NOTICE:

Bids to be opened at 2:00 p.m. at the Office of the Officer in Charge of Construction

Officer in Charge of Construction Jacksonville, North Carolina Area Camp Lejeune, North Carolina 28542 CONTRACT N62470-86-5438

NAVFAC SPECIFICATION No. 05-86-5438

STRUCTURAL, ELECTRICAL, AND MECHANICAL RENOVATION OF BUILDINGS 119,221, and 421
AT THE

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA BMO Projects 6C41, 6C43, and 6C47

DESIGN BY:

MCKIM & CREED ENGINEERS, PA 243 N. Front Street Wilmington, North Carolina

SPECIFICATION PREPARED BY:

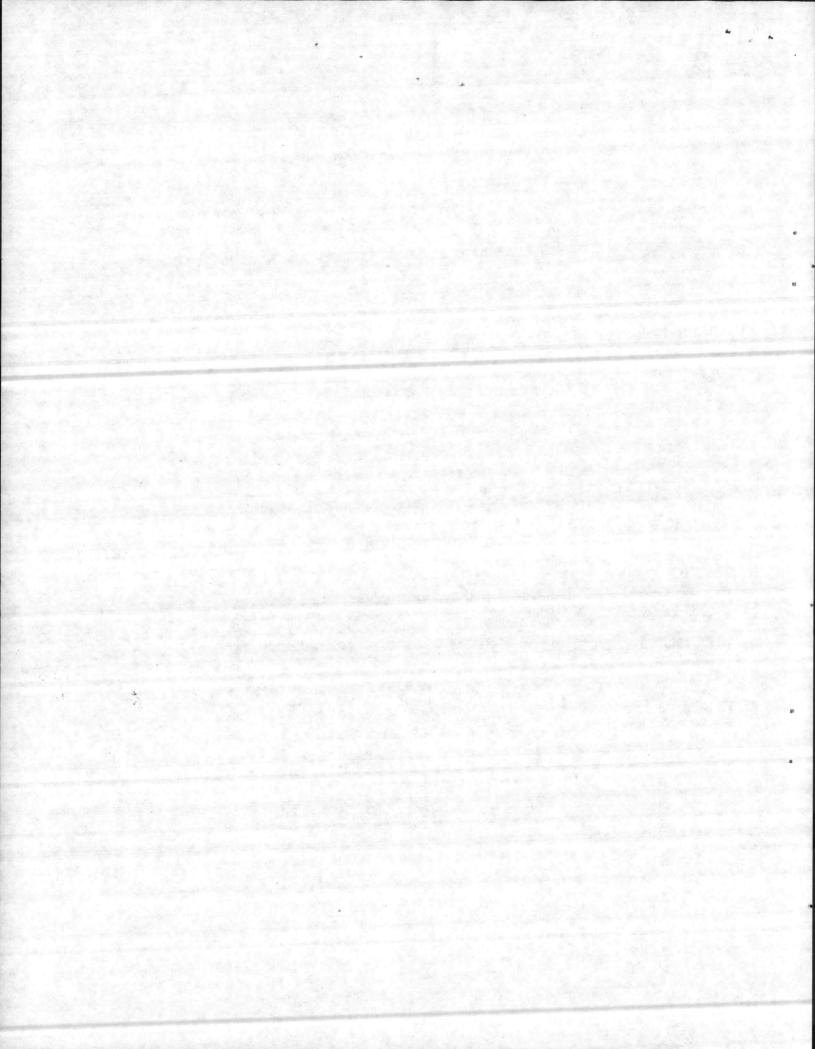
Architect: Earl Applegate, AIA Electrical: Angela E. Riddick Mechanical: Thomas F. Crow, P.E. Submitted by: Herbert P. McKim, Jr. P.E. Date: May 12, 1987

SPECIFICATION APPROVED BY:

.J. H. Fitch, P.E., Manager, Specifications and Estimates Section

F. E. Cone, P.E., Director Design Branch, Public Works Division

T. L. Huguelet, Commander, CEC, U.S. Navy for Commander, Naval Facilities Engineering Command



CONTENTS

This Invitation for Bids, IFB No. N62470-86-B-5438, consists of the following documents:

- (I) Bidding Instructions
 - (1) Solicitation, Offer and Award (Standard Form 1442 (Rev. 4-85))
 - *(2) Instructions to Bidders (Construction Contract) March 1987
- (II) Bid Submittal Documents
 - (1) Solicitation, Offer and Award (Standard Form 1442 (Rev. 4-85))
 - *(2) Representations and Certifications, September 1986
 - *(3) Bid Guaranty (Standard Form 24 (Rev. 4-85))
- (III) Contract Documents
 - (1) Solicitation, Offer and Award (Standard Form 1442 (Rev. 4-85))
 - *(2) Bid Bond (Standard Form 24 (Rev. 10-83))
 - *(3) Performance Bond (Standard Form 25 (Rev. 10-83))
 - *(4) Payment Bond (Standard Form 25A (Rev. 10-83))
 - *(5) Contract Clauses (Construction Contract) September 1986
 - (6) Labor Standards Provisions, November 1979 (Rev. 8-83)
 - *(7) NAVFAC Specification No. 05-86-5438
 - (8) Drawings identified in Section 01011 of the Specification
 - **(9) Wage Determination, Secretary of Labor Decision No. NC87-4
 BUILDING CONSTRUCTION
 - * These items are bound within the Specification at the front
- ** The Wage Determination is attached as the last page of the Specification

NOTE:

INQUIRIES

PLANS AND SPECIFICATIONS: Questions regarding the plans and Specification occurring prior to bid opening shall be presented to the Public Works Design Division, Building 1005, Marine Corps Base, Camp Lejeune, North Carolina 28542, telephone (919) 451-5507. Questions requiring interpretation of drawings and the Specification must be submitted at least ten days before bid opening. Interpretations or modifications to specifications to specifications made as a result of questions will be made by amendment only, and unless so done, all bidders should base their bids on the plans and Specification as issued.

BIDDING PROCEDURES: All questions concerning the bidding procedures shall be presented to OICC-ROICC Contract Branch, Room 26, Building 1005, Marine Corps Base, Camp Lejeune, North Carolina, telephone (919) 451-2582.

CONTENTS

SECTION 00101. Instructions to Bidders

- Contract Clauses
- Bid Bond
- Performance Bond
- Payment Bond
- Representations and Certifications
- Labor Standard Provisions Changes

DIVISION

1. General Requirements

SECTION

01010. Ceneral Paragraphs

01011. Additional General Paragraphs

01040. Cutting and Patching

01401. Contractor Inspection System

01560. Environmental Protection

01730. Operation and Maintenance Manuals

2. Sitemork

SECTION

02050. Demolition and Removal

02080. Removal & Disposal of Asbestos Materials

- 3. NOT USED
- 4. NOT USED
- 5. NOT USED
- 6. Wood and Plastics

SECTION

06201. Carpentry and Woodwork

7. Thermal and Moisture Protection

SECTION

07920. Sealants & Calking

07600. Flashing and Sheet Metal

8. Doors and Windows

SECTION .

08110. Steel Doors & Frames

08120. Aluminum Door & Frames

08210. Wood Doors

08520. Aluminum Windows

08710. Finish Hardware

08800. Glazing

DIVISION

9. Finishes

SECTION

09110. Lathing

09150. Plastering & Stuccoing

09310. Ceramic Tile, Quarry Tile, Paver Tile

09500. Accoustical Treatment

09910. Painting of Bldgs. (Field Painting)
09661. Vinyl Composition Tile on Concrete

10. Specialties

SECTION

10162. Toilet Partitions

10800. Toilet and Bath Accesories

11. NOT USED

12. NOT USED

13. NOT USED

14. NOT USED

15. Mechanical

SECTION

15011. Mechanical General Requirements 15250. Insulation of Mechanical Systems

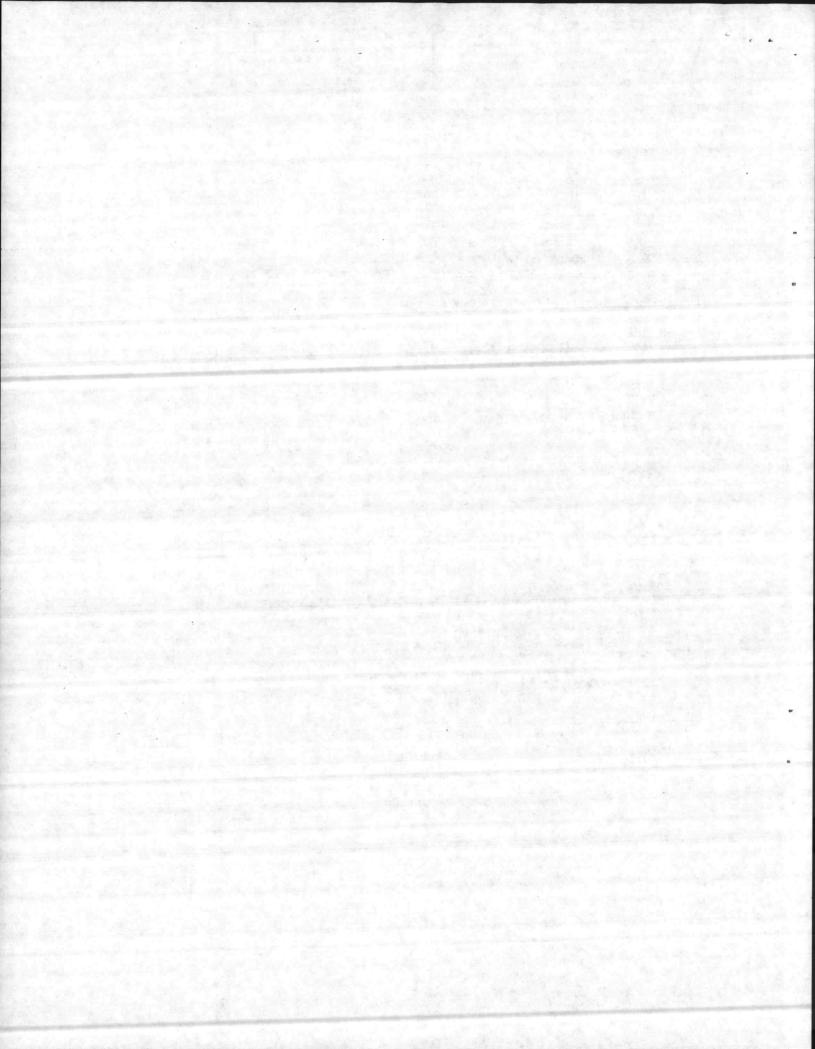
15400. Plumbing

15801. Heating, Ventilating, and Air Conditioning

16. Electrical

SECTION

16011. Electrical General Requirements
16301. Underground Electrical Work
16302. Overhead Electrical Work
16402. Interior Wiring Systems
16510. Interior Lighting
16722. Fire Alarm System



SECTION 01010

GENERAL PARAGRAPHS

- 1. GENERAL INTENTION: It is the declared and acknowledged intention and meaning to provide and secure structural, mechanical, and electrical renovations to three buildings, complete and ready for use.
- 2. GENERAL DESCRIPTION: The work includes asbestos removal, plumbing, HVAC, electrical service, lights, power, ceilings, floors, doors, windows, and painting, of three infirmary buildings built in 1941 through 1943, and incidental related work.
- 3. The work shall be located at the Marine Corps Base, Camp Lejeune, North Carolina, approximately as shown. The exact location will be indicated by the Contracting Officer. "Officer in Charge of Construction (OICC)", and "Contracting Officer", are used interchangeably in this specification and have the same meaning.
- 4. NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (APR 1984).

(Applies when the amount of the contract is in excess of \$10,000.)

- (a) The offeror's attention is called to the Equal Opportunity clause and the Affirmative Action Compliance Requirements for Construction clause of this solicitation.
- (b) The goals for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

| Goals for minority participation for each trade | Goals for Female participation for each trade | | |
|---|---|--|--|
| 23.5% | 6.98 | | |

These goals are applicable to all the Contractors's construction work performed in the covered area. If the Contractor performs construction work in a geographical area located outside of the covered area, the contractor shall apply the goals established for the geographical area where the work is actually performed. Goals are published periodically in the Federal Register in notice form, and these notices may be obtained from any Office of Federal Contract Compliance Programs office.

- (c) The Contractor's compliance with Executive Order 11246, as amended, and the regulations in 41 CFR 60-4 shall be based on (1) its implementation of the Equal Opportunity clause, (2) specific affirmative action obligations required by the clause entitled "Affirmative Action Compliance Requirements of Construction," and (3) its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade. The Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor, or from project to project, for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, Executive Order 11246, as amended, and the regulations in 41 CFR 60-4. Compliance with the goals will be measured against the total work hours performed.
- (d) The Contractor shall provide written notification to the Director, Office of Federal Contract Compliance Programs, within 10 working days following award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the-
 - (1) Name, address, and telephone number of the subcontractor;
 (i) Employer identification number of the subcontractor;

(2) Estimated dollar amount of the subcontract;

- (3) Estimated starting and completion dates of the subcontract; and
- (4) Geographical area in which the subcontract is to be performed.
- (e) As used in this Notice, and in any contract resulting from this solicitation, the "covered area" is the State of North Carolina; Counties of Columbus, Duplin, Onslow and Pender. (FAR 52.222-23)

5. REQUIRED INSURANCE:

(a) The Contractor shall procure and maintain during the entire period of performance under this contract the following minimum insurance coverage.

| Type of Insurance | Per Person | Per Accident | Property |
|---------------------------------------|------------|--------------|----------|
| 1. Comprehensive General Liability | | \$500,000 | |
| 2. Automobile Liability | \$200,000 | \$500,000 | \$20,000 |

- 3. Workmen's Compensation: As required by Federal and State workers' compensation and occupational disease statutes.
- 4. Employer's liability coverage: \$100,000, except in states where worker's compensation may not be written by private carriers.
- 5. Other as required by State law.

SECTION 01011

ADDITIONAL GENERAL PARAGRAPHS

- 1 COMMENCEMENT, PROSECUTION, AND COMPLETION OF WORK (APR 1984): The Contractor shall be required to (a) commence work under this contract within 10 calendar days after the date the Contractor receives the award, (b) prosecute the work diligently, and (c) complete the entire work ready for use within 360 calendar days. Exterior painting will not be permitted from 15 December to 15 March. Periods of time when work is prohibited by this document will not be included in calculating the completion date.
- 2 LIQUIDATED DAMAGES--CONSTRUCTION (APR 1984): (a) If the Contractor fails to complete the work within the time specified in the contract, or any extension, the Contractor shall pay to the Government as liquidated damages the sum of \$100.00 for each day of delay. (FAR 52.212-5)
- (b) If the Government terminates the Contractor's right to proceed, the resulting damage will consist of liquidated damages until such reasonable time as may be required for final completion of the work, together with any increased costs occasioned the Government in completing the work.
- (c) If the Government does not terminate the Contractor's right to proceed, the resulting damage will consist of liquidated damages until the work is completed or accepted.
- 3 DRAWINGS ACCOMPANYING SPECIFICATIONS: The following drawings accompany this specification and are a part thereof. Drawings are the property of the Government, and shall not be used for any purpose other than that contemplated by the specification. If reduced size drawings are provided, graphic scales shall be used. Full-size drawings may be inspected during regular working hours at the office of the Contracting Officer.

| NAVFAC | | |
|--------------------|------------|---|
| DWG. NO. | Sheet No. | Title |
| 4152931 | T-1 | Title Sheet |
| 4152932 | A-1 | Floor Plans, Notes, and Schedules |
| 4152933 | A-2 | Elevations, Window Schedule |
| 4152934 | A-3 | Details |
| 4152935 | A-4 | Details |
| 4152936 | P-1 | Plumbing - Demolition - New Work |
| 4152937 | P-2 | Plumbing Details |
| 4152938 | M-1 | Mechanical Demolition and New Work Details |
| 4152939 | M-2 | Mechanical Demolition Building 221; New Work Buildings 119, 221, and 421 |
| 4152940 | M-3 | Buildings 119, 221, and 421 Steam Pit Demolition |
| 4152941 | E-1 | Site-Building 119 |
| 4152942 | E-2 | Site-Building 221 |
| 4152943 | E-3 | Site-Building 421 |
| 4152944 | E-4 | Legend and Schedule |
| 4152945 4152946 | E-5 E-6 | Demolition-Buildings 119, 221, and 421 New Work-Buildings 119, 221 and 421 |
| | | - PROTESTED 전략적적으로 1440년 124일 등 전문 124일 124일 124일 124일 124일 124일 124일 124일 |

- 3.1 Drawing Verification and Control: The Contractor shall check all drawings furnished him immediately upon their receipt and shall promptly notify the Contracting Officer of any discrepancies. Figures marked on drawings shall in general be followed in preference to scale measurements. Large scale drawings shall in general govern small scale drawings. The Contractor shall compare all drawings and verify the figures before laying out the work and will be responsible for any errors which might have been avoided thereby.
- 4 SPECIFICATIONS AND PRINTS FURNISHED TO CONTRACTOR: Six copies of the project specifications, and six sets of the drawings accompanying the specifications will be furnished the Contractor without charge. Additional sets of the specifications and drawings can be obtained, if required, by application to the Contracting Officer, provided that the need therefore is justified to the satisfaction of the Contracting Office.
- 5 MATERIALS AND EQUIPMENT TO BE SALVAGED: Contract Clause entitled "Salvage Materials and Equipment" is hereby deleted. Except where specifically specified otherwise herein, all existing materials and equipment which are required to be removed or disconnected to perform the work, but are not indicated or specified for use in the new work, shall become the property of the Contractor and shall be removed from Government property.
- 6 OPERATION OF STATION UTILITIES: The Contractor shall not operate nor disturb the setting of any control devices in the station utilities system, including water, sewer, electrical, and steam services. The Government will operate the control devices as required for normal conduct of the work. The Contractor shall notify the Contracting Officer giving reasonable advance notice when such operation is required.

7 UTILITIES:

- 7.1 AVAILABILITY OF UTILITIES SERVICES: Contract clause entitled "Availability and Use of Utility Services" applies. Reasonable amounts of water and electricity from the nearest available outlet free of charge for pursuance of work under this contract. If the nearest available outlet cannot be utilized by the Contractor because of improper voltage, insufficient current, improper pressure, incompatible connectors, etc., it shall be the responsibility of the Contractor to provide temporary utilities as required. Under no circumstances will taps to Base fire hydrants for obtaining domestic water be allowed.
- 7.2 Energy and Utilities Conservation: The Contractor shall carefully conserve utilities furnished without charge. The Contractor, at his own expense and in a manner satisfactory to the Contracting Officer, shall install and maintain all necessary temporary connections and distribution lines and remove the same prior to final acceptance of the construction.
- 7.3 Location of Underground Utilities: Where existing piping, utilities, and underground obstructions of any type are indicated in locations to be traversed by new piping, ducts, and other work provided hereunder, and are not indicated or specified to be removed, the elevations