,769
CONTINGENCY - 10%		-	-	576
TOTAL CONTRACT COST			-	6,345
SUPERVISION, INSPECTION, & OVERHEAD - 5.5%			-	349
TOTAL REQUEST (ROUNDED)		-	-	6,700
INSTALLED EQUIP - OTHER APPROPRIATIONS	-	- 1	-	

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

PROJECT: Construct Increment 2 of applied/academic facilities for Motor Transport School, MCSSS.

REQUIREMENT: Adequate facilities are required for training of military personnel in 2nd, 3rd, and 4th echelon maintenance of Marine Corps equipment.

CURRENT SITUATION: Existing Motor Transport School facilities are located in inadequate Metal, WW-II masonry buildings designed for storage, messing and other purposes.

IMPACT IF NOT PROVIDED: Continued training of Marine Corps Personnel in in inadequate facilities which impairs the effectiveness of the training program.

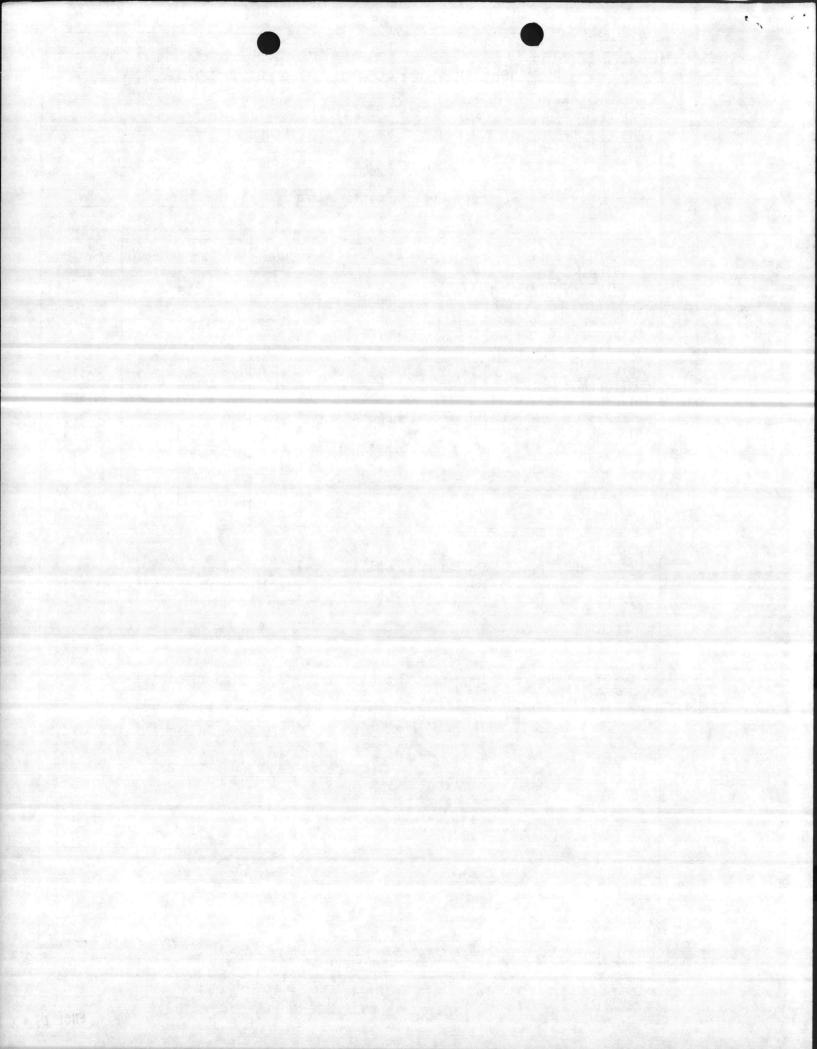
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) DEC 76 13 51

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

PAGE NO. 1 Of 2

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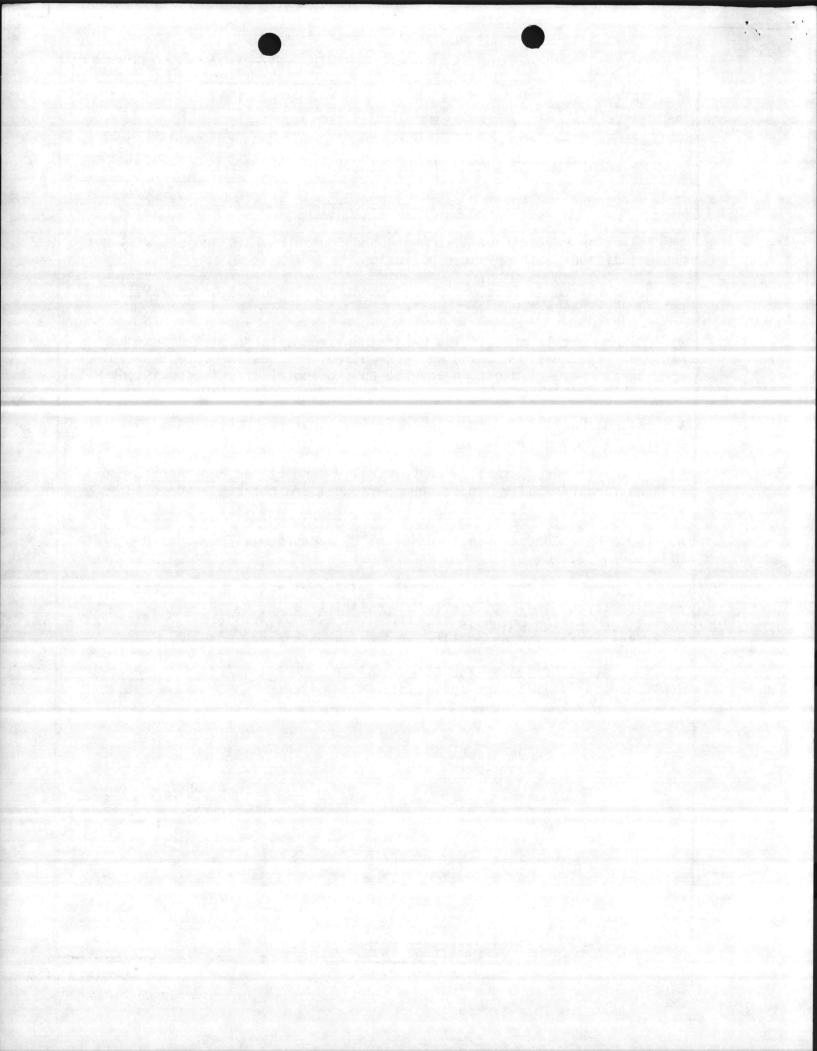
1. COMPONENT		2. DATE
NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	15 Jun 84
3. INSTALLATION	AND LOCATION	
MARINE CORPS	BASE, CAMP LEJEUNE, NORTH CAROLINA 28542	
A PROJECT TITLE	5. PRO.	ECT NUMBER

SPECIAL CONSIDERATIONS

OF-35 MECHANICS SCHOOL, MCSSS (INCREMENT 2)

- 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 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. Use of Air Conditioning: Ceiling "U" factors will be made to conform WITH DOD 4270.1-M.
- 7. Preservation of Historical Sites and Structures: This project does not directly or indirectly affect a district site, building, structure, object, or setting which is listed in the National Register or otherwise possesses a significant quality of American history.
- 8. "New Start" Criteria for Commercial or Industrial Activities Program (OMB Circular A-76): Not applicable.

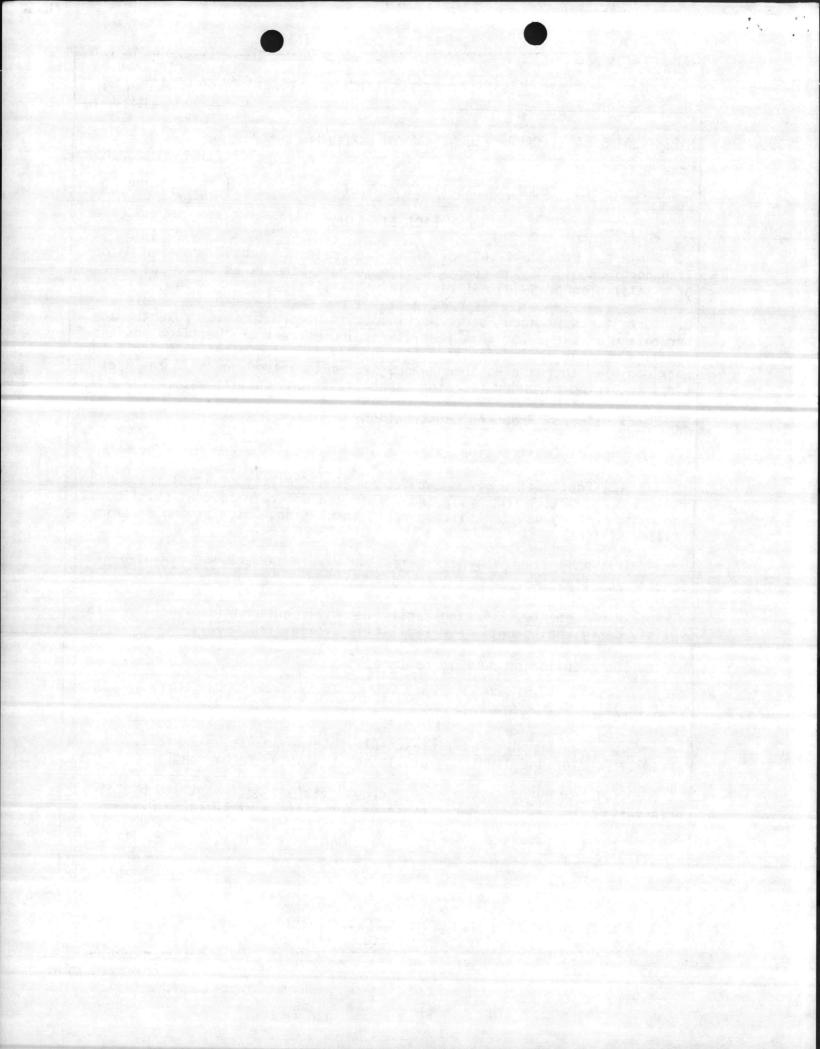
P-809



1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUCTION PROJECT DA	ATA 15 Jun 84
3. INSTALLATION	BASE, CAMP LEJEUNE, NORTH CAROLINA 28542	
4. PROJECT TITLE OF-35 MECHANICS SCHOOL, MCSSS (INCREMENT 2)		P-809

FACILITY STUDY

- 1. Project. Provide 47,695 SF of applied/academic school area for Motor Transport School, Marine Corps Service Support School, as Increment 2 of a total planned 99,079 SF of training facilities.
- 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. 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.
- 3. Description of Proposed Construction.
 - a. Type of Construction.
- (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.
- (2) Pollution controls, walks and parking pavements, security fencing and lighting, and site improvements.
- 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. Flexible pavements, sidewalks, security fencing and lighting, utilities, and site improvement.
- (2) Energy Conservation. Energy-efficient equipment and building orientation for maximum energy conservation will be utilized.
- (3) Collateral Equipment. The collateral equipment list will be submitted under separate cover.
- (4) Supporting Facilities. 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.



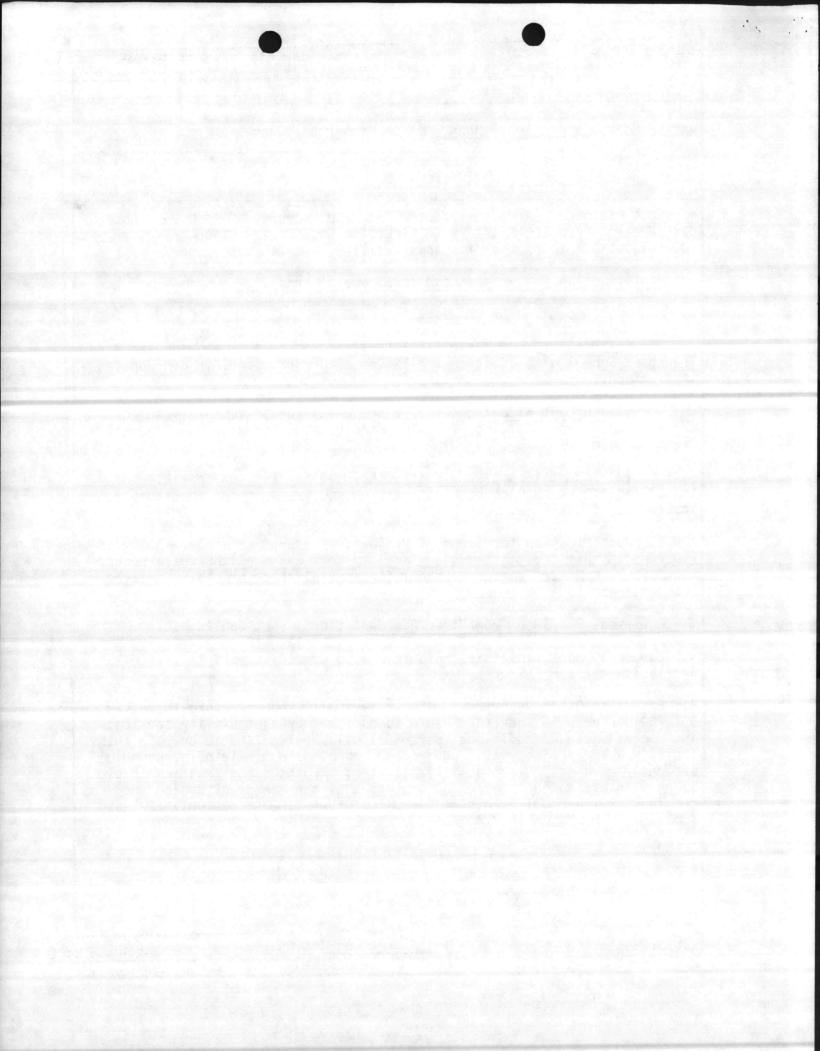
1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 15 Jun 84
3. INSTALLATION	AND LOCATION	
MARINE CORPS	BASE, CAMP LEJEUNE, NORTH CAROLINA 28542	
4. PROJECT TITLE	5. PR	OJECT NUMBER
OF-35 MECHAN	ICS SCHOOL, MCSSS (INCREMENT 2)	P-809

- 4. <u>Cost Estimate</u>. Area cost factor for Camp Lejeune, NC is 0.95. Cost data derived form the Military Construction Cost Review Guide, FY-84 (DOD 4270.1-CG) to provide for this facility, escalated to FY-87.
- 5. Justification for Project and for Scope of Project.
 - a. Justification for Project.
- (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) Impact if not Provided: 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, 47,695 SF (Increment 2), 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. Equipment Provided from Other Appropriations: Not applicable.
- 7. <u>Common Support Facilities</u>. There are no common support facilities available in the MCSSS area.
- 8. Effect on Other Resources. The project will require approximately \$31,700 per year in increased 0&MMC funds for increased utility services and operations. No additional personnel will be required to operate this facility. The project will enhance and improve the morale of personnel presently working in 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.

UTILITY REQUIREMENTS

a. Electricity:

Consumption 121,881 KWH/yr Peak Demand 98 KW Avg. Demand 70 KW



1. COMPONENT				2. DATE
NAVY	FY 19 87 MILITARY CO	NSTRUCTION	PROJECT DATA	15 Jun 84
3. INSTALLATIO	N AND LOCATION			
MARINE COR	PS BASE, CAMP LEJEUNE, NO	RTH CAROLINA	28542	
4. PROJECT TITL				ECT NUMBER
OF-35 MECH	ANICS SCHOOL, MCSSS (INCR	EMENT 2)		P-809
b. St				*
	Consumption Demand	39,213,357 6,300	_lbs/yr _lbs/yr	
c. Coa	11:	688	_tons/yr	
d. Ade	equate utility requiremen	its are avail	able.	
9. Siting			cated in the Mo	ontford Point
10. <u>Other</u>	Graphic Presentations, i	ncluding Pho	tographs. None	
11. Economisite in the energy cons	ic Analysis. This facil Montford Point Area. E umption savings to be re ry operational project i	ity is being conomic savi	constructed on	a developed
	nmental Impact. An Envi en and will be processed environmental impact is		pact Assessment local EIA Revi	(EIA) is ew Board.
13. Quanti	tative Data.			
a. Au	tomotive Intermediate Mai	ntenance Cou	rse, 9 ton truc	k tractor,

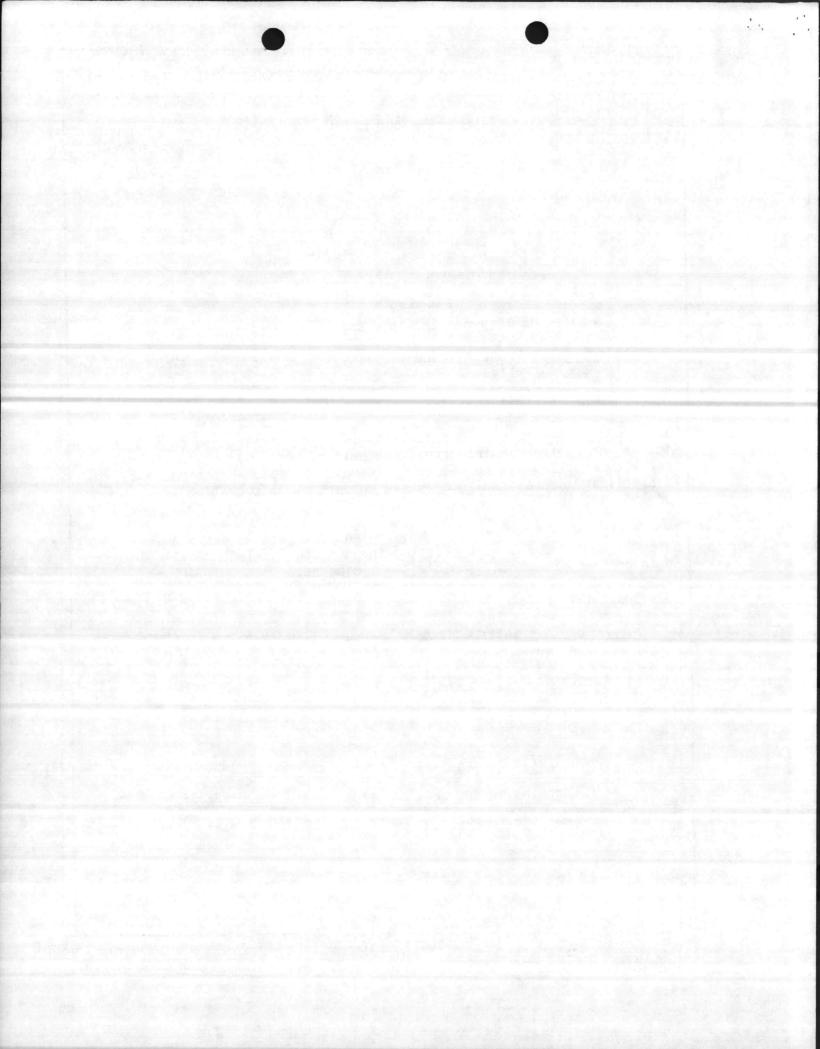
(1) <u>Category Code 171-10</u>:

Classroom: $45 \times 26 = 1170 \text{ SF}$ Support Space: $30 \times 26 = 780 \text{ SF}$

NET SF: 1950 SF

Circulation and Service Areas: 234 SF

GROSS SF: 2184 SF



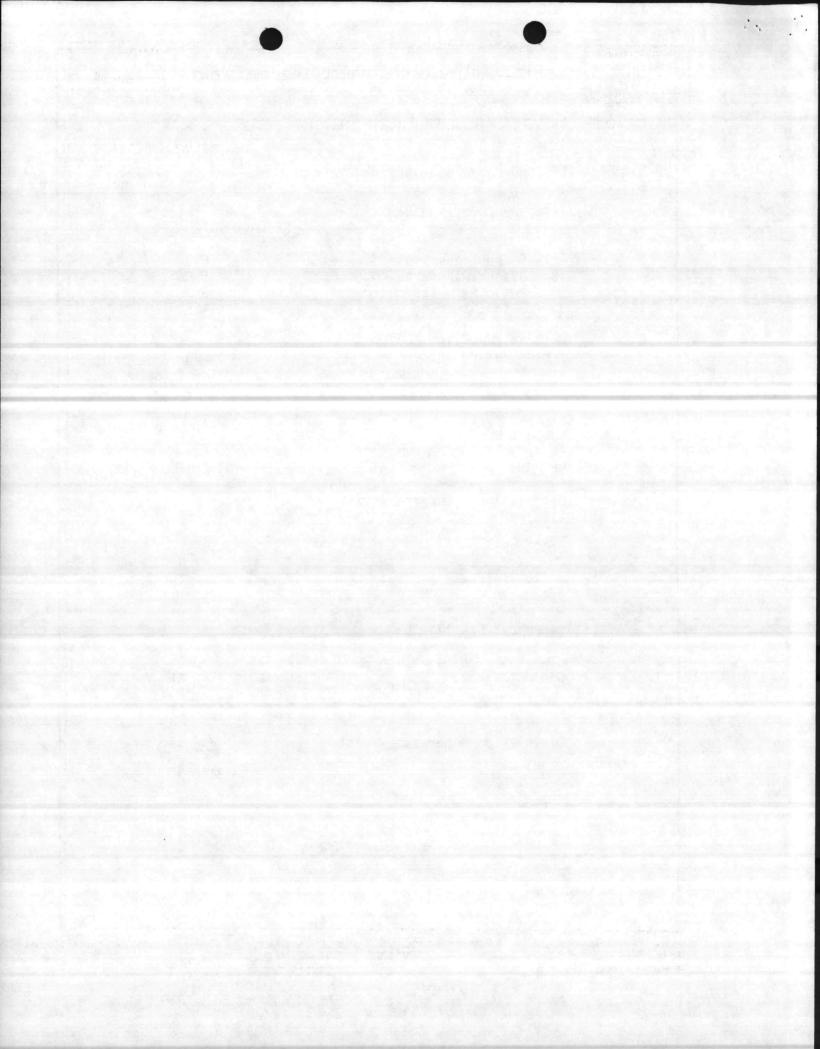
1. COMPONENT NAVY	FY 19 87 MILITARY CONSTRUC	TION PROJEC	T DATA	2. DATE 15 Jun 84
MARINE CORPS	BASE, CAMP LEJEUNE, NORTH CAR	OLINA 28542		
4. PROJECT TITLE		20012		ECT NUMBER
OF-35 MECHAN	ICS SCHOOL, MCSSS (INCREMENT 2)		P-809
(2)	Category Code 171-20:	SF EA	TOTAL S	<u>F</u>
	13 - 9 ton Transmissions	50 50	650 S	

(2)	Category Code 171-20:	SF EA	TOTAL SF
	10 O has Tulvindadidani		
	13 - 9 ton Transmissions 13 - 9 ton Transfers	50 50	650 SF 650 SF
	13 - 9 ton Axle Assemblies	60	780 SF
	13 - 9 ton Steering Gear Assy	35	455 SF
	Material Handling Equipment		
	Maneuvering Space		<u>500</u> SF
	TOTAL SF:		3035 SF
	Laboratory:	3035 x 1 =	
	Support Space:	375 x 1 =	375 SF
	NET SF:		3410 SF
	Circulation & Service Areas:		
	(12%)		409 SF
	GROSS SF:		3819 SF

b. <u>Automotive Intermediate Maintenance Course</u>, 16 ton truck tractor,
 26 student stations.

(1) <u>Category Code 171-10</u>:

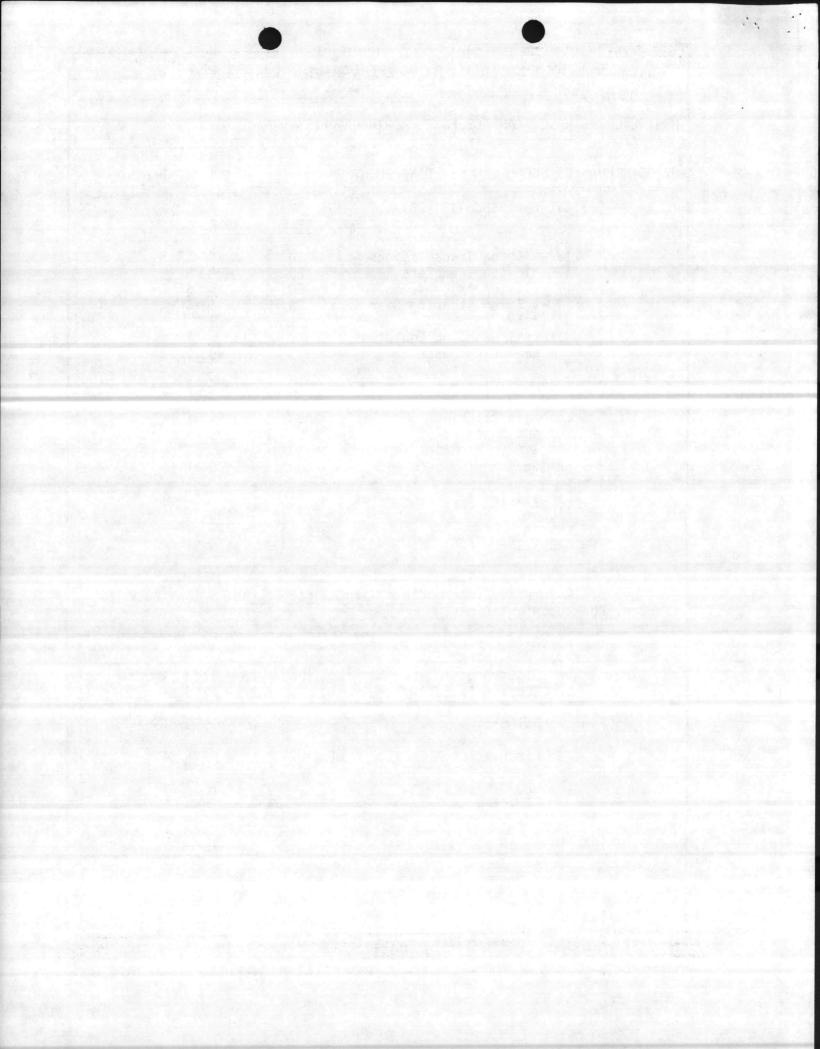
Classroom: Support Space:			1170 SF 780 SF
NET SF:			1950 SF
Circulation & Service Areas:			_234 SF
GROSS SF:			2184 SF



NAVY	FY 1987 MILITARY CONSTRUC	TION PROJECT	DATA	2. DATE 15 Jun 84
INSTALLATION	AND LOCATION			No. of the last
MARINE CORPS	BASE, CAMP LEJEUNE, NORTH CAR	ROLINA 28542		
PROJECT TITLE			5. PROJE	CT NUMBER
OF-35 MECHAN	ICS SCHOOL, MCSSS (INCREMENT 2	2)		P-809
(2)	Category Code 171-20:	SF EA	TOTAL SF	
	13 - 16 ton Transmissions 13 - 16 ton Transfers 13 - 16 ton Axle Assemblies 13 - 16 ton Steering Gear Ass	60 60 60 35	780 SF 780 SF 780 SF 455 SF	
	Material Handling Equipment Maneuvering Space		<u>500</u> SF	
	TOTAL SF:		3295 SF	
	Laboratory: Support Space:	3295 x 1 = 3 375 x 1 =		
	NET SF:		3670 SF	
	Circulation & Service Areas: (12%)		440 SF	
	GROSS SF:	4	110 SF	

(1) <u>Category Code 171-10</u>:

Classroom: $45 \times 26 = 1170 \text{ SF}$ Support Space: $30 \times 26 = 780 \text{ SF}$ NET SF: 1950 SF Circulation & Service Areas: 234 SF GROSS SF: 2184 SF



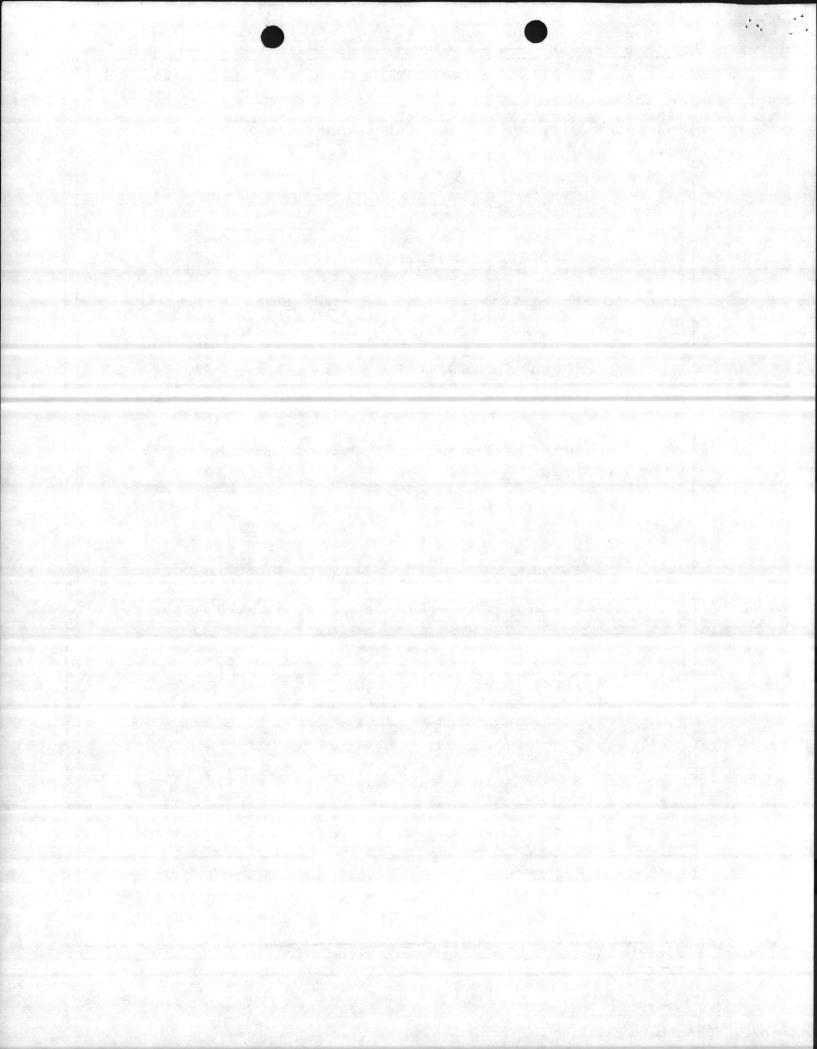
1. COMPONENT 2. DATE FY 19 87 MILITARY CONSTRUCTION PROJECT DATA 15 Jun 84 NAVY 3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542 4. PROJECT TITLE 5. PROJECT NUMBER OF-35 MECHANICS SCHOOL, MCSSS (INCREMENT 2) P-809 (2) Category Code 171-20: 13 Operational diesel engines - 9 ton truck tractor 26 Student stations Laboratory: $150 \times 13 = 1950 SF$ Support Space: $375 \times 1 = 375 SF$ NET SF: 2325 SF Circulation & Service Areas: 279 SF GROSS SF: 2604 SF Automotive Intermediate Maintenance Course, 16 ton truck tractor, 26 student stations. (1) Category Code 171-10: Classroom: 45 x 26 = 1170 SF $30 \times 26 = 780 \text{ SF}$ Support Space: NET SF: 1950 SF Circulation & Service Areas: 234 SF GROSS SF: 2184 SF (2) Category Code 171-20: 13 Operational diesel engines - 16 ton truck tractor Laboratory: $150 \times 13 = 1950 \text{ SF}$ Support Space: $375 \times 1 = 375 \text{ SF}$ NET SE: 2325 SF

Circulation & Service Areas:

GROSS SF:

279 SF

2604 SF



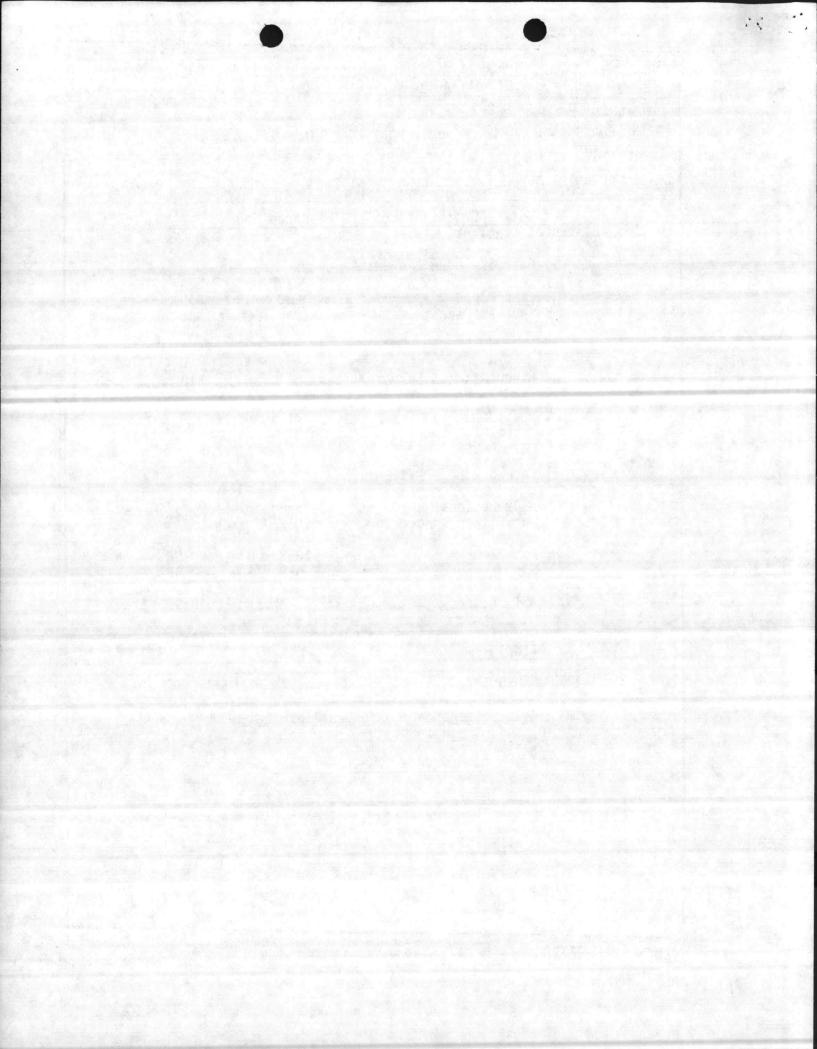
1. COMPONENT 2. DATE FY 19 87 MILITARY CONSTRUCTION PROJECT DATA 15 Jun 84 NAVY 3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542 4. PROJECT TITLE 5. PROJECT NUMBER OF-35 MECHANICS SCHOOL, MCSSS (INCREMENT 2) P-809 Automotive Organizational Maintenance Course, 16 ton tractor module, 40 student stations. (1) Category Code 171-10: Classroom: $20 \times 40 = 800 \text{ SF}$ Classroom: Support Space: $2.25 \times 800 = 1800 SF$ NET SE: 2600 SF Circulation & Service Areas: 312 SF (12%)GROSS SF: 2912 SF (2) Category Code 171-20: 8 Operational 16 ton trucks, tractor (heavy prime movers). Appx floor space required: 1056 SF each. Laboratory: $1056 \times 8 = 8448 \text{ SF}$ Support Space: 480 x 1 = 480 SF NET SF: 8928 SF Circulation & Service Areas: 1071 SF (12%)GROSS SF: 9999 SF f. Automotive Organizational Maintenance Course, 9 ton truck tractor, 40 student stations. (1) Category Code 171-10: Classroom: $20 \times 40 = 800 SF$ Support Space: $2.25 \times 800 = 1800 \text{ SF}$ NET SF: 2600 SF

GROSS SF:

Circulation & Service Areas (12%)

312 SF

2912 SF



1. COMPONENT
NAVY

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE

OF-35 MECHANICS SCHOOL, MCSSS (INCREMENT 2)

2. DATE
15 Jun 84

5. PROJECT NUMBER
P-809

(2) Category Code 171-20:

8 Operational 9 ton trucks, tractor (medium prime movers) Approx floor space required: 1056 SF each.

Laboratory: Support Space: 1056 x 8 = 8448 SF 480 x 1 = 480 SF

Support Space:

NET SF:

8928 SF

Circulation & Service Areas (12%)

<u>1071</u> SF

GROSS SF:

9999 SF

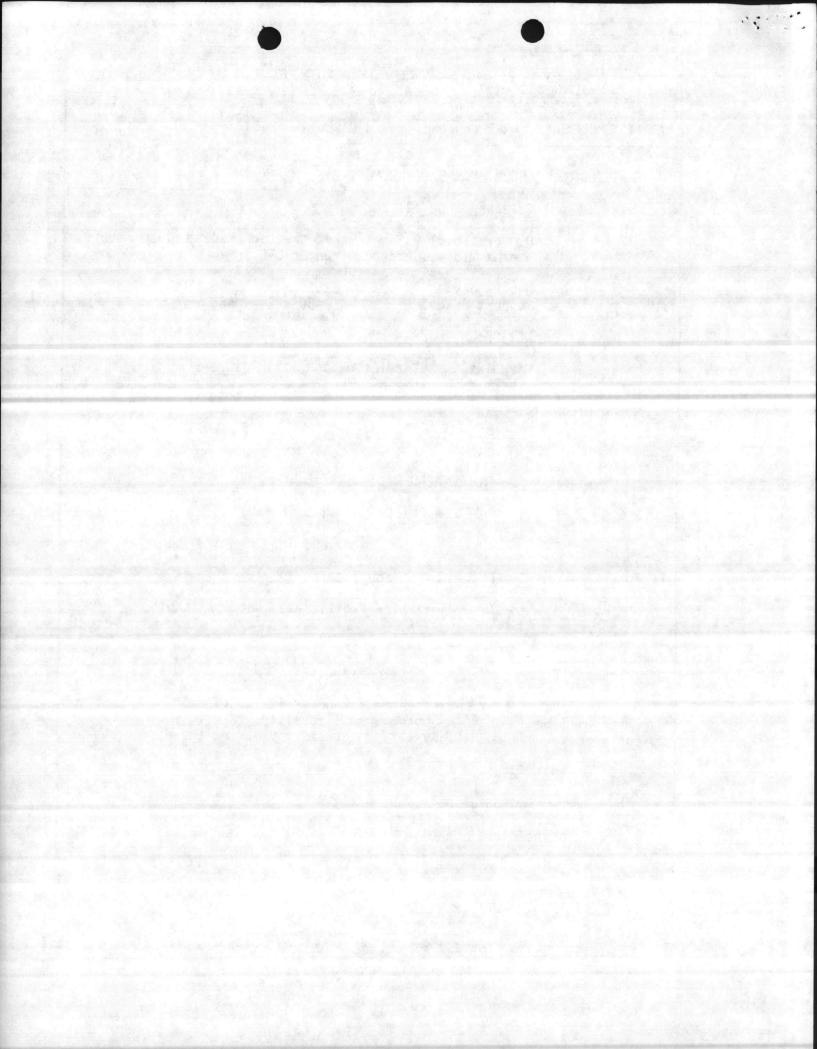
g. SUMMARY:

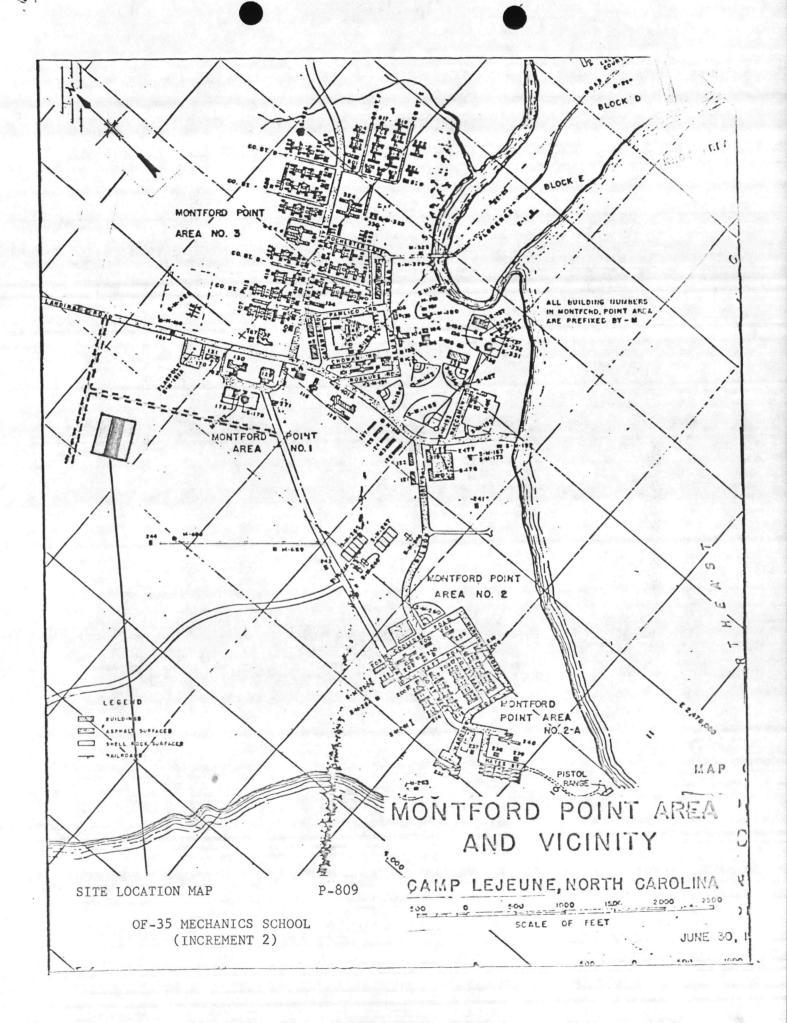
TOTAL ACADEMIC: 14,560 SF

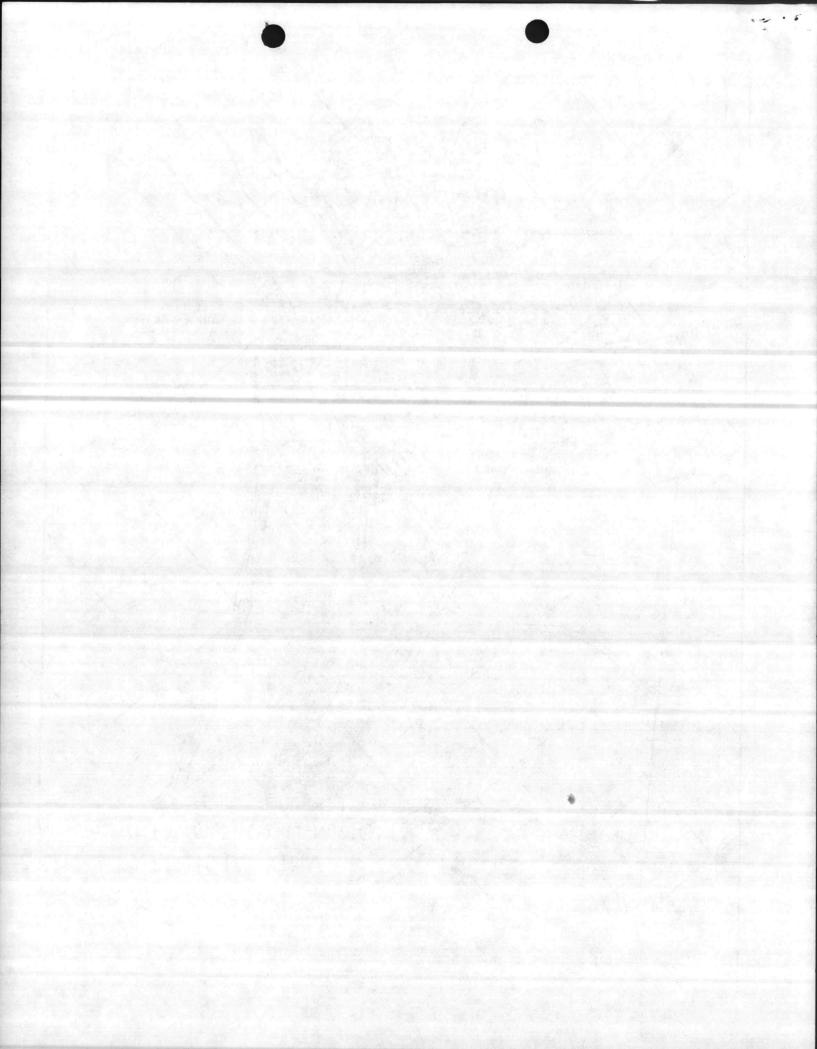
TOTAL APPLIED: 33,135 SF

47,695 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: The 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.







1. COMPONENT 2. DATE FY 19 85 MILITARY CONSTRUCTION PROJECT DATA NAVY 1 AUG 1981 3. INSTALLATION AND LOCATION 4. PROJECT TITLE MARINE CORPS BASE OF-35 MECHANICS SCHOOL, MCSSS CAMP LEJEUNE, NORTH CAROLINA 28542 (INCREMENT 2) 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000) 171-20 P-809 \$5,500

ITEM	U/M	QUANTITY	UNIT	COST (\$000)
MECHANICS SCHOOL	SF	47,695	86.23	4,113
BUILDING	SF	47,695	75.00	(3,577)
BUILT-IN EQUIPMENT	LS	_	_	(536)
SUPPORTING FACILITIES	LS	1804-1808		616
PAVEMENTS, RIGID AND FLEXIBLE	LS	disposit Addition		(262)
SECURITY LIGHTING, FENCING, UTILITIES, AND	LS	-	-	
SITE IMPROVEMENT	LS	-44 -	- 100	(354)
SUBTOTAL	LS	-	-	4,729
CONTINGENCY - 10%	LS	_	-	472
TOTAL CONTRACT COST	LS	-	-	5,201
SUPERVISION, INSPECTION, & OVERHEAD - 5.5%	LS	_	-	286
TOTAL REQUEST (ROUNDED)	LS	-	-	5,500
INSTALLED EQUIP - OTHER APPROPRIATIONS	-	-	10 - 15 10 - 10 - 10	
				-

Construct permanent applied facility with piles, reinforced concrete foundation, floors, and masonry walls. Built-up roof over insulation and and interior support systems; i.e. air conditioning, compressed air, sprinkler, fire alarm, plumbing, exterior pavement, site work, and utilities connected.

11. REQUIREMENTS

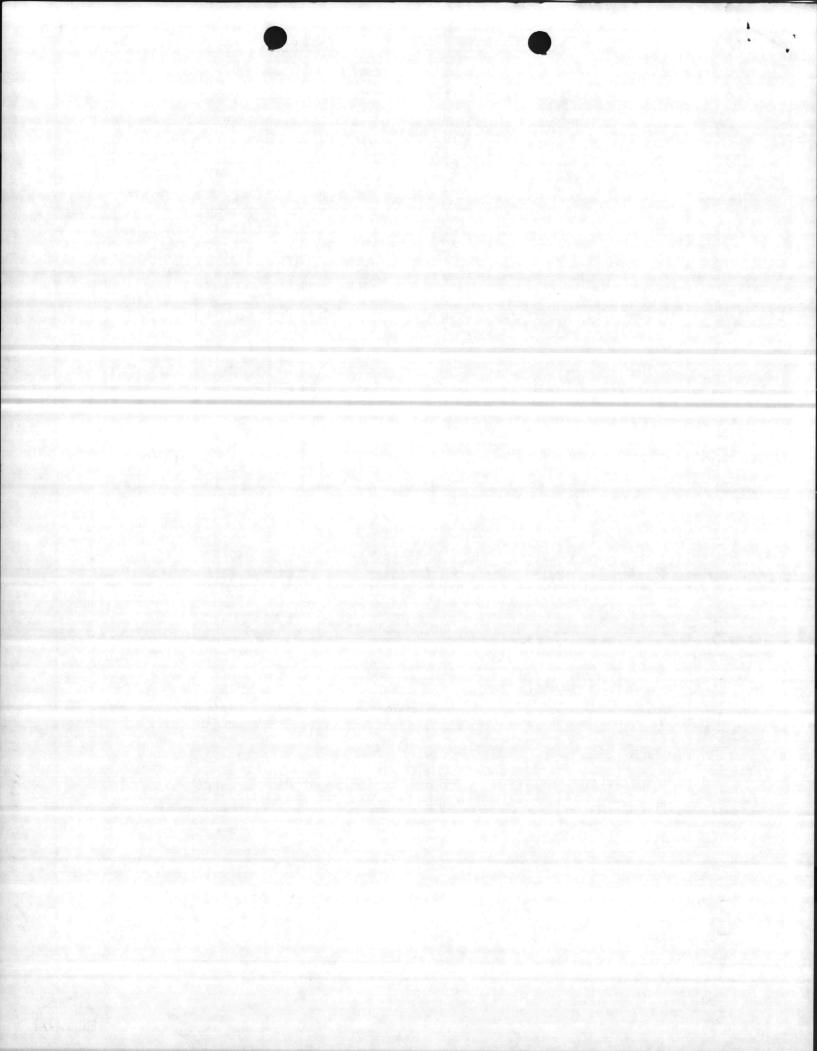
PROJECT: Construct Increment 2 of applied/academic facilities for Motor

Transport School, MCSSS.

REQUIREMENT: Adequate facilities are required for training of military personnel in 2nd, 3rd, and 4th echelon maintenance of Marine Corps equip-

CURRENT SITUATION: Existing Motor Transport School facilities are located in inadequate WW-II masonry buildings.

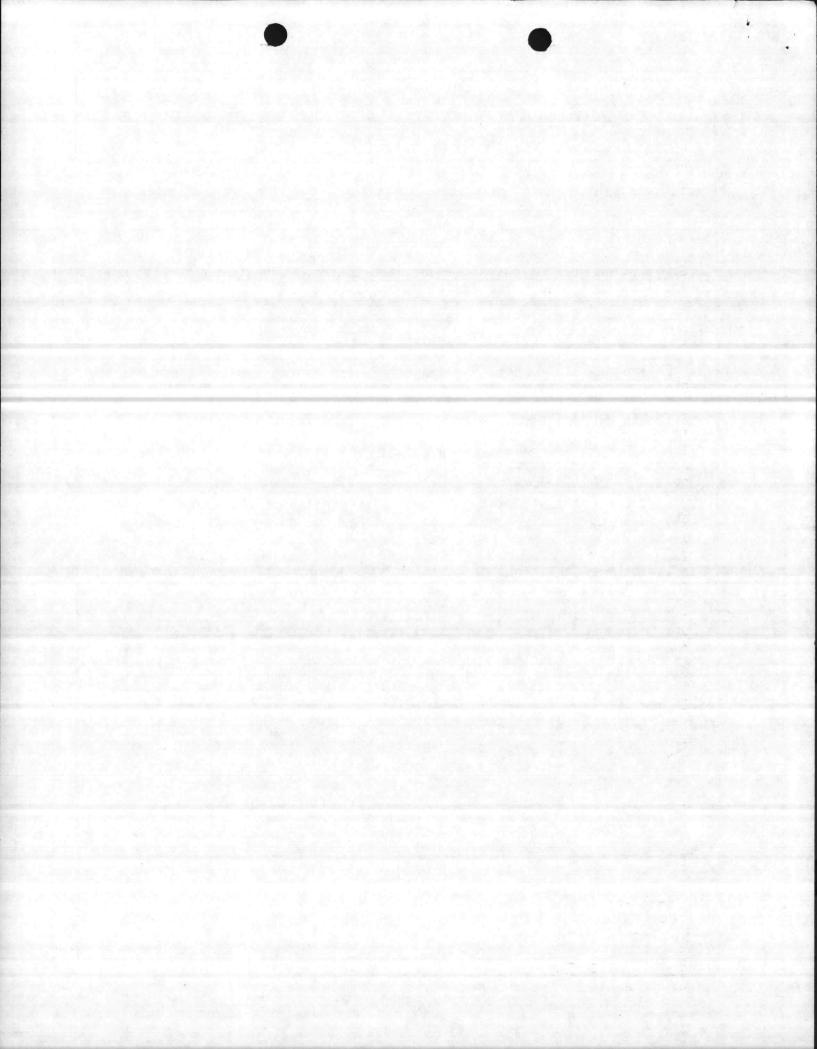
IMPACT IF NOT PROVIDED: Continued training of Marine Corps Personnel in inadequate facilities which impairs the effectiveness of the training program.



1. COMPONENT	FY 19 85 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1981
3. INSTALLATION AT	BASE, CAMP LEJEUNE, NORTH CAROLINA 28542	<u> </u>
4. PROJECT TITLE OF-35 MECHANI	CS SCHOOL, MCSSS (INCREMENT 2)	P-809

SPECIAL CONSIDERATIONS

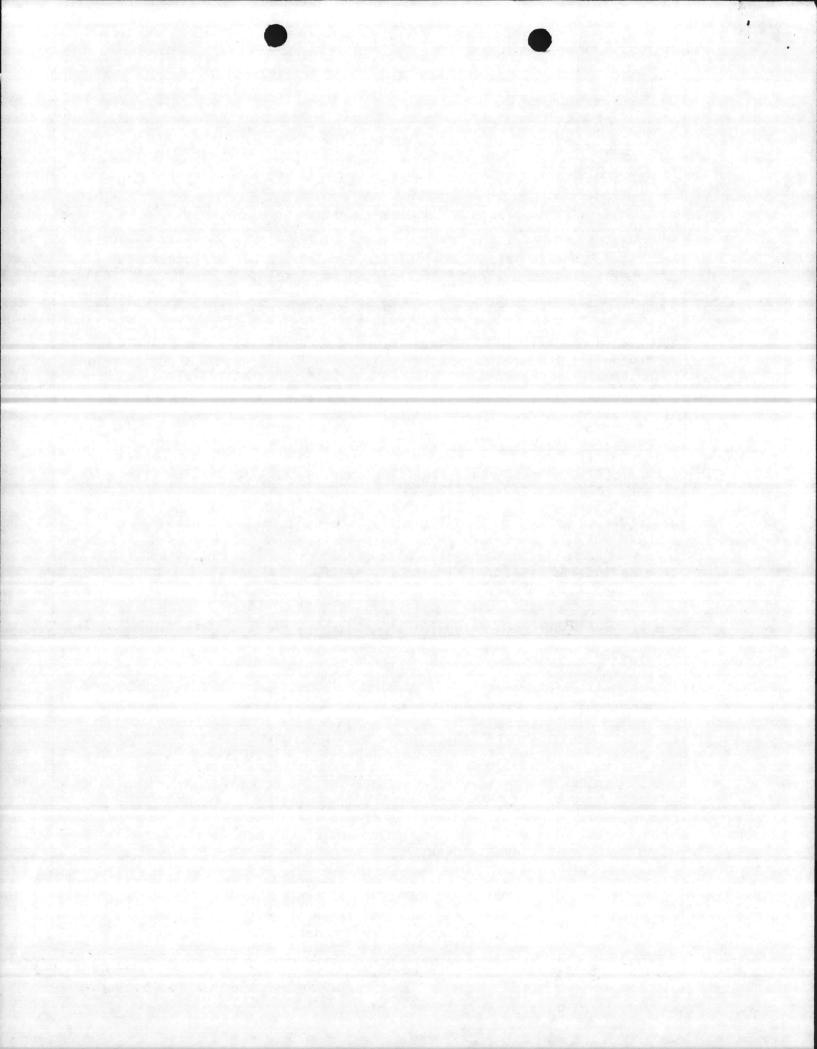
- 1. Pollution Prevention, Abatement, and Control: This project will not cause additional air or water pollution.
- 2. Flood Hazard Evaluation: Requirements of Executive Order No. 11296 (Flood Hazards) are not applicable.
- 3. Environmental Impact: The project Environmental Impact Assessment has been 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 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. Use of Air Conditioning: Ceiling "U" factors will be made to conform WITH DOD 4270.1-M.
- 7. Preservation of Historical Sites and Structures: This project does not directly or indirectly affect a district site, building, structure, object, or setting which is listed in the National Register or otherwise possesses a significant quality of American history.
- 8. "New Start" Criteria for Commercial or Industrial Activities Program (OMB Circular A-76): Not applicable.



2. DATE 1. COMPONENT FY 19 85 MILITARY CONSTRUCTION PROJECT DATA NAVY 1 AUG 1981 3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542 5. PROJECT NUMBER 4. PROJECT TITLE OF-35 MECHANICS SCHOOL, MCSSS (INCREMENT 2) P-809

FACILITY STUDY

- 1. Project. Provide 47,695 SF of applied/academic school area for Motor Transport School, Marine Corps Service Support School, as Increment 2 of a total planned 99,079 SF of training facilities.
- 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. 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.
- Description of Proposed Construction.
 - a. Type of Construction.
- (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.
- (2) Pollution controls, walks and parking pavements, security fencing and lighting, and site improvements.
- 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. Flexible pavements, sidewalks, security fencing and lighting, utilities, and site improvement.
- (2) Energy Conservation. Energy-efficient equipment and building orientation for maximum energy conservation will be utilized.
- (3) Collateral Equipment. The collateral equipment list will be submitted under separate cover.
- (4) Supporting Facilities. 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.



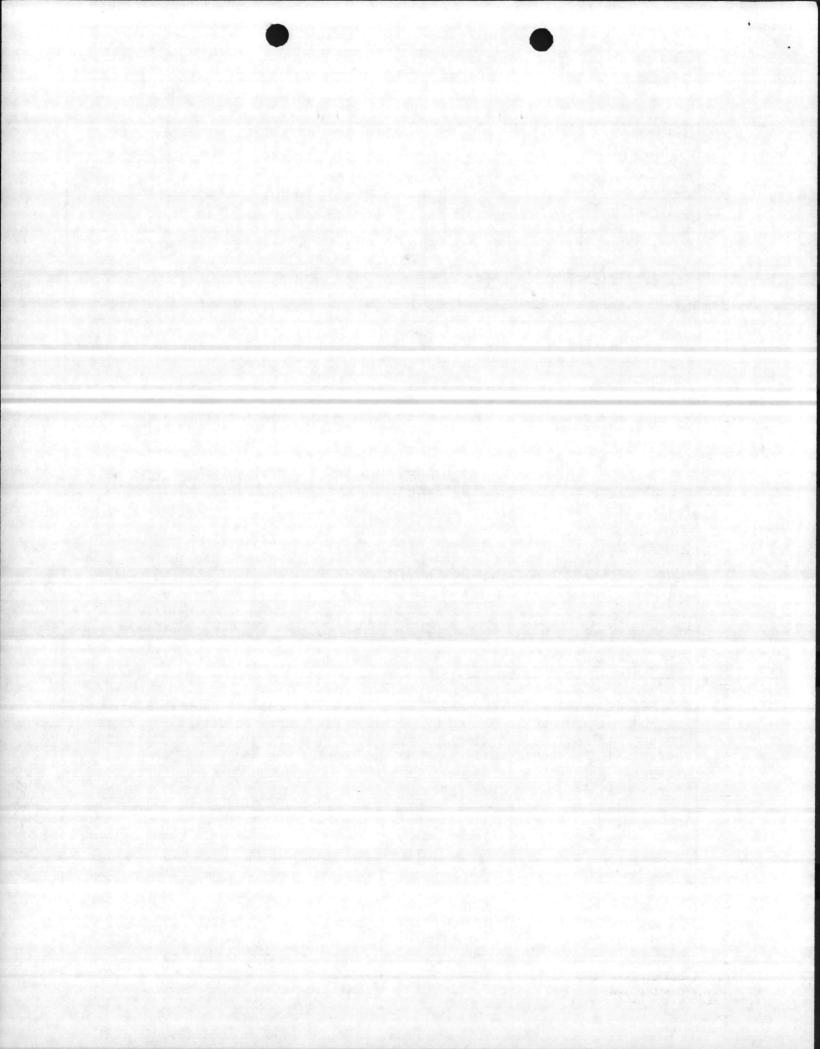
. DATE
1 AUG 1981
TNUMBER
P-809
1

- 4. <u>Cost Estimate</u>. Area cost factor for Camp Lejeune, NC is 0.95. Cost data derived form the Military Construction Cost Review Guide, FY-82 (DOD 4270.1-CG) to provide for this facility, escalated to FY-83.
- Justification for Project and for Scope of Project.
 - a. Justification for Project.
- (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) Impact if not Provided: 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, 47,695 SF (Increment 2), 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.
- G. Equipment Provided from Other Appropriations: Not applicable.
- 7. Common Support Facilities. There are no common support facilities available in the MCSSS area.
- **8.** Effect on Other Resources. The project will require approximately \$31,700 per year in increased 0&MMC funds for increased utility services and operations. No additional personnel will be required to operate this facility. The project will enhance and improve the morale of personnel presently working in 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.

UTILITY REQUIREMENTS

a. Electricity:

Consumption 121,881 KWH/yr Peak Demand 98 KW KW KW



NAVY FY 19 85 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1981
3. INSTALLATION AND LOCATION	<u> </u>
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542	
4. PROJECT TITLE 5. PRO.	JECT NUMBER
OF-35 MECHANICS SCHOOL, MCSSS (INCREMENT 2)	P-809
Consumption 39.213.357 lbs/yr Demand 6,300 lbs/yr c. Coal: 688 tons/yr d. Adequate utility requirements are available. 9. Siting of the Project. The facility is located in the Narea. See enclosure (1). 10. Other Graphic Presentations, including Photographs. None in the Montford Point Area. Economic savings will be in energy consumption savings to be realized from efficient oper is a military operational project in support of an operational located in this area.	e. on a developed n nominal rations. This
12. Environmental Impact. An Environmental Impact Assessmen	ot (FIA) is

13. Quantitative Data.

a. <u>Automotive Intermediate Maintenance Course</u>, 9 ton truck tractor, 26 student stations.

being written and will be processed through the local EIA Review Board.

(1) <u>Category Code 171-10</u>:

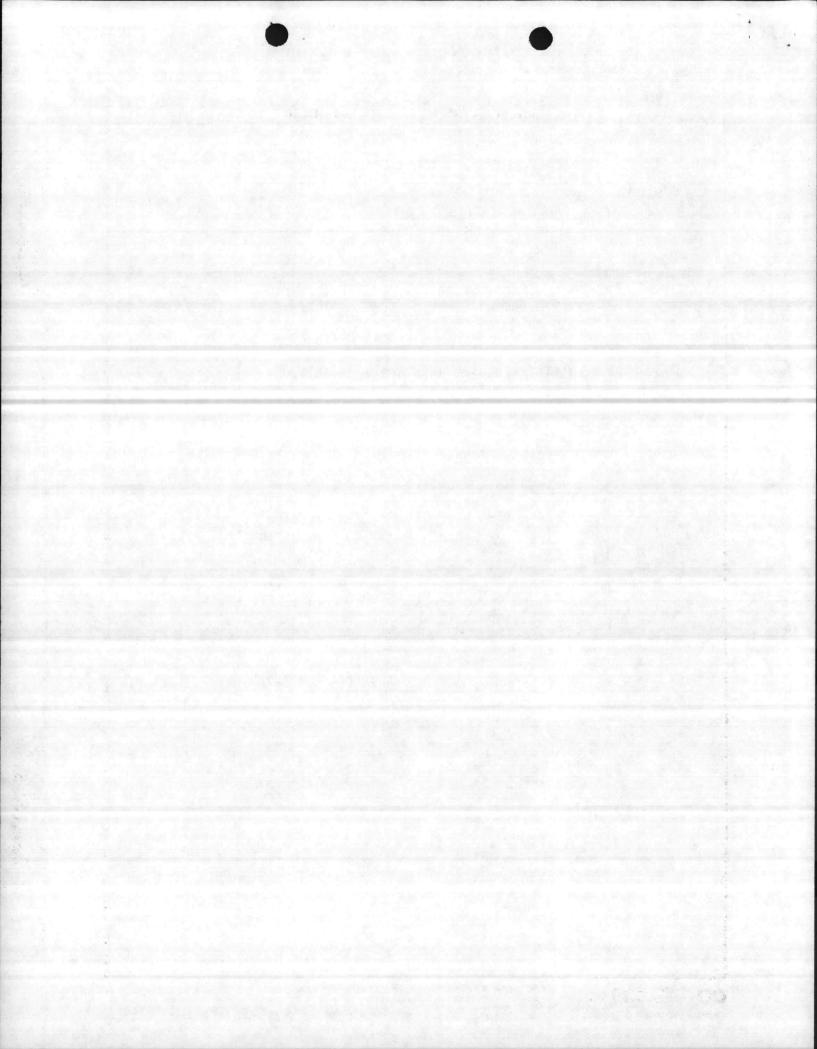
No adverse environmental impact is anticipated.

Classroom: Support Space: 45 x 26 = 1170 SF 30 x 26 = 780 SF

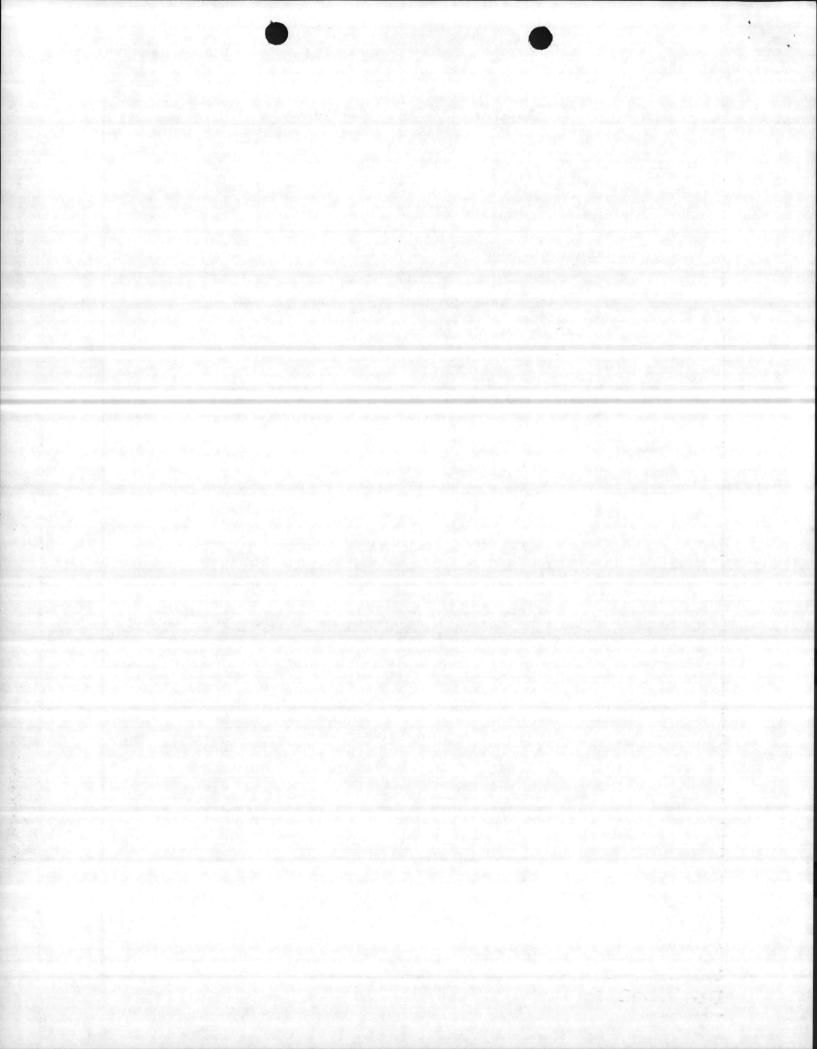
NET SF: 1950 SF

Circulation and Service Areas: 234 SF

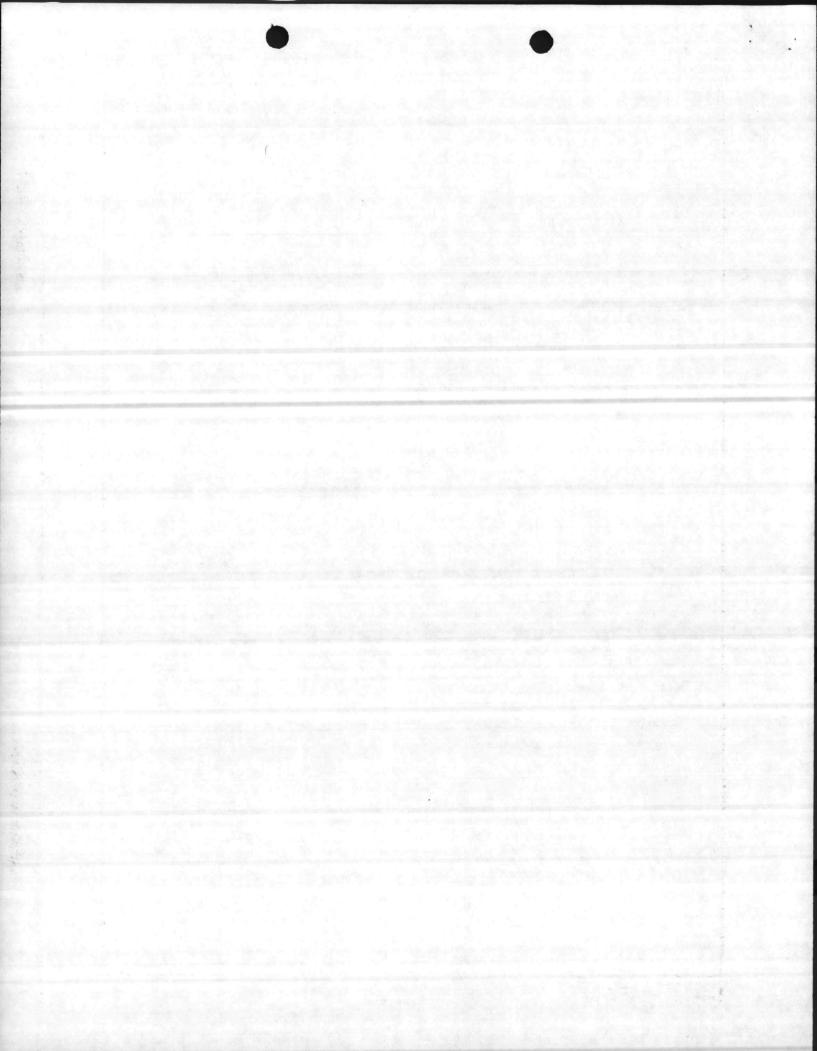
GROSS SF: 2184 SF



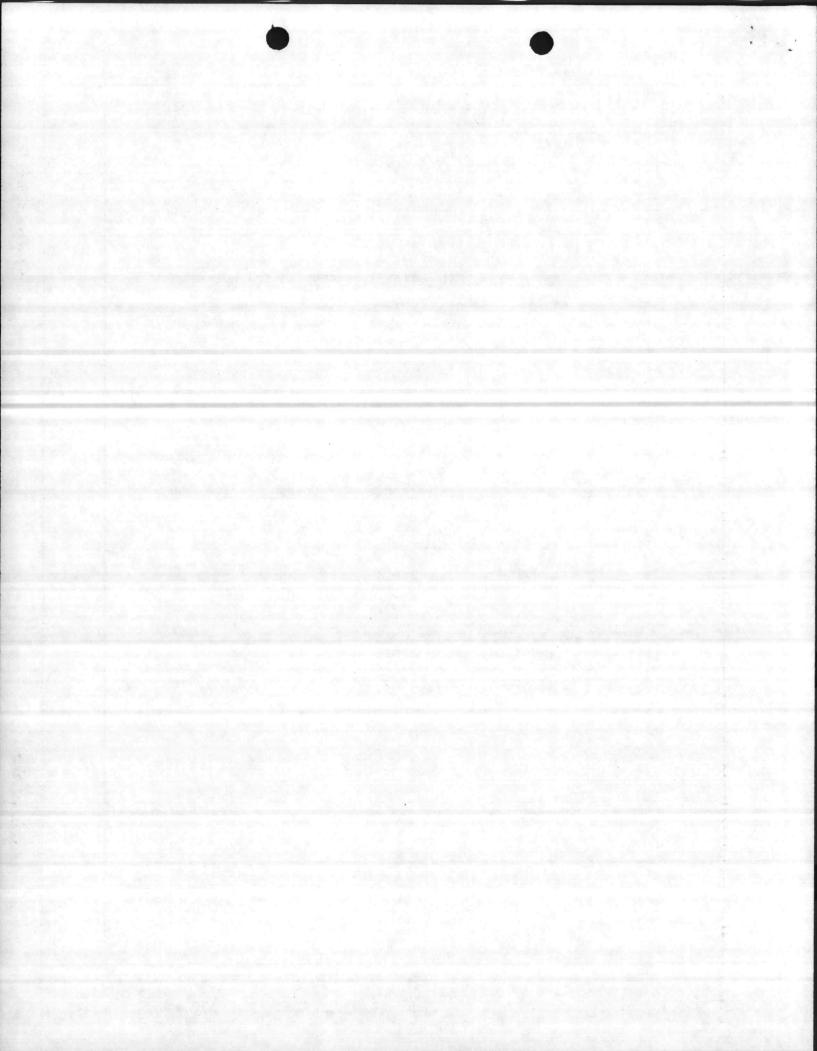
1. COMPONENT			2. DATE
NAVY	FY 19 85 MILITARY CONSTRUC	TION PROJECT DATA	1 AUG 1981
3. INSTALLATION	AND LOCATION		and the second second
MARINE CORPS	BASE, CAMP LEJEUNE, NORTH CARO	DLINA 28542	
4. PROJECT TITLE		5. PROJ	ECT NUMBER
OF-35 MECHAN	ICS SCHOOL, MCSSS (INCREMENT 2))	P-809
(2)	Category Code 171-20:	SF EA TOTAL S	<u> </u>
	13 - 9 ton Transmissions 13 - 9 ton Transfers 13 - 9 ton Axle Assemblies 13 - 9 ton Steering Gear Assy	50 650 S 50 650 S 60 780 S 35 455 S	F F
	Material Handling Equipment Maneuvering Space	<u>500</u> S	F
	TOTAL SF:	3035 S	F
	Laboratory: Support Space:	$3035 \times 1 = 3035 \text{ SF}$ $375 \times 1 = 375 \text{ SF}$	1,000,01,00
	NET SF:	3410 SF	
	Circulation & Service Areas: (12%)	409 SF	
	GROSS SF:	3819 SF	
b. Aut 26 student s	omotive Intermediate Maintenan tations.	ce Course, 16 ton tr	uck tractor,
(1)	Category Code 171-10:		
	Classroom: Support Space:	45 x 26 = 1170 SF 30 x 26 = 780 SF	
	NET SF:	1950 SF	
	Circulation & Service Areas:		
	GROSS SF:	2184 SF	



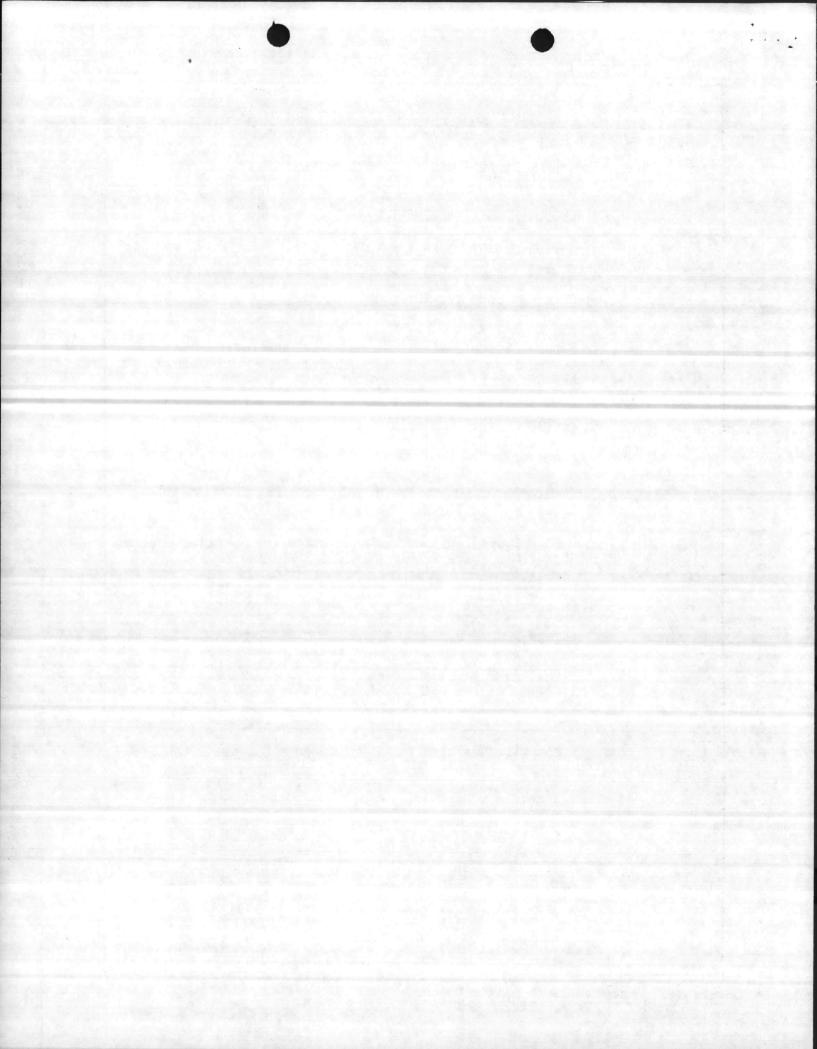
. COMPONENT	THE SECOND TO SE		2. DATE 1 AUG 1981
NAVY			1 AUG 1981
	BASE, CAMP LEJEUNE, NORTH CAROLI		
. PROJECT TITLE		5. PROJ	ECT NUMBER
OF-35 MECHAN	IICS SCHOOL, MCSSS (INCREMENT 2)		P-809
(2)	Category Code 171-20:	SF EA TOTAL SF	
	13 - 16 ton Transmissions 13 - 16 ton Transfers 13 - 16 ton Axle Assemblies 13 - 16 ton Steering Gear Assy	60 780 SF 60 780 SF 60 780 SF 35 455 SF	
	Material Handling Equipment Maneuvering Space	<u>500</u> SF	
	TOTAL SF: -	3295 SF	
		95 x 1 = 3295 SF 75 x 1 = 375 SF	
	NET SF:	3670 SF	
	Circulation & Service Areas: (12%)	440 SF	
	GROSS SF:	4110 SF	
c. tractor, 26	Automotive Intermediate Maintena student stations.	nce Course, 9 ton	truck
	(1) Category Code 171-10:		
	Classroom: Support Space:	45 x 26 = 1170 30 x 26 = 780	
	NET SF:	1950	SF
	Circulation & Service Areas:	_234	SF
	GROSS SF:	2184	SF



2. DATE 1. COMPONENT FY 19 85 MILITARY CONSTRUCTION PROJECT DATA NAVY 1 AUG 1981 3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542 5. PROJECT NUMBER OF-35 MECHANICS SCHOOL, MCSSS (INCREMENT 2) P-809 (2) Category Code 171-20: 13 Operational diesel engines - 9 ton truck tractor 26 Student stations $150 \times 13 = 1950 SF$ Laboratory: Support Space: $375 \times 1 = 375 SF$ NET SF: 2325 SF Circulation & Service Areas: 279 SF 2604 SF GROSS SF: Automotive Intermediate Maintenance Course, 16 ton truck tractor, 26 student stations. (1) Category Code 171-10: 45 x 26 = 1170 SF Classroom: $30 \times 26 = 780 \text{ SF}$ Support Space: 1950 SF NET SF: 234 SF Circulation & Service Areas: 2184 SF GROSS SF: (2) Category Code 171-20: 13 Operational diesel engines - 16 ton truck tractor 150 x 13 = 1950 SF Laboratory: $375 \times 1 = 375 \text{ SF}$ Support Space: 2325 SF NET SF: Circulation & Service Areas: 279 SF 2604 SF GROSS SF:



2. DATE 1. COMPONENT FY 1985 MILITARY CONSTRUCTION PROJECT DATA 1 AUG 1981 NAVY 3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542 5. PROJECT NUMBER 4. PROJECT TITLE OF-35 MECHANICS SCHOOL, MCSSS (INCREMENT 2) P-809 Automotive Organizational Maintenance Course, 16 ton tractor module, 40 student stations. (1) Category Code 171-10: Classroom: $20 \times 40 = 800 \text{ SF}$ Support Space: 2.25 x 800 = 1800 SF NET SE: 2600 SF Circulation & Service Areas: 312 SF (12%) GROSS SF: 2912 SF (2) Category Code 171-20: 8 Operational 16 ton trucks, tractor (heavy prime movers). Appx floor space required: 1056 SF each. $1056 \times 8 = 8448 SF$ Laboratory: $480 \times 1 = 480 \text{ SF}$ Support Space: NET SF: 8928 SF Circulation & Service Areas: 1071 SF (12%)GROSS SF: 9999 SF f. Automotive Organizational Maintenance Course, 9 ton truck tractor, 40 student stations. (1) Category Code 171-10: $20 \times 40 = 800 \text{ SF}$ Classroom: Support Space: $2.25 \times 800 = 1800 \text{ SF}$ 2600 SF NET SE: Circulation & Service Areas (12%) 312 SF 2912 SF GROSS SF:



2. DATE 1. COMPONENT FY 19 85 MILITARY CONSTRUCTION PROJECT DATA NAVY 1 AUG 1981 3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542 5. PROJECT NUMBER 4. PROJECT TITLE OF-35 MECHANICS SCHOOL, MCSSS (INCREMENT 2) P-809

(2) Category Code 171-20:

8 Operational 9 ton trucks, tractor (medium prime movers) Approx floor space required: 1056 SF each.

Laboratory: Support Space: 1056 x 8 = 8448 SF 480 x 1 = 480 SF

NET SF:

8928 SF

Circulation & Service Areas (12%) 1071 SF

GROSS SF:

9999 SF

q. SUMMARY:

TOTAL ACADEMIC: 14,560 SF

TOTAL APPLIED: 33,135 SF

47,695 SF

- Maintenance Facilities: Not applicable. 14.
- 15. Morale, Welfare, and Recreation Facilities: Not applicable.
- 16. Relocation Facilities: Not applicable.
- 17. Storage Facilities: Not applicable.
- 18. <u>Hazard Identification</u>, <u>Assessment</u>, <u>and Analysis</u>: The 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.

