

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES	
				1 3	
2. AMENDMENT/MODIFICATION NO. W9127824R0055-0001		3. EFFECTIVE DATE 12 FEB 2025		4. REQUISITION/PURCHASE	
5. PROJECT NO. (If applicable) SHH24001		6. ISSUED BY CODE		7. ADMINISTERED BY (If other than item 6) CODE	
Corps of Engineers 109 St. Joseph St. Mobile, AL 36602					
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP code)				☒ 9A. AMENDMENT OF SOLICITATION NO. W9127824R0055 9B. DATED (SEE ITEM 11) 2 AUGUST 2024	
				☐ 10A. MODIFICATION OF CONTRACT/ORDER NO.	
				10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
☒ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☒ is extended, ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. ACCOUNTING AND APPROPRIATION DATA (if required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
☐ A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A					
☐ B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO AUTHORITY OF FAR 43.103(b)					
☐ C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
☐ D. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor ☐ is not, ☐ is required to sign this document and return copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible)					
The subject solicitation for: DEPARTMENT OF HOMELAND SECURITY (DHS) CENTER FOR DOMESTIC PREPARDNESS (CDP) (TWO PHASE) – ANNISTON, ALABAMA (CALHOUN)					
Is modified in the following: REFER TO THE ENCLOSED SPECIFICATION REVISIONS AND ADDITIONS, AND ADDED DRAWINGS FOR AMENDMENT NO. 0001					
NOTE: THIS AMENDMENT ISSUES PHASE TWO OF THIS TWO-PHASE SOLICITATION. THE PROPOSAL DUE DATE FOR PHASE TWO IS HEREBY ESTABLISHED BY THIS AMENDMENT. SEE REPLACED SF 1442 ATTACHED.					
Except as provided herein, all terms and conditions of the document reference in item 9A or 10A, as Heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICE (Type or print)		
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA BY	
(Signature of person authorized to sign)				(Signature of contracting officer)	
				16C. DATE SIGNED	

NSN 7540-01-152-8070
PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA

PART I-REVISIONS MADE BY ADDED AND/OR REPLACEMENT PARAGRAPHS/PAGES/SECTIONS

The items listed below are to be replaced by the corresponding added and/or revised paragraphs/pages or sections. Added and/or revised paragraphs/pages or sections are indicated by a note in bottom right hand corner of each paragraph or page. Added sections are hereby made a part of the contract and are to be inserted in the specification in the proper numerical/alphabetical sequence.

Within the specifications, deletions from the specifications are indicated by strikethrough, e.g.: ~~deletions are marked with strikethrough~~ and additions to the specifications including revisions/substitutions are indicated in bold, italic and underlined, e.g.: **additions are indicated thus.**

<u>SECTION</u>	<u>Corresponding Added or Revised Paragraph Page, and/or Section</u>
Cover	Replaced Solicitation Cover in its entirety.
Notice to Bidders	Replaced Notice to Bidders (Checklist for Preparation of Offers) in its entirety.
Table of Contents	Replaced Table of Contents in its entirety.
Standard Form 1442	Revised SF1442 - Solicitation, Offer, and Award
Bidding Schedule 1	Added Bidding Schedule - 1 Rates
Bidding Schedule 2	Added Bidding Schedule - 2 Seed Project
Limitations on Self-Performance Compliance (LSPC) Form	Added LSPC Form
Standard Form 24	Replaced Form in its entirety.
Standard Form 28	Replaced Form in its entirety.
Standard Form LLL	Replaced Form in its entirety.
00 12 00	Replaced Section in its entirety.
00 21 16	Replaced Section in its entirety.
00 45 00	Replaced Section in its entirety.
00 70 00	Replaced Section in its entirety.
01 00 01	Replaced Section in its entirety.
Form 1151	Replaced Form 1151.
<u>ADDED TECHNICAL SPECIFICATIONS FOR THE SEED PROJECT</u>	
01 00 00	Added Section in its entirety.
EP310-1-6a	Added Project Signs.

Wage Rates	Added Wage Rates.
01 10 12	Added Section in its entirety.
01 11 00	Added Section in its entirety.
01 30 00	Added Section in its entirety.
01 32 01.00 10	Added Section in its entirety.
01 33 00	Added Section in its entirety.
Submittal Register	Added Submittal Register.
Form 4025	Added Engineering Form 4025.
01 35 26	Added Section in its entirety.
01 42 00	Added Section in its entirety.
01 45 00	Added Section in its entirety.
01 45 00.15 10	Added Section in its entirety.
CESAM Form 696	Added CESAM Form 696.
02 82 00	Added Section in its entirety.
08 14 00	Added Section in its entirety.
09 05 61	Added Section in its entirety.
09 65 00	Added Section in its entirety.
09 68 00	Added Section in its entirety.
<u>ADDED APPENDICES</u>	
APPENDIX A	Added Appendix A in its entirety.
APPENDIX B	Added Appendix B in its entirety.
APPENDIX C	Added Appendix C in its entirety.
APPENDIX D	Added Appendix D in its entirety.

Encl as stated

Revised/Replaced pages of the specifications as indicated in Part I.
New sections as listed in Part I.

PHASE TWO

THIS PROJECT IS ADVERTISED ON A REQUEST FOR PROPOSAL (RFP), TWO-PHASE DESIGN-BUILD SOURCE SELECTION FOR TOTAL SMALL BUSINESS SETASIDE

SOLICITATION NO: **W9127824R0055**

CADD CODE: **SHH24001**

SPECIFICATIONS

FOR

DHS CENTER FOR DOMESTIC PREPAREDNESS (CDP) DESIGN/BUILD AND CONSTRUCTION

ANNISTON, ALABAMA
(CALHOUN COUNTY)

INCLUDES SEED PROJECT

DEPARTMENT OF HOMELAND SECURITY (DHS) CENTER FOR DOMESTIC
PREPAREDNESS (CDP) CAMPUS ASBESTOS CONTAINING MATERIALS (ACM)
ABATEMENT PHASE 1
ANNISTON, ALABAMA (CALHOUN COUNTY)



**US Army Corps
of Engineers** ®
Mobile District

U.S. ARMY ENGINEER DISTRICT, MOBILE
109 St. Joseph St
Mobile, Alabama 36602

“BUILDING STRONG®”



Note: Note: This project is a Two-Phase (2-step) Design Build solicitation. One solicitation has been issued covering both phases. Proposals were evaluated in Phase One to determine which offerors will submit proposals for Phase Two. This amendment incorporates the detailed project design requirements to the solicitation for the Phase Two stage of the Request For Proposals. Technical specifications and drawings are included herein. A limited number of firms were selected to participate in the second phase, and this amendment will be issued only to those selected offerors.

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BIDDING REQUIREMENTS

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	BIDDING SCHEDULE 2 - SEED PROJECT
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	STANDARD FORM 24 - BID BOND (REQUIRED FOR PHASE TWO)
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00 11 00	PHASE ONE - PROPOSAL SUBMISSION AND EVALUATION CRITERIA
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SPECIFICATIONS

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END OF PROJECT TABLE OF CONTENTS

CHECKLIST FOR PREPARATION OF OFFERS (PHASE TWO)

Before sending your offer to us, review it for the following documents--without these, your offer could be rejected.

Any questions about this solicitation, including technical questions about plans and specifications, shall be submitted via the Bidder Inquiry Portal in ProjNet at <https://www.projnet.org>. Please refer to Section 01 00 01 paragraph "REQUESTS FOR INFORMATION".

This checklist is designed for your convenience to assist you in completing your offer. Its completion does not guarantee that your offer will be acceptable. A complete and acceptable offer is solely the responsibility of the Contractor.

1. Your attention is directed to the following clause:

Section 00 45 00, FARS Clause 52.204-7, "System for Award Management (Nov 2024)". **LACK OF REGISTRATION IN THE SAM DATABASE WILL RENDER OFFEROR INELIGIBLE FOR AWARD.** Information on how to register and the time it takes is detailed in the clause.

2. Standard Form 1442 Titled "SOLICITATION, OFFER AND AWARD"

- a. Is it signed in Block 20B? Yes (Y)___Not Applicable(NA) ___
- b. Have you verified with the Project Office that you have received all Amendments? Have you acknowledged all Amendments using block 19? Y___ NA___
- c. Is the complete, correct address of the company printed in Block 14? Y___ NA___ **(ALSO INCLUDE YOUR TIN, DUNS, AND CAGE NUMBERS IN THIS BLOCK)**
- d. Are the correct phone numbers, and fax numbers including country codes, included in Block 15? Y___ NA___
- e. If the mailing address of the company is different from the address in Block 14, is the mailing address written in Block 16? Y___ NA___
- f. If you are a Partnership or Joint Venture, have all partners or joint ventures signed in Block 20; or has authority properly been delegated pursuant to the Joint Venture Agreement? Y___ NA___
- g. . If you are a Joint Venture have you submitted your Joint Venture Agreement? Y___ NA___
- h.. Is the time you are allowing for acceptance of the offer, the same or longer than the time set out in block 13?. Y___ NA___

3. Self-Performance Compliance Form

- a. Is it completely filled out? Y___ NA___

4. Representations, Certifications, and Other Statements of the Offeror

Are all of the clauses in this section completed and signed in the appropriate places and returned attached to the offer? Y___ NA___

5. The Bidding Schedule

- a. Is it completely filled out? Y___ NA___
- b. It may not be altered either as to quantities or as to items offered. Y___NA___

- c. There can be no language of limitation either as to quantities or as to items offered. Y__ NA__
- d. If you corrected your numbers, have you initialized these corrections? Y__NA__
- e. If the bidding schedule has been changed by Amendment, is the bidding schedule that you are submitting from the most recent amendment? Y__ NA__
- f. Do prices for each bid item include all costs, mark-ups and taxes (if any taxes are imposed)? Y__ NA__
- g. Is the cost of obtaining your bid and performance guarantee included in the total bid price specified on the bid schedule? Y__ NA__
- h. In preparing your bid, remember the Corps does not make advanced payments on its contracts Y__ NA__

6. Pre-award Information- A detailed list of this information is found in Section 00 12 00, "SELECTION PROCEDURES AND BASIS OF AWARD".

- a Your latest financial statement Y__ NA__
- b. Your present financial commitments Y__ NA__
- c. Your banking institutions and financial resources Y__ NA__

7. Technical Documents that Pertain to Evaluation Factors, Award will be based on the specific factors set out in Section 00 12 00, "SELECTION PROCEDURES AND BASIS OF AWARD".

- a. Have you responded to all the evaluation factors (if required by the solicitation)? Y__ NA__
- b. Is a summary of the experience and special qualifications of your Administration staff included (if required by the solicitation)? Y__ NA__
- c. Is a quality control plan included (if required by the solicitation)? Y__ NA__
- d. Are time tables and schedules included (if required by the solicitation)? Y__ NA__
- e. Is a current audit of your company's financial status included or a certificate attached to a past audit stating the financial status has not changed since the time of the past audit (if required by the solicitation)? Y__ NA__
- f. Is a list of the contracts you are currently working on attached (if required by the solicitation)? Y__ NA__
- g. Have you included a list of the names and phone numbers of references for whom you have done past contracts (if required by the solicitation)? Y__ NA__

All your documents must be in English

SOLICITATION, OFFER AND AWARD <i>(Construction, Alteration, or Repair)</i>	1. SOLICITATION NUMBER	2. TYPE OF SOLICITATION	3. DATE ISSUED	PAGE OF PAGES
	W9127824R0055	☐ SEALED BID (IFB) INVITATION FOR BID ☒ NEGOTIATED (RFP) REQUEST FOR PROPOSAL	02 AUG 2024	1 2
IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.				
4. CONTRACT NO.	5. REQUISITION/PURCHASE REQUEST NO.	6. PROJECT NUMBER		
		24R0055		
7. ISSUED BY	CODE	8. ADDRESS OFFER TO		
U.S. ARMY ENGINEER DISTRICT, MOBILE CONTRACTING DIVISION (CESAM-CT) 109 SAINT JOSEPH STREET MOBILE, AL 36628-0001	CT	SAME AS BLOCK 7		
9. FOR INFORMATION CALL :	a. NAME	b. TELEPHONE NO. (Include area code) (NO COLLECT CALLS)		
	Chandra Strenth / Eric Hurtado	(251) 441-5595 / (251) 690-2571		

SOLICITATION

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, identifying no., date):

DHS CENTER FOR DOMESTIC PREPAREDNESS (CDP) DESIGN/BUILD AND CONSTRUCTION, ANNISTON, ALABAMA (CALHOUN)

* See Section 01 00 00, Paragraph "COMMENCEMENT, PROSECUTION AND COMPLETION OF WORK".

**Block 13A. : Refer to Section 00 11 00 for the number of copies to submit with the original offer.

11. The contractor shall begin performance within <u>8</u> calendar days and complete it within <u>*</u> calendar days after receiving ☐ award, ☒ notice to proceed. This performance period is ☒ mandatory, ☐ negotiable. (See <u>52.211-10</u> .)	
12a. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? <i>(If "YES," indicate within how many calendar days after award in Item 12b.)</i> ☒ YES ☐ NO	12b. CALENDAR DAYS 10

13. ADDITIONAL SOLICITATION REQUIREMENTS:

a. Sealed offers in original and ** copies to perform the work required are due at the place specified in Item 8 by 1400 (**hour**) local time ~~10 SEPTEMBER 2024~~ 20 MARCH 2025 (date). If this is a sealed bid solicitation, offers must be publicly opened at that time.

Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.

b. An offer guarantee ☐ is, ☒ is not required.

c. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.

d. Offers providing less than 120 calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.

STANDARD FORM 1442 (12/2022)

Prescribed by GSA FAR(48 CFR) 53.236-1(d)

REVISED BY AMENDMENT NO. W9127824R0055-0001

OFFER (Must be fully completed by offeror)

14. NAME AND ADDRESS OF OFFEROR (Include ZIP Code)		15. TELEPHONE NO. (Include area code)
		16. REMITTANCE ADDRESS (Include only if different than Item 14.)
CODE	FACILITY CODE	

17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing within _____ calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirement stated in Item 13d. Failure to insert any number means the offeror accepts the minimum in Item 13d.)

AMOUNTS



18. The offeror agrees to furnish any required performance and payment bonds.

19. ACKNOWLEDGMENT OF AMENDMENTS

(The offeror acknowledges receipt of amendments to the solicitation - give number and date of each)

AMENDMENT NUMBER										
DATE										

20a. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)	20b. SIGNATURE	20c. OFFER DATE

AWARD (To be completed by Government)

21. ITEMS ACCEPTED:

22. AMOUNT		23. ACCOUNTING AND APPROPRIATION DATA	
24. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)	ITEM	25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO ☐ 10 U.S.C. 3204(a) () ☐ 41 U.S.C. 3304(a) ()	
26. ADMINISTERED BY CODE	27. PAYMENT WILL BE MADE BY		

CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE

☐ 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return _____ copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all work, requisitions identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications incorporated by reference in or attached to this contract.		☐ 29. AWARD (Contractor is not required to sign this document.) Your offer on this solicitation is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.	
30a. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN (Type or print)		31a. NAME OF CONTRACTING OFFICER (Type or print)	
30b. SIGNATURE	30c. DATE	31b. UNITED STATES OF AMERICA BY	31c. AWARD DATE

OFFEROR'S NAME: _____

BID SCHEDULE No. 1 (Year One)

(APPLICABLE TO ALL TASK ORDERS ISSUED IN THE FIRST 12 MONTH PERIOD)

CONTRACT LINE

ITEM NUMBER (CLIN)	DESCRIPTION	UNIT	UNIT PRICE

**0001 GENERAL CONTRACTOR'S (G.C.)
 FIELD SUPERVISORY AND
 MANAGEMENT OVERHEAD**

0001AA	G.C. PROJECT MANAGER	HR	\$ _____
0001AB	G.C. FIELD SUPERINTENDENT	HR	\$ _____
0001AC	G.C. QUALITY CONTROL MANAGER (WHEN SEPARATE PERSON TO BE FURNISHED)	HR	\$ _____
0001AD	G.C. FIELD OFFICE ENGINEER	HR	\$ _____
0001AE	G.C. FIELD OFFICE CLERK	HR	\$ _____

=====

(APPLICABLE TO ALL TASK ORDERS ISSUED IN THE FIRST 12 MONTH PERIOD)

**0002 INCIDENTAL PROFESSIONAL DESIGN
 SERVICES - COST TO PRIME CONTRACTOR**

0002AA	PROJECT MANAGER	HR	\$ _____
0002AB	ARCHITECT	HR	\$ _____
0002AC	ENGINEER	HR	\$ _____
0002AD	DRAFTSPERSON	HR	\$ _____
0002AE	TYPIST	HR	\$ _____
0002AF	INTERIOR DESIGNER	HR	\$ _____

=====

BID SCHEDULE No. 1 (Year One)

(APPLICABLE TO ALL TASK ORDERS ISSUED IN THE FIRST 12 MONTH PERIOD)

CONTRACT LINE

ITEM NUMBER

UNIT

(CLIN)

DESCRIPTION

UNIT

PRICE

0003 PRIME CONTRACTOR MARK-UPS TO
LABOR, EQUIPMENT, MATERIALS,
SUBCONTRACTORS, PROFESSIONAL DESIGN SERVICES

0003AA GENERAL & ADMINISTRATIVE OVERHEADS % _____
HOME OFFICE. THE PROPOSED %
WILL APPLY TO LABOR, EQUIPMENT,
MATERIALS, SUBCONTRACTS, ETC.,
IN TASK ORDERS AND ALL
MODIFICATIONS THERETO.

0003AB GENERAL & ADMINISTRATIVE OVERHEADS % _____
HOME OFFICE. THE PROPOSED % WILL
APPLY TO PROFESSIONAL DESIGN SERVICES
IN TASK ORDERS AND ALL MODIFICATIONS
THERETO.

=====

BID SCHEDULE No. 1 (Year Two)

(APPLICABLE TO ALL TASK ORDERS ISSUED IN THE SECOND 12 MONTH PERIOD)

CONTRACT LINE

ITEM NUMBER

(CLIN)

DESCRIPTION

UNIT

UNIT

PRICE

**0004 GENERAL CONTRACTOR'S (G.C.)
 FIELD SUPERVISORY AND
 MANAGEMENT OVERHEAD**

0004AA	G.C. PROJECT MANAGER	HR	\$ _____
0004AB	G.C. FIELD SUPERINTENDENT	HR	\$ _____
0004AC	G.C. QUALITY CONTROL MANAGER (WHEN SEPARATE PERSON TO BE FURNISHED)	HR	\$ _____
0004AD	G.C. FIELD OFFICE ENGINEER	HR	\$ _____
0004AE	G.C. FIELD OFFICE CLERK	HR	\$ _____

=====

(APPLICABLE TO ALL TASK ORDERS ISSUED IN THE SECOND 12 MONTH)

**0005 INCIDENTAL PROFESSIONAL DESIGN
 SERVICES - COST TO PRIME CONTRACTOR**

0005AA	PROJECT MANAGER	HR	\$ _____
0005AB	ARCHITECT	HR	\$ _____
0005AC	ENGINEER	HR	\$ _____
0005AD	DRAFTSPERSON	HR	\$ _____
0005AE	TYPIST	HR	\$ _____
0005AF	INTERIOR DESIGNER	HR	\$ _____

=====

BID SCHEDULE No. 1 (Year Two)

(APPLICABLE TO ALL TASK ORDERS ISSUED IN THE SECOND 12 MONTH PERIOD)

CONTRACT LINE

ITEM NUMBER

(CLIN)

DESCRIPTION

UNIT

UNIT

PRICE

0006 PRIME CONTRACTOR MARK-UPS TO
LABOR, EQUIPMENT, MATERIALS,
SUBCONTRACTORS, PROFESSIONAL DESIGN SERVICES

0006AA GENERAL & ADMINISTRATIVE OVERHEADS % _____
HOME OFFICE. THE PROPOSED % WILL
APPLY TO LABOR, EQUIPMENT, MATERIALS,
SUBCONTRACTS, ETC., IN TASK ORDERS AND
ALL MODIFICATIONS THERETO.

0006AB GENERAL & ADMINISTRATIVE OVERHEADS % _____
HOME OFFICE. THE PROPOSED % WILL
APPLY TO PROFESSIONAL DESIGN SERVICES
IN TASK ORDERS AND ALL MODIFICATIONS
THERETO.

=====

BID SCHEDULE No. 1 (Year Three)

(APPLICABLE TO ALL TASK ORDERS ISSUED IN THE THIRD 12 MONTH PERIOD)

CONTRACT LINE

ITEM NUMBER

(CLIN) DESCRIPTION UNIT UNIT PRICE

**0007 GENERAL CONTRACTOR'S (G.C.)
FIELD SUPERVISORY AND
MANAGEMENT OVERHEAD**

0007AA	G.C. PROJECT MANAGER	HR	\$ _____
0007AB	G.C. FIELD SUPERINTENDENT	HR	\$ _____
0007AC	G.C. QUALITY CONTROL MANAGER (WHEN SEPARATE PERSON TO BE FURNISHED)	HR	\$ _____
0007AD	G.C. FIELD OFFICE ENGINEER	HR	\$ _____
0007AE	G.C. FIELD OFFICE CLERK	HR	\$ _____

=====

(APPLICABLE TO ALL TASK ORDERS ISSUED IN THE THIRD 12 MONTH PERIOD)

**0008 INCIDENTAL PROFESSIONAL DESIGN
SERVICES - COST TO PRIME CONTRACTOR**

0008AA	PROJECT MANAGER	HR	\$ _____
0008AB	ARCHITECT	HR	\$ _____
0008AC	ENGINEER	HR	\$ _____
0008AD	DRAFTSPERSON	HR	\$ _____
0008AE	TYPIST	HR	\$ _____
0008AF	INTERIOR DESIGNER	HR	\$ _____

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BID SCHEDULE No. 1 (Year Three)

(APPLICABLE TO ALL TASK ORDERS ISSUED IN THE THIRD 12 MONTH PERIOD)

CONTRACT LINE

ITEM NUMBER

(CLIN) DESCRIPTION PRICE

0009 PRIME CONTRACTOR MARK-UPS TO
LABOR, EQUIPMENT, MATERIALS,
SUBCONTRACTORS, PROFESSIONAL DESIGN SERVICES

0009AA GENERAL & ADMINISTRATIVE OVERHEADS % _____
HOME OFFICE. THE PROPOSED % WILL
APPLY TO LABOR, EQUIPMENT, MATERIALS,
SUBCONTRACTS, ETC., IN TASK ORDERS AND
ALL MODIFICATIONS THERETO.

0009AB GENERAL & ADMINISTRATIVE OVERHEADS % _____
HOME OFFICE. THE PROPOSED % WILL
APPLY TO PROFESSIONAL DESIGN SERVICES
IN TASK ORDERS AND ALL MODIFICATIONS
THERETO.

=====

BID SCHEDULE No. 1 (Year Four)

(APPLICABLE TO ALL TASK ORDERS ISSUED IN THE FOURTH 12 MONTH PERIOD)

CONTRACT LINE ITEM NUMBER (CLIN)		DESCRIPTION	UNIT	UNIT PRICE
0010		GENERAL CONTRACTOR'S (G.C.) FIELD SUPERVISORY AND MANAGEMENT OVERHEAD		
0010AA		G.C. PROJECT MANAGER	HR	\$ _____
0010AB		G.C. FIELD SUPERINTENDENT	HR	\$ _____
0010AC		G.C. QUALITY CONTROL MANAGER (WHEN SEPARATE PERSON TO BE FURNISHED)	HR	\$ _____
0010AD		G.C. FIELD OFFICE ENGINEER	HR	\$ _____
0010AE		G.C. FIELD OFFICE CLERK	HR	\$ _____

=====

(APPLICABLE TO ALL TASK ORDERS ISSUED IN THE FOURTH 12 MONTH PERIOD)

0011		INCIDENTAL PROFESSIONAL DESIGN SERVICES - COST TO PRIME CONTRACTOR		
0011AA		PROJECT MANAGER	HR	\$ _____
0011AB		ARCHITECT	HR	\$ _____
0011AC		ENGINEER	HR	\$ _____
0011AD		DRAFTSPERSON	HR	\$ _____
0011AE		TYPIST	HR	\$ _____
0011AF		INTERIOR DESIGNER	HR	\$ _____

=====

BID SCHEDULE No. 1 (Year Four)

(APPLICABLE TO ALL TASK ORDERS ISSUED IN THE FOURTH12 MONTH PERIOD)

CONTRACT LINE

ITEM NUMBER

(CLIN) DESCRIPTION PRICE

0012 PRIME CONTRACTOR MARK-UPS TO
LABOR, EQUIPMENT, MATERIALS,
SUBCONTRACTORS, PROFESSIONAL DESIGN SERVICES

0012AA GENERAL & ADMINISTRATIVE OVERHEADS % _____
HOME OFFICE. THE PROPOSED % WILL
APPLY TO LABOR, EQUIPMENT, MATERIALS,
SUBCONTRACTS, ETC., IN TASK ORDERS AND
ALL MODIFICATIONS THERETO.

0012AB GENERAL & ADMINISTRATIVE OVERHEADS % _____
HOME OFFICE. THE PROPOSED % WILL
APPLY TO PROFESSIONAL DESIGN SERVICES
IN TASK ORDERS AND ALL MODIFICATIONS
THERETO.

=====

BID SCHEDULE No. 1 (Year Five)

(APPLICABLE TO ALL TASK ORDERS ISSUED IN THE FIFTH 12 MONTH PERIOD)

CONTRACT LINE

ITEM NUMBER

(CLIN) DESCRIPTION UNIT UNIT PRICE

**0013 GENERAL CONTRACTOR'S (G.C.)
 FIELD SUPERVISORY AND
 MANAGEMENT OVERHEAD**

0013AA	G.C. PROJECT MANAGER	HR	\$ _____
0013AB	G.C. FIELD SUPERINTENDENT	HR	\$ _____
0013AC	G.C. QUALITY CONTROL MANAGER (WHEN SEPARATE PERSON TO BE FURNISHED)	HR	\$ _____
0013AD	G.C. FIELD OFFICE ENGINEER	HR	\$ _____
0013AE	G.C. FIELD OFFICE CLERK	HR	\$ _____

=====

(APPLICABLE TO ALL TASK ORDERS ISSUED IN THE FIFTH 12 MONTH PERIOD)

**0014 INCIDENTAL PROFESSIONAL DESIGN
 SERVICES - COST TO PRIME CONTRACTOR**

0014AA	PROJECT MANAGER	HR	\$ _____
0014AB	ARCHITECT	HR	\$ _____
0014AC	ENGINEER	HR	\$ _____
0014AD	DRAFTSPERSON	HR	\$ _____
0014AE	TYPIST	HR	\$ _____
0014AF	INTERIOR DESIGNER	HR	\$ _____

=====

BID SCHEDULE No. 1 (Year Five)

(APPLICABLE TO ALL TASK ORDERS ISSUED IN THE FIFTH 12 MONTH PERIOD)

CONTRACT LINE

ITEM NUMBER

(CLIN) DESCRIPTION PRICE

0015 PRIME CONTRACTOR MARK-UPS TO
LABOR, EQUIPMENT, MATERIALS,
SUBCONTRACTORS, PROFESSIONAL DESIGN SERVICES

0015AA GENERAL & ADMINISTRATIVE OVERHEADS % _____
HOME OFFICE. THE PROPOSED % WILL
APPLY TO LABOR, EQUIPMENT, MATERIALS,
SUBCONTRACTS, ETC., IN TASK ORDERS AND
ALL MODIFICATIONS THERETO.

0015AB GENERAL & ADMINISTRATIVE OVERHEADS % _____
HOME OFFICE. THE PROPOSED % WILL
APPLY TO PROFESSIONAL DESIGN SERVICES
IN TASK ORDERS AND ALL MODIFICATIONS
THERETO.

=====

BID SCHEDULE No. 1 (Contract)

NOTES PERTAINING TO THE CONTRACT LINE ITEM SCHEDULES (FOR FIVE YEAR ORDERING PERIOD) :

1. The bid schedules will undergo price analysis per line item (CLIN).
2. See Section 01 00 04, OUTLINE OF THE TASK ORDER PROCESS, for use of CLINS in pricing sole source Task Orders, and for pricing of materials, equipment, subcontracts and other costs not covered by applicable CLINs, after contract award.
3. Contract Line Item Numbers ("CLINS" or "CLIN" for a single item) 0001 through 0003 are applicable to all Task Orders issued during the first twelve month period of the Contract. CLINS 0004 through 0006 are applicable to all Task Orders issued during the second 12 month period of the Contract. CLINS 0007 through 0009 are applicable to all Task Orders issued during the third 12 month period of the Contract. CLINS 0010 through 0012 are applicable to all Task Orders issued during the fourth 12 month period of the Contract. CLINS 0013 through 0015 are applicable to all Task Orders issued during the fifth 12 month period of the Contract. The total maximum value of the MATOC for the SAM Civil Works Boundaries is **\$49,000,000**. The Government is targeting award of at least a minimum of five (5) IDIQ contracts to participate in the MATOC pool. There is no guarantee that the awardee will receive more than the minimum obligation, which is \$1,000 for the contract.
4. The unit prices for the sub-items under CLIN 0001, (Year One), 0004 (Year Two), 0007 (Year Three), 0010 (Year Four), and 0013 (Year Five), shall represent the cost to the prime contractor for those sub-items, **not including** the prime's General and Administrative Overheads ("G & A", "Home Office", etc., as applicable) and **not including** "Profit" or "Fee", and "Bond". Prices for labor shall include all burdens, such as but not limited to: labor taxes and insurance; health, morale and welfare; direct retirement costs; other applicable fringe benefits and a small tools allowance. Do not include subcontractors' markups to the prime contractor in the labor rates.
5. The unit prices for CLINS 0002 (Year One), 0005 (Year Two), 0008 (Year Three), 0011 (Year Four), and 0014 (Year Five), "Professional Design Services", shall include all costs to the Prime Contractor, **not including** the prime's General and Administrative Overheads ("G & A", "Home Office", etc., as applicable) and **not including** "Profit" or "Fee", and "Bond". The rates per man-hour shall include all costs, such as direct salary costs, all insurance, taxes, workmen's compensation and other benefit costs, all A/E firm overheads, profits and other costs per man-hour of professional services. No additional costs/markups from an A/E firm to the contractor per man-hour on any CLIN sub-item price will be allowed.

6. The percentages for sub-items "AA" under CLINS 0003 (Year One), 0006 (Year Two), 0009 (Year Three), 0012 (Year Four) and 0015 (Year Five) shall consist of the **prime** contractor's percentage markups for "General and Administrative Expenses", to be applied to total labor, equipment, supplies, materials, and subcontracts for a Task Order. After award of a contract, Subcontractors' markups on direct job costs will be included in their proposed prices, or will be negotiated separately, if a negotiated sole source Task Order. Profit and Field Office Overhead will be negotiated on a Task Order basis. The percentages for sub-items "AB" under CLINS 0003, 0006 and 0009 shall consist of the prime contractor's percentage mark-ups for "General and Administrative Expenses", and "Bond", to be applied to the Professional Design Services for a Task Order.

6.1 Note that the current edition, at the time of pricing a Task Order, of the Corps of Engineers **"Construction Equipment Ownership and Operating Expense Schedule"** will be used to price the use of Contractor or Subcontractor owned construction equipment, in good working condition, as a direct cost. The hourly rates for such equipment already include allowances for equipment depreciation, facilities capital, mechanics, fuel, filters, oil and grease, mechanics truck, repair shops and expenses, etc.

6.2 Therefore, when establishing the proposed rates for CLINS 0003, 0006, 0009, 0012, and 0015 the Contractor should eliminate any of the above costs, applicable to construction equipment, from its "Home Office Overhead Pool", or any other indirect cost pool. Include those costs as a **direct** "Cost of Sales" or other applicable term for the denominator in determining the Overhead rate for CLINS 0003, 0006, 0009, 0012, and 0015. See FAR Subpart 31.105 for further explanation.

7. Prices are binding for the entire contract (Five Year Ordering Period).

-- END OF BID SCHEDULE NO. 1 --

BIDDER'S NAME: _____

BIDDING SCHEDULE No. 2

Item No.	Description	Estimated Quantity	Unit	Unit Price	Estimated Amount
<u>Base Bid</u>					
1.	Flooring Abatement and Replacement	1	Job	XXX	_____
2.	ACM Fire Door Replacement	1	Job	XXX	_____
<u>Total Base Bid</u>					_____

NOTES FOR BIDDING SCHEDULE NO. 2

NOTE NO. 1. To better facilitate the public bid opening process, all modifications to bids are to be submitted on copies of the latest bid schedules as published in the solicitation or the latest amendment thereto. In lieu of indicating additions/deductions to bid items, all bidders should state their revised prices for each item. The company name should be indicated on the face of the bidding schedule to preclude being misplaced.

NOTE NO. 2. Bidders must insert a price on all numbered items of the Bidding Schedule. Failure to do so will disqualify the bid.

END OF BID SCHEDULE

LIMITATIONS ON SUBCONTRACTING COMPLIANCE FORM - CONSTRUCTION (25 May 2023)
MUST BE INCLUDED WITH OFFEROR'S PROPOSAL

A. Clearly describe the work to be self performed by the Prime Contractor:

B. Calculation of Self-Performed Work:

Total Contract Value

\$ 0.00

Total cost of all materials purchased by the Prime Contractor. *Enter a negative number for this value.*

\$ 0.00

Corrected Contract Value

B1

\$ 0.00

Identify and give the dollar value of all work being done on the Site by the prime contractor's own organization and it's forces and similarly situated entities as defined by FAR 19.001.

B2

\$ 0.00

Percentage of work done by Prime = B2/B1 X 100%

(B2) / (B1) X 100%=

Prime contractors self performance percentage must be equal to or greater than 15% in accordance with FAR clause 52.219-14(e)(3)

Bid Bond (See Instructions on Page 3)		Date Bond Executed (Must Not Be Later Than Bid Opening Date)	OMB Control Number: 9000-0045 Expiration Date: 8/31/2025
Principal (Legal Name And Business Address)		Type Of Organization ("X" One) ☐ Individual ☐ Partnership ☐ Joint Venture ☐ Corporation ☐ Other (Specify)	
		State Of Incorporation	
Surety(ies) (Name And Business Address)			

Penal Sum Of Bond					Bid Identification	
Percent Of Bid Price	Amount Not To Exceed				Bid Date	Invitation Number
	Million(s)	Thousand(s)	Hundred(s)	Cents		
						For (Construction, Supplies Or Services)

Obligation:

We, the Principal and Surety(ies) are firmly bound to the United States of America (hereinafter called the Government) in the above penal sum. For payment of the penal sum, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally. However, where the Sureties are corporations acting as co-sureties, we, the Sureties, bind ourselves in such sum "jointly and severally" as well as "severally" only for the purpose of allowing a joint action or actions against any or all of us. For all other purposes, each Surety binds itself, jointly and severally with the Principal, for the payment of the sum shown opposite the name of the Surety. If no limit of liability is indicated, the limit of liability is the full amount of the penal sum.

Conditions:

The Principal has submitted the bid identified above.

Therefore:

The above obligation is void if the Principal - (a) upon acceptance by the Government of the bid identified above, within the period specified therein for acceptance (sixty (60) days if no period is specified), executes the further contractual documents and gives the bond(s) required by the terms of the bid as accepted within the time specified (ten (10) days if no period is specified) after receipt of the forms by the Principal; or (b) in the event of failure to execute such further contractual documents and give such bonds, pays the Government for any cost of procuring the work which exceeds the amount of the bid.

Each Surety executing this instrument agrees that its obligation is not impaired by any extension(s) of the time for acceptance of the bid that the Principal may grant to the Government. Notice to the Surety(ies) of extension(s) is waived. However, waiver of the notice applies only to extensions aggregating not more than sixty (60) calendar days in addition to the period originally allowed for acceptance of the bid.

Witness:

The Principal and Surety(ies) executed this bid bond and affixed their seals on the above date.

Principal

Signature(s)	1. (Seal)	2. (Seal)	3. (Seal)	Corporate Seal
Name(s) And Title(s) (Typed)	1.	2.	3.	

Individual Surety(ies)

Signature(s)	1. (Seal)	2. (Seal)
Name(s) (Typed)	1.	2.

Corporate Surety(ies)

Surety A	Name And Address		State Of Incorporation	Liability Limit (\$)	Corporate Seal
	Signature(s)	1.	2.		
	Name(s) And Title(s) (Typed)	1.	2.		
Surety B	Name And Address		State Of Incorporation	Liability Limit (\$)	Corporate Seal
	Signature(s)	1.	2.		
	Name(s) And Title(s) (Typed)	1.	2.		
Surety C	Name And Address		State Of Incorporation	Liability Limit (\$)	Corporate Seal
	Signature(s)	1.	2.		
	Name(s) And Title(s) (Typed)	1.	2.		
Surety D	Name And Address		State Of Incorporation	Liability Limit (\$)	Corporate Seal
	Signature(s)	1.	2.		
	Name(s) And Title(s) (Typed)	1.	2.		

Surety E	Name And Address		State Of Incorporation	Liability Limit (\$)	Corporate Seal
	Signature(s)	1.	2.		
	Name(s) And Title(s) (Typed)	1.	2.		
Surety F	Name And Address		State Of Incorporation	Liability Limit (\$)	Corporate Seal
	Signature(s)	1.	2.		
	Name(s) And Title(s) (Typed)	1.	2.		
Surety G	Name And Address		State Of Incorporation	Liability Limit (\$)	Corporate Seal
	Signature(s)	1.	2.		
	Name(s) And Title(s) (Typed)	1.	2.		

Instructions

1. This form is authorized for use when a bid guaranty is required. Any deviation from this form will require the written approval of the Administrator of General Services.
2. Insert the full legal name and business address of the Principal in the space designated "Principal" on the face of the form. An authorized person shall sign the bond. Any person signing in a representative capacity (e.g., an attorney-in-fact) must furnish evidence of authority if that representative is not a member of the firm, partnership, or joint venture, or an officer of the corporation involved.
3. The bond may express penal sum as a percentage of the bid price. In these cases, the bond may state a maximum dollar limitation (e.g., 20% of the bid price but the amount not to exceed _____ dollars).
4. (a) Corporations executing the bond as sureties must appear on the Department of the Treasury's list of approved sureties and must act within the limitations listed therein. The value put into the Liability Limit block is the penal sum (i.e., the face value) of the bond, unless a co-surety arrangement is proposed.

(b) When multiple corporate sureties are involved, their names and addresses shall appear in the spaces (Surety A, Surety B, etc.) headed "Corporate Surety(ies)." In the space designated "Surety(ies)" on the face of the form, insert only the letter identifier corresponding to each of the sureties. Moreover, when co-surety arrangements exist, the parties may allocate their respective limitations of liability under the bond, provided that the sum total of their liability equals 100% of the bond penal sum.

(c) When individual sureties are involved, a completed [Affidavit of Individual Surety \(Standard Form 28\)](#) for each individual surety, shall accompany the bond. The Government may require the surety to furnish additional substantiating information concerning its financial capability.

5. Corporations executing the bond shall affix their corporate seals. Individuals shall execute the bond opposite the word "Corporate Seal"; and shall affix an adhesive seal if executed in Maine, New Hampshire, or any other jurisdiction requiring adhesive seals.
6. Type the name and title of each person signing this bond in the space provided.
7. In its application to negotiated contracts, the terms "bid" and "bidder" shall include "proposal" and "offeror."

Paperwork Reduction Act Statement - This information collection meets the requirements of 44 USC § 3507, as amended by section 2 of the Paperwork Reduction Act of 1995. You do not need to answer these questions unless we display a valid Office of Management and Budget (OMB) control number. The OMB control number for this collection is 9000-0045. We estimate that it will take 1 hour to read the instructions, gather the facts, and answer the questions. Send only comments relating to our time estimate, including suggestions for reducing this burden, or any other aspects of this collection of information to: General Services Administration, Regulatory Secretariat Division (M1V1CB), 1800 F Street, NW, Washington, DC 20405.

Affidavit Of Individual Surety (See instructions on page 4)		OMB Control Number: 9000-0001 Expiration Date: 1/31/2027
State Of	County Of	ss.

I, the undersigned, being duly sworn, depose and say that I am: (1) the surety to the attached bond(s); (2) a citizen of the United States; and of full age and legally competent. Where the sureties are acting as co-sureties, we, the Sureties, bind ourselves in such sum "jointly and severally" as well as "severally" only for the purpose of allowing a joint action or actions against any or all of us. For all other purposes, each Surety binds itself, jointly and severally with the Principal. I recognize that statements contained herein concern a matter within the jurisdiction of an agency of the United States and the making of a false, fictitious or fraudulent statement may render the maker subject to prosecution under Title 18, United States Code Sections 1001 and 494. This affidavit is made to induce the United States of America to accept me as surety on the attached bond.

1. Name (First, Middle, Last) (Type or Print)	2A. Home Address (Number, Street, City, State, ZIP Code)	
3. Type And Duration Of Occupation	2B. Telephone Number	2C. Email Address
4A. Name And Address Of Employer (Number, Street, City, State, ZIP Code) (If self-employed, so state)	5A. Name And Address Of Individual Surety Broker Used (Number, Street, City, State, ZIP Code)	
	5B. Surety Broker Email Address	
4B. Employer Email Address	5C. Home Telephone Number	5D. Business Telephone Number
6A. Name And Address Of Financial Institution Submitting The Pledge Of Securities On Behalf Of Individual Surety (Number, Street, City, State, ZIP Code)	6B. Financial Institution Email Address	6C. Routing Transit Number (RTN)
	6D. Contact Person Name	6E. Contact Person Telephone Number
	6F. Contact Person Email Address	

7. The Following Is A True Representation Of The Assets I Have Pledged To The United States In Support Of The Attached Bond. (List The Committee On Uniform Securities Identification Procedures (CUSIP) Number And Par (Face) Amount Of Each Security).

-
8. Identify All Liens, Judgements, Or Any Other Encumbrances Involving Subject Assets.

9. Identify All Bonds, Including Bid Guarantees, For Which The Subject Assets Have Been Pledged Within Three Years Prior To The Date Of Execution Of This Affidavit.

Documentation Of The Pledged Asset Must Be Attached.

10. Signature	11. Bond And Contract To Which This Affidavit Relates (where appropriate)

12. Subscribed And Sworn To Before Me As Follows:			Official Seal
a. Date Oath Administered	b. City And State (or other jurisdiction)		
Month Day Year			
c. Name And Title Of Official Administering Oath (type or print)	d. Signature	e. My Commission Expires	

Instructions

1. Individual sureties on bonds executed in connection with Government contracts must complete and submit this form with the bond. (See Federal Acquisition Regulation (FAR) 28.203, 53.228(e).) The surety must have the completed form notarized.
2. No corporation, partnership, or other unincorporated association or firm, as such, is acceptable as an individual surety (i.e. must be a natural person). Likewise, members of a partnership are not acceptable as sureties on bonds that a partnership or an association, or any co-partner or member thereof, is the principal obligor. An individual surety will not include any financial interest in assets connected with the principal on the bond that this affidavit supports.
3. United States citizenship is a requirement for individual sureties for contracts and bonds when the contract is awarded in the United States. However, when the Contracting Officer is located in an outlying area or a foreign country, the individual surety is only required to be a permanent resident of the area or country in which the contracting officer is located.
4. All signatures of the affidavit submitted must be originals. Affidavits bearing reproduced signatures are not acceptable. An authorized person must sign the bond. Any person signing in a representative capacity (e.g., an attorney-in-fact) must furnish evidence of authority if that representative is not a member of a firm, partnership, or joint venture, or an officer of the corporation involved.

Paperwork Reduction Act Statement

This information collection meets the requirements of 44 USC § 3507, as amended by section 2 of the Paperwork Reduction Act of 1995. You do not need to answer these questions unless we display a valid Office of Management and Budget (OMB) control number. The OMB control number for this collection is 9000-0001. We estimate that it will take 0.3 hours to read the instructions, gather the facts, and answer the questions. Send only comments relating to our time estimate, including suggestions for reducing this burden, or any other aspects of this collection of information to: U.S. General Services Administration, Regulatory Secretariat Division (MVCB), 1800 F Street, NW, Washington, DC 20405.

Approved by OM
0348-0046

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352
(See reverse for public burden disclosure.)

[illegible]

INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient, at the initiation or receipt of a covered Federal action, or a material change to a previous filing, pursuant to title 31 U.S.C. section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with a covered Federal action. Use the SF-LLL-A Continuation Sheet for additional information if the space on the form is inadequate. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence the outcome of a covered Federal action.
2. Identify the status of the covered Federal action.
3. Identify the appropriate classification of this report. If this is a followup report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered Federal action.
4. Enter the full name, address, city, state and zip code of the reporting entity. Include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the 1st tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.
5. If the organization filing the report in item 4 checks "Subawardee", then enter the full name, address, city, state and zip code of the prime Federal recipient. Include Congressional District, if known.
6. Enter the name of the Federal agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.
8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal (RFP) number; Invitation for Bid (IFB) number; grant announcement number; the contract, grant, or loan award number; the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "RFP-DE-90-001."
9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitment for the prime entity identified in item 4 or 5.
10. (a) Enter the full name, address, city, state and zip code of the lobbying entity engaged by the reporting entity identified in item 4 to influence the covered Federal action.

(b) Enter the full names of the individuals(s) performing services, and include full address if different from 10 (a). Enter Last Name, First Name, and Middle Initial (MI).
11. Enter the amount of compensation paid or reasonably expected to be paid by the reporting entity (item 4) to the lobbying entity (item 10). Indicate whether the payment has been made (actual) or will be made (planned). Check all boxes that apply. If this is a material change report, enter the cumulative amount of payment made or planned to be made.
12. Check the appropriate box(es). Check all boxes that apply. If payment is made through an in-kind contribution, specify the nature and value of the in-kind payment.
13. Check the appropriate box(es). Check all boxes that apply. If other, specify nature.

Provide a specific and detailed description of the services that the lobbyist has performed, or will be expected to perform, and the date(s) of any services rendered. Include all preparatory and related activity, not just time spent in

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, D.C. 20503.

**DISCLOSURE OF LOBBYING ACTIVITIES
CONTINUATION SHEET**

Approved by OM
0348-0046

Reporting Entity: _____ Page _____ of _____

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Section 00 12 00
PHASE TWO - PROPOSAL SUBMISSION REQUIREMENTS, EVALUATION CRITERIA,
SELECTION PROCEDURES AND BASIS OF AWARD

1.0 OVERVIEW.

1.1 Those Offerors selected to move forward following Phase One are invited to submit a Phase Two proposal, as indicated below. The Government will evaluate the proposals in accordance with the evaluation criteria and evaluation rating scheme described herein. The basis of award is also described herein. Competing Offerors shall submit proposals that include the information required below to demonstrate understanding of the solicitation criteria and capability to successfully complete the work described in this solicitation. The Phase Two evaluation will be conducted in accordance with FAR Part 15.

1.2 For Phase Two, Offerors must submit non-priced information and will also be required to provide rates for key disciplines, overhead and other unit costs, and pricing for the Seed project. Non-priced Phase Two information will consider a technical approach for the Seed project. The Government is not obligated to award a contract to all Offerors competing in Phase Two. The Government reserves the right to reject any and/all offers in Phase Two.

1.3 The scope of the Seed project is as indicated in this solicitation.

2.0 PHASE TWO - PROPOSAL SUBMISSION REQUIREMENTS.

2.1 Only those firms selected during Phase One for participation in Phase Two may submit a proposal.

2.2 Submit the electronic proposal package to the U.S. Army Corps of Engineers via Procurement Integrated Enterprise Environment (PIEE) website (<https://piee.eb.mil/xhtml/unauth/home/login.xhtml> -OR- <https://piee.eb.mil>). Emailed submissions of proposals are not permitted and will not be accepted under any circumstances. The Government must receive your proposal no later than the time and date specified in Block 13 of SF 1442. The PIEE system notification must show the proposal submission prior to the specified time. Any and all amendments to the solicitation shall be acknowledged by signing on each amendment (SF30) and by completing Block 19 of the SF 1442. Offerors shall confirm proposal receipt by emailing the Points of Contact listed on the SF1442.

2.3 Submit your proposal as follows:

- Submit one (1) electronic copy of the entire proposal ("Volume III and IV") in Portable Document File (PDF) format. Label the pdf "24R0055- OfferorName-Vol III-IV".
- Submit one (1) electronic copy of Volume IV in Portable Document File (PDF) format. Label the pdf "24R0055-OfferorName-Vol IV".
- Hard copies are not required to be submitted and will not be accepted or evaluated. However, when formatting the PDF files the page size should be 8-1/2" x 11" for all pages except schedules and organizational charts, as applicable, which should be 11" x 17" (counts as one sheet toward page limitation).

- Original Bid Bonds shall be submitted electronically with the proposal. Bid Bonds shall be submitted with Volume III. Failure to comply with this requirement will disqualify the offeror from competition.

2.4 To effectively and equitably evaluate proposals, the Source Selection Evaluation Board (SSEB) must receive information, in the order described below, that clearly describes an Offeror's capabilities to successfully execute design and construction in support of this MATOC. It is therefore an Offeror's responsibility to submit proposal information that is fully responsive to the submission requirements of this section. Offerors are responsible for organizing material sequentially under tabs and numbered pages as set out below to facilitate evaluation. Materials that are not properly organized may easily be overlooked during evaluations, possibly affecting an Offeror's rating. Offers should be concise, addressing only the information outlined in this section.

2.5 Volume III - Administrative Requirements (Including Price). Prior to making an award, the Contracting Officer must determine that any offeror is responsible both financially and technically and has the capability to properly manage the contract during performance and complete the work on time.

2.5.1 The offeror is to submit the following information: (1) Standard Form 1442, and acknowledgement of all amendments, (2) proposal bid schedules, and (3) representations and certifications. In Volume III, offerors shall also submit the required pre-award information, which includes but is not limited to:

(a) A list of present commitments, including the dollar value thereof. For a newly formed Joint Venture (JV), each JV partner must submit a list of present commitments.

(b) Bid Bonds as required.

(c) Self Performance Compliance Form as required.

(d) Financial Statement. Submit a copy of your most recent financial statement. The statement must include a Balance Sheet and Income Statement. If the financial statement is more than 60 days old, attach a certificate stating that the financial condition is substantially the same, or if not the same, describe the changes that have taken place since the financial statement was prepared. Provide evidence of adequate financing arrangements, such as commitments from lending institutions, etc., to perform this contract. Include the names of banks or other financial institutions with which business is conducted (mailing addresses, points of contact and phone number). Reference letters should include, but is not limited to, the following information: (1) the date the offeror's account was open with the financial institution, (2) the average balance for the last 12 months on the offeror's account (i.e., balance in the xx digits), (3) if there is a credit line established with the financial institution, what is the credit amount and how much is available at this time? If not, would the financial institution be willing to establish a line of credit for the offeror? And if so, for how much (i.e., low xx figure range), (4) how the financial institution evaluates the offeror as a customer (i.e., poor, fair, very good, excellent, etc.), and (5) the financial institution should declare whether the offeror's account is in good standings. This information will be treated confidentially but may be checked for verification.

(e) All other documentation as identified in the Contract Clauses specifications sections within this solicitation.

2.5.3 Price Breakdown Requirements. The Government may request price breakdown, even when discussions are not going to be held. The price breakdown information is not required to be submitted with the initial proposal; however, may be requested by the Government after initial proposal submission.

3.0 PHASE TWO - EVALUATION CRITERIA.

3.1 There are two volumes required for this proposal. Volume III will include pricing and certain administrative requirements that are not rated. Volume IV has one (1) rated non-price factor.

3.2 In Phase Two, the factor ratings assigned in Phase One will not roll over to Phase Two. Only the Phase Two evaluation factor listed below will be used to conduct the non-price/price tradeoff analysis and make award.

PHASES TWO - EVALUATION FACTORS AND ORDER OF RELATIVE IMPORTANCE

Volume/Tab	Factor - Description	Relative Importance
Volume III	Administrative Requirements (Including Price)	Not Rated. Price evaluated through Price Analysis.
Volume IV	Factor 4 - Technical Approach for the Seed Project	1 st in relative importance

All evaluation factors, when combined, are significantly more important than price.

3.3 Volume IV - Factor 4 - Technical Approach for the Seed Project. The offeror must submit a narrative to explain its capabilities to execute the design and construction for the Seed Project. The response to Factor 4 shall be limited to 20 pages. Address each of the following items, in a narrative format:

(a) Seed Project Approach - Provide a narrative of the project requirements and the plan for accomplishing those requirements, to include the methods to be employed and any logistical/site limitations under which work must be performed, coordination with the Government, and permitting, as required. The narrative shall also include identification of the major features of work, and shall include site conditions and constraints, and logistics planning and constraints.

(b) Seed Project Preliminary Schedule - Provide a preliminary design and construction schedule to demonstrate an understanding of the Seed project. As a minimum, include key tasks with durations for such activities as site investigation(s), permitting, project site phasing, design submittals/ phase(s) including the number of days for government reviews, and the construction phase of the project to include closeout and turnover activities. Clearly indicate the major milestones for major work features. Ensure the project duration meets the solicitation requirements in calendar days starting from the Government's notice to proceed (NTP) to Closeout Documents approval. The preliminary project schedule shall state the scheduling software including version to be used that is compatible with the QCS software. This section shall include both a narrative and a traditional

CPM schedule. The preliminary construction schedule does not count against the page limitation for Factor 4.

(c) Seed Project Self-Performance - Provide a description of the work to be self-performed by the prime contractor.

(d) Provide list of specialty subcontractors, including specialty subcontractors required for the handling of hazardous materials, intended to be used for the Seed project. At a minimum, provide the names of the subcontractors, the general scope/trades they will perform, and previous project experience demonstrating successful construction similar to the Seed project requirement for the proposed scope/trades, if any.

4.0 PHASE TWO - EVALUATION PROCESS.

4.1 A Source Selection Evaluation Board (SSEB) composed of U.S. Army Corps of Engineers personnel, Using Activity representatives, and, as necessary, technical advisors will conduct the evaluation. The number and identities of offerors are not revealed to anyone not involved in the evaluation and award process or to other offerors. The SSEB will evaluate proposals, using the factors and evaluation criteria described in this section.

4.2 The evaluation process for Phase Two consists of four parts: Proposal Compliance Review, Non-Price Factor Evaluation, Price Evaluation, Non-Price/Price Trade-Off Analysis.

4.2.1 Proposal Compliance Review. This is an initial check by Contracting Division to ensure that all required forms are complete, and in compliance with all administrative and submission criteria.

4.2.2 Non-Price Factor Evaluation. In accordance with the solicitation, each member of the SSEB will conduct an independent review of the proposals. The review will be an in-depth, systematic evaluation of the proposal against the submission criteria and evaluation factors. After these reviews, the SSEB, by consensus, will provide a rating for each evaluation factor supported by a justifying narrative. The Offeror's ratings are confidential, and will remain in the Contracting Officer's files. Upon completion of the evaluations, the results will be provided to the Contracting Officer in the form of a Proposal Analysis Report.

4.2.3 Price Evaluation. The Government will initially review pricing independently from the factor evaluation. Price is not rated but will be analyzed for fairness and reasonableness through the use of cost and/or price analysis. The price analysts will also check for appearance of unbalanced pricing. Per FAR 15.404-1(g), unbalanced pricing exists when, despite an acceptable total evaluated price, the price of one or more contract line items is significantly over or understated as indicated by the application of cost or price analysis techniques. The Government may reject an offer as non-responsive if it is materially unbalanced. The price evaluation will document the fairness and reasonableness of the proposed bid. If adequate price competition exists, no additional cost information will be requested. However, if at any time during this competition the Contracting Officer determines that further analysis is needed, detailed cost breakdowns may be requested.

4.2.4 Non-Price/Price Trade-Off Analysis. In determining the awardee for the MATOC, the factor ratings from Phase Two will be used during the non-

price/price tradeoff analysis. After price analysis of the Bid Schedules and the factor evaluations are completed, the Government will then consider the prices in connection with the factor ratings, comparing the relative advantages and disadvantages of the proposals and prices. If the Contracting Officer determines discussions are not required, the Contracting Officer, relying on the Board's report and independent business judgment, will decide which offeror is to be awarded the contract. This decision, reflected in the Source Selection Decision Document (SSDD), will be based on the proposal that offers the best value to the Government in terms of their Phase Two factor ratings and price. This may result in an award being made to higher rated, yet higher price offeror where the decision is consistent with the solicitation's evaluation factors and the Contracting Officer reasonably determines that the superiority of the non-price factor ratings of the higher priced offeror justifies the additional costs.

4.2.4.1 If discussions are required, some trade-off analysis will be conducted to determine which offerors are to be included in the competitive range. At the conclusion of discussions, and receipt of Final Proposal Revisions, additional evaluation will be conducted by the SSEB, and the Contracting Officer will conduct a final trade-off analysis to determine the awardee.

4.3 Evaluation of Factor 4 - Technical Approach for the Seed Project. The SSEB will evaluate the narrative to assess the Offeror's overall understanding of the requirements of the project given the narrative for the Seed project approach for its logic and reasonableness. The schedule will be assessed for its logic, reasonableness of scheduled activities/tasks, and task durations necessary to complete construction, within the required performance period. More consideration will not be given for schedules that reflect completion ahead of the maximum period of performance stated in the solicitation. The SSEB will evaluate the description of work to be self-performed by the prime contractor to assess the Offeror's understanding of the requirements of the contract for self-performance measures. The SSEB will evaluate the intended subcontractors to assess the Offeror's probability of success for the subcontracted trades and assess the Offeror's understanding of the requirements of the project. The SSEB will determine the strengths, weaknesses and deficiencies, if any, in the approach presented, and then assign an overall combined technical/risk ratings as shown below. The technical rating reflects the degree to which the proposed approach meets or does not meet the minimum technical requirements.

Ratings	Combined Technical/Risk Rating Definitions
OUTSTANDING	Proposal indicates an exceptional approach and understanding of the requirements and contains multiple strengths, and risk of unsuccessful performance is low.
GOOD	Proposal indicates a thorough approach and understanding of the requirements and contains at least one strength, and risk of unsuccessful performance is low to moderate.
ACCEPTABLE	Proposal meets requirements and indicates an adequate approach and understanding of the requirements, and risk of unsuccessful performance is no worse than moderate.
MARGINAL	Proposal has not demonstrated an adequate approach and understanding of the requirements, and/or risk of unsuccessful performance is high.
UNACCEPTABLE	Proposal does not meet requirements of the solicitation, and thus, contains one or more deficiencies, and/or risk of

	unsuccessful performance is unacceptable. Proposal is unawardable.

The technical risk rating reflects the degree to which the proposed approach meets or does not meet the minimum technical requirements. The technical risk rating definitions in support of the above referenced table are as follows:

- a) Low - Low risk means the proposal may contain weakness(es) which have little potential to cause disruption of schedule, increased cost or degradation of performance. Normal contractor effort and normal Government monitoring will likely be able to overcome any difficulties.
- b) Moderate - Moderate risk means the proposal contains a significant weakness of combination of weaknesses which may potentially cause disruption of schedule, increased cost or degradation of performance. Special contractor emphasis and close Government monitoring will likely be able to overcome difficulties.
- c) High - High risk means the proposal contains a significant weakness or combination of weaknesses which is likely to cause significant disruption of schedule, increased cost or degradation of performance. Is unlikely to overcome any difficulties, even with special contractor emphasis and close Government monitoring.
- d) Unacceptable - Unacceptable risk means the proposal contains a material failure or a combination of significant weaknesses that increases the risk of unsuccessful performance to an unacceptable level.

4.4 Additional definitions used in all factors.

4.4.1 Deficiency.

(a) A material failure of a proposal to meet a Government requirement or combination of significant weaknesses in a proposal that increases the risk of unsuccessful contract performance to an unacceptable level. (FAR 15.001)

(b) The evaluators will identify the RFP requirement, and describe why a deficiency or deficiencies exist in the proposal. All deficiencies discovered will be identified to the Offeror during discussions, if conducted, and in the debriefing. Failure by an Offeror to rectify deficiencies will preclude award action to that Offeror.

(c) The Contract requirements take precedence over deficiencies (or deviations) discovered after award.

(d) Deviation. Proposal implies or specifically offers something below specified criteria. The Offeror may or may not have called the deviation to the Government's attention. A deviation is a deficiency. The technical reviewers will identify any deviations.

4.4.2 Clarification. Means limited exchanges, between the Government and Offerors that may occur when award without discussions is contemplated. Offeror may be given the opportunity to clarify certain aspects of the proposals or to resolve minor or clerical errors. Clarification does not give the Offeror an opportunity to revise or modify its proposal, except to the extent that corrections of apparent clerical mistakes results in a revision. Clarifications do not require "discussions" or submission of another proposal.

4.4.3 Weakness.

(a) Means a flaw in the proposal that increases the risk of unsuccessful contract performance. A "significant weakness" in the proposal is a flaw that appreciably increases the risk of unsuccessful contract performance.

(b) All significant weaknesses discovered will be identified to the Offeror during discussions, if conducted, and in the debriefing. Failure by an Offeror to rectify multiple significant weaknesses deemed essential will preclude award action to that Offeror.

4.4.4 Strength. Any aspect of a proposal that, when judged against a stated evaluation criterion, enhances the merit of the proposal or increase the probability of successful performance of the contract. A "significant strength" appreciably enhances the merit of a proposal or appreciably increases the probability of successful contract performance.

5.0 PHASE TWO - DISCUSSIONS. The Government intends to make award on the basis of initial Phase Two offers without holding discussions. However, the Government reserves the right to conduct discussions, and allow proposal revisions, if the Contracting Officer determines that discussions are in the Government's best interest. These discussions and any proposal revisions, however, will be limited to Phase Two information. Offerors are cautioned that discussions may not be conducted and offerors should not assume that they will have an opportunity to revise their Phase Two proposals after submission, and under no circumstances will the Government discuss or accept revisions of Phase One proposals.

5.1 If discussions for Phase Two are deemed necessary, the Contracting Officer will include only those firms determined to be the most highly rated; those whose proposals are reasonably susceptible to being made acceptable; that are not so deficient as to essentially require major revisions or a total re-write. Additionally, the Government may exclude an offer that is so unreasonably priced, in relation to other competitive offers, that there will be little or no chance of becoming competitive. In certain circumstances, the Government may limit offers in the competitive range to a number that will permit an efficient competition.

If discussions are held, Offerors are required to submit their responses to comments electronically. If discussions are held, detailed instructions on responses will be provided. Electronic submissions shall meet the submission deadline set forth by the SSA during discussions or indicated in the Amendment requesting the Final Proposal Revisions. The SSA/CO will notify all Offerors in the competitive range, in writing, how and when interim revisions and final proposals revisions are to be submitted.

5.2 Upon conclusion of discussions, those offerors still within the competitive range will be afforded an opportunity to revise their proposal and to submit their final proposal revisions for evaluation.

6.0 THE SELECTION PROCESS.

6.1 The Contracting Officer will perform the previously discussed Non-Price/Price Trade-Off Analysis considering non-price evaluation factors and price. The Contracting Officer, independently exercising prudent business judgement, will make the Source Selection Decision based on the Offerors

whose proposals offer the best value to the Government. This may result in awards being made to higher rated, higher price Offerors where the decision is consistent with the solicitation's evaluation factors and the Source Selection Authority reasonably determines that the technical superiority of the higher price Offerors outweigh the price differences. This may also result in rejection of all offers and re-evaluation and/or cancellation of the solicitation.

7.0 BASIS OF AWARD.

7.1 MATOC Selection. It is the Government's intent to award MATOC IDIQs to those responsible Offerors whose proposals, conforming to the solicitation, are fair and reasonable, and have been determined to be the most advantageous to the Government, non-price, price, and other factors considered.

7.2 All evaluation factors other than price, when combined, are significantly more important than price. As differences in factor ratings and relative advantages and disadvantages become less distinct, difference in price may become the discriminating factor in determining the most advantageous proposals. Conversely, as differences in prices become less distinct, differences in ratings and relative advantages and disadvantages between proposals are determinative. A contract will not be awarded to an offeror with a deficiency as defined in FAR 15.001.

7.3 The Government reserves the right to accept other than the lowest priced offers. The Government also reserves the right to reject any and all offers. The basis of award will be conforming offers, the price or cost of which may or may not be the lowest.

7.4 Seed Project Selection. After the MATOC has been established, the Government will consider the award of the Seed Project. The Seed Project may be awarded subject to availability of funds. The Government will award a firm fixed-priced task order to one Offeror awarded a MATOC contract that has been determined to be the most advantageous to the Government through trade-off analysis, non-price, price, and other factors considered.

END OF SECTION

Section 00 21 16 - Instructions to Proposers

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52.204-16	Commercial and Government Entity Code Reporting	AUG 2020
52.204-22	Alternative Line Item Proposal	JAN 2017
52.214-34	Submission Of Offers In The English Language	APR 1991
52.214-35	Submission Of Offers In U.S. Currency	APR 1991
52.215-1	Instructions to Offerors--Competitive Acquisition	NOV 2021
52.216-27	Single or Multiple Awards	OCT 1995
52.217-5	Evaluation Of Options	JUL 1990
52.222-5	Construction Wage Rate Requirements--Secondary Site of the Work	MAY 2014
52.225-12	Notice of Buy American Requirement - Construction Materials Under Trade Agreements	MAY 2014
52.232-14	Notice Of Availability Of Progress Payments Exclusively For Small Business Concerns	APR 1984
252.204-7019	Notice of NIST SP 800-171 DoD Assessment Requirements	NOV 2023
252.215-7008	Only One Offer	DEC 2022
252.215-7013	Supplies and Services Provided by Nontraditional Defense Contractors	JAN 2023
252.215-7016	Notification to Offerors--Postaward Debriefings	DEC 2022

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52.216-1 TYPE OF CONTRACT (APR 1984)

The Government contemplates award of a **Firm Fixed Price, "D" Type** contract resulting from this solicitation.

(End of provision)

52.222-23 NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY FOR CONSTRUCTION (FEB 1999)

(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
31.6%	6.9%

These goals are applicable to all the Contractor'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 for 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 Deputy Assistant Secretary for Federal Contract Compliance, U.S. Department of Labor, 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;
- (2) Employer's identification number of the subcontractor;
- (3) Estimated dollar amount of the subcontract;
- (4) Estimated starting and completion dates of the subcontract; and
- (5) 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 **Mobile District AOR**.

(End of provision)

52.228-1 BID GUARANTEE (SEP 1996)

(a) Failure to furnish a bid guarantee in the proper form and amount, by the time set for opening of bids, may be cause for rejection of the bid.

(b) The bidder shall furnish a bid guarantee in the form of a firm commitment, e.g., bid bond supported by good and sufficient surety or sureties acceptable to the Government, postal money order, certified check, cashier's check, irrevocable letter of credit, or, under Treasury Department regulations, certain bonds or notes of the United States. The Contracting Officer will return bid guarantees, other than bid bonds, (1) to unsuccessful bidders as soon as practicable after the opening of bids, and (2) to the successful bidder upon execution of contractual documents and bonds (including any necessary coinsurance or reinsurance agreements), as required by the bid as accepted.-

(c) The amount of the bid guarantee shall be **20** percent of the bid price or **\$3,000,000.00**, whichever is less.-

(d) If the successful bidder, upon acceptance of its bid by the Government within the period specified for acceptance, fails to execute all contractual documents or furnish executed bond(s) within 10 days after receipt of the forms by the bidder, the Contracting Officer may terminate the contract for default.-

(e) In the event the contract is terminated for default, the bidder is liable for any cost of acquiring the work that exceeds the amount of its bid, and the bid guarantee is available to offset the difference.

(End of provision)

52.233-2 SERVICE OF PROTEST (SEP 2006)

(a) Protests, as defined in section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the Government Accountability Office (GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from
Procuring Contracting Officer
1242 Montlimar Dr
Mobile, AL 36609

(b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

(End of provision)

52.236-27 SITE VISIT (CONSTRUCTION) (FEB 1995)

(a) The clauses at 52.236-2, Differing Site Conditions, and 52.236-3, Site Investigations and Conditions Affecting the Work, will be included in any contract awarded as a result of this solicitation. Accordingly, offerors or quoters are urged and expected to inspect the site where the work will be performed.

(b) Site visits may be arranged during normal duty hours by contacting:

A Contractor Site Visit has been scheduled for 0900 hrs (CST) on Monday 24 February 2025. All interested contractors are invited and strongly encouraged to attend. The purpose of the site visit is to enhance your understanding of the contract requirements. Interested offerors should contact Tondra Chew, with the Corps of Engineers' Mobile District Anniston Resident Office as soon as possible to obtain a badge request clearance form (email is preferred). All attendees must submit a badge request for clearance form to be able to obtain a badge on the day of the site visit. All badge request clearance forms must be submitted no later than 1500 hrs (CST), Thursday, February 20, 2025.

Contact Information:

Name: Tondra Chew

Email: tondra.y.chew@usace.army.mil

Phone: (256) 231-8336

Instructions to attend Pre-proposal Conference Contractor Site Visit:

Request for attendance received after the date shown above will not be accepted. The number of attendees is limited to eight from each firm. The initial meeting location will be at the DHS Guard House located at 61 Responder Drive Anniston, AL 36205. Participants shall arrive at the DHS guard house at least 30-45 minutes prior to the scheduled meeting time to obtain a badge prior to start of the site walk. Contractors will be required to register with Mrs. Tondra Chew for installation access and provide the following information on the required badge request form: (1) Full Name, (2) Date of Birth, (3) Social Security Number, and (4) Prime Contractor Name. Questions asked of government personnel at the conference and government personnel responses shall be nonbinding. Official responses will only be made to questions formally submitted to the Bidder's Inquiry portal in ProjNet at website <http://www.projnet.org/projnet>.

(End of provision)

52.252-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FEB 1998)

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es):

<https://www.acquisition.gov/browse/index/far>

<https://www.acquisition.gov/dfars>

(End of provision)

52.252-5 AUTHORIZED DEVIATIONS IN PROVISIONS (NOV 2020)

(a) The use in this solicitation of any Federal Acquisition Regulation (48 CFR Chapter 1) provision with an authorized deviation is indicated by the addition of "(DEVIATION)" after the date of the provision.

(b) The use in this solicitation of any provision with an authorized deviation is indicated by the addition of "(DEVIATION)" after the name of the regulation.

(End of provision)

252.215-7010 REQUIREMENTS FOR CERTIFIED COST OR PRICING DATA AND DATA OTHER THAN CERTIFIED COST OR PRICING DATA (MAY 2024)

(a) Definitions. As used in this provision--

Market prices means current prices that are established in the course of ordinary trade between buyers and sellers free to bargain and that can be substantiated through competition or from sources independent of the offerors.

Non-Government sales means sales of the supplies or services to non-Governmental entities for purposes other than governmental purposes.

Relevant sales data means information provided by an offeror on sales of the same or similar items that can be used to establish price reasonableness taking into consideration the age, volume, and nature of the transactions (including any related discounts, refunds, rebates, offsets, or other adjustments).

Sufficient non-Government sales means relevant sales data that reflects market pricing and contains enough information to make adjustments covered by Federal Acquisition Regulation (FAR) 15.404-1(b)(2)(ii)(B).

Uncertified cost data means the subset of "data other than certified cost or pricing data" (see FAR 2.101) that relates to cost.

(b) Exceptions from certified cost or pricing data.

(1) In lieu of submitting certified cost or pricing data, the Offeror may submit a written request for exception by submitting the information described in paragraphs (b)(1)(i) and (ii) of this provision. The Contracting Officer may require additional supporting information, but only to the extent necessary to determine whether an exception should be granted and whether the price is fair and reasonable.

(i) Exception for prices set by law or regulation--Identification of the law or regulation establishing the prices offered. If the prices are controlled under law by periodic rulings, reviews, or similar actions of a governmental body, attach a copy of the controlling document, unless it was previously submitted to the contracting office.

(ii) Commercial product or commercial service exception. For a commercial product or commercial service exception, the Offeror shall submit, at a minimum, information that is adequate for determining commerciality and evaluating the reasonableness of the price for this acquisition, including prices at which the same product or service or similar products or services have been sold in the commercial market. Such information shall include--

(A) For products or services previously determined to be commercial, the contract number and military department, defense agency, or other DoD component that rendered such determination, and if available, a Government point of contact;

(B) For subsystems of a major weapon system and components and spare parts of a major weapon system or subsystem of a major weapon system that have not previously been determined to be commercial--

(1) The comparable commercial product the Offeror sells to the general public or nongovernmental entities;

(2) A comparison between the physical characteristics and functionality of the comparable commercial product and the subsystem, component, or spare part, including--

(i) For products under paragraph (3)(i) of the "commercial product" definition at FAR 2.101, a description of the modification and documentation to support that the modification is customarily available in the marketplace; or

(ii) For products under paragraph (3)(ii) of the "commercial product" definition at FAR 2.101, a detailed description of the modification and detailed technical data to demonstrate that the modification is minor (e.g., information on production processes and material differences); and

(3) The national stock number (NSN) for the comparable commercial product, if one is assigned, and the NSN for the subsystem, component, or spare part, if one is assigned; or

(4) If the Offeror does not sell a comparable commercial product to the general public or nongovernmental entities for purposes other than government purposes, the Offeror shall--

(i) Notify the Contracting Officer in writing that it does not sell such a comparable product; and

(ii) Provide the Contracting Officer with a comparison of the physical characteristics and functionality of the most comparable commercial product in the commercial market.

(C) For items priced based on a catalog--

(1) A copy of or identification of the Offeror's current catalog showing the price for that item; and

(2) If the catalog pricing provided with this proposal is not consistent with all relevant sales data, a detailed description of differences or inconsistencies between or among the relevant sales data, the proposed price, and the catalog price (including any related discounts, refunds, rebates, offsets, or other adjustments);

(D) For items priced based on market pricing, a description of the nature of the commercial market, the methodology used to establish a market price, and all relevant sales data. The description shall be adequate to permit the DoD to verify the accuracy of the description;

(E) For items included on an active Federal Supply Service Multiple Award Schedule contract, proof that an exception has been granted for the schedule item; or

(F) For items provided by nontraditional defense contractors, a statement that the entity is not currently performing and has not performed, for at least the 1-year period preceding the solicitation of sources by DoD for the procurement or transaction, any contract or subcontract for DoD that is subject to full coverage under the cost accounting standards prescribed pursuant to 41 U.S.C. 1502 and the regulations implementing such section.

(c) Requirements for certified cost or pricing data. If the Offeror is not granted an exception from the requirement to submit certified cost or pricing data, the following applies:

(1) The Offeror shall prepare and submit certified cost or pricing data and supporting attachments in accordance with the instructions contained in Table 15-2 of FAR 15.408, which is incorporated by reference with the same force and effect as though it were inserted here in full text. The instructions in Table 15-2 are incorporated as a mandatory format to be used in any resultant contract, unless the Contracting Officer and the Offeror agree to a different format and change this provision to use Alternate I.

(2) As soon as practicable after agreement on price, but before contract award (except for unpriced actions such as letter contracts), the Offeror shall submit a Certificate of Current Cost or Pricing Data, as prescribed by FAR 15.406-2.

(3) The Offeror is responsible for determining whether a subcontractor qualifies for an exception from the requirement for submission of certified cost or pricing data on the basis of adequate price competition, i.e., two or more responsible offerors, competing independently, submit priced offers that satisfy the Government's expressed requirement in accordance with FAR 15.403-1(c)(1)(i).

(d) Requirements for data other than certified cost or pricing data.

(1) Data other than certified cost or pricing data submitted in accordance with this provision shall include the minimum information necessary to permit a determination that the proposed price is fair and reasonable, to include the requirements in Defense Federal Acquisition Regulation Supplement (DFARS) 215.402(a)(i), 215.404-1(b), and 234.7002(e).

(2) In cases in which uncertified cost data is required, the information shall be provided in the form in which it is regularly maintained by the Offeror or prospective subcontractor in its business operations.

(3) If the Offeror redacts data that identifies the customer (see DFARS 234.7002(e)(2)), then the Offeror shall include, for each sale, the following signed statement with the data submitted:
“By submission of this data, the Offeror [Offeror insert company name] certifies that the customer was [Offeror insert one or more of the following as applicable: a government customer; a commercial customer purchasing the same or similar product for governmental purposes (e.g., Federal, state, local, or foreign government); or a commercial customer purchasing the same or similar product for a commercial, mixed, or unknown purpose].”

(4) Within 10 days of a written request from the Contracting Officer for additional information to permit an adequate evaluation of the proposed price in accordance with FAR 15.403-3 or DFARS 234.7002(e), the Offeror shall provide either the requested information, or a written explanation for the inability to fully comply.

(5) Subcontract price evaluation.

(i) Offerors shall obtain from subcontractors the minimum information necessary to support a determination of price reasonableness, as described in FAR part 15 and DFARS part 215.

(ii) No cost data may be required from a prospective subcontractor in any case in which there are sufficient non-Government sales of the same item to establish reasonableness of price.

(iii) If the Offeror relies on relevant sales data for similar items to determine the price is reasonable, the Offeror shall obtain only that technical information necessary--

(A) To support the conclusion that items are technically similar; and

(B) To explain any technical differences that account for variances between the proposed prices and the sales data presented.

(End of provision)

Section 00 45 00 - Representations and Certifications

CLAUSES INCORPORATED BY REFERENCE

52.201-1	Acquisition 360: Voluntary Survey	SEP 2023
52.204-7	System for Award Management	NOV 2024
52.209-7	Information Regarding Responsibility Matters	OCT 2018
52.209-13	Violation of Arms Control Treaties or Agreements -- Certification	NOV 2021
52.229-11	Tax on Certain Foreign Procurements--Notice and Representation	JUN 2020
252.203-7005	Representation Relating to Compensation of Former DoD Officials	SEP 2022
252.204-7008	Compliance With Safeguarding Covered Defense Information Controls	OCT 2016
252.204-7016	Covered Defense Telecommunications Equipment or Services -- Representation	DEC 2019
252.204-7017	Prohibition on the Acquisition of Covered Defense Telecommunications Equipment or Services -- Representation	MAY 2021
252.225-7055	Representation Regarding Business Operations with the Maduro Regime	MAY 2022
252.225-7057	Preaward Disclosure of Employment of Individuals Who Work in the People's Republic of China	AUG 2022
252.225-7059	Prohibition on Certain Procurements from the Xinjiang Uyghur Autonomous Region - Representation	JUN 2023
252.225-7973 (Dev)	Prohibition on the Procurement of Foreign-Made Unmanned Aircraft Systems - Representation (DEVIATION 2020-O0015)	MAY 2020

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52.204-8 ANNUAL REPRESENTATIONS AND CERTIFICATIONS (MAY 2024)

(a)(1) The North American Industry Classification System (NAICS) code for this acquisition is **236220**.

(2) The small business size standard is **\$45,000,000**.

(3) The small business size standard for a concern that submits an offer, other than on a construction or service acquisition, but proposes to furnish an end item that it did not itself manufacture, process, or produce is 500 employees, or 150 employees for information technology value-added resellers under NAICS code 541519, if the acquisition--

(i) Is set aside for small business and has a value above the simplified acquisition threshold;

(ii) Uses the HUBZone price evaluation preference regardless of dollar value, unless the offeror waives the price evaluation preference; or

(iii) Is an 8(a), HUBZone, service-disabled veteran-owned, economically disadvantaged women-owned, or women-owned small business set-aside or sole-source award regardless of dollar value.

(b)(1) If the provision at 52.204-7, System for Award Management, is included in this solicitation, paragraph (d) of this provision applies.

(2) If the provision at 52.204-7, System for Award Management, is not included in this solicitation, and the Offeror has an active registration in the System for Award Management (SAM), the Offeror may choose to use paragraph (d) of this provision instead of completing the corresponding individual representations and certifications in the solicitation. The Offeror shall indicate which option applies by checking one of the following boxes:

[] Paragraph (d) applies.

[] Paragraph (d) does not apply and the offeror has completed the individual representations and certifications in the solicitation.

(c) (1) The following representations or certifications in SAM are applicable to this solicitation as indicated:

(i) 52.203-2, Certificate of Independent Price Determination. This provision applies to solicitations when a firm-fixed-price contract or fixed-price contract with economic price adjustment is contemplated, unless—

(A) The acquisition is to be made under the simplified acquisition procedures in Part 13;

(B) The solicitation is a request for technical proposals under two-step sealed bidding procedures; or

(C) The solicitation is for utility services for which rates are set by law or regulation.

(ii) 52.203-11, Certification and Disclosure Regarding Payments to Influence Certain Federal Transactions. This provision applies to solicitations expected to exceed \$150,000.

(iii) 52.203-18, Prohibition on Contracting with Entities that Require Certain Internal Confidentiality Agreements or Statements--Representation. This provision applies to all solicitations.

(iv) 52.204-3, Taxpayer Identification. This provision applies to solicitations that do not include the provision at 52.204-7, System for Award Management.

(v) 52.204-5, Women-Owned Business (Other Than Small Business). This provision applies to solicitations that—

(A) Are not set aside for small business concerns;

(B) Exceed the simplified acquisition threshold; and

(C) Are for contracts that will be performed in the United States or its outlying areas.

(vi) 52.204-26, Covered Telecommunications Equipment or Services--Representation. This provision applies to all solicitations.

(vii) 52.209-2, Prohibition on Contracting with Inverted Domestic Corporations--Representation.

(viii) 52.209-5, Certification Regarding Responsibility Matters. This provision applies to solicitations where the contract value is expected to exceed the simplified acquisition threshold.

(ix) 52.209-11, Representation by Corporations Regarding Delinquent Tax Liability or a Felony Conviction under any Federal Law. This provision applies to all solicitations.

(x) 52.214-14, Place of Performance--Sealed Bidding. This provision applies to invitations for bids except those in which the place of performance is specified by the Government.

(xi) 52.215-6, Place of Performance. This provision applies to solicitations unless the place of performance is specified by the Government.

(xii) 52.219-1, Small Business Program Representations (Basic, Alternates I, and II). This provision applies to solicitations when the contract is for supplies to be delivered or services to be performed in the United States or its outlying areas, or when the contracting officer has applied part 19 in accordance with 19.000(b)(1)(ii).

(A) The basic provision applies when the solicitations are issued by other than DoD, NASA, and the Coast Guard.

(B) The provision with its Alternate I applies to solicitations issued by DoD, NASA, or the Coast Guard.

(C) The provision with its Alternate II applies to solicitations that will result in a multiple-award contract with more than one NAICS code assigned.

(xiii) 52.219-2, Equal Low Bids. This provision applies to solicitations when contracting by sealed bidding and the contract is for supplies to be delivered or services to be performed in the United States or its outlying areas, or when the contracting officer has applied part 19 in accordance with 19.000(b)(1)(ii).

(xiv) 52.222-22, Previous Contracts and Compliance Reports. This provision applies to solicitations that include the clause at 52.222-26, Equal Opportunity.

(xv) 52.222-25, Affirmative Action Compliance. This provision applies to solicitations, other than those for construction, when the solicitation includes the clause at 52.222-26, Equal Opportunity.

(xvi) 52.222-38, Compliance with Veterans' Employment Reporting Requirements. This provision applies to solicitations when it is anticipated the contract award will exceed the simplified acquisition threshold and the contract is not for acquisition of commercial products or commercial services.

(xvii) 52.223-1, Biobased Product Certification. This provision applies to solicitations that require the delivery or specify the use of biobased products in USDA-designated product categories; or include the clause at 52.223-2, Reporting of Biobased Products Under Service and Construction Contracts.

(xviii) 52.223-4, Recovered Material Certification. This provision applies to solicitations that are for, or specify the use of, EPA- designated items.

(xix) 52.223-22, Public Disclosure of Greenhouse Gas Emissions and Reduction Goals--Representation. This provision applies to solicitations that include the clause at 52.204-7.

(xx) 52.225-2, Buy American Certificate. This provision applies to solicitations containing the clause at 52.225-1.

(xxi) 52.225-4, Buy American-Free Trade Agreements-Israeli Trade Act Certificate. (Basic, Alternates II and III.) This provision applies to solicitations containing the clause at 52.225-3.

(A) If the acquisition value is less than \$50,000, the basic provision applies.

(B) If the acquisition value is \$50,000 or more but is less than \$100,000, the provision with its Alternate II applies.

(C) If the acquisition value is \$100,000 or more but is less than \$102,280, the provision with its Alternate III applies.

(xxii) 52.225-6, Trade Agreements Certificate. This provision applies to solicitations containing the clause at 52.225-5.

(xxiii) 52.225-20, Prohibition on Conducting Restricted Business Operations in Sudan--Certification. This provision applies to all solicitations.

(xxiv) 52.225-25, Prohibition on Contracting with Entities Engaging in Certain Activities or Transactions Relating to Iran—Representation and Certification. This provision applies to all solicitations.

(xxv) 52.226-2, Historically Black College or University and Minority Institution Representation. This provision applies to solicitations for research, studies, supplies, or services of the type normally acquired from higher educational institutions.

(2) The following representations or certifications are applicable as indicated by the Contracting Officer:

[Contracting Officer check as appropriate.]

(i) 52.204-17, Ownership or Control of Offeror.

(ii) 52.204-20, Predecessor of Offeror.

(iii) 52.222-18, Certification Regarding Knowledge of Child Labor for Listed End Products.

(iv) 52.222-48, Exemption from Application of the Service Contract Labor Standards to Contracts for Maintenance, Calibration, or Repair of Certain Equipment--Certification.

(v) 52.222-52 Exemption from Application of the Service Contract Labor Standards to Contracts for Certain Services--Certification.

(vi) 52.227-6, Royalty Information.

(A) Basic.

(B) Alternate I.

(vii) 52.227-15, Representation of Limited Rights Data and Restricted Computer Software.

(d) The Offeror has completed the annual representations and certifications electronically in SAM accessed through <https://www.sam.gov>. After reviewing the SAM information, the Offeror verifies by submission of the offer that the representations and certifications currently posted electronically that apply to this solicitation as indicated in paragraph (c) of this provision have been entered or updated within the last 12 months, are current, accurate, complete, and applicable to this solicitation (including the business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer and are incorporated in this offer by reference (see FAR 4.1201); except for the changes identified below [offeror to insert changes, identifying change by clause number, title, date]. These amended representation(s) and/or certification(s) are also incorporated in this offer and are current, accurate, and complete as of the date of this offer.

FAR Clause	Title	Date	Change
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Any changes provided by the offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications posted on SAM.

(End of provision)

52.204-24 REPRESENTATION REGARDING CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT (NOV 2021)

The Offeror shall not complete the representation at paragraph (d)(1) of this provision if the Offeror has represented that it "does not provide covered telecommunications equipment or services as a part of its offered products or services to the Government in the performance of any contract, subcontract, or other contractual instrument" in paragraph (c)(1) in the provision at 52.204-26, Covered Telecommunications Equipment or Services--Representation, or in paragraph (v)(2)(i) of the provision at 52.212-3, Offeror Representations and Certifications--Commercial Products and Commercial Services. The Offeror shall not complete the representation in paragraph (d)(2) of this provision if the Offeror has represented that it "does not use covered telecommunications equipment or

services, or any equipment, system, or service that uses covered telecommunications equipment or services" in paragraph (c)(2) of the provision at 52.204-26, or in paragraph (v)(2)(ii) of the provision at 52.212-3.

(a) Definitions. As used in this provision-

Backhaul, covered telecommunications equipment or services, critical technology, interconnection arrangements, reasonable inquiry, roaming, and substantial or essential component have the meanings provided in the clause 52.204-25, Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

(b) Prohibition.

(1) Section 889(a)(1)(A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2019, from procuring or obtaining, or extending or renewing a contract to procure or obtain, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. Nothing in the prohibition shall be construed to--

(i) Prohibit the head of an executive agency from procuring with an entity to provide a service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(ii) Cover telecommunications equipment that cannot route or redirect user data traffic or cannot permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(2) Section 889(a)(1)(B) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2020, from entering into a contract or extending or renewing a contract with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. This prohibition applies to the use of covered telecommunications equipment or services, regardless of whether that use is in performance of work under a Federal contract. Nothing in the prohibition shall be construed to--

(i) Prohibit the head of an executive agency from procuring with an entity to provide a service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(ii) Cover telecommunications equipment that cannot route or redirect user data traffic or cannot permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(c) Procedures. The Offeror shall review the list of excluded parties in the System for Award Management (SAM) (<https://www.sam.gov>) for entities excluded from receiving federal awards for "covered telecommunications equipment or services."

(d) Representations. The Offeror represents that--

(1) It [☐] will, [☐] will not provide covered telecommunications equipment or services to the Government in the performance of any contract, subcontract or other contractual instrument resulting from this solicitation. The Offeror shall provide the additional disclosure information required at paragraph (e)(1) of this section if the Offeror responds "will" in paragraph (d)(1) of this section; and

(2) After conducting a reasonable inquiry, for purposes of this representation, the Offeror represents that--

It [☐] does, [☐] does not use covered telecommunications equipment or services, or use any equipment, system, or service that uses covered telecommunications equipment or services. The Offeror shall provide the additional disclosure information required at paragraph (e)(2) of this section if the Offeror responds "does" in paragraph (d)(2) of this section.

(e) Disclosures.

(1) Disclosure for the representation in paragraph (d)(1) of this provision. If the Offeror has responded "will" in the representation in paragraph (d)(1) of this provision, the Offeror shall provide the following information as part of the offer:

(i) For covered equipment--

(A) The entity that produced the covered telecommunications equipment (include entity name, unique entity identifier, CAGE code, and whether the entity was the original equipment manufacturer (OEM) or a distributor, if known);

(B) A description of all covered telecommunications equipment offered (include brand; model number, such as OEM number, manufacturer part number, or wholesaler number; and item description, as applicable); and

(C) Explanation of the proposed use of covered telecommunications equipment and any factors relevant to determining if such use would be permissible under the prohibition in paragraph (b)(1) of this provision.

(ii) For covered services--

(A) If the service is related to item maintenance: A description of all covered telecommunications services offered (include on the item being maintained: Brand; model number, such as OEM number, manufacturer part number, or wholesaler number; and item description, as applicable); or

(B) If not associated with maintenance, the Product Service Code (PSC) of the service being provided; and explanation of the proposed use of covered telecommunications services and any factors relevant to determining if such use would be permissible under the prohibition in paragraph (b)(1) of this provision.

(2) Disclosure for the representation in paragraph (d)(2) of this provision. If the Offeror has responded "does" in the representation in paragraph (d)(2) of this provision, the Offeror shall provide the following information as part of the offer:

(i) For covered equipment--

(A) The entity that produced the covered telecommunications equipment (include entity name, unique entity identifier, CAGE code, and whether the entity was the OEM or a distributor, if known);

(B) A description of all covered telecommunications equipment offered (include brand; model number, such as OEM number, manufacturer part number, or wholesaler number; and item description, as applicable); and

(C) Explanation of the proposed use of covered telecommunications equipment and any factors relevant to determining if such use would be permissible under the prohibition in paragraph (b)(2) of this provision.

(ii) For covered services--

(A) If the service is related to item maintenance: A description of all covered telecommunications services offered (include on the item being maintained: Brand; model number, such as OEM number, manufacturer part number, or wholesaler number; and item description, as applicable); or

(B) If not associated with maintenance, the PSC of the service being provided; and explanation of the proposed use of covered telecommunications services and any factors relevant to determining if such use would be permissible under the prohibition in paragraph (b)(2) of this provision.

(End of provision)

252.204-7007 ALTERNATE A, ANNUAL REPRESENTATIONS AND CERTIFICATIONS (NOV 2023)

Substitute the following paragraphs (b), (d) and (e) for paragraphs (b) and (d) of the provision at FAR 52.204-8:

(b)(1) If the provision at FAR 52.204-7, System for Award Management, is included in this solicitation, paragraph (e) of this provision applies.

(2) If the provision at FAR 52.204-7, System for Award Management, is not included in this solicitation, and the Offeror has an active registration in the System for Award Management (SAM), the Offeror may choose to use paragraph (e) of this provision instead of completing the corresponding individual representations and certifications in the solicitation. The Offeror shall indicate which option applies by checking one of the following boxes:

☐ (i) Paragraph (e) applies.

☐ (ii) Paragraph (e) does not apply and the Offeror has completed the individual representations and certifications in the solicitation.

(d)(1) The following representations or certifications in the SAM database are applicable to this solicitation as indicated:

(i) 52.204-7016, Covered Defense Telecommunications Equipment or Services--Representation. Applies to all solicitations.

(ii) 52.216-7008, Economic Price Adjustment--Wage Rates or Material Prices Controlled by a Foreign Government. Applies to solicitations for fixed-price supply and service contracts when the contract is to be performed wholly or in part in a foreign country, and a foreign government controls wage rates or material prices and may during contract performance impose a mandatory change in wages or prices of materials.

(iii) 52.225-7042, Authorization to Perform. Applies to all solicitations when performance will be wholly or in part in a foreign country.

(iv) 52.225-7049, Prohibition on Acquisition of Certain Foreign Commercial Satellite Services--Representations. Applies to solicitations for the acquisition of commercial satellite services.

(v) 52.225-7050, Disclosure of Ownership or Control by the Government of a Country that is a State Sponsor of Terrorism. Applies to all solicitations expected to result in contracts of \$150,000 or more.

(vi) 52.229-7012, Tax Exemptions (Italy)--Representation. Applies to solicitations when contract performance will be in Italy.

(vii) 52.229-7013, Tax Exemptions (Spain)--Representation. Applies to solicitations when contract performance will be in Spain.

(viii) 52.247-7022, Representation of Extent of Transportation by Sea. Applies to all solicitations except those for direct purchase of ocean transportation services or those with an anticipated value at or below the simplified acquisition threshold.

(2) The following representations or certifications in SAM are applicable to this solicitation as indicated by the Contracting Officer: [Contracting Officer check as appropriate.]

☐ (i) 52.209-7002, Disclosure of Ownership or Control by a Foreign Government.

☐ (ii) 52.225-7000, Buy American--Balance of Payments Program Certificate.

☐ (iii) 52.225-7020, Trade Agreements Certificate.

☐ Use with Alternate I.

☐ (iv) 52.225-7031, Secondary Arab Boycott of Israel.

____ (v) 252.225-7035, Buy American--Free Trade Agreements--Balance of Payments Program Certificate.

____ Use with Alternate I.

____ Use with Alternate II.

____ Use with Alternate III.

____ Use with Alternate IV.

____ Use with Alternate V.

____ (vi) 252.226-7002, Representation for Demonstration Project for Contractors Employing Persons with Disabilities.

____ (vii) 252.232-7015, Performance-Based Payments--Representation.

(e) The Offeror has completed the annual representations and certifications electronically via the SAM website at <https://www.sam.gov>. After reviewing the SAM database information, the Offeror verifies by submission of the offer that the representations and certifications currently posted electronically that apply to this solicitation as indicated in FAR 52.204-8(c) and paragraph (d) of this provision have been entered or updated within the last 12 months, are current, accurate, complete, and applicable to this solicitation (including the business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer, and are incorporated in this offer by reference (see FAR 4.1201); except for the changes identified below [Offeror to insert changes, identifying change by provision number, title, date ____]. These amended representation(s) and/or certification(s) are also incorporated in this offer and are current, accurate, and complete as of the date of this offer.

FAR/DFARS provision No.	Title	Date	Change

Any changes provided by the Offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications located in the SAM database.

(End of provision)

Section 00 70 00 - Conditions of the Contract

CLAUSES INCORPORATED BY REFERENCE

52.202-1	Definitions	JUN 2020
52.203-3	Gratuities	APR 1984
52.203-5	Covenant Against Contingent Fees	MAY 2014
52.203-6	Restrictions On Subcontractor Sales To The Government	JUN 2020
52.203-7	Anti-Kickback Procedures	JUN 2020
52.203-8	Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity	MAY 2014
52.203-10	Price Or Fee Adjustment For Illegal Or Improper Activity	MAY 2014
52.203-12	Limitation On Payments To Influence Certain Federal Transactions	JUN 2020
52.203-13	Contractor Code of Business Ethics and Conduct	NOV 2021
52.203-19	Prohibition on Requiring Certain Internal Confidentiality Agreements or Statements	JAN 2017
52.204-2 Alt II	Security Requirements (MAR 2021) - Alternate II	APR 1984
52.204-9	Personal Identity Verification of Contractor Personnel	JAN 2011
52.204-10	Reporting Executive Compensation and First-Tier Subcontract Awards	JUN 2020
52.204-13	System for Award Management Maintenance	OCT 2018
52.204-15	Service Contract Reporting Requirements for Indefinite-Delivery Contracts	OCT 2016
52.204-18	Commercial and Government Entity Code Maintenance	AUG 2020
52.204-19	Incorporation by Reference of Representations and Certifications.	DEC 2014
52.204-21	Basic Safeguarding of Covered Contractor Information Systems	NOV 2021
52.204-23	Prohibition on Contracting for Hardware, Software, and Services Developed or Provided by Kaspersky Lab Covered Entities	DEC 2023
52.204-25	Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment	NOV 2021
52.204-27	Prohibition on a ByteDance Covered Application	JUN 2023
52.209-6	Protecting the Government's Interest When Subcontracting With Contractors Debarred, Suspended, or Proposed for Debarment	NOV 2021
52.209-9	Updates of Publicly Available Information Regarding Responsibility Matters	OCT 2018
52.209-10	Prohibition on Contracting With Inverted Domestic Corporations	NOV 2015
52.210-1	Market Research	NOV 2021
52.211-13	Time Extensions	SEP 2000
52.211-18	Variation in Estimated Quantity	APR 1984
52.215-2	Audit and Records--Negotiation	JUN 2020
52.219-6	Notice Of Total Small Business Set-Aside	NOV 2020
52.219-33	Nonmanufacturer Rule	SEP 2021
52.222-3	Convict Labor	JUN 2003
52.222-4	Contract Work Hours and Safety Standards - Overtime Compensation	MAY 2018
52.222-6	Construction Wage Rate Requirements	AUG 2018
52.222-7	Withholding of Funds	MAY 2014
52.222-8	Payrolls and Basic Records	JUL 2021
52.222-9	Apprentices and Trainees	JUL 2005
52.222-10	Compliance with Copeland Act Requirements	FEB 1988
52.222-11	Subcontracts (Labor Standards)	MAY 2014
52.222-12	Contract Termination-Debarment	MAY 2014
52.222-13	Compliance With Construction Wage Rate Requirements and Related Regulations	MAY 2014
52.222-14	Disputes Concerning Labor Standards	FEB 1988
52.222-15	Certification of Eligibility	MAY 2014
52.222-21	Prohibition Of Segregated Facilities	APR 2015
52.222-26	Equal Opportunity	SEP 2016
52.222-27	Affirmative Action Compliance Requirements for Construction	APR 2015
52.222-35	Equal Opportunity for Veterans	JUN 2020
52.222-36	Equal Opportunity for Workers with Disabilities	JUN 2020

52.222-37	Employment Reports on Veterans	JUN 2020
52.222-40	Notification of Employee Rights Under the National Labor Relations Act	DEC 2010
52.222-50	Combating Trafficking in Persons	NOV 2021
52.222-54	Employment Eligibility Verification	MAY 2022
52.222-55	Minimum Wages for Contractor Workers Under Executive Order 14026	JAN 2022
52.222-62	Paid Sick Leave Under Executive Order 13706	JAN 2022
52.223-2	Reporting of Biobased Products Under Service and Construction Contracts.	MAY 2024
52.223-19	Compliance with Environmental Management Systems	MAY 2011
52.223-21	Foams	MAY 2024
52.223-23	Sustainable Products and Services.	MAY 2024
52.225-13	Restrictions on Certain Foreign Purchases	FEB 2021
52.226-7	Drug-Free Workplace	MAY 2024
52.226-8	Encouraging Contractor Policies To Ban Text Messaging While Driving	MAY 2024
52.227-1	Authorization and Consent	JUN 2020
52.227-2	Notice And Assistance Regarding Patent And Copyright Infringement	JUN 2020
52.227-4	Patent Indemnity-Construction Contracts	DEC 2007
52.228-2	Additional Bond Security	OCT 1997
52.228-5	Insurance - Work On A Government Installation	JAN 1997
52.228-11 (Dev)	Individual Surety--Pledge of Assets (DEVIATION 2020-O0016)	FEB 2021
52.228-12	Prospective Subcontractor Requests for Bonds	DEC 2022
52.228-15 (Dev)	Performance and Payment Bonds-Construction. (Deviation 2020-O0016)	JUN 2020
52.229-3	Federal, State And Local Taxes	FEB 2013
52.229-12	Tax on Certain Foreign Procurements	FEB 2021
52.232-5	Payments under Fixed-Price Construction Contracts	MAY 2014
52.232-17	Interest	MAY 2014
52.232-23	Assignment Of Claims	MAY 2014
52.232-27	Prompt Payment for Construction Contracts	JAN 2017
52.232-33	Payment by Electronic Funds Transfer--System for Award Management	OCT 2018
52.232-39	Unenforceability of Unauthorized Obligations	JUN 2013
52.232-40	Providing Accelerated Payments to Small Business Subcontractors	MAR 2023
52.233-1	Disputes	MAY 2014
52.233-3	Protest After Award	AUG 1996
52.233-4	Applicable Law for Breach of Contract Claim	OCT 2004
52.236-2	Differing Site Conditions	APR 1984
52.236-3	Site Investigation and Conditions Affecting the Work	APR 1984
52.236-4	Physical Data	APR 1984
52.236-5	Material and Workmanship	APR 1984
52.236-6	Superintendence by the Contractor	APR 1984
52.236-7	Permits and Responsibilities	NOV 1991
52.236-8	Other Contracts	APR 1984
52.236-9	Protection of Existing Vegetation, Structures, Equipment, Utilities, and Improvements	APR 1984
52.236-10	Operations and Storage Areas	APR 1984
52.236-11	Use and Possession Prior to Completion	APR 1984
52.236-12	Cleaning Up	APR 1984
52.236-13	Accident Prevention	NOV 1991
52.236-14	Availability and Use of Utility Services	APR 1984
52.236-15	Schedules for Construction Contracts	APR 1984
52.236-17	Layout of Work	APR 1984
52.236-21	Specifications and Drawings for Construction	FEB 1997
52.236-26	Preconstruction Conference	FEB 1995
52.242-13	Bankruptcy	JUL 1995
52.242-14	Suspension of Work	APR 1984
52.243-4	Changes	JUN 2007
52.244-6	Subcontracts for Commercial Products and Commercial Services	FEB 2024
52.246-12	Inspection of Construction	AUG 1996
52.246-21	Warranty of Construction	MAR 1994

52.248-3	Value Engineering-Construction	OCT 2020
52.249-2 Alt I	Termination for Convenience of the Government (Fixed-Price) (Apr 2012) - Alternate I	SEP 1996
52.249-10	Default (Fixed-Price Construction)	APR 1984
52.253-1	Computer Generated Forms	JAN 1991
252.201-7000	Contracting Officer's Representative	DEC 1991
252.203-7000	Requirements Relating to Compensation of Former DoD Officials	SEP 2011
252.203-7001	Prohibition On Persons Convicted of Fraud or Other Defense-Contract-Related Felonies	JAN 2023
252.203-7002	Requirement to Inform Employees of Whistleblower Rights	DEC 2022
252.203-7003	Agency Office of the Inspector General	AUG 2019
252.203-7004	Display of Hotline Posters	JAN 2023
252.204-7000	Disclosure Of Information	OCT 2016
252.204-7003	Control Of Government Personnel Work Product	APR 1992
252.204-7004	Antiterrorism Awareness Training for Contractors	JAN 2023
252.204-7012 (Dev)	Safeguarding Covered Defense Information and Cyber Incident Reporting (DEVIATION 2024-00013 REVISION 1)	MAY 2024
252.204-7015	Notice of Authorized Disclosure of Information for Litigation Support	JAN 2023
252.204-7018	Prohibition on the Acquisition of Covered Defense Telecommunications Equipment or Services	JAN 2023
252.204-7020	NIST SP 800-171 DoD Assessment Requirements	NOV 2023
252.205-7000	Provision Of Information To Cooperative Agreement Holders	JUN 2023
252.209-7004	Subcontracting With Firms That Are Owned or Controlled By The Government of a Country that is a State Sponsor of Terrorism	MAY 2019
252.222-7006	Restrictions on the Use of Mandatory Arbitration Agreements	JAN 2023
252.223-7004	Drug Free Work Force	SEP 1988
252.223-7006	Prohibition On Storage, Treatment, and Disposal of Toxic or Hazardous Materials	SEP 2014
252.223-7008	Prohibition of Hexavalent Chromium	JAN 2023
252.225-7012	Preference For Certain Domestic Commodities	APR 2022
252.225-7048	Export-Controlled Items	JUN 2013
252.225-7056	Prohibition Regarding Business Operations with the Maduro Regime	JAN 2023
252.225-7058	Postaward Disclosure of Employment of Individuals Who Work in the People's Republic of China	JAN 2023
252.225-7060	Prohibition on Certain Procurements from the Xinjiang Uyghur Autonomous Region	JUN 2023
252.225-7972 (Dev)	Prohibition on the Procurement of Foreign-Made Unmanned Aircraft Systems (DEVIATION 2020-00015)	MAY 2020
252.227-7022	Government Rights (Unlimited)	MAR 1979
252.227-7033	Rights in Shop Drawings	APR 1966
252.232-7003	Electronic Submission of Payment Requests and Receiving Reports	DEC 2018
252.232-7010	Levies on Contract Payments	DEC 2006
252.236-7000	Modification Proposals-Price Breakdown	DEC 1991
252.236-7002	Obstruction of Navigable Waterways	DEC 1991
252.236-7005	Airfield Safety Precautions	DEC 1991
252.236-7013	Requirement for Competition Opportunity for American Steel Producers, Fabricators, and Manufacturers	JAN 2023
252.243-7001	Pricing Of Contract Modifications	DEC 1991
252.243-7002	Requests for Equitable Adjustment	DEC 2022
252.244-7000	Subcontracts for Commercial Products or Commercial Services	NOV 2023
252.246-7004	Safety of Facilities, Infrastructure, and Equipment for Military Operations	OCT 2010
252.247-7023	Transportation of Supplies by Sea	JAN 2023

CLAUSES INCORPORATED BY FULL TEXT

52.211-10 COMMENCEMENT, PROSECUTION, AND COMPLETION OF WORK (APR 1984)

The Contractor shall be required to (a) commence work under this contract within **See Section 01 00 00** calendar days after the date the Contractor receives the notice to proceed, (b) prosecute the work diligently, and (c) complete the entire work ready for use not later than **See Section 01 00 00**. The time stated for completion shall include final cleanup of the premises.

(End of clause)

52.211-12 LIQUIDATED DAMAGES--CONSTRUCTION (SEP 2000)

(a) If the Contractor fails to complete the work within the time specified in the contract, the Contractor shall pay liquidated damages to the Government in the amount of **See Section 01 00 00** for each calendar day of delay until the work is completed or accepted.

(b) If the Government terminates the Contractor's right to proceed, liquidated damages will continue to accrue until the work is completed. These liquidated damages are in addition to excess costs of repurchase under the Termination clause.

(End of clause)

52.216-18 ORDERING. (AUG 2020)

(a) Any supplies and services to be furnished under this contract shall be ordered by issuance of delivery orders or task orders by the individuals or activities designated in the Schedule. Such orders may be issued **up to five years after contract award**.

(b) All delivery orders or task orders are subject to the terms and conditions of this contract. In the event of conflict between a delivery order or task order and this contract, the contract shall control.

(c) A delivery order or task order is considered "issued" when--

(1) If sent by mail (includes transmittal by U.S. mail or private delivery service), the Government deposits the order in the mail;

(2) If sent by fax, the Government transmits the order to the Contractor's fax number; or

(3) If sent electronically, the Government either--

(i) Posts a copy of the delivery order or task order to a Government document access system, and notice is sent to the Contractor; or

(ii) Distributes the delivery order or task order via email to the Contractor's email address.

(d) Orders may be issued by methods other than those enumerated in this clause only if authorized in the contract.

(End of clause)

52.216-19 ORDER LIMITATIONS (OCT 1995)

(a) Minimum order. When the Government requires supplies or services covered by this contract in an amount of less than **\$1,000.00**, the Government is not obligated to purchase, nor is the Contractor obligated to furnish, those supplies or services under the contract.

(b) Maximum order. The Contractor is not obligated to honor -

(1) Any order for a single item in excess of **\$49,000,000.00**;

(2) Any order for a combination of items in excess of **\$49,000,000.00**; or

(3) A series of orders from the same ordering office within **five years** that together call for quantities exceeding the limitation in paragraph (b) (1) or (2) of this section.

(c) If this is a requirements contract (i.e., includes the Requirements clause at subsection 52.216-21 of the Federal Acquisition Regulation (FAR)), the Government is not required to order a part of any one requirement from the Contractor if that requirement exceeds the maximum-order limitations in paragraph (b) of this section.

(d) Notwithstanding paragraphs (b) and (c) of this section, the Contractor shall honor any order exceeding the maximum order limitations in paragraph (b), unless that order (or orders) is returned to the ordering office within **seven (7)** days after issuance, with written notice stating the Contractor's intent not to ship the item (or items) called for and the reasons. Upon receiving this notice, the Government may acquire the supplies or services from another source.

(End of clause)

52.216-22 INDEFINITE QUANTITY (OCT 1995)

(a) This is an indefinite-quantity contract for the supplies or services specified, and effective for the period stated, in the Schedule. The quantities of supplies and services specified in the Schedule are estimates only and are not purchased by this contract.

(b) Delivery or performance shall be made only as authorized by orders issued in accordance with the Ordering clause. The Contractor shall furnish to the Government, when and if ordered, the supplies or services specified in the Schedule up to and including the quantity designated in the Schedule as the "maximum". The Government shall order at least the quantity of supplies or services designated in the Schedule as the "minimum".

(c) Except for any limitations on quantities in the Order Limitations clause or in the Schedule, there is no limit on the number of orders that may be issued. The Government may issue orders requiring delivery to multiple destinations or performance at multiple locations.

(d) Any order issued during the effective period of this contract and not completed within that period shall be completed by the Contractor within the time specified in the order. The contract shall govern the Contractor's and Government's rights and obligations with respect to that order to the same extent as if the order were completed during the contract's effective period; provided, that the Contractor shall not be required to make any deliveries under this contract after **the completion date of the final task order**.

(End of clause)

52.217-7 OPTION FOR INCREASED QUANTITY--SEPARATELY PRICED LINE ITEM (MAR 1989)

The Government may require the delivery of the numbered line item, identified in the Schedule as an option item, in the quantity and at the price stated in the Schedule. The Contracting Officer may exercise the option by written notice to the Contractor within [see bid schedule notes](#). Delivery of added items shall continue at the same rate that like items are called for under the contract, unless the parties otherwise agree.

(End of clause)

52.219-8 UTILIZATION OF SMALL BUSINESS CONCERNS (FEB 2024)

(a) Definitions. As used in this contract--

HUBZone small business concern means a small business concern that meets the requirements described in 13 CFR 126.200, certified by the Small Business Administration (SBA) and designated by SBA as a HUBZone small business concern in the Dynamic Small Business Search (DSBS) and SAM.

Service-disabled veteran-owned small business (SDVOSB) concern means a small business concern--

(1)(i) Not less than 51 percent of which is owned and controlled by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and

(ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a service-disabled veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran; or

(2) A small business concern eligible under the SDVOSB Program in accordance with 13 CFR part 128 (see subpart 19.14).

(3) Service-disabled veteran, as used in this definition, means a veteran, as defined in 38 U.S.C. 101(2), with a disability that is service-connected, as defined in 38 U.S.C. 101(16), and who is registered in the Beneficiary Identification and Records Locator Subsystem, or successor system that is maintained by the Department of Veterans Affairs' Veterans Benefits Administration, as a service-disabled veteran.

Service-disabled veteran-owned small business (SDVOSB) concern eligible under the SDVOSB Program means an SDVOSB concern that--

(1) Effective January 1, 2024, is designated in the System for Award Management (SAM) as certified by the Small Business Administration (SBA) in accordance with 13 CFR 128.300; or

(2) Has represented that it is an SDVOSB concern in SAM and submitted a complete application for certification to SBA on or before December 31, 2023.

Service-disabled veteran-owned small business (SDVOSB) Program means a program that authorizes contracting officers to limit competition, including award on a sole-source basis, to SDVOSB concerns eligible under the SDVOSB Program.

Small business concern means a concern, including its affiliates, that is independently owned and operated, not dominant in its field of operation and qualified as a small business under the criteria and size standards in 13 CFR part 121, including the size standard that corresponds to the NAICS code assigned to the contract or subcontract.

Small disadvantaged business concern, consistent with 13 CFR 124.1001, means a small business concern under the size standard applicable to the acquisition, that--

(1) Is at least 51 percent unconditionally and directly owned (as defined at 13 CFR 124.105) by--

(i) One or more socially disadvantaged (as defined at 13 CFR 124.103) and economically disadvantaged (as defined at 13 CFR 124.104) individuals who are citizens of the United States; and

(ii) Each individual claiming economic disadvantage has a net worth not exceeding the threshold at 13 CFR 124.104(c)(2) after taking into account the applicable exclusions set forth at 13 CFR 124.104(c)(2); and

(2) The management and daily business operations of which are controlled (as defined at 13.CFR 124.106) by individuals, who meet the criteria in paragraphs (1)(i) and (ii) of this definition.

Veteran-owned small business concern means a small business concern--

(1) Not less than 51 percent of which is owned and controlled by one or more veterans (as defined at 38 U.S.C. 101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and

(2) The management and daily business operations of which are controlled by one or more veterans.

Women-owned small business concern means a small business concern--

(1) That is at least 51 percent owned by one or more women, or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and

(2) Whose management and daily business operations are controlled by one or more women.

(b) It is the policy of the United States that small business concerns, veteran-owned small business concerns, service-disabled veteran-owned small business concerns, HUBZone small business concerns, small disadvantaged business concerns, and women-owned small business concerns shall have the maximum practicable opportunity to participate in performing contracts let by any Federal agency, including contracts and subcontracts for subsystems, assemblies, components, and related services for major systems. It is further the policy of the United States that its prime contractors establish procedures to ensure the timely payment of amounts due pursuant to the terms of their subcontracts with small business concerns, veteran-owned small business concerns, service-disabled veteran-owned small business concerns, HUBZone small business concerns, small disadvantaged business concerns, and women-owned small business concerns.

(c)(1) A joint venture qualifies as a small business concern if--

(i) Each party to the joint venture qualifies as small under the size standard for the solicitation; or

(ii) The protege is small under the size standard for the solicitation in a joint venture comprised of a mentor and protege with an approved mentor-protege agreement under a SBA mentor-protege program. (See 13 CFR 125.9(d).)

(2) A joint venture qualifies as a HUBZone small business concern if it complies with the requirements in 13 CFR 126.616(a) through (c).

(d) The Contractor hereby agrees to carry out this policy in the awarding of subcontracts to the fullest extent consistent with efficient contract performance. The Contractor further agrees to cooperate in any studies or surveys as may be conducted by the United States Small Business Administration or the awarding agency of the United States as may be necessary to determine the extent of the Contractor's compliance with this clause.

(e)(1) The Contractor may accept a subcontractor's written representations of its size and socioeconomic status as a small business, small disadvantaged business, veteran-owned small business, service-disabled veteran-owned small business, or a women-owned small business if the subcontractor represents that the size and socioeconomic status representations with its offer are current, accurate, and complete as of the date of the offer for the subcontract.

(2) The Contractor may accept a subcontractor's representations of its size and socioeconomic status as a small business, small disadvantaged business, veteran-owned small business, service-disabled veteran-owned small business, or a women-owned small business in the System for Award Management (SAM) if--

(i) The subcontractor is registered in SAM; and

(ii) The subcontractor represents that the size and socioeconomic status representations made in SAM are current, accurate and complete as of the date of the offer for the subcontract.

(3) The Contractor may not require the use of SAM for the purposes of representing size or socioeconomic status in connection with a subcontract.

(4) In accordance with 13 CFR 121.411, 126.900, 127.700, and 128.600, a contractor acting in good faith is not liable for misrepresentations made by its subcontractors regarding the subcontractor's size or socioeconomic status.

(5) The Contractor shall confirm that a subcontractor representing itself as a HUBZone small business concern is certified by SBA as a HUBZone small business concern by accessing SAM or by accessing DSBS at https://web.sba.gov/pro-net/search/dsp_dsbs.cfm. If the subcontractor is a joint venture, the Contractor shall confirm that at least one party to the joint venture is certified by SBA as a HUBZone small business concern. The Contractor may confirm the representation by accessing SAM.

(End of clause)

52.219-14 LIMITATIONS ON SUBCONTRACTING (DEVIATION 2021-O0008) (FEB 2023)

(a) This clause does not apply to the unrestricted portion of a partial set-aside.

(b) Definition. "Similarly situated entity," as used in this clause, means a first-tier subcontractor, including an independent contractor, that—

(1) Has the same small business program status as that which qualified the prime contractor for the award (e.g., for a small business set-aside contract, any small business concern, without regard to its socioeconomic status); and

(2) Is considered small for the size standard under the North American Industry Classification System (NAICS) code the prime contractor assigned to the subcontract.

(c) Applicability. This clause applies only to—

(1) Contracts that have been set aside for any of the small business concerns identified in 19.000(a)(3);

(2) Part or parts of a multiple-award contract that have been set aside for any of the small business concerns identified in 19.000(a)(3);

(3) Contracts that have been awarded on a sole-source basis in accordance with subparts 19.8, 19.13, 19.14, and 19.15;

(4) Orders expected to exceed the simplified acquisition threshold and that are—

(i) Set aside for small business concerns under multiple-award contracts, as described in 8.405-5 and 16.505(b)(2)(i)(F); or

(ii) Issued directly to small business concerns under multiple-award contracts as described in 19.504(c)(1)(ii);

(5) Orders, regardless of dollar value, that are—

(i) Set aside in accordance with subparts 19.8, 19.13, 19.14, or 19.15 under multiple-award contracts, as described in 8.405-5 and 16.505(b)(2)(i)(F); or

(ii) Issued directly to concerns that qualify for the programs described in subparts 19.8, 19.13, 19.14, or 19.15 under multiple-award contracts, as described in 19.504(c)(1)(ii); and

(6) Contracts using the HUBZone price evaluation preference to award to a HUBZone small business concern unless the concern waived the evaluation preference.

(d) Independent contractors. An independent contractor shall be considered a subcontractor.

(e) Limitations on subcontracting. By submission of an offer and execution of a contract, the Contractor agrees that in performance of a contract assigned a North American Industry Classification System (NAICS) code for—

(1) Services (except construction), it will not pay more than 50 percent of the amount paid by the Government for contract performance, excluding certain other direct costs and certain work performed outside the United States (see paragraph (e)(1)(i)), to subcontractors that are not similarly situated entities. Any work that a similarly situated entity further subcontracts will count towards the prime contractor's 50 percent subcontract amount that cannot be exceeded. When a contract includes both services and supplies, the 50 percent limitation shall apply only to the service portion of the contract. The following services may be excluded from the 50 percent limitation:

(i) Other direct costs, to the extent they are not the principal purpose of the acquisition and small business concerns do not provide the service. Examples include airline travel, work performed by a transportation or disposal entity under a contract assigned the environmental remediation NAICS code 562910), cloud computing services, or mass media purchases.

(ii) Work performed outside the United States on awards made pursuant to the Foreign Assistance Act of 1961, or work performed outside the United States required to be performed by a local contractor.

(2) Supplies (other than procurement from a nonmanufacturer of such supplies), it will not pay more than 50 percent of the amount paid by the Government for contract performance, excluding the cost of materials, to subcontractors that are not similarly situated entities. Any work that a similarly situated entity further subcontracts will count towards the prime contractor's 50 percent subcontract amount that cannot be exceeded. When a contract includes both supplies and services, the 50 percent limitation shall apply only to the supply portion of the contract;

(3) General construction, it will not pay more than 85 percent of the amount paid by the Government for contract performance, excluding the cost of materials, to subcontractors that are not similarly situated entities. Any work that a similarly situated entity further subcontracts will count towards the prime contractor's 85 percent subcontract amount that cannot be exceeded; or

(4) Construction by special trade contractors, it will not pay more than 75 percent of the amount paid by the Government for contract performance, excluding the cost of materials, to subcontractors that are not similarly situated entities. Any work that a similarly situated entity further subcontracts will count towards the prime contractor's 75 percent subcontract amount that cannot be exceeded.

(f) The Contractor shall comply with the limitations on subcontracting as follows:

(1) For contracts, in accordance with paragraphs (c)(1), (2), (3) and (6) of this clause –
[Contracting Officer check as appropriate.]

___ By the end of the base term of the contract and then by the end of each subsequent option period; or

___ By the end of the performance period for each order issued under the contract.

(2) For orders, in accordance with paragraphs (c)(4) and (5) of this clause, by the end of the performance period for the order.

(g) A joint venture agrees that, in the performance of the contract, the applicable percentage specified in paragraph (e) of this clause will be performed by the aggregate of the joint venture participants.

(1) In a joint venture comprised of a small business protege and its mentor approved by the Small Business Administration, the small business protege shall perform at least 40 percent of the work performed by the joint venture. Work performed by the small business protege in the joint venture must be more than administrative functions.

(2) In an 8(a) joint venture, the 8(a) participant(s) shall perform at least 40 percent of the work performed by the joint venture. Work performed by the 8(a) participants in the joint venture must be more than administrative functions.

(End of clause)

52.219-28 POST-AWARD SMALL BUSINESS PROGRAM REREPRESENTATION (FEB 2024)

(a) Definitions. As used in this clause--

Long-term contract means a contract of more than five years in duration, including options. However, the term does not include contracts that exceed five years in duration because the period of performance has been extended for a cumulative period not to exceed six months under the clause at 52.217-8, Option to Extend Services, or other appropriate authority.

Small business concern--

(1) Means a concern, including its affiliates, that is independently owned and operated, not dominant in its field of operation, and qualified as a small business under the criteria in 13 CFR part 121 and the size standard in paragraph (d) of this clause.

(2) Affiliates, as used in this definition, means business concerns, one of whom directly or indirectly controls or has the power to control the others, or a third party or parties control or have the power to control the others. In determining whether affiliation exists, consideration is given to all appropriate factors including common ownership, common management, and contractual relationships. SBA determines affiliation based on the factors set forth at 13 CFR 121.103.

(b) If the Contractor represented that it was any of the small business concerns identified in 19.000(a)(3) prior to award of this contract, the Contractor shall rerepresent its size and socioeconomic status according to paragraph (f) of this clause or, if applicable, paragraph (h) of this clause, upon occurrence of any of the following:

(1) Within 30 days after execution of a novation agreement or within 30 days after modification of the contract to include this clause, if the novation agreement was executed prior to inclusion of this clause in the contract.

(2) Within 30 days after a merger or acquisition that does not require a novation or within 30 days after modification of the contract to include this clause, if the merger or acquisition occurred prior to inclusion of this clause in the contract.

(3) For long-term contracts--

(i) Within 60 to 120 days prior to the end of the fifth year of the contract; and

(ii) Within 60 to 120 days prior to the date specified in the contract for exercising any option thereafter.

(c) If the Contractor represented that it was any of the small business concerns identified in 19.000(a)(3) prior to award of this contract, the Contractor shall rerepresent its size and socioeconomic status according to paragraph (f)

of this clause or, if applicable, paragraph (h) of this clause, when the Contracting Officer explicitly requires it for an order issued under a multiple-award contract.

(d) The Contractor shall rerepresent its size status in accordance with the size standard in effect at the time of this rerepresentation that corresponds to the North American Industry Classification System (NAICS) code(s) assigned to this contract. The small business size standard corresponding to this NAICS code(s) can be found at <https://www.sba.gov/document/support--table-size-standards>.

(e) The small business size standard for a Contractor providing an end item that it does not manufacture, process, or produce itself, for a contract other than a construction or service contract, is 500 employees, or 150 employees for information technology value-added resellers under NAICS code 541519, if the acquisition--

(1) Was set aside for small business and has a value above the simplified acquisition threshold;

(2) Used the HUBZone price evaluation preference regardless of dollar value, unless the Contractor waived the price evaluation preference; or

(3) Was an 8(a), HUBZone, service-disabled veteran-owned, economically disadvantaged women-owned, or women-owned small business set-aside or sole-source award regardless of dollar value.

(f) Except as provided in paragraph (h) of this clause, the Contractor shall make the representation(s) required by paragraph (b) and (c) of this clause by validating or updating all its representations in the Representations and Certifications section of the System for Award Management (SAM) and its other data in SAM, as necessary, to ensure that they reflect the Contractor's current status. The Contractor shall notify the contracting office in writing within the timeframes specified in paragraph (b) of this clause, or with its offer for an order (see paragraph (c) of this clause), that the data have been validated or updated, and provide the date of the validation or update.

(g) If the Contractor represented that it was other than a small business concern prior to award of this contract, the Contractor may, but is not required to, take the actions required by paragraphs (f) or (h) of this clause.

(h) If the Contractor does not have representations and certifications in SAM, or does not have a representation in SAM for the NAICS code applicable to this contract, the Contractor is required to complete the following rerepresentation and submit it to the contracting office, along with the contract number and the date on which the rerepresentation was completed:

(1) The Contractor represents that it [] is, [] is not a small business concern under NAICS Code assigned to contract number .

(2) [Complete only if the Contractor represented itself as a small business concern in paragraph (h)(1) of this clause.] The Contractor represents that it [] is, [] is not, a small disadvantaged business concern as defined in 13 CFR 124.1001.

(3) [Complete only if the Contractor represented itself as a small business concern in paragraph (h)(1) of this clause.] The Contractor represents that it [] is, [] is not a women-owned small business concern.

(4) Women-owned small business (WOSB) joint venture eligible under the WOSB Program. The Contractor represents that it [] is, [] is not a joint venture that complies with the requirements of 13 CFR 127.506(a) through (c). [The Contractor shall enter the name and unique entity identifier of each party to the joint venture: .]

(5) Economically disadvantaged women-owned small business (EDWOSB) joint venture. The Contractor represents that it [] is, [] is not a joint venture that complies with the requirements of 13 CFR 127.506(a) through (c). [The Contractor shall enter the name and unique entity identifier of each party to the joint venture: .]

(6) [Complete only if the Contractor represented itself as a small business concern in paragraph (h)(1) of this clause.] The Contractor represents that it [] is, [] is not a veteran-owned small business concern.

(7) [Complete only if the Contractor represented itself as a veteran-owned small business concern in paragraph (h)(6) of this clause.] The Contractor represents that it [] is, [] is not a service-disabled veteran-owned small business concern.

(8) Service-disabled veteran-owned small business (SDVOSB) joint venture eligible under the SDVOSB Program. The Contractor represents that it [] is, [] is not an SDVOSB joint venture eligible under the SDVOSB Program that complies with the requirements of 13 CFR 128.402. [The Contractor shall enter the name and unique entity identifier of each party to the joint venture: .]

(9) [Complete only if the Contractor represented itself as a small business concern in paragraph (h)(1) of this clause.] The Contractor represents that--

(i) It [] is, [] is not a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration, and no material changes in ownership and control, principal office, or HUBZone employee percentage have occurred since it was certified in accordance with 13 CFR part 126; and

(ii) It [] is, [] is not a HUBZone joint venture that complies with the requirements of 13 CFR part 126, and the representation in paragraph (h)(8)(i) of this clause is accurate for each HUBZone small business concern participating in the HUBZone joint venture. [The Contractor shall enter the names of each of the HUBZone small business concerns participating in the HUBZone joint venture: .] Each HUBZone small business concern participating in the HUBZone joint venture shall submit a separate signed copy of the HUBZone representation.

[Contractor to sign and date and insert authorized signer's name and title.]

(End of clause)

52.225-11 BUY AMERICAN--CONSTRUCTION MATERIALS UNDER TRADE AGREEMENTS (NOV 2023)

(a) Definitions. As used in this clause--

Caribbean Basin country construction material means a construction material that--

(1) Is wholly the growth, product, or manufacture of a Caribbean Basin country; or

(2) In the case of a construction material that consists in whole or in part of materials from another country, has been substantially transformed in a Caribbean Basin country into a new and different construction material distinct from the materials from which it was transformed.

Commercially available off-the-shelf (COTS) item—

(1) Means any item of supply (including construction material) that is--

(i) A commercial product (as defined in paragraph (1) of the definition of "commercial product" at Federal Acquisition Regulation (FAR) 2.101);

(ii) Sold in substantial quantities in the commercial marketplace; and

(iii) Offered to the Government, under a contract or subcontract at any tier, without modification, in the same form in which it is sold in the commercial marketplace; and

(2) Does not include bulk cargo, as defined in 46 U.S.C. 40102(4) such as agricultural products and petroleum products.

Component means an article, material, or supply incorporated directly into a construction material.

Construction material means an article, material, or supply brought to the construction site by the Contractor or subcontractor for incorporation into the building or work. The term also includes an item brought to the site preassembled from articles, materials, or supplies. However, emergency life safety systems, such as emergency lighting, fire alarm, and audio evacuation systems, that are discrete systems incorporated into a public building or work and that are produced as complete systems, are evaluated as a single and distinct construction material regardless of when or how the individual parts or components of those systems are delivered to the construction site. Materials purchased directly by the Government are supplies, not construction material.

Cost of components means--

(1) For components purchased by the Contractor, the acquisition cost, including transportation costs to the place of incorporation into the construction material (whether or not such costs are paid to a domestic firm), and any applicable duty (whether or not a duty-free entry certificate is issued); or

(2) For components manufactured by the Contractor, all costs associated with the manufacture of the component, including transportation costs as described in paragraph (1) of this definition, plus allocable overhead costs, but excluding profit. Cost of components does not include any costs associated with the manufacture of the construction material.

Critical component means a component that is mined, produced, or manufactured in the United States and deemed critical to the U.S. supply chain. The list of critical components is at FAR 25.105.

Critical item means a domestic construction material or domestic end product that is deemed critical to U.S. supply chain resiliency. The list of critical items is at FAR 25.105.

Designated country means any of the following countries:

(1) A World Trade Organization Government Procurement Agreement (WTO GPA) country (Armenia, Aruba, Australia, Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hong Kong, Hungary, Iceland, Ireland, Israel, Italy, Japan, Korea (Republic of), Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Moldova, Montenegro, Netherlands, New Zealand, North Macedonia, Norway, Poland, Portugal, Romania, Singapore, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Taiwan, Ukraine, or United Kingdom);

(2) A Free Trade Agreement (FTA) country (Australia, Bahrain, Chile, Colombia, Costa Rica, Dominican Republic, El Salvador, Guatemala, Honduras, Korea (Republic of), Mexico, Morocco, Nicaragua, Oman, Panama, Peru, or Singapore);

(3) A least developed country (Afghanistan, Angola, Bangladesh, Benin, Bhutan, Burkina Faso, Burundi, Cambodia, Central African Republic, Chad, Comoros, Democratic Republic of Congo, Djibouti, Equatorial Guinea, Eritrea, Ethiopia, Gambia, Guinea, Guinea-Bissau, Haiti, Kiribati, Laos, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mozambique, Nepal, Niger, Rwanda, Samoa, Sao Tome and Principe, Senegal, Sierra Leone, Solomon Islands, Somalia, South Sudan, Tanzania, Timor-Leste, Togo, Tuvalu, Uganda, Vanuatu, Yemen, or Zambia); or

(4) A Caribbean Basin country (Antigua and Barbuda, Aruba, Bahamas, Barbados, Belize, Bonaire, British Virgin Islands, Curacao, Dominica, Grenada, Guyana, Haiti, Jamaica, Montserrat, Saba, St. Kitts and Nevis, St. Lucia, St. Vincent and the Grenadines, Sint Eustatius, Sint Maarten, or Trinidad and Tobago).

Designated country construction material means a construction material that is a WTO GPA country construction material, an FTA country construction material, a least developed country construction material, or a Caribbean Basin country construction material.

Domestic construction material means--

(1) For construction material that does not consist wholly or predominantly of iron or steel or a combination of both-

(i) An unmanufactured construction material mined or produced in the United States; or

(ii) A construction material manufactured in the United States, if--

(A) The cost of its components mined, produced, or manufactured in the United States exceeds 60 percent of the cost of all its components, except that the percentage will be 65 percent for items delivered in calendar years 2024 through 2028 and 75 percent for items delivered starting in calendar year 2029. Components of foreign origin of the same class or kind for which nonavailability determinations have been made are treated as domestic. Components of unknown origin are treated as foreign; or

(B) The construction material is a COTS item; or

(2) For construction material that consists wholly or predominantly of iron or steel or a combination of both, a construction material manufactured in the United States if the cost of foreign iron and steel constitutes less than 5 percent of the cost of all components used in such construction material. The cost of foreign iron and steel includes but is not limited to the cost of foreign iron or steel mill products (such as bar, billet, slab, wire, plate, or sheet), castings, or forgings utilized in the manufacture of the construction material and a good faith estimate of the cost of all foreign iron or steel components excluding COTS fasteners. Iron or steel components of unknown origin are treated as foreign. If the construction material contains multiple components, the cost of all the materials used in such construction material is calculated in accordance with the definition of "cost of components".

Fastener means a hardware device that mechanically joins or affixes two or more objects together. Examples of fasteners are nuts, bolts, pins, rivets, nails, clips, and screws.

Foreign construction material means a construction material other than a domestic construction material.

Foreign iron and steel means iron or steel products not produced in the United States. Produced in the United States means that all manufacturing processes of the iron or steel must take place in the United States, from the initial melting stage through the application of coatings, except metallurgical processes involving refinement of steel additives. The origin of the elements of the iron or steel is not relevant to the determination of whether it is domestic or foreign.

Least developed country construction material means a construction material that--

(1) Is wholly the growth, product, or manufacture of a least developed country; or

(2) In the case of a construction material that consists in whole or in part of materials from another country, has been substantially transformed in a least developed country into a new and different construction material distinct from the materials from which it was transformed.

Free Trade Agreement country construction material means a construction material that—

(1) Is wholly the growth, product, or manufacture of a Free Trade Agreement (FTA) country; or

(2) In the case of a construction material that consists in whole or in part of materials from another country, has been substantially transformed in a FTA country into a new and different construction material distinct from the materials from which it was transformed.

Least developed country construction material means a construction material that—

(1) Is wholly the growth, product, or manufacture of a least developed country; or

(2) In the case of a construction material that consists in whole or in part of materials from another country, has been substantially transformed in a least developed country into a new and different construction material distinct from the materials from which it was transformed.

Predominantly of iron or steel or a combination of both means that the cost of the iron and steel content exceeds 50 percent of the total cost of all its components. The cost of iron and steel is the cost of the iron or steel mill products (such as bar, billet, slab, wire, plate, or sheet), castings, or forgings utilized in the manufacture of the product and a good faith estimate of the cost of iron or steel components excluding COTS fasteners.

Steel means an alloy that includes at least 50 percent iron, between 0.02 and 2 percent carbon, and may include other elements.

United States means the 50 States, the District of Columbia, and outlying areas.

WTO GPA country construction material means a construction material that--

(1) Is wholly the growth, product, or manufacture of a WTO GPA country; or

(2) In the case of a construction material that consists in whole or in part of materials from another country, has been substantially transformed in a WTO GPA country into a new and different construction material distinct from the materials from which it was transformed.

(b) Construction materials.

(1) This clause implements 41 U.S.C. chapter 83, Buy American, by providing a preference for domestic construction material. In accordance with 41 U.S.C. 1907, the domestic content test of the Buy American statute is waived for construction material that is a COTS item, except that for construction material that consists wholly or predominantly of iron or steel or a combination of both, the domestic content test is applied only to the iron and steel content of the construction material, excluding COTS fasteners. (See FAR 12.505(a)(2)). In addition, the Contracting Officer has determined that the WTO GPA and Free Trade Agreements (FTAs) apply to this acquisition. Therefore, the Buy American restrictions are waived for designated country construction materials.

(2) The Contractor shall use only domestic or designated country construction material in performing this contract, except as provided in paragraphs (b)(3) and (b)(4) of this clause.

(3) The requirement in paragraph (b)(2) of this clause does not apply to information technology that is a commercial product or to the construction materials or components listed by the Government as follows:

None

(4) The Contracting Officer may add other foreign construction material to the list in paragraph (b)(3) of this clause if the Government determines that--

(i) The cost of domestic construction material would be unreasonable.

(A) For domestic construction material that is not a critical item or does not contain critical components.

(1) The cost of a particular domestic construction material subject to the restrictions of the Buy American statute is unreasonable when the cost of such material exceeds the cost of foreign material by more than 20 percent;

(2) For construction material that is not a COTS item and does not consist wholly or predominantly of iron or steel or a combination of both, if the cost of a particular domestic construction material is determined to be unreasonable or there is no domestic offer received, and the low offer is for foreign construction material that does not exceed 55 percent domestic content, the Contracting Officer will treat the lowest offer of foreign construction material that is manufactured in the United States and exceeds 55 percent domestic content as a domestic offer and determine whether the cost of that offer is unreasonable by applying the evaluation factor listed in paragraph (b)(4)(i)(A)(1) of this clause.

(3) The procedures in paragraph (b)(4)(i)(A)(2) of this clause will no longer apply as of January 1, 2030.

(B) For domestic construction material that is a critical item or contains critical components.

(1) The cost of a particular domestic construction material that is a critical item or contains critical components, subject to the requirements of the Buy American statute, is unreasonable when the cost of such material exceeds the cost of foreign material by more than 20 percent plus the additional preference factor identified for the critical item or construction material containing critical components listed at FAR 25.105.

(2) For construction material that does not consist wholly or predominantly of iron or steel or a combination of both, if the cost of a particular domestic construction material is determined to be unreasonable or there is no domestic offer received, and the low offer is for foreign construction material that does not exceed 55 percent domestic content, the Contracting Officer will treat the lowest offer of foreign construction material that is manufactured in the United States and exceeds 55 percent domestic content as a domestic offer, and determine whether the cost of that offer is unreasonable by applying the evaluation factor listed in paragraph (b)(4)(i)(B)(1) of this clause.

(3) The procedures in paragraph (b)(4)(i)(B)(2) of this clause will no longer apply as of January 1, 2030.

(ii) The application of the restriction of the Buy American statute to a particular construction material would be impracticable or inconsistent with the public interest; or

(iii) The construction material is not mined, produced, or manufactured in the United States in sufficient and reasonably available commercial quantities of a satisfactory quality.

(c) Request for determination of inapplicability of the Buy American statute.

(1)(i) Any Contractor request to use foreign construction material in accordance with paragraph (b)(4) of this clause shall include adequate information for Government evaluation of the request, including--

(A) A description of the foreign and domestic construction materials;

(B) Unit of measure;

(C) Quantity;

(D) Price;

(E) Time of delivery or availability;

(F) Location of the construction project;

(G) Name and address of the proposed supplier; and

(H) A detailed justification of the reason for use of foreign construction materials cited in accordance with paragraph (b)(3) of this clause.

(ii) A request based on unreasonable cost shall include a reasonable survey of the market and a completed price comparison table in the format in paragraph (d) of this clause.

(iii) The price of construction material shall include all delivery costs to the construction site and any applicable duty (whether or not a duty-free certificate may be issued).

(iv) Any Contractor request for a determination submitted after contract award shall explain why the Contractor could not reasonably foresee the need for such determination and could not have requested the determination before contract award. If the Contractor does not submit a satisfactory explanation, the Contracting Officer need not make a determination.

(2) If the Government determines after contract award that an exception to the Buy American statute applies and the Contracting Officer and the Contractor negotiate adequate consideration, the Contracting Officer will modify the contract to allow use of the foreign construction material. However, when the basis for the exception is the

unreasonable price of a domestic construction material, adequate consideration is not less than the differential established in paragraph (b)(4)(i) of this clause.

(3) Unless the Government determines that an exception to the Buy American statute applies, use of foreign construction material is noncompliant with the Buy American statute.

(d) Data. To permit evaluation of requests under paragraph (c) of this clause based on unreasonable cost, the Contractor shall include the following information and any applicable supporting data based on the survey of suppliers:

Foreign and Domestic Construction Materials Price Comparison

Construction material description	Unit of measure	Quantity	Price (dollars) *
Item 1:			
Foreign construction material....			
Domestic construction material...			
Item 2:			
Foreign construction material....			
Domestic construction material...			

[* Include all delivery costs to the construction site and any applicable duty (whether or not a duty-free entry certificate is issued)].

[List name, address, telephone number, and contact for suppliers surveyed. Attach copy of response; if oral, attach summary.]

[Include other applicable supporting information.]

(End of clause)

52.228-14 IRREVOCABLE LETTER OF CREDIT (NOV 2014)

(a) "Irrevocable letter of credit" (ILC), as used in this clause, means a written commitment by a federally insured financial institution to pay all or part of a stated amount of money, until the expiration date of the letter, upon presentation by the Government (the beneficiary) of a written demand therefor. Neither the financial institution nor the offeror/Contractor can revoke or condition the letter of credit.

(b) If the offeror intends to use an ILC in lieu of a bid bond, or to secure other types of bonds such as performance and payment bonds, the letter of credit and letter of confirmation formats in paragraphs (e) and (f) of this clause shall be used.

(c) The letter of credit shall be irrevocable, shall require presentation of no document other than a written demand and the ILC (including confirming letter, if any), shall be issued/confirmed by an acceptable federally insured financial institution as provided in paragraph (d) of this clause, and--

(1) If used as a bid guarantee, the ILC shall expire no earlier than 60 days after the close of the bid acceptance period;

(2) If used as an alternative to corporate or individual sureties as security for a performance or payment bond, the offeror/Contractor may submit an ILC with an initial expiration date estimated to cover the entire period for which financial security is required or may submit an ILC with an initial expiration date that is a minimum period of one year from the date of issuance. The ILC shall provide that, unless the issuer provides the beneficiary written notice of non-renewal at least 60 days in advance of the current expiration date, the ILC is automatically extended without

amendment for one year from the expiration date, or any future expiration date, until the period of required coverage is completed and the Contracting Officer provides the financial institution with a written statement waiving the right to payment. The period of required coverage shall be:

(i) For contracts subject to 40 U.S.C. chapter 31, subchapter III, Bonds, the later of--

(A) One year following the expected date of final payment;

(B) For performance bonds only, until completion of any warranty period; or

(C) For payment bonds only, until resolution of all claims filed against the payment bond during the one-year period following final payment.

(ii) For contracts not subject to the Miller Act, the later of--

(A) 90 days following final payment; or

(B) For performance bonds only, until completion of any warranty period.

(d)(1) Only federally insured financial institutions rated investment grade by a commercial rating service shall issue or confirm the ILC.

(2) Unless the financial institution issuing the ILC had letter of credit business of at least \$25 million in the past year, ILCs over \$5 million must be confirmed by another acceptable financial institution that had letter of credit business of at least \$25 million in the past year.

(3) The Offeror/Contractor shall provide the Contracting Officer a credit rating that indicates the financial institutions have the required credit rating as of the date of issuance of the ILC.

(4) The current rating for a financial institution is available through any of the following rating services registered with the U.S. Securities and Exchange Commission (SEC) as a Nationally Recognized Statistical Rating Organization (NRSRO). NRSRO's can be located at the Web site <http://www.sec.gov/answers/nrsro.htm> maintained by the SEC.

(e) The following format shall be used by the issuing financial institution to create an ILC:

[Issuing Financial Institution's Letterhead or Name and Address]

Issue Date _ _ _ _

IRREVOCABLE LETTER OF CREDIT NO. ____

Account party's name ____ _

Account party's address ____ _

For Solicitation No. **W9127824R0055**(for reference only)

TO: United States Army Corps of Engineers

**United States Army Corps of Engineers
Mobile District – CT
C/O: Eric J. Hurtado/Chanda D. Strenth
1242 Montlimar Dr
Mobile, AL 36609**

1. We hereby establish this irrevocable and transferable Letter of Credit in your favor for one or more drawings up to United States \$ ____ . This Letter of Credit is payable at [issuing financial institution's and, if any, confirming financial institution's] office at [____ issuing financial institution's address and, if any, confirming financial institution's address] and expires with our close of business on ____ , or any automatically extended expiration date.

2. We hereby undertake to honor your or the transferee's sight draft(s) drawn on the issuing or, if any, the confirming financial institution, for all or any part of this credit if presented with this Letter of Credit and confirmation, if any, at the office specified in paragraph 1 of this Letter of Credit on or before the expiration date or any automatically extended expiration date.

3. [This paragraph is omitted if used as a bid guarantee, and subsequent paragraphs are renumbered.] It is a condition of this Letter of Credit that it is deemed to be automatically extended without amendment for one year from the expiration date hereof, or any future expiration date, unless at least 60 days prior to any expiration date, we notify you or the transferee by registered mail, or other receipted means of delivery, that we elect not to consider this Letter of Credit renewed for any such additional period. At the time we notify you, we also agree to notify the account party (and confirming financial institution, if any) by the same means of delivery.

4. This Letter of Credit is transferable. Transfers and assignments of proceeds are to be effected without charge to either the beneficiary or the transferee/assignee of proceeds. Such transfer or assignment shall be only at the written direction of the Government (the beneficiary) in a form satisfactory to the issuing financial institution and the confirming financial institution, if any.

5. This Letter of Credit is subject to the Uniform Customs and Practice (UCP) for Documentary Credits, International Chamber of Commerce Publication No. ____ -- (Insert version in effect at the time of ILC issuance, e.g., ``Publication 600, 2006 edition") and to the extent not inconsistent therewith, to the laws of ____ -
-[State of confirming financial institution, if any, otherwise State of issuing financial institution].

6. If this credit expires during an interruption of business of this financial institution as described in Article 17 of the UCP, the financial institution specifically agrees to effect payment if this credit is drawn against within 30 days after the resumption of our business.

Sincerely,

[____ Issuing financial institution]

(f) The following format shall be used by the financial institution to confirm an ILC:

____ [Confirming Financial Institution's Letterhead or Name and Address]

(Date) ____

Our Letter of Credit Advice Number ____

Beneficiary: ____ [U.S. Government agency]

Issuing Financial Institution: ____

Issuing Financial Institution's LC No.: ____

Gentlemen:

1. We hereby confirm the above indicated Letter of Credit, the original of which is attached, issued by ____ [name of issuing financial institution] for drawings of up to United States dollars ____ /U.S. \$ ____ and expiring with our close of business on ____ [the expiration date], or any automatically extended expiration date.

2. Draft(s) drawn under the Letter of Credit and this Confirmation are payable at our office located at ____ .

3. We hereby undertake to honor sight draft(s) drawn under and presented with the Letter of Credit and this Confirmation at our offices as specified herein.

4. [This paragraph is omitted if used as a bid guarantee, and subsequent paragraphs are renumbered.] It is a condition of this confirmation that it be deemed automatically extended without amendment for one year from the expiration date hereof, or any automatically extended expiration date, unless:

(a) At least 60 days prior to any such expiration date, we shall notify the Contracting Officer, or the transferee and the issuing financial institution, by registered mail or other receipted means of delivery, that we elect not to consider this confirmation extended for any such additional period; or

(b) The issuing financial institution shall have exercised its right to notify you or the transferee, the account party, and ourselves, of its election not to extend the expiration date of the Letter of Credit.

5. This confirmation is subject to the Uniform Customs and Practice (UCP) for Documentary Credits, International Chamber of Commerce Publication No. ____ -- (Insert version in effect at the time of ILC issuance, e.g., ``Publication 600, 2006 edition") and to the extent not inconsistent therewith, to the laws of ____ --[State of confirming financial institution].

6. If this confirmation expires during an interruption of business of this financial institution as described in Article 17 of the UCP, we specifically agree to effect payment if this credit is drawn against within 30 days after the resumption of our business.

Sincerely,

[Confirming financial institution]

(g) The following format shall be used by the Contracting Officer for a sight draft to draw on the Letter of Credit:

SIGHT DRAFT

[City, State]

(Date) ____

[Name and address of financial institution]

Pay to the order of ____ [Beneficiary Agency] ____ the sum of United States ____ This draft is drawn under Irrevocable Letter of Credit No. ____

____ [Beneficiary Agency]

By: ____

(End of clause)

52.236-1 PERFORMANCE OF WORK BY THE CONTRACTOR (APR 1984)

The Contractor shall perform on the site, and with its own organization, work equivalent to at least 12% percent of the total amount of work to be performed under the contract. This percentage may be reduced by a supplemental

agreement to this contract if, during performing the work, the Contractor requests a reduction and the Contracting Officer determines that the reduction would be to the advantage of the Government.

(End of clause)

52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

<https://www.acquisition.gov/browse/index/far>

<https://www.acquisition.gov/dfars>

(End of clause)

52.252-6 AUTHORIZED DEVIATIONS IN CLAUSES (NOV 2020)

(a) The use in this solicitation or contract of any Federal Acquisition Regulation (48 CFR Chapter 1) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the date of the clause.

(b) The use in this solicitation or contract of any clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the name of the regulation.

(End of clause)

252.236-7001 CONTRACT DRAWINGS AND SPECIFICATIONS (AUG 2000)

(a) The Government will provide to the Contractor, without charge, one set of contract drawings and specifications, except publications incorporated into the technical provisions by reference, in electronic or paper media as chosen by the Contracting Officer.

(b) The Contractor shall--

(1) Check all drawings furnished immediately upon receipt;

(2) Compare all drawings and verify the figures before laying out the work;

(3) Promptly notify the Contracting Officer of any discrepancies;

(4) Be responsible for any errors that might have been avoided by complying with this paragraph (b); and

(5) Reproduce and print contract drawings and specifications as needed.

(c) In general--

(1) Large-scale drawings shall govern small-scale drawings; and

(2) The Contractor shall follow figures marked on drawings in preference to scale measurements.

(d) Omissions from the drawings or specifications or the misdescription of details of work that are manifestly necessary to carry out the intent of the drawings and specifications, or that are customarily performed, shall not relieve the Contractor from performing such omitted or misdescribed details of the work. The Contractor shall perform such details as if fully and correctly set forth and described in the drawings and specifications.

(e) The work shall conform to the specifications and the contract drawings identified in this solicitation.

(End of clause)

UAI 5152.236-9011 DESIGN-BUILD CONSTRUCTION CONTRACTS (MAR 2019)

(a) Design-Build Contract Order of Precedence. The contract includes the standard contract clauses and schedules current at the time of contract award. It entails (1) the Solicitation in its entirety, including all drawings, cuts, and illustrations, and any amendments, and (2) the successful offeror's accepted proposal. The contract constitutes and defines the entire agreement between the Contractor and the Government. No documentation shall be omitted which in any way bears upon the terms of that agreement.

(1) In the event of conflict or inconsistency between any portion of this contract, precedence shall be given in the following order:

i. Betterments: Any portions of the accepted proposal which both conform to and exceed the requirements of the Solicitation.

ii. The requirements of the Solicitation. (See also FAR 52.236-21, Specifications and Drawings for Construction)

iii. All other elements of the accepted proposal.

iv. Any design products including, but not limited to, plans, specifications, engineering studies and analyses, shop drawings, equipment installation drawings, etc. These are "deliverables" under the contract and are not part of the contract itself. Design products must conform to all provisions of the contract, in the order of precedence herein.

(b) Personnel, subcontractors, and outside associates or consultants. In connection with this contract, any in-house personnel, subcontractors, and outside associates or consultants will be limited to individuals or firms that were specifically identified in the Contractor's accepted proposal. The Contractor shall obtain the Contracting Officer's written consent before making any substitution for these designated in-house personnel, subcontractors, associates, or consultants. If the Contractor proposes a substitution, it shall submit the same type of information that was submitted in the accepted proposal to the Contracting Officer for evaluation and approval. The level of qualifications and experience submitted in the accepted proposal or that required by the Solicitation, whichever is greater, is the minimum standard for any substitution.

(c) Responsibility of the Contractor for Design. The Contractor shall be responsible for the professional quality, technical accuracy, and the coordination of all designs, drawings, specifications, and other non-construction services furnished by the Contractor under this contract. The Contractor shall, without additional compensation, correct or revise any errors or deficiency in its designs, drawings, specifications, and other non-construction services and perform any necessary rework or modifications, including any damage to real or personal property, resulting from the design error or omission.

(1) The standard of care for all design services performed under this agreement shall be the care and skill ordinarily used by members of the architectural or engineering professions practicing under similar conditions at the same time and locality. Notwithstanding the above, in the event that the contract specifies that portions of the Work be performed in accordance with a performance standard, the design services shall be performed so as to achieve such standards.

(2) Neither the Government's review, approval or acceptance of, nor payment for, the services required under this contract, shall be construed to operate as a waiver of any rights under this contract or of any cause of action arising out of the performance of this contract. The Contractor shall be and remain liable to the Government in accordance

with applicable law for all damages to the Government caused by the Contractor's negligent performance of any of these services furnished under this contract.

(3) The rights and remedies of the Government provided for under this contract are in addition to any other rights and remedies provided by law.

(4) If the Contractor is comprised of more than one legal entity, each entity shall be jointly and severally liable hereunder.

(d) Contractor's Role during the Design Process. The Contractor's construction management key personnel shall be actively involved during the design process to effectively integrate the design and construction requirements of this contract. In addition to the typical required construction activities, the Contractor's involvement includes, but is not limited to actions such as: integrating the design schedule into the Master Schedule to maximize the effectiveness of fast-tracking design and construction (within the limits allowed in the contract), ensuring constructability and economy of the design, integrating the shop drawing and installation drawing process into the design, executing the material and equipment acquisition programs to meet critical schedules, effectively interfacing the design and construction quality control (QC) management programs with the design QC program, and maintaining and providing the design team with accurate, up-to-date redline and as-built documentation for eventual submission as Record Drawings.. The Contractor shall require and manage the active involvement of key trade subcontractors in the above activities.

(e) Deviating from the Accepted Design. The Contractor must obtain the approval of the Designer of Record and the Government's concurrence, in the form of supplemental agreement to the contract, for any Contractor-proposed revision to the professionally stamped-and-sealed and Government-reviewed final design that has been released for Construction before proceeding with the revision. The Government reserves the right to disapprove such a revision.

(1) The Government reserves the right to non-concur with any revision to the final design that has been released for construction, including those which may impact furniture, furnishings, equipment selections or operations decisions that were made, based on the reviewed design.

(2) Any Contractor-proposed revision to the design which deviates from the contract requirements (i.e., the Request for Proposal (RFP) and the accepted proposal), will require a bilateral modification (e.g. supplemental agreement) to the contract before any work commences.

(3) Unless the Government initiates a change to the contract requirements, or the Government determines that the Government furnished design criteria are incorrect and must be revised, any Contractor initiated proposed change to the contract requirements, which results in additional cost, shall strictly be at the Contractor's expense.

(4) The Contractor shall track all approved revisions to the reviewed and accepted design and shall incorporate them into the as-built design documentation, in accordance with agreed procedures. The Designer of Record shall document its professional concurrence on the as-builts for any revisions in the stamped and sealed drawings and specifications.

(f) Value Engineering after Award. In reference to Federal Acquisition Regulation (FAR) 52.248-3, Value Engineering - Construction, the Government may refuse to entertain a "Value Engineering Change Proposal" (VECP) for those "performance oriented" aspects of the Solicitation documents which were addressed in the Contractor's accepted contract proposal and which were evaluated in competition with other offerors for award of this contract.

(1) The Government may consider a VECP for those "prescriptive" aspects of the Solicitation documents, not addressed in the Contractor's accepted contract proposal or addressed but evaluated only for minimum conformance with the Solicitation requirements.

(2) For purposes of this clause, the term "performance oriented" refers to those aspects of the design criteria or other contract requirements, which allow the offeror or Contractor certain latitude, choice of and flexibility to propose in its accepted proposal a choice of design, technical approach, design solution, construction approach or other approach to fulfill the contract requirements. Such requirements generally tend to be expressed in terms of functions

to be performed, performance required or essential physical characteristics, without dictating a specific process or specific design solution for achieving the desired result.

(3) In contrast, for purposes of this clause, the term "prescriptive" refers to those aspects of the design criteria or other Solicitation requirements wherein the Government expressed the design solution or other requirements in terms of specific material, approaches, systems, and/or processes to be used. Prescriptive aspects typically allow the offerors little or no freedom in the choice of design approach, materials, fabrication techniques, methods of installation, or any other approach to fulfill the contract requirements.

(g) Warranty of Design. The Contractor warrants that the design shall be performed in accordance with the contract requirements. Design and design related construction not conforming to the Contract requirements shall be corrected at no additional cost to the Government. The standard of care for design is defined in paragraph c of this clause, Responsibility of the Contractor for Design.

(1) The period of this warranty shall commence upon final completion and the Government's acceptance of the work, or in the case of the Government's beneficial occupancy of all or part of the work for its convenience, prior to final completion and acceptance, at the time of such occupancy.

(2) This design warranty shall be effective from the above event through the Statute of Limitations and Statute of Repose or host nation law, as applicable to the place of construction performance.

(3) The rights and remedies of the Government provided for under this clause are in addition to any other rights and remedies provided in this contract or by law.

(h) Government Re-Use of Design. In conjunction with the Defense Federal Acquisition Regulation Supplement (DFARS) 252.227-7022, Government Rights (Unlimited), the Government will not ask for additional originals or copies of the design works after the Contractor provides all required design documentation and record drawing documentation under the instant contract. Further, if the Government uses the design for other projects without additional compensation to the Contractor for re-use, the Government releases the Contractor from liability in the design on the other projects, due to defects in the design that are not the result of fraud, gross mistake as amounts to fraud, gross negligence or intentional misrepresentation.

(End of clause)

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1. REQUESTS FOR INFORMATION (MAR 2013)

Any questions about this solicitation, including technical questions about plans and specifications, shall be submitted via the Bidder Inquiry Portal in ProjNet at <https://www.projnet.org>. To submit and review inquiry items, prospective vendors will need to use the Bidder Inquiry Key presented below and follow the instructions listed below the key for access. A prospective vendor who submits a comment /question will receive an acknowledgement of their comment/question via email, followed by an answer to the comment/question after it has been processed by our technical team. All timely questions and approved answers will be made available through ProjNet.

Questions shall be submitted no later than **5 MARCH 2025** at **2:00 PM** Central Time to allow time for a response, and amendment to the solicitation if necessary. On this date and time, the portal will be closed.

For technical questions, no other means of communication, e-mail, fax, or telephone will be accepted. Oral exchanges between Offerors or Bidders and the Government prior to award of the contract will not be binding. In addition to information available to Offerors or Bidders on the Bidder Inquiry Portal, any information concerning this solicitation will be furnished to all Offerors or Bidders as an amendment to the solicitation if the information is necessary to the submittal of offers or bids.

The Solicitation Number is: **W9127824R0055 – PHASE 2**

The Bidder Inquiry Key is: **EGMFGC-R3N5NR**

Section 01 00 01

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REPLACED BY AMENDMENT NO. W9127824R0055-0001

Specific Instructions for ProjNet Bid Inquiry Access:

1. From the ProjNet home page linked above, click on Quick Add on the upper right side of the screen.
2. Identify the Agency. This should be marked as USACE.
3. Key. Enter the Bidder Inquiry Key listed above.
4. Email. Enter the email address you would like to use for communication.
5. Click Continue. A page will then open saying that a user account was not found and will ask you to create one using the provided form.
6. Enter your First Name, Last Name, Company, City, State, Phone, Email, Secret Question, Secret Answer, and Time Zone. Make sure to remember your Secret Question and Answer as they will be used from this point on to access the ProjNet system.
7. Click Add User. Once this is completed you are now registered within ProjNet and are currently logged into the system.

Specific Instructions for Future ProjNet Bid Inquiry Access:

1. For future access to ProjNet, you will not be emailed any type of password. You will utilize your Secret Question and Secret Answer to log in.
2. From the ProjNet home page linked above, click on Quick Add on the upper right side of the screen.
3. Identify the Agency. This should be marked as USACE.
4. Key. Enter the Bidder Inquiry Key listed above.
5. Email. Enter the email address you used to register previously in ProjNet.
6. Click Continue. A page will then open asking you to enter the answer to your Secret Question.
7. Enter your Secret Answer and click Login. Once this is completed you are now logged into the system.

Note: Questions/comments should be entered in the system one at a time. List of questions uploaded into ProjNet, regardless of the format, will not be answered.

Offerors or Bidders are requested to review the solicitation and amendments in their entirety, as well as to review the Bidder Inquiry Portal for previous questions and responses, prior to submission of a new inquiry on the Portal.

CAUTION: ANY INQUIRY SUBMITTED AND ANSWERED WITHIN THIS SYSTEM, WILL BE ACCESSIBLE TO VIEW BY ALL INTERESTED OFFERORS OR BIDDERS ON THIS SOLICITATION.

The call center for the ProjNet operates weekdays from 8 AM to 5 PM U.S. Central Time Zone. The telephone number is 1-800-428-HELP.

End of Paragraph

2. CONTRACT PRICES - BIDDING SCHEDULE

Payment for the various items listed in the Bidding Schedule shall constitute full compensation for furnishing all plant, labor, equipment, appliances, materials and bonds (performance and payment), and for performing all operations required to complete the work in conformity with the drawings and specifications. All costs for work not specifically mentioned in the Bidding Schedule shall be included in the contract prices for the items listed.

End of Paragraph

3. EQUIPMENT OWNERSHIP AND OPERATING EXPENSE SCHEDULE (MAR 1995)

(a) This clause does not apply to terminations. See FAR Part 49.

(b) Allowable cost for construction and marine plant and equipment in sound workable condition owned or controlled and furnished by a contractor or subcontractor at any tier shall be based on actual cost data for each piece of equipment or groups of similar serial and series for which the Government can determine both ownership and operating costs from the contractor's accounting records. When both ownership and operating costs cannot be determined for any piece of equipment or groups of similar serial or series equipment from the contractor's accounting records, costs for that equipment shall be based upon the applicable provisions of EP 1110-1-8, "Construction Equipment Ownership and Operating Expense Schedule," Region III. Working conditions shall be considered to be average for determining equipment rates using the schedule unless specified otherwise by the contracting officer. For equipment not included in the schedule, rates for comparable pieces of equipment may be used or a rate may be developed using the formula provided in the schedule. For forward pricing, the schedule in effect at the time of negotiations shall apply. For retrospective pricing, the schedule in effect at the time the work was performed shall apply.

(c) Equipment rental costs are allowable, subject to the provisions of FAR 31.105(2)(d)(i) and FAR 31.205-36. Rates for equipment rented from an organization under common control, lease-purchase arrangements, and sale-leaseback arrangements will be determined using the schedule, except that actual rates will be used for equipment leased from an organization under common control that has an established practice of leasing the same or similar equipment to unaffiliated lessees.

End of Paragraph

4. U.S. ARMY CORPS OF ENGINEERS SAFETY AND HEALTH REQUIREMENTS MANUAL, EM 385-1-1

This paragraph applies to contracts and purchase orders that require the contractor to comply with EM 385-1-1 (e.g., contracts that include the Accident Prevention clause at FAR 52.236-13 and/or other safety provisions). EM 385-1-1 and its changes are available at <http://www.usace.army.mil/Safety-and-Occupational-Health/EM-385-1-1-2008-Being-Revised/>. The Contractor shall be responsible for complying with the current edition and all changes posted on the web through the date that is 10 calendar days prior to the date offers are due. If the solicitation is amended to extend the time set for receipt of offers, the 10 calendar days rule stated above shall be applied against the amended date. (For example, if offers are due on 10 April, all changes posted on or before 31 March shall apply to the contract. If the time for receipt of offers is extended from 10 April to 20 April, all changes posted on or before 10 April shall apply to the contract.)

End of Paragraph

5. AFFILIATED BIDDERS

(a) Business concerns are affiliates of each other when, either directly or indirectly, (1) one concern controls or has the power to control the other, or (2) a third party controls or has the power to control both.

(b) Each bidder shall submit with its bid an affidavit stating that it has no affiliates, or containing the following information.

(1) The names and addresses of all affiliates of the bidder.

(2) The names and addresses of all persons and concerns exercising control or ownership of the bidder and any or all of its affiliates, and whether they exercise such control or ownership as common officers, directors, stockholders, holding controlling interest, or otherwise.

Please check when applicable:

_____ The offeror certifies that it has no affiliates.

_____ The offeror certifies that it is affiliated with the concerns designated on an attached affidavit.

End of Paragraph

6. LABOR REPORTS

The Contractor shall promptly furnish and shall cause any subcontractors to furnish in like manner within seven (7) days after the regular payment date of each weekly payroll to the Contracting Officer, a copy of such payroll together with a statement of compliance with respect to the wages paid each of its employees (which shall not be deemed to apply to persons in classifications higher than laborers and mechanics and those who are the immediate supervisors of such employees) engaged on the work. If the Contractor or any of his subcontractors fail to furnish copies of such payrolls, the Contracting Officer may disapprove all or part of any progress payment estimate for the period covered by such payrolls until they are received by him. The Contractor shall also prepare and furnish such labor reports as may be required by the Department of Labor.

End of Paragraph

7. PROTECTION OF MATERIAL AND WORK

The Contractor shall at all times protect and preserve all materials, supplies and equipment of every description (including property which may be Government-furnished or owned) and all work performed. All reasonable requests of the Contracting Officer to enclose or specially protect such property shall be complied with. If, as determined by the Contracting Officer, material, equipment, supplies, and work performed are not adequately protected by the Contractor such property may be protected by the Government and the cost thereof may be charged to the Contractor or deducted from any payments due him.

End of Paragraph

8. DESCRIPTION OF WORK

The U.S. Army Corps of Engineers, Mobile District, anticipates constructing projects for the Department of Homeland Security within the Mobile District Area of Responsibility. The support to be provided is generally Design-Build (DB) Repair and New Construction work, and may also include Design-Bid-Build (DBB) projects for repair and new construction. This MATOC will provide full-service design, repair, and construction of real property facilities and/or their systems and components for known and unanticipated DHS requirements.

The prospective procurement will involve awarding a \$49,000,000 pool of Indefinite Delivery Indefinite Quantity (IDIQ) Small Business (SB) Multiple Award Task Order Contracts (MATOC) using two-phase construction requirements using selection procedures in FAR Part 36 for projects within the range of \$1-15 million.

NOTE: The above general outline of features of the work does not in any way limit the responsibility of the Contractor to perform all work and furnish all plant, labor, equipment and materials required by the specifications and the drawings referred to therein.

End of Paragraph

9. MANUALS AND PUBLICATIONS

Engineering manuals and Concrete Research Division Publications may be obtained from the addresses given below.
Engineering Manuals:

U. S. Army, Corps of Engineers
Publications Depot
2803-52nd Avenue
Hyattsville, MD 20781-1102

Concrete Research Division Publications:
U.S. Army Engineer Waterways Experiment Station
ATTN: Publications Distribution Unit
P.O. Box 631
Vicksburg, MS 39180

End of Paragraph

10. BULLETIN BOARD

Immediately upon beginning of work under this contract, the Contractor shall provide at the job site a weatherproof glass-covered bulletin board for displaying the fair employment poster, wage rates, and safety bulletins and posters. Emergency telephone numbers and reporting instructions for ambulance, physician, hospital, fire and police shall be posted. The bulletin board shall be located in a conspicuous place easily accessible to all and legible copies of the aforementioned data shall be displayed until work under the contract is completed. No direct payment will be made for the bulletin board.

End of Paragraph

11. PRESERVATION OF HISTORICAL, ARCHEOLOGICAL AND CULTURAL RESOURCES

(a) If known historical, archeological and cultural resources exist within the Contractor's work area, they have been designated on the contract drawings. The Contractor shall install protection for these resources as shown on the drawings and shall be responsible for their preservation during the contract.

(b) If, during construction activities, the Contractor observes items that might have historical or archeological value, such observations shall be reported immediately to the Contracting Officer so that the appropriate authorities may be notified and a determination can be made as to their significance and what, if any, special disposition of the finds should be made. The Contractor shall cease all activities that may result in the destruction of these resources and shall prevent his employees from trespassing on, removing, or otherwise damaging such resources.

End of Paragraph

12. REQUIRED INSURANCE

The Contractor shall procure and maintain during the entire period of his performance under this contract, the following minimum insurance in accordance with the Contract Clause entitled "Insurance-Work on a Government Installation." Workmen's Compensation and Employers' liability Insurance:

Workmen's Compensation and Occupational Disease Coverage in accordance with statutory limits. Employers' Liability Coverage with a minimum limit of \$100,000.

Comprehensive Automobile Liability Insurance:

Bodily injury coverage with minimum limits of \$200,000 per person and \$500,000 per occurrence. Property Damage Coverage with a minimum limit of \$20,000 per occurrence.

Comprehensive General Liability Insurance:

Bodily injury coverage with minimum limits of \$500,000 per occurrence.

End of Paragraph

13. WORK IN QUARANTINED AREA

The work called for by this contract involves activities in counties quarantined by the Department of Agriculture to prevent the spread of certain plant pests which may be present in the soil. The Contractor agrees that all construction equipment and tools to be moved from such counties shall be thoroughly cleaned of all soil residues at the construction site with water under pressure and that hand tools shall be thoroughly cleaned by brushing or other means to remove all soil. In addition, if this contract involves the identification, shipping, storage, testing, or disposal of soils from such a quarantined area, the Contractor agrees to comply with the provisions of ER 1110-1-5 and attachments, a copy of which will be made available by the Contracting Officer upon request. The Contractor agrees to assure compliance with this obligation by all subcontractors.

End of Paragraph

14. PROHIBITION AGAINST CONTRACTING WITH INDIVIDUALS OR ENTITIES DESIGNATED AS SIGNIFICANT NARCOTICS TRAFFICKERS

Pursuant to Executive Order 12978 entitled "Blocking Assets and Prohibiting Transactions with Significant Narcotic Traffickers" dated October 21, 1995, the offeror certifies that it has not and will not be involved in business transactions with individuals or business entities designated as significant narcotics traffickers under this Executive Order. For a current listing of specially designated nationals and blocked persons, contact the Office of Foreign Assets Control, Department of the Treasury, Washington, DC 22201; telephone 202/622-2420.

End of Paragraph

15. CONTRACTOR PAYMENT REQUEST

A copy of CESAM Form 1151 entitled Prompt Payment Certification and Supporting Data for Contractor Progress Payment Invoice is included hereinafter, with instructions, following the Wage Rates. This form will be used in conjunction with the contract clause entitled PAYMENTS UNDER FIXED-PRICE CONSTRUCTION CONTRACTS. The contracting Officer will provide copies of the form to the Contractor upon request. The Contractor shall complete the form, sign the certification and submit it with each progress payment invoice.

End of Paragraph

16. KEY PERSONNEL, SUBCONTRACTORS AND OUTSIDE ASSOCIATES OR CONSULTANTS

Any key in-house personnel, subcontractors and outside associates or consultants required by the Contractor in connection with the services covered by the contract will be limited to individuals or firms that were specifically identified and agreed to during negotiations. The Contractor shall obtain the Contracting Officer's written consent before making any substitution for these designated key personnel, subcontractors, associates, or consultants.

End of Paragraph

17. U.S. ARMY CORPS OF ENGINEERS, PARTNERING WITH US

<https://www.usace.army.mil/Business-With-Us/Partnering/>

End of Paragraph

PROMPT PAYMENT CERTIFICATION AND SUPPORTING DATA FOR CONTRACTOR PROGRESS PAYMENT INVOICE

Contractor Name and Address	Contract No.	Est. No.	Date	Discount Terms
Description and Location of Work	Designated Contractor Official and Address for Payment		Defective Invoice Notification (Name, Title, Telephone)	
Subcontractor Name	Total Amount Subcontracted	Subcontractor Amount Included This Payment Est	Previous Subcontractor Payments	Subcontractor Earnings Deducted by Contractor (Total to Date)
\$ _____				

I hereby certify, to the best of my knowledge and belief, that:

- (1) The amounts requested are only for performance in accordance with the specifications, terms and conditions of the contract;
- (2) Payments to subcontractors and suppliers have been made from previous payments received under the contract, and timely payments will be made from the proceeds of the payment covered by this certification, in accordance with subcontract agreements and the requirements of Chapter 39 of Title 31, United States Code; and
- (3) This request for progress payments does not include any amounts which the prime contractor intends to withhold or retain from a subcontractor or supplier in accordance with the terms and conditions of the subcontract.

(NAME)
(TITLE)

(DATE)

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SECTION 01 00 00

ADDITIONAL SPECIAL CONTRACT REQUIREMENTS
Department of Homeland Security, Center for Domestic Preparedness
Anniston, AL

PART 1 GENERAL

1.1 COMMENCEMENT, PROSECUTION, AND COMPLETION OF WORK

a. The Contractor shall be required to (1) commence work under this contract(s) within 8 calendar days after the date the Contractor receives the notice to proceed, (2) prosecute the work diligently, and (3) construct the entire project, ready for use, not later than 450 calendar days after receipt of notice to proceed. This time stated for completion shall include final cleanup of the premises.

b. All work required for completion of this task order shall be performed in accordance within the requirements of the originally awarded (MATOC) contract. Any conflicts between the requirements of this SOW and the original contract shall be brought to immediate attention of the Administrative Contracting Officer (ACO) for resolution.

1.2 LIQUIDATED DAMAGES--CONSTRUCTION

(a) If the Contractor fails to complete the work within the time specified in the contract, the Contractor shall pay liquidated damages to the Government in the amount of **\$1,344.00** for each calendar day of delay until the work is completed or accepted.

(b) If the Government terminates the Contractor's right to proceed, liquidated damages will continue to accrue until the work is completed. These liquidated damages are in addition to excess costs of repurchase under the Termination clause.

1.3 Center for Domestic Preparedness (CDP) Security Requirements

1.3.1 General CDP Security

The Contractor is responsible for the physical security for all materials, supplies and equipment of every description, including property that may be government owned when located in the Contractor's work or storage areas, and also areas occupied jointly by the Contractor and the government. The Contractor shall comply with all CDP security requirements.

Contractor employees and employees of lower-tier subcontractors whose conduct is determined to be prejudicial to the interest of the Government shall be immediately removed from the work upon notification by the CO.

Compliance with the foregoing provisions of this paragraph by lower-tier subcontractors shall be the responsibility of the Contractor at no additional costs to the government for such action.

The government reserves the right at all times to issue instructions pertaining to the Contractor's jurisdiction and general conduct of its security program and shall have the right to examine procedures, methods, records, and facilities used by the Contractor in complying with the

requirements of the government.

The Contractor shall be responsible to adhere to any and all security regulations imposed by the government.

The CDP is designated as a workplace free of Alcohol and Substance Abuse problems associated with drugs and other chemical substances. The government may conduct periodic and unannounced inspections of the Contractor's work areas within government property (CDP) boundaries. Tobacco use is permitted in designated areas.

1.3.2 Background Investigations

A national background security check form shall be completed by each Contractor employee and routed through the CDP security office for processing. The security forms will be provided by the CO/COR as soon as the contract is awarded. Allow 14 workdays to process the local security check; therefore, it is advisable to submit the above referenced security form as soon as personnel who will be working on site are identified. The form must be properly completed in order to preclude delays in processing the request. This form authorizes a national background check by each individual. A successful background check is required prior to granting access to CDP property and is required every six months thereafter. In the event personnel executing this contract require continuous daily access exceeding 120 days section 1.5.6.2 shall apply.

All contractor personnel who require access to DHS or FEMA information systems, routine, access to sensitive information, including but not limited to Personally Identifiable Information (PII), or routine or continuous access exceeding 120 days to DHS or FEMA facilities shall be subject to a full background investigation commensurate with the level of the risk associated with the job function or work being performed. Construction contractor personnel exceeding the continuous access 120 day threshold under this contract have been determined to be "Low Risk without Information System Access" as defined below.

- a. Low Risk without Information System Access
Contractor personnel occupying positions or performing functions with a Low Risk designation and who do not require access to DHS or FEMA information systems shall undergo a Tier 1 (T1) background investigation which is equivalent to the previously identified National Agency Check with Inquiries (NACI) and must receive a favorable adjudication thereof from FEMA PSD prior to performing work under this contract.
- b. Low Risk with Information System Access
Contractor personnel occupying positions or performing functions with a Low Risk designation and who require access to DHS or FEMA information systems shall undergo a Tier 2 (T2) background investigation which is equivalent to the previously identified Moderate Risk Background Investigation (MBI) and must receive a favorable adjudication thereof from FEMA PSD prior to performing work under this contract.
- c. Moderate Risk
Contractor personnel occupying positions or performing functions with a Moderate Risk designation shall undergo a Tier 2 (T2) background investigation which is equivalent to the previously identified Moderate Risk Background Investigation (MBI) and must receive a

favorable adjudication thereof from FEMA PSD prior to performing work under this contract.

d. High Risk

Contractor personnel occupying positions or performing functions with a High-Risk designation shall undergo a Tier 4 (T4) background investigation which is equivalent to the previously identified Background Investigation (BI) and must receive a favorable adjudication thereof from FEMA PSD prior to performing work under this contract.

1.3.3 Background Investigation Process

1. To initiate the request to process contractor personnel, the Contractor shall provide the USACE Contracting Officer's Representative (COR) with all required information and comply with all necessary instructions to complete Section II of the FEMA Form 11000-25, "Contract Fitness/Security Screening Request." The USACE COR shall ensure that all other applicable sections of the FEMA Form 11000-25 are complete prior to submitting the form to FEMA PSD for processing. The Contractor shall also provide the USACE COR with completed OF 306, "Declaration for Federal Employment," forms for all contractor personnel.

2. Contractor personnel who already have a favorably adjudicated background investigation, may be eligible to perform work under this contract without further processing by FEMA PSD if:

- a. the investigation was completed within the last five years,
- b. it meets or exceeds the minimum requirement for the position they will occupy or functions they will perform on this contract,
- c. the contractor personnel have not had a break in federal or federal contract employment since the prior favorable adjudication, and
- d. FEMA PSD has verified the investigation and confirmed that no new derogatory information has been disclosed which may require a reinvestigation.

3. FEMA PSD EOD notifications to the COR of the contractor personnel eligible to work based on prior, favorable adjudication. The COR will, in turn, notify the Contractor of the names of the favorably adjudicated contractor personnel, at which time the favorably adjudicated contractor personnel will be eligible to begin work under this contract. For those contractor personnel who do not have an acceptable, prior, favorable adjudication or who otherwise require reinvestigation, FEMA PSD will issue an electronic notification via email to the contractor personnel that contains the following documents, which are incorporated into this contract by reference, along with a link to the Office of Personnel Management's Electronic Questionnaires for Investigation Processing (e-QIP) system and instructions for submitting the necessary information:

- a. Standard Form 85 of 85P, "Questionnaire for Public Trust Positions"
- b. Optional Form 306, "Declaration for Federal Employment"
- c. Instruction will be sent for completing the SF 87, "Fingerprint Card" (2 copies)
- d. DHS Form 11000-6, "Non-Disclosure Agreement"
- e. DHS Form 11000-9, "Disclosure and Authorization Pertaining to Consumer Reports Pursuant to the Fair Credit Reporting Act"

4. FEMA PSD will only accept complete packages consisting of all of the above documents and Standard Form 85P, which must be completed electronically through the Office of Personnel Management's e-QIP system. The Contractor is responsible for ensuring that all contractor personnel timely and properly submit all required background information.

5. Residency requirements apply to the background investigation process. Persons subject to investigation and final adjudication for fitness or suitability must have lived within the United States for no less than 3 of the last 5 years as defined in the DHS Instruction 121-01-007-01, The Department of Homeland Security, Personnel Security, Suitability and Fitness Program (June 14, 2016). DHS has determined this to be the amount of time required to be the sufficient minimum investigative period for the purpose of performing a suitability or fitness adjudication. Both, OPM and OMB require a final adjudicative decision to support the issuance of the HSPD-12 compliant PIV Card that contractors are issued by FEMA Physical Security.

6. Once contractor personnel have properly submitted the complete package of all required background information, FEMA's Personnel Security Division, at its sole discretion, may grant contractor personnel temporary eligibility to perform work under this contract prior to completion of the full background investigation if the Personnel Security Division's initial review of the contractor personnel's background information reveals no issues of concern. In such cases, FEMA's Personnel Security Division will provide notice of such temporary eligibility to the COR who will then notify the Prime Contractor, at which time the identified contractor personnel will be temporarily eligible to begin work under this contract. Neither the Prime Contractor nor the contractor personnel has any right to such a grant of temporary eligibility. The grant of such temporary eligibility shall not be considered as assurance that the contractor personnel will remain eligible to perform work under this contract upon completion of and final adjudication of the full background investigation.

7. Upon favorable adjudication of the full background investigation, FEMA's Personnel Security Division will update the contractor personnel's security file and take no further action. In any instance where the final adjudication results in an unfavorable determination FEMA's Personnel Security Division will notify the contractor personnel directly, in writing, of the decision and will provide the COR with the name(s) of the contractor personnel whose adjudication was unfavorable. The COR will then forward that information to the Contractor. Contractor personnel who receive an unfavorable adjudication shall be ineligible to perform work under this contract. Unfavorable adjudications are final and not subject to review or appeal.

8. Eligibility determinations based on a NACI=T1, MBI=T2 and BI=T4 are valid for five years from the date that the investigation was completed and closed. Contractor personnel required to undergo a background investigation to perform work under this contract shall be ineligible to perform work under this contract upon the expiration the background investigation unless and until the contractor personnel have undergone a reinvestigation and FEMA's Personnel Security Division has renewed their eligibility to perform work under this contract.

9. When possible, the Contractor shall provide at least two days notification to the COR prior to removing an employee from the project. Any additional personnel added to the established project work force shall be in accordance with this paragraph.

10. All workers/ visitors shall report to the Building 61 Front Guard House for badging before proceeding to the job site. Visitors must have picture identification for verification purposes. The COR will arrange for the necessary badging of Contractor personnel, as appropriate. All job site security and/or law enforcement related matters shall be processed through the COR and CDP Security Specialist. The contractor shall work with the COR and CDP security to maintain an up to date employee workbook (excel spreadsheet) to track employee badging needs.

11. The Contractor shall ensure employees requiring on-site access display such Identification Badging as may be approved and directed by the CO. All prescribed Identification Badges shall immediately be returned to the government for cancellation upon release of any employee. The contractor shall be liable for the replacement costs of any non-returned PIV Badges at \$113.00 per badge. Lost/stolen PIV badge notifications to security shall be made without delay. Contractor and COR shall be required to submit a Lost/Stolen Badge Report through the CDP Security Office.

12. The entire CDP security requirement section (1.6.) shall be included by the Contractor in all subcontracts and purchase orders and further requires lower-tier Contractors and vendors to include these same requirements in their subcontracts and purchase orders.

1.3.4 ADDITIONAL SECURITY REQUIREMENTS

Refer to the attachment at the end of this section for additional security requirements.

1.4 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. The Contractor shall provide all required submittals to support the work under this task order. Submittals will be forwarded to the Government using ENG Form 4025. The Contractor is fully responsible for the completeness of details in the submittals necessary to support the Work. The contractor shall anticipate a turnaround of 16 calendar days for all submittals. Provide electronic copies of all specifications, material data (cut sheets), operations and maintenance documentation, warranty documents and all other submittals in PDF format. All electronic files associated with this project shall be submitted on a labeled CD. The Contractor shall provide 5 hard copies and 2 electronic copies of all project submittals. The following shall be submitted in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

Project Schedule; G,CD.

Site, Safety and Health Plan; G,CD.

Contractor Quality Control Plan; G,CD.

Submittal Register; G,CD.

SD-02 Shop Drawings

Shop Drawings; G,CD.

As-Built Drawings; G,CD.

SD-03 Product Data

Equipment Data; G,CD.

Material Cut Sheets; G,CD.

SD-07 Certificates

Testing Reports; G,CD.

Interruption of utility services request; G,CD

Certificates of Compliance; G,CD.

SD-10 Operation and Maintenance Manuals

Operation and Maintenance Manuals; G,CD.

SD-11 Closeout Submittals

Training Plan; G,CD.

Final Report; G,CD.

1.4.1 Project Schedule

The referenced building and spaces will continue to be occupied during this renovation process and operational changes to the building occupancy will be modified based on the proposed construction schedule. It is the intent for the USACE, CDP, and contractor together to identify an optimum construction schedule.

Contractor must provide a construction schedule that will outline the period of performance required to complete this task for completion. The work described in this statement of work requires buildings and facilities to be worked in for a period of time and the government reserves the right to approve the work schedule for planning purposes in developing alternative solutions for building occupants, if needed.

1.4.2 Site, Safety and Health Plan

The Contractor shall prepare and submit for Government review and approval, a draft and final Site, Safety and Health Plan (SSHP). The purpose of the SSHP is to outline health and safety procedures and protocols to be followed by Contractor/sub-contractor personnel during field activities, specifically addressing each task and phase of work. The plan shall address the steps taken to locate and avoid the utilities on the sites. The SSHP must be administered by a qualified safety and health professional and shall comply with all applicable Federal, State, and local health and safety requirements, including the Occupational Safety and Health Administration's (OSHA) requirements (29 CFR 1910 and

1926), specifically 29 CFR 1910.120, Hazardous Waste Operations and Response; EPA's Hazardous Waste Requirements (40 CFR 260-270); the latest edition of USACE Safety and Health Requirements Manual (EM 385-1-1). All work shall be performed in accordance with the accepted plan. The SSHP shall be prepared in accordance with Section 28 and Appendix A of EM 385-1-1 dated 15 Sept 2008.

1.4.3 ADDITIONAL CDP SAFETY REQUIREMENTS, TRAINING, SOIL TESTING REQUIREMENTS, AND ASBESTOS CONTAINING MATERIAL AND LEAD BASED PAINT

In order to provide safety controls for protection of the life and health of employees and other persons; for prevention of damage to property, materials, supplies, and equipment; and for avoidance of work interruptions in the performance of this contract, the Contractor shall comply with all applicable Federal laws and regulations with such additional measures as the government may deem necessary. Applicable provisions of Occupational Safety and Health Administration (OSHA) 29 CFR, Environmental Protection Agency (EPA), and the Alabama Department of Environmental Management (ADEM) regulations shall be applied to all work under this contract.

The Contractor(s) performing work at the CDP are required to show proof in the form of written documentation on required training specific to the work they may be required to perform on the project.

The Contractor shall ensure all tools, equipment, and machinery are in good working order. These items may be inspected by the COR or CDP Safety Officer when the Contractor reports to the job site and at any subsequent time deemed appropriate by the COR. Safety Data Sheets (SDS) for products containing hazardous chemicals will be reviewed by the government before they are used on the project. Contractors shall provide this information during the pre-construction meeting.

All Contractors and subcontractors performing work at the COBRATF will be required to attend site specific safety awareness training. This training will be provided at no cost and will take approximately one hour to complete.

Contractors shall provide their personnel with the Personal Protective Equipment (PPE) necessary to complete the project. Sturdy, over-the-ankle boots, hard hats, safety vests, and safety glasses with solid side shields must be worn in all construction areas.

Landfills may require disposal of soils from Fort McClellan to be tested for contamination prior to disposal. Toxicity Characteristic Leaching Procedure (TCLP) metals or other testing may be required. The contractor shall verify the current testing requirements for the chosen disposal facility and provide the required testing as part of this contract. Designer should note in plans.

Some buildings at the CDP have been tested for asbestos and some buildings at the CDP do contain asbestos. If asbestos is known or may possibly be in the direct working environment, additional documentation will be provided. If the Contractor in the course of their work encounters suspected asbestos containing material that has not been addressed by the CDP, the

COR shall be immediately notified.

Some buildings at the CDP have been tested for lead-based paint and some buildings at the CDP do contain lead-based paint. If lead-based paint is

known or may possibly be in the direct working environment, additional documentation will be provided. If the Contractor in the course of their work encounters suspected lead-based paint that has not been addressed by the CDP, the COR shall be immediately notified.

1.4.4 Contractor Quality Control Plan

The Contractor shall submit a Contractor Quality Control (CQC) Plan. Items within the plan shall incorporate the requirements of the project specifications. The plan shall identify personnel, procedures, control, instructions, tests, records, and forms to be used. Work will be permitted to begin only after acceptance of the CQC Plan. The CQC Plan shall include the following to cover all construction operations, both onsite and offsite:

- a. A description of the quality control organization, including a chart showing lines of authority, and acknowledgment that the CQC staff shall implement the three- phase control system for all aspects of the work specified. The name, qualifications, duties, responsibilities, and authorities of each person assigned a CQC function.
- b. A copy of the letter to the CQC System Manager signed by an authorized official of the firm which describes the responsibilities and delegates sufficient authorities to adequately perform the functions of the CQC System Manager, including authority to stop work which is not in compliance with the contract.
- c. Procedures to provide for scheduling, reviewing, certifying, and managing submittals.
- d. Control, verification, and acceptance testing procedures for each specific test to include the test name, specification paragraph requiring test, feature of work to be tested, test frequency, and person responsible for each test. Reporting procedures, including proposed reporting formats.
- e. Measurements taken to ensure that only trained and qualified personnel will be performing the tasks associated with this SOW.
- f. Listing of definable features of work in which the three-phase control system will be implemented upon.
- g. The contractor shall provide photographic documentation throughout the course of the project. Photographic documentation shall include capturing all aspects of the project to include milestones and deficiencies from start to completion. These photos shall be provided, in electronic format, weekly (or as required by the COR) along with the progress reports. Photography of CDP security measures such as monitoring systems is prohibited. The contractor shall coordinate with the COR prior to taking such photos. All photos shall be as part of the daily report in RMS.

1.4.5 Submittal Register

Contractor shall submit their Submittal Register for approval after the design is completed and approved if the project is of the design build type. The submittal register should directly reflect the requirements of the specifications.

1.4.6 Shop Drawings

The Government will review and approve as indicated all shop drawings submitted by suppliers and vendors. At the same time the shop drawings are submitted to the Contractor, three (3) copies of the shop drawings shall be submitted to the Contracting Officer's Representative for information only or for approval as indicated in the technical specifications. If in reviewing the shop drawing for information, the Government discovers a discrepancy or problem, comments will be sent to the Contractor. The Contractor shall send the Government his comments/response to the shop drawing.

1.4.7 Contractor Prepared As-Builts Drawings

a. General: The as-built drawings shall be a record of the construction as installed and completed by the Contractor. They shall include all the information shown on the design complete stage set of drawings and a record of all deviations, modifications, or changes from those drawings, however minor, which were incorporated in the work, all additional work not appearing on the contract drawings, and all changes which are made after final inspection of the contract work. In the event the Contractor accomplishes additional work which changes the as-built conditions of the facility after submission of the as-built drawings, the Contractor shall furnish revised and/or additional drawings as required to depict as-built conditions. The requirements for these additional drawings will be the same as for the as-built drawings included in the original submittal.

b. As-built drawings: The Contractor shall mark up the set of paper copy construction drawings to show the as-built conditions. These as-built marked reproducibles shall be kept current and available on the jobsite at all times. All changes from the contract plans which are made in the work or additional information which might be uncovered in the course of construction shall be accurately and neatly recorded, as the events occur, by means of details and notes. The Contractor shall call attention to entries by drawing a "cloud" around the area or areas affected. The as-built reproducibles will be jointly inspected for accuracy and completeness by the Contracting Officer's Representative and a responsible representative of the Contractor prior to submittal of each request for payment. The Contracting Officer's Representative approval of the current status of the as-built drawings shall be a prerequisite to the Contracting Officer's Representative approval of request for progress payment and request for final payment under the contract. The drawings shall show the following information, but not be limited thereto:

- i. The location and description of any utility lines or other installations of any kind or description known to exist within the construction area. The location includes dimensions to permanent features.
- ii. The location and dimensions of any changes within a building or structure.
- iii. Correct grade or alignment of roads, structures or utilities if any changes were made from contract plans.
- iv. Correct elevations if changes were made in site grading.
- v. Changes in details of design or additional information obtained from

working drawings specified to be prepared and/or furnished by the Contractor including but not limited to fabrication, erection, installation plans and placing details, pipe sizes, insulation material, dimensions of equipment foundations, etc.

vi. The topography and grades of all drainage installed or affected as a part of the project construction.

vii. All changes or modifications which result from the final inspection.

viii. Options: Where contract drawings or specifications allow options, only the option selected for construction shall be shown on the as-built drawings.

c. Submittal of as-built drawings for review and approval: At the time of final inspection, the Contractor shall submit one copy of the as-built drawings to the Contracting Officer's Representative for his review and approval. The Contractor shall participate in a review meeting or meetings as required by the Contracting Officer's Representative, make all required changes and promptly deliver the final as-built drawings and electronic files to the Contracting Officer's Representative.

Following completion of construction and prior to acceptance, the Contractor shall provide the Contracting Officer's Representative with (5) complete as-built ½ size sets of construction drawings. Drawing files shall be furnished in Auto Cad and pdf format on a CD-ROM. Provide three (3) copies of the CD-ROM. All elements shall be incorporated into the design file with no reference files. The title block, drawing numbers and file names shall be in a format specified by the Government.

d. As-Built drawings are not required for items not listed in Section: DESIGN AFTER AWARD. However, the contractor shall mark up existing as-built drawings and provide them in PDF format indicating work completed.

1.4.8 Product Data

Contractor shall submit Manufacturers information to include EQUIPMENT DATA and MATERIAL CUT SHEETS for all materials, individual devices, and equipment to be incorporated into the construction.

1.4.9 Certificates

Contractor shall submit any required certifications.

Any certificates required for demonstrating proof of compliance of materials with specification requirements and any other certificates shall be submitted as required. Each certificate shall be signed by an official authorized to certify on behalf of the manufacturing company and shall contain the name and address of the Contractor, the project name and location, and the quantity and date or dates of shipment or delivery to which the certificates apply. Copies of laboratory test reports submitted with certificates shall contain the address of the testing laboratory and the date or dates of the tests to which the report applies. Certification shall not be construed as relieving the Contractor from furnishing satisfactory material, if, after tests are performed on selected samples, the material is found not to meet the specific requirements.

1.4.10 Testing Reports

Contractor shall submit any required testing reports.

1.4.11 Operation and Maintenance Manuals

Contractor shall submit Manufacturers Operation and Maintenance info for all individual devices and equipment.

1.4.12 Training Plan

Contractor shall submit a plan for training of maintenance personnel on the operation and maintenance of the installed systems and equipment. Submittal shall include the training literature that will be used for instruction during training.

1.4.13 Final Report/Closeout Document

The Contractor will prepare a Final Report/Closeout Document. The report shall include: circuit drawings; wiring and control diagrams with data to explain detailed operation and control of each item of the equipment; a control sequence describing start-up, operation and shutdown instructions; installation instructions; maintenance instructions; safety precautions, diagrams, and illustrations; all test procedures and test results; performance data; spare parts list and Manufacturers Operation and Maintenance info for all individual devices and equipment. The report shall be submitted to the USACE for approval.

1.5 SUBMITTAL REVIEWS

The Contractor shall allow fourteen (14) days for the Government review period of all submittals. Returned incomplete submittals will not be the basis of a claim by the Contractor for additional time or money. The last two weeks of the calendar year and fiscal year shall not be considered when scheduling review times or meeting times.

If the Contractor disagrees technically with any comment or comments and does not intend to comply with the comment, he shall clearly outline, with ample justification, the reasons for noncompliance within five (5) days after receipt of these comments in order that the comment can be resolved. The Contractor is cautioned in that if he believes the action required by any comment exceeds the requirements of this contract, then he should take no action and notify the Contracting Officer's Representative (COR) in writing immediately.

1.6 CONTRACT DRAWINGS, MAPS AND SPECIFICATIONS

a) The Contractor will be furnished one CD-ROM containing a reproducible copy of the advertised solicitation, including contract clauses, plans and specifications. The work shall conform to the specifications and the contract drawings listed in the technical provisions.

b) Omissions from the drawings or specifications, the mis-description of details of work which are manifestly necessary to carry out the intent of the drawings and specifications which are customarily performed shall not relieve the Contractor from performing such omitted or mis-described details of the work but they shall be

performed as if fully and correctly set forth and described in the drawings and specifications.

c) The Contractor shall check all drawings furnished him immediately upon their receipt and shall promptly notify the Contracting Officer's Representative 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.

d) The list of drawings and maps provided in the Index Sheet of the Plans for this solicitation are hereby incorporated by reference into these specifications. Any schedules included in the drawings are for the purpose of defining requirements other than quantities.

NOTE: Refer to the folio of drawings for the index of drawings in this solicitation.

1.7 SITE INFORMATION AND PHYSICAL DATA

Data and information furnished or referred to below is for the Contractor's information. The Government shall not be responsible for any interpretation of or conclusion drawn from the data or information by the Contractor.

a. Background Information The Center for Domestic Preparedness (CDP) is federal entity (Department of Homeland Security, Federal Emergency Management Agency), and is the designated federal training center engaged in preparing emergency first responders, emergency management officials, state and local community leaders and managers to combat terrorism including response to weapons of mass destruction and hazardous materials incidents. Training courses provided by the CDP provide specific knowledge and expertise for deterrence, prevention and response to Weapons of Mass Destruction (WMD) and hazardous materials incidents.

The CDP occupies six major areas of the former Fort McClellan, Alabama. They are:

- (1) CDP Main Complex (Building 61).
- (2) Advanced Responder Training Complex (ARTC, 500 Area).
- (3) CDP Responder Lodging Complex (900 Area).
- (4) The Chemical, Ordnance, Biological and Radiological Training Facility (COBRATF).
- (5) The Noble Training Facility (NTF).
- (6) The Warehouse/Maintenance Complex (Building 40).

b. Weather Conditions. The location is subject to atmospheric temperature ranging from minus 10 degrees to plus 105 degrees Fahrenheit as determined from the U.S. Weather Bureau station at Anniston, Alabama. The mean annual precipitation at Anniston is 52.44 inches and the mean monthly precipitation varies from a low of 2.62 inches in October to a high of 5.64 inches in March.

c. Transportation facilities. The work area is serviced by U.S. Highway No. 21. The Contractor shall make his own investigation of available roads for transportation, load limits for bridges and roads, and other road conditions affecting the transportation of materials and equipment to the

sites of the work.

1.8 TIME EXTENSIONS FOR UNUSUALLY SEVERE WEATHER

a. This provision specifies the procedure for determination of time extensions for unusually severe weather in accordance with the contract clause entitled "Default: (Fixed Price Construction)". In order for the Contracting Officer to award a time extension under this clause, the following conditions must be satisfied:

1. The weather experienced at the project site during the contract period must be found to be unusually severe, that is, more severe than the adverse weather anticipated for the project location during any given month.

2. The unusually severe weather must actually cause a delay to the completion of the project. The delay must be beyond the control and without the fault or negligence of the Contractor.

b. The following schedule of monthly anticipated adverse weather delays is based on National Oceanic and Atmospheric Administration (NOAA) or similar data for the project location and will constitute the base line for monthly weather time evaluations. The Contractor's progress schedule must reflect these anticipated adverse weather delays in all weather dependent activities.

MONTHLY ANTICIPATED ADVERSE WEATHER DELAY
WORK DAYS BASED ON (5) DAY WORK WEEK

<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>
5	5	5	4	5	5	5	4	4	4	5	5

c. Upon acknowledgment of the Notice to Proceed (NTP) and continuing throughout the contract, the Contractor will record on the daily CQC report, the occurrence of adverse weather and resultant impact to normally schedule work. Actual adverse weather delay days must prevent work on critical activities for 50 percent or more of the Contractor's scheduled work day.

d. The number of actual adverse weather delay days shall include days impacted by actual adverse weather (even if adverse weather occurred in previous month), be calculated chronologically from the first to the last day of each month, and be recorded as full days. If the number of actual adverse weather delay days exceeds the number of days anticipated in paragraph 2, above, the Contracting Officer will convert any qualifying delays to calendar days, giving full consideration for equivalent fair weather work days, and issue a modification in accordance with the Contract Clause entitled "Default (Fixed Price Construction)".

1.9 PERSONNEL

1.9.1 Contractor

Contractor shall be a licensed General Contractor (GC) in the state of Alabama. The Contractor must have a minimum of five (5) years of significant supplier and installer experience in commercial applications.

1.9.2 Contract Manager

The Contractor shall provide a qualified contract manager and/or superintendent who will be responsible for the performance of the work. The name of this person and an alternate(s) who shall act for the Contractor when the manager is absent shall be designated in writing to the Contracting Officer along with their qualifications. The CO/COR will review the qualifications and determine if the appointee is acceptable. This contract manager and/or superintendent will also be responsible for conducting weekly meetings with COE and CDP officials to update all work and discuss any discrepancies encountered. The Prime contractor must have the superintendent or alternate approved by the CO/COR onsite at anytime work is being performed by the prime or a subcontractor.

1.9.3 Quality Control Manager

The contractor shall provide a quality control manager who shall not have any other duties. QC shall have an Engineering degree with a minimum of 5 years related construction QC experience or 15 years related construction QC experience. The contractor will be required to use QCS to perform contract management functions. See Section 01 45 00.00 10 for further requirements.

1.9.4 Safety Representative

The Contractor shall designate a qualified employee as a project Safety Representative. Qualified personnel trained in safety issues are defined as experienced employees, specifically designated on Contractor employee or payroll records as a Safety Representative or similar title, and possessing special qualifications and training in OSHA regulations. The qualifications of the designated safety representative will be reviewed by the CO/COR for approval prior to designation.

1.9.5 Project Management

The U.S. Army Corps of Engineers (USACE) will assign an Administrative Contracting Officer (ACO) to serve as a point of contact (POC). Contract deviations, changes, inadequacies of any kind, or any questions related to this SOW shall be immediately brought to the attention of the USACE ACO for resolution. A POC will be designated to coordinate and interface with the Contractor while at the CDP. This POC will be a representative of the USACE, Mobile District, Construction Division, and will serve as the primary POC during the construction process. The Contractor shall name and assign a responsible individual as PM. The PM shall be supported by a technical staff qualified to complete work as described in this SOW. The Contractor, including all subcontractors, shall accept written review comments and directives, only from the Contracting Officer (CO) or his designated Administrative Contracting Officer (ACO).

1.10 SAFETY REQUIREMENTS

In order to provide safety controls for protection of the life and health of employees and other persons; for prevention of damage to property, materials, supplies, and equipment; and for avoidance of work interruptions in the performance of this contract, the Contractor shall comply with all applicable Federal laws and regulations with such additional measures as the government may deem necessary. All work should be performed in accordance with the latest edition of the U.S. Army Corps of Engineers Safety Manual EM 385-1-1, Applicable provisions of

Occupational Safety and Health Administration (OSHA) 29 CFR, Environmental Protection Agency (EPA), and the State of Alabama regulations will be applied to all work under this contract.

1.10.1 Training

The contractors performing work at the CDP are required to show proof in the form of written documentation on required training specific to the work they may be required to perform on the project.

1.10.2 MSDS Sheets

Material Safety Data Sheets for products containing hazardous chemicals will be reviewed by the government before they are used on the project. MSDS sheets shall be kept with or in the line of sight of all products that may be deemed as hazardous.

All contractors and subcontractors performing work at the COBRATF will be required to attend site specific safety awareness training. This training will be provided at no cost and will take approximately 1 hour to complete.

Contractors are required to provide their personnel with the Personal Protective Equipment (PPE) necessary to complete the project.

If at any time during the life of the Contract the government determines that continued unsafe work practices occur, the Administrative Contracting Officer may direct the Contractor to revise and/or supplement the present organization structure with additional qualified personnel trained in safety issues at no additional cost to the government or time extensions to the Contract.

Fire Prevention and Protection. A written hot work permit shall be obtained daily from the installation for use of any heat producing devices such as blowtorches, portable furnaces, tar kettles, or gas and electric welding and cutting equipment. The Contractor shall be liable for any fire loss to Government property attributable to negligence on the part of the Contractor, including failure to comply with fire prevention measures prescribed by the terms of this contract.

The Administrative Contracting Officer will notify the Contractor of any non-compliance with the foregoing requirements. The Contractor shall, after being notified, immediately take corrective action. If the Contractor fails, or refuses, to comply promptly, the Contracting Officer may stop all or part of the work until satisfactory corrective action has been taken. No part of the time lost due to any such Stop Work Orders shall be legal grounds for an extension of time or for additional cost or damages incurred by the Contractor.

The Contractor shall include the provisions of this section (1.8 SAFETY REQUIREMENTS) in all subcontracts and purchase orders. However, such requirement in the Contractor's lower-tier subcontracts or purchase orders shall not relieve the Contractor of its obligation to assure compliance with the requirements of this clause for all aspects of the work whether performed by the Contractor or its lower-tier subcontractors.

1.11 ASBESTOS MATERIAL AND LEAD BASED PAINT

Some buildings at the CDP have been tested for Asbestos and some buildings at the CDP do contain asbestos. If asbestos is known or may possibly be in

the direct working environment additional documentation will be provided.

Some buildings at the CDP have been tested for Lead Based Paint and some buildings at the CDP do contain Lead Based Paint. If Lead Based Paint is known or may possibly be in the direct working environment additional documentation will be provided.

If the Contractor in the course of his work encounters suspected asbestos containing material that has not been addressed by the CDP, the COR and CDP Safety Officer must be notified immediately.

1.12 HOURS OF OPERATION

The contractor normally accomplishes all contract work between the hours of 7:30 a.m. and 4:30 p.m. (CST), Monday through Friday, excluding Federal holidays.

Federal Holidays. Federal holidays may cause the CDP to be closed. The contract performance period has taken this possibility into consideration.

The Contracting Officer reserves the right to modify this work schedule for the Contractor's operations within reasonable parameters on an exception basis to accommodate other site schedules.

Work on weekends, holidays, and outside normal working hours listed above may be allowed if necessary to comply with the required completion schedule. The contractor shall request a work schedule variance from the COR at least two working days in advance of requested variance. This variance will include in detail the work that will be performed, the estimated duration of the variance, and the number of contractor personnel involved.

1.13 GOVERNMENT FURNISHED PROPERTY AND SERVICES

No Government Furnished Equipment (GFE) will be available for this effort.

1.14 SERVICES

The contractor and the COR shall agree on temporary storage areas in the general location of the project. Request for proposed storage area shall be submitted with the proposal documents. The contractor shall be responsible for the safety, security and maintenance associated with storage areas. Storage areas shall be kept clean and in a neat and organized appearance at all times. If the storage area is not maintained, the Contracting Officer may direct the contractor to store materials off the installation.

The Contractor may utilize existing building electrical service to power any equipment needed during construction.

Emergency medical services for Contractor personnel are the responsibility of the Contractor. However, when available, CDP emergency medical personnel will stabilize any injured Contractor personnel until local emergency response services arrive on site. No other emergency services shall be provided by the Government.

1.15 ADDITIONAL REQUIREMENTS

Appropriate measures shall be taken to minimize damage to surrounding grounds, structures, infrastructure, and shrubbery during all work requirements and processes. Contractor shall repair any CDP property damaged due to construction activities or contractor personnel, to include surrounding grounds, structures, infrastructure and shrubbery. Grounds shall be raked and smoothed free of debris to match adjoining ground level, and grass areas shall be re-sown with grass seed and appropriate straw or replaced with sod in areas of a sod grass. Damaged shrubbery shall be properly restored or replaced, damaged structures and infrastructure shall be repaired to original appearance and function unless otherwise indicated in section 6.2.1 "Specific Tasks". Contractor shall immediately report all damage to CDP property, caused by the contractor, to the COR.

Temporary Office/Storage Trailers & Laydown. Small areas of office space for contractors can sometimes be provided in mechanical rooms or other non-vacant areas. Available space is very limited. If the contractor wants to set up temporary office/storage trailers, the locations must be approved by DHS. No temporary utilities will be provided for the trailers; the contractor will have to obtain any temporary utilities for trailers. DHS typically does not allow temporary water lines or bladder type septic tanks on their property. DHS shall approve any temporary water lines or bladder type septic tanks on a case by case basis. Construction fencing is required for laydown areas. The contractor shall keep any turf within their laydown area mowed during the growing season. Any damage to turf, trees, shrubs, etc. shall be repaired/restored/replaced to existing condition or better. New turf (seeded or sod) shall be bermuda and shall be maintained by the contractor until fully established.

Where specific dimensions, details or design intent cannot be determined, consult with the government representative, via Request for Information (RFI) before proceeding with the work.

If work involves digging in or around utilities, the Contractor is responsible for locating commercial utility service lines by contacting the commercial locator service (Alabama One Call), and/or the required utility companies designated locating personnel for primary utilities. The contractor shall also responsible for locating all Secondary utilities(site lighting, telecommunications, plumbing, etc...) on the site.

CDP will provide all available drawings of privately owned utilities for use by the contractor in locating existing utilities. It is the contractor's responsibility to verify the location of all existing utilities. The contractor shall contact the COR if existing utility locations remain questionable. As with all former military bases, documentation of existing utilities dating back many decades is questionable and the contractor should use caution during any excavation.

Contractor shall repair/replace any utility that is within the (6) feet of the indicated location and damaged by the Contractor's operations. All repairs shall be performed within 24 hours from the time of breakage unless otherwise directed by the COR. Notify the CO and/or the COR immediately of breakage. Repair materials shall be approved by the COR.

The Contractor shall request, as far in advance as possible with a minimum of 72 hours, the interruption of utility services of any function of the

facilities. This includes, but is not limited to, any shut-down, relocation, rerouting, etc. of any utilities, services, roads, facilities, personnel, etc. The Contractor shall not proceed with any disruption without the consent of the CO and/or the COR. When given approval for a disruption, the Contractor shall accomplish the work during the period agreed upon. The Contractor is required to notify the CO and/or the COR immediately prior to any disruption and as soon as the work is completed and normal functions are restored.

Where available, onsite utilities will be provided at no cost to the contractor. These utilities shall be used only in the performance and support of the project. Any temporary connection to the utility system shall be coordinated with the COR prior to hook-up. The contractor shall complete the temporary connection and all temporary electrical work in accordance with applicable codes and standards. Temporary electrical wiring and devices shall comply with the current National Electrical Code. Temporary wiring and devices shall be removed at project completion. All temporary electrical work shall be at the contractor's expense.

Construction debris, waste materials, packaging material and the like shall be removed from the work site daily. Any dirt or mud which is tracked onto surfaces shall be removed. Materials resulting from demolition activities which are salvageable shall be stored within the supplemental storage area. Stored material not in trailers, whether new or salvaged, must be neatly stacked when stored. The premises shall be left broom clean. Stains, foreign substances, and temporary labels shall be removed from surfaces. Carpet and soft surfaces shall be vacuumed.

Equipment and fixtures shall be cleaned to a sanitary condition. Operating equipment filters shall be cleaned. The site shall have waste, surplus materials, and rubbish removed. The project area shall have temporary structures, barricades, project signs, and construction facilities removed.

The contractor is responsible for removal and proper storage of all existing and equipment that is to be re-used after the renovation. The contractor shall also be responsible for cleaning and reinstallation after completion of the project. The contractor shall document the condition of the furniture and equipment prior to removal. This documentation shall be provided to the government prior to removal with any deficiencies clearly noted. The contractor is responsible for final cleanup of all work included in the project.

1.16 OCCUPANCY

Occupancy: Building occupancy status shall be noted in section 01 11 00 of this RFP. If occupied, the contractor shall schedule and perform work under this contract in such a manner as to allow the occupants of the building to continue their normal activities with the least amount of interference. The contractor may at times be required to coordinate with other contractors on the CDP campus.

1.17 WARRANTY REQUIREMENTS

In addition to the one-year warranty of construction (referred to in 52.246-21), the contractor shall obtain all warranties that would normally be given in commercial practice and, upon final acceptance of the work (or before), provide a list to the Government of each warranted equipment

item, feature of construction, or system. The list shall indicate the following:

- a. Name of item.
- b. Model and Serial Number.
- c. Installed location.
- d. Name and phone numbers of manufacturers or suppliers.
- e. Names, addresses, and phone numbers of sources of spare parts.
- f. Warranties and terms of warranty. Items with warranties extending beyond the one-year warranty shall be indicated with separate warranty expiration dates.
- g. Start date and duration of warranty period.
- h. Summary of maintenance procedures required to continue the warranty in force with cross-reference to specific pertinent operation and maintenance manuals as applicable.

The Contractor shall provide all Certificates of Warranty for extended warranty items, to include roofs, HVAC balancing, pumps, motors, transformers, and for all commissioned systems such as fire protection and alarm systems, sprinkler systems, lightning protection systems, etc., for CDP review and possible incorporation. The contractor shall register all warranties in the name of the Center for Domestic Preparedness (CDP).

These documents shall be submitted with material submittals prior to CDP approval for construction. Warranty documents shall be assembled in a binder and submit to the COR for review and approval. Binder shall have a table of contents, be legible and neatly tabbed.

1.18 Contractor Response to Warranty Items:

Following written notification by the Government of a failure, defect, or damage, the Contractor shall respond to warranty service requirements in accordance with the categories of priority listed below:

1. Priority 1 - Perform onsite evaluation of situation and determine course of action within 4 hours of notification, initiate work within 6 hours and work continuously to completion or relief. This category includes installed systems that affect:
 - a. Security, fire, or safety problems.
 - b. Electrical power failures of entire areas or buildings; or any area power failure affecting heating or cooling.
 - c. Roof leaks: Temporary repairs shall be made where major damage to property is occurring or is expected to occur, until a permanent repair can be completed.
2. Priority 2 - Perform onsite evaluation and determine course of action within 8 hours, initiate work within 24 hours and work continuously to completion or relief. This category includes installed systems and equipment affect:
 - a. Kitchen operations and all other equipment, which would hamper the preparation of meals.
 - b. Roof leaks where major damage to property is not occurring or expected to occur.
 - c. No water to facility or unit.
 - d. No hot water in portion of building.
3. Priority 3 - All other work to be initiated within 3 workdays and work continuously to completion or relief. This category includes:
All others not listed above.

The Contractor at approximately six (6) months after final acceptance, shall conduct warrantee inspections. The inspections shall be scheduled by the Contractor, with the COR prior to final invoice being paid. Inspection shall be conducted with the Contractor and any required subcontractor personnel in attendance, along with the COR and any necessary CDP personnel in attendance. The Contractor shall develop and submit a checklist for these inspections along with schedule. A list of deficiencies existing at the time shall be compiled and submitted to the COR for review and then corrected by the Contractor within the agreed upon time frame.

The deficiencies and corrective actions shall be documented in the warranty deficiency log. The contractor's warranty with respect to work repaired or replaced under the above warranty service requirements shall run for one (1) year from the date of repair or replacement.

1.19 UTILITIES

If work involves digging in or around utilities the contractor shall obtain a dig permit from the installation prior to any excavating of govt. property. The dig permit must be signed and approved prior to any digging on DHS property.

If work involves digging in or around utilities the contractor will be responsible for locating commercial utility service lines by contacting the commercial locator service (Alabama One Call), and/or the required utility companies designated locating personnel.

CDP will provide all available drawings of privately owned utilities for use by the contractor in locating existing utilities. It shall be the contractor's responsibility to verify the location of all privately owned existing utilities at the contractor's expense. The contractor shall contact the COR if existing utility locations remain questionable. As with all former military bases documentation of existing utilities dating back many decades is questionable and the contractor should use caution during any excavation. Dig permits will not be approved until all utilities in the area have been located by the contractor.

Damaged Utilities. Contractor shall repair/replace any utility that is damaged by the Contractor's operations. All repairs shall be performed within 24 hours from the time of breakage unless otherwise directed by the COR. Notify the Administrative Contracting Officer or his/her Representative immediately of breakage. Repair materials shall be approved by the COR.

The Contractor will request, as far in advance as possible, with a minimum of 72 hours, the disruption of any function of the facilities. This includes, but is not limited to, any shut-down, relocation, rerouting, etc. of any utilities, services, roads, facilities, personnel, etc. The Contractor shall not proceed with any disruption without the consent of the Contracting Officer or his/her Representative. When given approval for a disruption, the Contractor will accomplish the work during the period agreed upon. The Contractor will be required to notify the Contracting Officer/COR a minimum of 72 hours prior to any disruption and as soon as the work is completed and normal functions are restored.

Temporary Electrical Service. All temporary electrical service on the project, and within all temporary and permanent structures shall be

installed and maintained in compliance with the provisions of EM 385-1-1, latest edition, Corps of Engineers Safety and Health Requirements, and APPENDIX T of Mobile District Regulation 385-1-1, Electrical Service Requirements for Construction and Maintenance Operations. Copies of these publications are available for inspection in the District Office by Prospective bidders, and will be furnished to the successful bidder upon request.

1.20 APPLICABLE CODES, RULES, PUBLICATIONS, & REGULATIONS

All work, including Design or Construction, shall be in compliance with applicable requirements of federal and state laws, codes, rules, regulations, ordinances, and standards including, but not limited to the latest edition of those outlined below and the accepted industry practices.

- a. Federal Security Level (FSL) Standards
- b. International Building Code (IBC)
- c. Uniform Federal Accessibility Standards (UFAS)
- d. Americans with Disability Act
- e. Occupational Safety and Health Administration (OSHA)
- f. International Fire Code
- g. National Fire Protection Association (NFPA)
- h. National Electric Code (NEC)
- i. Life Safety Code
- j. National Energy Code
- k. Federal Leadership in High Performance and Sustainable Buildings
- l. Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas
- m. American Society of Heating, Refrigerating, and Air Conditioning Engineers (ASHRAE) standards
- n. US Environmental Protection Agency (EPA) and Alabama Department of Environmental Management (ADEM)

1.21 START-UP, COMMISSIONING, AND TRAINING

The purpose of commissioning documentation is to record the standards of performance for building systems and to verify that what is designed and constructed meets those standards. At a minimum, the Contractor shall accomplish the following for applicable items:

- a. Field verification inspection and testing of commissioned systems, assemblies, and features are to be performed as each phase is completed. Verify that the systems operate in accordance with the design intent.
- b. Retest specific systems and/or system components once the deficiencies discovered during the first test are resolved.
- c. During functional performance testing and operator training, the team verifies the performance of building systems and determines the most efficient equipment settings.
- d. Testing should examine systems as a whole in order to evaluate overall design and compatibility.
- e. The Contractor will also supervise operations staff training on commissioned systems and equipment, and organize warranty information.
- f. Ultimately, the team will prepare documentation on systems, including benchmarks for energy use and equipment efficiencies, seasonal operational issues, start-up and shutdown procedures.
- g. Test data reports shall contain results of the testing and inspection plans and includes Pre-Functional Test (PFT) reports, Functional Test Reports (FTR), and other test results specified for the commissioned systems.

h. Due to weather conditions, not all systems can be tested at or near full load during the construction phase. Provide for off-season testing to allow testing, balancing, and optimization of integrated systems under the best conditions.

i. Upon completion of the equipment and systems installation and connections, the Contractor's QCM shall assemble all major equipment factory representatives and subcontractors together for system start-up and Owner instructional period. These individuals shall assist in start-up and check out of their systems and shall remain at the site until the systems operation is acceptable and understood to the Owner's maintenance and/or operation personnel.

j. The Contractor shall prepare a statement and check list to be included in the Operation and Maintenance Manual. This Statement shall read as follows: 1. "The Contractor, associated factory representatives and subcontractors, have started each system and the total system and have proved their normal operation to the Owner and have instructed him in the operation and maintenance thereof."

Upon successful start-up and testing, instruct the Owner's representative(s) in operation and maintenance of mechanical systems utilizing the Operation and Maintenance Manual. Individuals present shall include Contractor's QCM, subcontractors and equipment factory representatives. These individuals shall assist in instruction and start-up. The instruction period shall occur prior to substantial completion when systems are properly working.

1.22 TRAFFIC CONTROL

a. Unless otherwise directed, the Contractor shall keep the existing roads and parking lots open to all traffic while performing the required work. The Contractor shall keep the portion of the project being used by traffic in such condition that traffic will be adequately accommodated. Construction work that requires disruption of traffic will be accomplished during other than normal duty hours as directed and approved by the Contracting Officer.

b. The Contractor shall furnish, erect and maintain barricades, cones, warning signs, delineators, and flag persons in accordance with Section "G" of the "Alabama Manual on Uniform Traffic Control Devices for Streets and Highways".

c. Flag persons shall wear either an approved uniform or vest of fluorescent orange color and an orange hard hat and be equipped with a red flap of fluorescent material or a reflective stop/slow paddle.

d. The above traffic control devices shall be supplemented as necessary with warning lights of the kind and type specified by the Contracting Officer's representative.

1.23 ROAD CLOSURES

Planned road closures shall be detailed and coordinated by the Contractor. Requests for road closures shall be submitted in writing by the Contractor to the Contracting Officer's Representative at least 10 (ten) working days before the planned closure. When it becomes necessary to close roads for construction, the contractor shall immediately put in place the necessary signs and barricades required. The signs and barricades used shall

conform with the National Transportation Safety Board (NTSB) standards. These include but are not limited to begin/end construction signs, standard traffic control signs including clearly marked detours and barricades with yellow flashing caution lights. Hand painted plywood signs (or other materials) are not allowed or acceptable. Upon completion of road work, all signs and barricades shall be immediately removed and all normal traffic control devices and signs returned to their original condition. Signs and barricades shall not be left along sides of roadways.

1.24 PROJECT SIGN

The Contractor shall furnish and install a project sign and a safety performance sign at the location designated by the Contracting Officer within 30 days after notice to proceed. The signs shall be constructed as indicated on the figures bound herein. Size, lettering, color, and paint shall conform to the details shown in Figure 5B "Construction Sign," Figure 5C "Fabrication and Mounting Guidelines," and Figure 5D "Safety Performance Sign," bound herein. All parts of frames and signs shall be given a primer coat of oil paint and a minimum of two finish coats of white semi-gloss paint. The Contractor shall maintain the signs in a "like new" condition throughout the life of the project, repainting and replacing members as necessary to accomplish this requirement. No direct payment will be made for the signs nor maintenance of the signs.

1.25 HAZARD ANALYSIS

A hazard analysis plan, as described in Section 1, Article 01.A.05 of the Corps of Engineers Safety and Health Requirements Manual, EM 385-1-1, latest edition, shall be submitted to the Contracting Officer's Representative for approval for the basic contract and for the basic Contract and for each Task Order.

1.26 CERTIFICATES OF COMPLIANCE

Any certificates required for demonstrating proof of compliance of materials with specification requirements shall be executed in four copies. Each certificate shall be signed by an official authorized to certify on behalf of the manufacturing company and shall contain the name and address of the Contractor, the project name and location, and the quantity and date or dates of shipment or delivery to which the certificates apply. Copies of laboratory test reports submitted with certificates shall contain the address of the testing laboratory and the date or dates of the tests to which the report applies. Certification shall not be construed as relieving the Contractor from furnishing satisfactory material, if, after tests are performed on selected samples, the material is found not to meet the specific requirements.

1.27 EQUIPMENT DATA

(a) Major Equipment. The Contractor shall be required to make a list of all installed equipment furnished under this contract. This list shall include but not be limited to each piece of equipment which has a serial number. This list shall include all information usually listed on manufacturer's name plate, so as to positively identify the piece of property. This list shall also include the cost of each piece of installed property (less installation costs) F.O.B. construction site. The above referenced list shall be furnished as soon as possible after equipment is purchased. The list shall be furnished as one (1) reproducible and three (3) copies and shall be furnished to Contracting

Officer not later than thirty calendar days prior to completion of any segment of the contract work which has an incremental completion date. Listing will be on Government furnished MOB Form 897, available from the Contracting Officer.

(b) Other Equipment. The Contractor will be required to furnish a brochure, catalog cut, parts list, manufacturer's data sheet or other publication (including the manufacturer's name and address) which will show detailed parts data on all other equipment, such as hardware, plumbing and lighting fixtures, etc., subject to repair and maintenance procedures. The data shall be furnished in four (4) copies to the Contracting Officer not later than thirty calendar days prior to completion of any segment of the contract work which has an incremental completion date.

1.28 LAYOUT OF WORK

The Contractor shall lay out its work from Government established base lines and bench marks indicated on the drawings, and shall be responsible for all measurements in connection with the layout. The Contractor shall furnish, at its own expense, all stakes, templates, platforms, equipment, tools, materials, and labor required to lay out any part of the work. The Contractor shall be responsible for executing the work to the lines and grades that may be established or indicated by the Contracting Officer. The Contractor shall also be responsible for maintaining and preserving all stakes and other marks established by the Contracting Officer until authorized to remove them. If such marks are destroyed by the Contractor or through its negligence before their removal is authorized, the Contracting Officer may replace them and deduct the expense of the replacement from any amounts due or to become due to the Contractor.

1.29 CONTRACTOR MAINTENANCE

At the end of each working day the Contractor shall police the work area and the area immediately surrounding the work area of all work-related debris. The Contractor shall comply with all applicable safety requirements and shall conduct his operations in a manner to insure an accident-free environment. Contractor shall keep all grassed areas within his work area in a neatly trimmed state during the growing season. Stacked materials shall not be within 25 feet of an active roadway.

1.30 TEMPORARY ELECTRICAL SERVICE

All temporary electrical service on the project, and within all temporary and permanent structures shall be installed and maintained in compliance with the provisions of EM 385-1-1, latest edition, Corps of Engineers Safety and Health Requirements, and APPENDIX T of Mobile District Regulation 385-1-1, Electrical Service Requirements for Construction and Maintenance Operations. Copies of these publications are available for inspection in the District Office by Prospective bidders, and will be furnished to the successful bidder.

1.31 RATES OF WAGES

Wage rates shall be implemented as set forth by the Davis Bacon Act. Wage Rates. Wage rates are included at the end of this section.

1.32 CONTRACTOR SUPPLY AND USE OF ELECTRONIC SOFTWARE FOR PROCESSING
DAVIS-BACON ACT CERTIFIED PAYROLLS

- a. The contractor will use a commercially available electronic system to process and submit certified payrolls electronically to the Government. The Davis-Bacon Act establishes the requirements for preparing, processing, and providing certified labor payrolls.
- b. The contractor shall be responsible for obtaining and providing access for all licenses and other services required to provide for receipt, processing, certifying, electronically transmitting to the Government, and storing weekly payrolls and other data required for the contractor to comply with Davis-Bacon Act and related statutes. When the contractor uses an electronic Davis-Bacon Act payroll service, it shall be used to prepare, process, and maintain the relevant payrolls and basic records for all work under the construction contract. The electronic payroll service shall be capable of preserving the payroll and related basic records for the required three years after contract completion. The contractor shall obtain and provide electronic system access including electronic review to the Government, as required to comply with the Davis-Bacon Act and related statutes through the duration of the construction contract.
- c. The contractor's provision and use of an electronic payroll processing system shall meet the following basic functional criteria:
 1. commercially available;
 2. compliant with appropriate Davis-Bacon Act payroll provisions in the FAR;
 3. able to accommodate the required number of employees and subcontractors that will be employed under the contract;
 4. capable of producing an Excel spreadsheet-compatible electronic output of weekly payroll records for export into an Excel spreadsheet to be imported into the contractor's mode of Resident Management System 3.0;
 5. demonstrated security of data and data entry rights;
 6. able to produce contractor-certified electronic versions of weekly payroll data;
 7. able to identify erroneous entries and track the date/time of all versions of the certified Davis-Bacon Act payrolls submitted to the government over the life of the contract;
 8. capable of generating a durable record copy in a Compact Disc (CD) or Digital Versatile Disc (DVD) and Portable Document Format (PDF) file record of data from the system database at the end of the contract closeout. This durable record copy of data from the electronic payroll processing system shall be provided to the Government during contract closeout.
- d. All contractor-incurred costs related to the contractor's provision and use of an electronic payroll processing service shall be included in the contractor's price for the overall work under the contract. The costs for Davis-Bacon Act compliance using electronic payroll processing services shall not be a separately bid or reimbursed item under this contract.

PART 2 PRODUCTS (NOT APPLICABLE)

PART 3 EXECUTION (NOT APPLICABLE)

-- End of Section --

The use of signs to identify Corps managed or supervised design, construction, and rehabilitation projects - both for military and civil works - is an important part of efforts to keep the public informed of Corps work. For this purpose, a construction project sign package has been adopted. This package consists of two signs: one for project identification and the other to show on-the-job safety performance of the contractor.

These two signs are to be displayed side by side and mounted for reading by passing viewers. Exact placement location will be designated by the contracting officer's representative.

The panel sizes and graphic formats have been standardized for visual consistency throughout all Corps operations.

Panels are fabricated using HDO plywood or aluminum with dimensional lumber uprights and bracing. The sign faces are nonreflective vinyl.

All legends are to be die-cut or computer-cut in the sizes and typefaces specified and applied to the white panel background following the graphic formats shown on pages 16-2 and 16-3. The Communication Red panel on the left side of the construction project sign with Corps Signature (reverse version) is screen-printed onto the white background.

A display of these two signs is shown on the following two pages. Mounting and fabrication details are provided on page 16-4.

Special applications or situations not covered in these guidelines should be referred to the district Sign Program Manager.

Below are two samples of the Construction Project Identification sign showing how this panel is adaptable for use to identify either military (top) or civil works projects (bottom). The graphic format for this 4'x 6' sign panel follows the legend guidelines and layout as specified below. The large 4'x 4' section of the panel on the right is to be white with black legend. The 2'x 4' section of the sign on the left

with the full Corps Signature (reverse version) is to be screen-printed Communication Red on the white background. The designation of a sponsor in the area indicated is optional with Military or Civil Works construction signs. Signs may list one sponsoring entity. If agreement on a sponsor designation cannot be achieved, the area should be left blank.

This sign is to be placed with the Safety Performance sign shown on the following page. Mounting and fabrication details are provided on page 16-4.

Special applications or situations not covered in these guidelines should be referred to the district Sign Program Manager.

Modified IAW ECB 2020-1

Legend Group 1: One- to two-line description of Corps relationship to project.
Color: White
Typeface: 1.25" Helvetica Regular
Maximum line length: 19"

Legend Group 2: Division or District Name (optional). Placed below 10.5" reverse Signature (6" Castle).
Color: White
Typeface: 1.25" Helvetica Regular

Legend Group 2a: One- to three-line identification of Military or Civil Works sponsor (optional). Place below Corps Signature to cross-align with Group 5a-b.
Color: White
Typeface: 1.25" Helvetica Regular
Maximum line length: 19"

Legend Group 3: One- to three-line project title legend describes the work being done under this contract.
Color: Black
Typeface: 3" Helvetica Bold
Maximum line length: 42"

Legend Group 4: One- to two-line identification of project or facility (civil works) or name of sponsoring department (military).
Color: Black
Typeface: 1.5" Helvetica Regular
Maximum line length: 42"

Cross-align the first line of Legend Group 4 with the first line of the Corps Signature (US Army Corps) as shown.

Legend Groups 5a-b: One- to five-line identification of prime contractors including: type (architect, general contractor, etc.), corporate or firm name, city, state. Use of Legend Group 5 is optional.
Color: Black
Typeface: 1.25" Helvetica Regular
Maximum line length: 21"

All typography is flush left and rag right, upper and lower case with initial capitals only as shown. Letter- and word-spacing to follow Corps standards as specified in Appendix D.



Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
CID-01	various	4'x6'	4"x4"	HDO-3	48"	WH-RD/BK

Each contractor's safety record is to be posted on Corps managed or supervised construction projects and mounted with the Construction Project Identification sign specified on page 16-2.

The graphic format, color, size and typefaces used on the sign are to be reproduced exactly as specified below. The

title with First Aid logo in the top section of the sign, and the performance record captions are standard for all signs of this type. Legend groups 2 and 3 below identify the project and the contractor and are to be placed on the sign as shown.

Safety record numbers are mounted on individual metal plates and are screw-

mounted to the background to allow for daily revisions to posted safety performance record.

Special applications or situations not covered in these guidelines should be referred to the district Sign Program Manager.

Legend Group 1: Standard two-line title "Safety is a Job Requirement" with 8" (outside diameter) Safety Green first aid logo.
Color: To match Pantone system 347
Typeface: 3" Helvetica Bold
Color: Black

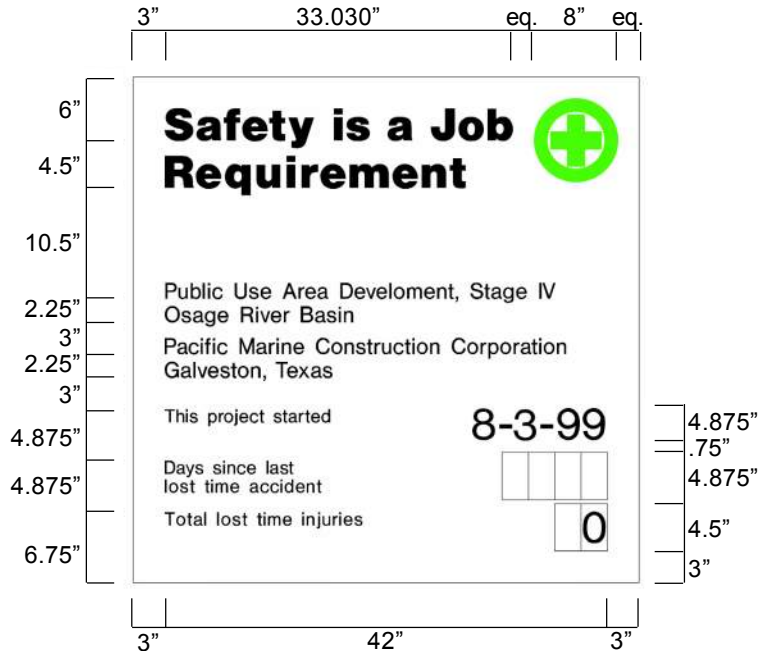
Legend Group 2: One- to two-line project title legend describes the work being done under this contract and name of host project.
Color: Black
Typeface: 1.5" Helvetica Regular
Maximum line length: 42"

Legend Group 3: One- to two-line identification: name of prime contractor and city, state address. Color: Black
Typeface: 1.5" Helvetica Regular
Maximum line length: 42"

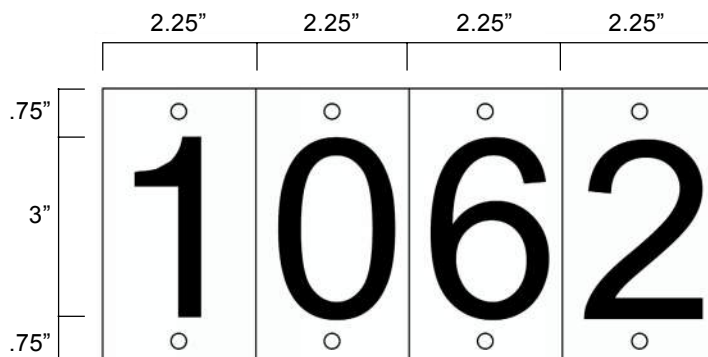
Legend Group 4: Standard safety record captions as shown.
Color: Black
Typeface: 1.25" Helvetica Regular

Replaceable numbers are to be mounted on white .060 aluminum plates and screw-mounted to background.
Color: Black
Typeface: 3" Helvetica Regular
Plate size: 2.5" x 4.5"

All typography is flush left and rag right, upper and lower case with initial capitals only as shown. Letter- and word-spacing to follow Corps standards as specified in Appendix D.



Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
CID-02	various	4'x4'	4"x4"	HDO-3	48"	WH/BK-SG



All Construction Project Identification signs and Safety Performance signs are to be fabricated and installed as described below. The signs are to be erected at a location designated by the contracting officer representative and shall conform to the size, format, and typographic standards shown on pages 16-2 and 16-3. Detailed specifications

for HDO plywood panel preparation are provided in Appendix B.

For additional information on the proper method to prepare sign panel graphics, contact the district Sign Program Manager.

Shown below the mounting diagram is a panel layout grid with spaces provided for project information. Photocopy this page and use as a worksheet when preparing sign legend orders.

The sign panels are to be fabricated from .75" High Density Overlay Plywood. Panel preparation to follow HDO specifications provided in Appendix B.

Sign graphics to be prepared on a white nonreflective vinyl film with positionable adhesive backing.

All graphics except for the Communication Red background with Corps Signature on the project sign are to be die-cut or computer-cut nonreflective vinyl, prespaced legends prepared in the sizes and typefaces specified and applied to the background panel following the graphic formats shown on pages 16-2 and 16-3.

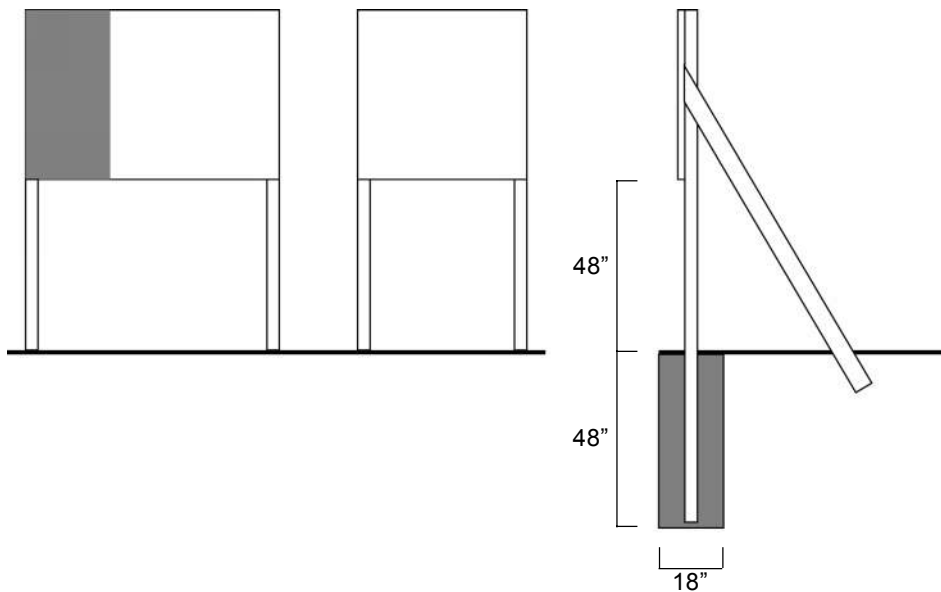
The 2'x 4' Communication Red panel (to match Pantone system 032) with full Corps Signature (reverse version) is to be screen-printed on the white background. Identification of the district or division may be applied under the signature with white cut vinyl letters prepared to Corps standards.

Drill and insert six (6) .375" T-nuts from the front face of the HDO sign panel. Position holes as shown. Flange of T-nut to be flush with sign face.

Apply graphic panel to prepared HDO plywood panel following manufacturers' instructions.

Sign uprights to be structural grade 4" x 4" treated Douglas Fir or Southern Yellow Pine, No.1 or better. Post to be 12' long. Drill six (6) .375" mounting holes in uprights to align with T-nuts in sign panel. Countersink (.5") back of hole to accept socket head cap screw (4" x .375").

Assemble sign panel and uprights. Imbed assembled sign panel and uprights in 4' hole. Local soil conditions and/or wind loading may require bolting additional 2" x 4" struts on inside face of uprights to reinforce installation as shown.



Construction Project Identification Sign Legend Group 1: Corps Relationship

1. _____
2. _____

Legend Group 2: Division/District Name

1. _____
2. _____

Legend Group 2a: Military/Civil Works Sponsor

1. _____
2. _____

Legend Group 3: Project Title

1. _____
2. _____
3. _____

Legend Group 4: Facility Name

1. _____
2. _____

Legend Group 5: Contractor/A&E

1. _____
2. _____
3. _____
4. _____
5. _____

Legend Group 5b: Contractor/A&E

1. _____
2. _____
3. _____
4. _____
5. _____

Safety Performance Sign

Legend Group 2: Project Title

1. _____
2. _____

Legend Group 3: Contractor/A&E

1. _____
2. _____

"General Decision Number: AL20250084 01/03/2025

Superseded General Decision Number: AL20240084

State: Alabama

Construction Type: Building

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories)

County: Calhoun County in Alabama.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories).

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	. Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$17.75 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2025.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	. Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$13.30 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2025.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

Modification Number Publication Date
0 01/03/2025

ASBE0078-001 10/01/2024

	Rates	Fringes
ASBESTOS WORKER/HEAT & FROST INSULATOR.....	\$ 31.10	16.40

BOIL0108-001 01/01/2021

	Rates	Fringes
BOILERMAKER.....	\$ 30.49	23.13

ENGI0312-001 09/01/2023

	Rates	Fringes
POWER EQUIPMENT OPERATOR Crane.....	\$ 31.52	13.98
Forklift.....	\$ 31.52	13.98

IRON0092-003 09/01/2024

	Rates	Fringes
IRONWORKER, STRUCTURAL.....	\$ 33.75	14.03

IRON0092-007 09/01/2024

	Rates	Fringes
IRONWORKER, REINFORCING.....	\$ 33.75	14.03

SUAL2015-012 08/02/2017

	Rates	Fringes
BRICKLAYER.....	\$ 22.00	0.00
CARPENTER.....	\$ 15.72 **	1.85
CEMENT MASON/CONCRETE FINISHER...	\$ 18.91	4.39
ELECTRICIAN.....	\$ 17.72 **	2.31
LABORER: Common or General.....	\$ 12.93 **	0.00
LABORER: Mason Tender - Brick...	\$ 12.22 **	0.00
LABORER: Mason Tender - Cement/Concrete.....	\$ 14.23 **	0.00
LABORER: Pipelayer.....	\$ 15.59 **	0.00
OPERATOR: Backhoe/Excavator/Trackhoe.....	\$ 21.48	11.20
OPERATOR: Bulldozer.....	\$ 19.96	0.40
OPERATOR: Grader/Blade.....	\$ 17.52 **	0.89
OPERATOR: Loader.....	\$ 14.69 **	0.00

OPERATOR: Roller.....	\$ 14.00 **	1.78
PAINTER (Brush and Roller).....	\$ 15.31 **	1.41
PAINTER: Spray.....	\$ 14.31 **	0.00
PIPEFITTER.....	\$ 20.78	5.04
PLUMBER.....	\$ 18.97	0.36
ROOFER.....	\$ 13.66 **	0.00
SHEET METAL WORKER, Includes HVAC Duct Installation.....	\$ 23.25	4.17
TILE SETTER.....	\$ 20.00	0.00
TRUCK DRIVER: Dump Truck.....	\$ 13.60 **	0.00

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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** Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 (\$17.75) or 13658 (\$13.30). Please see the Note at the top of the wage determination for more information. Please also note that the minimum wage requirements of Executive Order 14026 are not currently being enforced as to any contract or subcontract to which the states of Texas, Louisiana, or Mississippi, including their agencies, are a party.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classifications and wage rates that have been found to be prevailing for the type(s) of construction and geographic area covered by the wage

determination. The classifications are listed in alphabetical order under rate identifiers indicating whether the particular rate is a union rate (current union negotiated rate), a survey rate, a weighted union average rate, a state adopted rate, or a supplemental classification rate.

Union Rate Identifiers

A four-letter identifier beginning with characters other than ""SU"", ""UAVG"", ?SA?, or ?SC? denotes that a union rate was prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2024. PLUM is an identifier of the union whose collectively bargained rate prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2024 in the example, is the effective date of the most current negotiated rate.

Union prevailing wage rates are updated to reflect all changes over time that are reported to WHD in the rates in the collective bargaining agreement (CBA) governing the classification.

Union Average Rate Identifiers

The UAVG identifier indicates that no single rate prevailed for those classifications, but that 100% of the data reported for the classifications reflected union rates. EXAMPLE: UAVG-OH-0010 01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date, 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

A UAVG rate will be updated once a year, usually in January, to reflect a weighted average of the current rates in the collective bargaining agreements on which the rate is based.

Survey Rate Identifiers

The ""SU"" identifier indicates that either a single non-union rate prevailed (as defined in 29 CFR 1.2) for this classification in the survey or that the rate was derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As a weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SUFL2022-007 6/27/2024. SU indicates the rate is a single non-union prevailing rate or a weighted average of survey data for that classification. FL indicates the State of Florida. 2022 is the year of the survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 6/27/2024 in the example, indicates the survey completion date for the classifications and rates under that identifier.

?SU? wage rates typically remain in effect until a new survey is conducted. However, the Wage and Hour Division (WHD) has the discretion to update such rates under 29 CFR 1.6(c)(1).

State Adopted Rate Identifiers

The "SA" identifier indicates that the classifications and prevailing wage rates set by a state (or local) government were adopted under 29 C.F.R 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 01/03/2024 in the example, reflects the date on which the classifications and rates under the ?SA? identifier took effect under state law in the state from which the rates were adopted.

WAGE DETERMINATION APPEALS PROCESS

1) Has there been an initial decision in the matter? This can be:

- a) a survey underlying a wage determination
- b) an existing published wage determination
- c) an initial WHD letter setting forth a position on a wage determination matter
- d) an initial conformance (additional classification and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to davisbaconinfo@dol.gov or by mail to:

Branch of Wage Surveys
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

Regarding any other wage determination matter such as conformance decisions, requests for initial decisions should be directed to the WHD Branch of Construction Wage Determinations. Requests can be submitted via email to BCWD-Office@dol.gov or by mail to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2) If an initial decision has been issued, then any interested party (those affected by the action) that disagrees with the decision can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Requests for review and reconsideration can be submitted via email to dba.reconsideration@dol.gov or by mail to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and any information (wage payment

data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210.

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END OF GENERAL DECISION"

SECTION 01 10 12

DESIGN AFTER AWARD

**Department of Homeland Security, Center for Domestic Preparedness
Anniston, AL**

PART 1 GENERAL

1.1 DESIGN RESPONSIBILITY

- a. The Contractor shall furnish and be responsible for a set of Shop Drawing Design documents as referenced in the requirements of Section 01 11 00 Summary of Work and as called for hereinafter. Shop drawing design will be required for coordination & documentation of areas to be abated.
- b. All correspondence/coordination shall be coordinated through the USACE to DHS.
- c. It is the contractor's and/or the design professional's responsibility to design the project in compliance with the most current applicable requirements of federal and state laws, codes, rules, regulations, ordinances, and standards.
- d. Design documents shall contain a level of quality and detail that is consistent with the current industry standard.

1.2 DESIGN PLAN DOCUMENTS

1.2.1 A 100% Shop Drawing Design Package submitted for USACE/CDP review shall include the following:

- a. Complete set of Plans, with no known incomplete items.
- b. Ensure that all details, sections, etc., necessary for the final documents have been added to the drawings and are complete and thoroughly cross-referenced.
- c. Floor plans showing demolition work in sufficient detail to indicate all existing building materials and finish conditions required for renovation and modification projects. Drawings shall be of sufficient detail to indicate "existing to remain," "existing to be removed," as well as all new work and materials.
- d. Floor plans indicating new work shall include a finish schedule of the rooms requiring renovation. Room numbers shall be indicated on plans.
- e. Completed Door Schedule of all rooms requiring door slab replacement.
- f. Plans indicating the intended Construction Phasing Plan.

1.2.2 Following review of the 100% Shop Drawing Design Package and resolution of any comments resulting from the review, the

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PAGE 1

ADDED BY AMENDMENT NO. W9127824R0055-0001

contractor shall submit a 100% (IFC) Issued for Construction set of plans to be used by all parties for the execution of this contract.

1.3 ADDITIONAL DESIGN REQUIREMENTS

1.3.1 The Cover Page for all plan sets shall include the name and address of the AE and the prime contractor.

1.3.2 Ensure that all Plan Sets are assembled in a neat and professional manner. All Title Blocks shall be completely filled out and words shall not be misspelled. Also Drawing set's shall be clearly marked "Not for Construction" or "Approved for Construction". The plan set will be rejected if it is not stamped properly. Plan sets shall be neatly bound.

1.3.3 Fire Protection. The contractor shall ensure any changes and/or modifications made under this project will not interfere with fire protection systems of the applicable buildings. All design and/or work must be made within NFPA guidelines, ensuring fire protection of the applicable buildings.

1.4 DESIGN APPROVAL

1.4.1 All design documents shall be submitted on a 4025 to the USACE. All designs will be reviewed and approved by the USACE.

1.4.2 Contractor shall anticipate a turnaround of 14 calendar days for all design review comments by the USACE and CDP.

1.4.3 For Design Submittals the contractor shall furnish the number of copies of the submittals listed below with a cover letter identifying the submittal and appropriate review period to each of the following addresses:

A. U.S. Army Corps of Engineers, Mobile District
Anniston Resident Office
ATTN: Walter "Jay" Wyatt
35 Industrial Parkway
Anniston, AL 36201
Phone: 256-231-8336
Email: walter.wyatt@usace.army.mil

B. U.S. Department of Homeland Security
ATTN: David Cole
35 Industrial Parkway
Anniston, AL 36201
Email: david.cole4@fema.dhs.gov

*Note: Submittals for DHS shall be delivered to USACE

1.4.4 Design Submittals/mailling Distribution:

- A. - Design Review Packages: 1 Half Size Drawing set and 1 CD of electronic files.
 - i. -Final Design and As-Builts: 2 Half Size drawing, 1 CD.
- B. - Design Review Packages: 2 Half Size Drawing sets and 1 CD of electronic files.
 - i. -Final Design and As-Builts: 1 Half Size Drawing set, 1 Full size drawing set, 1 Binder of specifications/design analysis, and 1 CD of electronic files.

SECTION 01 11 00

SUMMARY OF WORK
02/24

PART 1 GENERAL

1.1 WORK COVERED BY CONTRACT DOCUMENTS

The contractor shall furnish all labor, management, cost estimating, scheduling, equipment, tools, materials, shop drawings, product data submittals, supervision and other items and services necessary, except those specified as "Government Furnished" to complete the required project in accordance with this document, specifications, drawings and applicable codes and industry standards. The contractor will estimate and propose all project scope and any options, if applicable, separately.

1.1.1 Project Description

This project will provide abatement of known Asbestos Containing Materials(ACM) on the DHS Center for Domestic Preparedness(CDP) Campus. Shop drawing design will be required for coordination & documentation of areas to be abated. The specific items to be abated are listed in the summary of work.

1.1.2 Summary of Work

The contractor shall provide shop drawing design and ACM (Asbestos Containing Material) abatement as well as material replacement for this contract. The ACM abatement of this contract will require ACM stair tread/floor tile/mastic abatement and stair tread/flooring/base molding replacement in multiple rooms of the Noble Training Facility (NTF) as shown in Appendix A of this RFP. Stair treads of each stairwell shall be demolished and replaced. Fire Rated door slabs containing ACM at the NTF shall also be replaced as indicated in Appendix B.

1.1.2.1 NTF ACM FLOOR TILE/MASTIC ABATEMENT & FLOORING REPLACEMENT

Previous ACM surveys have indicated the presence of ACM in the VCT floor tiles and mastic of multiple rooms at the NTF. The contractor shall provide abatement of ACM stair treads/floor tile/mastic as well as stair tread/flooring/base molding replacement for all of the rooms indicated in Appendix A of this RFP.

The approximate total square footage on each floor requiring abatement/replacement is listed below:

Basement - 9,800 square ft.
1st Floor - 43,400 square ft.
2nd Floor - 28,500 square ft.
3rd Floor - 8,400 square ft.

CAD files of the existing floor plan of the NTF are available upon request.

The flooring abatement/replacement shall meet the following requirements:

- a. The flooring abatement/replacement of the NTF will require phasing due

to the occupation of the facility. The intent is for each phase to have 2 stages, the 1st for abatement and the 2nd for flooring replacement. The contractor shall submit for approval a phasing plan with a diagram and schedule of areas to be impacted for DHS training coordination. The phasing plan must be approved a minimum of one month prior to start of work to allow DHS advance notice for training personnel. Coordination with DHS maintenance through the COR will be required for HVAC shutdown as needed for containment zones in each area. A diagram of the HVAC zones of the NTF has been provided in Appendix C for reference.

b. The government has in its possession approximately 12,500 sq. ft. of new VCT floor tiles that shall be installed by the contractor for flooring replacement as part of this project.

1.1.2.1.1 FLOORING ACM ABATEMENT - 1st STAGE

a. The contractor shall provide demolition & abatement of VCT floor tile, stair treads, mastic, & base molding for all rooms indicated in Appendix A in accordance with specification section 02 82 00 of this RFP. Rooms noted to have new carpet installed in Appendix A, will have carpet covering the existing VCT that will require demolition prior to abatement of the VCT tiles underneath.

b. The contractor will be required to remove and re-install the furniture in each room prior to phase area turnover and after completion of flooring abatement/replacement in each phase area. Furniture will be stored inside of the existing building. Swing spaces for furniture storage within the building shall be coordinated with the government prior to phase area turnover. The government will be responsible for removing all personal items to include computers, monitors, television's, files, and any other personal items prior to turnover of each phase.

c. The government will establish a swing space for DHS employees that is to be used during phase contractor occupation.

1.1.2.1.2 FLOORING REPLACEMENT - 2nd STAGE

a. The contractor shall install new carpeting and base molding in all areas as indicated in Appendix A. Any required transition strips shall be included. The user shall select color and pattern of carpet tiles. The contractor shall submit for approval detailed shop drawings indicating the areas of repair with all installation details listed. Installation shall be completed in accordance with the requirements of the contract specifications 09 68 00 of this RFP. Pre-formed corners shall be provided for all base molding. All base molding shall be replaced with new 6" base molding.

The approximate area requiring new carpet installation is listed below:

NTF - 1st Floor Carpet areas - 9,000 sq. feet
NTF - 3rd Floor Carpet areas - 8,300 sq. feet

b. The contractor shall replace VCT flooring, stair treads, & base molding of all areas identified in Appendix A. Any required transition strips shall be included. New stair treads, risers, and stringers

shall be provided in each stairwell. The user shall select color and pattern of all materials. The contractor shall submit for approval detailed shop drawings indicating the areas of repair with all installation details listed. Installation shall be completed in accordance with the requirements of the contract specifications 09 05 61 & 09 65 00. Pre-formed corners shall be provided for all base molding. All base molding shall be replaced with new 6" base molding.

c. VCT tile colors and type shall be matched to existing by the contractor and submitted for approval by the COR/COE prior to purchase and installation.

d. The Corridors of the 1960 original section of the facility have existing tile base molding that shall remain in place and will not require replacement

e. Room 1030A (Vending) has a partial quarry tile floor on grout bed that will require demolition and floor leveling repair prior to installation of new VCT.

f. The contractor will be responsible for performing the initial polishing/waxing of the new VCT floors. Polishing/waxing shall be done as soon as possible after the new installations to prevent damage to the new tiles. This must be completed prior to furniture moving & phase turnover. See specification 09 65 00.

g. The contractor will be required to provide an additional 10% Attic Stock of the VCT tiles and carpet tiles selected at the completion of the project. The contractor shall also be required to provide 3% attic stock of the selected base molding & stair treads.

1.1.2.2 NTF ACM FIRE DOOR ABATEMENT/REPLACEMENT

Previous ACM surveys have indicated the presence of ACM in multiple fire doors at the NTF. The contractor shall replace all door slabs indicated in the schedule of Appendix B of this RFP. Door Slabs shall be in accordance with specification section 08 14 00 of this RFP. As-Built Original Drawings have been provided for reference in Appendix D. Replacement of door slabs shall meet the following requirements:

a. Replacement door slabs shall match the existing door finish as closely as possible.

b. Replacement door slabs shall meet the required minimum fire rating requirements of the existing door.

c. Replacement door slabs shall be modified to fit the existing frames if fitment issues arise. Modifications shall be in accordance with manufacturers recommendations. The contractor will be responsible for field measuring each door prior to purchasing to verify fitment and size.

d. Existing door hardware shall be re-used to the maximum extent possible, with the exception of hinges and kick plates. New hinges shall be provided for all doors. Doors that have existing kick plates shall be replaced. Existing door nameplates shall be re-installed if required. Any door hardware that is found to be damaged shall be identified to the Contracting Officers Representative(COR) immediately. Pre-damaged hardware will require COR verification and at

this point a contract modification shall be considered to remedy the issue.

e. Touch up painting of door frames shall be required if the door frames are damaged by the contractor during installation of new doors.

1.1.3 Location

The work is located at the Department of Homeland Security (DHS) Center for Domestic Preparedness (CDP) Campus in Anniston, Alabama., approximately as indicated. The exact location will be shown by the Contracting Officer.

1.2 OCCUPANCY OF PREMISES

Building(s) will be occupied during performance of work under this Contract. Occupancy notifications will be posted in a prominent location in the work area.

Before work is started, arrange with the Contracting Officer a sequence of procedure, means of access, space for storage of materials and equipment, and use of approaches, corridors, and stairways.

1.3 EXISTING WORK

Remove or alter existing work in such a manner as to prevent injury or damage to any portions of the existing work which remain.

Repair or replace portions of existing work which have been altered during construction operations to match existing or adjoining work, as approved by the Contracting Officer. At the completion of operations, existing work must be in a condition equal to or better than that which existed before new work started.

1.4 GOVERNMENT-FURNISHED MATERIAL AND EQUIPMENT

The Government will furnish the following materials and equipment for installation by the Contractor:

DESIGNATION NO.	DESCRIPTION	QUANTITY
1	Armstrong VCT Floor Tile	12,500 sq. ft.

Quantities indicated for the above-listed items marked with an asterisk are estimates. It is the intention of the Government to furnish all quantities of the asterisk items required to complete the work as specified, and the various quantities will be adjusted when necessary. Quantities stated for the above items not marked with an asterisk are all that will be furnished by the Government. Provide any additional quantities that are required.

1.4.1 Delivery Schedule

Notify the Contracting Officer in writing at least 7 calendar days in advance of the date on which the materials and equipment are required.

Pick up materials and equipment no later than 30 calendar days after such date.

1.4.2 Delivery Location

The materials and equipment are located at DHS Bldg. 40 are located within 1 miles of the jobsite.

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

Not used.

-- End of Section --

SECTION 01 30 00

ADMINISTRATIVE REQUIREMENTS

11/20, CHG 4: 08/24

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

U.S. ARMY CORPS OF ENGINEERS (USACE)

EM 385-1-1

(2024) Safety -- Safety and Occupational
Health (SOH) Requirements

1.2 SUBMITTALS

Government approval is required for submittals with a "G" or "S" classification. Submittals not having a "G" or "S" classification are for Contractor Quality Control approval. Submittals not having a "G" or "S" classification are for information only. When used, a code following the "G" classification identifies the office that will review the submittal for the Government. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

View Location Map

Progress and Completion Pictures

1.3 VIEW LOCATION MAP

Submit, prior to or with the first digital photograph submittals, a sketch or drawing indicating the required photographic locations. Update as required if the locations are moved.

1.4 PROGRESS AND COMPLETION PICTURES

Prior to project documentation by photographs the contractor shall obtain permission for use of photographs from DHS security. Photographically document site conditions prior to start of construction operations. Provide monthly, and within one month of the completion of work, digital photographs, 1600x1200x24 bit true color minimum resolution in JPEG file format showing the sequence and progress of work. Take a minimum of 10 digital photographs each week throughout the entire project from a minimum of ten different viewpoints selected by the Contractor unless otherwise directed by the Contracting Officer. Submit with the monthly invoice one set of digital photographs and view location map in RMS along with the requirements per specification section 01 32 01.00 10 "PROJECT SCHEDULE" (monthly schedule update). Indicate photographs demonstrating environmental procedures. Provide photographs for each month in a separate monthly directory and name each file to indicate its location on

the view location sketch. Include a date designator in file names. Photographs provided are for unrestricted use by the Government to document project file.

1.5 MINIMUM INSURANCE REQUIREMENTS

Provide the minimum insurance coverage required by FAR 28.307-2 Liability, during the entire period of performance under this contract. Provide other insurance coverage as required by State Portugal Guam Diego Garcia BIOT law.

1.6 SUPERVISION

1.6.1 Superintendent Qualifications

Provide project superintendent with a minimum of 10 years experience in construction with at least 5 of those years as a superintendent on projects similar in size and complexity. The individual must be familiar with the requirements of EM 385-1-1 and have experience in the areas of hazard identification and safety compliance. The individual must be capable of interpreting a critical path schedule and construction drawings. The qualification requirements for the alternate superintendent are the same as for the project superintendent. The Contracting Officer may request proof of the superintendent's qualifications at any point in the project if the performance of the superintendent is in question.

For projects where the superintendent is permitted to also serve as the Quality Control (QC) Manager as established in Section 01 45 00 QUALITY CONTROL, the superintendent must have qualifications in accordance with that section.

1.6.2 Minimum Communication Requirements

Have at least one qualified superintendent, or competent alternate, capable of reading, writing, and conversing fluently in the English language, on the job-site at all times during the performance of Contract work. In addition, if a Quality Control (QC) representative is required on the Contract, then that individual must also have fluent English communication skills.

1.6.3 Duties

The project superintendent is primarily responsible for managing subcontractors and coordinating day-to-day production and schedule adherence on the project. The superintendent is required to attend Red Zone meetings, partnering meetings, and quality control meetings. The superintendent or qualified alternative must be on-site at all times during the performance of this contract until the work is completed and accepted.

1.6.4 Non-Compliance Actions

The Project Superintendent is subject to removal by the Contracting Officer for non-compliance with requirements specified in the contract and for failure to manage the project to ensure timely completion. Furthermore, the Contracting Officer may issue an order stopping all or part of the work until satisfactory corrective action has been taken. No part of the time lost due to such stop orders is acceptable as the subject of claim for extension of time for excess costs or damages by the

Contractor.

1.7 PRECONSTRUCTION MEETING CONFERENCE

Immediately after award or upon completion of design and design acceptance by the Government, Upon completion of design and design acceptance by the government, prior to commencing any work at the site, coordinate with the Contracting Officer a time and place to meet for the Preconstruction Meeting Conference. The meeting conference must take place within 35 calendar days after award of the contract, but prior to commencement of any work at the site. The purpose of this meeting conference is to discuss and develop a mutual understanding of the administrative requirements of the Contract including but not limited to: daily reporting, invoicing, value engineering, safety, base-access, outage requests, hot work permits, schedule requirements, quality control, schedule of prices or earned value report, shop drawings, submittals, cybersecurity, prosecution of the work, government acceptance, final inspections and contract close-out. Contractor must present and discuss their basic approach to scheduling the construction work and any required phasing.

1.7.1 Attendees

Contractor attendees must include the Project Manager, Superintendent, Site Safety and Health Officer (SSHO), Quality Control Manager and major subcontractors.

1.8 POST AWARD KICKOFF (PAK) MEETING

Immediately after award, coordinate with the Contracting Officer a time and place for the PAK Meeting. The PAK meeting must be held within 35 calendar days after contract award and prior to commencing work. If mutually agreed upon by the Contractor and the Government, the PAK Meeting may be held concurrently with the Design Presentation/Design Development Meeting or Concept Design Workshop (CDW) whichever is required.

1.8.1 PAK Meeting Outcomes

- a. Integrate the Contractor and all client representatives into the project team.
- b. Achieve consensus from the project team on any issues and concerns with the Contractor's technical proposal and the User's functional requirements.
- c. Review the administrative requirements of the contract that are critical during the design phase.
- d. Establish clear lines of communication and points of contact for Government and Contractor team members.
- e. Obtain an acceptable conceptual design including floor and site plans, signed by the client, Contractor and other key team members.
- f. Review the project design schedule and design package requirement, design submittal packaging, and preliminary construction schedule in accordance with Section 01 32 01.00 10 PROJECT SCHEDULE. Discuss design milestones and events that will be included in the Quality

Control Communication Plan.

- g. Establish clear expectations and schedules for facility turnover, eOMSI submittals, Guiding Principle Validation, Third Party Certification (if applicable), and training of Government maintenance personnel.
- h. Establish procedure for design packages reviews, Contractor's resolution to comments, and Government's role in review of packages.

1.8.2 PAK Meeting Contractor Attendees

The following Contractor personnel must attend the PAK meeting; Project Manager, Project Scheduler, Lead Designer-of-Record (DOR), Design Staff responsible for each architectural/engineering discipline when facility design is discussed, Superintendent, QC Manager, and the DQC Manager. Optional attendees include: Principal, Assistant Project Manager, major subcontractors and specialized supplemental QC personnel.

1.9 Required Electronic Payrolls

CONTRACTOR SUPPLY AND USE OF ELECTRONIC SOFTWARE FOR PROCESSING
DAVIS-BACON ACT CERTIFIED PAYROLLS:

- a. The contractor will use a commercially available electronic system to process and submit certified payrolls electronically to the Government. The Davis-Bacon Act establishes the requirements for preparing, processing, and providing certified labor payrolls.
- b. The contractor shall be responsible for obtaining and providing access for all licenses and other services required to provide for receipt, processing, certifying, electronically transmitting to the Government, and storing weekly payrolls and other data required for the contractor to comply with Davis-Bacon Act and related statutes. When the contractor uses an electronic Davis-Bacon Act payroll service, it shall be used to prepare, process, and maintain the relevant payrolls and basic records for all work under the construction contract. The electronic payroll service shall be capable of preserving the payroll and related basic records for the required three years after contract completion. The contractor shall obtain and provide electronic system access including electronic review to the Government, as required to comply with the Davis-Bacon Act and related statutes through the duration of the construction contract.
- c. The contractor's provision and use of an electronic payroll processing system shall meet the following basic functional criteria:
 - (1) commercially available;
 - (2) compliant with appropriate Davis-Bacon Act payroll provisions in the FAR;
 - (3) able to accommodate the required number of employees and subcontractors that will be employed under the contract;
 - (4) capable of producing an Excel spreadsheet-compatible electronic output of weekly payroll records for export into an Excel spreadsheet to be imported into the contractor's mode of Resident Management System 3.0 or as applicable;

- (5) demonstrated security of data and data entry rights;
 - (6) able to produce contractor-certified electronic versions of weekly payroll data;
 - (7) able to identify erroneous entries and track the date/time of all versions of the certified Davis-Bacon Act payrolls submitted to the government over the life of the contract;
 - (8) able to grant read only rights for Government personnel to view, check & print as needed;
 - (9) capable of generating a durable record copy in a Compact Disc (CD) or Digital Versatile Disc (DVD) and Portable Document Format (PDF) file record of data from the system database at the end of the contract closeout. This durable record copy of data from the electronic payroll processing system shall be provided to the Government during contract closeout.
- d. All contractor-incurred costs related to the contractor's provision and use of an electronic payroll processing service shall be included in the contractor's price for the overall work under the contract. The costs for Davis-Bacon Act compliance using electronic payroll processing services shall not be a separately bid or reimbursed item under this contract.

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

Not used.

-- End of Section --

SECTION 01 32 01.00 10

PROJECT SCHEDULE
08/23, CHG 1: 08/24

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

AACE INTERNATIONAL (AACE)

AACE 29R-03	(2011) Forensic Schedule Analysis
AACE 52R-06	(2006) Time Impact Analysis - As Applied in Construction
AACE 84R-13	(2015) Planning and Accounting for Adverse Weather

AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE)

ASCE 67-17	(2017) Schedule Delay Analysis

U.S. ARMY CORPS OF ENGINEERS (USACE)

ER 1-1-11	(2017) Administration -- Project Schedules

1.2 SUBMITTALS

Government approval is required for submittals with a "G" or "S" classification. Submittals not having a "G" or "S" classification are for Contractor Quality Control approval. Submittals not having a "G" or "S" classification are for information only. When used, a code following the "G" classification identifies the office that will review the submittal for the Government. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

- Project Scheduler Qualifications; G,
- Preliminary Project Schedule; G,
- Initial Project Schedule; G,
- Periodic Schedule Update; G,

1.3 PROJECT SCHEDULER QUALIFICATIONS

Designate an authorized representative to be responsible for the preparation of the schedule and all required updating and production of reports. The Designated Project Scheduler must have prepared and maintained at least three previous construction schedules for projects of similar size and complexity to this contract, using Primavera P6..

Representative must have a comprehensive knowledge of CPM scheduling principles and application.

PART 2 PRODUCTS

2.1 SOFTWARE

The scheduling software utilized to produce and update the schedules required herein must be capable of meeting all requirements of this specification.

2.1.1 Government Default Software

The Government uses Primavera P6. Ensure exported schedule files are compatible with the version of P6 used by the Government.

2.1.2 Contractor Software

Scheduling software used by the contractor must be commercially available from the software vendor for purchase with vendor software support agreements available. The software routine used to create the required sdef file must be created and supported by the software manufacturer.

2.1.2.1 Primavera

If Primavera P6 is selected for use, provide the "xer" export file in a version of P6 importable by the Government system.

2.1.2.2 Other Than Primavera

If the Contractor chooses software other than Primavera P6, that is compliant with this specification, provide for the Government's use two licenses, two computers, and training for two Government employees in the use of the software. These computers will be stand-alone and not connected to Government network. Computers and licenses will be returned at project completion.

PART 3 EXECUTION

3.1 GENERAL REQUIREMENTS

Prepare for approval a Project Schedule, as specified herein, pursuant to FAR Clause 52.236-15 Schedules for Construction Contracts. Show in the schedule the proposed sequence to perform the work and dates contemplated for starting and completing all schedule activities. The scheduling of the entire project is required. The scheduling of design and construction is the responsibility of the Contractor. Contractor management personnel must actively participate in its development. Designers, Subcontractors, and suppliers working on the project must also contribute in developing and maintaining an accurate Project Schedule. Provide a schedule that is a forward planning as well as a project monitoring tool. Use the Critical Path Method (CPM) of network calculation to generate all Project Schedules. Prepare each Project Schedule using the Precedence Diagram Method (PDM).

3.2 BASIS FOR PAYMENT AND COST LOADING

The schedule is the basis for determining contract earnings during each update period and therefore the amount of each progress payment. The

aggregate value of all activities coded to a contract CLIN must equal the value of the CLIN. Match the progress payment "Pay Period Thru" date in RMS to the schedule data date.

3.2.1 Activity Cost Loading

Activity cost loading must be reasonable and without front-end loading. Activities with a negative cost loading is not allowed. Provide additional documentation to demonstrate reasonableness if requested by the Contracting Officer.

3.2.2 Withholdings / Payment Rejection

Failure to meet the requirements of this specification may result in the disapproval of the preliminary, initial, or periodic schedule updates and subsequent rejection of payment requests until compliance is met.

In the event that the Contracting Officer directs schedule revisions and those revisions have not been included in subsequent Project Schedule revisions or updates, the Contracting Officer may withhold 10 percent of pay request amount from each payment period until such revisions to the project schedule have been made.

3.3 PROJECT SCHEDULE DETAILED REQUIREMENTS

3.3.1 Level of Detail Required

Develop the Project Schedule to the appropriate level of detail to address major milestones and to allow for satisfactory project planning and execution. Failure to develop the Project Schedule to an appropriate level of detail will result in its disapproval. The Contracting Officer will consider, but is not limited to, the following characteristics and requirements to determine appropriate level of detail:

3.3.2 Activity Durations

Reasonable activity durations are those that allow the progress of ongoing activities to be accurately determined between update periods. Non-procurement activities Original Durations (OD) are not to exceed 20 workdays or 30 calendar days.

3.3.3 Design and Permit Activities

Include design and permit activities with the necessary conferences and follow-up actions and design package submission dates. Include the design schedule in the project schedule, showing the sequence of events involved in carrying out the project design tasks within the specific contract period. Provide a detailed level of scheduling sufficient to identify all major design tasks, including those that control the flow of work. Also include review and correction periods associated with each item.

3.3.4 Procurement Activities

Include in the schedule activities associated with the critical submittals and their approvals, procurement, fabrication, and delivery of long lead materials, equipment, fabricated assemblies, and supplies. Long lead procurement activities are those with an anticipated procurement sequence of over 90 calendar days.

3.3.5 Mandatory Activities

Include the following activities in the initial project schedule and all updates.

- a. Submission, review and acceptance of SD-01 Preconstruction Submittals (individual activity for each).
- b. Submission, review and acceptance of features requiring design completion Submission, review and acceptance of design packages.
- c. Submission of mechanical/electrical/information systems layout drawings.
- d. Submission and approval of O & M manuals.
- e. Submission and approval of as-built drawings.
- f. Submission and approval of DD1354 data and installed equipment lists.
- g. Submission and approval of testing and air balance (TAB).
- h. Submission of TAB specialist design review report.
- i. Submission and approval of fire protection specialist.
- j. Submission and approval of Building Commissioning Plan, Controls testing plan, test data, and reports: Develop the schedule logic associated with testing and commissioning of mechanical systems to a level of detail consistent with the contract commissioning requirements. All tasks associated with building testing and commissioning will be completed prior to submission of building commissioning report and subsequent contract completion.

These activities may include but are not limited to: air and water balancing, building commissioning -functional performance testing, controls testing, and performance verification testing. Include other systems testing, if required. Include additional commissioning requirements noted elsewhere in the Contract as required in the schedule and discuss during the SEKO meeting, noted in paragraph SCHEDULING EXPECTATIONS KICKOFF MEETING (SEKO).

- k. Contractor's pre-final inspection.
- l. Correction of punch list from Contractor's pre-final inspection.
- m. Government's pre-final inspection.
- n. Correction of punch list from Government's pre-final inspection.
- o. Final inspection.
- p. Long procurement activities.
- q. Air and water balancing.
- r. Building commissioning - Functional Performance Training.
- s. Controls testing plan submission.

- t. Controls testing.
- u. Performance Verification testing.
- v. Other systems testing, if required.

3.3.6 Government Activities

Show in schedule, Government and other agency activities that could impact progress. These activities include, but are not limited to approvals, acceptance, design reviews, environmental permit approvals by State regulators, inspections, utility tie-in, Government Furnished Equipment (GFE) and Notice to Proceed (NTP) for phasing requirements.

3.3.7 Standard Activity Coding Dictionary

Use the activity coding structure defined in the Standard Data Exchange Format (SDEF) in ER 1-1-11. This exact structure is mandatory. Develop and assign all Activity Codes to activities as detailed herein.

The SDEF format is as follows:

Field	Activity Code	Length	Description
1	WRKP	3	Workers per day
2	RESP	4	Responsible party
3	AREA	4	Area of work
4	MODF	6	Modification Number
5	BIDI	6	Bid Item (CLIN)
6	PHAS	2	Phase of work
7	CATW	1	Category of work
8	FOW	20	Feature of work*
*Some systems require that FEATURE OF WORK values be placed in several activity code fields. The notation shown is for Primavera P6. Refer to the specific software guidelines with respect to the FEATURE OF WORK field requirements.			

3.3.7.1 Workers Per Day (WRKP)

Assign Workers per Day for all field construction or direct work activities, if directed by the Contracting Officer. Workers per day is based on the average number of workers expected each day to perform a task for the duration of that activity.

3.3.7.2 Responsible Party Coding (RESP)

Assign responsibility code for all activities to the Prime Contractor, Subcontractor(s) or Government agency(ies) responsible for performing the activity.

- a. Activities coded with a Government Responsibility code include, but are not limited to: Government approvals, Government design reviews, environmental permit approvals by State regulators, Government Furnished Property/Equipment (GFP) and Notice to Proceed (NTP) for phasing requirements.
- b. Activities cannot have more than one Responsibility Code. Examples of acceptable activity code values are: DOR (for the designer of record); ELEC (for the electrical subcontractor); MECH (for the mechanical subcontractor); and GOVT (for USACE).

3.3.7.3 Area of Work Coding (AREA)

Assign Work Area code to activities based upon the work area in which the activity occurs. Define work areas based on resource constraints or space constraints that would preclude a resource, such as a particular trade or craft work crew from working in more than one work area at a time due to restraints on resources or space. Examples of Work Area Coding include different areas within a floor of a building, different floors within a building, and different buildings within a complex of buildings. Activities cannot have more than one Work Area Code.

3.3.7.4 Modification Number (MODF)

Assign a Modification Number Code to any activity or sequence of activities added to the schedule as a result of a Contract Modification, when approved by Contracting Officer. Key all Code values to the Government's modification numbering system. An activity can have only one Modification Number Code.

3.3.7.5 Bid Item Coding (BIDI)

Assign a Bid Item Code to all activities using the Contract Line Item Number (CLIN) to which the activity belongs, even when an activity is not cost loaded. An activity can have only one BIDI Code.

3.3.7.6 Phase of Work Coding (PHAS)

Assign Phase of Work Code to all activities. Examples of phase of work are design phase, procurement phase and construction phase. Each activity can have only one Phase of Work code.

- a. Code proposed fast track design and construction phases proposed to allow filtering and organizing the schedule by fast track design and construction packages.
- b. If the contract specifies phasing with separately defined performance periods, identify a Phase Code to allow filtering and organizing the schedule accordingly.

3.3.7.7 Category of Work Coding (CATW)

Assign a Category of Work Code to all activities. Category of Work Codes

include, but are not limited to design, design submittal, design reviews, review conferences, permits, construction submittal, procurement, fabrication, weather sensitive installation, non-weather sensitive installation, start-up, and testing activities. Each activity can have no more than one Category of Work Code.

3.3.7.8 Feature of Work Coding (FOW)

Assign a Feature of Work Code to appropriate activities based on the Definable Feature of Work to which the activity belongs based on the approved QC plan.

Definable Feature of Work is defined in Section 01 45 00 QUALITY CONTROL. An activity can have only one Feature of Work Code.

3.3.8 Contract Milestones and Constraints

Milestone activities are to be used for significant project events including, but not limited to, project phasing, project start and end activities, or interim completion dates. The use of artificial float constraints such as "zero free float" or "zero total float" are prohibited.

Mandatory constraints that ignore or affect network logic are prohibited. No constrained dates are allowed in the schedule other than those specified herein. Submit additional constraints to the Contracting Officer for approval on a case by case basis.

3.3.8.1 Project Start Date Milestone and Constraint

The first activity in the project schedule must be a start milestone titled "NTP Acknowledged," which must have a "Start On" constraint date equal to the date that the NTP is acknowledged.

3.3.8.2 End Project Finish Milestone and Constraint

The last activity in the schedule must be a finish milestone titled "End Project."

Constrain the project schedule to the Contract Completion Date in such a way that if the schedule calculates an early finish, then the float calculation for "End Project" milestone reflects positive float on the longest path. If the project schedule calculates a late finish, then the "End Project" milestone float calculation reflects negative float on the longest path.

3.3.8.3 Interim Completion Dates and Constraints

Constrain contractually specified interim completion dates to show negative float when the calculated late finish date of the last activity in that phase is later than the specified interim completion date.

3.3.8.3.1 Start Phase

Use a start milestone as the first activity for a project phase. Call the start milestone "Start Phase X" where "X" refers to the phase of work.

3.3.8.3.2 End Phase

Use a finish milestone as the last activity for a project phase. Call the finish milestone "End Phase X" where "X" refers to the phase of work.

3.3.9 Adverse Weather

Ensure anticipated adverse weather is accounted for in the Project Schedule. AACE 84R-13 provides methodologies for techniques in planning for adverse weather. The preferred methodology is the use of a weather calendar. If a method other than a weather calendar is proposed, discuss the reason during the SEKO meeting.

Paragraph applicable to contracts with clause entitled TIME EXTENSIONS FOR UNUSUALLY SEVERE WEATHER. Reflect the number of anticipated adverse weather delays allocated to a weather sensitive activity in the activity's calendar.

3.3.10 Calendars

Schedule activities on a Calendar to which the activity logically belongs. Develop calendars to accommodate any contract defined work period such as a 7-day calendar for Government Acceptance activities, concrete cure times, etc. Develop the default Calendar to match the physical work plan with non-work periods identified including weekends and holidays. Develop Seasonal Calendar(s) and assign to seasonally affected activities as applicable.

If a weather calendar is used its implementation and execution is to be in accordance with AACE 84R-13.

If an activity is weather sensitive it should be assigned to a calendar showing non-work days on a monthly basis, with the non-work days selected at random across the weeks of the calendar, using the anticipated days provided in the contract clause TIME EXTENSIONS FOR UNUSUALLY SEVERE WEATHER. Assign non-work days over a seven-day week as weather records are compiled on seven-day weeks, which may cause some of the weather related non-work days to fall on weekends.

3.3.11 Open Ended Logic

Only two open ended activities are allowed: the first activity "NTP Acknowledged" is to have no predecessor logic, and the last activity -"End Project" is to have no successor logic. Except as noted above, each activity must have at least a start-to-start or finish-to-start relationship with its predecessor and a finish-to-finish or finish-to-start relationship with its successor.

Predecessor open ended logic may be allowed in a time impact analyses upon the Contracting Officer's approval.

3.3.12 Default Progress Data Disallowed

Actual Start and Finish dates must not automatically update with default mechanisms included in the scheduling software. Updating of the percent complete and the remaining duration of any activity must be independent functions. Disable program features that calculate one of these parameters from the other. Activity Actual Start (AS) and Actual Finish (AF) dates assigned during the updating process must match those dates

provided in the Contractor Quality Control Reports. Failure to document the AS and AF dates in the Daily Quality Control report will result in disapproval of the Contractor's schedule.

3.3.13 Out-of-Sequence Progress

Activities that have progressed before all preceding logic has been satisfied (Out-of-Sequence Progress) will be allowed only on a case-by-case basis subject to approval by the Contracting Officer. Propose logic corrections to eliminate out of sequence progress or justify not changing the sequencing for approval prior to submitting an updated project schedule. Address out of sequence progress or logic changes in the Narrative Report and in the periodic schedule update meetings.

3.3.14 Added and Deleted Activities

Do not delete activities from the project schedule or add new activities to the schedule without approval from the Contracting Officer. Activity ID and description changes are considered new activities and cannot be changed without Contracting Officer approval.

3.3.15 Original Durations

Activity Original Durations (OD) must be reasonable to perform the work item. OD changes are prohibited unless justification is provided and approved by the Contracting Officer.

3.3.16 Leads, Lags, and Start to Finish Relationships

Lags must be reasonable as determined by the Government and not used in place of realistic original durations, must not be in place to artificially absorb or create float, or to replace proper schedule logic.

- a. Leads (negative lags) are prohibited.
- b. Start to Finish (SF) relationships are prohibited.

3.3.17 Retained Logic

Schedule calculations must retain the logic between predecessors and successors ("retained logic" mode) even when the successor activity(s) starts and the predecessor activity(s) has not finished (out-of-sequence progress). Software features that in effect sever the tie between predecessor and successor activities when the successor has started and the predecessor logic is not satisfied ("progress override") are not be allowed.

3.3.18 Percent Complete

Update the percent complete for each activity started, based on the realistic assessment of earned value. Activities which are complete but for remaining minor punch list work and which do not restrain the initiation of successor activities may be declared 100 percent complete to allow for proper schedule management. Budgeted cost of activity is to be reduced by the amount needed to correct deficiency. The activity referenced in paragraph COST LOADING of CLOSEOUT ACTIVITIES must have its budgeted cost increased by this amount.

3.3.19 Remaining Duration

Update the remaining duration for each activity based on the number of estimated workdays it will take to complete the activity. Remaining duration may not mathematically correlate with percentage found under paragraph entitled Percent Complete. The remaining duration for unstarted activities are not to be less than its original duration.

3.3.20 Cost Loading of Closeout Activities

Cost load the "Correction of punch list from Government pre-final inspection" activity(ies) not less than 1 percent of the present contract value. Activity(ies) may be declared 100 percent complete upon the Government's verification of completion and correction of all punch list work identified during Government pre-final inspection(s).

3.3.20.1 As-Built Drawings

If there is no separate contract line item (CLIN) for as-built drawings, cost load the "Submission and approval of as-built drawings" activity not less than \$35,000 or 1 percent of the present contract value, which ever is greater, up to \$200,000. Activity will be declared 100 percent complete upon the Government's approval.

3.3.20.2 O & M Manuals

Cost load the "Submission and approval of O & M manuals" activity not less than \$20,000. Activity will be declared 100 percent complete upon the Government's approval of all O & M manuals.

3.3.21 Early Completion Schedule and the Right to Finish Early

An Early Completion Schedule is an Initial Project Schedule (IPS) that indicates all scope of the required contract work will be completed before the contractually required completion date.

- a. No IPS indicating an Early Completion will be accepted without being fully resource-loaded (including crew sizes and manhours) and the Government agreeing that the schedule is reasonable and achievable.
- b. The Government is under no obligation to accelerate work items it is responsible for to ensure that the early completion is met nor is it responsible to modify incremental funding (if applicable) for the project to meet the contractor's accelerated work.

3.4 PROJECT SCHEDULE SUBMISSIONS

Provide the submissions as described below. The data reports and network diagrams required for each submission are contained in paragraph SUBMISSION REQUIREMENTS. If the Contractor fails or refuses to furnish the information and schedule updates as set forth herein, the Contractor will be deemed not to have provided an estimate upon which a progress payment can be made.

Review comments made by the Government on the schedule(s) do not relieve the Contractor from compliance with requirements of the Contract Documents.

3.4.1 Preliminary Project Schedule Submission

Within 15 calendar days after the NTP is acknowledged, submit the Preliminary Project Schedule defining the planned operations detailed for the first 90 calendar days for approval. The approved Preliminary Project Schedule will be used for payment purposes not to exceed 90 calendar days after NTP. Completely cost load the Preliminary Project Schedule to balance the contract award CLINS shown on the Price Schedule. The Preliminary Project Schedule may be summary in nature for the remaining performance period. It must be early start and late finish constrained and logically tied as specified. The Preliminary Project Schedule forms the basis for the Initial Project Schedule specified herein and must include all of the required plan and program preparations, submissions and approvals identified in the contract (for example, Quality Control Plan, Safety Plan, and Environmental Protection Plan) as well as design activities, planned submissions of all early design packages, permitting activities, design review conference activities, and other non-construction activities intended to occur within the first 90 calendar days. Government acceptance of the associated design package(s) and all other specified Program and Plan approvals must occur prior to any planned construction activities. Code activities that are summary in nature, after the first 90 calendar days, with the following activity codes: Bid Item (CLIN) code (BIDI), Responsibility Code (RESP), and Feature of Work code (FOW)..

3.4.2 Initial Project Schedule Submission

Submit the Initial Project Schedule for approval within 42 calendar days after notice to proceed is issued. The schedule must demonstrate a reasonable and realistic sequence of activities which represent all work through the entire contract performance period. Include in the design-build schedule detailed design and permitting activities, including but not limited to identification of individual design packages, design submission, reviews and conferences; permit submissions and any required Government actions; and long lead item acquisition prior to design completion. Also cover in the initial design-build schedule the entire construction effort with as much detail as is known at the time but, as a minimum, include all construction start and completion milestones, and detailed construction activities through the dry-in, including all activity coding and cost loading. Include the remaining construction, including cost loading, but it may be scheduled summary in nature. As the design proceeds and design packages are developed, fully detail the remaining construction activities concurrent with the monthly schedule updating process. Constrain construction activities by Government acceptance of associated designs. When the design is complete, incorporate into the then approved schedule update all remaining detailed construction activities that are planned to occur after the dry-in milestone. No payment will be made for work items not fully detailed in the Project Schedule.

3.4.2.1 Design Package Schedule Submission

With each design package submitted to the Government, submit a fragment schedule extracted from the then current Preliminary, Initial or Updated schedule which covers the activities associated with that Design Package including construction, procurement and permitting activities.

3.4.3 Periodic Schedule Updates

Update the Project Schedule on a regular basis, monthly at a minimum. Provide a draft Periodic Schedule Update for review at the schedule update meetings as prescribed in the paragraph PERIODIC SCHEDULE UPDATE MEETINGS. These updates will enable the Government to assess Contractor's progress. Update the schedule to include detailed construction activities as the design progresses, but not later than the submission of the final un-reviewed design submission for each separate design package. The Contracting Officer may require submission of detailed schedule activities for any distinct construction that is started prior to submission of a final design submission if such activity is authorized.

- a. Update information including Actual Start Dates (AS), Actual Finish Dates (AF), Remaining Durations (RD), and Percent Complete. Updated information is subject to the approval of the Government at the meeting.
- b. AS and AF dates must match the date(s) reported on the Contractor's Quality Control Report for an activity start or finish.

3.5 SUBMISSION REQUIREMENTS

Submit the following items for the Preliminary Schedule, Initial Schedule, and every Periodic Schedule Update throughout the life of the project:

3.5.1 Electronic Scheduling Data

Provide electronic scheduling data containing the current project schedule and all previously submitted schedules in the format of the scheduling software (e.g. .xer). Also include the Narrative Report and all required Schedule Reports. The electronic file is to identify the type of schedule (Preliminary, Initial, Update), full contract number, Data Date and schedule file name. Each schedule must have a unique file name and use project specific settings. The file naming convention is to be determined at SEKO meeting.

3.5.2 Narrative Report

Provide a Narrative Report with each schedule submission. The Schedule Narrative Report is a "stand alone" report in PDF or Word format. Title the report "Schedule Narrative Report". Show the Report date, schedule name, and contract number on the first page. Indicate who is responsible for the schedule update and narrative report. Provide a brief description of the Project Scope. The Narrative Report is expected to communicate to the Government the thorough analysis of the schedule output and the plans to compensate for problems, either current or potential, which are revealed through that analysis. Include the following information at a minimum in the Narrative Report:

- a. Identify and discuss the work scheduled to start in the next update period.
- b. Describe activities along the critical path in addition to activities on the next float path after the critical path.
- c. Describe current and anticipated problem areas, delaying factors and their impact, and an explanation of corrective actions taken or required to be taken. Identify the party responsible for delay, if

applicable.

- d. Identify and explain why activities, based on their calculated late dates, should have either started or finished during the update period but did not.
- e. Identify and discuss all schedule changes by activity ID and activity name including what specifically was changed and why the change was needed. Include at a minimum new and deleted activities, logic changes, duration changes, calendar changes, lag changes, resource changes, and actual start and finish date changes.
- f. Identify and discuss out-of-sequence work.
- g. If the longest path changes from a monthly update to the next, provide an explanation of the factors driving the change.
- h. Respond to USACE Schedule Review Comments from the previous update(s).

3.5.3 Schedule Reports

The format, filtering, organizing, and sorting for each schedule report will be as directed by the Contracting Officer. Typically, reports contain Activity Numbers, Activity Description, Original Duration, Remaining Duration, Early Start Date, Early Finish Date, Late Start Date, Late Finish Date, Total Float, Actual Start Date, Actual Finish Date, and Percent Complete. Provide the reports electronically in .pdf format. The following lists typical reports that will be requested:

3.5.3.1 Activity Report

List of all activities sorted according to activity number.

3.5.3.2 Logic Report

List of detailed predecessor and successor activities for every activity in ascending order by activity number.

3.5.3.3 Total Float Report

A list of all incomplete activities sorted in ascending order of total float. List activities which have the same amount of total float in ascending order of Early Start Dates. Do not show completed activities on this report.

3.5.3.4 Earnings Report by CLIN

A compilation of the Total Earnings on the project from the NTP to the data date, which reflects the earnings of activities based on the agreements made in the schedule update meeting defined herein. Provided a complete schedule update has been furnished, this report serves as the basis of determining progress payments. Group activities by CLIN number and sort by activity number. Provide a total CLIN percent earned value, CLIN percent complete, and project percent complete. The printed report must contain the following for each activity: the Activity Number, Activity Description, Original Budgeted Amount, Earnings to Date, Earnings this period, Total Quantity, Quantity to Date, and Percent Complete (based on cost).

3.5.3.5 Scheduling and Leveling Report

Provide a Scheduling/Leveling Report generated from the current project schedule being submitted.

3.5.4 Network Diagram

The Network Diagram is required for the Preliminary, Initial and Periodic Updates. Depict and display the order and interdependence of activities and the sequence in which the work is to be accomplished. The Contracting Officer will use, but is not limited to, the following conditions to review compliance with this paragraph:

3.5.4.1 Continuous Flow

Show a continuous flow from left to right with no arrows from right to left. Show the activity number, description, duration, and estimated earned value on the diagram.

3.5.4.2 Project Milestone Dates

Show dates on the diagram for start of project, any contract required interim completion dates, and contract completion dates.

3.5.4.3 Critical Path

Show all activities on the critical path. The critical path is defined as the longest path.

3.5.4.4 Grouping and Sorting

Group and sort activities as directed to assist in the understanding of the activity sequence. Typically, this flow will group activities by major elements of work, category of work, work area and/or responsibility.

3.5.4.5 Cash Flow / Schedule Variance Control (SVC) Diagram

With each schedule submission, provide a SVC diagram showing 1) Cash Flow S-Curves indicating planned project cost based on projected early and late activity finish dates, and 2) Earned Value to-date.

3.6 PERIODIC SCHEDULE UPDATE

3.6.1 Periodic Schedule Update Meetings

Conduct periodic schedule update meetings for the purpose of reviewing the proposed Periodic Schedule Update, Narrative Report, Schedule Reports, and progress payment. Conduct meetings at least monthly within five days of the proposed schedule data date. Provide a computer with the scheduling software loaded and a projector which allows all meeting participants to view the proposed schedule during the meeting. The Contractor's authorized scheduler must organize, group, sort, filter, perform schedule revisions as needed and review functions as requested by the Contractor and/or Government. The Contractor scheduler must attend in person unless virtual attendance is approved by Contracting Officer. The meeting is a working interactive exchange which allows the Government and Contractor the opportunity to review the updated schedule on a real time and interactive basis. The meeting will last no longer than 8 hours. Submit schedule file and narrative to the Government a minimum of two workdays in

advance of the meeting. The Contractor's Project Manager must attend the meeting with the authorized representative of the Contracting Officer. Superintendents, foremen and major subcontractors must attend the meeting as required to discuss the project schedule and work. Following the schedule update meeting, make corrections to the schedule and resubmit, following the required schedule naming convention. Include only those changes approved by the Government in the schedule review meeting. Only approved schedules may be used to generate invoices for payment.

3.6.2 Update Submission Following Progress Meeting

Submit the complete Periodic Schedule Update of the Project Schedule containing all approved progress, revisions, and adjustments, pursuant to paragraph SUBMISSION REQUIREMENTS not later than 4 workdays after the periodic schedule update meeting.

3.7 WEEKLY PROGRESS MEETINGS

Conduct a weekly meeting with the Government (or as otherwise mutually agreed to) between the meetings described in paragraph entitled PERIODIC SCHEDULE UPDATE MEETINGS for the purpose of jointly reviewing the actual progress of the project as compared to the as planned progress and to review planned activities for the upcoming two weeks. Use the current approved schedule update for the purposes of this meeting and for the production and review of reports. At the weekly progress meeting, address the status of RFIs, RFPs and Submittals.

3.8 REQUESTS FOR TIME EXTENSIONS

ASCE 67-17 provides delay analysis guidelines. If there is a conflict between the contract and guidance provided in ASCE 67-17, the contract will govern. Provide justification of delay to the Contracting Officer in accordance with the contract provisions and clauses for approval, within 10 days of a delay occurring. Also prepare a time impact analysis for each Government request for proposal (RFP).

3.8.1 Justification of Delay

Provide a description of the event(s) that caused the delay and/or impact to the work. As part of the description, identify all schedule activities impacted. Show that the event that caused the delay/impact was the responsibility of the Government. Provide a time impact analysis that demonstrates the effects of the delay or impact on the project completion date, or interim completion date(s). Evaluate multiple impacts chronologically; each with its own justification of delay. With multiple impacts consider any concurrency of delay. A time extension and the schedule fragnet becomes part of the project schedule and all future schedule updates upon approval by the Contracting Officer.

3.8.2 Changes That Do Not Cause Delay

If it is determined that a change does not constitute a schedule time extension, a fragnet as described in paragraph FRAGMENTARY NETWORK, is to be created and inserted into the Project schedule.

3.8.3 Time Impact Analysis (Prospective Analysis)

Submit requests for time extensions based on a prospective analysis if the work involved or the impact identified has not already occurred. Where

the impact is ongoing a prospective analysis may be considered. However, the Government reserves the right to require a retrospective analysis be prepared after the impact has ended.

Prepare a time impact analysis for approval by the Contracting Officer based on industry recommended practice AACE 52R-06. Utilize a copy of the last approved schedule prior to the first day of the impact or delay for the time impact analysis. If Contracting Officer determines the time frame between the last approved schedule and the first day of impact is too great, prepare an interim updated schedule to perform the time impact analysis. Unless approved by the Contracting Officer, no other changes may be incorporated into the schedule being used to justify the time impact.

3.8.4 Forensic Schedule Analysis (Retrospective Analysis)

Submit requests for time extensions based on a retrospective analysis if the work involved or the impact identified has already occurred. The analysis must account for the actual performance of both the impacted work and all other contract work in the schedule.

If a methodology is chosen from AACE 29R-03, the method must adhere to the principles identified in ASCE 67-17. If there is a conflict with the methodology chosen from AACE 29R-03 and ASCE 67-17, ASCE 67-17 will govern. Choice of methodology should be discussed prior to submission to Government.

3.8.5 Fragmentary Network (Fragnet)

Prepare a proposed fragnet for time impact analysis consisting of a sequence of new activities that are proposed to be added to the project schedule to demonstrate the influence of the delay or impact to the project's contractual dates. Clearly show how the proposed fragnet is to be tied into the project schedule including all predecessors and successors to the fragnet activities. The proposed fragnet must be approved by the Contracting Officer prior to incorporation into the project schedule.

3.8.6 Time Extension

The Contracting Officer must approve the Justification of Delay including the time impact analysis before a time extension will be granted. No time extension will be granted unless the delay consumes all available Project Float and extends the projected finish date ("End Project" milestone) beyond the Contract Completion Date. The time extension will be in calendar days.

Actual delays that are found to be caused by the Contractor's own actions, which result in a calculated schedule delay, are not a cause for an extension to the performance period, completion date, or any interim milestone date.

3.8.7 Impact to Early Completion Schedule

No extended overhead will be paid for delay prior to the original Contract Completion Date for an Early Completion IPS unless the Contractor actually performed work in accordance with that Early Completion Schedule. The Contractor must show that an early completion was achievable had it not been for the impact.

3.9 FAILURE TO ACHIEVE PROGRESS

Should the progress fall behind the approved project schedule for reasons other than those that are excusable within the terms of the contract, the Contracting Officer may require provision of a written recovery plan for approval. The plan must detail how progress will be made-up to include which activities will be accelerated by adding additional crews, longer work hours, extra workdays, etc.

3.9.1 Artificially Improving Progress

Artificially improving progress by means such as, but not limited to, revising the schedule logic, modifying, or adding constraints, shortening activity durations, or changing calendars in the project schedule is prohibited. Indicate assumptions made and the basis for any logic, constraint, duration, and calendar changes used in the creation of the recovery plan. Any additional resources, manpower, or daily and weekly work hour changes proposed in the recovery plan must be evident at the work site and documented in the daily report along with the Schedule Narrative Report.

3.9.2 Failure to Perform

Failure to perform work and maintain progress in accordance with the supplemental recovery plan may result in an interim and final unsatisfactory performance rating and may result in corrective action directed by the Contracting Officer pursuant to FAR 52.236-15 Schedules for Construction Contracts, FAR 52.249-10 Default (Fixed-Price Construction), and other contract provisions.

3.9.3 Recovery Schedule

Should the Contracting Officer find it necessary, submit a recovery schedule pursuant to FAR 52.236-15 Schedules for Construction Contracts.

3.10 OWNERSHIP OF FLOAT

Except for the provision given in the paragraph IMPACT TO EARLY COMPLETION SCHEDULE, float available in the schedule, at any time, belongs to the Project and is available for Contractor and Government use. This includes activity and project float. Activity float is the number of workdays that an activity can be delayed without causing a delay to the "End Project" finish milestone. Project float (if applicable) is the number of work days between the projected early finish and the "End Project" finish.

3.11 TRANSFER OF SCHEDULE DATA INTO RESIDENT MANAGEMENT SYSTEM

Ensure schedule data is uploaded to RMS. This data is additional supporting data in a form and detail required by the Contracting Officer pursuant to FAR 52.232-5 Payments under Fixed-Price Construction Contracts. The receipt of a proper payment request pursuant to FAR 52.232-27 Prompt Payment for Construction Contracts is contingent upon the Government receiving both acceptable and approvable hard copies and matching electronic versions of the application for progress payment.

3.12 PRIMAVERA P6 MANDATORY REQUIREMENTS

Ensure Primavera P6 settings provide a schedule capable of fulfilling the

requirements of the contract. The following settings are mandatory and required in all schedule submissions to the Government:

- a. Activity Codes must be Project Level, not Global or EPS level.
- b. Calendars must be Project Level, not Global or Resource level.
- c. Activity Duration Types must be set to "Fixed Duration & Units".
- d. Percent Complete Types must be set to "Physical".
- e. Time Period Admin Preferences must remain the default "8.0 hr/day, 40 hr/week, 172 hr/month, 2000 hr/year". Set Calendar Work Hours/Day to 8.0 Hour days.
- f. Set Schedule Option for defining Critical Activities to "Longest Path".
- g. Set Schedule Option for defining progressed activities to "Retained Logic".
- h. Set up cost loading using a single lump sum non-labor resource. The Price/Unit must be \$1/hr, Default Units/Time must be "8h/d", and settings "Auto Compute Actuals" and "Calculate costs from units" un-selected.
- i. Activity ID's must not exceed 10 characters.
- j. Activity Names must have a verb-noun structure and contain the most defining and detailed description within the first 30 characters.
- k. The daily ending hour for all work calendars must be the same.

-- End of Section --

SECTION 01 33 00

SUBMITTAL PROCEDURES
08/18, CHG 4: 02/21

PART 1 GENERAL

1.1 SUMMARY

1.1.1 Submittal Information

The Contracting Officer may request submittals in addition to those specified when deemed necessary to adequately describe the work covered in the respective sections. Each submittal is to be complete and in sufficient detail to allow ready determination of compliance with contract requirements.

Units of weights and measures used on all submittals are to be the same as those used in the contract drawings.

Each submittal is to be complete and in sufficient detail to allow ready determination of compliance with contract requirements.

Contractor's and the Designer of Record, if applicable, to check and approve all items prior to submittal and stamp, sign, and date indicating action taken. Proposed deviations from the contract requirements are to be clearly identified. Include within submittals items such as: Contractor's, manufacturer's, or fabricator's drawings; descriptive literature including (but not limited to) catalog cuts, diagrams, operating charts or curves; test reports; test cylinders; samples; O&M manuals (including parts list); certifications; warranties; and other such required submittals.

Submittals requiring Government approval are to be scheduled and made prior to the acquisition of the material or equipment covered thereby. Pick up and dispose of samples not incorporated into the work in accordance with manufacturer's Material Safety Data Sheets (MSDS) and in compliance with existing laws and regulations.

1.1.2 Submission of Submittals

Schedule and provide submittals requiring Government approval before acquiring the material or equipment covered thereby. Pick up and dispose of samples not incorporated into the work in accordance with manufacturer's Safety Data Sheets (SDS) and in compliance with existing laws and regulations.

1.2 DEFINITIONS

1.2.1 Submittal Descriptions (SD)

Submittal requirements are specified in the technical sections. Examples and descriptions of submittals identified by the Submittal Description (SD) numbers and titles follow:

SD-01 Preconstruction Submittals

Submittals that are required prior to or commencing with the start of work on site. Submittals that are required prior to or at the start of construction (work) or the next major phase of the construction on a multiphase contract.

Government approved Division 01 preconstruction submittals that are required prior to or commencing with the start of work must be submitted within 30 calendar days of contract award unless specified elsewhere in the specifications. Contractor approved Division 01 submittals that are required prior to or commencing with the start of work must be submitted within 45 calendar days of contract award unless specified elsewhere in the specifications.

Preconstruction Submittals include schedules and a tabular list of locations, features, and other pertinent information regarding products, materials, equipment, or components to be used in the work.

Certificates Of Insurance

Surety Bonds

List Of Proposed Subcontractors

List Of Proposed Products

Baseline Network Analysis Schedule (NAS)

Submittal Register

Schedule Of Prices Or Earned Value Report

Accident Prevention Plan

Work Plan

Quality Control (QC) plan

Environmental Protection Plan Explosive Safety Submission ESS Work Plan

SD-02 Shop Drawings

Drawings, diagrams and schedules specifically prepared to illustrate some portion of the work.

Diagrams and instructions from a manufacturer or fabricator for use in producing the product and as aids to the Contractor for integrating the product or system into the project.

Drawings prepared by or for the Contractor to show how multiple systems and interdisciplinary work will be coordinated.

SD-03 Product Data

Catalog cuts, illustrations, schedules, diagrams, performance charts, instructions and brochures illustrating size, physical appearance and other characteristics of materials, systems or equipment for some portion of the work.

Samples of warranty language when the contract requires extended product warranties.

SD-04 Samples

Fabricated or unfabricated physical examples of materials, equipment or workmanship that illustrate functional and aesthetic characteristics of a material or product and establish standards by which the work can be judged.

Color samples from the manufacturer's standard line (or custom color samples if specified) to be used in selecting or approving colors for the project.

Field samples and mock-ups constructed on the project site establish standards ensuring work can be judged. Includes assemblies or portions of assemblies that are to be incorporated into the project and those that will be removed at conclusion of the work.

SD-06 Test Reports

Report signed by authorized official of testing laboratory that a material, product or system identical to the material, product or system to be provided has been tested in accord with specified requirements. Unless specified in another section, testing must have been within three years of date of contract award for the project.

Report that includes findings of a test required to be performed on an actual portion of the work or prototype prepared for the project before shipment to job site.

Report that includes finding of a test made at the job site or on sample taken from the job site, on portion of work during or after installation.

Investigation reports

Daily logs and checklists

Final acceptance test and operational test procedure

SD-07 Certificates

Statements printed on the manufacturer's letterhead and signed by responsible officials of manufacturer of product, system or material attesting that the product, system, or material meets specification requirements. Must be dated after award of project contract and clearly name the project.

Document required of Contractor, or of a manufacturer, supplier, installer or Subcontractor through Contractor. The document purpose is to further promote the orderly progression of a portion of the work by documenting procedures, acceptability of methods, or personnel qualifications.

Confined space entry permits

Text of posted operating instructions

SD-08 Manufacturer's Instructions

Preprinted material describing installation of a product, system or material, including special notices and (SDS) concerning impedances, hazards and safety precautions.

SD-11 Closeout Submittals

Documentation to record compliance with technical or administrative requirements or to establish an administrative mechanism.

Submittals required for Guiding Principle Validation (GPV) or Third Party Certification (TPC).

Special requirements necessary to properly close out a construction contract. For example, Record Drawings and as-built drawings. Also, submittal requirements necessary to properly close out a major phase of construction on a multi-phase contract.

1.2.2 Approving Authority

Office or designated person authorized to approve the submittal.

1.2.3 Work

As used in this section, on-site and off-site construction required by contract documents, including labor necessary to produce submittals, construction, materials, products, equipment, and systems incorporated or to be incorporated in such construction. In exception, excludes work to produce SD-01 submittals.

1.3 SUBMITTALS

Government approval is required for submittals with a "G" or "S" classification. Submittals not having a "G" or "S" classification are for information only. When used, a code following the "G" classification identifies the office that will review the submittal for the Government. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

Submittal Register; G

1.4 SUBMITTAL CLASSIFICATION

1.4.1 Government Approved (G)

Government approval is required for extensions of design, critical materials, variations, equipment whose compatibility with the entire system must be checked, and other items as designated by the Government.

Government approval is required for any variations from the Solicitation or the Accepted Proposal and for other items as designated by the Government.

Within the terms of the Contract Clause SPECIFICATIONS AND DRAWINGS FOR CONSTRUCTION, submittals are considered to be "shop drawings."

1.4.2 Design-Build Submittal Classifications

1.4.2.1 Designer of Record Approved (DA)

Designer of Record (DOR) approval is required for extensions of design; critical materials; any variations from the Solicitation, the Accepted Proposal, or the completed design; equipment whose compatibility with the entire system must be checked; and other items as designated by the Contracting Officer. Provide the Government with the number of copies designated hereinafter of all DOR approved submittals. The Government may review any or all Designer of Record approved submittals for conformance with the Solicitation, the Accepted Proposal, and the completed design. The Government will review all submittals designated as varying from the Solicitation or Accepted Proposal, as described below. Provide design submittals in accordance with Section 01 10 12 DESIGN AFTER AWARD. Generally, list design submittals under SD-05 Design Data.

1.4.2.2 Government Conformance Review of Design (CR)

The Government will review all intermediate and final design submittals for conformance with the technical requirements of the Solicitation. Section 01 10 12 DESIGN AFTER AWARD covers the design submittal and review process in detail. Review will be only for conformance with the applicable codes, standards, and contract requirements. Design data includes the design documents described in Section 01 33 16.00 10 DESIGN DATA (DESIGN AFTER AWARD).

1.4.2.3 Designer of Record Approved/Government Conformance Review (DA/CR)

1.4.2.3.1 Variations from the Accepted Design

DOR approval and the Government's concurrence are required for any proposed variation from the accepted design that still complies with the contract before the Contractor is authorized to proceed with material acquisition or installation. If necessary to facilitate the project schedule, before official submission to the Government, the Contractor and the DOR may discuss with the Contracting Officer's Representative a submittal proposing a variation. However, the Government reserves the right to review the submittal before providing an opinion. In any case, the Government will not formally agree to or provide a preliminary opinion on any variation without the DOR's approval or recommended approval. The Government reserves the right to reject any design, variation that may affect furniture, furnishings, equipment selections, or operational decisions that were made, based on the reviewed and concurred design.

1.4.2.3.2 Substitutions

Unless prohibited or otherwise provided for elsewhere in the contract, where the Accepted Proposal named products, systems, materials or equipment by manufacturer, brand name, model number, or other specific identification, and the Contractor desires to substitute a manufacturer or model after award, submit a requested substitution for Government concurrence. Include substantiation, through identifying information and the DOR's approval, that the substitute meets the contract requirements and that it is equal in function, performance, quality, and salient features to that in the accepted contract proposal. If the contract otherwise prohibits substitutions of equal named products, systems, materials or equipment by manufacturer, brand name, model number or other specific identification, the request is considered a "variation" to the

contract. Variations are discussed below in paragraphs: "DESIGNER OF RECORD APPROVED/GOVERNMENT APPROVED" and VARIATIONS.

1.4.2.4 Designer of Record Approved/Government Approved (DA/GA)

In addition to the above-stated requirements for proposed variations to the accepted design, both DOR and Government Approval and, where applicable, a contract modification are required before the Contractor is authorized to proceed with material acquisition or installation for any proposed variation to the contract (the Solicitation or the Accepted Proposal), that constitutes a change to the contract terms. The Government reserves the right to accept or reject any such proposed variation.

1.4.3 For Information Only

Submittals not requiring Government approval will be for information only. For Design-build construction all submittals not requiring DOR or Government approval will be for information only. Within the terms of the Contract Clause SPECIFICATIONS AND DRAWINGS FOR CONSTRUCTION, they are not considered to be "shop drawings."

1.5 PREPARATION

1.5.1 Transmittal Form

Use the ENG Form 4025-R transmittal form for submitting both Government-approved and information-only submittals. Submit in accordance with the instructions on the reverse side of the form. These forms or similar forms are included in the RMS CM software that the Contractor is required to use for this contract. Properly complete this form by filling out all the heading blank spaces and identifying each item submitted. Exercise special care to ensure proper listing of the specification paragraph and sheet number of the contract drawings pertinent to the data submitted for each item.

1.5.2 Source Drawings for Shop Drawings

1.5.2.1 Source Drawings

The entire set of source drawing files (DWG) will not be provided to the Contractor. Request the specific Drawing Number for the preparation of shop drawings. Only those drawings requested to prepare shop drawings will be provided. These drawings are provided only after award.

1.5.2.2 Terms and Conditions

Data contained on these electronic files must not be used for any purpose other than as a convenience in the preparation of construction data for the referenced project. Any other use or reuse is at the sole risk of the Contractor and without liability or legal exposure to the Government. The Contractor must make no claim, and waives to the fullest extent permitted by law any claim or cause of action of any nature against the Government, its agents, or its subconsultants that may arise out of or in connection with the use of these electronic files. The Contractor must, to the fullest extent permitted by law, indemnify and hold the Government harmless against all damages, liabilities, or costs, including reasonable

attorney's fees and defense costs, arising out of or resulting from the use of these electronic files.

These electronic source drawing files are not construction documents. Differences may exist between the source drawing files and the corresponding construction documents. The Government makes no representation regarding the accuracy or completeness of the electronic source drawing files, nor does it make representation to the compatibility of these files with the Contractor hardware or software. The Contractor is responsible for determining if any conflict exists. In the event that a conflict arises between the signed and sealed construction documents prepared by the Government and the furnished source drawing files, the signed and sealed construction documents govern. Use of these source drawing files does not relieve the Contractor of the duty to fully comply with the contract documents, including and without limitation the need to check, confirm and coordinate the work of all contractors for the project. If the Contractor uses, duplicates or modifies these electronic source drawing files for use in producing construction data related to this contract, remove all previous indication of ownership (seals, logos, signatures, initials and dates).

1.5.3 Electronic File Format

Provide submittals in electronic format, with the exception of material samples required for SD-04 Samples items. In addition to the electronic submittal, provide three hard copies of the submittals. Compile the submittal file as a single, complete document, to include the Transmittal Form described within, and also separately attach the native files which were used to create PDF. The attached files should include the original digital files used to create the submittal. Name the electronic submittal file specifically according to its contents, and coordinate the file naming convention with the Contracting Officer. Electronic files must be of sufficient quality that all information is legible. Use PDF as the electronic format, unless otherwise specified or directed by the Contracting Officer. Generate PDF files from original documents with bookmarks so that the text included in the PDF file is searchable and can be copied. If documents are scanned, optical character resolution (OCR) routines are required. Index and bookmark files exceeding 30 pages to allow efficient navigation of the file. When required, the electronic file must include a valid electronic signature or a scan of a signature.

E-mail electronic submittal documents smaller than 10MB to an e-mail address as directed by the Contracting Officer. Provide electronic documents over 10 MB on an optical disc or through an electronic file sharing system such as the DOD SAFE Web Application located at the following website: <https://safe.apps.mil/>.

1.6 QUANTITY OF SUBMITTALS

1.6.1 Number of SD-01 Preconstruction Submittal Copies

Unless otherwise specified, submit two sets of administrative submittals.

1.6.2 Number of SD-02 Shop Drawing Copies

Submit six copies of submittals of shop drawings requiring review and approval by a QC organization. Submit seven copies of shop drawings requiring review and approval by the Contracting Officer.

1.6.3 Number of SD-03 Product Data Copies

Submit in compliance with quantity requirements specified for shop drawings.

1.6.4 Number of SD-04 Samples

- a. Submit two samples, or two sets of samples showing the range of variation, of each required item. One approved sample or set of samples will be retained by the approving authority and one will be returned to the Contractor.
- b. Submit one sample panel or provide one sample installation where directed. Include components listed in the technical section or as directed.
- c. Submit one sample installation, where directed.
- d. Submit one sample of nonsolid materials.

1.6.5 Number of SD-05 Design Data Copies

Submit in compliance with quantity requirements specified for shop drawings.

1.6.6 Number of SD-06 Test Report Copies

Submit in compliance with quantity and quality requirements specified for shop drawings, other than field test results that will be submitted with QC reports.

1.6.7 Number of SD-07 Certificate Copies

Submit in compliance with quantity requirements specified for shop drawings.

1.6.8 Number of SD-08 Manufacturer's Instructions Copies

Submit in compliance with quantity requirements specified for shop drawings.

1.6.9 Number of SD-09 Manufacturer's Field Report Copies

Submit in compliance with quantity and quality requirements specified for shop drawings other than field test results that will be submitted with QC reports.

1.6.10 Number of SD-10 Operation and Maintenance Data Copies

Submit five copies of O&M data to the Contracting Officer for review and approval.

1.6.11 Number of SD-11 Closeout Submittals Copies

Unless otherwise specified, submit two sets of administrative submittals.

1.7 INFORMATION ONLY SUBMITTALS

Normally submittals for information only will not be returned. Approval of

the Contracting Officer is not required on information only submittals. The Government reserves the right to require the Contractor to resubmit any item found not to comply with the contract. This does not relieve the Contractor from the obligation to furnish material conforming to the plans and specifications; will not prevent the Contracting Officer from requiring removal and replacement of nonconforming material incorporated in the work; and does not relieve the Contractor of the requirement to furnish samples for testing by the Government laboratory or for check testing by the Government in those instances where the technical specifications so prescribe. For Design-Build construction, the Government will retain two copies of information-only submittals.

1.8 PROJECT SUBMITTAL REGISTER

A sample Project Submittal Register showing items of equipment and materials for when submittals are required by the specifications is provided as "Attachment A - Submittal Register."

1.8.1 Submittal Management

Prepare and maintain a submittal register, as the work progresses. Do not change data that is output in columns (c), (d), (e), and (f) as delivered by Government; retain data that is output in columns (a), (g), (h), and (i) as approved. As an attachment, provide a submittal register showing items of equipment and materials for which submittals are required by the specifications. This list may not be all-inclusive and additional submittals may be required. Maintain a submittal register for the project in accordance with Section 01 45 00.15 10 RESIDENT MANAGEMENT SYSTEM CONTRACTOR MODE(RMS CM). The Government will provide the initial submittal register

Column (c): Lists specification section in which submittal is required.

Column (d): Lists each submittal description (SD Number. and type, e.g., SD-02 Shop Drawings) required in each specification section.

Column (e): Lists one principal paragraph in each specification section where a material or product is specified. This listing is only to facilitate locating submitted requirements. Do not consider entries in column (e) as limiting the project requirements.

Column (f): Lists the approving authority for each submittal.

Thereafter, the Contractor is to track all submittals by maintaining a complete list, including completion of all data columns and all dates on which submittals are received by and returned by the Government.

1.8.2 Design-Build Submittal Register

The Designer of Record develops a complete list of submittals during design and identify required submittals in the specifications, and use the list to prepare the Submittal Register. The list may not be all inclusive and additional submittals may be required by other parts of the contract. Complete the submittal register and submit it to the Contracting Officer for approval within 30 calendar days after Notice to Proceed. The approved submittal register will serve as a scheduling document for

submittals and will be used to control submittal actions throughout the contract period. Coordinate the submit dates and need dates with dates in the Contractor prepared progress schedule. Submit monthly or until all submittals have been satisfactorily completed, updates to the submittal register showing the Contractor action codes and actual dates with Government action codes. Revise the submittal register when the progress schedule is revised and submit both for approval.

1.8.3 Preconstruction Use of Submittal Register

Submit the submittal register. Include the QC plan and the project schedule. Verify that all submittals required for the project are listed and add missing submittals. Coordinate and complete the following fields on the register submitted with the QC plan and the project schedule:

Column (a) Activity Number: Activity number from the project schedule.

Column (g) Contractor Submit Date: Scheduled date for the approving authority to receive submittals.

Column (h) Contractor Approval Date: Date that Contractor needs approval of submittal.

Column (i) Contractor Material: Date that Contractor needs material delivered to Contractor control.

1.8.4 Contractor Use of Submittal Register

Update the following fields in the Government-furnished submittal register program or equivalent fields in the program used by the Contractor with each submittal throughout the contract.

Column (b) Transmittal Number: List of consecutive, Contractor-assigned numbers.

Column (j) Action Code (k): Date of action used to record Contractor's review when forwarding submittals to QC.

Column (l) Date submittal transmitted.

Column (q) Date approval was received.

1.8.5 Approving Authority Use of Submittal Register

Update the following fields:

Column (b) Transmittal Number: List of consecutive, Contractor-assigned numbers.

Column (l) Date submittal was received.

Column (m) through (p) Dates of review actions.

Column (q) Date of return to Contractor.

1.8.6 Delivery of Copies

Deliver one copy of submittal register updated by Contractor to Government

with each invoice request.

1.9 VARIATIONS

Variations from contract requirements require Contracting Officer approval pursuant to contract Clause FAR 52.236-21 Specifications and Drawings for Construction, and will be considered where advantageous to the Government.

1.9.1 Considering Variations

Discussion with Contracting Officer prior to submission, after consulting with the DOR, will help ensure functional and quality requirements are met and minimize rejections and re-submittals. When contemplating a variation which results in lower cost, consider submission of the variation as a Value Engineering Change Proposal (VECP).

Specifically point out variations from contract requirements in a transmittal letter. Failure to point out variations may cause the Government to require rejection and removal of such work at no additional cost to the Government.

1.9.2 Proposing Variations

When proposing variation, deliver written request to the Contracting Officer, with documentation of the nature and features of the variation and why the variation is desirable and beneficial to Government, including the DOR's written analysis and approval. If lower cost is a benefit, also include an estimate of the cost savings. In addition to documentation required for variation, include the submittals required for the item. Clearly mark the proposed variation in all documentation.

Check the column "variation" of ENG Form 4025 for submittals that include variations proposed by the Contractor. Set forth in writing the reason for any variations and note such variations on the submittal. The Government reserves the right to rescind inadvertent approval of submittals containing unnoted variations.

1.9.3 Warranting that Variations are Compatible

When delivering a variation for approval, the Contractor warrants that this contract has been reviewed to establish that the variation, if incorporated, will be compatible with other elements of work.

1.9.4 Review Schedule Extension

In addition to the normal submittal review period, a period of 10 calendar working days will be allowed for the Government to consider submittals with variations.

1.10 SCHEDULING

Schedule and submit concurrently submittals covering component items forming a system or items that are interrelated. Include certifications to be submitted with the pertinent drawings at the same time. No delay damages or time extensions will be allowed for time lost in late submittals. An additional 15 calendar days will be allowed and shown on the register for review and approval of submittals for food service

equipment and refrigeration and HVAC control systems.

- a. Coordinate scheduling, sequencing, preparing, and processing of submittals with performance of work so that work will not be delayed by submittal processing. Allow for potential resubmittal of requirements.
- b. Submittals required by the contract documents are listed on the submittal register. If a submittal is listed in the submittal register but does not pertain to the contract work, the Contractor is to include the submittal in the register and annotate it "N/A" with a brief explanation. Approval by the Contracting Officer does not relieve the Contractor of supplying submittals required by the contract documents but that have been omitted from the register or marked "N/A."
- c. Resubmit the submittal register and annotate it monthly with actual submission and approval dates. When all items on the register have been fully approved, no further resubmittal is required.

Carefully control procurement operations to ensure that each individual submittal is made on or before the Contractor scheduled submittal date shown on the approved "Submittal Register."

1.10.1 Government Reviewed Design

The Government will review design submittals for conformance with the technical requirements of the Solicitation. Section 01 10 12 DESIGN DATA (DESIGN AFTER AWARD) covers the design submittal and review process in detail. Government review is required for variations from the completed design. Review will be only for conformance with the contract requirements. Included are only those construction submittals for which the DOR's design documents do not include enough detail to ascertain contract compliance. The Government may, but is not required to, review extensions of design such as structural steel or reinforcement shop drawings.

1.11 GOVERNMENT APPROVING AUTHORITY

When the approving authority is the Contracting Officer, the Government will:

- a. Note the date on which the submittal was received from the QC manager.
- b. Review submittals for approval within the scheduling period specified and only for conformance with project design concepts and compliance with contract documents.
- c. Identify returned submittals with one of the actions defined in paragraph REVIEW NOTATIONS and with comments and markings appropriate for the action indicated.

Upon completion of review of submittals requiring Government approval, stamp and date submittals. Four copies of the submittal will be retained by the Contracting Officer and two copies of the submittal will be returned to the Contractor. If the Government performs a conformance review of other Designer of Record approved submittals, the submittals will be identified and returned, as described above.

1.11.1 Review Notations

Submittals will be returned to the Contractor with the following notations:

- a. Submittals marked "approved" or "accepted" authorize proceeding with the work covered.
- b. Submittals marked "approved as noted" or "approved, except as noted, resubmittal not required," authorize proceeding with the work covered provided that the Contractor takes no exception to the corrections.
- c. Submittals marked "not approved," "disapproved," or "revise and resubmit" indicate incomplete submittal or noncompliance with the contract requirements or design concept. Resubmit with appropriate changes. Do not proceed with work for this item until the resubmittal is approved.
- d. Submittals marked "not reviewed" indicate that the submittal has been previously reviewed and approved, is not required, does not have evidence of being reviewed and approved by Contractor, or is not complete. A submittal marked "not reviewed" will be returned with an explanation of the reason it is not reviewed. Resubmit submittals returned for lack of review by Contractor or for being incomplete, with appropriate action, coordination, or change.
- e. Submittals marked "receipt acknowledged" indicate that submittals have been received by the Government. This applies only to "information-only submittals" as previously defined.

1.12 DISAPPROVED SUBMITTALS

Make corrections required by the Contracting Officer. If the Contractor considers any correction or notation on the returned submittals to constitute a change to the contract drawings or specifications, give notice to the Contracting Officer as required under the FAR clause titled CHANGES. The Contractor is responsible for the dimensions and design of connection details and the construction of work. Failure to point out variations may cause the Government to require rejection and removal of such work at the Contractor's expense.

If changes are necessary to submittals, make such revisions and resubmit in accordance with the procedures above. No item of work requiring a submittal change is to be accomplished until the changed submittals are approved.

1.13 APPROVED SUBMITTALS

The Contracting Officer's approval or acceptance of submittals is not to be construed as a complete check, and indicates only that design, general method of construction, materials, detailing and other information appear to meet the Solicitation and Accepted Proposal.

Approval or acceptance by the Government for a submittal does not relieve the Contractor of the responsibility for meeting the contract requirements or for any error that may exist, because under the Quality Control (QC) requirements of this contract, the Contractor is responsible for ensuring information contained within each submittal accurately conforms with the requirements of the contract documents.

After submittals have been approved or accepted by the Contracting Officer, no resubmittal for the purpose of substituting materials or equipment will be considered unless accompanied by an explanation of why a substitution is necessary.

1.14 APPROVED SAMPLES

Approval of a sample is only for the characteristics or use named in such approval and is not be construed to change or modify any contract requirements. Before submitting samples, provide assurance that the materials or equipment will be available in quantities required in the project. No change or substitution will be permitted after a sample has been approved.

Match the approved samples for materials and equipment incorporated in the work. If requested, approved samples, including those that may be damaged in testing, will be returned to the Contractor, at its expense, upon completion of the contract. Unapproved samples will also be returned to the Contractor at its expense, if so requested.

Failure of any materials to pass the specified tests will be sufficient cause for refusal to consider, under this contract, any further samples of the same brand or make as that material. The Government reserves the right to disapprove any material or equipment that has previously proved unsatisfactory in service.

Samples of various materials or equipment delivered on the site or in place may be taken by the Contracting Officer for testing. Samples failing to meet contract requirements will automatically void previous approvals. Replace such materials or equipment to meet contract requirements.

1.15 WITHHOLDING OF PAYMENT

Payment for materials incorporated in the work will not be made if required approvals have not been obtained. No payment for materials incorporated in the work will be made unless all required DOR approvals or required Government approvals have been obtained. No payment will be made for any materials incorporated into the work for any conformance review submittals or information-only submittals found to contain errors or deviations from the Solicitation or Accepted Proposal.

1.16 CERTIFICATION OF SUBMITTAL DATA

Certify the submittal data as follows on Form ENG 4025: "I certify that the above submitted items had been reviewed in detail and are correct and in strict conformance with the contract drawings and specifications except as otherwise stated.

____NAME OF CONTRACTOR _____ SIGNATURE OF CONTRACTOR

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

Not Used

-- End of Section --

SUBMITTAL REGISTER

CONTRACT NO.

TITLE AND LOCATION

DHS Campus ACM Abatement - Part 1, Anniston, Alabama

CONTRACTOR

ACTIVITY NO	TRANSMITTAL NO	SPEC SECT	DESCRIPTION ITEM SUBMITTED	PARAGRAPH	GOVT CLASS S I F I C A T I O N A / E R E V I O W N R	CONTRACTOR: SCHEDULE DATES			CONTRACTOR ACTION		DATE FWD TO APPR AUTH/ DATE RCD FROM CONTR	APPROVING AUTHORITY				MAILED TO CONTR/ DATE RCD FRM APPR AUTH	REMARKS
						SUBMIT	APPROVAL NEEDED BY	MATERIAL NEEDED BY	ACTION CODE	DATE OF ACTION		DATE FWD TO OTHER REVIEWER	DATE RCD FROM OTH REVIEWER	ACTION CODE	DATE OF ACTION		
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
		01 00 00	SD-01 Preconstruction Submittals														
			Project Schedule	1.4.1	G CD												
			Site, Safety and Health Plan	1.4.2	G CD												
			Contractor Quality Control Plan	1.4.4	G CD												
			Submittal Register	1.4.5	G CD												
			SD-02 Shop Drawings														
			Shop Drawings	1.4.6	G CD												
			As-Built Drawings	1.4.7	G CD												
			SD-03 Product Data														
			Equipment Data	1.4.8	G CD												
			Material Cut Sheets	1.4.8	G CD												
			SD-07 Certificates														
			Testing Reports	1.4.10	G CD												
			Interruption of utility services	1.15	G CD												
			Certificates of Compliance	1.26	G CD												
			SD-10 Operation and Maintenance Data														
			Operation and Maintenance Manuals	1.4.11	G CD												
			SD-11 Closeout Submittals														
			Training Plan	1.4.12	G CD												
			Final Report	1.4.13	G CD												
		01 30 00	SD-01 Preconstruction Submittals														
			View Location Map	1.3													
			Progress and Completion	1.4													
			Pictures														

SUBMITTAL REGISTER

CONTRACT NO.

TITLE AND LOCATION

DHS Campus ACM Abatement - Part 1, Anniston, Alabama

CONTRACTOR

ACTIVITY NO	TRANSMITTAL NO	SPEC SECT	DESCRIPTION ITEM SUBMITTED	PARAGRAPH	GOVT CLASSIFICATION	CONTRACTOR: SCHEDULE DATES			CONTRACTOR ACTION		DATE FWD TO APPR AUTH/	APPROVING AUTHORITY				MAILED TO CONTR/	REMARKS
						SUBMIT	APPROVAL NEEDED BY	MATERIAL NEEDED BY	ACTION CODE	DATE OF ACTION	DATE RCD FROM CONTR	DATE FWD TO OTHER REVIEWER	DATE RCD FROM OTH REVIEWER	ACTION CODE	DATE OF ACTION	DATE RCD FRM APPR AUTH	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
		01 32 01.00 10	SD-01 Preconstruction Submittals														
			Project Scheduler Qualifications	1.3	G												
			Preliminary Project Schedule	3.4.1	G												
			Initial Project Schedule	3.4.2	G												
			Periodic Schedule Update	3.6.2	G												
		01 33 00	SD-01 Preconstruction Submittals														
			Submittal Register	1.8	G												
		01 35 26	SD-01 Preconstruction Submittals														
			Accident Prevention Plan (APP)	1.8	G												
			SD-06 Test Reports														
			Accident Reports	1.12.3	G												
			LHE Inspection Reports	1.12.4													
			Monthly Exposure Reports	1.5	G												
			SD-07 Certificates														
			Activity Hazard Analysis (AHA)	1.9	G												
			Certificate of Compliance	1.12.5													
			Hot Work Permit	1.13													
			Standard Lift Plan	1.12.5	G												
		01 45 00	SD-01 Preconstruction Submittals														
			Contractor Quality Control (CQC)	1.5.2	G												
			Plan														
			SD-06 Test Reports														
			Verification Statement	1.11.3													
		02 82 00	SD-03 Product Data														
			Amended Water	1.3.2	G CO												

SUBMITTAL REGISTER

CONTRACT NO.

TITLE AND LOCATION

DHS Campus ACM Abatement - Part 1, Anniston, Alabama

CONTRACTOR

ACTIVITY NO	TRANSMITTAL NO	SPEC SECT	DESCRIPTION ITEM SUBMITTED	PARAGRAPH	CLASSIFICATION	CONTRACTOR: SCHEDULE DATES			CONTRACTOR ACTION		DATE FWD TO APPR AUTH/	APPROVING AUTHORITY				MAILED TO CONTR/	REMARKS
						SUBMIT	APPROVAL NEEDED BY	MATERIAL NEEDED BY	ACTION CODE	DATE OF ACTION	DATE RCD FROM CONTR	DATE FWD TO OTHER REVIEWER	DATE RCD FROM OTH REVIEWER	ACTION CODE	DATE OF ACTION	DATE RCD FRM APPR AUTH	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
		02 82 00	Safety Data Sheets (SDS) for All Materials	1.4.9	G CO												
			Encapsulants	2.1	G CO												
			Respirators	3.1.2.1	G CO												
			Local Exhaust Equipment	3.1.7	G CO												
			Pressure Differential Automatic Recording Instrument	3.1.7	G CO												
			Vacuums	3.1.8	G CO												
			Glovebags	3.2.9.2	G CO												
			SD-06 Test Reports														
			Air Sampling Results	1.6.5	G CO												
			Pressure Differential Recordings for Local Exhaust System	1.6.6	G CO												
			Clearance Sampling	3.2.13.5	G CO												
			Asbestos Disposal Quantity Report	3.3.3.2	G CO												
			SD-07 Certificates														
			Employee Training	1.4.4	G CO												
			Notifications	1.4.5	G CO												
			Respiratory Protection Program	1.4.7	G CO												
			Asbestos Hazard Abatement Plan	1.4.10	G CO												
			Testing Laboratory	1.4.11	G CO												
			Landfill Approval	1.4.12	G CO												
			Delivery Tickets	1.4.12	G CO												
			Waste Shipment Records	1.4.12	G CO												
			Transporter Certification	1.4.13	G CO												

SUBMITTAL REGISTER

CONTRACT NO.

TITLE AND LOCATION

DHS Campus ACM Abatement - Part 1, Anniston, Alabama

CONTRACTOR

ACTIVITY NO	TRANSMITTAL NO	SPEC	DESCRIPTION ITEM SUBMITTED	PARAGRAPH	GOVT CLASSIFICATION	CONTRACTOR: SCHEDULE DATES			CONTRACTOR ACTION		DATE FWD TO APPR AUTH/	APPROVING AUTHORITY				MAILED TO CONTR/	REMARKS
						SUBMIT	APPROVAL NEEDED BY	MATERIAL NEEDED BY	ACTION CODE	DATE OF ACTION	DATE RCD FROM CONTR	DATE FWD TO OTHER REVIEWER	DATE RCD FROM OTH REVIEWER	ACTION CODE	DATE OF ACTION	DATE RCD FRM APPR AUTH	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
		02 82 00	Medical Certification	1.4.14	G CO												
			Private Qualified Person	1.6.1	G CO												
			Documentation														
			Designated Competent Person	1.6.2	G CO												
			Worker's License	1.6.3	G CO												
			Contractor's License	1.6.4	G CO												
			Federal, State or Local Citations	1.6.9	G CO												
			on Previous Projects														
			Encapsulants	2.1	G CO												
			Equipment Used to Contain	3.1	G CO												
			Airborne Asbestos Fibers														
			Water Filtration Equipment	3.1.3.3	G CO												
			Vacuums	3.1.8	G CO												
			Ventilation Systems	3.1.8	G CO												
			SD-11 Closeout Submittals														
			Permits and Licenses	1.4.5	G CO												
			Notifications	1.4.5	G CO												
			Respirator Program Records	1.4.7.1	G CO												
			Protective Clothing	1.6.7	G CO												
			Decontamination Quality Control														
			Records														
			Protective Clothing	1.6.8	G CO												
			Decontamination Facility														
			Notification														
			Rental Equipment	1.8.1	G CO												
		08 14 00	SD-02 Shop Drawings														

SUBMITTAL REGISTER

CONTRACT NO.

TITLE AND LOCATION

DHS Campus ACM Abatement - Part 1, Anniston, Alabama

CONTRACTOR

ACTIVITY NO	TRANSMITTAL NO	SPEC SECT	DESCRIPTION ITEM SUBMITTED	PARAGRAPH	GOVT CLASS SIF CATION OR A/E REV W R	CONTRACTOR: SCHEDULE DATES			CONTRACTOR ACTION		DATE FWD TO APPR AUTH/ DATE RCD FROM CONTR	APPROVING AUTHORITY				MAILED TO CONTR/ DATE RCD FRM APPR AUTH	REMARKS
						SUBMIT	APPROVAL NEEDED BY	MATERIAL NEEDED BY	ACTION CODE	DATE OF ACTION		DATE FWD TO OTHER REVIEWER	DATE RCD FROM OTH REVIEWER	ACTION CODE	DATE OF ACTION		
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
		08 14 00	Doors	2.1	G												
			SD-03 Product Data														
			Doors	2.1	G												
			Accessories	2.2													
			Water-resistant Sealer	2.3.6													
			Warranty	1.4													
			Fire Resistance Rating	2.1.2	G												
		09 05 61	SD-06 Test Reports														
			Testing Agency Qualifications	1.5	G												
			Testing Agency Report	1.6.1	G												
		09 65 00	SD-03 Product Data														
			Vinyl Composition Tile	2.1	G												
			Adhesives	2.4													
			SD-04 Samples														
			Vinyl Composition Tile	2.1	G												
			SD-06 Test Reports														
			Moisture, Alkalinity and Bond	3.2	G												
			Tests														
			SD-08 Manufacturer's Instructions														
			Surface Preparation	2.5	G												
			SD-10 Operation and Maintenance														
			Data														
			Vinyl Composition Tile	2.1	G												
		09 68 00	SD-03 Product Data														
			Carpet	2.1	G												
			SD-04 Samples														

CONTRACT NO.

TITLE AND LOCATION

DHS Campus ACM Abatement - Part 1, Anniston, Alabama

CONTRACTOR

[illegible]

TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA, MATERIAL SAMPLES, OR MANUFACTURER'S CERTIFICATES OF COMPLIANCE <i>(Read instruction on the reverse side prior to initiating this form)</i>					DATE		TRANSMITTAL NO.	
SECTION I - REQUEST FOR APPROVAL OF THE FOLLOWING ITEMS <i>(This section will be initiated by the contractor)</i>								
TO:			FROM:		CONTRACT NO.		CHECK ONE: ☐ THIS IS A NEW TRANSMITTAL ☐ THIS IS A RESUBMITTAL OF TRANSMITTAL _____	
SPECIFICATION SEC. NO. <i>(Cover only one section with each transmittal)</i>			PROJECT TITLE AND LOCATION					
ITEM NO.	DESCRIPTION OF ITEM SUBMITTED <i>(Type size, model number/etc.)</i>	MFG OR CONTR. CAT., CURVE DRAWING OR BROCHURE NO. <i>(See instruction no. 8)</i>	NO. OF COPIES	CONTRACT REFERENCE DOCUMENT		FOR CONTRACTOR USE CODE	VARIATION <i>(See instruction No. 6)</i>	FOR CE USE CODE
				SPEC. PARA. NO.	DRAWING SHEET NO.			
<i>a.</i>	<i>b.</i>	<i>c.</i>	<i>d.</i>	<i>e.</i>	<i>f.</i>	<i>g.</i>	<i>h.</i>	<i>i.</i>
REMARKS				I certify that the above submitted items have been reviewed in detail and are correct and in strict conformance with the contract drawings and specifications except as other wise stated. NAME AND SIGNATURE OF CONTRACTOR				
SECTION II - APPROVAL ACTION								
ENCLOSURES RETURNED (List by Item No.)			NAME, TITLE AND SIGNATURE OF APPROVING AUTHORITY				DATE	
ENG FORM 4025, OCT 99 (ER 415-1-10) EDITION OF AUG 89 IS OBSOLETE SHEET ____ OF ____ (Proponent: CEMP-CE)								

INSTRUCTIONS

1. Section 1 will be initiated by the Contractor in the required number of copies.
2. Each transmittal shall be numbered consecutively in the space provided for "Transmittal No.". This number, in addition to the contract number, will form a serial number for identifying each submittal. For new submittals or resubmits mark the appropriate box; on resubmittals, insert transmittal number of last submission as well as the new submittal number.
3. The "Item No." will be the same "Item No." as indicated on ENG FORM 4288 for each entry on this form.
4. Submittals requiring expeditious handling will be submitted on a separate form.
5. Separate transmittal form will be used for submittals under separate sections of the specifications.
6. A check shall be placed in the "Variation" column when a submittal is not in accordance with the plans and specifications--also, a written statement to that effect shall be included in the space provided for "Remarks".
7. Form is self-transmittal, letter of transmittal is not required.
8. When a sample of material or Manufacturer's Certificate of Compliance is transmitted, indicate "Sample" or "Certificate" in column c, Section I.
9. U.S. Army Corps of Engineers approving authority will assign action codes as indicated below in space provided in Section I, column i to each item submitted. In addition they will ensure enclosures are indicated and attached to the form prior to return to the contractor. The Contractor will assign action codes as indicated below in Section I, column g, to each item submitted.

THE FOLLOWING ACTION CODES ARE GIVEN TO ITEMS SUBMITTED

A -- Approved as submitted.	E -- Disapproved (See attached).
B -- Approved, except as noted on drawings.	F -- Receipt acknowledge.
C -- Approved, except as noted on drawings. Refer to attached sheet resubmission required	FX -- Receipt acknowledged, does not comply as noted with contract requirements.
D -- Will be returned by separate correspondence.	G -- Other (<i>Specify</i>)
10. Approval of items does not relieve the contractor from complying with all the requirements of the contract plans and specifications.

SECTION 01 35 26

GOVERNMENTAL SAFETY REQUIREMENTS
05/24

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

AMERICAN SOCIETY OF SAFETY PROFESSIONALS (ASSP)

ANSI/ASSP A10.44 (2020) Control of Energy Sources
(Lockout/Tagout) for Construction and
Demolition Operations

ASTM INTERNATIONAL (ASTM)

ASTM F855 (2020) Standard Specifications for
Temporary Protective Grounds to Be Used on
De-energized Electric Power Lines and
Equipment

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)

IEEE 1048 (2016) Guide for Protective Grounding of
Power Lines

IEEE C2 (2023) National Electrical Safety Code

INTERNATIONAL SAFETY EQUIPMENT ASSOCIATION (ISEA)

ANSI/ISEA Z89.1 (2014; R 2019) American National Standard
for Industrial Head Protection

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 70 (2023) National Electrical Code

NFPA 70E (2024) Standard for Electrical Safety in
the Workplace

NFPA 241 (2022) Standard for Safeguarding
Construction, Alteration, and Demolition
Operations

U.S. ARMY CORPS OF ENGINEERS (USACE)

EM 385-1-1 (2024) Safety -- Safety and Occupational
Health (SOH) Requirements

U.S. NATIONAL ARCHIVES AND RECORDS ADMINISTRATION (NARA)

29 CFR 1910 Occupational Safety and Health Standards

29 CFR 1915	Confined and Enclosed Spaces and Other Dangerous Atmospheres in Shipyard Employment
29 CFR 1926	Safety and Health Regulations for Construction
CPL 2.100	(1995) Application of the Permit-Required Confined Spaces (PRCS) Standards, 29 CFR 1910.146

1.2 DEFINITIONS

The following definitions are for the convenience of the reader. If there is a referenced document in the text of this specification section, that is the document that should define terms for that paragraph. If further clarification is needed, contact the Contracting Officer.

1.2.1 Site Safety and Health Officer (SSHO)

A Contractor Employee that is responsible for overseeing and ensuring implementation of the prime Contractor's Safety and Occupational Health (SOH) program according to the Contract, EM 385-1-1, applicable federal, state, and local requirements.

1.2.1.1 Level One SSHO

A designated employee with full-time SOH responsibility that meets and follows the requirements of EM 385-1-1.

1.2.1.2 Level Two SSHO

A designated employee with Level Two SSHO responsibility that meets and follows the requirements of EM 385-1-1. Level Two SSHOs cannot be assigned to projects that have a residual Risk Assessment Code (RAC) of high or extremely high.

1.2.1.3 Level Three SSHO

A designated Qualified Person or Competent Person with SOH responsibility that meets and follows the requirements of EM 385-1-1. Level 3 SSHOs cannot be assigned to projects that have a residual RAC of high or extremely high.

1.2.1.4 Alternate SSHO

An employee that meets the definition of the contract-required level SSHO, but is not the primary SSHO.

1.2.2 Competent Person (CP)

The CP is a person designated in writing, who, through training, knowledge and experience, is capable of identifying, evaluating, and addressing existing and predictable hazards in the working environment or working conditions that are unsanitary, hazardous, or dangerous to personnel, and who has authorization to take prompt corrective measures to eliminate them.

1.2.3 Qualified Person (QP)

The QP is a person designated in writing, who, by possession of a recognized degree, certificate, or professional standing, or extensive knowledge, training, and experience, has successfully demonstrated their ability to solve or resolve problems related to the subject matter, the work, or the project.

1.2.4 High Visibility Accident

Any mishap which may generate publicity and/or high visibility.

1.2.5 Medical Treatment

Treatment administered by a physician or by registered professional personnel under the standing orders of a physician. Medical treatment does not include first aid treatment even though provided by a physician or registered personnel.

1.2.6 Recordable Injuries or Illnesses

Any work-related injury or illness that results in:

1. Death, regardless of the time between the injury and death, or the length of the illness;
2. Days away from work (any time lost after day of injury/illness onset);
3. Restricted work;
4. Transfer to another job;
5. Medical treatment beyond first aid;
6. Loss of consciousness; or
7. A significant injury or illness diagnosed by a physician or other licensed health care professional, even if it did not result in (1) through (6) above.

"USACE" property and equipment specified in USACE EM 385-1-1 should be interpreted as Government property and equipment.

1.3 SUBMITTALS

Government Acceptance or Approval does not remove responsibility from the Contractors for their actions or liability.

Government approval is required for submittals with a "G" or "S" classification. Submittals not having a "G" or "S" classification are for information only. When used, a code following the "G" classification identifies the office that will review the submittal for the Government. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

Accident Prevention Plan (APP); G,

SD-06 Test Reports

Accident Reports; G,

LHE Inspection Reports

Monthly Exposure Reports; G,

SD-07 Certificates

Activity Hazard Analysis (AHA); G,

Certificate of Compliance

Hot Work Permit

Standard Lift Plan; G,

1.4 PUBLIC HEALTH EMERGENCIES

In the event of a declared public health emergency, follow safety precautions as required by the Occupational Safety and Health Administration (OSHA) www.osha.gov, the Centers for Disease Control and Prevention (CDC) www.cdc.gov, and as required by federal, state and local requirements.

1.5 MONTHLY EXPOSURE REPORTS

Provide a Monthly Exposure Report by the fifth of each month. This report is a compilation of employee-hours worked each month for all site workers, both Prime and subcontractor. Failure to submit the report may result in retention of up to 10 percent of the progress payment.

1.6 REGULATORY REQUIREMENTS

In addition to the detailed requirements included in the provisions of this Contract, comply with the most recent edition of USACE EM 385-1-1, and the following federal, state, and local laws, ordinances, criteria, rules and regulations at the date of the Solicitation for this Contract. Submit matters of interpretation of standards to the appropriate administrative agency for resolution before starting work. Where the requirements of this specification, applicable laws, criteria, ordinances, regulations, and referenced documents vary, the most stringent requirements govern.

1.7 SITE QUALIFICATIONS, DUTIES, AND MEETINGS

1.7.1 Site Safety and Health Officer (SSHO)

1.7.1.1 Qualifications of SSHO

All SSHOs will have met the training, experience requirements identified in the EM 385-1-1 and this Contract.

1.7.1.2 Duties of SSHO

All SSHOs will carry out the roles and responsibilities as identified in this Contract and the EM 385-1-1. All SSHOs will be designated on an ENG Form 6282, provided by the Contracting Officer. Superintendent, QC Manager, and SSHO are subject to dismissal if their required duties are not being effectively carried out. If either the Superintendent, QC Manager, or SSHO are dismissed, project work will be stopped and will not be allowed to resume until a suitable replacement is approved and the above duties are again being effectively carried out.

1.7.1.3 Safety Meetings

Conduct safety meetings to review past activities, plan for new or changed operations, review pertinent aspects of appropriate AHA (by trade), establish safe working procedures for anticipated hazards, and provide pertinent Safety and Occupational Health (SOH) training and motivation. Conduct meetings at least once a month for all supervisors at the project location. The SSHO, supervisors, or foremen must conduct meetings at least once a week for the trade workers. Document meeting minutes to include the date, persons in attendance, subjects discussed, and names of individual(s) who conducted the meeting. Maintain documentation on-site and furnish copies to the Contracting Officer on request. Notify the Contracting Officer of all scheduled meetings 7 calendar days in advance.

1.7.2 Roles and Responsibilities of Prime Contractor and SSHO

The Prime Contractor and SSHO must ensure that the requirements of all applicable OSHA and EM 385-1-1 are met for the project. The Prime Contractor must ensure an SSHO or an equally qualified Alternate SSHO(s) is at the worksite at all times to implement and administer the Contractor's safety program and Government accepted Accident Prevention Plan. If the required SSHO has to temporarily (that is, up to 24 hours / 1 day) leave the site of work due to unforeseen or emergency situations, a Level One, Two, or Three SSHO may be used in the interim and must be on the site of work at all times when work is being performed.

If the SSHO must be off-site for a period longer than 24 hours / 1 day, a qualified alternate that meets the contract requirements must be onsite.

a. Prime contractor must ensure all SSHOs will:

- (1) Are designated on an ENG Form 6282.
- (2) Meet minimum training and experience requirements identified in EM 385-1-1.
- (3) Execute roles and responsibilities identified in EM 385-1-1.

1.7.3 Competent Person for Confined Space Entry

Provide a CP for Confined Space Entry who meets the requirements of EM 385-1-1 and herein. The CP for Confined Space Entry must supervise the entry into each confined space in accordance with EM 385-1-1.

1.7.4 Preconstruction Conference

a. Contractor representatives who have a responsibility or significant role in accident prevention on the project must attend the

preconstruction conference. This includes the project superintendent, Site Safety and Occupational Health Officer, quality control manager, or any other assigned safety and health professionals who participated in the development of the APP (including the Activity Hazard Analyses (AHAs) and special plans, program and procedures associated with it).

- b. Discuss the details of the submitted APP to include incorporated plans, programs, procedures and a listing of anticipated AHAs that will be developed and implemented during the performance of the Contract. This list of proposed AHAs will be reviewed and an agreement will be reached between the Contractor and the Contracting Officer as to which phases will require an analysis. In addition, establish a schedule for the preparation, submittal, and Government review of AHAs to preclude project delays. The creation of the APP and Schedule will be created after being given Notice to Proceed.
- c. Deficiencies in the submitted APP, identified during the Contracting Officer's review, must be corrected, and the APP re-submitted for review prior to the start of construction. Work is not permitted to begin until an APP is established that is acceptable to the Contracting Officer.

1.8 ACCIDENT PREVENTION PLAN (APP)

1.8.1 Accident Prevention Plan (APP)

Use a qualified person to prepare the written site-specific APP. Prepare the APP in accordance with the format and requirements of USACE EM 385-1-1 and as supplemented herein. Cover all paragraph and subparagraph elements in USACE EM 385-1-1, Appendix A, "Minimum Basic Outline for Accident Prevention Plan". Specific requirements for some of the APP elements are described below. The APP shall be job-specific and address any unusual or unique aspects of the project or activity for which it is written. The APP shall interface with the Contractor's overall safety and health program. Include any portions of the Contractor's overall safety and health program referenced in the APP in the applicable APP element and made site-specific. The Government considers the Prime Contractor to be the "controlling authority" for all work site safety and health of the subcontractors. Contractors are responsible for informing their subcontractors of the safety provisions under the terms of the contract and the penalties for noncompliance, coordinating the work to prevent one craft from interfering with or creating hazardous working conditions for other crafts, and inspecting subcontractor operations to ensure that accident prevention responsibilities are being carried out. The APP shall be signed by the person and firm (senior person) preparing the APP, the Contractor, the on-site superintendent, the designated site safety and health officer, the Contractor Quality control Manager, and any designated CSP and/or CIH.

Submit the APP to the Contracting Officer 15 calendar days prior to the date of the preconstruction conference for acceptance. Work cannot proceed without an accepted APP.

Once accepted by the Contracting Officer, the APP and attachments will be enforced as part of the contract. Disregarding the provisions of this contract or the accepted APP will be cause for stopping of work, at the discretion of the Contracting Officer, until the matter has been rectified.

Once work begins, changes to the accepted APP shall be made with the

knowledge and concurrence of the Contracting Officer, project superintendent, SSHO and quality control manager. Should any severe hazard exposure, i.e. imminent danger, become evident, stop work in the area, secure the area, and develop a plan to remove the exposure and control the hazard. Notify the Contracting Officer within 24 hours of discovery. Eliminate/remove the hazard. In the interim, take all necessary action to restore and maintain safe working conditions in order to safeguard onsite personnel, visitors, the public (as defined by ASSE/SAFE A10.34,) and the environment.

Copies of the accepted plan will be maintained at the resident engineer's office and at the job site. Continuously reviewed and amended the APP, as necessary, throughout the life of the contract. Incorporate unusual or high-hazard activities not identified in the original APP as they are discovered.

1.8.2 Names and Qualifications

Provide plans in accordance with the requirements outlined in EM 385-1-1, including the following:

- a. Names and qualifications (resumes including education, training, experience and certifications) of site safety and health personnel designated to perform work on this project to include the designated Site Safety and Health Officer and other competent and qualified personnel to be used. Specify the duties of each position.
- b. As a minimum, designate and submit qualifications of Competent Persons (CP) for each of the following major areas: excavation; scaffolding; fall protection; hazardous energy; confined space; health hazard recognition, evaluation and control of chemical, physical and biological agents; and personal protective equipment and clothing to include selection, use and maintenance. Designate and submit qualifications for additional CPs as applicable to the work performed under this Contract.

1.8.3 Plans

Provide plans in the APP in accordance with the requirements outlined in EM 385-1-1, including the following:

1.8.3.1 Asbestos Hazard Abatement Plan

Identify the safety and health aspects of asbestos work, and prepare in accordance with Section 02 82 00 ASBESTOS REMEDIATION.

1.8.3.2 Site Safety and Health Plan

Identify the safety and health aspects, and prepare in accordance with Section 01 35 29.13 HEALTH, SAFETY, AND EMERGENCY RESPONSE PROCEDURES FOR CONTAMINATED SITES.

1.9 ACTIVITY HAZARD ANALYSIS (AHA)

Before beginning each activity, task or Definable Feature of Work (DFOW) involving a type of work presenting hazards not experienced in previous project operations, or where a new work crew or subcontractor is to

perform the work, the Contractor(s) performing that work activity must prepare an AHA. AHAs must be developed by the Prime Contractor, subcontractor, or supplier performing the work, and provided for Prime Contractor review and approval before submitting to the Contracting Officer. AHAs must be signed by the SSHO, Superintendent, QC Manager and the subcontractor Foreman performing the work. Format the AHA in accordance with EM 385-1-1 or as directed by the Contracting Officer. Submit the AHA for review at least 15 working days prior to the start of each activity task, or DFOV. The Government reserves the right to require the Contractor to revise and resubmit the AHA if it fails to effectively identify the work sequences, specific anticipated hazards, site conditions, equipment, materials, personnel and the control measures to be implemented.

AHAs must identify competent persons required for phases involving high risk activities, including confined entry, crane and rigging, excavations, trenching, electrical work, fall protection, and scaffolding.

1.9.1 AHA Management

Review the AHA list periodically (at least monthly) at the Contractor supervisory safety meeting, and update as necessary when procedures, scheduling, or hazards change. Use the AHA during daily inspections by the SSHO to ensure the implementation and effectiveness of the required safety and health controls for that work activity.

1.9.2 AHA Signature Log

Each employee performing work as part of an activity, task or DFOV must review the AHA for that work and sign a signature log specifically maintained for that AHA prior to starting work on that activity. The SSHO must maintain a signature log on site for every AHA. Provide employees whose primary language is other than English, with an interpreter to ensure a clear understanding of the AHA and its contents.

1.10 SITE SAFETY REFERENCE MATERIALS

Maintain safety-related references applicable to the project, including those listed in paragraph REFERENCES. Maintain applicable equipment manufacturer's manuals.

Within 1 calendar days after commencement of work, erect a safety bulletin board at the job site. Where size, duration, or logistics of project do not facilitate a bulletin board, an alternative method, acceptable to the Contracting Officer, that is accessible and includes all mandatory information for employee and visitor review, shall be deemed as meeting the requirement for a bulletin board. Include and maintain information on safety bulletin board as required by EM 385-1-1, section 01.A.06. Additional items required to be posted include:

- a. Confined space entry permit.
- b. Hot work permit.

1.11 EMERGENCY MEDICAL TREATMENT

Contractors must arrange for their own emergency medical treatment in accordance with EM 385-1-1. The Government has no responsibility to provide emergency medical treatment.

1.12 NOTIFICATIONS AND REPORTS

1.12.1 Accident Notification

Notify the Contracting Officer as soon as practical, but not later than four hours, after any accident meeting the definition of Recordable Injuries or Illnesses or High Visibility Accidents, property damage equal to or greater than \$2,000, or any weight handling equipment accident. Within notification include contractor name; contract title; type of contract; name of activity, installation or location where accident occurred; date and time of accident; names of personnel injured; extent of property damage, if any; extent of injury, if known, and brief description of accident (to include type of construction equipment used, PPE used, etc.). Preserve the conditions and evidence on the accident site until the Government investigation team arrives on-site and Government investigation is conducted.

1.12.2 Crane Reports

Submit crane inspection reports required in accordance with USACE EM 385-1-1, Appendix I and as specified herein with Daily Reports of Inspections.

1.12.3 Accident Reports

Conduct an accident investigation for recordable injuries and illnesses, as defined in 1.3.h and property damage accidents resulting in at least \$2,000 in damages, to establish the root cause(s) of the accident, complete the USACE Accident Report Form 3394 and provide the report to the Contracting Officer within 5 calendar day(s) of the accident. The Contracting Officer will provide copies of any required or special forms.

1.12.4 LHE Inspection Reports

Submit LHE inspection reports required in accordance with EM 385-1-1 and as specified herein with Daily Reports of Inspections.

1.12.5 Certificate of Compliance and Pre-lift Plan/Checklist for LHE and Rigging

Provide a Certificate of Compliance for each crane entering an activity under this contract (see Contracting Officer for a blank certificate). State within the certificate that the crane and rigging gear meet applicable OSHA regulations (with the Contractor citing which OSHA regulations are applicable, e.g., cranes used in construction, demolition, or maintenance comply with 29 CFR 1926 and USACE EM 385-1-1 Section 16 and Appendix I. Certify on the Certificate of Compliance that the crane operator(s) is qualified and trained in the operation of the crane to be used. For cranes at DOD activities in foreign countries, certify that the crane and rigging gear conform to the appropriate host country safety standards. Also certify that all of its crane operators working on the DOD activity have been trained in the proper use of all safety devices (e.g., anti-two block devices). Post certifications on the crane.

Develop a Standard Lift Plan (SLP) in accordance with EM 385-1-1 and using Standard Pre-Lift Crane Plan/Checklist for each lift planned. Submit SLP to the Contracting Officer for approval within 15 calendar days in advance of planned lift.

1.13 HOT WORK PERMIT

1.13.1 Permit and Personnel Requirements

Submit and obtain a written permit prior to performing "Hot Work" (welding, cutting, etc.) or operating other flame-producing/spark producing devices, from the Fire Marshall. A permit is required from the Explosives Safety Office for work in and around where explosives are processed, stored, or handled. CONTRACTORS ARE REQUIRED TO MEET ALL CRITERIA BEFORE A PERMIT IS ISSUED. The Contractor will provide at least two (2) twenty (20) pound 4A:20 BC rated extinguishers for normal "Hot Work". All extinguishers shall be current inspection tagged, approved safety pin and tamper resistant seal. It is also mandatory to have a designated FIRE WATCH for any "Hot Work" done at this activity. The Fire Watch shall be trained in accordance with NFPA 51B and remain on-site for a minimum of 30 minutes after completion of the task or as specified on the hot work permit.

When starting work in the facility, require personnel to familiarize themselves with the location of the nearest fire alarm boxes and place in memory the emergency Fire Marshall's phone number. ANY FIRE, NO MATTER HOW SMALL, SHALL BE REPORTED TO THE RESPONSIBLE FIRE MARSHALL IMMEDIATELY.

1.13.2 Work Around Flammable Materials

Obtain permit approval from a NFPA Certified Marine Chemist, or Certified Industrial Hygienist for "Hot Work" within or around flammable materials (such as fuel systems or welding/cutting on fuel pipes) or confined spaces (such as sewer wet wells, manholes, or vaults) that have the potential for flammable or explosive atmospheres.

Whenever these materials, except beryllium and chromium (VI), are encountered in indoor operations, local mechanical exhaust ventilation systems that are sufficient to reduce and maintain personal exposures to within acceptable limits must be used and maintained in accordance with manufacturer's instruction and supplemented by exceptions noted in EM 385-1-1.

1.14 CONFINED SPACE ENTRY REQUIREMENTS

Confined space entry must comply with EM 385-1-1, 29 CFR 1926, 29 CFR 1910, and Directive CPL 2.100. Any potential for a hazard in the confined space requires a permit system to be used.

1.14.1 Rescue Procedures and Coordination with Local Emergency Responders

Develop and implement an on-site rescue and recovery plan and procedures. The rescue plan must not rely on local emergency responders for rescue from a confined space.

1.15 FACILITY OCCUPANCY CLOSURE

Streets, walks, and other facilities occupied and used by the Government shall not be closed or obstructed without written permission from the Contracting Officer.

1.16 SEVERE STORM PLAN

In the event of a severe storm warning, the Contractor must comply with the applicable Storm Plan and:

- a. Secure outside equipment and materials and place materials that could be damaged in protected areas.
- b. Check surrounding area, including roof, for loose material, equipment, debris, and other objects that could be blown away or against existing facilities.
- c. Ensure that temporary erosion controls are adequate.

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

3.1 CONSTRUCTION AND OTHER WORK

Comply with EM 385-1-1, NFPA 70, NFPA 70E, NFPA 241, the APP, the AHA, Federal and State OSHA regulations, and other related submittals and activity fire and safety regulations. The most stringent standard prevails.

PPE is governed in all areas by the nature of the work the employee is performing. Use personal hearing protection at all times in designated noise hazardous areas or when performing noise hazardous tasks. Safety glasses must be worn or carried/available on each person. Mandatory PPE includes:

- a. Head Protection that meets ANSI/ISEA Z89.1
- b. Long Pants
- c. Appropriate Safety Footwear
- d. Appropriate Class Reflective Vests

3.1.1 Worksite Communication

Employees working alone in a remote location or away from other workers must be provided an effective means of emergency communications (i.e., cellular phone, two-way radios, land-line telephones or other acceptable means). The selected communication must be readily available (easily within the immediate reach) of the employee and must be tested prior to the start of work to verify that it effectively operates in the area/environment. Develop an employee check-in/check-out communication procedure to ensure employee safety.

3.1.2 Hazardous Material Exclusions

Notwithstanding any other hazardous material used in this Contract, radioactive materials or instruments capable of producing ionizing/non-ionizing radiation (with the exception of radioactive material and devices used in accordance with EM 385-1-1 such as nuclear density meters for compaction testing and laboratory equipment with

radioactive sources) as well as materials which contain asbestos, mercury or polychlorinated biphenyls, di-isocyanates, lead-based paint, and hexavalent chromium, are prohibited. The Contracting Officer, upon written request by the Contractor, may consider exceptions to the use of any of the above excluded materials. Low mercury lamps used within fluorescent lighting fixtures are allowed as an exception without further Contracting Officer approval. Notify the Radiation Safety Officer (RSO) prior to excepted items of radioactive material and devices being brought on base.

3.1.3 Unforeseen Hazardous Material

Contract documents identify materials such as PCB, lead paint, and friable and non-friable asbestos and other OSHA regulated chemicals (i.e., 29 CFR Part 1910.1000). If material(s) that may be hazardous to human health upon disturbance are encountered during demolition, repair, renovation, or construction operations. Stop that portion of work and notify the Contracting Officer immediately. Within 14 calendar days the Government will determine if the material is hazardous. If material is not hazardous or poses no danger, the Government will direct the Contractor to proceed without change. If material is hazardous and handling of the material is necessary to accomplish the work, the Government will issue a modification.

3.2 UTILITY OUTAGE REQUIREMENTS

Apply for utility outages at least 15 days in advance. At a minimum, the written request must include the location of the outage, utilities being affected, duration of outage, any necessary sketches, and a description of the means to fulfill energy isolation requirements in accordance with EM 385-1-1. In accordance with EM 385-1-1, where outages involve Government or Utility personnel, coordinate with the Government on all activities involving the control of hazardous energy.

These activities include, but are not limited to, a review of Hazardous Energy Control Program (HECP) and HEC procedures, as well as applicable Activity Hazard Analyses (AHAs). In accordance with EM 385-1-1 and NFPA 70E, work on energized electrical circuits must not be performed without prior Government authorization. Government permission is considered through the permit process and submission of a detailed AHA. Energized work permits are considered only when de-energizing introduces additional or increased hazard or when de-energizing is infeasible.

3.3 OUTAGE COORDINATION MEETING

After the utility outage request is approved and prior to beginning work on the utility system requiring shut-down, conduct a pre-outage coordination meeting in accordance with EM 385-1-1. This meeting must include the Prime Contractor, the Prime and subcontractors performing the work, the Contracting Officer, and the Installation representative. All parties must fully coordinate HEC activities with one another. During the coordination meeting, all parties must discuss and coordinate on the scope of work, HEC procedures (specifically, the lock-out/tag-out procedures for worker and utility protection), the AHA, assurance of trade personnel qualifications, identification of competent persons, and compliance with HECP training in accordance with EM 385-1-1. Clarify when personal protective equipment is required during switching operations, inspection, and verification.

3.4 CONTROL OF HAZARDOUS ENERGY (LOCKOUT/TAGOUT)

Provide and operate a Hazardous Energy Control Program (HECP) in accordance with EM 385-1-1, 29 CFR 1910, 29 CFR 1915, ANSI/ASSP A10.44, NFPA 70E.

Contractor shall ensure that each employee is familiar with and complies with these procedures and USACE EM 385-1-1, Section 12, Control of Hazardous Energy.

Contracting Officer will, at the Contractor's request, apply lockout/tagout tags and take other actions that, because of experience and knowledge, are known to be necessary to make the particular equipment safe to work on for government owned and operated systems.

No person, regardless of position or authority, shall operate any switch, valve, or equipment that has an official lockout/tagout tag attached to it, nor shall such tag be removed except as provided in this section. No person shall work on any energized equipment including, but not limited to activities such as erecting, installing, constructing, repairing, adjusting, inspecting, un-jamming, setting up, trouble shooting, testing, cleaning, dismantling, servicing and maintaining machines equipment of processes until an evaluation has been conducted identifying the energy source and the procedures which will be taken to ensure the safety of personnel.

When work is to be performed on electrical circuits, only qualified personnel shall perform work on electrical circuits.

A supervisor who is required to enter an area protected by a lockout/tagout tag will be considered a member of the protected group provided he notifies the holder of the tag stub each time he enters and departs from the protected area.

Identification markings on building light and power distribution circuits shall not be relied on for established safe work conditions.

Before clearance will be given on any equipment other than electrical (generally referred to as mechanical apparatus), the apparatus, valves, or systems shall be secured in a passive condition with the appropriate vents, pins, and locks.

Pressurized or vacuum systems shall be vented to relieve differential pressure completely.

Vent valves shall be tagged open during the course of the work.

Where dangerous gas or fluid systems are involved, or in areas where the environment may be oxygen deficient, system or areas shall be purged, ventilated, or otherwise made safe prior to entry.

3.4.1 Safety Preparatory Inspection Coordination Meeting with the Government or Utility

For electrical distribution equipment that is to be operated by Government or Utility personnel, the Prime Contractor and the subcontractor performing the work must attend the safety preparatory inspection coordination meeting, which will also be attended by the Contracting

Officer's Representative, and required by EM 385-1-1. The meeting will occur immediately preceding the start of work and following the completion of the outage coordination meeting. Both the safety preparatory inspection coordination meeting and the outage coordination meeting must occur prior to conducting the outage and commencing with lockout/tagout procedures.

3.4.2 Lockout/Tagout Isolation

Where the Government or Utility performs equipment isolation and lockout/tagout, the Contractor must place their own locks and tags on each energy-isolating device and proceed in accordance with the HECF. Before any work begins, both the Contractor and the Government or Utility must perform energy isolation verification testing while wearing required PPE detailed in the Contractor's AHA and required by EM 385-1-1. Install personal protective grounds, with tags, to eliminate the potential for induced voltage in accordance with EM 385-1-1.

3.4.3 Lockout/Tagout Removal

Upon completion of work, conduct lockout/tagout removal procedure in accordance with the HECF. In accordance with EM 385-1-1, each lock and tag must be removed from each energy isolating device by the authorized individual or systems operator who applied the device. Provide formal notification to the Government (by completing the Government form if provided by Contracting Officer's Representative), confirming that steps of de-energization and lockout/tagout removal procedure have been conducted and certified through inspection and verification. Government or Utility locks and tags used to support the Contractor's work will not be removed until the authorized Government employee receives the formal notification.

3.5 FALL PROTECTION PROGRAM

Establish a fall protection program, for the protection of all employees exposed to fall hazards. Within the program include company policy, identify roles and responsibilities, education and training requirements, fall hazard identification, prevention and control measures, inspection, storage, care and maintenance of fall protection equipment and rescue and evacuation procedures in accordance with EM 385-1-1.

3.5.1 Fall Protection Equipment and Systems

Enforce use of personal fall protection equipment and systems designated (to include fall arrest, restraint, and positioning) for each specific work activity in the Site Specific Fall Protection and Prevention Plan and AHA at all times when an employee is exposed to a fall hazard. Protect employees from fall hazards as specified in EM 385-1-1.

Provide personal fall protection equipment, systems, subsystems, and components that comply with EM 385-1-1 and 29 CFR 1926.

3.5.1.1 Additional Personal Fall Protection Measures

In addition to the required fall protection systems, other protective measures such as safety skiffs, personal floatation devices, and life rings, are required when working above or next to water in accordance with EM 385-1-1. Personal fall protection systems and equipment are required when working from an articulating or extendible boom, swing stages, or

suspended platform. In addition, personal fall protection systems are required when operating other equipment such as scissor lifts. The need for tying-off in such equipment is to prevent ejection of the employee from the equipment during raising, lowering, travel, or while performing work.

3.5.1.2 Personal Fall Protection Equipment

Only a full-body harness with a shock-absorbing lanyard or self-retracting lanyard is an acceptable personal fall arrest body support device. The use of body belts is not acceptable. Harnesses must have a fall arrest attachment affixed to the body support (usually a Dorsal D-ring) and specifically designated for attachment to the rest of the system. Snap hooks and carabineers must be self-closing and self-locking, capable of being opened only by at least two consecutive deliberate actions and have a minimum gate strength of 3,600 lbs in all directions. Use webbing, straps, and ropes made of synthetic fiber. The maximum free fall distance when using fall arrest equipment must not exceed 6 feet, unless the proper energy absorbing lanyard is used. Always take into consideration the total fall distance and any swinging of the worker (pendulum-like motion), that can occur during a fall, when attaching a person to a fall arrest system. Equip all full body harnesses with Suspension Trauma Preventers such as stirrups, relief steps, or similar in order to provide short-term relief from the effects of orthostatic intolerance in accordance with EM 385-1-1.

3.6 EQUIPMENT

3.6.1 Material Handling Equipment

- a. Material handling equipment such as forklifts shall not be modified with work platform attachments for supporting employees unless specifically delineated in the manufacturer's printed operating instructions.
- b. The use of hooks on equipment for lifting of material must be in accordance with manufacturer's printed instructions.
- c. Operators of forklifts or power industrial trucks shall be licensed in accordance with OSHA.

3.6.2 Weight Handling Equipment

- a. Equip cranes and derricks as specified in EM 385-1-1, section 16.
- b. Comply with the crane manufacturer's specifications and limitations for erection and operation of cranes and hoists used in support of the work. Perform erection under the supervision of a designated person (as defined in ASME B30.5). Perform all testing in accordance with the manufacturer's recommended procedures.
- c. Comply with ASME B30.5 for mobile and locomotive cranes, ASME B30.22 for articulating boom cranes, ASME B30.3 for construction tower cranes, and ASME B30.8 for floating cranes and floating derricks.
- d. Under no circumstance shall a Contractor make a lift at or above 90 percent of the cranes rated capacity in any configuration.
- e. When operating in the vicinity of overhead transmission lines,

operators and riggers shall be alert to this special hazard and follow the requirements of USACE EM 385-1-1 Section 11 and ASME B30.5 or ASME B30.22 as applicable.

f. Do not crane suspended personnel work platforms (baskets) unless the Contractor proves that using any other access to the work location would provide a greater hazard to the workers or is impossible. Do not lift personnel with a line hoist or friction crane.

g. Inspect, maintain, and recharge portable fire extinguishers as specified in NFPA 10, Standard for Portable Fire Extinguishers.

h. All employees must keep clear of loads about to be lifted and of suspended loads.

i. Use cribbing when performing lifts on outriggers.

j. The crane hook/block must be positioned directly over the load. Side loading of the crane is prohibited.

k. A physical barricade must be positioned to prevent personnel from entering the counterweight swing (tail swing) area of the crane.

l. Certification records which include the date of inspection, signature of the person performing the inspection, and the serial number or other identifier of the crane that was inspected shall always be available for review by Contracting Officer personnel.

m. Written reports listing the load test procedures used along with any repairs or alterations performed on the crane shall be available for review by Contracting Officer personnel.

n. Certify that all crane operators have been trained in proper use of all safety devices (e.g. anti-two block devices).

3.7 ELECTRICAL

Perform electrical work in accordance with EM 385-1-1.

3.7.1 Electrical Work

As described in EM 385-1-1, electrical work is to be conducted in a de-energized state unless there is no alternative method for accomplishing the work. In those cases obtain an energized work permit from the Contracting Officer. The energized work permit application must be accompanied by the AHA and a summary of why the equipment/circuit needs to be worked energized. Underground electrical spaces must be certified safe for entry before entering to conduct work. Cables that will be cut must be positively identified and de-energized prior to performing each cut. Attach temporary grounds in accordance with ASTM F855 and IEEE 1048. Perform all high voltage cable cutting remotely using hydraulic cutting tool. When racking in or live switching of circuit breakers, no additional person other than the switch operator is allowed in the space during the actual operation. Plan so that work near energized parts is minimized to the fullest extent possible. Use of electrical outages clear of any energized electrical sources is the preferred method.

When working in energized substations, only qualified electrical workers are permitted to enter. When work requires work near energized circuits

as defined by NFPA 70, high voltage personnel must use personal protective equipment that includes, as a minimum, electrical hard hat, safety footwear, insulating gloves and electrical arc flash protection for personnel as required by NFPA 70E. Insulating blankets, hearing protection, and switching suits may also be required, depending on the specific job and as delineated in the Contractor's AHA. Ensure that each employee is familiar with and complies with these procedures and 29 CFR 1910.

3.7.2 Qualifications

Electrical work must be performed by QP with verifiable credentials who are familiar with applicable code requirements. Verifiable credentials consist of State, National and Local Certifications or Licenses that a Master or Journeyman Electrician may hold, depending on work being performed, and must be identified in the appropriate AHA. Journeyman/Apprentice ratio must be in accordance with State, Local requirements applicable to where work is being performed.

3.7.3 Arc Flash

Conduct a hazard analysis/arc flash hazard analysis whenever work on or near energized parts greater than 50 volts is necessary, in accordance with NFPA 70E.

All personnel entering the identified arc flash protection boundary must be QPs and properly trained in NFPA 70E requirements and procedures. Unless permitted by NFPA 70E, no Unqualified Person is permitted to approach nearer than the Limited Approach Boundary of energized conductors and circuit parts. Training must be administered by an electrically qualified source and documented.

3.7.4 Grounding

Ground electrical circuits, equipment and enclosures in accordance with NFPA 70 and IEEE C2 to provide a permanent, continuous and effective path to ground unless otherwise noted by EM 385-1-1.

3.7.5 Testing

Temporary electrical distribution systems and devices must be inspected, tested and found acceptable for Ground-Fault Circuit Interrupter (GFCI) protection, polarity, ground continuity, and ground resistance before initial use, before use after modification and at least monthly. Monthly inspections and tests must be maintained for each temporary electrical distribution system, and signed by the electrical CP or QP.

3.7.6 Portable Extension Cords

Size portable extension cords in accordance with manufacturer ratings for the tool to be powered and protected from damage. Immediately removed from service all damaged extension cords. Portable extension cords shall meet the requirements of NFPA 70E and OSHA electrical standards.

3.8 EXCAVATIONS

Perform soil classification by a competent person in accordance with 29 CFR 1926.

3.9 UTILITY LOCATIONS

Prior to digging, the appropriate digging permit must be obtained. All underground utilities in the work area must be positively identified by a private utility locating service in addition to any station locating service and coordinated with the station utility department. Any markings made during the utility investigation must be maintained throughout the contract.

3.9.1 Utility Location Verification

The Contractor must physically verify underground utility locations by hand digging using wood or fiberglass handled tools when any adjacent construction work is expected to come within three feet of the underground system. Digging within 2 feet of a known utility must not be performed by means of mechanical equipment; hand digging shall be used. If construction is parallel to an existing utility expose the utility by hand digging every 100 feet if parallel within 5 feet of the excavation.

3.9.2 Shoring Systems

Trench and shoring systems must be identified in the accepted safety plan and AHA. Manufacture tabulated data and specifications or registered engineer tabulated data for shoring or benching systems shall be readily available on-site for review. Job-made shoring or shielding must have the registered professional engineer stamp, specifications, and tabulated data. Extreme care must be used when excavating near direct burial electric underground cables.

3.9.3 Trenching Machinery

Operate trenching machines with digging chain drives only when the spotters/laborers are in plain view of the operator. Provide operator and spotters/laborers training on the hazards of the digging chain drives with emphasis on the distance that needs to be maintained when the digging chain is operating. Keep documentation of the training on file at the project site.

3.10 UTILITIES WITHIN CONCRETE SLABS

Utilities located within concrete slabs or pier structures, bridges, and the like, are extremely difficult to identify due to the reinforcing steel used in the construction of these structures. Whenever contract work involves concrete chipping, saw cutting, or core drilling, the existing utility location must be coordinated with station utility departments in addition to a private locating service. Outages to isolate utility systems must be used in circumstances where utilities are unable to be positively identified. The use of historical drawings does not alleviate the contractor from meeting this requirement.

-- End of Section --

SECTION 01 42 00

SOURCES FOR REFERENCE PUBLICATIONS
02/19, CHG 1: 08/23

PART 1 GENERAL

1.1 REFERENCES

Various publications are referenced in other sections of the specifications to establish requirements for the work. These references are identified in each section by document number, date and title. The document number used in the citation is the number assigned by the standards producing organization (e.g., ASTM B564 Standard Specification for Nickel Alloy Forgings). However, when the standards producing organization has not assigned a number to a document, an identifying number has been assigned for reference purposes.

1.2 ORDERING INFORMATION

The addresses of the standards publishing organizations whose documents are referenced in other sections of these specifications are listed below, and if the source of the publications is different from the address of the sponsoring organization, that information is also provided.

AACE INTERNATIONAL (AACE)
1265 Suncrest Towne Centre Drive
Morgantown, WV 26505-1876 USA
Ph: 304-296-8444
Fax: 304-291-5728
Internet: <https://web.aacei.org/>

AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE)
1801 Alexander Bell Drive
Reston, VA 20191
Ph: 800-548-2723; 703-295-6300
Internet: <https://www.asce.org/>

AMERICAN SOCIETY OF SAFETY PROFESSIONALS (ASSP)
520 N. Northwest Highway
Park Ridge, IL 60068
Ph: 847-699-2929
E-mail: customerservice@assp.org
Internet: <https://www.assp.org/>

ASTM INTERNATIONAL (ASTM)
100 Barr Harbor Drive, P.O. Box C700
West Conshohocken, PA 19428-2959
Ph: 610-832-9500
Fax: 610-832-9555
E-mail: service@astm.org
Internet: <https://www.astm.org/>

CALIFORNIA DEPARTMENT OF PUBLIC HEALTH (CDPH)
PO Box 997377, MS 0500
Sacramento, CA 95899-7377
Ph: 916-558-1784

Internet: <https://www.cdph.ca.gov/>

CARPET AND RUG INSTITUTE (CRI)

P.O. Box 2048
Dalton, GA 30722-2048
Ph: 706-278-3176
Fax: 706-278-8835
Internet: <https://carpet-rug.org/>

COMPRESSED GAS ASSOCIATION (CGA)
14501 George Carter Way, Suite 103
Chantilly, VA 20151-1788
Ph: 703-788-2700
Fax: 703-961-1831
E-mail: cga@cganet.com
Internet: <https://www.cganet.com/>

GREEN SEAL (GS)
1001 Connecticut Avenue, NW
Suite 827
Washington, DC 20036-5525
Ph: 202-872-6400
Fax: 202-872-4324
E-mail: green seal@green seal.org
Internet: <https://www.green seal.org/>

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)
445 and 501 Hoes Lane
Piscataway, NJ 08854-4141
Ph: 732-981-0060 or 800-701-4333
Fax: 732-981-9667
E-mail: online support@ieee.org
Internet: <https://www.ieee.org/>

INTERNATIONAL SAFETY EQUIPMENT ASSOCIATION (ISEA)
1901 North Moore Street
Arlington, VA 22209-1762
Ph: 703-525-1695
Fax: 703-528-2148
Internet: <https://safetyequipment.org/>

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
1 Batterymarch Park
Quincy, MA 02169-7471
Ph: 800-344-3555
Fax: 800-593-6372
Internet: <https://www.nfpa.org>

NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH (NIOSH)
Patriots Plaza 1
395 E Street, SW, Suite 9200
Washington, DC 20201
Ph: 800-232-4636
Fax: 513-533-8347
Internet: <https://www.cdc.gov/niosh/>

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD)
21865 Copley Drive

Diamond Bar, CA 91765
Ph: 909-396-2000
E-mail: webinquiry@aqmd.gov
Internet: <http://www.aqmd.gov>

U.S. ARMY CORPS OF ENGINEERS (USACE)
CRD-C DOCUMENTS available on Internet:
<http://www.wbdg.org/ffc/army-coe/standards>
Order Other Documents from:
Official Publications of the Headquarters, USACE
E-mail: hqpublications@usace.army.mil
Internet: <http://www.publications.usace.army.mil/>
or
<https://www.hnc.usace.army.mil/Missions/Engineering-Directorate/TECHINFO/>

U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA)
1200 Pennsylvania Avenue, N.W.
Washington, DC 20004
Ph: 202-564-4700
Internet: <https://www.epa.gov>
--- Some EPA documents are available only from:
National Technical Information Service (NTIS)
5301 Shawnee Road
Alexandria, VA 22312
Ph: 703-605-6060 or 1-800-363-2068
Fax: 703-605-6880
TDD: 703-487-4639
E-mail: info@ntis.gov
Internet: <https://www.ntis.gov/>

U.S. NATIONAL ARCHIVES AND RECORDS ADMINISTRATION (NARA)
8601 Adelphi Road
College Park, MD 20740-6001
Ph: 866-272-6272
Internet: <https://www.archives.gov/>
Order documents from:
Superintendent of Documents
U.S. Government Publishing Office (GPO)
732 N. Capitol Street, NW
Washington, DC 20401
Ph: 202-512-1800 or 866-512-1800
Bookstore: 202-512-0132
Internet: <https://www.gpo.gov/>

U.S. NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND (NAVFAC)
1322 Patterson Ave. SE, Suite 1000
Washington Navy Yard, DC 20374-5065
Ph: 202-685-9387
Internet: <http://www.navfac.navy.mil>

UNDERWRITERS LABORATORIES (UL)
2600 N.W. Lake Road
Camas, WA 98607-8542
Ph: 877-854-3577 or 360-817-5500
E-mail: CustomerExperienceCenter@ul.com
Internet: <https://www.ul.com/>
UL Directories available through IHS at <https://ihsmarkit.com/>

WINDOW AND DOOR MANUFACTURERS ASSOCIATION (WDMA)
2025 M Street, NW, Suite 800
Washington, DC 20036-3309
Ph: 202-367-1157
or
330 N Wabash Avenue, Suite 2000
Chicago, IL 60611
Ph: 312-321-6802
E-mail: membersupport@wdma.com
Internet: <https://www.wdma.com/>

WOODWORK INSTITUTE (WI)
3188 Industrial Blvd.
West Sacramento, CA 95691
Ph: 916-372-9943
Fax: 916-372-9950
E-mail: info@woodinst.com
Internet: <https://woodworkinstitute.com>

PART 2 PRODUCTS

Not used

PART 3 EXECUTION

Not used

-- End of Section --

SECTION 01 45 00

QUALITY CONTROL
08/23, CHG 1: 05/24

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

ASTM INTERNATIONAL (ASTM)

ASTM D3740 (2019) Minimum Requirements for Agencies Engaged in the Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction

ASTM E329 (2023) Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection

U.S. ARMY CORPS OF ENGINEERS (USACE)

EM 385-1-1 (2024) Safety -- Safety and Occupational Health (SOH) Requirements

1.2 PAYMENT

Separate payment will not be made for providing and maintaining an effective Quality Control program. Include all associated costs in the applicable Bid Schedule item.

1.3 SUBMITTALS

Government approval is required for submittals with a "G" or "S" classification. Submittals not having a "G" or "S" classification are for information only. When used, a code following the "G" classification identifies the office that will review the submittal for the Government. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES.

SD-01 Preconstruction Submittals

Contractor Quality Control (CQC) Plan; G,
SD-06 Test Reports

Verification Statement

1.4 GENERAL REQUIREMENTS

Establish and maintain an effective quality control (QC) system that complies with FAR 52.246-12 Inspection of Construction. QC is comprised of plans, procedures, and organization necessary to produce an end product that complies with the Contract requirements. The QC system covers all construction operations, both onsite and offsite, and must be keyed to the proposed construction sequence. The Quality Control Manager,

Superintendent, Site Safety and Health Officer (SSHO), and all on-site supervisors are responsible for the quality of work and are subject to removal by the Contracting Officer for non-compliance with the quality requirements specified in the Contract. The Quality Control Manager must maintain a physical presence at the work site at all times and is the primary individual responsible for all quality control.

1.5 QUALITY CONTROL (QC) PROGRAM REQUIREMENTS

Establish and maintain a QC program as described in this section. The QC program consists of a QC Organization, QC Plan, QC Plan Meeting(s), a Coordination and Mutual Understanding Meeting, QC meetings, three phases of control, submittal review and approval, testing, completion inspections, QC certifications, and documentation necessary to provide materials, equipment, workmanship, fabrication, construction and operations that comply with the requirements of this Contract. The QC program must cover on-site and off-site work and be keyed to the work sequence. No construction work or testing may be performed unless the QC Manager is on the work site. The QC Manager must report to an officer of the firm and not be subordinate to the Project Superintendent or the Project Manager. The QC Manager, Project Superintendent and Project Manager must work together effectively. Although the QC Manager is the primary individual responsible for quality control, all individuals will be held responsible for the quality of work on the job.

1.5.1 Meetings

1.5.1.1 Quality Control Plan Meeting

Prior to submission of the QC Plan, the Contractor may request a meeting with the Contracting Officer to discuss the QC Plan requirements of this Contract.

The purpose of this meeting is to develop a mutual understanding of the QC Plan requirements prior to plan development and submission and to agree on the Contractor's list of Definable Feature of Work (DFOW).

1.5.1.2 Coordination and Mutual Understanding Meeting

After the Preconstruction Conference, before start of construction, and prior to acceptance by the Government of the CQC Plan, meet with the Contracting Officer and discuss the Contractor's quality control system. During the meeting, a mutual understanding of the system details must be developed, including the forms for recording the CQC operations, control activities, testing, administration of the system for both onsite and offsite work, and the interrelationship of Contractor's Management and control with the Government's Quality Assurance. Minutes of the meeting will be prepared by the QC Manager and signed by the Contractor and the Government. Provide a copy of the signed minutes to all attendees and include in the QC Plan. At a minimum the Coordination and Mutual Understanding Meeting must be repeated when a new QC Manager is appointed. There can be other occasions when subsequent conferences will be called by either party to reconfirm mutual understandings or address deficiencies in the CQC system or procedures which can require corrective action by the Contractor.

1.5.1.2.1 Purpose

The purpose of this meeting is to develop a mutual understanding of the QC

details, including documentation, administration for on-site and off-site work, design intent, environmental requirements and procedures, coordination of activities to be performed, and the coordination of the Contractor's management, production, and QC personnel. At the meeting, the Contractor must explain in detail how three phases of control will be implemented for each DFOW, as well as how each DFOW will be affected by each management plan or requirement as listed below:

- a. Waste Management Plan.
- b. Procedures for noise and acoustics management.
- c. Environmental Protection Plan.
- d. Environmental regulatory requirements.

1.5.1.2.2 Coordination of Activities

Coordinate activities included in various sections to assure efficient and orderly installation of each component. Coordinate operations included under different sections that are dependent on each other for proper installation and operation.

1.5.1.2.3 Attendees

As a minimum, the Contractor's personnel required to attend include an officer of the firm, the Project Manager, Project Superintendent, QC Manager, Alternate QC Manager, Environmental Manager, and subcontractor representatives. Each subcontractor who will be assigned QC responsibilities must have a principal of the firm at the meeting.

1.5.1.3 Quality Control (QC) Meetings

After the start of construction, conduct weekly QC meetings led by the QC Manager at the work site with the Project Superintendent, and the other personnel as necessary. The QC Manager is to prepare the minutes of the meeting and provide a copy to the Contracting Officer within 2 working days after the meeting. The Contracting Officer may attend these meetings. As a minimum, accomplish the following at each meeting:

- a. Review the minutes of the previous meeting.
- b. Review the schedule and the status of work and deficiencies/rework. Review the most current approved schedule (in accordance with schedule specification) and the status of work and deficiencies/rework.
- c. Review the status of submittals and Request For Information (RFIs).
- d. Review the work to be accomplished in the next 3 weeks as defined by the schedule section paragraph WEEKLY PROGRESS MEETINGS in Section 01 32 01.00 10 PROJECT SCHEDULE and all documentation required for that work.
- e. Review Testing Plan and Log including status of tests performed since last QC Meeting.
- f. Resolve QC and production problems. Discuss status of pending change orders.

- g. Address items that may require revising the QC Plan.
- h. Review Accident Prevention Plan (APP) and effectiveness of the safety program.
- i. Review environmental requirements and procedures.
- j. Review Environmental Management Plan.
- k. Review Waste Management Plan.
- l. Review the status of training completion.

1.5.2 Contractor Quality Control (CQC) Plan

Submit no later than 30 days after receipt of notice to proceed, the CQC Plan proposed to implement the requirements FAR 52.246-12 Inspection of Construction. The Government will consider an interim plan for the first 30 days of operation. Construction will be permitted to begin only after acceptance of the CQC Plan and other Contract requirements or acceptance of an interim plan applicable to the particular feature of work to be started. Work outside of the accepted interim plan will not be permitted to begin until acceptance of a CQC Plan or another interim plan containing the additional work.

1.5.2.1 Content of Contractor Quality Control (CQC) Plan

Provide a CQC Plan, prior to start of construction that includes a table of contents, with major sections identified, pages numbered sequentially, and that documents the proposed methods and responsibilities for accomplishing quality control during the construction of the project. The CQC Plan must at a minimum include the following sections:

- a. A description of the quality control organization and acknowledgment that the CQC staff will implement the three phase control system for all aspects of the work specified.
- b. An organizational chart showing the quality control organization with individual names and job titles and lines of authority up to an executive of the company at the home office.
- c. NAMES AND QUALIFICATIONS: Names and qualifications, in resume format, (including position titles and durations for qualifying experiences) for each person in the QC organization. Include the Construction Quality Management (CQM) for Contractors course certifications for the QC personnel as required by the paragraph CONSTRUCTION QUALITY MANAGEMENT TRAINING.
- d. DUTIES, RESPONSIBILITY AND AUTHORITY OF QC PERSONNEL: Duties, responsibilities, and authorities of each person in the QC organization.
- e. OUTSIDE ORGANIZATIONS: A listing of outside organizations, such as architectural and consulting engineering firms, that will be employed by the Contractor and a description of the services these firms will provide.
- f. APPOINTMENT LETTERS: Letters signed by an officer of the firm appointing the QC Manager and Alternate QC Manager, and stating that

they are responsible for implementing and managing the QC program as described in this Contract. Include in this letter the responsibility of the QC Manager and Alternate QC Manager to implement and manage the three phases of control, and their authority to stop work that is not in compliance with the Contract. Letters of direction are to be issued by the QC Manager to all other QC Specialists or quality control representatives outlining their duties, authorities, and responsibilities. Include copies of the letters in the QC Plan.

- g. SUBMITTAL PROCEDURES AND INITIAL SUBMITTAL REGISTER: Procedures for reviewing, approving, scheduling, and managing submittals, including those of subcontractors, offsite fabricators, suppliers, and purchasing agents. Provide the name(s) of the person(s) in the QC organization authorized to review and certify submittals prior to approval. Provide the initial submittal of the Submittal Register as specified in Section 01 33 00 SUBMITTAL PROCEDURES.
- h. TESTING LABORATORY INFORMATION: Testing laboratory information required by the paragraph ACCREDITATION REQUIREMENTS, as applicable.
- i. TESTING PLAN AND LOG: A Testing Plan and Log that includes the tests required, associated feature of work required, referenced by the specification paragraph number requiring the test, the frequency, and the person responsible for each test.
- j. Procedures to complete construction deficiencies from identification through acceptable corrective action. Establish verification procedures that identified deficiencies have been corrected. This phase is performed prior to beginning work on each definable feature of work, after all required plans, documents, materials are approved, and after copies are at the work site.
- k. Reporting procedures, including proposed reporting formats.
- l. Procedures for submitting and reviewing design changes/variations prior to submission to the Contracting Officer.
- m. LIST OF DEFINABLE FEATURES: A Definable Feature of Work (DFOW) is a task that is separate and distinct from other tasks and has control requirements and work crews unique to that task. A DFOW is identified by different trades or disciplines, or it is work by the same trade in a different environment. A DFOW is by definition any item or activity on the construction schedule, and the schedule specification provides direction regarding how the DFOWs are to be structured. Include in the list of DFOWs for all activities on the Construction Schedule. Although each section of the specifications can generally be considered as a definable feature of work, there are frequently more than one definable features under a particular section. Identify the specification section number and schedule activity ID for each DFOW listed. The DFOW list will be reviewed in coordination with the construction schedule and agreed upon during the Coordination of Mutual Understanding Meeting.
- n. PROCEDURES FOR PERFORMING AND TRACKING THE THREE PHASES OF CONTROL: Identify procedures used to ensure the three phases of control to manage the quality on this project. For each Definable Feature of Work (DFOW), a Preparatory and Initial phase checklist will be filled out during the Preparatory and Initial phase meetings. Conduct the Preparatory and Initial Phases and meetings with a view towards

obtaining quality construction by planning ahead and identifying potential problems for each DFOV.

- o. PROCEDURES FOR COMPLETION INSPECTION: Procedures for identifying and documenting the completion inspection process. Include in these procedures the responsible party for punch out inspection, pre-final inspection, and final acceptance inspection.
- p. TRAINING PROCEDURES AND TRAINING LOG: Procedures for coordinating and documenting the training of personnel required by the Contract.
- q. ORGANIZATION AND PERSONNEL CERTIFICATIONS LOG: Procedures for coordinating, tracking and documenting all certifications required for entities such as subcontractors, testing laboratories, suppliers, and personnel. The QC Manager will ensure that certifications are current, appropriate for the work being performed, and will not lapse during any period of the Contract that the work is being performed.

1.5.3 Acceptance of the Quality Control (QC) Plan

The Contracting Officer's acceptance of the Contractor QC Plan, or interim plan applicable to the particular feature of work to be started, is required prior to the start of construction. The Government will consider an interim plan for the first 30 days of operation. Work outside of the accepted interim plan will not be permitted to begin until acceptance of a CQC Plan or another interim plan containing the additional work. The Contracting Officer reserves the right to require changes in the QC Plan and operations as necessary, including removal or addition of personnel, to ensure the specified quality of work. The Contracting Officer reserves the right to interview any member of the QC organization at any time to verify the submitted qualifications. All QC organization personnel are subject to acceptance by the Contracting Officer. The Contracting Officer may require the removal of any individual for non-compliance with quality requirements specified in the Contract.

1.5.4 Notification of Changes

Notify the Contracting Officer, in writing, of any proposed changes in the QC Plan or changes to the QC organization personnel. Proposed changes are subject to acceptance by the Contracting Officer.

1.6 QUALITY CONTROL (QC) ORGANIZATION

1.6.1 Personnel Requirements

The requirements for the CQC organization are a Site Safety and Health Officer (SSHO), QC Manager, and enough qualified personnel to ensure safety and Contract compliance. The SSHO reports directly to a senior project (or corporate) official independent from the QC Manager. The SSHO will also serve as a member of the CQC Staff Personnel identified in the technical provisions as requiring specialized skills to assure the required work is being performed properly. The CQC staff always maintains a presence at the site during progress of the work and have complete authority and responsibility to take any action necessary to ensure Contract compliance. The CQC staff will be subject to acceptance by the Contracting Officer. Provide adequate office space, filing systems and other resources as necessary to maintain an effective and fully functional CQC organization. Promptly complete and furnish all letters, material submittals, shop drawing submittals, schedules, and all other project

documentation to the CQC organization. The CQC organization is responsible for always maintaining these documents and records at the site, except as otherwise acceptable to the Contracting Officer.

1.6.2 Quality Control (QC) Manager

1.6.2.1 Duties

Provide a QC Manager at the work site to implement and manage the QC program. The QC Manager must be employed by the Prime Contractor. In addition to implementing and managing the QC program. The only duties and responsibilities of the QC Manager are to manage and implement the QC program on this Contract. The QC Manager must attend the Coordination and Mutual Understanding Meeting, perform the three phases of control, perform submittal review and approval, ensure testing is performed and provide QC certifications and documentation required in this Contract. The QC Manager is responsible for managing and coordinating the three phases of control and documentation performed by testing laboratory personnel and any other inspection and testing personnel required by this Contract. The QC Manager is the manager of all QC activities.

1.6.2.2 Qualifications

The QC Manager must be an individual with a minimum of 7 years combined experience in the following positions: Project Superintendent, QC Manager, Project Manager, Project Engineer or Construction Manager on similar size and type construction Contracts which included the major trades that are part of this Contract. The individual must have at least 3 years experience as a QC Manager. The individual must be familiar with the requirements of EM 385-1-1 and have experience in the areas of hazard identification, safety compliance, and sustainability.

The individual must be familiar with the requirements of EM 385-1-1 and have experience in the areas of hazard identification, safety compliance, and sustainability.

The QC Manager and all members of the QC organization must be capable of reading, writing, and conversing fluently in the English language.

1.6.2.3 Construction Quality Management Training

In addition to the above experience and education requirements, the QC Manager and all members of the QC team must have completed the CQM for Contractors course. If the QC Manager does not have a current certification, obtain the CQM for Contractors course certification within 90 days of award. This course is periodically offered by the Naval Facilities Engineering Systems Command and the Army Corps of Engineers. Contact the Contracting Officer for information on the next scheduled class.

The Construction Quality Management Training certificate expires after 5 years. If the QC Manager's certificate has expired, retake the course to remain current.

1.6.3 Organizational Changes

Maintain the QC staff with personnel as required by the specification section at all times. When it is necessary to make changes to the QC staff, revise the CQC Plan to reflect the changes and submit the changes

to the Contracting Officer for acceptance.

1.6.4 Alternate Quality Control (QC) Manager Duties and Qualifications

Designate an alternate for the QC Manager at the work site to serve in the event of the designated QC Manager's absence. The qualification requirements for the Alternate QC Manager must be the same as for the QC Manager.

1.7 THREE PHASES OF CONTROL

CQC enables the Contractor to ensure that the construction, including that of subcontractors and suppliers, complies with the requirements of the Contract. At least three phases of control must be conducted by the QC Manager to adequately cover both on-site and off-site work for each definable feature of the construction work as follows:

1.7.1 Preparatory Phase

Document the results of the preparatory phase actions by separate minutes prepared by the QC Manager and attach to the daily CQC report. Instruct applicable workers as to the acceptable level of workmanship required to meet Contract specifications.

Notify the Contracting Officer at least 2 business days in advance of each preparatory phase meeting. The meeting will be conducted by the QC Manager and attended by the Project Superintendent, and the foreman responsible for the DFO. When the DFO will be accomplished by a subcontractor, that subcontractor's foreman must attend the preparatory phase meeting. This phase is performed prior to beginning work on each definable feature of work, after all required plans/documents/materials are approved/accepted, and after copies are at the work site. Perform the following prior to beginning work on each DFO:

- a. Review each paragraph of the applicable specification sections, reference codes, and standards. Make available during the preparatory inspection a copy of those sections of referenced codes and standards applicable to that portion of the work to be accomplished in the field. Maintain and make available in the field for use by Government personnel until final acceptance of the work.
- b. Review the Contract drawings.
- c. Verify that field measurements are as indicated on construction or shop drawings or both before confirming product orders, to minimize waste due to excessive materials.
- d. Verify that appropriate shop drawings and submittals for materials and equipment have been submitted and approved. Verify receipt of approved factory test results, when required.
- e. Review the testing plan and ensure that provisions have been made to provide the required QC testing.
- f. Examine the work area to ensure that the required preliminary work has been completed and complies with the Contract and ensure any deficiencies/rework items in the preliminary work have been corrected and confirmed by the Contracting Officer.

- g. Review coordination of product/material delivery to designated prepared areas to execute the work.
- h. Examine the required materials, equipment and sample work to ensure that they are on hand and conform to the approved shop drawings and submitted data and are properly stored.
- i. Check to assure that all materials and equipment have been tested, submitted, and approved.
- j. Discuss specific controls to be used, construction methods, construction tolerances, workmanship standards, and the approach that will be used to provide quality construction by planning ahead and identifying potential problems for each DFO. Ensure any portion of the plan requiring separate Contracting Officer acceptance has been approved.
- k. Review the APP and appropriate Activity Hazard Analysis (AHA) to ensure that applicable safety requirements are met, and that required Safety Data Sheets (SDS) are submitted.
- l. Discussion of procedures for controlling quality of the work including repetitive deficiencies. Document construction tolerances and workmanship standards for that feature of work.
- m. Discuss schedule and execution of the initial control phase and confirmation or construction quality compliance.

1.7.2 Initial Phase

Notify the Contracting Officer at least 2 business days in advance of each initial phase. When construction crews are ready to start work on a DFO, conduct the initial phase with the Project Superintendent, and the foreman responsible for that DFO. Observe the initial segment of the DFO to ensure that the work complies with Contract requirements. Document the results of the initial phase in the daily CQC Report and in the Initial Phase Checklist. Repeat the initial phase for each new crew to work on-site when acceptable levels of specified quality are not being met. Indicate the exact location of initial phase for definable feature of work for future reference and comparison with follow-up phases. Perform the following for each DFO:

- a. Check work to ensure that it is in full compliance with Contract requirements. Review minutes of the preparatory meeting.
- b. Verify adequacy of controls to ensure full Contract compliance. Verify required control inspection and testing comply with the Contract.
- c. Establish level of workmanship and verify that it meets the minimum acceptable workmanship standards. Compare with required sample panels as appropriate.
- d. Resolve any workmanship issues.
- e. Ensure that testing is performed by the approved laboratory.
- f. Check work procedures for compliance with the APP and the appropriate

AHA to ensure that applicable safety requirements are met.

- g. Review project specific work plans (i.e., HAZMAT Abatement, Stormwater Management) to ensure all preparatory work items have been completed and documented.

1.7.3 Follow-Up Phase

Perform the following for on-going DFW daily, or more frequently as necessary, until the completion of each DFW. The Final Follow-Up for any DFW will clearly note in the daily report the DFW is completed, and all deficiencies/rework items have been completed in accordance with the paragraph DEFICIENCY/REWORK ITEMS LIST. Each DFW that has completed the Initial Phase and has not completed the Final Follow-up must be included on each daily report. If no work was performed on that DFW for the period of that daily report, it must be so noted. Document all Follow-Up activities for DFWs in the daily CQC Report:

- a. Ensure the work including control testing complies with Contract requirements until completion of that particular work feature. Record checks in the CQC documentation.
- b. Maintain the quality of workmanship required.
- c. Ensure that testing is performed by the approved laboratory.
- d. Ensure that deficiencies/rework items are being corrected. Conduct final follow-up checks and correct all deficiencies prior to the start of additional features of work which may be affected by the deficient work.
- e. Do not build upon nor conceal non-conforming work.
- f. Assure manufacturers' representatives have performed necessary inspections if required and perform safety inspections.

1.7.4 Additional Preparatory and Initial Phases

Conduct additional preparatory and initial phases on the same DFW if the quality of on-going work is unacceptable, if there are changes in the applicable QC organization, if there are changes in the on-site production supervision or work crew, if work on a DFW has not started within 45 days of the initial preparatory meeting or has resumed after 45 days of inactivity, or if other problems develop.

1.7.5 Notification of Three Phases of Control for Off-Site Work

Notify the Contracting Officer at least 2 weeks prior to the start of the preparatory and initial phases.

1.7.6 Deficiency/Rework Items List

The QC Manager must maintain a list of work that does not comply with the Contract, identifying what items need to be corrected, the activity ID number associated with the item, the date the item was originally discovered, the date the item will be corrected by, and the date the item was corrected.

The QC Manager reviews the list at each weekly QC Meeting:

- a. There is no requirement to report a deficiency/rework item that is corrected the same day it is discovered.
- b. No successor task may be advanced beyond the preparatory phase meeting until all deficiencies/rework items have been cleared by the QC Manager and concurred with by the Contracting Officer. This must be confirmed as part of the Preparatory Phase activities.
- c. Attach a copy of the "Deficiency/Rework Items List" to the last daily CQC Report of each month.
- d. The Contractor is responsible for including those items identified by the Contracting Officer.
- e. All deficiencies/rework items must be confirmed as corrected by the QC Manager, and concurred by the Contracting Officer, prior to commencement of any completion inspections per paragraph COMPLETION INSPECTIONS unless specifically exempted by the Contracting Officer.
- f. Non-Compliance with these requirements is grounds for removal in accordance with paragraph ACCEPTANCE OF THE QUALITY CONTROL (QC) PLAN.
- g. All delays, concurrent or related to failure to manage, monitor, control, and correct deficiencies/rework items are entirely the responsibility of the Contractor and can not be made the subject, or any component of any request for additional time or compensation.

1.8 TESTING

Perform specified or required tests to verify that control measures are adequate to provide a product which conforms to Contract requirements. Upon request, furnish to the Government duplicate samples of test specimens for possible testing by the Government. Testing includes operation and acceptance tests when specified. Procure the services of an U.S. Army Corps of Engineers approved testing laboratory or establish an approved testing laboratory. Perform the following activities and record and provide the following data:

- a. Verify that testing procedures comply with Contract requirements.
- b. Verify that facilities and testing equipment are available and comply with testing standards.
- c. Check test instrument calibration data against certified standards.
- d. Verify that recording forms and test identification control number system, including all test documentation requirements, have been prepared.
- e. Record results of all tests taken, both passing and failing on the CQC report for the date taken. Specification paragraph reference, location where tests were taken, and the sequential control number identifying the test. If approved by the Contracting Officer, actual test reports are submitted later with a reference to the test number and date taken. Provide an information copy of tests performed by an offsite or commercial test facility directly to the Contracting Officer. Failure to submit timely test reports as stated results in nonpayment for related work performed and disapproval of the test

facility for this Contract.

1.8.1 Laboratory Accreditation Authorities

All testing laboratories must be validated by the USACE Material Testing Center (MTC) for the tests to be performed. Information on the USACE MTC with web-links to both a list of validated testing laboratories and for the laboratory inspection request for can be found at:
<https://mtc.erdcdren.mil>

1.8.2 Capability Check

The Contracting Officer retains the right to check laboratory equipment in the proposed laboratory and the laboratory technician's testing procedures, techniques, and other items pertinent to testing, for compliance with the standards set forth in this Contract. Laboratories utilized for testing soils, concrete, asphalt, and steel must meet criteria detailed in ASTM D3740 and ASTM E329.

1.8.2.1 Onsite Laboratory

The Government reserves the right to utilize the Contractor's control testing laboratory and equipment to make assurance tests, and to check the Contractor's testing procedures, techniques, and test results at no additional cost to the Government.

1.8.3 Test Results

Cite applicable Contract requirements, tests or analytical procedures used. Provide actual results and include a statement that the item tested or analyzed conforms or fails to conform to specified requirements. If the item fails to conform, notify the Contracting Officer immediately. Conspicuously stamp the cover sheet for each report in large red letters "CONFORMS" or "DOES NOT CONFORM" to the specification requirements, whichever is applicable. Test results must be signed by a testing laboratory representative authorized to sign certified test reports. Furnish the signed reports, certifications, and other documentation to the Contracting Officer via the QC Manager.

1.9 COMPLETION INSPECTIONS

1.9.1 Punch-Out Inspection

Near the completion of all work or any increment thereof, established by a completion time stated in the Contract Clause entitled "Commencement, Prosecution, and Completion of Work," or stated elsewhere in the specifications, the QC Manager must conduct an inspection of the work and develop a "punch list" of items which do not conform to the approved drawings, specifications, and Contract. Include in the punch list any remaining items on the "Deficiency/Rework Items List", that were not corrected prior to the Punch-Out Inspection as approved by the Contracting Officer in accordance with the paragraph DEFICIENCY/REWORK ITEMS LIST. Include within the punch list the estimated date by which the deficiencies will be corrected. Provide a copy of the punch list to the Contracting Officer.

The QC Manager, or staff, must make follow-on inspections to ascertain that all deficiencies have been corrected. All punch list items must be confirmed as corrected by the QC Manager and concurred by the Contracting Officer. Once this is accomplished, notify the Government that the

facility is ready for the Government "Pre-Final Inspection".

1.9.2 Pre-Final Inspection

The Government and QC Manager will perform this inspection to verify that the facility is complete and ready to be occupied. A Government "Pre-Final Punch List" will be documented by the QC Manager as a result of this inspection. The QC Manager will ensure that all items on this list are corrected and concurred by the Contracting Officer prior to notifying the Government that a "Final" inspection with the Client can be scheduled. All items noted on the "Pre-Final" inspection must be corrected and concurred by the Contracting Officer in a timely manner and be accomplished before the Contract completion date for the work, or any increment thereof, if the project is divided into increments by separate completion dates unless exceptions are directed by the Contracting Officer.

1.9.3 Final Acceptance Inspection

Notify the Contracting Officer at least 14 calendar days prior to the date a final acceptance inspection can be held. State within the notice that all items previously identified on the pre-final punch list will be corrected and acceptable, along with any other unfinished Contract work, by the date of the final acceptance inspection. The Contractor must be represented by the QC Manager, the Project Superintendent, and others deemed necessary. Attendees for the Government will include the Contracting Officer, other Government QA personnel, and personnel representing the Client. Failure of the Contractor to have all Contract work acceptably complete for this inspection will be cause for the Contracting Officer to bill the Contractor for the Government's additional inspection cost in accordance with the Contract Clause entitled "Inspection of Construction."

1.10 QUALITY CONTROL (QC) CERTIFICATIONS

1.10.1 Contractor Quality Control (CQC) Report Certification

Contain the following statement within the CQC Report: "On behalf of the Contractor, I certify that this report is complete and correct and equipment and material used, and work performed during this reporting period is in compliance with the Contract drawings and specifications to the best of my knowledge, except as noted in this report."

1.10.2 Completion Certification

Upon completion of work under this Contract, the QC Manager must furnish a certificate to the Contracting Officer attesting that "the work has been completed, inspected, tested and is in compliance with the Contract." Provide a copy of this final QC Certification for completion to the preparer of the Operation & Maintenance (O&M) documentation.

1.11 DOCUMENTATION AND INFORMATION FOR THE CONTRACTING OFFICER

Maintain current and complete records of on-site and off-site QC program operations and activities.

Contact the Contracting Officer for sample forms or print from RMS-QCS as needed. Prior to commencing work on construction, the Contractor must obtain a copy set of the current report forms. The report forms will consist of the Contractor Quality Control (CQC) Report, CQC Report

(Continuation Sheet), Contractor Production Report, Contractor Production Report (Continuation Sheet), Preparatory Phase Checklist, Initial Phase Checklist, Testing Plan and Log, and Rework Items List. Unless otherwise provided by the Contracting Officer, Contractor may use the forms provided as related material located at <https://www.wbdg.org/ffc/dod/unified-facilities-guide-specifications-ufgs/ufgs-01-45-00>.

1.11.1 Construction Documentation

Reports are required for each day that work is performed and must be attached to the Contractor Quality Control Report prepared for the same day. Maintain current and complete records of on-site and off-site QC program operations and activities. Reports are required for each day work is performed. Account for each calendar day throughout the life of the Contract.

The Project Superintendent and the QC Manager must prepare and sign the Contractor Production and CQC Reports, respectively. Every space on the forms must be filled in. Use N/A if nothing can be reported in one of the spaces. The reporting of work must be identified by terminology consistent with the construction schedule. In the "Remarks" sections of the reports, enter pertinent information including directions received, problems encountered during construction, work progress and delays, conflicts or errors in the drawings or specifications, field changes, safety hazards encountered, instructions given and corrective actions taken, delays encountered, a record of visitors to the work site, quality control problem areas, deviations from the QC Plan, construction deficiencies encountered, and meetings held. For each entry in the report(s), identify the Schedule Activity No. that is associated with the entered remark.

1.11.2 Quality Control Activities

CQC and Contractor Production reports will be prepared daily to maintain current records providing factual evidence that required quality control activities and tests have been performed. Include in these records the work of subcontractors and suppliers on an acceptable form that includes, as a minimum, the following information:

- a. The name and area of responsibility of the Contractors and any subcontractors.
- b. Operating plant/equipment with hours worked, idle, or down for repair.
- c. Work performed each day, giving location, description, and by whom. When a Network Analysis Schedule (NAS) is used, identify each item of work performed each day by NAS activity number.
- d. Control phase activities performed. Preparatory, and Initial phase Checklists associated with the DFOW referenced to the construction schedule. Follow-up phase activities identified to the DFOW. If testing or specific QC Specialist activities are associated with the Follow-up phase activities for a specific DFOW note this and include those reports.
- e. Test and control activities performed with results and references to specifications and drawings requirements. Identify the control phase (Preparatory, Initial, Follow-up). List of deficiencies noted, along with corrective action in accordance with the paragraph

DEFICIENCY/REWORK ITEMS LIST.

- f. Quantity of materials received at the site with statement as to acceptability, storage, and reference to specifications and drawings requirements.
- g. Submittals and deliverables reviewed, with Contract reference, by whom, and action taken.
- h. Offsite surveillance activities, including actions taken.
- i. Job safety evaluations stating what was checked, results, and instructions or corrective actions.
- j. Instructions given/received and conflicts in plans and specifications.

1.11.3 Verification Statement

Indicate a description of trades working on the project; the number of personnel working; weather conditions encountered; and any delays encountered. Cover both conforming and deficient features and include a statement that equipment and materials incorporated in the work and workmanship comply with the Contract.

Furnish the original and one copy of these records in report form to the Government by 10:00 AM the next working day after the date covered by the report. As a minimum, prepare and submit one report for every 7 days of no work and on the last day of a no work period. All calendar days need to be accounted for throughout the life of the Contract. The first report following a day of no work will be for that day only. Reports need to be signed and dated by the QC Manager. Include copies of test reports and copies of reports prepared by all subordinate quality control personnel within the QC Manager Report.

1.11.4 Quality Control Validation

Establish and maintain the following in an electronic folder. Divide folder into a series of tabbed sections as shown below. Ensure folder is updated at each required progress meeting.

- a. CQC Meeting minutes in accordance with paragraph QUALITY CONTROL (QC) MEETINGS.
- b. All completed Preparatory and Initial Phase Checklists, arranged by specification section, further sorted by DFOV referenced to the construction schedule. Submit each individual Phase Checklist the day the phase event occurs as part of the CQC daily report.
- c. All milestone inspections, arranged by Activity Number referenced to the construction schedule.
- d. An up-to-date copy of the Testing Plan and Log with supporting field test reports, arranged by specification section referenced to the DFOV to which individual reports results are associated. Individual field test reports will be submitted within 2 working days after the test is performed in accordance with the paragraph QUALITY CONTROL ACTIVITIES.
- e. Copies of all Contract modifications, arranged in numerical order. Also include documentation that modified work was accomplished.

- f. An up-to-date copy of the paragraph DEFICIENCY/REWORK ITEMS LIST.
- g. Upon commencement of Completion Inspections of the entire project or any defined portion, maintain up-to-date copies of all punch lists issued by the QC staff to the Contractor and subcontractors and all punch lists issued by the Government in accordance with the paragraph COMPLETION INSPECTIONS.

1.11.5 Testing Plan and Log

As tests are performed, the QC Manager will record on the "Testing Plan and Log" the date the test was performed and the date the test results were forwarded to the Contracting Officer. Attach a copy of the updated "Testing Plan and Log" to the last daily CQC Report of each month. Provide a copy of the final "Testing Plan and Log" to the preparer of the Operation & Maintenance (O&M) documentation.

1.11.6 As-Built Drawings

The QC Manager must ensure the as-built drawings, required by Section 01 78 00 CLOSEOUT SUBMITTALS are kept current on a daily basis and marked to show deviations which have been made from the Contract drawings. The as-built drawings document commences with the QC Manager ensuring all amendments, or changes to the Contract prior to Contract award are accurately noted in the initial document set creating the accurate baseline of the Contract prior to any work starting. Ensure each deviation has been identified with the appropriate modifying documentation (e.g., PC No., Modification No., Request for Information No.). The QC Manager must initial each revision. Upon completion of work, the QC Manager will furnish a certificate attesting to the accuracy of the as-built drawings prior to submission to the Contracting Officer.

1.12 NOTIFICATION ON NON-COMPLIANCE

The Contracting Officer will notify the Contractor of any detected non-compliance with the Contract. Take immediate corrective action after receipt of such notice. Such notice, when delivered to the Contractor at the work site, is deemed sufficient for the purpose of notification. If the Contractor fails or refuses to comply promptly, the Contracting Officer may issue an order stopping all or part of the work until satisfactory corrective action has been taken. No part of the time lost due to such stop orders will be made the subject of a claim for extension of time for excess costs or damages by the Contractor.

1.13 DELIVERY, STORAGE, AND HANDLING

Designate receiving/storage areas for incoming material to be delivered according to installation schedule and to be placed convenient to work area in order to minimize waste due to excessive materials handling and misapplication. Store and handle materials in a manner as to prevent loss from weather and other damage. Keep materials, products, and accessories covered and off the ground, and store in a dry, secure area. Prevent contact with material that may cause corrosion, discoloration, or staining. Protect all materials and installations from damage by the activities of other trades.

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

Not used.

-- End of Section --

SECTION 01 45 00.15 10

RESIDENT MANAGEMENT SYSTEM CONTRACTOR MODE (RMS CM)
11/23

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this section to the extent referenced. The publications are referred to within the text by the basic designation only.

U.S. ARMY CORPS OF ENGINEERS (USACE)

EM 385-1-1 (2024) Safety -- Safety and Occupational
Health (SOH) Requirements

1.2 MEASUREMENT AND PAYMENT

The work of this section is not measured for payment. The Contractor is responsible for the work of this section, without any direct compensation other than the payment received for contract items.

1.3 CONTRACT ADMINISTRATION

The Government will use the Resident Management System (RMS) to assist in its monitoring and administration of this contract. The Government accesses the system using the Government Mode of RMS (RMS GM) and the Contractor accesses the system using the Contractor Mode (RMS CM). The term RMS will be used in the remainder of this section for both RMS GM and RMS CM. The joint Government-Contractor use of RMS facilitates electronic exchange of information and overall management of the contract. The Contractor accesses RMS to record, maintain, input, track, and electronically share information with the Government throughout the contract period in the following areas:

- Administration
- Finances
- Quality Control
- Submittal Monitoring
- Scheduling
- Closeout
- Import/Export of Data

1.3.1 Correspondence and Electronic Communications

For ease and speed of communications, exchange correspondence and other documents in electronic format to the maximum extent feasible. Some documents such as correspondence, including pay requests and payrolls, may be required in paper format with original signatures. Paper documents will govern in the event of discrepancy with the electronic version. Contracting Officer will determine which documents require submission of paper copies.

1.3.2 Other Factors

Other portions of this document have a direct relationship to the

reporting accomplished through RMS. Particular attention is directed to FAR 52.236-15 Schedules for Construction Contracts; FAR 52.232-27 Prompt Payment for Construction Contracts; FAR 52.232-5 Payments Under Fixed-Priced Construction Contracts; Section 01 32 01.00 10 PROJECT SCHEDULE; Section 01 33 00 SUBMITTAL PROCEDURES; Section 01 35 26 GOVERNMENTAL SAFETY REQUIREMENTS; and Section 01 45 00 QUALITY CONTROL.

1.4 RMS SOFTWARE

RMS is a web based application. Download, install and be able to utilize the latest version of RMS within 7 calendar days of receipt of the Notice to Proceed. RMS software, user manuals, access and installation instructions, program updates and training information are available from the RMS website (<https://rms.usace.army.mil>). The Government and the Contractor will have different access authorities to the same contract database through RMS. The common database will be updated automatically each time a user finalizes an entry or change.

1.5 CONTRACT DATABASE - GOVERNMENT

The Government will enter the basic contract award data in RMS prior to granting the Contractor access. The Government entries into RMS will generally be related to submittal reviews, correspondence status, and Quality Assurance(QA)comments, as well as other miscellaneous administrative information.

1.6 CONTRACT DATABASE - CONTRACTOR

Contractor entries into RMS establish, maintain, and update data throughout the duration of the contract. Contractor entries generally include prime and subcontractor information, daily reports, submittals, RFI's, schedule updates and payment requests. RMS includes the ability to import attachments and export reports in many of the modules, including submittals. The Contractor responsibilities for entries in RMS typically include the following items:

1.6.1 Administration

1.6.1.1 Contractor Information

Enter all current Contractor administrative data and information into RMS within 7 calendar days of receiving access to the contract in RMS. This includes, but is not limited to, Contractor's name, address, telephone numbers, management staff, and other required items.

1.6.1.2 Subcontractor Information

Enter all missing subcontractor administrative data and information into RMS CM within seven calendar days of receiving access to the Contract in RMS or within seven calendar days of the signing of the subcontractor agreement for agreements signed at a later date. This includes name, trade, address, phone numbers, and other required information for all subcontractors. A subcontractor is listed separately for each trade to be performed.

1.6.1.3 Correspondence

Identify all Contractor correspondence to the Government with a serial number. Prefix correspondence initiated by the Contractor's site office

with "S". Prefix letters initiated by the Contractor's home (main) office with "H". Letters are numbered starting from 0001. (e.g., H-0001 or S-0001). The Government's letters to the Contractor will be prefixed with "C" or "RFP".

1.6.1.4 Equipment

Enter and maintain a current list of equipment planned for use or being used on the jobsite, including the most recent and planned equipment inspection dates in accordance with Section 01 45 00 QUALITY CONTROL.

1.6.1.5 Reports

Track the status of the project using the reports available in RMS. The value of these reports reflects the quality of the data input. These reports include but are not limited to the Progress Payment Request worksheet, Quality Control (QC) comments, Deficiency Tracking Log, Submittal Register Status, and Three-Phase Control worksheets in accordance with Sections 01 20 00 PRICE AND PAYMENT PROCEDURES, Section 01 32 01.00 10 PROJECT SCHEDULE, 01 33 00 SUBMITTAL PROCEDURES, and 01 45 00 QUALITY CONTROL.

1.6.1.6 Request For Information (RFI)

Create and track all Requests For Information (RFI) in the RMS Administration Module for Government review and response. Provide status at weekly progress meeting in accordance with Section 01 32 01.00 10 PROJECT SCHEDULE.

1.6.2 Finances

1.6.2.1 Pay Activity Data

Develop and enter a list of pay activities in conjunction with the project schedule in accordance with Section 01 32 01.00 10 PROJECT SCHEDULE. The sum of pay activities equals the total Contract amount, including modifications. Each pay activity must be assigned to a Contract Line Item Number (CLIN). The sum of the activities assigned to a CLIN equals the amount of each CLIN.

1.6.2.2 Payment Requests

Prepare all progress payment requests using RMS. Update the work completed under the Contract at least monthly, measured as percent or as specific quantities. After the update, generate a payment request and prompt payment certification using RMS. Submit the signed prompt payment certification and payment request as well as supporting data, either electronically or by hard copy.

1.6.3 Quality Control (QC)

Enter and track implementation of the 3-phase QC Control System, QC testing, transferred and installed property and warranties in RMS. Link each deficiency and QC test to a pay activity. Prepare daily reports, identify and track deficiencies, document progress of work, and support other Contractor QC requirements in RMS. Maintain all data on a daily basis. Ensure that RMS reflects all quality control methods, tests and actions contained within the Contractor Quality Control (CQC) Plan and Government review comments. Provide within seven calendar days of

Government acceptance of the CQC Plan.

1.6.3.1 Quality Control (QC) Reports

The Contractor's Quality Control (QC) Daily Report in RMS is the official report. The Contractor can use other supplemental formats to record QC data, but information from any supplemental formats are to be consolidated and entered into the RMS QC Daily Report. Any supplemental information may be entered into RMS as an attachment to the report. QC Daily Reports must be finalized and signed in RMS within 24 hours after the date covered by the report.

1.6.3.2 Deficiency Tracking

Use the QC Daily Report Module to enter and track deficiencies. Deficiencies identified and entered into RMS by the Contractor or the Government will be sequentially numbered with a QC or QA prefix for tracking purposes. Enter each deficiency into RMS the same day that the deficiency is identified. Monitor, track and resolve all QC and QA entered deficiencies. A deficiency is not considered to be corrected until the Government indicates concurrence in RMS.

1.6.3.3 Three-Phase Control Meetings

Maintain scheduled and actual dates and times of preparatory and initial control meetings in RMS, and upload meeting minutes of the meetings. Worksheets for the three-phase control meetings are generated within RMS.

1.6.3.4 Labor and Equipment Hours

Enter labor and equipment exposure hours on a daily basis. Roll up the labor and equipment exposure data into a monthly exposure report.

1.6.3.5 Accident/Safety Reporting

Both the Contractor and the Government enter safety related comments in RMS as a deficiency. The Contractor must monitor, track and show resolution for safety issues in the QC Daily Report area of the RMS QC Module. In addition, follow all reporting requirements for accidents and incidents as required in EM 385-1-1, Section 01 35 26 GOVERNMENTAL SAFETY REQUIREMENTS and as required by any other applicable Federal, State or local agencies.

1.6.3.6 Definable Features of Work

Enter each feature of work, as defined in the approved CQC Plan, into the RMS QC Module. A feature of work may be associated with a single or multiple pay activities, however a pay activity is only to be linked to a single feature of work.

1.6.3.7 Activity Hazard Analysis

Import activity hazard analysis electronic document files into the RMS QC Module utilizing the document package manager. Prepare activity hazard analysis in accordance with Section 01 35 26 GOVERNMENT SAFETY REQUIREMENTS.

1.6.4 Submittal Management

Enter all current submittal register data and information into within the time frame directed by the Contracting Officer. Contractor is responsible for entering Activity Numbers for each submittal item corresponding to their Schedule. The Contractor will import the information shown in the submittal register following the specification Section 01 33 00 SUBMITTAL PROCEDURES unless otherwise directed by the Contracting Officer. Group electronic submittal documents into transmittal packages to send to the Government, except very large electronic files, samples, spare parts, mock ups, color boards, or where hard copies are specifically required. Track transmittals and update the submittal register in RMS on a daily basis throughout the duration of the Contract.

Enter all submittals as listed in the approved design's submittal register within 14 calendar days of design approval for construction.

Contractor may request submittals to be added to RMS throughout the lifecycle of the project. Approval/disapproval of Contractor requests is at the discretion of the Contracting Officer. Submittals entry into RMS must be updated daily or as practical for performance of the Contract, as approved by the Contracting Officer.

1.6.5 Schedule

Enter and update the contract project schedule in RMS by either manually entering all schedule data or by importing the Standard Data Exchange Format (SDEF) file, based on the requirements in Section 01 32 01.00 13 PROJECT SCHEDULE.

1.6.6 Closeout

Closeout documents, processes and forms are managed and tracked in RMS by both the Contractor and the Government. Ensure that all closeout documents are entered, completed and documented within RMS.

1.7 IMPLEMENTATION

Use of RMS as described in the preceding paragraphs is mandatory. Ensure that sufficient resources are available to maintain contract data within the RMS system. RMS is an integral part of the Contractor's required management of quality control.

1.8 NOTIFICATION OF NONCOMPLIANCE

Take corrective action within seven calendar days after receipt of notice of RMS non-compliance by the Contracting Officer.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

Not Used

-- End of Section --

4. VERBAL INSTRUCTIONS RECEIVED: (List any instructions given by Government personnel on construction deficiencies. retesting required, etc., with action to be taken.)

5. REMARKS: (Cover any conflicts in plans, specifications or instructions: acceptability of incoming materials: offsite surveillance activities; progress of work, delays, causes and extent thereof; days of no work with reasons for same.)

6. SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective action taken.)

INSPECTOR

CONTRACTOR'S CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed and tests conducted during this reporting period were in strict compliance with the contract plans and specifications except as noted above.

CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

SECTION 02 82 00

ASBESTOS REMEDIATION
11/18, CHG 1: 11/19

PART 1 GENERAL

1.1 Introduction

For the purposes of this project, it is required that all asbestos containing materials removal be coordinated by the contractor(s) performing the work. Due to the proposed scope of work including large scale and broad surface removal efforts that may impact the majority of the building, it is recommended that these processes be coordinated so that they may be conducted in a controlled environment that is appropriate for regulated material component removal. These activities are likely to include removal and disposal of broad surface component removal, such as flooring tile/mastic and door replacements. These operations are regulated by OSHA and may be found in 29 CFR 1962.62.

1.2 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

AMERICAN SOCIETY OF SAFETY PROFESSIONALS (ASSP)

ASSP Z9.2	(2018) Fundamentals Governing the Design and Operation of Local Exhaust Ventilation Systems

ASTM INTERNATIONAL (ASTM)

ASTM C732	(2017; R 2022) Standard Test Method for Aging Effects of Artificial Weathering on Latex Sealants

ASTM D522/D522M	(2017) Mandrel Bend Test of Attached Organic Coatings

ASTM D2794	(1993; R 2019) Standard Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact)

ASTM D4397	(2016) Standard Specification for Polyethylene Sheeting for Construction, Industrial, and Agricultural Applications

ASTM E84	(2023) Standard Test Method for Surface Burning Characteristics of Building Materials

ASTM E96/E96M	(2024) Standard Test Methods for Gravimetric Determination of Water Vapor Transmission Rate of Materials

ASTM E119 (2024) Standard Test Methods for Fire Tests of Building Construction and Materials

ASTM E736/E736M (2019) Standard Test Method for Cohesion/Adhesion of Sprayed Fire-Resistive Materials Applied to Structural Members

ASTM E1368 (2014) Visual Inspection of Asbestos Abatement Projects

COMPRESSED GAS ASSOCIATION (CGA)

CGA G-7 (2014) Compressed Air for Human Respiration; 6th Edition

INTERNATIONAL SAFETY EQUIPMENT ASSOCIATION (ISEA)

ANSI/ISEA Z87.1 (2020) Occupational and Educational Personal Eye and Face Protection Devices

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 701 (2023; ERTA 1 2023) Standard Methods of Fire Tests for Flame Propagation of Textiles and Films

NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH (NIOSH)

NIOSH NMAM (2016; 5th Ed) NIOSH Manual of Analytical Methods

U.S. ARMY CORPS OF ENGINEERS (USACE)

EM 385-1-1 (2024) Safety -- Safety and Occupational Health (SOH) Requirements

U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA)

EPA 340/1-90/018 (1990) Asbestos/NESHAP Regulated Asbestos Containing Materials Guidance

U.S. NATIONAL ARCHIVES AND RECORDS ADMINISTRATION (NARA)

29 CFR 1910.147 The Control of Hazardous Energy (Lock Out/Tag Out)

29 CFR 1926.51 Sanitation

29 CFR 1926.59 Hazard Communication

29 CFR 1926.103 Respiratory Protection

29 CFR 1926.200 Accident Prevention Signs and Tags

29 CFR 1926.1101 Asbestos

40 CFR 61-SUBPART A General Provisions

40 CFR 61-SUBPART M	National Emission Standard for Asbestos
40 CFR 763	Asbestos
42 CFR 84	Approval of Respiratory Protective Devices
49 CFR 107	Hazardous Materials Program Procedures
49 CFR 171	General Information, Regulations, and Definitions
49 CFR 172	Hazardous Materials Table, Special Provisions, Hazardous Materials Communications, Emergency Response Information, and Training Requirements
49 CFR 173	Shippers - General Requirements for Shipments and Packagings

U.S. NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND (NAVFAC)

NAVFAC P-502	(2017) Asbestos Program Management
ND OPNAVINST 5100.23	(2005; Rev G) Navy Occupational Safety and Health (NAVOSH) Program Manual

UNDERWRITERS LABORATORIES (UL)

UL 586	(2009; Reprint Sep 2022) UL Standard for Safety High-Efficiency Particulate, Air Filter Units

1.3 DEFINITIONS

1.3.1 ACM

Asbestos Containing Materials.

1.3.2 Amended Water

Water containing a wetting agent or surfactant with a maximum surface tension of 0.00042 psi.

1.3.3 Area Sampling

Sampling of asbestos fiber concentrations which approximates the concentrations of asbestos in the theoretical breathing zone but is not actually collected in the breathing zone of an employee.

1.3.4 Asbestos

The term asbestos includes chrysotile, amosite, crocidolite, tremolite asbestos, anthophyllite asbestos, and actinolite asbestos and any of these minerals that has been chemically treated or altered. Materials are considered to contain asbestos if the asbestos content of the material is determined to be at least one percent.

1.3.5 Asbestos Control Area

That area where asbestos removal operations are performed which is isolated by physical boundaries which assist in the prevention of the uncontrolled release of asbestos dust, fibers, or debris.

1.3.6 Asbestos Fibers

Those fibers having an aspect ratio of at least 3:1 and longer than 5 micrometers as determined by National Institute for Occupational Safety and Health (NIOSH) Method 7400.

1.3.7 Asbestos Permissible Exposure Limit

0.1 fibers per cubic centimeter of air as an 8-hour time weighted average measured in the breathing zone as defined by 29 CFR 1926.1101 or other Federal legislation having legal jurisdiction for the protection of workers health.

1.3.8 Authorized Person

Any person authorized by the Contractor and required by work duties to be present in the regulated areas.

1.3.9 Background

The ambient airborne asbestos concentration in an uncontaminated area as measured prior to any asbestos hazard abatement efforts. Background concentrations for other (contaminated) areas are measured in similar but asbestos free locations.

1.3.10 Competent Person (CP)

A person meeting the requirements for competent person as specified in 29 CFR 1926.1101 including a person capable of identifying existing asbestos hazards in the workplace and selecting the appropriate control strategy for asbestos exposure, who has the authority to take prompt corrective measures to eliminate them, and is specifically trained in a training course which meet the criteria of EPA's Model Accreditation Plan (40 CFR 763) for project designer or supervisor, or its equivalent.

1.3.11 Contractor

The Contractor is that individual, or entity under contract to perform the herein listed work.

1.3.12 Disposal Bag

A 6 mil thick, leak-tight plastic bag, pre-labeled in accordance with 29 CFR 1926.1101, used for transporting asbestos waste from containment to disposal site.

1.3.13 Disturbance

Activities that disrupt the matrix of ACM, crumble or pulverize ACM, or generate visible debris from ACM. Disturbance includes cutting away small amounts of ACM, no greater than the amount which can be contained in one standard sized glovebag or waste bag, not larger than 60 inches in length and width in order to access a building component.

1.3.14 Encapsulation

The abatement of an asbestos hazard through the appropriate use of chemical encapsulants.

1.3.15 Encapsulants

Specific materials in various forms used to chemically or physically entrap asbestos fibers in various configurations to prevent these fibers from becoming airborne. There are four types of encapsulants as follows which must comply with performance requirements as specified herein.

- a. Removal Encapsulant (can be used as a wetting agent)
- b. Bridging Encapsulant (used to provide a tough, durable surface coating to asbestos containing material)
- c. Penetrating Encapsulant (used to penetrate the asbestos containing material encapsulating all asbestos fibers and preventing fiber release due to routine mechanical damage)
- d. Lock-Down Encapsulant (used to seal off or "lock-down" minute asbestos fibers left on surfaces from which asbestos containing material has been removed).

1.3.16 Friable Asbestos Material

A term defined in 40 CFR 61-SUBPART M and EPA 340/1-90/018 meaning any material which contains more than 1 percent asbestos, as determined using the method specified in 40 CFR 763, Polarized Light Microscopy (PLM), that when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.

1.3.17 Glovebag Technique

Those asbestos removal and control techniques put forth in 29 CFR 1926.1101.

1.3.18 Government Consultant (GC)

That qualified person employed directly by the Government to monitor, sample, inspect the work or in some other way advise the Contracting Officer. The GC is normally a private consultant, but can be an employee of the Government.

1.3.19 HEPA Filter Equipment

High efficiency particulate air (HEPA) filtered vacuum and exhaust ventilation equipment with a filter system capable of collecting and retaining asbestos fibers. Filters must retain 99.97 percent of particles 0.3 microns or larger as indicated in UL 586.

1.3.20 Model Accreditation Plan (MAP)

USEPA training accreditation requirements for persons who work with asbestos as specified in 40 CFR 763.

1.3.21 Negative Pressure Enclosure (NPE)

That engineering control technique described as a negative pressure enclosure in 29 CFR 1926.1101.

1.3.22 NESHAP

National Emission Standards for Hazardous Air Pollutants. The USEPA NESHAP regulation for asbestos is at 40 CFR 61-SUBPART M.

1.3.23 Nonfriable Asbestos Material

Material that contains asbestos in which the fibers have been immobilized by a bonding agent, coating, binder, or other material so that the asbestos is well bound and will not normally release asbestos fibers during any appropriate use, handling, storage or transportation. It is understood that asbestos fibers may be released under other conditions such as demolition, removal, or mishap.

1.3.24 Permissible Exposure Limits (PELs)

1.3.24.1 PEL-Time Weighted Average(TWA)

Concentration of asbestos not in excess of 0.1 fibers per cubic centimeter of air (f/cc) as an 8-hour time weighted average (TWA).

1.3.24.2 PEL-Excursion Limit

An airborne concentration of asbestos not in excess of 1.0 f/cc of air as averaged over a sampling period of 30 minutes.

1.3.25 Personal Sampling

Air sampling which is performed to determine asbestos fiber concentrations within the breathing zone of a specific employee, as performed in accordance with 29 CFR 1926.1101.

1.3.26 Private Qualified Person (PQP)

That qualified person hired by the Contractor to perform the herein listed tasks.

1.3.27 Qualified Person (QP)

A Registered Architect, Professional Engineer, Certified Industrial Hygienist, consultant or other qualified person who has successfully completed training and is therefore accredited under a legitimate State Model Accreditation Plan as described in 40 CFR 763 as a Building Inspector, Contractor/Supervisor Abatement Worker, and Asbestos Project Designer; and has successfully completed the National Institute of Occupational Safety and Health (NIOSH) 582 course "Sampling and Evaluating Airborne Asbestos Dust" or equivalent. The QP must be qualified to perform visual inspections as indicated in ASTM E1368.

1.3.28 TEM

Refers to Transmission Electron Microscopy.

1.3.29 Time Weighted Average (TWA)

The TWA is an 8-hour time weighted average airborne concentration of asbestos fibers.

1.3.30 Transite

A generic name for asbestos cement wallboard and pipe.

1.3.31 Wetting Agent

A chemical added to water to reduce the water's surface tension thereby increasing the water's ability to soak into the material to which it is applied. An equivalent wetting agent must have a surface tension of at most 0.00042 psi.

1.3.32 Worker

Individual (not designated as the Competent Person or a supervisor) who performs asbestos work and has completed asbestos worker training required by 29 CFR 1926.1101, to include EPA Model Accreditation Plan (MAP) "Worker" training; accreditation, if required by the OSHA Class of work to be performed or by the state where the work is to be performed.

1.4 REQUIREMENTS

1.4.1 Description of Work

The work covered by this section includes the handling and control of asbestos containing materials and describes some of the resultant procedures and equipment required to protect workers, the environment and occupants of the building or area, or both, from contact with airborne asbestos fibers. The work also includes the disposal of any asbestos containing materials generated by the work. More specific operational procedures must be outlined in the Asbestos Hazard Abatement Plan called for elsewhere in this specification. The asbestos work includes the demolition and removal of flooring mastic, flooring tile, and fire doors which is governed by 40 CFR 763 and NAVFAC P-502. These materials have been previously tested and found to contain asbestos. Under normal conditions non-friable or chemically bound materials containing asbestos would not be considered hazardous; however, this material may release airborne asbestos fibers during demolition and removal and therefore must be handled in accordance with the removal and disposal procedures as specified herein. Provide negative pressure enclosure techniques as outlined in this specification. The work area will be evacuated during the asbestos abatement work. A competent person must supervise asbestos removal work as specified herein.

1.4.2 Unexpected Discovery of Asbestos

Notify the Contracting Officer if any previously untested building components suspected to contain asbestos are impacted by the work.

1.4.3 Medical Requirements

Provide medical requirements including but not limited to medical surveillance and medical record keeping as listed in 29 CFR 1926.1101.

1.4.3.1 Medical Examinations

Before exposure to airborne asbestos fibers, provide workers with a comprehensive medical examination as required by 29 CFR 1926.1101 or other pertinent State or local directives. This requirement must have been satisfied within the 12 months prior to the start of work on this contract. The same medical examination must be given on an annual basis to employees engaged in an occupation involving asbestos and within 30 calendar days before or after the termination of employment in such occupation. Specifically identify x-ray films of asbestos workers to the consulting radiologist and mark medical record jackets with the word "ASBESTOS."

1.4.3.2 Medical Records

Maintain complete and accurate records of employees' medical examinations, medical records, and exposure data for a period of 50 years after termination of employment and make records of the required medical examinations and exposure data available for inspection and copying to: The Assistant Secretary of Labor for Occupational Safety and Health (OSHA), or authorized representatives of them, and an employee's physician upon the request of the employee or former employee.

1.4.4 Employee Training

Submit certificates, prior to the start of work but after the main abatement submittal, signed by each employee indicating that the employee has received training in the proper handling of materials and wastes that contain asbestos in accordance with 40 CFR 763; understands the health implications and risks involved, including the illnesses possible from exposure to airborne asbestos fibers; understands the use and limits of the respiratory equipment to be used; and understands the results of monitoring of airborne quantities of asbestos as related to health and respiratory equipment as indicated in 29 CFR 1926.1101 on an initial and annual basis. Organize certificates by individual worker, not grouped by type of certification. Train personnel involved in the asbestos control work in accordance with United States Environmental Protection Agency (USEPA) Asbestos Hazard Emergency Response Act (AHERA) training criteria or State training criteria whichever is more stringent. Document the training by providing: dates of training, training entity, course outline, names of instructors, and qualifications of instructors upon request by the Contracting Officer. Furnish each employee with respirator training and fit testing administered by the PQP as required by 29 CFR 1926.1101 and 29 CFR 1926.103. Fully cover engineering and other hazard control techniques and procedures.

1.4.5 Permits, Licenses, and Notifications

Prior to the start of work, obtain necessary permits and licenses in conjunction with asbestos removal, encapsulation, hauling, and disposition, and furnish notification of such actions required by Federal, State, regional, and local authorities. Notify the Alabama Department of Environmental Management (ADEM) and the Contracting Officer in writing 10 working days prior to commencement of work in accordance with 40 CFR 61-SUBPART M. Notify the Contracting Officer and other appropriate Government agencies in writing 20 working days prior to the start of asbestos work as indicated in applicable laws, ordinances, criteria, rules, and regulations. Submit copies of all Notifications to the Contracting Officer.

1.4.6 Environment, Safety and Health Compliance

In addition to detailed requirements of this specification, comply with those applicable laws, ordinances, criteria, rules, and regulations of Federal, State, regional, and local authorities regarding handling, storing, transporting, and disposing of asbestos waste materials. Comply with the applicable requirements of the current issue of EM 385-1-1, 29 CFR 1926.1101, 40 CFR 61-SUBPART A, 40 CFR 61-SUBPART M, 40 CFR 763 and ND OPNAVINST 5100.23. Submit matters of interpretation of standards to the appropriate administrative agency for resolution before starting the work. Where the requirements of this specification, applicable laws, rules, criteria, ordinances, regulations, and referenced documents vary, the most stringent requirement as defined by the Government apply. The following laws, ordinances, criteria, rules and regulations regarding removal, handling, storing, transporting and disposing of asbestos materials apply:

1.4.7 Respiratory Protection Program

Establish and implement a respirator program as required by 29 CFR 1926.1101, and 29 CFR 1926.103. Submit a written description of the program to the Contracting Officer. Submit a written program manual or operating procedure including methods of compliance with regulatory statutes.

1.4.7.1 Respirator Program Records

Submit records of the respirator program as required by 29 CFR 1926.103, and 29 CFR 1926.1101.

1.4.7.2 Respirator Fit Testing

The Contractor's PQP must conduct a qualitative or quantitative fit test conforming to 29 CFR 1926.103 for each worker required to wear a respirator, and any authorized visitors who enter a regulated area where respirators are required to be worn. A respirator fit test must be performed prior to initially wearing a respirator and every 12 months thereafter. If physical changes develop that will affect the fit, a new fit test must be performed. Functional fit checks must be performed each time a respirator is put on and in accordance with the manufacturer's recommendation.

1.4.7.3 Respirator Selection and Use Requirements

Provide respirators, and ensure that they are used as required by 29 CFR 1926.1101 and in accordance with CGA G-7 and the manufacturer's recommendations. Respirators must be approved by the National Institute for Occupational Safety and Health NIOSH, under the provisions of 42 CFR 84, for use in environments containing airborne asbestos fibers. For air-purifying respirators, the particulate filter must be high-efficiency particulate air (HEPA)/(N-,R-,P-100). The initial respirator selection and the decisions regarding the upgrading or downgrading of respirator type must be made by the Contractor's Designated IH based on the measured or anticipated airborne asbestos fiber concentrations to be encountered.

1.4.8 Asbestos Hazard Control Supervisor

The Contractor must be represented on site by a supervisor, trained using

the model Contractor accreditation plan as indicated in the Federal statutes for all portions of the herein listed work.

1.4.9 Hazard Communication

Adhere to all parts of 29 CFR 1926.59 and provide the Contracting Officer with a copy of the Safety Data Sheets (SDS) for all materials brought to the site.

1.4.10 Asbestos Hazard Abatement Plan

Submit a detailed plan of the safety precautions such as lockout, tagout, tryout, fall protection, and confined space entry procedures and equipment and work procedures to be used in the encapsulation removal and demolition of materials containing asbestos. The plan, not to be combined with other hazard abatement plans, must be prepared, signed, and sealed by the PQP. Provide a Table of Contents for each abatement submittal, which follows the sequence of requirements in the contract. The plan must include but not be limited to the precise personal protective equipment to be used including, but not limited to, respiratory protection, type of whole-body protection and if reusable coveralls are to be employed decontamination methods (operations and quality control plan), the location of asbestos control areas including clean and dirty areas, buffer zones, showers, storage areas, change rooms, removal encapsulation method, interface of trades involved in the construction, sequencing of asbestos related work, disposal plan, type of wetting agent and asbestos sealer to be used, locations of local exhaust equipment, planned air monitoring strategies, and a detailed description of the method to be employed in order to control environmental pollution. The plan must also include (both fire and medical emergency) response plans and an Activity Hazard Analyses (AHAs) in accordance with EM 385-1-1. The Asbestos Hazard Abatement Plan must be approved in writing prior to starting any asbestos work. The Contractor, Asbestos Hazard Control Supervisor,, CP and PQP must meet with the Contracting Officer prior to beginning work, to discuss in detail the Asbestos Hazard Abatement Plan, including work procedures and safety precautions. Once approved by the Contracting Officer, the plan will be enforced as if an addition to the specification. Any changes required in the specification as a result of the plan must be identified specifically in the plan to allow for free discussion and approval by the Contracting Officer prior to starting work.

1.4.11 Testing Laboratory

Submit the name, address, and telephone number of each testing laboratory selected for the sampling, analysis, and reporting of airborne concentrations of asbestos fibers along with evidence that each laboratory selected holds the appropriate State license and permits and certification that each laboratory is American Industrial Hygiene Association (AIHA) accredited and that persons counting the samples have been judged proficient by current inclusion on the AIHA Asbestos Analysis Registry (AAR) and successful participation of the laboratory in the Proficiency Analytical Testing (PAT) Program. Where analysis to determine asbestos content in bulk materials or transmission electron microscopy is required, submit evidence that the laboratory is accredited by the National Institute of Science and Technology (NIST) under National Voluntary Laboratory Accreditation Program (NVLAP) for asbestos analysis. The testing laboratory firm must be independent of the asbestos contractor and must have no employee or employer relationship which could constitute a conflict of interest.

1.4.12 Landfill Approval

Submit written evidence that the landfill is approved for asbestos disposal by the U.S. Environmental Protection Agency, Region 4, Air Enforcement Section (38W12) and ADEM, Special Services Section, Air Division, in accordance with ADEM Code 335-13-4-.26(2). Within three working days after delivery, submit detailed delivery tickets, prepared, signed, and dated by an agent of the landfill, certifying the amount of asbestos materials delivered to the landfill. Submit a copy of the waste shipment records within one day of the shipment leaving the project site.

1.4.13 Transporter Certification

Submit written evidence that the transporter is approved to transport asbestos waste in accordance with the DOT requirements of 49 CFR 171, 49 CFR 172 and 49 CFR 173 as well as registration requirements of 49 CFR 107 and all other State and local regulatory agency requirements.

1.4.14 Medical Certification

Provide a written certification for each worker and supervisor, signed by a licensed physician indicating that the worker and supervisor has met or exceeded all of the medical prerequisites listed herein and in 29 CFR 1926.1101 and 29 CFR 1926.103 as prescribed by law. Submit certificates prior to the start of work but after the main abatement submittal.

1.5 SUBMITTALS

Government approval is required for submittals with a "G" or "S" classification. Submittals not having a "G" or "S" classification are for Contractor Quality Control approval. Submittals not having a "G" or "S" classification are for information only. When used, a code following the "G" classification identifies the office that will review the submittal for the Government. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-03 Product Data

Amended Water; G, CO

Safety Data Sheets (SDS) for All Materials; G, CO

Encapsulants; G, CO

Respirators; G, CO

Local Exhaust Equipment; G, CO

Pressure Differential Automatic Recording Instrument; G, CO

Vacuums; G, CO

Glovebags; G, CO

SD-06 Test Reports

Air Sampling Results; G, CO

Pressure Differential Recordings for Local Exhaust System; G, CO

Clearance Sampling; G, CO

Asbestos Disposal Quantity Report; G, CO

SD-07 Certificates

Employee Training; G, CO

Notifications; G, CO

Respiratory Protection Program; G, CO

Asbestos Hazard Abatement Plan; G, CO

Testing Laboratory; G, CO

Landfill Approval; G, CO

Delivery Tickets; G, CO

Waste Shipment Records; G, CO

Transporter Certification; G, CO

Medical Certification; G, CO

Private Qualified Person Documentation; G, CO

Designated Competent Person; G, CO

Worker's License; G, CO

Contractor's License; G, CO

Federal, State or Local Citations on Previous Projects; G, CO

Encapsulants; G, CO

Equipment Used to Contain Airborne Asbestos Fibers; G, CO

Water Filtration Equipment; G, CO

Vacuums; G, CO

Ventilation Systems; G, CO

SD-11 Closeout Submittals

Permits and Licenses; G, CO

Notifications; G, CO

Respirator Program Records; G, CO

Protective Clothing Decontamination Quality Control Records; G, CO

Protective Clothing Decontamination Facility Notification; G, CO
Rental Equipment; G, CO

1.6 QUALITY ASSURANCE

1.6.1 Private Qualified Person Documentation

Submit the name, address, and telephone number of the Private Qualified Person (PQP) selected to prepare the Asbestos Hazard Abatement Plan, direct monitoring and training, and documented evidence that the PQP has successfully completed training in and is accredited and where required is certified as, a Building Inspector, Contractor/Supervisor Abatement Worker, and Asbestos Project Designer as described by 40 CFR 763 and has successfully completed the National Institute of Occupational Safety and Health (NIOSH) 582 course "Sampling and Evaluating Airborne Asbestos Dust" or equivalent. The PQP and the asbestos contractor must not have an employee/employer relationship or financial relationship which could constitute a conflict of interest. The PQP must be a first tier subcontractor.

1.6.2 Designated Competent Person Documentation

The Designated Competent Person must be experienced in the administration and supervision of asbestos abatement projects including exposure assessment and monitoring, work practices, abatement methods, protective measures for personnel, setting up and inspecting asbestos abatement work areas, evaluating the integrity of containment barriers, placement and operation of local exhaust systems, ACM generated waste containment and disposal procedures, decontamination units installation and maintenance requirements, site safety and health requirements, notification of other employees onsite, and asbestos waste container labeling and disposal. The Designated Competent Person must be on-site at all times when asbestos abatement activities are underway. Submit training certification and a current State of Alabama Asbestos Contractor's and Supervisor's License. Submit evidence that the Designated Competent Person has a minimum of 2 years of on-the-job asbestos abatement experience relevant to OSHA designated competent person requirements. The Designated Competent Person must be a first tier subcontractor.

1.6.3 Worker's License

Submit documentation that workers meet the requirements of 29 CFR 1926.1101, 40 CFR 61-SUBPART M and have a current State of Alabama Asbestos Workers License.

1.6.4 Contractor's License

Submit a copy of the asbestos contractor's license issued by the State of Alabama. Submit the following certification along with the license: "I certify that the personnel I am responsible for during the course of this project fully understand the contents of 29 CFR 1926.1101, 40 CFR 61-SUBPART M, EM 385-1-1, and the Federal, State and local requirements for those asbestos abatement activities that they will be involved in." This certification statement must be signed by the Company's President or Chief Executive.

1.6.5 Air Sampling Results

Complete fiber counting and provide results to the PQP and GC for review within 16 hours of the "time off" of the sample pump. Notify the Contracting Officer immediately of any airborne levels of asbestos fibers in excess of the acceptable limits. Submit sampling results to the Contracting Officer and the affected Contractor employees where required by law within three working days, signed by the testing laboratory employee performing air sampling, the employee that analyzed the sample, and the PQP and GC. Notify the Contractor and the Contracting Officer immediately of any variance in the pressure differential which could cause adjacent unsealed areas to have asbestos fiber concentrations in excess of 0.01 fibers per cubic centimeter or background whichever is higher. In no circumstance must levels exceed 0.1 fibers per cubic centimeter.

1.6.6 Pressure Differential Recordings for Local Exhaust System

Provide a local exhaust system that creates a negative pressure of at least 0.02 inches of water relative to the pressure external to the enclosure and operate it continuously, 24-hours a day, until the temporary enclosure of the asbestos control area is removed. Submit pressure differential recordings for each work day to the PQP and GC for review and to the Contracting Officer within 24-hours from the end of each work day.

1.6.7 Protective Clothing Decontamination Quality Control Records

Provide all records that document quality control for the decontamination of reusable outer protective clothing.

1.6.8 Protective Clothing Decontamination Facility Notification

Submit written evidence that persons who decontaminate, store, or transport asbestos contaminated clothing used in the performance of this contract were duly notified in accordance with 29 CFR 1926.1101.

1.6.9 Federal, State or Local Citations on Previous Projects

Submit a statement, signed by an officer of the company, containing a record of any citations issued by Federal, State or local regulatory agencies relating to asbestos activities within the last 5 years (including projects, dates, and resolutions); a list of penalties incurred through non-compliance with asbestos project specifications, including liquidated damages, overruns in scheduled time limitations and resolutions; and situations in which an asbestos-related contract has been terminated (including projects, dates, and reasons for terminations). If there are none, a negative declaration signed by an officer of the company must be provided.

1.6.10 Preconstruction Conference

Conduct a safety preconstruction conference to discuss the details of the Asbestos Hazard Abatement Plan, Accident Prevention Plan (APP) including the AHAs required in specification Section 01 35 26 GOVERNMENTAL SAFETY REQUIREMENTS. The safety preconstruction conference must include the Contractor and their Designated Competent Person, Designated IH and Project Supervisor and the Contracting Officer. Deficiencies in the APP will be discussed. Onsite work must not begin until the APP has been accepted.

1.7 SECURITY

Each entrance and waste exit point to each regulated area must be physically secured by posting of asbestos abatement personnel during all times of active asbestos abatement. At any time work is not in progress including breaks, lunches, and off shifts, each entrance and waste exit point must be secured by personnel or locked doors with proper signage posted. Each entrance must also include contact name(s) and phone number(s) for emergencies and must be provided for each regulated area. A log book must be kept documenting entry into and out of the regulated area. Entry into regulated areas must only be by personnel authorized by the Contractor and the Contracting Officer. Personnel authorized to enter regulated areas must be trained, medically evaluated, and wear the required personal protective equipment.

1.8 EQUIPMENT

1.8.1 Rental Equipment

Provide a copy of the written notification to the rental company concerning the intended use of the equipment and the possibility of asbestos contamination of the equipment.

PART 2 PRODUCTS

2.1 ENCAPSULANTS

Encapsulants must conform to current USEPA requirements, contain no toxic or hazardous substances as defined in 29 CFR 1926.59, and conform to the following performance requirements.

2.1.1 Removal Encapsulants

<u>Requirement</u>	<u>Test Standard</u>
Flame Spread - 25, Smoke Emission - 50	ASTM E84
Life Expectancy - 20 years	ASTM C732 Accelerated Aging Test
Permeability - Minimum 0.4 perms	ASTM E96/E96M
Fire Resistance - Negligible affect on fire resistance rating over 3 hour test (Classified by UL for use over fibrous and cementitious sprayed fireproofing)	ASTM E119
Impact Resistance - Minimum 43 in/lb	ASTM D2794 Gardner Impact Test
Flexibility - no rupture or cracking	ASTM D522/D522M Mandrel Bend Test

2.1.2 Bridging Encapsulant

<u>Requirement</u>	<u>Test Standard</u>
Flame Spread - 25, Smoke Emission - 50	ASTM E84
Life Expectancy - 20 years	ASTM C732 Accelerated Aging Test
Permeability - Minimum 0.4 perms	ASTM E96/E96M
Fire Resistance - Negligible affect on fire resistance rating over 3-hour test (Classified by UL for use over fibrous and cementitious sprayed fireproofing)	ASTM E119
Impact Resistance - Minimum 43 in/lb	ASTM D2794 Gardner Impact Test
Flexibility - no rupture or cracking	ASTM D522/D522M Mandrel Bend Test

2.1.3 Penetrating Encapsulant

<u>Requirement</u>	<u>Test Standard</u>
Flame Spread - 25, Smoke Emission - 50	ASTM E84
Life Expectancy - 20 years	ASTM C732 Accelerated Aging Test
Permeability - Minimum 0.4 perms	ASTM E96/E96M
Cohesion/Adhesion Test - 50 pounds of force/foot	ASTM E119
Fire Resistance - Negligible affect on fire resistance rating over 3-hour test (Classified by UL for use over fibrous and cementitious sprayed fireproofing)	ASTM E119
Impact Resistance - Minimum 43 in/lb	ASTM D2794 Gardner Impact Test
Flexibility - no rupture or cracking	ASTM D522/D522M Mandrel Bend Test

2.1.4 Lock-down Encapsulant

<u>Requirement</u>	<u>Test Standard</u>
Flame Spread - 25, Smoke Emission - 50	ASTM E84
Life Expectancy - 20 years	ASTM C732 Accelerated Aging Test
Permeability - Minimum 0.4 perms	ASTM E96/E96M
Fire Resistance - Negligible affect on fire resistance rating over 3-hour test (Tested with fireproofing over encapsulant applied directly to steel member)	ASTM E119
Bond Strength: 100 pounds of force/foot	ASTM E736/E736M
(Tests compatibility with cementitious and fibrous fireproofing)	

2.2 DUCT TAPE

Industrial grade duct tape of appropriate widths suitable for bonding sheet plastic and disposal container.

2.3 DISPOSAL CONTAINERS

Leak-tight (defined as solids, liquids, or dust that cannot escape or spill out) disposal containers must be provided for ACM wastes as required by 29 CFR 1926.1101. Disposal containers can be in the form of:

- a. Disposal Bags
- b. Fiberboard Drums
- c. Cardboard Boxes

2.4 SHEET PLASTIC

Sheet plastic must be polyethylene of 6 mil minimum thickness and must be provided in the largest sheet size necessary to minimize seams. Film must conform to ASTM D4397, except as specified below

2.4.1 Flame Resistant

Where a potential for fire exists, flame-resistant sheets must be provided. Film must conform to the requirements of NFPA 701.

2.4.2 Reinforced

Reinforced sheets must be provided where high skin strength is required, such as where it constitutes the only barrier between the regulated area

and the outdoor environment. The sheet stock must consist of translucent, nylon-reinforced or woven-polyethylene thread laminated between 2 layers of polyethylene film. Film must meet flame resistant standards of NFPA 701.

2.5 MASTIC REMOVING SOLVENT

Mastic removing solvent must be nonflammable and must not contain methylene chloride, glycol ether, or halogenated hydrocarbons. Solvents used onsite must have a flash point greater than 140 degrees F.

2.6 LEAK-TIGHT WRAPPING

Two layers of 6 mil minimum thick polyethylene sheet stock must be used for the containment of removed asbestos-containing components or materials such as large tanks, boilers, insulated pipe segments and other materials. Upon placement of the ACM component or material, each layer must be individually leak-tight sealed with duct tape.

2.7 VIEWING INSPECTION WINDOW

Where feasible, a minimum of one clear, 1/8 inch thick, acrylic sheet, 18 by 24 inches, must be installed as a viewing inspection window at eye level on a wall in each containment enclosure. The windows must be sealed leak-tight with industrial grade duct tape.

2.8 WETTING AGENTS

Removal encapsulant (a penetrating encapsulant) must be provided when conducting removal abatement activities that require a longer removal time or are subject to rapid evaporation of amended water. The removal encapsulant must be capable of wetting the ACM and retarding fiber release during disturbance of the ACM greater than or equal to that provided by amended water. Performance requirements for penetrating encapsulants are specified in paragraph ENCAPSULANTS above.

PART 3 EXECUTION

3.1 EQUIPMENT

Provide the Contracting Officer or the Contracting Officer's Representative, with at least two complete sets of personal protective equipment per day, including decontaminating reusable coveralls, as required for entry to and inspection of the asbestos control area. Provide equivalent training to the Contracting Officer or a designated representative as provided to Contractor employees in the use of the required personal protective equipment. Provide manufacturer's certificate of compliance for all equipment used to contain airborne asbestos fibers.

3.1.1 Air Monitoring Equipment

The Contractor's PQP must approve air monitoring equipment. The equipment must include, but must not be limited to:

- a. High-volume sampling pumps that can be calibrated and operated at a constant airflow up to 16 liters per minute.
- b. Low-volume, battery powered, body-attachable, portable personal pumps that can be calibrated to a constant airflow up to approximately 3.5

liters per minute, and a self-contained rechargeable power pack capable of sustaining the calibrated flow rate for a minimum of 10 hours. The pumps must also be equipped with an automatic flow control unit which must maintain a constant flow, even as filter resistance increases due to accumulation of fiber and debris on the filter surface.

- c. Single use standard 25 mm diameter cassette, open face, 0.8 micron pore size, mixed cellulose ester membrane filters and cassettes with 50 mm electrically conductive extension cowl, and shrink bands for personal air sampling.
- d. Single use standard 25 mm diameter cassette, open face, 0.45 micron pore size, mixed cellulose ester membrane filters and cassettes with 50 mm electrically conductive cowl, and shrink bands when conducting environmental area sampling using NIOSH NMAM Methods 7400 and 7402, (and the transmission electric microscopy method specified at 40 CFR 763 if required).
- e. A flow calibrator capable of calibration to within plus or minus 2 percent of reading over a temperature range of minus 4 to plus 140 degrees F and traceable to a NIST primary standard.

3.1.2 Respirators

Select respirators from those approved by the National Institute for Occupational Safety and Health (NIOSH), Department of Health and Human Services.

3.1.2.1 Respirators for Handling Asbestos

Provide personnel engaged in pre-cleaning, cleanup, handling, removal and demolition of asbestos materials with respiratory protection as indicated in 29 CFR 1926.1101 and 29 CFR 1926.103. Breathing air must comply with CGA G-7.

3.1.3 Exterior Whole Body Protection

3.1.3.1 Outer Protective Clothing

Provide personnel exposed to asbestos with disposable "non-breathable," or reusable "non-breathable" whole body outer protective clothing, head coverings, gloves, and foot coverings. Provide disposable plastic or rubber gloves to protect hands. Cloth gloves may be worn inside the plastic or rubber gloves for comfort, but must not be used alone. Make sleeves secure at the wrists, make foot coverings secure at the ankles, and make clothing secure at the neck by the use of tape. Reusable whole body outer protective clothing must be either disposed of as asbestos contaminated waste upon exiting from the asbestos regulated work area or be properly decontaminated.

3.1.3.2 Work Clothing

Provide cloth work clothes for wear under the outer protective clothing and foot coverings and either dispose of or properly decontaminate them as recommended by the GC and PQP after each use.

3.1.3.3 Personal Decontamination Unit

Provide a temporary, negative pressure unit with a separate decontamination locker room and clean locker room with a shower that complies with 29 CFR 1926.51(f)(4)(ii) through (V) in between for personnel required to wear whole body protective clothing. Provide two separate lockers for each asbestos worker, one in each locker room. Keep street clothing and street shoes in the clean locker. HEPA vacuum and remove asbestos contaminated disposable protective clothing while still wearing respirators at the boundary of the asbestos work area and seal in impermeable bags or containers for disposal. HEPA vacuum and remove asbestos contaminated reusable protective clothing while still wearing respirators at the boundary of the asbestos work area, seal in two impermeable bags, label outer bag as asbestos contaminated waste, and transport for decontamination. Do not wear work clothing between home and work. Locate showers between the decontamination locker room and the clean locker room and require that all employees shower before changing into street clothes. Collect used shower water and filter with approved water filtration equipment to remove asbestos contamination. Wastewater filters must be installed in series with the first stage pore size 20 microns and the second stage pore size of 5 microns. Dispose of filters and residue as asbestos waste. Discharge clean water to the sanitary system. Dispose of asbestos contaminated work clothing as asbestos contaminated waste or properly decontaminate as specified in the Contractor's Asbestos Hazard Abatement Plan. Keep the floor of the decontamination unit's clean room dry and clean at all times. Proper housekeeping and hygiene requirements must be maintained. Provide soap and towels for showering, washing and drying. Cloth towels provided must be disposed of as ACM waste or must be laundered in accordance with 29 CFR 1926.1101. Physically attach the decontamination units to the asbestos control area. Construct both a personnel decontamination unit and an equipment decontamination unit onto and integral with each asbestos control area.

3.1.3.4 Eye Protection

Provide eye protection that complies with ANSI/ISEA Z87.1 when operations present a potential eye injury hazard. Provide goggles to personnel engaged in asbestos abatement operations when the use of a full face respirator is not required.

3.1.4 Regulated Areas

All Class I, II, and III asbestos work must be conducted within regulated areas. The regulated area must be demarcated to minimize the number of persons within the area and to protect persons outside the area from exposure to airborne asbestos. Control access to regulated areas, ensure that only authorized personnel enter, and verify that Contractor required medical surveillance, training and respiratory protection program requirements are met prior to allowing entrance.

3.1.5 Load-out Unit

Provide a temporary load-out unit that is adjacent and connected to the regulated area. Attach the load-out unit in a leak-tight manner to each regulated area.

3.1.6 Warning Signs and Labels

Provide warning signs at all approaches to asbestos control areas. Locate signs at such a distance that personnel may read the sign and take the necessary protective steps required before entering the area. Provide labels and affix to all asbestos materials, scrap, waste, debris, and other products contaminated with asbestos. Containers with preprinted warning labels conforming to the requirements are acceptable

3.1.6.1 Warning Sign

Provide vertical format conforming to 29 CFR 1926.200, and 29 CFR 1926.1101 minimum 20 by 14 inches displaying the following legend in the lower panel:

<u>Legend</u>	<u>Notation</u>
DANGER	one inch Sans Serif Gothic or Block
ASBESTOS	one inch Sans Serif Gothic or Block
MAY CAUSE CANCER	one inch Sans Serif Gothic or Block
CAUSES DAMAGE TO LUNGS	1/4 inch Sans Serif Gothic or Block
AUTHORIZED PERSONNEL ONLY	1/4 inch Sans Serif Gothic or Block

Spacing between lines must be at least equal to the height of the upper of any two lines.

3.1.6.2 Warning Labels

Provide labels conforming to 29 CFR 1926.1101 of sufficient size to be clearly legible, displaying the following legend:

DANGER
CONTAINS ASBESTOS FIBERS
MAY CAUSE CANCER
CAUSES DAMAGE TO LUNGS
DO NOT BREATHE DUST AVOID CREATING DUST

3.1.7 Local Exhaust System

Provide a local exhaust system in the asbestos control area in accordance with ASSP Z9.2 and 29 CFR 1926.1101 that will provide at least four air changes per hour inside of the negative pressure enclosure. Local exhaust equipment must be operated 24-hours per day, until the asbestos control area is removed and must be leak proof to the filter and equipped with HEPA filters. Maintain a minimum pressure differential in the control area of minus 0.02 inch of water column relative to adjacent, unsealed areas. Provide continuous 24-hour per day monitoring of the pressure differential with a pressure differential automatic recording instrument. The building ventilation system must not be used as the local exhaust system for the asbestos control area. Filters on exhaust equipment must conform to ASSP Z9.2 and UL 586. Terminate the local exhaust system out of doors and remote from any public access or ventilation system intakes.

3.1.8 Tools

Vacuums must be leak proof to the filter and equipped with HEPA filters. Filters on vacuums must conform to ASSP Z9.2 and UL 586. Do not use power tools to remove asbestos containing materials unless the tool is equipped with effective, integral HEPA filtered exhaust ventilation systems. Remove all residual asbestos from reusable tools prior to storage or reuse. Reusable tools must be thoroughly decontaminated prior to being removed from the regulated areas.

3.1.9 Rental Equipment

If rental equipment is to be used, furnish written notification to the rental agency concerning the intended use of the equipment and the possibility of asbestos contamination of the equipment.

3.1.10 Single Stage Decontamination Area

A decontamination area (equipment room/area) must be provided for Class I work involving less than 25 feet or 10 square feet of TSI or surfacing ACM, and for Class II and Class III asbestos work operations where exposures exceed the PELs or where there is no negative exposure assessment. The equipment room or area must be adjacent to the regulated area for the decontamination of employees, material, and their equipment which could be contaminated with asbestos. The area must be covered by an impermeable drop cloth on the floor or horizontal working surface. The area must be of sufficient size to accommodate cleaning of equipment and removing personal protective equipment without spreading contamination beyond the area.

3.1.11 Decontamination Area Exit Procedures

Ensure that the following procedures are followed:

- a. Before leaving the regulated area, remove all gross contamination and debris from work clothing using a HEPA vacuum.
- b. Employees must remove their protective clothing in the equipment room and deposit the clothing in labeled impermeable bags or containers for disposal or laundering.
- c. Employees must not remove their respirators until showering.

- d. Employees must shower prior to entering the clean room. If a shower has not been located between the equipment room and the clean room or the work is performed outdoors, ensure that employees engaged in Class I asbestos jobs: a) Remove asbestos contamination from their work suits in the equipment room or decontamination area using a HEPA vacuum before proceeding to a shower that is not adjacent to the work area; or b) Remove their contaminated work suits in the equipment room, without cleaning worksuits, and proceed to a shower that is not adjacent to the work area.

3.2 WORK PROCEDURE

Perform asbestos related work in accordance with 29 CFR 1926.1101, 40 CFR 61-SUBPART M, NAVFAC P-502, and as specified herein. Use wet removal procedures and negative pressure enclosure techniques. Wear and utilize protective clothing and equipment as specified herein. No eating, smoking, drinking, chewing gum, tobacco, or applying cosmetics is permitted in the asbestos work or control areas. Personnel of other trades not engaged in the removal and demolition of asbestos containing material must not be exposed at any time to airborne concentrations of asbestos unless all the personnel protection and training provisions of this specification are complied with by the trade personnel. Seal all roof top penetrations, except plumbing vents, prior to asbestos roofing work. Shut down the building heating, ventilating, and air conditioning system, cap the openings to the system, and provide temporary heating, and ventilation, and air conditioning prior to the commencement of asbestos work. Power to the regulated area must be locked-out and tagged in accordance with 29 CFR 1910.147. Disconnect electrical service when encapsulation and wet removal is performed and provide temporary electrical service with verifiable ground fault circuit interrupter (GFCI) protection prior to the use of any waterencapsulant. All electrical work must be performed by a licensed electrician. Stop abatement work in the regulated area immediately when the airborne total fiber concentration: (1) equals or exceeds 0.01 f/cc, or the pre-abatement concentration, whichever is greater, outside the regulated area; or (2) equals or exceeds 1.0 f/cc inside the regulated area. Correct the condition to the satisfaction of the Contracting Officer, including visual inspection and air sampling. Work must resume only upon notification by the Contracting Officer. Corrective actions must be documented. If an asbestos fiber release or spill occurs outside of the asbestos control area, stop work immediately, correct the condition to the satisfaction of the Contracting Officer including clearance sampling, prior to resumption of work.

3.2.1 Building Ventilation System and Critical Barriers

Building ventilation system supply and return air ducts in a regulated area must be shut down and isolated by lockable switch or other positive means in accordance with 29 CFR 1910.147. The airtight seals must consist of air-tight rigid covers for building ventilation supply and exhaust grills where the ventilation system is required to remain in service during abatement² layers of polyethylene. Edges to wall, ceiling and floor surfaces must be sealed with industrial grade duct tape.

- a. A Competent Person must supervise the work.
- b. For indoor work, critical barriers must be placed over all openings to the regulated area.
- c. Impermeable dropcloths must be placed on surfaces beneath all removal

activity.

3.2.2 Protection of Existing Work to Remain

Perform work without damage or contamination of adjacent work. Where such work is damaged or contaminated as verified by the Contracting Officer using visual inspection or sample analysis, it must be restored to its original condition or decontaminated by the Contractor at no expense to the Government as deemed appropriate by the Contracting Officer. This includes inadvertent spill of dirt, dust, or debris in which it is reasonable to conclude that asbestos may exist. When these spills occur, stop work immediately. Then clean up the spill. When satisfactory visual inspection and air sampling results are obtained from the PQP and GC work may proceed at the discretion of the Contracting Officer.

3.2.3 Furnishings

Furniture, contents, and equipment not necessary for abatement purposes will be removed from the area of work by the Government before asbestos work begins.

3.2.4 Precleaning

Wet wipe and HEPA vacuum all surfaces potentially contaminated with asbestos prior to establishment of an enclosure.

3.2.5 Asbestos Control Area Requirements

3.2.5.1 Negative Pressure Enclosure

Removal of thermal system insulation, require the use of a negative pressure enclosure. Block and seal openings in areas where the release of airborne asbestos fibers can be expected. Establish an asbestos negative pressure enclosure with the use of curtains, portable partitions, or other enclosures in order to prevent the escape of asbestos fibers from the contaminated asbestos work area. Negative pressure enclosure development must include protective covering of uncontaminated walls, and ceilings with a continuous membrane of two layers of minimum 6-mil plastic sheet sealed with tape to prevent water or other damage. Provide two layers of 6-mil plastic sheet over floors and extend a minimum of 12 inches up walls. Seal all joints with tape. Provide local exhaust system in the asbestos control area. Openings will be allowed in enclosures of asbestos control areas for personnel and equipment entry and exit, the supply and exhaust of air for the local exhaust system and the removal of properly containerized asbestos containing materials. Replace local exhaust system filters as required to maintain the efficiency of the system.

3.2.5.2 Glovebag

If the construction of a negative pressure enclosure is infeasible for the removal of thermal system insulation located throughout the ceiling and wall cavities, the contractor may elect to use alternate techniques, use alternate techniques as indicated in 29 CFR 1926.1101. Establish designated limits for the asbestos regulated area with the use of rope or other continuous barriers, and maintain all other requirements for asbestos control areas. The PQP must conduct personal samples of each worker engaged in asbestos handling (removal, disposal, transport and other associated work) throughout the duration of the project. If the quantity of airborne asbestos fibers monitored at the breathing zone of the workers at any time exceeds background or 0.01 fibers per cubic centimeter whichever is greater, stop work, evacuate personnel in adjacent

areas or provide personnel with approved protective equipment at the discretion of the Contracting Officer. This sampling may be duplicated by the Government at the discretion of the Contracting Officer. If the air sampling results obtained by the Government differ from those obtained by the Contractor, the Government will determine which results predominate. If adjacent areas are contaminated as determined by the Contracting Officer, clean the contaminated areas, monitor, and visually inspect the area as specified herein.

3.2.5.3 Regulated Area for Class II Removal

Removal of asbestos containing residual flooring mastic, window frame component caulk, stainless steel sink undercoating, and roofing mastics are Class II removal activities. Establish designated limits for the asbestos regulated work area with the use of red barrier tape; install critical barriers, splash guards and signs, and maintain all other requirements for asbestos control area except local exhaust. Place impermeable dropcloths on surfaces beneath removal activity extending out 3 feet in all directions. A detached decontamination system may be used. Conduct area monitoring of airborne fibers during the work shift at the designated limits of the asbestos work area and conduct personal samples of each worker engaged in the work. If workers the airborne fiber concentration of the workers or designated limits at any time exceeds background or 0.01 fibers per cubic centimeter, whichever is greater, stop work immediately and correct the situation.

3.2.6 Removal Procedures

Wet asbestos material with a fine spray of amended water during removal, cutting, or other handling so as to reduce the emission of airborne fibers. Remove material and immediately place in 6 mil plastic disposal bags. Remove asbestos containing material in a gradual manner, with continuous application of the amended water or wetting agent in such a manner that no asbestos material is disturbed prior to being adequately wetted. Where unusual circumstances prohibit the use of 6 mil plastic bags, submit an alternate proposal for containment of asbestos fibers to the Contracting Officer for approval. For example, in the case where both piping and insulation are to be removed, the Contractor may elect to wet the insulation, wrap the pipes and insulation in plastic and remove the pipe by sections. Containerize asbestos containing material while wet. Do not allow asbestos material to accumulate or become dry. Lower and otherwise handle asbestos containing material as indicated in 40 CFR 61-SUBPART M.

3.2.6.1 Sealing Contaminated Items Designated for Disposal

There does not appear to be any contaminated items designated for disposal.

3.2.6.2 Exposed Pipe Insulation Edges

Contain edges of asbestos insulation to remain that are exposed by a removal operation. Wet and cut the rough ends true and square with sharp tools and then encapsulate the edges with a 1/4 inch thick layer of non-asbestos containing insulating cement troweled to a smooth hard finish. When cement is dry, lag the end with a layer of non-asbestos lagging cloth, overlapping the existing ends by at least 4 inches. When insulating cement and cloth is an impractical method of sealing a raw edge of asbestos, take appropriate steps to seal the raw edges as approved by the Contracting Officer.

3.2.7 Methods of Compliance

3.2.7.1 Mandated Practices

The specific abatement techniques and items identified must be detailed in the Contractor's AHAP. Use the following engineering controls and work practices in all operations, regardless of the levels of exposure:

- a. Vacuum cleaners equipped with HEPA filters.
- b. Wet methods or wetting agents except where it can be demonstrated that the use of wet methods is unfeasible due to the creation of electrical hazards, equipment malfunction, and in roofing.
- c. Prompt clean-up and disposal.
- d. Inspection and repair of polyethylene.
- e. Cleaning of equipment and surfaces of containers prior to removing them from the equipment room or area.

3.2.7.2 Control Methods

Use the following control methods:

- a. Local exhaust ventilation equipped with HEPA filter;
- b. Enclosure or isolation of processes producing asbestos dust;
- c. Where the feasible engineering and work practice controls are not sufficient to reduce employee exposure to or below the PELs, use them to reduce employee exposure to the lowest levels attainable and must supplement them by the use of respiratory protection.

3.2.7.3 Unacceptable Practices

The following work practices must not be used:

- a. High-speed abrasive disc saws that are not equipped with point of cut ventilator or enclosures with HEPA filtered exhaust air.
- b. Compressed air used to remove asbestos containing materials, unless the compressed air is used in conjunction with an enclosed ventilation system designed to capture the dust cloud created by the compressed air.
- c. Dry sweeping, shoveling, or other dry clean up.
- d. Employee rotation as a means of reducing employee exposure to asbestos.

3.2.8 Class I Work Procedures

In addition to requirements of paragraphs MANDATED PRACTICES and CONTROL METHODS, the following engineering controls and work practices must be used:

- a. A Competent Person must supervise the installation and operation of the control methods.

- b. For jobs involving the removal of more than 25 feet or 10 square feet of TSI or surfacing material, place critical barriers over all openings to the regulated area.
- c. HVAC systems must be isolated in the regulated area by sealing with a double layer of plastic or air-tight rigid covers.
- d. Impermeable dropcloths (6 mil or greater thickness) must be placed on surfaces beneath all removal activity.
- e. Where a negative exposure assessment has not been provided or where exposure monitoring shows the PEL was exceeded, the regulated area must be ventilated with a HEPA unit and employees must use PPE.

3.2.9 Specific Control Methods for Class I Work

Use Class I work procedures, control methods and removal methods for the following ACM:

- a. Spray Applied Fireproofing
- b. Gypsum Wallboard and Joint Compound
- c. Thermal System Insulation and Mudded Pipe Fittings
- d. Plaster and Textured Ceilings and Walls
- e. Vermiculite

3.2.9.1 Negative Pressure Enclosure (NPE) System

The system must provide at least four air changes per hour inside the containment. The local exhaust unit equipment must be operated 24-hours per day until the containment is removed. The NPE must be smoke tested for leaks at the beginning of each shift and be sufficient to maintain a minimum pressure differential of minus 0.02 inch of water column relative to adjacent, unsealed areas. Pressure differential must be monitored continuously, 24-hours per day, with an automatic manometric recording instrument and Records must be provided daily on the same day collected to the Contracting Officer. The Contracting Officer must be notified immediately if the pressure differential falls below the prescribed minimum. The building ventilation system must not be used as the local exhaust system for the regulated area. The NPE must terminate outdoors unless an alternate arrangement is allowed by the Contracting Officer. All filters used must be new at the beginning of the project and must be periodically changed as necessary and disposed of as ACM waste.

3.2.9.2 Glovebag Systems

Glovebags must be used without modification, smoke-tested for leaks, and completely cover the circumference of pipe or other structures where the work is to be done. Glovebags must be used only once and must not be moved. Glovebags must not be used on surfaces that have temperatures exceeding 150 degrees F. Prior to disposal, glovebags must be collapsed using a HEPA vacuum. Before beginning the operation, loose and friable material adjacent to the glovebag operation must be wrapped and sealed in 2 layers of plastic or otherwise rendered intact. At least two persons must perform glovebag removal. Asbestos regulated work areas must be

established for glovebag abatement. Designated boundary limits for the asbestos work must be established with rope or other continuous barriers and all other requirements for asbestos control areas must be maintained, including area signage and boundary warning tape.

- a. Attach HEPA vacuum systems to the bag to prevent collapse during removal of ACM.
- b. The negative pressure glove boxes must be fitted with gloved apertures and a bagging outlet and constructed with rigid sides from metal or other material which can withstand the weight of the ACM and water used during removal. A negative pressure must be created in the system using a HEPA filtration system. The box must be smoke tested for leaks prior to each use.

3.2.9.3 Mini-Enclosure

Single bulkhead containment Double bulkhead containment or Mini-containment (small walk-in enclosure) to accommodate no more than two persons, may be used if the disturbance or removal can be completely contained by the enclosure. The mini-enclosure must be inspected for leaks and smoke tested before each use. Air movement must be directed away from the employee's breathing zone within the mini-enclosure.

3.2.9.4 Wrap and Cut Operation

Prior to cutting pipe, the asbestos-containing insulation must be wrapped with polyethylene and securely sealed with duct tape to prevent asbestos becoming airborne as a result of the cutting process. The following steps must be taken: install glovebag, strip back sections to be cut 6 inches from point of cut, and cut pipe into manageable sections.

3.2.9.5 Class I Removal Method

Class I ACM must be removed using a control method described above. Prepare work area as previously specified. Establish designated limits for the asbestos regulated work area with the use of red barrier tape, critical barriers, signs, and maintain all other requirements for asbestos control area. Spread one layer of 6-mil seamless plastic sheeting on the floor below the work area. Bag all asbestos debris which has fallen to the floor as asbestos-containing debris. Place all debris in plastic disposal bags of 6-mil minimum thickness. Once the material is in the disposal bag, apply additional water as needed to achieve "adequately wet" conditions for NESHAP compliance. Place bagged asbestos waste under negative pressure with the use of a HEPA vacuum, goose neck and duck tape to seal the bag, wash to remove any visible contamination and place into a second 6-mil minimum thickness disposal bag. Containerize asbestos containing waste while wet. Lower and otherwise handle asbestos containing materials as indicated in 40 CFR 61-SUBPART M. Conduct area monitoring of airborne fibers during the work shift at the designated limits of the asbestos work area and conduct personal samples of each worker engaged in the work. If the quantity of airborne asbestos fibers monitored at the breathing zone of the workers or the designated limits at any time exceeds background or 0.01 fibers per cubic centimeter, whichever is greater, stop work, and immediately correct the situation.

3.2.10 Class II Work Procedures

In addition to the requirements of paragraphs MANDATED PRACTICES and

CONTROL METHODS, the following engineering controls and work practices must be used:

- a. A Competent Person must supervise the work.
- b. For indoor work, critical barriers must be placed over all openings to the regulated area.
- c. Impermeable dropcloths must be placed on surfaces beneath all removal activity.

3.2.11 Specific Control Methods for Class II Work

3.2.11.1 Vinyl and Asphaltic Flooring Materials, Carpet and Mastic

Establish designated limits for the asbestos regulated work area with the use of red barrier tape, critical barriers, signs, and maintain all other requirements for asbestos control area except local exhaust. A detached decontamination system may be used. When removing vinyl floor tile and mastic carpet and mastic which contains ACM, use the following practices. Remove using adequately wet methods. Remove intact (if possible). Do not sand flooring or its backing. Scrape residual adhesive and backing using wet methods. Mechanical chipping is prohibited unless performed in a negative pressure enclosure. Dry sweeping is prohibited. Use vacuums equipped with HEPA filter, disposable dust bag, and metal floor tool (no brush) to clean floors. Place debris into a 6-mil minimum thickness disposal bag or other approved container. Once the material is in the disposal bag, apply additional water as needed to achieve "adequately wet" conditions for NESHAP compliance. Place bagged asbestos waste under negative pressure with the use of a HEPA vacuum, goose neck and duck tape to seal the bag, wash to remove any visible contamination and place into a second 6-mil minimum thickness disposal bag. Containerize asbestos containing waste while wet. Lower and otherwise handle asbestos containing materials as indicated in 40 CFR 61-SUBPART M. Conduct area monitoring of airborne fibers during the work shift at the designated limits of the asbestos work area and conduct personal samples of each worker engaged in the work. If workers the airborne fiber concentration of the workers or designated limits at any time exceeds background or 0.01 fibers per cubic centimeter, whichever is greater, stop work immediately and correct the situation.

3.2.11.2 Sealants and Mastic

Establish designated limits for the asbestos regulated work area with the use of red barrier tape, critical barriers and signs, and maintain all other requirements for asbestos control area except local exhaust. Spread 6-mil plastic sheeting on the ground around the perimeter of the work area extending out in all directions. Using adequately wet methods, carefully remove the ACM sealants and mastics using a scraper or knife blade. As it is removed place the material into a disposal bag. Make every effort to keep the asbestos material from falling to the ground or work area floor below. Dry sweeping is prohibited. Use vacuums equipped with HEPA filter and disposable dust bag. Place debris into a 6-mil minimum thickness disposal bag or other approved container. Once the material is in the disposal bag, apply additional water as needed to achieve "adequately wet" conditions for NESHAP compliance. Place bagged asbestos waste under negative pressure with the use of a HEPA vacuum, goose neck and duck tape to seal the bag, wash to remove any visible contamination and place into a second 6-mil minimum thickness disposal bag. Containerize asbestos

containing waste while wet. Lower and otherwise handle asbestos containing materials as indicated in 40 CFR 61-SUBPART M. Conduct area monitoring of airborne fibers during the work shift at the designated limits of the asbestos work area and conduct personal samples of each worker engaged in the work. If the airborne fiber concentration of the workers or at designated limits at any time exceeds background or 0.01 fibers per cubic centimeter, whichever is greater, stop work immediately and correct the situation.

3.2.11.3 Suspect Fire Doors

Establish designated limits for the asbestos regulated work area with the use of red barrier tape, critical barriers, signs, and maintain all other requirements for asbestos control area except local exhaust. A detached decontamination system may be used. Spread 6-mil plastic sheeting on the ground beneath the work area and around the perimeter of the work area extending out in all directions. Remove door intact from hinges and wrap with 6-mil plastic sheeting. Inspect the interior areas of the door to determine if ACM is present. If ACM is not present the door may be disposed of as general construction debris. If ACM is present place whole door in enclosed container for disposal. Conduct area monitoring of airborne fibers during the work shift at the designated limits of the asbestos work area and conduct personal samples of each worker engaged in the work. If the airborne fiber concentration of the workers or designated limits at any time exceeds background or 0.01 fibers per cubic centimeter, whichever is greater, stop work immediately and correct the situation.

3.2.12 Abatement of Asbestos Contaminated Soil

There does not appear to be a need for asbestos contaminated soil removal. However, if asbestos contaminated soil removal becomes necessary, the following sections shall apply.

Establish designated limits for the asbestos regulated work area with the use of red barrier tape, critical barriers, signs, and maintain all other requirements for asbestos control area except local exhaust. Asbestos contaminated soil must be removed from areas to a minimum depth of 2 inches. Soil must be thoroughly dampened with amended water and then removed by manual shoveling into labeled containers. Place debris into a 6-mil minimum thickness disposal bag or other approved container. Once the material is in the disposal bag, apply additional water as needed to achieve "adequately wet" conditions for NESHAP compliance. Place bagged asbestos waste under negative pressure with the use of a HEPA vacuum, goose neck and duck tape to seal the bag, wash to remove any visible contamination and place into a second 6-mil minimum thickness disposal bag. Containerize asbestos containing waste while wet. Conduct area monitoring of airborne fibers during the work shift at the designated limits of the asbestos work area and conduct personal samples of each worker engaged in the work. If the airborne fiber concentration of the workers or designated limits at any time exceeds background or 0.01 fibers per cubic centimeter, whichever is greater, stop work immediately and correct the situation.

3.2.13 Air Sampling

Perform sampling of airborne concentrations of asbestos fibers in accordance with 29 CFR 1926.1101, the Contractor's air monitoring plan and as specified herein. Sampling performed in accordance with

29 CFR 1926.1101 must be performed by the PQP. Sampling performed for environmental and quality control reasons must be performed by the PQP and GC. Unless otherwise specified, use NIOSH Method 7400 for sampling and analysis. Monitoring may be duplicated by the Government at the discretion of the Contracting Officer. If the air sampling results obtained by the Government differ from those results obtained by the Contractor, the Government will determine which results predominate. Results of breathing zone samples must be posted at the job site and made available to the Contracting Officer. Submit all documentation regarding initial exposure assessments, negative exposure assessments, and air-monitoring results.

3.2.13.1 Sampling Prior to Asbestos Work

Provide area air sampling and establish the baseline one day prior to the masking and sealing operations for each demolition and/or removal encapsulation site. Establish the background by performing area sampling in similar but uncontaminated sites in the building.

3.2.13.2 Sampling During Asbestos Work

The PQP must provide personal and area sampling as indicated in 29 CFR 1926.1101 and governing environmental regulations. Breathing zone samples must be taken for at least 25 percent of the workers in each shift, or a minimum of two, whichever is greater. Air sample fiber counting must be completed and results provided within 24-hours (breathing zone samples), and 16 hours (environmental/clearance monitoring) after completion of a sampling period. In addition, provided the same type of work is being performed, provide area sampling at least once every work shift close to the work inside the enclosure, outside the clean room entrance to the enclosure, and at the exhaust opening of the local exhaust system. If sampling outside the enclosure shows airborne levels have exceeded background or 0.01 fibers per cubic centimeter, whichever is greater, stop all work, correct the condition(s) causing the increase, and notify the Contracting Officer immediately. Where alternate methods are used, perform personal and area air sampling at locations and frequencies that will accurately characterize the evolving airborne asbestos levels. The written results must be signed by testing laboratory analyst, testing laboratory principal and the Contractor's PQP / GC. The air sampling results must be documented on a Contractor's daily air monitoring log.

The PQP must provide personal sampling as indicated in 29 CFR 1926.1101. Breathing zone samples must be taken for at least 25 percent of the workers in each shift, or a minimum of two, whichever is greater. Breathing zone samples must be taken for at least 25 percent of the workers in each shift, or a minimum of two, whichever is greater. Air sample fiber counting must be completed and results provided within 24-hours (breathing zone samples), and 16 hours (environmental/clearance monitoring) after completion of a sampling period. At the same time the GC will provide area sampling close to the work inside the enclosure, outside the clean room entrance to the enclosure, and at the exhaust opening of the local exhaust system. In addition, provided the same type of work is being performed, the GC will provide area sampling once every work shift close to the work inside the enclosure, outside the clean room entrance to the enclosure, and at the exhaust opening of the local exhaust system. If sampling outside the enclosure shows airborne levels have exceeded background or 0.01 fibers per cubic centimeter, whichever is greater, stop all work, correct the condition(s) causing the increase, and notify the Contracting Officer immediately. Where alternate methods are

used, perform personal and area air sampling at locations and frequencies that will accurately characterize the evolving airborne asbestos levels. The written results must be signed by testing laboratory analyst, testing laboratory principal and the Contractor's PQP / GC. The air sampling results must be documented on a Contractor's daily air monitoring log.

3.2.13.3 Final Clearance Requirements, NIOSH PCM Method

For PCM sampling and analysis using NIOSH NMAM Method 7400, the fiber concentration inside the abated regulated area, for each airborne sample, must be less than 0.01 f/cc. The abatement inside the regulated area is considered complete when every PCM final clearance sample is below the clearance limit. If any sample result is greater than 0.01 total f/cc, the asbestos fiber concentration (asbestos f/cc) must be confirmed from that same filter using NIOSH NMAM Method 7402 (TEM) at Contractor's expense. If any confirmation sample result is greater than 0.01 asbestos f/cc, abatement is incomplete and cleaning must be repeated at the Contractor's expense. Upon completion of any required recleaning, resampling with results to meet the above clearance criteria must be done at the Contractor's expense.

3.2.13.4 Final Clearance Requirements, EPA TEM Method

For EPA TEM sampling and analysis, using the EPA Method specified in 40 CFR 763, abatement inside the regulated area is considered complete when the arithmetic mean asbestos concentration of the five inside samples is less than or equal to 70 structures per square millimeter (70 S/mm). When the arithmetic mean is greater than 70 S/mm, the three blank samples must be analyzed. If the three blank samples are greater than 70 S/mm, resampling must be done. If less than 70 S/mm, the five outside samples must be analyzed and a Z-test analysis performed. When the Z-test results are less than 1.65, the decontamination must be considered complete. If the Z-test results are more than 1.65, the abatement is incomplete and cleaning must be repeated. Upon completion of any required recleaning, resampling with results to meet the above clearance criteria must be done at the Contractor's expense.

3.2.13.5 Sampling After Final Clean-Up (Clearance Sampling)

Provide area sampling of asbestos fibers and establish an airborne asbestos concentration of less than 0.01 fibers per cubic centimeter after final clean-up but before removal of the enclosure or the asbestos work control area. After final cleanup and the asbestos control area is dry but prior to clearance sampling, the PQP and GC must perform a visual inspection in accordance with ASTM E1368 to ensure that the asbestos control and work area is free of any accumulations of dirt, dust, or debris. Prepare a written report signed and dated by the PQP documenting that the asbestos control area is free of dust, dirt, and debris and all waste has been removed. Perform at least 5 samples. Use transmission electron microscopy (TEM) to analyze clearance samples and report the results in accordance with current NIOSH criteria. The asbestos fiber counts from these samples must be less than 0.01 fibers per cubic centimeter or be not greater than the background, whichever is greater. Should any of the final samples indicate a higher value take appropriate actions to re-clean the area and repeat the sampling and PCM analysis at the Contractor's expense.

3.2.13.6 Air Clearance Failure

If clearance sampling results fail to meet the final clearance requirements, pay all costs associated with the required recleaning, resampling, and analysis, until final clearance requirements are met.

3.2.14 Lock-Down

Prior to removal of plastic barriers and after pre-clearance clean up of gross contamination, the PQPGC must conduct a visual inspection of all areas affected by the removal/encapsulation in accordance with ASTM E1368. Inspect for any visible fibers, and to ensure that encapsulants were applied evenly and appropriately.

3.2.15 Site Inspection

While performing asbestos engineering control work, the Contractor must be subject to on-site inspection by the Contracting Officer who may be assisted by or represented by safety or industrial hygiene personnel. If the work is found to be in violation of this specification, the Contracting Officer or his representative will issue a stop work order to be in effect immediately and until the violation is resolved. All related costs including standby time required to resolve the violation must be at the Contractor's expense.

3.3 CLEAN-UP AND DISPOSAL

3.3.1 Housekeeping

Essential parts of asbestos dust control are housekeeping and clean-up procedures. Maintain surfaces of the asbestos control area free of accumulations of asbestos fibers. Give meticulous attention to restricting the spread of dust and debris; keep waste from being distributed over the general area. Use HEPA filtered vacuum cleaners. DO NOT BLOW DOWN THE SPACE WITH COMPRESSED AIR. When asbestos removal is complete, all asbestos waste is removed from the work-site, and final clean-up is completed, the Contracting Officer will attest that the area is safe before the signs can be removed. After final clean-up and acceptable airborne concentrations are attained but before the HEPA unit is turned off and the enclosure removed, remove all pre-filters on the building HVAC system and provide new pre-filters. Dispose of filters as asbestos contaminated materials. Reestablish HVAC mechanical, and electrical systems in proper working order. The Contracting Officer will visually inspect all surfaces within the enclosure for residual material or accumulated dust or debris. The Contractor must re-clean all areas showing dust or residual materials. If re-cleaning is required, air sample and establish an acceptable asbestos airborne concentration after re-cleaning. The Contracting Officer must agree that the area is safe in writing before unrestricted entry will be permitted. The Government must have the option to perform monitoring to determine if the areas are safe before entry is permitted.

3.3.2 Title to Materials

All waste materials, except as specified otherwise, become the property of the Contractor and must be disposed of as specified in applicable local, State, and Federal regulations and herein.

3.3.3 Disposal of Asbestos

3.3.3.1 Procedure for Disposal

Coordinate all waste disposal manifests with the Contracting Officer and NAVFAC EV. Collect asbestos waste, contaminated waste water filters, asbestos contaminated water, scrap, debris, bags, containers, equipment, and asbestos contaminated clothing which may produce airborne concentrations of asbestos fibers and place in sealed fiber-proof, waterproof, non-returnable containers (e.g. double plastic bags 6 mils thick, cartons, drums or cans). Wastes within the containers must be adequately wet in accordance with 40 CFR 61-SUBPART M. Affix a warning and Department of Transportation (DOT) label to each container including the bags or use at least 6 mils thick bags with the approved warnings and DOT labeling preprinted on the bag. Clearly indicate on the outside of each container the name of the waste generator and the location at which the waste was generated. Prevent contamination of the transport vehicle (especially if the transport vehicle is a rented truck likely to be used in the future for non-asbestos purposes). These precautions include lining the vehicle cargo area with plastic sheeting (similar to work area enclosure) and thorough cleaning of the cargo area after transport and unloading of asbestos debris is complete. Dispose of waste asbestos material at an Environmental Protection Agency (EPA) or State-approved asbestos landfill off Government property. For temporary storage, store sealed impermeable bags in asbestos waste drums or skids. An area for interim storage of asbestos waste-containing drums or skids will be assigned by the Contracting Officer or his authorized representative. Comply with 40 CFR 61-SUBPART M, State, regional, and local standards for hauling and disposal. Sealed plastic bags may be dumped from drums into the burial site unless the bags have been broken or damaged. Damaged bags must remain in the drum and the entire contaminated drum must be buried. Uncontaminated drums may be recycled. Workers unloading the sealed drums must wear appropriate respirators and personal protective equipment when handling asbestos materials at the disposal site.

3.3.3.2 Asbestos Disposal Quantity Report

Direct the PQP to record and report, to the Contracting Officer, the amount of asbestos containing material removed and released for disposal. Deliver the report for the previous day at the beginning of each day shift with amounts of material removed during the previous day reported in linear feet or square feet as described initially in this specification and in cubic feet for the amount of asbestos containing material released for disposal.

Allow the GC to inspect, record and report the amount of asbestos containing material removed and released for disposal on a daily basis.

-- End of Section --

SECTION 08 14 00

WOOD DOORS
08/16, CHG 1: 08/18

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

ASTM INTERNATIONAL (ASTM)

ASTM E2226 (2023a) Standard Practice for Application of Hose Stream

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 80 (2022) Standard for Fire Doors and Other Opening Protectives

NFPA 105 (2022) Standard for Smoke Door Assemblies and Other Opening Protectives

NFPA 252 (2022) Standard Methods of Fire Tests of Door Assemblies

UNDERWRITERS LABORATORIES (UL)

UL 10B (2008; Reprint May 2020) Fire Tests of Door Assemblies

WINDOW AND DOOR MANUFACTURERS ASSOCIATION (WDMA)

ANSI/WDMA I.S.1A (2013) Interior Architectural Wood Flush Doors

WDMA I.S.4 (2015A) Preservative Treatment for Millwork

WDMA TM-7 (2008) Cylce Slam Test Method

WDMA TM-8 (2008) Hinge Loading Test Method

WOODWORK INSTITUTE (WI)

NAAWS 4.0 (2021 Errata Edition) North American Architectural Woodwork Standards

1.2 SUBMITTALS

Government approval is required for submittals with a "G" or "S" classification. Submittals not having a "G" or "S" classification are for Contractor Quality Control approval. Submittals not having a "G" or "S" classification are for information only. When used, a code following the "G" classification identifies the office that will review the submittal for the Government. Submit the following in accordance with Section

01 33 00 SUBMITTAL PROCEDURES:

SD-02 Shop Drawings

Doors; G,

SD-03 Product Data

Doors; G,

Accessories

Water-resistant Sealer

Sample Warranty

Fire Resistance Rating; G,

1.3 DELIVERY, STORAGE, AND HANDLING

Deliver doors to the site in an undamaged condition and protect against damage and dampness. Stack doors flat under cover. Support on blocking, a minimum of 4 inch thick, located at each end and at the midpoint of the door. Store doors in a well-ventilated building so that they will not be exposed to excessive moisture, heat, dryness, direct sunlight, or extreme changes of temperature and humidity. Replace defective or damaged doors with new ones.

1.4 WARRANTY

Warrant doors free of defects as set forth in the door manufacturer's standard door warranty.

PART 2 PRODUCTS

2.1 DOORS

Provide doors of the types, sizes, and designs indicated free of urea-formaldehyde resins.

2.1.1 Flush Doors

Conform to ANSI/WDMA I.S.1A for flush doors. Provide hollow core doors with lock blocks and 1 inch minimum thickness hinge stile. Hardwood stile edge bands of doors receives a natural finish, compatible with face veneer. Provide mill option for stile edge of doors scheduled to be painted. No visible finger joints will be accepted in stile edge bands. When used, locate finger-joints under hardware.

2.1.1.1 Interior Flush Doors

Provide staved lumber core, Type II flush doors conforming to ANSI/WDMA I.S.1A with faces of goodbirch. Hardwood veneers shall be plain slicedbook.

2.1.2 Fire Doors

Provide doors specified or indicated to have a fire resistance rating conforming to the requirements of UL 10B, ASTM E2226, or NFPA 252 for the class of door indicated. Affix a permanent metal label with raised or incised markings indicating testing agency's name and approved hourly fire rating to hinge edge of each door.

2.2 ACCESSORIES

2.2.1 Door Light Openings

When required, provide glazed openings with the manufacturer's standard wood moldings. Provide moldings for doors to receive natural finish of the same wood species and color as the wood face veneers. Lip type moldings for flush doors.

2.2.2 Additional Hardware Reinforcement

Provide the minimum lock blocks to secure the specified hardware. The measurement of top, bottom, and intermediate rail blocks are a minimum 125 mm 5 inch by full core width. Comply with the manufacturer's labeling requirements for reinforcement blocking, but not mineral material similar to the core.

2.3 FABRICATION

2.3.1 Marking

Stamp each door with a brand, stamp, or other identifying mark indicating quality and construction of the door.

2.3.2 Quality and Construction

Identify the standard on which the construction of the door was based and identify doors having a Type I glue bond.

2.3.3 Preservative Treatment

Treat doors scheduled for restrooms, janitor closets and other possible wet locations with a water-repellent preservative treatment and so marketed at the manufacturer's plant in accordance with WDMA I.S.4.

2.3.4 Adhesives and Bonds

ANSI/WDMA I.S.1A. Use Type I bond for exterior doors and Type II bond for interior doors. Provide a nonstaining adhesive on doors with a natural finish.

2.3.5 Finishes

2.3.5.1 Factory Finish

Provide doors finished at the factory by the door manufacturer as follows: NAAWS 4.0 Section 1500, specification for System No. 4 Conversion varnish alkyd urea or System No. 5 Vinyl catalyzed. The coating is NAAWS 4.0 premium, medium rubbed sheen, open grain effect. Use stain when required to produce the finish specified for color. Seal edges, cutouts, trim, and

wood accessories, and apply two coats of finish compatible with the door face finish. Touch-up finishes that are scratched or marred, or where exposed fastener holes are filled, in accordance with the door manufacturer's instructions. Match color and sheen of factory finish using materials compatible for field application.

2.3.5.2 Color

Provide door finish colors as indicated.

2.3.6 Water-Resistant Sealer

Provide manufacturer's standard water-resistant sealer compatible with the specified finish.

2.4 SOURCE QUALITY CONTROL

Meet or exceed the following minimum performance criteria of stiles of "B" and "C" label fire doors utilizing standard mortise leaf hinges:

- a. Cycle-slam: 200,000 cycles with no loose hinge screws or other visible signs of failure when tested in accordance with the requirements of WDMA TM-7.
- b. Hinge loading resistance: Averages of ten test samples not less than 700 pounds load when tested for direct screw withdrawal in accordance with WDMA TM-8 using a No. 12, 1-1/4 inch long, steel, fully threaded wood screw. Drill 5/32 inch pilot hole, use 1-1/2 inch opening around screw for bearing surface, and engage screw full, except for last 1/8 inch. Do not use a steel plate to reinforce screw area.

PART 3 EXECUTION

3.1 INSTALLATION

Before installation, seal top and bottom edges of doors with the approved water-resistant sealer. Seal cuts made on the job immediately after cutting using approved water-resistant sealer. Fit, trim, and hang doors with a 1/16 inch minimum, 1/8 inch maximum clearance at sides and top, and a 3/16 inch minimum, 1/4 inch maximum clearance over thresholds. Provide 3/8 inch minimum, 7/16 inch maximum clearance at bottom where no threshold occurs. Bevel edges of doors at the rate of 1/8 inch in 2 inch. Door warp must not exceed 1/4 inch when measured in accordance with ANSI/WDMA I.S.1A.

3.1.1 Fire and Smoke Doors

Install fire doors in accordance with NFPA 80. Install smoke doors in accordance with NFPA 105. Do not paint over labels.

-- End of Section --

SECTION 09 05 61

COMMON WORK RESULTS FOR FLOORING PREPARATION
01/25

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. This section applies to floors identified in contract documents that are receiving the following types of floor coverings:
 - 1. Resilient tile.
 - 2. All other floor finishes as specified in individual sections.
- B. Preparation of new and existing concrete floor slabs for installation of floor coverings.
- C. Testing of concrete floor slabs for moisture and alkalinity (pH).
- D. Remediation of concrete floor slabs due to unsatisfactory moisture or alkalinity (pH) conditions.
 - 1. Contractor shall perform all specified remediation of concrete floor slabs. If such remediation is indicated by testing agency's report and is due to a condition not under Contractor's control or could not have been predicted by examination prior to entering into the contract, a contract modification will be issued.

1.2 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

ASTM INTERNATIONAL (ASTM)

ASTM F710	(2022) Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring
ASTM F1869	(2023) Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride
ASTM F2170	(2019a) Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes

1.3 ADMINISTRATIVE REQUIREMENTS

1.3.1 Scheduling

Coordinate scheduling of cleaning and testing, so that preliminary cleaning has been completed for at least 24 hours prior to testing.

1.4 SUBMITTALS

Government approval is required for submittals with a "G" or "S" classification. Submittals not having a "G" or "S" classification are for Contractor Quality Control approval. for information only. When used, a code following the "G" classification identifies the office that will review the submittal for the Government. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:
SD-06 Test Reports

Testing Agency Qualifications; G

Testing Agency Report; G

1.5 QUALITY CONTROL

- A. Moisture and alkalinity (pH) testing shall be performed by an independent testing agency employed and paid by Contractor.
- B. Testing Agency Qualifications: Independent testing agency experienced in the types of testing specified.
 1. Submit evidence of experience consisting of at least 3 test reports of the type required, with project Owner's project contact information.
- C. Contractor's Responsibility Relating to Independent Agency Testing:
 1. Provide access for and cooperate with testing agency.
 2. Confirm date of start of testing at least 10 days prior to actual start.
 3. Allow at least 4 business days on site for testing agency activities.
 4. Achieve and maintain specified ambient conditions.
 5. Notify Government when specified ambient conditions have been achieved and when testing will start.
 6. Notify Government when specified ambient conditions have been achieved and when testing will start.

1.6 PROJECT/SITE CONDITIONS

1.6.1 Testing Agency Report

1. Description of areas tested; include floor plans and photographs if helpful.
2. Summary of conditions encountered.
3. Moisture and alkalinity (pH) test reports.
4. Copies of specified test methods.

1.6.2 Field Conditions

- A. Maintain ambient temperature in spaces where concrete testing is being

performed, and for at least 48 hours prior to testing, at not less than 65 degrees F (18 degrees C) or more than 85 degrees F (30 degrees C).

- B. Maintain relative humidity in spaces where concrete testing is being performed, and for at least 48 hours prior to testing, at not less than 40 percent and not more than 60 percent.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION

3.1 CONCRETE SLAB PREPARATION

A. PROPER SURFACE PREPARATION INCLUDES THE FOLLOWING:

1. Inspection of the existing concrete substrate.
2. Removal of existing floor coatings.
3. Decontamination of the concrete surface.
4. Creation of surface profile
5. Repair of surface irregularities

B. INSPECTION OF THE EXISTING CONCRETE SUBSTRATE

1. Inspect the existing concrete substrate to determine its general condition, soundness, presence of contaminants, existing floor coating, presence of moisture vapor emissions and the best methods to use in preparation of the surface to meet the requirements of the project.

C. DECONTAMINATION OF THE CONCRETE SURFACE

1. Decontamination of the concrete surface requires the removal of oils, grease, wax, fatty acids and other contaminants, and may be accomplished by the use of detergent scrubbing with a heavy duty cleaner/degreaser, low pressure water cleaning (less than 5,000 psi), steam cleaning, or chemical cleaning. The success of these methods is dependent upon the depth of penetration of the contaminant; which is completely dependent upon the contaminant's viscosity, the concrete's permeability and the duration of exposure. Special care should be taken when preparing concrete at an "in use" facility for repair, replacement or an initial floor topping.
2. Test concrete substrate for moisture vapor emission using test methods recommended by manufacturer of flooring system being installed.

D. CREATION OF SURFACE PROFILE

1. Creation of surface profile can be accomplished by a number of methods each utilizing a selection of tools, equipment and materials to accomplish the intended purpose, (See METHODS OF SURFACE PREPARATION below). Selection is dependent upon the type of surface to be prepared and the type of system to be installed. In addition, floors, trenches each have their own

particular requirements. The type and thickness of the selected flooring system also plays an important role in the selection process. Regardless of the method selected or tools employed, the contractor must provide a surface that will accept the application of flooring products and allow the mechanical bond of the flooring system securely to the concrete. The type of service the structure will be subjected to, will also help to define the degree of profile required. The surface profile is the measure of the average distance from the peaks of the surface to the valleys as seen through a cross sectional view of the surface of the concrete.

2. This dimension is defined pictorially and through physical samples in the ICRI Technical Guideline No 03732, and is expressed as a Concrete Surface Profile number (CSP 1-9).

3. Methods of Surface Preparation

- a. Depending upon conditions of the concrete one or more methods of surface preparation may be required. It is common for decontamination to precede mechanical preparation, and if necessary a second decontamination to follow.

- b. The preferred methods for creation of a surface profile, including the removal of dirt, dust, laitance and curing compounds, is steel shotblasting, abrasive (sand) blasting or scarifying. The steel shotblasting or vacuum blasting process is commonly referenced by equipment brand names, such as, Blastrac, Vacu-Blast, Shot-Blast, etc. Vertical and overhead surfaces, such as cove base, wall, and ceiling surfaces shall be prepared utilizing methods of grinding, scarifying, abrasive (sand) blasting, needle scaling, or vertical steel shotblasting. The following table provides a guide for the degree of surface profile required for the coating or overlay to be applied and the preparation methods used to generate each profile. Provide written instruction from manufacturer to architect regarding profile requirements and recommended method for achieving profile.

Application	Profile	Preparation
Sealers	0-3 mils	Detergent scrub Low-pressure Water Acid Etching (not recommended) Grinding
Thin Film	4-10 mils	Grinding Abrasive Blast Steel Shot Blast
High Build	10-40 mils	Abrasive Blast Steel Shot Blast Scarifying
Self-Leveling	50 mils - 1/8 inch	Abrasive Blast Steel Shot Blast Scarifying Needle Scaling
Polymer	1/8 - 1/4 inch	Abrasive Blast Steel

Application	Profile	Preparation
Overlay		Shot Blast Scarifying Needle Scaling Scabbling Flame Blasting Milling/rotomilling

4. Other surface preparation methods are mentioned in ADDITIONAL SURFACE PREPARATION REFERENCES.

E. REPAIR OF SURFACE IRREGULARITIES

1. Repair of surface irregularities including bugholes, spalls, cracks, deteriorated joints, slopes, areas near transition zones, such as around drains, floor boxes, doorways, etc. must be repaired prior to the placement of the flooring system and/or the system must be designed to off-set the thickness of the irregularities. For bugholes and other minor surface irregularities, fill using materials recommended by manufacturer of flooring system. For treatment of cracks and joints refer to the section below entitled "Crack Isolation".

F. CRACK ISOLATION

1. The performance of elastomeric products, requires a relatively uniform dry film thickness to resist drying shrinkage and thermal movement of the concrete, while maintaining a seamless bridge or seal over the concrete. Therefore it is critical that all mortar splatter, protrusions, ridges, penetrations, or sharp projections in the surface of the concrete, be ground smooth or otherwise made smooth, in addition to the normal surface preparation outlined above.
2. Prior to application of an elastomeric system, control/contraction joints, construction joints, and cracks should be sealed with the selected system flexible sealant as recommended by manufacturer of flooring system. This coating should extend a minimum of 6" on either side of the joint or crack. The entire surface area should then receive the specified crack isolation system. Isolation and/or expansion joints should be detailed in accordance with the floor system manufacturer's recommendations.
3. General Polymer systems can be applied to a variety of substrates if the substrate is properly prepared. Preparation of surfaces other than concrete or steel, such as wood, concrete block, brick, quarry tile, glazed tile, cement terrazzo, vinyl composition tile, plastics and existing polymer systems, can be accomplished to receive bonded polymer sealers, coatings, or toppings. For questions regarding a substrate other than concrete or steel, or a condition not mentioned in this guideline, contact the product Technical Service Department prior to starting the project. For steel surfaces, refer to Guideline Instructions for Surface Preparation of Structural Steel, Form G-2. Repair of surface irregularities including bugholes, spalls, cracks, deteriorated joints, slopes, areas near transition zones, such as around drains, floor boxes, doorways, etc. must be repaired prior to the

placement of the flooring system and/or the system must be designed to off-set the thickness of the irregularities.

G. ADDITIONAL SURFACE PREPARATION REFERENCES

1. Important and relevant information on surface preparation of concrete is available by referencing the following codes, standards, and guidelines.
 - a. SSPC The Society for Protective Coatings, 40 24th Street, 6th Floor, Pittsburgh, Pa. 15222-4643, (412) 281-2331.
 1. SSPC-SP 13 Surface Preparation of Concrete
 2. SSPC-TU 2/NACE 6G197 Design, Installation, and Maintenance of Coating Systems for Concrete Used in Secondary Containment
 - b. ICRI International Concrete Repair Institute, 38800 Country Club Drive Farmington Hills, MI 48331, (248) 848-3809
 - c. Technical Guideline No.03732, "Selecting and Specifying Concrete Surface
 1. Preparation for Sealers, Coatings, and Polymer Overlays". Includes visual standards to act as a guide in defining acceptable surface profiles for the application of industrial coatings and polymer floor toppings.
 2. Technical Guideline No.03730, "Guide for Surface Preparation for the Repair of Deteriorated Concrete Resulting from Reinforcing Steel Corrosion".
 - d. ASTM American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959, (610) 832- 9585
 1. ASTM D 4258 "Practice for Surface Cleaning Concrete for Coating".
 2. ASTM D 4260 "Standard Practice for Acid Etching Concrete".
 3. ASTM D 4261 "Practice for Surface Cleaning Unit Masonry for Coating".
 4. ASTM D 4262 "Test Method for pH of Chemically Cleaned or Etched Concrete Surfaces"The performance of elastomeric products, requires a relatively uniform dry film thickness to resist drying shrinkage and thermal movement of the concrete, while maintaining a seamless bridge or seal over the concrete. Therefore it is critical that all mortar splatter, protrusions, ridges, penetrations, or sharp projections in the surface of the concrete, be ground smooth or otherwise made smooth, in addition to the normal surface preparation outlined above.

3.2 MOISTURE VAPOR EMISSION TESTING

- A. Where the floor covering manufacturer's requirements conflict with either the referenced test method or this specification, comply with the manufacturer's requirements.

- B. Where this specification conflicts with the referenced test method, comply with the requirements of this section.
- C. Test in accordance with ASTM F1869 and as follows.
- D. Plastic sheet test and mat bond test may not be substituted for the specified ASTM test method, as those methods do not quantify the moisture content sufficiently.
- E. In the event that test values exceed floor covering manufacturer's limits, perform remediation as indicated. In the absence of manufacturer limits, perform remediation if test values exceed 3 pounds per 1000 square feet (1.4 kg per 93 square meters) per 24 hours.
- F. Report: Report the information required by the test method.

3.3 INTERNAL RELATIVE HUMIDITY TESTING

- A. Where the floor covering manufacturer's requirements conflict with either the referenced test method or this specification, comply with the manufacturer's requirements.
- B. Where this specification conflicts with the referenced test method, comply with the requirements of this section.
- C. Test in accordance with ASTM F2170 Procedure A and as follows.
- D. Testing with electrical impedance or resistance apparatus may not be substituted for the specified ASTM test method, as the values determined are not comparable to the ASTM test values and do not quantify the moisture content sufficiently.
- E. In the event that test values exceed floor covering manufacturer's limits, perform remediation as indicated. In the absence of manufacturer limits, perform remediation if any test value exceeds 75 percent relative humidity.
- F. Report: Report the information required by the test method.

3.4 ALKALINITY TESTING

- A. Where the floor covering manufacturer's requirements conflict with either the referenced test method or this specification, comply with the manufacturer's requirements.
- B. The following procedure is the equivalent of that described in ASTM F710, repeated here for the Contractor's convenience.
- C. Use a wide range alkalinity (pH) test paper, its associated chart, and distilled or deionized water.
- D. Place several drops of water on a clean surface of concrete, forming a puddle approximately 1 inch (25 mm) in diameter. Allow the puddle to set for approximately 60 seconds, then dip the alkalinity (pH) test paper into the water, remove it, and compare immediately to chart to determine alkalinity (pH) reading.
- E. In the event that test values exceed floor covering manufacturer's limits, perform remediation as indicated. In the absence of

manufacturer limits, perform remediation if alkalinity (pH) test value is over 10.

-- End of Section --

SECTION 09 65 00

RESILIENT FLOORING
08/10, CHG 3: 08/18

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

ASTM INTERNATIONAL (ASTM)

ASTM F1066	(2023) Standard Specification for Vinyl Composition Floor Tile
ASTM F1482	(2021) Standard Practice for Installation and Preparation of Panel Type Underlayments to Receive Resilient Flooring
ASTM F1861	(2021) Standard Specification for Resilient Wall Base
ASTM F1869	(2023) Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride
ASTM F2169	(2015; R 2020; E 2020) Standard Specification for Resilient Stair Treads
ASTM F2170	(2019a) Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes

CALIFORNIA DEPARTMENT OF PUBLIC HEALTH (CDPH)

CDPH SECTION 01350	(2017; Version 1.2) Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources using Environmental Chambers

GREEN SEAL (GS)

GS-36	(2013) Adhesives for Commercial Use

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD)

SCAQMD Rule 1168	(2022) Adhesive and Sealant Applications

1.2 SUBMITTALS

Government approval is required for submittals with a "G" or "S" classification. Submittals not having a "G" or "S" classification are for Contractor Quality Control approval. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-03 Product Data

Vinyl Composition Tile; G

Adhesives

SD-04 Samples

Vinyl Composition Tile; G

SD-06 Test Reports

Moisture, Alkalinity and Bond Tests; G

SD-07 Certificates

SD-08 Manufacturer's Instructions

Surface Preparation; G

SD-10 Operation and Maintenance Data

Vinyl Composition Tile; G

1.3 Quality Assurance

Installer Qualifications: Company specializing in installing specified flooring with minimum three years documented experience.

1.4 DELIVERY, STORAGE, AND HANDLING

- a. Upon receipt, immediately remove any shrink-wrap and check materials for damage and the correct style, color, quantity and run numbers.
- b. Store all materials off of the floor in an acclimatized, weather-tight space.
- c. Maintain temperature in storage area between 55 degrees F (13 degrees C) and 90 degrees F (72 degrees C).
- d. Protect roll materials from damage by storing on end.
- e. Do not double stack pallets.

1.5 ENVIRONMENTAL REQUIREMENTS

Maintain areas to receive resilient flooring at a temperature above 68 degrees F and below 85 degrees F. Maintain the ambient relative humidity between 40-60% during installation.

PART 2 PRODUCTS

2.1 VINYL COMPOSITION TILE

Homogeneous, with color extending throughout thickness.

1. Minimum Requirements: Comply with ASTM F1066, of Class corresponding to type specified.
2. Size: 12 by 12 inch (305 by 305 mm).
3. Thickness: 0.125 inch (3.2 mm).
4. Color: Match existing, to be selected by Government from manufacturer's full range.

2.2 RESILIENT BASE

Resilient Base: ASTM F1861, Type TS rubber, vulcanized thermoset; top set Style B, Cove.

1. Height: 6 inch (100 mm)
2. Thickness: 0.125 inch (3.2 mm)
3. Finish: Satin.
4. Length: Roll.
5. Color: Match existing, to be selected by Government from manufacturer's full range.
6. Accessories: Pre-molded external corners.
7. Style: Cove (with top-set toe).

2.3 STAIR TREADS, RISERS AND STRINGERS

ASTM F2169, rubber, nosing not less than 1-5/8 inch (41 mm) deep.

2.4 ADHESIVES

Provide adhesives for flooring, base and accessories as recommended by the manufacturer and comply with local indoor air quality standards. Submit manufacturer's descriptive data, documentation stating physical characteristics, and mildew and germicidal characteristics.

Provide non-aerosol adhesive products used on the interior of the building (defined as inside of the weatherproofing system) that meet either emissions requirements of CDPH SECTION 01350 (limit requirements for either office or classroom spaces regardless of space type) or VOC content requirements of SCAQMD Rule 1168. Provide aerosol adhesives used on the interior of the building that meet either emissions requirements of CDPH SECTION 01350 (use the office or classroom requirements, regardless of space type) or VOC content requirements of GS-36. Provide certification

or validation of indoor air quality for adhesives. 2.5 SURFACE PREPARATION MATERIALS

Provide surface preparation materials, such as panel type underlayment, lining felt, and floor crack fillers as recommended by the flooring manufacturer for the subfloor conditions. Comply with ASTM F1482 for panel type underlayment products.

2.6 ACCESSORIES

A. Adhesive for Resilient Vinyl Flooring:

1. As required by flooring manufacturer for substrate. Verify substrates prior to bid.

B. Trowelable and Patching Compounds: As recommended in writing by the flooring manufacturer.

C. Sealer and Wax: Types recommended by flooring manufacturer.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that surfaces are flat to tolerances acceptable to flooring manufacturer, free of cracks that might telegraph through flooring, clean, dry, and free of curing compounds, surface hardeners, and other chemicals that might interfere with bonding of flooring to substrate.
- B. Cementitious Subfloor Surfaces: Verify that substrates are ready for resilient flooring installation by testing for moisture and alkalinity (pH).
 - 1. Obtain instructions if test results are not within limits recommended by resilient flooring manufacturer and adhesive manufacturer.
- C. Flooring manufacturers to give the Government written approval that substrate is acceptable prior to commencing with any floor installation. This shall not add any cost to the owner or time to the contract schedule.
- D. Refer to paragraph 1.1 REFERENCES for floor substrate testing.
- E. Surface cracks, grooves, depressions, control joints or other non-moving joints, and other irregularities shall be filled or smoothed with patching or underlayment compound recommended by the resilient flooring manufacturer and for job conditions for filling or smoothing, or both. The flooring contractor shall include these cost in their bid.
 - 1. Obtain instructions if test results are not within limits recommended by resilient flooring manufacturer and adhesive materials manufacturer.

3.2 MOISTURE, ALKALINITY AND BOND TESTS

Determine the suitability of the concrete subfloor for receiving the resilient flooring with regard to moisture content and pH level by moisture and alkalinity tests. Conduct moisture testing in accordance

with ASTM F1869 or ASTM F2170, unless otherwise recommended by the flooring manufacturer. Conduct alkalinity testing as recommended by the flooring manufacturer. Determine the compatibility of the resilient flooring adhesives to the concrete floors by a bond test in accordance with the flooring manufacturer's recommendations. Submit copy of test reports for moisture and alkalinity content of concrete slab, and bond test stating date of test, person conducting the test, and the area tested.

3.3 GENERAL INSTALLATION

- A. Starting installation constitutes acceptance of subfloor conditions.
- B. Install in accordance with manufacturer's written instructions.

3.4 CLEANING

- A. Remove excess adhesive from floor, base, and wall surfaces without damage.
- B. Clean in accordance with manufacturer's written instructions.

3.5 PROTECTION

- A. Prohibit traffic on resilient flooring for 48 hours after installation.
- B. No heavy traffic, rolling loads or furniture for 72 hours after installation.
- C. Apply Polish/wax as recommended by manufacturer for initial installation. Minimum 3 coats.
-- End of Section --

SECTION 09 68 00

CARPETING

11/17, CHG 2: 08/20

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

ASTM INTERNATIONAL (ASTM)

ASTM D2859	(2016) Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials
ASTM D5848	(2020) Standard Test Method for Mass Per Unit Area of Pile Yarn Floor Coverings
ASTM E648	(2023) Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source
ASTM E662	(2021a; E 2021) Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials

CALIFORNIA DEPARTMENT OF PUBLIC HEALTH (CDPH)

CDPH SECTION 01350	(2017; Version 1.2) Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources using Environmental Chambers

CARPET AND RUG INSTITUTE (CRI)

CRI 104	(2015) Carpet Installation Standard for Commercial Carpet
CRI 105	(2015) Carpet Installation Standard for Residential Carpet

GREEN SEAL (GS)

GS-36	(2013) Adhesives for Commercial Use

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 253	(2011) Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD)

SCAQMD Rule 1113	(2016) Architectural Coatings

SCAQMD Rule 1168

(2022) Adhesive and Sealant Applications

1.2 SUBMITTALS

Government approval is required for submittals with a "G" or "S" classification. Submittals not having a "G" or "S" classification are for information only. When used, a code following the "G" classification identifies the office that will review the submittal for the Government. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-03 Product Data

Carpet; G

SD-04 Samples

Carpet; G
Moisture and Alkalinity Tests; G

SD-08 Manufacturer's Instructions

Surface Preparation

SD-10 Operation and Maintenance Data

Cleaning and Protection

SD-11 Closeout Submittals

Warranty

1.3 DELIVERY, STORAGE, AND HANDLING

Deliver materials to the site in the manufacturer's original wrappings and packages clearly labeled with the manufacturer's name, brand name, size, dye lot number, and related information. Remove materials from packaging and store them in a clean, dry, well ventilated area protected from damage, soiling, and moisture, and maintain at a temperature above 60 degrees F for 2 days prior to installation. Do not store carpet near materials that may off gas or emit harmful fumes, such as kerosene heaters, fresh paint, or adhesives.

1.4 AMBIENT CONDITIONS

Maintain areas in which carpeting is to be installed at a temperature above 60 degrees F and below 90 degrees F for 2 days before installation, during installation, and for 2 days after installation. Provide temporary ventilation during work of this section. Maintain a minimum temperature of 55 degrees F thereafter for the duration of the contract.

1.5 WARRANTY

Provide manufacturer's standard performance guarantees or warranties

including minimum ten year wear warranty, two year material and workmanship and ten year tuft bind and delamination.

PART 2 PRODUCTS

2.1 CARPET

Furnish first quality carpet that is free of visual blemishes, streaks, poorly dyed areas, fuzzing of pile yarn, spots or stains, and other physical and manufacturing defects. Provide carpet materials and treatments as reasonably nonallergenic and free of other recognized health hazards. Provide a static control construction on all grade carpets which gives adequate durability and performance. Submit manufacturer's catalog data and printed documentation stating physical characteristics, durability, resistance to fading, and flame resistance characteristics for each type of carpet material and installation accessory. Submit manufacturer's Product Data for Carpet. Also, submit Samples of the following:

- a. Carpet: Two "Production Quality" samples 18 by 18 inches of each carpet proposed for use, showing quality, pattern, and color specified

2.1.1 Indoor Air Quality Requirements

Products must meet emissions requirements of CDPH SECTION 01350.

2.1.2 Physical Characteristics for Modular Tile Carpet

2.1.2.1 Carpet Construction

Tufted

2.1.2.2 Type

2.1.2.3 Pile Type

Loop Pile.

2.1.2.4 Pile Fiber

100% Milliken-Certified Wearon Nylon Type 6.6.

2.1.2.5 Pile Height

0.08 inch

2.1.2.6 Tufts per Square Inch

82.4

2.1.2.7 Surface Pile Weight

Minimum 19 ounces per square yard average. This does not include weight of backings. Determine weight in accordance with ASTM D5848.

2.1.2.8 Backing Materials

PVC-Free Underscore ES cushion.

2.2 PERFORMANCE REQUIREMENTS

2.2.1 Flammability and Critical Radiant Flux Requirements

Minimum of 0.22 watts/sq cm, when tested with ASTM E648 or NFPA 253.

2.2.2 Surface Flammability Ignition

Pass ASTM D2859 (the 'pill test'). Flammability passes Class 1 (ASTM E648) Radiant Panel; $\geq 0.45.b$.

2.2.3 VOC Content

Provide CRI Greel Label Plus certified product; in lieu of labeling, independent test report showing compliance is acceptable.

2.2.4 Smoke Density

ASTM E662 ≤ 450 .

2.2.5 Treatments

Stainsmart.

2.3 ADHESIVES AND CONCRETE PRIMER

Comply with applicable regulations regarding toxic and hazardous materials. Provide water resistant, mildew resistant, nonflammable, and nonstaining adhesives and concrete primers for carpet installation as required by the carpet manufacturer. Non-aerosol adhesive products used on the interior of the building (defined as inside of the weatherproofing system) must meet either emissions requirements of CDPH SECTION 01350 (limit requirements for either office or classroom spaces regardless of space type) or VOC content requirements of SCAQMD Rule 1168. Aerosol adhesive products used on the interior of the building (defined as inside of the weatherproofing system) must meet either emissions requirements of CDPH SECTION 01350 (limit requirements for either office or classroom spaces regardless of space type) or VOC content requirements of GS-36. Concrete primer products used on the interior of the building (defined as inside of the weatherproofing system) must meet either emissions requirements of CDPH SECTION 01350 (limit requirements for either office or classroom spaces regardless of space type) or VOC content requirements of SCAQMD Rule 1113.

2.4 COLOR, TEXTURE, AND PATTERN

a. Color: To match existing Building 28 colors and patterns.

b. Pattern: Eye contact, Monolithic Install.

c. Pattern Repeat: 18" W x 15.5" L.

PART 3 EXECUTION

3.1 SURFACE PREPARATION

Do not install carpet on surfaces that are unsuitable and will prevent a proper installation. Prepare subfloor in accordance with flooring manufacturer's recommended instructions. Repair holes, cracks, depressions, or rough areas using material recommended by the carpet or adhesive manufacturer. Free floor of any foreign materials and sweep clean. Before beginning work, test subfloor with glue and carpet to determine "open time" and bond. Submit three copies of the manufacturer's printed Installation instructions for the carpet, including Surface Preparation, seaming techniques, and recommended adhesives and tapes.

3.2 MOISTURE AND ALKALINITY TESTS

Test concrete slab for moisture content and excessive alkalinity in accordance with CRI 104/CRI 105. Submit three copies of reports of Moisture and Alkalinity Tests including content of concrete slab stating date of test, person conducting the test, and the area tested.

3.3 PREPARATION OF CONCRETE SUBFLOOR

Do not commence installation of the carpeting until concrete substrate is at least 90 days old. Prepare the concrete surfaces in accordance with the carpet manufacturer's instructions. Match carpet, when required, and adhesives to prevent off-gassing to a type of curing compounds, leveling agents, and concrete sealer.

3.4 INSTALLATION

Perform all work by manufacturer's approved installers. Conduct installation in accordance with the manufacturer's printed instructions and CRI 104/CRI 105. Protect edges of carpet meeting hard surface flooring with molding and install in accordance with the molding manufacturer's printed instructions. Follow ventilation, personal protection, and other safety precautions recommended by the adhesive manufacturer. Continue ventilation during installation and for at least 72 hours following installation. Do not permit traffic or movement of furniture or equipment in carpeted area for 24 hours after installation. Complete other work which would damage the carpet prior to installation of carpet.

Do not install building construction materials that show visual evidence of biological growth.

3.5 CLEANING AND PROTECTION

Submit three copies of carpet manufacturer's maintenance instructions describing recommended type of cleaning equipment and material, spotting and cleaning methods, and cleaning cycles.

3.5.1 Cleaning

After installation of the carpet, remove debris, scraps, and other foreign matter. Remove soiled spots and adhesive from the face of the carpet with appropriate spot remover. Cut off and remove protruding face yarn. Vacuum carpet clean.

3.5.2 Protection

Protect the installed carpet from soiling and damage with heavy, reinforced, nonstaining kraft paper, plywood, or hardboard sheets. Lap and secure edges of kraft paper protection to provide a continuous cover. Restrict traffic for at least 48 hours. Remove protective covering when directed by the Contracting Officer.

3.6 MAINTENANCE

3.6.1 Extra Materials

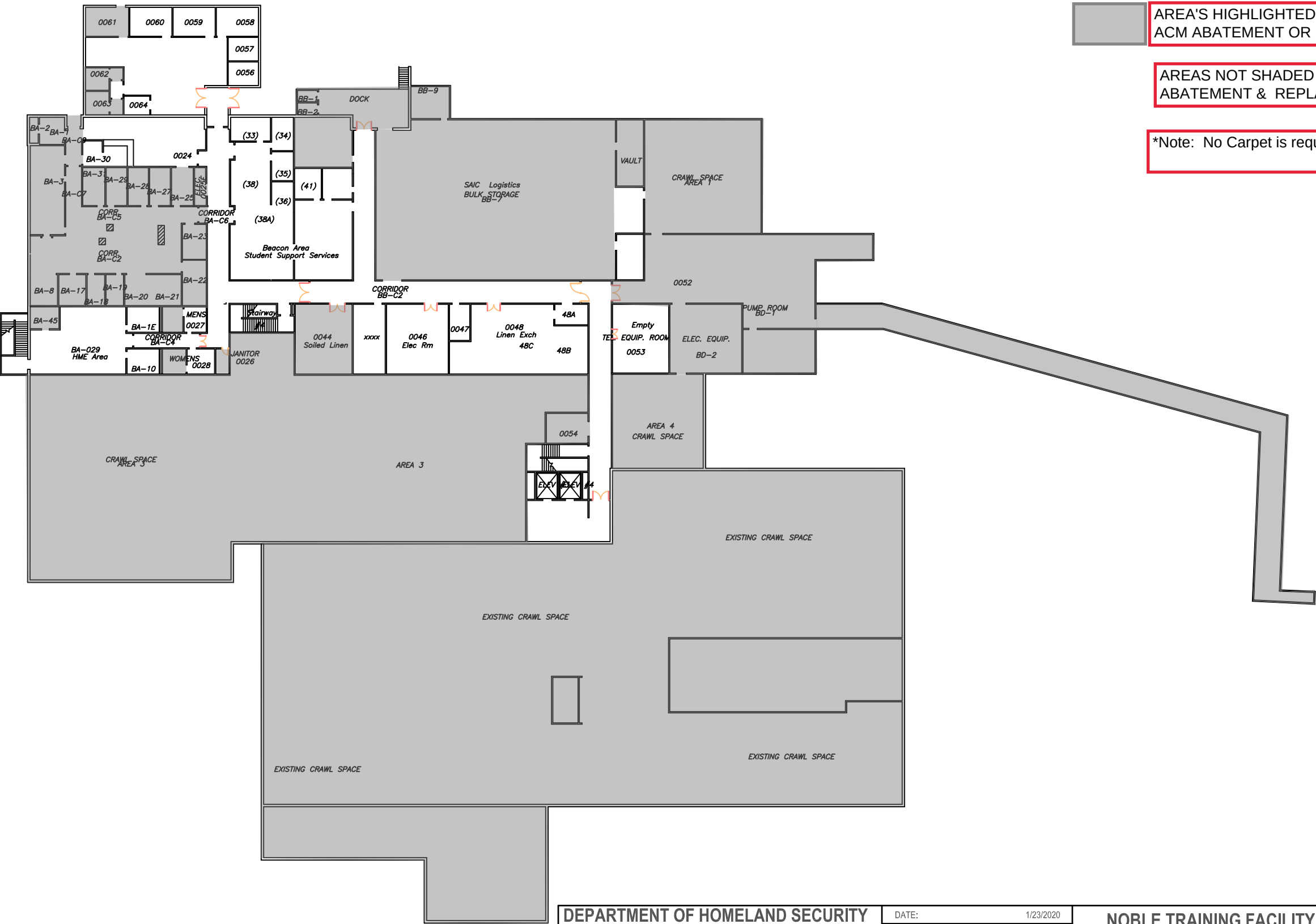
Provide extra material from same dye lot consisting of uncut carpet tiles for future maintenance. Provide a minimum of three percent of total square yards of each carpet type, pattern, and color.

-- End of Section --

APPENDIX A

NOBLE TRAINING FACILITY (NTF) FLOORING ABATEMENT
PLAN

NOBLE TRAINING FACILITY / BASEMENT



- AREA'S HIGHLIGHTED IN GRAY DO NOT REQUIRE ACM ABATEMENT OR FLOOR REPLACEMENT
- AREAS NOT SHADED SHALL REQUIRE FLOORING ABATEMENT & REPLACEMENT WITH VCT
- *Note: No Carpet is required on the basement level

DEPARTMENT OF HOMELAND SECURITY
CENTER FOR DOMESTIC PREPAREDNESS
61 RESPONDER DRIVE
ANNISTON, AL 36205
256.847.2142



DATE:	1/23/2020
SCALE:	NTS
VERSION:	CURRENT
DRAWN BY:	TGS
CHECKED BY:	
APPROVED BY:	

NOBLE TRAINING FACILITY
BASEMENT 490 CARE DRIVE ANNISTON, AL

REVISIONS:	
DATE:	COMMENTS:

NTF 1ST FLOOR PLAN



NTF 2ND FLOOR



AREA'S HIGHLIGHTED IN GRAY DO NOT REQUIRE ACM ABATEMENT OR FLOOR REPLACEMENT

AREAS NOT SHADED SHALL REQUIRE FLOORING ABATEMENT REPLACEMENT WITH VCT

*Note: No Carpet is required on the 2nd floor level

DEPARTMENT OF HOMELAND SECURITY
CENTER FOR DOMESTIC PREPAREDNESS
61 RESPONDER DRIVE
ANNISTON, AL 36205
256.847.2142



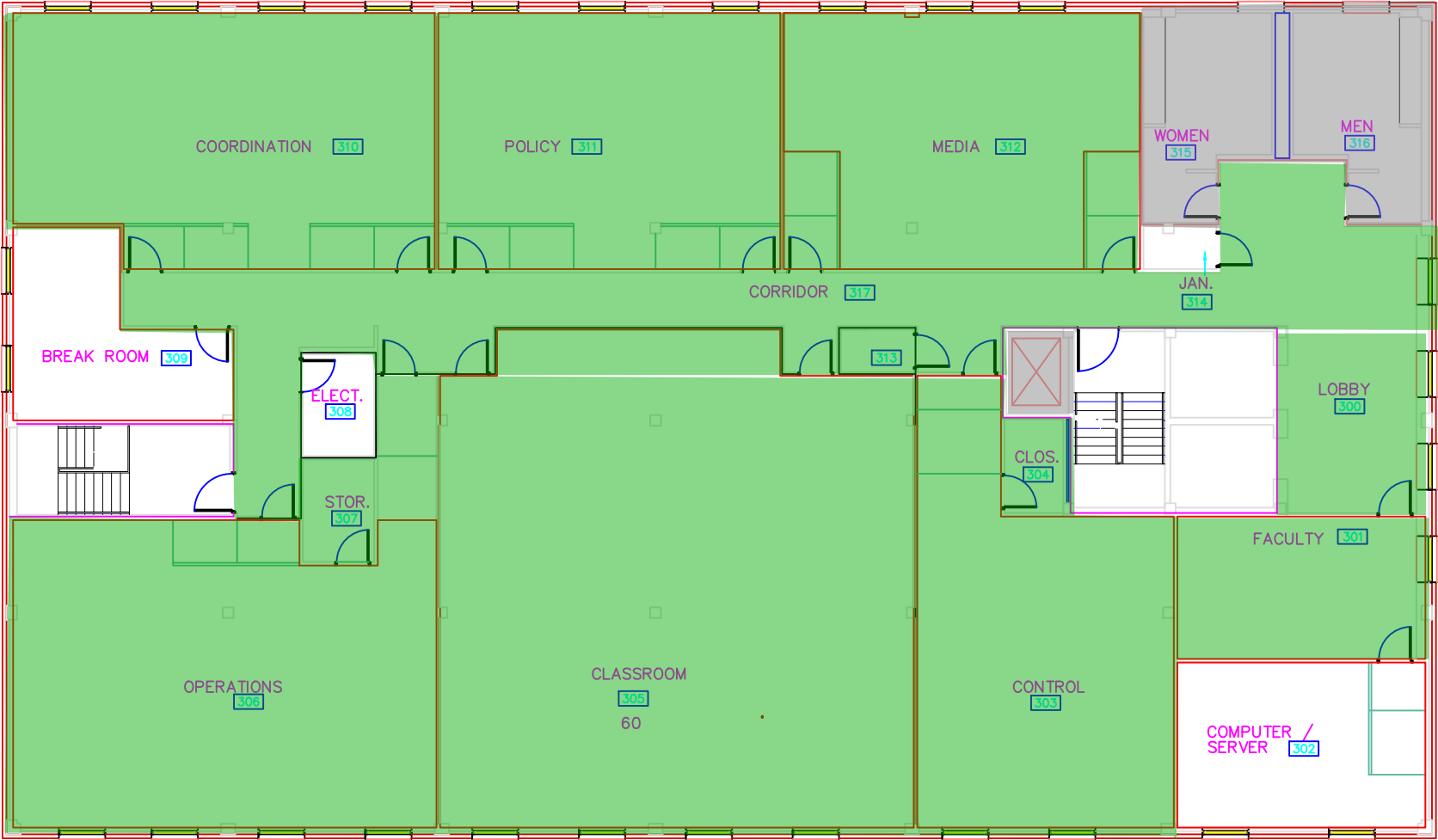
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SCALE: 1/32" = 1'-0"
VERSION: CURRENT
DRAWN BY: TGS
CHECKED BY:
APPROVED BY:

NOBLE TRAINING FACILITY
2ND FLOOR
FLOOR PLAN
490 CARE DRIVE
ANNISTON, AL

REVISIONS:	
DATE:	COMMENTS:

NTF 3RD FLOOR

AREA'S HIGHLIGHTED IN GRAY DO NOT REQUIRE ACM ABATEMENT OR FLOORING REPLACEMENT



AREAS NOT SHADED SHALL REQUIRE FLOORING ABATEMENT/REPLACEMENT WITH VCT

AREAS HIGHLIGHTED IN GREEN SHALL REQUIRE FLOORING ABATEMENT/REPLACEMENT WITH CARPET



APPENDIX B

NOBLE TRAINING FACILITY (NTF) FIRE DOOR REPLACEMENT
SCHEDULE

APPENDIX B- ACM FIRE DOOR SLABS TO BE REPLACED

ROOM #	NOTES	DOOR SCHEDULE IDENTIFIER	ROOM #	NOTES	DOOR SCHEDULE IDENTIFIER
BASEMENT			2nd FLOOR (Continued)		
Stairwell #5	Adjacent to Elevator (QTY 2)	BC 52A	2096		E2F 4D
Corridor BB-C2	Adjacent to room 0052 (QTY 2)	BB C2B	2095		E2F 3D
Corridor BB-C2	Adjacent to room 0044 (QTY 2)	BB C2A	2085		E2E 5A
0048	Linen Exchange (QTY 2)	BC 6A	2084		E2E 7A
0044	Soiled Linen (QTY 2)	BC 1A	2093		E2E 29A
0026	Janitor Closet	BA 13A	2083	(QTY 2)	E2E 3A & E2A 3B
1st FLOOR			2082		E2E 4A
1018		E1K 1A	2099		E2E 23A
Stairwell #3		E1J S5A	2108		E2F 10A
Corridor	Adjacent to room 1000 (QTY 2)	E1J C1A	2102		E2E 14A
1234		E1H 2A	Stairwell #1	(QTY 2)	E2F S1A
1215		E1G 52A	2111		E2F 17A
1239	Adjacent to room 1181 (QTY 2)	46" x 79"	2110		E2F 15A
Stairwell #1		E1G S1A	2114		E2F 20A
1196E		E1G 5AA	2115		E2F 23A
1199		E1G 2A	2116		E2F 24A
1200		E1G 1A	2117		E2F 27A
1171		1F 2A	2118		E2F 28A
1130 (1110)	Room Config Change	1A 27A (3' x 7' RH)	2123		46" x 79" RH
1129E		1A 3A	2124		E2G 5A
Janitor Closet	Adjacent to room 1142	1D 9A	2125		E2G 8A
1155E		1E 14A	2126		E2G 9A
1183		1F 16A	2152		E2G 34B
1179		1F 23A	2141		E2G 34A
1177		1F 24A	2127		E2G 12A
1176		1F 26A	2128		E2G 13A
FD103 (Corridor)	Adjacent to room 1181 (QTY 2)		2150		E2G 37A
1044E		1C 15B	2129		E2G 16A
1045		1C 15A	2130		E2G17A
1056		1C 10A	Stairwell #3	(QTY 2)	E2G S3A
1055		1C 12A	2131		E2G 19A
1058		1C 6A	2132		E2G 21A
1175		1B C10C	2133		E2G 24A
1175E		1FC 5A	2134		E2G 25A
2nd FLOOR			2142		E2G 36A
2080E	(QTY 2) adjacent to 2077	2C 29A	2135		E2G 28A
2070	(QTY 2)	2C 30A	2136		E2G 29A
2078		2C 36A	2137		E2G 1A
2079		2C 35A	Stairwell #5	(QTY 2)	2C S1A
2054		2C 7A	Stairwell #4	(QTY 2)	2D S2A
2060E	(QTY 2)	2C 25A			
Coridor Entry	(QTY 2) Adjacent to room 2058	2C C1C			
Coridor Entry	(QTY 2) Adjacent to room 2065	2C C1B			
Coridor Entry	(QTY 2) Adjacent to room 2048	2C C1A			
2055		2C 9A			
2066		2C 21A			
2075		2C 34A			
2076		2C 29B			
Stairwell #2	(QTY 2)	E2F S2A			
2094		E2F 2A			
2092	(QTY 2)	E2E 28A : E2E 28B			

APPENDIX C

NOBLE TRAINING FACILITY (NTF) HVAC ZONES

G

F

E

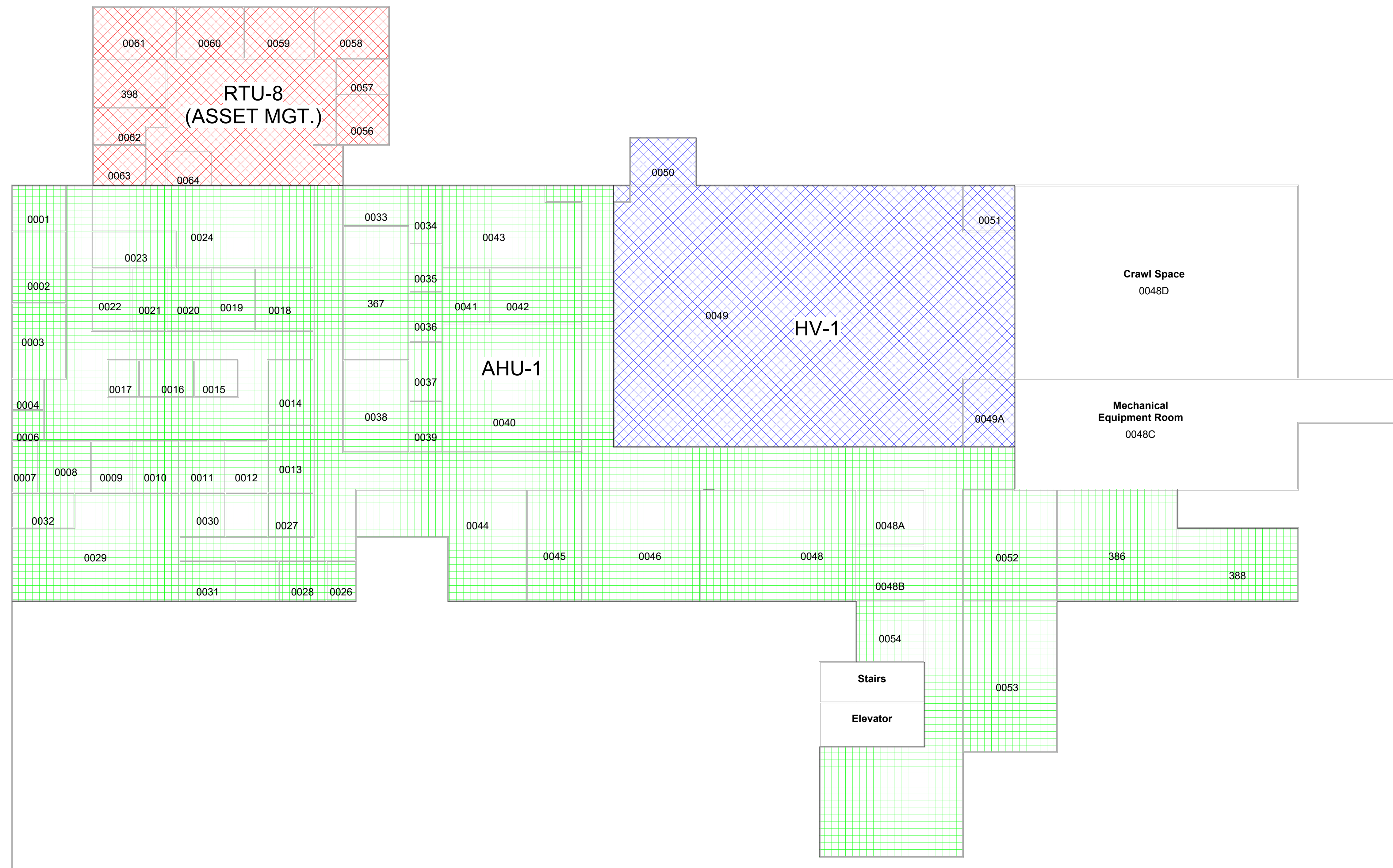
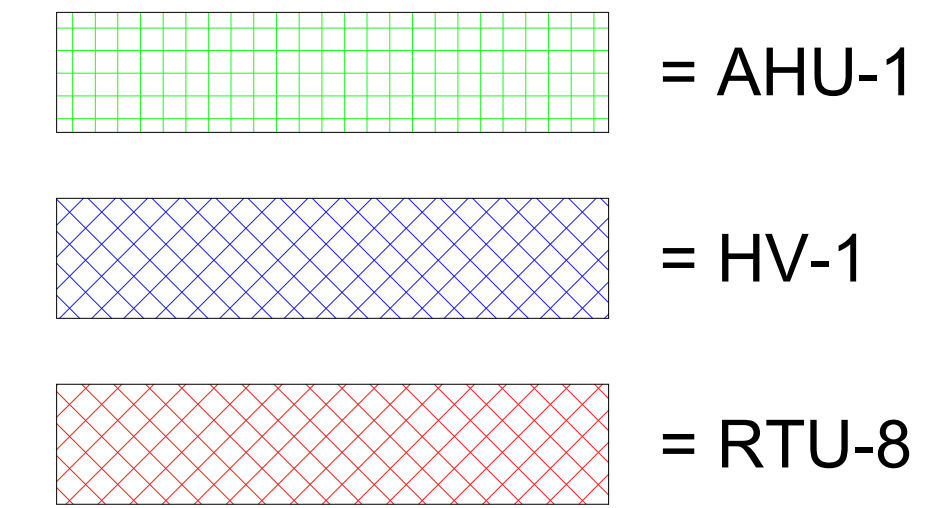
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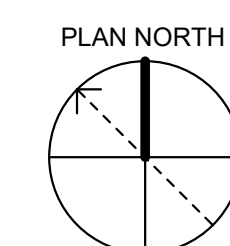
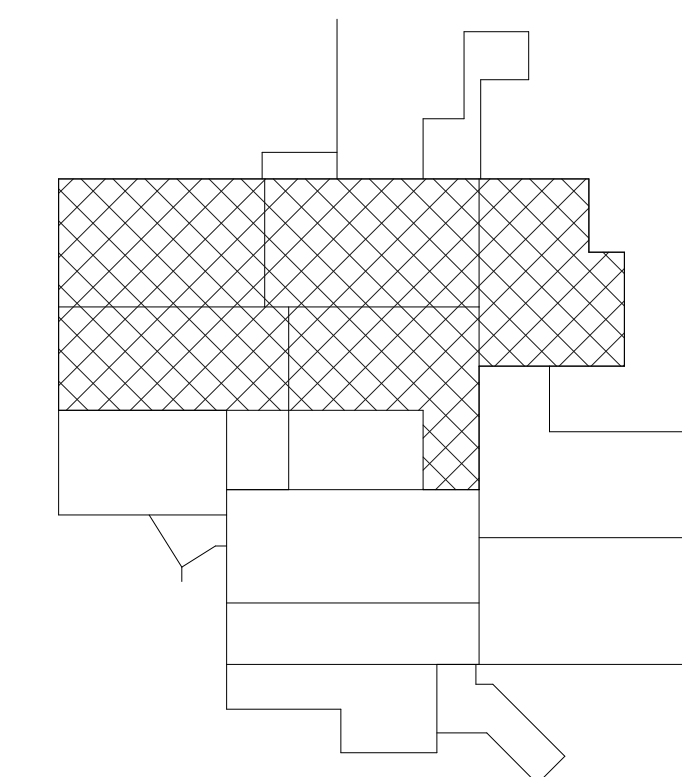
B

A

EXISTING ZONING LEGEND



1 BASEMENT - EXISTING ZONING
N.T.S.



CEMS ***RS&H***
A J O I N T V E N T U R E

Anniston NFT HVAC
Assessment

BASEMENT
FLOOR PLAN -
EXISTING ZONING

SHEET TITLE

FINAL HVAC
ASSESSMENT -
APPENDIX G

REVISIONS

[illegible]

M. BECKWITH

DRAWN

J. SCOTT

J. S.C.
DESIGNED

I. SCOTT

J. SCU
CHECKED

2. BACKGROUND

S. PAF

Figure 1

23-09-
ISSUE DATE

21-153AB

JOB NO.

M100

SHEET NO.

[illegible]

G

F

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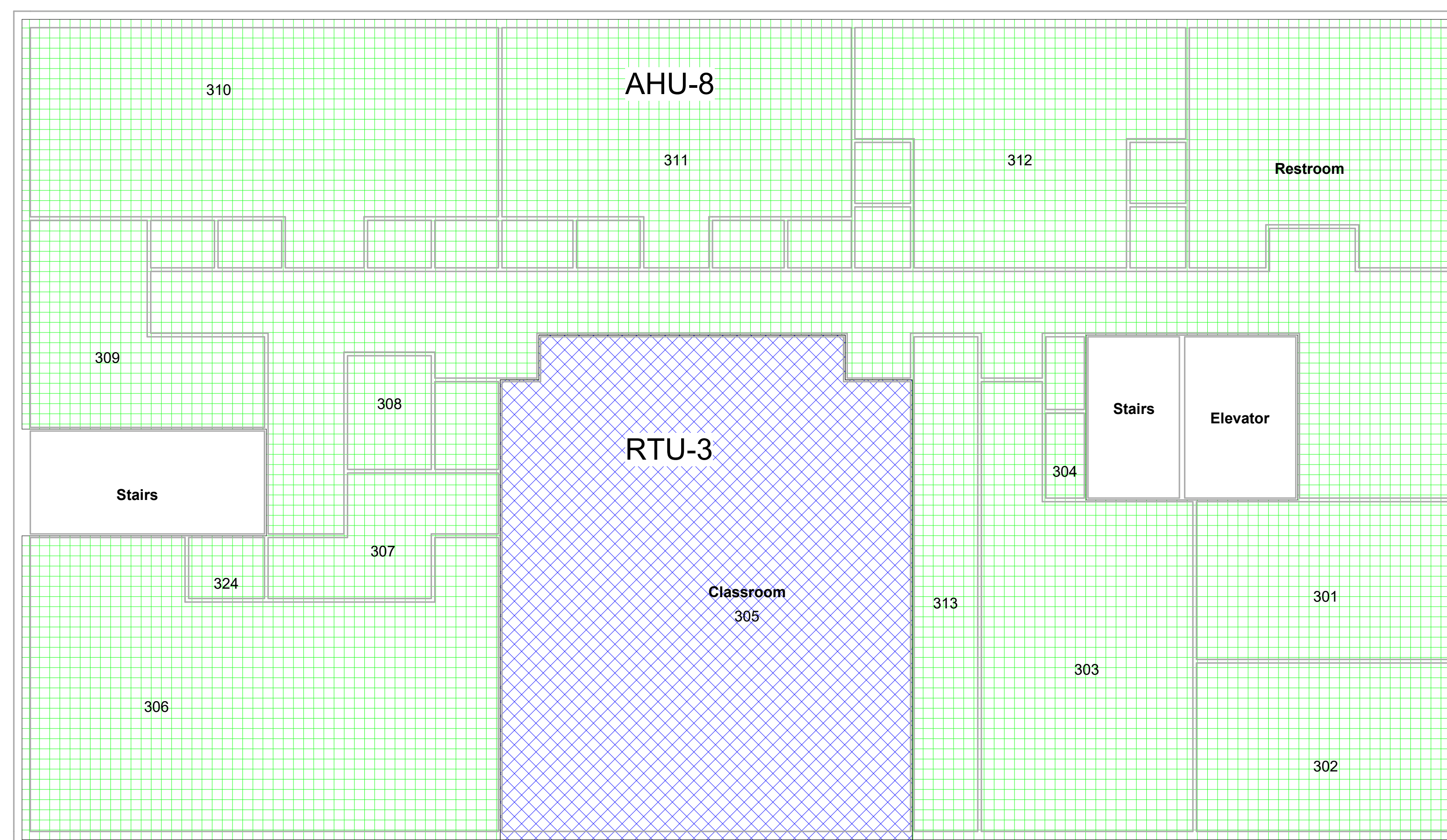
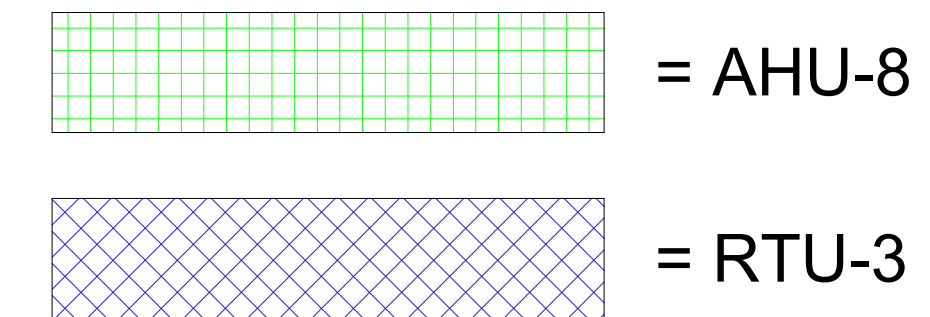
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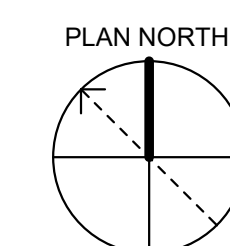
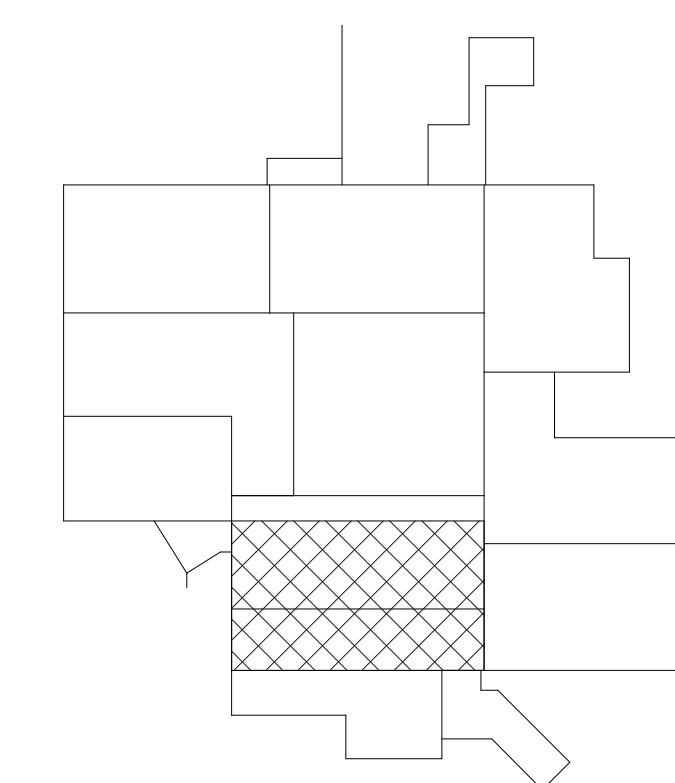
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A

EXISTING ZONING LEGEND



1 LEVEL 3 - EXISTING ZONING
N.T.S.



CEMS *RS&H*

A J O I N T V E N T U R E

Anniston NFT HVAC
Assessment

3RD FLOOR PLAN
- EXISTING
ZONING

SHEET TITLE

FINAL HVAC
ASSESSMENT -
APPENDIX G

REVISIONS

[illegible]

M. BECKWITH

DRAWN

J. SCOTT

J. SCOTT
DESIGNED

J. SCOTT

J. SCOT
CHECKED

2. BACKGROUND

S. PARK

APPROVED

23-09-22

21-153AB

JOB NO.

M103

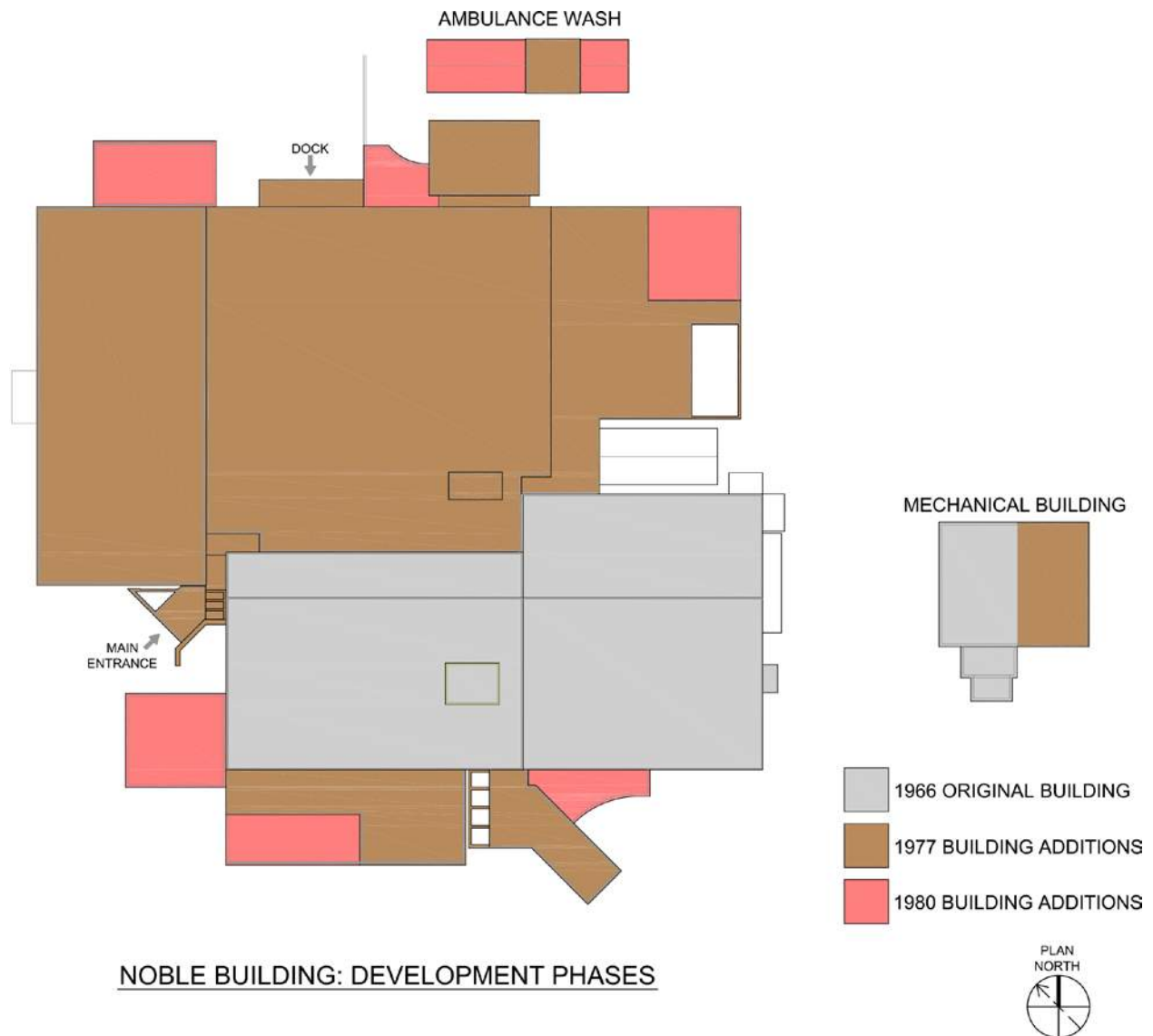
SHEET NO.

APPENDIX D

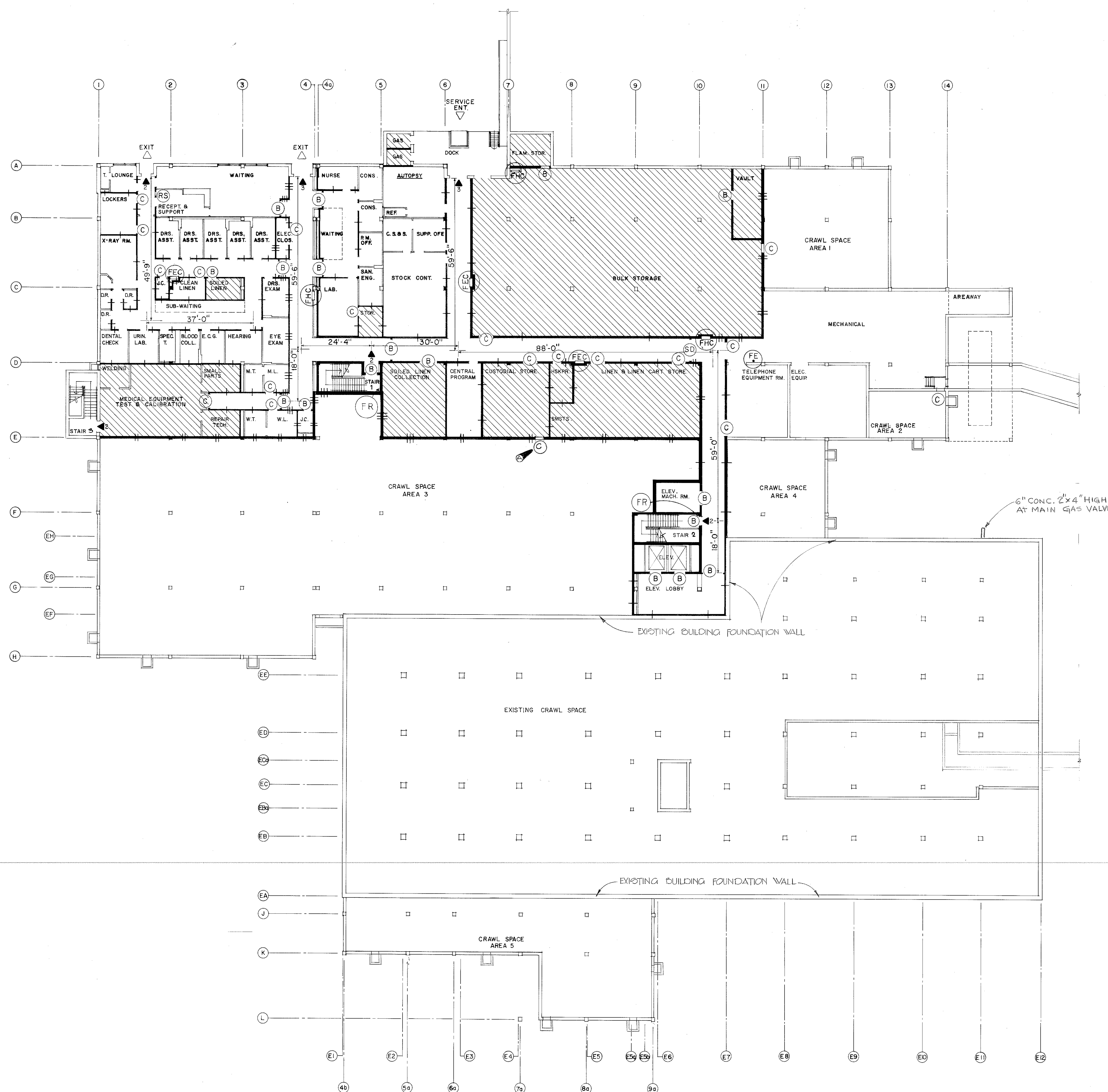
NOBLE TRAINING FACILITY (NTF) AS-BUILT DRAWINGS

(FOR INFORMATION ONLY)

NOBLE BUILDING - DEVELOPMENT PHASES



NOBLE BUILDING: DEVELOPMENT PHASES

FIRE PROTECTION PLAN : BASEMENT FLOOR
1/16" = 1'-0"

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
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		REV. AS PER CONTRACT DRAWING 76-C-0097	1 MAY 80	275

LEGEND

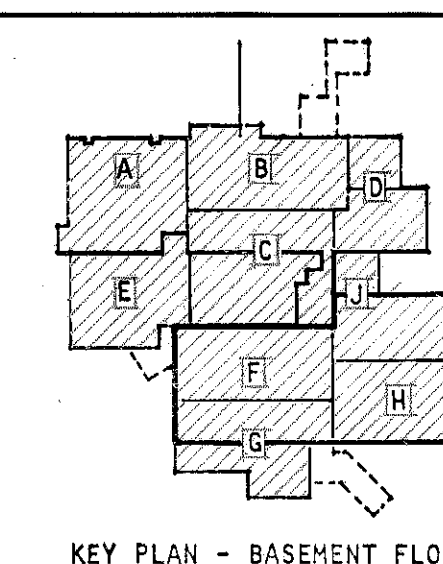
- WALLS NOT RATED
- 2 HOUR RATED WALLS
- 1 HOUR RATED WALLS
- FIRE/SMOKE WALLS - 1 HOUR RATED
- FIRE/SMOKE WALLS - 2 HOUR RATED
- FIRE HOSE CABINET (WITH PORTABLE FIRE EXTINGUISHER)
- FIRE EXTINGUISHER (WITH WALL BRACKET)
- 1 1/2 HOUR "B" LABEL DOOR
- 3/4 HOUR "C" LABEL DOOR
- SMOKE DOORS
- AUTOMATICALLY OPERATED ROLLING SHUTTER
- SPRINKLED AREA
- UNITS OF EXIT WIDTH (ONE UNIT EQUALS 22")
- EXIT
- ENTRANCE
- FIRE EXTINGUISHER IN CABINET
- FIRE RISER IN STAIR

GENERAL NOTES

- THIS DRAWING IS INTENDED AS A REFERENCE TO GIVE AN OVERALL PICTURE OF THE BUILDING'S FIRE PROTECTION, WHICH INCLUDES PARTITIONS, DOORS, EXITS, SPRINKLED AREAS, FIRE HOSE CABINETS AND EXTINGUISHER LOCATIONS.
- SEE APPROPRIATE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ALARM SYSTEMS, SMOKE DAMPERS AND DETECTORS, FIRE DAMPERS, SPRINKLERS AND ANY OTHER ITEMS PERTAINING TO THE FIRE PROTECTION SYSTEMS.
- SEE SHEETS A-28 AND A-70 FOR PARTITION DETAILS
- ALL RATED PARTITIONS AND WALLS SHALL EXTEND FROM THE FLOOR SLAB TO THE UNDERSIDE OF THE STRUCTURE ABOVE. ANY PENETRATION SHALL BE APPROPRIATELY SEALED TO MAINTAIN THE INTEGRITY OF THE RATED PARTITION OR WALL.
- STRUCTURAL SYSTEMS SHALL HAVE THE FOLLOWING MINIMUM RATINGS: COLUMNS, 3 HOURS; FLOORS, 2 HOURS AND ROOF, 2 HOURS.
- WHERE TWO LAYERS OF GYPSUM BOARD ARE REQUIRED, THE CONTRACTOR SHALL VERIFY ANY OFFSET STUDS SO THAT ALL PARTITIONS AND WALLS ARE FLUSH. THE TWO LAYERS OF GYPSUM BOARD SHALL BE EXTENDED AS NECESSARY TO A PERPENDICULAR WALL IN ORDER TO ELIMINATE ANY OFFSET IN THE GYPSUM BOARD FINISH.

EXIT UNIT CALCULATIONS

BASEMENT FLOOR AREA 25,196 SQ. FT.
TOTAL UNITS OF EXIT WIDTH REQUIRED =
25,196 SQ. FT. / 104.98 (105 PERSONS) = 4.77 UNITS
240 SQ. FT. PER PERSON / 22 PERSONS PER UNIT = 4.77 UNITS
NUMBER OF UNITS PROVIDED:
2-46" STAIR DOORS (2 UNITS) = 4 UNITS
1-46" EXIT DOOR (2 UNITS) = 2
2-72" EXIT DOORS (3 UNITS) = 6
TOTAL PROVIDED 12 UNITS



KEY PLAN - BASEMENT FLOOR

8' 0" 8' 16" 24' 32' 40'
1/16" = 1'-0"

GRAPHIC SCALES

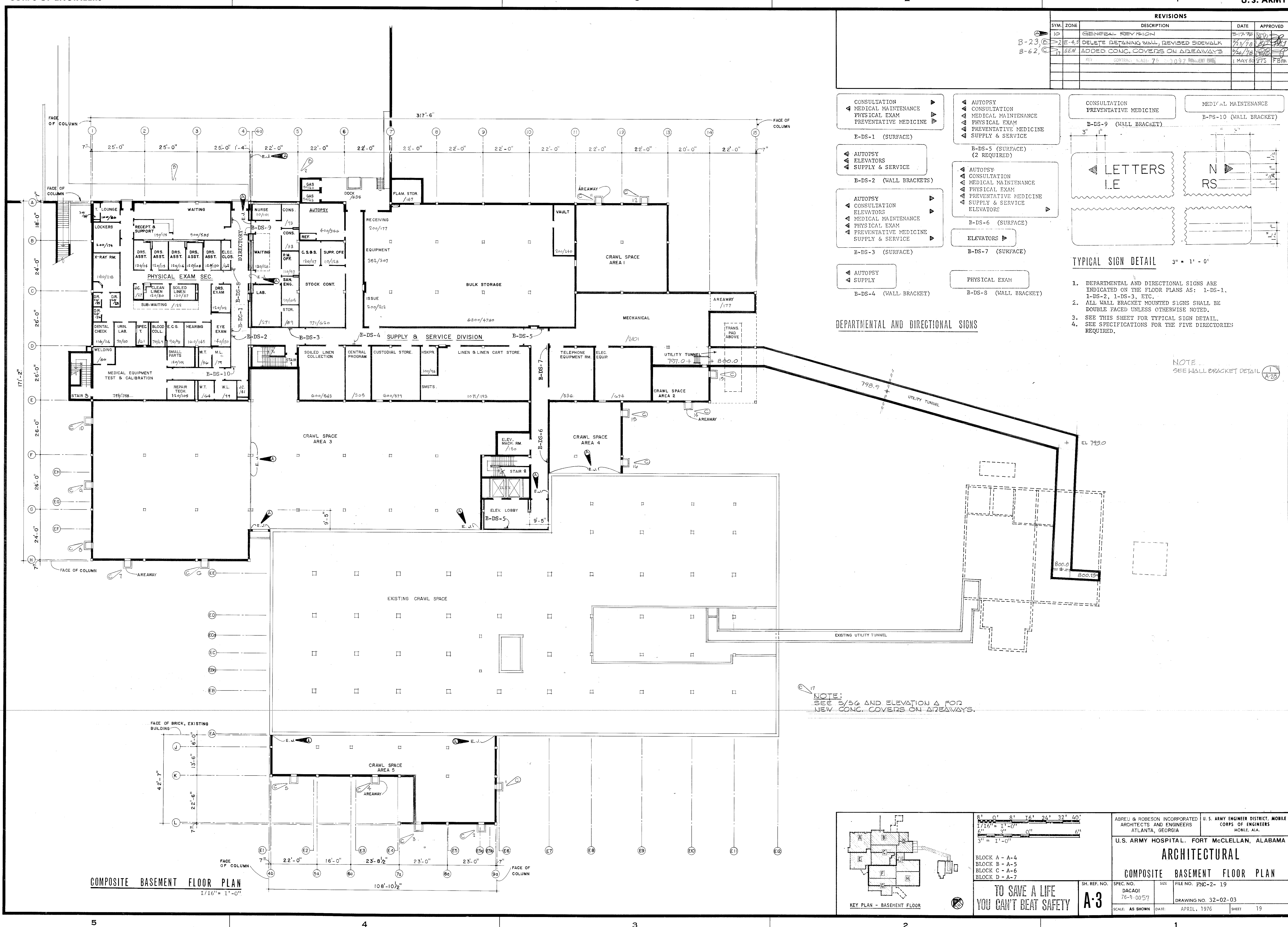
TO SAVE A LIFE
YOU CAN'T BEAT SAFETYSH. REF. NO.
A-2SPEC. NO.
DACA01
76-B-0157FILE NO.
FMC-2- 18

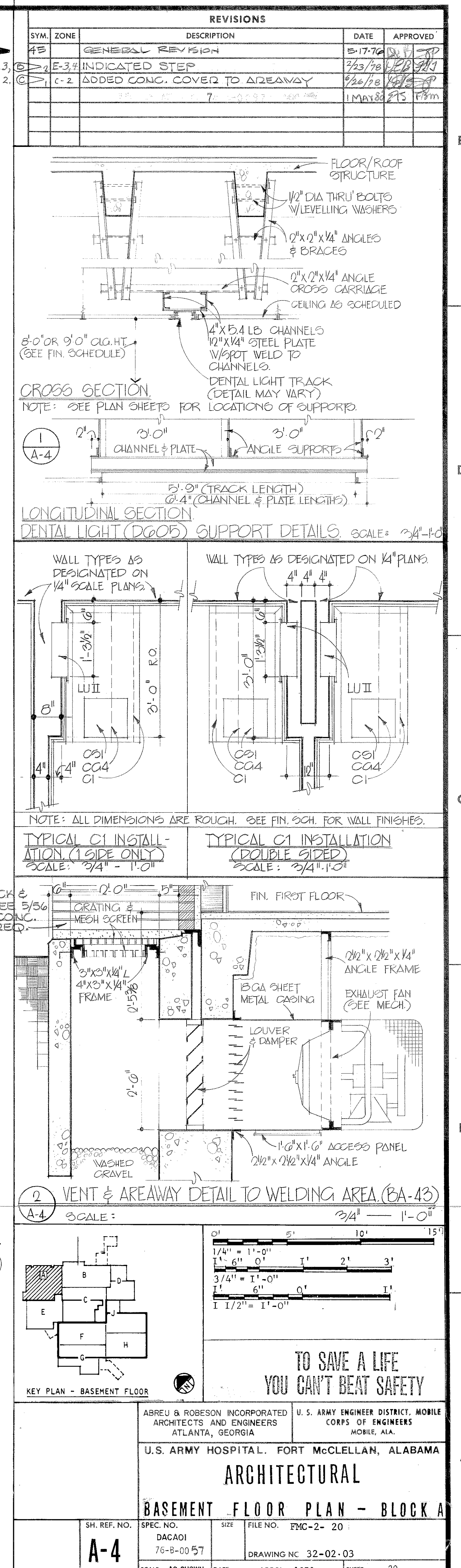
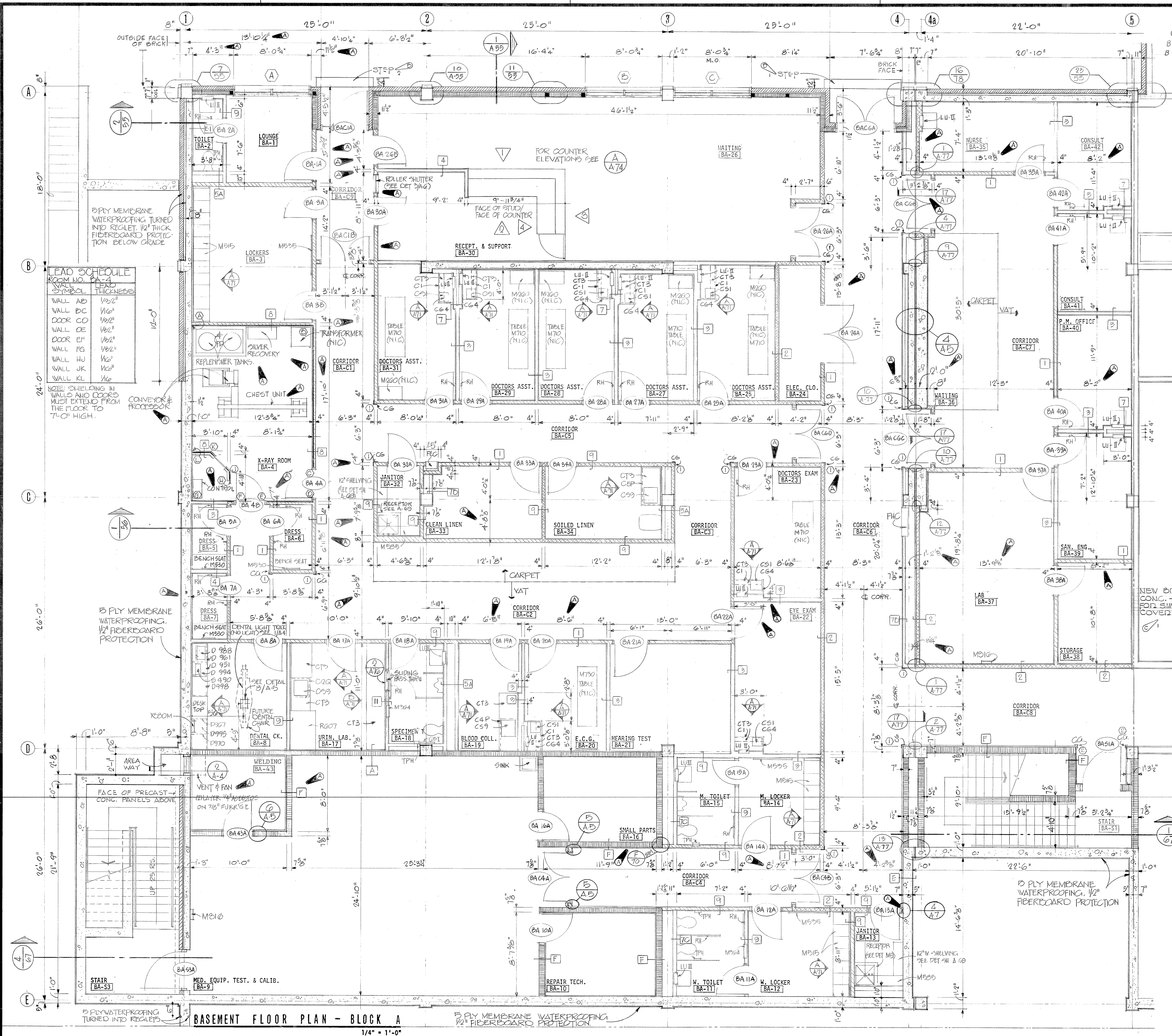
DRAWING NO. 32-02-03

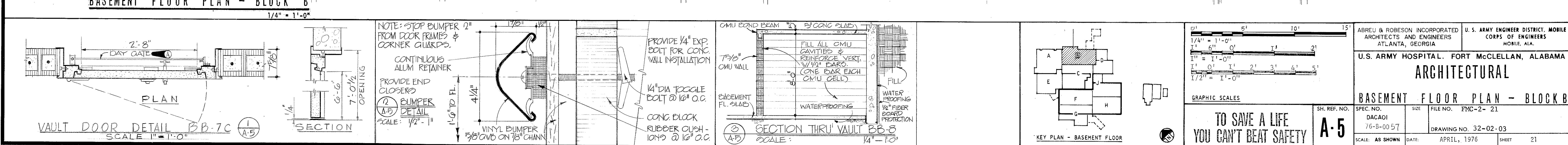
SCALE: AS SHOWN

DATE: APRIL, 1976

SHEET 18

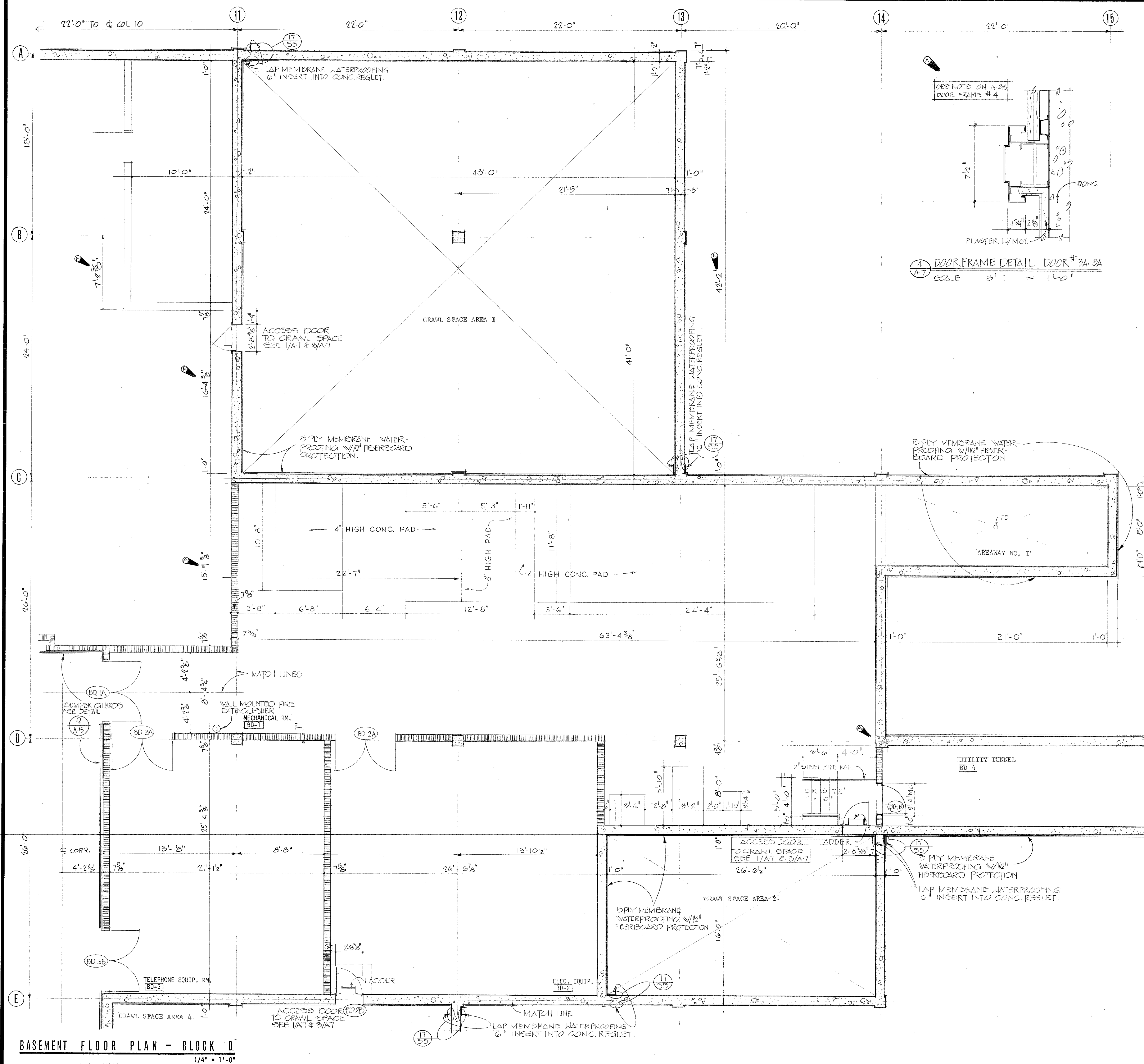




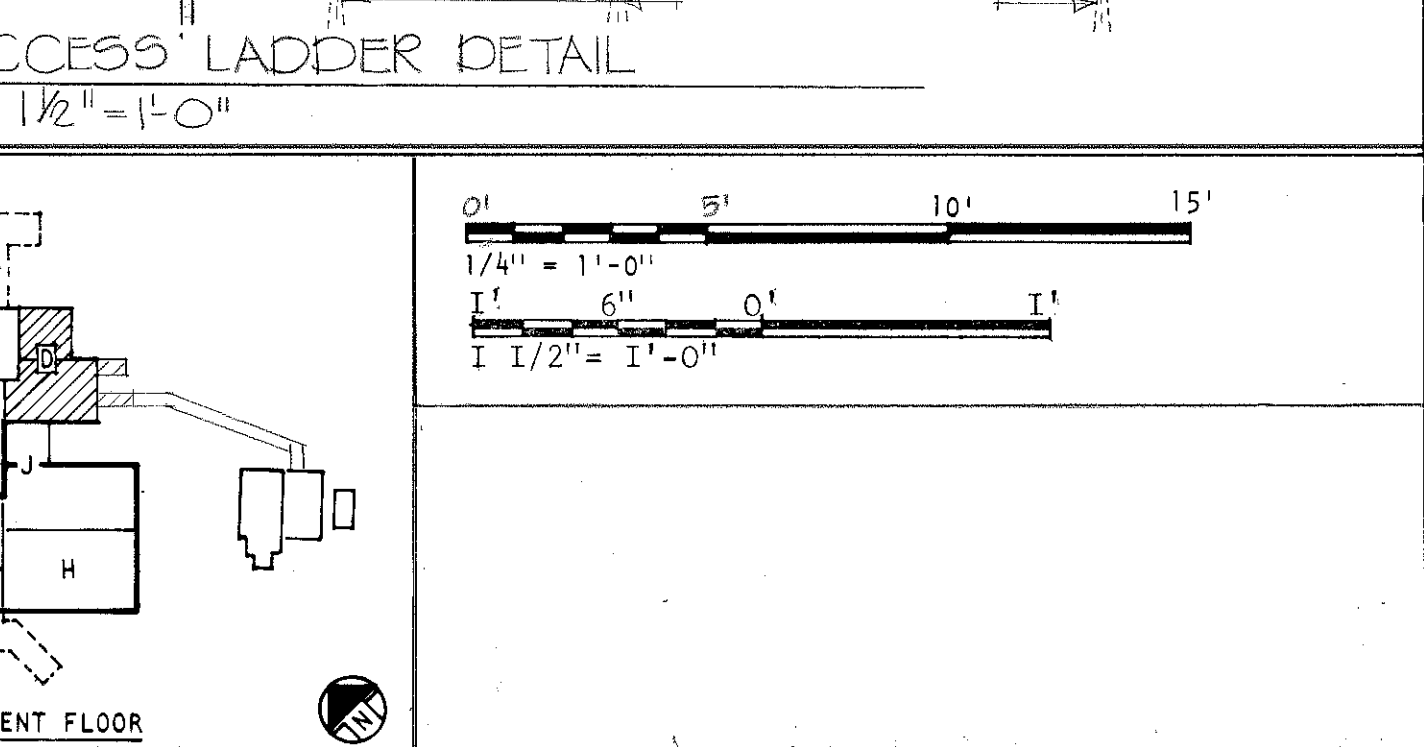
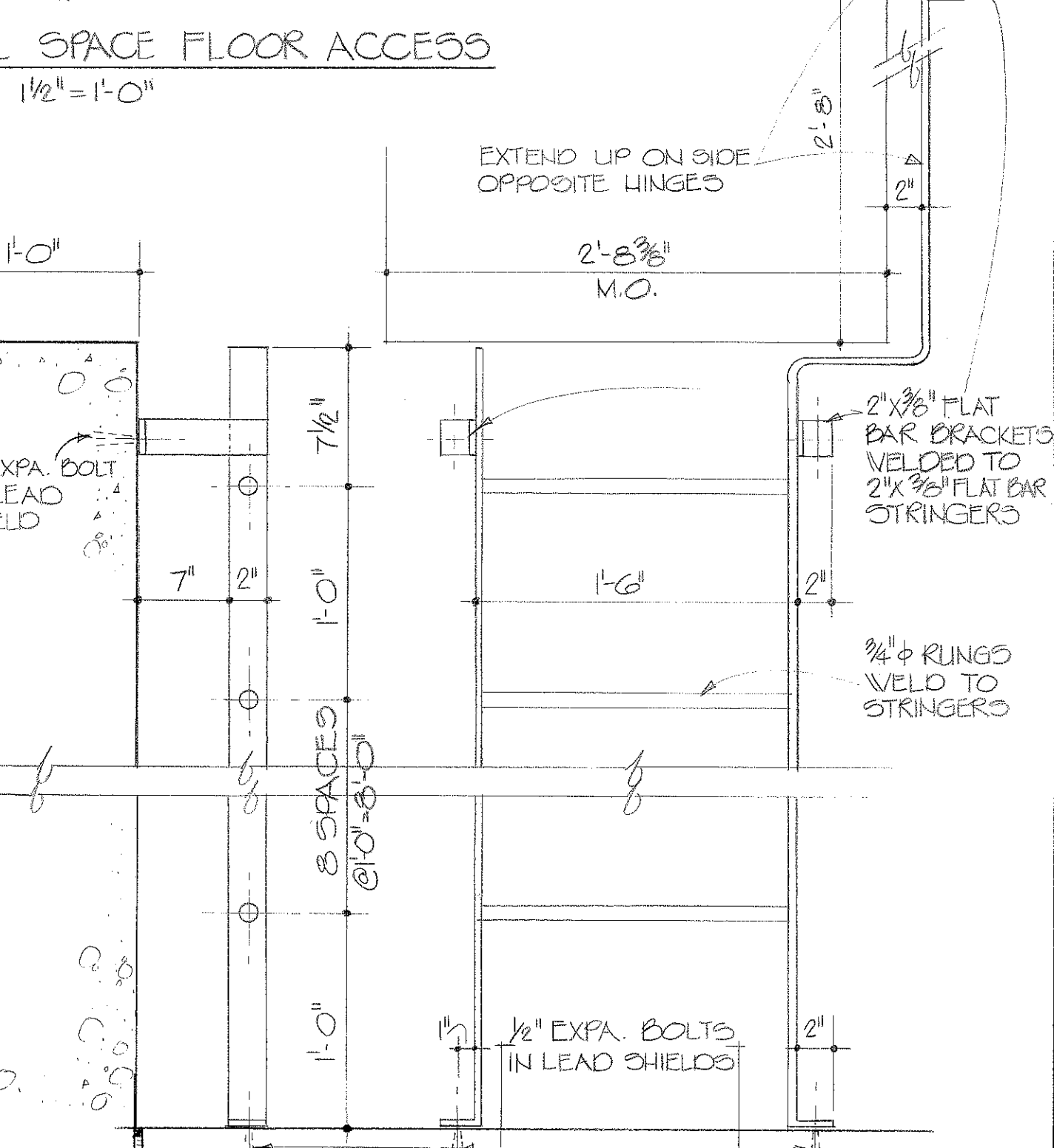
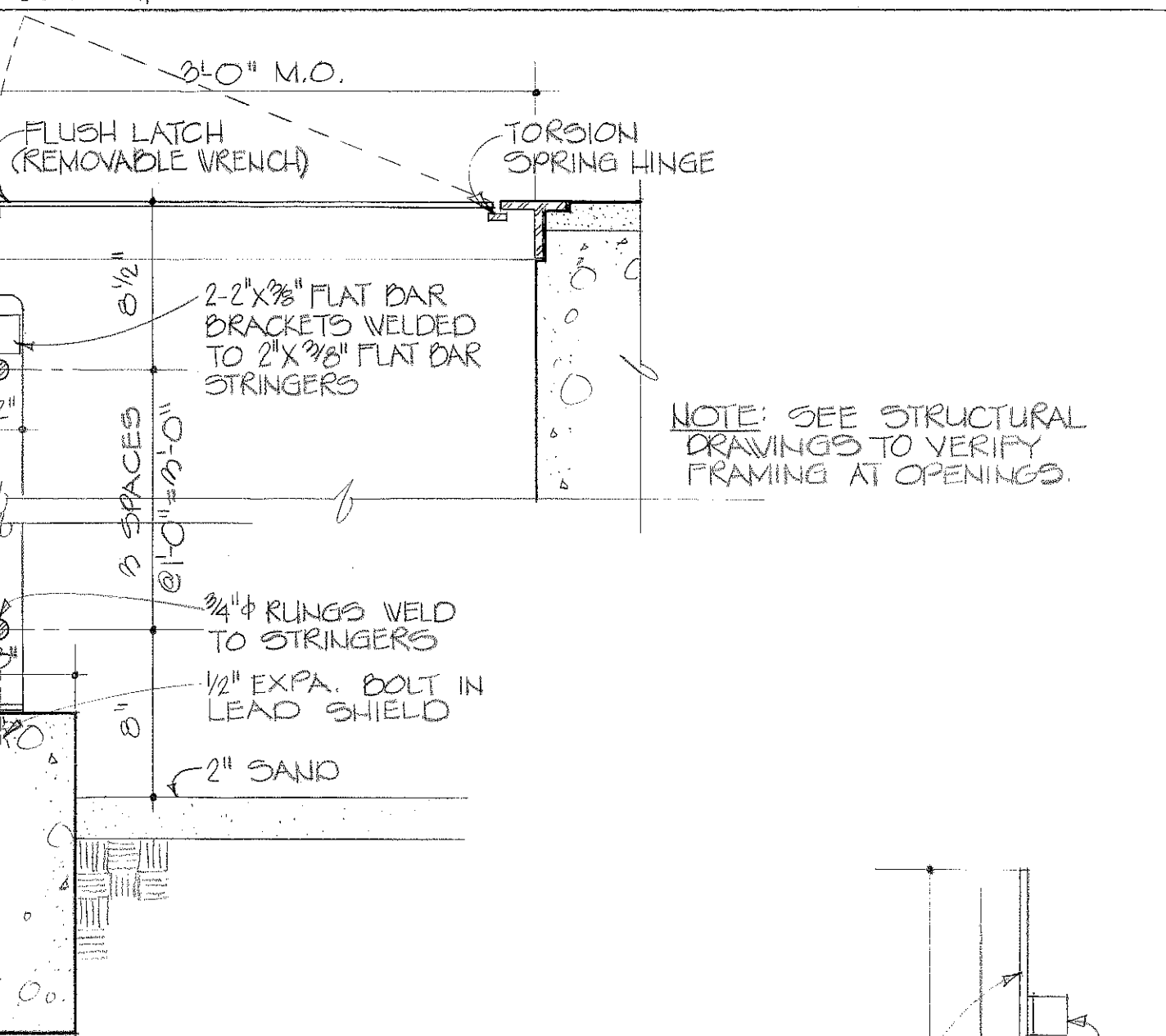
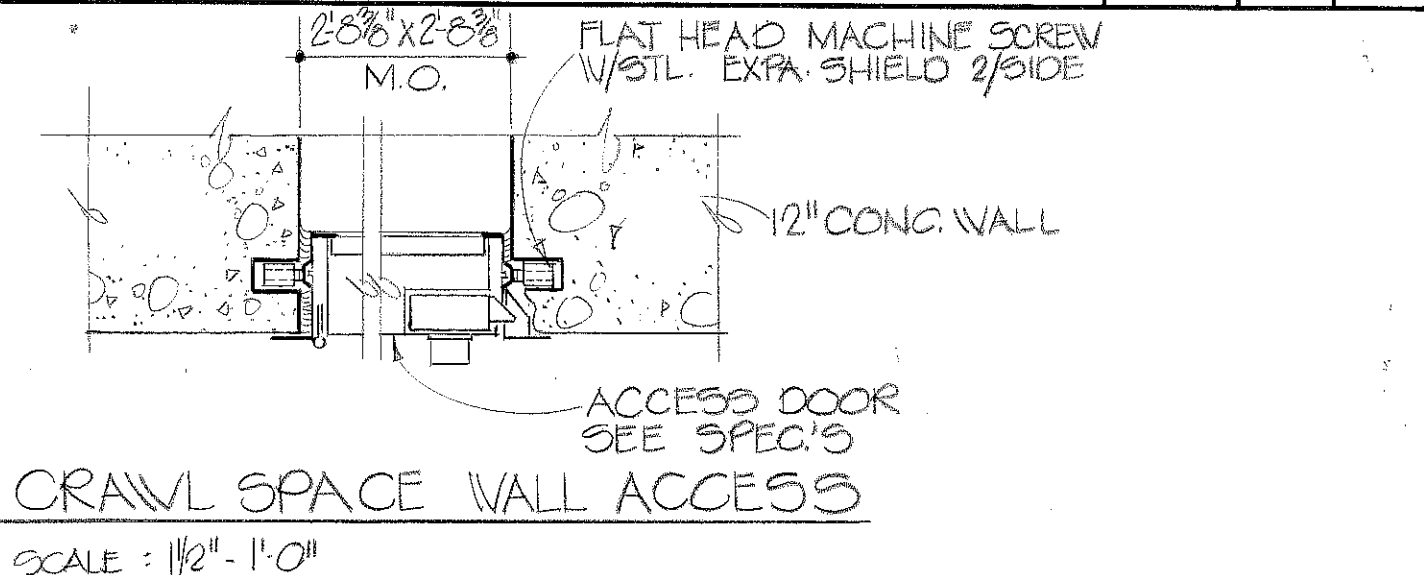
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	SCALE: AS SHOWN	DATE:	APRIL, '976	DRAWING NO. 32-02-03	SHEET 22



REVISIONS				
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2		REV. RESULT CORRECT DRAW. 7-1-72	1 MAY 80	415
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ABREU & ROBESON INCORPORATED ARCHITECTS AND ENGINEERS ATLANTA, GEORGIA		U. S. ARMY ENGINEER DISTRICT, MOBILE CORPS OF ENGINEERS MOBILE, ALA.			
U. S. ARMY HOSPITAL, FORT MCLELLAN, ALABAMA					
ARCHITECTURAL					
BASEMENT FLOOR PLAN - BLOCK D					
LIFE SAFETY	SH. REF. NO.	SPEC. NO.	SIZE	FILE NO.	PMC-2- 23
	A-7	DACA01	75-B-0057	DRAWING NO. 32-02-03	
		AS SHOWN		DATE:	APRIL, 1976

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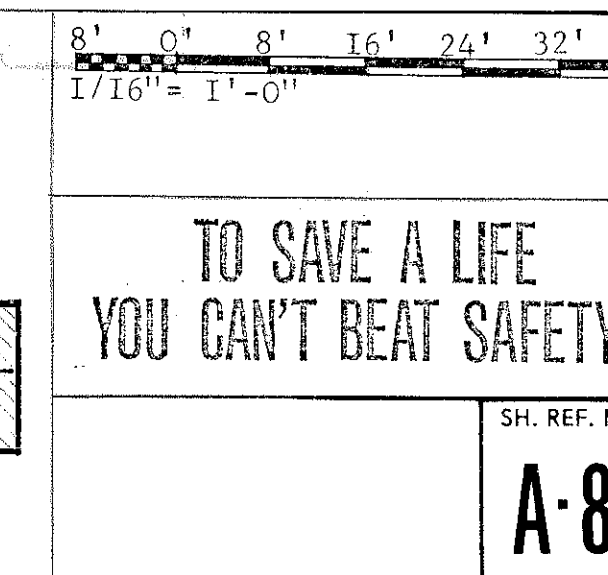
GENERAL NOTES

1. THIS DRAWING IS INTENDED AS A REFERENCE TO GIVE AN OVERALL PICTURE OF THE BUILDING'S FIRE PROTECTION WHICH INCLUDES PARTITIONS, DOORS, EXITS, SPRINKLED AREAS, FIRE HOSE CABINETS AND EXTINGUISHER LOCATIONS.
2. SEE APPROPRIATE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ALARM SYSTEMS, SMOKE DAMPERS AND DETECTORS, FIRE DAMPERS, SPRINKLERS AND ANY OTHER ITEMS PERTAINING TO THE FIRE PROTECTION SYSTEMS.
3. SEE SHEETS A-28 AND A-70 FOR PARTITION DETAILS
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5. STRUCTURAL SYSTEMS SHALL HAVE THE FOLLOWING MINIMUM RATING: COLUMNS, 3 HOURS; FLOORS, 2 HOURS AND ROOF, 2 HOURS.
6. WHERE TWO LAYERS OF GYPSUM BOARD ARE REQUIRED, THE CONTRACTOR SHALL VERIFY ANY OFFSET STUDS SO THAT ALL PARTITIONS AND WALLS ARE FLUSH. THE TWO LAYERS OF GYPSUM BOARD SHALL BE EXTENDED AS NECESSARY TO A PERIMETERICAL FINISH TO ELIMINATE ANY OFFSET IN THE GYPSUM BOARD FINISH.

EXIT UNIT CALCULATIONS

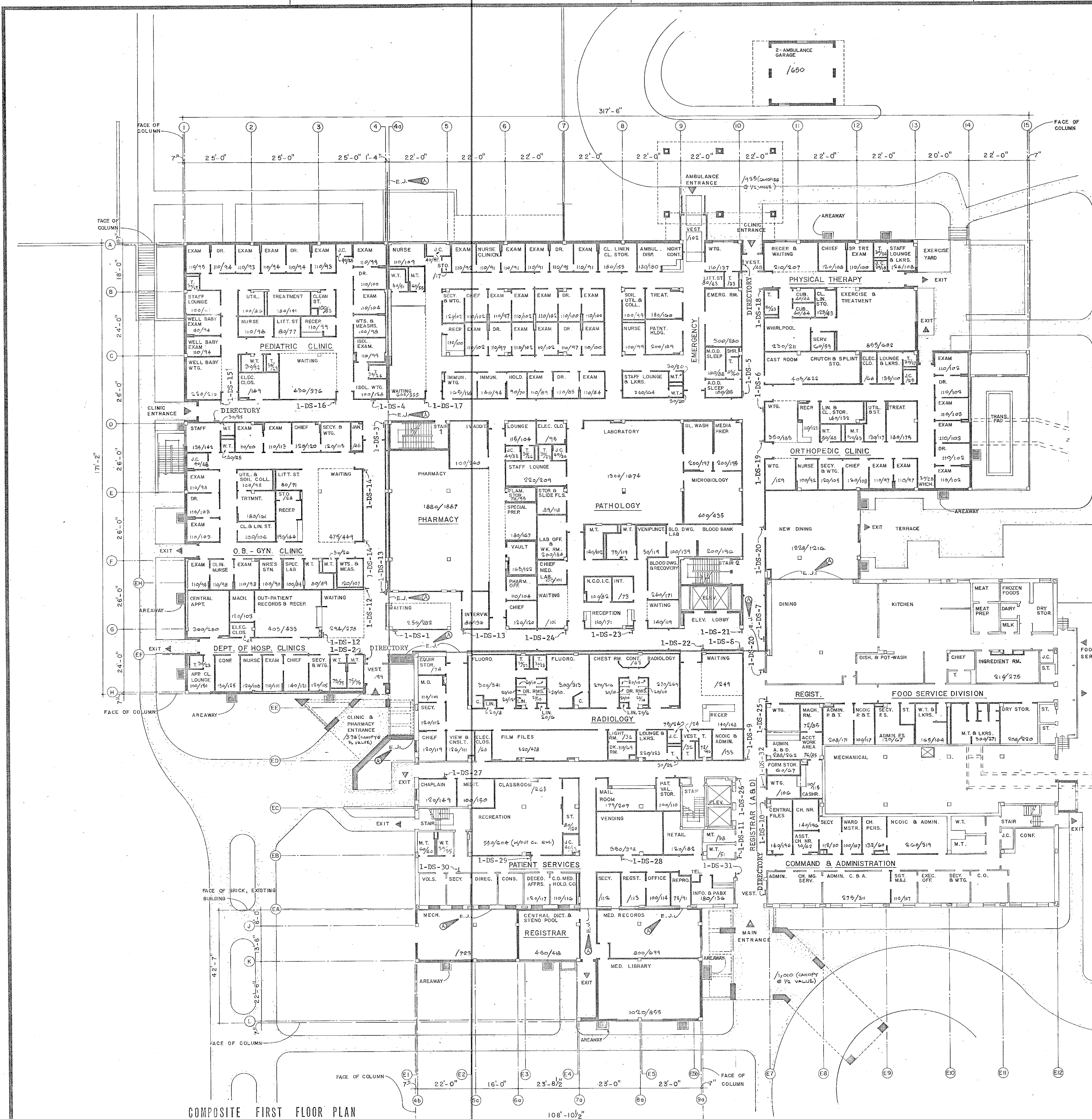
FIRST FLOOR AREA 73,281 SQ. FT.
 TOTAL UNITS OF EXIT WIDTH REQUIRED *
 73,281 SQ. FT. 305.34 (606 PERSONS)
 240 SQ. FT. PER PERSON 22 PERSONS PER UNIT = 13.9 UNITS
 NUMBER OF UNITS PROVIDED
 3-36" EXIT DOORS (2 1/2 UNITS) = 4 1/2 UNITS
 9-46" EXIT DOORS (2 UNITS) = 18
 1-64" STAIR DOOR (2 UNITS) = 2
 2-60" EXIT DOORS (2 1/2 UNITS) = 5
 1-72" EXIT DOOR (3 UNITS) = 3
 1-64" EXIT DOOR (3 1/2 UNITS) = 3 1/2
 TOTAL PROVIDED 36 UNITS

C



33

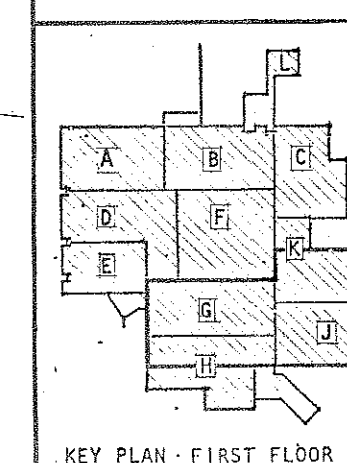
1



COMPOSITE FIRST FLOOR PLAN

COMPOSITE FLOOR PLANS FURNISHED
FOR INFORMATIONAL PURPOSES ONLY.
ROOM DESCRIPTIONS MAY NOT BE ACCURATE
IN ALL CASES.

TO SAVE A LIFE YOU CAN'T BEAT SAFETY



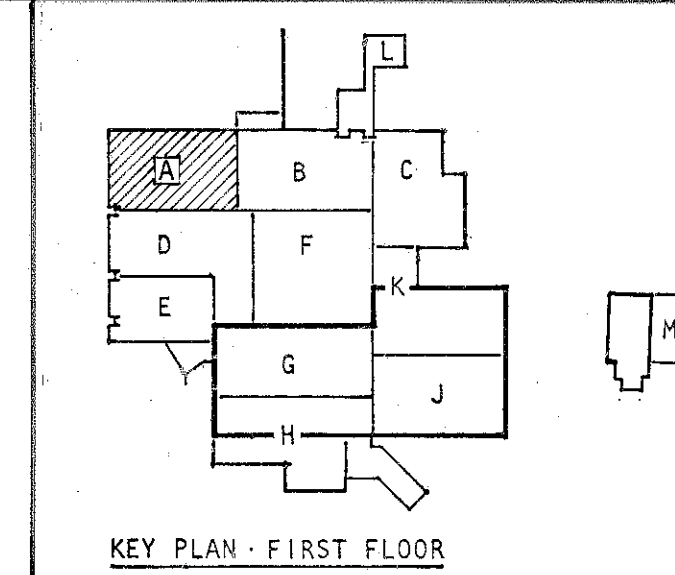
KEY PLAN - FIRST FLOOR

8'-0"	8'-0"	16'-0"	24'-0"	32'-0"	40'-0"
1/16" = 1'-0"					
BLOCK A - A-10	BLOCK B - A-11	BLOCK C - A-12	BLOCK D - A-13	BLOCK E - A-14	BLOCK F - A-15
BLOCK G - A-16	BLOCK H - A-17	BLOCK I - A-18	BLOCK J - A-19	BLOCK K - A-20	BLOCK L - A-21
BLOCK M - A-22	BLOCK N - A-23	BLOCK O - A-24	BLOCK P - A-25	BLOCK Q - A-26	BLOCK R - A-27

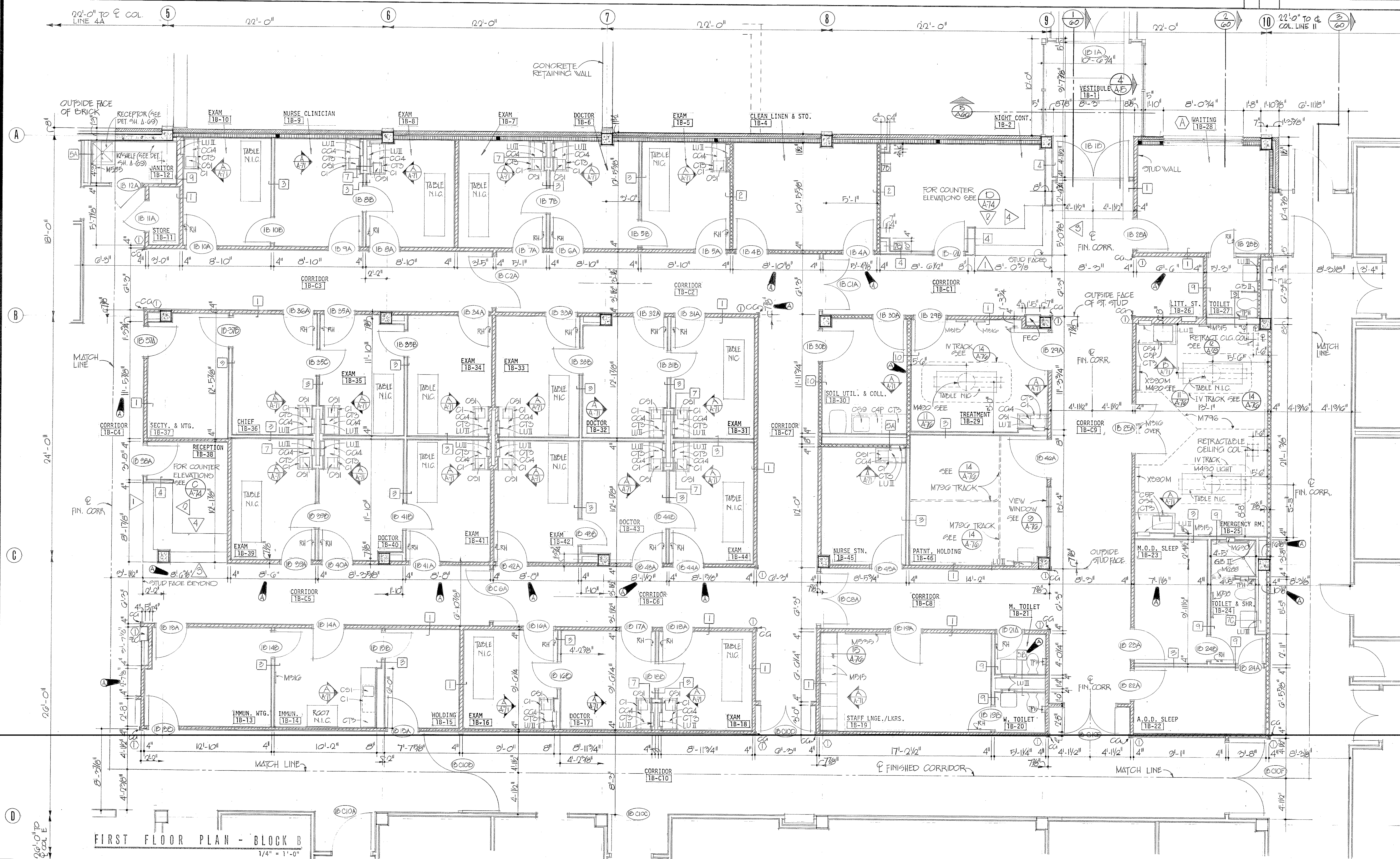
SH. REF. NO.
A-9

SUPPLEMENTAL TO PLAN 5151

AMIL-

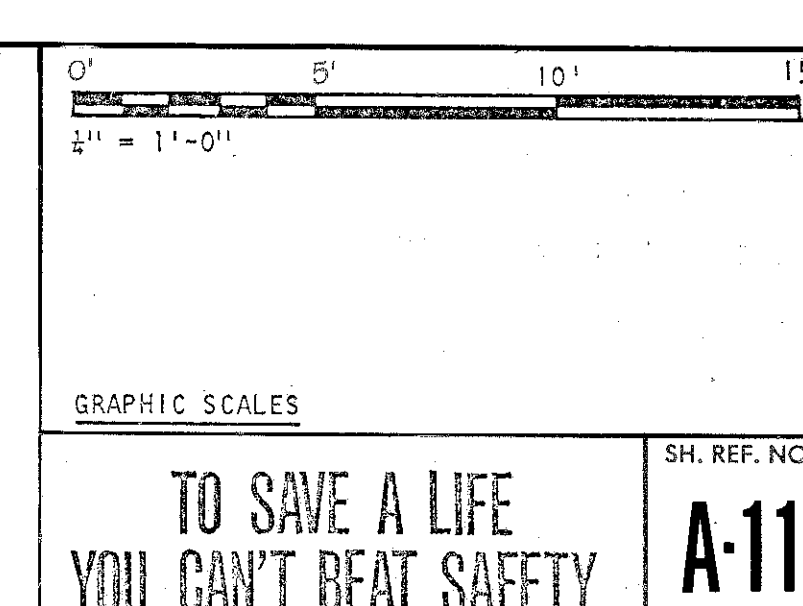
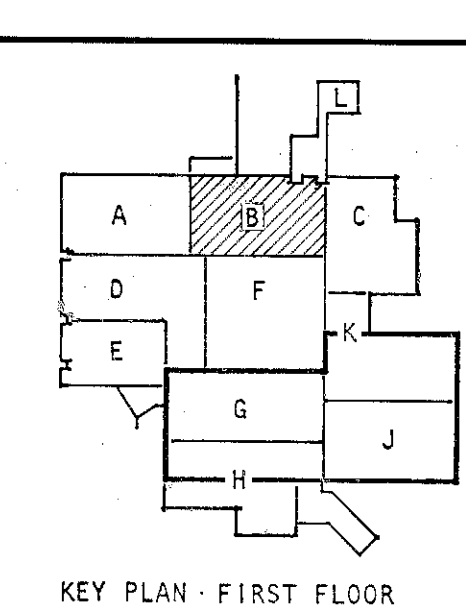
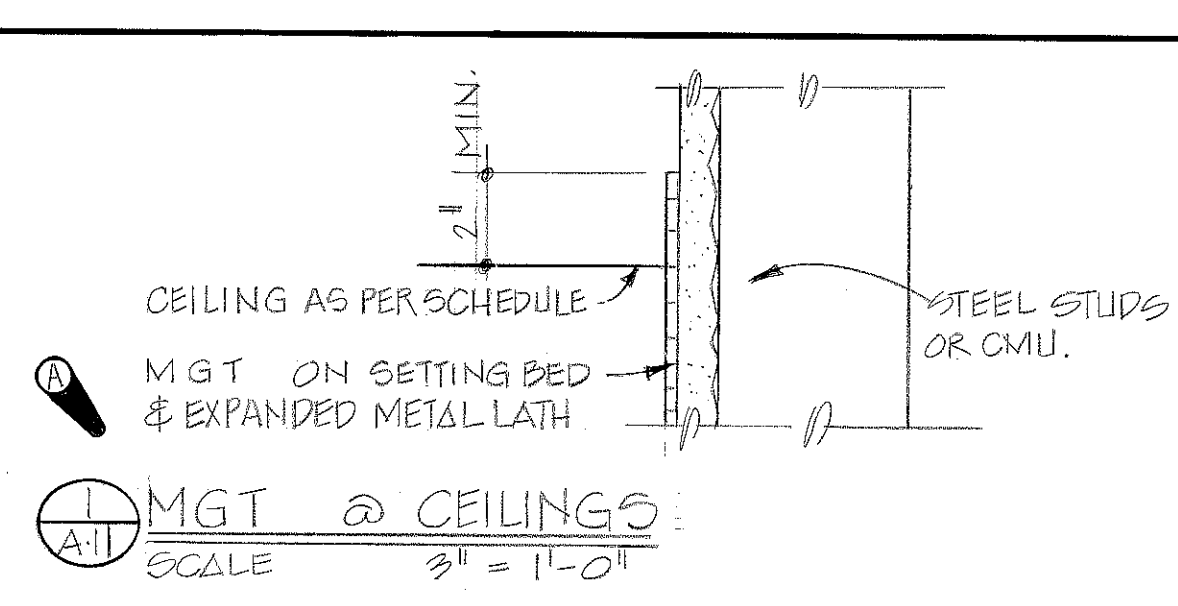
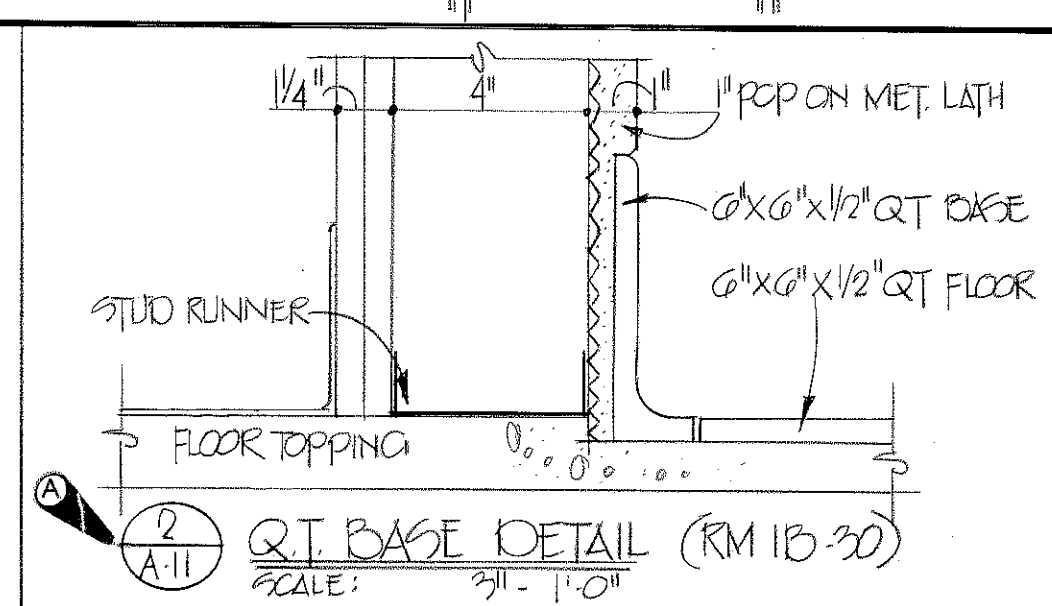


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2		FOR COUNTER ELEVATION SEE	MAY 22 1976	101
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4				
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10				



FIRST FLOOR PLAN - BLOCK B

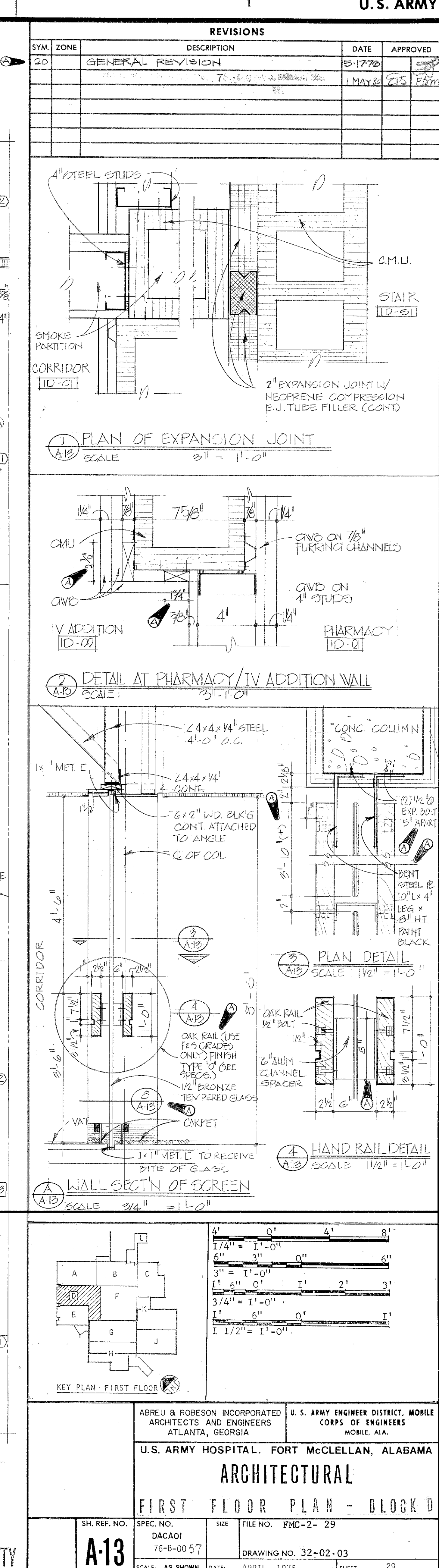
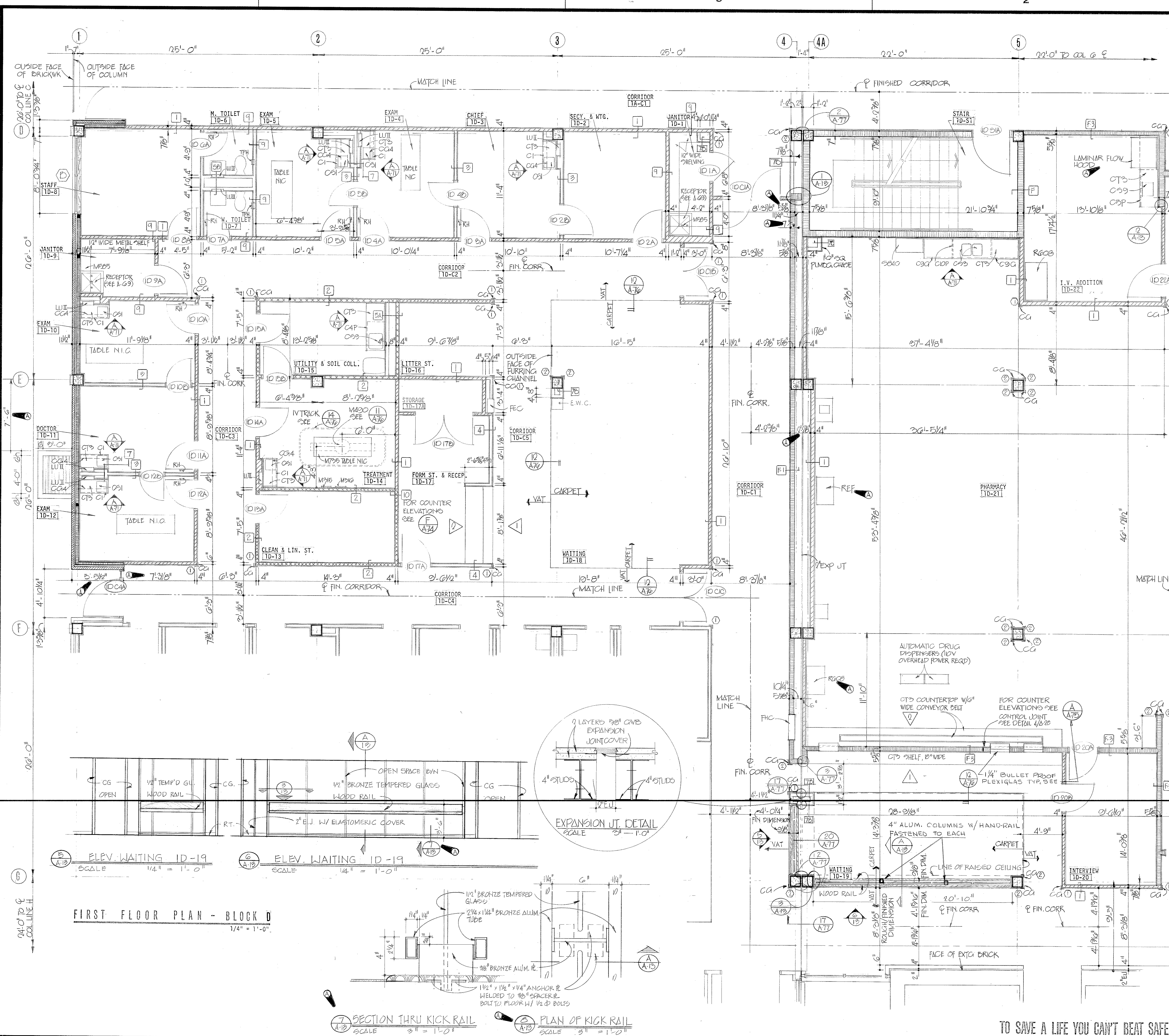
1/4" = 1'-0"

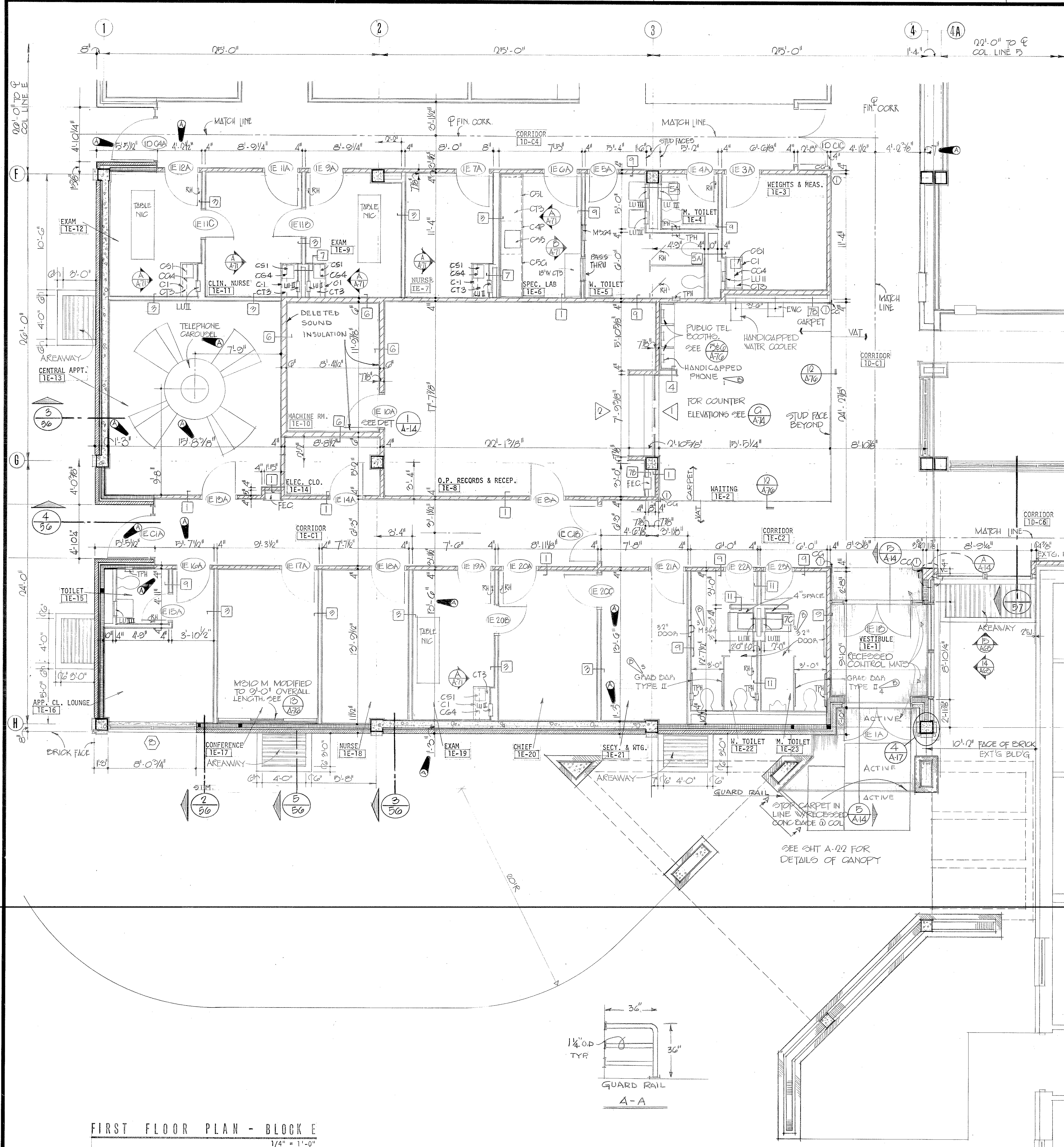
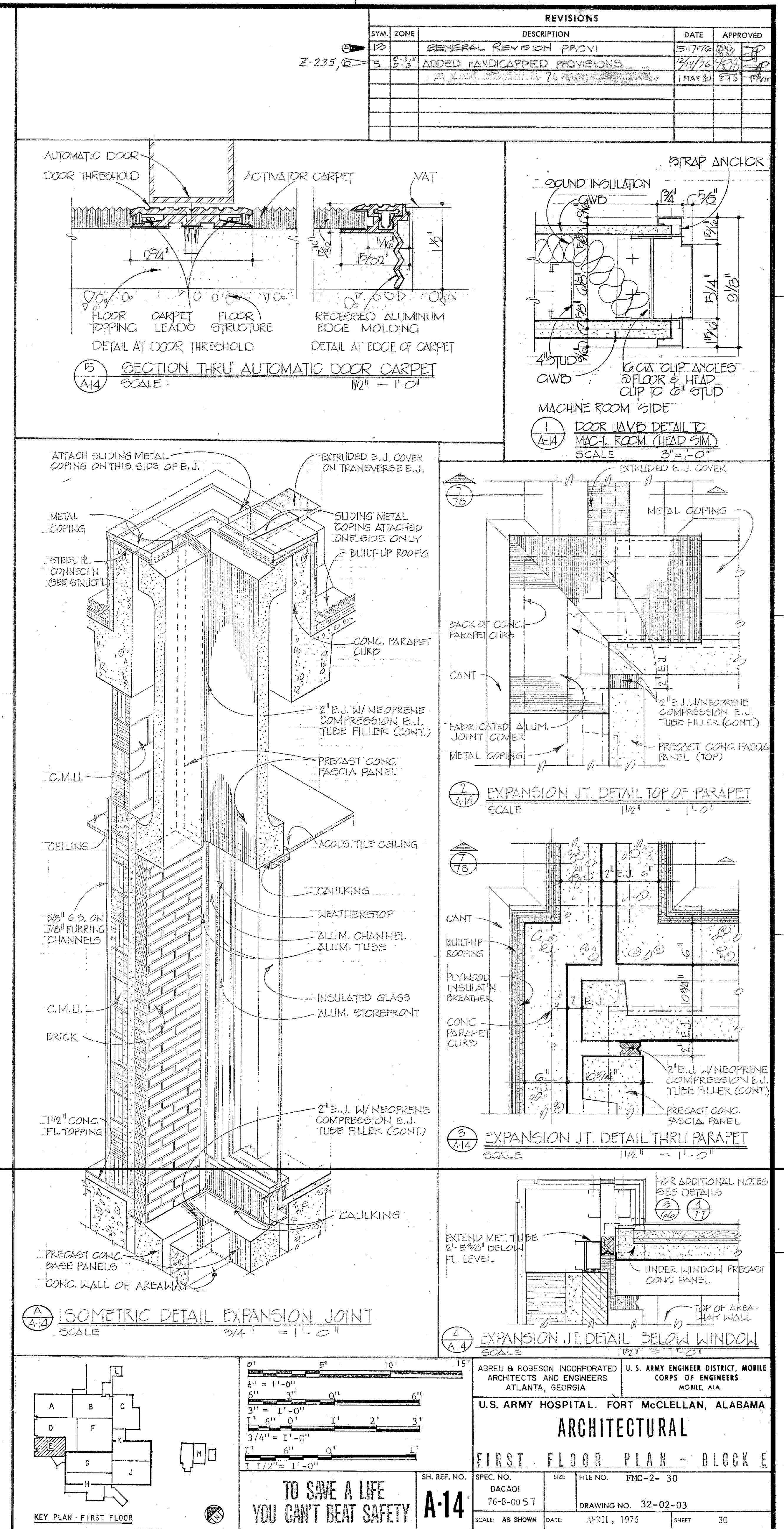


TO SAVE A LIFE YOU CAN'T BEAT SAFETY	ADRIAN ROBERTSON INCORPORATED ARCHITECTS AND ENGINEERS ATLANTA, GEORGIA		U. S. ARMY ENGINEER DISTRICT, MOBILE CORPS OF ENGINEERS MOBILE, ALA.	
	U.S. ARMY HOSPITAL - FORT MCLELLAN, ALABAMA ARCHITECTURAL FIRST FLOOR PLAN - BLOCK C			
A-12	SH. REF. NO. DAA601	SPEC. NO. 75-B-0057	SIZE 11 1/2" x 17"	FILE NO. FMC-2 - 28
	SCALE: AS SHOWN		DATE: APRIL, 1976	DRAWING NO. 32-02-03 SHEET 28

SH. REF. NO. A-12	SPEC. NO. DACA01 76-B-0057	SIZE	FILE NO. FMC-2- 28
	DRAWING NO. 32-02		
SCALE: AS SHOWN		DATE: APRIL, 1976	

FIRST FLOOR PLAN - BLOCK C
1/4" = 1'-0"



FIRST FLOOR PLAN - BLOCK E
1/4" = 1'-0"



ABREU & ROBESON INCORPORATED ARCHITECTS AND ENGINEERS ATLANTA, GEORGIA		U. S. ARMY ENGINEER DISTRICT, MOBILE CORPS OF ENGINEERS MOBILE, ALA.	
U. S. ARMY HOSPITAL, FORT MCLELLAN, ALABAMA			
ARCHITECTURAL			
FIRST FLOOR PLAN - BLOCK F			
SH. REF. NO. A-15	SPEC. NO. DACAQI 76-B-00 57	SIZE SCALE: AS SHOWN	FILE NO. FMC-2- 31 DRAWING NO. 32-02-03 (FOOTING, 3RD FLOOR)

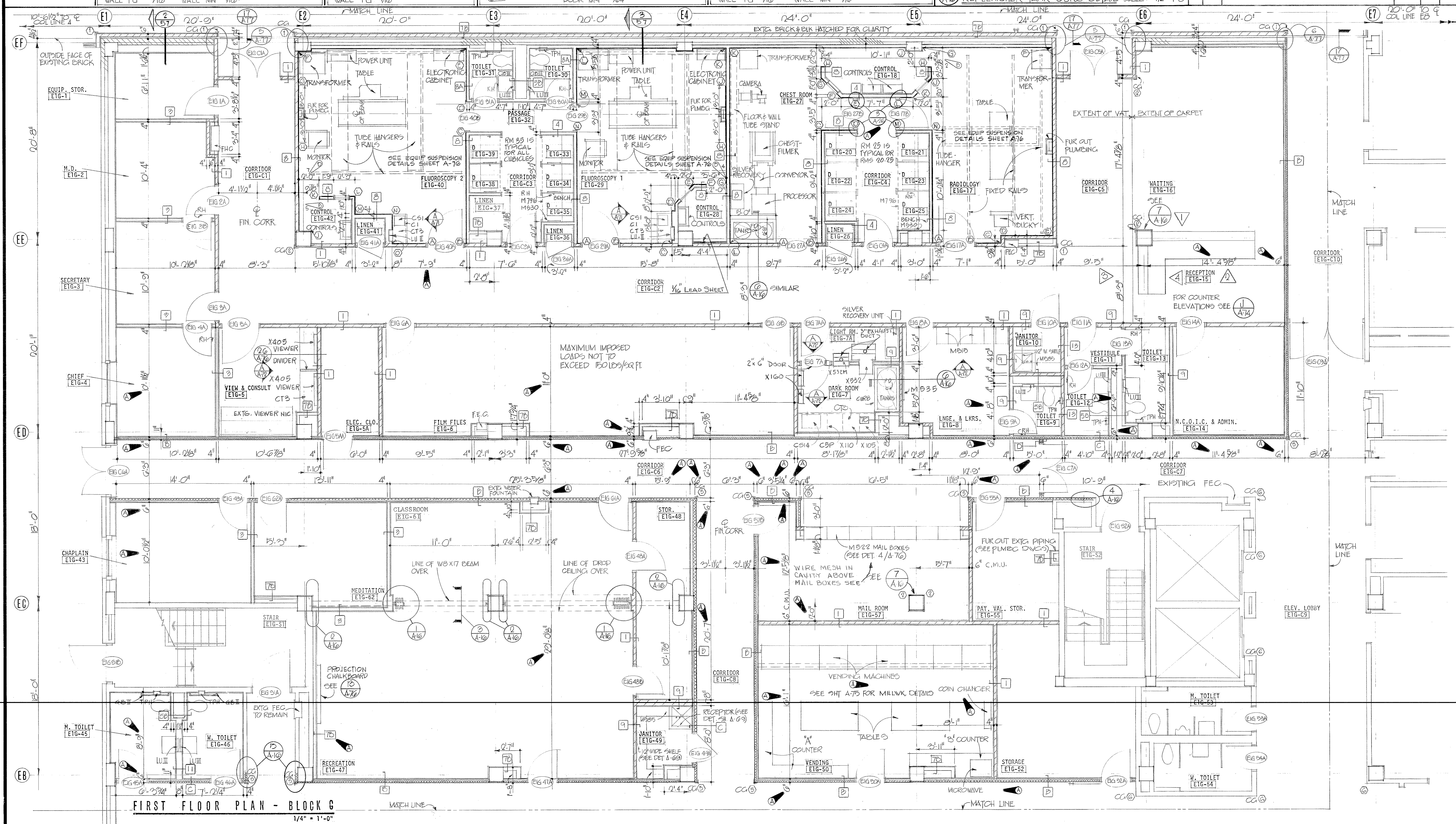
ROOM NUMBER	WALL SYMBOL	LEAD THICKNESS
NOTE: SHIELDING IN WALLS AND DOORS MUST EXTEND FROM THE FLOOR TO 7'-0" HIGH.		

FIG-17			
DOOR AB	5/104 ¹		WALL NA
WALL BC	9/102 ²	WALL HU	1/10 ¹
WALL CD	9/102 ²	WALL JK	1/10 ¹
WALL DE	9/104 ¹	WALL KL	1/10 ¹
WALL EF	9/104 ¹	DOOR LM	1/10 ¹
WALL FG	1/10 ¹	WALL NA	1/10 ¹

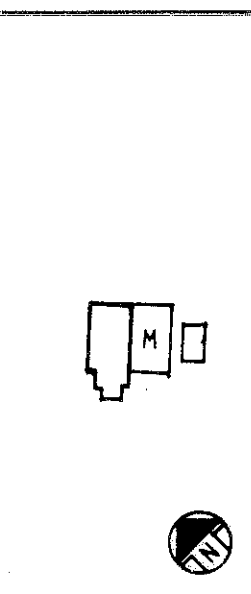
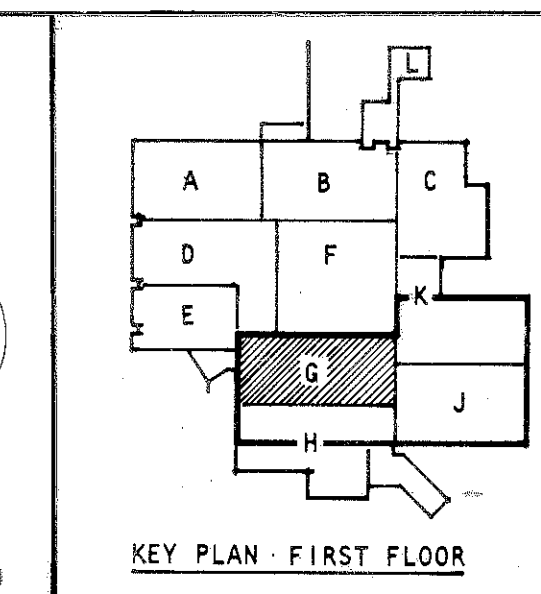
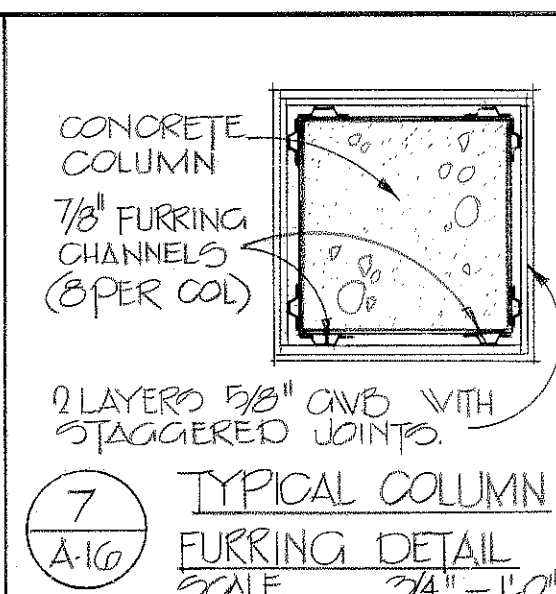
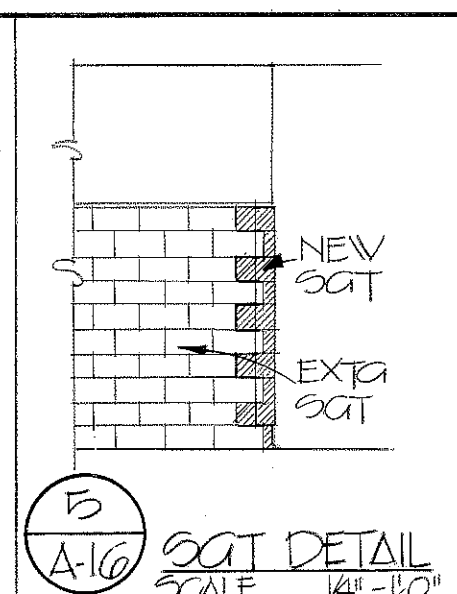
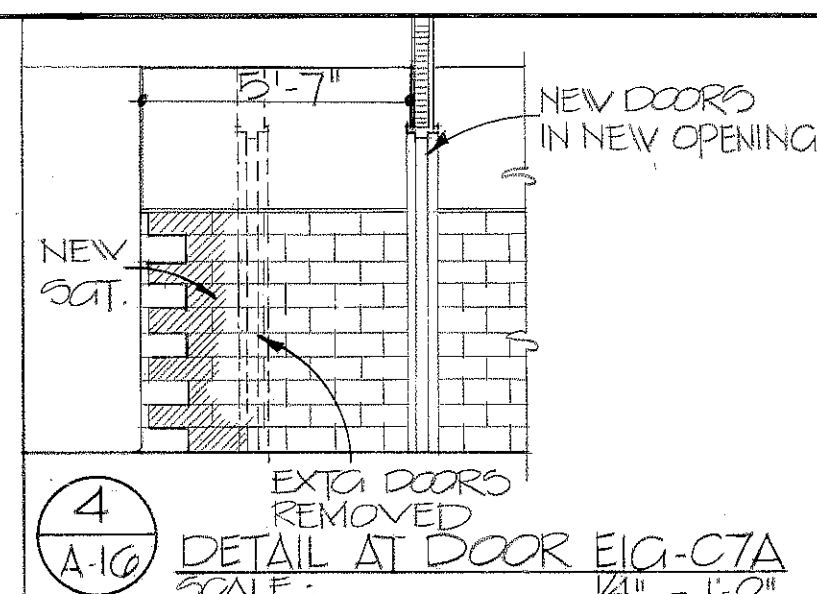
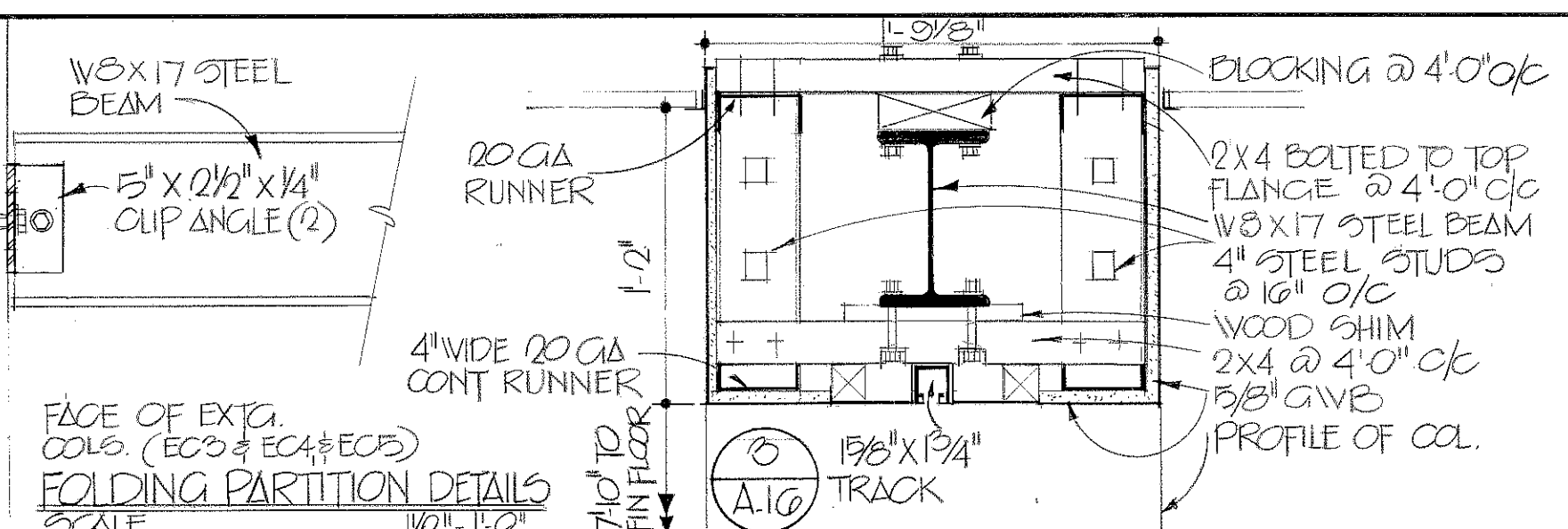
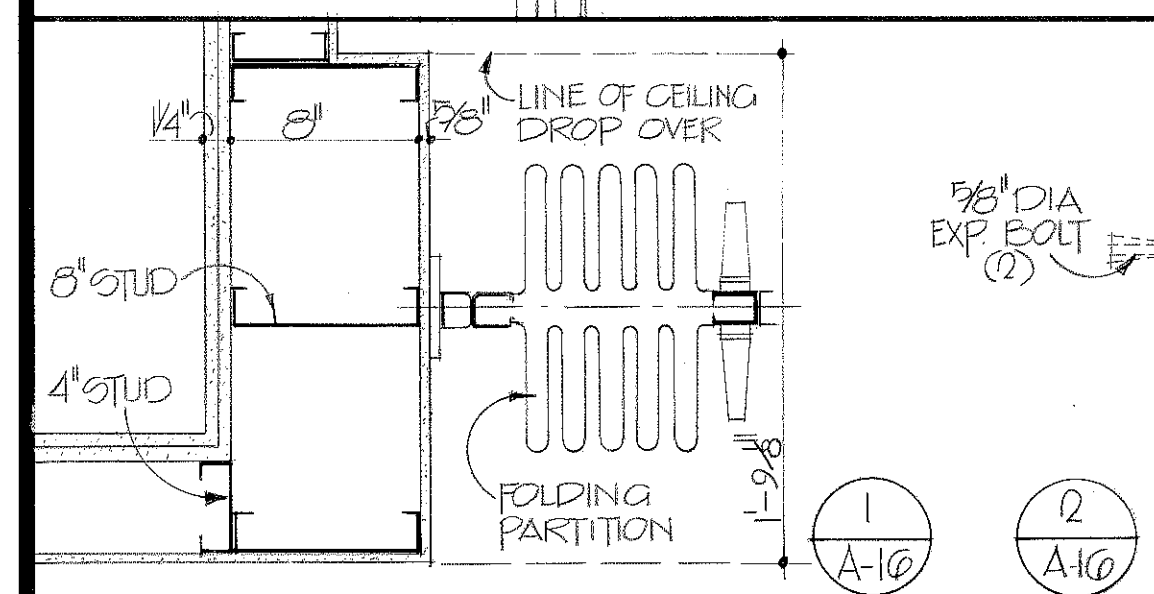
DOOR	AB	$1/16''$	WALL	GH	$1/16''$
WALL	BC	$1/16''$	WALL	JK	$1/16''$
WALL	CD	$1/16''$	WALL	KL	$1/16''$
DOOR	DE	$1/16''$	WALL	LA	$1/16''$
WALL	EF	$1/16''$			
WALL	FG	$1/16''$			

FIG-29			FIG-30		
DOOR	AD	1/16"	WALL	GH	1/16"
WALL	BD	1/16"	WALL	HJ	3/16"
WALL	CD	1/16"	WALL	JK	1/16"
WALL	DE	1/16"	WALL	KL	1/16"
WALL	EF	1/16"	WALL	LM	3/16"
WALL	FG	1/16"	WALL	NO	3/16"

EIG-40					
DOOR AD	1/16"	WALL GH	5/16"	WALL NO	1/16"
WALL BC	1/16"	WALL HJ	1/16"	WALL OA	1/16"
DOOR CD	1/16"	(E)			
WALL DE	1/16"	WALL KL	1/16"		
WALL EF	1/16"	WALL LM	1/16"		
WALL FG	1/16"	WALL NP	1/16"		

[illegible]

FIRST FLOOR PLAN - BLOCK G
1/4" = 1'-0"

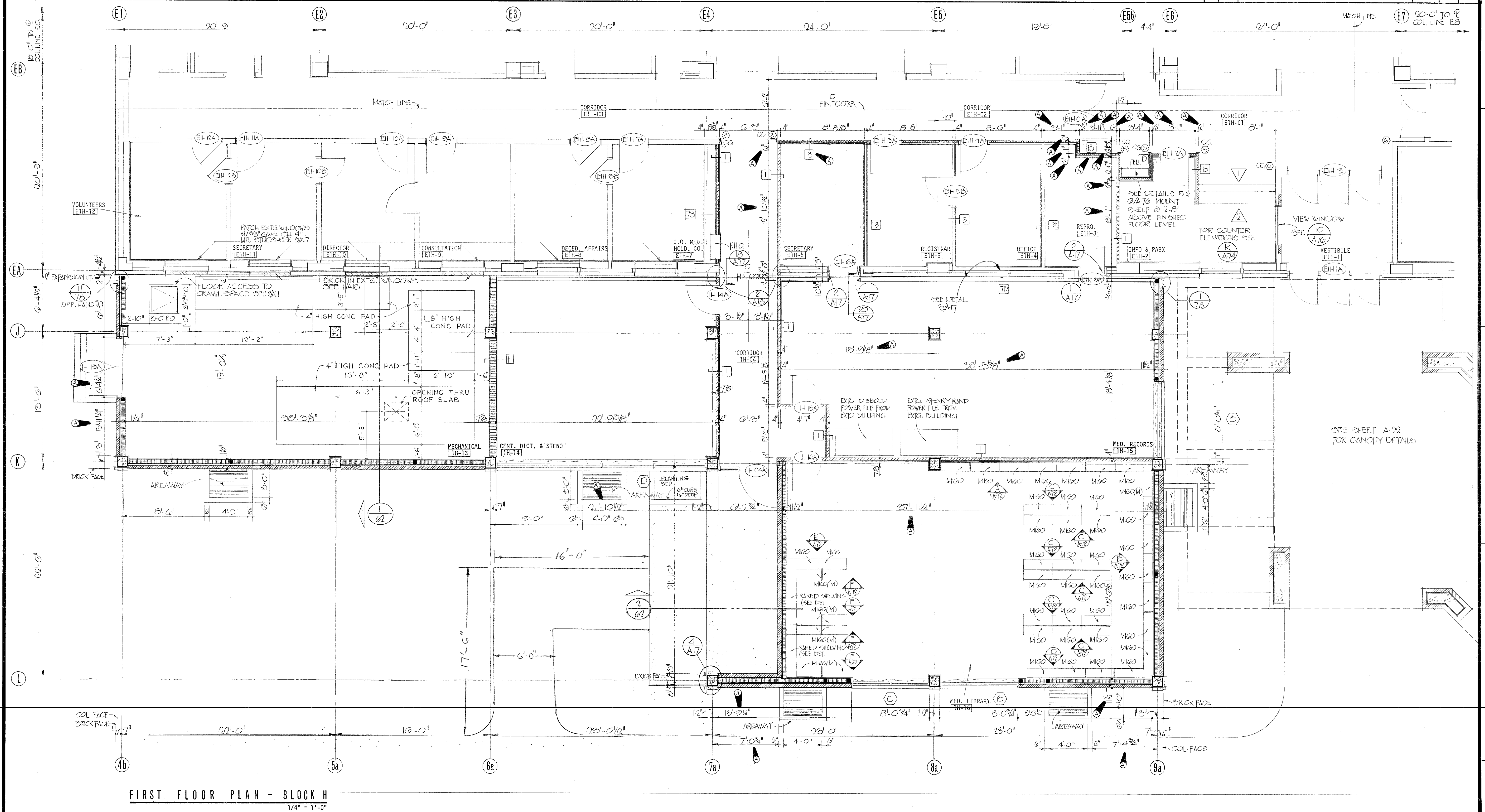


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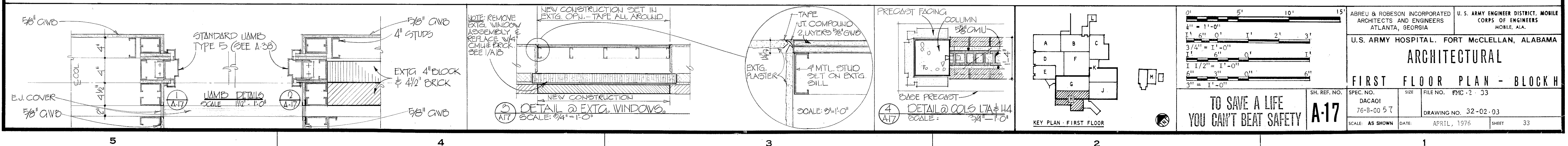
A-16

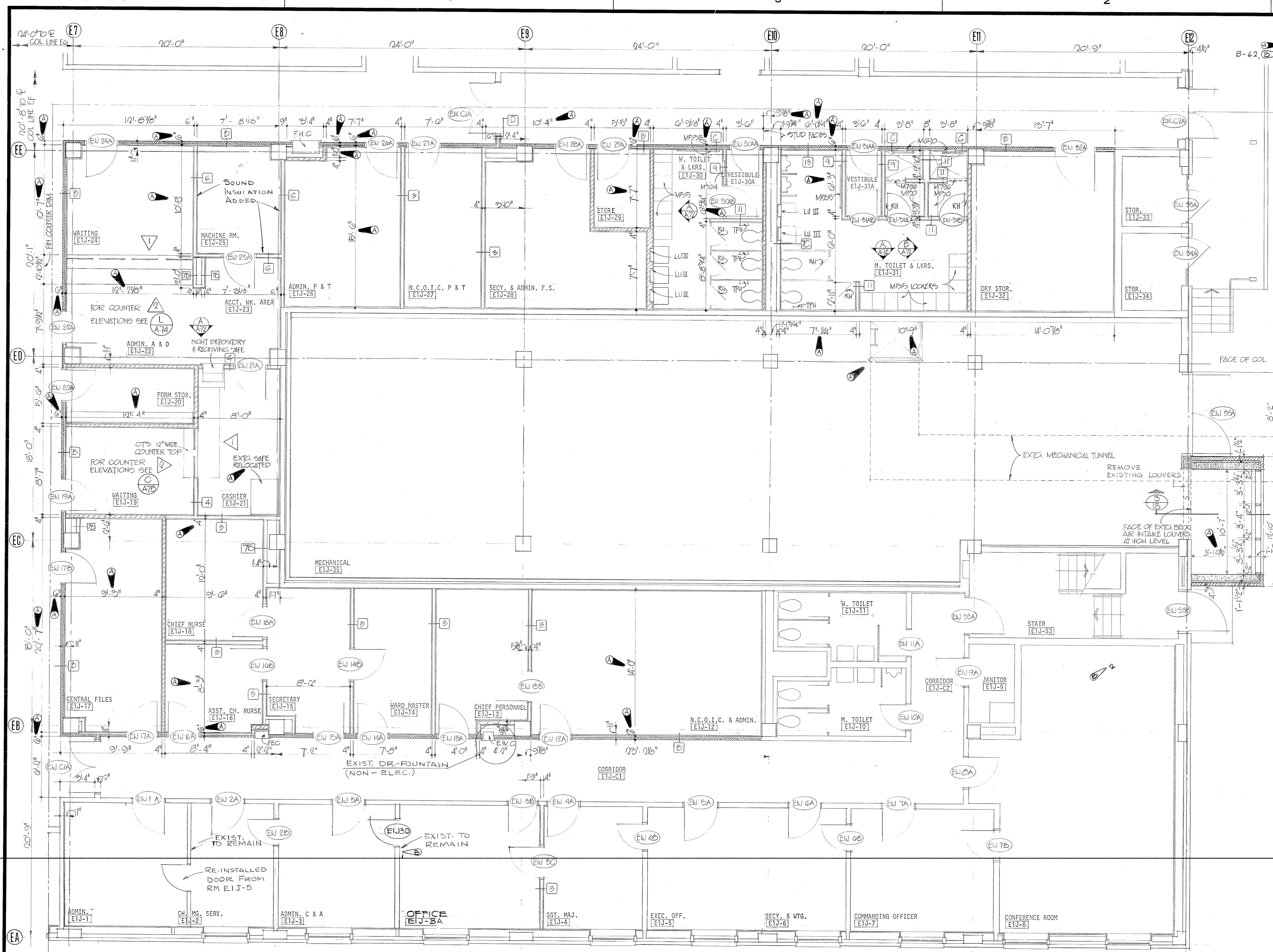
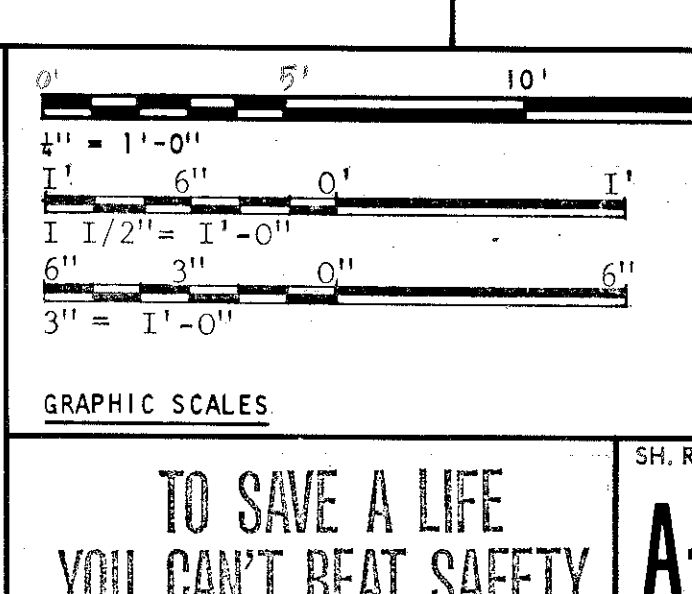
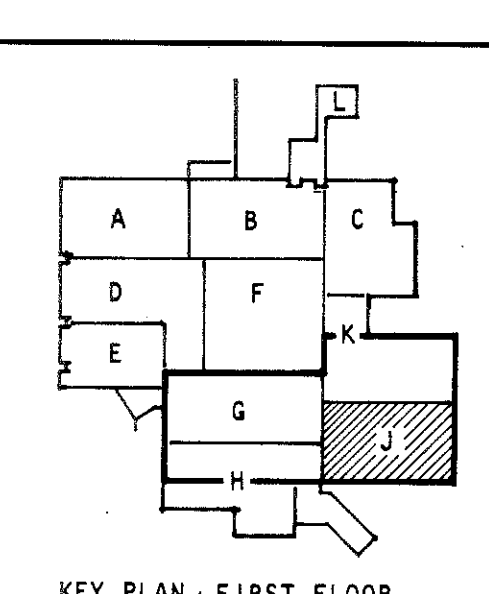
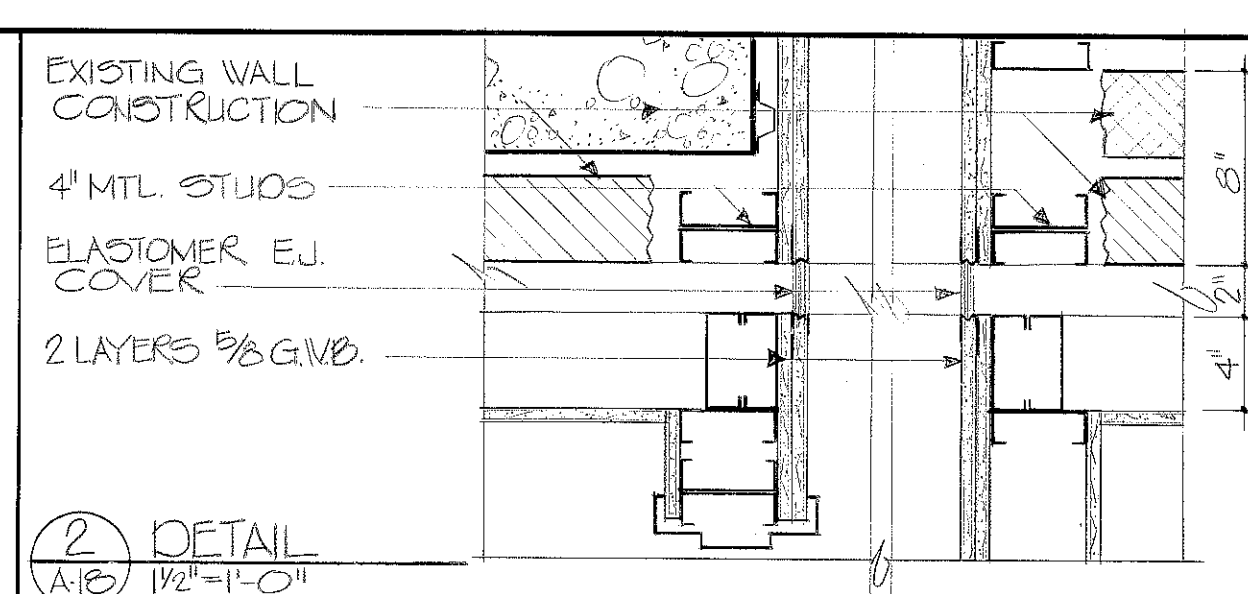
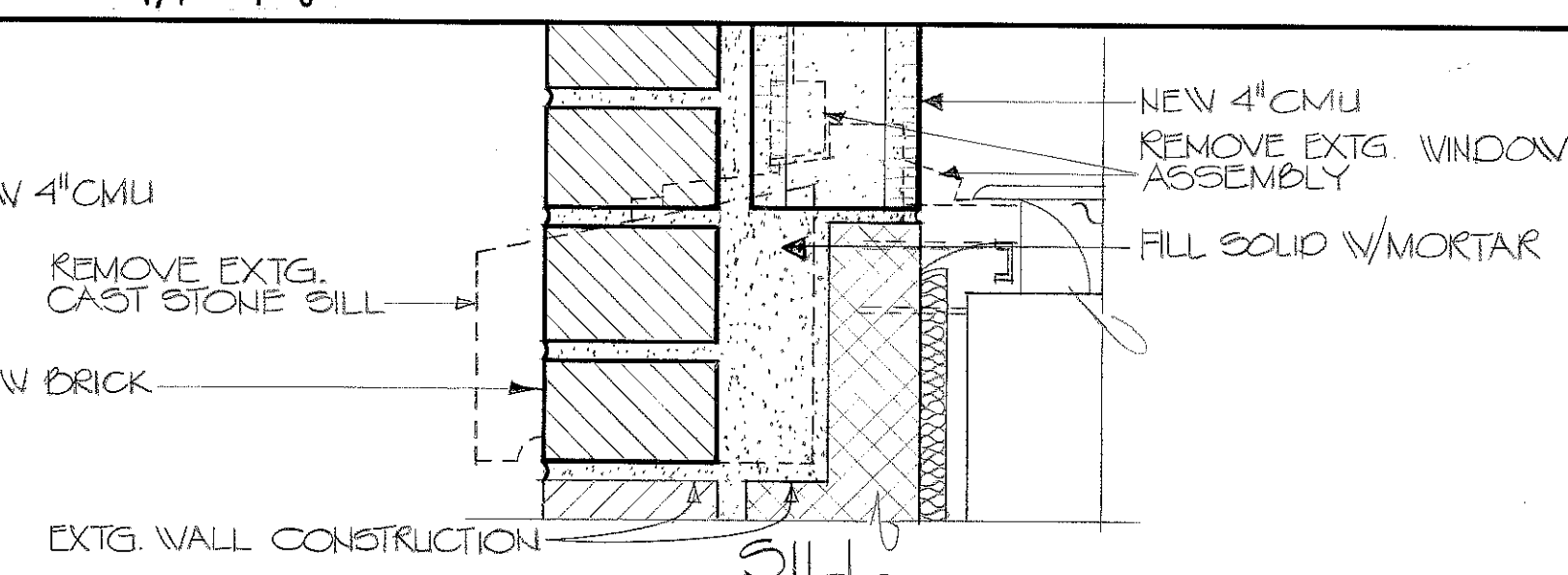
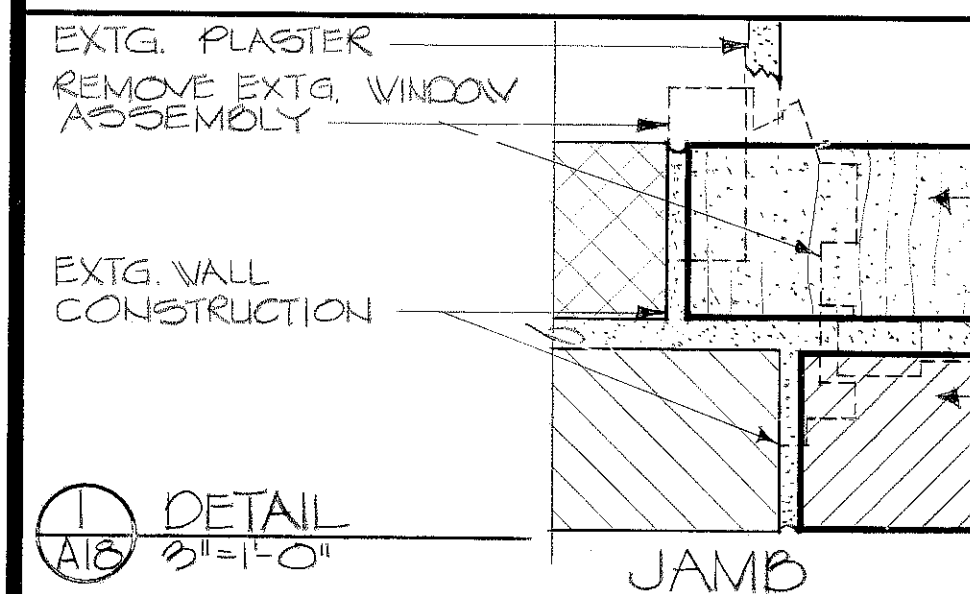
ABREU & ROBESON INCORPORATED ARCHITECTS & ENGINEERS ATLANTA, GEORGIA		U.S. ARMY ENGINEER DISTRICT, MOBILE CORPS OF ENGINEERS MOBILE, ALA.	
U.S. ARMY HOSPITAL. FORT MCCLELLAN, ALABAMA			
ARCHITECTURAL			
FIRST FLOOR PLAN - BLOCK			
SPEC. NO. DACA01 76-B-0057	SIZE	FILE NO. PMC-2- 32	
		DRAWING NO. 32-02-03	
SCALE: AS SHOWN	DATE: APRIL, 1976	SHEET	32

REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APPROVED
1		GENERAL REVISION	1-17-76	5/16
2		REV. TO CORRECT CONFLICTS: 76-00-00-00	1 MAY 80	5/16
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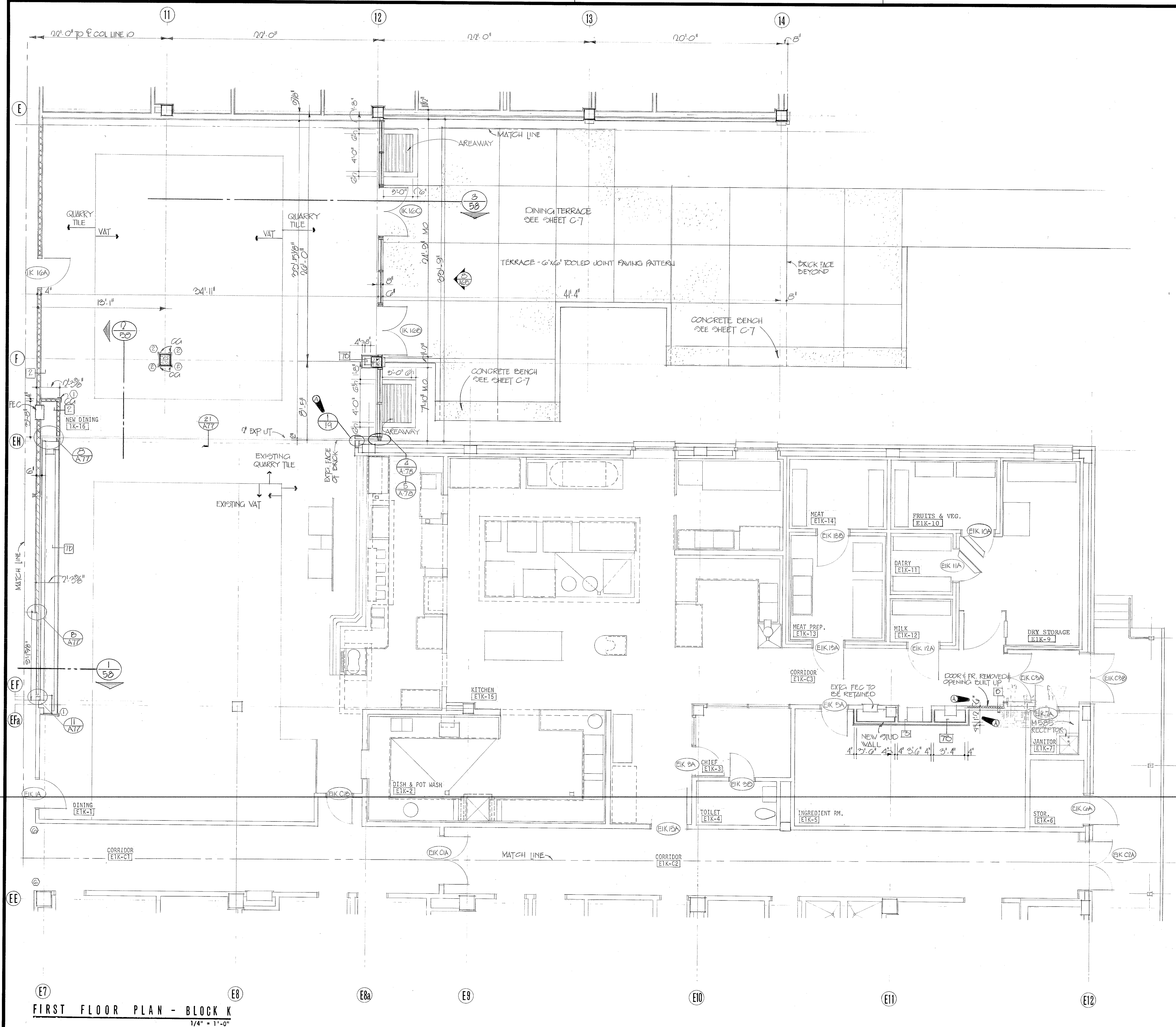


FIRST FLOOR PLAN - BLOCK H
1/4" = 1'-0"



FIRST FLOOR PLAN - BLOCK J
1/4" = 1'-0"

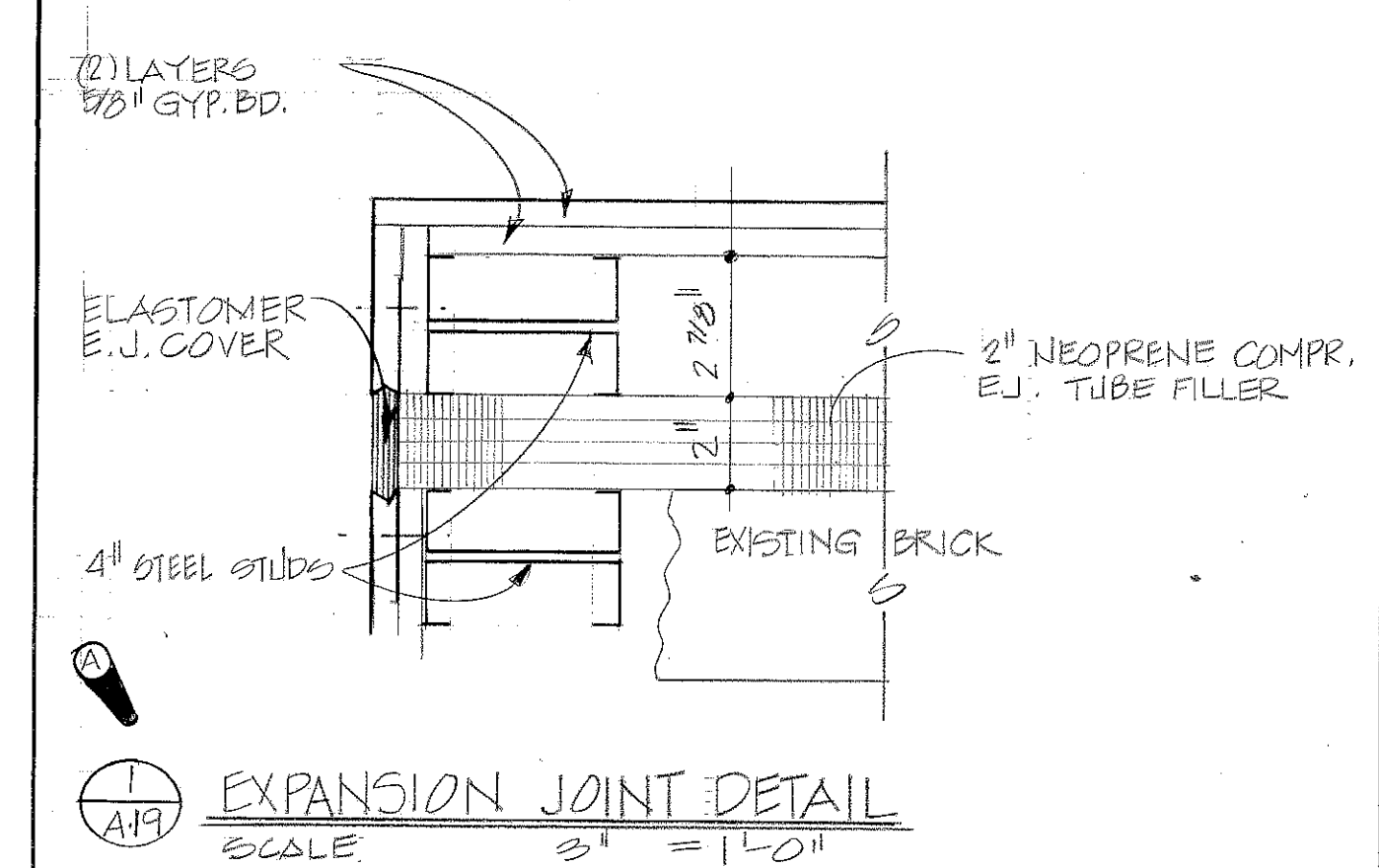
ABREU & ROBESON INCORPORATED ARCHITECTS AND ENGINEERS ATLANTA, GEORGIA		U.S. ARMY ENGINEER DISTRICT, MOBILE CORPS OF ENGINEERS MOBILE, ALA.	
U.S. ARMY HOSPITAL, FORT MCLELLAN, ALABAMA		ARCHITECTURAL	
FIRST FLOOR PLAN - BLOCK J		A-18	
SH. REF. NO. DACA01 75-8-00 57	SPEC. NO. 75-8-00 57	SIZE 11" x 17"	FILE NO. FNC-2-34
SCALE: AS SHOWN	DATE: APRIL, 1976	DRAWING NO. 32-02-03	
TO SAVE A LIFE YOU CAN'T BEAT SAFETY		SHEET 34	



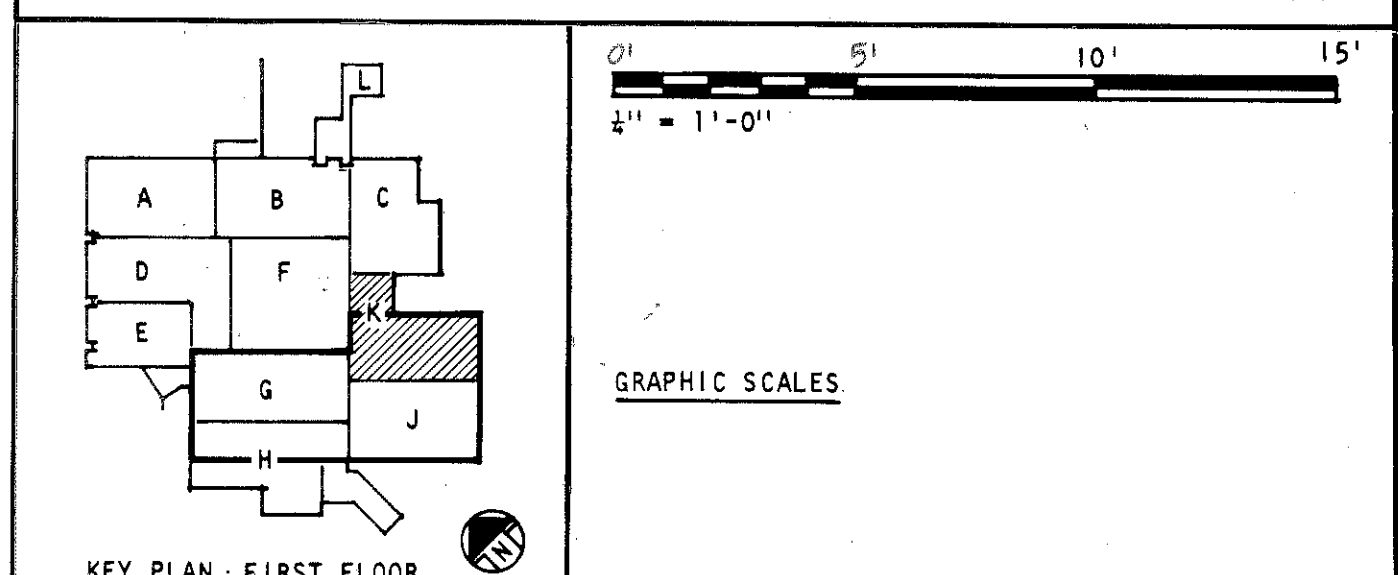
FIRST FLOOR PLAN - BLOCK K

1/4" = 1'-0"

REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APPROVED
4		GENERAL REVISION	5-17-76	SP
		REV. 2: 10' L. CORNER CORNER - 7' 6" x 7' 6" CORNER	1 MAY 80	ZIS

EXPANSION JOINT DETAIL
SCALE 3" = 1'-0"

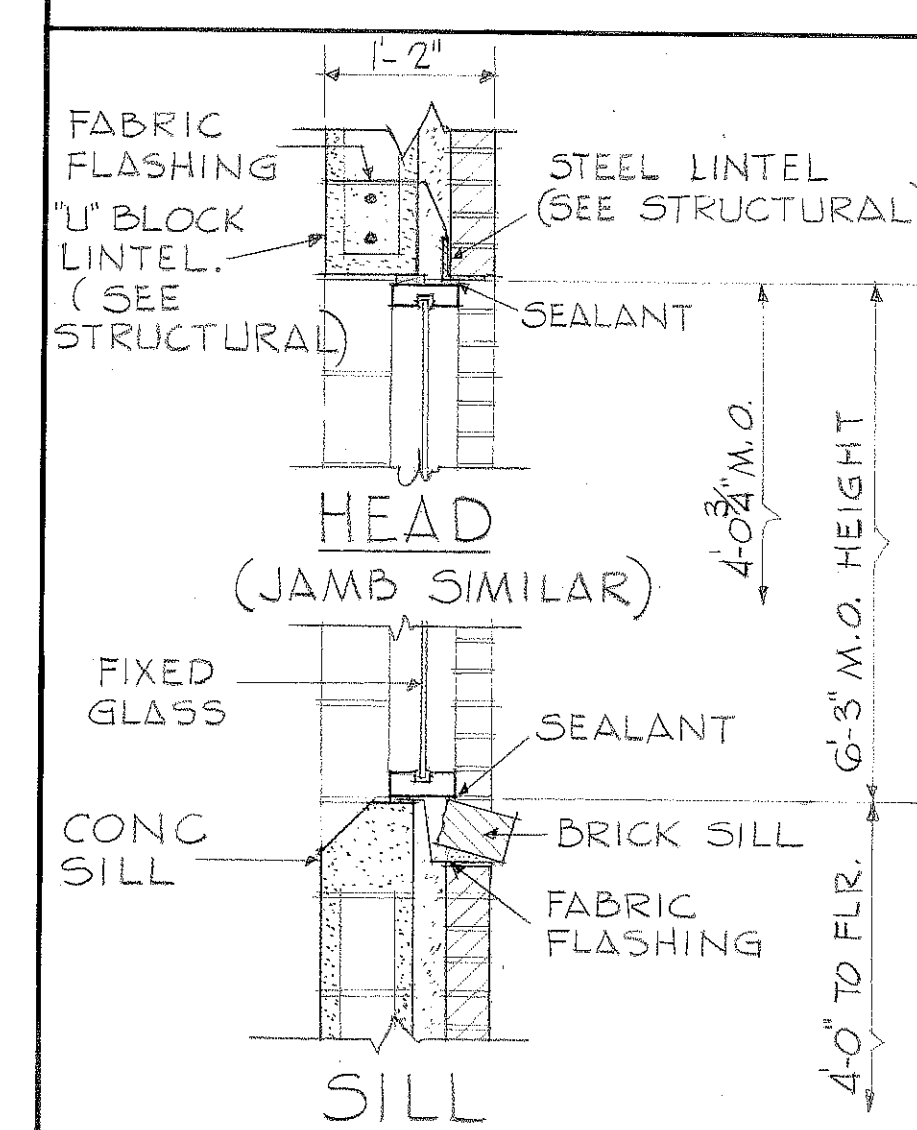
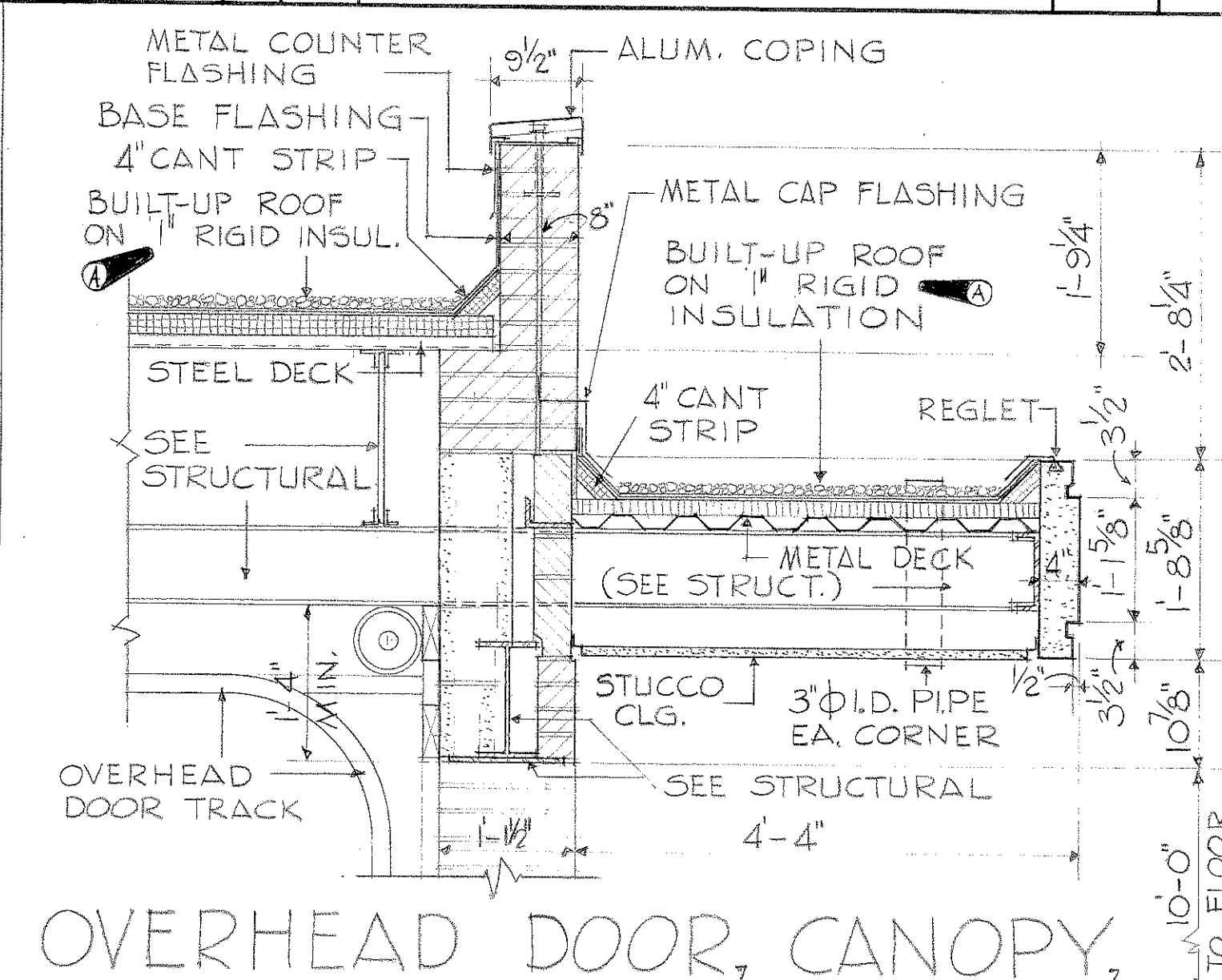
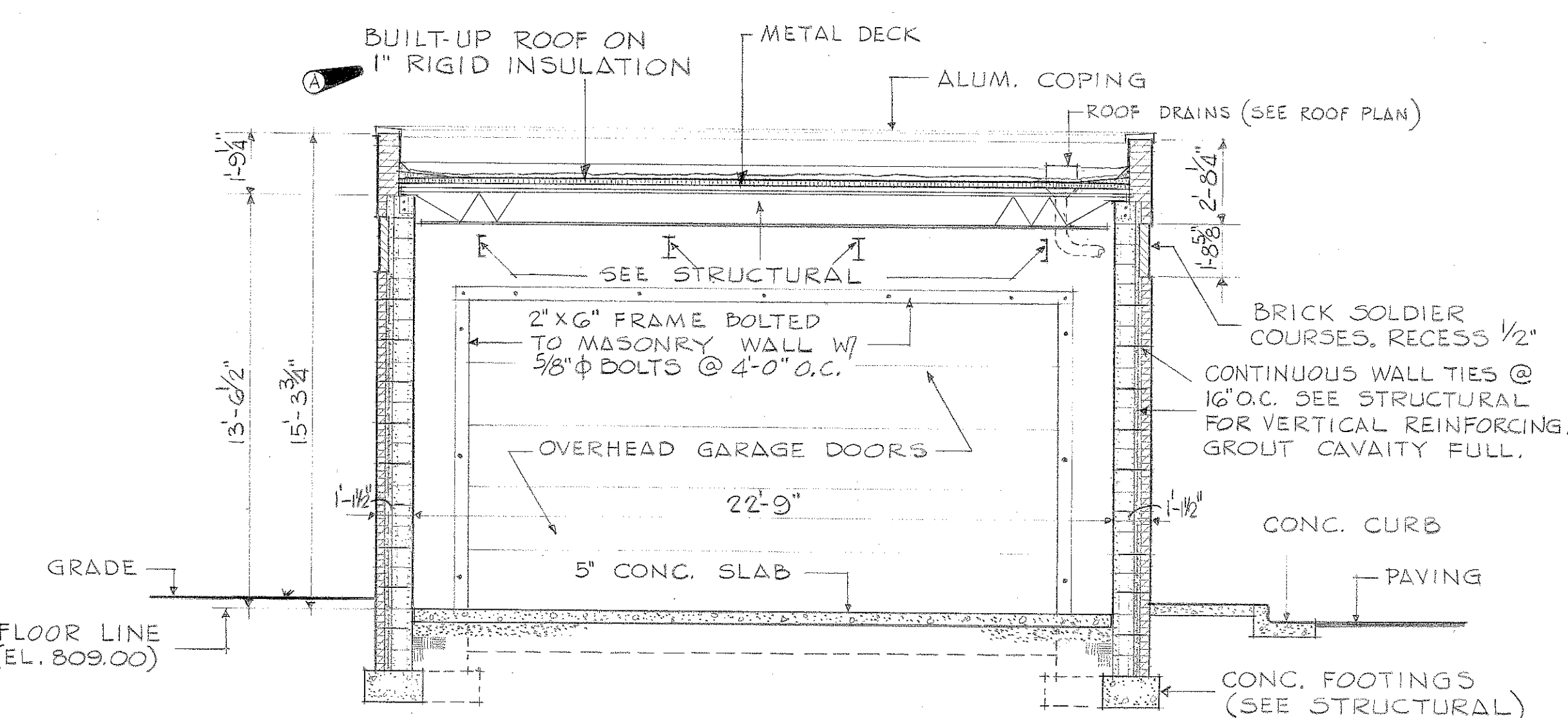
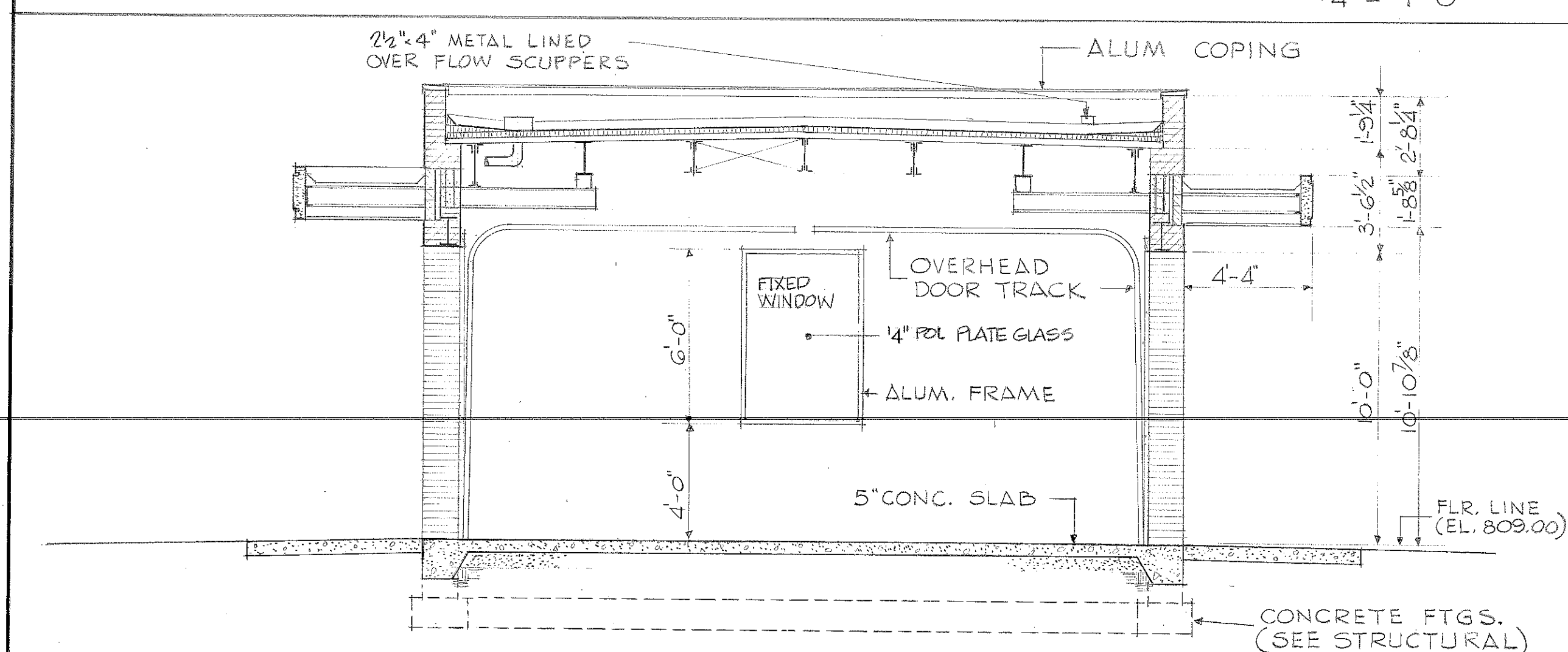
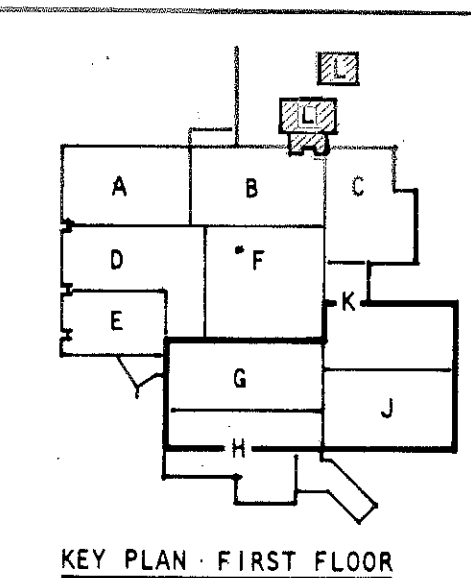
TO SAVE A LIFE YOU CAN'T BEAT SAFETY



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U.S. ARMY HOSPITAL, FORT MCLELLAN, ALABAMA			
ARCHITECTURAL			
FIRST FLOOR PLAN - BLOCK K			
SH. REF. NO. A-19	SPEC. NO. DACA01 76-B-0057	SIZE FILE NO. FMC-2-35	DRAWING NO. 32-02-03
SCALE: AS SHOWN		DATE: APRIL, 1976	SHEET 35

AMENDMENT NO. 0001

REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APPROVED
10		GENERAL REVISION	5-17-72	807
		REVISION 76-C-0057	MAY 20 1972	807

WINDOW DETAIL
3/4" = 1'-0"OVERHEAD DOOR, CANOPY,
AND PARAPET DETAIL
3/4" = 1'-0"TRANSVERSE SECT., GARAGE 1L-1
1/4" = 1'-0"LONGITUDINAL SECT., GARAGE 1L-1
1/4" = 1'-0"

KEY PLAN - FIRST FLOOR

TO SAVE A LIFE
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A-20

ABREU & ROBESON INCORPORATED
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ATLANTA, GEORGIA

U.S. ARMY ENGINEER DISTRICT, MOBILE
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U.S. ARMY HOSPITAL, FORT MCLELLAN, ALABAMA

ARCHITECTURAL

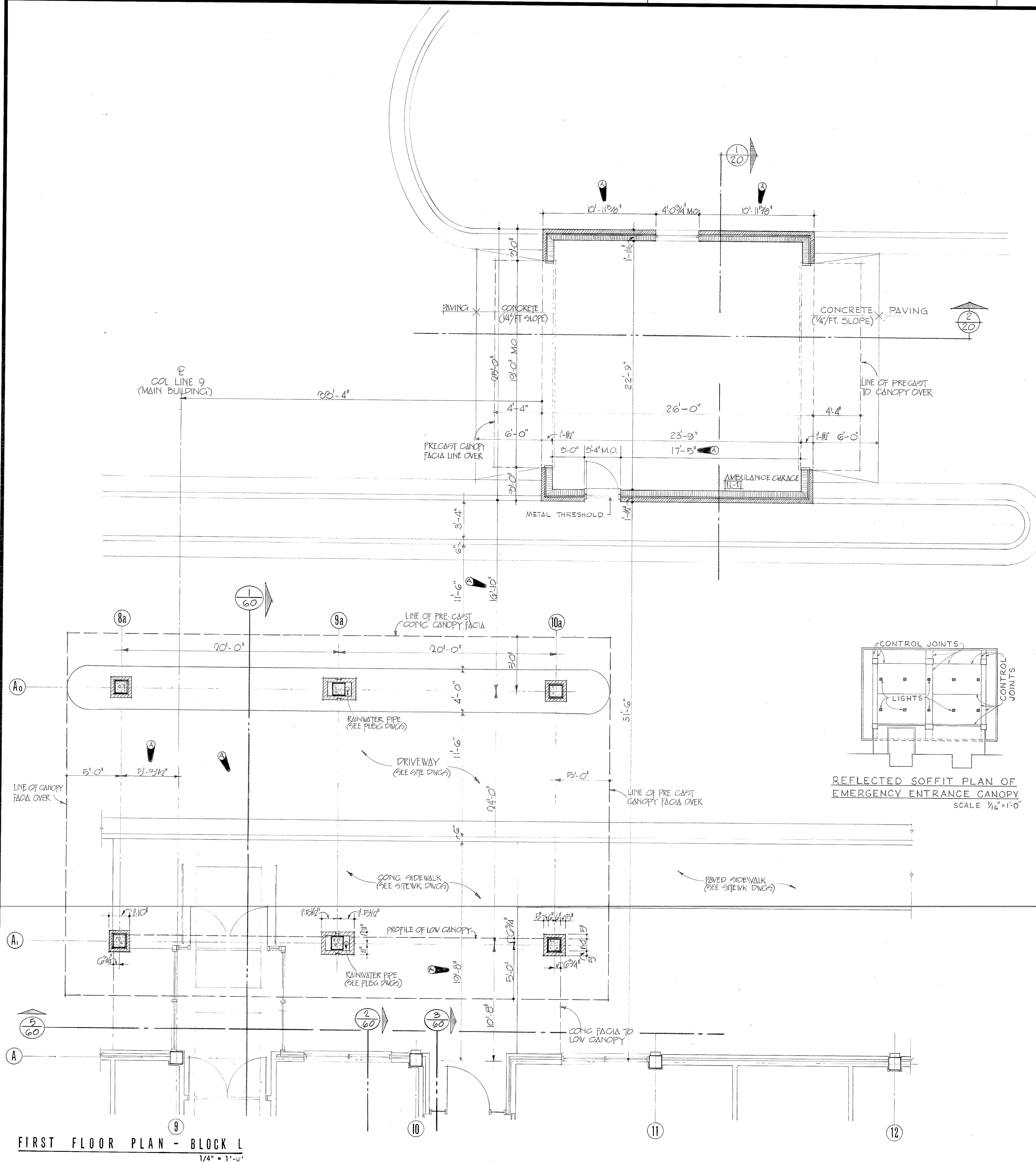
FIRST FLOOR PLAN - BLOCK L

SPEC. NO. DCA001
76-B-0057

SH. REF. NO. FILE NO. PYC-2-36

DRAWING NO. 32-02-03

SCALE: AS SHOWN DATE: APRIL 1976 SHEET: 30

FIRST FLOOR PLAN - BLOCK L
1/4" = 1'-0"

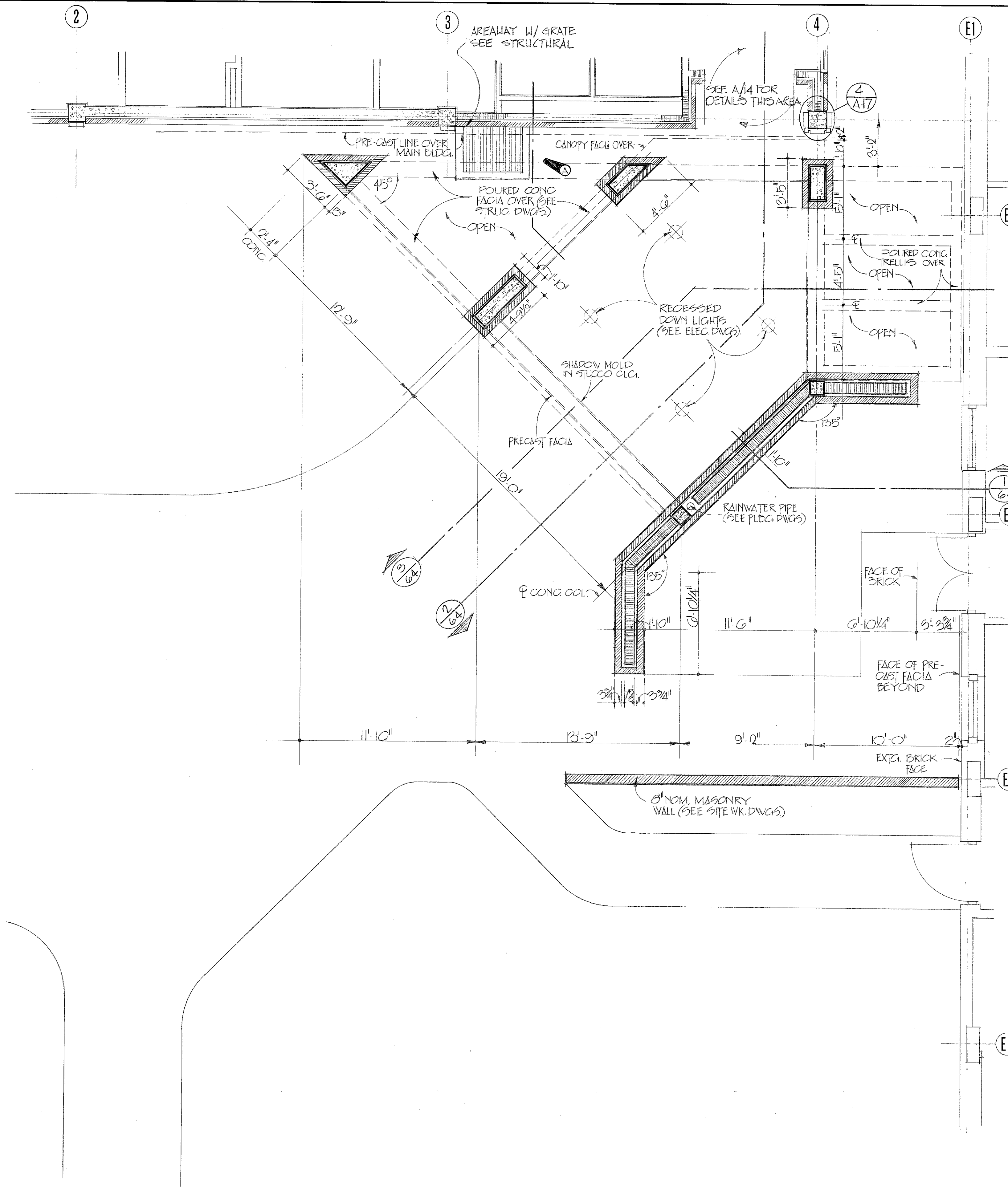
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E

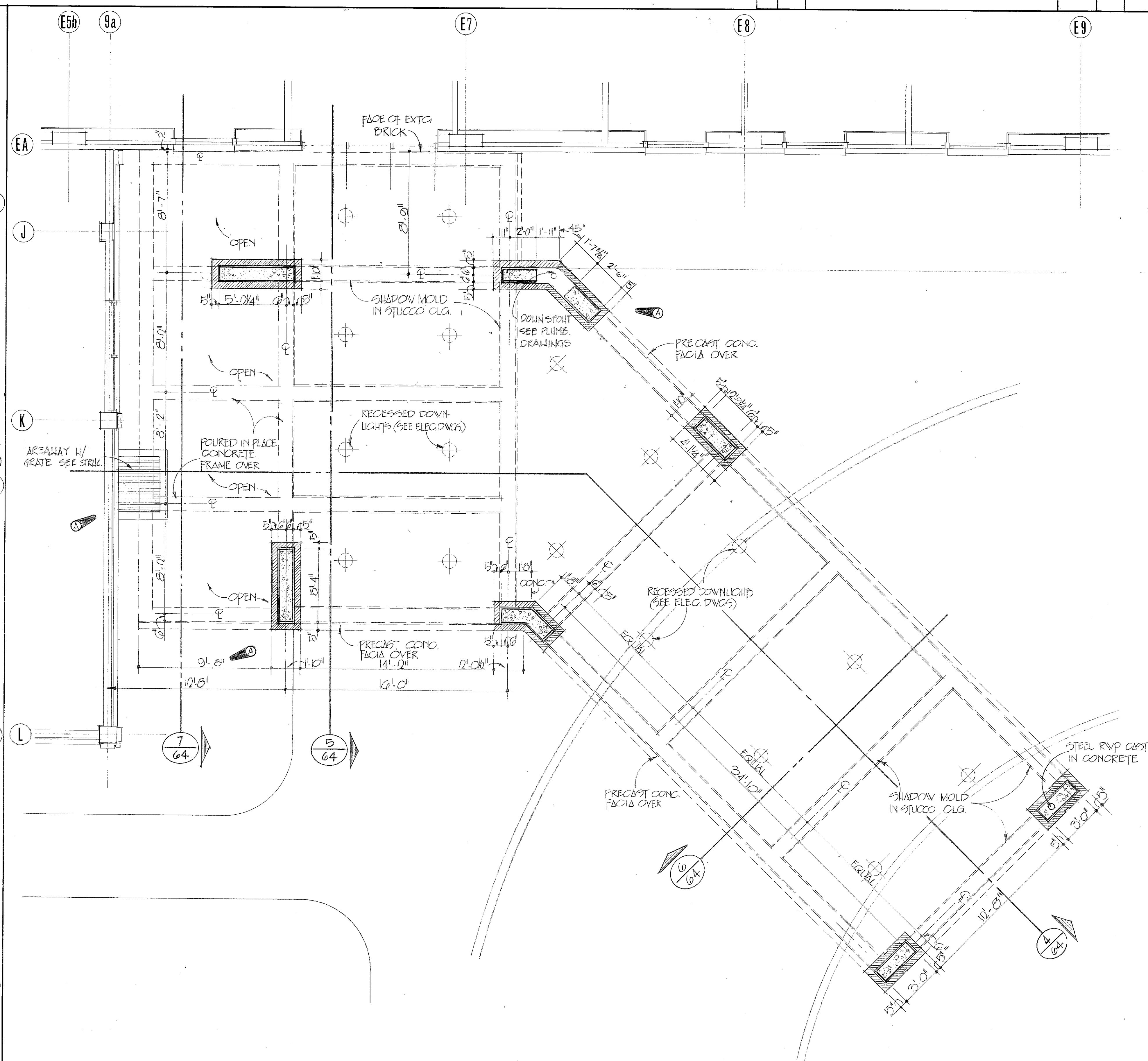


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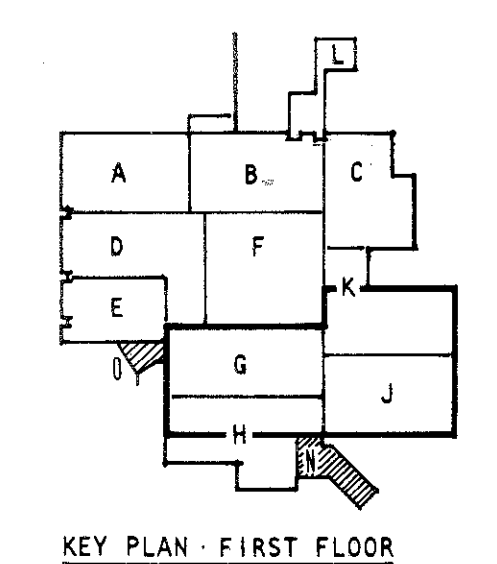
REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APPROVED
4		GENERAL REVISIONS		
		REV. TO BUILT. DETAIL NO. 76-02-037	1 MAY 80	213 Rm



FIRST FLOOR PLAN - BLOCK O
1/4" = 1'-0"



FIRST FLOOR PLAN - BLOCK N
1/4" = 1'-0"



KEY PLAN - FIRST FLOOR

0' 5' 10' 15'
1/4" = 1'-0"

GRAPHIC SCALES

TO SAVE A LIFE
YOU CAN'T BEAT SAFETY

A-22

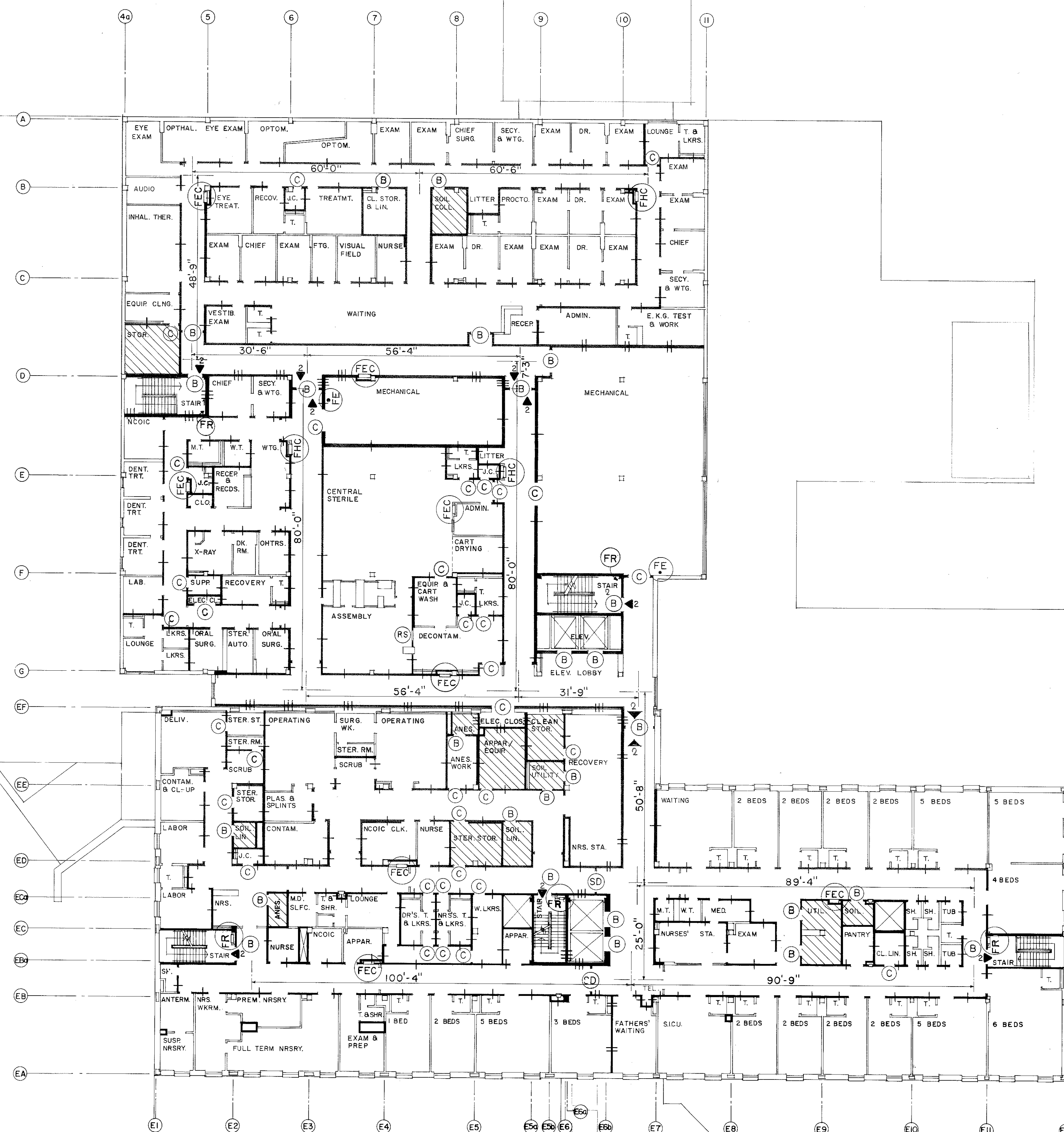
ABREU & ROBESON, INCORPORATED
ARCHITECTS AND ENGINEERS
ATLANTA, GEORGIA

U.S. ARMY ENGINEER DISTRICT, MOBILE
CORPS OF ENGINEERS
MOBILE, ALA.

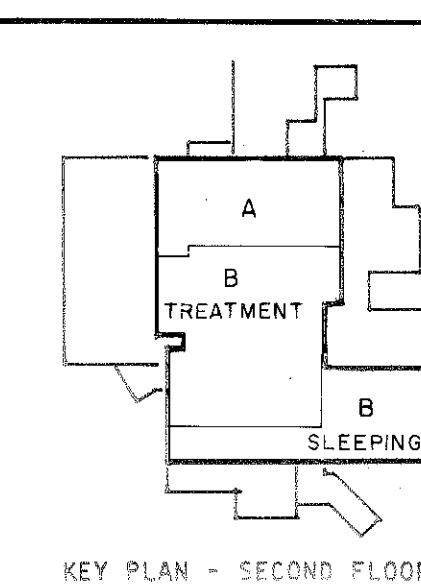
U.S. ARMY HOSPITAL, FORT MCLELLAN, ALABAMA

ARCHITECTURAL
FIRST FLOOR PLAN - BLOCK N-O

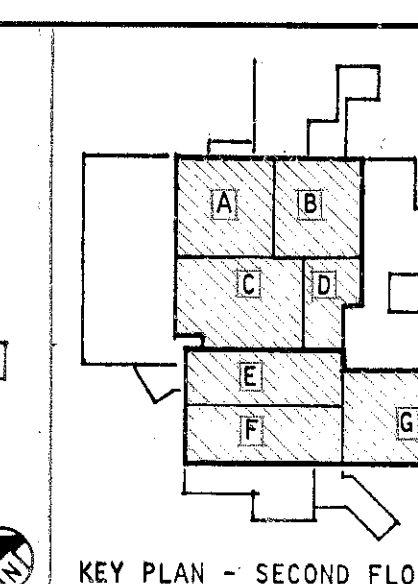
SH. REF. NO. 76-0057
SPEC. NO. 76-0057
FILE NO. FMC-2-38
DRAWING NO. 32-02-03
SCALE: AS SHOWN
DATE: APRIL, 1976
SHEET: 38

[illegible]

FIRE PROTECTION PLAN : SECOND FLOOR



KEY PLAN - SECOND FLOOR



KEY PLAN - SECOND FLO

TO SAVE A LIFE
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SH. REF. NO.
A-23

SPEC. NO.	DACA01
	76-B-005
SCALE:	AS SHOWN

7	SIZE	FILE
		DR.
IN	DATE:	

E NO. FMC-2-
AWING NO. 32-
APRIL 1976

39

-02.03

	SHEET	34

[illegible]

ABREU & ROBESON INCORPORATED ARCHITECTS AND ENGINEERS ATLANTA, GEORGIA	U. S. ARMY ENGINEER DISTRICT, MOBILE CORPS OF ENGINEERS MOBILE, ALA.

U.S. ARMY HOSPITAL. FORT McCLELLAN. ALABAMA

ARCHITECTURAL

FIRE PROTECTION PLAN : SECOND AND THIRD FLOORS

SH. REF. NO.	SPEC. NO.	SIZE	FILE NO.
			FMC-2- 39

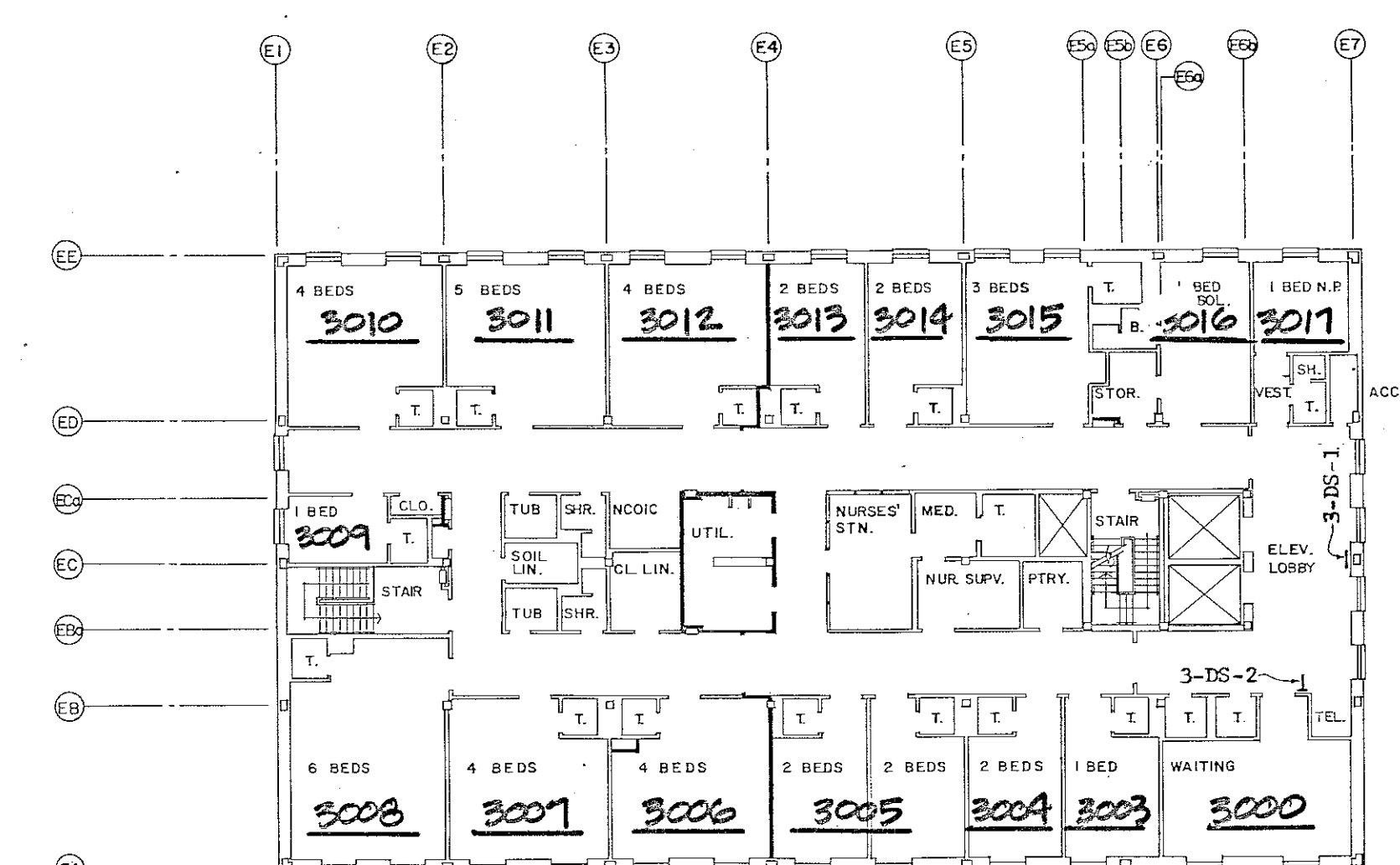
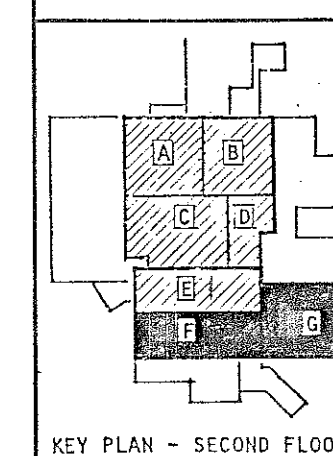
A 99	DACA01	
	76-B-0057	

A-23	70 0-00 21	DRAWING NO. 32-02.03	
	SCALE: AS SHOWN	DATE: APR 11 1976	EMER

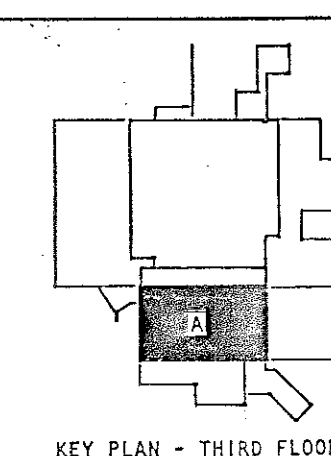


COMPOSITE SECOND FLOOR PLAN

COMPOSITE FLOOR PLANS FURNISHED
FOR INFORMATIONAL PURPOSES ONLY.
ROOM DESCRIPTIONS MAY NOT BE ACCURATE
IN ALL CASES.

COMPOSITE THIRD FLOOR PLAN
1/16" = 1'-0"

KEY PLAN - SECOND FLOOR



KEY PLAN - THIRD FLOOR

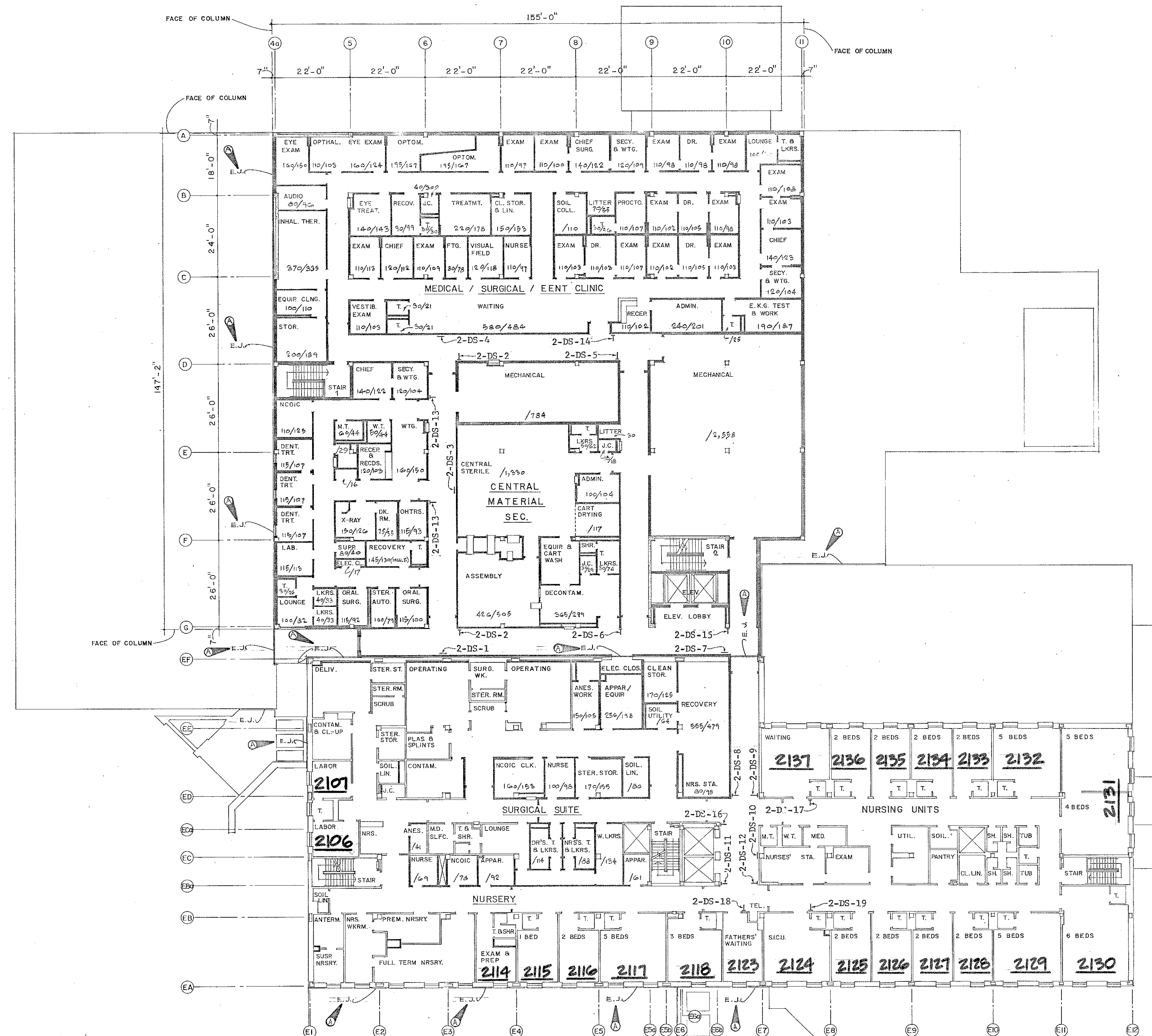
8' 0" 8' 16" 24' 32' 40'
1/16" = 1'-0"
SECOND FLOOR
BLOCK A - A-25
BLOCK B - A-26
BLOCK C - A-27
BLOCK D - A-28
BLOCK E - A-29
BLOCK F - A-30
BLOCK G - A-31

TO SAVE A LIFE
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SH. REF. NO. 5
A-24

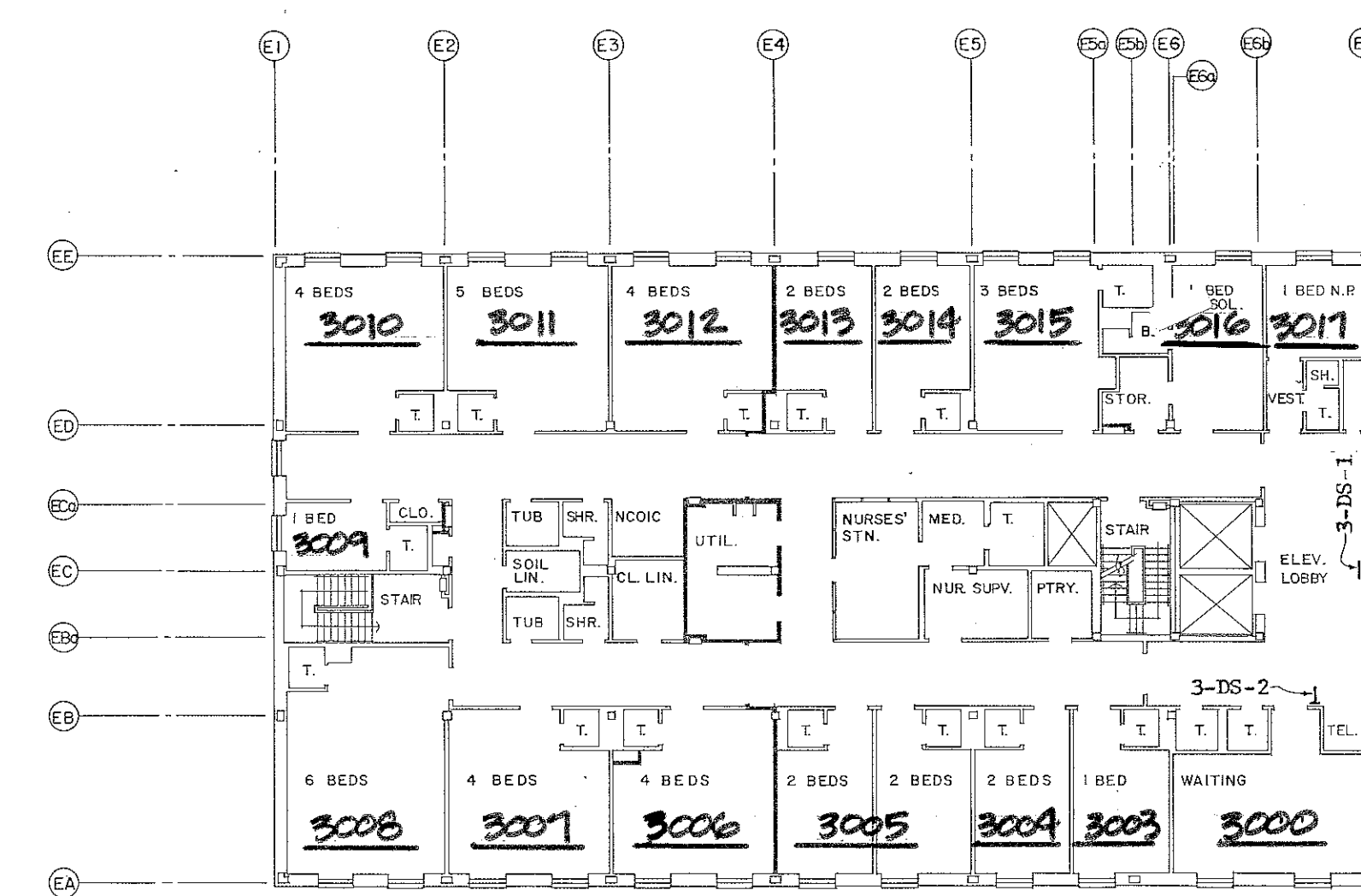
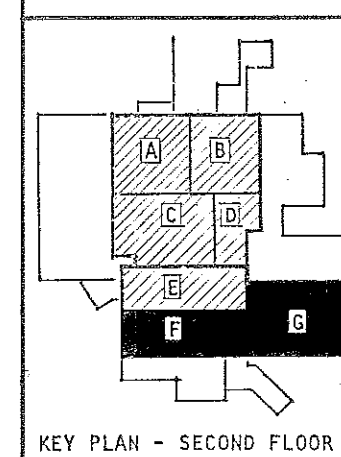
SUPPLEMENTAL TO PLAN 5151

AMENDMENT NO. 0001

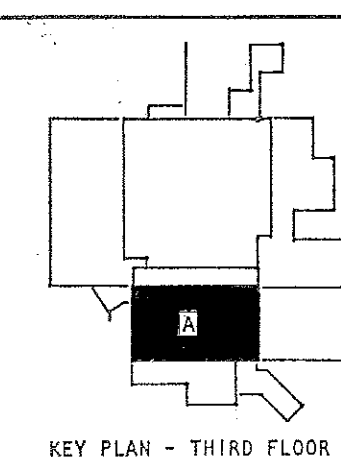


COMPOSITE SECOND FLOOR PLAN

COMPOSITE FLOOR PLANS FURNISHED
FOR INFORMATIONAL PURPOSES ONLY.
ROOM DESCRIPTIONS MAY NOT BE ACCURATE
IN ALL CASES.

COMPOSITE THIRD FLOOR PLAN
1/16" = 1'-0"

KEY PLAN - SECOND FLOOR



KEY PLAN - THIRD FLOOR

8' 0" 8' 16" 24' 32' 40'
1/16" = 1'-0"
SECOND FLOOR THIRD FLOOR
BLOCK A - A-25 BLOCK A - A-32
BLOCK B - A-26
BLOCK C - A-27
BLOCK D - A-28
BLOCK E - A-29
BLOCK F - A-30
BLOCK G - A-31

TO SAVE A LIFE
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SH. REF. NO.
DACA01
76 8-00 57

SCALE: AS SHOWN
DATE: APRIL, 1976

FILE NO. FMC-2- 40
DRAWING NO. 32-02-03

ADREU & ROBESON INCORPORATED
ARCHITECTS AND ENGINEERS
ATLANTA, GEORGIA

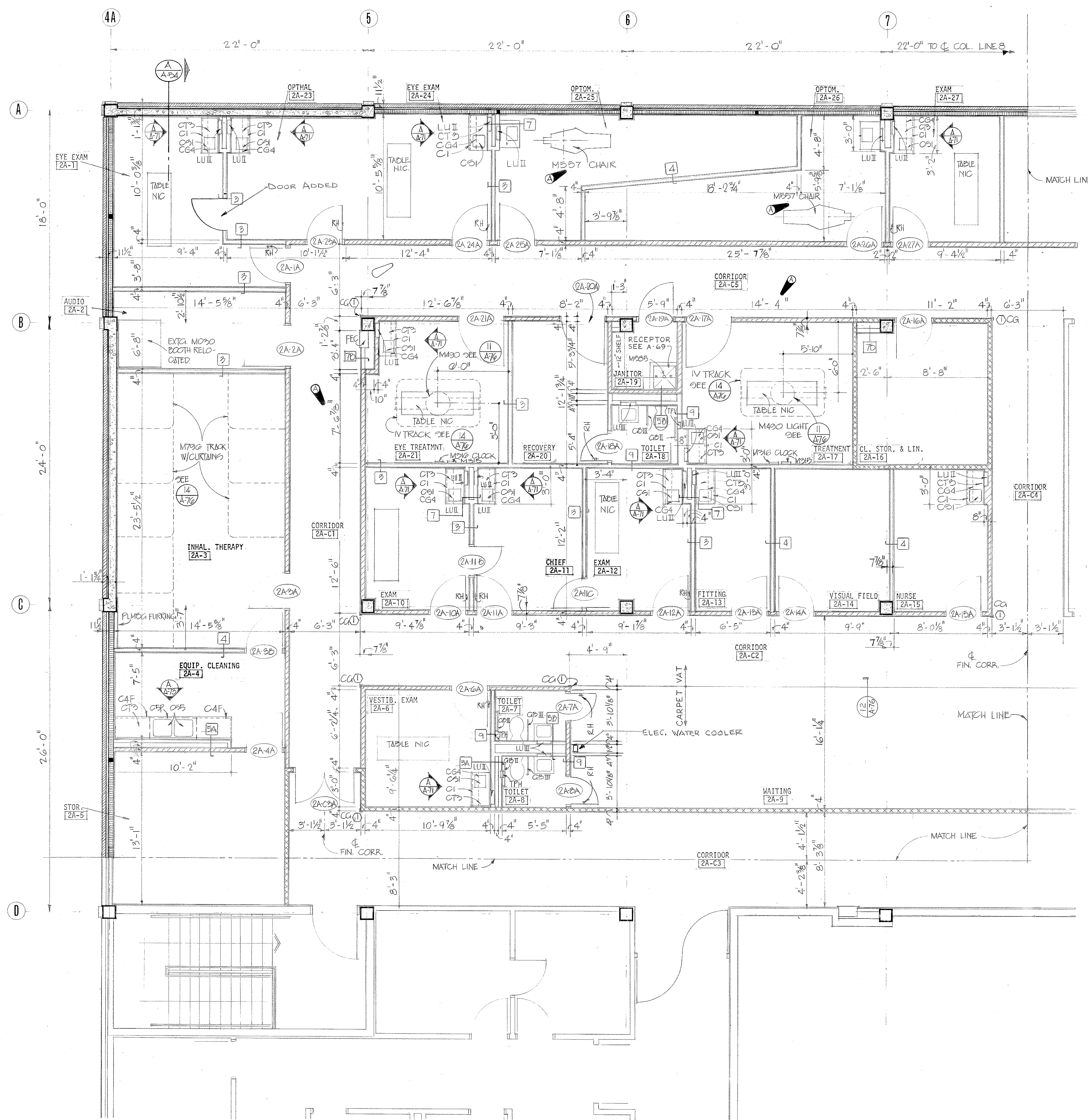
U.S. ARMY ENGINEER DISTRICT, MOBILE
CORPS OF ENGINEERS
MOBILE, ALA.

U.S. ARMY HOSPITAL, FORT McCLELLAN, ALABAMA

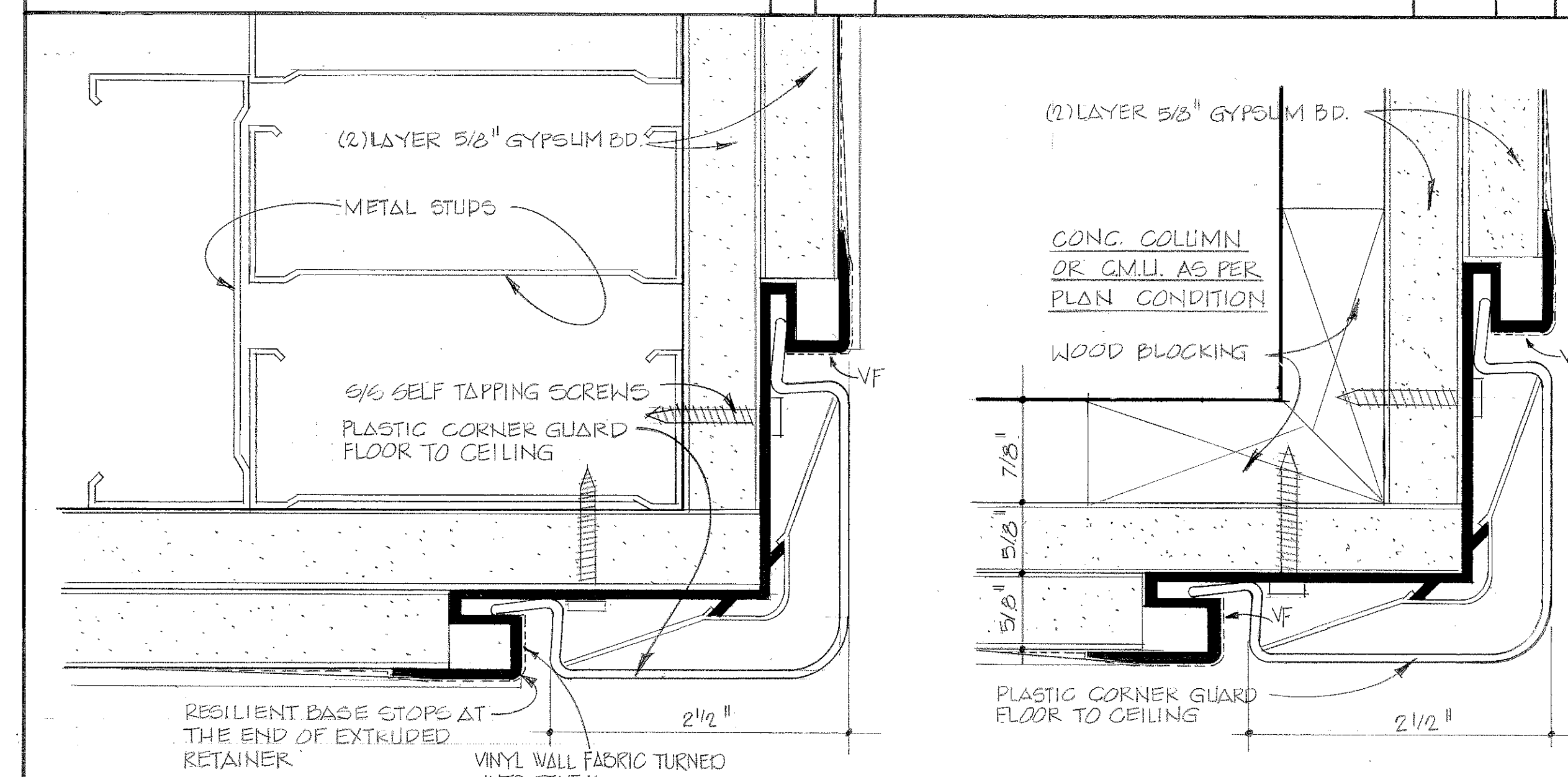
ARCHITECTURAL
COMPOSITE SECOND AND THIRD FLOOR PLANS

SH. REF. NO. A-24
SCALE: AS SHOWN
DATE: APRIL, 1976
SHEET 40

REVISIONS			
SYM. ZONE	DESCRIPTION	DATE	APPROVED
4	GENERAL REVISION	5-17-76	
	76-0007	1 MAY 80	775

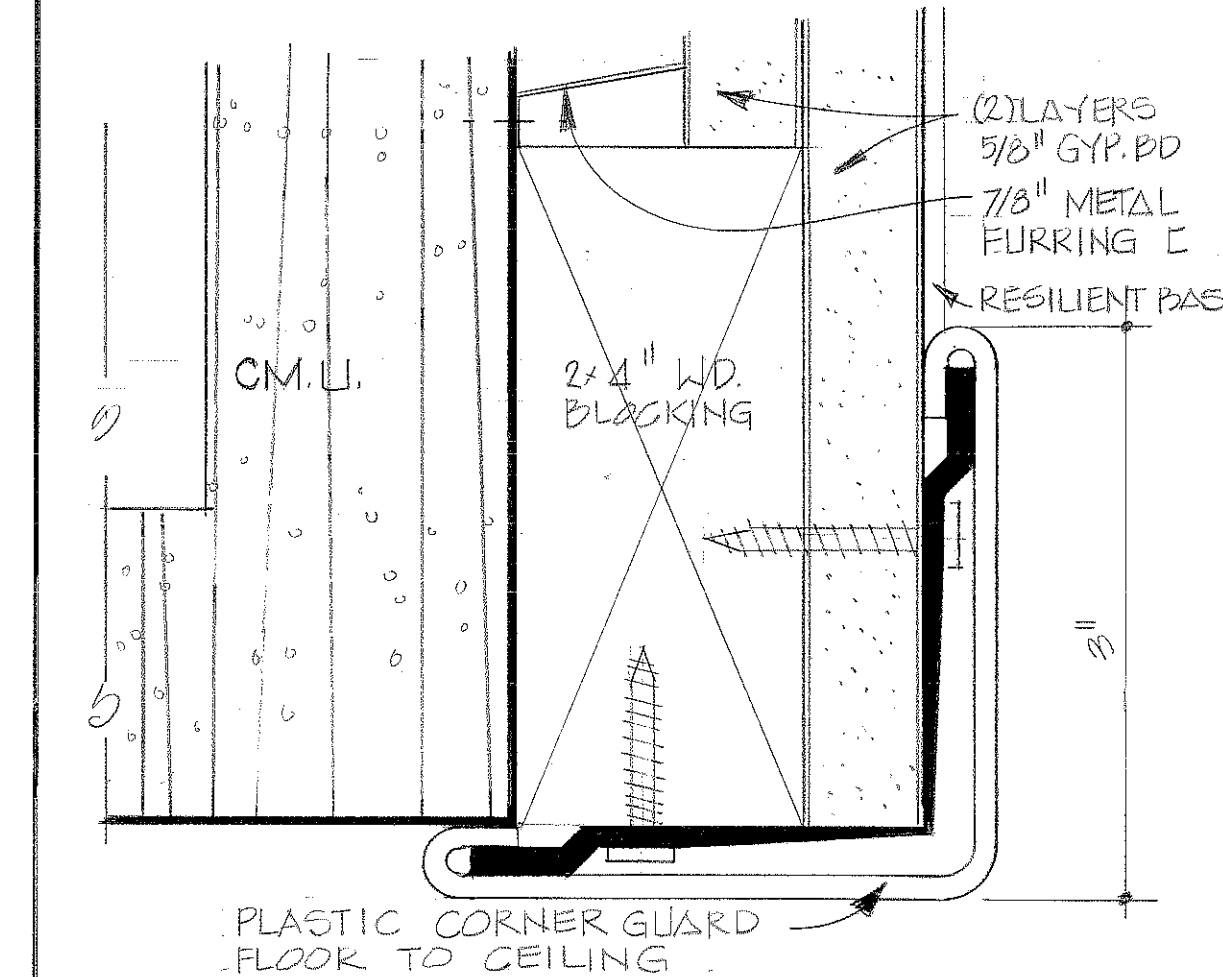


SECOND FLOOR PLAN - BLOCK A
1/4" = 1'-0"

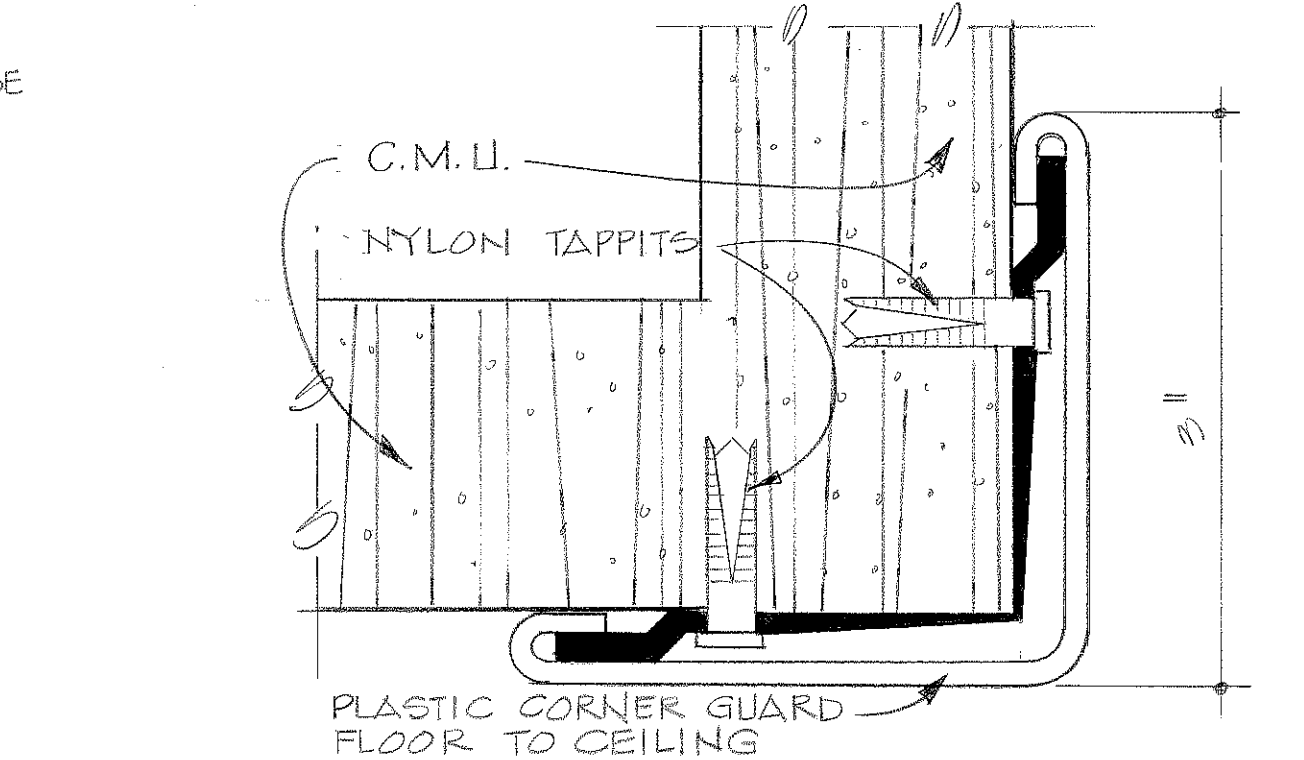


1 TYPICAL CORNER GUARD DETAIL STUD WALLS
FULL SCALE

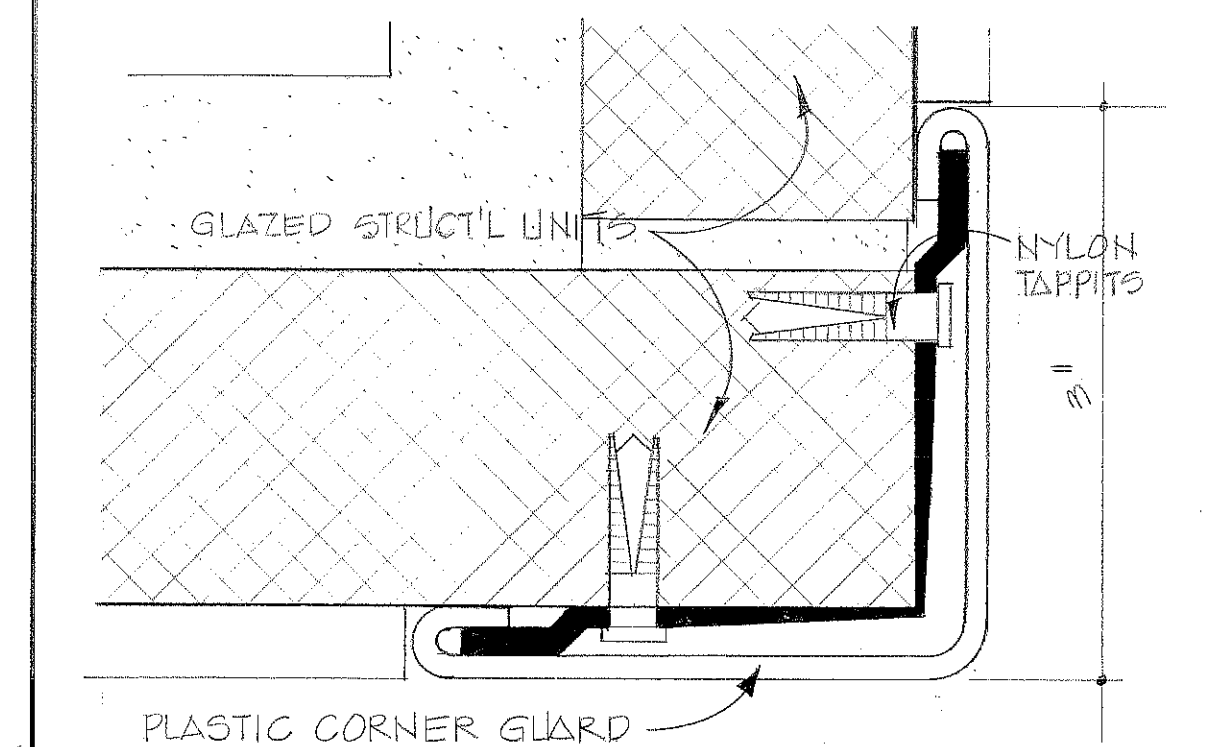
2 TYPICAL CORNER GUARD ON CONC. COLUMN AND CONC. MASONRY
FULL SCALE



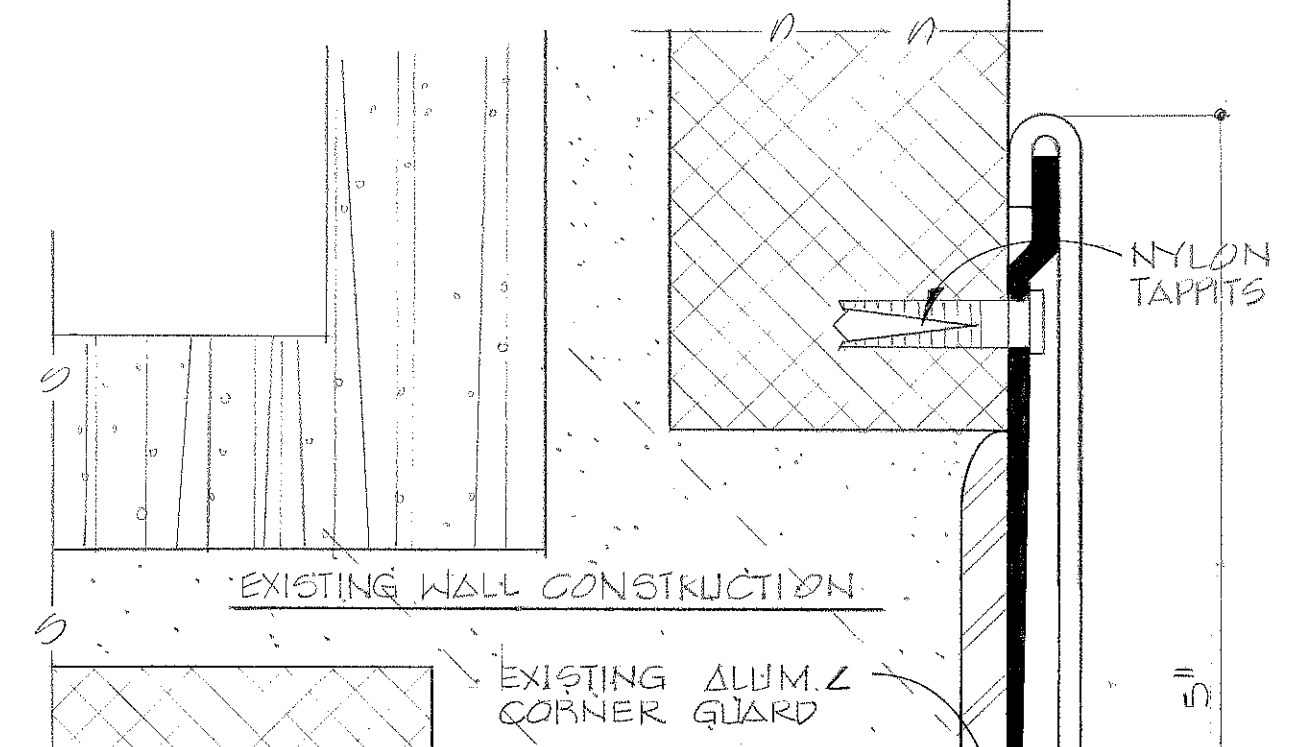
3 CORNER GUARD SURFACE MOUNTED
FULL SCALE



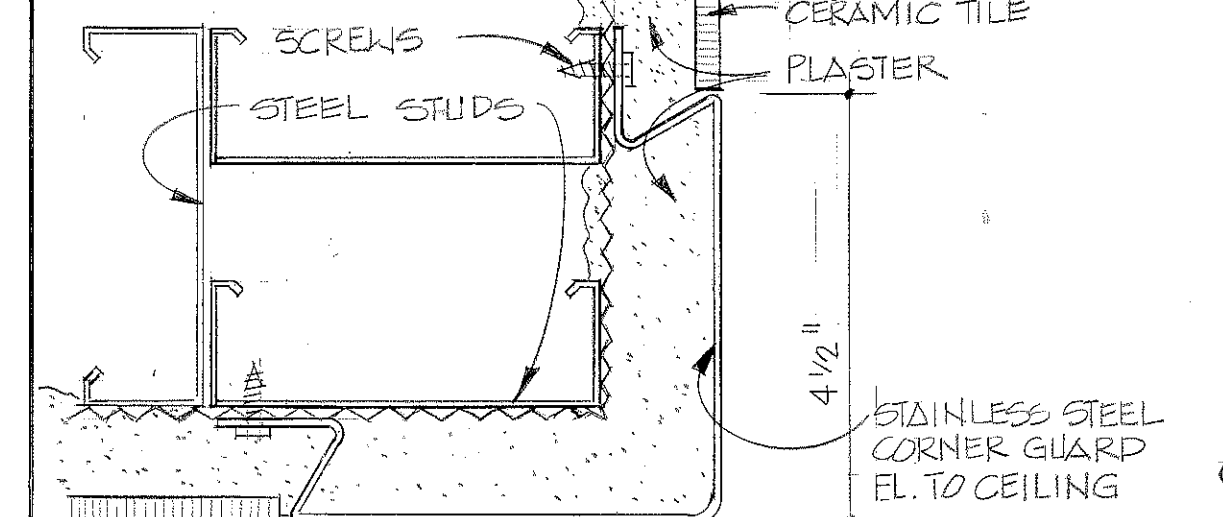
4 CORNER GUARD SURFACE MOUNTED
FULL SCALE



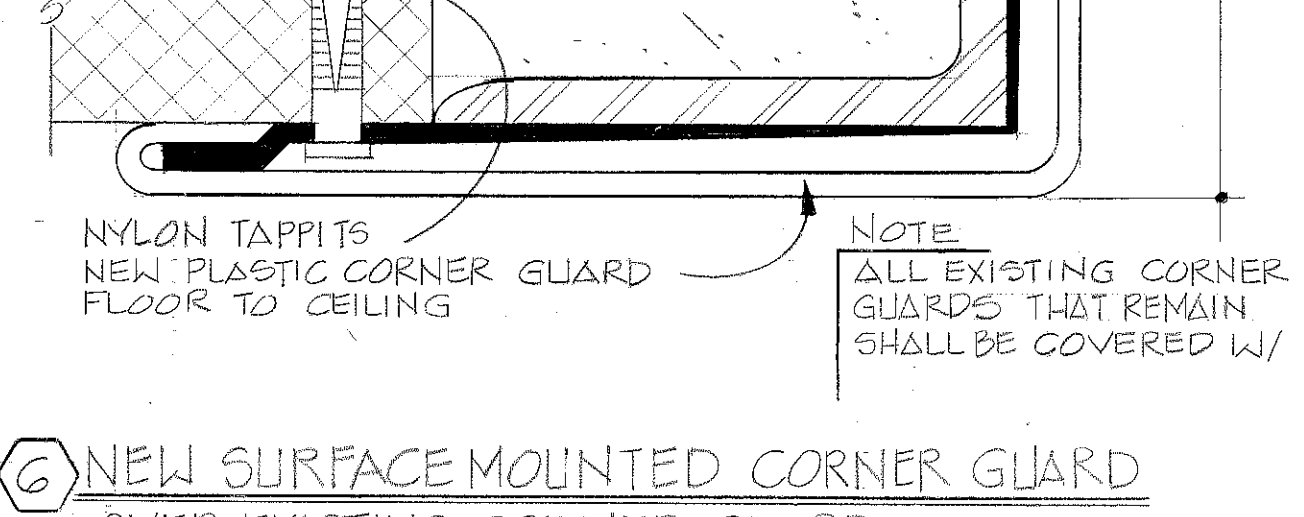
5 CORNER GUARD SURFACE MOUNTED
FULL SCALE



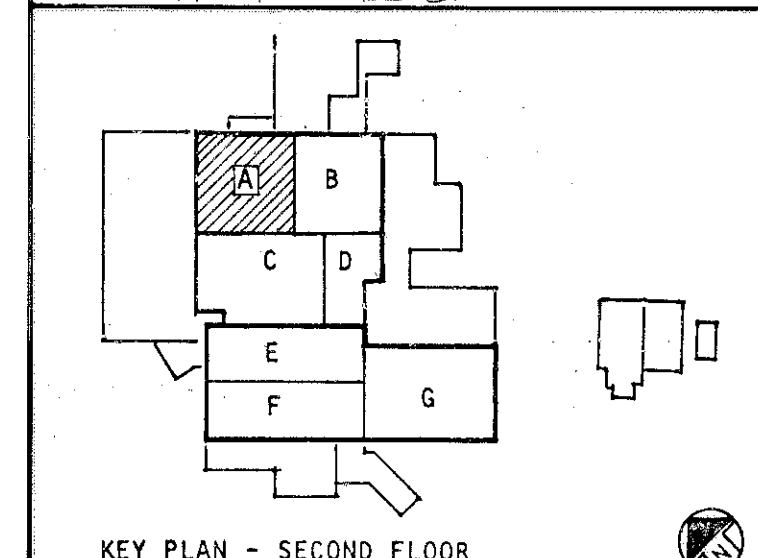
6 NEW SURFACE MOUNTED CORNER GUARD OVER EXISTING CORNER GUARDS
FULL SCALE



7 FLUSH MOUNTED CORNER GUARD
HALF FULL SIZE



8 CORNER GUARD SURFACE MOUNTED
FULL SCALE



1/4" = 1'-0"	1/2" = 1'-0"	3/4" = 1'-0"	1" = 1'-0"	1 1/2" = 1'-0"	2" = 1'-0"
1/4" = 1'-0"	1/2" = 1'-0"	3/4" = 1'-0"	1" = 1'-0"	1 1/2" = 1'-0"	2" = 1'-0"
1/4" = 1'-0"	1/2" = 1'-0"	3/4" = 1'-0"	1" = 1'-0"	1 1/2" = 1'-0"	2" = 1'-0"
1/4" = 1'-0"	1/2" = 1'-0"	3/4" = 1'-0"	1" = 1'-0"	1 1/2" = 1'-0"	2" = 1'-0"
1/4" = 1'-0"	1/2" = 1'-0"	3/4" = 1'-0"	1" = 1'-0"	1 1/2" = 1'-0"	2" = 1'-0"
1/4" = 1'-0"	1/2" = 1'-0"	3/4" = 1'-0"	1" = 1'-0"	1 1/2" = 1'-0"	2" = 1'-0"
1/4" = 1'-0"	1/2" = 1'-0"	3/4" = 1'-0"	1" = 1'-0"	1 1/2" = 1'-0"	2" = 1'-0"
1/4" = 1'-0"	1/2" = 1'-0"	3/4" = 1'-0"	1" = 1'-0"	1 1/2" = 1'-0"	2" = 1'-0"
1/4" = 1'-0"	1/2" = 1'-0"	3/4" = 1'-0"	1" = 1'-0"	1 1/2" = 1'-0"	2" = 1'-0"
1/4" = 1'-0"	1/2" = 1'-0"	3/4" = 1'-0"	1" = 1'-0"	1 1/2" = 1'-0"	2" = 1'-0"

TO SAVE A LIFE
YOU CAN'T BEAT SAFETY

SH. REF. NO. A-25

SPEC. NO. 76-0007

FILE NO. FMC-2-41

DRAWING NO. 32-02-03

SCALE: AS SHOWN DATE: APRIL, 1976 SHEET 41

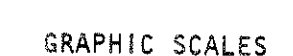
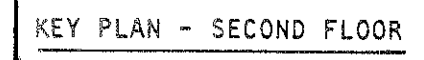
DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

S


$$1/4'' = 1' - 0''$$


SH. REF. NO.
A-26

ATLANTA, GEORGIA	MOBILE, ALA.
U.S. ARMY HOSPITAL	FORT MC CLELLAN ALABAMA

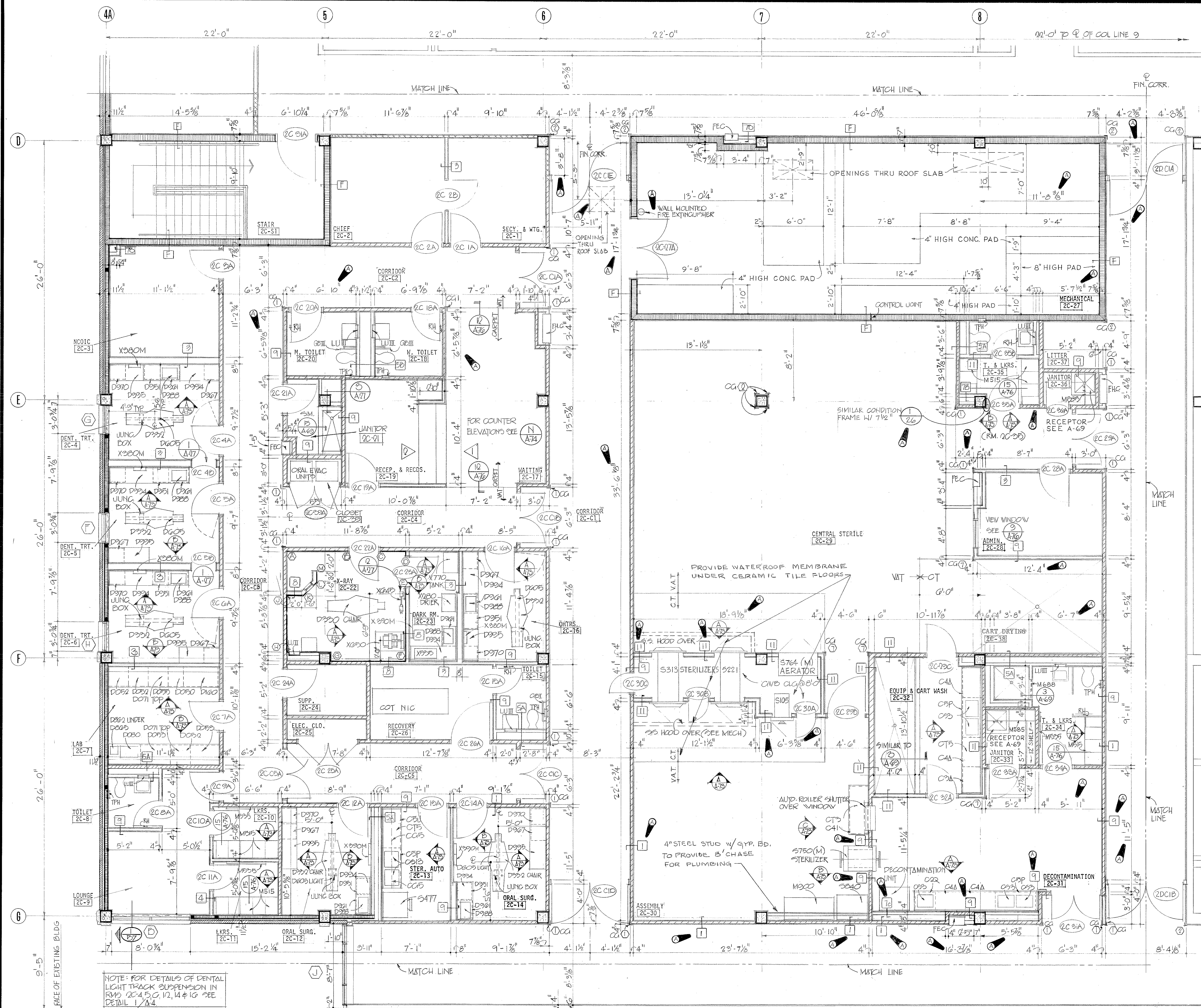
0500MB FLOOD PLAN BLOCK D

SECOND FLOOR PLAN - BLOCK B

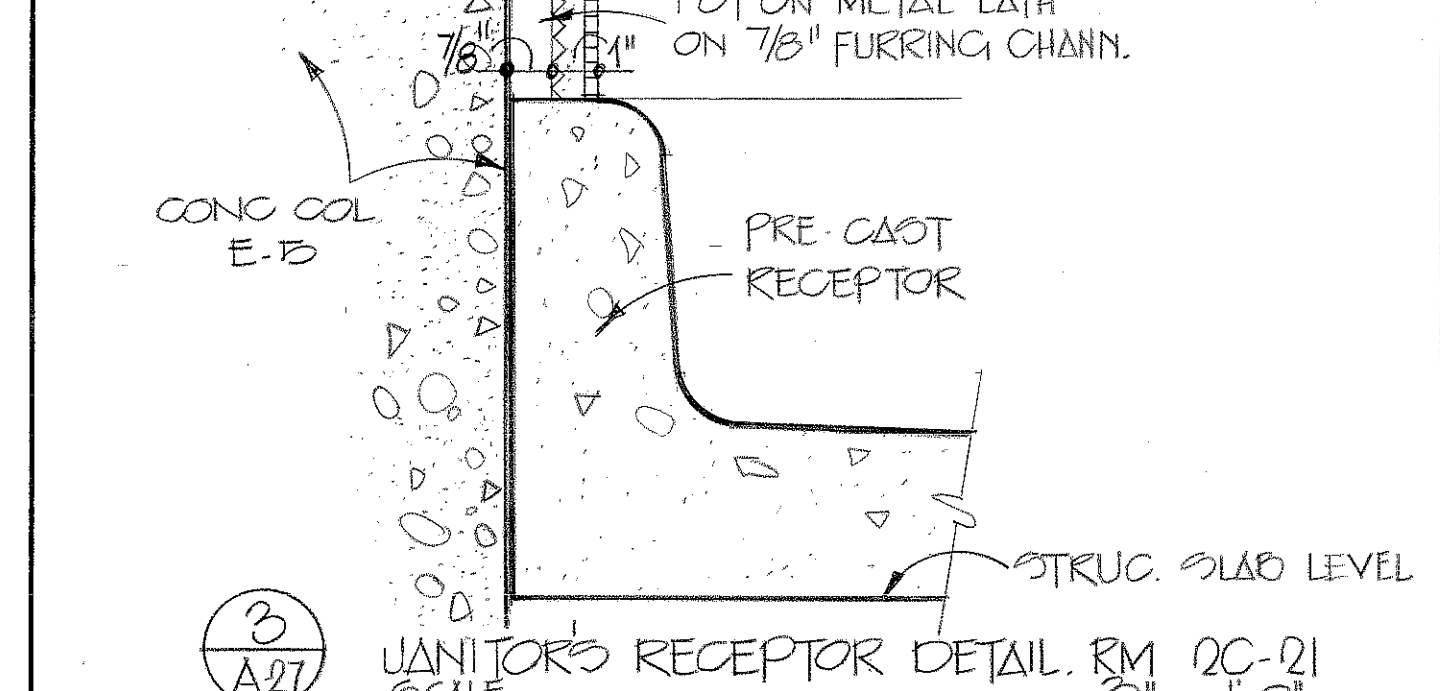
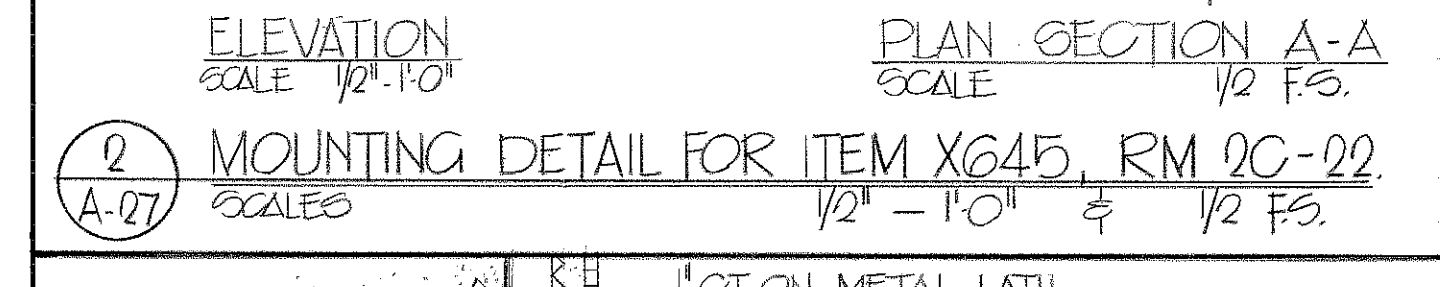
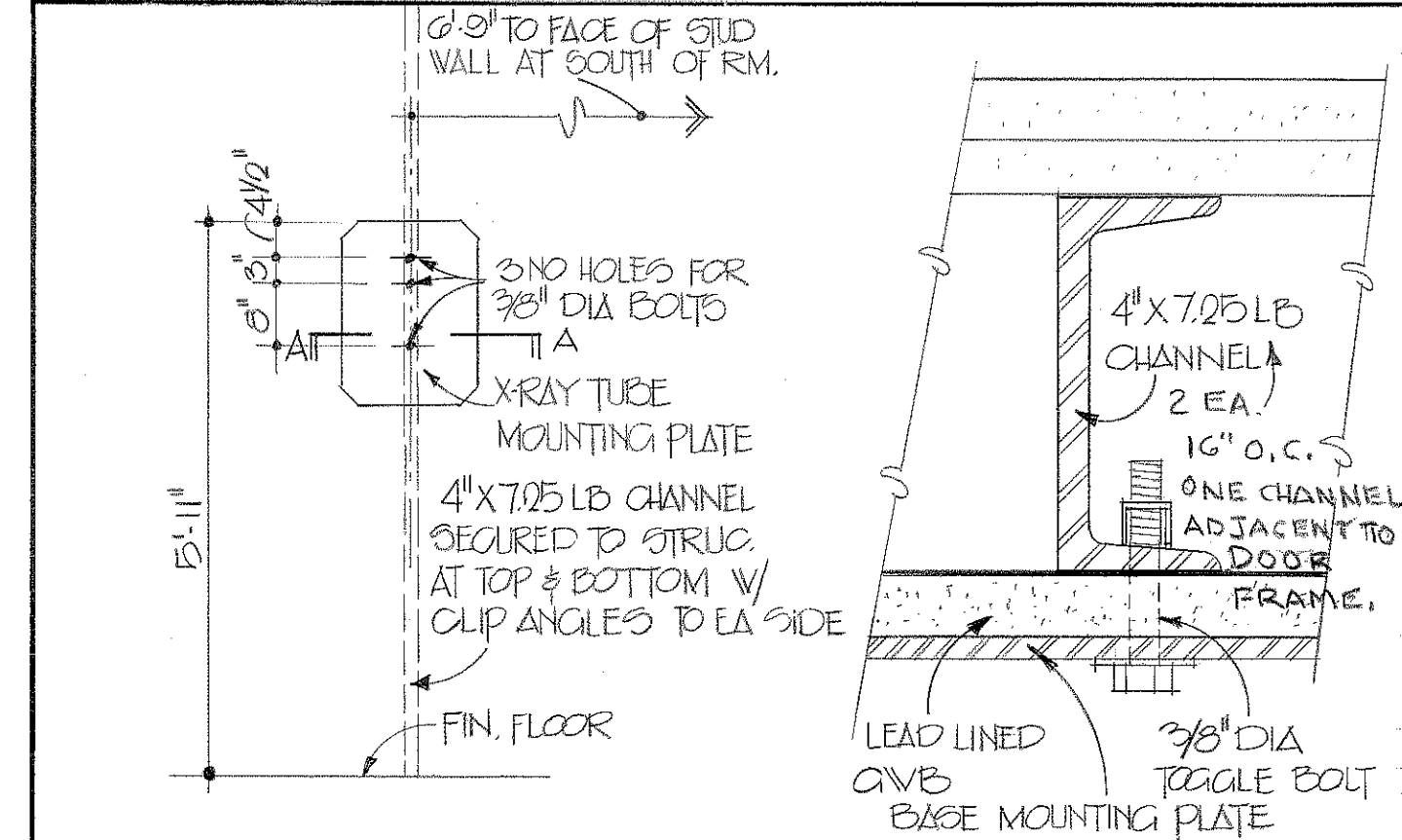
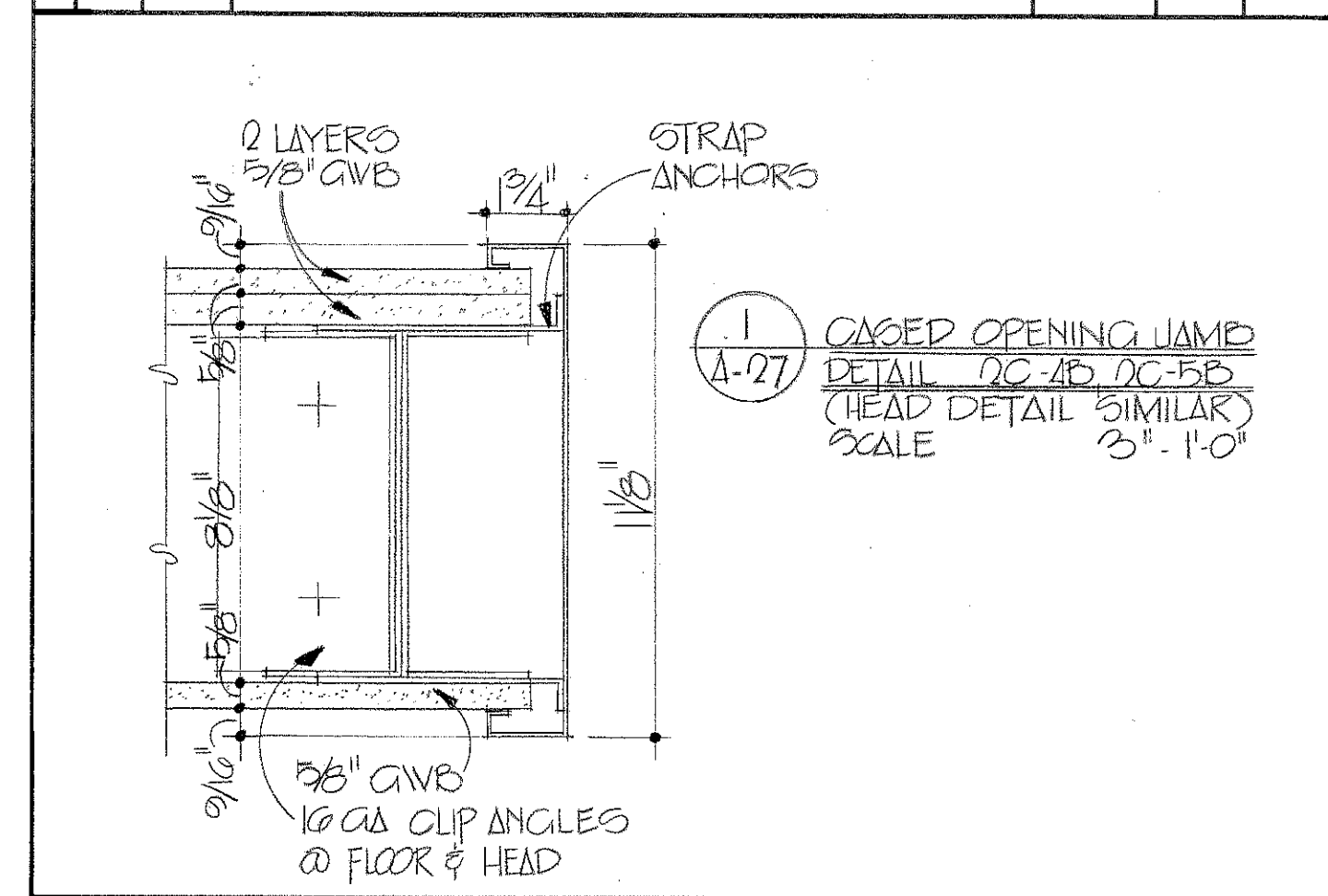
SPEC. NO.	SIZE	FILE NO.	FMC-2- 42
DACA01			

DRAWING NO. 32-02-03

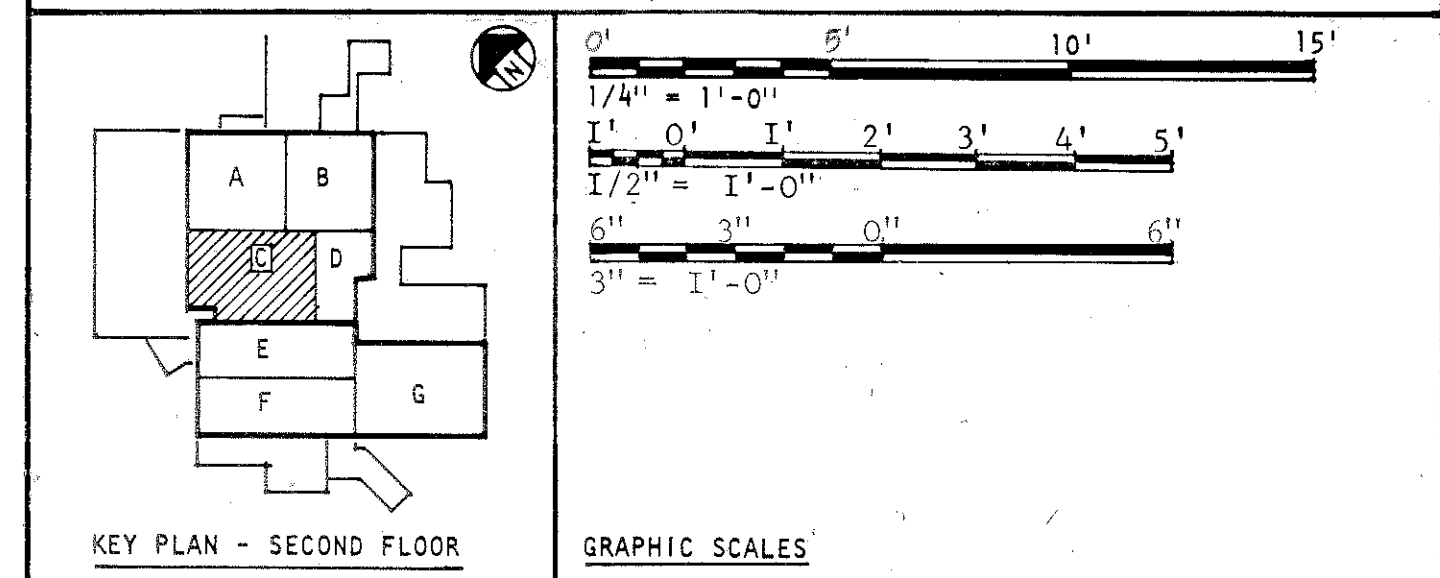
SCALE: AS SHOWN	DATE: APRIL, 1976	SHEET 42

SECOND FLOOR PLAN - BLOCK C
1/4" = 1'-0"

REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APPROVED
36		GENERAL REVISION	5-17-76	
		REV. AC. HALL (300' HALL) (10' x 10')	76-0-0-0007-00000000	1 MAY 30 1976



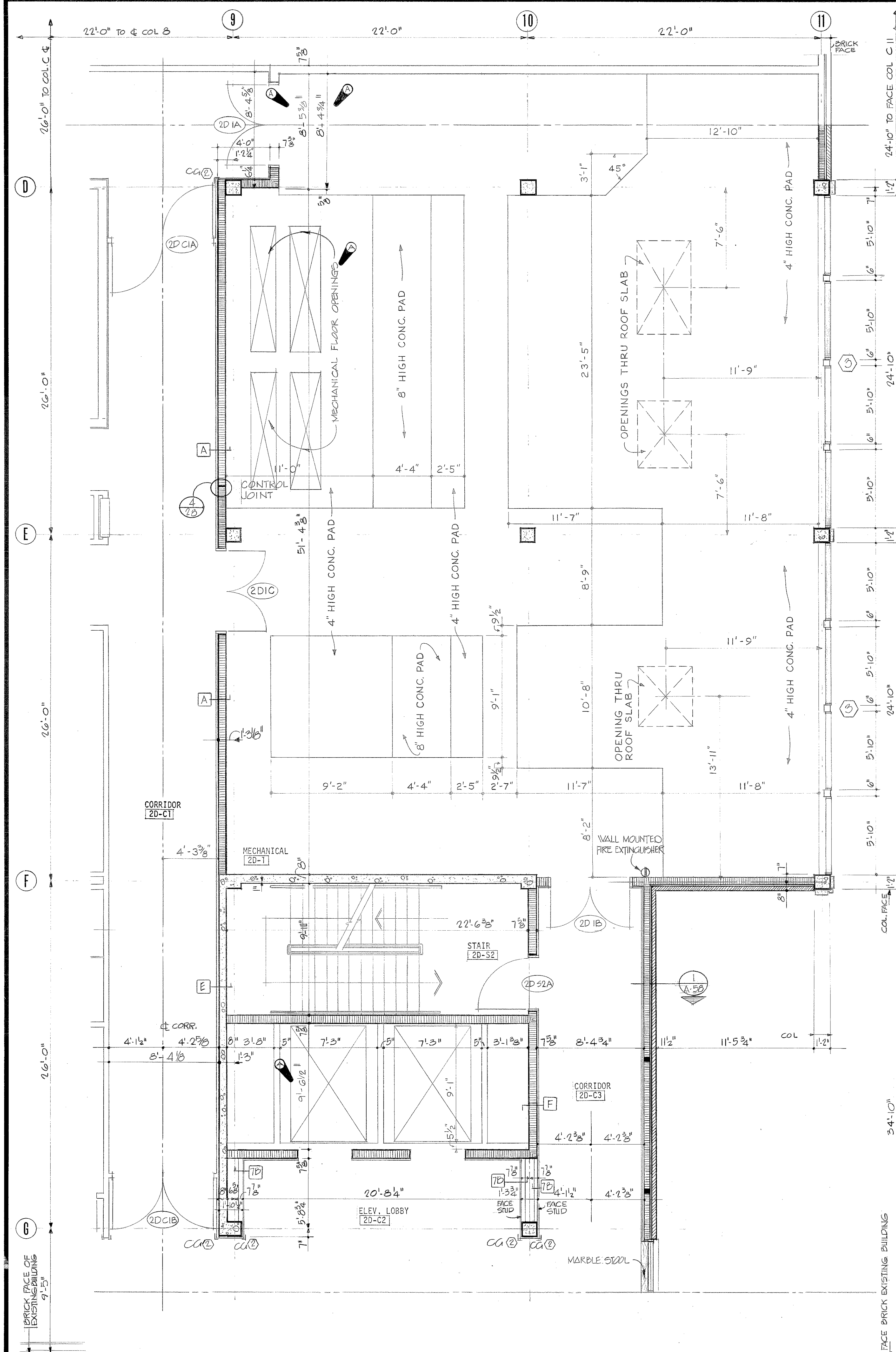
LEAD SCHEDULE	
SYMBOL	LEAD THICKNESS
WALL AD	1/16"
DOOR BC	1/16"
WALL CD	1/16"
DOOR DE	1/16"
WALL EF	1/16"
WALL FG	1/16"
WALL GH	1/16"
WALL HU	1/16"
WALL JK	1/16"
WALL KL	1/16"
WALL LM	1/16"



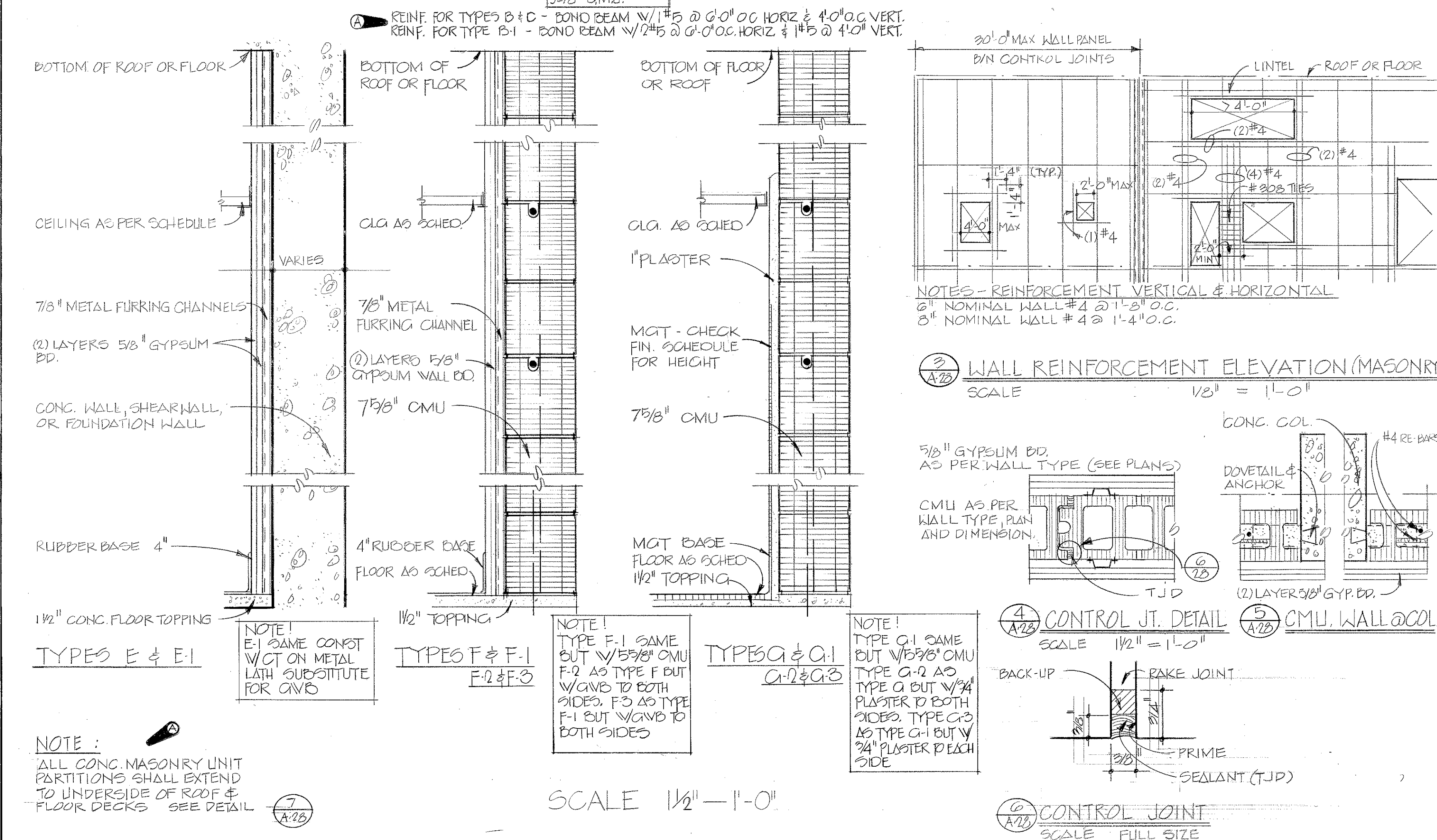
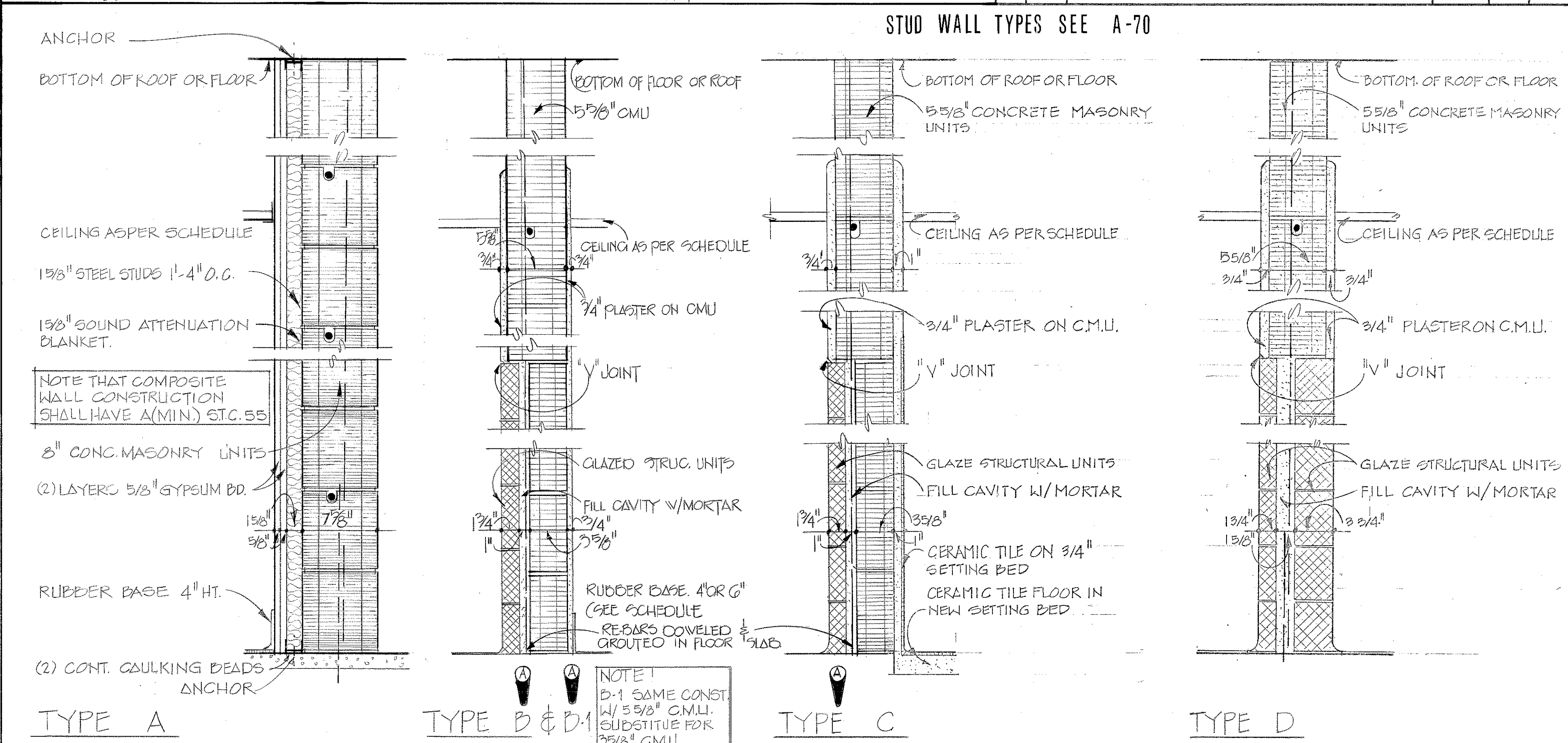
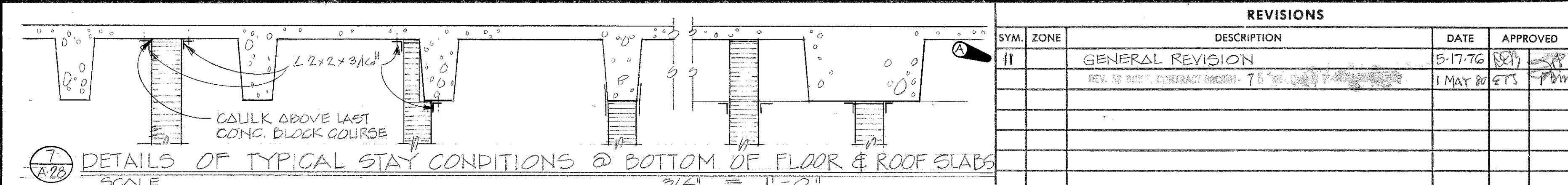
ARCHITECTURAL	
SECOND FLOOR PLAN - BLOCK C	
SH. REF. NO. A-27	SPEC. NO. DACAOI
SIZE 76-B-00 57	FILE NO. FMC-2-43
DRAWING NO. 32-02-03	DATE APRIL, 1976
SHEET 43	

TO SAVE A LIFE YOU CAN'T BEAT SAFETY

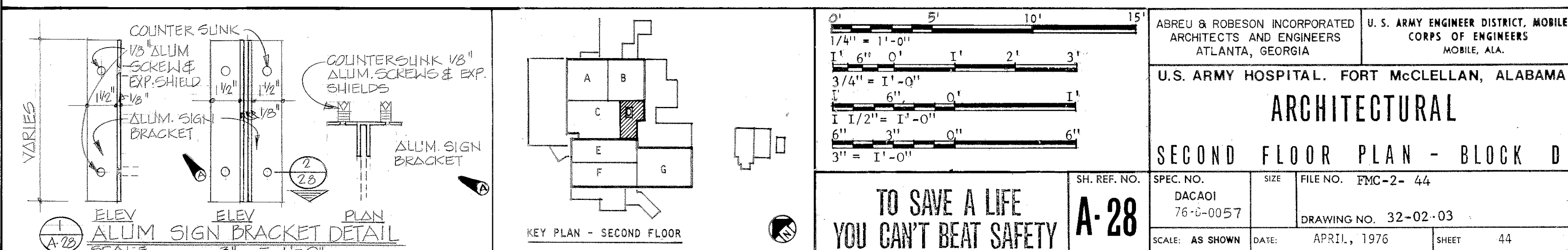
AMENDMENT NO. 0001



SECOND FLOOR PLAN - BLOCK D



INTERIOR PARTITION DETAILS

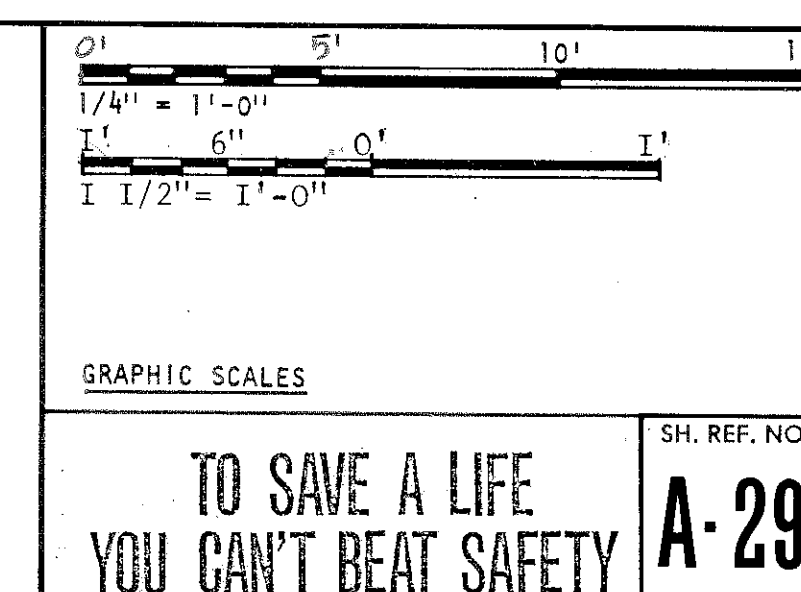


DRAVING INVENTION
 PLAN HOLD CORPORATION • FARM CALIFORNIA
 REGISTRATION BY NUMBER 07066
 1975-1976 1977-1978 1979-1980



DRAWING NUMBER
Mobile Hospital
4-229 75

P.L.A.N. HELD CORPORATION • IRVINE, CALIFORNIA
(DESIGNED BY HANSEN GROUP)

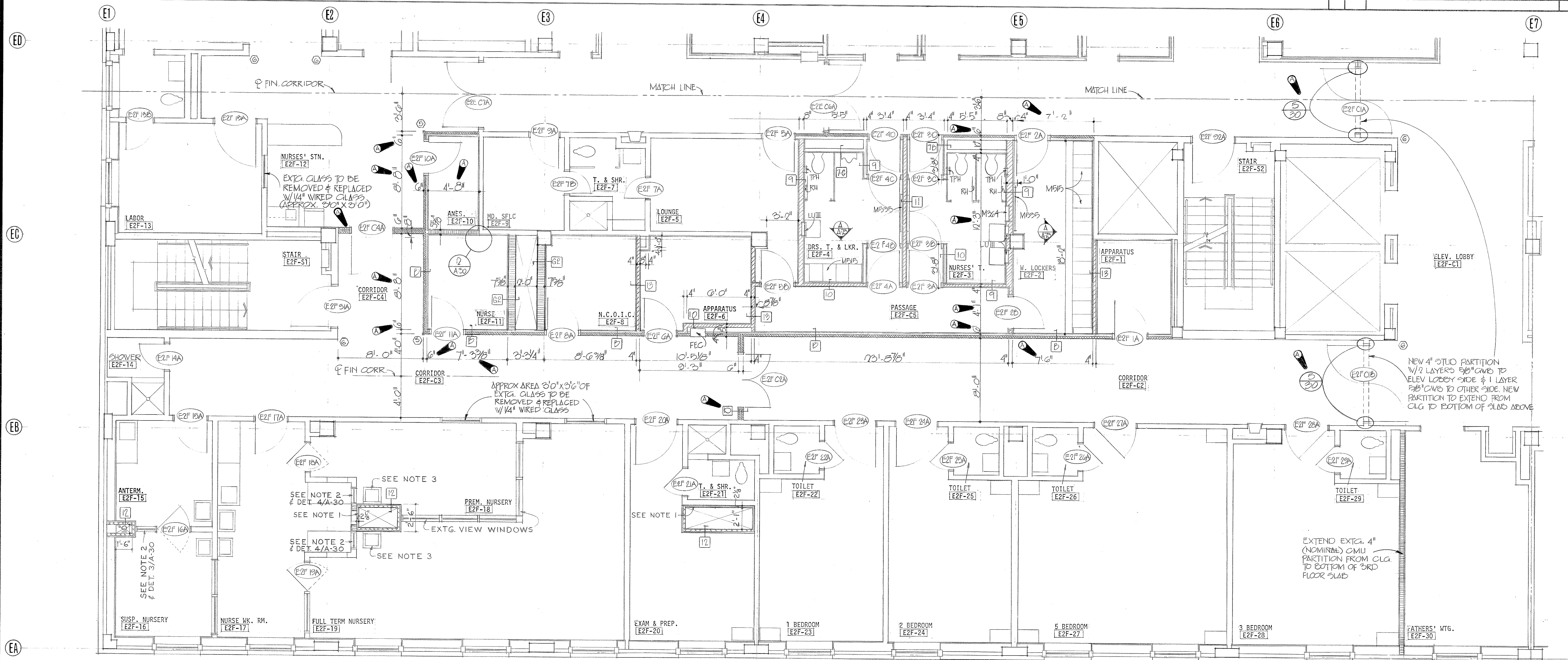


DRAWING NUMBER

NOTES:

- 2 LAYERS OF 5/8" GYPSUM BOARD ON 7/8" FURRING CHANNELS.
- INSTALL NEW VIEW WINDOW TO FIT REDUCED OPENING.
- EXISTING LAVATORY REMOUNTED, SEE PLUMBING DRAWINGS.

REVISIONS			
SYM.	ZONE	DESCRIPTION	DATE
20		GENERAL REVISION	3-17-76
		REV. AS SHOWN CONTRACT DRAWING 76-0-0057	1 MAY 80

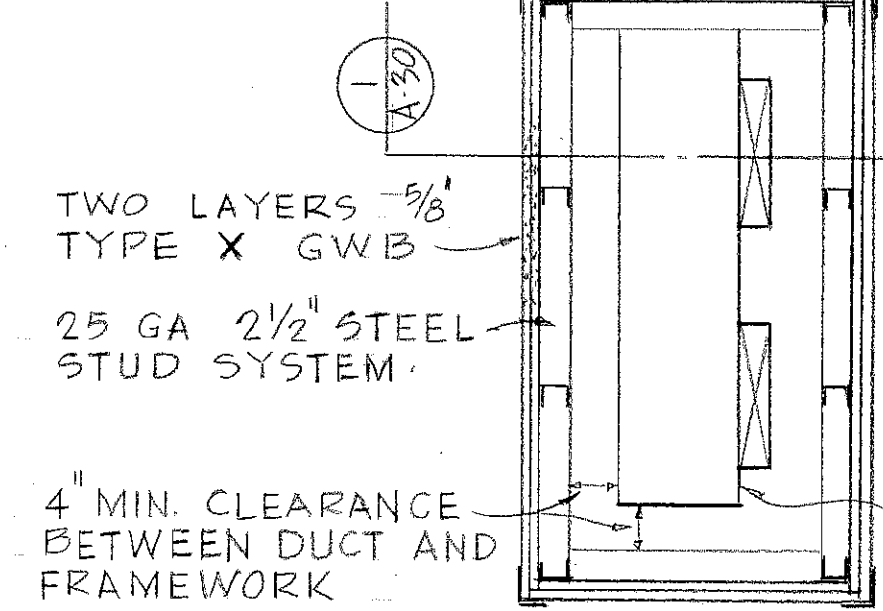
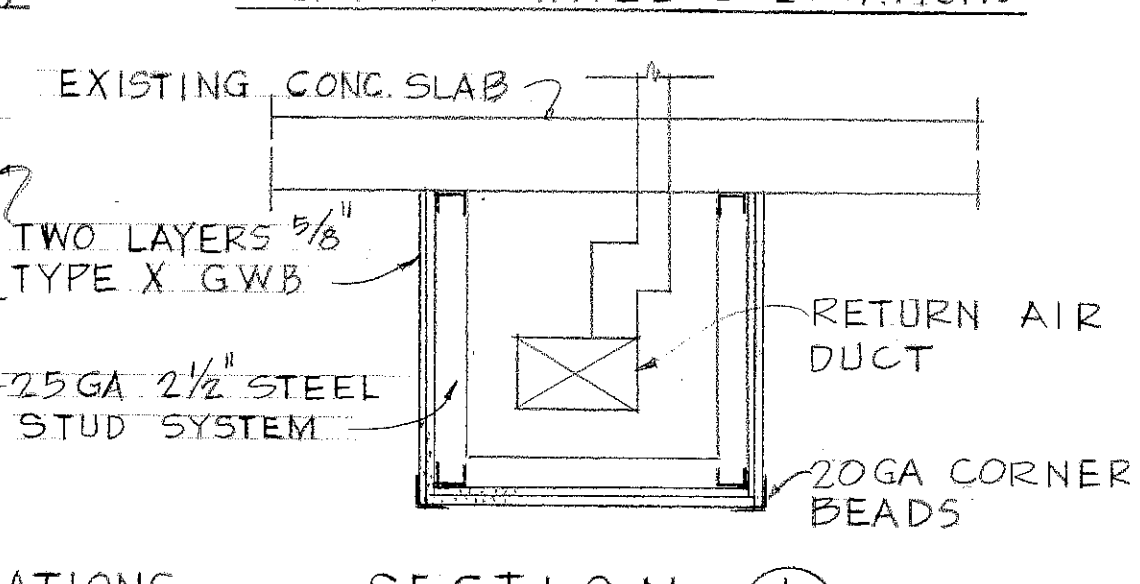
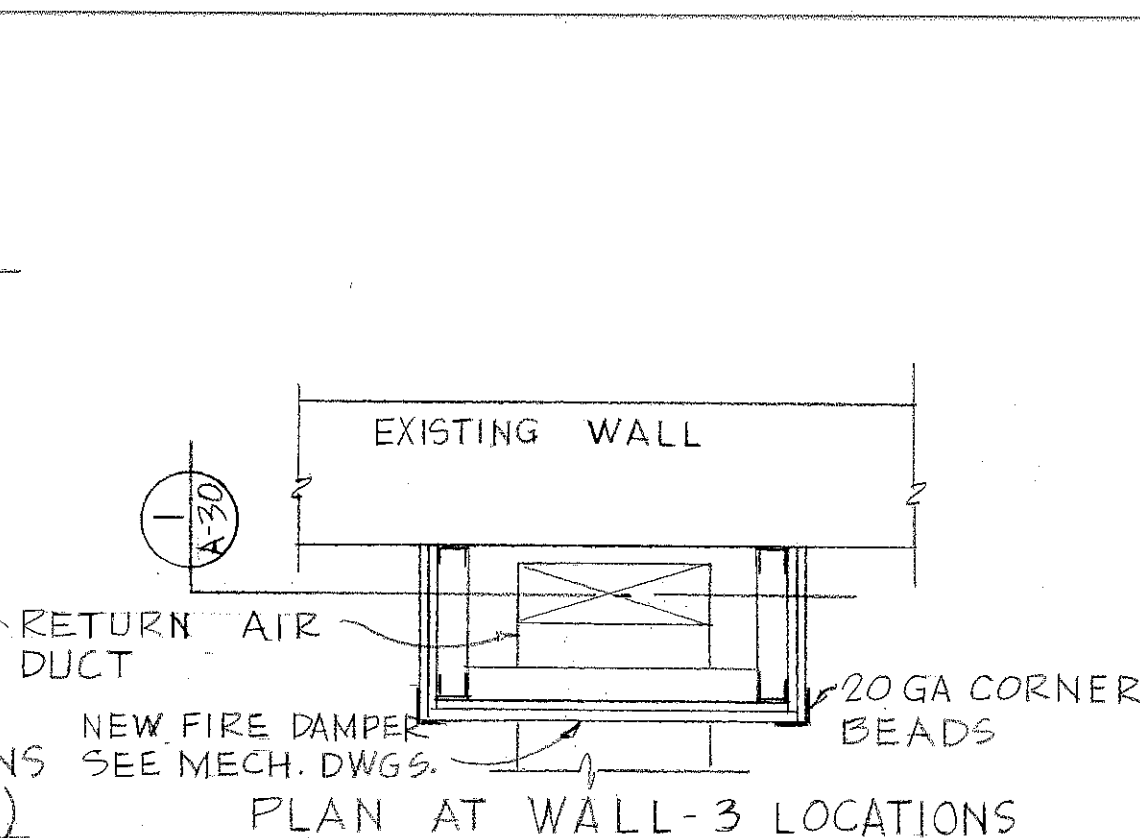


SECOND FLOOR PLAN BLOCK F

1/4" = 1'-0"

NEW FIRE DAMPER

SEE MECHANICAL DWGS

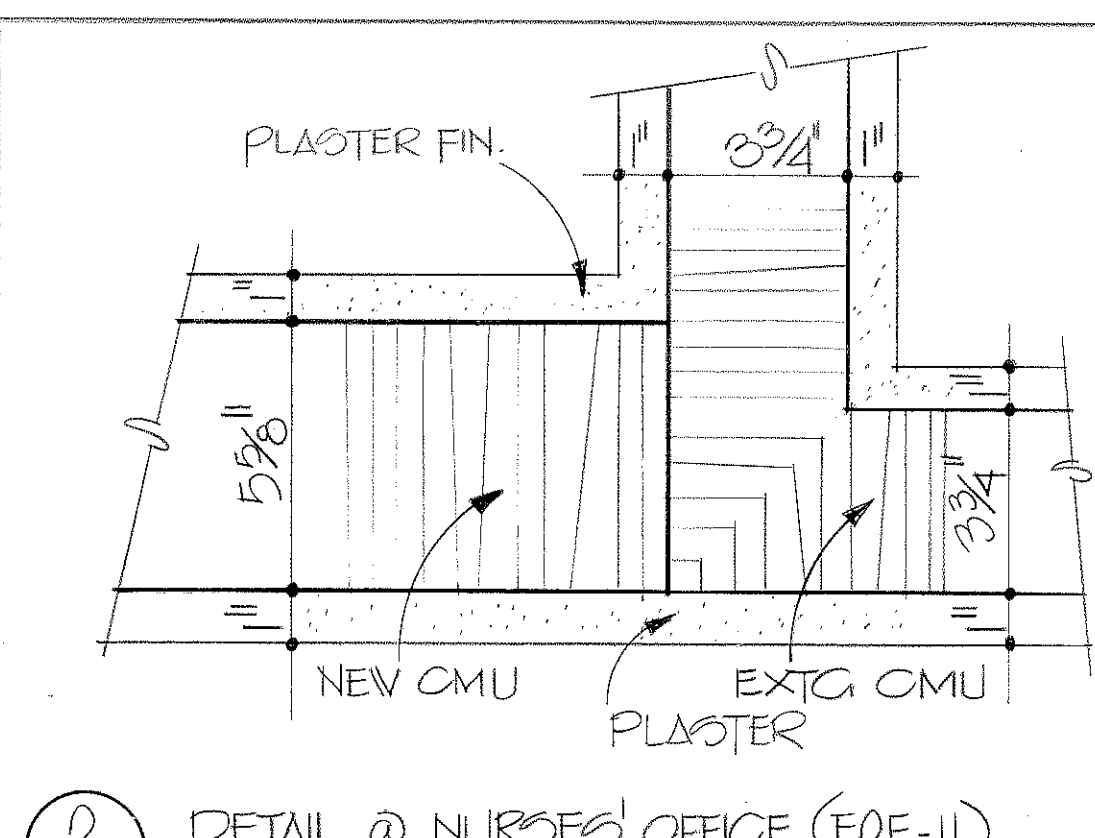
NEW FIRE DAMPER
SEE MECHANICAL DWGSNEW FIRE DAMPER
SEE MECHANICAL DWGSNEW FIRE DAMPER
SEE MECHANICAL DWGSNEW FIRE DAMPER
SEE MECHANICAL DWGSNEW FIRE DAMPER
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SEE MECHANICAL DWGSNEW FIRE DAMPER
SEE MECHANICAL DWGSNEW FIRE DAMPER
SEE MECHANICAL DWGS

DETAILS FIREPROOFING EXIST. DUCTS: EXIST. BLDG. UPGRADE

SCALE 3/4" = 1'-0"

SCALE 3/4" = 1'-0"

SCALE 3/4" = 1'-0"



DETAIL @ NURSE'S OFFICE (E2F-11)

SCALE: 3/8" = 1'-0"

SCALE: 3/8" = 1'-0"

SCALE: 3/8" = 1'-0"

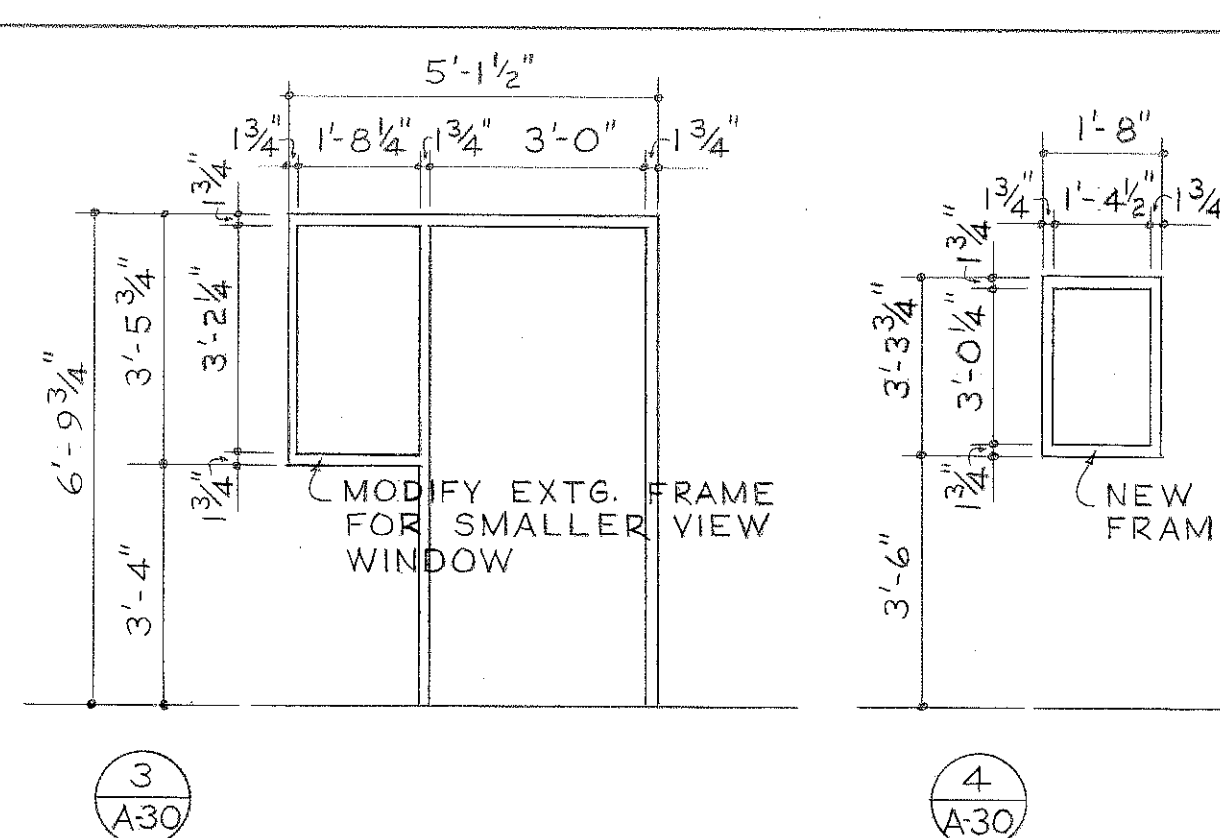
SCALE: 3/8" = 1'-0"

SCALE: 3/8" = 1'-0"

SCALE: 3/8" = 1'-0"

SCALE: 3/8" = 1'-0"

SCALE: 3/8" = 1'-0"



ELEVATIONS OF NURSERY VIEW WINDOWS

SCALE 3/8" = 1'-0"

SCALE 3/8" = 1'-0"

SCALE 3/8" = 1'-0"

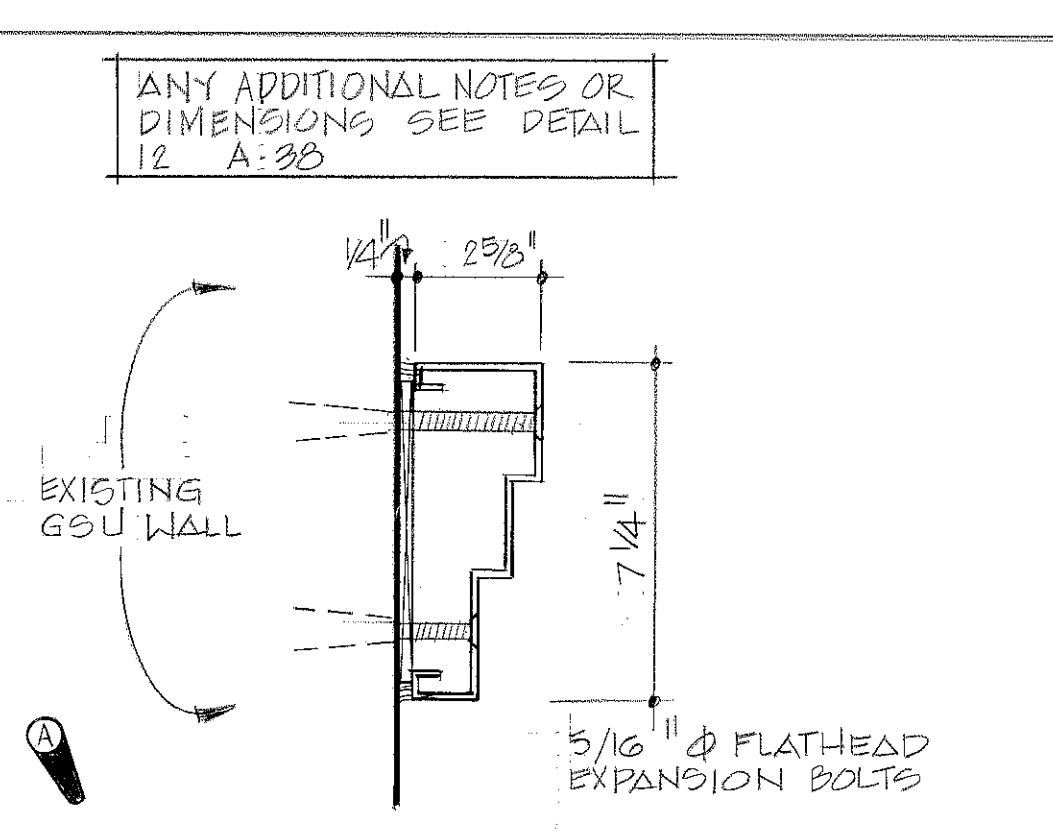
SCALE 3/8" = 1'-0"

SCALE 3/8" = 1'-0"

SCALE 3/8" = 1'-0"

SCALE 3/8" = 1'-0"

SCALE 3/8" = 1'-0"



DOOR FRAME DETAIL E2FC1B & C1A

SCALE 3/8" = 1'-0"

SCALE 3/8" = 1'-0"

SCALE 3/8" = 1'-0"

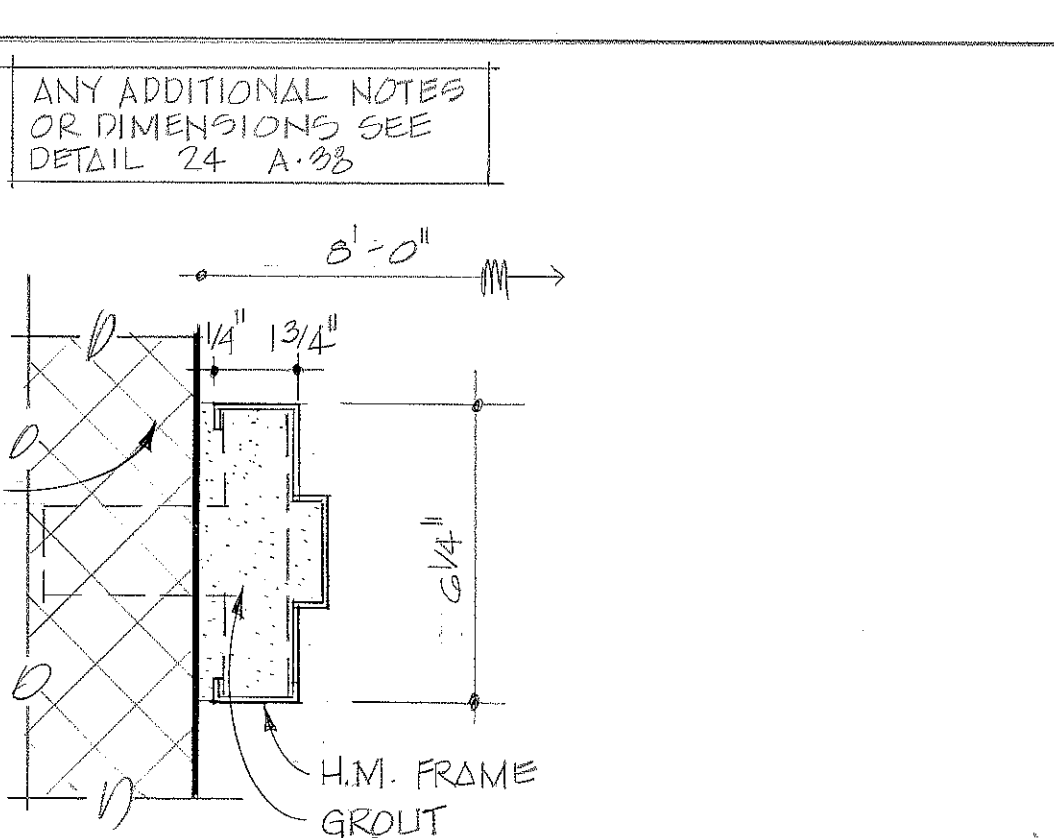
SCALE 3/8" = 1'-0"

SCALE 3/8" = 1'-0"

SCALE 3/8" = 1'-0"

SCALE 3/8" = 1'-0"

SCALE 3/8" = 1'-0"



DOOR FRAME DETAIL E2FC1B & C1D

SCALE 3/8" = 1'-0"

SCALE 3/8" = 1'-0"

SCALE 3/8" = 1'-0"

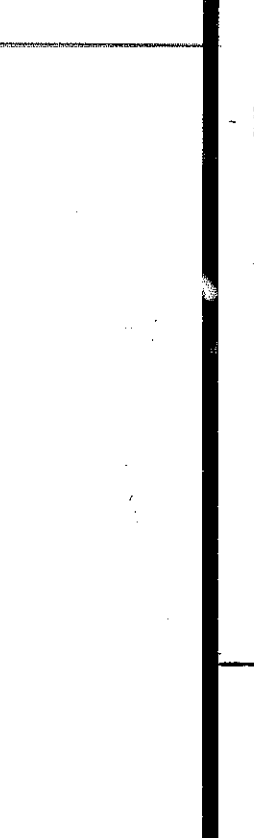
SCALE 3/8" = 1'-0"

SCALE 3/8" = 1'-0"

SCALE 3/8" = 1'-0"

SCALE 3/8" = 1'-0"

SCALE 3/8" = 1'-0"



KEY PLAN - SECOND FLOOR

SCALE 3/8" = 1'-0"

SCALE 3/8" = 1'-0"

SCALE 3/8" = 1'-0"

SCALE 3/8" = 1'-0"

SCALE 3/8" = 1'-0"

SCALE 3/8" = 1'-0"

SCALE 3/8" = 1'-0"

SCALE 3/8" = 1'-0"

TO SAVE A LIFE
YOU CAN'T BEAT SAFETY

A-30

ABREU & ROBESON INCORPORATED ARCHITECTS AND ENGINEERS ATLANTA, GEORGIA	U.S. ARMY ENGINEER DISTRICT, MOBILE CORPS OF ENGINEERS MOBILE, ALA.
ARCHITECTURAL	
SECOND FLOOR PLAN - BLOCK F	
SH. REF. NO. DACA01	SPEC. NO. 76-11-0057
SIZE 76-11-0057	FILE NO. 76-11-0057
DATE APRIL, 1976	SHEET 46

1" PLASTER
32 1/4" BLOCK
3/8"
1" PLASTER
3 ANCHORS/JAMB

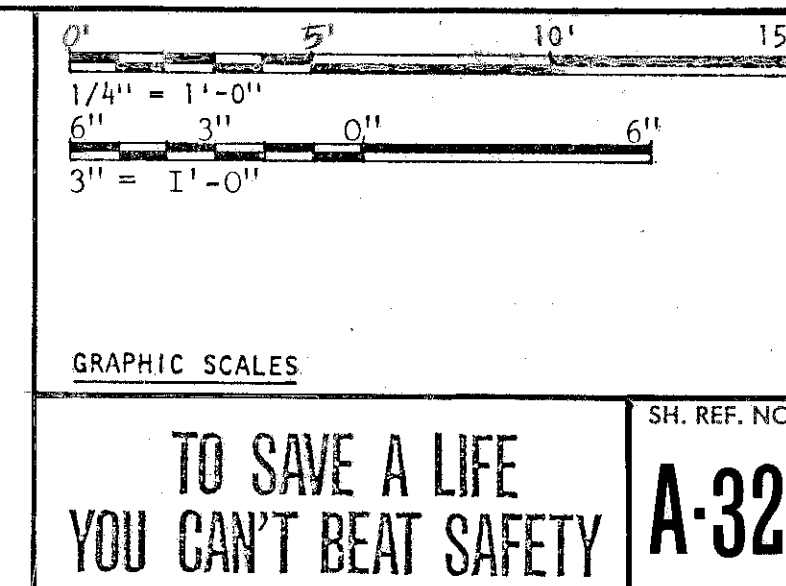
JAMB DETAIL 1
SCALE 3" = 1'-0"

DOOR E3-42B -
REMOVE CASING
OPENING FRAME.
HEAD DETAIL SIMILAR

1/4"
1/4" PLASTER BLOCK
1/4"

JAMB DETAIL 2
SCALE 3" = 1'-0"

NOTE: JAMB DETAIL 2
FOR DOORS E3-C7A
& E3-C2A ONLY.
SEE DETAIL 13
SHEET A-20 FOR
HEAD SECTION



ABREU & ROBESON INCORPORATED ARCHITECTS AND ENGINEERS ATLANTA, GEORGIA		U. S. ARMY ENGINEER DISTRICT, MOBILE CORPS OF ENGINEERS MOBILE, ALA.	
U.S. ARMY HOSPITAL. FORT McCLELLAN, ALABAMA			
ARCHITECTURAL			
THIRD FLOOR PLAN - BLOCK A			
SPEC. NO. DACA01 76-9-0057	SIZE	FILE NO. FMC-2- 48	
DRAWING NO. 32-02-03			
SCALE: AS SHOWN	DATE: APRIL, 1976	SHEET	48

DOOR SCHEDULE

DOOR NO.	DOOR SIZE			TYPE	FRAME	HARDWARE	DETAIL REFERENCE				LOCK SET	LETTERING	SOUND	REMARKS
	WIDTH	HEIGHT	THICKNESS				JAMB NO.	HEAD NO.	SHEET NO.	THRESH.				
1A 18B	2'-6"	7'-0"	1/2"	A	•	HW10	1	Δ-38	T-2			•		
1A 19A	3'-0"	7'-0"	1/2"	A	•	HW10	1,7	Δ-38	T-2		DOCTOR'S OFFICE NO. 2	•		
1A 20A	3'-0"	7'-0"	1/2"	A	•	HW 7	1,7	Δ-38	—		EXAM NO. 4	•		
1A 20B	2'-6"	7'-0"	1/2"	A	•	HW10	1	Δ-38	T-2			•		
1A 21A	3'-0"	7'-0"	1/2"	A	•	HW 7	1,7	Δ-38	—		EXAM NO. 5	•		
1A 22A	3'-0"	7'-0"	1/2"	A	•	HW10	1,7	Δ-38	T-2		DOCTOR'S OFFICE NO. 3	•		
1A 22B	2'-6"	7'-0"	1/2"	A	•	HW10	1	Δ-38	T-2			•		
1A 23A	3'-0"	7'-0"	1/2"	A	•	HW 7	1,7	Δ-38	—		EXAM NO. 6	•		
1A 23B	2'-6"	7'-0"	1/2"	A	•	HW10	1	Δ-38	T-2			•		
1A 24A	2'-6"	7'-0"	1/2"	A	•	HW 11	4	Δ-38	T-6			•		
1A 25A	3'-0"	7'-0"	1/2"	A	•	HW 7	1	Δ-38	T-2		STAFF	•		
1A 26A	3'-0"	7'-0"	1/2"	A	•	HW 7	1,7	Δ-38	—		WELL BABY EXAM NO. 2	•		
1A 27A	3'-0"	7'-0"	1/2"	A	•	HW 7	1,7	Δ-38	—		WELL BABY EXAM NO. 1	•		
1A 28A	3'-0"	7'-0"	1/2"	A	•	HW10	1,6	Δ-38	T-2		NURSE	•		
1A 30A	3'-0"	7'-0"	1/2"	B	•	HW19A	1	Δ-38	T-2			•		
1A 31A	3'-0"	7'-0"	1/2"	A	•	HW 5	1	Δ-38	—	7AA	CLEAN STORAGE		3/4 HR C LABEL	
1A 32A	3'-0"	7'-0"	1/2"	A	•	HW 7	1/Δ10	Δ-10	—		TREATMENT			
1A 33A	3'-0"	7'-0"	1/2"	E	•	HW 3	2	Δ-38	—	7AA	UTILITY		1/2 HR B LABEL	
1A C1A	3'-0"	7'-0"	1/2"	F	•	HW 1	2/Δ10	Δ-38	ΔB/Δ-38	KO			STOREFRONT	
1A C1B	PR2-10	7'-0"	1/2"	B	•	HW22	6	Δ-38	—	7AA	PEDIATRIC CLINIC			
1A C1C	PR2-10	7'-0"	1/2"	B	•	HW22	6	Δ-38	—	7AA	PEDIATRIC CLINIC			
1A C1D	PR2-10	7'-0"	1/2"	B	•	HW22	6	Δ-38	—	8AA	GENERAL PRACTICE CLINIC			
1A C4A	PR2-10	7'-0"	1/2"	N	•	HW21	6	Δ-38	—					
1A C4B	PR2-10	7'-0"	1/2"	N	•	HW21	6	Δ-38	—					
1B 1A	PR3-6	7'-8 1/4"	1/2"	F	•	HW2A	24/Δ38	Δ-38	ΔB/Δ-38	KO			AUTOMATIC DOORS	
1B 1B	PR3-6	7'-6 1/4"	1/2"	F	•	HW2B	47/Δ38	Δ-38	ΔB/Δ-38				AUTOMATIC DOORS	
1B 2A	3'-0"	7'-0"	1/2"	A	•	HW19A	1	Δ-38	—					
1B 4A	3'-0"	7'-0"	1/2"	U	•	HW 5	8	Δ-38	—	8AA	CLEAN LINEN		1/2 HR B LABEL	
1B 4B	3'-0"	7'-0"	1/2"	U	•	HW 5	8	Δ-38	—	8AA	CLEAN LINEN		1/2 HR B LABEL	
1B 5A	3'-0"	7'-0"	1/2"	A	•	HW 7	1,7	Δ-38	—		EXAM NO. 10	•		
1B 5B	2'-6"	7'-0"	1/2"	A	•	HW10	1	Δ-38	T-2			•		
1B 6A	3'-0"	7'-0"	1/2"	A	•	HW10	1,7	Δ-38	T-2		DOCTOR'S OFFICE NO. 4	•		
1B 7A	3'-0"	7'-0"	1/2"	A	•	HW 7	1,7	Δ-38	—		EXAM NO. 9	•		
1B 7B	2'-6"	7'-0"	1/2"	A	•	HW10	1	Δ-38	T-2			•		
1B 8A	3'-0"	7'-0"	1/2"	A	•	HW 7	1,7	Δ-38	—		EXAM NO. 8	•		
1B 8B	2'-6"	7'-0"	1/2"	A	•	HW10	1	Δ-38	T-2			•		
1B 9A	3'-0"	7'-0"	1/2"	A	•	HW 7	1,7	Δ-38	T-2		NURSE CLINICIAN	•		
1B 10A	3'-0"	7'-0"	1/2"	A	•	HW 7	1	Δ-38	—		EXAM NO. 7	•		
1B 10B	2'-6"	7'-0"	1/2"	A	•	HW10	1	Δ-38	T-2			•		
1B 11A	3'-0"	7'-0"	1/2"	A	•	HW 5	1	Δ-38	—	8AA	STORE ROOM		3/4 HR C LABEL	
1B 12A	3'-0"	7'-0"	1/2"	A	•	HW46	4	Δ-38	T-1	29AA	JANITOR	✓	3/4 HR C LABEL	
1B 13A	3'-0"	7'-0"	1/2"	A	•	HW15	1	Δ-38	T-2	8AA	IMMUNIZATION WAITING			
1B 13B	3'-0"	7'-0"	1/2"	A	•	HW16	1	Δ-38	T-2	8AA	IMMUNIZATION WAITING			
1B 14A	3'-0"	7'-0"	1/2"	A	•	HW16	1	Δ-38	—	8AA	IMMUNIZATION			
1B 14B	3'-0"	7'-0"	1/2"	A	•	HW 5	1	Δ-38	T-2	8AA				
1B 15A	3'-0"	7'-0"	1/2"	A	•	HW15	1	Δ-38	—	8AA	HOLDING			
1B 15B	3'-0"	7'-0"	1/2"	A	•	HW15	1	Δ-38	—	8AA				
1B 16A	3'-0"	7'-0"	1/2"	A	•	HW 7	1	Δ-38	—		EXAM NO. 6	•		
1B 16B	2'-6"	7'-0"	1/2"	A	•	HW10	1	Δ-38	T-2			•		
1B 17A	3'-0"	7'-0"	1/2"	A	•	HW10	1,7	Δ-38	T-2		DOCTOR'S OFFICE NO. 3	•		
1B 18A	3'-0"	7'-0"	1/2"	A	•	HW 7	1,7	Δ-38	—		EXAM NO. 5	•		
1B 18B	2'-6"	7'-0"	1/2"	A	•	HW10	1	Δ-38	T-2			•		
1B 19A	3'-0"	7'-0"	1/2"	A	•	HW 5	1	Δ-38	T-2	8AA	STAFF		3/4 HR C LABEL	
1B 19B	2'-6"	7'-0"	1/2"	A	•	HW11	4	Δ-38	T-6		WOMEN	•		
1B 21A	2'-6"	7'-0"	1/2"	A	•	HW16	4	Δ-38	T-4		MEN	•		
1B 22A	3'-0"	7'-0"	1/2"	A	•	HW 5	1,7	Δ-38	T-2	8AA	A.O.D.	•		
1B 23A	3'-0"	7'-0"	1/2"	A	•	HW 5	1,7	Δ-38	T-2	8AA	M.O.D.	•		
1B 24A	2'-6"	7'-0"	1/2"	A	•	HW16	4	Δ-38	T-6					
1B 24B	2'-6"	7'-0"	1/2"	A	•	HW16	4	Δ-38	T-6					
1B 25A	3'-0"	7'-0"	1/2"	A	•	HW 5	9	Δ-38	—		EMERGENCY ROOM		10'x10' VIEW - WINDOW	
1B 26A	3'-0"	7'-0"	1/2"	A	•	HW 7	1	Δ-38	T-2		EMERGENCY WAITING			
1B 26B	2'-6"	7'-0"	1/2"	A	•	HW16	4	Δ-38	T-4		TOILET			
1B 27A	3'-0"	7'-0"	1/2"	A	•	HW27	1	Δ-38	—		TREATMENT		10'x10' VIEW - WINDOW	
1B 28B	3'-0"	7'-0"	1/2"	A	•	HW19A	1,7	Δ-38	—		TREATMENT			
1B 30A	3'-0"	7'-0"	1/2"	J	•	HW 5	9	Δ-38	T-5	8AA	SOILED UTILITY		1/2 HR B LABEL	
1B 30B	3'-0"	7'-0"	1/2"	J	•	HW 5	9	Δ-38	T-5	8AA	SOILED UTILITY		1/2 HR B LABEL	
1B 31A	3'-0"	7'-0"	1/2"	A	•	HW 7	1,7	Δ-38	—		EXAM NO. 11	•		
1B 31B	2'-6"	7'-0"	1/2"	A	•	HW10	1	Δ-38	T-2			•		
1B 32A	3'-0"	7'-0"	1/2"	A	•	HW10	1,7	Δ-38	T-2		DOCTOR'S OFFICE NO. 5	•		
1B 33A	3'-0"	7'-0"	1/2"	A	•	HW 7	1	Δ-38	—		EXAM NO. 12	•		
1B 33B	2'-6"	7'-0"	1/2"	A	•	HW10	1	Δ-38	T-2			•		
1B 34A	3'-0"	7'-0"	1/2"	A	•	HW 7	1	Δ-38	—		EXAM NO. 13	•		
1B 35A	3'-0"	7'-0"	1/2"	A	•	HW 7	1,7	Δ-38	—		EXAM NO. 14	•		
1B 35B	2'-6"	7'-0"	1/2"	A	•	HW10	1	Δ-38	—			•		
1B 36	2'-6"	7'-0"	1/2"	A	•	HW10	1	Δ-38	T-2			•		
1B 36A	3'-0"	7'-0"	1/2"	A	•	HW10	1,7	Δ-38	T-2			•		
1B 37A	3'-0"	7'-0"	1/2"	B	•	HW19A	1	Δ-38	T-2			•		
1B 37B	3'-0"	7'-0"	1/2"	A	•	HW10	1	Δ-38	—			•		
1B 38A	3'-0"	7'-0"	1/2"	B	•	HW19A	1	Δ-38	T-2			•		
1B 39A	3'-0"	7'-0"	1/2"	A	•	HW 7	1,7	Δ-38	—		EXAM NO. 1	•		
1B 39B	2'-6"	7'-0"	1/2"	A	•	HW10	1	Δ-38	T-2			•		
1B 40A	3'-0"	7'-0"	1/2"	A	•	HW 7	1,7	Δ-38	T-2		DOCTOR'S OFFICE NO. 1	•		
1B 41A	3'-0"	7'-0"	1/2"	A	•	HW 7	1	Δ-38	—		EXAM NO. 2	•		
1B 41B	2'-6"	7'-0"	1/2"	A	•	HW10	1	Δ-38	T-2			•		
1B 42A	3'-0"	7'-0"	1/2"	A	•	HW 7	1	Δ-38	—		EXAM NO. 3	•		
1B 43A	3'-0"	7'-0"	1/2"	A	•	HW10	1,7	Δ-38	T-2		DOCTOR'S OFFICE NO. 2	•		
1B 43B	2'-6"	7'-0"	1/2"	A	•	HW10	1	Δ-38	T-2			•		
1B 44A	3'-0"	7'-0"	1/2"	A	•	HW 7	1,7	Δ-38	—		EXAM NO. 4	•		
1B 44B	2'-6"	7'-0"	1/2"	A	•	HW10	1	Δ-38	T-2			•		
1B 45A	3'-0"	7'-0"	1/2"	A	•	HW 5	1	Δ-38	T-2	8AA	NURSES STATION			
1B 46A	3'-0"	7'-0"	1/2"	B	•	HW27	1	Δ-38	—		PATIENT HOLDING			
1B C1A	PR2-10	7'-0"	1/2"	N	•	HW21	8	Δ-38	—					
1B C1A	PR2-10	7'-0"	1/2"	N	•	HW21	11	Δ-38	—					
1B C2A	PR2-10	7'-0"	1/2"	N	•	HW21	11	Δ-38	—					
1B C3A	PR2-10	7'-0"	1/2"	N	•	HW21	1	Δ-38	—					
1B C10A	PR3-10	7'-0"	1/2"	A	•	HW 5	15	Δ-38	—	8KOT	PHARMACY		3/4 HR C LABEL SMOKE DOOR	
1B C10B	PR3-10	7'-0"	1/2"	N	•	HW25A	11	Δ-38	—				3/4 HR LABEL SMOKE DOOR W/STRIP	
1B C10C	3'-10"	7'-0"	1/2"	A	•	HW 5	1	Δ-38	—	24AA	LABORATORY		3/4 HR C LABEL SMOKE DOOR W/STRIP	
1B C10D	PR2-10	7'-0"	1/2"	N	•	HW 5	8	Δ-38	—				3/4 HR C LABEL SMOKE DOOR	
1B C10E	PR3-0	7'-0"	1/2"	N	•	HW25	1	Δ-38	—	8AA	EMERGENCY			
1B C10F	PR3-10	7'-0"	1/2"	E	•	HW25A	8	Δ-38	—				1/	

DOOR SCHEDULE

DOOR NO.	WIDTH	HEIGHT	THICKNESS	TYPE	FRAME	HARDWARE	DETAIL REFERENCE	LOCK SET	LETTERING	SOUND	REMARKS
JAMB NO.	HEAD NO.	SHEET NO.	THRESH.								
IC 1A	3-0	7-10	•	F	•	HV1	20A/20B	1-05	20A/20B	KD	STOREFRONT
IC 1B	3-0	7-10	•	F	•	HV1A	20A/20B	1-05	20A/20B		STOREFRONT
IC 2A	3-0	7-0	•	A	•	HV16	10	A-38			TOILET
IC 6A	3-0	7-0	•	A	•	HV15	1	A-38	2AA		CLEAN LINEN
IC 7A	3-0	7-0	•	A	•	HV17	4	A-38	T-1		WHIRLPOOL
IC 8A	3-0	7-0	•	A	•	HV15	9	A-38	T-5	2AA	SERVICE
IC 10A	3-0	7-0	•	A	•	HV14	1	A-38	T-2		STAFF
IC 11A	2-6	7-0	•	A	•	HV11	4	A-38	T-2		
IC 12A	3-0	7-0	•	A	•	HV14	4	A-38	T-1	29AA	JANITOR
IC 13A	3-0	7-0	•	A	•	HV17	1	A-38			TREATMENT
IC 14A	3-0	7-0	•	A	•	HV15	1,7	A-38	T-2	2AA	CHIEF THERAPIST
IC 15A	3-0	7-0	•	J	•	HV15	4	A-38	T-4	15AA	CASE ROOM
IC 15B	3-0	7-0	•	A	•	HV15	4	A-38	T-4	15AA	CASE ROOM
IC 16AA	3-0	7-0	•	B	•	HV10	1,7	A-38	T-2		
IC 18A	3-0	7-0	•	A	•	HV10	1	A-38	T-2		NURSE STATION
IC 19A	3-0	7-0	•	A	•	HV10	1	A-38	T-2		CHIEF OF ORTHOPEDICS
IC 19B	3-0	7-0	•	A	•	HV10	1	A-38			
IC 20A	3-0	7-0	•	A	•	HV10	1	A-38	T-2		
IC 21A	3-0	7-0	•	A	•	HV17	1,7	A-38			EXAM NO. 1
IC 21B	3-0	7-0	•	A	•	HV10	1	A-38	T-2		EXAM NO. 2
IC 22A	3-0	7-0	•	A	•	HV17	1,7	A-38			EXAM NO. 3
IC 24A	3-0	7-0	•	A	•	HV17	1,7	A-38			EXAM NO. 3
IC 24B	2-6	7-0	•	A	•	HV10	1	A-38	T-2		
IC 25A	3-0	7-0	•	A	•	HV10	1,7	A-38	T-2		DOCTOR'S OFFICE NO. 1
IC 26A	3-0	7-0	•	A	•	HV17	1,7	A-38			EXAM NO. 4
IC 26B	2-6	7-0	•	A	•	HV10	1	A-38	T-2		
IC 27A	3-0	7-0	•	A	•	HV17	1,7	A-38			EXAM NO. 5
IC 27B	2-6	7-0	•	A	•	HV10	1	A-38	T-2		
IC 28A	3-0	7-0	•	A	•	HV10	1,7	A-38	T-2		DOCTOR'S OFFICE NO. 2
IC 29A	3-0	7-0	•	A	•	HV17	1,7	A-38			EXAM NO. 6
IC 29B	2-6	7-0	•	A	•	HV10	1	A-38	T-2		
IC 30A	3-0	7-0	•	A	•	HV14	4	A-38	T-1	29AA	JANITOR
IC 31A	2-6	7-0	•	A	•	HV11	4	A-38	T-4		
IC 32A	3-0	7-0	•	A	•	HV14	1	A-38	T-2		STAFF
IC 34A	3-0	7-0	•	A	•	HV15	1	A-38			ELECTRIC CLOSET
IC 36A	3-0	7-0	•	J	•	HV15	8	A-38			CLEAN LINEN
IC 37A	3-0	7-0	•	A	•	HV16	4	A-38	T-1		WOMEN
IC 38A	3-0	7-0	•	A	•	HV16	4	A-38	T-1		MEN
IC 39A	3-0	7-0	•	J	•	HV15	8	A-38			UTILITY
IC 39B	3-0	7-0	•	J	•	HV15	8	A-38			UTILITY
IC 40A	3-0	7-0	•	A	•	HV17	1,7	A-38			TREATMENT
IC 41A	3-0	7-0	•	E	•	HV15	8	A-38			PHYSICAL THERAPY
IC 41B	3-0	7-0	•	E	•	HV15	8	A-38			PHYSICAL THERAPY
IC 41C	3-0	7-0	•	E	•	HV15	8	A-38			PHYSICAL THERAPY
IC 42A	3-0	7-0	•	F	•	HV2	26	A-65	20A/20B	2AA	STOREFRONT
IC 42B	3-0	7-0	•	F	•	HV2	26	A-65	20A/20B	2AA	STOREFRONT
IC 43A	3-0	7-0	•	A	•	HV14	4	A-38	T-1	29AA	JANITOR
IC 43B	3-0	7-0	•	A	•	HV14	4	A-38	T-2		CHIEF OF CLINIC
IC 44A	3-0	7-0	•	A	•	HV10	1	A-38	T-2		
IC 45A	3-0	7-0	•	A	•	HV10	1,7	A-38			EXAM NO. 1
IC 45B	3-0	7-0	•	A	•	HV10	1,7	A-38			EXAM NO. 2
IC 46A	2-6	7-0	•	A	•	HV10	1	A-38	T-2		
IC 46B	2-6	7-0	•	A	•	HV10	1	A-38			EXAM NO. 2
IC 47A	3-0	7-0	•	A	•	HV11	4	A-38	T-6		MEN
IC 47B	3-0	7-0	•	A	•	HV16	4	A-38	T-4		WOMEN
IC 48A	3-0	7-0	•	A	•	HV17	1	A-38	T-2		STAFF
IC 49A	3-0	7-0	•	A	•	HV14	4	A-38	T-1	11AA	JANITOR
IC 10A	3-0	7-0	•	A	•	HV17	1	A-38			EXAM NO. 3
IC 10B	2-6	7-0	•	A	•	HV10	1	A-38	T-2		
IC 11A	3-0	7-0	•	A	•	HV10	1,7	A-38	T-2		DOCTOR'S OFFICE
IC 12A	3-0	7-0	•	A	•	HV17	1,7	A-38			EXAM NO. 4
IC 12B	2-6	7-0	•	A	•	HV10	1	A-38	T-2		
IC 13A	3-0	7-0	•	U	•	HV15	8	A-38			CLEAN LINEN
IC 14A	3-0	7-0	•	A	•	HV17	1	A-38			TREATMENT
IC 15A	3-0	7-0	•	J	•	HV14	8	A-38			UTILITY
IC 15B	3-0	7-0	•	J	•	HV14	8	A-38			UTILITY
IC 17A	3-0	7-0	•	B	•	HV10	1	A-38	T-2		
IC 20A	3-0	7-0	•	A	•	HV14	15	A-38	T-2	SKD7	INTERVIEW
IC 20B	3-0	7-0	•	A	•	HV14	1	A-38	T-2		
IC 22A	3-4	7-0	•	A	•	HV10	1	A-38			34 HR C LABEL SMOKE DOORS
IC 41A	3-0	7-0	•	N	•	HV14	13	A-38			
IC 41B	3-0	7-0	•	B	•	HV12	6	A-38			11AA O.B. GYN CLINIC
IC 41C	3-0	7-0	•	B	•	HV12	6	A-38			11AA O.B. GYN CLINIC
IC 44A	3-0	7-0	•	F	•	HV2	26	A-65	20A/20B	11AA	STOREFRONT
IC 51A	3-0	7-0	•	E	•	HV14	16	A-38/39			STAIR
IC 17B	3-0	7-0	•	A	•	HV14	4	A-38	T-2	11AA	
IC 33A	3-4	7-0	•	A	•	HV13	4	A-38			
IE 1A	3-0	7-0	•	F	•	HV1A	20	A-65	20A/20B	KD	STOREFRONT
IE 1B	3-0	7-0	•	F	•	HV1B	17	A-65	20A/20B		STOREFRONT
IE 2A	3-0	7-0	•	A	•	HV10	1,7	A-38			WEIGHTS & MEASURES
IE 4A	2-6	7-0	•	A	•	HV16	4	A-38	T-4		MEN
IE 5A	2-6	7-0	•	A	•	HV17	4	A-38	T-4		WOMEN
IE 6A	3-0	7-0	•	A	•	HV17	4	A-38	T-1		SPECIMEN LAB
IE 7A	3-0	7-0	•	A	•	HV10	1	A-38	T-2		NURSE
IE 8A	3-0	7-0	•	A	•	HV15	1	A-38	T-2	20AA	OUTPATIENTS RECORDS
IE 9A	3-0	7-0	•	A	•	HV17	1,7	A-38			EXAM NO. 5
IE 10A	3-0	7-0	•	A	•	HV10	1	A-14			SEE DETAIL NO. 1/A14
IE 11A	3-0	7-0	•	A	•	HV10	1,7	A-38	T-2		CLINIC NURSE
IE 11B	2-6	7-0	•	A	•	HV10	1	A-38	T-2		
IE 11C	2-6	7-0	•	A	•	HV10	1	A-38	T-2		
IE 12A	3-0	7-0	•	A	•	HV17	1	A-38			EXAM NO. 6
IE 13A	3-0	7-0	•	A	•	HV15	1	A-38	T-2	20AA	CENTRAL APPOINTMENTS
IE 14A	3-0	7-0	•	A	•	HV15	1	A-38			ELECTRIC CLOSET
IE 15A	2-6	7-0	•	A	•	HV11	4	A-38	T-6		
IE 16A	3-0	7-0	•	A	•	HV16	1	A-38	T-2	20AA	LOUNGE
IE 17A	3-0	7-0	•	A	•	HV16	1	A-38	T-2	20AA	CONFERENCE
IE 18A	3-0	7-0	•	A	•	HV16	1	A-38	T-2	20AA	NURSE
IE 19A	3-0	7-0	•	A	•	HV16	1,7	A-38		20AA	EXAM
IE 20A	3-0	7-0	•	A	•	HV15	1,7	A-38	T-2	20AA	
IE 20B	2-6	7-0	•	A	•	HV10	1	A-38			HOLLOW METAL
IE 20C	3-0	7-0	•	A	•	HV10	1	A-38			
IE 21A	3-0	7-0	•	A	•	HV15	1,7	A-38	T-2	20AA	CHIEF OF CLINICS

DOOR SCHEDULE

DOOR NO.	DOOR SIZE			THICKNESS 1 3/4" 1 3/8"	TYPE	FRAME		HARDWARE	DETAIL REFERENCE				LOCK SET	LETTERING	SOUND	REMARKS	X-235
	WIDTH	HEIGHT	HM			AL	JAMB NO.		HEAD NO.	SHEET NO.	THRESH.						
IE 22A	2'-6"	7'-0"	•	•	A	•	HV17	4	A-38	T-4		WOMEN					
IE 23A	2'-6"	7'-0"	•	•	A	•	HV17	4	A-38	T-4		MEN					
IE C1A	3'-0"	7'-0"	•	•	F	•	HV2	26	A-65	28A/28B	KD				STOREFRONT		
IE C1B	3'-2'-6"	7'-0"	•	•	N	•	HV21	6	A-38								
IF 1A	3'-0"	7'-0"	•	•	A	•	HV17	1	A-38	T-2		LOUNGE					
IF 2A	3'-0"	7'-0"	•	•	A	•	HV14	4	A-38	T-1	29AA	JANITOR			34 HR C LABEL		
IF 3A	2'-6"	7'-0"	•	•	A	•	HV11	4	A-38	T-6							
IF 4A	3'-0"	7'-0"	•	•	A	•	HV14	1	A-38	T-2		STAFF			34 HR C LABEL		
IF 5A	3'-0"	6'-8"	•	•	J	•	HV15	19	A-38/39		KD	FLAMMABLE STORAGE NO SMOKE			1 1/2 HR B LABEL		
IF 7A	2'-8"	6'-8"	•	•	L	•		1A15	A-15			OFFICE			VAULT DOOR		
IF 8A	3'-0"	7'-0"	•	•	A	•	HV10	1,7	A-38	T-2							
IF 9A	3'-0"	7'-0"	•	•	A	•	HV10	1,7	A-38	T-2		CHIEF PHARMACIST					
IF 13A	3'-0"	7'-0"	•	•	A	•	HV10	1	A-38	T-2		INTERVIEW					
IF 15A	3'-0"	7'-0"	•	•	A	•	HV17	1	A-38			BLOOD DRAWING					
IF 16A	3'-4"	7'-0"	•	•	U	•	HV15	8	A-38		24AA	BLOOD BANK			1 1/2 HR B LABEL SMOKE DOOR		
IF 17A	3'-0"	7'-0"	•	•	A	•	HV14	1	A-38						34 HR C LABEL		
IF 18A	3'-0"	7'-0"	•	•	N	•	HV17	4	A-38	T-4							
IF 18B	3'-0"	7'-0"	•	•	N	•	HV10	10	A-38								
IF 19A	3'-0"	7'-0"	•	•	N	•	HV17	4	A-38	T-1							
IF 20A	3'-0"	7'-0"	•	•	A	•	HV14	4	A-38	T-4					34 HR C LABEL		
IF 21A	3'-0"	7'-0"	•	•	A	•	HV15	1	A-38			ELECTRIC CLOSET			34 HR C LABEL		
IF 22A	2'-6"	7'-0"	•	•	A	•	HV11	4	A-38	T-4	29AA				34 HR C LABEL		
IF 23A	3'-0"	7'-0"	•	•	A	•	HV14	4	A-38	T-1	29AA	JANITOR			34 HR C LABEL		
IF 24A	3'-0"	7'-0"	•	•	A	•	HV15	1	A-38		24AA				34 HR C LABEL		
IF 25A	3'-0"	7'-0"	•	•	A	•	HV10	1	A-38	T-2		CHIEF OF MEDICAL LAB					
IF 26A	3'-0"	7'-0"	•	•	A	•	HV14	1	A-38	T-2					34 HR C LABEL		
IF 27A	3'-0"	7'-0"	•	•	A	•	HV10	1	A-38	T-2							
IF 28A	2'-6"	7'-0"	•	•	A	•	HV17	4	A-38	T-4		MEN					
IF 29A	2'-6"	7'-0"	•	•	A	•	HV17	4	A-38	T-4		WOMEN					
IF 30A	3'-0"	7'-0"	•	•	A	•	HV17	1	A-38			VENIPUNCTURE					
IF 30B	3'-0"	7'-0"	•	•	A	•	HV17	1	A-38								
IF 31A	3'-0"	7'-0"	•	•	A	•	HV17	1	A-38								
IF 31B	3'-0"	7'-0"	•	•	A	•	HV14	1	A-38								
IF C1A	3'-0"	7'-0"	•	•	A	•	HV15	15	A-38/39			PHARMACY			34 HR C LABEL		
IF C2A	3'-2'-6"	7'-0"	•	•	N	•	HV15	15	A-38						34 HR C LABEL		
IF C2B	3'-2'-6"	7'-0"	•	•	B	•	HV15	15	A-38			LABORATORY			SMOKE DOORS		
IF C2C	3'-0"	7'-0"	•	•	B	•	HV15	15	A-38			BLOOD LAB					
IF C2D	3'-0"	7'-0"	•	•	N	•	HV15	15	A-38								
IF C4A	3'-3'-10"	7'-0"	•	•	E	•	HV15	15	A-38						SMOKE DOORS		
IF C5A	3'-0"	7'-0"	•	•	A	•	HV14	1	A-38						1 1/2 HR B LABEL		
IF C5A	3'-0"	7'-0"	•	•	E	•	HV14	16	A-38/39						34 HR C LABEL		
IF C5B	3'-0"	7'-0"	•	•	E	•	HV14	16	A-38/39			STAIR UP			1 1/2 HR B LABEL		
IF C5B	3'-0"	7'-0"	•	•	E	•	HV14	16	A-38/39			STAIR DOWN			1 1/2 HR B LABEL		
IF C5B	3'-0"	7'-0"	•	•	A	•	HV15	1	A-38		29AA	EQUIPMENT STORAGE			34 HR C LABEL		
EIG 2A	3'-0"	7'-0"	•	•	A	•	HV15	1	A-38	T-2	29AA						
EIG 3A	3'-0"	7'-0"	•	•	A	•	HV15	1	A-38	T-2	29AA	CHIEF RADIOLOGIST					
EIG 3B	3'-0"	7'-0"	•	•	A	•	HV10	1	A-38								
EIG 4A	3'-0"	7'-0"	•	•	A	•	HV10	1	A-38								
EIG 5A	3'-0"	7'-0"	•	•	A	•	HV17	1	A-38			VIEWING					
EIG 5AA	3'-0"	6'-8"	•	•	A	•	HV15	15	A-38/39		29AA	ELECTRIC CLOSET			34 HR C LABEL		
EIG 6A	3'-0"	7'-0"	•	•	A	•	HV15	1	A-38		29AA	FILM FILES			34 HR C LABEL		
EIG 6B	3'-0"	7'-0"	•	•	A	•	HV15	1	A-38		29AA	FILM FILES			34 HR C LABEL		
EIG 7A	2'-6"	7'-0"	•	•	A	•	HV14	1	A-38						LIGHTPROOF		
EIG 7AA	3'-0"	7'-0"	•	•	A	•	HV14	1	A-38		KD	PROCESSING					
EIG 8A	3'-0"	7'-0"	•	•	A	•	HV14	1	A-38	T-2		STAFF			34 HR C LABEL		
EIG 9A	2'-6"	7'-0"	•	•	A	•	HV11	4	A-38	T-6	29AA						
EIG 10A	3'-0"	7'-0"	•	•	A	•	HV14	4	A-38	T-1	29AA	JANITOR			34 HR C LABEL		
EIG 11A	3'-0"	7'-0"	•	•	A	•	HV17	1	A-38			TOILETS					
EIG 12A	2'-6"	7'-0"	•	•	A	•	HV16	4	A-38	T-4		MEN					
EIG 13A	2'-6"	7'-0"	•	•	A	•	HV10	4	A-38	T-4		WOMEN					
EIG 14A	3'-0"	7'-0"	•	•	A	•	HV10	1	A-38			NCOIC					
EIG 17A	3'-0"	7'-0"	•	•	H	•	HV14	3	A-38			X-RAY NO.1			LEAD LINED		
EIG 17B	3'-0"	7'-0"	•	•	H	•	HV14	3	A-38			X-RAY NO.1			LEAD LINED		
EIG 26A	2'-6"	7'-0"	•	•	A	•	HV15	1	A-38		29AA	LINEN					
EIG 27A	3'-0"	7'-0"	•	•	H	•	HV14	3	A-38			X-RAY NO.2			LEAD LINED		
EIG 27B	3'-0"	7'-0"	•	•	H	•	HV14	3	A-38			X-RAY NO.2			LEAD LINED		
EIG 29A	3'-0"	7'-0"	•	•	H	•	HV14	3	A-38			FLUOROSCOPY NO.1			LEAD LINED		
EIG 29B	3'-0"	7'-0"	•	•	H	•	HV14	3	A-38			FLUOROSCOPY NO.1			LEAD LINED		
EIG 30A	2'-6"	7'-0"	•	•	A	•	HV11	4	A-38	T-4		TOILET					
EIG 31A	2'-6"	7'-0"	•	•	A	•	HV11	4	A-38	T-4		TOILET					
EIG 36A	2'-6"	7'-0"	•	•	A	•	HV15	1	A-38		29AA	LINEN					
EIG 40A	3'-0"	7'-0"	•	•	H	•	HV14	3	A-38			FLUOROSCOPY NO.2			LEAD LINED		
EIG 40B	3'-0"	7'-0"	•	•	H	•	HV14	3	A-38			FLUOROSCOPY NO.2			LEAD LINED		
EIG 41A	2'-6"	7'-0"	•	•	A	•	HV15	1	A-38		29AA	LINEN					
EIG 43A	3'-0"	6'-8"	•	•	A	•	HV15	15	A-38/39	T-2	29AA	CHAPLAIN					
EIG 43B	3'-0"	6'-8"	•	•	A	•	HV16	15	A-38/39	T-4		MEN					
EIG 44A	3'-0"	6'-8"	•	•	A	•	HV16	15	A-38/39	T-4		WOMEN					
EIG 47A	3'-0"	6'-8"	•	•	A	•	HV16	15	A-38/39	T-4		RECREATION					
EIG 48A	3'-0"	6'-8"	•	•	A	•	HV16	15	A-38/39	T-4							
EIG 48B	3'-0"	6'-8"	•	•	A	•	HV16	15	A-38/39	T-4							
EIG 49A	3'-0"	6'-8"	•	•	A	•	HV16	15	A-38/39	T-4							
EIG 50A	3'-0"	6'-8"	•	•	A	•	HV16	15	A-38/39	T-4							
EIG 51A	2'-6"	7'-0"	•	•	A	•	HV11	4	A-38	T-4		JANITOR			34 HR C LABEL		
EIG 52A	3'-0"	6'-8"	•	•	A	•	HV15	15	A-38/39	T-1	29AA	VENDING			34 HR C LABEL		
EIG 53A	3'-0"	6'-8"	•	•	J	•	HV15	15	A-38/39		KD				34 HR C LABEL		
EIG 53B	2'-6"	6'-8"	•	•	J	•	HV16	EXIST.	EXIST.	EXIST.		MEN			1 1/2 HR B LABEL NEW DOOR		
EIG 54A	2'-6"	6'-8"	•	•	J	•	HV16	EXIST.	EXIST.	EXIST.		WOMEN			1 1/2 HR B LABEL NEW DOOR		
EIG 55A	3'-0"	6'-8"	•	•	A	•	HV15	15	A-38/39		29AA	STORAGE			34 HR C LABEL		
EIG 57A	NOT USED																
EIG 57B	2'-0"	6'-8"	•	•	A	•	HV15	15	A-38/39		29AA	MAIL ROOM			34 HR C LABEL HOLLOW METAL		
EIG 61A	3'-0"	6'-8"	•	•	A	•	HV15	15	A-38/39		29AA	CLASSROOM					
EIG 62A	3'-0"	6'-8"	•	•	A	•	HV15	15	A-38/39		29AA	MEDITATION					
EIG 61A	3'-0"	7'-0"	•	•	N	•	HV15	15	A-38		29AA				34 HR C LABEL		
EIG 63A	3'-0"	7'-0"	•	•	N	•	HV17	1	A-38			DRESSING ROOM					
EIG 64A	3'-0"	7'-0"	•	•	N	•	HV17	1	A-38			DRESSING ROOM					
EIG 65A	3'-0"	7'-0"	•	•	N	•	HV15	1	A-38		29AA	RADIOLOGY			34 HR C LABEL		
EIG 66A	3'-0"	7'-0"	•	•	F	•		EXIST.				EXISTING DOORS					
EIG 67A	3'-0"	6'-8"	•	•	J	•	HV15	15	A-38/39			1 1/2 HR B LABEL SMOKE DOOR					
EIG 68A	3'-0"	6'-8"	•	•	J	•	HV15	15	A-38/39			1 1/2 HR B LABEL					
EIG 69A	3'-0"	6'-8"	•	•	J	•	HV15	15	A-38/39			1 1/2 HR B LABEL REPLACE DOOR					
EIG 70A	3'-0"	6'-8"	•	•	J	•	HV15	15	A-38/39			EXISTING TO REMAIN					
EIG 71A	3'-0"	6'-8"	•	•	J	•	HV15	15	A-38/39			1 1/2 HR B LABEL REPLACE DOOR					
EIG 72A	3'-0"	6'-8"	•	•	J	•	HV15	15	A-38/39								
EIG 73A	3'-0"	6'-8"	•	•	J	•	HV15	15	A-38/39								
EIG 74A	3'-0"	6'-8"	•	•	J	•	HV15	15	A-38/39								
EIG 75A	3'-0"	6'-8"	•	•	J	•	HV15	15	A-38/39								
EIG 76A	3'-0"	6'-8"	•	•	J	•	HV15	15	A-38/39								
EIG 77A	3'-0"	6'-8"	•	•	J	•	HV15	15	A-38/39								
EIG 78A	3'-0"	6'-8"	•	•	J	•	HV15	15	A-38/39								
EIG 79A	3'-0"																

DOOR SCHEDULE

DOOR SCHEDULE

DOOR NO.	DOOR SIZE			TYPE	FRAME	HARDWARE	DETAIL REFERENCE				LOCK SET	LETTERING	SOUND	REMARKS
	WIDTH	HEIGHT	THICKNESS				JAMB NO.	HEAD NO.	SHEET NO.	THRESH.				
EIH 4A	3-0	6-8	•	A	•	HV2	29	4	A-38/39	T-2	17 AA	OFFICE		
EIH 5A	3-0	6-8	•	A	•	HV2	29	4	A-38/39	T-2	17 AA	REGISTRAR		
EIH 6A	3-0	6-8	•	A	•	HV1G	1		A-38					
EIH 7A	3-0	6-8	•	A	•	HV1H	5		A-17/A-30	T-2				
EIH 8A	3-0	6-8	•	A	•	HV2	EXST.				21 AA	U.S. MEDICAL HOLDING COMPANY	REPLACE EXISTING DOOR	
EIH 9A	3-0	6-8	•	A	•	HV2	EXST.				21 AA	DECEASED AFFAIRS	REPLACE EXISTING DOOR	
EIH 10A	3-0	6-8	•	A	•	HV2	EXST.				41 AA	CONSULTATION	REPLACE EXISTING DOOR	
EIH 11A	3-0	6-8	•	A	•	HV2	EXST.				41 AA	DIRECTOR	REPLACE EXISTING DOOR	
EIH 12A	3-0	6-8	•	A	•	HV2	EXST.				41 AA	VOLUNTEERS	REPLACE EXISTING DOOR	
EIH 13A	3-0	7-10	•	C	•	HV20	24	25	A-65	19/A-65	54/D-14			
EIH 14A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA	DICTATING & STENO.		
EIH 15A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA	MEDICAL RECORDS		
EIH 16A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA	MEDICAL LIBRARY		
EIH 17A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 18A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 19A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 20A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 21A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 22A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 23A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 24A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 25A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 26A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 27A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 28A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 29A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 30A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 31A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 32A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 33A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 34A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 35A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 36A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 37A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 38A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 39A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 40A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 41A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 42A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 43A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 44A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 45A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 46A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 47A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 48A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 49A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 50A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 51A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 52A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 53A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 54A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 55A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 56A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 57A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 58A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 59A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 60A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 61A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 62A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 63A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 64A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 65A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 66A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 67A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 68A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 69A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 70A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 71A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 72A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 73A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 74A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 75A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 76A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 77A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 78A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 79A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 80A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 81A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 82A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 83A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 84A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 85A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 86A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 87A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 88A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 89A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 90A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 91A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 92A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 93A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 94A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 95A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 96A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 97A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 98A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 99A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			
EIH 100A	3-0	7-0	•	A	•	HV5	1		A-38	T-2	17 AA			

DOOR NO.	DOOR SIZE			TYPE	FRAME	HARDWARE	DETAIL REFERENCE				LOCK SET	LETTERING	SOUND	REMARKS
	WIDTH	HEIGHT	THICKNESS				JAMB NO.	HEAD NO.	SHEET NO.	THRESH.				
2A 14A	3'-0"	7'-0"	•	A	•	HV7	17		A-38	—		VISUAL FIELD	•	
2A 15A	3'-0"	7'-0"	•	A	•	HV10	1		A-38	T-2		NURSE	•	
2A 16A	3'-0"	7'-0"	•	U	•	HV28	8	Ⓐ	A-38	—	30AA	CLEAN LINEN		1 1/2 HR. B LABEL
2A 17A	3'-10"	7'-0"	•	A	•	HV7	1	Ⓐ	A-38	—		TREATMENT		
2A 18A	2'-6"	7'-0"	•	A	•	HV11	4	Ⓐ	A-38	T-4	29AA	JANITOR		3/4 HR. C LABEL
2A 19A	3'-0"	7'-0"	•	A	•	HV46	4		A-38	T-1		RECOVERY		
2A 20A	3'-10"	7'-0"	•	A	•	HV7	17		A-38	—		EYE TREATMENT		
2A 21A	3'-10"	7'-0"	•	A	•	HV7	17		A-38	—		OPHTHALMOLOGIST	•	
2A 24A	3'-0"	7'-0"	•	A	•	HV7	17		A-38	—		EYE EXAM	•	
2A 25A	3'-0"	7'-0"	•	A	•	HV7	17		A-38	T-2		OPTOMETRY NO. 1	•	
2A 26A	3'-0"	7'-0"	•	A	•	HV7	17		A-38	T-2		OPTOMETRY NO. 2	•	
2A 27A	3'-0"	7'-0"	•	A	•	HV7	17	Ⓐ	A-38	—	Ⓐ	EXAM. NO. 3	•	
2A 29A	3'-2 1/2"	7'-0"	•	E	•	HV28	8		A-38	—	30AA			1 1/2 HR. B LABEL
2B 2A	3'-0"	7'-0"	•	A	•	HV5	1		A-38	T-2	KD			
2B 3A	2'-6"	7'-0"	•	A	•	HV11	4		A-38	T-4				
2B 4A	3'-0"	7'-0"	•	A	•	HV7	1		A-38	—	Ⓐ	EKG	•	
2B 5A	3'-0"	7'-0"	•	A	•	HV5	17		A-38	T-2	51AA	CHIEF OF MEDICINE		
2B 6A	3'-0"	7'-0"	•	A	•	HV5	17		A-38	T-2	51AA		•	
2B 6B	2'-6"	7'-0"	•	A	•	HV6	1	Ⓐ	A-38	—	51AA		•	
2B 6C	2'-6"	7'-0"	•	A	•	HV6	1	Ⓐ	A-38	T-2	51AA		•	
2B 7A	3'-0"	7'-0"	•	A	•	HV7	17		A-38	—		EXAM. NO. 4		
2B 7B	2'-6"	7'-0"	•	A	•	HV10	1		A-38	—				
2B 8A	3'-0"	7'-0"	•	A	•	HV17	1		A-38	—		EXAM. NO. 5		
2B 9A	2'-6"	7'-0"	•	A	•	HV16	4		A-38	T-4				
2B 10A	3'-0"	7'-0"	•	A	•	HV18	1		A-38	T-2		STAFF		3/4 HR. C LABEL
2B 11A	3'-0"	7'-0"	•	A	•	HV17	17		A-38	—		EXAM. NO. 6		
2B 12A	3'-0"	7'-0"	•	A	•	HV10	17		A-38	T-2		DOCTOR'S OFFICE NO. 1		
2B 12B	2'-6"	7'-0"	•	A	•	HV10	1		A-38	T-2				
2B 12C	2'-6"	7'-0"	•	A	•	HV10	1		A-38	T-2				
2B 15A	3'-0"	7'-0"	•	A	•	HV7	17		A-38	—	Ⓐ	EXAM. NO. 7	•	
2B 14A	3'-0"	7'-0"	•	A	•	HV5	17		A-38	T-2	52AA	CHIEF SURGEON		
2B 15A	3'-0"	7'-0"	•	A	•	HV5	17		A-38	T-2	52AA		•	
2B 15B	2'-6"	7'-0"	•	A	•	HV10	1	Ⓐ	A-38	—	52AA		•	
2B 15C	2'-6"	7'-0"	•	A	•	HV6	1	Ⓐ	A-38	T-2	52AA		•	
2B 16A	3'-0"	7'-0"	•	A	•	HV7	17		A-38	—		EXAM. NO. 8	•	
2B 17A	3'-0"	7'-0"	•	E	•	HV28	8		A-38	—	30AA	UTILITY		1 1/2 HR. B LABEL
2B 18A	3'-0"	7'-0"	•	A	•	HV7	1		A-38	—		EXAM. NO. 9	•	
2B 18B	2'-6"	7'-0"	•	A	•	HV10	1	Ⓐ	A-38	T-2	Ⓐ		•	
2B 19A	3'-0"	7'-0"	•	A	•	HV10	1		A-38	T-2		DOCTOR'S OFFICE NO. 2	•	
2B 20A	3'-0"	7'-0"	•	A	•	HV7	1		A-38	—		EXAM. NO. 10	•	
2B 20B	2'-6"	7'-0"	•	A	•	HV10	1		A-38	T-2			•	
2B 21A	3'-0"	7'-0"	•	A	•	HV7	1	Ⓐ	A-38	—	Ⓐ	EXAM. NO. 11	•	
2B 22A	3'-0"	7'-0"	•	A	•	HV10	17		A-38	T-2		DOCTOR'S OFFICE NO. 3	•	
2B 22B	2'-0"	7'-0"	•	A	•	HV10	1		A-38	T-2			•	
2B 22C	2'-0"	7'-0"	•	A	•	HV10	1		A-38	T-2			•	
2B 23A	3'-0"	7'-0"	•	A	•	HV7	17		A-38	—		EXAM. NO. 12	•	
2B 23A	3'-0"	7'-0"	•	A	•	HV7	17		A-38	—		EXAM. NO. 13	•	
2B 23B	2'-6"	7'-0"	•	A	•	HV10	1	Ⓐ	A-38	T-2	Ⓐ		•	
2B 24A	3'-0"	7'-0"	•	A	•	HV10	17		A-38	T-2		DOCTOR'S OFFICE NO. 4	•	
2B 27A	3'-0"	7'-0"	•	A	•	HV7	1		A-38	—		EXAM. NO. 14	•	
2B 27B	2'-6"	7'-0"	•	A	•	HV10	1		A-38	T-2			•	
2B 28A	3'-0"	7'-0"	•	A	•	HV7	4		A-38	T-4		PROCTO	•	
2B 29A	2'-6"	7'-0"	•	A	•	HV11	10		A-38	T-4			•	
2B 31A	3'-2 1/2"	7'-0"	•	N	•	HV51	11		A-38	—	Ⓐ			
2B 32A	3'-2 1/2"	7'-0"	•	E	•	HV28	8		A-38	—	30AA	CLINICS		1 1/2 HR. B LABEL
2C 1A	3'-0"	7'-0"	•	A	•	HV10	17		A-38	T-2		SECRETARY & WAITING		
2C 2A	3'-0"	7'-0"	•	A	•	HV10	17		A-38	T-2		CHIEF	•	
2C 2B	2'-6"	7'-0"	•	A	•	HV10	1		A-38	—			•	
2C 3A	3'-0"	7'-0"	•	A	•	HV10	1		A-38	T-2		NCOIC		
2C 4A	3'-0"	7'-0"	•	A	•	HV7	1		A-38	—		DENTAL TREATMENT NO. 1		CASED OPENING - OMIT STOP
2C 4B	2'-6"	7'-0"	•				1		A-27	—				
2C 5A	3'-0"	7'-0"	•	A	•	HV7	1		A-38	—		DENTAL TREATMENT NO. 2		CASED OPENING - OMIT STOP
2C 5B	2'-6"	7'-0"	•				1		A-27	—				
2C 6A	3'-0"	7'-0"	•	A	•	HV7	1		A-38	—		DENTAL TREATMENT NO. 3		
2C 7A	3'-0"	7'-0"	•	A	•	HV10	1		A-38	—		LABORATORY		
2C 8A	2'-6"	7'-0"	•	A	•	HV16	4		A-38	T-2				
2C 9A	3'-0"	7'-0"	•	A	•	HV18	1, 5		A-38	T-2		STAFF		3/4 HR. C LABEL
2C 10A	2'-6"	7'-0"	•	A	•	HV10	1		A-38	T-2		WOMEN		
2C 11A	2'-6"	7'-0"	•	A	•	HV10	1		A-38	T-2		MEN		
2C 12A	3'-0"	7'-0"	•	A	•	HV7	4		A-38	—		ORAL SURGERY NO. 1		
2C 13A	3'-0"	7'-0"	•	A	•	HV10	4		A-38	T-4				
2C 14A	3'-0"	7'-0"	•	A	•	HV7	4		A-38	—		ORAL SURGERY NO. 2		
2C 15A	2'-6"	7'-0"	•	A	•	HV11	4		A-38	T-4				
2C 16A	3'-0"	7'-0"	•	A	•	HV7	1		A-38	—		ORAL HYGIENE		
2C 16A	3'-0"	7'-0"	•	A	•	HV16	4		A-38	T-4		WOMEN		
2C 19A	3'-0"	7'-0"	•	A	•	HV10	1		A-38	T-2		RECEPTION & RECORDS		
2C 20A	3'-0"	7'-0"	•	A	•	HV16	4	Ⓐ	A-38	T-4				
2C 21A	2'-6"	7'-0"	•	A	•	HV46	1		A-38	T-1	29AA	JANITOR		3/4 HR. C LABEL
2C 22A	3'-0"	7'-0"	•	H	•	HV14	1		A-38	—	KD	X RAY		LEAD LINED
2C 23A	3'-0"	7'-0"	•	H	•	HV16	1		A-38	—				LEAD LINED - LIGHTPROOF
2C 24A	3'-0"	7'-0"	•	A	•	HV28	1		A-38	—	Ⓐ			3/4 HR. C LABEL
2C 25A	3'-0"	7'-0"	•	A	•	HV18	1		A-38	—	Ⓐ			3/4 HR. C LABEL
2C 26A	3'-10"	7'-0"	•	A	•	HV7	1		A-38	—	Ⓐ			
2C 27A	3'-10"	7'-0"	•	C	•	HV28	10	2	A-38/38	T-2	30AA	MECHANICAL ROOM	•	3/4 HR. C LABEL
2C 28A	3'-0"	7'-0"	•	B	•	HV10	1		A-38	—				
2C 29A	3'-2 1/2"	7'-0"	•	N	•	HV18	1		A-38	—	25AA	CENTRAL STERILE SUPPLY		3/4 HR. C LABEL
2C 29B	3'-10"	7'-0"	•	K	•	HV18	10		A-38	—				
2C 29C	3'-6"	7'-0"	•	N	•	HV18	4		A-38	—				
2C 30A	2'-0"	7'-0"	•	C	•	HV10	4		A-38	T-1				3/4 HR. C LABEL
2C 30B	2'-0"	7'-0"	•	C	•	HV10	4		A-38	T-1				
2C 30C	2'-0"	7'-0"	•	C	•	HV5	1		A-38	—	25AA			
2C 31A	3'-2 1/2"	7'-0"	•	N	•	HV18	4, 5		A-38	T-4	25AA	DE CONTAMINATION		3/4 HR. C LABEL
2C 31A	3'-6"	7'-0"	•	K	•	HV10	10		A-38	—	Ⓐ			
2C 32A	3'-0"	7'-0"	•	A	•	HV46	10		A-38	T-1	29AA	JANITOR		3/4 HR. C LABEL
2C 33A	3'-0"	7'-0"	•	A	•	HV18	10		A-38	—				3/4 HR. C LABEL
2C 34A	3'-0"	7'-0"	•	A	•	HV18	4		A-38	T-4	Ⓐ			3/4 HR. C LABEL
2C 35A	3'-0"	7'-0"	•	A	•	HV46	4		A-38	T-1	29AA	JANITOR		3/4 HR. C LABEL
2C 36A	2'-6"	7'-0"	•	A	•	HV16	4		A-38	—	Ⓐ			
2C 37A	3'-2 1/2"	7'-0"	•	B	•	HV28	6		A-38	—	Ⓐ	DENTAL CLINIC		
2C 38A	3'-2 1/2"	7'-0"	•	B	•	HV28	6		A-38	—	Ⓐ	DENTAL CLINIC		

DOOR SCHEDULE

DOOR NO.	DOOR SIZE			TYPE	FRAME		HARDWARE	DETAIL REFERENCE#				LOCK SET	LETTERING	SOUND	REMARKS
	WIDTH	HEIGHT	THICKNESS 1 3/4" x 3/8"		HM	AL		JAMB NO.	HEAD NO.	SHEET NO.	THRESH.				
E26 9A	3-10	6-8	•	A	•	HW12	EXIST								REPLACE DOOR IN EXTC FRAME
E26 9D															EXISTING
E26 12A	3-10	6-8	•	A	•	HW12	EXIST								REPLACE DOOR IN EXTC FRAME
E26 12B															EXISTING
E26 13A	3-10	6-8	•	A	•	HW12	EXIST								REPLACE DOOR IN EXTC FRAME
E26 13B															EXISTING
E26 16A	3-10	6-8	•	A	•	HW12	EXIST								REPLACE DOOR IN EXTC FRAME
E26 16B															EXISTING
E26 17A	3-10	6-8	•	A	•	HW12	EXIST								REPLACE DOOR IN EXTC FRAME
E26 17B															EXISTING
E26 19A	3-10	6-8	•	A	•	HW12	EXIST								REPLACE DOOR IN EXTC FRAME
E26 21A	3-10	6-8	•	A	•	HW12	EXIST								REPLACE DOOR IN EXTC FRAME
E26 21B															EXISTING
E26 24A	3-10	6-8	•	A	•	HW12	EXIST								REPLACE DOOR IN EXTC FRAME
E26 24B															EXISTING
E26 25A	3-10	6-8	•	A	•	HW12	EXIST								REPLACE DOOR IN EXTC FRAME
E26 25B															EXISTING
E26 28A	3-10	6-8	•	A	•	HW12	EXIST								REPLACE DOOR IN EXTC FRAME
E26 28B															EXISTING
E26 29A	3-10	6-8	•	A	•	HW12	EXIST								REPLACE DOOR IN EXTC FRAME
E26 29B															EXISTING
E26 31A	2-6	6-8	•	A	•	HW16	EXIST					WOMEN			REPLACE DOOR IN EXTC FRAME
E26 31B	2-8	6-8	•	B	•	HW19A	EXIST								REPLACE DOOR IN EXTC FRAME
E26 33A	3-0	6-8	•	A	•	HW19A	EXIST					EXAM			REPLACE DOOR IN EXTC FRAME
E26 33B															EXISTING
E26 34A	2-8	6-8	•	J	•	HW19A	EXIST					UTILITY			1/2 HR B LABEL-REPLACE EXISTING
E26 34B	2-8	6-8	•	J	•	HW19A	EXIST					UTILITY			1/2 HR B LABEL-REPLACE EXISTING
E26 35A	3-6	6-8	•	A	•	HW 7	EXIST	4	A-30/33	—		PANTRY			NEW DOOR & FRAME
E26 36A	3-0	6-8	•	J	•	HW19A	EXIST					SOILED LINEN			1/2 HR B LABEL-REPLACE EXISTING
E26 37A	3-0	6-8	•	A	•	HW19A	EXIST					CLEAN LINEN			1/2 HR C LABEL-REPLACE EXISTING
E26 38A	2-6	6-8	•	A	•	HW16	EXIST					SHOWER			REPLACE DOOR IN EXTC FRAME
E26 38B	2-6	6-8	•	A	•	HW16	EXIST					SHOWER			REPLACE DOOR IN EXTC FRAME
E26 40A	2-6	6-8	•	A	•	HW16	EXIST					SHOWER			REPLACE DOOR IN EXTC FRAME
E26 41A	2-6	6-8	•	A	•	HW16	EXIST					SHOWER			REPLACE DOOR IN EXTC FRAME
E26 42A	2-6	6-8	•	A	•	HW16	EXIST					BATH			REPLACE DOOR IN EXTC FRAME
E26 43A	2-6	6-8	•	A	•	HW16	EXIST					TOILET			REPLACE DOOR IN EXTC FRAME
E26 44A	2-6	6-8	•	A	•	HW16	EXIST					BATH			REPLACE DOOR IN EXTC FRAME
E26 C16	R2-6	6-8	•	B	•	HW26	EXIST					—			REPLACE DOOR IN EXTC FRAME
E26 C9B	R2-6	6-8	•	B	•	HW26	EXIST					—			REPLACE DOOR IN EXTC FRAME
E26 53A	3-10	6-8	•	E	•	HW17A	EXIST					STAIR			1/2 HR B LABEL-REPLACE EXISTING
P-1A	3-0	7-0	•	C	•	HW-57	10/GT	9/GT		11/GT	KD				REPLACE DOOR IN EXTC FRAME
E3 1A	3-10	6-8	•	A	•	HW12	EXIST								EXISTING
E3 1B															REPLACE DOOR IN EXTC FRAME
E3 3A	3-10	6-8	•	A	•	HW12	EXIST								EXISTING
E3 3B															REPLACE DOORS IN EXTC FRAME
E3 4A	R2-4	6-8	•	A	•	HW44	EXIST				27AA				REPLACE DOOR IN EXTC FRAME
E3 5AA	2-6	6-8	•	A	•	HW10	EXIST								REPLACE DOOR IN EXTC FRAME
E3 7A	3-10	6-8	•	A	•	HW12	EXIST								REPLACE DOOR IN EXTC FRAME
E3 7B															EXISTING
E3 8A	3-10	6-8	•	A	•	HW12	EXIST								REPLACE DOOR IN EXTC FRAME
E3 8B															EXISTING
E3 11A	3-10	6-8	•	A	•	HW12	EXIST								REPLACE DOOR IN EXTC FRAME
E3 11B															EXISTING
E3 13A	3-10	6-8	•	A	•	HW12	EXIST								REPLACE DOOR IN EXTC FRAME
E3 13B															EXISTING
E3 14A	3-10	6-8	•	A	•	HW12	EXIST								REPLACE DOOR IN EXTC FRAME
E3 14B															EXISTING
E3 17A	3-10	6-8	•	A	•	HW12	EXIST								REPLACE DOOR IN EXTC FRAME
E3 17B															EXISTING
E3 18A	3-10	6-8	•	A	•	HW12	EXIST								REPLACE DOOR IN EXTC FRAME
E3 18B															EXISTING
E3 20A	2-6	6-8	•	A	•	HW16	EXIST					MEN			REPLACE DOOR IN EXIST FRAME
E3 21A	2-6	6-8	•	A	•	HW16	EXIST					WOMEN			REPLACE DOOR IN EXIST FRAME
E3 22A	3-10	6-8	•	A	•	HW17	EXIST					WAITING			REPLACE DOOR IN EXIST FRAME
E3 24A	2-0	6-8	•	A	•	HW10	EXIST								REPLACE DOOR IN EXIST FRAME
E3 26A	3-10	6-8	•	N	•	HW12A	EXIST					KD*			REPLACE DOOR IN EXIST FRAME
E3 26B															EXISTING
E3 26C															EXISTING
E3 28A	3-10	6-8	•	N	•	HW12A	EXIST					KD			REPLACE DOOR IN EXTC FRAME
E3 28B															EXISTING
E3 30A	2-8	6-8	•	A	•	HW13	EXIST					53AA	STORAGE		1/2 HR C LABEL-REPLACE DOOR
E3 30B	2-8	6-8	•	A	•	HW13	EXIST					53AA			1/2 HR C LABEL-REPLACE DOOR
E3 32A	3-10	6-8	•	A	•	HW12	EXIST								REPLACE DOOR IN EXTC FRAME
E3 32B															EXISTING
E3 33A	3-10	6-8	•	A	•	HW12	EXIST								REPLACE DOOR IN EXTC FRAME
E3 33B															EXISTING
E3 34A	3-10	6-8	•	A	•	HW12	EXIST								REPLACE DOOR IN EXTC FRAME
E3 34B															EXISTING
E3 37A	3-10	6-8	•	A	•	HW12	EXIST								REPLACE DOOR IN EXTC FRAME
E3 37B															EXISTING
E3 39A	3-10	6-8	•	A	•	HW12	EXIST								REPLACE DOOR IN EXTC FRAME
E3 39B															EXISTING
E3 41A	2-6	6-8	•	J	•	HW16	EXIST								BATH
E3 42A	2-6	6-8	•	J	•	HW16	EXIST					27AA	SOILED LINEN		1/2 HR B LABEL-REPLACE DOOR
E3 43A	2-6	6-8	•	A	•	HW16	EXIST								REPLACE DOOR IN EXTC FRAME
E3 44A	2-6	6-8	•	A	•	HW16	EXIST								SHOWER
E3 45A	2-6	6-8	•	A	•	HW16	EXIST								SHOWER
E3 47A	2-6	6-8	•	A	•	HW 54	EXIST					27AA	CLEAN LINEN		1/2 HR C LABEL-REPLACE DOOR
E3 48A	2-8	6-8	•	J	•	HW19A	EXIST								UTILITY
E3 48B	2-8	6-8	•	J	•	HW19A	EXIST								1/2 HR D LABEL-REPLACE DOOR
E3 49A	3-0	6-8	•	D	•	HW10	EXIST								REPLACE DOOR IN EXTC FRAME
E3 50A	3-10	6-8	•	A	•	HW10	EXIST								REPLACE DOOR IN EXTC FRAME
E3 50B															EXISTING
E3 52A															EXISTING
E3 53A	2-8	6-8	•	A	•	HW19A	EXIST								1/2 HR C LABEL-REPLACE DOOR
E3 C2A	R2-10	6-8	•	N	•	HW12	EXIST	13	A-32/A-33	—		PANTRY			SMOKE DOORS
E3 C4A	R2-6	6-8	•	B	•	HW26	EXIST								REPLACE DOORS IN EXTC FRAME
E3 C5A	R2-6	6-8	•	B	•	HW26	EXIST								REPLACE DOORS IN EXTC FRAME
E3 C7A	R2-8	6-8	•	N	•	HW12	EXIST	13	A-32/A-33						SMOKE DOORS
E3 51A	3-10	6-8	•	E	•	HW19A	EXIST								1/2 HR B LABEL-REPLACE DOOR
E3 52A	3-8	6-8	•	E	•	HW19A	EXIST								1/2 HR B LABEL-REPLACE DOOR
E3 C2B	2-8	6-8	•	A	•	HW 5	EXIST	1	A-32			KD			NEW DOOR & FRAME IN EXTC OPEN
M 2A	R2-0	7-0	•	C	•	HW36			A-60			22AA			
M 2B	R2-0	7-0	•	C	•	HW36			A-60			22AA			
M 2C	6-0	7-0	•	C	•	HW36		14							

[illegible]