Gene
Fred
Larry WLB

NAKAZAWA CORPORATION
ARCHITECTS & PLANNERS
212 SOUTH TRYON STREET
CHARLOTTE, NORTH CAROLINA 28281
(704) 335-1184

REPORT OF CONFERENCE

Projects: Applied Instruction Building, FY 1986 MCON, P-808, MCB, Camp Lejeune, NC [Phase I]

Mechanics Training Building, FY 1987 MCON, P-809, MCB, Camp Lejeune, NC [Phase II]

Date/Time: May 30, 1985 at 0930

Location: Public Works Building, Bldg. 1005, MCB, CLNC

Purpose: A/E Field Investigation & Design Meeting with Public Works and Using Activity

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Attendees:		
	Fred W. Estes, Jr., PM/PWO	919-451-1833
	Maj. B.W. Morgan, Jr., MTSCO	919-451-0946
	Grover Ash, MTSCO	919-451-0954
	Y. Nakazawa, FAIA, A/E	704-335-1184
	Paul W. Nakazawa, AIA, A/E	704-335-1184
	Chet Niedziela, PE, A/E	704-335-1183
	Joseph Mungo, PE, A/E	704-335-1183

Agenda:

I. Review with PWO and Using Activity the results of the Value Engineering Study for P-808.

II. Discussion of Requirements for Planning and Design of P-809.

III. A/E Field Investigation of P-808/P-809 Project Site & Utility Connection Points.

I. A/E Reviewed with PWO and Using Activity the Results of the Value Engineering Study for Applied Instruction Building, FY 1986 MCON, P-808:

[Reference: Value Engineering Study, dated 4 April 1985, by U.S. Cost, Inc., and Final VE Resolution Conference between LANTDIV and A/E, 23 May 1985.]

1. PWO had dissenting views on the following items from the VE Study recommendations: A-5.0; A-17.0; A-20.0; E-7.0; C-1.1; C-7.0; C-10.0. F.W. Estes, Jr., will resolve these items directly with LANTDIV.

2. Item A-12.1: Using Activity agrees that carpet may be eliminated from the classrooms, except on the instructor platforms.

3. Item A-20.0: Continuous canopy needed for maintaining covered circulation from labs to other facility areas.

4. Item A-24.0: Coiling type doors required for facility.

5. A/E, PWO and Using Activity are in agreement that the VE proposals to eliminate the new South Road and South Road entrance are not in the best interests of the project, especially in view of the overall development of the P-808/809/810 complex. Adequate vehicular access to the complex is very important.

II. Requirements for Planning & Design of P-809:

1. Scope: The present scope of the project does not appear to be adequate for the number and type of functional areas originally identified in the mini-master plan for the P-809 increment. The present DD 1391 falls approximately 4,200 SF short of the scope reflected in the Using Activity's space plan provided to the A/E. The Using Activity will provide F.W. Estes, Jr., with justifications for an increase in scope. Approvals process for this additional scope will be initiated for eventual CMC review.

II. *2. Eliminate electric water coolers from classrooms. Need two water coolers in high bay lab.

*3. Monorail bridge cranes:
Room 218 - AMIS Lab No.5 - 2 Ton Capacity
Room 258 - AMIS Lab No.2 - 3 Ton Capacity
No ceilings in these laboratories necessary. A/E will check requisite height to accommodate cranes.

*4. Eliminate 2 overhead coiling steel doors (Nos.66 & 67) in Organizational Maintenance Laboratory.

*5. Instructor's Platforms in Academic Classrooms (Rooms 224, 226, 228, 236, 239, 240) are to be located in alcoves between exit doorways. Depth of platforms to be 6'-0" and 8" in height. Platforms are to be carpeted. Lecterns to be mounted on the platforms and require electrical power for light. Provide power receptacles along the back of platforms for lights and/or power used with instructional aids/ displays.

*6. Instructor's Platforms in AMIS Laboratories Nos. 1-6, are to be 16' long x 6' wide x 8" height and carpeted. Provide floor outlet for lectern and wall receptacles for lights and/or power used with instructional aids/ displays.

*7. Service sinks to be provided in rooms adjacent to labs.

*8. Individual row switching for academic classrooms to be provided.

*9. P-808 Only: No fuel will be used in the AGARTS area. No special exhaust or fire protection is required.

NOTE: Comments marked with an asterisk (*) denote information provided or requirements given by the Using Activity to the A/E.

II.*10. Collateral Equipment: Built-In Equipment List to include the following only:

a. Provision for ceiling mounting of ITV Monitors. (Requires support and electrical receptacle.);
b. HVAC systems;
c. Plumbing systems and steam system (interior);
d. Sprinkler system;
e. Fire alarm, telephone and intercom empty conduit systems;
f. Electric drinking water coolers;
g. Instructor platforms for classrooms and AMIS laboratories;
h. Empty conduit system for public address system;
i. Venetian blinds and window screens;
j. Service sinks for laboratory spaces;
k. Exhaust gas removal systems for the Organizational Maintenance Laboratories.

A/E Project Manager Note: There is a dispute between Camp Lejeune and LANTDIV with respect to the provision of conduit for telephone wire. The Base has a requirement for conduit that conflicts with a directive to the A/E not to provide it. The VE Study final resolution for P-808 eliminated the conduit, despite objections from PWO. MCB/CLNC should resolve this with LANTDIV.

III. The A/E visited the P-808/P-809 project site off of Montford Point Landing Road. Potential connection points for power and steam were physically identified and photographed.

IV. ACTION ITEMS

1. Grover Ash to prepare and transmit to Fred Estes letter and back-up justifications for increasing P-809 scope. Using Activity, together with PWO-Planning, to initiate process for CMC review and approvals.

2. Grover Ash to prepare and transmit to A/E equipment and utility layouts for P-809.

3. A/E to contact Junior Johnson or D. Sutherland, at Base Maintenance in order to verify the availability of steam, location of steam and condensate connections, the steam supply and steam condensate line pressures.

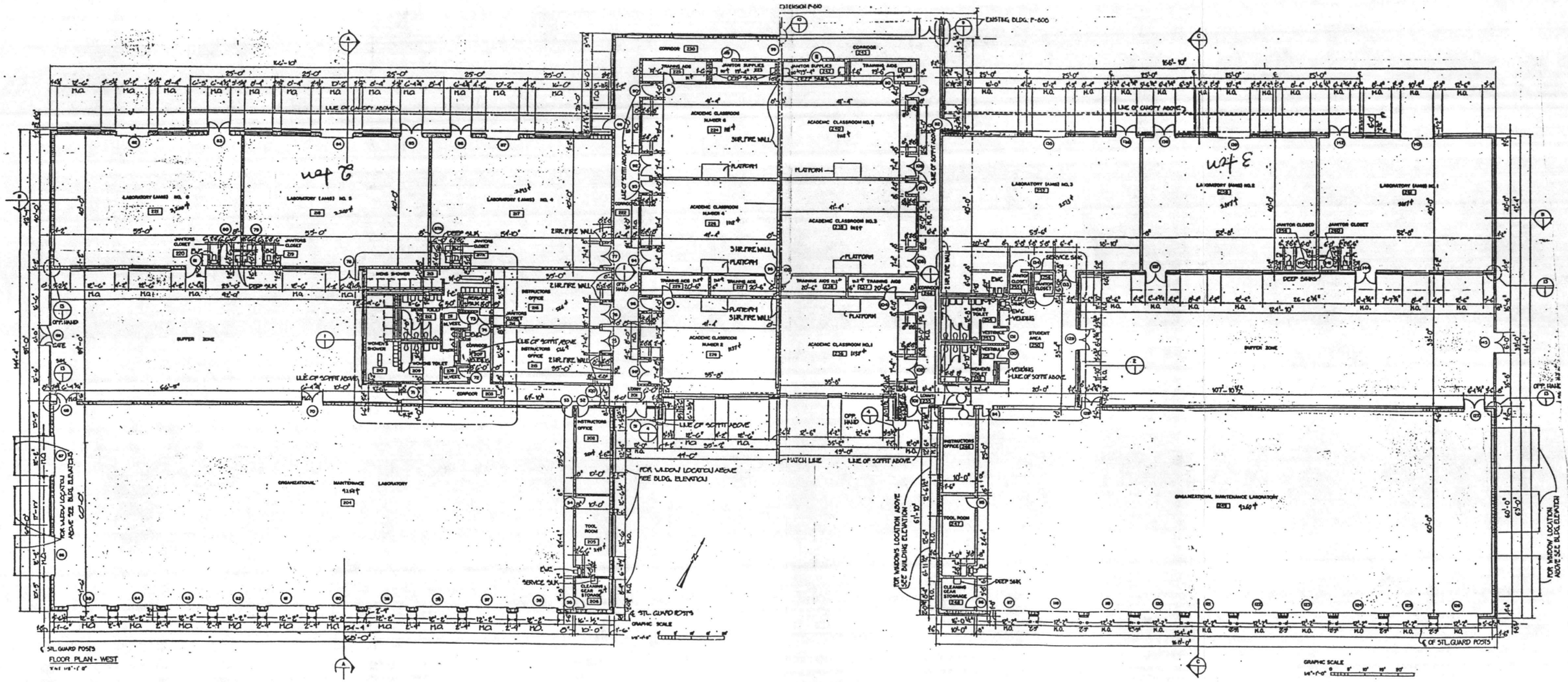
The foregoing represents the A/E's understanding of the conference proceedings. Please forward any ammendments, addenda or dissentions to the undersigned in writing for incorporation into this report. Thank you.

NAKAZAWA CORPORATION

Paul Wesley Nakazawa, AIA
Project Manager

Attachments: 1) Revised Plan for P-808/P-809/P-810 per Using Activity Modifications;
2) Preliminary Floor Plan for P-809.

Distribution: Conference Attendees
Maxey L. Bryant, Project Manager, LANTDIV



NAKAZAWA CORPORATION
ARCHITECTS & PLANNERS
212 S. TRYON ST., SUITE 455
CHARLOTTE, NC 28281

P-809 = 51,372 GROSS SQ.FT.

(42) ORG. MAIN. INSTR. LAB
9,300 SQ.FT.
8 - TRUCK, CARGO, 5-TON, L&L, M923
MIS

BUFFER ZONE

STUDENTS AREA

J.C. WOMEN'S TOILET

MEN'S TOILET

LAB. (28) 2,000 SQ.FT. CUCV AXLE ASSEMBLIES AMIS

LAB. (28) 2,000 SQ.FT. M939 AXLE ASSEMBLIES AMIS

LAB. (28) 2,600 SQ FT LVS TRANSFER ASSEMBLIES AMIS

10'-0"W x 8'-0"H OVERHEAD DOOR

P809 ACADEMIC CLASSROOM No. 1 approx. 1,160 SQ FT No. 1 MIS

P809 ACADEMIC CLASSROOM No. 2 approx. 1,160 SQ FT No. 2 MIS

(26) P809 ACADEMIC CLASSROOM No. 3 approx. 1,160 SQ FT No. 3 AMIS

(26) P809 ACADEMIC CLASSROOM No. 4 approx. 1,160 SQ FT No. 4 AMIS

(26) P809 ACADEMIC CLASSROOM No. 5 approx. 1,160 SQ FT No. 5 AMIS

(26) P809 ACADEMIC CLASSROOM No. 6 approx. 1,160 SQ FT No. 6 AMIS

PLATFORM, TRNG. AIDS, TRAG. AIDS, JANITOR SUPPLIES, TRUE AIDS

(42) MIS SIMULATION TRAINING LABORATORY No. 1 21 SIMULATORS 1,518 SQ FT 46'-0" x 33'

BATTERY ROOM (INCLUDE SHOWER, EYE WASH)

(42) MIS ACADEMIC CLASSROOM 1,280 SQ FT

(42) MIS ACADEMIC CLASSROOM (42 STUDENTS) 1,280 SQ FT

(42) MIS ACADEMIC CLASSROOM (42 STUDENTS) 1,280 SQ FT

CORRIDOR

(42) ORG. MAIN. INSTR. LAB
9,300 SQ. FT.
8 - LOGISTICS VEHICLE SYSTEM VEHICLES (MK48/MK11)
MIS

WOMEN'S TOILET (PERM. PERS.) (6)

MEN'S TOILET (PERM. PERS.) (6)

INSTRUCTORS OFFICE 590 SQ FT

INSTRUCTORS OFFICE 570 SQ FT

BUFFER ZONE

LAB. (28) 2,200 SQ.FT. M939 TRANSFER ASSEMBLY AMIS

LAB. (28) 2,200 SQ.FT. HMMWV CUCV, LVS STEERING SYSTEM COMPONENTS AMIS

LAB (28) 2,200 SQ.FT. M939 AUTOMATIC TRANSMISSIONS AMIS

10'-0"W x 8'-0"H OVERHEAD DOOR

P-808 = 25,327 GROSS SQ.FT.

AGARTS 1,120 SQ.FT.

F&E CLASSROOM Approx. 525 SQ.FT. AMIS

TRNG. AIDS, PLATFORM, TRNG. AIDS

F&E CLASSROOM/ LABORATORY No. 1 Approx. 1,300 SQ.FT. AMIS (28)

F&E CLASSROOM/ LABORATORY No. 2 Approx. 1,300 SQ.FT. AMIS (28)

MIS SIMULATION TRAINING LABORATORY No. 1 21 SIMULATORS 1,518 SQ FT 46'-0" x 33'

MECH/ELEC. EQUIP. ROOM 720 SQFT

BUFFER ZONE

STUDENTS AREA

MEN'S TOILET

WOMEN'S TOILET

ORG. MAIN. INSTR. LAB (42)
9,300 SQ FT.
20 - COMMERCIAL UTILITY CARGO VEHICLES (M1008)
12'-0"W x 12'-0"H. OVERHEAD DOOR
MIS

POM 810 POSSIBLE OFFICE SPACE INSTRUCTIONAL SECTION MEDICAL METERS

ORG. MAIN INSTR. LAB.
9,300 SQ.FT.
20 - HIGH MOBILITY MULTI PURPOSE WHEELED VEHICLES (M998)

LINE OF SCREEN ABOVE FOR MECH. EQUIP.

10'-0"W x 8'-0"H OVERHEAD DOOR

M939, CUCV, HMMWV BRAKE SYSTEM COMPONENTS LAB. 1,800 SQ.FT. AMIS

HMMWV & CUCV TRANSMISSIONS LAB. 2,000 SQ.FT. AMIS

HMMWV & CUCV TRANSFER ASSEMBLY LAB 1,800 SQ.FT. AMIS

HMMWV AXLE ASSEMBLY LAB 1,800 SQ.FT. AMIS

MEN'S TOILET

WOMEN'S TOILET

STUDENTS AREA

BUFFER ZONE

LVS AXLE ASSEMBLIES LAB 3,200 SQ FT

P-810 = 28,527 GROSS SQ.FT.

P-808 = 25,327 GROSS SQ.FT.

MAIN ENTRANCE

FLAG POLE

P-810 = 28,527 GROSS SQ.FT.

LEGEND: P-808 (FT-FL) 9,100 SQFT
GREEN P-809 (FT-FL) 2,800 SQFT
BLUE P-810 (FT-FL) 13,900 SQFT

FLOOR PLAN
SCALE: 1/16"=1'-0"

PARKING SPACES PER 120 POP
40-POP. 809
40-POP. 809
40-POP. 810

ONE 4'x8' DRY ERASE MARKING BOARD (MAGNETIC) IS TO BE MOUNTED ON THE WALL BEHIND THE PLATFORM IN EACH CLASSROOM.
(CAROLINA OFFICE SUPPLY CATALOG, PG. 633, CONTEMPO DRY ERASE MARKING BOARD — ST-129-480 48"x96")

(0) = NO. STU. IN CLASSRM

Per Fred Estes 2/13/85

POPULATION —

	M	F	T.
P-808-Teaching	14	2	= 16
Students	89	5	= 94
TOTAL =			110
P-809-Teaching	18	2	= 20
Students	170	18	= 188
TOTAL =			208

APPLIED INSTRUCTION BUILDING P-808, P-809, P-810
NCB, CAMP LEJEUNE, N.C.

NAKAZAWA CORPORATION
CHARLOTTE, N.C.

DATE: 10 OCTOBER, 1984
DESIGNED BY: N.B. NIKICH
DRAWN BY: V. PAVICH
SCALE: 1/16"=1'-0"

SK-2A

GROSS S.F.: P-808 = 25,327 S.F. P-809 = 51,372 S.F. P-810 = 28,527 S.F.

ROUTINE REPLY, ENDORSEMENT, TRANSMITTAL OR INFORMATION SHEET

OPNAV 5216/158 (Rev. 7-78)
SN 0107-LF-052-1691

A WINDOW ENVELOPE MAY BE USED
Formerly NAVEXOS 3789

CLASSIFICATION (*UNCLASSIFIED when detached from enclosures, unless otherwise indicated*)

FROM (*Show telephone number in addition to address*)
COMMANDING GENERAL, MARINE CORPS BASE, CAMP LEJEUNE, NC 28542

DATE
8 MARCH 1985

SUBJECT
CONTRACT N62470-84-B-4087 (P-808), MECHANICS TRAINING BUILDING, (INCREMENT #1); 35% SUBMISSION COMMENTS ON

SERIAL OR FILE NO.
P-808 (84-B-4087)
PWO

TO:
COMMANDER, ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
ATTN: CODE 09A21B3
NORFOLK, VA 23511

REFERENCE Nakazawa Corp ltr of 20Feb85 35% submittal

ENCLOSURE
(1) Comment Sheet (LANTDIV Form 4/4121/4) with encl 1 and 2, dtd 8 March 85
(2) Utilities Requirements
(3) Floor Plan

VIA

ENDORSEMENT ON

[X] FORWARDED [ ] RETURNED [ ] FOLLOW-UP, OR TRACER [ ] REQUEST [ ] SUBMIT [ ] CERTIFY [ ] MAIL [ ] FILE

GENERAL ADMINISTRATION		CONTRACT ADMINISTRATION		PERSONNEL	
X	FOR APPROPRIATE ACTION		NAME & LOCATION OF SUPPLIER OF SUBJECT ITEMS		REPORTED TO THIS COMMAND
	UNDER YOUR COGNIZANCE		SUBCONTRACT NO. OF SUBJECT ITEM		
	INFORMATION		APPROPRIATION SYMBOL, SUBHEAD, AND CHARGEABLE ACTIVITY		DETACHED FROM THIS COMMAND
	APPROVAL RECOMMENDED [ ] YES [ ] NO		SHIPPING AT GOVERNMENT EXPENSE [ ] YES [ ] NO		
	[ ] APPROVED [ ] DISAPPROVED		A CERTIFICATE, VICE BILL OF LADING		OTHER
	COMMENT AND/OR CONCURRENCE		COPIES OF CHANGE ORDERS, AMENDMENT OR MODIFICATION		
	CONCUR		CHANGE NOTICE TO SUPPLIER		
	LOANED, RETURN BY:		STATUS OF MATERIAL ON PURCHASE DOCUMENT		
	SIGN RECEIPT & RETURN				
	REPLY TO THE ABOVE BY:				
	REFERENCE NOT RECEIVED				
	SUBJECT DOCUMENT FORWARDED TO				
	SUBJECT DOCUMENT RETURNED FOR				
	SUBJECT DOCUMENT HAS BEEN REQUESTED, AND WILL BE FORWARDED WHEN RECEIVED				
	COPY OF THIS CORRESPONDENCE WITH YOUR REPLY				
	ENCLOSURE NOT RECEIVED				
	ENCLOSURE FORWARDED AS REQUESTED				
	ENCLOSURE RETURNED FOR CORRECTION AS INDICATED				
	CORRECTED ENCLOSURE AS REQUESTED				
	REMOVE FROM DISTRIBUTION LIST				
	REDUCE DISTRIBUTION AMOUNT TO				

REMARKS (*Continue on reverse*)

SIGNATURE & TITLE
C. A. JOHANNESMEYER, By direction

COPY TO: NAKAZAWA CORPORATION 212 S. Tryon St., Suite 455, Charlotte, NC 28221-8101
~~FAC~~

CLASSIFICATION (*UNCLASSIFIED when detached from enclosures, unless otherwise indicated*)

LANTDIV DRAWING AND SPECIFICATION REVIEW COMMENT

5ND LANTDIV 4-4121/4 (6/78)

PROJECT	DATE DUE LANTDIV
P-808, MECHANICS TRAINING BUILDING (INCREMENT #1)	
LOCATION	**DATE RETURNED LANTDIV**
MARINE CORPS BASE, CAMP LEJEUNE, NC 28542	8 March 1985

	ARCHITECTURAL		MECHANICAL		PRELIM. 35%	REVIEWER	J. H. FITCH, PE
	STRUCTURAL		ELECTRICAL		90% SUBMITTAL	CERTIFICATION OF CO OR OICC/ROICC	
	CIVIL	X	SPECS & ESTIMATES		100% SUBMITTAL	DATE LANTDIV RETURN	

DWG. NO./ PAR. NO.	ITEM NO.	OICC/ROICC OR STATION COMMENTS (MAKE GENERAL COMMENTS ON LAST SHEET)	LANTDIV REVIEW ACTION – KEY INC. IN LANTDIV TRANS. LTR
	1.	Fire Alarm System should include coded radio fire alarm transmitter. Non-coded internal alarm is not satisfactory.	

CONSTRUCTION SCHEDULE (No. DAYS ____)

SPECIAL REQUIREMENTS (Attach if necessary)

CONCURRENCE _____

C.O. or OICC/ROICC SIGN.

SPECIAL REMARKS (For LANTDIV use only)

ENCL (/)

LANTDIV DRAWING AND SPECIFICATION REVIEW COMMENT

5ND LANTDIV 4-4121/4 (6/78)

PROJECT

P-808, MECHANICS TRAINING BUILDING (INCREMENT #1)

DATE DUE LANTDIV

LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NC 28542

DATE RETURNED LANTDIV

8 March 1985

	ARCHITECTURAL	X	MECHANICAL		PRELIM. 35%	REVIEWER T. H. HANKINS, JR. PE
	STRUCTURAL		ELECTRICAL		90% SUBMITTAL	CERTIFICATION OF CO OR OICC/ROICC
	CIVIL		SPECS & ESTIMATES		100% SUBMITTAL	DATE LANTDIV RETURN

DWG. NO./ PAR. NO.	ITEM NO.	OICC/ROICC OR STATION COMMENTS (MAKE GENERAL COMMENTS ON LAST SHEET)	LANTDIV REVIEW ACTION – KEY INC. IN LANTDIV TRANS. LTR
	1.	Insufficient information to review steam and condensate lines.	

CONSTRUCTION SCHEDULE (No. DAYS ____)

SPECIAL REQUIREMENTS (Attach if necessary)

CONCURRENCE _____

C.O. or OICC/ROICC SIGN.

SPECIAL REMARKS (For LANTDIV use only)

LANTDIV DRAWING AND SPECIFICATION REVIEW COMMENT

5ND LANTDIV 4-4121/4 (6/78) SHEET 3 OF 6

PROJECT	DATE DUE LANTDIV
P-808, MECHANICS TRAINING BUILDING (INCREMENT #1)	
LOCATION	**DATE RETURNED LANTDIV**
MARINE CORPS BASE, CAMP LEJEUNE, NC 28542	8 March 1985

	ARCHITECTURAL		MECHANICAL		PRELIM. 35%	REVIEWER: C. H. BAKER, PE
	STRUCTURAL		ELECTRICAL		90% SUBMITTAL	CERTIFICATION OF CO OR OICC/ROICC
X	CIVIL		SPECS & ESTIMATES		100% SUBMITTAL	DATE LANTDIV RETURN

DWG. NO./ PAR. NO.	ITEM NO.	OICC/ROICC OR STATION COMMENTS (MAKE GENERAL COMMENTS ON LAST SHEET)	LANTDIV REVIEW ACTION – KEY INC. IN LANTDIV TRANS. LTR
C-1	1.	Specify asphalt type on road section.	
	2.	Provide legend.	
	3.	Indicate clearing limit (same as contract limit line?)	
	4.	Provide ditch elevations and % slope.	
	5.	Provide sidewalk detail.	
	6.	Provide top and invert elevations for drop inlets, manholes, etc.	
	7.	Verify that existing utilities will accommodate building utilities.	
	8.	Provide finish grade elevations and contours.	
C-2	1.	Indicate clearing limit.	
	2.	Provide graphic scale.	
	3.	Provide finish grade elevations and contours.	
	4.	Clearly distinguish new asphalt pavement from existing.	
	5.	Indicate material of existing water, sewer, steam lines, etc. for connection purposes.	

CONSTRUCTION SCHEDULE (No. DAYS ____)

SPECIAL REQUIREMENTS (Attach if necessary)

CONCURRENCE _____

C.O. or OICC/ROICC SIGN.

SPECIAL REMARKS (For LANTDIV use only)

LANTDIV DRAWING AND SPECIFICATION REVIEW COMMENT

5ND LANTDIV 4-4121/4 (6/78)

PROJECT P-808, MECHANICS TRAINING BUILDING (INCREMENT #1)						DATE DUE LANTDIV
LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NC 28542						DATE RETURNED LANTDIV 8 March 1985
	ARCHITECTURAL	X	PLANNING	X	PRELIM. 35%	REVIEWER F. W. ESTES, Jr.
	STRUCTURAL		ELECTRICAL		90% SUBMITTAL	CERTIFICATION OF CO OR OICC/ROICC
	CIVIL		SPECS & ESTIMATES		100% SUBMITTAL	DATE LANTDIV RETURN

DWG. NO./ PAR. NO.	ITEM NO.	OICC/ROICC OR STATION COMMENTS (MAKE GENERAL COMMENTS ON LAST SHEET)	LANTDIV REVIEW ACTION – KEY INC. IN LANTDIV TRANS. LTR
	1	See attached comments for utility requirements and equipment locations. (enclosure 1)	
	2	Revised interior layout for classrooms and laboratory locations. (enclosure 2)	

CONSTRUCTION SCHEDULE (No. DAYS ____)

SPECIAL REQUIREMENTS (Attach if necessary)

CONCURRENCE _____

C.O. or OICC/ROICC SIGN.

SPECIAL REMARKS (For LANTDIV use only)

LANTDIV DRAWING AND SPECIFICATION REVIEW COMMENT

5ND LANTDIV 4-4121/4 (6/78)

SHEET 5 OF 6

PROJECT	DATE DUE LANTDIV
P-808, MECHANICS TRAINING BUILDING (INCREMENT 1)	
LOCATION	**DATE RETURNED LANTDIV**
MARINE CORPS BASE, CAMP LEJEUNE, NC 28542	8 March 1985

X	ARCHITECTURAL		MECHANICAL	X	PRELIM. 35%	REVIEWER: J. Gavin
	STRUCTURAL		ELECTRICAL		90% SUBMITTAL	CERTIFICATION OF CO OR OICC/ROICC
	CIVIL		SPECS & ESTIMATES		100% SUBMITTAL	DATE LANTDIV RETURN

DWG. NO./ PAR. NO.	ITEM NO.	OICC/ROICC OR STATION COMMENTS (MAKE GENERAL COMMENTS ON LAST SHEET)	LANTDIV REVIEW ACTION – KEY INC. IN LANTDIV TRANS. LTR
		NO COMMENT	

CONSTRUCTION SCHEDULE (No. DAYS ____)

SPECIAL REQUIREMENTS (Attach if necessary)

CONCURRENCE _____

C.O. or OICC/ROICC SIGN.

SPECIAL REMARKS (For LANTDIV use only)

LANTDIV DRAWING AND SPECIFICATION REVIEW COMMENT

LANTDIV NORVA 4-4121/4 (Rev.3/82)

PROJECT: P-808, MECHANICS TRAINING BUILDING (INCREMENT 1)						DATE DUE LANTDIV:
LOCATION: MARINE COPRS BASE, CAMP LEJEUNE, NC 28542						DATE RETURNED LANTDIV: 8 March 1985
	ARCHITECTURAL		MECHANICAL	X	PRELIM. 35%	REVIEWER: A. E. YOUNG, P.E.
	STRUCTURAL	X	ELECTRICAL		90% SUBMITTAL	CERTIFICATION OF CO OR OICC/ROICC
	CIVIL		SPECS & ESTIMATES		100% SUBMITTAL	DATE LANTDIV RETURN

DWG. NO./ PAR. NO.	ITEM NO.	OICC/ROICC OR STATION COMMENTS (MAKE GENERAL COMMENTS ON LAST SHEET)	LANTDIV REVIEW ACTION – KEY INC. IN LANTDIV TRANS. LTR
		NO COMMENT	

CONSTRUCTION SCHEDULE (No. DAYS ____)

SPECIAL REQUIREMENTS (Attach if necessary)

CONCURRENCE _____

C.O. or OICC/ROICC SIGN.

SPECIAL REMARKS (For LANTDIV use only)

MILCON PROJECT P-808
REQUIREMENTS FOR UTILITIES
(LESS SIMULATION TRAINING LABORATORIES)

LEGEND

o Required Electrical Outlets (110-115V)
●● On/Off Switch for ITV and Overhead Slide Projector
⊕ Required Electrical Outlet (220V)
✱ Required Water Sources
⊛ Deluge Shower and Eye Wash
□ Required Compressed Air Outlet

MAINTENANCE INSTRUCTIONAL SECTION
ACADEMIC CLASSROOM NO. 1

The marking system (chalkboard) is to be located on the wall behind the instructor's platform; centered above the platform; and mounted so as to be three feet from the floor of the platform to the bottom of the marking board.

The 110-115V electrical outlets (2) for the ITV's are to be high on the wall on each side of the instructor's platform. An on/off switch is to be located beside the platform so that the instructor will have easy access to the switch.

A 110-115V electrical outlet is to be located in the ceiling, in the center of the room, for a slide projector. An on/off switch is to be located beside the instructor's platform so that the instructor will have easy access to the switch.

Twenty 110-115V electrical outlets are to be located above the classroom tables for microfiche viewer usage.

The on/off light switch or switches for the classroom overhead lights should control banks of lights from front to rear to enable the instructor to darken the front of the classroom when projectors are in use. The switch should be located beside the platform so that the instructor can control the lights without leaving the platform.

An additional five 110-115V electrical outlets should be installed throughout the classroom: two in the rear, one on each side, and one at the front base (centered) of the instructor's platform.

ACADEMIC CLASSROOM NO. 2

The marking system (chalkboard) is to be located on the wall behind the instructor's platform; centered above the platform; and mounted so as to be three feet from the floor of the platform to the bottom of the marking board.

The 110-115V electrical outlets (2) for the ITV's are to be high on the wall on each side of the instructor's platform. An on/off switch is to be located beside the platform so that the instructor will have easy access to the switch.

(Encl 2)

MIL-CON PROJECT P-606

REQUIREMENTS FOR UTILITIES

(CBSS SIMULATION TRAINING LABORATORIES)

LEGEND

- Required Electrical Outlets (110-115V)
- On/Off Switch for ITV and Overhead Slide Projector
- Required Electrical Outlet (220V)
- Required Water Source
- Deluge Shower and Eye Wash
- Required Compressed Air Outlet

MAINTENANCE INSTRUCTIONAL SECTION

ACADEMIC CLASSROOM NO. 1

The marking system (chalkboard) is to be located on the wall behind the instructor's platform, centered above the platform; and mounted so as to be three feet from the floor of the platform to the bottom of the marking board.

The 110-115V electrical outlets (2) for the ITV's are to be high on the wall on each side of the instructor's platform. An on/off switch is to be located beside the platform so that the instructor will have easy access to the switch.

A 110-115V electrical outlet is to be located in the ceiling, in the center of the room, for a slide projector. An on/off switch is to be located beside the instructor's platform so that the instructor will have easy access to the switch.

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An additional five 110-115V electrical outlets should be installed throughout the classroom; two in the rear, one on each side, and one at the front base (centered) of the instructor's platform.

ACADEMIC CLASSROOM NO. 2

The marking system (chalkboard) is to be located on the wall behind the instructor's platform; centered above the platform; and mounted so as to be three feet from the floor of the platform to the bottom of the marking board.

The 110-115V electrical outlets (2) for the ITV's are to be high on the wall on each side of the instructor's platform. An on/off switch is to be located beside the platform so that the instructor will have easy access to the switch.

A 110-115V electrical outlet is to be located in the ceiling, in the center of the room, for a slide projector. An on/off switch is to be located beside the instructor's platform so that the instructor will have easy access to the switch.

The on/off light switch or switches for the classroom overhead lights should control banks of lights from front to rear to enable the instructor to darken the front of the classroom when projectors are in use. The switch should be located beside the platform so that the instructor can control the lights without leaving the platform.

An additional five 110-115V electrical outlets should be installed throughout the classroom: two in the rear, one on each side, and one at the front base (centered) of the instructor's platform.

ORGANIZATIONAL MAINTENANCE INSTRUCTIONAL LABORATORY

One 110-115V four-way electrical outlet is to be located between each bay door, with the same amount on the opposite wall. (18 outlets)

Twelve additional 110-115V electrical outlets are to be located throughout the laboratory, instructor's office space, tool room, and cleaning gear storage room.

An emergency deluge shower/eye wash is to be mounted on the wall near the deep sink room.

One water outlet is required in the deep sink room and one outlet for the electrical water cooler (E.W.C.)

Compressed air is to be provided at four outlets along the rear wall.

An on/off switch should be provided within the instructors office space, tool room, and janitor closet to control the overhead lights in those spaces.

An on/off switch should be provided at the primary entrance to the laboratory to control the overhead lights.

Consideration should be given to including a water source, valves and hoses for fire fighting stations in the Organizational Maintenance Instructional Laboratory.

AMIS

AGARTS ROOM

Four 220V electrical outlets are to be located on the front wall, two on each side of the double doors.

Six 110-115V electrical outlets are to be located throughout the AGARTS room.

Two compressed air outlets are to be provided; one on each end of the room.

An on/off switch should be provided at the primary entrance to the AGARTS laboratory to control the overhead lights.

CLASSROOM NO. 3 (F&E)

The marking system (chalkboard) is to be located on the wall behind the instructor's platform; centered above the platform; and mounted so as to be three feet from the floor of the platform to the bottom of the marking board.

The 110-115V electrical outlets (2) for the ITV's are to be high on the wall on each side of the instructor's platform. An on/off switch is to be located beside the platform so that the instructor will have easy access to the switch.

A 110-115V electrical outlet is to be located in the ceiling, in the center of the room, for a slide projector. An on/off switch is to be located beside the instructor's platform so that the instructor will have easy access to the switch.

An additional five 110-115V electrical outlets are to be installed throughout the classroom: two in the rear, one on each side, and one at the front base (centered) of the instructor's platform.

The on/off light switch or switches for the classroom overhead lights should control banks of lights from front to rear to enable the instructor to darken the front of the classroom when projectors are in use. The switch should be located beside the platform so that the instructor can control the lights without leaving the platform.

CLASSROOM/LABORATORY NO. 1 (F&E)

The marking system (chalkboard) is to be located on the wall behind the instructor's platform; centered above the platform; and mounted so as to be three feet from the floor of the platform to the bottom of the marking board.

The 110-115V electrical outlets (2) for the ITV's are to be high on the wall on each side of the instructor's platform. An on/off switch is to be located beside the platform so that the instructor will have easy access to the switch.

A 110-115V electrical outlet is to be located in the ceiling, in the center of the room, for a slide projector. An on/off switch is to be located beside the instructors platform so that the instructor will have easy access to the switch.

The on/off light switch or switches for the classroom overhead lights should control banks of lights from front to rear to enable the instructor to darkedn the front of the classroom when projectors are in use. The switch should be located beside the platform so that the instructor can control the lights without leaving the platform.

One compressed air outlet is to be located at each workbench.

An electric water cooler (E.W.C) should be located in a corner by the door.

An on/off switch should be provided at the primary entrance to the classroom/laboratory to control the overhead lights.

CLASSROOM NO. 3 (FEE)

The marking system (chalkboard) is to be located on the wall behind the instructor's platform, centered above the platform, and mounted so as to be three feet from the floor of the platform to the bottom of the marking board.

The 110-115V electrical outlets (2) for the TV's are to be high on the wall on each side of the instructor's platform. An on/off switch is to be located beside the platform so that the instructor will have easy access to the switch.

A 110-115V electrical outlet is to be located in the ceiling, in the center of the room, for a slide projector. An on/off switch is to be located beside the instructor's platform so that the instructor will have easy access to the switch.

An additional five 110-115V electrical outlets are to be installed throughout the classroom: two in the rear, one on each side and one at the front base (centered) of the instructor's platform.

The on/off light switch or switches for the classroom overhead lights should control banks of lights from front to rear to enable the instructor to darken the front of the classroom when projectors are in use. The switch should be located beside the platform so that the instructor can control the lights without leaving the platform.

CLASSROOM/LABORATORY NO. 1 (FEE)

The marking system (chalkboard) is to be located on the wall behind the instructor's platform, centered above the platform, and mounted so as to be three feet from the floor of the platform to the bottom of the marking board.

The 110-115V electrical outlets (2) for the TV's are to be high on the wall on each side of the instructor's platform. An on/off switch is to be located beside the platform so that the instructor will have easy access to the switch.

A 110-115V electrical outlet is to be located in the ceiling, in the center of the room, for a slide projector. An on/off switch is to be located beside the instructors platform so that the instructor will have easy access to the switch.

The on/off light switch or switches for the classroom overhead lights should control banks of lights from front to rear to enable the instructor to darken the front of the classroom when projectors are in use. The switch should be located beside the platform so that the instructor can control the lights without leaving the platform.

One compressed air outlet is to be located at each workbench.

An electric water cooler (E.W.C) should be located in a corner by the door.

An on/off switch should be provided at the primary entrance for the classroom/laboratory to control the overhead lights.

CLASSROOM/LABORATORY NO. 2 (F&E)

The marking system (chalkboard) is to be located on the wall behind the instructor's platform; centered above the platform; and mounted so as to be three feet from the floor of the platform to the bottom of the marking board.

The 110-115V electrical outlets (2) for the ITV's are to be high on the wall on each side of the instructor's platform. An on/off switch is to be located beside the platform so that the instructor will have easy access to the switch.

A 110-115V electrical outlet is to be located in the ceiling, in the center of the room, for a slide projector. An on/off switch is to be located beside the instructor's platform so that the instructor will have easy access to the switch.

The on/off light switch or switches for the classroom overhead lights should control banks of lights from front to rear to enable the instructor to darken the front of the classroom when projectors are in use. The switch should be located beside the platform so that the instructor can control the lights without leaving the platform.

One compressed air outlet is to be located at each workbench.

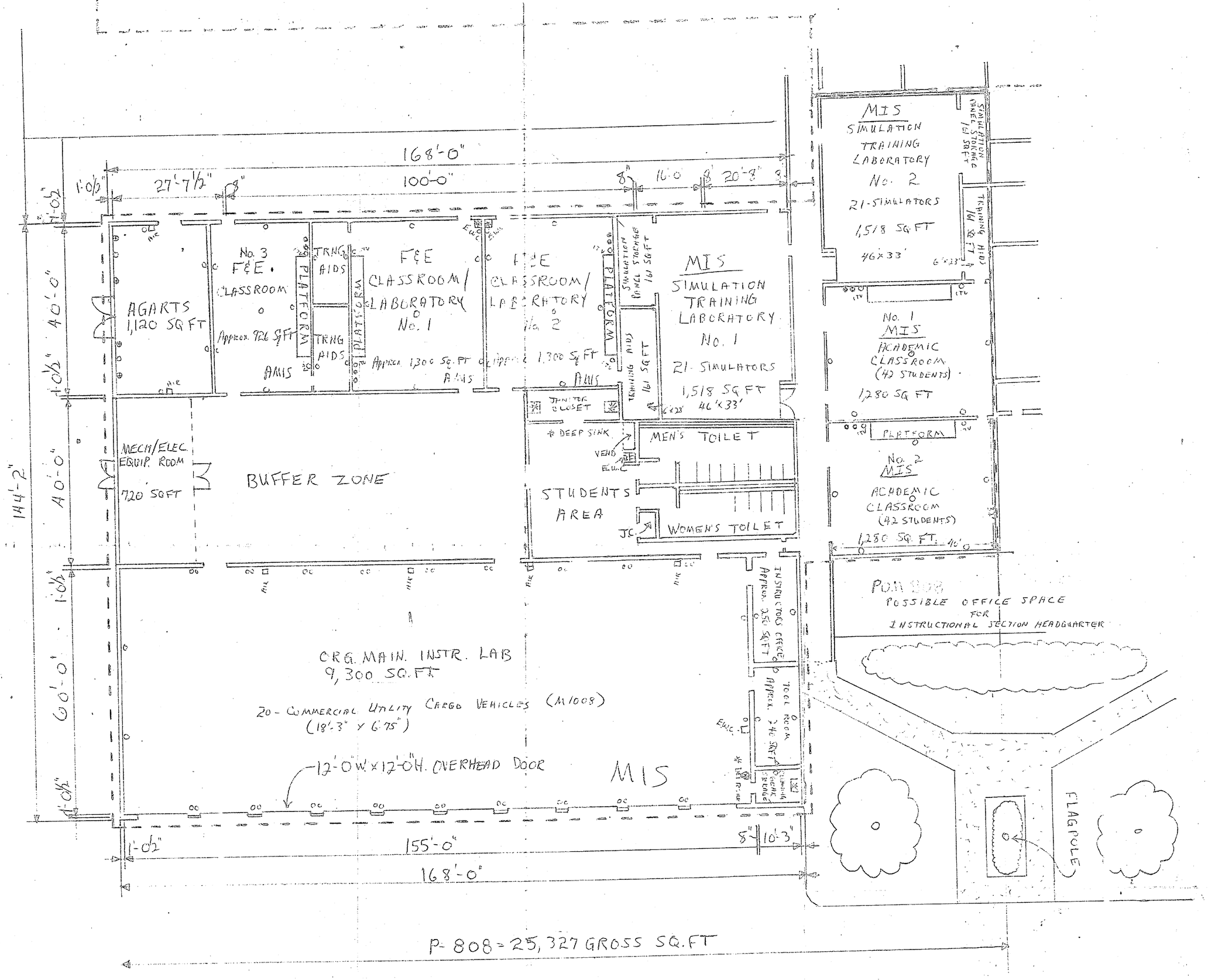
An electric water cooler (E.W.C.) should be located in a corner by the door.

An on/off switch should be provided at the primary entrance to the classroom/ laboratory to control the overhead lights.

TRAINING AID STORAGE ROOMS

Each training aid storage room should feature two 110-115V electrical outlets; one on each long wall.

An on/off switch should be provided within each training aid storage room to control the overhead lights.



LEGEND: RED POM 808 (FY-86) 9,800 SQFT
GREEN POM 809 (FY-87) 23,000 SQFT
POM 810 (FY-88) 13,400 SQFT

FLOOR PLAN
SCALE: 1/16" = 1'-0"

ENCL (3)

11010
PWO
4 MAR 1985

From: Commanding General, Marine Corps Base, Camp Lejeune
To Commandant of the Marine Corps (Code LFS-3)

Subj: COLLATERAL EQUIPMENT REQUIREMENTS FOR FY-86 MILITARY CONSTRUCTION PROGRAM

Ref: (a) MCO P11000.12B

Encl: (1) LANTDIV NORVA 4-11010/6 Collateral Equipment Requirements List for P-808 Mechanics Training Building dtd 23 Oct 84
(2) LANTDIV NORVA 4-11010/6 Collateral Equipment Requirements List for P-505, Electronics/Communications Maintenance Shop dtd 22 Feb 85
(3) LANTDIV NORVA 4-11010/6 Collateral Equipment Requirements List for P-527, Electronics/Communications Maintenance Shop dtd 22 Feb 85
(4) LANTDIV NORVA 4-11010/6 Collateral Equipment Requirements List for P-565, Electronics/Communications Maintenance Shop dtd 6 Feb 85

1. The reference provided guidance for the preparation of collateral equipment requirements lists. Accordingly enclosures (1) through (4) are submitted for your review and continuing action.

2. The subject lists for the remainder of the FY-86 program namely; P-517, Combat Vehicle Maintenance Shop, P-631 Bachelor Enlisted Quarters and P-806, Light Armored Vehicle Maintenance Shop, were sent earlier under separate cover.

3. The above projects are being submitted for budgetary purposes at this time. A revised list will be prepared at the 90% design stage, and a final submission and request for funding will be submitted one year prior to the beneficial occupancy date.

M. G. LILLEY
By direction

Copy to: (w/encls)
COMLANTNAVFACENGCOM (Code 09A23)
CG, 2D MARDIV (ATTN: FacO, encl 3 & 4 only)
CG, 2d FSSG (ATTN: FacO, encl 2 only)

Blind copy to:
CO, MCSSS (encl 1 only)
FAC

Author/Typist: M. Thompson
25Feb85, 1833

Return to 408

MARINE CORPS BASE, CAMP LEJEUNE, NC 28542

2. PROJECT TITLE
MECHANICS TRAINING BUILDING (INCREMENT 1)

P. NO.
P-808

COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUANTITY	UNIT OF ISSUE	UNIT PRICE	TOTAL COST
1. BUILT-IN EQUIPMENT TO BE MCON FUNDED:	*Venetian blinds and window screens				
	*Interior steam system				
	*Plumbing system				
	*Sprinkler System				
	*Telephone, fire alarm, and intercom systems				
	*Air conditioning system for all lecture type classrooms				
	*Instructor platform for all lecture type classrooms				
	*Exhaust gas removal system for the CUCV/Organizational Maint. laboratory				
	*Deep sinks/lavatories for all laboratory spaces				
	*External storage of, and central supply system for fuel in CUCV laboratory				
	*Provide for tier arrangement of seating in classrooms 1,2, & 3				
	*Drinking Water coolers				
	*Public Address System Wireless microphones				

COLLATERAL EQUIPMENT REQUIREMENTS (Initial Outfitting)
ENGDIV NORVA 4-11010/6 (Rev.11/81)

DATE 23 Oct 84

1. ACTIVITY (Name and Location)
MARINE CORPS BASE, CAMP LEJEUNE, NC 28542

2. PROJECT TITLE
MECHANICS TRAINING BUILDING (INCREMENT 1)

P. NO. P-808

COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUANTITY	UNIT OF ISSUE	UNIT PRICE	TOTAL COST
2. EXPENSE ITEMS:					
7110-00-132-6650	Chalkboard, Portable	1	EA	58.00	58
7110-00-843-7917	Chalkboard, hanging	3	EA	59.00	177
7110-00-286-3798	File Cabinet, 5 drawer	1	EA	218.00	218
7125-00-269-8345	Storage Cabinet	27	EA	153.00	4,131
Brodhead-Garrett 2448 Industrial Pk Dr. Macon, GA 31208 (912)781-8952	Apron and Book Rack Model 120 pg 84	28	EA	82.50	2,310
Carolina Office Supply No. T5-725-465	Magnetic Board	5	EA	376.00	1,880
3MStock No. 78-6969-1889-1	Projector Stand	3	EA	115.00	345
Carolina Office Supply No. MF-924002	Lecternette, w/AC adapter	3	EA	97.50	293
3M Stock No. 78-6969-1891-7	Podium and side table	7	EA	899.00	6,293
Carolina Office Supply No. T5-2547	Board, Dry erase magnetic, 4'x8'	6	EA	230.00	1,380.
7110-00-740-8931	Desk, single pedestal	1	EA	191.00	191
7110-00-758-6146	Desk, double pedestal	4	EA	302.00	1,208
7110-00-143-0082	Office table 60" x 34"	77	EA	105.00	8,085
7110-00-143-0821	Office table 45" x 34"	6	EA	101.00	606
7110-00-082-6226	Chair, straight, w/o arms	234	EA	32.00	7,488
7110-00-089-6791	Chair, rotary, w/arms	5	EA	51.00	255
7110-00-281-4469	Chair, drafting	54	EA	52.00	2,808
4910-00-756-0934	Work bench	52	EA	106.56	5,541

COLLATERAL EQUIPMENT REQUIREMENTS (Initial Outfitting)
LANTDIV NORVA 4-11010/6 (Rev.11/81)

DATE: 23 Oct 84

1. ACTIVITY (Name and Location)
MARINE CORPS BASE, CAMP LEJEUNE, NC 28542

2. PROJECT TITLE
MECHANICS TRAINING BUILDING (INCREMENT 1)

P. NO. P-808

COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUANTITY	UNIT OF ISSUE	UNIT PRICE	TOTAL COST
2. EXPENSE ITEMS (cont'd...)					
7520-00-205-1857	Basket, wastepaper	22	EA	6.40	141
7240-00-160-0440	Can, trash-garbage	14	EA	17.90	251
7195-00-912-9445	Bulletin board	7	EA	10.60	74
6645-00-532-3342	Clock, wall, electric	8	EA	6.00	48
4140-00-833-5068	Pedestal fan	4	EA	130.00	520
4910-00-262-0392	Jack stands, 5 ton	80	EA	18.93	1,514
4910-00-289-7233	Jack, floor, 10 ton	4	EA	584.00	2,336
4210-00-252-5343	Fire extinguisher	17	EA	114.02	1,938
4940-00-449-6689	Parts cleaner	2	EA	322.00	644
7125-01-C00-3856	Parts Rota bin 3' diameter	1	EA	508.71	509
6130-00-106-6445	Battery charger	1	EA	359.81	360
7125-00-330-0130	Cabinet, storage	1	EA	322.35	322
OP	Draperies (office)	10	PR	90.00	900
	Black out draperies for Lab and classrooms	10	PR	90.00	900
	TOTAL EXPENSE ITEMS:				53,288
3. INVESTMENT ITEMS:	Simplified test eqpt for internal combustion engines	20	EA	3,695.00	73,900
	TOTAL INVESTMENT ITEMS:				73,900
4. APA EQUIPMENT:	None				
5. TRAINING EQUIPMENT:	(To be locally funded)				
	Projection screen	5	EA	65.00	325
	Projector, 35mm slide	8	EA	185.00	1,480
	Projector, overhead	8	EA	366.00	2,928
	Projector, 16mm motion picture	3	EA	396.00	1,188
	Player, videocassette	3	EA	2,337.00	7,011

COLLATERAL EQUIPMENT REQUIREMENTS (Initial Outfitting)
LANTDIV NORVA 4-11010/6 (Rev.11/81)

DATE 23 Oct 84

1. ACTIVITY (Name and Location)
MARINE CORPS BASE, CAMP LEJEUNE 28542

2. PROJECT TITLE
MECHANICS TRAINING BUILDING (INCREMENT 1)

P. NO. P-808

COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUANTITY	UNIT OF ISSUE	UNIT PRICE	TOTAL COST
5.	TRAINING EQPT. (cont'd...)				
	Monitor, ITV	6	EA	475.00	2,850
	TOTAL TRAINING EQPT.				15,782
SUMMARY:					
	TOTAL EXPENSE ITEMS:				53,288
	TOTAL INVESTMENT ITEMS:				73,900
					127,188
	Accelerated to FY-87				146,768