



# U.S. Department of Veterans Affairs

## PROJECT LOCATION:

### MARTINSBURG VA MEDICAL CENTER

510 BUTLER AVENUE, MARTINSBURG, WV 25405

**100% CONSTRUCTION DOCUMENTS SUBMISSION**

**JULY 23, 2021**

## PROJECT TITLE:

### RENOVATE/UPGRADE NFS KITCHEN - BUILDING 500 BASEMENT

BUILDING NUMBER: **500**

## ARCHITECT/ENGINEER OF RECORD:

### BANCROFT ARCHITECTS + ENGINEERS

700 Nicholas Blvd. Suite 300  
Elk Grove Village, IL 60007  
T: 847.952.9362  
F: 847.952.9403  
www.bancroft-ae.com

## KITCHEN EQUIPMENT CONSULTANT

### COMMERCIAL KITCHEN CONSULTING LLC

747 CONKLIN ROAD  
BINGHAMPTON, NY 13903  
T: 607.217.5389  
E: mberard@ckc-llc.net

## CIVIL ENGINEERING

### GWIN, DOBSON & FOREMAN, INC.

3121 FAIRWAY DRIVE,  
ALTOONA, PA 16602  
T: 814.943-5314  
E: kbeldin@gdfengineers.com

CONTRACT NUMBER: 36C24519C0171  
STATION PROJECT NUMBER: 613-19-103  
BAE PROJECT NUMBER: 18-133

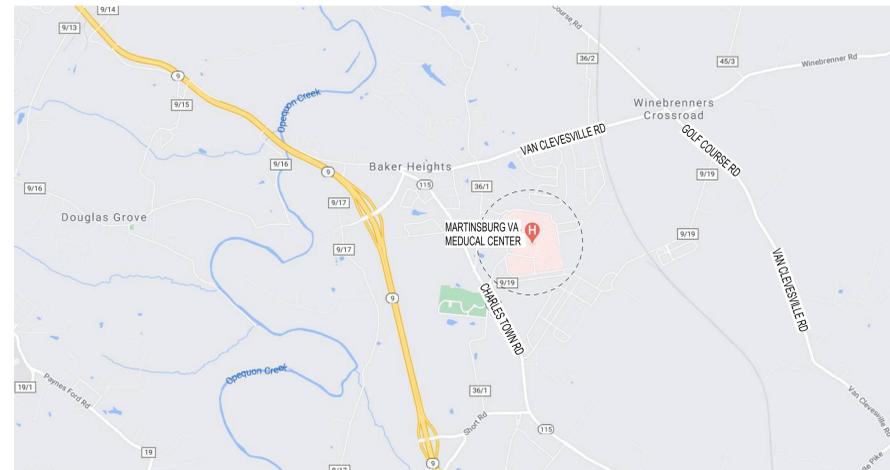


**1 STATE LOCATION MAP**  
NOT TO SCALE



PROJECT AREA  
Bldg. 500 Martinsburg VA Medical Center

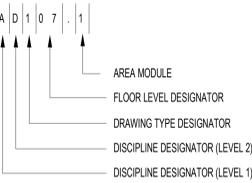
**3 CAMPUS LOCATION PHOTO**  
NOT TO SCALE



**2 REGIONAL LOCATION MAP**  
NOT TO SCALE

<table border="1"> <tr><td>100% CONSTRUCTION DOCUMENTS SUBMISSION</td><td>07/23/2021</td></tr> <tr><td>95% CONSTRUCTION DOCUMENTS SUBMISSION</td><td>02/12/2021</td></tr> <tr><td>60% DESIGN DEVELOPMENT SUBMISSION</td><td>09/11/2020</td></tr> <tr><td>30% SCHEMATIC DESIGN SUBMISSION</td><td>05/24/2020</td></tr> <tr><td>Revisions:</td><td>Date:</td></tr> </table>		100% CONSTRUCTION DOCUMENTS SUBMISSION	07/23/2021	95% CONSTRUCTION DOCUMENTS SUBMISSION	02/12/2021	60% DESIGN DEVELOPMENT SUBMISSION	09/11/2020	30% SCHEMATIC DESIGN SUBMISSION	05/24/2020	Revisions:	Date:	CONSULTANT  	ARCHITECT/ENGINEER OF RECORD   700 Nicholas Blvd. Suite 300 Elk Grove Village, IL 60007 T: 847.952.9362 F: 847.952.9403 www.bancroft-ae.com	STAMP  	Office of Construction and Facilities Management  Approved: Project Director  U.S. Department of Veterans Affairs	Drawing Title <b>COVER SHEET</b>  	Phase <b>100% CONSTRUCTION DOCUMENTS</b>  	Project Title <b>RENOVATE/UPGRADE NFS KITCHEN - BUILDING 500 BASEMENT</b>  	Project Number <b>613-19-103</b> Building Number <b>500</b>	Location 510 BUTLER AVENUE, MARTINSBURG, WV 25405 Issue Date 07/23/21 Checked YH Drawn DMK/ALR	Drawing Number <b>G001</b>
100% CONSTRUCTION DOCUMENTS SUBMISSION	07/23/2021																				
95% CONSTRUCTION DOCUMENTS SUBMISSION	02/12/2021																				
60% DESIGN DEVELOPMENT SUBMISSION	09/11/2020																				
30% SCHEMATIC DESIGN SUBMISSION	05/24/2020																				
Revisions:	Date:																				

SHEET IDENTIFICATION



DISCIPLINE DESIGNATOR (LEVEL 1) IN DRAWING ORDER:

- G - GENERAL
H - HAZARDOUS MATERIALS
S - STRUCTURAL
A - ARCHITECTURAL
I - INTERIORS
FS - FOODSERVICES
F - FIRE PROTECTION
P - PLUMBING
M - MECHANICAL
E - ELECTRICAL

DISCIPLINE DESIGNATOR (LEVEL 2) IN DRAWING ORDER:

- GI - GENERAL INFORMATION
GC - GENERAL CONTRACT
SD - STRUCTURAL DEMOLITION
SF - STRUCTURAL FRAMING
AD - ARCHITECTURAL DEMOLITION
AC - ARCHITECTURAL CEILING
AR - ARCHITECTURAL ROOF
IF - INTERIOR FINISHES
IQ - INTERIOR EQUIPMENT/FURNITURE
IS - INTERIOR SIGNAGE
QH - EQUIPMENT
FSD - FOODSERVICES DEMOLITION
QF - FOODSERVICES EQUIPMENT
FX - FIRE PROTECTION SUPPRESSION
PD - PLUMBING DEMOLITION
PW - PLUMBING DOMESTIC WATER
PS - PLUMBING SANITARY/STORMVENT
PG - MEDICAL GAS
MD - MECHANICAL DEMOLITION
MH - MECHANICAL HEATING/VENTILATION
MP - MECHANICAL PIPING
ED - ELECTRICAL DEMOLITION
EP - FIRE PROTECTION DETECTION & ALARM
EL - ELECTRICAL LIGHTING

DRAWING TYPE DESIGNATOR:

- 1 - PLAN DRAWINGS
2 - BUILDING ELEVATIONS
3 - STRUCTURAL DEMOLITION
4 - ENLARGED PLANS
5 - DETAILS
6 - SCHEDULES
7 - DIAGRAMS
8 - USER DEFINED
9 - 3D REPRESENTATIONS/PHOTOGRAPHS

DRAWING INDEX

Table with columns: SHEET NUMBER, SHEET TITLE, DRAWN BY, 30%, 60%, 95%, 100%. Rows include 00-GENERAL, 01-CIVIL, 02-ARCHITECTURAL, 03-INTERIOR, 04-FOOD SERVICES.

DRAWING INDEX

Table with columns: SHEET NUMBER, SHEET TITLE, DRAWN BY, 30%, 60%, 95%, 100%. Rows include 05-FIRE PROTECTION, 06-PLUMBING, 07-MECHANICAL.

DRAWING INDEX

Table with columns: SHEET NUMBER, SHEET TITLE, DRAWN BY, 30%, 60%, 95%, 100%. Rows include MH100.1 through MH707.

NOTE: DRAWING INDEX CONTINUED ON SHEET G003

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

STAMP

Office of Construction and Facilities Management

Drawing Title

Approved: Project Director

100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

VA CONTRACT NO: 36C24519C0171

Project Title: RENOVATE/UPGRADE NFS KITCHEN - BUILDING 500 BASEMENT

Location: 510 BUTLER AVENUE, MARTINSBURG, WV 25405

Issue Date: 07/23/21, Checked: II, Drawn: DM/KA

Project Number: 613-19-103, Building Number: 500

Drawing Number: G002

DRAWING INDEX Contd.						
SHEET NUMBER	SHEET TITLE	DRAWN BY	30%	60%	95%	100%
<b>08-ELECTRICAL</b>						
E001	ELECTRICAL - GENERAL NOTES	BAE	*	*	*	*
E002	ELECTRICAL - SYMBOLS AND ABBREVIATIONS	BAE	*	*	*	*
E201	ELECTRICAL - CONSTRUCTION PHASING	BAE	*	*	*	*
E201.1	ELECTRICAL - CONSTRUCTION PHASING	Designer			*	*
E201.2	ELECTRICAL - CONSTRUCTION PHASING	Designer			*	*
EPD100	ELECTRICAL - OVERALL POWER DEMOLITION PLAN, BASEMENT FLOOR & PENTHOUSE	BAE	*	*	*	*
EPD100.1	ELECTRICAL - POWER DEMOLITION PLAN, BASEMENT FLOOR - AREA 1	BAE	*	*	*	*
EPD100.2	ELECTRICAL - POWER DEMOLITION PLAN, BASEMENT FLOOR - AREA 2	BAE	*	*	*	*
EPD100.3	ELECTRICAL - POWER DEMOLITION PLAN, BASEMENT FLOOR - AREA 3	BAE	*	*	*	*
EPD100.4	ELECTRICAL - POWER DEMOLITION PLAN, BASEMENT FLOOR - AREA 4	BAE	*	*	*	*
EPD100.5	ELECTRICAL - POWER DEMOLITION PLAN, ELECTRICAL ROOMS GA137H, GA139A, GB100E AND GD102A	BAE	*	*	*	*
EPD100.6	ELECTRICAL - POWER DEMOLITION PLAN, ELECTRICAL ROOM GC105D	BAE	*	*	*	*
EPD100.7	ELECTRICAL - POWER DEMOLITION EQUIPMENT SCHEDULES	BAE	*	*	*	*
EPD100.8	ELECTRICAL - POWER DEMOLITION PLAN, ENLARGED AHU ROOM GC105	BAE	*	*	*	*
EPD101	ELECTRICAL - POWER DEMOLITION PLAN, ROOF AND MOTOR CONTROL CENTER	BAE	*	*	*	*
EP100	ELECTRICAL - OVERALL POWER PLAN, BASEMENT FLOOR	BAE	*	*	*	*
EP100.1	ELECTRICAL - POWER PLAN, BASEMENT FLOOR - AREA 1	BAE	*	*	*	*
EP100.2	ELECTRICAL - POWER PLAN, BASEMENT FLOOR - AREA 2	BAE	*	*	*	*
EP100.3	ELECTRICAL - POWER PLAN, BASEMENT FLOOR - AREA 3	BAE	*	*	*	*
EP100.4	ELECTRICAL - POWER PLAN - BASEMENT FLOOR - AREA 4	BAE	*	*	*	*
EP100.5A	ELECTRICAL - POWER PLAN, ELECTRICAL ROOM GA137H	BAE	*	*	*	*
EP100.5B	ELECTRICAL - POWER PLAN, ELECTRICAL ROOM GA139A	BAE	*	*	*	*
EP100.5C	ELECTRICAL - POWER PLAN, ELECTRICAL ROOM GB100E	BAE	*	*	*	*
EP100.5D	ELECTRICAL - POWER PLAN, ELECTRICAL ROOM GD102A	BAE	*	*	*	*
EP100.6	ELECTRICAL - POWER PLAN, ELECTRICAL ROOM GC105D	BAE	*	*	*	*
EP100.7	ELECTRICAL - ENLARGED BASEMENT PLAN-AREA 7/8	Designer			*	*
EP100.8	ELECTRICAL - POWER PLAN, ENLARGED AHU ROOM GC105	BAE	*	*	*	*
EP100.9	ELECTRICAL - POWER PLAN, LOADING DOCK AREA & UNDERGROUND GREASE TRAP	BAE	*	*	*	*
EP101	ELECTRICAL - POWER PLAN, ROOF AND MOTOR CONTROL CENTER - MCC1A	BAE	*	*	*	*
EP102	ELECTRICAL - COOLERS AND FREEZERS ENLARGED POWER PLAN	BAE	*	*	*	*
EP103	ELECTRICAL - FREEZERS 80 & 84 UNDER SLAB HEAT TRACE & CONDENSATE HEAT TRACE	BAE	*	*	*	*
ELD100	ELECTRICAL - OVERALL LIGHTING DEMOLITION PLAN, BASEMENT FLOOR	BAE	*	*	*	*
ELD100.1	ELECTRICAL - LIGHTING DEMOLITION PLAN, BASEMENT FLOOR - AREA 1	BAE	*	*	*	*
ELD100.2	ELECTRICAL - LIGHTING DEMOLITION PLAN, BASEMENT FLOOR - AREA 2	BAE	*	*	*	*
ELD100.3	ELECTRICAL - LIGHTING DEMOLITION PLAN, BASEMENT FLOOR - AREA 3	BAE	*	*	*	*
ELD100.4	ELECTRICAL - LIGHTING DEMOLITION PLAN, BASEMENT FLOOR - AREA 4	BAE	*	*	*	*
EL100	ELECTRICAL - OVERALL LIGHTING PLAN, BASEMENT FLOOR	BAE	*	*	*	*
EL100.1	ELECTRICAL - LIGHTING PLAN, BASEMENT - AREA 1	BAE	*	*	*	*
EL100.2	ELECTRICAL - LIGHTING PLAN, BASEMENT - AREA 2	BAE	*	*	*	*
EL100.3	ELECTRICAL - LIGHTING PLAN, BASEMENT - AREA 3	BAE	*	*	*	*
EL100.4	ELECTRICAL - LIGHTING PLAN, BASEMENT - AREA 4	BAE	*	*	*	*
EL102	ELECTRICAL - COOLERS AND FREEZERS ENLARGED LIGHTING PLAN	BAE	*	*	*	*
EL102.1	ELECTRICAL - REFRIGERATORS DOOR, KASON CONTROLS AND LIGHTING SCHEDULES	BAE	*	*	*	*
ETD100	ELECTRICAL - OVERALL TECHNOLOGY DEMOLITION PLAN, BASEMENT FLOOR	BAE	*	*	*	*
ETD100.1	ELECTRICAL - TECHNOLOGY DEMOLITION PLAN, BASEMENT FLOOR - AREA 1	BAE	*	*	*	*
ETD100.2	ELECTRICAL - TECHNOLOGY DEMOLITION PLAN, BASEMENT FLOOR - AREA 2	BAE	*	*	*	*
ETD100.3	ELECTRICAL - TECHNOLOGY DEMOLITION PLAN, BASEMENT FLOOR - AREA 3	BAE	*	*	*	*
ETD100.4	ELECTRICAL - TECHNOLOGY DEMOLITION PLAN, BASEMENT FLOOR - AREA 4	BAE	*	*	*	*
ET100	ELECTRICAL - OVERALL TECHNOLOGY PLAN, BASEMENT FLOOR	BAE	*	*	*	*
ET100.1	ELECTRICAL - TECHNOLOGY PLAN, BASEMENT FLOOR - AREA 1	BAE	*	*	*	*
ET100.2	ELECTRICAL - TECHNOLOGY PLAN, BASEMENT FLOOR - AREA 2	BAE	*	*	*	*
ET100.3	ELECTRICAL - TECHNOLOGY PLAN, BASEMENT FLOOR - AREA 3	BAE	*	*	*	*
ET100.4	ELECTRICAL - TECHNOLOGY PLAN, BASEMENT FLOOR - AREA 4	BAE	*	*	*	*
ET100.8	ELECTRICAL - TECHNOLOGY PLAN, ENLARGED AHU ROOM GC105	BAE	*	*	*	*
ET101	ELECTRICAL - TECHNOLOGY PLAN, ROOF AND MOTOR CONTROL CENTER - MCC1A	BAE	*	*	*	*
ET102	ELECTRICAL - COOLERS AND FREEZERS ENLARGED CONTROLS PLAN	BAE	*	*	*	*
ET104	ELECTRICAL - SIGNAL ROOM GD129	BAE	*	*	*	*
EPD100	ELECTRICAL - OVERALL FIRE DETECTION AND ALARM DEMOLITION PLAN, BASEMENT FLOOR	BAE	*	*	*	*
EPD100.1	ELECTRICAL - FIRE DETECTION AND ALARM DEMOLITION PLAN, BASEMENT FLOOR - AREA 1	BAE	*	*	*	*
EPD100.2	ELECTRICAL - FIRE DETECTION AND ALARM DEMOLITION PLAN, BASEMENT FLOOR - AREA 2	BAE	*	*	*	*
EPD100.3	ELECTRICAL - FIRE DETECTION AND ALARM DEMOLITION PLAN, BASEMENT FLOOR - AREA 3	BAE	*	*	*	*
EPD100.4	ELECTRICAL - FIRE DETECTION AND ALARM DEMOLITION PLAN, BASEMENT FLOOR - AREA 4	BAE	*	*	*	*
EF100	ELECTRICAL - OVERALL FIRE DETECTION AND ALARM PLAN	BAE	*	*	*	*
EF100.1	ELECTRICAL - FIRE DETECTION AND ALARM PLAN, BASEMENT FLOOR - AREA 1	BAE	*	*	*	*
EF100.2	ELECTRICAL - FIRE DETECTION AND ALARM PLAN, BASEMENT FLOOR - AREA 2	BAE	*	*	*	*
EF100.3	ELECTRICAL - FIRE DETECTION AND ALARM PLAN, BASEMENT FLOOR - AREA 3	BAE	*	*	*	*
EF100.4	ELECTRICAL - FIRE DETECTION AND ALARM PLAN, BASEMENT FLOOR - AREA 4	BAE	*	*	*	*
EF100.5	ELECTRICAL - FIRE PROTECTION DETAILS	BAE	*	*	*	*
ED500-102	ELECTRICAL - SINGLE LINE BLDG 500-SWBD-B	BAE	*	*	*	*
ED500-104	ELECTRICAL - SINGLE LINE BLDG 500-SWBD-DP-NE-R & DP-NCB_NC1_NC2	BAE	*	*	*	*
ED500-105	ELECTRICAL - SINGLE LINE BLDG 500-DP-SWW1, EDP-1-TR & DP-SA	BAE	*	*	*	*
ED500-106	ELECTRICAL - SINGLE LINE BLDG 500-ELP-NEB-B	Designer			*	*
ED500-109	ELECTRICAL - SINGLE LINE BLDG 500-SWBD-BD-3 & DPA-EQ1	BAE	*	*	*	*
ED500-110	ELECTRICAL - SINGLE LINE BLDG 600-CRITICAL	BAE	*	*	*	*
ED500-111	ELECTRICAL - SINGLE LINE BLDG 500-SWBD-DPA-LS	BAE	*	*	*	*
ED500-113	ELECTRICAL - SINGLE LINE BLDG 500-SET & DP-OR	BAE	*	*	*	*
ED500-114	ELECTRICAL - SINGLE LINE BLDG 500-SWBD-DP-SEB, DP-SE2 & DP-SW1	BAE	*	*	*	*
ED500-115	ELECTRICAL - SINGLE LINE BLDG 500-DP-NEB & DP-KA	BAE	*	*	*	*
ED500-116	ELECTRICAL - SINGLE LINE BLDG 500-DP-SWB	BAE	*	*	*	*
E500-101	ELECTRICAL - SINGLE LINE BLDG 500-SWBD-A	BAE	*	*	*	*
E500-102	ELECTRICAL - SINGLE LINE BLDG 500-SWBD-500-B	BAE	*	*	*	*
E500-103	ELECTRICAL - SINGLE LINE BLDG 500-SWBD-EMERGENCY	BAE	*	*	*	*
E500-104	ELECTRICAL - SINGLE LINE BLDG 500-SWBD-DP-NE-R & DP-NCB_NC1_NC2	BAE	*	*	*	*
E500-105	ELECTRICAL - SINGLE LINE BLDG 500-DP-SWW1, EDP-1-TR & DP-SA	BAE	*	*	*	*
E500-106	E500-106 SINGLE LINE BLDG 500-ELP-NEB-B	Designer			*	*
E500-108	ELECTRICAL - SINGLE LINE BLDG 500-SWBD-MCC-1 & SWBD-EMDP	BAE	*	*	*	*
E500-108.1	ELECTRICAL - SINGLE LINE BLDG 500-SWBD-EMDP	BAE	*	*	*	*
E500-109	ELECTRICAL - SINGLE LINE BLDG 500-SWBD-BD-3 & DPA-EQ1	BAE	*	*	*	*
E500-110	ELECTRICAL - SINGLE LINE BLDG 600-CRITICAL	BAE	*	*	*	*
E500-111	ELECTRICAL - SINGLE LINE BLDG 500-SWBD-DPA-EQ2	BAE	*	*	*	*
E500-111.1	ELECTRICAL - SINGLE LINE BLDG 500-SWBD-DPA-LS	BAE	*	*	*	*
E500-112	ELECTRICAL - SINGLE LINE BLDG 500-DP-NWB	BAE	*	*	*	*
E500-113	ELECTRICAL - SINGLE LINE BLDG 500-SET & DP-OR	BAE	*	*	*	*
E500-114	ELECTRICAL - SINGLE LINE BLDG 500-SWBD-DP-SEB, DP-SE2 & DP-SW1	BAE	*	*	*	*
E500-115	ELECTRICAL - SINGLE LINE BLDG 500-DP-KA	BAE	*	*	*	*

DRAWING INDEX Contd.						
SHEET NUMBER	SHEET TITLE	DRAWN BY	30%	60%	95%	100%
E500-116	ELECTRICAL - SINGLE LINE BLDG 500-DP-SWB-B	BAE	*	*	*	*
E500-120	ELECTRICAL - SINGLE LINE BLDG 500-EM PANEL-DPA-EQ	BAE	*	*	*	*
ED600-1	ELECTRICAL - DEMOLITION PANELS ELEC. ROOM GA139A	BAE	*	*	*	*
ED600-2	ELECTRICAL - DEMOLITION PANELS ELEC. ROOM GB100E	BAE	*	*	*	*
ED600-3	ELECTRICAL - DEMOLITION PANELS ELEC. ROOM GB123	BAE	*	*	*	*
ED600-4	ELECTRICAL - DEMOLITION PANELS ELEC. ROOM GC105D	BAE	*	*	*	*
E600	ELECTRICAL - NEW PANELS ELEC. ROOM GA137H	BAE	*	*	*	*
E600-1	ELECTRICAL - NEW PANELS ELEC. ROOM GA139A	BAE	*	*	*	*
E600-2	ELECTRICAL - NEW PANELS ELEC. ROOM GB100E	BAE	*	*	*	*
E600-4	ELECTRICAL - NEW PANELS ELEC. ROOM GC105D	BAE	*	*	*	*
E600-5	ELECTRICAL - NEW PANELS ELEC. ROOM GD102A	BAE	*	*	*	*
E601	ELECTRICAL - ELECTRICAL EQUIPMENT, BREAKER AND PROTECTIVE DEVICES SCHEDULE	BAE	*	*	*	*
E602	ELECTRICAL - BREAKER SETTINGS LOW VOLTAGE 480 BREAKERS SWB-A AND SWB-B	BAE	*	*	*	*
E700	ELECTRICAL - ROOMS LIGHTING SCHEMES	BAE	*	*	*	*
E701	ELECTRICAL - AIR CURTAIN AND ANSUL MICROSWITCH DETAILS	BAE	*	*	*	*
E702	ELECTRICAL - DETAILS - SECURITY	BAE	*	*	*	*
E703	ELECTRICAL - WIRING AND CONTROL DIAGRAMS	BAE	*	*	*	*

<b>PROJECT TEAM</b>	
<b>OWNER</b>	
THE DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER 510 BUTLER AVENUE MARTINSBURG, WEST VIRGINIA 25405	
<b>ARCHITECT</b>	
BANCROFT ARCHITECTS + ENGINEERS 700 NICHOLAS BLVD. SUITE 300 ELK GROVE VILLAGE, IL 60007 P: 847-952-9362	
<b>KITCHEN EQUIPMENT</b>	
COMMERCIAL KITCHEN CONSULTING LLC 747 CONLIN ROAD BINGHAMPTON, NY 13903 T: 607-217-5389	
<b>CIVIL ENGINEER</b>	
GWIN, DOBSON & FOREMAN, INC. 3121 FAIRWAY DRIVE ALTOONA, PA 16602 T: 814-943-5314	
<b>FIRE PROTECTION ENGINEER</b>	
BANCROFT ARCHITECTS + ENGINEERS 700 NICHOLAS BLVD. SUITE 300 ELK GROVE VILLAGE, IL 60007 P: 847-952-9362	
<b>PLUMBING ENGINEER</b>	
BANCROFT ARCHITECTS + ENGINEERS 700 NICHOLAS BLVD. SUITE 300 ELK GROVE VILLAGE, IL 60007 P: 847-952-9362	
<b>MECHANICAL ENGINEER</b>	
BANCROFT ARCHITECTS + ENGINEERS 700 NICHOLAS BLVD. SUITE 300 ELK GROVE VILLAGE, IL 60007 P: 847-952-9362	
<b>ELECTRICAL ENGINEER</b>	
BANCROFT ARCHITECTS + ENGINEERS 700 NICHOLAS BLVD. SUITE 300 ELK GROVE VILLAGE, IL 60007 P: 847-952-9362	
<b>COST ESTIMATOR</b>	
BANCROFT ARCHITECTS + ENGINEERS 700 NICHOLAS BLVD. SUITE 300 ELK GROVE VILLAGE, IL 60007 P: 847-952-9362	
<b>INTERIORS</b>	
BANCROFT ARCHITECTS + ENGINEERS 700 NICHOLAS BLVD. SUITE 300 ELK GROVE VILLAGE, IL 60007 P: 847-952-9362	

VA CONTRACT NO: 36C24519C0171

100% CONSTRUCTION DOCUMENTS SUBMISSION	07/23/2021
95% CONSTRUCTION DOCUMENTS SUBMISSION	02/12/2021
60% DESIGN DEVELOPMENT SUBMISSION	09/11/2020
30% SCHEMATIC DESIGN SUBMISSION	05/24/2020
Revisions:	Date:

**CONSULTANT**

**ARCHITECT/ENGINEER OF RECORD**



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Elk Grove Village, IL 60007  
T: 847.952.9362 F: 847.952.9403  
www.bancroft-ae.com

**Office of Construction and Facilities Management**

VA U.S. Department of Veterans Affairs

Drawing Title  
**DRAWING INDEX**

Approved: Project Director

Phase  
**100% CONSTRUCTION DOCUMENTS**

**FULLY SPRINKLERED**

Project Title <b>RENOVATE/UPGRADE NFS KITCHEN - BUILDING 500 BASEMENT</b>	Project Number <b>613-19-103</b>
Building Number <b>500</b>	Drawing Number <b>G003</b>
Location 510 BUTLER AVENUE, MARTINSBURG, WV 25405	Issue Date 07/23/21
Checked II	Drawn DM/KA

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**GENERAL NOTES FOR CONTRACTORS**

- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL PUBLISHED APPLICABLE LOCAL / STATE / FEDERAL / NATIONAL CODES, ORDINANCES AND REGULATIONS ALONG WITH ALL RELATED VA DIRECTIVES, DESIGN GUIDES AND MANUALS, SPECIFICATIONS AND STANDARDS PLUS ALL VA REQUIREMENTS (FEDERAL AND LOCAL) THAT ARE PROJECT SPECIFIC TO THE DOCUMENTED SCOPE OF WORK ON THIS SITE.
- EACH CONTRACTOR SHALL HAVE PUBLIC LIABILITY, PROPERTY DAMAGE AND WORKMAN'S COMPENSATION INSURANCE AS REQUIRED BY THE VA IN THE BIDDING DOCUMENTATION. CONTACT THE VA/CO DURING THE BIDDING PHASE WITH ANY QUESTIONS, VERIFICATIONS, AND DOCUMENTATION NECESSARY CONCERNING ALL REQUIREMENTS FOR PROJECT INSURANCE COVERAGE.
- BEFORE SUBMITTING A BID, ALL CONTRACTORS WILL CAREFULLY EXAMINE THE DRAWINGS AND SPECIFICATIONS SO AS TO BE THOROUGHLY FAMILIAR WITH ALL THE CONTRACT REQUIREMENTS. EACH BIDDER SHOULD THEN VISIT THE SITE OF THE WORK TO BECOME ACQUAINTED WITH ALL VISIBLE FIELD CONDITIONS AFFECTING THE CONTRACT, SUCH AS OBSTACLES WHICH MAY BE ENCOUNTERED AND ALL OTHER CONDITIONS RELATIVE TO WHAT COULD AFFECT/IMPACT THE WORK OR BE AFFECTED BY THE PERFORMANCE OF THE WORK.
- IF AWARDED THE CONTRACT, THE CONTRACTORS SHALL NOT BE ALLOWED ANY EXTRA COMPENSATION BY REASON OF ANY UNFORESEEN DIFFICULTIES OR OBSTACLES WHICH THE BIDDER COULD HAVE REASONABLY ANTICIPATED PRIOR TO BIDDING. SHOULD ANY DISCREPANCIES, ERRORS, CONFLICT OR ITEMS NEEDING CLARIFICATION BE DISCOVERED IN THE PLANS AND/OR SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY THE VA/CO PRIOR TO SUBMITTING A BID AND THE VA/CO BEFORE STARTING ANY OF THE WORK.
- CONTRACTORS SHALL REFERENCE ALL DRAWINGS IN ALL SECTIONS OF WORK FOR FULLY DEFINING THEIR SCOPE OF WORK RESPONSIBILITIES AND COORDINATE SAME WITH THE GENERAL/PRIME CONTRACTOR. SUBCONTRACTORS AND SUPPLIERS FOR EACH TRADE ARE ADVISED THAT INFORMATION PERTINENT TO THEIR SCOPE OF WORK ALSO OCCURS IN OTHER SECTIONS OF THE DRAWINGS AND THE COMPLETE SET OF CONTRACT DOCUMENTS.
- ALL ENGINEERING SYSTEMS WORK INCLUDED IN THE CONTRACT DRAWINGS SHALL BE TAKEN IN A SENSE AS A DIAGRAMMATIC REPRESENTATION OF ITS INTENDED PLACEMENT AND DISTRIBUTION WITHIN THE GENERAL PROXIMITY WHERE SHOWN. THE SIZE AND THE MEANS OF RUNNING DISTRIBUTION SYSTEMS ARE SHOWN BUT IT IS NOT INTENDED TO SHOW EVERY CONNECTION, FITTING, OFFSET, SUPPORT ELEMENT, OR EVERY STRUCTURAL DIFFICULTY THAT CAN BE ENCOUNTERED DURING THE INSTALLATION OF THE WORK.
- PROJECT LIMIT LINES ARE SHOWN ON THE DRAWINGS FOR ORIENTATION PURPOSES ONLY AND SHOULD NOT BE CONSTRUED TO INDICATE THE FULL EXTENT OR LIMITS OF THE AREA(S) OF WORK.
- EACH CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORK SHALL FULLY COORDINATE AND VERIFY WITH ALL OTHER CONTRACTORS, OTHER TRADES AND THE VA/CO CONCERNING ALL SPACE REQUIREMENTS FOR THIS PROJECT. THE GENERAL/PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR COMMUNICATING, DOCUMENTING AND COORDINATING ALL SPACE REQUIREMENTS WITH THE VA/CO TO AVOID CONFLICTS AND MISCOMMUNICATION.
- ALL EXISTING BUILDING UTILITIES AND INFRASTRUCTURE SERVICES SYSTEMS THAT FEED OTHER SPACES OUTSIDE THE DEMISED PROJECT AREA AND THAT ARE LOCATED WITHIN THE AREA OF WORK, THEREBY INTERFERING WITH THE NEW CONSTRUCTION, SHALL BE REROUTED AND RELOCATED AS REQUIRED TO MAINTAIN FULL SERVICE TO THE AFFECTED AREAS.
- ALL FINISHED AREAS ADJACENT TO OR INCLUDED WITHIN THE AREA(S) OF CONSTRUCTION ALONG WITH ALL PUBLIC PROJECT ACCESS ROUTES SHALL BE PROTECTED FROM DUST AND DIRT THROUGH THE USE OF VA/CO APPROVED DUST/PROOF PROTECTION. SEE THE OCCUPIED AREA PROTECTION PROTOCOLS PROVIDED IN THE "GENERAL" DRAWINGS SECTION AND COORDINATE ALL SITE SPECIFIC CONDITIONS IMPACTS ENCOUNTERED WITH THE VA/CO.
- DO NOT SCALE THE DRAWINGS. USE THE GIVEN DIMENSIONS.
- THE GENERAL/PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL SHOP DRAWING REQUIREMENTS WITH ALL OF THE AFFECTED TRADES, THE VA/CO AND WITH THE AE.
- OBTAIN ALL REQUIRED VA/CO AUTHORIZATIONS BEFORE BEGINNING ANY DEMOLITION WORK OR NEW CONSTRUCTION, INCLUDING TEMPORARY BARRICADES AND PROTECTION WORK.
- EACH CONTRACTOR SHALL MAINTAIN A COMPETENT OSHA-30 FOREMAN OR EQUALLY QUALIFIED DIRECT REPRESENTATIVE ON THE JOB SITE AT ALL TIMES.
- EACH CONTRACTOR SHALL COOPERATE AND COORDINATE WITH THE GENERAL/PRIME CONTRACTOR'S SUPERINTENDENT AND WITH THE FOREMAN OF ALL OTHER TRADES IN ORDER THAT THERE BE NO DELAYS IN THE EXECUTION AND COMPLETION OF THE WORK.
- DURING CONSTRUCTION EACH CONTRACTOR SHALL KEEP ON SITE ACCURATE FIELD RECORDS OF ALL CONCEALED AND VISUALLY ACCESSIBLE WORK THAT DIFFERS FROM THE CONTRACT DRAWINGS/DOCUMENTS. THESE AS-BUILT MARKED-UP RECORD DRAWINGS/DOCUMENTS WILL BE KEPT UP TO DATE BY THE GENERAL/PRIME CONTRACTOR AND PROVIDED TO THE VA/CO FOR DISTRIBUTION AT THE COMPLETION OF THE PROJECT.
- IT SHALL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO ADEQUATELY PROTECT EXISTING CONSTRUCTION AND FINISHES TO REMAIN IN PLACE DURING BOTH THE DEMOLITION AND CONSTRUCTION SEQUENCES OF WORK. ANY DAMAGE TO SUCH AREAS SHALL BE RESTORED AND REFINISHED TO A "LIKE-NEW" CONDITION PRIOR TO THE VA/CO'S ACCEPTANCE OF THAT WORK.
- THE GENERAL/PRIME CONTRACTOR IS RESPONSIBLE FOR THE PATCH, REPAIR, REFINISHING AND/OR REPLACEMENT OF ALL CONSTRUCTION, MATERIALS, ASSEMBLIES, EQUIPMENT, SIGNAGE AND FINISHES DAMAGED BY THE PROJECT DEMOLITION, TEMPORARY CONSTRUCTION, NEW CONSTRUCTION OR THE MOVEMENT OF PERSONNEL, TOOLS, EQUIPMENT, MATERIALS, ETC. BOTH INSIDE AND OUTSIDE OF THE DESIGNATED AREAS OF WORK.
- PROVIDE THE CUTTING AND PATCHING FOR ALL DEMOLITION WORK AND ALL NEW CONSTRUCTION WORK BEING PERFORMED OUTSIDE OF THE PROJECT LIMIT LINES AS REQUIRED TO PROPERLY COMPLETE THE PROJECT SCOPE OF WORK.
- ALL CUTTING, CORING AND DRILLING OF EXISTING CONCRETE AND MASONRY CONSTRUCTION SHALL NOT DAMAGE EXISTING REINFORCING STEEL, PIPING, CONDUITS OR OTHER CONCEALED CONSTRUCTION WITHIN. PRIOR TO CORING, DRILLING, CUTTING OR PERFORMING ANY BREAKING EFFORTS, PROVIDE PENETRATING FIELD X-RAYING OF THE INTENDED AREAS AND DOCUMENT THE EXACT SIZE AND LOCATIONS OF ALL SUCH INTERFERENCES. COORDINATE WITH AND OBTAIN VA/CO APPROVAL BEFORE PROCEED WITH ANY SUCH REQUIRED PENETRATIONS WORK.
- RELOCATIONS OF ANY INFRASTRUCTURE DISTRIBUTION SYSTEMS OR EQUIPMENT, WHICH MAY ALTER THE ARCHITECTURAL OR STRUCTURAL CONSTRUCTION, MUST BE APPROVED FIRST BY THE VA/CO PRIOR TO STARTING ITS RELOCATION.
- THE GENERAL/PRIME CONTRACTOR IS RESPONSIBLE TO PROVIDE THE REMOVAL OF ALL CONSTRUCTION DEMOLITION DEBRIS, SPOIL AND MATERIALS FROM THE PROJECT SITE ON A DAILY BASIS UNLESS SPECIFICALLY REFERENCED OTHERWISE IN THE PROJECT SPECIFIC LOGISTICAL SEQUENCING REQUIREMENTS.

**BASIS OF DESIGN (BOD) COMPLIANCE PROTOCOLS**

- INTENT:
- TO ORGANIZE AND IDENTIFY THE "EQUIVALENCY SUBSTITUTION PROCESS" IN ORDER TO FORMALIZE THE PROCESS, CLARIFY RESPONSIBILITIES, PROACTIVELY MANAGE THE PROCESS AND MINIMIZE COSTLY DELAYS IN THE EXECUTION OF THE WORK.
  - THERE ARE NO INTENDED RESTRICTIONS LIMITING COMPETITION ON THE EQUIVALENT SUBSTITUTION OF MATERIALS, EQUIPMENT, HARDWARE, FINISHES, CONTROLS, SYSTEMS AND THEIR INCLUSIVE PARTS, DETAILED ASSEMBLIES, RELATED DESIGN ELEMENTS AND PERFORMANCE CHARACTERISTICS, UNLESS AS IDENTIFIED IN THE BID SOLICITATION.
- SUMMARY DESCRIPTION:
- THE BASIS OF DESIGN (BOD) COMPLIANCE PROTOCOLS ARE TO BE FOLLOWED FOR ALL CONTRACTOR PROPOSED EQUIVALENT SUBSTITUTIONS OR DEVIATIONS FROM THE BASE BID/CONSTRUCTION DOCUMENTS.
  - AN EQUIVALENT SUBSTITUTION REPRESENTS ANY DEVIATION FROM THE CONTRACT DOCUMENTS ORIGINAL DESIGN INTENT, SCOPE OF WORK REQUIREMENTS, THE DETAILING OR SPECIFICATIONS.
  - NO SUCH EQUIVALENT SUBSTITUTION OR DEVIATION WILL BE ALLOWED WITHOUT FIRST GOING THROUGH THE BOD COMPLIANCE PROTOCOLS PROCESS AND OBTAINING VA APPROVAL.
  - ONCE VA APPROVAL OF THE EQUIVALENT SUBSTITUTION OR DEVIATION REQUEST HAS BEEN OBTAINED, THE FORMAL SHOP DRAWING PREPARATION AND SUBMITTAL PROCESS MAY BEGIN FOR THAT WORK.
  - THE FOLLOWING BOD COMPLIANCE PROTOCOLS DEFINE IN DETAIL THE RESPONSIBILITIES AND THE EVALUATION PROCESS ALONG WITH THE REQUIREMENTS AND PROCEDURES TO BE FOLLOWED WHEN REQUESTING VA CONSIDERATION OF ANY PROPOSED EQUIVALENT SUBSTITUTION OR DEVIATION.
- BOD COMPLIANCE PROTOCOLS:
- THE BOD COMPLIANCE PROTOCOLS APPLY TO ALL MATERIALS, EQUIPMENT, HARDWARE, FINISHES, CONTROLS, ENGINEERING SYSTEMS AND THEIR INCLUSIVE PARTS; DETAILED ASSEMBLIES PLUS ALL RELATED DESIGN ELEMENTS AND SPECIFIED PARAMETERS THAT ARE CONTAINED WITHIN THE BID/ISSUED FOR CONSTRUCTION DRAWINGS AND SPECIFICATIONS DOCUMENTATION, OR AS SPECIFICALLY REFERENCED BY SAME.
  - SPECIFIC DESIGN CHARACTERISTICS REQUIRING BOD COMPLIANCE ANALYSIS WILL VARY WITH EACH SPECIFIC ITEM BEING PROPOSED AS AN EQUIVALENT SUBSTITUTION AND WILL NEED TO BE FULLY COMPARED TO ESTABLISH BOD COMPLIANCE.
  - CRITICAL DESIGN CHARACTERISTICS AND ELEMENTS ARE SPECIFIC TO EACH ITEM NEEDING CONSIDERATION AND COULD CONSIST OF, BUT NOT LIMITED TO, CRITERIA SUCH AS DIMENSIONAL LOGISTICS, PERFORMANCE CHARACTERISTICS, CAPACITY, DUTY REQUIREMENTS, OPERATIONAL EFFICIENCIES, ACOUSTICAL REQUIREMENTS, UTILITIES IMPACTS, CONNECTION VARIANCES, DETAILING DEVIATIONS, FRAMING MODIFICATIONS, ROUGH IN REQUIREMENTS, WEIGHT INCREASES AND/OR DISTRIBUTIONS, STRUCTURAL IMPACTS, ATTACHMENTS, SUPPORTS, FINISHES, AVAILABILITY, COMPATIBILITY, CONSTRUCTABILITY, WARRANTIES, SERVICE LIFE, MAINTENANCE REQUIREMENTS, ENVIRONMENTAL CONSIDERATIONS, LEED RELATED DESIGN CONSIDERATIONS, ETC.
  - A VERY CRITICALLY IMPORTANT DESIGN CHARACTERISTIC OF ALL BOD ITEMS NEEDING TO BE FULLY EVALUATED AND PROPERLY COORDINATED WOULD BE THE DESIGN AND LAYOUT DIMENSIONAL LOGISTICS REQUIREMENTS. THOSE CRITICAL PARAMETERS COULD CONSIST OF, BUT NOT LIMITED TO, ALL DIMENSIONAL ELEMENTS THAT AFFECT SIZE, HEIGHT, WIDTH, DEPTH, THICKNESS, PLACEMENT, SPACING, CLEARANCES, ACCESS, MOUNTING, CONNECTION/LOCATION REQUIREMENTS, INSTALLATION TOLERANCES, OPERABLE ELEMENT CLEARANCES, ETC., ALL OF WHICH COULD IMPACT OTHER AREAS OR COMPONENTS OF WORK.
  - CONTRACTORS WILL BE RESPONSIBLE TO FULLY IDENTIFY ALL PROPOSED EQUIVALENT SUBSTITUTIONS, DEVIATIONS, IMPACTS AND MODIFICATIONS FROM THE "BASIS OF DESIGN" INTENT WITH THE GENERAL/PRIME CONTRACTOR DURING THE BIDDING PROCESS AND OBTAIN THEIR APPROVAL BEFORE COMPLETING THEIR PRICING AND SUBMITTING A BID.
  - IF A PROPOSED EQUIVALENT SUBSTITUTION ITEM WILL REQUIRE THAT MODIFICATIONS NEED TO BE MADE, TO THE WORK OF THE PROVIDING CONTRACTOR, THE WORK OF OTHER CONTRACTORS OR THE WORK OF THE VA, THE SUBMITTING CONTRACTOR SHALL BE FULLY RESPONSIBLE TO INFORM AND ADVISE THE GENERAL/PRIME CONTRACTOR OF ANY AND ALL SUCH NECESSARY IMPACTS AND POSSIBLE MODIFICATIONS REQUIRED AS A PART OF THEIR BIDDING AND BASE CONTRACTUAL SCOPE OF WORK RESPONSIBILITIES.
  - THE CONTRACTOR PROPOSING THE EQUIVALENT SUBSTITUTION SHALL BE RESPONSIBLE FOR ALL RELATED WORK AND SHALL IDENTIFY, VERIFY, COORDINATE AND PROVIDE ENGINEERED SOLUTIONS FOR ALL IMPACT ISSUES AFFECTING INFRASTRUCTURE SYSTEMS, UTILITIES SERVICES, BUILDING STRUCTURE, SURROUNDING ELEMENTS, AND SYSTEMS AFFECTED FROM WEIGHT DIFFERENTIALS, REVISED LOADING CHARACTERISTICS, CONNECTION/MOUNTING VARIANCES, INSTALLATION CONFLICTS AND DETAILING MODIFICATIONS, ETC. CAUSED BY THE EQUIVALENT SUBSTITUTION REQUIREMENTS.
  - SPECIAL ATTENTION NEEDS TO BE PAID TO ANY SYSTEMS EQUIPMENT AND MATERIAL PERFORMANCE CHARACTERISTICS INCLUDING ALL ASPECTS OF THEIR DIMENSIONAL LOGISTICS FEATURES AND REQUIREMENTS ALONG WITH ANY STRUCTURAL AND UTILITIES IMPACTS.
  - EACH EQUIVALENT SUBSTITUTION REQUEST ALONG WITH ANY/ALL IMPACTS, DEVIATIONS/VARIANCES AND MODIFICATIONS WILL REQUIRE VA/CO APPROVAL(S) BEFORE ANY SUCH REQUEST IS DEEMED APPROPRIATE BY THE VA AND ALLOWED TO PROCEED INTO THE NORMAL SHOP DRAWING PREPARATION, SUBMITTAL AND REVIEW PROCESS.
  - NO REQUEST FOR AN EQUIVALENT SUBSTITUTION REVIEW CAN BE MADE VIA A SHOP DRAWING SUBMISSION. ANY SUCH SUBMISSION WILL NOT BE REVIEWED AND WILL BE REJECTED AS NON-COMFORMING WITH THE DESIGN INTENT AND NOTED THAT THE CONTRACTOR IS TO FOLLOW THE STANDARD BOD COMPLIANCE PROTOCOLS.
  - ANY DEVIATIONS FROM THE BOD REQUIREMENTS THAT SURFACE DURING THE CONSTRUCTION PHASE SHALL IMMEDIATELY BE MADE KNOWN TO THE GENERAL/PRIME CONTRACTOR WHO WILL IN TURN NOTIFY THE VA/CO. ALL SUCH DEVIATIONS, VARIANCES AND IMPACTS WILL BE FULLY IDENTIFIED, DOCUMENTED AND SUBMITTED TO THE VA/CO FOR REVIEW, EVALUATION AND DIRECTION(S) ON HOW TO PROCEED.
  - ANY NON-COMPLIANT EQUIVALENT SUBSTITUTIONS WORK FOUND TO BE IN PLACE DURING THE CONSTRUCTION PHASE THAT HAD NOT GONE THROUGH THE BOD COMPLIANCE PROTOCOLS APPROVAL PROCESS AND THAT DOESN'T HAVE THE VA/CO'S APPROVAL WILL BE SUBJECT TO POSSIBLE REJECTION AND REMOVAL.
  - THE FINAL INSTALLATION OF ANY EQUIVALENT SUBSTITUTION AND ITS IMPACTS SHALL NOT COMPROMISE ANY OF THE BOD PERFORMANCE CHARACTERISTICS NOR SHALL IT ENCUMBER ANY OF THE ASSOCIATED DESIGN LAYOUT AND DIMENSIONAL LOGISTICS REQUIREMENTS.
  - THE FINAL INSTALLATION OF ANY EQUIVALENT SUBSTITUTION AND ITS IMPACTS SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES, REGULATIONS AND VA REQUIREMENTS, PLUS ALLOW ANY SYSTEMS, EQUIPMENT AND/OR MATERIALS TO FUNCTION PROPERLY AND SAFELY.

**BOD EQUIVALENT SUBSTITUTIONS PROCESS SEQUENCE:**

- BIDDING PHASE
  - ALL BOD PROPOSED EQUIVALENT SUBSTITUTIONS, DEVIATIONS AND ASSOCIATED IMPACTS SHALL BE FULLY IDENTIFIED AND COORDINATED WITH THE GENERAL/PRIME CONTRACTOR(S) DURING THE BIDDING PROCESS SUCH THAT THE COST OF ALL ASSOCIATED BOD SUBSTITUTION MODIFICATIONS, REQUIRED DEVIATIONS AND SCOPE OF WORK IMPACTS DIRECTLY AFFECTING OTHER TRADES SHALL BE INCLUDED IN THE BASE BIDS OF ALL AFFECTED CONTRACTORS.
- CONTRACTORS IDENTIFY PROPOSED EQUIVALENT SUBSTITUTION(S)
  - ALL CONTRACTORS, BEFORE SUBMITTING THEIR REQUEST FOR EQUIVALENT SUBSTITUTION CONSIDERATION SHALL BE RESPONSIBLE TO HAVE FULLY VERIFIED AND CERTIFIED IN WRITING THAT THE DESIGN CHARACTERISTICS OF THE ITEMS THEY WILL BE SUBMITTING FOR BOD COMPLIANCE REVIEW MEETS OR EXCEEDS THE DESIGN INTENT AND PERFORMANCE REQUIREMENTS AS DESIGNED, DETAILED AND SPECIFIED.
- CONTRACTORS PREPARE DETAILED COMPARISONS
  - THE REQUESTING CONTRACTOR SHALL PREPARE AND PROVIDE TO THE GENERAL/PRIME CONTRACTOR A FULL LINE ITEM, SIDE-BY-SIDE COMPARISON LISTING SPREAD SHEET OF ALL BOD DESIGN AND MANUFACTURED CHARACTERISTICS VERSUS THE SAME FOR THE EQUIVALENT SUBSTITUTION BEING PROPOSED.
  - ALL EQUIPMENT, MATERIALS OR ASSEMBLY EQUIVALENT SUBSTITUTIONS SHALL BE PROVIDED ON A CONTRACTOR PREPARED ITEMIZED LISTING PER EACH REQUESTED SUBSTITUTION WITH A FULL AND DETAILED COMPARATIVE DESCRIPTION OF ALL SPECIFICATIONS, PERFORMANCE CHARACTERISTICS, CAPACITIES, WEIGHT, DIMENSIONAL LOGISTICS AND KNOWN IMPACTS, DEPARTURES, ALTERATIONS OR ADJUSTMENTS FROM THE ORIGINAL BOD.
  - CONTRACTORS SHALL UTILIZE THE ORIGINAL MANUFACTURER'S PUBLISHED SPECIFICATIONS AND PRODUCT DATA SHEETS ALONG WITH ANY ADDITIONAL CHARACTERISTICS AND PERFORMANCE CRITERIA REQUIRED AND SPECIFIED IN THE CONSTRUCTION DOCUMENTS AS THE BASIS FOR THE DEVELOPMENT OF THE LINE BY LINE COMPARISON CRITERIA SPREAD SHEET.
- CONTRACTORS IDENTIFY RELATED IMPACTS
  - THE REQUESTING CONTRACTOR SHALL BE RESPONSIBLE TO FULLY IDENTIFY AND DOCUMENT ALL PROPOSED EQUIVALENT SUBSTITUTION CAUSED IMPACTS, DEPARTURES, ALTERATIONS OR ADJUSTMENTS REQUIRED FROM THE ORIGINAL BOD REQUIREMENTS WITH THE GENERAL/PRIME CONTRACTOR AS WELL AS ALL AFFECTED CONTRACTORS.
  - SEE THE DETAILED PROTOCOL REQUIREMENTS FOR THE EXTENT OF RESPONSIBILITIES AND DOCUMENTATION REQUIRED FOR THIS CRITICAL ITEM.
- CONTRACTOR'S DOCUMENTATION TO GENERAL/PRIME CONTRACTOR
  - CONTRACTORS SHALL COORDINATE WITH THE GENERAL/PRIME CONTRACTOR AS TO THE SPECIFIC DATE THAT EACH IS REQUIRED FOR THE COMPLETION OF THEIR EQUIVALENT SUBSTITUTION SUBMISSION REQUEST DOCUMENTATION AND DELIVERY OF THE COMPLETED PACKAGE(S) TO THEM.
  - CONTRACTORS SHALL FULLY COORDINATE THEIR PREPARATION OF ALL REQUIRED DOCUMENTATION AND EQUIVALENCY SUBSTITUTION REQUIREMENTS WITH THE GENERAL/PRIME CONTRACTOR IN ORDER TO ADDRESS ANY AND ALL IMPACTS ON THE PROJECT SCHEDULE AS WELL AS PERFORMING THEIR REQUIRED FORMALIZED REQUEST FOR EQUIVALENCY SUBSTITUTION SUBMISSION.
  - ALL EQUIVALENT SUBSTITUTION REQUESTS ALONG WITH THEIR REQUIRED SUBMISSION REQUEST DOCUMENTATION SHALL BE DELIVERED TO THE GENERAL/PRIME CONTRACTOR AS REQUIRED BY SAME IN TIME FOR THE GC'S FIRST SUBMISSION OF THE PROPOSED PROJECT CONSTRUCTION SCHEDULE BEING SUBMITTED TO THE GOVERNMENT FOR REVIEW.
- GENERAL/PRIME CONTRACTOR RESPONSIBLE FOR COORDINATION
  - THE GENERAL/PRIME CONTRACTOR SHALL BE RESPONSIBLE TO FULLY IDENTIFY, DOCUMENT, MAKE SUBMISSIONS, TRACK, COORDINATE, OBTAIN CONTRACTING OFFICER (CO) APPROVALS AND INCLUDE THE COST OF ALL SUCH EQUIVALENT SUBSTITUTION, WORK IN THEIR COST OF CONSTRUCTION AS WELL AS ALLOWED FOR WITHIN THEIR PROJECT SCHEDULE.
  - THE GENERAL/PRIME CONTRACTOR HAVING BEEN MADE FULLY AWARE OF POTENTIAL EQUIVALENCY SUBSTITUTIONS AND IMPACTS DURING THE BIDDING PROCESS SHALL INCLUDE AND DOCUMENT THIS BOD PROCESS IN THEIR DETAILED PROJECT SCHEDULE ALLOWING A SEPARATE TASK ITEM TIMELINE FOR EACH WITH CRITICAL DATES AND PERFORMANCE TARGETS IDENTIFIED AND TRACKED.
  - THE GENERAL/PRIME CONTRACTOR SHORTLY AFTER CONTRACT AWARD AND EXECUTION SHALL NOTIFY AND COORDINATE WITH THE VA/CO, ALL SUCH KNOWN EQUIVALENT SUBSTITUTION REQUESTS ALONG WITH ALL POSSIBLE IMPACTS FROM THE SPECIFIC BOD REQUIREMENTS PROVIDED IN THE DRAWINGS AND SPECIFICATIONS.
  - ALL SUCH IMPACTS, DEPARTURES, ALTERATIONS OR ADJUSTMENTS REQUIRED TO ELEMENTS OF WORK WILL BE FULLY IDENTIFIED, DOCUMENTED AND SUBMITTED TO THE VA/CO FOR REVIEW, EVALUATION AND DIRECTION(S) ON HOW TO PROCEED.
  - THE GENERAL/PRIME CONTRACTOR WILL ALSO BE RESPONSIBLE TO FULLY IDENTIFY AND COORDINATE ALL EQUIVALENCY SUBSTITUTION IMPACTS WITH ALL AFFECTED CONTRACTORS AND TRADES TO BE SURE THAT ALL SUCH WORK IS INCLUDED IN THEIR SCOPE OF WORK.
- TRACKING LIST OF PROPOSED EQUIVALENT SUBSTITUTIONS AND IMPACTS
  - THE SUCCESSFUL GENERAL/PRIME CONTRACTOR SHALL PREPARE A COMPLETE MASTER LISTING, BY SPECIFICATION AND/OR DRAWING SECTIONS, OF ALL PROPOSED EQUIVALENT SUBSTITUTION REQUESTS.
  - THIS MASTER LISTING WILL CONSIST OF A SUMMARY DESCRIPTION OF EACH REQUEST ALONG WITH A BULLET POINT LISTING OF THE MAJOR IMPACTS, DEPARTURES, ALTERATIONS AND ADJUSTMENTS REQUIRED RESULTING FROM IT.
  - THIS DOCUMENT WILL BE PREPARED AS A SPREAD SHEET AND UTILIZED AS A TRACKING TOOL FOR DOCUMENTING ALL SIGNIFICANT ASSOCIATED DATES, ACTION ITEMS, CURRENT STATUS, REJECTIONS, RESUBMISSIONS, APPROVALS AND ADDITIONAL PERTINENT ISSUES AND ITEMS TO BE RECORDED AND TRACKED AS REQUIRED BY THE VA/CO.

- TRACKING LIST OF PROPOSED EQUIVALENT SUBSTITUTIONS AND IMPACTS
  - THE SUCCESSFUL GENERAL/PRIME CONTRACTOR SHALL SUBMIT TO THE VA/CO FOR PRELIMINARY REVIEW A MASTER SUMMARY LISTING OF ALL EQUIVALENT SUBSTITUTION REQUESTS WITH ANY/ALL IMPACTS IDENTIFIED A MINIMUM OF TWO WEEKS PRIOR TO THE FIRST SUBMISSION OF THEIR PROJECTED PROJECT SCHEDULE.
  - A SEPARATE FULLY DETAILED SUBMISSION DOCUMENTATION PACKAGE SHALL BE PREPARED FOR EACH SUBSTITUTION REQUEST AND WILL CONSIST OF STEPS NUMBER 2, 3, 4 & 5 ALONG WITH ANY ADDITIONAL PERTINENT INFORMATION DEEMED NECESSARY SUCH AS SKETCHES, DETAILED DRAWINGS, ENGINEERING DESIGN AND CALCULATIONS, MORE DETAILED DESCRIPTIONS, ETC. THIS SUBMISSION DOCUMENTATION PACKAGE SHALL BE SUBMITTED WITH THE FIRST SUBMISSION OF THEIR PROJECTED PROJECT SCHEDULE TO THE VA/CO.
- VA REVIEW AND ACTION NOTIFICATION
  - THE VA/CO SHALL REVIEW EACH SUBSTITUTION REQUEST PACKAGE AND TAKE SUCH ACTION AS DEEMED NECESSARY ON EACH. SUCH ACTION COULD CONSIST OF REJECTION, APPROVAL OR DIRECTION ON PROVIDING MORE DETAILED INFORMATION AND/OR CLARIFICATION(S) ON EACH SUBMISSION AND/OR EACH IMPACT.
- VA APPROVAL ALLOWS SHOP DRAWING PROCESS TO BEGIN
  - PRIOR TO THE CONTRACTOR(S) BEING ALLOWED TO PROCEED WITH SHOP DRAWING PREPARATION AND THE OFFICIAL SHOP DRAWING SUBMISSION(S) PROCESS, THEY WILL FIRST NEED TO OBTAIN THE VA/CO APPROVAL(S) ON EACH EQUIVALENT SUBSTITUTION REQUEST THAT WILL AFFECT THE SHOP DRAWING PROCESS FOR THAT SPECIFIC ITEM AND AREA OF WORK.
- IMPLEMENTATION OF SUBSTITUTION(S) AND IMPACT(S)
  - ONCE APPROVED BY THE VA/CO THE CONTRACTORS SHALL PERFORM THEIR FINAL COORDINATION EFFORTS AND BEGIN THE NORMAL SHOP DRAWING PREPARATION AND SUBMITTAL PROCESS INCLUDING PROVIDING ANY ADDITIONAL ENGINEERING WORK NECESSITATED BY THE EQUIVALENT SUBSTITUTION.
  - THE GENERAL/PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL WORK ASSOCIATED WITH AND IMPACTED BY ANY EQUIVALENT SUBSTITUTION ALONG WITH THE COMPLETE COORDINATION AND MANAGEMENT OF THE WORK WITHOUT ADDITIONAL COST TO THE GOVERNMENT.

**SPECIAL SAFETY NOTES**

- ALL CONTRACTORS, SUBCONTRACTORS AND THEIR REPRESENTATIVES WORKING ON THIS PROJECT SHALL AT ALL TIMES PRIOR TO AND DURING THE COURSE OF THEIR ACTIVITY BE RESPONSIBLE FOR THE SAFETY OF THEIR EMPLOYEES, ALL OTHERS AND ARE TO BE IN CARE OF THE PROPERTY.
- EACH CONTRACTOR OR SUBCONTRACTOR, AS REPRESENTATIVES OF THEIR EMPLOYEES, SHALL ASCERTAIN THAT THE CONDITIONS UNDER WHICH THEY WILL BE REQUIRED TO ACCOMPLISH THEIR WORK ARE SAFE AND MEET ALL APPLICABLE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HAZARD ACT, ALONG WITH ALL OTHER APPLICABLE GOVERNING REGULATIONS AND VA REQUIREMENTS.
- THE BEGINNING OF WORK ON SITE BY A CONTRACTOR OR SUBCONTRACTOR SHALL INDICATE HIS/HER SATISFACTION AND FULL ACCEPTANCE OF THE CURRENT SITE CONDITIONS REGARDING SAFETY AND THE NECESSARY COMPLIANCE WITH ALL CONTRACT REQUIREMENTS REGARDING SAME. THE CONTRACTOR ACCEPTS FULL RESPONSIBILITY FOR ANY ACCIDENTS, INJURIES, AND/OR DAMAGES INCURRED AS A RESULT OF ANY VISIBLE OR KNOWN UNSAFE CONDITIONS THAT EXIST.
- IF UNSATISFIED WITH THE CURRENT SITE SAFETY CONDITIONS AND/OR THE NECESSARY COMPLIANCE, THE CONTRACTOR OR SUBCONTRACTOR SHALL INDICATE THE ACTIONS AND/OR DEVICES NECESSARY TO RENDER THE JOB-SITE SAFE. IF THE WORK OF OTHER PARTIES, UPON INSPECTION, IS FOUND AT ANY TIME TO BE UNSAFE THE CONTRACTOR OR SUBCONTRACTOR SHALL IMMEDIATELY STOP ALL WORK AND NOTIFY THE GENERAL/PRIME CONTRACTOR AND THE VA/CO. THE SUBMISSION OF A BID FOR ANY PORTION OF WORK INCLUDED IN THIS CONTRACT SHALL ALSO INDICATE ACKNOWLEDGMENT AND ACCEPTANCE OF THESE REQUIREMENTS.

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100% CONSTRUCTION DOCUMENTS SUBMISSION	07/23/2021
95% CONSTRUCTION DOCUMENTS SUBMISSION	02/12/2021
80% DESIGN DEVELOPMENT SUBMISSION	09/11/2020
30% SCHEMATIC DESIGN SUBMISSION	05/24/2020
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**CONSULTANT**

**ARCHITECT/ENGINEER OF RECORD**



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**STAMP**

Office of Construction and Facilities Management  
VA U.S. Department of Veterans Affairs

Drawing Title  
**GENERAL-CONTRACTOR & BASIS OF DESIGN PROTOCOL NOTES**

Approved: Project Director

Phase  
**100% CONSTRUCTION DOCUMENTS**

**FULLY SPRINKLERED**

**VA CONTRACT NO: 36C24519C0171**

Project Title <b>RENOVATE/UPGRADE NFS KITCHEN - BUILDING 500 BASEMENT</b>	Project Number <b>613-19-103</b>
Location 510 BUTLER AVENUE, MARTINSBURG, WV 25405	Drawing Number <b>GI001</b>
Issue Date 07/23/21	Checked II
Drawn DMKA	



DEMOLITION PLAN LEGEND

-  EXISTING CONSTRUCTION TO REMAIN
-  EXISTING CONSTRUCTION TO BE REMOVED, INCLUDING ALL MOUNTED ACCESSORIES, CORNER GUARDS, HANDRAILS, ETC. PATCH ABUTTING WALLS, FLOORS, CEILINGS AND ROOF AS REQUIRED. REMOVE EXISTING ITEMS SCHEDULED TO REMAIN AS NECESSARY TO ALLOW THE COMPLETE DEMOLITION OF SELECTED ITEMS. REPAIR/REPLACE EXISTING ITEMS ONCE DEMOLITION IS COMPLETED.
-  EXISTING DOOR TO BE REMOVED
-  EXISTING 2 HOUR FIRE & SMOKE SEPARATION
-  EXISTING 1 HOUR FIRE & SMOKE SEPARATION
-  AREA OF NO WORK - EXCEPT WHERE OTHERWISE NOTED IN MEP AND FP DRAWINGS.
-  AREA OF FLOOR DEPRESSION

GENERAL DEMOLITION NOTES

GENERAL NOTES FOR CONTRACTORS: SEE ALL PROJECT GENERAL NOTES AND OTHER REQUIREMENTS INCLUDING THE LIFE SAFETY AND INFECTION CONTROL WORK LOCATED WITHIN THE GENERAL DRAWINGS SECTION. COMPLY WITH ALL REQUIREMENTS AS THEY ARE A DIRECT PART OF THIS SECTION AS IF THEY WERE DIRECTLY INCLUDED AND PROVIDED HEREIN.

PROTECTION PROTOCOLS: VERIFY AND COORDINATE ALL PROTECTION REQUIREMENTS TO BE PROVIDED FOR EACH SPECIFIC AREA OR LOCATION OF SCHEDULED WORK WITH THE VA/COR. BEFORE BEGINNING ANY WORK. WHEN PERFORMING DEMOLITION WORK IN ANY OCCUPIED SPACES FOLLOW THE "OCCUPIED AREAS PROTECTION PROTOCOLS" UNLESS MODIFIED IN WRITING BY THE VA/COR ON A CASE BY CASE BASIS.

1. BEFORE BEGINNING ANY DEMOLITION WORK EACH CONTRACTOR AND DISCIPLINE SHALL PERFORM A FULL EXAMINATION OF ALL AREAS OF WORK AND FULLY VERIFY ALL EXISTING CONDITIONS ALONG WITH ALL OF THE AREAS OF WORK FOR ANY UNFORESEEN CONDITIONS OR DISCREPANCIES FROM THE DOCUMENTATION THAT WOULD AFFECT THEIR WORK AND/OR THE WORK OF OTHERS. ANY UNFORESEEN CONDITIONS OR DISCREPANCIES DISCOVERED ARE TO BE IMMEDIATELY IDENTIFIED AND COORDINATED WITH THE GENERAL PRIME CONTRACTOR WHO SHALL IN TURN DOCUMENT AND PROMPTLY REPORT ANY SUCH CONDITIONS DIRECTLY TO THE VA/COR FOR DIRECTION ON HOW TO PROCEED BEFORE ALLOWING ANY WORK TO BEGIN.

2. ALL REQUIRED DEMOLITION WORK IS NOT NECESSARILY LIMITED TO WHAT IS ONLY SPECIFICALLY SHOWN OR DIRECTLY CALLED OUT ON THE DEMOLITION PLANS OR THAT IS ONLY SPECIFICALLY IDENTIFIED WITHIN THE DEMOLITION NOTES DESCRIPTIONS. THE INTENT OF THE DOCUMENTATION IS TO GENERALLY IDENTIFY THE MORE SPECIFIC MAJOR ELEMENTS OF WORK IN PLACE THAT SHALL REQUIRE REMOVAL AND/OR REWORK IN ORDER TO ACCOMPLISH THE DESIGN INTENT OF THE DOCUMENTS. THE FULL EXTENT OF DEMOLITION WORK COULD INCLUDE BUT NOT NECESSARILY BE LIMITED TO ALL AFFECTED LESSER ELEMENTS OF ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, MEDICAL GASES, FIRE PROTECTION SPRINKLER SYSTEMS AND ALL ELECTRICAL SYSTEMS WORK INCLUDING HIGH AND LOW VOLTAGE POWER, COMMUNICATION SYSTEMS SUCH AS CCTV, SECURITY, IT DATA, LIFE SAFETY, FIRE PROTECTION, NURSE CALL, PA, BAS CONTROLS SYSTEMS, TEMPERATURE AND OTHERWISE, ETC.

3. ALL REQUIRED DEMOLITION WORK IS NECESSARY TO FACILITATE THE EXTENT OF BOTH THE NEW CONSTRUCTION WORK AS WELL AS TO FACILITATE THE REPLACEMENT, RELOCATION AND/OR THE REWORKING OF THE EXISTING SYSTEMS. ANY REWORKING OF THE CURRENT ELEMENTS AND COMPONENTS CURRENTLY NEEDING TO BE MODIFIED IN ORDER TO PROPERLY SUPPORT THE COMPLETED PROJECT SHALL BE PROVIDED AS INTENDED TO CONFORM WITH THE ORIGINAL DESIGN INTENT WHETHER SPECIFICALLY CALLED FOR IN GREAT DETAIL WITH EVERY ANCILLARY ELEMENT FULLY NAMED AND IDENTIFIED OR AS CALLED OUT AS A GENERAL COMPONENT PORTION OF WORK THAT NEEDS TO BE PROPERLY REMOVED IN ORDER TO COMPLETE THE SCOPE OF WORK AS INTENDED TO COMPLY WITH ALL BASIS OF DESIGN REQUIREMENTS.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE DEMOLITION AND REMOVAL OF ALL EXISTING WALLS, CEILINGS, SUSPENSION SYSTEMS, FLOORING, ELECTRICAL, TELEPHONE AND PLUMBING CONSTRUCTION AS WELL AS ALL MATERIALS, FINISHES AND EQUIPMENT THAT IS NOT SPECIFICALLY SHOWN OR CALLED FOR AS REQUIRED TO FACILITATE THE NEW CONSTRUCTION WORK INSIDE THE CONTRACT AREA, THE ADJACENT SPACES AND THE SPACES ABOVE AND BELOW. SOME ADDITIONAL ITEMS THAT MAY NOT BE SPECIFICALLY SHOWN IN GREAT DETAIL ON THE DEMOLITION PLAN THAT ARE A PART OF THE DEMOLITION WORK, BUT NOT LIMITED TO, ARE CASEWORK, SHELVING, BRACKETS, STANDARDS, DOOR HARDWARE, MISCELLANEOUS OTHER HARDWARE, SIGNAGE, FLOORING MATERIALS, WALL BASE, WOOD GROUNDS, WALL COVERING MATERIALS, BACKING LINERS OR BOARDS, ANY REMAINING MASTIC, GROUT, CAULKING AND SEALANTS, EXPOSED ANCHORS AND FASTENERS, FRAMING MATERIALS, BACKER BOARDS OR METAL PLATES, CHAIR RAILS, BRACKETS, HOOKS, SURFACE MOUNTED OR RECESSED ACCESSORIES, PRIVACY CURTAINS AND TRACKS, ETC.

5. ALL DEMOLITION WORK SHALL BE PERFORMED IN A SYSTEMATICALLY SAFE FULLY SUPERVISED COORDINATED AND PROPERLY MANAGED SEQUENCE OF WORK UNDER THE DIRECT SUPERVISION OF THE GENERAL PRIME CONTRACTOR'S SUPERINTENDENT AND/OR THEIR MANAGEMENT PERSONNEL INCLUDING THE PERFORMANCE OF ANY ANCILLARY ELEMENTS OF SELECTIVE DEMOLITION.

6. ALL DEMOLITION, THE HANDLING OF MATERIALS AND EQUIPMENT ALONG WITH THE MOVEMENT OF THESE ELEMENTS THROUGHOUT THE FACILITY SHALL BE PERFORMED SO AS TO PREVENT DAMAGE TO ADJACENT IMPROVEMENTS AND FACILITIES TO REMAIN AS WELL AS TO PROVIDE SAFETY FOR ALL TRADES/PEOPLE, STAFF, RESIDENTS/PATIENTS, VISITORS AND SERVICE PROVIDERS.

7. PROVIDE ALL PHYSICAL AND ENVIRONMENTAL PROTECTIVE MEASURES AS REQUIRED BY THE PROJECT DOCUMENTS, VA FEDERAL AND LOCAL REQUIREMENTS, APPLICABLE OSHA REGULATIONS, THE STATION AND ALL LOCAL INFECTION CONTROL AUTHORITIES, NFPA REQUIREMENTS, THE VA/COR AND ALL OTHER REGULATORY AGENCIES AND VA AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT.

8. PROVIDE ALL TEMPORARY PARTITIONS, PROTECTION, DOOR ACCESS UNITS, ENCLOSURES, WALKWAYS, FENCING, RAILINGS, CANOPIES, AIR FILTRATION DEVICES, VESTIBULES, AIRLOCKS, ETC., WHERE REQUIRED BY THE CONTRACT DOCUMENTS, THE VA/COR AND ALL AUTHORITIES HAVING JURISDICTION OVER THE PROJECT AND SHALL BE SURE TO MAINTAIN ADEQUATE AND SAFE EMERGENCY MEANS OF EGRESS FROM ALL AREAS. ALL SUCH WORK NEEDING TO BE PROVIDED WILL REQUIRE VA/COR REVIEW AND APPROVAL BEFORE BEGINNING ANY OF SUCH WORK.

9. GREAT CARE SHALL BE TAKEN WHEN PERFORMING SELECTIVE DEMOLITION IN THE UTILIZATION OF MORE SENSITIVE AND LESS EVASIVE METHODS OF DEMOLITION/REMOVAL, AS WELL AS PROVIDING THE APPROPRIATE ENHANCED PROTECTIVE BARRIERS IN ORDER TO PROVIDE FOR THE LEAST AMOUNT OF DAMAGE TO THE WORK THAT IS TO REMAIN IN PLACE. EXISTING FINISHED SURFACES, MATERIALS AND EXPOSED EQUIPMENT THAT WOULD RECEIVE SIGNIFICANT AMOUNTS OF SURFACE DAMAGE AND WOULD REQUIRE SIGNIFICANT AMOUNTS OF PATCHING, REPAIRS AND REFINISHING WORK SHALL BE DEEMED AS DAMAGED AND UNUSABLE AND WILL NEED TO BE REPLACED IN WHOLE BY THE RESPONSIBLE CONTRACTOR AND ITS REPLACEMENT ONCE COMPLETED WILL NEED TO RECEIVE VA/COR APPROVAL.

10. WHERE EXISTING FLOOR FINISHES ARE TO BE FULLY REMOVED TO ALLOW FOR THE INSTALLATION OF NEW, PROVIDE FOR THE COMPLETE REMOVAL OF THE EXISTING FLOOR FINISHES ALONG WITH ALL ASSOCIATED ATTACHMENT SYSTEMS SUCH AS MASTICS, ADHESIVES, TACKLES STRIPS, STAPLES, SETTING BEDS OF GROUT, MORTAR OR CONCRETE, CARPET PADDING, ATTACHED SUBFLOORING MATERIALS, ETC. AS REQUIRED TO GET DOWN TO THE EXISTING STRUCTURAL FLOOR SUBSTRATE THAT CAN BE PROPERLY PATCHED, REPAIRED, LEVELED AND MADE READY TO RECEIVE THE NEW FLOOR FINISHES.

11. ITEMS INDICATED TO BE REMOVED AND SALVAGED FOR THE VA SHALL REMAIN THE VA'S PROPERTY AND SHALL BE CAREFULLY REMOVED, CLEANED AND PROTECTED FROM DAMAGE BY THE CONTRACTOR RESPONSIBLE AT ALL TIMES. ALL SUCH ITEMS INDICATED TO BE SALVAGED WILL BE PACKAGED AND/OR CRATED AS REQUIRED BY THE VA/COR TO PROPERLY PROTECT THEM FROM DAMAGE CAUSED BY THE HANDLING, MOVING AND/OR THE STORAGE OF THESE ITEMS. ALL PACKAGES AND/OR CRATES OF ITEMS SHALL HAVE THEIR CONTENTS CLEARLY MARKED AND FULLY IDENTIFIED ON BOTH THE TOP AND ONE SIDE OF EACH CONTAINER TO BE COORDINATED WITH AND APPROVED BY THE VA/COR. DELIVER ALL SALVAGED MATERIALS TO THE LOCATIONS INDICATED IN THE PROJECT DOCUMENTATION OR TO THE GOVERNMENTS DESIGNATED STORAGE FACILITY ON THE STATIONS CAMPUS AS DIRECTED BY THE VA/COR.

12. UNLESS OTHERWISE INDICATED OR STATED TO BE SAVED, SALVAGED OR IDENTIFIED AS NEEDING TO REMAIN OR BE RELOCATED AND/OR REUSED, ALL ITEMS IDENTIFIED TO BE REMOVED, DEMOLISHED, SCRAPED, ETC. BECOMES THE PROPERTY AND RESPONSIBILITY OF THE CONTRACTOR AND AS SUCH IT IS THEIR RESPONSIBILITY TO REMOVE ALL SUCH ITEMS FROM THE SITE ON A DAILY BASIS UNLESS OTHERWISE APPROVED BY THE VA/COR.

13. DEMOLITION ITEMS OF VALUE TO THE CONTRACTOR(S) ARE NOT TO BE STORED ON SITE AND NEED TO BE REMOVED ON A DAILY BASIS UNLESS OTHERWISE APPROVED BY THE VA/COR.

14. ALL ITEMS OF WORK THAT ARE IDENTIFIED AS EXISTING TO BE REMOVED AND REUSED/REINSTALLED SHALL BE CAREFULLY DISCONNECTED, DETACHED, REMOVED AND DISASSEMBLED AS REQUIRED FOR CONVENIENCE AND EASE OF HANDLING, MOVING, STORAGE AND FOR THEIR PROTECTION FROM DAMAGE. ALL SUCH ITEMS ARE TO BE INDIVIDUALLY WRAPPED, BOXED OR PLACED IN CARTONS FOR THE EASE OF HANDLING THE MATERIALS AND THEIR PLACEMENT IN A VA/COR IDENTIFIED PROTECTED STORAGE AREA (TBD) LOCATED ON THE STATION BUT NOT NECESSARILY CONVENIENT TO THE SITE OF THE WORK. EACH ITEM SHALL BE FULLY CLEANED, FREE FROM DAMAGE, PREPARED FOR SERVICE AND FULLY TESTED TO VERIFY ITS ABILITY FOR PROPER FUNCTIONAL REUSE PRIOR TO BEING PLACED IN STORAGE. THE CONTRACTOR TAKES RESPONSIBILITY FOR AND CERTIFIES ITS PERFORMANCE CAPABILITIES AND THE FACT THAT IT IS NOT DAMAGED AND FULLY CAPABLE FOR REUSE WHEN READY FOR ITS REINSTALLATION. IN THE EVENTUALITY THAT AN ITEM IS ULTIMATELY FOUND TO BE DAMAGED OR INOPERABLE AT THE POINT OF REINSTALLATION THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A NEW ITEM/DEVICE ALONG WITH ALL ANCILLARY SUPPORT WORK AND EQUIPMENT NECESSARY TO FULLY REPLACE THE EXISTING.

15. WHERE EXISTING MATERIALS, ITEMS OR EQUIPMENT ARE TO BE REMOVED FOR THEIR REPLACEMENT IN THE SAME LOCATION BY THE SAME OR SIMILAR NEW MATERIALS, ITEMS OR EQUIPMENT, CAREFULLY DISCONNECT, DETACH, DISASSEMBLE IF REQUIRED, REMOVE AND DISPOSE OF THE ITEMS INDICATED ALONG WITH ANY AND ALL ANCILLARY SYSTEM COMPONENTRY OR SUPPORT ITEMS ADDITIONALLY IDENTIFIED OR REQUIRED TO BE REPLACED.

16. WHERE STRUCTURAL SUPPORT OF EXISTING CONSTRUCTION ELEMENTS OR PORTIONS OF STRUCTURAL ELEMENTS TO REMAIN IS REQUIRED THE RESPONSIBLE CONTRACTOR PERFORMING THE WORK SHALL PROVIDE AND MAINTAINING ALL NECESSARY STRUCTURAL SUPPORTS, SHORING, STIFFENERS, BRACING, BEAMS, COLUMNS, FOOTINGS AND SUPPORTS AS NECESSARY TO ENSURE THE STABILITY OF THE ELEMENTS BEING SUPPORTED AND TO ADEQUATELY DISTRIBUTE ANY TEMPORARY LOADING SO AS NOT TO OVER LOAD ANY OF THE EXISTING STRUCTURE AND THE CONSTRUCTION BELOW. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL STRUCTURAL ENGINEERING ANALYSIS, CALCULATIONS AND SOLUTIONS FOR PROVIDING ANY SUCH WORK AND WILL NEED TO PROVIDE ALL SUCH PROPER DOCUMENTATION PREPARED BY A LICENSED STRUCTURAL ENGINEER TO THE VA/COR AS A SHOP DRAWING SUBMITTAL FOR PROPER REVIEW AND APPROVAL BEFORE BEING ALLOWED TO BEGIN ANY SUCH WORK.

17. ALL EXISTING CONSTRUCTION OR ITEMS INDICATED TO REMAIN IN PLACE AND OPERATION SHALL BE PROTECTED FROM DAMAGE BOTH DURING THE DEMOLITION OPERATIONS AS WELL AS THE NEW CONSTRUCTION EFFORTS. WHERE PRACTICABLE, AND WITH THE VA/COR'S APPROVAL, THE CONTRACTOR MAY ELECT TO REMOVE SUCH ITEMS TO A SUITABLE STORAGE LOCATION DURING THE DEMOLITION PHASE AND THEN PROPERLY CLEAN AND REINSTALL THE ITEMS WHEN APPLICABLE. IN NO CASE SHALL ANY LIFE SAFETY DEVICES, SYSTEMS OR MEASURES BE COMPROMISED BY THE TEMPORARY REMOVAL OF ANY NECESSARY ELEMENTS OF WORK. FOR THE CONVENIENCE OF THE CONTRACTOR, THAT WERE NOT PROPERLY REPLACED IN KIND WITH A SIMILAR PROPERLY OPERATING TEMPORARY DEVICE.

18. DURING THE COURSE OF SELECTIVE DEMOLITION OR REMOVAL OPERATIONS AND THE EXISTING SUBSTRATE MATERIALS/CONSTRUCTION IS DAMAGED BEYOND REASONABLE REPAIR, THE CONTRACTOR SHALL BE RESPONSIBLE TO FULLY REPLACE THE ENTIRE DAMAGED SECTION AND/OR SECTIONS. THIS DAMAGED AREA SHALL BE REMOVED AND REPLACED AS REQUIRED TO REPAIR THE SUBSTRATE TO A LIKE NEW CONDITION THAT CONTAINS NO IRREGULAR JOINT CONNECTIONS, CONDITIONS, DEFECTS, WEAKNESS OR WILL CAUSE ADVERSE EFFECTS THAT WILL RESULT IN ANY DIFFERENTIAL FINISHED SURFACE CONDITIONS OR AREAS OF JOINT WEAKNESS THAT WILL RESULT IN SURFACE CRACKING AND BE APPARENT THAT THE CONDITION IS IN FACT A PATCH/REPAIR.

19. REFER TO ALL ENGINEERING DISCIPLINE DRAWINGS AND DOCUMENTATION FOR THE BASIC EXTENT BEING REQUIRED FOR ALL INFRASTRUCTURE AND SYSTEMS DEMOLITION AS WELL AS FOR IDENTIFYING ALL EXISTING EQUIPMENT, PIPING, CONDUITS, DUCTWORK, WIRING, CONTROLS, ETC. THAT ARE INTENDED TO REMAIN WITHIN ANY OF THE AREAS OF DEMOLITION, THE AREAS OF REWORKING OF EXISTING SYSTEMS AND THE AREAS OF NEW WORK.

20. UNLESS OTHERWISE NOTED ALL EXISTING PARTITION CONSTRUCTION WITHIN THE PROJECT AREA OF WORK SCHEDULED TO RECEIVE NEW FINISHES SHALL HAVE ALL EXISTING FINISHES REMOVED INCLUDING BUT NOT LIMITED TO ALL CERAMIC TILE, VINYL WALL COVERING, WOOD PANELING, WAHNSCOT MATERIALS, GROUT, MASTIC, WALL COVERING BACKING, WALL BASE, ADHESIVE, STAPLES, EXPOSED FASTENERS, ETC. SUCH THAT THE SUB-STRAIGHT WALL/PARTITION SURFACES REQUIRE NO FURTHER DEMOLITION AND ARE PREPARED TO RECEIVE ALL REQUIRED PATCHING, REPAIRS, RESURFACING AND REFINISHING AS REQUIRED TO RECEIVE THE NEW FINISHES.

21. ALL FINISHED AREAS ADJACENT TO OR INCLUDED WITHIN THE AREA(S) OF CONSTRUCTION ALONG WITH ALL PUBLIC PROJECT ACCESS ROUTES SHALL BE PROTECTED FROM DUST AND DIRT THROUGH THE USE OF VA/COR APPROVED DUSTPROOF PROTECTION. SEE THE OCCUPIED AREA PROTECTION PROTOCOLS PROVIDED IN THE "GENERAL" DRAWINGS SECTION AND COORDINATE ALL SITE SPECIFIC CONDITIONS IMPACTS ENCOUNTERED WITH THE VA/COR.

22. ALL NEW WORK ALONG WITH ANY PORTIONS OF EXISTING EQUIPMENT, MATERIALS OR REWORKED ELEMENTS WHEN COMPLETED SHALL FULLY COMPLY WITH ALL BASES OF DESIGN REQUIREMENTS.

23. IT SHALL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO ADEQUATELY PROTECT EXISTING CONSTRUCTION AND FINISHES TO REMAIN IN PLACE DURING BOTH THE DEMOLITION AND CONSTRUCTION SEQUENCES OF WORK. ANY DAMAGE TO SUCH AREAS SHALL BE RESTORED AND REFINISHED TO A "LIKE-NEW" CONDITION PRIOR TO THE VA/COR'S ACCEPTANCE OF THAT WORK.

24. THE GENERAL PRIME CONTRACTOR IS RESPONSIBLE FOR THE PATCH, REPAIR, REFINISHING AND/OR REPLACEMENT OF ALL CONSTRUCTION, MATERIALS, ASSEMBLIES, EQUIPMENT, SIGNAGE AND FINISHES DAMAGED BY THE PROJECT DEMOLITION, TEMPORARY CONSTRUCTION, NEW CONSTRUCTION OR THE MOVEMENT OF PERSONNEL, TOOLS, EQUIPMENT, MATERIALS, ETC. BOTH INSIDE AND OUTSIDE OF THE DESIGNATED AREAS OF WORK.

25. PROVIDE THE CUTTING AND PATCHING FOR ALL DEMOLITION WORK AND ALL NEW CONSTRUCTION WORK BEING PERFORMED OUTSIDE OF THE PROJECT LIMIT LINES AS REQUIRED TO PROPERLY COMPLETE THE PROJECT SCOPE OF WORK.

26. ALL CUTTING, CORING AND DRILLING OF EXISTING CONCRETE AND MASONRY CONSTRUCTION SHALL NOT DAMAGE EXISTING REINFORCING STEEL, PIPING, CONDUITS OR OTHER CONCEALED CONSTRUCTION WITHIN. PRIOR TO CORING, DRILLING, CUTTING OR PERFORMING ANY BREAKING EFFORTS, PROVIDE PENETRATING FIELD X-RAYS OF THE INTENDED AREAS AND DOCUMENT THE EXACT SIZE AND LOCATIONS OF ALL SUCH INTERFERENCES. COORDINATE WITH AND OBTAIN VA/COR APPROVAL BEFORE PROCEEDING WITH ANY SUCH REQUIRED PENETRATIONS WORK.

27. THE GENERAL PRIME CONTRACTOR IS RESPONSIBLE TO PROVIDE THE REMOVAL OF ALL CONSTRUCTION DEMOLITION DEBRIS, SPOIL AND MATERIALS FROM THE PROJECT SITE ON A DAILY BASIS UNLESS SPECIFICALLY REFERENCED OTHERWISE IN THE PROJECT SPECIFIC LOGISTICAL SEQUENCING REQUIREMENTS OR AS APPROVED BY THE VA/COR.

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CONSULTANT

ARCHITECT/ENGINEER OF RECORD

STAMP

Office of Construction and Facilities Management

Drawing Title  
GENERAL - DEMOLITION NOTES

Phase  
100% CONSTRUCTION DOCUMENTS

VA CONTRACT NO: 36C24519C0171

Project Title  
RENOVATE/UPGRADE NFS KITCHEN - BUILDING 500 BASEMENT

Project Number  
613-19-103

Building Number  
500

Drawing Number  
GI003

100% CONSTRUCTION DOCUMENTS SUBMISSION	07/23/2021
95% CONSTRUCTION DOCUMENTS SUBMISSION	02/12/2021
60% DESIGN DEVELOPMENT SUBMISSION	09/11/2020
30% SCHEMATIC DESIGN SUBMISSION	05/24/2020
Revisions:	Date:



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Approved: Project Director

FULLY SPRINKLERED

Location 510 BUTLER AVENUE, MARTINSBURG, WV 25405	Issue Date 07/23/21	Checked II	Drawn DMKA
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EGRESS REQUIREMENTS						
	NFPA 101 (2018)		PROVIDED			
	SECTION	REQUIREMENT	NFS KITCHEN	NFS OFFICE AREA	SWING SPACE	
OCCUPANT LOAD	TABLE 7.3.1.2	150 GSF (BUSINESS) 100 GSF (KITCHEN)	NFPA: 18,111 SF / 100 GSF = 182 OCC IBC: 16,111 SF / 200 GSF = 81 OCC	IBC: 2,417 SF / 150 GSF = 17 OCC	IBC: 5,095 SF / 150 GSF = 34 OCC	
EXIT ACCESS TRAVEL DISTANCE	18.2.6.2.1	200 FT. W/ SPRINKLER SYSTEM				
COMMON PATH OF EGRESS TRAVEL DISTANCE	18.2.5.3	100 FT.				
CORRIDOR SEPARATION	18.3.6.2.2	0 HR	NO CHANGE	NO CHANGE	NO CHANGE	
CORRIDOR WIDTH (MIN. REQUIRED)	18.2.3.4, 7.3.3.1, and 7.3.4.1	36 INCHES (MIN); 36 INCHES FOR < 50 OCC.; 44 INCHES FOR > 50 OCC.; OTHERWISE 0.2 INCH PER OCCUPANT (SPRINKLER)	NO CHANGE	NO CHANGE	NO CHANGE	
DEAD-END CORRIDORS	18.2.5.2	30 FT.	38 FT. (MAX.)	NONE	NONE	
MINIMUM CEILING HEIGHT	7.1.5.1.1	7'-6" NEW (7'-0" EXISTING)				

**EMERGENCY EGRESS ILLUMINATION:** AVERAGE OF 1.0 FOOT CANDLES AT EGRESS PATHS WITH A MIN. OF 0.1 CANDLE AT ANY POINT.

**POWER SUPPLY:** MEANS OF EGRESS ILLUMINATION NORMAL POWER IS TO BE PROVIDED BY PREMISES ELECTRICAL SYSTEM.

a. EGRESS ILLUMINATION: EITHER BATTERIES, SECOND PRIMARY SOURCE OR GENERATOR WITH A MIN. OF A 1 1/2 HOUR DURATION.

b. EXIT SIGNS: ILLUMINATED AT ALL TIME, EMERGENCY POWER REQ. WITH 1 1/2 HOUR DURATION.

**\*A.39.2.5.2. IT IS RECOGNIZED THAT DEAD ENDS EXCEEDING THE PERMITTED LIMITS EXIST AND, IN SOME CASES ARE IMPRACTICAL TO NFPA 101. ELIMINATE THE AUTHORITY HAVING JURISDICTION MIGHT PERMIT SUCH DEAD ENDS TO CONTINUE TO EXIST, TAKING INTO 2018 CONSIDERATION ANY OR ALL OF THE FOLLOWING:**

- TENANT ARRANGEMENT
- AUTOMATIC SPRINKLERS
- SMOKE DETECTION
- EXIT REMOTENESS\*

EGRESS NOTES	
<b>EMERGENCY EGRESS ILLUMINATION:</b> AVERAGE OF 1.0 FOOT CANDLES AT EGRESS PATHS WITH A MIN. OF 0.1 CANDLE AT ANY POINT.	
<b>POWER SUPPLY:</b> MEANS OF EGRESS ILLUMINATION NORMAL POWER IS TO BE PROVIDED BY PREMISES ELECTRICAL SYSTEM.	
a. EGRESS ILLUMINATION: EITHER BATTERIES, SECOND PRIMARY SOURCE OR GENERATOR WITH A MIN. OF A 1 1/2 HOUR DURATION.	
b. EXIT SIGNS: ILLUMINATED AT ALL TIME, EMERGENCY POWER REQ. WITH 1 1/2 HOUR DURATION.	
<b>*A.39.2.5.2. IT IS RECOGNIZED THAT DEAD ENDS EXCEEDING THE PERMITTED LIMITS EXIST AND, IN SOME CASES ARE IMPRACTICAL TO NFPA 101. ELIMINATE THE AUTHORITY HAVING JURISDICTION MIGHT PERMIT SUCH DEAD ENDS TO CONTINUE TO EXIST, TAKING INTO 2018 CONSIDERATION ANY OR ALL OF THE FOLLOWING:</b>	
<ol style="list-style-type: none"> <li>TENANT ARRANGEMENT</li> <li>AUTOMATIC SPRINKLERS</li> <li>SMOKE DETECTION</li> <li>EXIT REMOTENESS*</li> </ol>	

APPLICABLE CODES	
<ul style="list-style-type: none"> <li>VA DIRECTIVES, DESIGN MANUALS, MASTER SPECIFICATIONS, VA NATIONAL CAD STANDARD APPLICATION GUIDE, AND OTHER GUIDANCE ON THE TECHNICAL INFORMATION LIBRARY (TIL) (HTTP://WWW.CFM.VA.GOV/TIL)</li> <li>NFPA 101 LIFE SAFETY CODE</li> <li>NFPA NATIONAL FIRE CODES WITH THE EXCEPTION OF NFPA 5000 AND NFPA 900</li> <li>OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS.</li> <li>VA SEISMIC DESIGN REQUIREMENTS, H-18-8</li> <li>NATIONAL ELECTRICAL CODE (NEC)</li> <li>INTERNATIONAL PLUMBING CODE (IPC)</li> <li>SAFETY CODE FOR ELEVATORS AND ESCALATORS, AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME) A 17.1</li> <li>ASME BOILER AND PRESSURE VESSEL CODE</li> <li>ASME CODE FOR PRESSURE PIPING</li> <li>ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARDS (ABAS) INCLUDING VA SUPPLEMENT, BARRIER FREE DESIGN GUIDE (PG-18-13)</li> <li>BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, AMERICAN CONCRETE INSTITUTE AND COMMENTARY (ACI 318)</li> <li>MANUAL OF STEEL CONSTRUCTION, LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)</li> <li>ENERGY POLICY ACT (EPACT)</li> <li>DOE INTERIM FINAL RULE: ENERGY CONSERVATION STANDARDS FOR NEW FEDERAL, COMMERCIAL AND MULTI-FAMILY HIGH-RISE RESIDENTIAL BUILDINGS AND NEW LOW-RISE RESIDENTIAL BUILDINGS, 10 CFR PARTS 433, 434 AND 435.</li> <li>FEDERAL LEADERSHIP IN HIGH PERFORMANCE AND SUSTAINABLE BUILDINGS: MEMORANDUM OF UNDERSTANDING (MOU)</li> <li>EXECUTIVE ORDER 13423: STRENGTHENING FEDERAL ENVIRONMENTAL ENERGY, AND TRANSPORTATION MANAGEMENT</li> <li>THE PROVISIONS FOR CONSTRUCTION AND SAFETY SIGNS, STATED IN THE GENERAL REQUIREMENTS SECTION 01010 OF THE VA MASTER CONSTRUCTION SPECIFICATION.</li> <li>VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY - ASHRAE STANDARD 62.1</li> <li>SAFETY STANDARD FOR REFRIGERATION SYSTEMS - ASHRAE STANDARD 15.</li> </ul>	

ARCHITECTURAL BARRIERS ACT (ABA) COMPLIANCE	
PER ICC/ANSI A117.1-2009 THE FOLLOWING SHALL FULLY COMPLY:	
A.	ACCESSIBLE MAIN ENTRY
B.	ACCESSIBLE ROUTE FROM ENTRY TO ELEVATOR LOBBY & ACCESSIBLE ELEVATOR TO ALL FLOORS
C.	ACCESSIBLE UNISEX TOILET ROOMS
D.	ACCESSIBLE HI-LO DRINKING FOUNTAINS
E.	ALL CONTROLS AND OPERABLE PARTS FULLY COMPLY AND ARE BETWEEN 15" AND 48"
F.	ALL SIGNAGE COMPLIES - IS OF BRILLE AND TACTILE AND IS LOCATED ON THE DOOR HANDLE SIDE OF DOOR, INSTALLED AT APPROPRIATE HEIGHT AND DISTANCE FROM DOOR FRAME.
G.	ALL STORAGE AREA FULLY COMPLY - CLOSET RODS, WALL MOUNTED CABINETS AND ANY TYPE OF SHELVING IS AT 48" ABOVE FINISH FLOOR TO TOP OF BOTTOM SHELF.

BUILDING 500 CODE REVIEW	
1.	CONSTRUCTION CLASSIFICATIONS: TYPE 1-B
2.	AUTOMATIC FIRE SUPPRESSION: ALL AREAS IN ACCORDANCE WITH NFPA 13
3.	OCCUPANCY CLASSIFICATIONS: (I-2) INSTITUTIONAL, NFPA 101 EXISTING HEALTHCARE OCCUPANCY
4.	AREA OF WORK: THE SCOPE OF THIS PROJECT IS TO RENOVATE AND UPGRADE APPROXIMATELY 16,000 SF OF INTERIOR SPACE FOR THE RENOVATION OF NUTRITION AND FOOD SERVICE KITCHEN ON THE BASEMENT FLOOR AND APPROXIMATELY 5,000 SF OF SWING SPACE LOCATED IN THE WAREHOUSE AREA ON THE BASEMENT FLOOR, INCLUDES PLUMBING, MECHANICAL, FIRE PROTECTION, AND SPRINKLER SYSTEM.
5.	BUILDING: EXISTING STAND-ALONE STEEL FRAME, CONCRETE AND MASONRY STRUCTURE WAS BUILT IN 1980. THE BUILDING IS THE MAIN HOSPITAL ON THE VA MEDICAL CAMPUS.

APPLICABLE CODES	
AUTHORITY HAVING JURISDICTION: VISION 4 SAFETY OFFICER	
ALL WORK SHALL COMPLY WITH THE FOLLOWING CODES:	
1.	VA DIRECTORIES, DESIGN MANUALS, MASTER SPECIFICATIONS, VA NATIONAL CAD STANDARD APPLICATION GUIDE, AND OTHER GUIDANCE ON THE TECHNICAL INFORMATION LIBRARY (TIL) (HTTP://WWW.CFM.VA.GOV/TIL)
2.	INTERNATIONAL BUILDING CODE (IBC) 2018 (ONLY PERTAINING TO ITEMS NOT ADDRESSED BY NFPA 101)
3.	NFPA 101 LIFE SAFETY CODE 2018
4.	NFPA NATIONAL FIRE CODES WITH THE EXCEPTION OF NFPA 5000 AND NFPA 900
5.	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS
6.	VA SEISMIC DESIGN REQUIREMENTS, H-18-8
7.	NATIONAL ELECTRICAL CODE (NEC) 2014
8.	INTERNATIONAL PLUMBING CODE (IPC) 2015
9.	ASME BOILER AND PRESSURE VESSEL CODE 2015
10.	ASME CODE FOR PRESSURE PIPING
11.	ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARDS (ABAS) INCLUDING VA SUPPLEMENT.
12.	BARRIER FREE DESIGN GUIDE (PG-18-13)
13.	BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, AMERICAN CONCRETE INSTITUTE AND COMMENTARY (ACI 318)
14.	INTERNATIONAL MECHANICAL CODE

BUILDING DATA			
OCCUPANCY	INSTITUTIONAL: HOSPITAL		
APPLICABLE CODE	SECTION	SECTION	NFPA 101, 2018
CONSTRUCTION TYPE	TABLE (601)	NFPA 220, TABLE 4.1.1	TYPE I (332)
ALLOWABLE AREA/FLOOR (SQ.FT.)	AUTOMATIC SPRINKLER INCREASE		
ACTUAL AREA (BUILDING FOOTPRINT)	TABLE (506.2)	N/A	N/A
GROSS AREA	BASEMENT	113,732 GSF	N/A
MAXIMUM ALLOWABLE HEIGHT	TABLE (504.3)	N/A	N/A
ACTUAL HEIGHT			

FIRE RESISTIVE RATINGS			
APPLICABLE CODES	NFPA 220 (2018)		PROVIDED/ACTUAL
	SECTION	REQUIREMENT	
PRIMARY STRUCTURAL FRAME	TABLE 4.1.1	N/A	EXISTING
BEARING WALLS			
EXTERIOR	TABLE 4.1.1	3 HR	EXISTING
INTERIOR	TABLE 4.1.1	2 HR	NO CHANGE
NONBEARING WALLS AND PARTITIONS			
EXTERIOR	TABLE 4.1.1	0 HR	EXISTING
INTERIOR	TABLE 4.1.1	0 HR	NO CHANGE
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	TABLE 4.1.1	2 HR	EXISTING
ROOF CONSTRUCTION CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	TABLE 4.1.1	1.5-HR	EXISTING
COLUMNS			
SUPPORTING MORE THAN ONE FLOOR	TABLE 4.1.1	3 HR	EXISTING
SUPPORTING ROOF ONLY	TABLE 4.1.1	2 HR	EXISTING
BEAMS, GIRDERS, TRUSSES, AND ARCHES			
SUPPORTING MORE THAN ONE FLOOR	TABLE 4.1.1	3 HR	EXISTING
SUPPORTING ROOF ONLY	TABLE 4.1.1	2 HR	EXISTING
EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE			
< 5 FEET		NO CHANGE	NO CHANGE
5 ≤ X < 10 FEET	NFPA 80A (2017), TABLE 4.3.7.3	NO CHANGE	NO CHANGE
10 ≤ X < 30 FEET		NO CHANGE	NO CHANGE
X ≥ 30 FEET		NO CHANGE	NO CHANGE

AREA SEPARATION PROTECTION			
APPLICABLE CODE (FOR INSTITUTIONAL OCCUPANCIES)	NFPA 101 (2018)		PROVIDED/ACTUAL
	SECTION	REQUIREMENT	
BOILER AND FUEL - FIRED EQUIPMENT (OVER 15 PSI AND 10 HP)			AUTOMATIC SPRINKLER
ELECTRICAL ROOM WITH DRY TYPE TRANSFORMER > 12.5 KVA	NFPA 70 450.21(B)	1 HR	N/A
FURNACE ROOM EQUIPMENT OVER 400,000 BTU/HR INPUT	NFPA 70 450.21(B)	1 HR	AUTOMATIC SPRINKLER
STORAGE ROOMS > 100SF			1 HR AND AUTOMATIC SPRINKLER
SHAFT ENCLOSURES	8.6.5	VARIES	1 HR 2 HR

\* NOTE - IF BUILDING PROTECTED THROUGHOUT BY APPROVED AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 101, 9.7.1.1(1) OR IBC 903.3.1.

FIXTURE REQUIREMENTS (TABLE 2902.1)							
LEVEL	OCCUPANT LOAD	WATER CLOSET		LAVATORY		DRINKING FOUNTAINS	
		1 PER 25	1 PER 35	1 PER 35	1 PER 100	1 PER 100	1 PER 100
BASEMENT FLOOR	INSTITUTIONAL (I-2): 162 PERSONS	7	7	5	5	2	2

FIRE EXTINGUISHER REQUIREMENTS (TABLE 6.2.1.1)			
FIRE EXTINGUISHER REQUIREMENTS NFPA 10:	HAZARD TYPE: CLASS A, ORDINARY HAZARD. MAX FLOOR PER UNIT OF A: 1,500 SF MAX FLOOR PER EXTINGUISHER: 11,250 SF MAX TRAVEL TO EXTINGUISHER: 75'	SIZE AND RATING PROVIDED: 2A, 2.5 GAL MIN. NO. OF EXTINGUISHERS REQUIRED / PROVIDED: BASEMENT: 2 REQ / ___ PROVIDED	

CLASS K FIRE EXTINGUISHER REQUIREMENTS	
HAZARD TYPE: CLASS K, COMBUSTIBLE COOKING MEDIA MAX TRAVEL TO EXTINGUISHER FROM THE HAZARD: 30'	

BASIS OF DESIGN COMPLIANCE PROTOCOLS(SUMMARY)	
SEE DRAWING 61001 FOR THE FULL COMPLIANCE REQUIREMENTS	
THE BASIS OF DESIGN (BOD) PROTOCOLS APPLY TO ALL SPECIFIED EQUIPMENT, CONSTRUCTION MATERIALS INDICATED AND ALL ASSEMBLY DETAILS CONTAINED WITHIN THE DRAWINGS DOCUMENTS OR AS SPECIFICALLY REQUIRED BY SAME. EQUIPMENT AND MATERIAL PERFORMANCE CHARACTERISTICS ALONG WITH ALL DIMENSIONAL LOGISTICS FEATURES THAT AFFECT SIZE, PLACEMENT, REQUIRED CLEARANCES, SPACING, SERVICE ACCESS, DETAILING AND CONNECTION VARIANCES UTILITIES IMPACTS, HEIGHT FINISHING (IF REQUIRED), AVAILABILITY, ETC., WHICH NEED TO BE IDENTIFIED TO THE COR AND ALL AFFECTED SUBCONTRACTORS AND BE FULLY COORDINATED BY THE PRIME CONTRACTOR IF DIFFERENT FROM THE BID/CONSTRUCTION DOCUMENTS.	
BASIS OF DESIGN COMPLIANCE: 1. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY AND CERTIFY THAT THE CHARACTERISTICS OF THE EQUIPMENT OR MATERIAL HE/SHE WILL BE SUBMITTING FOR REVIEW MEETS OR EXCEEDS THE CAPACITY AND DUTY REQUIREMENTS AS SPECIFIED IN ANY OF THE BASIS OF DESIGN SPECIFICATIONS.	
2. IF THE EQUIPMENT OR MATERIAL BEING SUBMITTED FOR REVIEW WILL REQUIRE THAT MODIFICATIONS NEED TO BE MADE, TO THE WORK OF THE PROVIDING CONTRACTOR, THE SUBMITTING CONTRACTOR SHALL BE FULLY RESPONSIBLE TO ADVISE/INFORM THE PRIME CONTRACTOR OF ANY AND ALL SUCH NECESSARY IMPACTS AND POSSIBLE DELAYS AND/OR COSTS AS A PART OF THEIR BID AND CONSTRUCTION SCOPE OF WORK RESPONSIBILITIES.	
3. THE SUBMITTING CONTRACTOR WILL BE FULLY RESPONSIBLE TO COORDINATE ALL DEVIATIONS FROM THE "BASIS OF DESIGN" INTENT WITH THE GENERAL CONTRACTOR AND ALL AFFECTED SUB-CONTRACTORS. THE FINAL INSTALLATION SHALL NOT COMPROMISE ANY OF THE "BASIS OF DESIGN" PERFORMANCE CHARACTERISTICS NOR SHALL IT ENCUMBER ANY OF THE DESIGN LAYOUT LOGISTICAL NECESSITIES.	
4. THE FINAL INSTALLATION SHALL ALSO COMPLY WITH ALL APPLICABLE BUILDING CODES, REGULATIONS, VA REQUIREMENTS PLUS ALLOW THE EQUIPMENT AND/OR MATERIALS TO FUNCTION PROPERLY AND SAFELY.	
5. ALL MATERIALS OR EQUIPMENT EQUIVALENT SUBSTITUTIONS SHALL BE PROVIDED ON A CONTRACTOR PREPARED ITEMIZED LISTING PER SUBSTITUTION WITH A FULL AND DETAILED DESCRIPTION OF ALL SPECIFICATIONS AND KNOWN DEVIATIONS FROM THE ORIGINAL BASIS OF DESIGN.	
6. THE PRIME/GENERAL CONTRACTOR SHALL NOTIFY AND COORDINATE WITH THE COR AT THE BEGINNING OF THE PROJECT, ALL SUCH KNOWN DEVIATIONS AND IMPACTS FROM THE SPECIFIC BASIS OF DESIGN SPECIFICATIONS BEFORE STARTING THE PROJECT AND/OR THE SHOP DRAWING SUBMITTAL.	
7. IF ANY UNKNOWN DEVIATIONS FROM THE BOD REQUIREMENTS SURFACE DURING THE CONSTRUCTION PHASE, NOTIFY THE COR IMMEDIATELY AND IDENTIFY ALL IMPACTS FOR THE COR'S EVALUATION AND POSSIBLE AUTHORIZATION.	

PROJECT GENERAL NOTES	
<b>(APPLIES TO ALL CONTRACTORS)</b>	
1. ALL WORK SHALL BE COMPLETED ACCORDING TO ALL PUBLISHED APPLICABLE LOCAL STATE / FEDERAL/ NATIONAL CODES AND ORDINANCES ALONG WITH ALL VA DIRECTIVES, DESIGN MANUALS, SPECIFICATIONS, STANDARDS AND REQUIREMENTS	
2. EACH CONTRACTOR SHALL HAVE PUBLIC LIABILITY, PROPERTY DAMAGE AND WORKSMAN'S COMPENSATION INSURANCE. CONSULT VA FOR ALL COVERAGE REQUIREMENTS.	
3. EACH CONTRACTOR SHALL COORDINATE WITH ALL OTHER CONTRACTORS AND CHECK, PRIOR TO COMMENCEMENT OF WORK, FOR SPACE REQUIREMENTS WITH ALL OTHER TRADES, TO AVOID CONFLICTS.	
4. RELOCATION OF DUCTS, PIPING, CONDUIT, ELECTRICAL BOXES WHICH MAY ALTER THE ARCHITECTURAL OR STRUCTURAL CONSTRUCTION MUST BE APPROVED BY THE COR, PRIOR TO RELOCATION	
5. MECHANICAL CONTRACT DRAWINGS SHALL BE TAKEN IN A SENSE AS DIAGRAMMATIC, SIZE & MEANS OF RUNNING PIPING ARE SHOWN BUT IS NOT INTENDED TO SHOW EVERY FITTING AND OFFSET, NOR EVERY STRUCTURAL DIFFICULTY THAT CAN BE ENCOUNTERED DURING THE INSTALLATION OF WORK.	
6. SPECIFICATIONS AND SITE: BEFORE SUBMITTING A BID, THE BIDDERS SHALL CAREFULLY EXAMINE THE DRAWINGS AND SPECIFICATIONS SO AS TO BE THOROUGHLY FAMILIAR WITH ALL THE REQUIREMENTS. THE BIDDERS SHALL VISIT THE SITE OF THE WORK TO BECOME ACQUAINTED WITH ALL THE CONDITIONS AFFECTING THE CONTRACT, OBSTACLES WHICH MAY BE ENCOUNTERED AND ALL OTHER CONDITIONS RELATIVE TO THE WORK TO BE PERFORMED; AND, IF AWARDED THE CONTRACT, SHALL NOT BE ALLOWED ANY EXTRA COMPENSATION BY REASON OF ANY UNFORESEEN DIFFICULTIES OR OBSTACLES WHICH THE BIDDER COULD HAVE REASONABLY ANTICIPATED PRIOR TO BIDDING, SHOULD ANY DISCREPANCIES, ERRORS, CONFLICT OR ITEMS NEEDING CLARIFICATION BE DISCOVERED IN THE PLANS AND/OR SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY THE VAC/O PRIOR TO SUBMITTING A BID AND THE VAC/O BEFORE STARTING WORK.	
7. EACH CONTRACTOR SHALL MAINTAIN A COMPETENT FOREMAN OR DIRECT REPRESENTATIVE ON THE JOB AT ALL TIMES. THE CONTRACTOR SHALL COOPERATE WITH THE SUPERINTENDENT AND FOREMAN OF THE TRADES IN ORDER THAT THERE BE NO DELAY IN THE ERECTION AND COMPLETION OF THE WORK.	

SPECIAL SAFETY NOTICE	
1. ALL CONTRACTORS, SUBCONTRACTORS AND THEIR REPRESENTATIVES WORKING ON THIS PROJECT SHALL AT ALL TIMES PRIOR AND DURING THE COURSE OF THEIR ACTIVITY BE RESPONSIBLE FOR THE SAFETY OF THEIR EMPLOYEES AS WELL AS ALL OTHERS AND IN THE CARE OF THE PROPERTY.	
2. EACH CONTRACTOR OR SUBCONTRACTOR, AS REPRESENTATIVES OF THEIR EMPLOYEES, SHALL ASCERTAIN THAT THE CONDITIONS UNDER WHICH THEY WILL BE REQUIRED TO ACCOMPLISH THEIR WORK ARE SAFE AND MEET ALL REGULATIONS OF THE OCCUPATIONAL SAFETY AND HAZARD ACT OR OTHER GOVERNING REGULATIONS AND ALL VA REQUIREMENTS. THE BEGINNING OF WORK BY A CONTRACTOR OR SUBCONTRACTOR SHALL INDICATE SATISFACTION CONCERNING SAFETY AND FULL RESPONSIBILITY FOR ACCIDENTS, INJURIES, AND/OR DAMAGES.	
3. IF UNSATISFIED, THE CONTRACTOR OR SUBCONTRACTOR SHALL INDICATE THE ACTIONS AND/OR DEVICES NECESSARY TO RENDER THE JOB-SITE SAFE. IF THE WORK OF OTHER PARTIES IS, UPON INSPECTION, FOUND AT ANY TIME TO BE UNSAFE THE CONTRACTOR OR SUBCONTRACTOR SHALL IMMEDIATELY STOP ALL WORK AND NOTIFY THE GENERAL CONTRACTOR AND THE COR. THE BID SUBMISSIONS AND BEGINNING OF WORK SHALL INDICATE ACKNOWLEDGEMENTS AND ACCEPTANCE OF THESE REQUIREMENTS.	

CONSULTANT	
100% CONSTRUCTION DOCUMENTS SUBMISSION	07/23/2021
95% CONSTRUCTION DOCUMENTS SUBMISSION	02/12/2021
60% DESIGN DEVELOPMENT SUBMISSION	09/11/2020
30% SCHEMATIC DESIGN SUBMISSION	05/24/2020
Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD	
	
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VA U.S. Department of Veterans Affairs	

Drawing Title	
GENERAL - CODE AND BUILDING INFORMATION	
Phase	
100% CONSTRUCTION DOCUMENTS	
FULLY SPRINKLERED	

VA CONTRACT NO: 36C24519C0171			
Project Title	RENOVATE/UPGRADE NFS KITCHEN - BUILDING 500 BASEMENT		Project Number
			613-19-103
			Building Number
			500
Location	510 BUTLER AVENUE, MARTINSBURG, WV 25405		Drawing Number
			GI101
Issue Date	Checked	Drawn	
07/23/21	II	DMKA	



**RATED PARTITION**

	NEW 1 HOUR FIRE & SMOKE SEPARATION
	EXISTING 1 HOUR FIRE & SMOKE SEPARATION
	NEW 2 HOUR FIRE & SMOKE SEPARATION
	EXISTING 2 HOUR FIRE & SMOKE SEPARATION

**SYMBOL LIST**

	PATH OF EGRESS
	1 HOUR FIRE / SMOKE SEPARATION
	AREA OF NO WORK - EXCEPT WHERE OTHERWISE NOTED IN MEP AND FP DRAWINGS.
	FIRE EXTINGUISHER CABINET
	FIRE ALARM PULL STATION
	EXIT SIGN

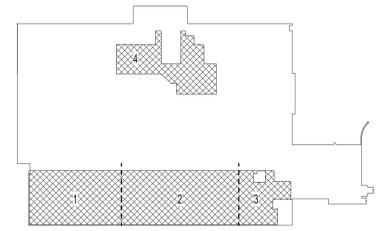
NOTE: ALL BASEMENT EXIT SIGNS, FIRE ALARM PULLS, AND FIRE EXTINGUISHER CABINETS ARE EXISTING. NO CHANGE.

**INTERIM LIFE SAFETY MEASURES - ILSM**

- CONTRACTOR SHALL REVIEW THE FOLLOWING SECTIONS WITHIN THE PROJECT MANUAL FOR A FULL WRITTEN DESCRIPTION OF INTERIM LIFE SAFETY MEASURES. SECTION 01 01 10, 1 HOUR CONSTRUCTION SMOKE BARRIER HOUR, SECTION 01 35 26, CH 1.13 - FSS, FIRE SAFETY SECTION, SECTION 01 35 26, CH 1.12-1C, INFECTION CONTROL AND SECTION 01 01 10, SN, SPECIAL NOTES.
- CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY SMOKE DETECTORS AS PER VA REQUIREMENTS. CONNECT INTO EXISTING FIRE ALARM SYSTEM IN RESPECTIVE BUILDING AREA/ZONE. CONTRACTOR SHALL CONSULT WITH VA FIRE ALARM CONTROL COMPANY AND PERFORM CERTIFICATION TESTING THAT TEMPORARY DEVICES ARE IN OPERATION. SUBMIT WRITTEN CERTIFICATION TESTING REPORT TO THE VA/OCR. AT PROJECT COMPLETION PHASE CONTRACTOR SHALL REMOVE TEMPORARY SMOKE DETECTORS AND RESPECTIVE FIRE ALARM WIRING AND CONDUITS.
- ONCE TEMPORARY CONSTRUCTION SMOKE BARRIERS AND SMOKE DETECTORS ARE IN PLACE THEN THE VA WILL DRAIN THE FIRE PROTECTION SPRINKLER ZONE FOR PROJECT AREA/SPACE. CONTRACTOR SHALL ASSIST THE VA WITH THIS OPERATION AND SCOPE OF WORK.
  - SMOKE DETECTORS SHALL BE COVERED DURING WORKING HOURS, AND UNCOVERED DURING NON-WORKING HOURS.
- CONTRACTOR SHALL THEN REMOVE FIRE PROTECTION BRANCH PIPING FROM THE MAIN SPRINKLER LINE. PROVIDE CAPS/PLUGS AT RESPECTIVE BRANCH POINTS OFF THE MAINS. AFTER CAPS/PLUGS HAVE BEEN INSTALLED THEN THE VA WILL REFILL FIRE PROTECTION SYSTEM WITH WATER. CONTRACTOR SHALL INSPECT ALL CAP/PLUG LOCATIONS TO ASSURE A WATERTIGHT CONDITION AND MAKE ANY CORRECTIONS AS NECESSARY. REFER TO FIRE PROTECTION DRAWING FP-100 FOR EXTENT OF WORK.
- AT PROJECT COMPLETION PHASE OF WORK THE VA WILL DRAIN THE FIRE PROTECTION SPRINKLER SYSTEM FOR THE INSTALLATION OF THE RESPECTIVE BRANCH PIPING. ONCE BRANCH PIPING CONNECTIONS HAVE BEEN MADE THEN THE FIRE PROTECTION SYSTEM WILL BE REFILLED WITH WATER.
- RENOVATED AREA IS NEW OCCUPANCY BUSINESS AND SHOULD BE FULLY SPRINKLED WITH QUICK RESPONSE SPRINKLERS (QRS).

**ARCHITECTURAL BARRIER ACT (ABA)**

- PER ICC/ANSI A117.1-2009 THE FOLLOWING COMPLY FULLY:
- ACCESSIBLE MAIN ENTRY
  - ACCESSIBLE ROUTE FROM ENTRY TO ELEVATOR LOBBY & ACCESSIBLE ELEVATOR TO ALL FLOORS
  - ACCESSIBLE MENS AND WOMENS TOILET ROOMS
  - ACCESSIBLE H/O DRINKING FOUNTAINS LOCATED IN BUILDING
  - ALL CONTROLS AND OPERABLE PARTS FULLY COMPLY AND ARE BETWEEN 15" AND 48"
  - ALL SIGNAGE COMPLIES - IS OF BRILLE AND TACTILE AND IS LOCATED ON THE DOOR HANDLE SIDE OF DOOR, INSTALLED AT APPROPRIATE HEIGHT AND DISTANCE FROM DOOR FRAME.



**BASEMENT KEY PLAN**  
NOT TO SCALE

**GENERAL - LIFE SAFETY PLAN BASEMENT FLOOR**  
1/16" = 1'-0"  
0 4 8 12

100% CONSTRUCTION DOCUMENTS SUBMISSION	07/23/2021
95% CONSTRUCTION DOCUMENTS SUBMISSION	02/12/2021
60% DESIGN DEVELOPMENT SUBMISSION	09/11/2020
30% SCHEMATIC DESIGN SUBMISSION	05/24/2020
Revisions:	Date:

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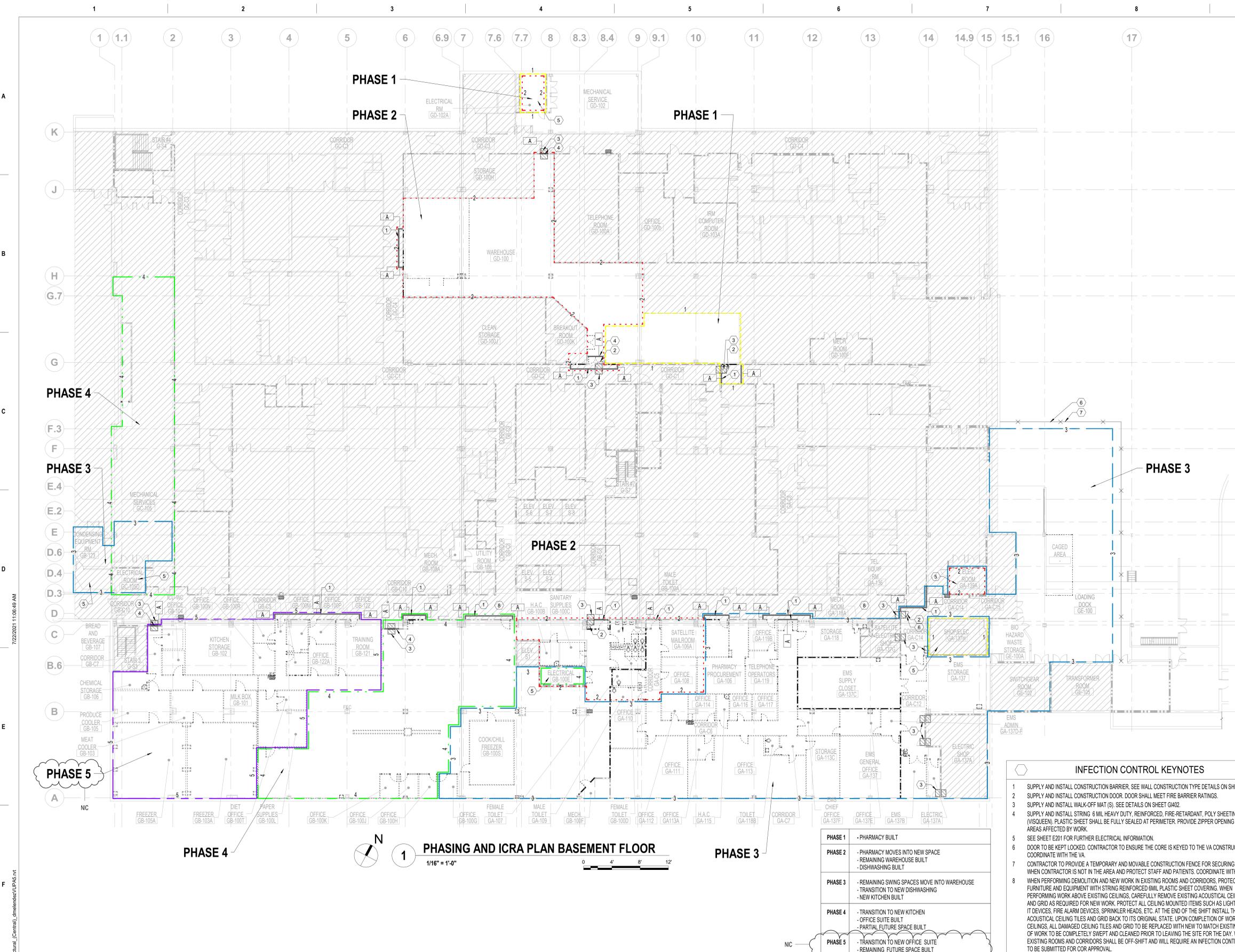
Office of Construction and Facilities Management  
**VA** U.S. Department of Veterans Affairs

Drawing Title: GENERAL - LIFE SAFETY PLAN- BASEMENT FLOOR  
Approved: Project Director

Phase: 100% CONSTRUCTION DOCUMENTS  
FULLY SPRINKLERED

VA CONTRACT NO: 36C24519C0171

Project Title: RENOVATE/UPGRADE NFS KITCHEN - BUILDING 500 BASEMENT	Project Number: 613-19-103
Location: 510 BUTLER AVENUE, MARTINSBURG, WV 25405	Building Number: 500
Issue Date: 07/23/21	Drawing Number: G1301
Checked: II	Drawn: DMKA



### INFECTION CONTROL PLAN LEGEND

	AREA OF NO WORK - EXCEPT WHERE OTHERWISE NOTED IN MEP AND FP DRAWINGS.		PHASE 1
	EXISTING CONSTRUCTION TO REMAIN		PHASE 2
	EXISTING CONSTRUCTION TO BE REMOVED		PHASE 3
	MATERIAL DELIVERY/DEBRIS REMOVAL ROUTE FROM CONSTRUCTION AREA TO SERVICE ELEVATORS		PHASE 4
	EGRESS PATH ROUTE FROM CONSTRUCTION AREA TO EXIT DISCHARGE		PHASE 5
	CONSTRUCTION BARRIER		NIC
	WALK-OFF MAT		
	VISQUEEN		
	EXISTING 1 HOUR FIRE & SMOKE SEPARATION		
	EXISTING 2 HOUR FIRE & SMOKE SEPARATION		
	ROOM TAG		
	ROOM NAME		
	ROOM NUMBER		

### INFECTION CONTROL GENERAL NOTES

BEFORE CONSTRUCTION PROJECTS BEGIN:  
 COMPLETE ALL CRITICAL BARRIERS TO SEAL CONSTRUCTION AREA FROM NON WORK AREA (SEE TEMPORARY CONSTRUCTION BARRIER DETAIL ON G404) OR IMPLEMENT CONTROL CUBE METHOD (CART W/ PLASTIC COVERING AND SEALED CONNECTION TO WORK SITE WITH HEPA VACUUM FOR VACUUMING PRIOR TO EXIT).

SEQUENCE WORK SO THAT SPRINKLER OUTAGES (INCLUDING INOPERABILITY DUE TO MISSING CEILING SYSTEMS) ARE LIMITED TO 8 HOURS OR LESS PER DAY.

DURING CONSTRUCTION PROJECTS:  
 A. THE CONTRACTOR SHALL NOT BLOCK OR HINDER THE USE OF THE BUILDINGS BY PATIENTS, STAFF & VISITORS.  
 B. ALL MATERIALS AND EQUIPMENT MUST BE PROPERLY STORED IN VA DESIGNATED AREAS.  
 C. ALL NEW CONSTRUCTION MATERIALS, TOOLS AND EQUIPMENT PASSING THROUGH NON-CONSTRUCTION AREAS TO BE COVERED WITH 4 MIL POLY SHEETS.  
 D. ALL DEBRIS AND GARBAGE THAT IS TO BE REMOVED THROUGH THE NON-CONSTRUCTION AREAS MUST BE CONTAINED IN TIGHTLY COVERED NONCOMBUSTIBLE CONTAINERS. CONTRACTOR TO SUPPLY SPILL KIT, TO INCLUDE HEPA VAC, MULTI PURPOSE SPILL CONTROL SORBENTS TO ABSORB NON AGGRESSIVE LIQUIDS UP TO 30 GALLONS.  
 E. ALL CONSTRUCTION ENTRANCE POINTS SHALL CONTAIN THE FOLLOWING (SEE CONSTRUCTION ENTRANCE POINT DETAIL ON G402):  
 F.1. TEMPORARY CONSTRUCTION DOOR. ALL TEMPORARY CONSTRUCTION DOORS TO BE METAL (PAINTED PER VA STANDARDS), 1 HR RATED, W/ METAL FRAMES, CLOSERS AND SEALS.  
 F.2. PROPER LABELS COMPLYING WITH VA AND OSHA REQUIREMENTS.  
 F.3. BEST KEYPAD EZ LOCK.  
 F.4. 24" X 36" MINIMUM TACKY WALK-OFF MATS. CHANGE THEM AS NEEDED.  
 F.5. HAND SANITIZER.  
 G. ON PROJECTS WHERE HVAC WORK IS APPLICABLE CONTRACTOR TO COMPLETE THE FOLLOWING:  
 G.1. DISCONNECT HVAC CONNECTIONS TO EXISTING SYSTEM DURING CONSTRUCTION.  
 G.2. SUPPLY A NEGATIVE PRESSURE MACHINE OF SUFFICIENT SIZE & QUANTITY TO ADEQUATELY HANDLE CONSTRUCTION AREAS. NEGATIVE PRESSURE GAUGES, MANOMETERS, MUST RECORD CONTINUOUSLY 24 HRS/DAY. MAKE READINGS AVAILABLE TO COR AND VA SAFETY EACH DAY.  
 G.3. MONITOR ALL AREAS OF NEGATIVE AIR PRESSURE, USING MAGNETIC GAUGE PER CAVHS GUIDELINES.  
 G.4. VERIFY AND TEST NEGATIVE AIR FLOW.  
 G.5. MAINTAIN A NEGATIVE AIR PRESSURE LOG.  
 H. REFER TO SHEET PXX FOR ABOVE CEILING WORK PLUMBING ZONES.

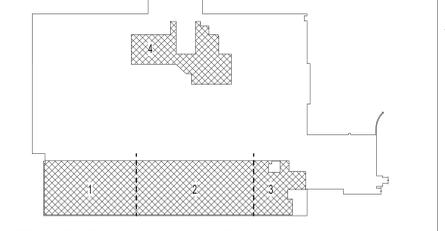
UPON COMPLETION OF CONSTRUCTION PROJECTS:  
 I. DO NOT REMOVE BARRIERS FROM WORK AREA UNTIL COMPLETED PROJECT IS INSPECTED BY VA'S SAFETY AND INFECTION CONTROL DEPARTMENTS, THOROUGHLY CLEANED BY THE VA'S ENVIRONMENTAL SERVICES DEPARTMENT AND APPROVED BY VA COR.  
 J. REMOVE BARRIER MATERIALS CAREFULLY TO MINIMIZE SPREADING OF DIRT AND DEBRIS ASSOCIATED WITH CONSTRUCTION.  
 K. VACUUM WORK AREA WITH HEPA FILTERED VACUUMS.  
 L. WET MOP AREA WITH DISINFECTANT.

### PHASING GENERAL NOTES

REVIEW THIS DRAWING IN CONJUNCTION WITH SHEET G403 AND CORRESPONDING ARCHITECTURAL, FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL AND FOODSERVICE DEMOLITION AND NEW WORK DRAWINGS FOR A FULL SCOPE OF PROJECT CONSTRUCTION PHASING. THIS INFORMATION IS SUGGESTED. CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR ALL PHASE CONSTRUCTION PLANNING, SEQUENCING, MEANS, METHODS, PROCEDURES, COORDINATION AND PERFORMANCE OF THE WORK.

### INFECTION CONTROL KEYNOTES

- SUPPLY AND INSTALL CONSTRUCTION BARRIER. SEE WALL CONSTRUCTION TYPE DETAILS ON SHEET G402
- SUPPLY AND INSTALL CONSTRUCTION DOOR. DOOR SHALL MEET FIRE BARRIER RATINGS.
- SUPPLY AND INSTALL WALK-OFF MAT (S). SEE DETAILS ON SHEET G402
- SUPPLY AND INSTALL STRING 6 MIL HEAVY DUTY, REINFORCED, FIRE-RETARDANT, POLY SHEETING (VISQUEEN). PLASTIC SHEET SHALL BE FULLY SEALED AT PERIMETER. PROVIDE ZIPPER OPENING FOR AREAS AFFECTED BY WORK.
- SEE SHEET E201 FOR FURTHER ELECTRICAL INFORMATION.
- DOOR TO BE KEPT LOCKED. CONTRACTOR TO ENSURE THE CORE IS KEYPED TO THE VA CONSTRUCTION KEY. COORDINATE WITH THE VA.
- CONTRACTOR TO PROVIDE A TEMPORARY AND MOVABLE CONSTRUCTION FENCE FOR SECURING THE AREA WHEN CONTRACTOR IS NOT IN THE AREA AND PROTECT STAFF AND PATIENTS. COORDINATE WITH THE VA.
- WHEN PERFORMING DEMOLITION AND NEW WORK IN EXISTING ROOMS AND CORRIDORS, PROTECT ALL FURNITURE AND EQUIPMENT WITH STRING REINFORCED 6MIL PLASTIC SHEET COVERING. WHEN PERFORMING WORK ABOVE EXISTING CEILINGS, CAREFULLY REMOVE EXISTING ACOUSTICAL CEILING TILES AND GRID AS REQUIRED FOR NEW WORK. PROTECT ALL CEILING MOUNTED ITEMS SUCH AS LIGHT FIXTURES, IT DEVICES, FIRE ALARM DEVICES, SPRINKLER HEADS, ETC. AT THE END OF THE SHIFT INSTALL THE ACOUSTICAL CEILING TILES AND GRID BACK TO ITS ORIGINAL STATE. UPON COMPLETION OF WORK ABOVE CEILINGS, ALL DAMAGED CEILING TILES AND GRID TO BE REPLACED WITH NEW TO MATCH EXISTING. AREAS OF WORK TO BE COMPLETELY SWEEP AND CLEANED PRIOR TO LEAVING THE SITE FOR THE DAY. WORK IN EXISTING ROOMS AND CORRIDORS SHALL BE OFF-SHIFT AND WILL REQUIRE AN INFECTION CONTROL PLAN TO BE SUBMITTED FOR COR APPROVAL.



**BASEMENT KEY PLAN**  
 NOT TO SCALE

**PHASING AND ICRA PLAN BASEMENT FLOOR**  
 1/16" = 1'-0"

PHASE 1	- PHARMACY BUILT
PHASE 2	- PHARMACY MOVES INTO NEW SPACE - REMAINING WAREHOUSE BUILT - DISHWASHING BUILT
PHASE 3	- REMAINING SWING SPACES MOVE INTO WAREHOUSE - TRANSITION TO NEW DISHWASHING - NEW KITCHEN BUILT
PHASE 4	- TRANSITION TO NEW KITCHEN - OFFICE SUITE BUILT - PARTIAL FUTURE SPACE BUILT
PHASE 5	- TRANSITION TO NEW OFFICE SUITE - REMAINING FUTURE SPACE BUILT

100% CONSTRUCTION DOCUMENTS SUBMISSION	07/23/2021
95% CONSTRUCTION DOCUMENTS SUBMISSION	02/12/2021
60% DESIGN DEVELOPMENT SUBMISSION	09/11/2020
30% SCHEMATIC DESIGN SUBMISSION	05/24/2020
Revisions:	Date:

CONSULTANT

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Office of Construction and Facilities Management  
 VA U.S. Department of Veterans Affairs

Drawing Title  
 GENERAL - PHASING AND ICRA PLAN - BASEMENT FLOOR

Approved: Project Director

Phase  
 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

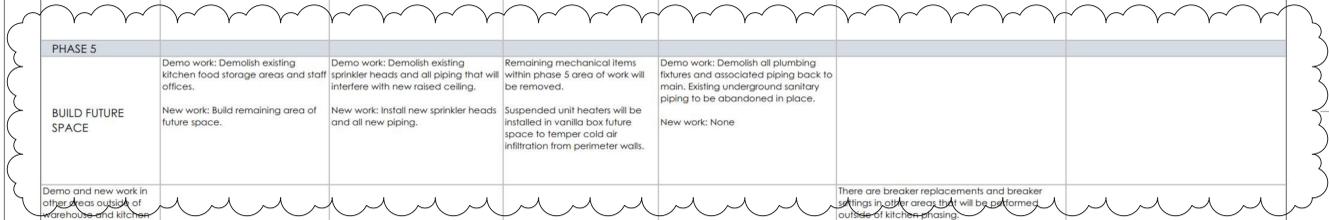
VA CONTRACT NO: 36C24519C0171

Project Title RENOVATE/UPGRADE NFS KITCHEN - BUILDING 500 BASEMENT	Project Number 613-19-103
Location 510 BUTLER AVENUE, MARTINSBURG, WV 25405	Building Number 500
Issue Date 07/23/21	Checked II
Drawn DMKA	Drawing Number GI401



DISCIPLINE:	ARCHITECTURAL	FIRE PROTECTION	MECHANICAL	PLUMBING	ELECTRICAL	NOTES
<b>PHASE 1</b>						
<b>BUILD NEW PHARMACY IN WAREHOUSE SWING SPACE</b>	Demo work: Demolish existing elements in warehouse area in current phase. New work: Build Pharmacy space Pharmacy staff in existing swing space moves into new warehouse swing space upon completion of work.	Demo work: Demolish existing sprinkler heads and some piping that will interfere with new ceiling mounted mechanical equipment. Piping to be reconnected quickly after demolition to ensure adequate fire protection for associated areas downstream during construction. New work: Install new sprinkler heads and some new piping. Piping to be routed to avoid interferences with new ceiling mounted mechanical equipment.	Existing air handling unit HV-2 will be demolished and replaced with new air handling unit AHU-2. All ceiling diffusers and interstitial ductwork work required to provide service to the pharmacy will be completed before pharmacy employees can relocate to their new space. Existing warehouse ventilation will be connected to AHU-2 supply to provide outside air.	Demo work: None New work: None		
<b>PHASE 2</b>						
<b>BUILD REMAINING NEW OFFICES IN WAREHOUSE SWING SPACE AND NEW DISHWASHING IN KITCHEN</b>	Demo work: Demolish remaining existing elements in area of current phase. New work: Build remaining new warehouse swing space and new dishwashing. Remaining staff in existing swing space moves into new warehouse swing space and existing dishwashing operations transitions to new dishwashing space upon completion of work.	Demo work: Area 2: Demolish existing sprinkler heads and all piping that will interfere with new raised ceiling. Piping to be reconnected quickly after demolition to ensure adequate fire protection for associated areas downstream during construction. Area 4: Demolish existing sprinkler heads and all piping that will interfere with new ceiling mounted mechanical equipment. New work: Area 2: Install new sprinkler heads and all new piping. Area 4: Install new sprinkler heads and some new piping. Piping to be routed to avoid interferences with new ceiling mounted mechanical equipment.	Remaining swing space area will have ceiling diffusers and fan coil units installed to provide ventilation and comfort control. HV-1 must be rebalanced to provide preconstruction airflow to NS areas served by the unit. Preconstruction airflow should be measured with a TAB report prior to commencing work and verified to match with a TAB at conclusion of work. New dishwash area will have all required ceiling diffusers installed according to new final design intent. New diffusers to be connected to nearby existing supply and return ductwork associated with air handling unit AC-1. This will provide temporary ventilation to the space until later phase. New exhaust ductwork from dishwashing equipment will be run in interstitial to existing vertical ductwork riser. Existing exhaust fans EF-50 and EF-51 on roof will be replaced with new according to design. New exhaust ductwork shall be insulated. New pressure reducing valve PRV-500K will be installed in mechanical room GC-105 to serve all new kitchen equipment including dishwasher, cart washer, and steam kettles. Steam supply piping will be routed via interstitial space into the new kitchen equipment. New steam condensate return piping will be routed underfloor to tie into existing condensate pump P-5 in kitchen steam room. All work in phase 2 that will cause downtime for dishwasher operation should be coordinated between trades and with the VA/COE.	Demo work: Area 2: Demolish plumbing fixtures and associated piping serving Male Toilets GB-100A and GA-109 and Female Toilets GB-100D and GA-109. Demolish sanitary piping to main and cap and seal. Area 4: No work. New work: Area 2: Install floor receptacles in Dishwashing G101. Tie new sanitary piping temporarily into the existing sanitary mains that the toilets previously tied into. Route new domestic water and vent piping to serve new Dishwashing G101. Area 4: Install floor through, hose reel and sink to serve the new EMS Equipment Storage Room GD-137 and all associated piping.		
<b>PHASE 3</b>						
<b>BUILD NEW KITCHEN</b>	Demo work: Existing remaining swing space offices to be demolished. Existing kitchen prep, cooking, assembly, food storage and offices to remain fully operational during demolition. New work: Build new kitchen cooking, prep, assembly, food storage and deliveries/receiving. Move kitchen prep, assembly operations and food storage to new space upon completion of work.	Demo work: Demolish existing sprinkler heads and all piping that will interfere with new raised ceiling. New work: Install new sprinkler heads and all new piping.	Condensing units to be installed along with acoustical enclosure and associated exhaust system on the loading dock location. Condensing units must be installed after routing of new kitchen sanitary and grease interceptor has been installed. Refrigerant piping will be installed between loading dock condensing units and evaporators located in the walk-in coolers/freezers. Refrigerant piping work should be coordinated with other trades. All ductwork, diffusers, and terminal boxes located in ceiling and interstitial above the phase 3 area of work will be demolished. NS areas served by AC-4 shall have a TAB report conducted to determine pre-construction airflow. Demolished ductwork originating from air handling unit AC-4 should be capped and sealed at location indicated on drawing. AC-4 will be adjusted and balanced to maintain pre-construction airflow to NS areas. All ductwork originating from air handling unit AC-1 will be demolished back to location indicated on drawings and temporarily capped and sealed. New diffusers, ductwork, and terminal units serving new kitchen area will be installed according to final construction design. Existing make-up air unit in mechanical room GC-105 will be demolished along with all associated ductwork and replaced with new MAU-1. New ductwork will be routed via interstitial to new kitchen hood location. Installation of make-up air ductwork should be coordinated to conform with intended design.	Demo work: Demolish all plumbing fixtures and associated piping back to main. Demolish existing sanitary as shown dashed on drawings. The remaining underground sanitary to be abandoned in place. New work: Install new grease interceptor (G-1), sewage ejector pump (SEP-1 and SEP-2) basin/equipment and valve vault along with kitchen sanitary, pumped sanitary and vent piping in the loading dock area. Route pumped sanitary up into the interstitial space where it will tie into the existing 6" sanitary. Install new floor receptacles to serve new kitchen area into the new kitchen sanitary main. Install new domestic water and vent piping to serve the new kitchen area. Remove temporary kitchen sanitary piping serving new Dishwashing G101 from the existing main and tie into the new kitchen sanitary.		

DISCIPLINE:	ARCHITECTURAL	FIRE PROTECTION	MECHANICAL	PLUMBING	ELECTRICAL	NOTES
<b>PHASE 3</b>						
<b>BUILD NEW KITCHEN</b>			Type 1 grease exhaust ductwork will be routed from new kitchen exhaust hoods to existing vertical riser in interstitial. EF-52 on roof will be upgraded with a VFD and placed on emergency power. All exposed ductwork on the roof between EF-52 inlet and the roof penetration shall be removed and replaced with new stainless steel welded. Contractor will follow all required codes and standards associated with Type 1 grease systems. Kitchen grease exhaust ductwork shall be insulated. New steam supply will be installed to serve remaining kitchen equipment. Steam condensate piping will be installed under floor routing all new kitchen condensate to existing condensate pump P-5 in kitchen steam room. Temporary air handling unit and all associated equipment, ductwork, piping and controls will be installed. Temporary ductwork will be routed according to drawings to location of entrance to the interstitial. Contractor will route temporary ductwork via interstitial to tie-in locations in new ductwork as identified on drawings. Contractor is responsible for coordinating all temporary work with new and between trades to ensure system operates as designed. At completion of phase 3, kitchen will be fully operational and temporary unit will provide HVAC to the space. Kitchen staff will populate their new kitchen.			
<b>PHASE 4</b>						
<b>BUILD OFFICE SUITE</b>	Demo work: Demolish existing kitchen including cooking, prep and assembly areas. New work: Build new office suite and portion of future space. Move kitchen staff into new offices.	Demo work: Demolish existing sprinkler heads and all piping that will interfere with new raised ceiling. New work: Install new sprinkler heads and all new piping.	Contractor will extend temporary ductwork to serve remaining offices in phase 5 area of work that require ventilation. All remaining ductwork associated with AC-1 will be demolished and removed except what is necessary to continue supplying phase 5 spaces still in use. All equipment in mechanical room GC-105 that is affected by this project will be replaced or modified in this phase. New air handling unit AHU-1, exhaust fan EF-1, pumps P-15 and P-16, pressure reducing valve PRV-121/8, etc will be installed. All ductwork and ceiling diffusers within phase 4 area of work will be installed. Ductwork will be routed from AHU-1 to tie into previously installed new ductwork in interstitial.	Demo work: Demolish all plumbing fixtures and associated piping back to main. Existing underground sanitary piping to be abandoned in place. New work: Install new sink in Kitchenette Lounge G125 and route associated piping. Tie new herb wall into cold water and drain piping from kitchenette sink.		
<b>PHASE 5</b>						
<b>BUILD FUTURE SPACE</b>	Demo work: Demolish existing kitchen food storage areas and staff offices. New work: Build remaining area of future space.	Demo work: Demolish existing sprinkler heads and all piping that will interfere with new raised ceiling. New work: Install new sprinkler heads and all new piping.	Remaining mechanical items within phase 5 area of work will be removed. Suspended unit heaters will be installed in vanity box future space to temper cold air infiltration from perimeter walls.	Demo work: Demolish all plumbing fixtures and associated piping back to main. Existing underground sanitary piping to be abandoned in place. New work: None		
	Demo and new work in this area subject of structural and kitchen remains to be placed in corresponding phase					There are breaker replacements and breaker settings in other areas that will be performed outside of kitchen framing.



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<b>100% CONSTRUCTION DOCUMENTS SUBMISSION</b>	07/23/2021
<b>95% CONSTRUCTION DOCUMENTS SUBMISSION</b>	02/12/2021
<b>60% DESIGN DEVELOPMENT SUBMISSION</b>	09/11/2020
<b>30% SCHEMATIC DESIGN SUBMISSION</b>	05/24/2020
<b>Revisions:</b>	<b>Date:</b>

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**STAMP**

Office of Construction and Facilities Management  
**VA** U.S. Department of Veterans Affairs

Drawing Title  
**GENERAL - PHASING/SEQUENCE OF WORK CHART**

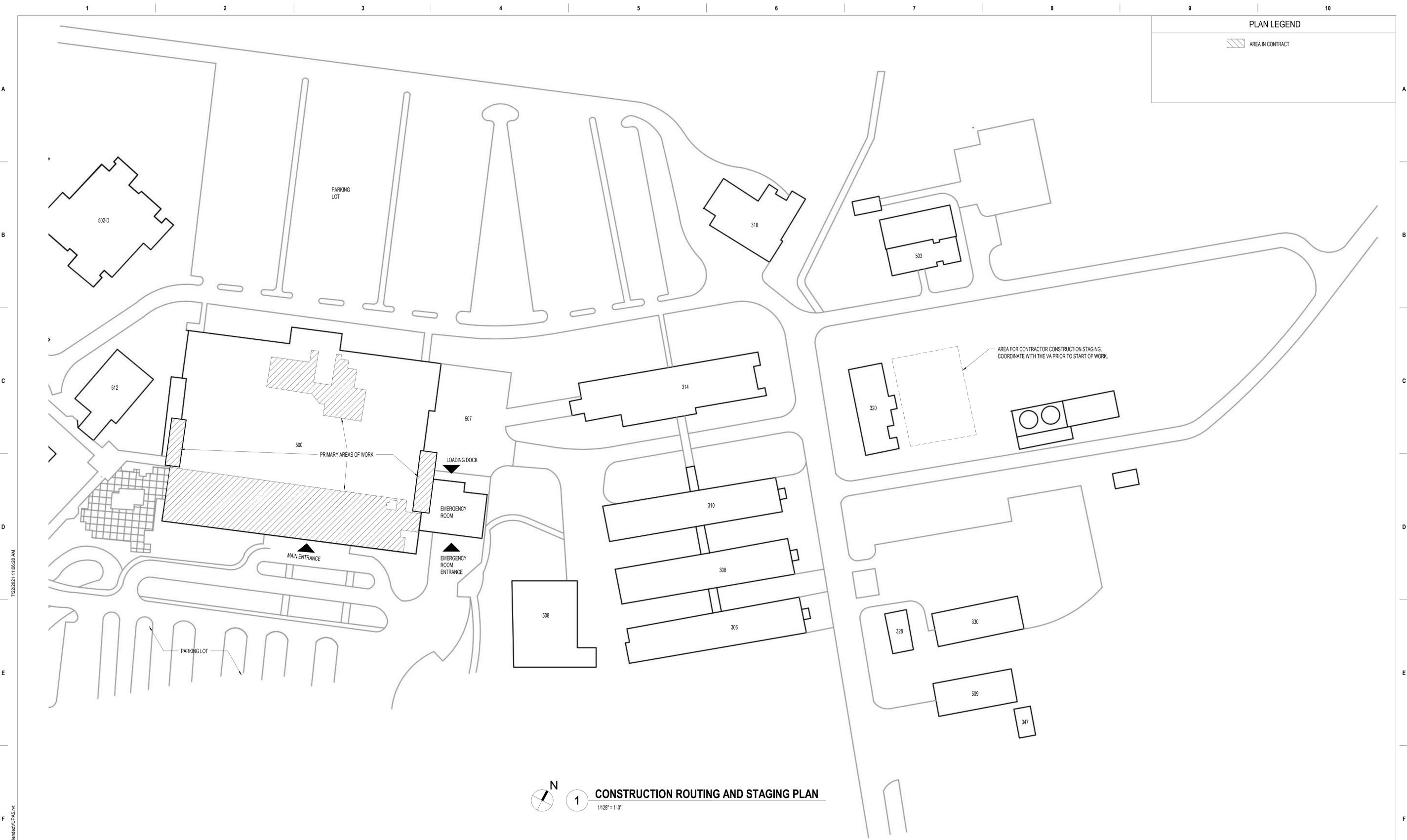
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Phase  
**100% CONSTRUCTION DOCUMENTS**

**FULLY SPRINKLERED**

<b>VA CONTRACT NO: 36C24519C0171</b>		
Project Title <b>RENOVATE/UPGRADE NFS KITCHEN - BUILDING 500 BASEMENT</b>	Project Number <b>613-19-103</b>	Building Number <b>500</b>
Location 510 BUTLER AVENUE, MARTINSBURG, WV 25405	Issue Date 07/23/21	Checked II
	Drawn DM	Drawing Number <b>GI403</b>

PLAN LEGEND	
	AREA IN CONTRACT



 **1 CONSTRUCTION ROUTING AND STAGING PLAN**  
1/128" = 1'-0"

100% CONSTRUCTION DOCUMENTS SUBMISSION	07/23/2021
95% CONSTRUCTION DOCUMENTS SUBMISSION	02/12/2021
60% DESIGN DEVELOPMENT SUBMISSION	09/11/2020
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Revisions:	Date:

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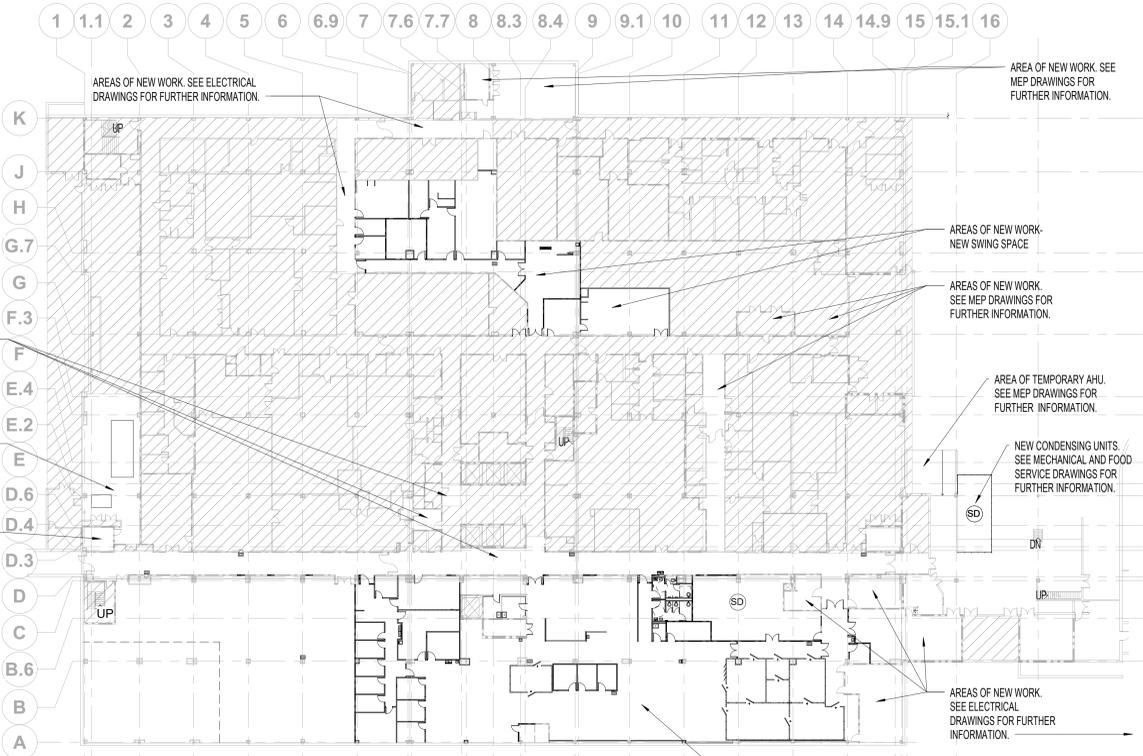
Drawing Title  
GENERAL - CONSTRUCTION ROUTING AND STAGING PLANS  
Approved: Project Director

Phase  
100% CONSTRUCTION DOCUMENTS  
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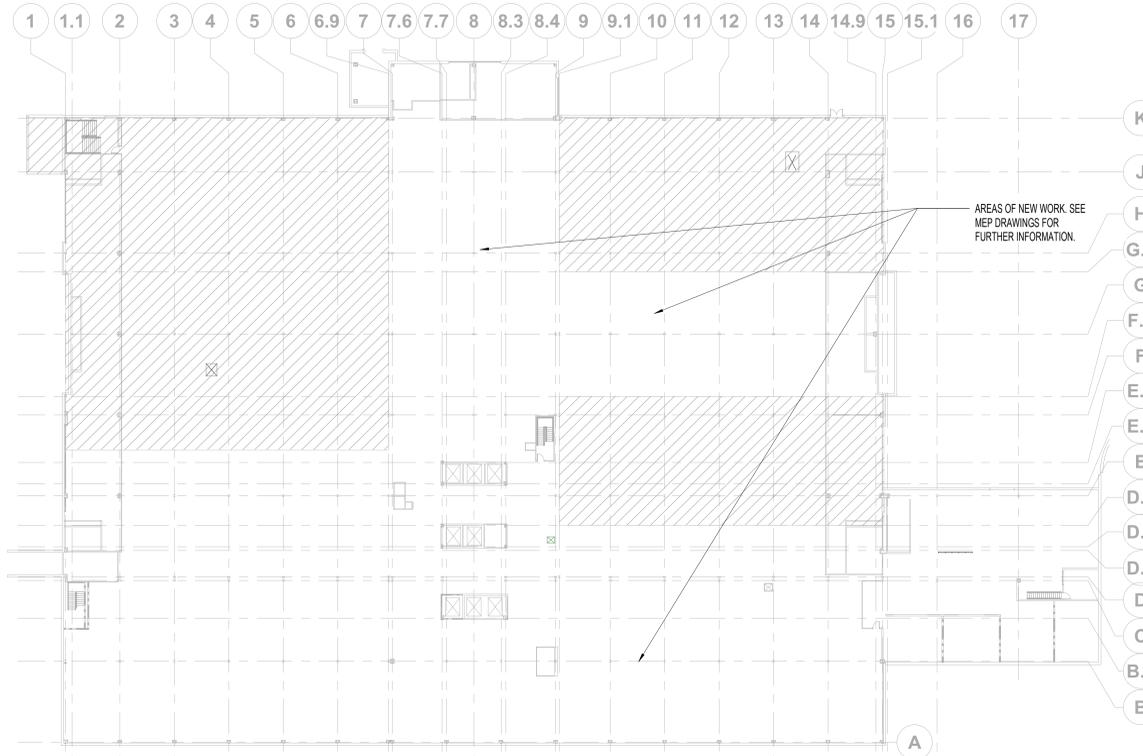
VA CONTRACT NO: 36C24519C0171		
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RENOVATE/UPGRADE NFS KITCHEN - BUILDING 500 BASEMENT	613-19-103	500
Location	Issue Date	Checked
510 BUTLER AVENUE, MARTINSBURG, WV 25405	07/23/21	II
Drawn	DMIKA	Drawing Number
		GC101

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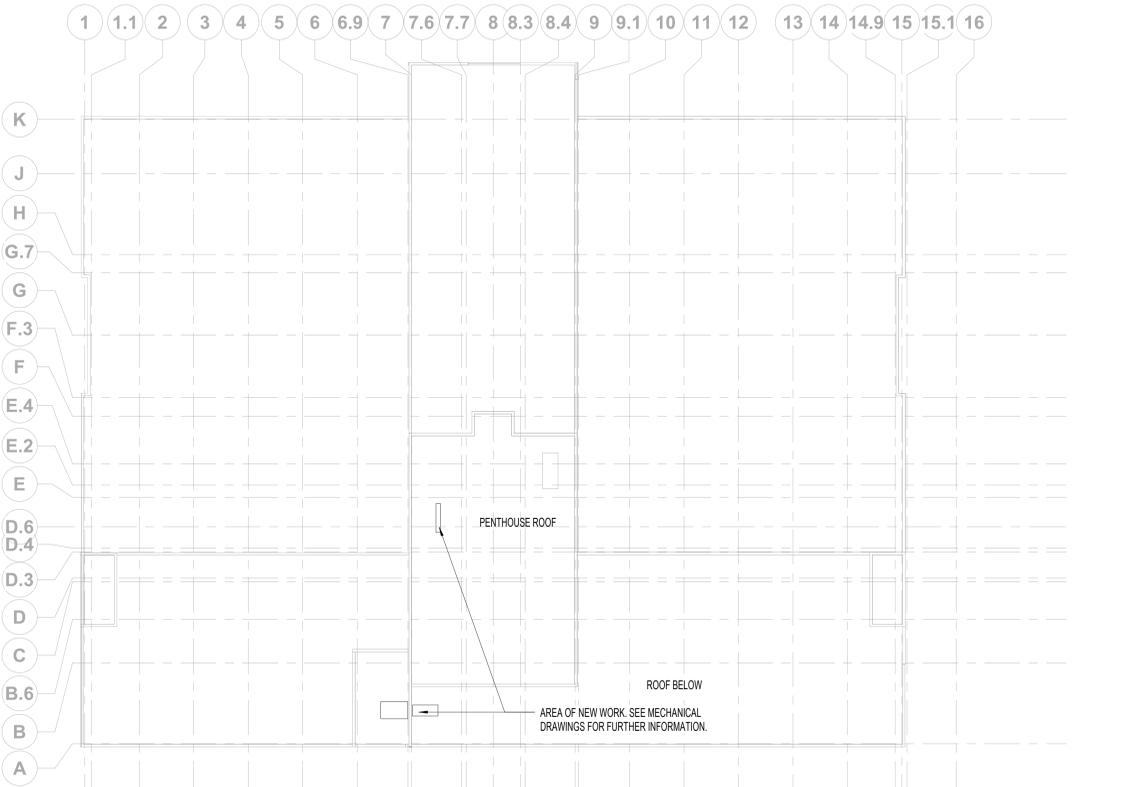
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**1 BASEMENT FLOOR**  
1/32" = 1'-0"



**2 INTERSTITIAL BASEMENT FLOOR**  
1/32" = 1'-0"



**3 ROOF PLAN**  
1/32" = 1'-0"

100% CONSTRUCTION DOCUMENTS SUBMISSION	07/23/2021
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VA U.S. Department of Veterans Affairs

Drawing Title  
BUILDING ORIENTATION PLANS

Approved: Project Director

Phase  
100% CONSTRUCTION DOCUMENTS

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Project Title RENOVATE/UPGRADE NFS KITCHEN - BUILDING 500 BASEMENT	Project Number 613-19-103	Building Number 500
Location 510 BUTLER AVENUE, MARTINSBURG, WV 25405	Issue Date 07/23/21	Checked II
Issue Date 07/23/21	Checked II	Drawn KA
Drawing Number GC201		