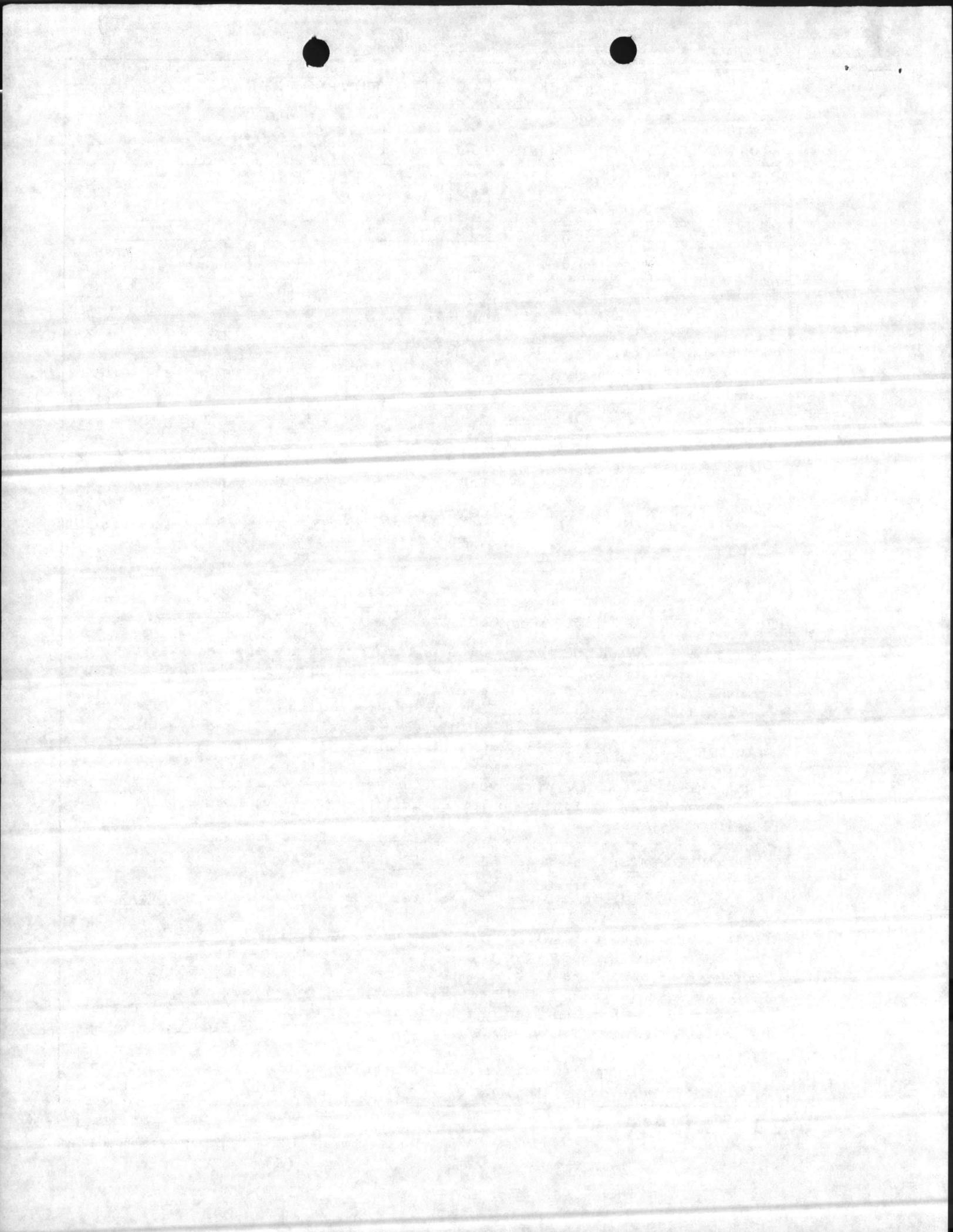
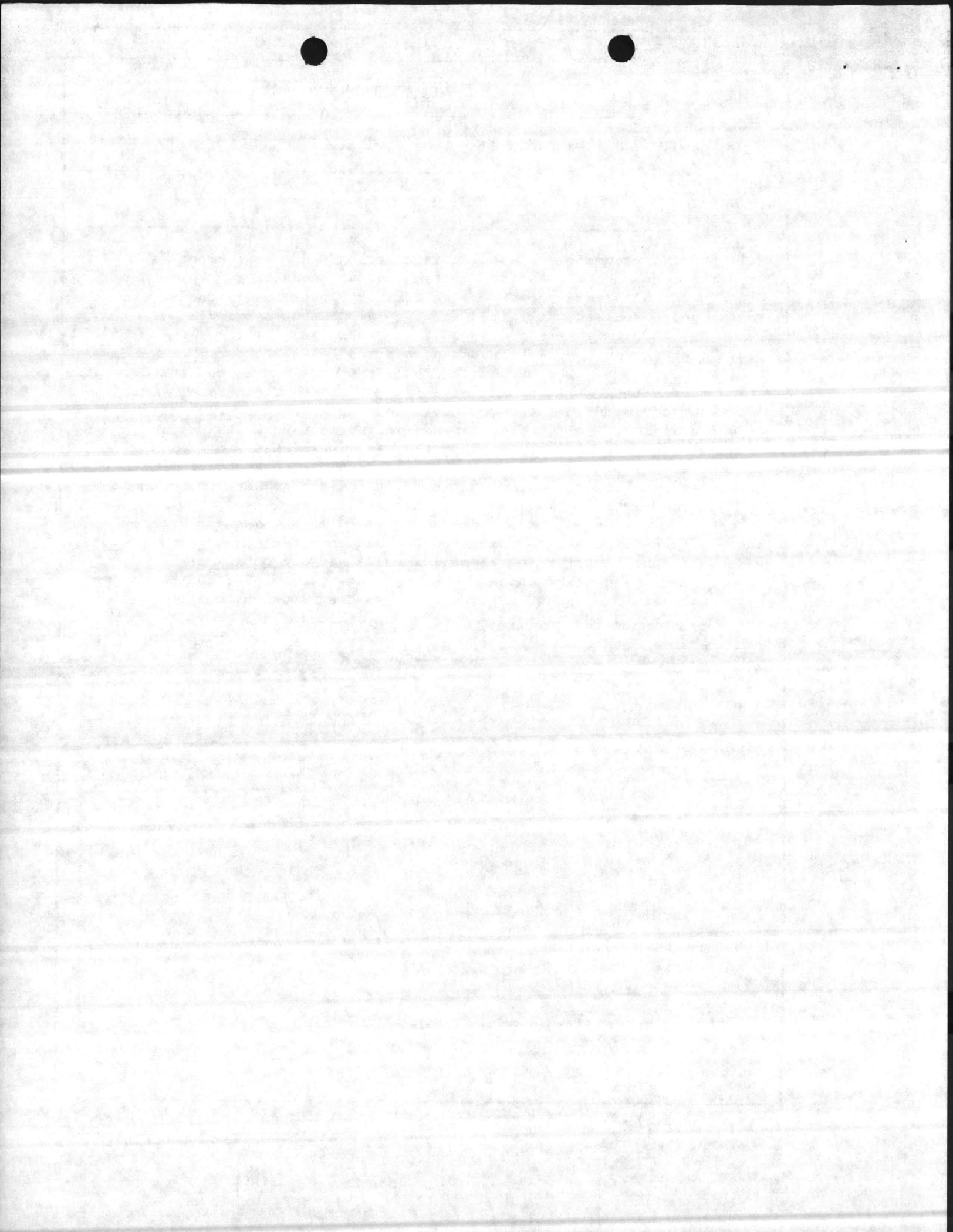


1. COMPONENT NAVY		FY 19 <u>87</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE REVISIONS 1 Mar 85	
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA 28542				4. PROJECT TITLE MECHANICS TRAINING BUILDING (INCREMENT 2)		
5. PROGRAM ELEMENT		6. CATEGORY CODE 171-20	7. PROJECT NUMBER P-809		8. PROJECT COST (\$000) 6,700	
ESCALATED TO APRIL 1987				9. COST ESTIMATES		
ITEM		U/M	QUANTITY	UNIT COST	COST (\$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	-	-	752	
PAVEMENTS, RIGID AND FLEXIBLE		LS	-	-	(320)	
SECURITY LIGHTING, FENCING, UTILITIES & SITE IMPROVEMENT		LS	-	-	(432)	
SUBTOTAL		LS	-	-	5,769	
CONTINGENCY - 10%		LS	-	-	576	
TOTAL CONTRACT COST		LS	-	-	6,345	
SUPERVISION, INSPECTION & OVERHEAD - 5.5%		LS	-	-	349	
TOTAL REQUEST (ROUNDED)		-	-	-	6,700	
INSTALLEQ EQUIPMENT- OTHER APPROPRIATIONS		-	-	(non-add)	(0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
<p>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.</p>						
<p>11. REQUIREMENTS: Cat Code: 171-20 <u>109,200 SF</u> Adequate: <u>10,732 SF</u> Substandard: <u>154,658 SF</u> Cat Code: 171-10 <u>217,304</u> Adequate: <u>0 SF</u> Substandard: <u>98,208 SF</u></p>						
<p>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.</p>						
<p>REQUIREMENT: Adequate facilities for training military personnel in 2nd, 3rd and 4th echelon maintenance of Marine Corps equipment. This increment</p>						



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<p>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.</p> <p><u>CURRENT SITUATION:</u> 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.</p> <p><u>IMPACT IF NOT PROVIDED:</u> 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.</p>		



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3. INSTALLATION AND LOCATION

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4. PROJECT TITLE

MECHANICS TRAINING BUILDING (INCREMENT 2)

5. PROJECT NUMBER

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.

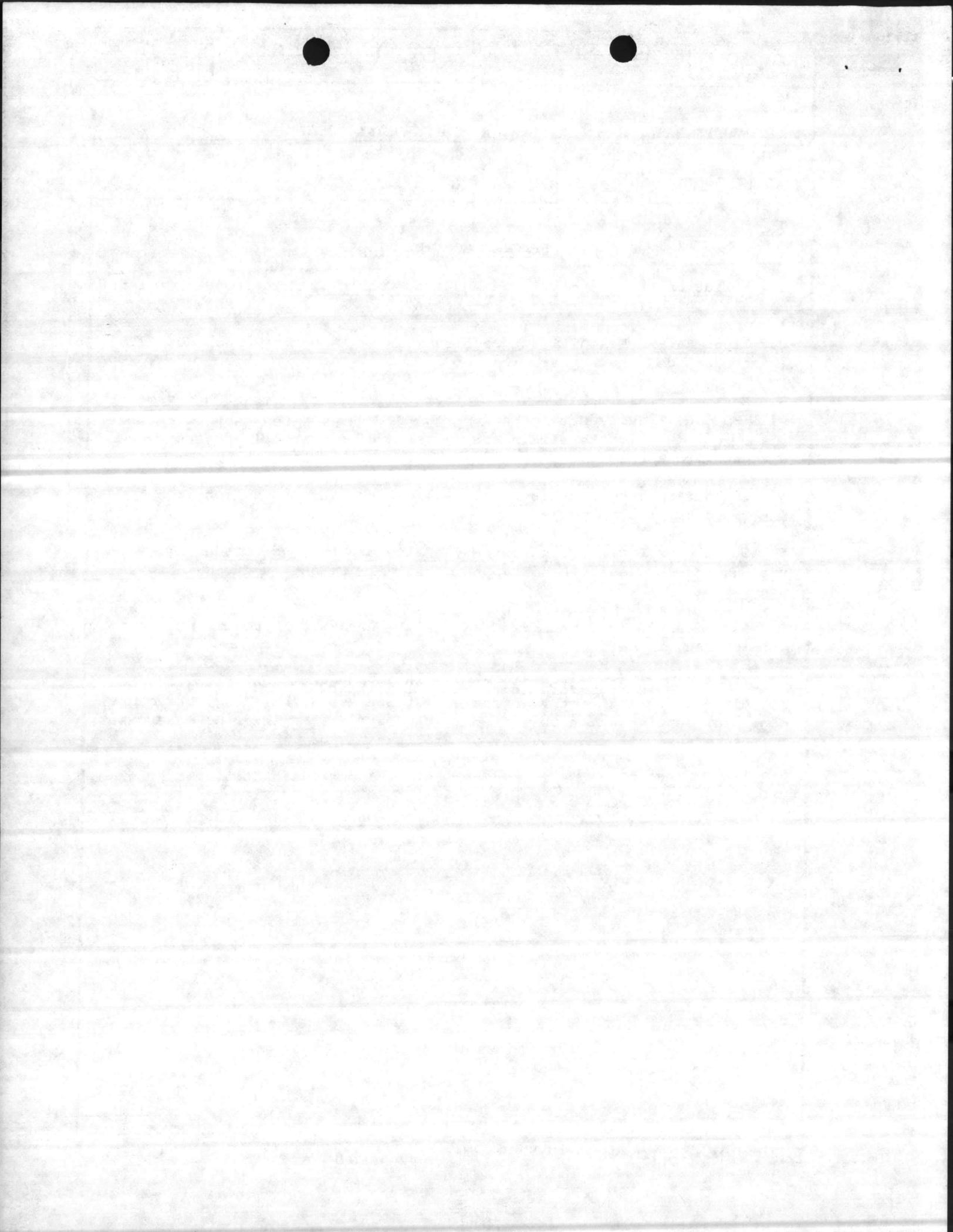
4. Fallout Shelter Construction: Fallout shelter protection is not incorporated in this project.

5. Design for Accessibility of Physically Handicapped Personnel: Provisions for physically handicapped personnel are not required in this project.

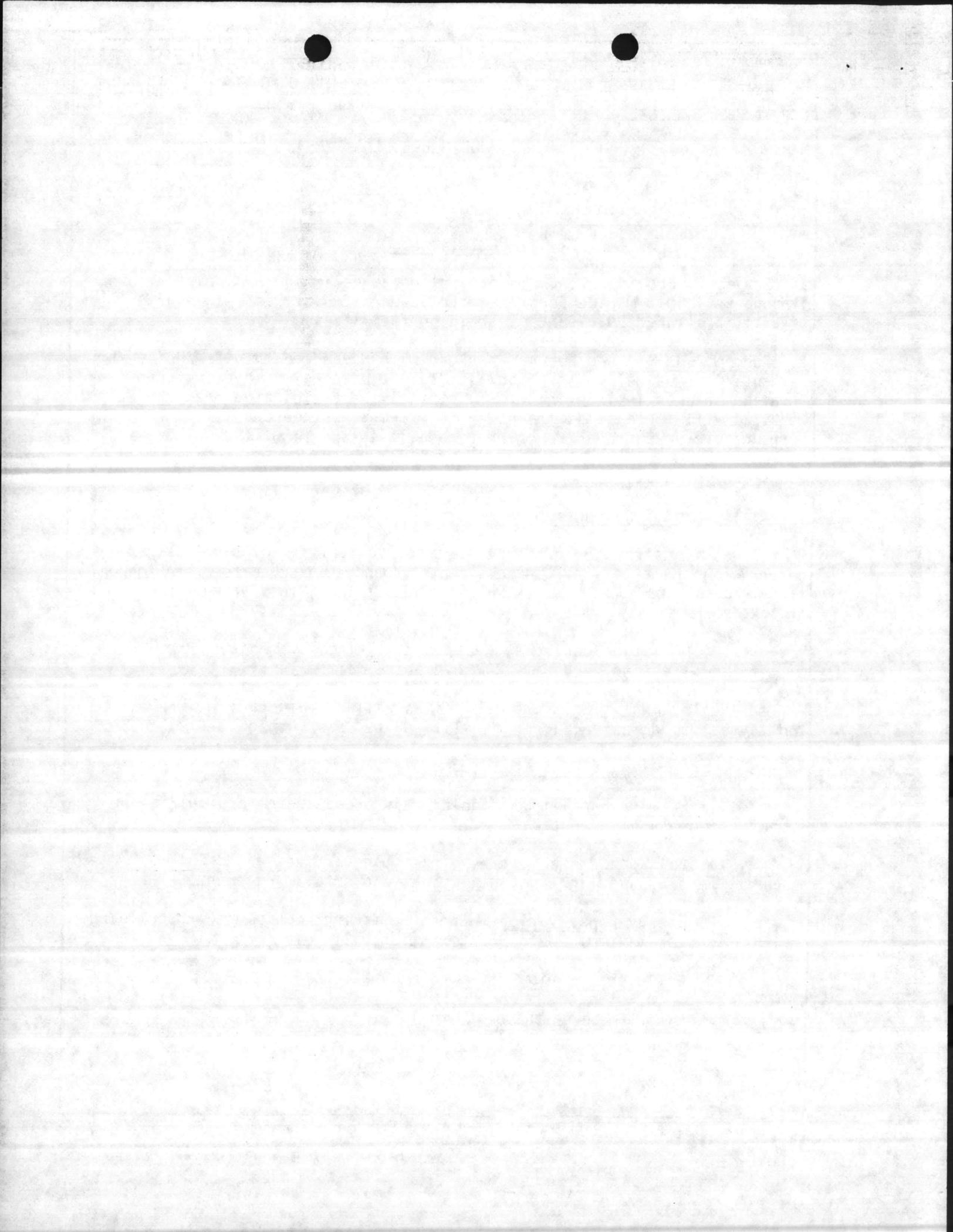
6. Use of Air Conditioning: Ceiling "U" factors will be made to conform with DOD 4270.1-M.

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



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<p style="text-align: center;"><u>FACILITY STUDY</u></p> <p>1. <u>Project.</u> 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.</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 concrete footings 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 concrete footings.</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></p> <p style="text-align: center;">(continued on the next page)</p>		



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4. PROJECT TITLE | MECHANICS TRAINING BUILDING | 5. PROJECT NUMBER | P-809

(3) COLLATERAL EQUIPMENT:

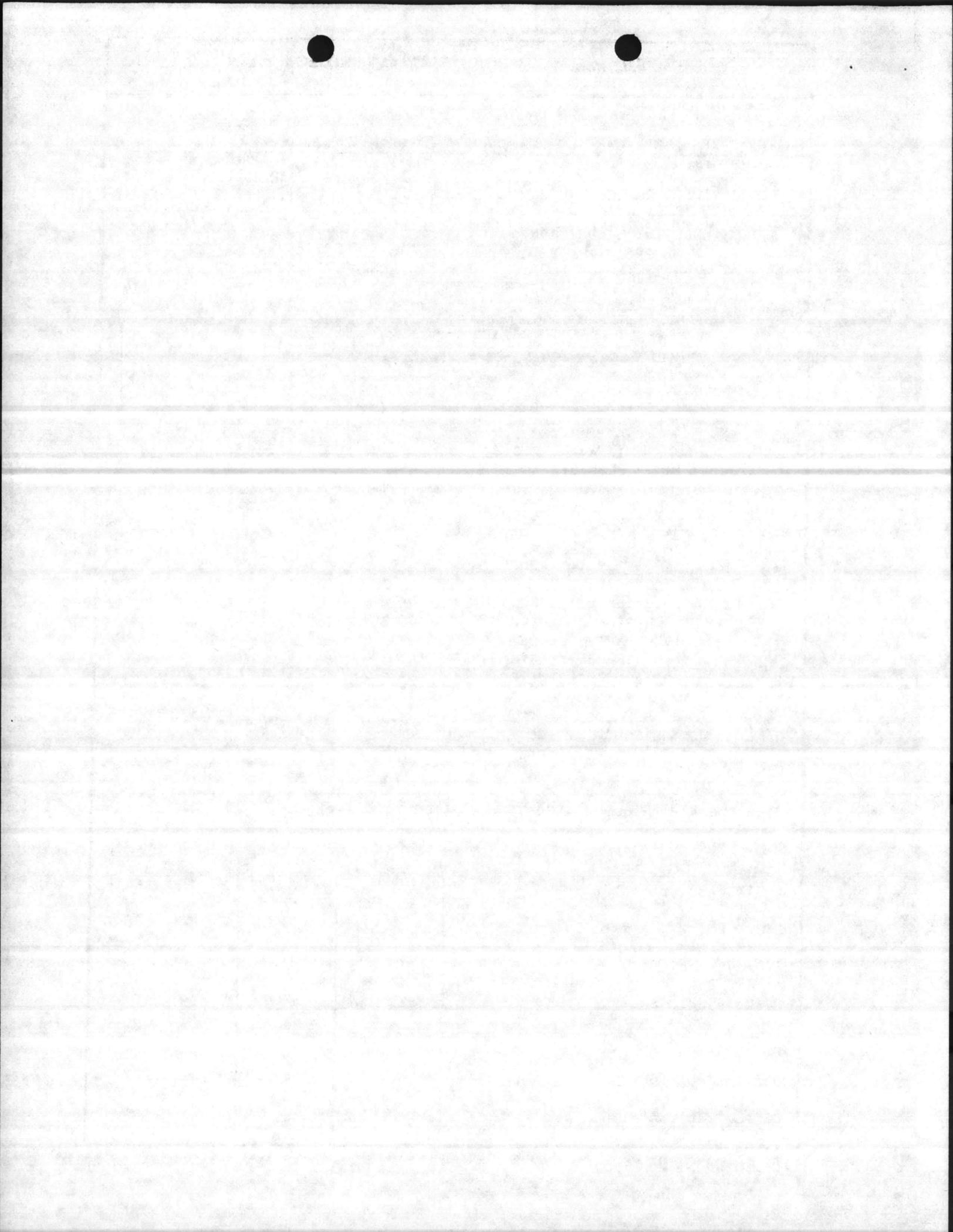
BUILT-IN EQUIPMENT TO BE MCON FUNDED:

- *Ceiling mounts for ITV monitors EA
- *Air Conditioning, Heating and Ventilation System SYS
- *Plumbing System & Steam System (interior) SYS
- *Sprinkler System SYS
- *Fire Alarm, Telephone and Inter-com Systems SYS
- *Drinking water coolers EA
- *Instructor Platforms for all lecture type classrooms (raised) EA
- *Public Address System, wireless microphones SYS
- *External storage of, and central supply system for fuel in engine laboratory EA
- *Venetian Blinds and window screens EA
- *Deep sinks/lavatories for all laboratory spaces EA
- *Exhaust gas removal system for all engine laboratories SYS
- *Tier Arrangement of seating in classrooms SYS
- *Monitor, ITV (ceiling mounted) EA
- *Wall to Wall carpeting SF

*Equipment with associated installation cost.

EXPENSE ITEMS:

Chalkboard, portable	2	EA	82.00	164
File Cabinet, 5 dwr	2	EA	129.02	258
Storage cabinet	20	EA	128.00	2,560
Desk, single ped	8	EA	262.00	2,096
Office Table, 36x24	84	EA	75.00	6,300
Office Table 60x30	60	EA	116.37	6,982
Office Table 45"x34"	6	EA	164.00	984



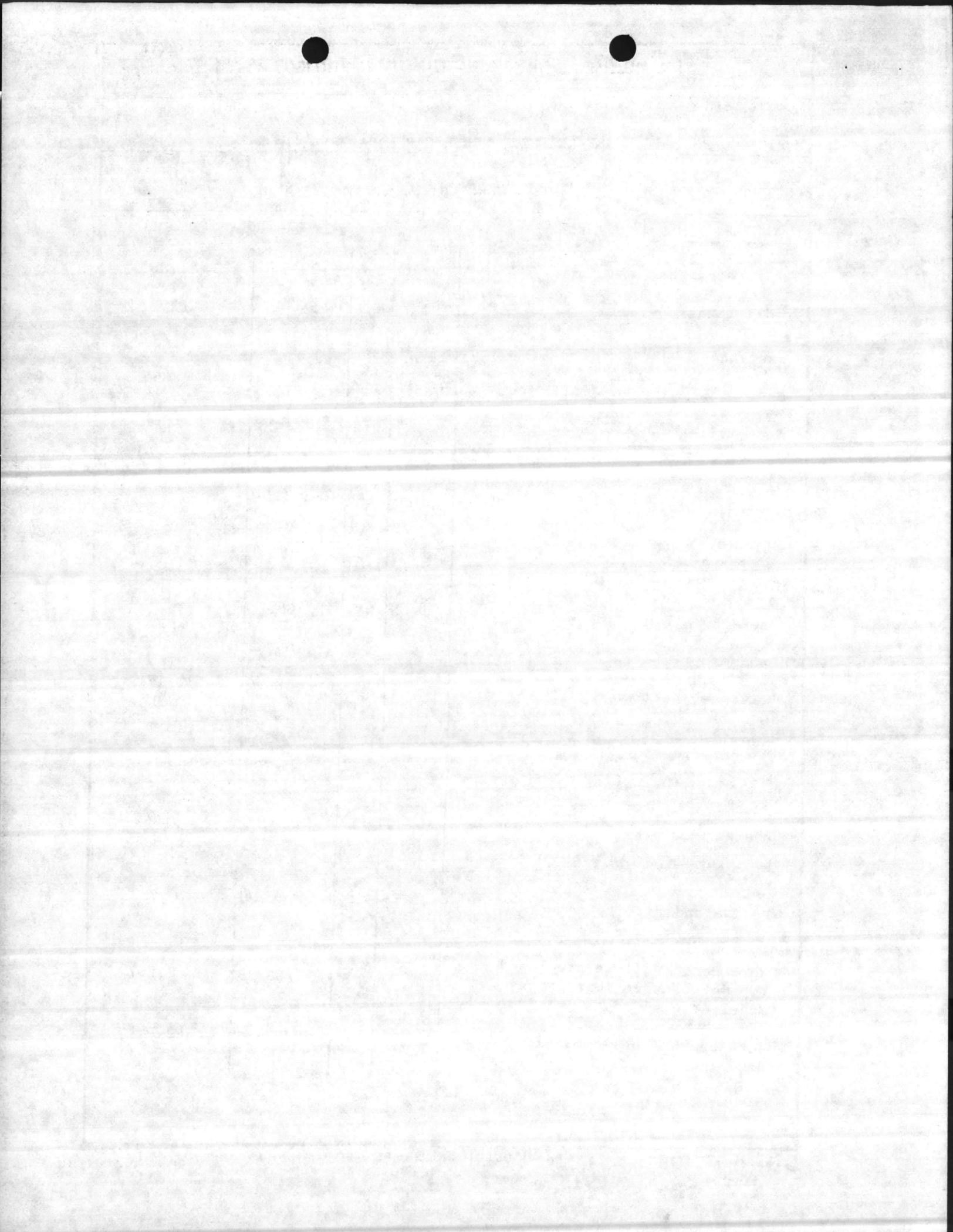
1. COMPONENT NAVY	FY 1977 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 Mar 85
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3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE MECHANICS TRAINING BUILDING (INCREMENT @)	5. PROJECT NUMBER P-809
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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
Jack Stands, 5 ton	112	EA	26.51	2,969
Jack, floor 10 ton	8	EA	915.00	7,320
Bulletin board	14	EA	7.95	111
Clock, wall electric	16	EA	9.40	150
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
Bookcase, base	2	EA	10.40	21
Bookcase, top	2	EA	5.60	11
Board, dry erase magnetic 96x48	12	EA	279.00	3,348
Lecternette, w/AC adapter	6	EA	97.50	585
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



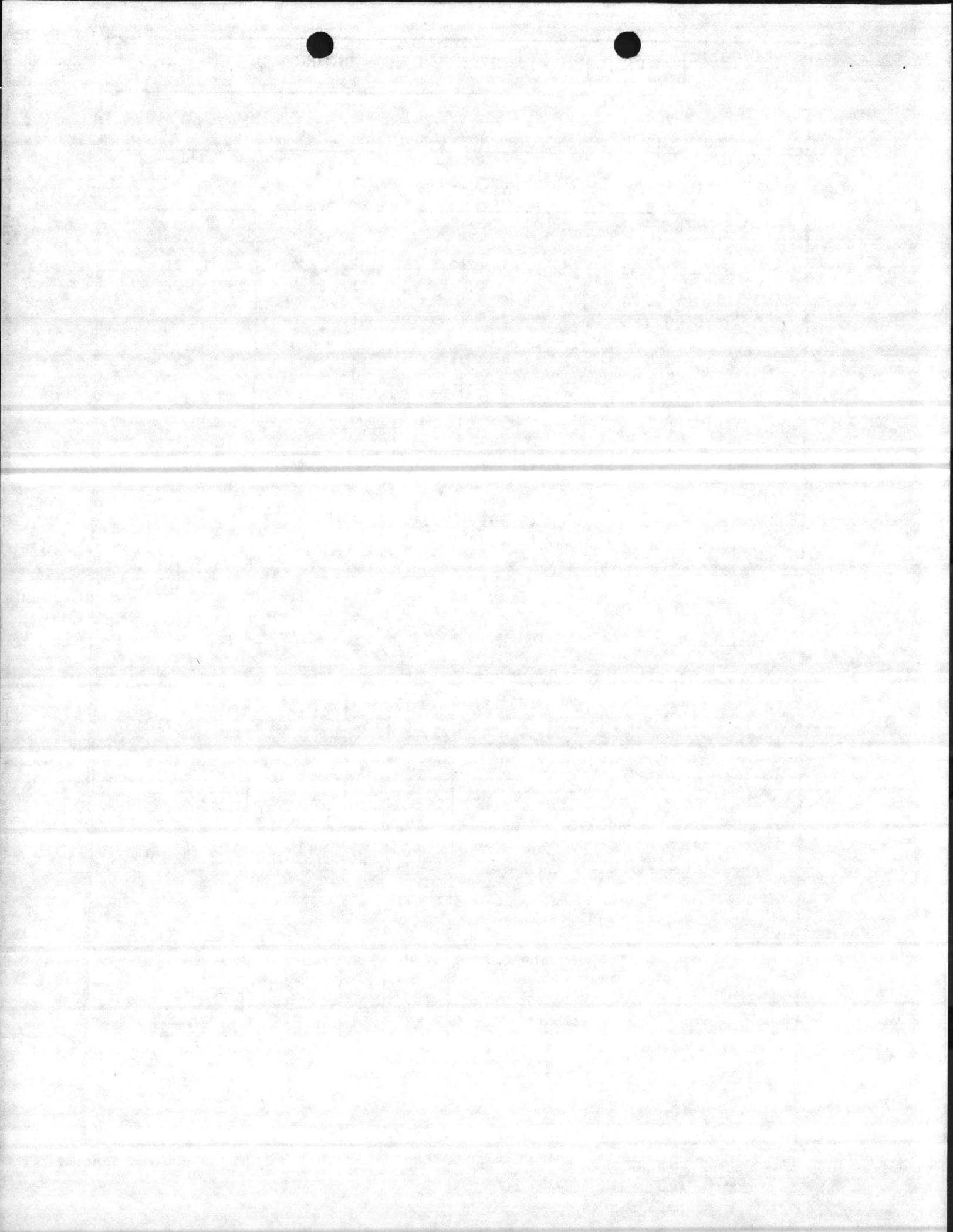
1. COMPONENT **NAVY** | **FY 19⁸⁷ MILITARY CONSTRUCTION PROJECT DATA** | 2. DATE **1 Mar 85**

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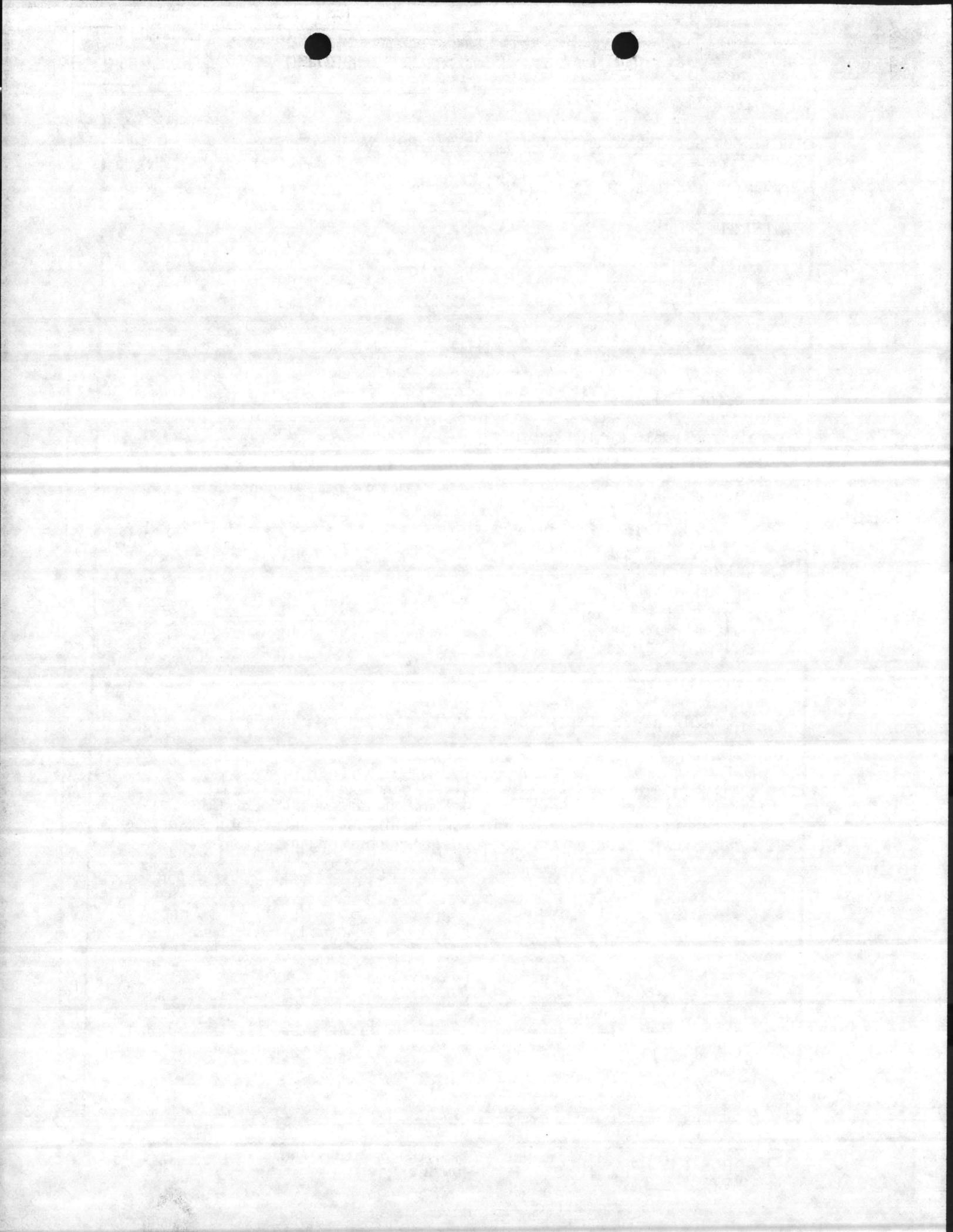
4. PROJECT TITLE **MECHANICS TRAINING BUILDING (INCREMENT 2)** | 5. PROJECT NUMBER **P-809**

EXPENSE ITEMS: (continued)

Shelving, heavy duty, industrial steel, open, 5 shelves high, 24" D x 48"W	10	EA	147.13	1,471
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 pg 153, 21 compartments	6	EA	69.96	210
TOTAL EXPENSE:				190,751



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4. PROJECT TITLE MECHANICS TRAINING BUILDING (INCREMENT 2)		5. PROJECT NUMBER P-809
INVESTMENT ITEMS:		
Simplified test equipment for internal combustion engines		
16	EA	3,695.00 59,120
5. <u>TRAINING EQUIPMENT (to be locally funded)</u>		
6	EA	65.00 390
6	EA	143.50 861
6	EA	366.00 2,196
6	EA	396.00 2,376
6	EA	996.00 5,976
8	EA	109.00 872
Total Training Equipment		12,671
6. SUMMARY:		
Total Expense Items	190,751	
Total Investment Items	59,120	
Total Training Equipment	12,671	
Accelerated to FY-87	227,279	
Beneficial Occupancy Date: April 1988		
<p>(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.</p>		



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4. PROJECT TITLE MECHANICS TRAINING BUILDING (INCREMENT 2)	5. PROJECT NUMBER P-809										
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-84 (DOD 4270.1-CG) to provide for this facility, escalated to FY-87.											
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, 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. <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 \$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.											
<u>UTILITY REQUIREMENTS</u>											
a. <u>Electricity:</u>											
<table style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding-right: 20px;">Consumption</td> <td style="border-bottom: 1px solid black;">121,881</td> <td style="padding-left: 20px;">KWH/yr</td> </tr> <tr> <td>Peak Demand</td> <td style="border-bottom: 1px solid black;">98</td> <td>KW</td> </tr> <tr> <td>Avg. Demand</td> <td style="border-bottom: 1px solid black;">70</td> <td>KW</td> </tr> </table>			Consumption	121,881	KWH/yr	Peak Demand	98	KW	Avg. Demand	70	KW
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1. COMPONENT NAVY	FY 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 Mar 85
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b. Steam:

Consumption	<u>39,213,357</u> lbs/yr
Demand	<u>6,300</u> 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. 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, 9 ton truck tractor, 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 and Service Areas:		<u>234</u> SF
GROSS SF:		2184 SF



INSTRUMENT



1. COMPONENT NAVY	FY 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 March 1985
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(2) Category Code 171-20:

	<u>SF EA</u>	<u>TOTAL SF</u>
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
Maneuvering Space 500 SF

TOTAL SF: 3035 SF

Laboratory: 3035 x 1 = 3035 SF
Support Space: 375 x 1 = 375 SF

NET SF: 3410 SF

Circulation & Service Areas:
(12%) 409 SF

GROSS SF: 3819 SF

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

(1) Category Code 171-10:

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

NET SF: 1950 SF

Circulation & Service Areas: 234 SF

GROSS SF: 2184 SF

1. COMPONENT NAVY	FY <u>87</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 Mar 85																																																			
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<p style="text-align: center;">(2) <u>Category Code 171-20:</u></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;"></th> <th style="width: 10%; text-align: center;">SF EA</th> <th style="width: 20%; text-align: center;">TOTAL SF</th> </tr> </thead> <tbody> <tr> <td>13 - 16 ton Transmissions</td> <td style="text-align: center;">60</td> <td style="text-align: center;">780 SF</td> </tr> <tr> <td>13 - 16 ton Transfers</td> <td style="text-align: center;">60</td> <td style="text-align: center;">780 SF</td> </tr> <tr> <td>13 - 16 ton Axle Assemblies</td> <td style="text-align: center;">60</td> <td style="text-align: center;">780 SF</td> </tr> <tr> <td>13 - 16 ton Steering Gear Assy</td> <td style="text-align: center;">35</td> <td style="text-align: center;">455 SF</td> </tr> <tr> <td>Material Handling Equipment Maneuvering Space</td> <td></td> <td style="text-align: center;"><u>500 SF</u></td> </tr> <tr> <td>TOTAL SF:</td> <td></td> <td style="text-align: center;">3295 SF</td> </tr> <tr> <td>Laboratory:</td> <td style="text-align: center;">3295 x 1 =</td> <td style="text-align: center;">3295 SF</td> </tr> <tr> <td>Support Space:</td> <td style="text-align: center;">375 x 1 =</td> <td style="text-align: center;"><u>375 SF</u></td> </tr> <tr> <td>NET SF:</td> <td></td> <td style="text-align: center;">3670 SF</td> </tr> <tr> <td>Circulation & Service Areas: (12%)</td> <td></td> <td style="text-align: center;"><u>440 SF</u></td> </tr> <tr> <td>GROSS SF:</td> <td></td> <td style="text-align: center;">4110 SF</td> </tr> </tbody> </table> <p style="margin-left: 40px;">c. <u>Automotive Intermediate Maintenance Course</u>, 9 ton truck tractor, 26 student stations.</p> <p style="text-align: center;">(1) <u>Category Code 171-10:</u></p> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 60%;">Classroom:</td> <td style="width: 10%; text-align: center;">45 x 26 =</td> <td style="width: 30%; text-align: center;">1170 SF</td> </tr> <tr> <td>Support Space:</td> <td style="text-align: center;">30 x 26 =</td> <td style="text-align: center;"><u>780 SF</u></td> </tr> <tr> <td>NET SF:</td> <td></td> <td style="text-align: center;">1950 SF</td> </tr> <tr> <td>Circulation & Service Areas:</td> <td></td> <td style="text-align: center;"><u>234 SF</u></td> </tr> <tr> <td>GROSS SF:</td> <td></td> <td style="text-align: center;">2184 SF</td> </tr> </tbody> </table>				SF EA	TOTAL SF	13 - 16 ton Transmissions	60	780 SF	13 - 16 ton Transfers	60	780 SF	13 - 16 ton Axle Assemblies	60	780 SF	13 - 16 ton Steering Gear Assy	35	455 SF	Material Handling Equipment Maneuvering Space		<u>500 SF</u>	TOTAL SF:		3295 SF	Laboratory:	3295 x 1 =	3295 SF	Support Space:	375 x 1 =	<u>375 SF</u>	NET SF:		3670 SF	Circulation & Service Areas: (12%)		<u>440 SF</u>	GROSS SF:		4110 SF	Classroom:	45 x 26 =	1170 SF	Support Space:	30 x 26 =	<u>780 SF</u>	NET SF:		1950 SF	Circulation & Service Areas:		<u>234 SF</u>	GROSS SF:		2184 SF
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1. COMPONENT NAVY	FY 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 Mar 85
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(2) Category Code 171-20:

13 Operational diesel engines - 9 ton truck tractor
26 Student stations

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

NET SF: 2325 SF

Circulation & Service Areas: 279 SF

GROSS SF: 2604 SF

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

(1) Category Code 171-10:

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

NET SF: 1950 SF

Circulation & Service Areas: 234 SF

GROSS SF: 2184 SF

(2) Category Code 171-20:

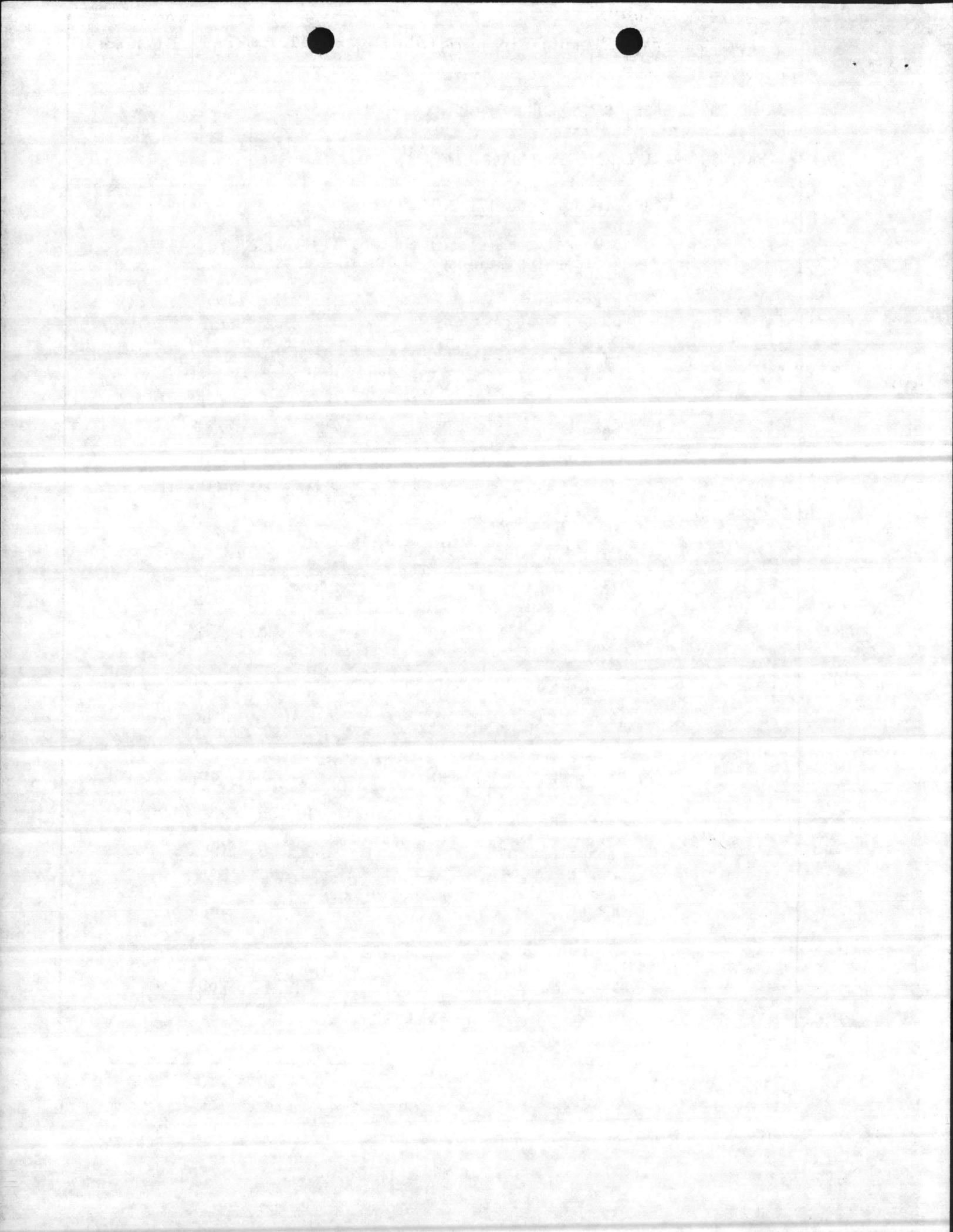
13 Operational diesel engines - 16 ton truck tractor

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

NET SF: 2325 SF

Circulation & Service Areas: 279 SF

GROSS SF: 2604 SF



1. COMPONENT NAVY	FY 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 Mar 85
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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
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e. Automotive Organizational Maintenance Course, 16 ton tractor module, 40 student stations.

(1) Category Code 171-10:

Classroom:	20 x 40 =	800 SF
Support Space:	2.25 x 800 =	1800 SF
NET SF:		2600 SF
Circulation & Service Areas: (12%)		312 SF
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 x 8 =	8448 SF
Support Space:	480 x 1 =	480 SF
NET SF:		8928 SF
Circulation & Service Areas: (12%)		1071 SF
GROSS SF:		9999 SF

f. Automotive Organizational Maintenance Course, 9 ton truck tractor, 40 student stations.

(1) Category Code 171-10:

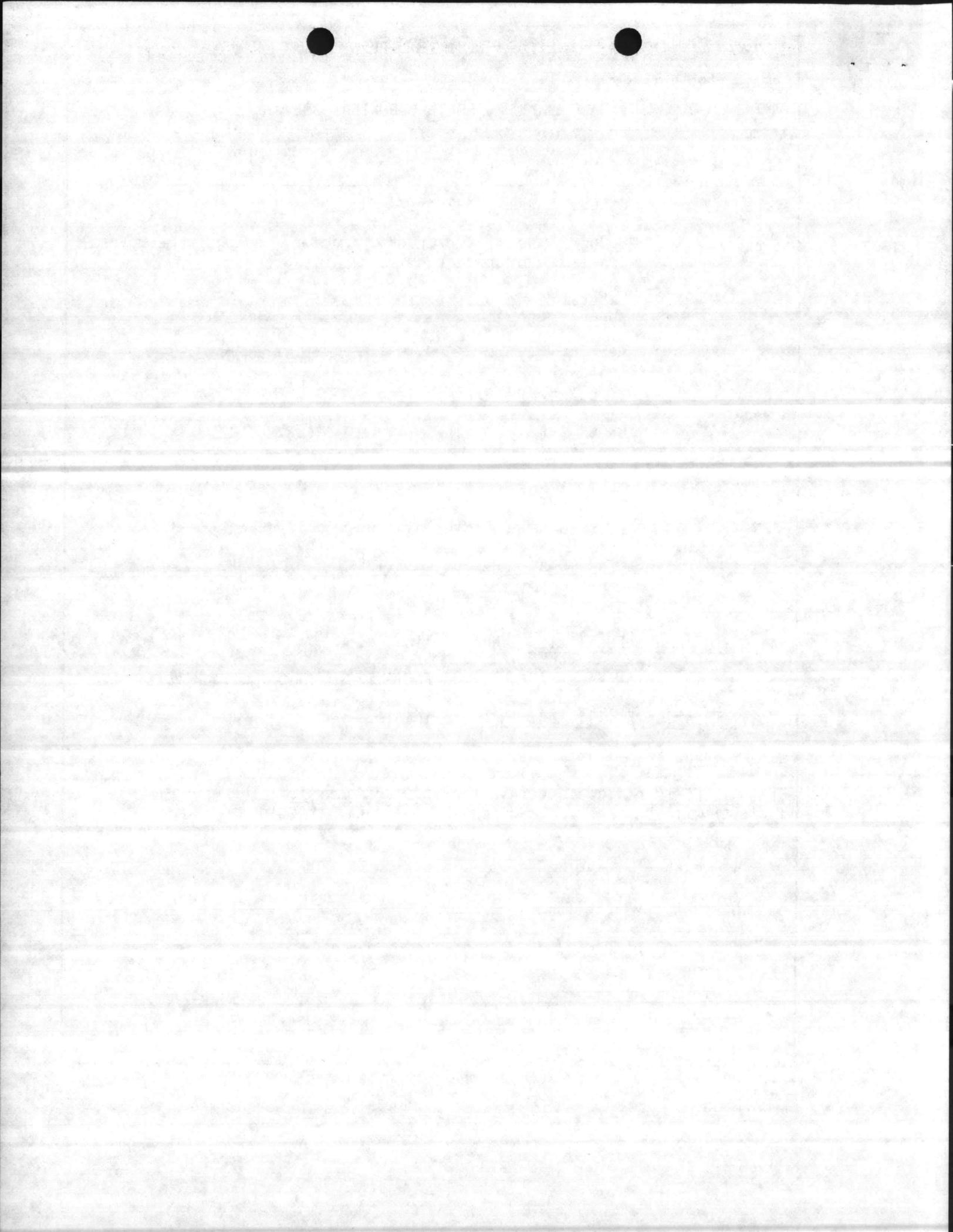
Classroom:	20 x 40 =	800 SF
Support Space:	2.25 x 800 =	1800 SF
NET SF:		2600 SF
Circulation & Service Areas (12%)		312 SF
GROSS SF:		2912 SF

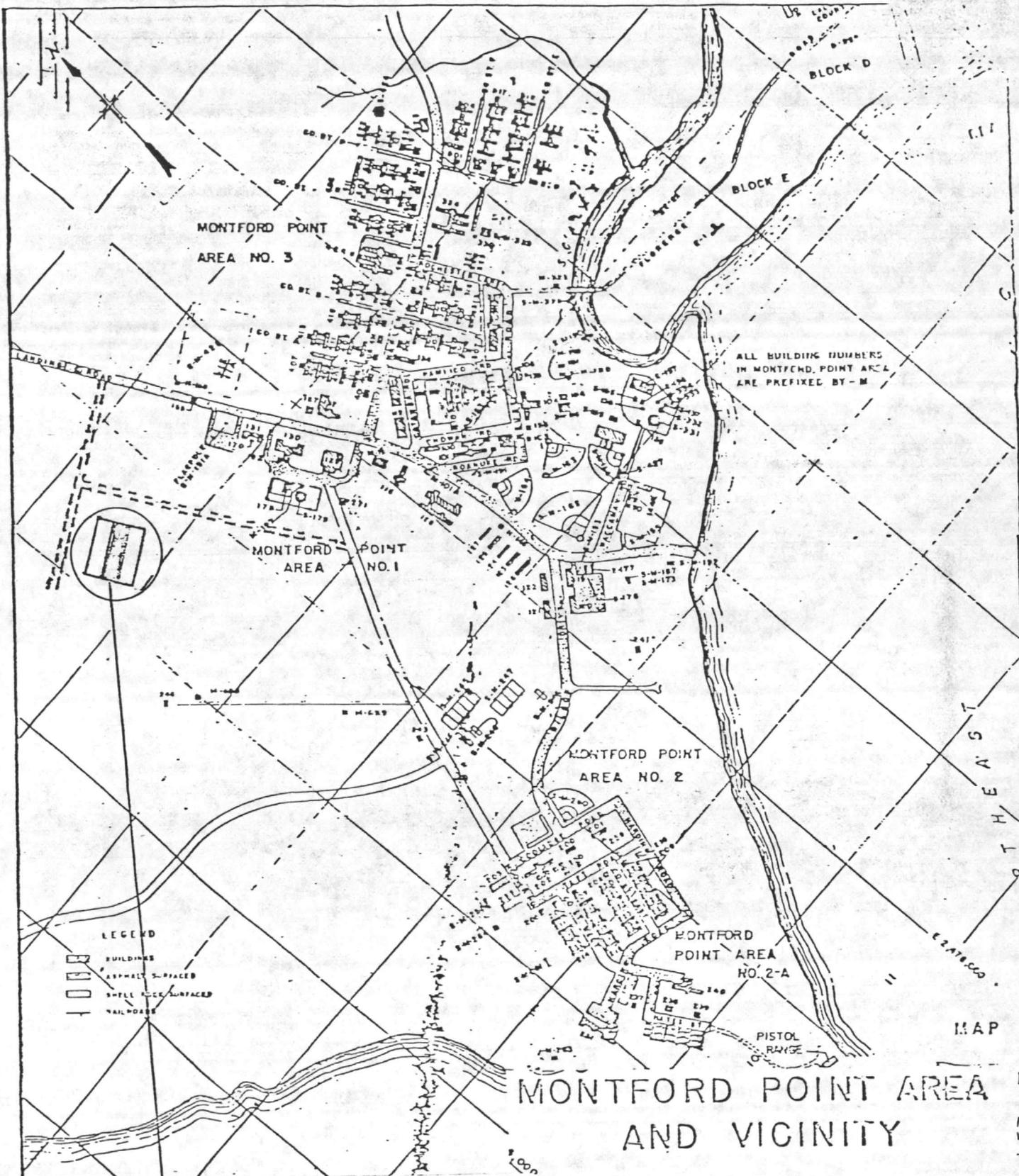


UNCLASSIFIED



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4. PROJECT TITLE MECHANICS TRAINING BUILDING (INCREMENT 2)	5. PROJECT NUMBER P-809	
<p>(2) <u>Category Code 171-20:</u></p> <p>8 Operational 9 ton trucks, tractor (medium prime movers) Approx floor space required: 1056 SF each.</p> <p>Laboratory: 1056 x 8 = 8448 SF Support Space: 480 x 1 = 480 SF</p> <p>NET SF: 8928 SF</p> <p>Circulation & Service Areas (12%) 1071 SF</p> <p>GROSS SF: 9999 SF</p> <p>g. <u>SUMMARY:</u></p> <p>TOTAL ACADEMIC: 14,560 SF TOTAL APPLIED: 33,135 SF 47,695 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> The proposed facility will be a Motor Transport School facility. The following potential hazardous conditions will be considered during the design phase:</p> <p>a. Exhaust fumes.</p> <p>b. Battery acid fumes.</p> <p>c. Gasoline/diesel fumes.</p>		



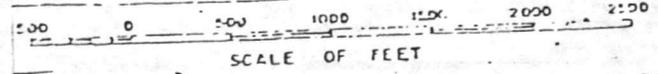


SITE LOCATION MAP

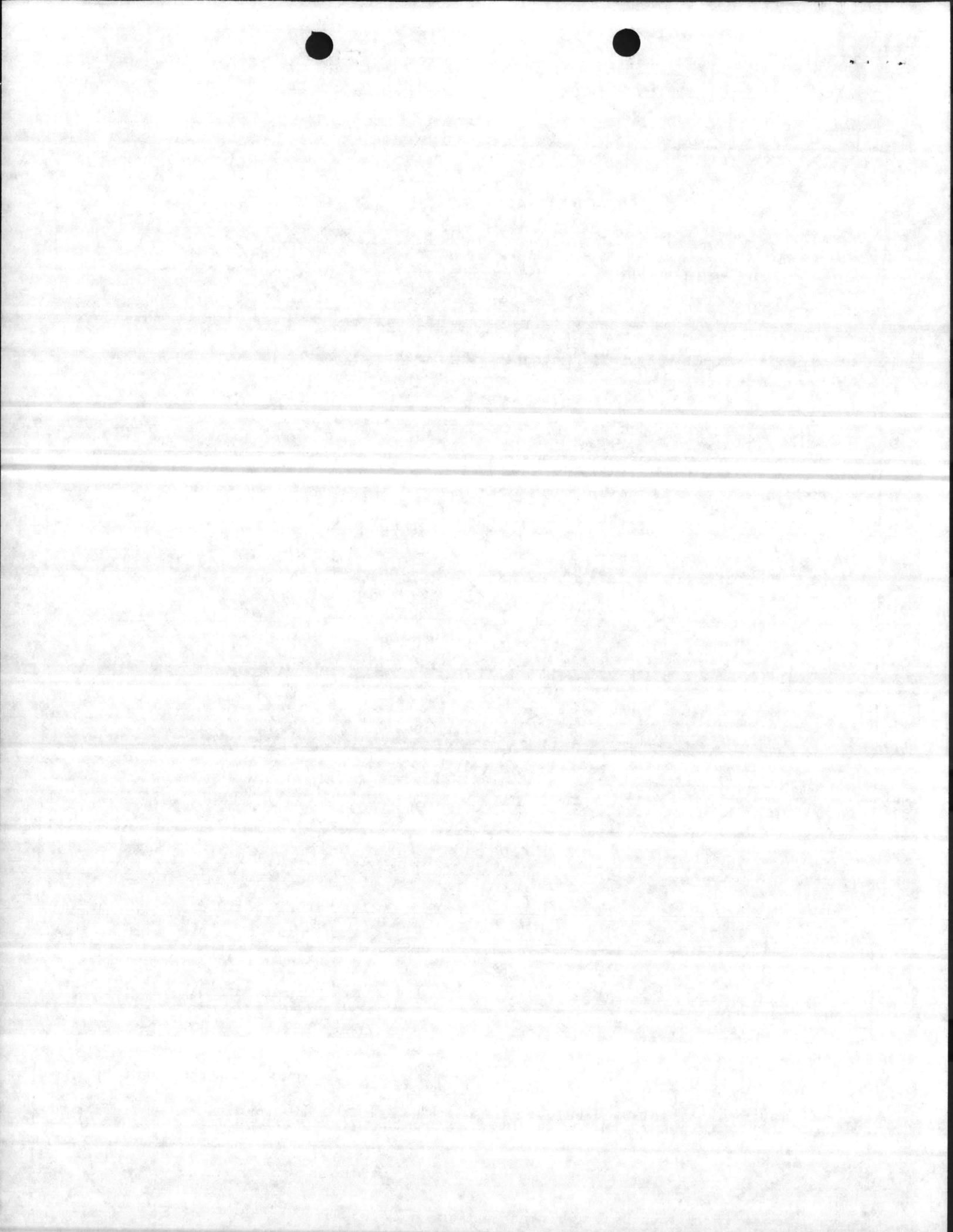
P-809

CAMP LEJEUNE, NORTH CAROLINA

MECHANICS TRAINING BUILDING
(INCREMENT 2)



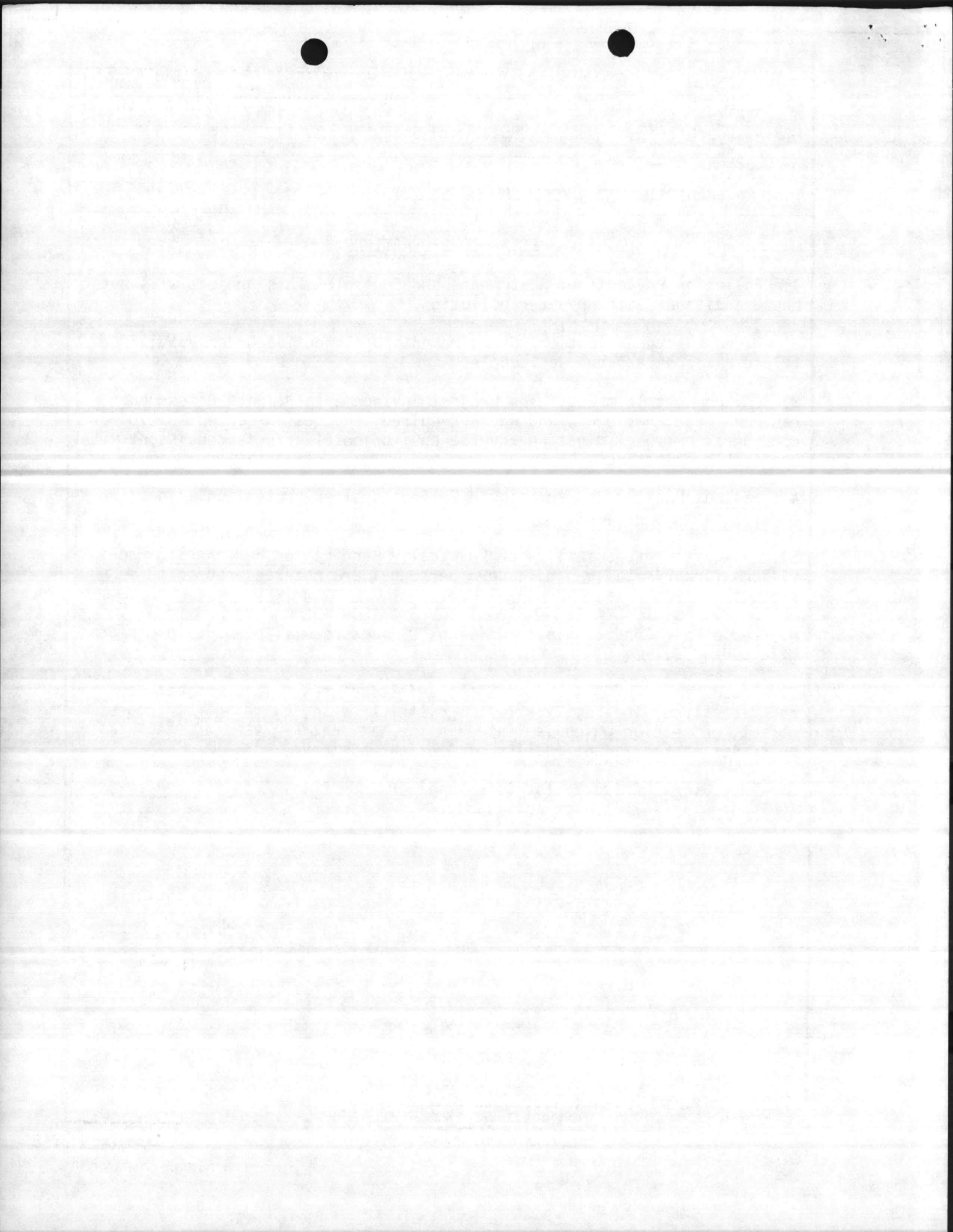
JUNE 30, 1950



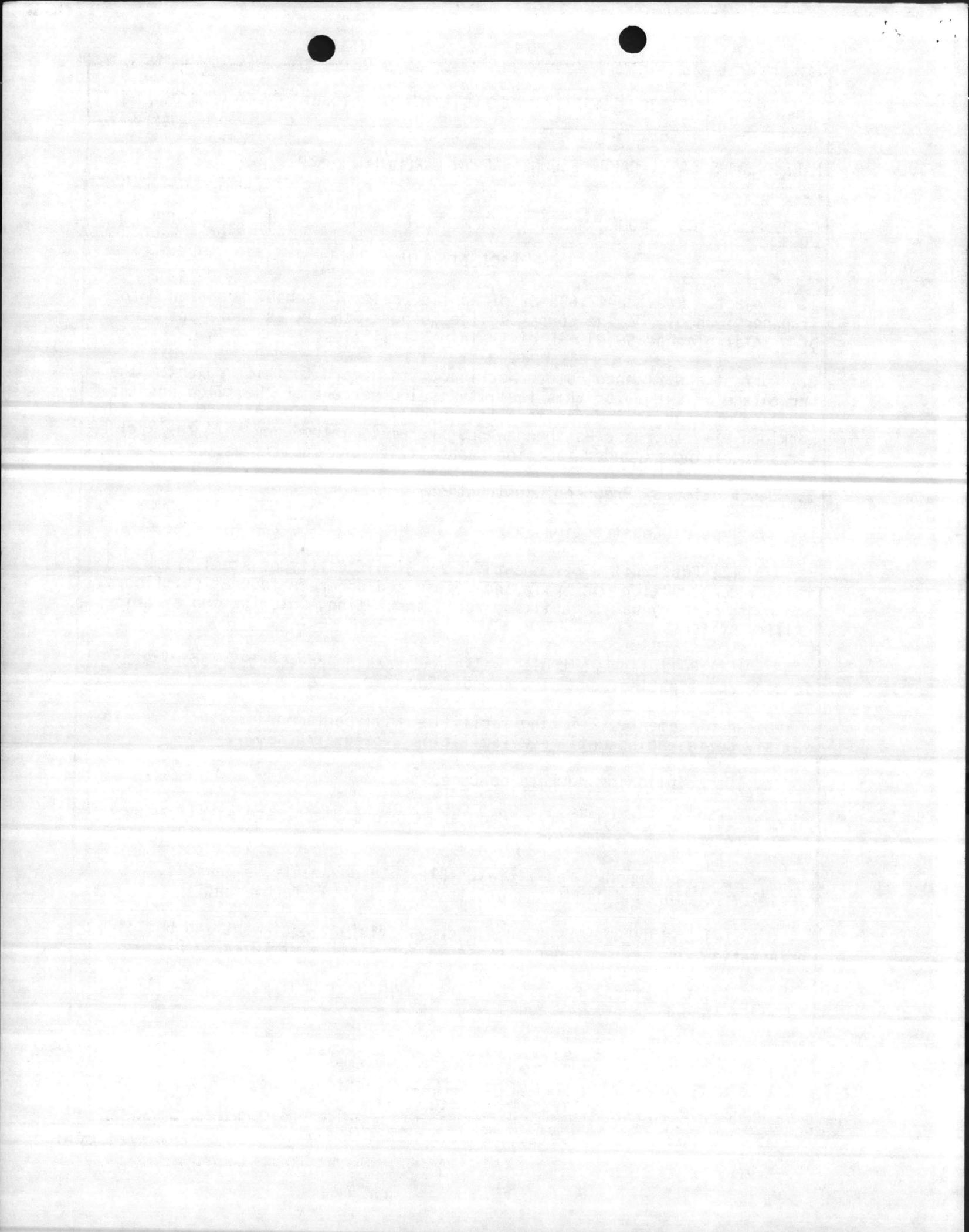
1. COMPONENT NAVY		FY 19 ⁸⁷ MILITARY CONSTRUCTION PROJECT DATA			2. DATE 15 Jun 84		
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA 28542				4. PROJECT TITLE OF-35 MECHANICS SCHOOL, MCSSS (INCREMENT 2)			
5. PROGRAM ELEMENT		6. CATEGORY CODE 171-20	7. PROJECT NUMBER P-809		8. PROJECT COST (\$000) 6,700		
ESCALATED TO APRIL 1987 9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$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	-	-	752
PAVEMENTS, RIGID AND FLEXIBLE				LS	-	-	(320)
SECURITY LIGHTING, FENCING, UTILITIES, AND SITE IMPROVEMENT				LS	-	-	(432)
SUBTOTAL				LS	-	-	5,769
CONTINGENCY - 10%				LS	-	-	576
TOTAL CONTRACT COST				LS	-	-	6,345
SUPERVISION, INSPECTION, & OVERHEAD - 5.5%				LS	-	-	349
TOTAL REQUEST (ROUNDED)				LS	-	-	6,700
INSTALLED EQUIP - OTHER APPROPRIATIONS				-	-	-	-
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.							
BJD							



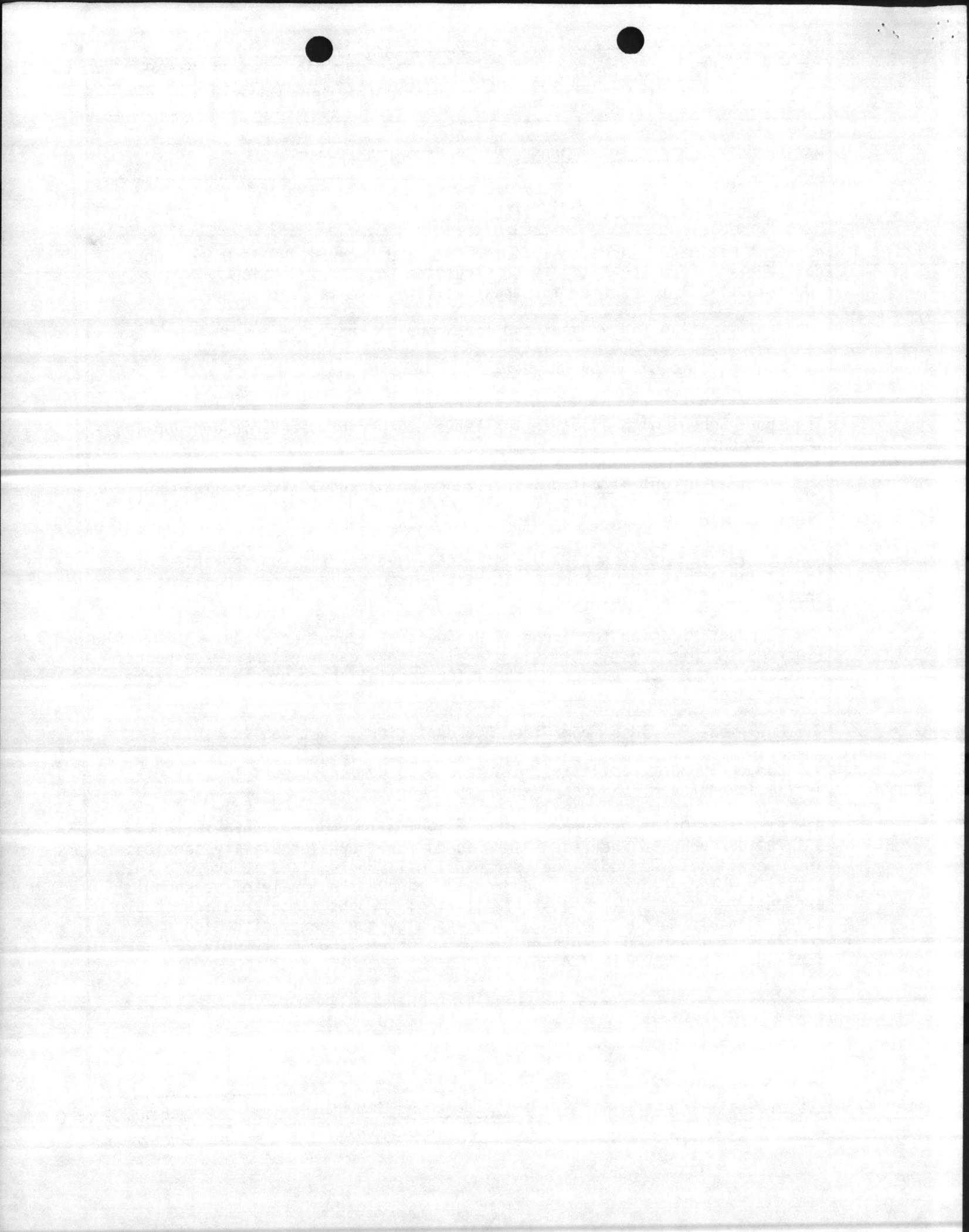
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<p style="text-align: center;"><u>SPECIAL CONSIDERATIONS</u></p> <ol style="list-style-type: none"> 1. <u>Pollution Prevention, Abatement, and Control</u>: This project will not cause additional air or water pollution. 2. <u>Flood Hazard Evaluation</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 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. 		



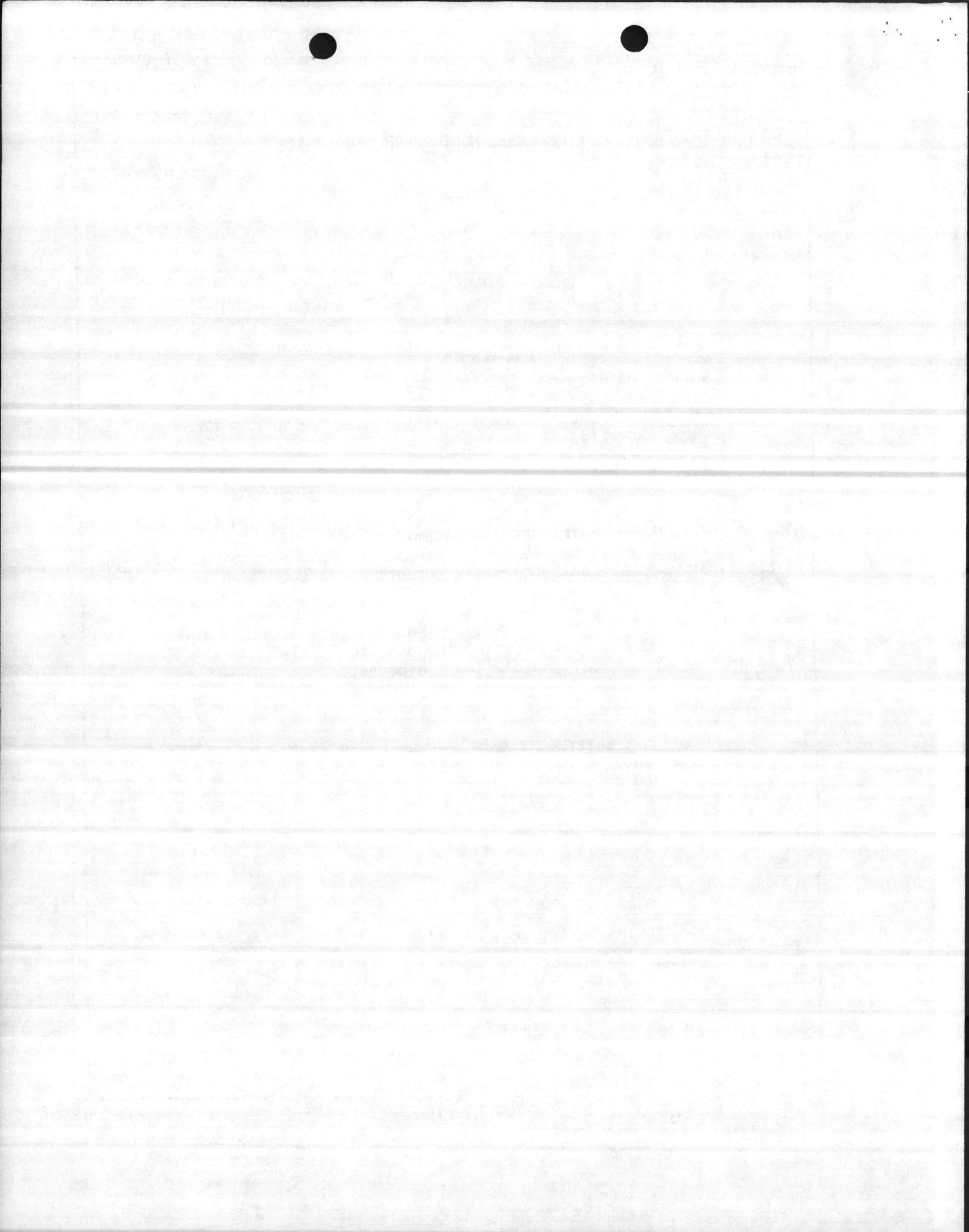
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<p><u>FACILITY STUDY</u></p> <p>1. <u>Project.</u> Provide 47,695 SF of applied/academic school area for Motor Transport School, Marine Corps Service Support School, as Increment 2 of a total planned 99,079 SF of training facilities.</p> <p>2. <u>Current 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: 2em;">a. <u>Type of Construction.</u></p> <p style="padding-left: 4em;">(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: 4em;">(2) Pollution controls, walks and parking pavements, security fencing and lighting, and site improvements.</p> <p style="padding-left: 2em;">b. <u>Replacement.</u> 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/steel/masonry structure on pile foundation.</p> <p style="padding-left: 6em;">(a) <u>Support Facilities.</u> Flexible pavements, sidewalks, 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> The collateral equipment list will be submitted under separate cover.</p> <p style="padding-left: 4em;">(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>		



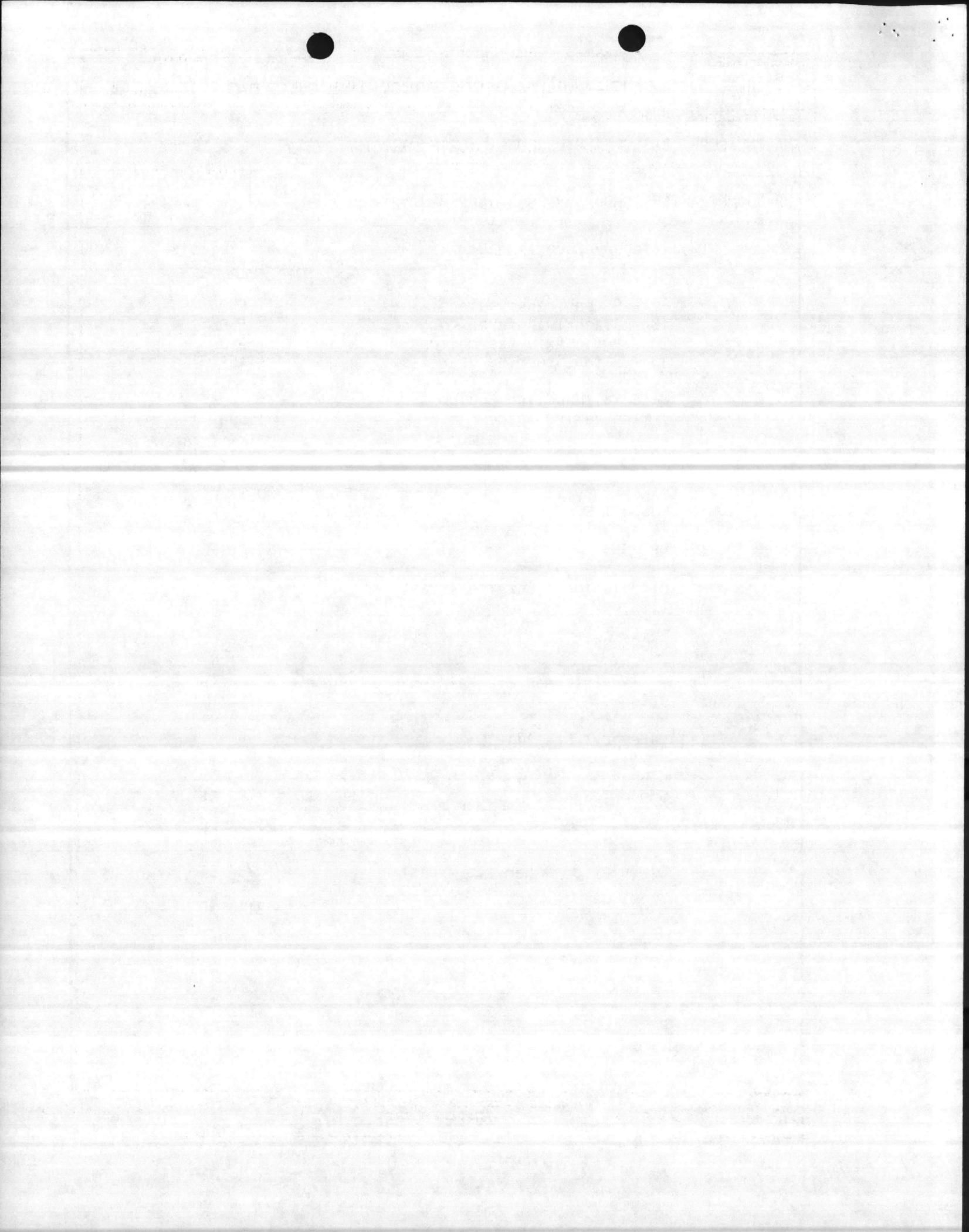
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4. <u>Cost Estimate.</u> Area cost factor for Camp Lejeune, NC is 0.95. Cost data derived from the Military Construction Cost Review Guide, FY-84 (DOD 4270.1-CG) to provide for this facility, escalated to FY-87.											
5. <u>Justification for Project 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, 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. <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 \$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.											
<u>UTILITY REQUIREMENTS</u>											
a. <u>Electricity:</u>											
<table style="margin-left: auto; margin-right: auto;"> <tr> <td>Consumption</td> <td>121,881</td> <td>KWH/yr</td> </tr> <tr> <td>Peak Demand</td> <td>98</td> <td>KW</td> </tr> <tr> <td>Avg. Demand</td> <td>70</td> <td>KW</td> </tr> </table>			Consumption	121,881	KWH/yr	Peak Demand	98	KW	Avg. Demand	70	KW
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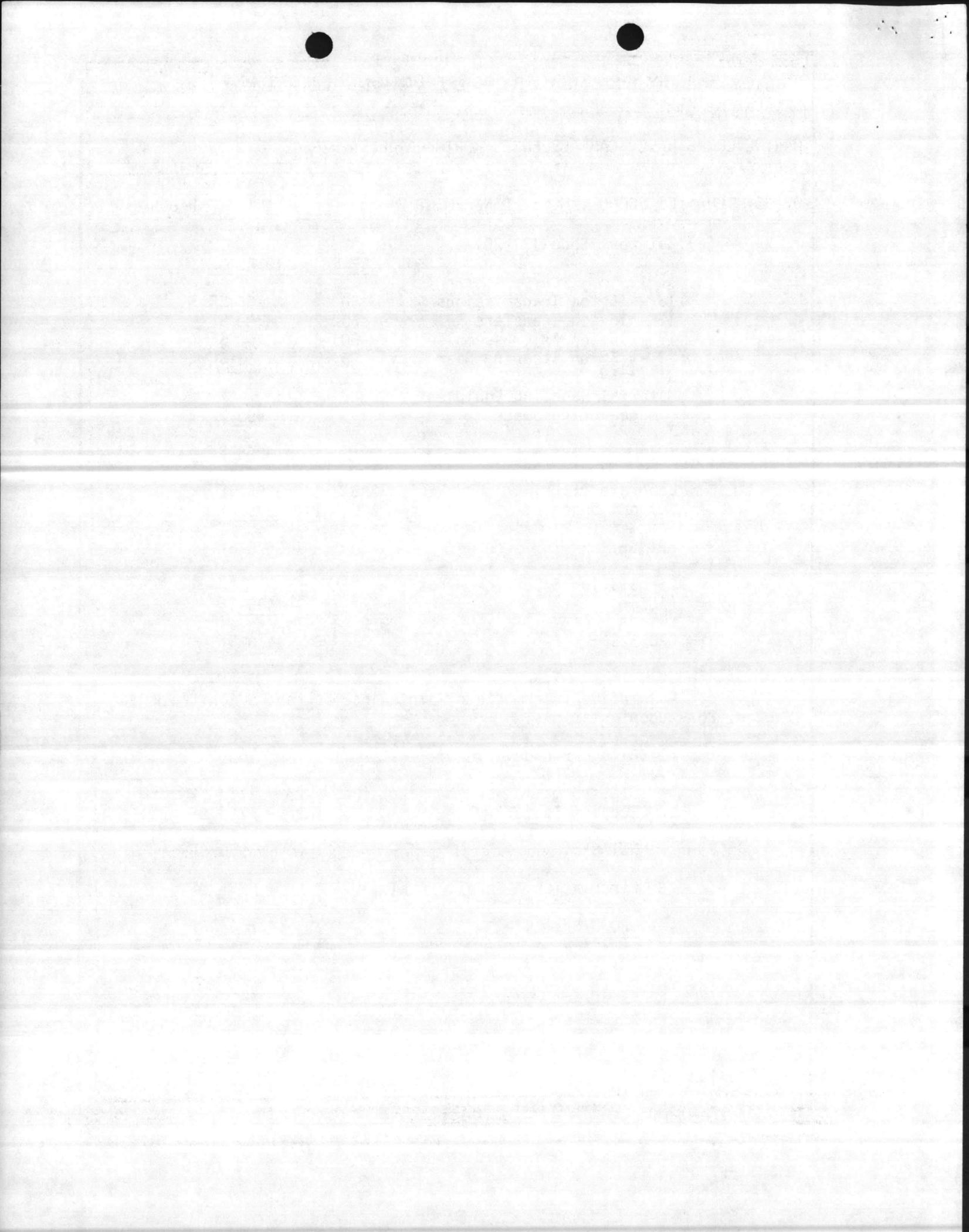
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<p>b. Steam:</p> <table style="margin-left: 100px;"> <tr> <td>Consumption</td> <td><u>39,213,357</u> lbs/yr</td> </tr> <tr> <td>Demand</td> <td><u>6,300</u> lbs/yr</td> </tr> </table> <p>c. Coal: <u>688</u> tons/yr</p> <p>d. Adequate utility requirements are available.</p> <p>9. <u>Siting of the Project.</u> The facility is located in the Montford Point area. See enclosure (1).</p> <p>10. <u>Other Graphic Presentations, including Photographs.</u> None.</p> <p>11. <u>Economic Analysis.</u> 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.</p> <p>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.</p> <p>13. <u>Quantitative Data.</u></p> <p>a. <u>Automotive Intermediate Maintenance Course, 9 ton truck tractor, 26 student stations.</u></p> <p>(1) <u>Category Code 171-10:</u></p> <table style="margin-left: 100px;"> <tr> <td>Classroom:</td> <td>45 x 26 = 1170 SF</td> </tr> <tr> <td>Support Space:</td> <td>30 x 26 = <u>780</u> SF</td> </tr> <tr> <td>NET SF:</td> <td>1950 SF</td> </tr> <tr> <td>Circulation and Service Areas:</td> <td><u>234</u> SF</td> </tr> <tr> <td>GROSS SF:</td> <td>2184 SF</td> </tr> </table>			Consumption	<u>39,213,357</u> lbs/yr	Demand	<u>6,300</u> lbs/yr	Classroom:	45 x 26 = 1170 SF	Support Space:	30 x 26 = <u>780</u> SF	NET SF:	1950 SF	Circulation and Service Areas:	<u>234</u> SF	GROSS SF:	2184 SF
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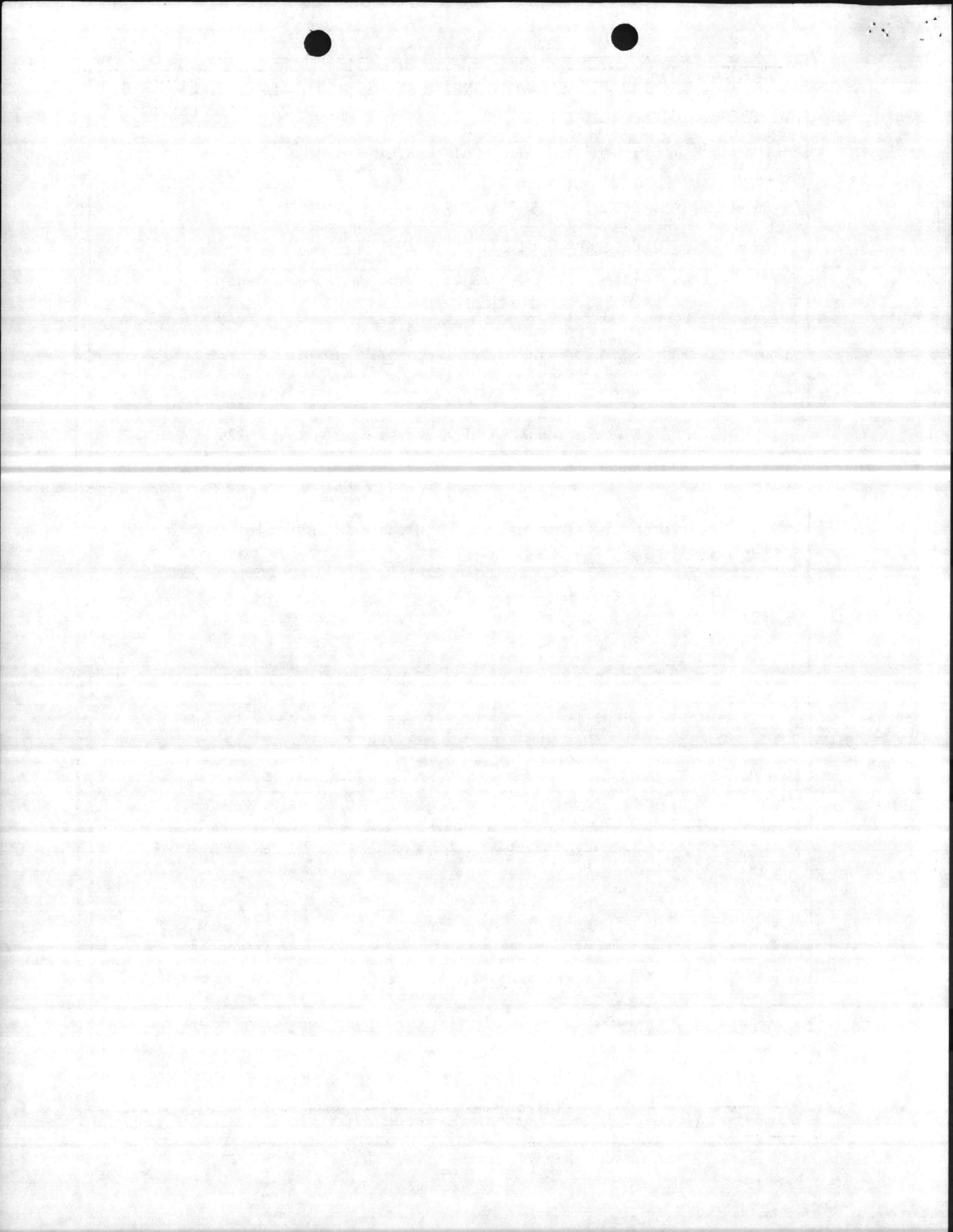
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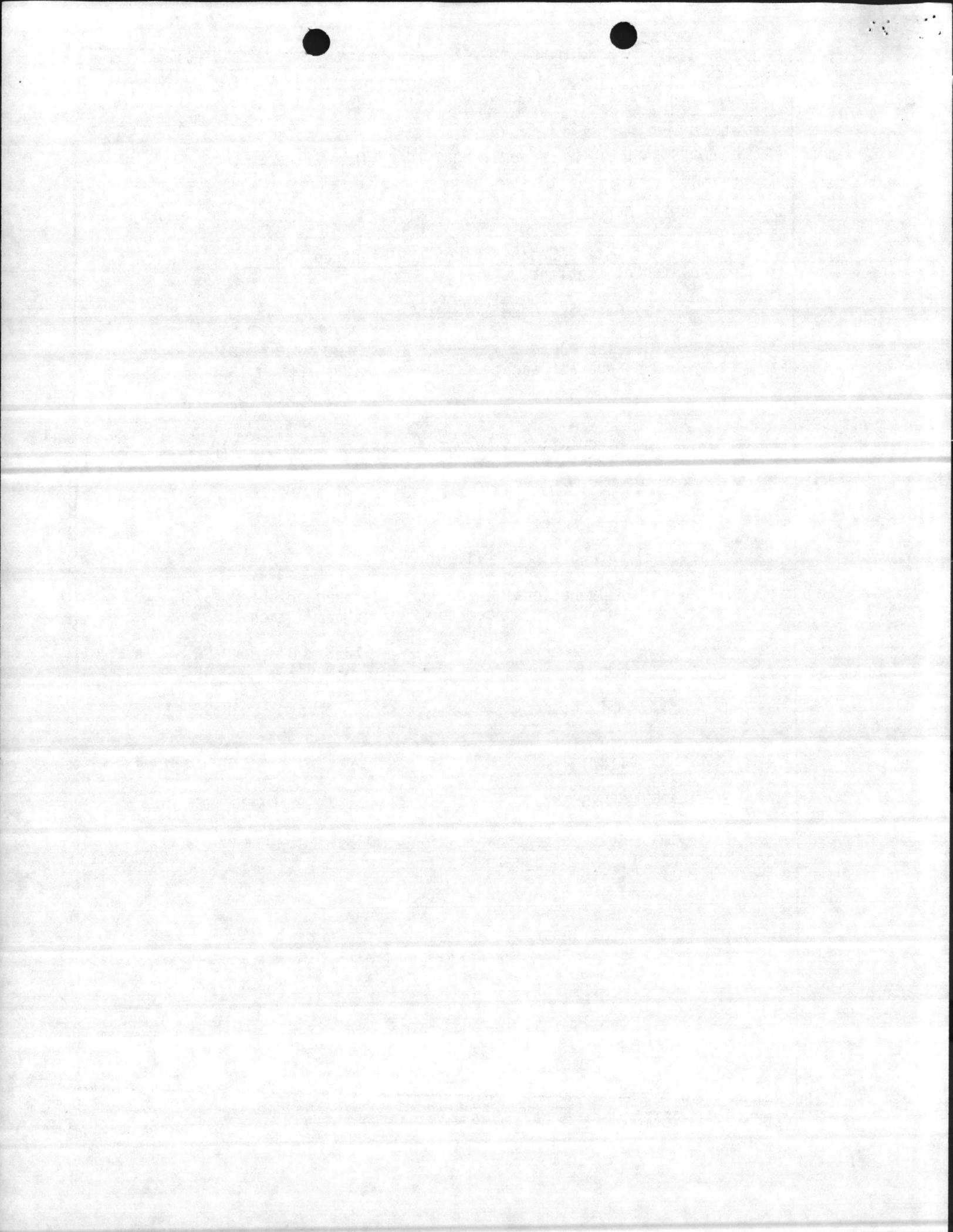
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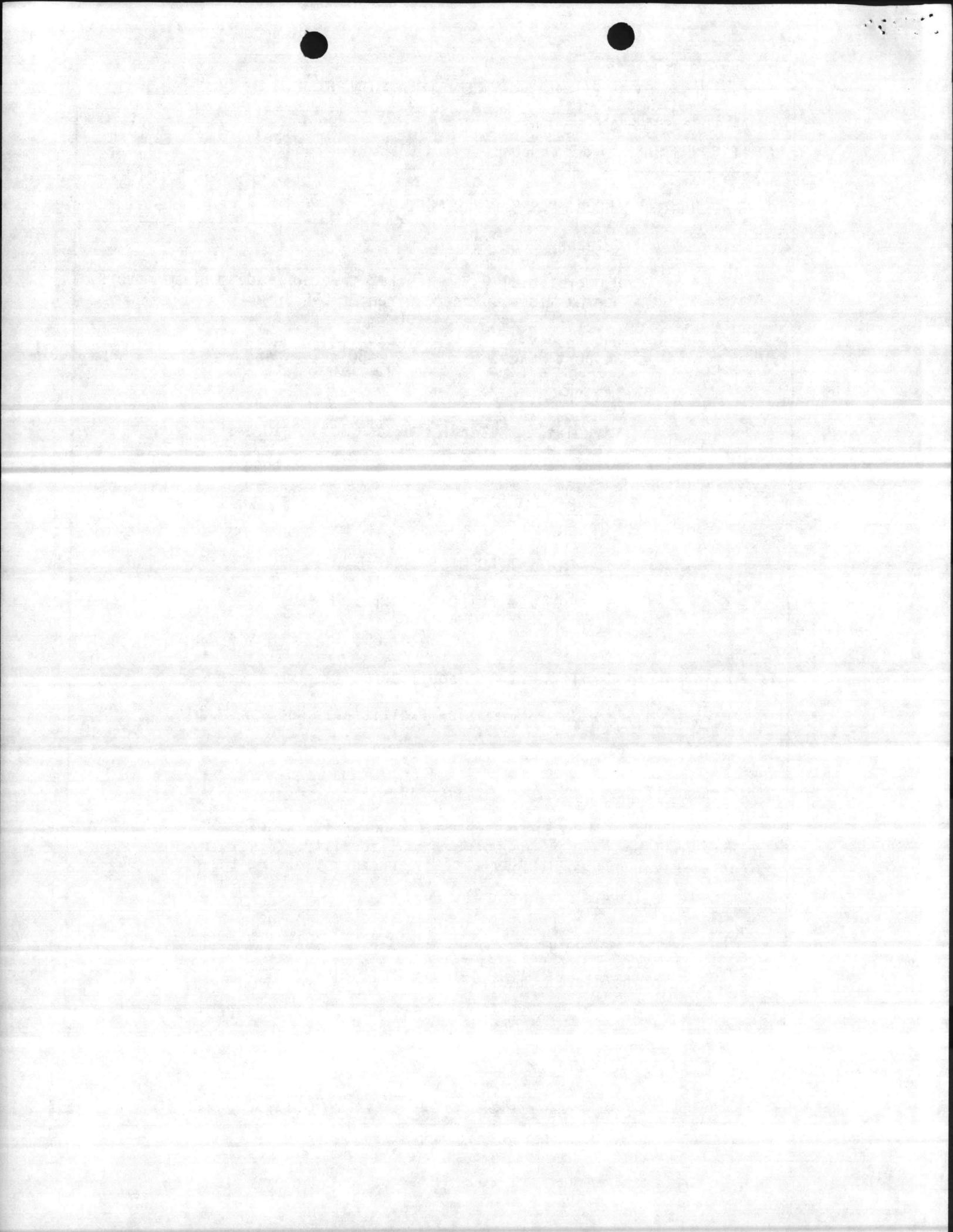
1. COMPONENT NAVY	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 15 Jun 84
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE OF-35 MECHANICS SCHOOL, MCSSS (INCREMENT 2)	5. PROJECT NUMBER P-809	
<p>(2) <u>Category Code 171-20:</u></p> <p>13 Operational diesel engines - 9 ton truck tractor 26 Student stations</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>d. <u>Automotive Intermediate Maintenance Course</u>, 16 ton truck tractor, 26 student stations.</p> <p>(1) <u>Category Code 171-10:</u></p> <p>Classroom: 45 x 26 = 1170 SF Support Space: 30 x 26 = <u>780</u> SF</p> <p>NET SF: 1950 SF</p> <p>Circulation & Service Areas: <u>234</u> SF</p> <p>GROSS SF: 2184 SF</p> <p>(2) <u>Category Code 171-20:</u></p> <p>13 Operational diesel engines - 16 ton truck tractor</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>		



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<p>e. <u>Automotive Organizational Maintenance Course</u>, 16 ton tractor module, 40 student stations.</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: <u>312</u> SF (12%)</p> <p>GROSS SF: 2912 SF</p> <p>(2) <u>Category Code 171-20:</u></p> <p>8 Operational 16 ton trucks, tractor (heavy prime movers). Appx floor space required: 1056 SF each.</p> <p>Laboratory: 1056 x 8 = 8448 SF Support Space: 480 x 1 = <u>480</u> SF</p> <p>NET SF: 8928 SF</p> <p>Circulation & Service Areas: <u>1071</u> SF (12%)</p> <p>GROSS SF: 9999 SF</p> <p>f. <u>Automotive Organizational Maintenance Course</u>, 9 ton truck tractor, 40 student stations.</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>		



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<p>(2) <u>Category Code 171-20:</u></p> <p>8 Operational 9 ton trucks, tractor (medium prime movers) Approx floor space required: 1056 SF each.</p> <p>Laboratory: 1056 x 8 = 8448 SF Support Space: 480 x 1 = <u>480</u> SF</p> <p>NET SF: 8928 SF</p> <p>Circulation & Service Areas (12%) <u>1071</u> SF</p> <p>GROSS SF: 9999 SF</p> <p>g. <u>SUMMARY:</u></p> <p>TOTAL ACADEMIC: 14,560 SF TOTAL APPLIED: <u>33,135</u> SF 47,695 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> The proposed facility will be a Motor Transport School facility. The following potential hazardous conditions will be considered during the design phase:</p> <p>a. Exhaust fumes.</p> <p>b. Battery acid fumes.</p> <p>c. Gasoline/diesel fumes.</p>		





MONTFORD POINT
AREA NO. 3

MONTFORD POINT
AREA NO. 1

MONTFORD POINT
AREA NO. 2

MONTFORD POINT
AREA NO. 2-A

ALL BUILDING NUMBERS
IN MONTFORD POINT AREA
ARE PREFIXED BY - M

- LEGEND
- BUILDINGS
 - ASPHALT SURFACES
 - SHELL ROCK SURFACES
 - RAILROADS

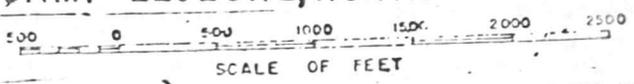
MONTFORD POINT AREA AND VICINITY

CAMP LEJEUNE, NORTH CAROLINA

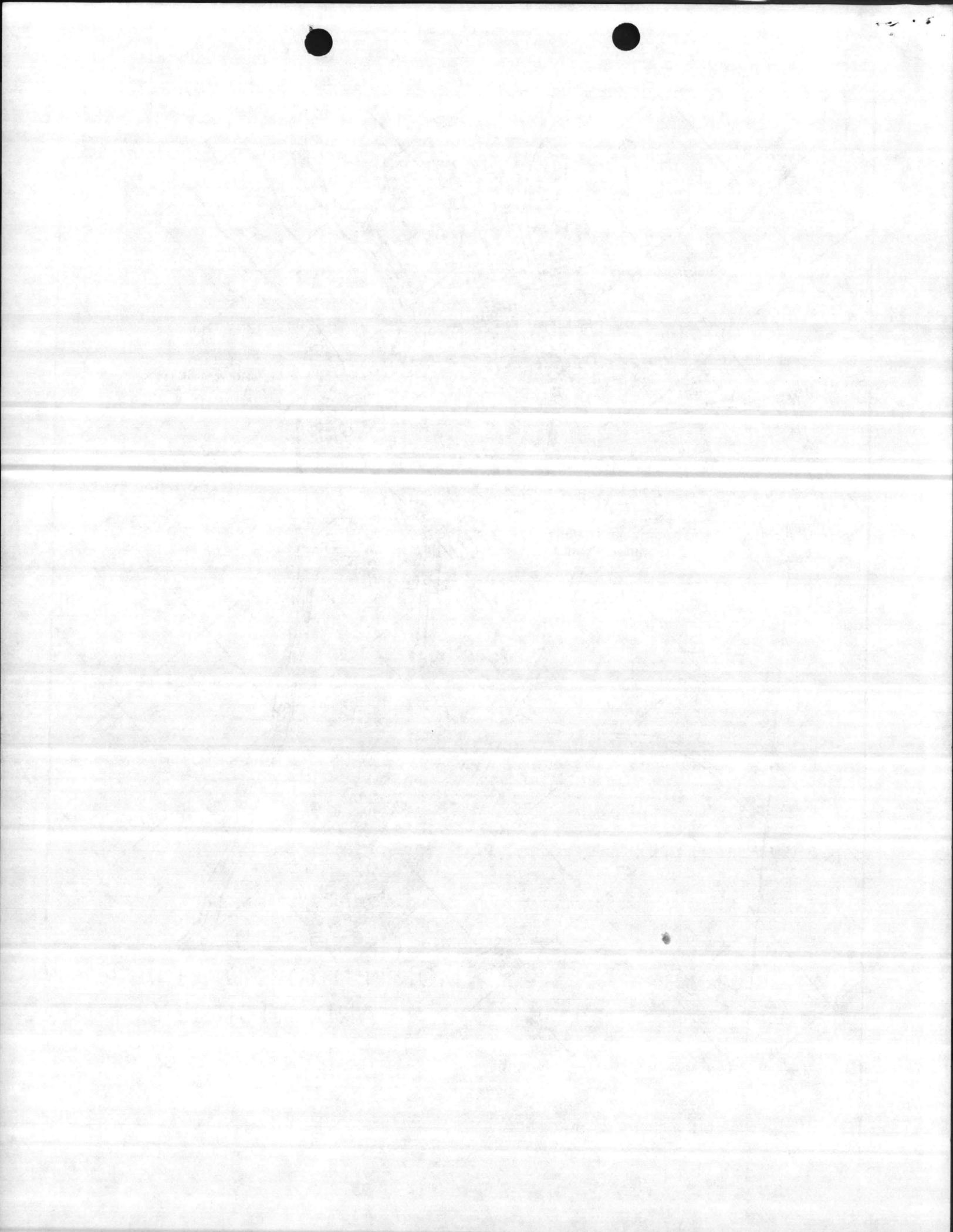
SITE LOCATION MAP

P-809

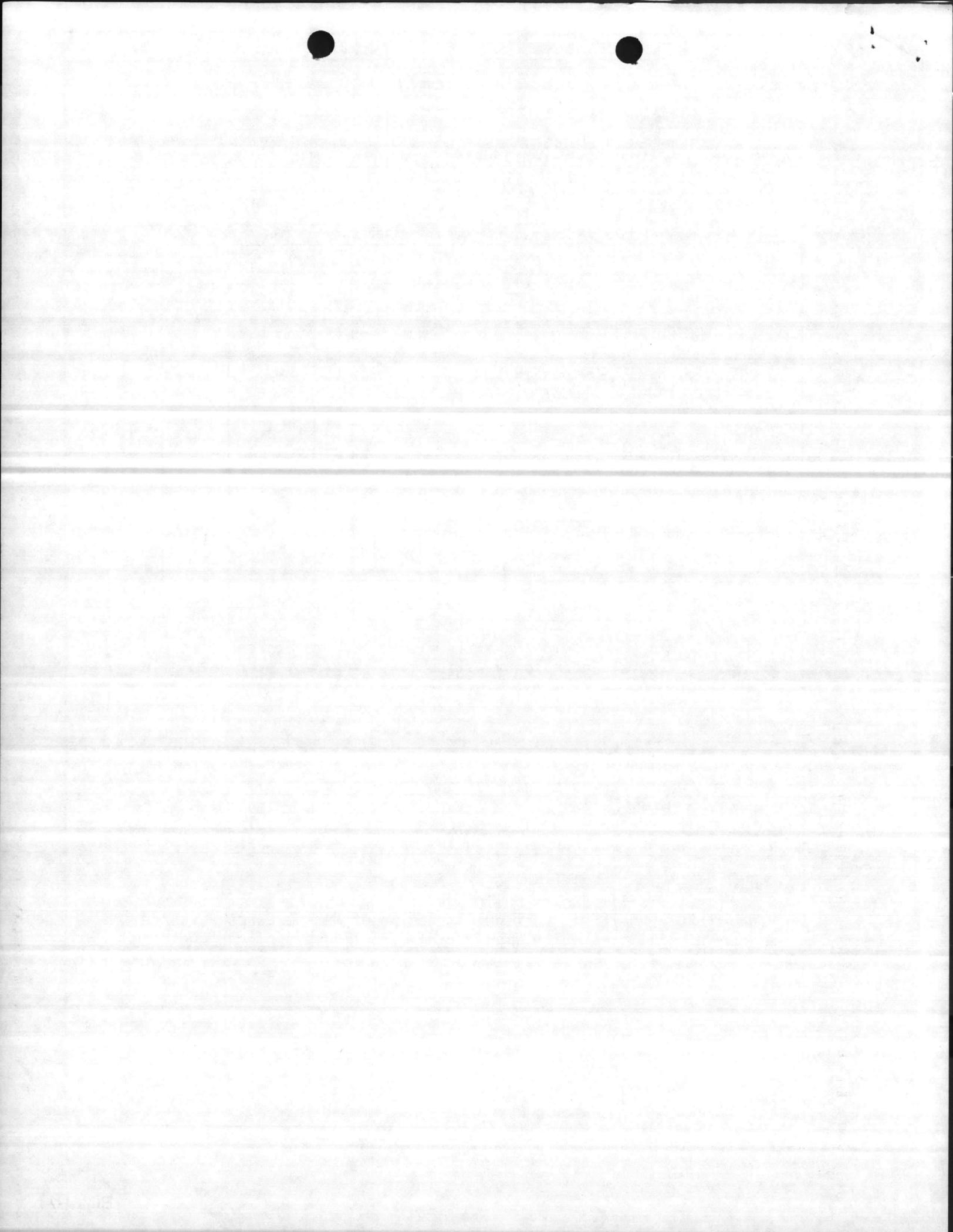
OF-35 MECHANICS SCHOOL
(INCREMENT 2)



JUNE 30, 1954



1. COMPONENT NAVY		FY 19 85 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 2)		
5. PROGRAM ELEMENT		6. CATEGORY CODE 171-20	7. PROJECT NUMBER P-809		8. PROJECT COST (\$000) \$5,500	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	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	-	-	616	
PAVEMENTS, RIGID AND FLEXIBLE		LS	-	-	(262)	
SECURITY LIGHTING, FENCING, UTILITIES, AND		LS	-	-		
SITE IMPROVEMENT		LS	-	-	(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. 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 2 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						



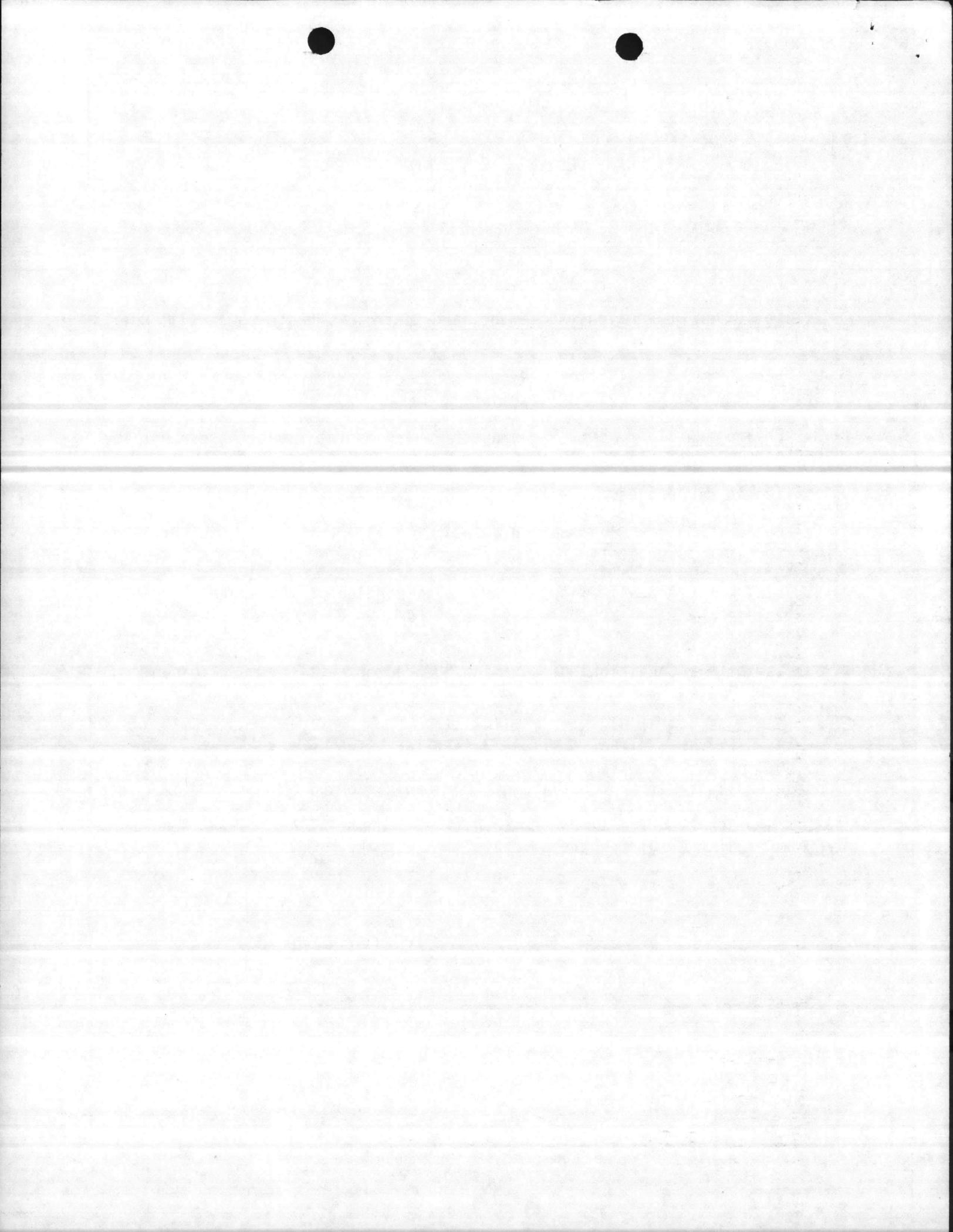
1. COMPONENT NAVY	FY 19 <u>85</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1981
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3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

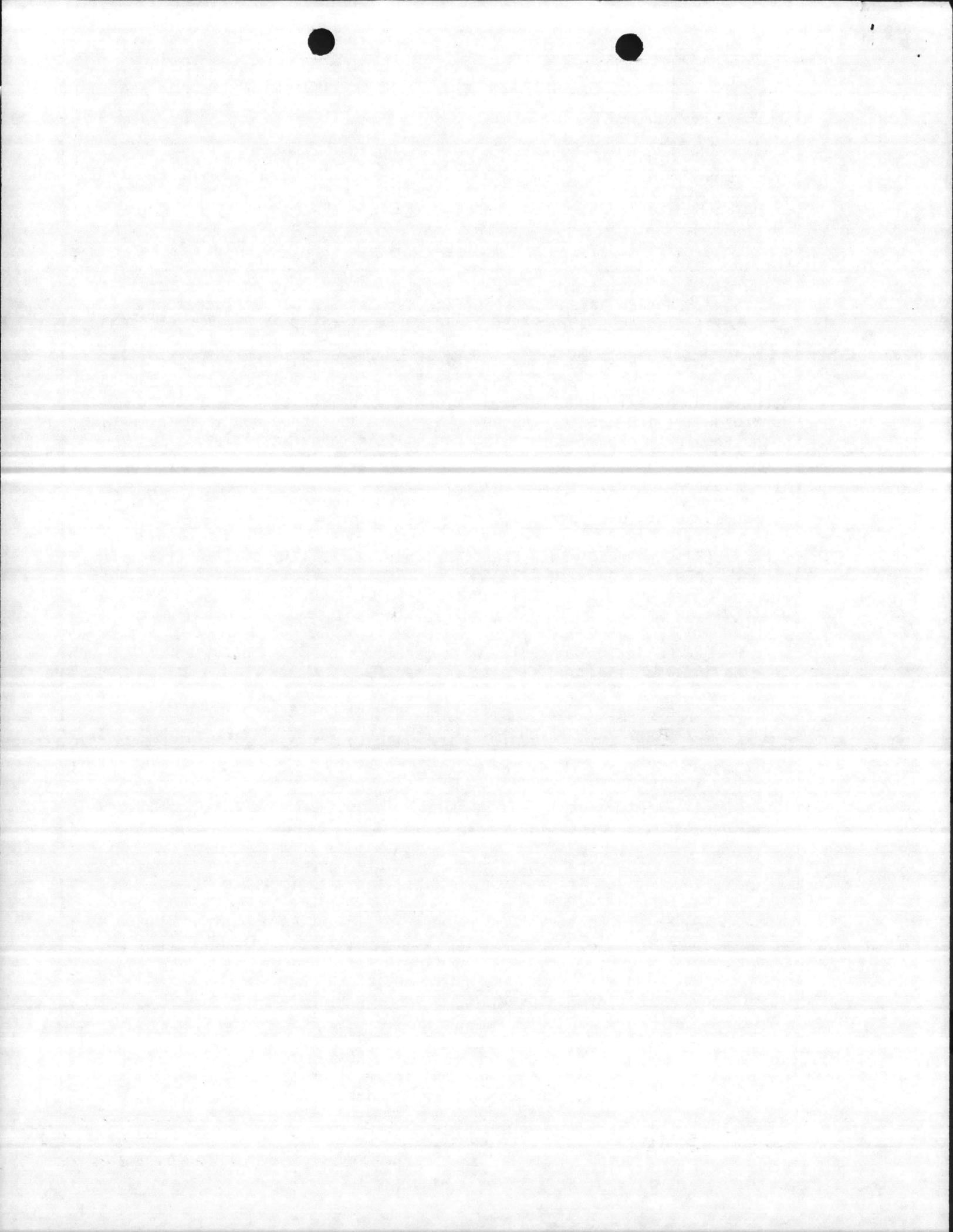
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SPECIAL CONSIDERATIONS

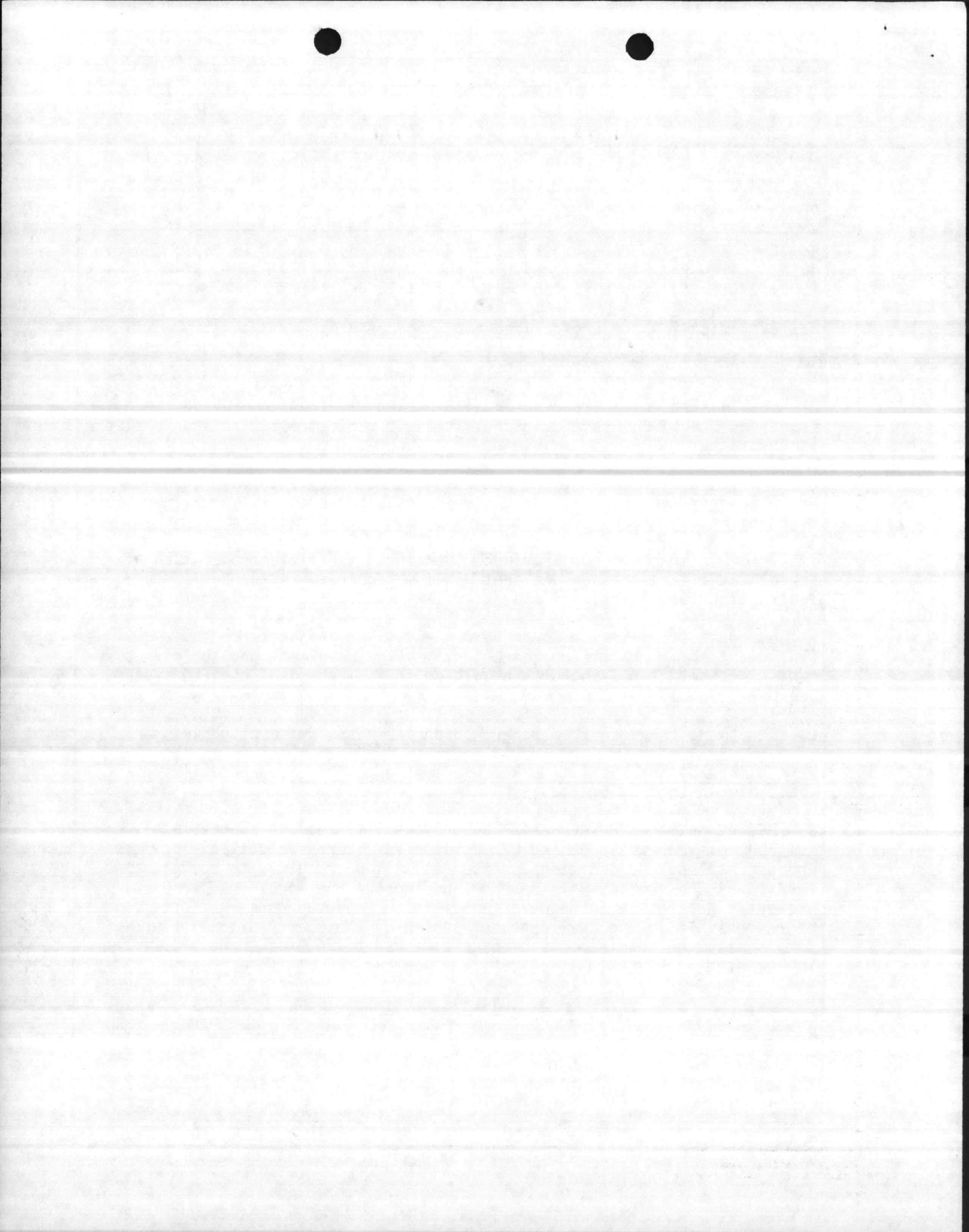
1. Pollution Prevention, Abatement, and Control: This project will not cause additional air or water pollution.
2. Flood Hazard Evaluation: Requirements of Executive Order No. 11296 (Flood Hazards) are not applicable.
3. Environmental Impact: The project Environmental Impact Assessment has been made,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



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<p style="text-align: center;"><u>FACILITY STUDY</u></p> <p>1. <u>Project.</u> 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.</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>		



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4. PROJECT TITLE OF-35 MECHANICS SCHOOL, MCSSS (INCREMENT 2)	5. PROJECT NUMBER P-809										
<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>a. <u>Justification for Project.</u></p> <p>(1) <u>Project.</u> Proposed facilities are required to provide the Motor Transport School with adequate facilities to perform academic and applied instruction.</p> <p>(2) <u>Current Situation.</u> Existing school facilities are inadequate WW-II masonry type buildings totally inadequate due to size, configuration, lighting, etc.</p> <p>(3) <u>Impact if not Provided:</u> Continued inefficient operation of school facilities that do not meet minimum requirements for applied and instruction facilities.</p> <p>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.</p> <p>c. <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 MCSSS area.</p> <p>8. <u>Effect on Other Resources.</u> 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.</p> <p style="text-align: center;"><u>UTILITY REQUIREMENTS</u></p> <p>a. <u>Electricity:</u></p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td>Consumption</td> <td>121,881</td> <td>KWH/yr</td> </tr> <tr> <td>Peak Demand</td> <td>98</td> <td>KW</td> </tr> <tr> <td>Avg. Demand</td> <td>70</td> <td>KW</td> </tr> </table>			Consumption	121,881	KWH/yr	Peak Demand	98	KW	Avg. Demand	70	KW
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1. COMPONENT NAVY	FY 19 ⁸⁵ 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 2)	5. PROJECT NUMBER P-809
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- b. Steam:
- | | |
|-------------|--------------------------|
| Consumption | <u>39,213,357</u> lbs/yr |
| Demand | <u>6,300</u> 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 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.

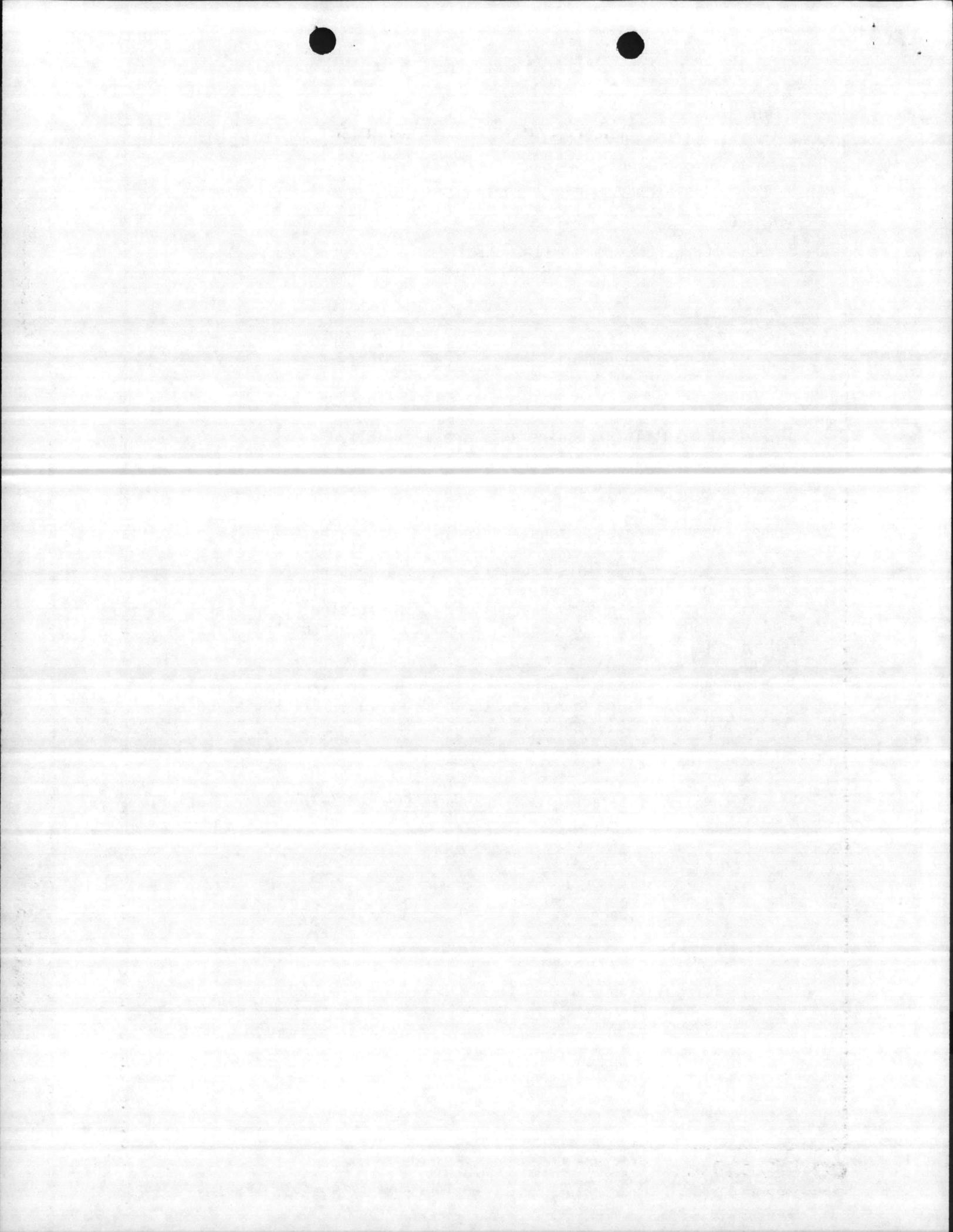
12. Environmental Impact. An Environmental Impact Assessment (EIA) is being written and will be processed through the local EIA Review Board. No adverse environmental impact is anticipated.

13. Quantitative Data.

a. Automotive Intermediate Maintenance Course, 9 ton truck tractor, 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 and Service Areas:	<u>234</u> SF
GROSS SF:	2184 SF



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(2) Category Code 171-20:

	SF EA	TOTAL SF
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
Maneuvering Space 500 SF

TOTAL SF: 3035 SF

Laboratory: 3035 x 1 = 3035 SF
Support Space: 375 x 1 = 375 SF

NET SF: 3410 SF

Circulation & Service Areas:
(12%) 409 SF

GROSS SF: 3819 SF

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

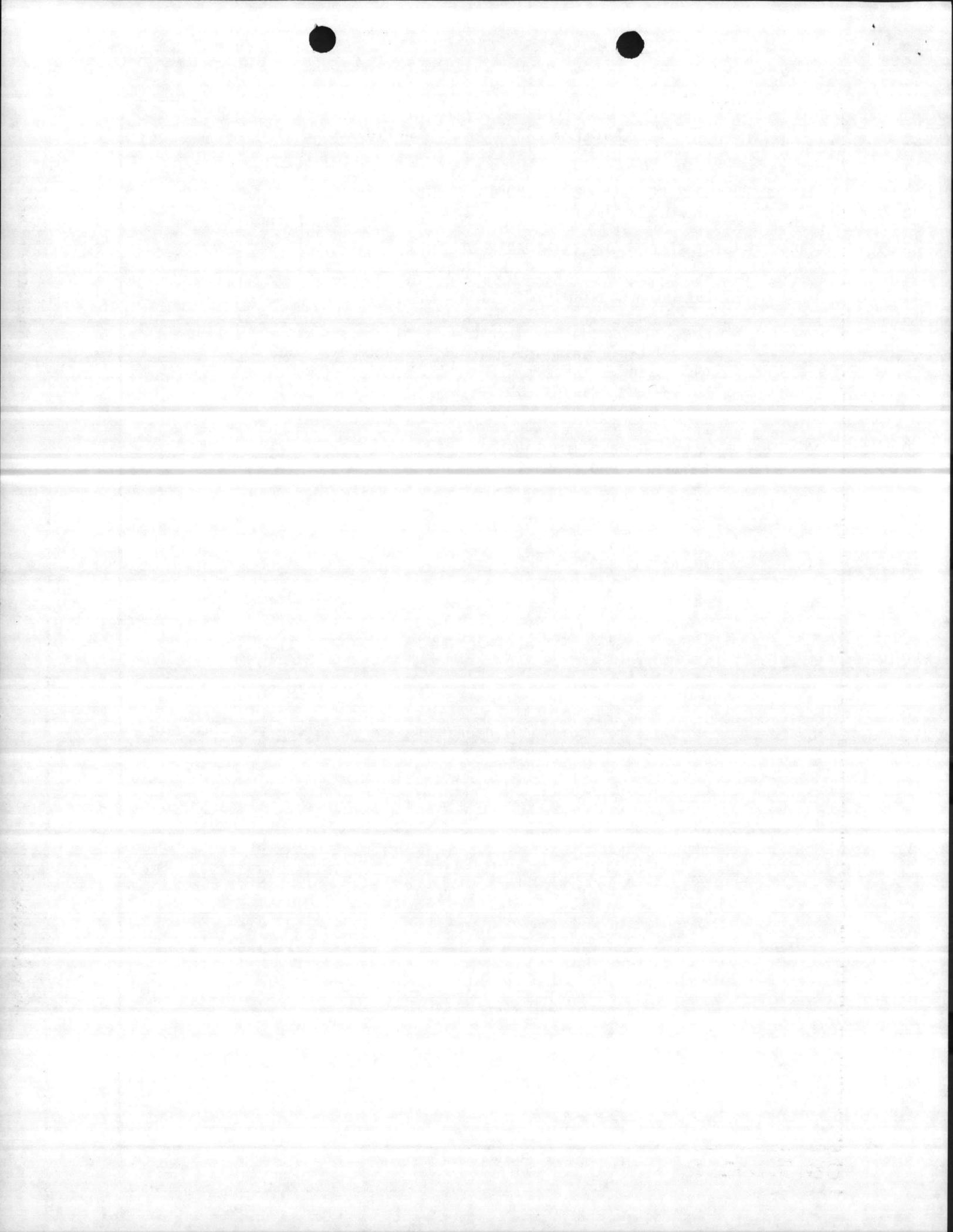
(1) Category Code 171-10:

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

NET SF: 1950 SF

Circulation & Service Areas: 234 SF

GROSS SF: 2184 SF



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(2) Category Code 171-20:

	SF EA	TOTAL SF
13 - 16 ton Transmissions	60	780 SF
13 - 16 ton Transfers	60	780 SF
13 - 16 ton Axle Assemblies	60	780 SF
13 - 16 ton Steering Gear Assy	35	455 SF

Material Handling Equipment
Maneuvering Space 500 SF

TOTAL SF: 3295 SF

Laboratory: 3295 x 1 = 3295 SF
Support Space: 375 x 1 = 375 SF

NET SF: 3670 SF

Circulation & Service Areas:
(12%) 440 SF

GROSS SF: 4110 SF

c. Automotive Intermediate Maintenance Course, 9 ton truck tractor, 26 student stations.

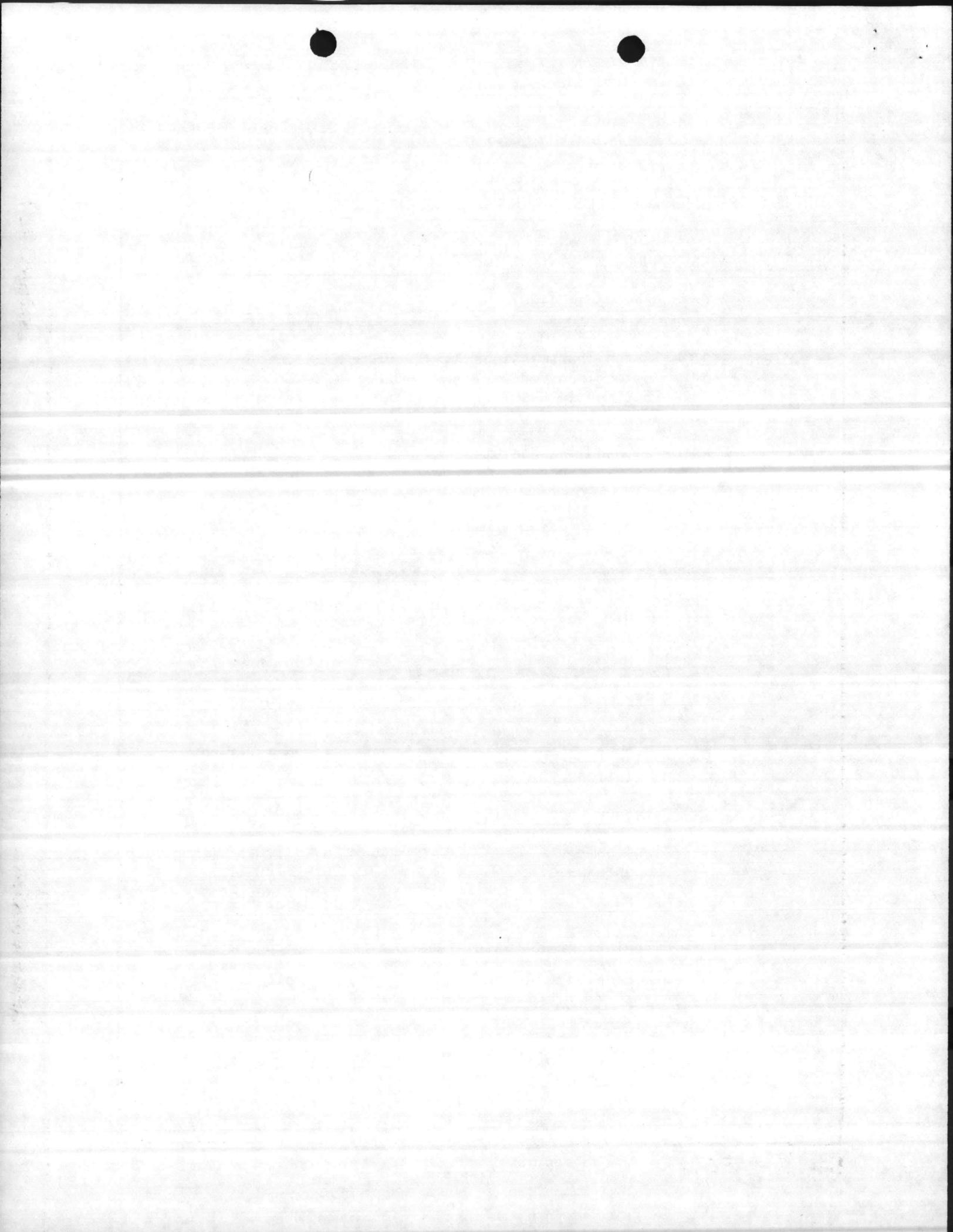
(1) Category Code 171-10:

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

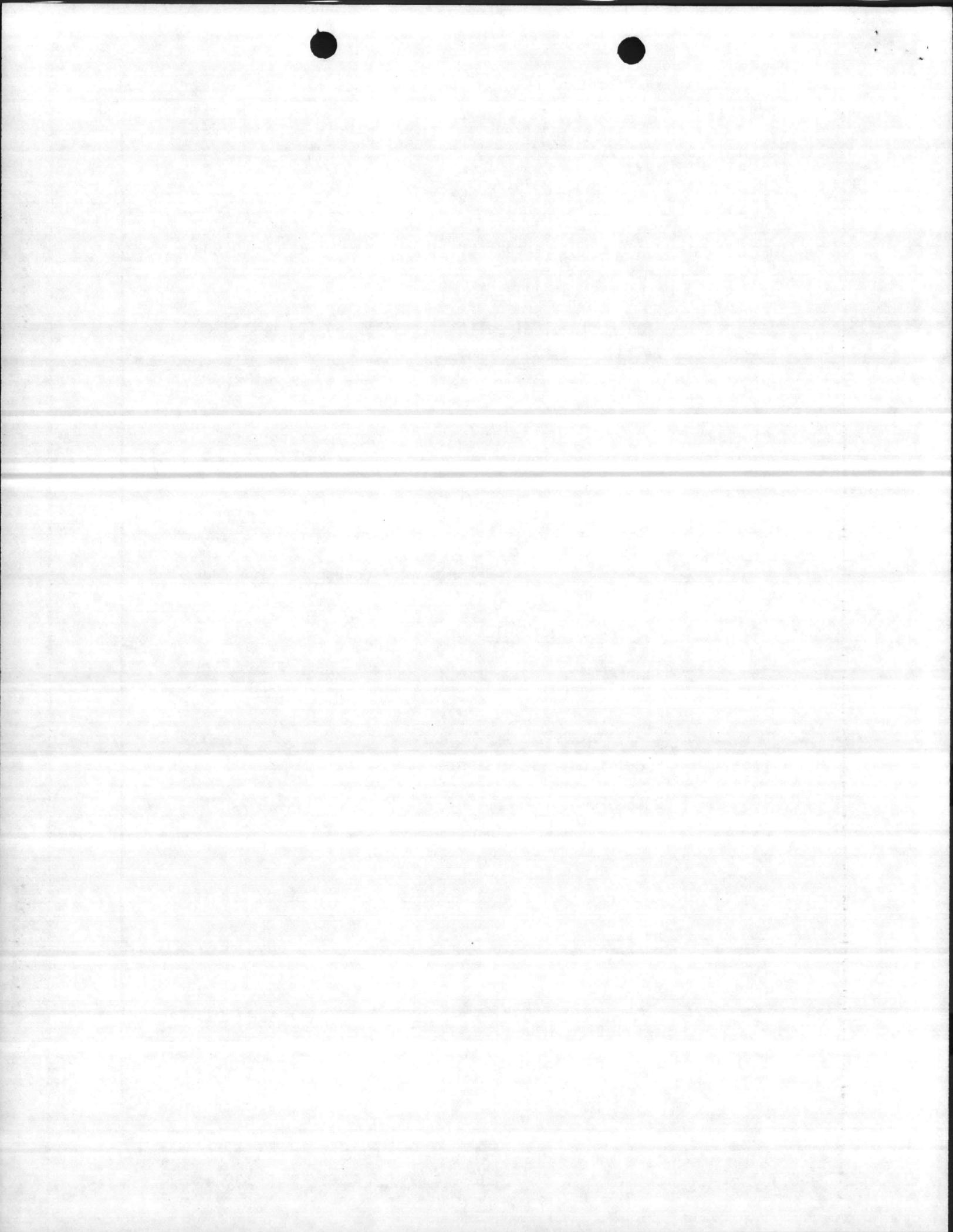
NET SF: 1950 SF

Circulation & Service Areas: 234 SF

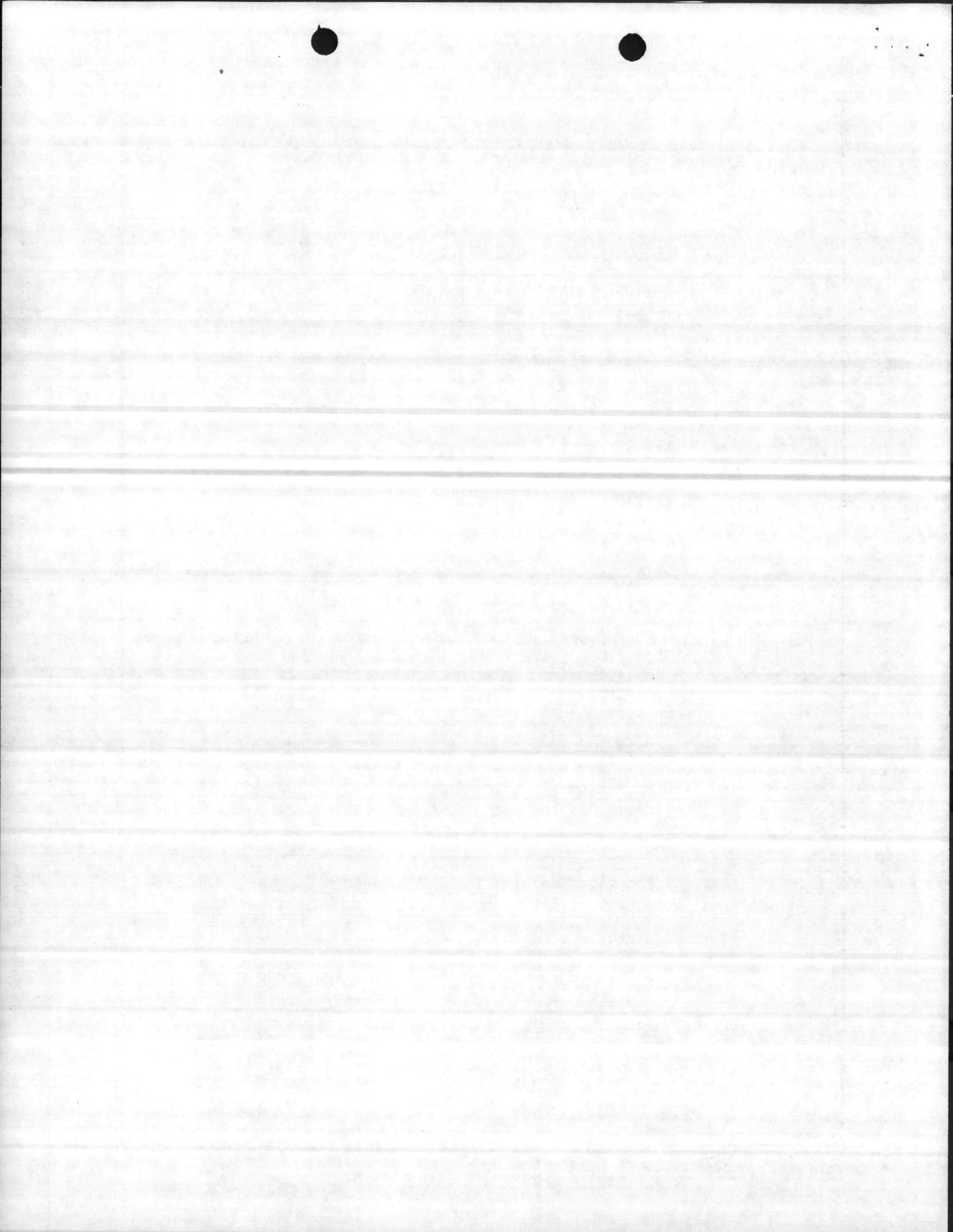
GROSS SF: 2184 SF



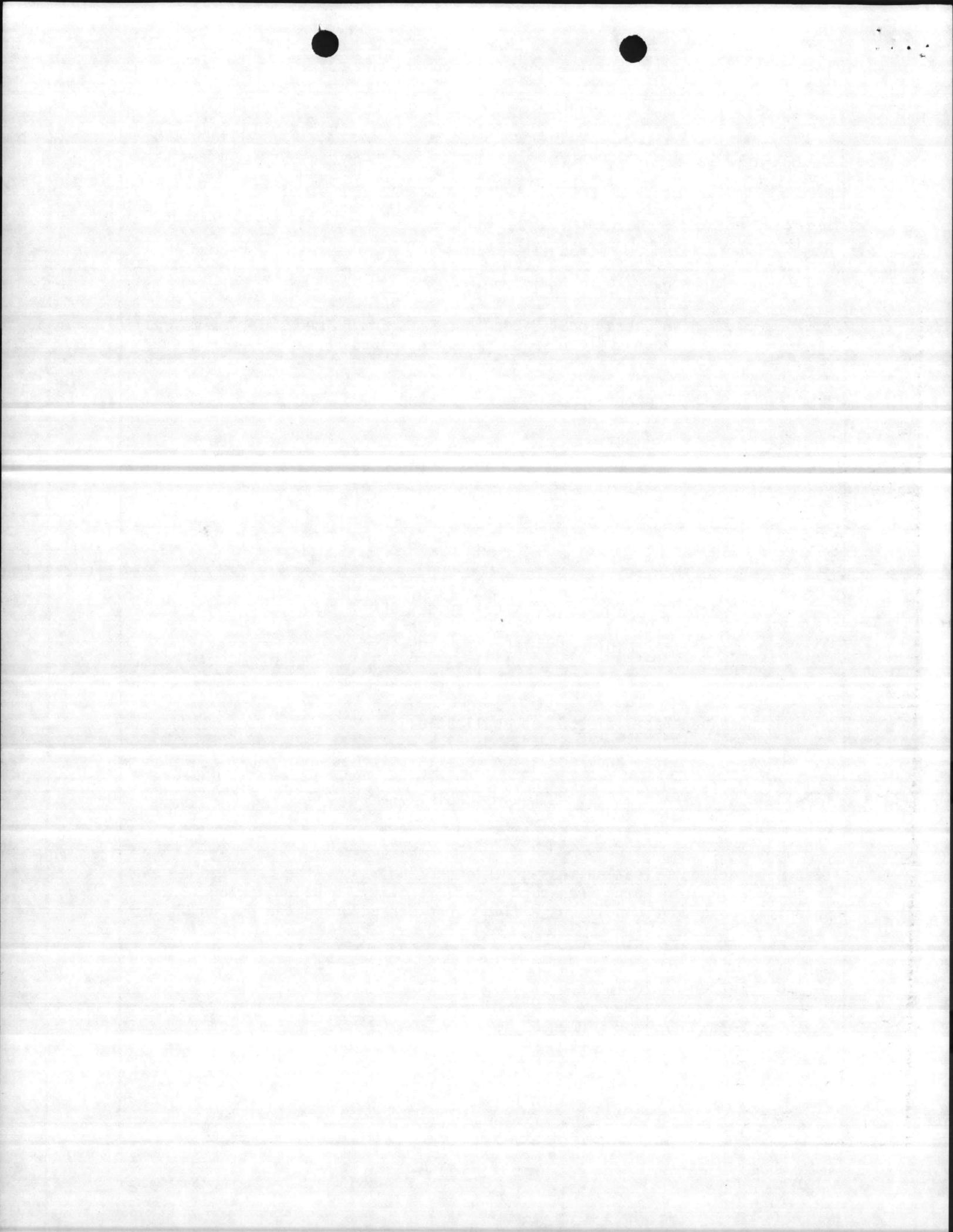
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<p>(2) <u>Category Code 171-20:</u></p> <p>13 Operational diesel engines - 9 ton truck tractor 26 Student stations</p> <p>Laboratory: 150 x 13 = 1950 SF Support Space: 375 x 1 = <u>375</u> SF</p> <p>NET SF: 2325 SF</p> <p>Circulation & Service Areas: <u>279</u> SF</p> <p>GROSS SF: 2604 SF</p> <p>d. <u>Automotive Intermediate Maintenance Course, 16 ton truck tractor, 26 student stations.</u></p> <p>(1) <u>Category Code 171-10:</u></p> <p>Classroom: 45 x 26 = 1170 SF Support Space: 30 x 26 = <u>780</u> SF</p> <p>NET SF: 1950 SF</p> <p>Circulation & Service Areas: <u>234</u> SF</p> <p>GROSS SF: 2184 SF</p> <p>(2) <u>Category Code 171-20:</u></p> <p>13 Operational diesel engines - 16 ton truck tractor</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>		

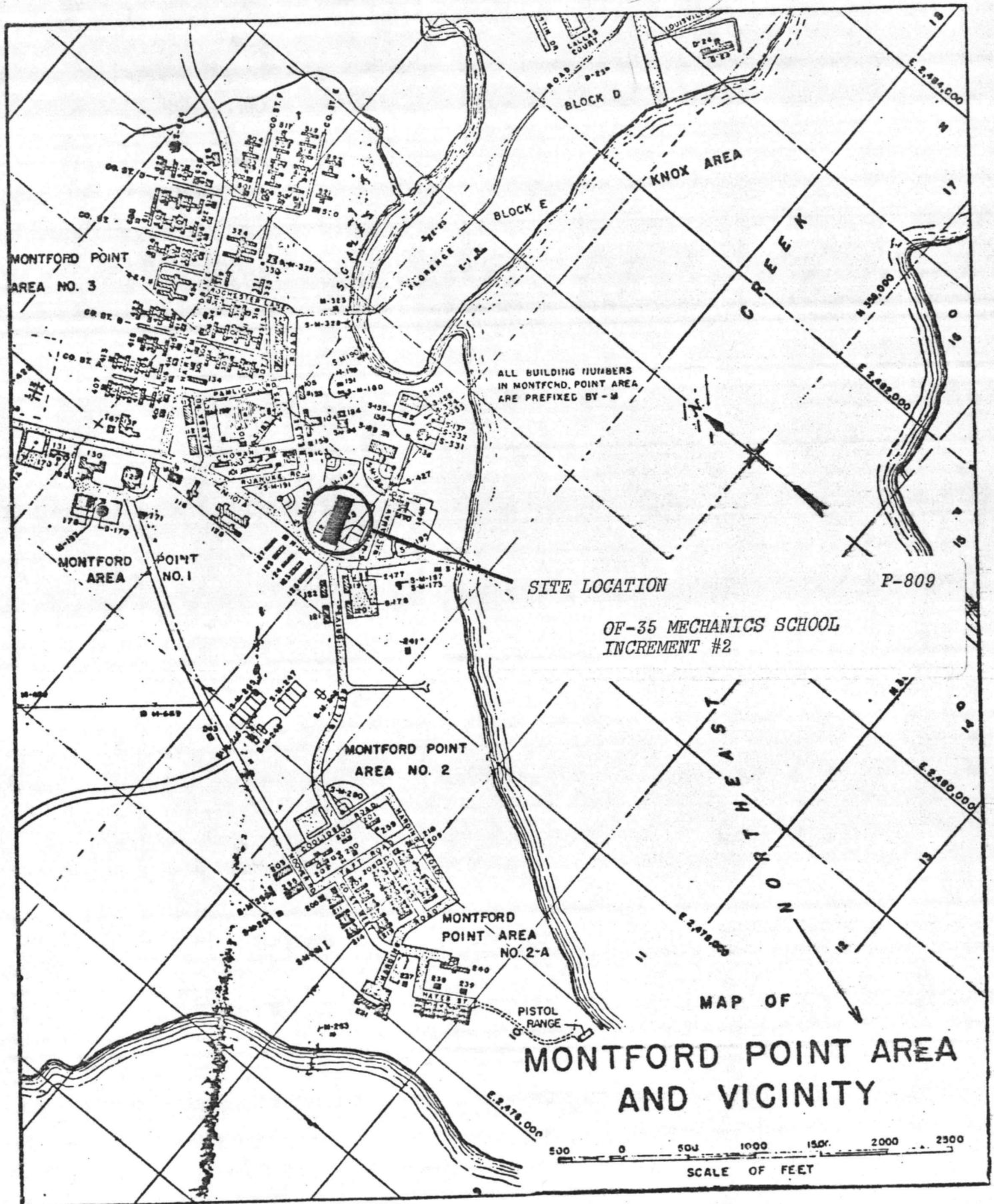


1. COMPONENT NAVY	FY 19 ⁸⁵ MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 AUG 1981																																													
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<p>e. <u>Automotive Organizational Maintenance Course, 16 ton tractor module, 40 student stations.</u></p> <p>(1) <u>Category Code 171-10:</u></p> <table style="width: 100%;"> <tr> <td>Classroom:</td> <td style="text-align: right;">20 x 40 =</td> <td style="text-align: right;">800 SF</td> </tr> <tr> <td>Support Space:</td> <td style="text-align: right;">2.25 x 800 =</td> <td style="text-align: right;"><u>1800 SF</u></td> </tr> <tr> <td>NET SF:</td> <td></td> <td style="text-align: right;">2600 SF</td> </tr> <tr> <td>Circulation & Service Areas: (12%)</td> <td></td> <td style="text-align: right;"><u>312 SF</u></td> </tr> <tr> <td>GROSS SF:</td> <td></td> <td style="text-align: right;">2912 SF</td> </tr> </table> <p>(2) <u>Category Code 171-20:</u></p> <p>8 Operational 16 ton trucks, tractor (heavy prime movers). Appx floor space required: 1056 SF each.</p> <table style="width: 100%;"> <tr> <td>Laboratory:</td> <td style="text-align: right;">1056 x 8 =</td> <td style="text-align: right;">8448 SF</td> </tr> <tr> <td>Support Space:</td> <td style="text-align: right;">480 x 1 =</td> <td style="text-align: right;"><u>480 SF</u></td> </tr> <tr> <td>NET SF:</td> <td></td> <td style="text-align: right;">8928 SF</td> </tr> <tr> <td>Circulation & Service Areas: (12%)</td> <td></td> <td style="text-align: right;"><u>1071 SF</u></td> </tr> <tr> <td>GROSS SF:</td> <td></td> <td style="text-align: right;">9999 SF</td> </tr> </table> <p>f. <u>Automotive Organizational Maintenance Course, 9 ton truck tractor, 40 student stations.</u></p> <p>(1) <u>Category Code 171-10:</u></p> <table style="width: 100%;"> <tr> <td>Classroom:</td> <td style="text-align: right;">20 x 40 =</td> <td style="text-align: right;">800 SF</td> </tr> <tr> <td>Support Space:</td> <td style="text-align: right;">2.25 x 800 =</td> <td style="text-align: right;"><u>1800 SF</u></td> </tr> <tr> <td>NET SF:</td> <td></td> <td style="text-align: right;">2600 SF</td> </tr> <tr> <td>Circulation & Service Areas (12%)</td> <td></td> <td style="text-align: right;"><u>312 SF</u></td> </tr> <tr> <td>GROSS SF:</td> <td></td> <td style="text-align: right;">2912 SF</td> </tr> </table>			Classroom:	20 x 40 =	800 SF	Support Space:	2.25 x 800 =	<u>1800 SF</u>	NET SF:		2600 SF	Circulation & Service Areas: (12%)		<u>312 SF</u>	GROSS SF:		2912 SF	Laboratory:	1056 x 8 =	8448 SF	Support Space:	480 x 1 =	<u>480 SF</u>	NET SF:		8928 SF	Circulation & Service Areas: (12%)		<u>1071 SF</u>	GROSS SF:		9999 SF	Classroom:	20 x 40 =	800 SF	Support Space:	2.25 x 800 =	<u>1800 SF</u>	NET SF:		2600 SF	Circulation & Service Areas (12%)		<u>312 SF</u>	GROSS SF:		2912 SF
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<p>(2) <u>Category Code 171-20:</u></p> <p>8 Operational 9 ton trucks, tractor (medium prime movers) Approx floor space required: 1056 SF each.</p> <p>Laboratory: 1056 x 8 = 8448 SF Support Space: 480 x 1 = <u>480</u> SF</p> <p>NET SF: 8928 SF</p> <p>Circulation & Service Areas (12%) <u>1071</u> SF</p> <p>GROSS SF: 9999 SF</p> <p>g. <u>SUMMARY:</u></p> <p>TOTAL ACADEMIC: 14,560 SF</p> <p>TOTAL APPLIED: <u>33,135</u> SF</p> <p>47,695 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> The proposed facility will be a Motor Transport School facility. The following potential hazardous conditions will be considered during the design phase:</p> <p>a. Exhaust fumes.</p> <p>b. Battery acid fumes.</p> <p>c. Gasoline/diesel fumes.</p>		





SITE LOCATION

P-809

OF-35 MECHANICS SCHOOL
INCREMENT #2

MAP OF

**MONTFORD POINT AREA
AND VICINITY**

