

## U.S. Department of Veterans Affairs

### ISSUE FOR BID

JANUARY 16, 2024

437-21-210

**Building Number** 

Drawing Number

GI-001

PROJECT LOCATION:

FARGO VA HEALTH CARE SYSTEM

2101 ELM STREET NORTH FARGO, ND 58102

PROJECT TITLE: 437-21-210 EHRM INFRASTRUCTURE UPGRADES -TIER 2

**BUILDING NUMBERS:** 

1-9-46 (MAIN HOSPITAL BUILDING), 3, 10, 11, 12, 13, 30, 39, 40, 51, 52, 56

ARCHITECTS + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS

3300 DUNDEE RD. NORTHBROOK, IL 60062 www.bancroft-ae.com Project Number: 22-113

STRUCTURAL ENGINEER & BLAST CONSULTANT:

HOHBACH-LEWIN, INC.

909 MONTGOMERY STREET, SUITE 260 SAN FRANCISCO, CA 94133 www.hohbach-lewin.com

#### CIVIL ENGINEER:

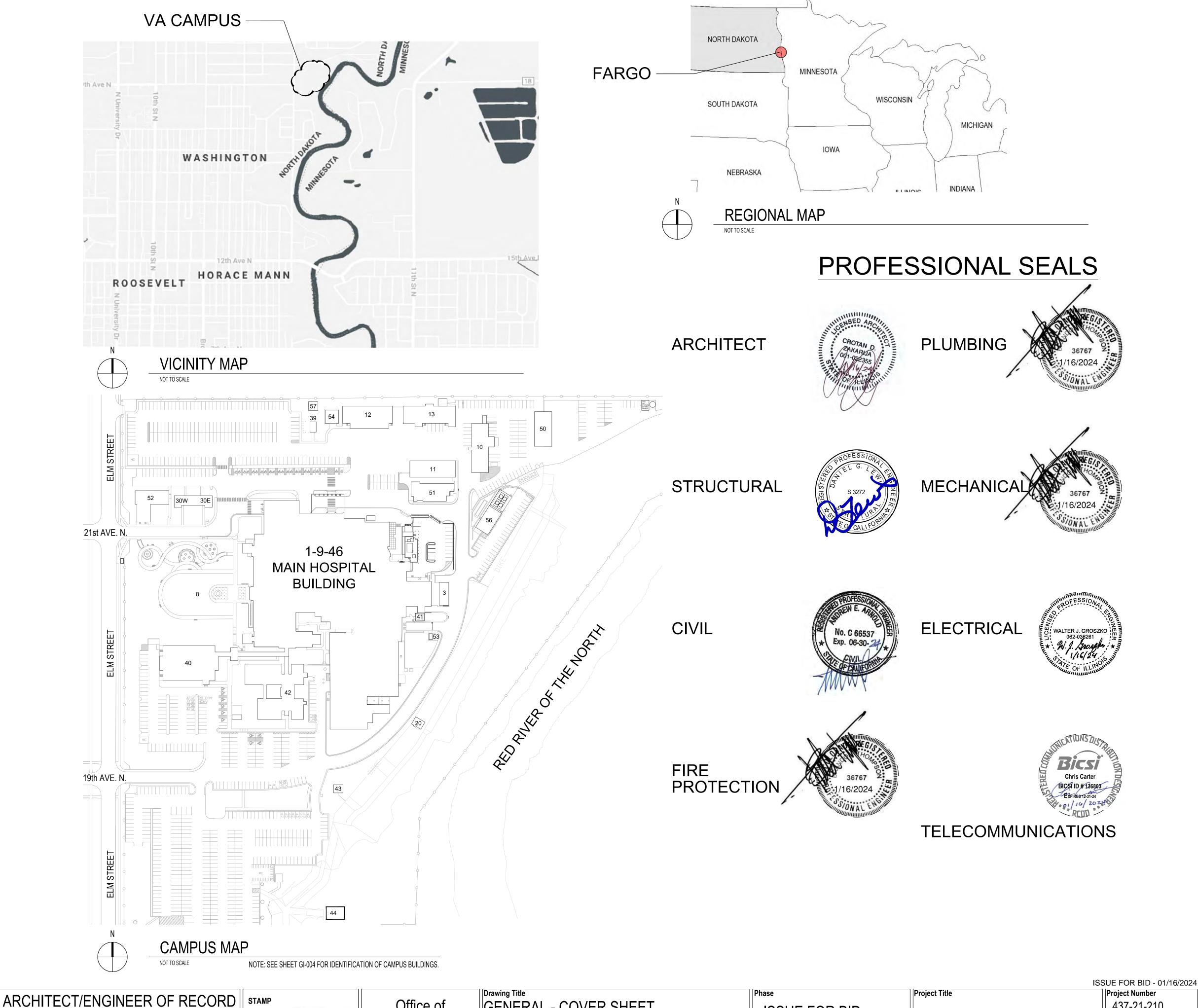
HOHBACH-LEWIN, INC.

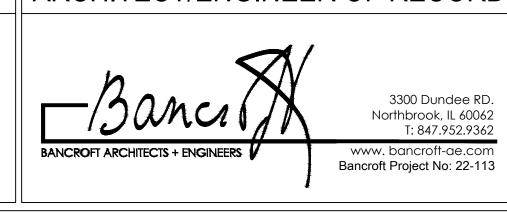
909 MONTGOMERY STREET, SUITE 260 SAN FRANCISCO, CA 94133 www.hohbach-lewin.com

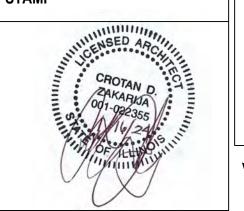
#### ABATEMENT CONSULTANT:

TEM ENVIRONMENTAL INC.

GLENDALE HEIGHTS, IL 60139 www.tem-inc.com









•	Phase	Project Title		
ENERAL - COVER SHEET	ISSUE FOR BID	EHRM INFRAST UPGRADES - TI		
proved: Project Director	BUILDING FULLY	Location FARGO VA HEA	LTH CARE	SYSTE
		Issue Date	Checked	Drawn
	SPRINKLERED	01/16/2024	DA	JM

	FARGO EHRM - TIER 2 UPGRADES				7.
Sheet Number	Sheet Title	20% DD	85% CD	100% CD	bid to for Did
	GENERAL	$\perp$			
GI-001	GENERAL - COVER SHEET	•	•	•	•
GI-002	GENERAL - DRAWING INDEX	•	•	•	_
GI-003	GENERAL - FARGO VAHCS CONSTRUCTION CRITERIA		•	•	_
GI-004 GI-005	GENERAL - SITE ORIENTATION AND STAGING PLAN  GENERAL - CODE AND BUILDING INFORMATION	•	•	•	•
GI-003	GENERAL - CODE AND BOILDING IN ORMATION  GENERAL - FOURTH FLOOR DATA CENTER - LIFE SAFETY PLAN	•	•	•	
GI-007	GENERAL - BUILDING 46 - IT DEPARTMENT - LIFE SAFETY PLAN	•	•	•	
GI-008	GENERAL - B1- UTILITY ROOMS - LIFE SAFETY PLAN	•	•	•	
GI-009	GENERAL - B1- UTILITY ROOMS - LIFE SAFETY PLAN	•	•	•	,
GI-011	GENERAL - CONTRACTOR & BOD PROTOCOL NOTES	•	•	•	۱,
GI-012	GENERAL - PROTECTION PROTOCOLS AND MISCELLANEOUS NOTES	•	•	•	-
GI-013	GENERAL - GENERAL NOTES & SYMBOLS	•	•	•	•
GI-014	GENERAL - ABBREVIATIONS SYMBOLS LEGENDS AND MOUNTING HEIGHTS	•	•	•	•
GI-101	GENERAL - INFECTION CONTROL CLASS IV AND GENERAL NOTES	•	•	•	•
GI-102	GENERAL - INFECTION CONTROL - SAMPLE ICRA PERMIT AND FORMS	•	•	•	•
GI-103	GENERAL - INFECTION CONTROL - SAMPLE PCRA & ILSM FORMS		•	•	Ĺ
GI-104	GENERAL - INFECTION CONTROL - SAMPLE PCRA & ILSM FORMS		•	•	_
GI-105	GENERAL - INFECTION CONTROL - SAMPLE PCRA & ILSM FORMS	$\perp$	•	•	_
GI-106	GENERAL - INFECTION CONTROL - SAMPLE PCRA & ILSM FORMS		•	•	_
GI-107	GENERAL - INFECTION CONTROL - SAMPLE PCRA & ILSM FORMS		•	•	Ľ
GI-108	GENERAL - INFECTION CONTROL - SAMPLE PCRA & ILSM FORMS	$\perp$	•	•	Ľ
GI-109	GENERAL - INFECTION CONTROL - SAMPLE ILSM FORMS	•	•	•	_
GI-201	GENERAL - TRAFFIC MANAGEMENT		•	•	-
GI-201A GI-202	GENERAL - CONSTRUCTION SEQUENCE OF WORK NOTES  GENERAL - CONSTRUCTION SEQUENCE OF WORK - BASEMENT	•	•	•	
GI-202 GI-203	GENERAL - CONSTRUCTION SEQUENCE OF WORK - FIRST FLOOR			•	
GI-203	GENERAL - CONSTRUCTION SEQUENCE OF WORK - SECOND FLOOR	+	•	•	
GI-205	GENERAL - CONSTRUCTION SEQUENCE OF WORK - THIRD FLOOR	+		•	
GI-206	GENERAL - CONSTRUCTION SEQUENCE OF WORK - FOURTH FLOOR	+	•	•	-
GI-207	GENERAL - CONSTRUCTION SEQUENCE OF WORK - ROOF			•	-
GI-208	GENERAL - CONSTRUCTION SEQUENCE OF WORK - OUTBUILDING				-
	CIVIL				
C-100	CIVIL - COVER SHEET		•	•	•
C-101	CIVIL - NOTES		•	•	•
C-200	CIVIL - DEMOLITION NOTES		•	•	•
C-300	CIVIL - GRADING & DRAINAGE PLAN		•	•	•
C-400	CIVIL - UTILITY PLAN		•	•	_•
C-500	CIVIL - DETAILS			•	Ĺ
C-600	CIVIL - SECTIONS			•	•
0.400	STRUCTURAL  OFNEDAL CTRUCTURAL NOTES				
S-100	GENERAL STRUCTURAL NOTES	+	•	•	•
S-200 S-202	STRUCTURAL - PARTIAL SITE PLAN  STRUCTURAL - PARTIAL ROOF PLAN		•	•	•
S-202 S-203	STRUCTURAL - PARTIAL ROOF PLAN  STRUCTURAL - PARTIAL FRAMING PLANS	+		•	
S-203 S-501	STRUCTURAL - PARTIAL FRAIMING PLAINS  STRUCTURAL - CONCRETE DETAILS	+	•	•	
S-501 S-502	STRUCTURAL - CONCRETE DETAILS  STRUCTURAL - CONCRETE DETAILS	+		•	
S-701	STRUCTURAL - STEEL DETAILS		•	•	
S-702	STRUCTURAL - STEEL DETAILS	+		•	
	HAZARDOUS ABATEMENT				
ENV-01	ABATEMENT PLAN - FOURTH FLOOR		•	•	•
	ARCHITECTURE				
AS-B1-101	ARCHITECTURAL - BUILDING 1-9-46 - BASEMENT PLAN	•	•	•	•
AS-B40-101	ARCHITECTURAL - BUILDING 40 - BASEMENT PLAN		•	•	•
AS-B1-111	ARCHITECTURAL - BUILDING 1-9-46 - FIRST FLOOR PLAN	•	•	•	[
AS-B1-121	ARCHITECTURAL - BUILDING 1-9-46 - SECOND FLOOR PLAN	•	•	•	•
AS-B1-131	ARCHITECTURAL - BUILDING 1-9-46 - THIRD FLOOR PLAN	•	•	•	•
AS-B1-141	ARCHITECTURAL - BUILDING 1-9-46 - FOURTH FLOOR PLAN	•	•	•	•
AC D4 4C4	ARCHITECTURAL - BUILDING 1-9-46 - ROOF PLAN	•	•	•	•
AS-B1-161		-+			

CONSULTANT

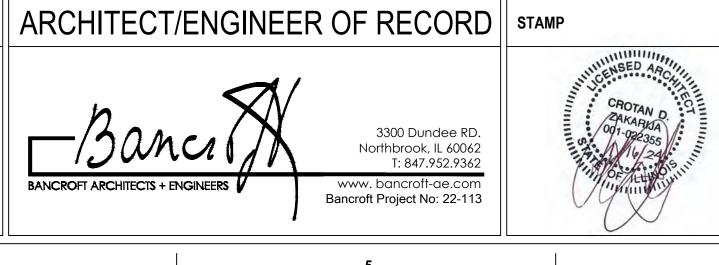
Sheet	Sheet Title	00	CD	CD	בים הים
Number		20% DD	85% (	100% CD	
AS-B1-203	ARCHITECTURAL - B1 - BE-98,BE-97, BE-35,BE-38A,BE-38B DEMO PLAN		•	•	_
AS-B1-204	ARCHITECTURAL - B1 - BE-98,BE-97, BE-35,BE-38A,BE-38B PLAN		•	•	
AS-B1-205			•	•	
AS-B1-206 AS-B1-207	ARCHITECTURAL - B1 - NORTH LOADING DOCK - SITE SECURITY PLAN  ARCHITECTURAL - B1 - SOUTH LOADING DOCK - SITE SECURITY PLAN	_		•	
AS-B1-207 AS-B1-221	ARCHITECTURL - B1 - PARTIAL ROOF PLANS	•	•	•	
AS-B1-231	ARCHITECTURAL - B1 - THIRD FLOOR REFLECTED CEILING PLAN	•	•	•	
AS-B1-232	ARCHITECTURAL - B1 - THIRD FLOOR REFLECTED CEILING PLAN	•	•	•	
AS-B1-241	ARCHITECTURAL - B1 - FOURTH FLOOR DEMOLITION PLAN - DATA CENTER	•	•	•	T
AS-B1-242	ARCHITECTURAL - B1 - FOURTH FLOOR PLAN - DATA CENTER	•	•	•	
AS-B1-243	ARCHITECTURAL - B1 - FOURTH FLOOR DEMO CEILING PLAN -DATA CENTER		•	•	
AS-B1-244	ARCHITECTURAL - B1 - FOURTH FLOOR CEILING PLAN - DATA CENTER	•	•	•	
AS-B1-245	ARCHITECTURAL - B1 - FOURTH FLOOR TRUSS CEILING PLAN	•	•	•	
AS-B1-246	ARCHITECTURAL - B1 - ENLARGED FOURTH FLOOR PLAN	•	•	•	
AS-B1-251	ARCHITECTURAL - B1 - DEMOLITION ROOF PLAN - DATA CENTER	<u> </u>	•	•	
AS-B1-252	ARCHITECTURAL - B1 - ROOF PLAN - DATA CENTER	<u> </u>	•	•	
AS-B46-201	ARCHITECTURAL - B46 - BASEMENT DEMO PLAN - IT DEPARTMENT	•	•	•	
AS-B46-202	ARCHITECTURAL - B46 - BASEMENT FLOOR PLAN - IT DEPARTMENT	•	•	•	
AS-B46-203	ARCHITECTURAL - B46 - BASEMENT CEILING DEMO PLAN - IT DEPARTMENT	•	•	•	
AS-B46-204 AS-B46-211	ARCHITECTURAL - B46 - BASEMENT CEILING PLAN - IT DEPARTMENT  ARCHITECTURAL - B46 - FIRST FLOOR DEMO & NEW PLAN - LOBBY	•	•	•	
AS-B46-211 AS-B46-221	ARCHITECTURAL - B46 - FIRST FLOOR DEMO & NEW PLAN - LOBBY  ARCHITECTURAL - B46 - SECOND FLOOR- ROOF DEMO PLAN	+	•	•	
AS-B46-222	ARCHITECTURAL - B46 - SECOND FLOOR - ROOF PLAN		•	•	
AS-B1-301	ARCHITECTURAL - BE-98 GENERATOR ROOM - EXTERIOR ELEVATIONS	_	•	•	
AS-B1-302	ARCHITECTURAL - B1 - BLAST MITIGATION ENLCOSURE ELEVATIONS		•	•	
AS-B1-303	ARCHITECTURAL - B1 - ELEVATIONS & SECTIONS - DATA CENTER	+	•	•	
AS-B1-304	ARCHITECTURAL - B1 - INTERIOR ELEVATIONS - GENERATOR RM. BE-98		•	•	
AS-B1-305	MAIN COMPUTER ROOM - SECTIONS		•	•	
AS-B1-306	ARCHITECTURAL - B1 - SECTIONS - GENERATOR RM. BE-98 & UPS BE-97	•	•	•	
AS-B3-101	ARCHITECTURAL - B3,11,13 & 30 - FLOOR PLANS			•	
AS-B51-101	ARCHITECTURAL - B51,52,56 - FLOOR PLANS		•	•	
AS-401	ARCHITECTURAL - BLAST MITIGATION BARRIER DETAILS		•	•	
AS-501	ARCHITECTURAL - PARTITION TYPES		•	•	
AS-502	ARCHITECTURAL - DETAILS	-	•	•	
AS-503	ARCHITECTURAL - WINDOW INFILL	_	•	•	
AS-601	ARCHITECTURAL - DOOR & FRAME SCHEDULE	+	•	•	
AS-611 AS-621	ARCHITECTURAL - FINISH SCHEDULE  ARCHITECTURAL - SIGNAGE SCHEDULE		•	•	
A3-021	FIRE PROTECTION	+		_	
FX-001	FIRE PROTECTION  FIRE PROTECTION GENERAL NOTES, ABBREVIATIONS, AND LEGEND	-	•		
		<b>-</b>	•	•	
FXD-B46-100		•	•	•	
FX-B01-100	FIRE PROTECTION - BUILDING 1 - EMERGENCY GENERATOR - BASEMENT	•	•	•	
FX-B01-104	FIRE PROTECTION - BUILDING 1 - ENLARGED FOURTH FLOOR PLAN	•	•	•	
FX-B46-100	FIRE PROTECTION - BUILDING 46 - ENLARGED BASEMENT PLAN	•	•	•	
FX-500	FIRE PROTECTION DETAILS	•	•	•	
FX-501	FIRE PROTECTION DETAILS  PLUMBING	•	•	•	
P-001	PLUMBING GENERAL NOTES, ABBREVIATIONS, AND LEGEND	-	•	•	
PD-B01-100	PLUMBING - BUILDING 1 - BASEMENT DEMOLITION PLAN			•	
PD-B01-103	PLUMBING - BUILDING 1 - THIRD FLOOR DEMOLITION PLAN	•	•	•	
PD-B01-104	PLUMBING - BUILDING 1 - FOURTH FLOOR DEMOLITION PLAN	•	•	•	
PD-B01-105	PLUMBING - BUILDING 1 - ROOF DEMOLITION PLAN	•	•	•	
PD-B46-100	PLUMBING - BUILDING 46 - BASEMENT DEMOLITION PLAN	•	•	•	Γ
P-B01-100	PLUMBING PLAN - BUILDING 1 - BASEMENT			•	ſ
P-B01-103	PLUMBING PLAN - BUILDING 1 - THIRD FLOOR	•	•	•	
P-B01-104	PLUMBING - BUILDING 1 - ENLARGED FOURTH FLOOR PLAN	•	•	•	
P-500	PLUMBING DETAILS	<u> </u>	•	•	Ĺ
P-501	PLUMBING DETAILS	•	•	•	
	MECHANICAL				

Sheet Number	Sheet Title	20% DD	85% CD	0 7000
MVD-B01-104	MECHANICAL - BLDG 1 - ENLARGED PLAN - FOURTH FLOOR - DEMOLITION		•	1
MVD-B46-100	MECHANICAL VENTILATION DEMOLITION PLAN - BUILDING 46 - BASEMENT	•	•	
MPD-B46-100	MECHANICAL PIPE DEMOLITION PLAN-BUILDING 46-BASEMENT	•	•	
MPD-B46-101	MECHANICAL PIPE DEMOLITION PLAN-BUILDING 46-FIRST FLOOR			
MPD-B46-102	MECHANICAL PIPE DEMOLITION PLAN BUILDING 46 - SECOND FLOOR	•	•	
MV-B01-100	MECHANICAL - BUILDING 1 - EM. GEN. ENLARGED PLAN - BASEMENT	•	•	
MV-B01-101	MECHANICAL - BUILDING 1 - FIRST FLOOR PLAN	•	•	
MV-B01-102	MECHANICAL - BUILDING 1 - EM. GEN. ENLARGED PLAN - SECOND FLOOR	•	•	
MV-B01-103	MECHANICAL - BUILDING 1 - THIRD FLOOR & ROOF PLAN	•	•	
MV-B01-104	MECHANICAL - BUILDING 1 - ENLARGED PLAN - FOURTH FLOOR	•	•	
MP-B46-100	MECHANICAL PIPE PLAN - BUILDING 46 - BASEMENT	•	•	
MP-B46-101	MECHANICAL PIPE PLAN - BUILDING 46 - FIRST FLOOR	•	•	
MP-B46-102	MECHANICAL PIPE PLAN - BUILDING 46 - SECOND FLOOR - ROOF	•	•	
M-500	MECHANICAL DETAILS		•	
M-501	MECHANICAL DETAILS		•	
M-502	MECHANICAL DETAILS		•	
M-503	MECHANICAL DETAILS	•	•	
M-600	MECHANICAL SCHEDULES		•	
M-601	MECHANICAL SCHEDULES	•	•	
M-701	MECHANICAL CONTROLS		•	
M-702	MECHANICAL CONTROLS		•	
E001	ELECTRICAL: GENERAL	-	•	
E001	ELECTRICAL - GENERAL NOTES  ELECTRICAL - SYMBOLS AND ABBREVIATION		•	
L002	ELECTRICAL: BUILDING 1-9-46			
EPD-B1-101	ELECTRICAL - OVERALL BASEMENT DEMOLITION PLAN	•	•	
EP-B1-101	ELECTRICAL - OVERALL BASEMENT PLAN	•	•	_
EPD-B1-201	ELECTRICAL - BLDG-1-9-46 - ENLARGED DEMO PLAN - BASEMENT	•	•	
EP-B1-201	ELECTRICAL - BLDG-1 - BASEMENT 4.16KV AND FEEDERS 208V	•	•	
EP-B1-202	ELECTRICAL - BLDG-1 - UPS ROOM ENLARGED PLAN	•	•	l
EP-B1-203	ELECTRICAL - BLDG-1 - GENERATOR ROOM ENLARGED PLAN	•	•	
EP-B1-204	ELECTRICAL - BLDG-1 - OUTDOOR INSTALLATION	•	•	
EP-B1-205	ELECTRICAL - B1 - SOUTH LOADING DOCK SECURITY GATE PLAN			
EP-B1-401	ELETRICAL - BLDG-1-9-46 - ENLARGED PLANS - BASEMENT	•	•	
EP-B1-111	ELECTRICAL - OVERALL FIRST FLOOR PLAN	•	•	
EP-B1-411	ELETRICAL - BLDG-1-9-46 - ENLARGED PLANS - FIRST FLOOR	•	•	
EP-B1-121	ELECTRICAL - OVERALL SECOND FLOOR PLAN	•	•	
EP-B1-421	ELECTRICAL - BLDG-1-9-46 - ENLARGED PLANS - SECOND FLOOR	•	•	
EP-B1-131	ELECTRICAL - OVERALL THIRD FLOOR PLAN	•	•	
EP-B1-231	ELECTRICAL - BLDG-1 - THIRD FLOOR & ROOF POWER PLAN	•	•	
EP-B1-431	ELECTRICAL - BLDG-1-9-46 - ENLARGED PLANS - THIRD FLOOR	•	•	
EP-B1-141	ELECTRICAL - OVERALL FOURTH FLOOR PLAN	•	•	
EP-B1-441 ELD-B1-231	ELECTRICAL - BLDG-1-9-46 - ENLARGED PLANS - FOURTH FLOOR ELECTRICAL - BLDG-1 - THIRD FLOOR LIGHTING DMO PLAN	•	•	L
EL-B1-231	ELECTRICAL - BLDG-1 - THIRD FLOOR LIGHTING DINO FLAN		•	
EPD-B1-241	ELECTRICAL - BLDG-1 - THIND PLOON EIGHTING PLAN  ELECTRICAL - BLDG-1 - FOURTH FLOOR POWER DEMO - DATA CENTER	•	•	
EP-B1-242	ELECTRICAL - BLDG-1 - FOURTH FLOOR POWER PLAN - DATA CENTER	•	•	
ELD-B1-243	ELECTRICAL - BLDG-1 - FOURTH FLOOR LIGHTING DEMO - DATA CENTER	•	•	
EL-B1-244	ELECTRICAL - BLDG-1 - FOURTH FLOOR LIGHTING PLAN - DATA CENTER	•	•	
EP-B1-151	ELECTRICAL - OVERALL FIFTH FLOOR PLAN	•	•	
EP-B1-451	ELECTRICAL - BLDG-1-9-46 - ENLARGED PLANS - PENTHOUSE	•	•	
EPD-B46-402	ELECTRICAL - BUILDING 46 SECOND FLOOR ROOF			
EPD-B46-403	ELECTRICAL - UPS SYSTEM A ROOM BC-50A AND BC-60 DEMOLITION	•	•	T
EP-B46-403	ELECTRICAL - UPS SYSTEM A ROOM BC-50A AND BC-60	•	•	
EFD-B1-244	ELECTRICAL - FIRE ALARM DEMOLITION PLAN	•	•	Γ
EF-B1-244	ELECTRICAL - BLDG-1 - FOURTH FLOOR FIRE ALARM PLAN - DATA CENTER	•	•	
	ELECTRICAL: BUILDING-40			
EP-B40-101	ELECTRICAL - BLDG-40 - ENLARGED POWER PLAN - FIRST FLOOR	•	•	Ĺ
EP-B40-102	ELECTRICAL - BLDG-40 - ENLARGED POWER PLAN - SECOND FLOOR	•	•	Ĺ
	ELECTRICAL: ELECTRICAL DETAILS			

Sheet Number	Sheet Title	QQ %09	85% CD	100% CD	
E502	ELECTRICAL - DETAILS	•	•	•	
EP500	ELECTRICAL - UPS EM POWER FAILOVER SCENARIOS	•	•	•	
	ELECTRICAL: ELECTRICAL SCHEDULES				•
E601	ELECTRICAL - EQ MCR AND EM GEN SWITCHBOARD SCHEDULES	•	•	•	•
E602	ELECTRICAL - EQUIPMENT, LIGHTING AND UPS SYSTEM SCHEDULES	•	•	•	
E603	ELECTRICAL - EMERGENCY PANEL SCHEDULES	•	•	•	
E604	ELECTRICAL - UPS-A PANELS WIRING SCHEDULE		•	•	
E605	ELECTRICAL - EMERGENCY PANELS WIRING SCHEDULE		•	•	
ED606	ELECTRICAL - BC-50 DATA CENTER PANEL SCHEDULES DEMO		•	•	
E606	ELECTRICAL - DATA CENTER PANEL SCHEDULES		•	•	
E607	ELECTRICAL - DATA CENTER PANEL SCHEDULES		•	•	
	ELECTRICAL: ELECTRICAL SINGLE LINES				
ED707	ELECTRICAL - UPS SYSTEM A - ROOM BC-50A - DEMOLITION		•	•	
E707	ELECTRICAL - MCR MONOLITHIC UPS-A & UPS-B BLOCK DIAGRAM		•	•	
E708	ELECTRICAL - EM GEN 46 SWBD 46EE-SWBD, UPS-A AND UPS-B				
	ICT				
TT-001	ICT - GENERAL NOTES, SYMBOLS + ABBREVIATIONS	•	•	•	
TT- 202	ICT - CONSTRUCTION SEQUENCE OF WORK - BASEMENT		•	•	
TT-B01-101	ICT - BUILDING 1-9-46 - BASEMENT ROUTING PLAN		•	•	
TT-B01-111	ICT - BUILDING1-9-46 - FIRST ROUTING PLAN		•	•	
TT-B01-121	ICT - BUILDING 1-9-46 - SECOND ROUTING PLAN		•	•	
TT-B01-131	ICT - BUILDING 1-9-46 - THIRD ROUTING PLAN		•	•	
TT-B01-141	ICT - BUILDING 1-9-46 - FOURTH ROUTING PLAN		•	•	
TT-B01-151	ICT - BUILDING 1-9-46 - PENTHOUSE ROUTING PLAN		•	•	
TT-B01-401	ICT - BUILDING 1-9-46 - ENLARGED PLAN - BASEMENT	•	•	•	_
TT-B01-402	ICT - BUILDING 1-9-46 - MCR ENLARGED PLAN	•	•	•	
TT-B01-403	ICT - BUILDING 1-9-46 - MCR ENLARGED CABLE TRAY PLAN		•	•	-
TT-B01-404	ICT - BUILDING 1-9-46 - MCR ENLARGED PLAN		•	•	
TT-B01-405	ICT - BUILDING 1-9-46 - MCR ENLARGED PLAN		•	•	
TT-B01-406	ICT - BUILDING 1-9-46 - MCR ENLARGED SECURITY		•	•	
TT-B01-407	ICT - BUILDING 1 - SECTIONS - MCR		•	•	
TT-B01-408	ICT - BUILDING 1 - SECTIONS - MCR			•	
TT-B03-101	ICT - BUILDING 3 - OVERALL ROUTING PLAN			•	
TT-B10-101	ICT - BUILDING 10 - OVERALL ROUTING PLAN		•	•	
TT-B11-101	ICT - BUILDING 11 - OVERALL ROUTING PLAN		•	•	
TT-B12-101	ICT - BUILDING 12 - OVERALL ROUTING PLAN		•	•	
TT-B13-101	ICT - BUILDING 13 - OVERALL ROUTING PLAN		•	•	-
TT-B30-101	ICT - BUILDING 30 - OVERALL ROUTING PLAN		•	•	-
TT-B40-101	ICT - BUILDING 40 - OVERALL ROUTING PLAN		•	•	
TT-B40-102	ICT - BUILDING 40 - OVERALL ROUTING PLAN		•	•	
TT-B51-101	ICT - BUILDING 51 - OVERALL ROUTING PLAN		•	•	-
TT-B52-101	ICT - BUILDING 52 - OVERALL ROUTING PLAN		•	•	-
TT-B56-101	ICT - BUILDING 56 - OVERALL ROUTING PLAN		•	•	-
TT-500	ICT - DETAILS		•	•	_
TT-501	ICT - DETAILS		•	•	_
TT-502	ICT - DETAILS		•	•	_
TT-503	ICT - DETAILS		•	•	_
TT-504	ICT - DETAILS		•	•	_
TT-505	ICT - DETAILS		•	•	_
TT-600	ICT - SCHEMATIC		•	•	_
TT-601	ICT - EXISTING SITE PLAN		•	•	
TT-602	ICT - RISER - BACKBONE CABLING RISER DIAGRAM (1 OF 2)		•	•	-
TT-603	ICT - RISER - BACKBONE CABLING RISER DIAGRAM (2 OF 2)		•	•	

ISSUE FOR BID	01-16-24
Revisions:	Date:

www. bancroft-ae.com Bancroft Project No: 22-113 BANCROFT ARCHITECTS + ENGINEERS





Drawing Title	Phase	Project Title		Project Number 437-21-210
GENERAL - DRAWING INDEX	ISSUE FOR BID	EHRM INFRASTRUC	EHRM INFRASTRUCTURE	
		UPGRADES - TIER 2		Building Number
Approved: Project Director		Location FARGO VA HEALTH	NDE QVQTEM	Drawing Number
	BUILDING FULLY			_
	SPRINKLERED	Issue Date Checke		GI-002
	OI ININICEINED	01/16/2024   da	JM	

#### FARGO VA HEALTHCARE SYSTEM CONSTRUCTION CRITERIA

ALL NOTES THIS SHEET SUPERSEDE ARCHITECT/ENGINEER OF RECORD NOTES AND DETAILS PROVIDED IN BOTH THE DRAWINGS AND THE SPECIFICATIONS.

#### GENERAL CONSTRUCTION NOTES

1. VA WILL BE NOTIFIED OF ANY ACTIVITIES THAT ARE KNOWN TO OR COULD POTENTIALLY MEET ANY OF THE FOLLOWING

#### CRITERIA: 1.1. COMPROMISE LIFE SAFETY

- 1.2. CAUSE FUMES OR NOXIOUS ODORS
- 1.3. GENERATE LARGE QUANTITIES OF DUST
- 1.4. INTERFERE WITH THE OPERATION OF THE FIXED FIRE DETECTION OR SUPPRESSION SYSTEMS
- CONTRACTOR WILL AT ALL TIMES ENSURE ALL MEANS OF EGRESS MEET THE FOLLOWING REQUIREMENTS
- 2.1. FIRE/SMOKE DOORS ARE UNLOCKED AND FREE OF OBSTRUCTIONS
- 2.2. SUFFICIENT MEANS OF EGRESS AND IS FREE OF OBSTRUCTIONS 2.3. ALL EGRESS ROUTES PROPERLY MARKED
- 2.4. TRASH AND DEBRIS IS REMOVED WITHIN A REASONABLE TIMEFRAME. DEBRIS IS COVERED AND DAMPENED PRIOR TO
- BEING TRANSPORTED THROUGH THE FACILITY. 2.5. TOOLS AND MATERIALS WILL BE STORED NEATLY AND IN AN ORDERLY MANNER.
- 3. THE CONTRACTOR WILL ENSURE THE FIRE ALARM, FIRE DETECTION, AND FIRE SUPPRESSION SYSTEMS COMPLY WITH THE FOLLOWING CONDITIONS:
- 3.1. FIRE ALARM PULL STATIONS ARE UNOBSTRUCTED 3.2. MEASURES USED TO PROTECT FIRE ALARM, FIRE DETECTION AND FIRE SUPPRESSION SYSTEMS ARE REMOVED WHEN CONTRACTOR IS NOT ACTIVELY WORKING
- 3.3. HOT WORK PERMITS ARE UTILIZED AND ARE CURRENT ANY TIME AN ACTIVITY COULD CAUSE A FIRE.
- 3.4. SPRINKLER HEADS WILL NEVER BE OBSTRUCTED 3.5. INTERIM LIFE SAFETY MEASURES ARE IN PLACE AND ARE BEING EFFECTIVELY MANAGED
- 4. THE CONTRACTOR WILL MAINTAIN A CLEAN WORK SPACE IN ORDER TO PROVIDE A SAFE WORKING ENVIRONMENT AND MINIMIZE THE SPREAD OF DUST THROUGH THE FACILITY. WORKS SITES WILL BE INSPECTED DAILY TO ENSURE THEY MEET THE FOLLOWING REQUIREMENTS:
- 4.1. FLOOR MATS AND DUST TACK MATS ARE LOCATED AT ACCESS POINTS TO THE CONSTRUCTION AREA AND REPLACED
- 4.2. SIGNS AND BARRIERS WILL BE UTILIZED TO RESTRICT UNAUTHORIZED ACCESS TO THE CONSTRUCTION AREAS. SIGNS AND BARRIERS WILL BE CLEANED PRIOR TO THEIR REMOVAL
- 4.3. DRY SWEEPING WILL NOT BE PERFORMED WITHOUT THE USE OF APPROVED SWEEPING COMPOUNDS. 4.4. NEGATIVE PRESSURE IS USED AND MAINTAINED AS REQUIRED BY THE VA. THE CONTRACTOR IS EXPECTED TO ENSURE EXHAUST DUCTING IS NOT LOCATED NEAR ANY OTHER AIR INTAKE ASSEMBLY OR POSE A REASONABLE
- HAZARD TO INDIVIDUALS OUTSIDE. 4.5. ALL HVAC DUCTING WILL BE COVERED DURING ACTIVITIES THAT COULD POTENTIALLY GENERATE DUST OR NOXIOUS FUMES UNLESS THE DUCTING IS BEING USED TO GENERATE NEGATIVE AIR AND WILL NOT AFFECT OTHER HVAC SYSTEMS.
- 5. HAZARDOUS MATERIALS WILL BE STORED IN ACCORDANCE WITH OSHA AND THEIR MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR WILL PROVIDE SDS INFORMATION FOR ALL CHEMICALS ON SITE UPON REQUEST. SDS SHEETS MUST BE AVAILABLE IN THE EVENT OF A FIRE IN ORDER TO ALLOW THE FIRE DEPARTMENT ACCESS TO NECESSARY SAFETY INFORMATION.
- 6. OSHA DEFINED CONFINED SPACES WILL NOT BE ENTERED WITHOUT PRIOR APPROVAL BY THE VA.
- 7. CONTRACTORS ARE EXPECTED TO OBSERVE AND MAINTAIN A LOCKOUT AND TAGOUT POLICY. HAZARDOUS MATERIALS WHICH INCLUDE, BUT ARE NOT LIMITED TO, ASBESTOS ARE CLEARLY IDENTIFIED TO ALL INDIVIDUALS WORKING WITHIN THE CONSTRUCTION ZONE. HAZARDOUS MATERIALS WILL BE QUICKLY MITIGATED AND ELIMINATED AS SOON AS REASONABLY POSSIBLE. ASBESTOS IS KNOWN TO BE PRESENT IN ALL AREAS WITHIN THE CONSTRUCTION LIMITS. THE VA WILL BE PROVIDED A COPY OF ALL DISPOSAL PAPER WORK FOR RECORD KEEPING. CONTRACTOR WILL PROVIDE A COPY OF ALL TESTING REPORTS.
- 8. ALL CONSTRUCTION MATERIALS MUST BE NON-COMBUSTABLE OR CARRY A NFPA FIRE RATING. SPRAY FOAM IS NOT ACCEPTABLE UNLESS IT IS SPECIFICALLY APPROVED BY THE VA.
- 9. ALL NEW OR EXISTING PENETRATIONS WILL BE FIRE CAULKED WITHIN THE LIMITS OF THE WORK.
- 10. A MINIMUM OF 21 DAYS NOTIFICATION WILL BE PROVIDED PRIOR TO THE SHUT DOWN OF ANY UTILITY.
- 11. RECORDS OF EXISTING CONDITIONS MAY BE AVAILABLE BUT THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL SITE CONDITIONS. ALL UTILITY LOCATES WILL BE BY THE CONTRACTOR.
- 12. CONTRACTOR PARKING IS LOCATED ON THE NORTH EAST SIDE OF CAMPUS AND SHARED WITH OTHER CONTRACTORS. CONTRACTORS ARE EXPECTED TO LOCK OR SECURE THEIR EQUIPMENT AND CONSTRUCTION MATERIALS. PARKING OUTSIDE THE DESIGNATED PARKING AREA MUST BE COORDINATED WITH POLICE SERVICES OR THE CONTRACTORS VEHICLE MAY BE TOWED AT THE CONTRACTORS EXPENSE. ALL WORKERS SHALL BE INFORMED THIS IS A FEDERAL FACILITY AND WEAPONS OF ANY KIND OF EXPLOSIVES ARE NOT ALLOWED. EACH WORKER AND/OR THEIR VEHICLE IS SUBJECT TO BEING SEARCHED. SECURITY CAMERAS ARE IN USE ON THE FACILITY AND IT IS REASONABLE THAT A CONTRACTOR MAY INCIDENTALLY BE RECORDED WHILE WORKING IN THE FACILITY.

- 13. THE PRIME CONTRACTOR WILL PROVIDE A JOB SITE FOREMAN WHO IS OSHA 30 HOUR SAFETY QUALIFIED AND WHO MUST BE CAPABLE OF MAKING DECISIONS FOR THE PRIME CONTRACTOR. FAILURE OF THE CONTRACTOR TO HAVE A COMPETENT SUPERINTENDENT ON THE JOB SITE AT ALL TIMES WILL RESULT IN HAVING THE JOB SITE SHUT DOWN. ALL CONTRACTORS WILL BE A MINIMUM OF OSHA 10 HOUR SAFETY QUALIFIED. CONTRACTOR WILL PROVIDE A COMPETENT PERSON FOR ALL CONSTRUCTION ACTIVITY. PROFESSIONAL CERTIFICATIONS MUST BE CURRENT AND DOCUMENTATION MAY BE REQUESTED BY THE VA AT ANY TIME. ATTIRE AND DEMEANOR OF ALL CONTRACT EMPLOYEES MUST BE DECENT AND RESPECTFUL AND FAILURE TO BE RESPECTFUL COULD RESULT IN THE REMOVAL OF THE INDIVIDUAL FROM THE WORK SITE.
- 14. VHA DIRECTIVE 1192, SEASONAL INFLUENZA PREVENTION MEMORANDUM APPLIES TO ANY INDIVIDUAL WORKING AT THE VA AND DOES INCLUDE CONTRACTORS. THE DIRECTIVE DICTATES THAT ALL PERSONNEL WORKING AT THE VA WILL HAVE A CURRENT INFLUENZA VACCINE OR ACCEPTABLE WAIVER. PROOF OF VACCINATION OR AN ACCEPTABLE WAIVER MUST BE PROVIDED UPON REQUEST BY THE VA. ADDITIONAL HEALTH PROTECTION MEASURES MAY BE IMPLIMENTED BEFORE OR DURING CONSTRUCTION IN RESPONSE TO THE COVID PANDEMIC AND THE CONTRACTOR IS EXPECTED TO MAKE EVERY REASONABLE ACCOMMODATION TO THESE POLICIES.
- 15. THE FARGO VA IS A NON-SMOKING FACILITY.
- 16. ALL CHANGES IN CONTRACT WORK AND EXTENSIONS OF TIME MUST BE AUTHORIZED BY THE CONTRACTING OFFICER PRIOR TO BEGINNING THE CHANGE. CHANGES TO THE CONTRACT THAT ARE PERFORMED WITHOUT AUTHORIZATION BY THE CONTRACTING OFFICER ARE PERFORMED AT THE RISK OF THE CONTRACTOR.
- 17. WORK IS EXPECTED TO BE DONE IN PHASES TO ENSURE THAT VA PRIORITIES ARE ADDRESSED FIRST. PHASED CONSTRUCTION IS ALSO REQUIRED TO ENSURE THAT FUNCTIONAL AREAS OF THE HOSPITAL REMAIN OPERATIONAL AT ALL
- 18. THE CONTRACTOR IS EXPECTED TO WORK AFTER NORMAL BUSINESS HOURS TO ENSURE THE CONSTRUCTION IS COMPLETED ON THE CONSTRUCTION COMPLETION DATE ESTABLISHED AT THE AWARD OF THE CONTRACT. ACTIVITIES THAT DISRUPT NORMAL HOSPITAL FUNCTIONS WHICH INCLUDE BUT ARE NOT LIMITED TO FLOOR REMOVAL, ASBESTOS ABATEMENT, AND UTILITY SHUT DOWNS MAY BE REQUIRED TO BE DONE DURING EVENINGS, OR WEEKENDS IN ORDER TO REDUCE DISRUPTION.
- 19. CONTRACTOR SHALL REQUEST AN ABOVE CEILING PERMIT WITH THE VA ENGINEERING DEPARTMENT ANY TIME ANY WORK IS CONDUCTED THAT ADDS, MODIFIES OR ALTERS ANY UTILITIES OR WALL ASSEMBLIES. WORK PERMITS MAY BE SIGNED OUT FOR WHATEVER DURATION THE WORK REQUIRES.
- 20. CONTRACTOR SHALL REQUEST A HOT WORK PERMIT ANY TIME ANY CONSTRUCTION ACTIVITY IS CONDUCTED WHICH SHOULD RESULT IN THE GENERATION HOT SURFACES, SPARKS, OPEN FLAMES OR OTHER SOURCES OF COMBUSTION WITHIN 35FT OF A COMBUSTIBLE MATERIAL AND IN ACCORDANCE WITH OSHA GUIDELINES.
- 21. CONTRACTOR SHALL REQUEST A CONFINED SPACE ENTRY PERMIT ANY TIME A WORKER ENTERS A SPACE WHERE EGRESS IS RESTRICTED AND WHERE OXYGEN CAN BE QUICKLY DISPLACED. QUESTIONS CAN BE DIRECTED TO THE VA INDUSTRIAL HYGIENIST WHO MAINTAINS A COMPREHENSIVE LIST OF PERMITTED CONFINED SPACES. CONTRACTOR MUST PROVIDE A CERTIFICATE OF TRAINING FOR CONFINED SPACE ENTRY PRIOR TO BEGINNING ANY WORK. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR ALL EXPENSES RELATED, PROVIDING THE APPROPRIATE PPE FOR CONFINED SPACE ENTRY.
- 22. CONTRACTOR SHALL COORDINATE AN INSPECTION WITH THE VA ANYTIME WORK IS PERFORMED BEHIND A WALL BUT BEFORE IT IS COVERED OR OTHERWISE VISIBLY OBSTRUCTED.
- 23. CONTRACTOR SHALL COORDINATE AN INSPECTION OF WORK PERFORMED ABOVE THE CEILING PRIOR TO COVERING IT UP OR OTHERWISE VISIBLY OBSTRUCTING THE WORK.

CONSULTANT **ISSUE FOR BID** 01-16-24 Date: Revisions:

VA FORM 08 - 6231

ARCHITECT/ENGINEER OF RECORD | STAMP BANCROFT ARCHITECTS + ENGINEERS www. bancroft-ae.com Bancroft Project No: 22-113

3300 Dundee RD.

T: 847.952.9362

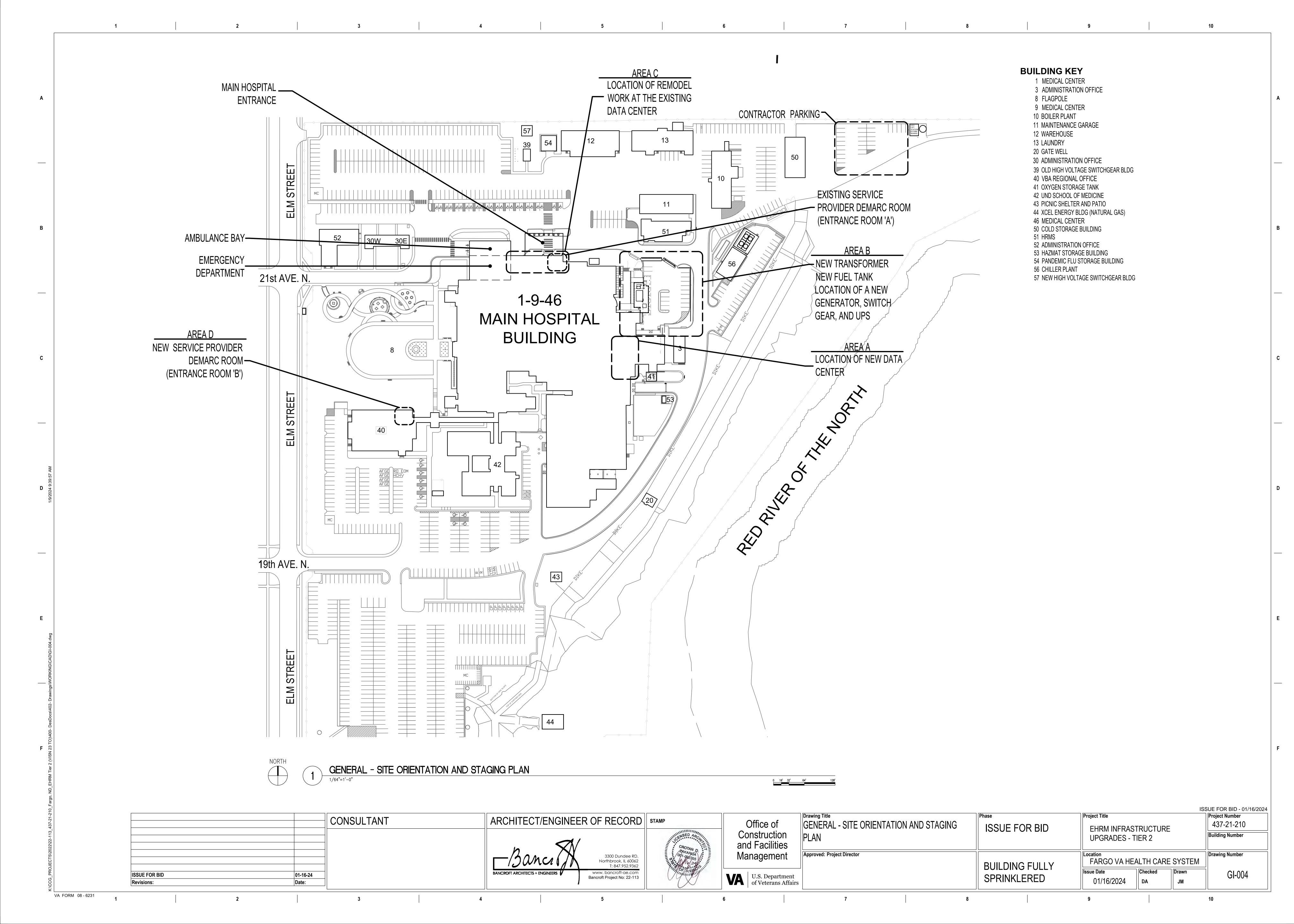
Northbrook, IL 60062

Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Project Title **Project Number Drawing Title GENERAL - FARGO VAHCS CONSTRUCTION** 437-21-210 ISSUE FOR BID EHRM INFRASTRUCTURE **Building Number** CRITERIA UPGRADES - TIER 2 **Approved: Project Director Drawing Number** FARGO VA HEALTH CARE SYSTEM **BUILDING FULLY** Checked GI-003 **SPRINKLERED** DA

ISSUE FOR BID - 01/16/2024



#### APPLICABLE CODES + STANDARDS

ALL WORK SHALL COMPLY WITH THE FOLLOWING CODES AND STANDARDS:

- 1) 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/).
- 2) NFPA 101 LIFE SAFETY CODE, 2021 (SEE NOTE 'A' BELOW).
- 3) NFPA NATIONAL FIRE CODES WITH THE EXCEPTION OF NFPA 5000 AND NFPA 900, 2021.
- 4) VA FIRE PROTECTION DESIGN MANUAL / 8TH EDITION (JUNE 1, 2021).
- 5) INTERNATIONAL FIRE PROTECTION CODE, 2021.
- 6) INTERNATIONAL BUILDING CODE (IBC), 2021 (SEE NOTE 'A' BELOW).
- 7) OCCUPATIONAL, SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS.
- 8) NATIONAL ELECTRICAL CODE (NEC), 2020.
- 9) NATIONAL ELECTRIC MANUFACTURERS ASSOCIATION (NEMA)
- 10) NATIONAL FIRE ALARM CODE (NFPA 72)
- 11) NFPA 110 STANDARD FOR EMERGENCY AND STANDBY POWER SYSTEMS.
- 12) NFPA 75 STANDARD FOR FIRE PROTECTION OF INFORMATION TECHNOLOGY EQUIPMENT, 2020.
- 13) INTERNATIONAL PLUMBING CODE (IPC), 2021.
- 14) ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARDS (ABAAS) INCLUDING VA SUPPLEMENT, BARRIER FREE DESIGN
- 15) BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, AMERICAN CONCRETE INSTITUTE AND COMMENTARY (ACI 318)
- 16) MANUAL OF STEEL CONSTRUCTION, LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
- 17) ENERGY POLICY ACT OF 2005 (EPAct2005)
- 18) INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2021
- 19) INTERNATIONAL MECHANICAL CODE (IMC)
- 20) UNDERWRITER'S LABORATORIES (UL)
- 21) SHEET METAL AND AIR CONDITIONING CONTRACTORS ASSOCIATION (SMACNA)
- 22) FACTORY MUTUAL (FM)
- 23) EXECUTIVE ORDER 13423: STRENGTHENING FEDERAL ENVIRONMENTAL, ENERGY, AND TRANSPORTATION MANAGEMENT.
- 24) THE PROVISIONS FOR CONSTRUCTION AND SAFETY SIGNS. STATED IN THE GENERAL REQUIREMENTS SECTION 01010 OF THE VA MASTER CONSTRUCTION SPECIFICATION.
- 25) VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY ASHRAE STANDARD 62.1, 2022.
- 26) SAFETY STANDARD FOR REFRIGERATION SYSTEMS ASHRAE STANDARD 15, 2022.

DESIGN FEATURES NOT ADDRESSED BY NFPA 101 OR DOCUMENTS REFERENCED THEREIN SHALL COMPLY WITH THE REQUIREMENTS OF IBC AND OTHER CODES & STANDARDS LISTED OR REFERENCED.

#### FIRE PROTECTION SYSTEM

PROJECT AREA SHALL BE SPRINKLERED WITH SYSTEM INCLUDING VA-APPROVED SPRINKLER HEADS. BALANCE OF BUILDING UNDERSTOOD TO REMAIN AS-IS.

ALL WORK SHALL BE IN COMPLIANCE WITH APPLICABLE BUILDING CODES.

#### ARCHITECTURAL BARRIERS ACT (ABA)

PER ICC/ANSI-A117.1-2009, THE FOLLOWING IN SCOPE ITEMS SHALL COMPLY FULLY:

- 1. ALL CONTROLS AND OPERABLE PARTS SHALL FULLY COMPLY AND BE BETWEEN 15" AND 48" AFF.
- 2. ALL SIGNAGE SHALL COMPLY, BE OF BRAILLE AND TACTILE STYLE AND LOCATED ON THE DOOR HANDLE SIDE OF DOOR AND INSTALLED AT ABA COMPLIANT HEIGHT AND DISTANCE FROM DOOR FRAME.

#### GENERAL PROJECT INFORMATION

EHRM INFRASTRUCTURE UPGRADES - TIER 2

BUILDING NUMBERS: 1-9-46, 40, 3. 10, 11, 12, 13, 30, 39, 40, 51, 52, 56 2101 ELM STREET NORTH

FARGO, ND 58102

PROJECT DESCRIPTION: THE SCOPE OF WORK OF THIS PROJECT INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING:

- CONSTRUCTION OF A NEW MAIN COMPUTER ROOM (MCR) AND SUPPORT SERVICE SPACES IN THE FORM OF A DATA CENTER LOCATED ON THE FOURTH FLOOR OF BUILDING 1.
- DECOMMISSIONING OF THE EXISTING BASEMENT LEVEL COMPUTER ROOM IN BUILDING 46. RENOVATION OF THE COMPUTER ROOM TO PROVIDE TWO COMMON STORAGE ROOMS.
- UPGRADES TO THE BUILDING 46 BASEMENT LEVEL ROOM BC-60 (ENTRANCE ROOM 'A').
- UPGRADES TO BUILDING 40 ROOM 102B TO SERVE AS ENTRANCE ROOM 'B'.
- INSTALLATION OF A NEW GENERATOR IN AN EXISTING GENERATOR ROOM, GENERATOR FUEL TANK, TRANSFORMER, RADIATOR, SWITCHBOARD, AND UPS AT THE BUILDING 1 BASEMENT LEVEL TO SERVE THE NEW DATA CENTER. THE NEW GENERATOR SHALL MEET ALL APPLICABLE REQUIREMENTS OF NFPA 110.
- INSTALLATION OF INFRASTRUCTURE THROUGHOUT THE CAMPUS FOR A 'B' ROUTE FIBER OPTIC CABLE SYSTEM WITH CONNECTIVITY PROVIDED TO EXISTING TELECOMMUNICATIONS ROOMS.
- INSTALLATION OF SITE SECURITY GATES, FENCING AND BLAST MITIGATION BARRIERS TO PROVIDE FOR PSRDM COMPLIANCE AS IT PERTAINS TO BLAST MITIGATION AT NEW CRITICAL INFRASTRUCTURE AS A PART OF THIS SCOPE OF WORK.

FARGO VA HEALTH CARE SYSTEM OWNER: ADDRESS: 2101 ELM STREET NORTH

FARGO, ND 58102

DESIGN PROFESSIONAL: BANCROFT ARCHITECTS + ENGINEERS 3300 DUNDEE ROAD

NORTHBROOK, IL 60062

	BUILDING DATA									
BUILDING SPRINKLERS:	LERS: EXISTING TO REMAIN / RECONFIGURE AS AFFECTED BY DEMOLITION / CONSTRUCTION. REARS IN SCOPE OF WORK TO RECEIVE NEW SPRINKLERS AS REQ'D.					VATED & NEW				
PROJECT USE/OCCUPANCY:	STORAGE	STORAGE								
APPLICABLE CODE	NFPA 50	, NFPA 220 (2018), 000 (2018)	IBC (2018)		REQUIRED	PROVIDED				
	SECTION	REQUIREMENT	SECTION	REQUIREMENT						
BUILDING CONSTRUCTION TYPE	NFPA 220, Table 4.1.1	TYPE III (200)			EXISTING: TYPE III(200)	TYPE III (200)				
FOR SPRINKLERED (S) BLDG: ALLOWABLE HEIGHT (S) ALLOWABLE # OF STORIES (S)		75' 5 STORIES			75'-0" 5 STORIES	EXISTING TO REMAIN				
ALLOWABLE BUILDING AREA PER STORY	NFPA 5000 (2018), TABLE 7.4.1	19,000 SF	NFPA GOVERNS		19,000 S.F.	EXISTING TO REMAIN				
	TABLE	7.3.1.2								
	BUSINESS USE	150 GSF				SEE OCCUPANCY				
PROJECT OCCUPANT LOAD FACTORS	STORAGE	Not Applicable. Utilizing Estimated Intended Maximum # of Occupants.	N	FPA GOVERNS	NFPA GOVERNS	INFORMATION FOR OCCUPANT CALCULATIONS				

1	BUILDING INFORMATION		
	BUILDING CONSTRUCTION CLASS	TYPE III (200)	NFPA 220, TABLE 4.1.1
	BUILDING OCCUPANCY CLASS	HEALTHCARE	NFPA 101 TABLE 7.3.1.2

TOTAL PROJECT AREA (STORAGE ROOMS, SWITCHBOARD AND UPS ROOMS. 6,248 SF GENERATOR ROOM & DATA CENTER):

TOTAL PROJECT SIZE

#### PROJECT INFORMATION - BASEMENT LEVEL STORAGE

PROJECT AREA - OCCUPANCY CLASS:	HEALTHCARE (INCIDENTAL STORAGE)	
PROJECT AREA - OCCUPANT LOAD:	NOT APPLICABLE	
MECH & STOR AREAS - OCCUPANT LOAD:	3,010 GSF; EST. MAX 4 OCCUPANTS	NFPA 101 TABLE 7.3.1.2

#### PROJECT INFORMATION - BASEMENT LEVEL MECHANICAL (SWITCHBOARDS, UPS & GENERATOR ROOM) | HEALTHCARE (INCIDENTAL MECHANICAL) PROJECT AREA - OCCUPANCY CLASS: PROJECT AREA - OCCUPANT LOAD: NOT APPLICABLE NFPA 101 TABLE 7.3.1.2 MECH. & STOR. AREAS - OCCUPANT LOAD: 1,023 GSF; EST. MAX 3 OCCUPANTS

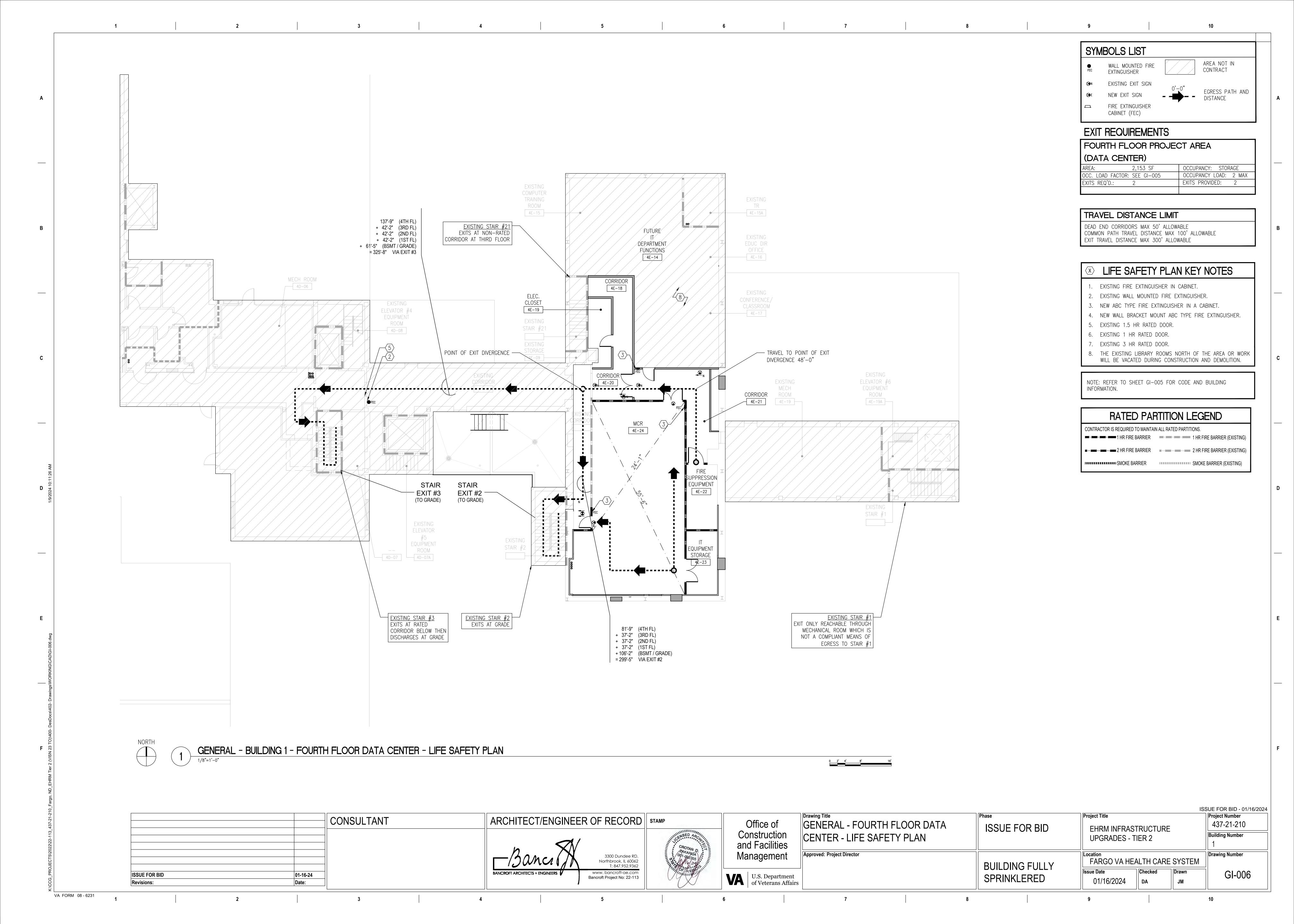
#### PROJECT INFORMATION - FOURTH FLOOR - DATA CENTER

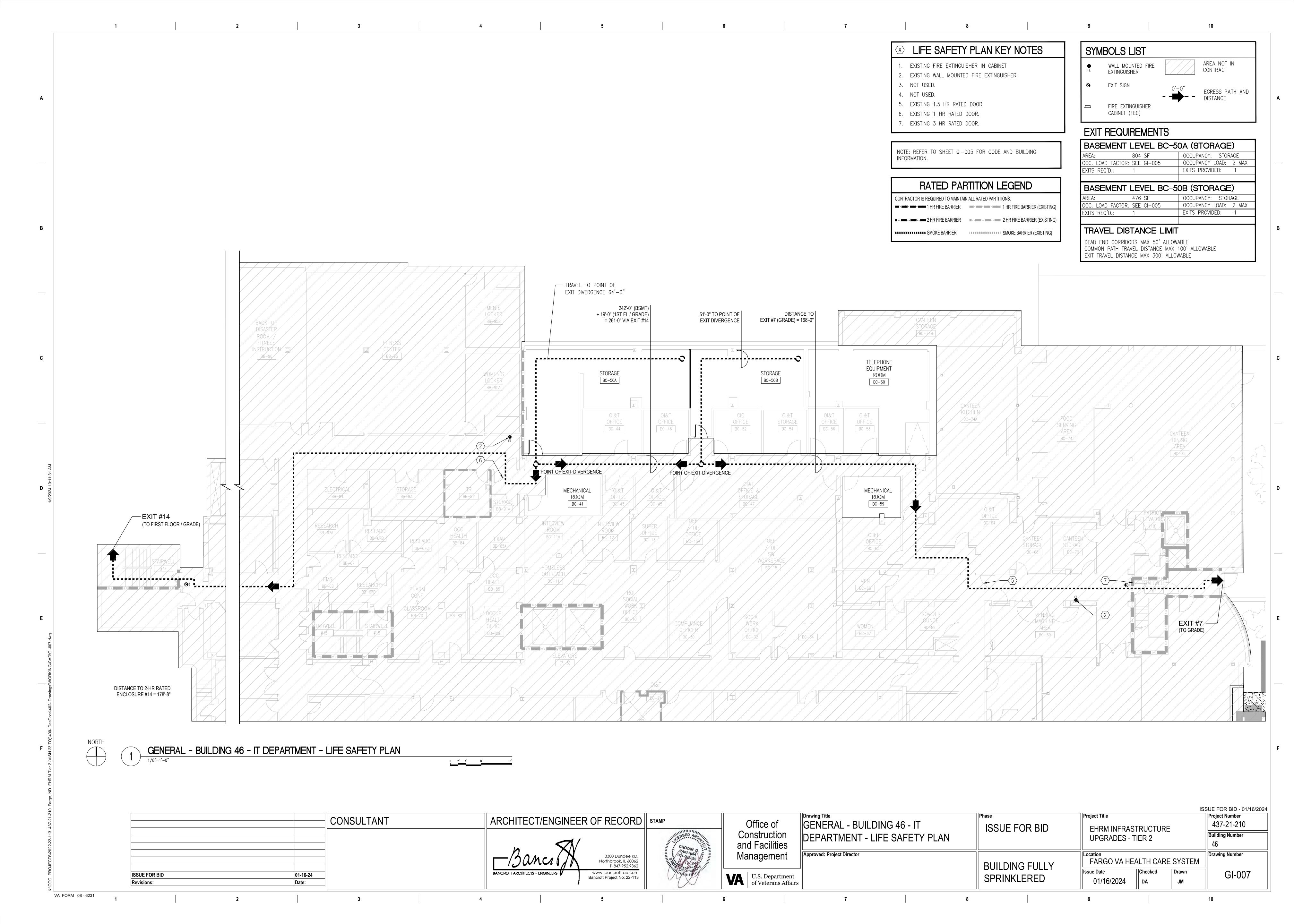
PROJECT AREA - OCCUPANCY CLASS:	HEALTHCARE (INCIDENTAL STORAGE)	
PROJECT AREA - OCCUPANT LOAD:	NOT APPLICABLE	
MECH. & STOR. AREAS - OCCUPANT LOAD:	2,215 GSF; EST. MAX 2 OCCUPANTS	NFPA 101 TABLE 7.3.1.2

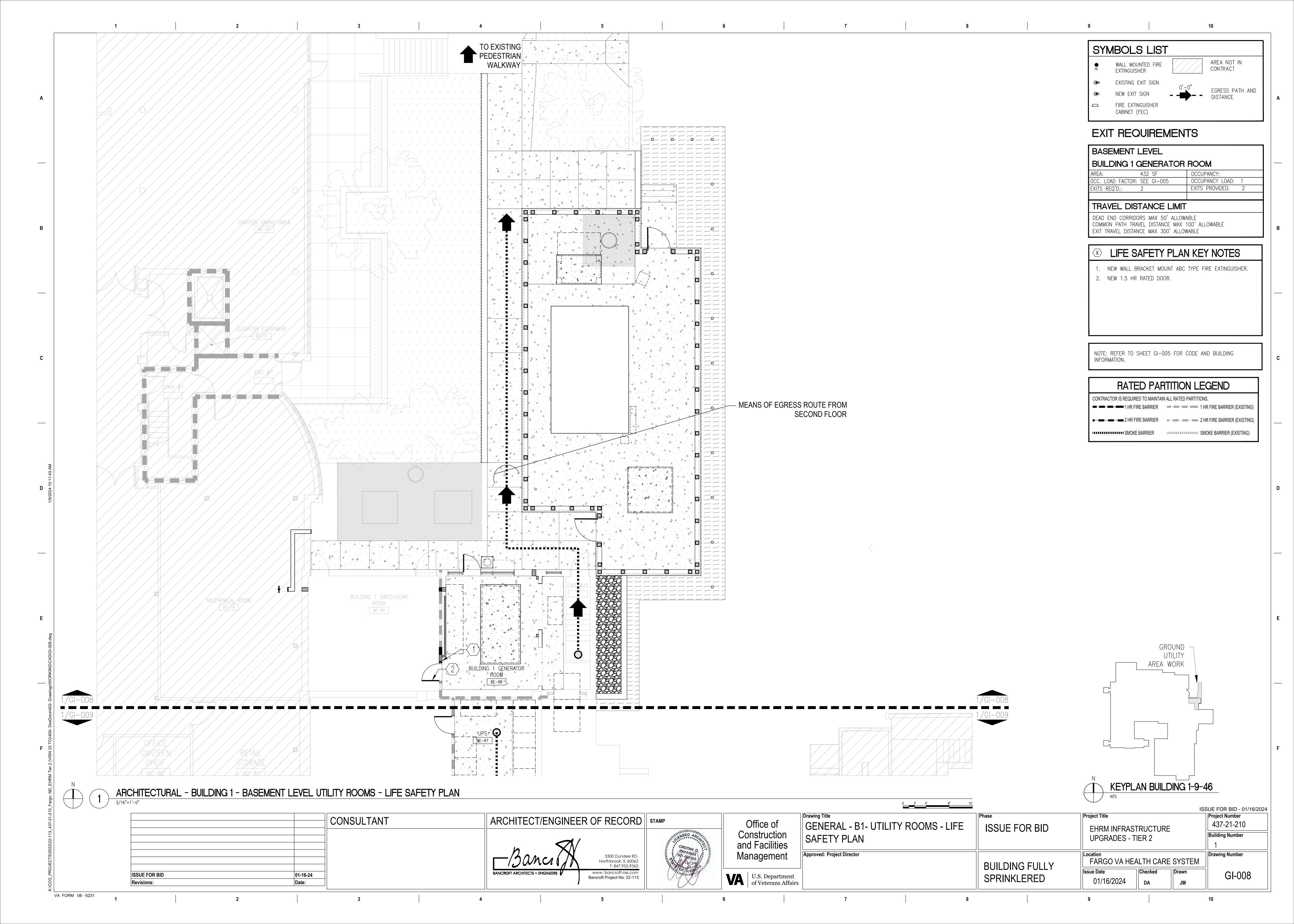
#### AUTOMATIC FIRE SUPRESSION

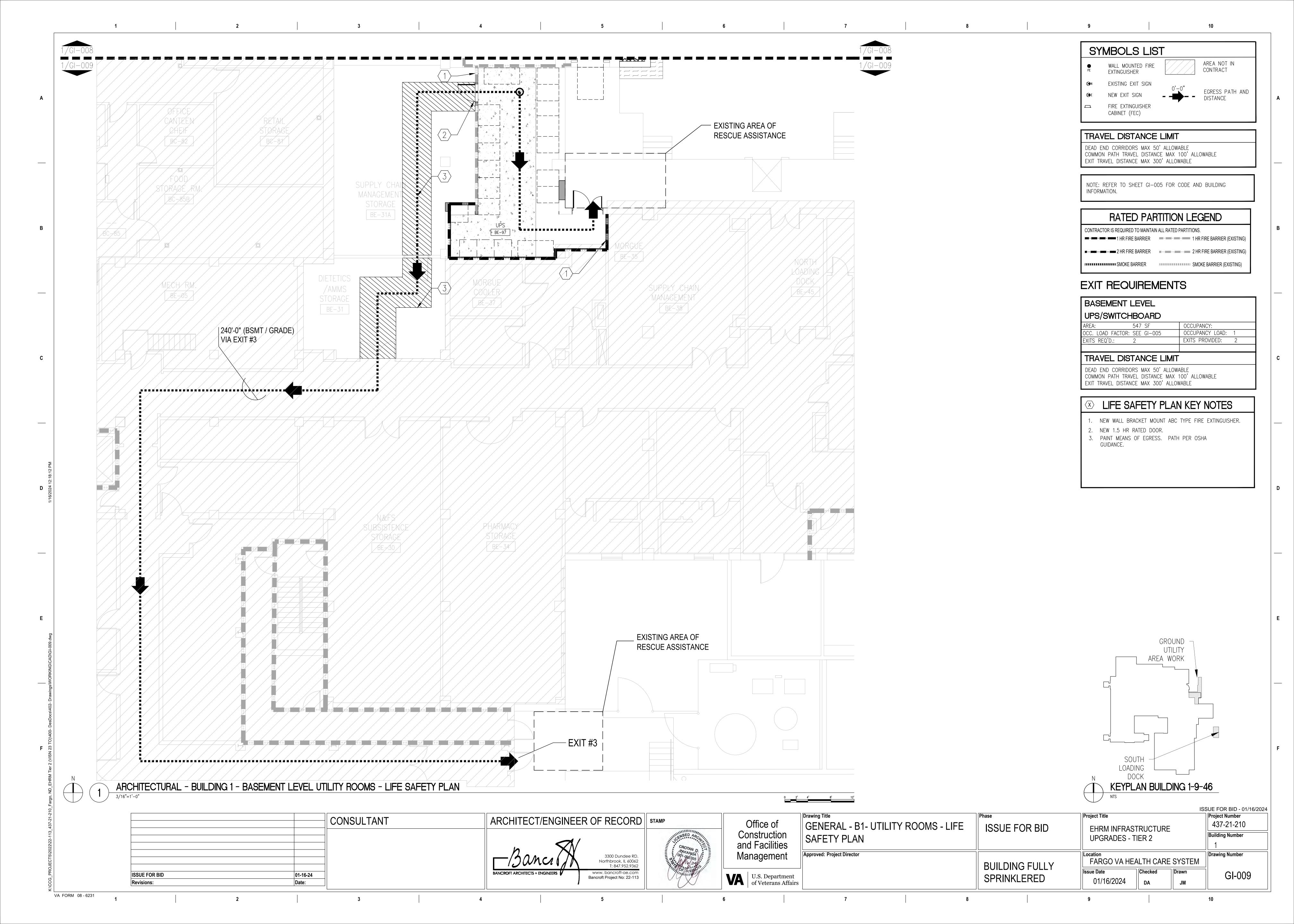
FIRE SUPPRESSION:	RENOVATED AND NEW AREAS UNDER THIS PROJECT SCOPE SHALL BE IN ACCORDANCE WITH
FIRE SUPPRESSION.	NFPA 13.

								ISSUE FOR BID - 01/16/2024
	CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP	Office of	Drawing Title	ISSUE FOR BID	Project Title  EHRM INFRASTRUCTURE	Project Number 437-21-210
		<b>√</b> √/	CROTAL CE	Construction and Facilities	GENERAL - CODE AND BUILDING INFORMATION	ISSULT OIL DID	UPGRADES - TIER 2	Building Number
		3300 Dundee RD. Northbrook, IL 60062 T: 847.952.9362	001-092355 101-092355	Management	Approved: Project Director	BUILDING FULLY	FARGO VA HEALTH CARE SYSTEM	
FOR BID 01-16-2 ions: Date:	4	BANCROFT ARCHITECTS + ENGINEERS www. bancroft-ae.com Bancroft Project No: 22-113	The state of the s	U.S. Department of Veterans Affairs	S	SPRINKLERED	Issue Date Checked Drawn O1/16/2024 DA JM	GI-005









#### GENERAL NOTES FOR CONTRACTORS

- 1. 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.
- 2. 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. ALL QUESTIONS MUST BE MADE IN WRITING.
- 3. 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 IS HIGHLY ENCOURAGED TO 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.
- 4. 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/COR BEFORE STARTING ANY OF THE WORK.
- 5. 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.
- 6. 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/COR 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/COR TO AVOID CONFLICTS AND MISCOMMUNICATION.
- 9. 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.
- 10. 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 ON SHEET GI001 AND COORDINATE ALL SITE SPECIFIC CONDITIONS IMPACTS ENCOUNTERED WITH THE VA/COR.
- 11. DO NOT SCALE THE DRAWINGS. USE THE GIVEN DIMENSIONS.
- 12. THE GENERAL/PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL SHOP DRAWING REQUIREMENTS WITH ALL OF THE AFFECTED TRADES, THE VA/COR AND WITH THE AE.
- 13. OBTAIN ALL REQUIRED VA/COR AUTHORIZATIONS BEFORE BEGINNING ANY DEMOLITION WORK OR NEW CONSTRUCTION, INCLUDING TEMPORARY BARRICADES AND PROTECTION WORK
- 14. EACH CONTRACTOR SHALL MAINTAIN A COMPETENT OSHA-30 FOREMAN OR EQUALLY QUALIFIED DIRECT REPRESENTATIVE ON THE JOB SITE AT ALL TIMES.
- 15. 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.
- 16. 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 A/E FOR DISTRIBUTION AT THE COMPLETION OF THE PROJECT.
- 17. 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.
- 18. 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.
- 19. 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.
- 20. ALL CUTTING, CORING AND DRILLING OF EXISTING CONCRETE AND MASONRY CONSTRUCTION SHALL NOT DAMAGE EXISTING REINFORCING STEEL, PIPING, CONDUITS OR OTHER CONCEALED CONSTRUCTION WITHIN. ALL CUTTING, CORING AND DRILLING SHALL BE PERFORMED USING WET SAWS. GENERAL CONTRACTOR MUST PROVIDE WATER MITIGATION EFFORTS ON BOTH SIDES OF THE CUT. 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/COR APPROVAL BEFORE PROCEED WITH ANY SUCH REQUIRED PENETRATIONS WORK.
- 21. RELOCATIONS OF ANY INFRASTRUCTURE DISTRIBUTION SYSTEMS OR EQUIPMENT, WHICH MAY ALTER THE ARCHITECTURAL OR STRUCTURAL CONSTRUCTION, MUST BE APPROVED FIRST BY THE VA/COR PRIOR TO STARTING ITS RELOCATION.
- 22. 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.
- 23. CONTRACTORS TO ENSURE ALL FIRE RESISTIVE RATINGS ARE MAINTAINED PER LOCATIONS SHOWN ON THE DRAWINGS AND AS DISCOVERED IN THE FIELD. ALL PENETRATIONS ARE TO BE SEALED BY AN APPROVED UL FIRESTOPPING SYSTEM. SEAL ALL EXISTING PENETRATIONS EXPOSED DURING CONSTRUCTION AS PER THE APPROVED UL FIRESTOPPING SYSTEM INSTALLATION REQUIREMENTS. FOLLOW THE MANUFACTURE'S DESIGN RECOMMENDATIONS FOR THE PROPER FIRE STOPPING MATERIAL TO BE USED IN EACH SPECIFIC APPLICATION.
- 24. ALL FIRESTOPS SHALL MATCH THE FIRE RATING OF THE CONSTRUCTION BEING PENETRATED, SUCH AS WALLS, FLOORS, CEILINGS, PARTITIONS ETC. AND SHALL COMPLY WITH ALL CODE REQUIREMENTS. USE ONLY A SINGLE (FMRC) APPROVED MANUFACTURERS LINE OF PRODUCTS FOR ALL PROJECT FIRESTOPPING.
- 25. THE BASIS OF DESIGN FOR ALL FIRE STOPPING WILL BE PREFABRICATED PRODUCTS AS MANUFACTURED BY HILTI, THE 3M COMPANY, OR VA APPROVED EQUAL.
- 26. PROVIDE AN HOURLY RATED FIRESTOP AT ALL PENETRATIONS OF RATED CONSTRUCTION AND/OR ASSEMBLIES, WHETHER NEW OR EXISTING, AND AS A DIRECT RESULT OF THE PROJECT DEMOLITION WORK OR NEW CONSTRUCTION. WHERE COMBUSTIBLE PENETRANTS OCCUR USE A FIRE RATED INTUMESCENT MATERIAL AND WHERE NONCOMBUSTIBLE PENETRANTS OCCUR USE A FIRE RATED ENDOTHERMIC MATERIAL. ALL FIRESTOPPING WORK MUST BE APPROVED BY THE VA/COR BEFORE CONCEALED BY CONSTRUCTION.
- 27. IF A FIRE WATCH IS NEEDED IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PERFORM THE FOUR-HOUR WALKING INSPECTIONS WHILE THE FIRE WATCH IS IN EFFECT.
- 28. VA DIRECTIVE 6500 REQUIRES THAT CONTRACTORS WORKING IN IT SPACES MUST BE ESCORTED BY PERSONNEL WITH A VA ISSUED PIV BADGE AUTHORIZED BY THE OIT REGIONAL AREA MANAGER TO BE IN THE IT SPACES.

#### OCCUPIED AREA 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 CONSTRUCTION WORK (DEMOLITION OR NEW) IN OCCUPIED SPACES, THE FOLLOWING PROTECTION PROTOCOLS WILL BE FOLLOWED ON A DAILY BASIS UNLESS MODIFIED IN WRITING BY THE VA/COR ON A CASE BY CASE BASIS:

- 1. CAREFULLY MOVE/RELOCATE ANY SIGNAGE, WALL HUNG ITEMS, BLINDS, CURTAINS, ETC. THAT ARE WITHIN THE AREA/ZONE WHERE THE WORK IS TO BE ACCOMPLISHED AND IN DANGER OF BEING DAMAGED BY THE PERFORMANCE OF THE WORK, INCLUDING DAMAGE THAT CAN BE CAUSED BY FALLING OBJECTS, DUST OR MOISTURE. NOTE: THIS ALSO APPLIES TO THE DIRECT ACCESS ROUTE(S) THRU THE OCCUPIED AREA(S) TO AND FROM THE ACTUAL WORK AREA/ZONE. NOTE: THE VA/COR WILL BE RESPONSIBLE TO MOVE/RELOCATE ANY FURNITURE, EQUIPMENT, BOXES, FILES, USER BELONGINGS, ETC. THAT WOULD BE IN THE AREA OF WORK AND OBSTRUCT/INTERFERE WITH THE PERFORMANCE OF THE CONTRACTOR'S WORK. COORDINATE ALL REQUIRED VA RELOCATIONS WITH VA/COR.
- 2. CAREFULLY PROVIDE FULL PROTECTIVE DUST, MOISTURE AND DAMAGE PREVENTION
  BARRIERS/COVERS FOR ALL SUCH ITEMS ADDRESSED ABOVE INCLUDING THE ADDITIONAL
  PROTECTION OF ALL WALL SURFACES/FINISHES, WINDOWS/GLAZING, DOORS, FRAMES,
  HARDWARE, CARPETING, FLOOR COVERINGS, WALL BASE, ELECTRICAL DEVICES, WALL/CEILING
  MOUNTED EQUIPMENT & CONTROLS, CEILING CONSTRUCTION, TILE, GRID, WALL ANGLES, LIGHT
  FIXTURES, DIFFUSERS, GRILLES, LIFE SAFETY DEVICES, FIRE SPRINKLER HEADS, ETC.
- 3. FLOOR FINISHES SHALL BE PROTECTED THROUGHOUT THE AREA WITH A 6 MIL HEAVY DUTY STRING REINFORCED FIRE RETARDANT POLYETHYLENE SHEETING AND/OR TEMPORARY TARPAULIN(S)/DROP CLOTH(S) AS A MINIMUM FOR DUST, MOISTURE AND VERY LIGHT FOOT TRAFFIC PROTECTION.
- 4. ALL MAIN TRAFFIC AREAS TO AND INSIDE THE WORK ZONE/AREAS SHALL HAVE ADDITIONAL PROTECTION PROVIDED OVER THE 6 MIL HEAVY DUTY STRING REINFORCED FIRE RETARDANT POLYETHYLENE SHEETING (VISQUEEN), IN THE FORM OF FULL SHEETS OF 3/16" TEMPERED HARDBOARD (MASONITE) 4'X8' PANELS. ALL MASONITE PANELS SHALL BE FIRMLY HELD TOGETHER AND SECURED IN PLACE VIA THE USE OF AN INDUSTRY APPROVED 2" HEAVY DUTY CONSTRUCTION ADHESIVE TAPE, INTENDED FOR THIS APPLICATION. NOTE: ALL BOARD TO BOARD JOINTS WILL BE FULLY TAPED THE LENGTH OF THE JOINT AND ALL BOARD TO VISQUEEN JOINTS WILL BE TAPED AT 4' ON CENTER WITH A MINIMUM 8" LENGTH OF TAPE. PAINTERS TAPE AND/OR MASKING TAPE ARE NOT CONSIDERED EQUIVALENTS TO THE HEAVY DUTY CONSTRUCTION ADHESIVE TAPE BEING SPECIFIED.
- 5. CONSTRUCT A TEMPORARY FULL HEIGHT, FULLY SEALED, CONTAINMENT ENCLOSURE AROUND ALL CONSTRUCTION AREAS/ZONES IN ORDER TO CONTAIN AS MUCH DUST AND DEBRIS AS POSSIBLE DURING THE PERFORMANCE OF ANY DEMOLITION, CONSTRUCTION AND CLEAN-UP
- 6. FARGO VAHCS REQUIRES THE USE OF A DUST CONTAINMENT AND INFECTION CONTROL PANEL SYSTEM. THE SYSTEM BASIS OF DESIGN IS "EDGE GUARD" OR VAHCS APPROVED EQUAL.
- 7. WHEN ALL WORK IS COMPLETED FOR THE PREARRANGED SPECIFIC LOCATION(S), SCHEDULED TASKING AND IDENTIFIED PERIOD OF TIME THE ENTIRE AREA IS TO BE FULLY CLEANED-UP, ALL TEMPORARY CONTAINMENT ENCLOSURES AND PROTECTION REMOVED WITH ALL ITEMS IDENTIFIED IN NOTE #1 RETURNED TO THEIR PRIOR FUNCTIONING POSITIONS. NOTE: FULLY CLEANED-UP MEANS COMMERCIALLY VACUUM CLEANED WITH ALL SURFACES BEING FULLY WIPED DOWN AND DUST FREE AS THE CONTRACTOR ACCEPTED THE AREA/SPACE PRIOR TO PERFORMING THE WORK.
- 8. ALL SPACES WILL BE RETURNED TO THE USER, BY THE CONTRACTOR, AS A COMMERCIALLY CLEAN ENVIRONMENT WITH ALL OPEN CONSTRUCTION SURFACES SEALED WITH TEMPORARY CONSTRUCTION MATERIALS INCLUDING THE USE OF 6 MIL HEAVY DUTY STRING REINFORCED FIRE RETARDANT POLYETHYLENE SHEETING (VISQUEEN), IN ORDER TO AVOID DUST PARTICLES FROM THE CONSTRUCTION AREA MIGRATING INTO THE OCCUPIED USER'S AREA/SPACE/ROOM(S).
- 9. UNLESS DIRECTLY SPECIFIED AND CONFIRMED BY THE VA/COR OTHERWISE, ALL TEMPORARY PROTECTION AND ENCLOSURES ARE TO BE SET-UP AND KNOCKED-DOWN ON A DAILY BASIS SUCH THAT THE USERS OF THE OCCUPIED AREAS ARE NOT TO BE INCONVENIENCED AND PREVENTED FROM FUNCTIONING WITHIN THEIR SPACE/AREA/ROOM(S) DURING THEIR NORMAL BUSINESS HOURS OF OPERATION. (M-F 08:00 16:30)
- 10. THE BASIS OF DESIGN FOR ALL 6 MIL HEAVY DUTY STRING REINFORCED FIRE RETARDANT POLYETHYLENE SHEETING WILL BE IN FULL COMPLIANCE WITH NFPA 701-04, ASTM E84 AND CPAI 84 SECTION 6. IT SHALL BE MANUFACTURED WITH 3 PLY CONSTRUCTION CONSISTING OF FIRE RETARDANT VIRGIN POLYETHYLENE IN THE (2) OUTER LAYERS OF PLASTIC WITH A DIAMOND SCRIM REINFORCING MESH PLACED BETWEEN.
- 11. MOBILE CONTAINMENT SYSTEMS MAY BE UTILIZED WHERE APPLICABLE, IF APPROVED FOR USE BY THE VA/COR. MOBILE UNITS SHALL BE FULLY EQUIPPED WITH A NEGATIVE AIR HEPA FILTRATION SYSTEM THAT IS IN COMPLIANCE WITH THE INFECTION CONTROL REQUIREMENTS OF EACH SPECIFIC AREA OF WORK AND TASK BEING PERFORMED.

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

#### 1. 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.

2. 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:

- 1. THE BASIS OF DESIGN (BOD) INCORPORATES THE DESIGN INTENT AND PERFORMANCE BASED CHARACTERISTICS FOR ALL MATERIALS, SYSTEMS AND WORKMANSHIP THAT IS INCLUDED IN THE CONSTRUCTION DOCUMENTS AND REFERENCED BY SAME.
- 2. THE BOD COMPLIANCE PROTOCOLS ARE TO BE FOLLOWED FOR ALL PROPOSED EQUIVALENT SUBSTITUTIONS, DEPARTURES OR ADJUSTMENTS FROM THE CONSTRUCTION DOCUMENT DRAWINGS, DETAILING, AND SPECIFICATIONS PROVIDED THE SUBSTITUTIONS, DEPARTURES, OR ADJUSTMENTS MEET THE DESIGN INTENT, SCOPE OF WORK (SOW) CRITERIA REQUIREMENTS, AND PERFORMANCE BASED CHARACTERISTICS.
- 3. NO SUCH EQUIVALENT SUBSTITUTION, DEPARTURES OR ADJUSTMENTS WILL BE ALLOWED WITHOUT FIRST GOING THROUGH THE BOD COMPLIANCE PROTOCOLS PROCESS AND OBTAINING THE GOVERNMENT'S APPROVAL FROM THE CONTRACTING OFFICER (CO).

#### BOD COMPLIANCE PROTOCOLS:

- 1. THE BOD COMPLIANCE PROTOCOLS APPLY TO ALL MATERIALS, EQUIPMENT, HARDWARE, FINISHES, CONTROLS, ENGINEERING SYSTEMS AND THEIR INCLUSIVE PARTS, DETAILED ASSEMBLIES, IMPACTED ELEMENTS OF WORK PLUS ALL RELATED DESIGN CRITERIA 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 INTENT AND PERFORMANCE CHARACTERISTICS REQUIRING BOD COMPLIANCE ANALYSIS WILL VARY WITH EACH SPECIFIC ITEM BEING PROPOSED AS AN EQUIVALENT SUBSTITUTION AND WILL NEED TO BE FULLY COMPARED AND ANALYZED TO ESTABLISH BOD EQUIVALENCY COMPLIANCE.
- 3. 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 ADJUSTMENTS, DETAILING DEPARTURES, FRAMING ALTERATIONS, 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.
- 4. A VERY CRITICALLY IMPORTANT DESIGN CHARACTERISTIC OF ALL BOD ITEMS NEEDING TO BE FULLY EVALUATED AND PROPERLY COORDINATED WOULD BE THE DESIGN AND LAYOUT OF 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, CONNECTIONS AND LOCATION REQUIREMENTS, INSTALLATION TOLERANCES, OPERABLE ELEMENT CLEARANCES, ETC., ALL OF WHICH COULD IMPACT OTHER AREAS OF CONSTRUCTION OR COMPONENTS OF WORK REQUIRING ADJUSTMENTS IN ORDER TO COMPLY WITH THE DESIGN INTENT.
- 5. CONTRACTORS WILL BE RESPONSIBLE TO FULLY IDENTIFY ALL PROPOSED EQUIVALENT SUBSTITUTIONS, DEPARTURES, IMPACTS, ALTERATIONS AND ADJUSTMENTS FROM THE "BASIS OF DESIGN" INTENT TO THE GENERAL/PRIME CONTRACTOR DURING THE BIDDING PROCESS AND OBTAIN THEIR APPROVAL BEFORE COMPLETING THEIR PRICING AND SUBMITTING A BID TO SAME.
- 6. IF A PROPOSED EQUIVALENT SUBSTITUTION ITEM WILL REQUIRE THAT ALTERATIONS AND/OR ADJUSTMENTS 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 REQUIRED AS A PART OF THEIR BIDDING AND FUTURE CONTRACTUAL SCOPE OF WORK RESPONSIBILITIES.
- 7. 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 AND MOUNTING VARIANCES, INSTALLATION CONFLICTS AND DETAILING ALTERATIONS OR ADJUSTMENTS, ETC. CAUSED BY THE EQUIVALENT SUBSTITUTION REQUIREMENTS.
- 8. 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.
- 9. EACH EQUIVALENT SUBSTITUTION REQUEST ALONG WITH ANY AND ALL IMPACTS, VARIANCES, ALTERATIONS OR ADJUSTMENTS REQUIRED TO OTHER ELEMENTS OF WORK WILL ALSO REQUIRE VA/CO APPROVAL(S) BEFORE ANY SUCH REQUEST IS DEEMED APPROPRIATE BY THE GOVERNMENT AND ALLOWED TO PROCEED INTO THE NORMAL SHOP DRAWING PREPARATION, SUBMITTAL AND REVIEW PROCESS.
- 10. NO REQUEST FOR AN EQUIVALENT SUBSTITUTION REVIEW IS ALLOWED TO BE MADE VIA A SHOP DRAWING SUBMISSION. ANY SUCH SUBMISSION WILL NOT BE REVIEWED AND WILL BE REJECTED AS NON-CONFORMING WITH THE DESIGN INTENT AND NOTED THAT THE CONTRACTOR IS TO FOLLOW THE STANDARD BOD COMPLIANCE PROTOCOLS.
- 11. ANY UNDOCUMENTED OR UNFORESEEN IMPACTS, VARIANCES, ALTERATIONS OR ADJUSTMENTS REQUIRED TO ELEMENTS OF WORK AS A RESULT OF AN EQUIVALENCY SUBSTITUTION THAT SURFACE DURING THE CONSTRUCTION PHASE SHALL IMMEDIATELY BE MADE KNOWN TO THE GENERAL/PRIME CONTRACTOR WHO WILL IN TURN NOTIFY THE VA/COR. ALL SUCH UNDOCUMENTED OR UNFORESEEN CONDITIONS WILL BE FULLY IDENTIFIED, DOCUMENTED AND SUBMITTED TO THE VA/COR FOR REVIEW, EVALUATION AND DIRECTION(S) ON HOW TO PROCEED.
- 12. 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 AS DETERMINED BY THE GOVERNMENT.
- 13. 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 INTENT LAYOUT AND DIMENSIONAL LOGISTICS REQUIREMENTS.
- 14. ALL EQUIVALENT SUBSTITUTION INSTALLATIONS AND THEIR IMPACTS TO OTHER SOW ELEMENTS 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

#### STEP 1: BIDDING PHA

1. ALL BOD PROPOSED EQUIVALENT SUBSTITUTIONS AND THEIR ASSOCIATED IMPACTS ON OTHER SOW ELEMENTS SHALL BE FULLY IDENTIFIED AND COORDINATED WITH THE GENERAL/PRIME CONTRACTOR(S) SUCH THAT THE COST OF ALL ASSOCIATED SCOPE OF WORK IMPACTS DIRECTLY AFFECTING OTHER TRADES SHALL BE INCLUDED IN THE BASE BIDS OF ALL AFFECTED CONTRACTORS.

#### STEP 2: CONTRACTORS IDENTIFY PROPOSED EQUIVALENT SUBSTITUTION(S)

1. 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.

#### STEP 3: CONTRACTORS PREPARE DETAILED COMPARISONS

1. 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.

- 2. 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.
- 3. CONTRACTOR 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.

#### STEP 4: CONTRACTORS IDENTIFY RELATED IMPACTS

- 1. 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.
- 2. SEE THE DETAILED PROTOCOL REQUIREMENTS FOR THE EXTENT OF RESPONSIBILITIES AND DOCUMENTATION REQUIRED FOR THIS CRITICAL ITEM.

RESUBMISSIONS, APPROVALS AND ADDITIONAL PERTINENT ISSUES AND ITEMS TO BE RECORDED AND TRACKED AS REQUIRED BY THE VA/COR.

- STEP 5: CONTRACTOR'S DOCUMENTATION TO GENERAL/PRIME CONTRACTOR

  1. 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.
- 2. 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.
- 3. 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.

#### TED 6: CENEDAL /DDIME CONTRACTOR RESPONSIBLE FOR COORDINATION

- STEP 6: GENERAL/PRIME CONTRACTOR RESPONSIBLE FOR COORDINATION

  1. 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.
- 2. 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.
- 3. THE GENERAL/PRIME CONTRACTOR SHORTLY AFTER CONTRACT AWARD AND EXECUTION SHALL NOTIFY AND COORDINATE WITH THE VA/COR, ALL SUCH KNOWN EQUIVALENT SUBSTITUTION REQUESTS ALONG WITH ALL POSSIBLE IMPACTS FROM THE SPECIFIC BOD REQUIREMENTS PROVIDED IN THE DRAWINGS AND SPECIFICATIONS.
- 4. ALL SUCH IMPACTS, DEPARTURES, ALTERATIONS OR ADJUSTMENTS REQUIRED TO ELEMENTS OF WORK WILL BE FULLY IDENTIFIED, DOCUMENTED AND SUBMITTED TO THE VA/COR FOR REVIEW, EVALUATION AND DIRECTION(S) ON HOW TO PROCEED.
- 5. 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.

#### STEP 7: TRACKING LIST OF PROPOSED EQUIVALENT SUBSTITUTIONS AND IMPACTS

- 1. THE SUCCESSFUL GENERAL/PRIME CONTRACTOR SHALL PREPARE A COMPLETE MASTER LISTING, BY SPECIFICATION AND/OR DRAWING SECTIONS, OF ALL PROPOSED EQUIVALENT SUBSTITUTION
- 2. 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.
- 3. 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,

#### STEP 8: TRACKING LIST OF PROPOSED EQUIVALENT SUBSTITUTIONS AND IMPACTS

- 1. THE SUCCESSFUL GENERAL/PRIME CONTRACTOR SHALL SUBMIT TO THE VA/COR 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.
- 2. 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/COR.

#### STEP 9: VA REVIEW AND ACTION NOTIFICATION

- 1. THE VA/COR 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.
- 2. AS PART OF THE VA'S REVIEW PROCESS THE A/E WILL ALSO BE INCLUDED IN A SIMILAR FASHION TO THE SHOP DRAWING REVIEW PROCESS AND SHALL CONSULT WITH THE VA/COR AND PROVIDE A RECOMMENDATION FOR THE VA'S CONSIDERATION.
- 3. THE A/E WILL REJECT IMMEDIATELY WITHOUT REVIEWING ANY SUBMITTAL THAT IS DEEMED INCOMPLETE AND NOT IN COMPLIANCE WITH THE BOD PROTOCOLS COMPLIANCE REQUIREMENTS.
- 4. IT SHOULD BE NOTED THAT IT IS NOT THE VA'S OR THE A/E'S RESPONSIBILITY TO RESEARCH, DOCUMENT AND PROVE EQUIVALENCY, THAT IS THE REQUESTING/SUBMITTING CONTRACTOR'S RESPONSIBILITY AS PER THESE PROTOCOLS. THE A/E'S RESPONSIBILITY IS TO REVIEW AND ANALYZE THE DETAILED COMPARATIVE DOCUMENTATION AS PROVIDED AND ADVISE THE VA/COR ON WHAT WAS SUBMITTED.

#### STEP 10: VA APPROVAL ALLOWS SHOP DRAWING PROCESS TO BEGIN

1. 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.

#### STEP 11: IMPLEMENTATION OF SUBSTITUTION(S) AND IMPACT(S) 1. ONCE APPROVED BY THE VA/CO THE CONTRACTORS SHALL

1. 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.

2. 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.

ISSUE FOR BID - 01/16/2024 **Project Title Project Number Drawing Title** CONSULTANT ARCHITECT/ENGINEER OF RECORD | STAMP Office of GENERAL - CONTRACTOR & BOD 437-21-210 ISSUE FOR BID EHRM INFRASTRUCTURE Construction **Building Number** PROTOCOL NOTES **UPGRADES - TIER 2** and Facilities Approved: Project Director **Drawing Number** Management 3300 Dundee RD. FARGO VA HEALTH CARE SYSTEM Northbrook, IL 60062 **BUILDING FULLY** T: 847.952.9362 Checked GI-011 www.bancroft-ae.com **BANCROFT ARCHITECTS + ENGINEERS ISSUE FOR BID** 01-16-24 U.S. Department of Veterans Affairs **SPRINKLERED** Bancroft Project No: 22-113 01/16/2024 │ DA Revisions: Date:

- 1. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE A CONSTRUCTION PHASING AND SCHEDULE OF ACTIVITIES. REFER TO SPECIFICATION SECTION 01 01 00 AND 01 32 16.15 FOR ADDITIONAL INFORMATION/REQUIREMENTS.
- 2. THE CONTRACTOR WILL COORDINATE WITH THE VA/COR TO DEVELOP A CRITICAL PATH METHOD (CPM) SCHEDULE,

CONSTRUCTION ACTIVITY SEQUENCING AND ASSOCIATED COMPLETION DATES FOR THE COMPLETE PROJECT.

- 3. THE FARGO VA HEALTHCARE SYSTEM MUST REMAIN IN FULL OPERATION DURING CONSTRUCTION ACTIVITIES WITH MINIMAL INTERRUPTION DUE TO ALL RELATED CONSTRUCTION ACTIVITIES AND RELATED COMPONENTS OF THE PROJECT, INCLUDING MATERIAL DELIVERIES, NOISE, DUST, VIBRATION, ETC., BY CONSTRUCTION ACTIVITIES RELATED TO THIS PROJECT.
- 4. THE CONTRACTORS SCHEDULES SHOULD INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:
- A. CONSTRUCTION ACTIVITIES WHICH MAY AFFECT THE CONTINUAL OPERATIONS OF THE FARGO VA HEALTHCARE
- B. SCHEDULES FOR EXISTING SYSTEMS SHUT DOWN.
- SCHEDULES FOR CONSTRUCTION ACTIVITIES OCCURRING AFTER NORMAL BUSINESS HOURS. M-F 08:00 16:30
- D. SCHEDULE FOR LONG LEAD ITEMS.
- 5. PROVIDE TEMPORARY CONSTRUCTION FENCING/BARRIERS WITH DOORS AND FRAMES AS REQUIRED TO SEPARATE CONSTRUCTION ACTIVITIES FROM PUBLIC AREAS AND AREAS REQUIRING ACCESS DURING CONSTRUCTION. HARD BARRIERS WILL BE FLOOR TO DECK AND ONE (1) HR RATED.
- 6. IF THE VAHCS ACCESS/EGRESS ROUTES IDENTIFIED ON THE PHASING PLANS ARE REQUIRED TO BE BLOCKED
  TEMPORARILY TO ACCOMMODATE CONSTRUCTION, COORDINATE ALTERNATE ACCESS/EGRESS ROUTES WITH THE VA/COR
  AND PROVIDE TEMPORARY SIGNAGE AND TEMPORARY PROTECTIVE BARRIERS TO CREATE ALTERNATIVE ACCESS/EGRESS
  ROUTES AS REQUIRED. COORDINATE AND SCHEDULE ANY DOWNTIME FOR THESE ROUTES WITH THE VA/COR.
- 7. THE CONTRACTOR SHALL REVIEW LOCATIONS OF TEMPORARY CONSTRUCTION BARRIERS AND INFECTION CONTROL BARRIERS, CONTRACTOR SITE ACCESS AND DEBRIS AND MATERIAL DELIVERY AND DELIVERY ROUTES WITH THE VA/COR.
- 8. MAINTAIN ACCESS TO EXISTING BUILDINGS WITHIN THE LIMITS OF CONSTRUCTION.
- 9. COORDINATE SHUT DOWNS OF UTILITIES OR ANY CONSTRUCTION ACTIVITIES WHICH MAY POTENTIALLY AFFECT THE EXISTING OPERATIONS OF THE VAMC WITH THE VA/COR. SHUT DOWNS SHALL BE BE REQUESTED AT MINIMUM THREE WEEKS IN ADVANCE AND BE MADE IN WRITING. MAINTAIN UNINTERRUPTED OPERATION OF THE EXISTING FACILITIES FOR ALL EXISTING UTILITIES TIE-INS. SCHEDULE THESE EVENTS AFTER-NORMAL BUSINESS HOURS OR AS REVIEWED AND APPROVED BY THE VA/COR.
- 10. THE CONTRACTOR WILL REVIEW WITH THE VA/COR FOR THE LOCATION OF THE SAFETY SIGN AND CONSTRUCTION
- 11. ALL PERSONNEL ENTERING RENOVATION AREAS WITHIN OCCUPIED FLOORS OF THE VA MEDICAL CENTER SHALL WEAR SHOE COVERS, AND THESE MUST BE CHANGED EACH TIME THE WORKER EXITS THE RESPECTIVE WORK AREA. PROVIDE ADHESIVE WALK-OFF MATS AT ENTRY POINTS AT ALL WORK AREAS. REPLACE WALK-OFF MATS HOURLY OR WHEN THEY NO LONGER ARE ABLE TO CONTAIN DUST AND DIRT. WET MOP AND/OR VACUUM WORK AREA WITH HEPA FILTERED VACUUM BEFORE LEAVING WORK AREAS. CONTAIN CONSTRUCTION WASTE IN TIGHTLY COVERED CONTAINERS PRIOR TO TRANSPORTING. REMOVE BARRIER MATERIALS CAREFULLY TO MINIMIZE THE SPREADING OF DIRT AND DEBRIS ASSOCIATED WITH CONSTRUCTION. DO NOT REMOVE BARRIERS FROM WORK AREA UNTIL COMPLETED PROJECT IS THOROUGHLY CLEANED AND INSPECTED BY VA/COR.
- 12. CONTRACTORS STAGING AREA AND PARKING ARE IN THE NORTHEAST CORNER OF CAMPUS.
- 13. RESTORE SITE TO ORIGINAL AND/OR BETTER CONDITION UPON CONSTRUCTION COMPLETION.
- 14. WHERE EXISTING EQUIPMENT, PIPING, CONDUIT, DUCTS, ETC. ARE TO BE REMOVED, SUCH REMOVAL SHALL INCLUDE ALL ANCHORS, HANGERS, OR HARDWARE, ETC.
- 15. WHERE EXISITNG CEILINGS ARE TO BE REMOVED, SUCH REMOVAL SHALL INCLUDE ALL PLASTER, GYPSUM WALLBOARD, ACOUSTICAL TILE, ALL METAL LATH, SUPPORT CHANNELS, CEILING TEES, AND HANGER WIRE, UNLESS OTHERWISE NOTED.
- 16. NEW WORK SHALL LINE WITH AND MATCH EXISTING WORK EXCEPT WHERE OTHERWISE DIMENSIONED OR DETAILED.
- 17. WHERE THE FLOOR SURFACE IS NOT EVEN BETWEEN EXISTING ROOMS WHICH ARE BEING CONSOLIDATED INTO ONE NEW ROOM, THE FLOOR SURFACES SHALL BE MADE EVEN IN PREPARATION FOR THE NEW CONTINUOUS FLOOR FINISH AT NO ADDITIONAL COST TO THE GOV'T.
- 18. ALL EXISTING HOLES IN EXISTING FLOOR OR ATTIC SLABS WHICH ARE NOT BEING USED FOR NEW VERTICAL PIPING, DUCTS, CONDUIT, ETC., SHALL BE CLOSED WITH CONCRETE TO THE FULL DEPTH OF THE EXISTING SLAB.
- 19. ALL NEW HORIZONTAL AND VERTICAL PIPING, DUCTS AND CONDUIT REQUIRED BY THIS CONTRACT, SHALL BE RUN CONCEALED FROM VIEW (EXCEPT IN MECHANICAL EQUIPMENT ROOMS, TELEPHONE CLOSETS, SIGNAL CLOSETS, ELECTRICAL CLOSETS, AND ELECTRICAL EQUIPMENT ROOMS). PROVIDE FURRING AS NECESSARY. SUCH FURRING WHETHER AT WALLS OR CEILINGS, SHALL BE FINISHED TO MATCH NEW AND/OR EXISTING ADJACENT SURFACES. THE CONTRACTOR SHALL REFER TO ALL HVAC, ELECTRICAL AND PLUMBING DRAWINGS TO DETERMINE WHERE ANY SUCH PIPES. DUCTS OR CONDUIT OCCUR.
- 20. NEW FINISHES APPLIED PATCH TO MATCH TO EXISTING FLOORS, WALLS AND PARTITIONS. IF FINISH CANNOT BE MATCHED, ALL NEW FINISH SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE GOV'T.
- 21. WHERE EXISTING CT FINISH IS BEING REMOVED, A CONCRETE TOPPING SHALL BE APPLIED TO THE REMAINING FLOOR SURFACE TO MAKE IT SMOOTH AND EVEN IN PREPARATION FOR THE APPLICATION OF A NEW CONTINOUS FLOOR FINISH.
- 22. ALL PARTITIONS, UNLESS OTHERWISE SHOWN OR DETAILED, SHALL BE METAL STUDS WITH TYPE 'X' GYPSUM BOARD AND OF THICKNESS TO ADEQUATELY COVER PIPING, CONDUITS, ETC.

VA FORM 08 - 6231

23. ALL DIMENSIONS ARE TO THE FINISH FACE OF NEW STUD WALLS AND CENTER LINE OF NEW COLUMNS UNLESS SHOWN OTHERWISE. EXISTING WALLS, EXISTING COLUMNS AND NEW MASONRY WALLS ARE DIMENSIONED TO THE FACE OF FINISH.

- 24. ALL EXISTING PARTITIONS WITHIN THE REMODELING AREAS WHICH ARE DESIGNATED FIRE OR SMOKE RATED PARTITIONS, AS WELL AS ALL CORRIDOR PARTITIONS SHALL BE IMPROVED TO CONFORM TO THE STANDARDS FOR NEW FIRE RATED PARTITIONS AS FOLLOWS:
  - EXISTING PARTITIONS TO REMAIN SHALL BE MADE CONTINOUS FROM THE FLOOR SLAB TO THE UNDERSIDE OF THE FLOOR OR ROOF SLAB ABOVE, INCLUDING CONTINUITY THROUGH THE CONCEALED SPACE ABOVE THE SUSPENDED CEILING. ALL EDGES AND PENETRATIONS SHALL BE FIRE CAULKED CONTINUOUSLY AND SEALED TIGHTLY. PARTITIONS SHALL BE TIGHTLY FITTED AND SEALED AROUND ALL PENETRATIONS SUCH AS DUCTS, PIPES, CONDUIT AND AROUND ALL FRAMING MEMBERS SUCH AS BEAMS, JOISTS AND CONRETE RIBS.
- 25. PROVIDE A VINYL STRIP UNDER ALL DOORS WHERE NEW OR EXISTING FINISHES AND ADJACENT FLOORS ARE AT DIFFERENT LEVELS AND WHERE ADJACENT FLOOR FINISHES ARE OF DIFFERENT MATERIALS UNLESS OTHERWISE
- DETAILED.

  26. UNLESS OTHERWISE SHOWN ON THE REFLECTED CEILING PLANS, ALL ACOUSTICAL CEILING TILE GRIDS SHALL BE
- CENTERED IN EACH ROOM WITH EITHER A TILE OR GRID AT THE CENTER.

  27. UNLESS OTHERWISE DETAILED, WHERE EXISTING WALLS OR PARTITIONS ARE REMOVED AND A DIFFERENCE IN CEILING HEIGHTS OCCURS IN ONE ROOM OR AREA, THE SPACE BETWEEN THE CEILING SHALL BE SQUARED OFF HORIZONTALLY AND VERTICALLY WITH FURRING CHANNELS AND FINISHED WITH THE MATERIALS AS CALLED FOR BY THE INDICATED ROOM FINISH.
- 28. EXISTING DOORS, WHICH SWING INTO ROOM SWHERE NEW FLOOR FINISH IS ABOVE ADJACENT FLOORS, SHALL BE CUT OFF NO MORE THAN \(\frac{3}{4}\)" GAP AT BOTTOM TO CLEAR NEW FINISHED FLOOR.
- 29. WORK AT THE DISCRETION OF THE VA MAY BE SHUT DOWN AND RESCHEDULED DUE TO CRITICAL AREAS OR SPECIAL NEEDS OF PATIENTS AND STAFF AT NO ADDITIONAL COST TO THE GOVERNMENT.
- 30. CONTRACTOR TO VERIFY ALL EXISTING SITE CONDITIONS.
  31. CONTRACTOR TO PROVIDE PROTECTION AGAINST DAMAGE INCLUDING WATER PENETRATION, TO EXISTING

STRUCTURE AND FINISHES WHERE DEMOLITION AND NEW CONSTRUCTION OCCURS.

- ALL EXISTING EQUIPMENT, SIGNAGE AND ART SHALL BE SALVAGED FOR REUSE TO BE REINSTALLED BY
  CONTRACTOR AT SAME LOCATIONS IF POSSIBLE. UTILIZE ALTERNATE LOCATIONS AT OWNER'S DISCRETION.
   ALL TEMPORARY CONSTRUCTION PARTITIONS SHALL BE ONE(1) HOUR RATED. DOORS SHALL HAVE CLOSERS AND
- LOCKING HARDWARE.

  34. ALL WALL OR FLOOR PENETRATIONS (NEW OR ABANDONED EXISTING) UNDER THIS PROJECT SHALL BE SEALED, FILLED OR PROTECTED IMMEDIATELY TO MAINTAIN ALL SMOKE AND FIRE PASSAGE SITUATIONS. USE APPROVED FIRE/SMOKE STOP MATERIAL OR EQUIVALENT CONSTRUCTION.
- 35. WHETHER EXISTING OR NEW, NO CABLES, DUCTS, CONDUIT, PIPES, INSULATION, ETC. SHALL BE ALLOWED TO TOUCH OR REST ON SPRINKLER PIPING. ABOVE-CEILING INSPECTIONS WILL BE CONDUCTED AND ANY VIOLATIONS WILL REQUIRE CORRECTION UNDER THIS CONTRACT AT NO ADDITIONAL COST TO THE GOVERNMENT.
- 36. DO NOT USE STEEL DECK FOR HANGING SUPPORTS OF BUILDING COMPONENTS INCLUDING SUSPENDED CEILINGS, ELECTRICAL LIGHT FIZTURES, PLUMBING, HEATING, OR AIR CONDITIONING PIPES OR DUCTS OR ELECTRICAL CONDUITS.
- 37. PROVIDE ONE (1) SUPERINTENDENT PER SHIFT.
- 38. FOR ANY CHASE BUILT THE CONTRACTOR SHALL RELOCATE DATA, POWER, EQUIPMENT, ETC. FROM THE PREVIOUS LOCATION ONTO THE NEW FACE OF THE CHASE.

#### 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. EACH CONTRACTOR SHALL DOCUMENT EXISTING CONDITIONS PRIOR TO BEGINNING WORK AND PROVIDE DOCUMENTATION OF ANY PRE-EXISTING DAMAGE.
- 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.
- 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 BASES OF DESIGN REQUIREMENTS.
- 5. 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.
- 6. 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.
- 7. 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 TRADESPEOPLE, STAFF, RESIDENTS/PATIENTS, VISITORS AND SERVICE
  PROVIDERS
- 8. 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.
- 9. 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 AND SHALL MAINTAIN ADEQUATE AND SAFE EMERGENCY MEANS OF EGRESS FROM ALL DOORS.
- 10. 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.
- 11. 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.
- 12. 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.
- 13. 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.
- 14. 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.
- 15. 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.

- 16. 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.
- 17. 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.
- 18. 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.
- 19. 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.
- 20. 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.
- 21. 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, WAINSCOT 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.
- 22. 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.
- 23. 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.
- 24. 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.
- 25. 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.
- 26. 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.
- 27. ALL CUTTING, CORING AND DRILLING OF EXISTING CONCRETE AND MASONRY CONSTRUCTION SHALL NOT DAMAGE EXISTING REINFORCING STEEL, PIPING, CONDUITS OR OTHER CONCEALED CONSTRUCTION WITHIN. ALL CUTTING TO BE PERFORMED SHALL BE WET CUTTING AND CONTRACTOR TO MANAGE WATER DISCHARGE ON BOTH SIDES OF CUT TO NOT DAMAGE EXISTING CONDITIONS AND PROPERTY. 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/COR APPROVAL BEFORE PROCEEDING WITH ANY SUCH REQUIRED PENETRATIONS WORK.
- 28. 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.
- 29. WORK THAT CREATES EXCESSIVE NOISE OR VIBRATION IS REQUIRED TO BE CONDUCTED OUTSIDE OF PATIENT CARE HOURS OF 8:00 AM TO 4:00 PM AND WITH THE APPROVAL OF VA/COR.
- 30. VA IDENTIFICATION TAGS ON EXISTING MATERIALS MUST BE IDENTIFIED AND THOSE OBJECTS RETURNED TO THE VA FOR DECOMMISSIONING. THESE OBJECTS INCLUDE, BUT ARE NOT LIMITED TO, FIRE EXTINGUISHERS, EXIT SIGNS, DOOR FRAMES, OR EQUIPMENT.

#### 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.
- 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 APPLICABLE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HAZARD ACT, ALONG WITH ALL OTHER APPLICABLE GOVERNING REGULATIONS AND VA REQUIREMENTS.
- 3. 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.
- 4. 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/COR. THE SUBMISSION OF A BID FOR ANY PORTION OF WORK INCLUDED IN THIS CONTRACT SHALL ALSO INDICATE ACKNOWLEDGMENT AND ACCEPTANCE OF THESE REQUIREMENTS.
- 5. THE GENERAL CONTRACTORS SUPERINTENDENT MUST BE OSHA 30 TRAINED AND CERTIFIED. THEY MUST BE ON THE JOB SITE AT ALL TIMES WHEN WORK IS OCCURRING. ALL OTHER PERSONNEL MUST BE OSHA 10 TRAINED AND CERTIFIED.
- 6. GENERAL CONTRACTOR SUPER TO PERFORM JOBSITE INSPECTION PRIOR TO LEAVING THE WORK AREA AT THE END OF SHIFT.

#### FIRE AND SAFETY NOTES

- MAINTAINING INTEGRITY OF FIRE AND SAFETY SYSTEMS IN PLACE IN MEDICAL CENTER AND OF ITS OUT BUILDINGS DURING CONSTRUCTION SHALL BE RESPONSIBILITY OF GENERAL CONTRACTOR.
- 2. IN ADDITION TO VA MEDICAL CENTER POLICIES, NATIONAL, STATE, AND LOCAL CODES AND ORDINANCES SHALL APPLY TO OF THEIR CONTRACTORS AND SUB-CONTRACTORS.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING PERTINENT OSHA SAFETY REQUIREMENTS.
- 4. REVIEW FARGO LOCKOUT-TAGOUT AND CONFINED SPACE ENTRY POLICIES. PROVIDE DOCUMENT WITH APPLICABLE POLICIES AND WITH THOSE REQUIRED BY OSHA. THESE POLICIES SHALL BE SUBMITTED FOR APPROVAL BY VA SAFETY OFFICER/MANAGER.
- 5. ALL PENETRATIONS IN 1HR RATED PARTITIONS SHALL RECEIVE RE-ENTERABLE FIRE-STOP ASSEMBLIES. SEE SPECIFICATION SECTION 07 84 00 FOR REQUIREMENTS.
- 6. CONSTRUCT TEMPORARY CONSTRUCTION PARTITIONS OF A NON-COMBUSTIBLE PANEL SYSTEM WHICH PROVIDE A SMOKE TIGHT SEPARATION BETWEEN CONSTRUCTION AREAS AND OTHER OCCUPIED AREAS. MAINTAIN INTEGRITY OF ENCLOSURE DURING CONSTRUCTION. THE PANEL SYSTEM BASIS OF DESIGN IS "EDGE GUARD" OR VAHCS APPROVED
- 7. THE CONTRACTOR SHALL COORDINATE ALL WORK AND PLANNED IMPAIRMENTS TO THE FIRE ALARM AND FIRE SUPPRESSION SYSTEMS THROUGH THE VA FACILITY MANAGEMENT. FIRE ALARM COVERAGE AND AUTOMATIC SPRINKLER PROTECTION SHALL REMAIN IN-SERVICE OUTSIDE OF THE AREAS OF WORK UNLESS SPECIFICALLY APPROVED BY THE VA FACILITY MANAGEMENT. SMOKE DETECTORS, BOTH ACTIVE AND INACTIVE, SUBJECT TO DUST CONDITIONS SHALL BE COVERED WITH FIRE ALARM MANUFACTURER DUST COVERS.
- 8. FIRE A;ARMS SHALL BE SHUT OFF WHEN AN ACTIVITY WILL PRODUCE DUST OR HEAT. THE VA WILL SHUT OFF FIRE ALARMS UPON NOTIFICATION. THE CONTRACTOR SHALL PROVIDE A FIRST WATCH THROUGHOUT THE SHUT OFF PERIOD.
- 9. DAILY ACCUMULATIONS OF TRASH, COMBUSTIBLE MATERIALS, PACKAGING, AND DEBRIS SHALL BE REMOVED FROM CONSTRUCTION AREA ON A DAILY BASIS. FLAMMABLE MATERIALS MAY BE STORED ON SITE IN AN APPROVED AND APPROPRIATELY MARKED FLAMMABLE MATERIALS CABINET.

10. THIS MEDICAL CENTER CAMPUS IS A SMOKE FREE ZONE. USE OF SMOKING AND NICOTINE MATERIALS IS PROHIBITED.

- INCLUDING INSIDE CARS.

  11. IF A FIRE WATCH IS NEEDED IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PERFORM THE
- ONE-HOUR WALKING INSPECTIONS WHILE THE FIRE WATCH IS IN EFFECT.
- HCS IS CHARGED FOR A VISIT BY THE FIRE DEPARTMENT CAUSED BY A FALSE ALARM.

12. ALL FALSE ALARMS OF THE FIRE ALARM SYSTEM WILL BE PAID FOR BY THE GENERAL CONTRACTOR IF THE FARGO VA

- 13. ALL EXISTING PARTITIONS TO REMAIN SHALL BE VERIFIED BY THE GENERAL CONTRACTOR TO MEET UL 1 HR RATINGS.
   14. ALL EXISTING PENETRATIONS IN EXISTING PARTITIONS THAT ARE NOT FIRESTOPPED SHALL RECEIVE FIRESTOPPING.
- 5. REMOVING GREATER THAN 10% OF THE CEILING IMPAIRS THE SPRINKLER SYSTEM. IF IMPAIRMENT IS GREATER THAN 4 HOURS IN A 24 HOUR PERIOD A FIRE WATCH MUST BE ESTABLISHED.

SEE SPECIFICATION SECTION 07 84 00 FOR FIRESTOPPING REQUIREMENTS.

#### SPECIAL DEMOLITION NOTES

- 1. GENERAL CONTRACTOR SHALL ASSUME INFECTION CONTROL (ICRA) PROTECTION IS REQUIRED FOR ALL ASPECTS OF THE SCOPE OF WORK REQUIRING DEMOLITION AND/OR TEMPORARY REMOVALS (I.E. CEILINGS)
- 2. GENERAL CONTRACTOR SHALL ASSUME AS PART OF SCOPE OF WORK THAT THERE WILL BE FIVE HUNDRED (500)
- SQUARE FEET OF CONCRETE FLOOR SLAB PATCHING AS PART OF DEMOLITION.

  3. GENERAL CONTRACTOR SHALL ASSUME AS PART OF SCOPE OF WORK THAT THERE WILL BE SEVEN HUNDRED (700) SQUARE FEET OF HARD PLASTER CEILING THAT WILL BE REQUIRED TO BE DEMOLISHED. THIS INCLUDES PLASTER

CEILING CONCEALED ABOVE ACOUSTICAL TILE CEILING. ANY EXISTING SPRINKLERS IN PLASTER CEILINGS SHALL BE

REPLACED WITH NEW UPRIGHT SPRINKLERS AS PART OF DEMOLITION.

4. AT LOCATION OF NEW DATA CENTER A HARD CEILING FROM THE OLD THEATER SPACE EXISTS ABOVE THE NEW LAY IN CEILING. REMOVAL OF THIS SECONDARY CEILING IS PART OF THE SCOPE OF WORK.

ISSUE FOR BID - 01/16/2024 **Project Title Drawing Title Project Number** CONSULTANT ARCHITECT/ENGINEER OF RECORD | STAMP Office of GENERAL - PROTECTION PROTOCOLS 437-21-210 ISSUE FOR BID EHRM INFRASTRUCTURE Construction **Building Number** AND MISCELLANEOUS NOTES UPGRADES - TIER 2 and Facilities Approved: Project Director **Drawing Number** Management 3300 Dundee RD. FARGO VA HEALTH CARE SYSTEM Northbrook, IL 60062 **BUILDING FULLY** T: 847.952.9362 Checked Drawn GI-012 www.bancroft-ae.com BANCROFT ARCHITECTS + ENGINEERS **ISSUE FOR BID** 01-16-24 U.S. Department of Veterans Affairs **SPRINKLERED** Bancroft Project No: 22-113 01/16/2024 DA JM Revisions:

#### CONTRACTOR IS REQUIRED TO MAINTAIN ALL RATED PARTITIONS. REFER TO RATED PARTITION NOTES BELOW. EXIT SIGN PATH OF EGRESS FIRE EXTINGUISHER FEC CABINET RATED PARTITION NOTES SMOKE ZONE BARRIERS REQUIRED TO BE OF 1 HOUR FIRE RESISTANCE RATING. (NFPA 101, WALL: WALL EXTENDS FROM FLOOR TO DECK ABOVE. DUCTS: ALL DUCT PENETRATIONS ARE PROTECTED BY SMOKE DAMPERS. SMOKE DAMPERS ARE NOT REQUIRED WHERE ADJACENT SMOKE COMPARTMENTS ARE PROTECTED BY QUICK RESPONSE SPRINKLERS THROUGHOUT EACH COMPARTMENT. PENETRATIONS: ALL PENETRATIONS ARE TO BE SEALED WITH LISTED FIRESTOP MATERIALS FOR PROTECTING 1-HOUR FIRE AND SMOKE WALL ASSEMBLIES. PENETRATIONS ARE TO BE FILLED ON BOTH SIDES OF THE DOORS: ALL DOORS FOR SMOKE BARRIERS REQUIRE THE FOLLOWING: 1. LABELED FRAME 2. 20 MINUTE OR SOLID WOOD CORE (NFPA 101 18.3.7.6) 3. MAXIMUM 1296 SQ. IN. WINDOW (NFPA 80 4.4.4) 4. POSITIVE LATCHING REQUIRED 5. SELF CLOSING OR AUTOMATIC CLOSING (NFPA 101 18.3.7.8) 6. MAXIMUM 1/8" GAP (NFPA 101 18.3.7.6.) 7. MAXIMUM 1" UNDERCUT (NFPA 101 19.3.6.3.4) 8. MAXIMUM 48" PROTECTIVE PLATE (NFPA 101 18.3.7.6) 9. SWING IN DIRECTION OPPOSITE OF EACH OTHER (NFPA 101 10. SMOKE DOOR ASSEMBLIES SHALL BE TESTED AT LEAST ANNUALLY (NFPA 105 5.2.1.1) I-HOUR FIRE BARRIEF THIS APPLIES TO 1-HOUR FIRE RATED OCCUPANCY SEPARATIONS, HAZARDOUS ROOM ENCLOSURES AND STAIRWELLS 3 STORIES OR LESS. WALL: WALL EXTENDS FROM FLOOR TO DECK ABOVE STEEL DUCT PENETRATIONS NOT REQUIRED TO BE PENETRATIONS: ALL PENETRATIONS ARE SEALED WITH LISTED FIRESTOF MATERIALS FOR PROTECTING 1-HOUR WALL ASSEMBLIES. PENETRATIONS ARE REQUIRED TO BE FILLED ON BOTH SIDES OF THE PENETRATION. DOORS\*: ALL DOORS REQUIRE THE FOLLOWING: 1. LABELED FRAMES (NFPA 80 4.2.1) 2. LABELED 3/4 OR 1-HOUR DOOR (NFPA 80 4.3.1)\* 3. MAXIMUM 100 SQ. IN. WINDOW (NFPA 80 4.4.5) 4. POSITIVE LATCHING (NFPA 80 6.4.1.4) 5. SELF CLOSING OR AUTOMATIC CLOSING (NFPA 80 6.4.1) 6. COORDINATING DEVICES REQUIRED (NFPA 80 6.4.1.2.1) 7. MAXIMUM 1/8" GAP (NFPA 80 6.3.1.7.3) 8. MAXIMUM 3/4" UNDERCUT (NFPA 80 4.8.4.1) 9. MAXIMUM 16" PROTECTIVE PLATE (NFPA 80 6.4.5.1) 10. SWING IN PRIMARY DIRECTION OF TRAVEL (NFPA 101 11. PERIODIC INSPECTION AND TESTING SHALL BE PERFORMED AT AT LEAST ANNUALLY (NFPA 80 5.2.4.1) 1-HOUR DOORS ARE REQUIRED IN STAIRWELLS THAT ARE 3 STORIES OR 2-HOUR FIRE BARRIER THIS APPLIES TO OCCUPANCY SEPARATION WALLS, HORIZONTAL EXITS, AND STAIRWELLS OF 4 OR MORE STORIES. WALL: WALL EXTENDS FROM FLOOR TO DECK ABOVE. DUCTS: ALL DUCT PENETRATIONS ARE PROTECTED BY FIRE DAMPERS. PENETRATIONS: ALL PENETRATIONS ARE SEALED WITH LISTED FIRESTOP MATERIALS FOR PROTECTING 2-HOUR WALL ASSEMBLIES. PENETRATIONS ARE REQUIRED TO BE FILLED ON BOTH SIDES OF THE PENETRATIONS. DOORS: ALL DOORS REQUIRE THE FOLLOWING: 1. LABELED FRAMES (NFPA 80 4.2.1) 2. LABELED 1 1/2 HOUR DOOR (NFPA 80 4.3.1) 3. MAXIMUM 100 SQ. IN. WINDOW (NFPA 80 4.4.5) 4. POSITIVE LATCHING (NFPA 80 6.4.1.4) 5. SELF CLOSING OR AUTOMATIC CLOSING (NFPA 80 6.4.1) 6. COORDINATING DEVICES REQUIRED (NFPA 80 6.4.1.2.1) 7. MAXIMUM 1/8" GAP (NFPA 80 6.3.1.7.3) 8. MAXIMUM 3/4" UNDERCUT (NFPA 80 4.8.4.1) 9. MAXIMUM 16" PROTECTIVE PLATE (NFPA 80 6.4.5.1) 10. SWING IN PRIMARY DIRECTION OF TRAVEL (NFPA 101 11. PERIODIC INSPECTION AND TESTING SHALL BE PERFORMED AT AT EAST ANNUALLY (NFPA 80 5.2.4.1)

LIFE SAFETY PLAN LEGEND

#### GENERAL PLAN DEMOLITION NOTES REVIEW THE DEMOLITION DRAWING IN CONJUNCTION WITH CORRESPONDING FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR FULL SCOPE OF DEMOLITION WORK. REFER TO SHEETS GI-012 FOR GENERAL DEMOLITION NOTES. REFER TO REFLECTED CEILING DEMOLITION PLAN FOR DEMOLITION WORK AT THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE DEMOLITION AND REMOVAL OF ALL EXISTING WALLS, CEILINGS, FLOORS, ELECTRICAL, TELEPHONE AND PLUMBING CONSTRUCTION AS WELL AS ALL MATÉRIALS. 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 BELOW. SOME ADDITIONAL ITEMS THAT MAY NOT BE SPECIFICALLY SHOWN ON THE DEMOLITION PLAN THAT ARE A PART OF THE DEMOLITION WORK, BUT NOT LIMITED TO, ARE CASEWORK, SHELVING, DOOR HARDWARE, MISC. HARDWARE, SIGNAGE, FLOORING, WALL BASE, WOOD GROUNDS, WALL COVERING MATERIALS, REMAINING MASTIC AND SEALANTS, EXPOSED ANCHORS AND FASTENERS, FRAMING MATERIALS, CHAIR RAILS, BRACKETS, HOOKS, VERIFY EXISTING CONDITIONS AND PROMPTLY REPORT ANY DRAWING DISCREPANCIES TO THE COR AND ARCHITECT. ALL CONSTRUCTION TO REMAIN THAT IS AFFECTED BY DEMOLITION SHALL BE PATCHED, PLASTERED AND BE PROPERLY MEMBERED AND ALIGNED SO AS TO LEAVE NO EVIDENCE OF PATCHING OR REPAIR. DURING THE COURSE OF REMOVAL OF EXISTING FINISHES FROM ITEMS INDICATED TO REMAIN (FLOORS, WALLS, ETC.), THE SUBSTRATE BECOMES DAMAGED BEYOND REPAIR, REPLACE DAMAGE SECTION TO THE POINT WHERE NEW FINISHES CAN BE APPLIED WITHOUT DETECTION OF DAMAGED AREAS. WHERE WALLS HAVE BEEN REMOVED, FILL VOID IN FLOOR WITH CONCRETE FILL AS REQUIRED PRIOR TO PATCHING AND LEVELING FOR NEW FLOOR FINISHES. PLAN DEMOLITION LEGEND EXISTING CONSTRUCTION TO REMAIN EXISTING PARTITION TO BE REMOVED IN ITS ENTIRETY, INCLUDING -----WALL SWITCHES. OUTLETS. THERMOSTATS. ETC. PATCH ABUTTING WALLS, FLOORS AND CEILINGS 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.

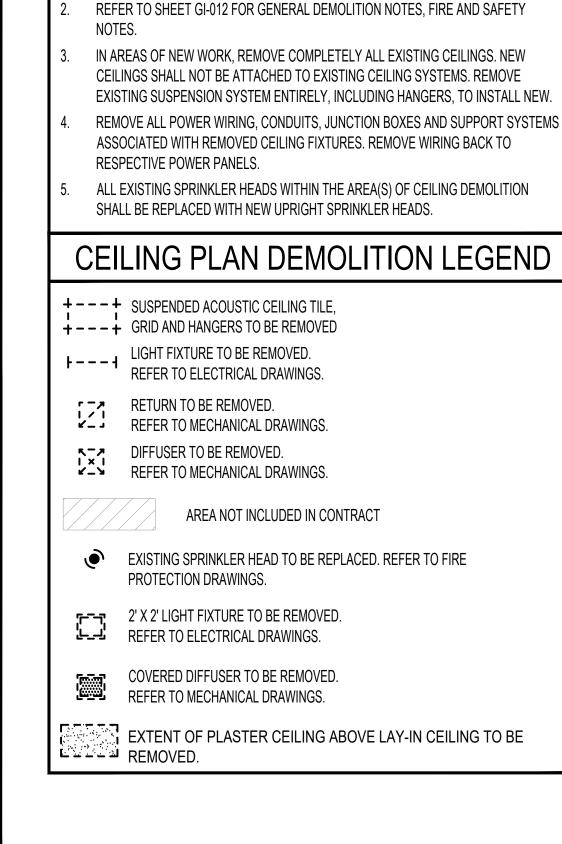
EXISTING DOOR, HARDWARE AND FRAME TO BE REMOVED UNLESS

EXISTING DOOR TO REMAIN

+ + + + + + +

EXISTING FLOOR FINISH TO BE REMOVED.

AREA NOT INCLUDED IN CONTRACT

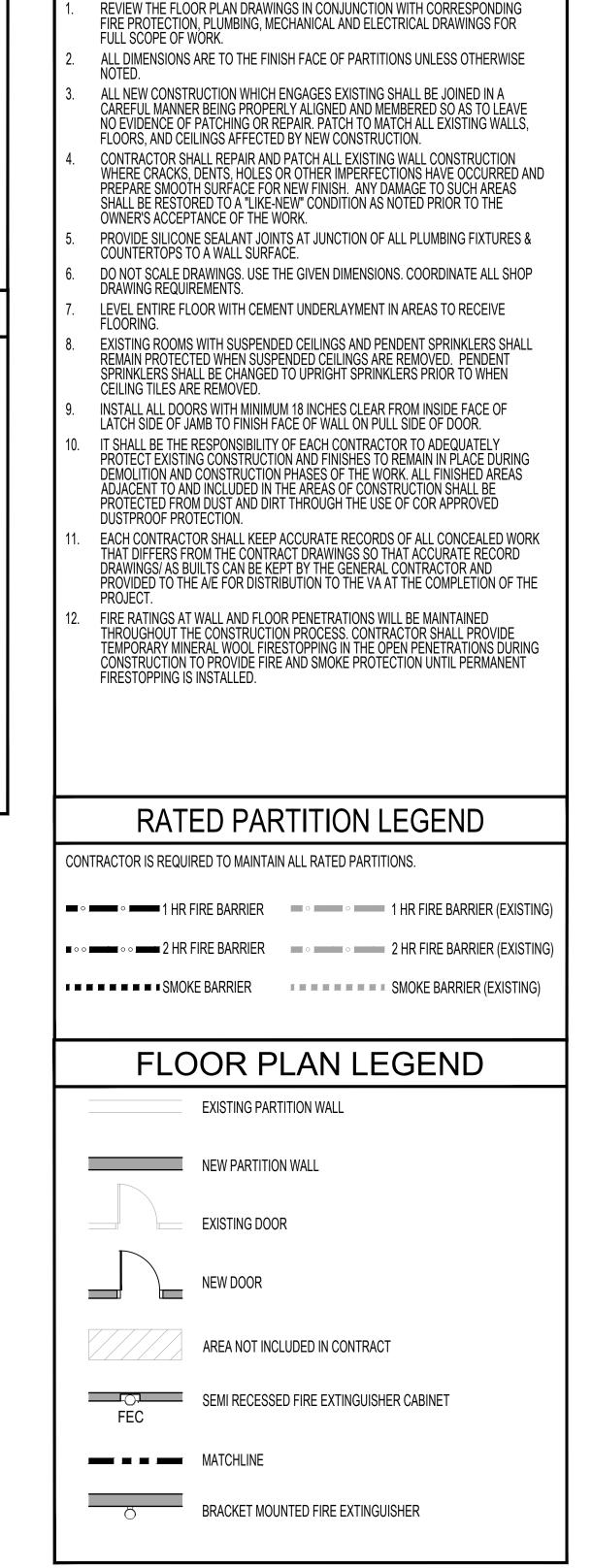


GENERAL RCP DEMOLITION NOTES

PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR FULL

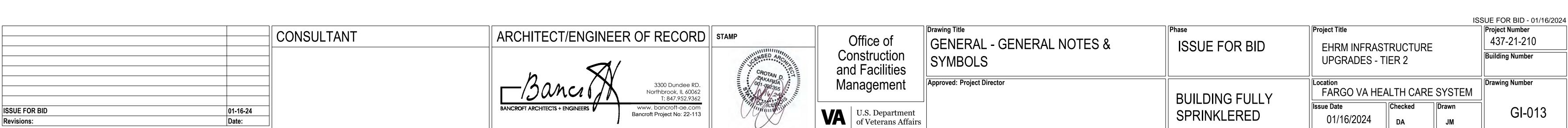
SCOPE OF DEMOLITION WORK.

REVIEW THE DEMOLITION DRAWING IN CONJUNCTION WITH CORRESPONDING FIRE



GENERAL FLOOR PLAN NOTES

**GENERAL RCP NOTES** REVIEW THE REFLECTED CEILING PLAN DRAWINGS IN CONJUNCTION WITH CORRESPONDING FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR FULL SCOPE OF WORK. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL CEILING ACCESS POINTS WHICH MAY BE REQUIRED AT AREAS FOR MECHANICAL AND ELECTRICAL SERVICE WORK. REFLECTED CEILING PLAN LEGEND 2X2 SUSPENDED ACOUSTIC CEILING TILE 2' X 4' LIGHT FIXTURE PENDANT LIGHT FIXTURE REFER TO ELECTRICAL DRAWINGS. REFER TO ELECTRICAL DRAWINGS. RETURN REGISTER 4' SURFACE MOUNTED REFER TO MECHANICAL DRAWINGS. ——'<sup>」</sup> Light fixture. Refer to ELECTRICAL DRAWINGS. SUPPLY DIFFUSER. REFER TO MECHANICAL DRAWINGS. AREA NOT INCLUDED IN GYPSUM BOARD CONTRACT CEILING SYSTEM EXISTING SPRINKLER HEAD TO BE REPLACED. REFER TO FIRE PROTECTION DRAWINGS.



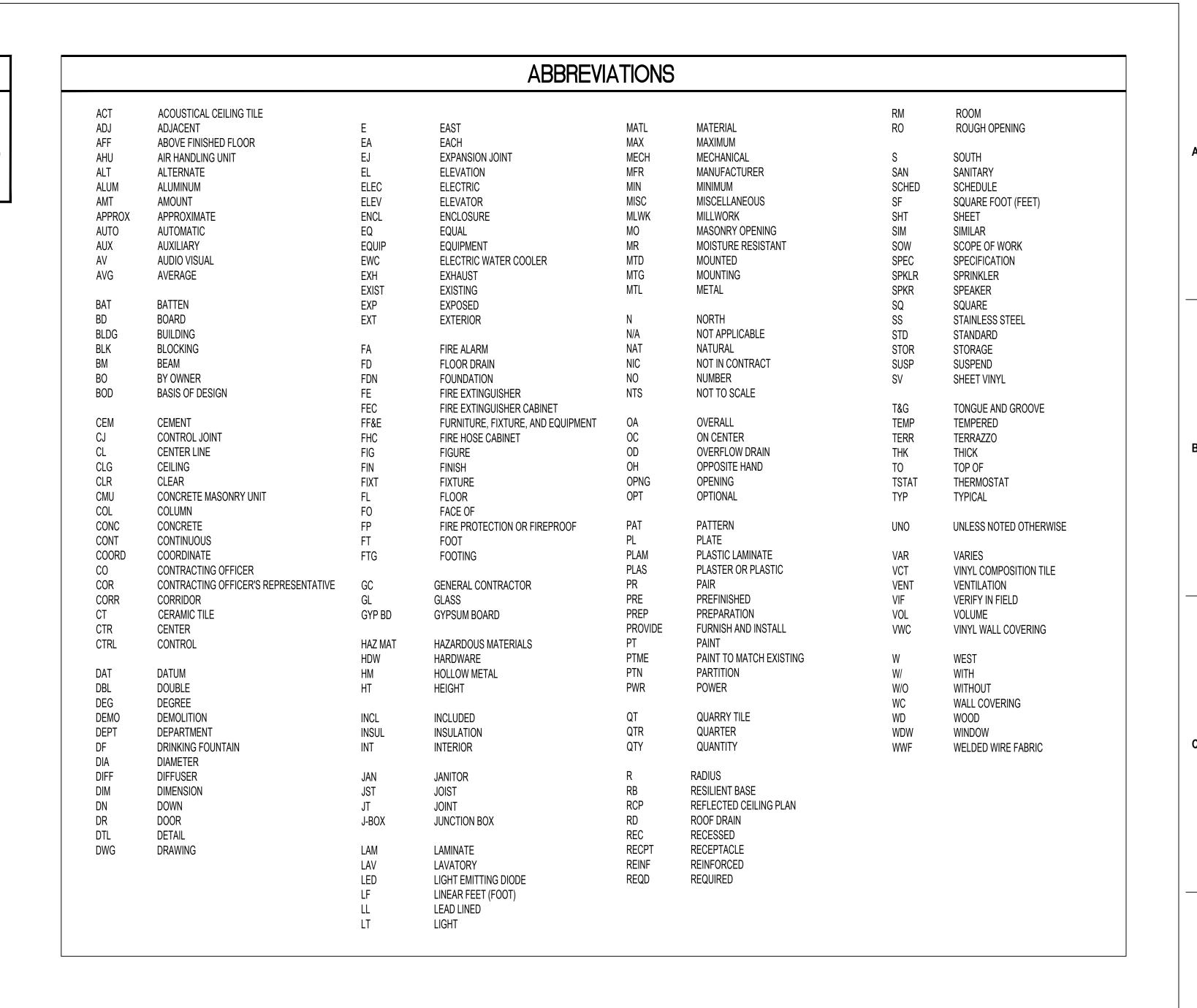
# MOUNTING DIMENSIONS NOTES: 1. MOUNTING DIMENSIONS SHOW ACCESSIBLE AND NON-ACCESSIBLE CONDITIONS. WHEN ONLY ONE OPTION IS SHOWN - ALL ITEMS IN PROJECT SHALL BE ACCESSIBLE. WHEN ITEMS CAN BE ACCESSIBLE OR NON ACCESSIBLE DRAWINGS SHALL INDICATE LOCATION OF ACCESSIBLE ITEMS BY THIS SYMBOL. 2. COORDINATE ITEMS SHOWN ON THIS DRAWING WITH PLANS AND SPECIFICATIONS FOR ACTUAL ITEMS USED ON THIS PROJECT. 3. WAT IN THE PROJECT SHALL BE ACCESSIBLE OR THIS SHOWN ON THIS DRAWING WITH PLANS AND SPECIFICATIONS FOR ACTUAL ITEMS USED ON THIS PROJECT. 4. WAT IN THE PROJECT SHALL BE ACCESSIBLE OR THIS SYMBOL. 5. COUNTER OR THIS SHOWN ON THIS DRAWING WITH PLANS AND SPECIFICATIONS FOR ACTUAL ITEMS USED ON THIS PROJECT. 5. COUNTER OR THIS SYMBOL. 6. COUNTER OR TH

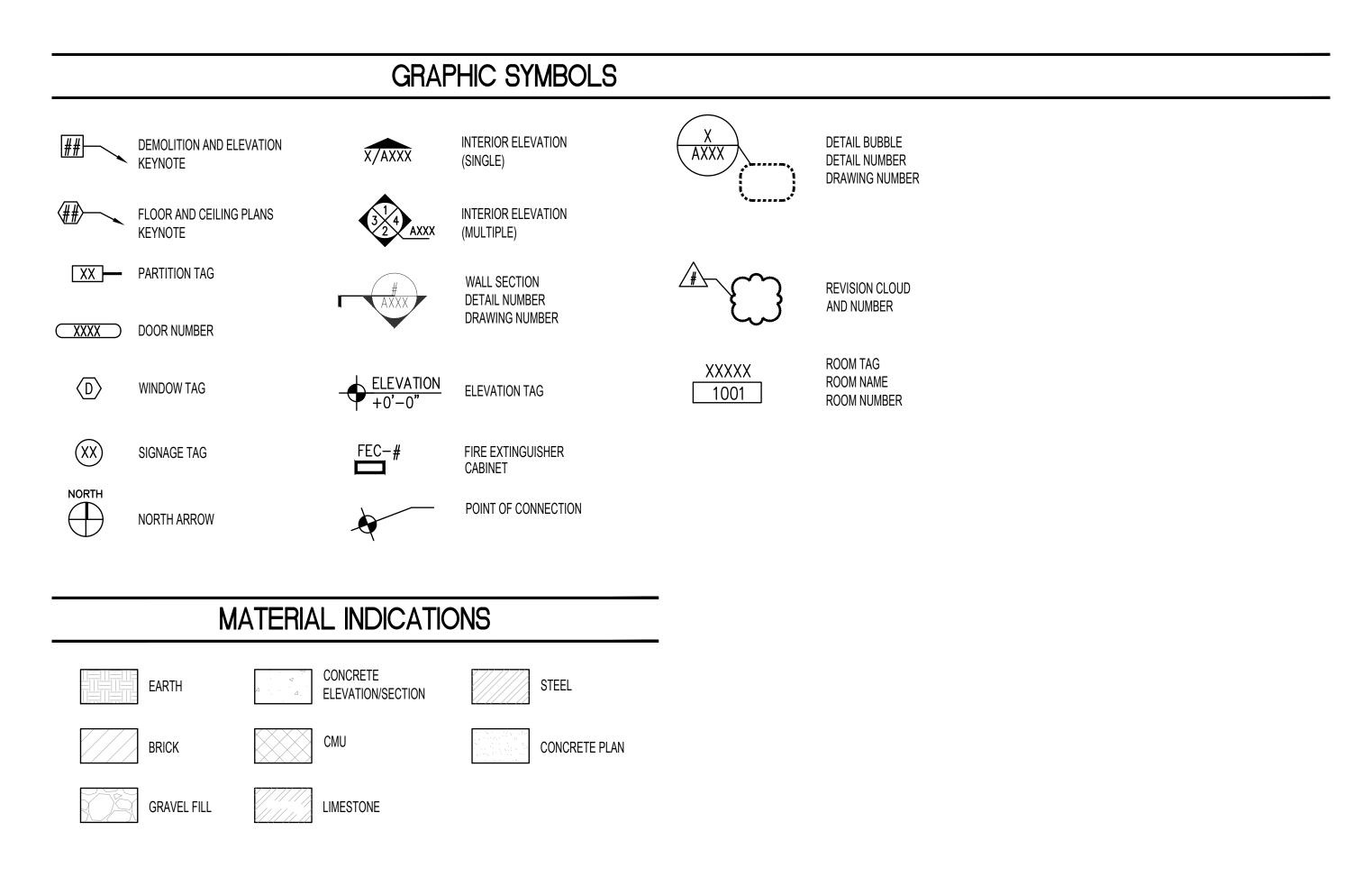
TO B/ OF PER NFI

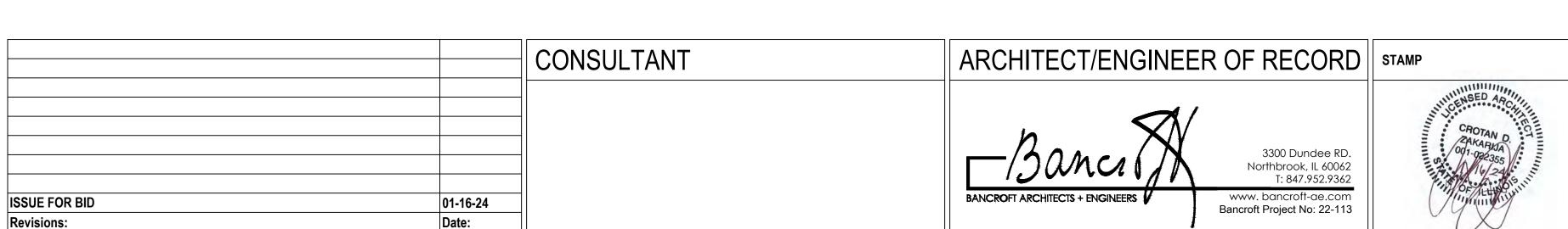
VA FORM 08 - 6231

<u>\</u>

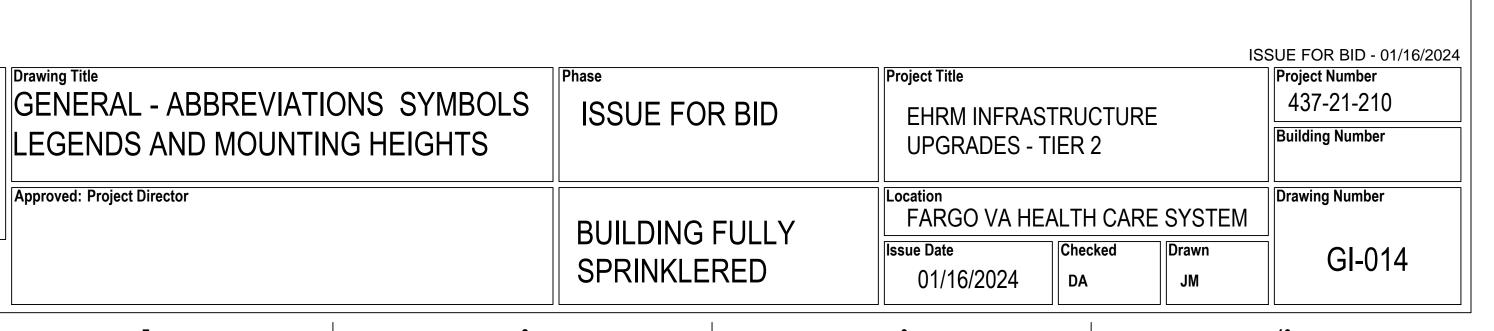
# RATED PARTITION LEGEND CONTRACTOR IS REQUIRED TO MAINTAIN ALL RATED PARTITIONS. 1 HR FIRE BARRIER 1 HR FIRE BARRIER (EXISTING) WHICH SHAPE IN THE BARRIER (EXISTING) SMOKE BARRIER (EXISTING)

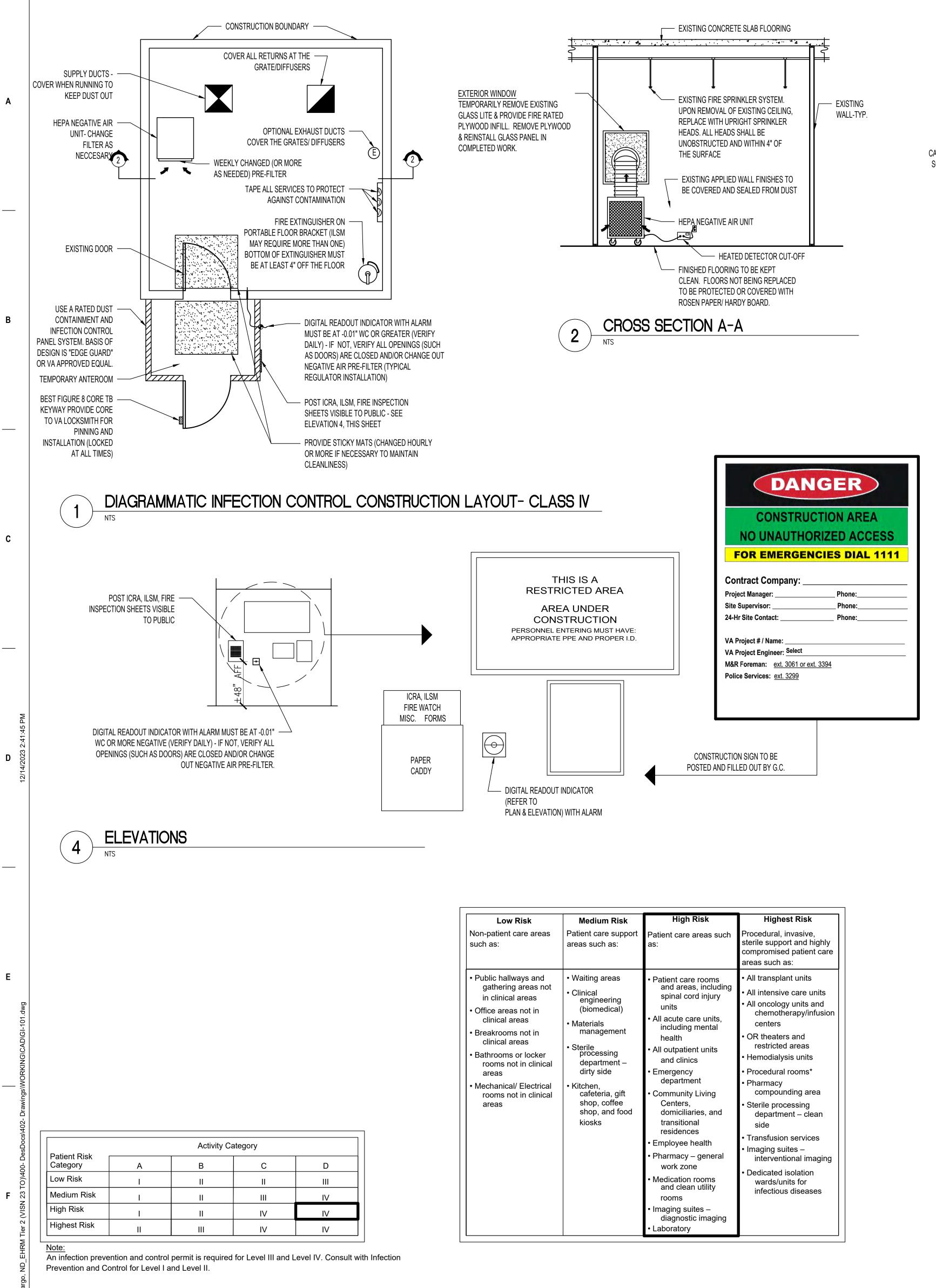












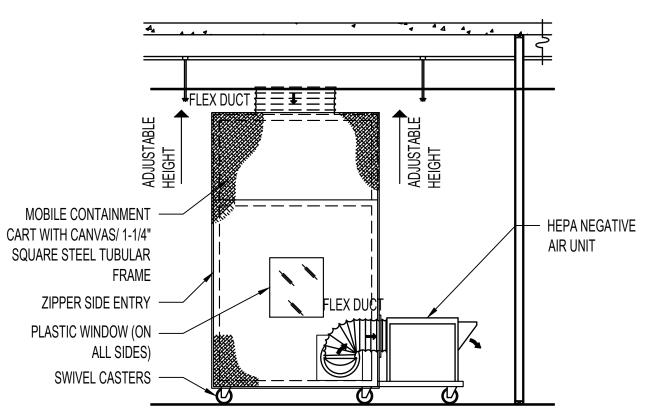
CONSULTANT

01-16-24

**ISSUE FOR BID** 

Revisions:

VA FORM 08 - 6231



ARCHITECT/ENGINEER OF RECORD | STAMP

BANCROFT ARCHITECTS + ENGINEERS

3300 Dundee RD. Northbrook, IL 60062 T: 847.952.9362

www.bancroft-ae.com

Bancroft Project No: 22-113

#### MOBILE CONTAINMENT CART

NOTE: MOBILE CONTAINMENT CART OUTSIDE OF THE SCOPE OF WORK AREAS SHALL BE APPROVED BY THE VA COR PRIOR TO USE. NOTE: CONTRACTOR SHALL PROCURE, UTILIZE AND TURN OVER MOBILE CONTAINMENT CART TO THE FARGO VAHCS.

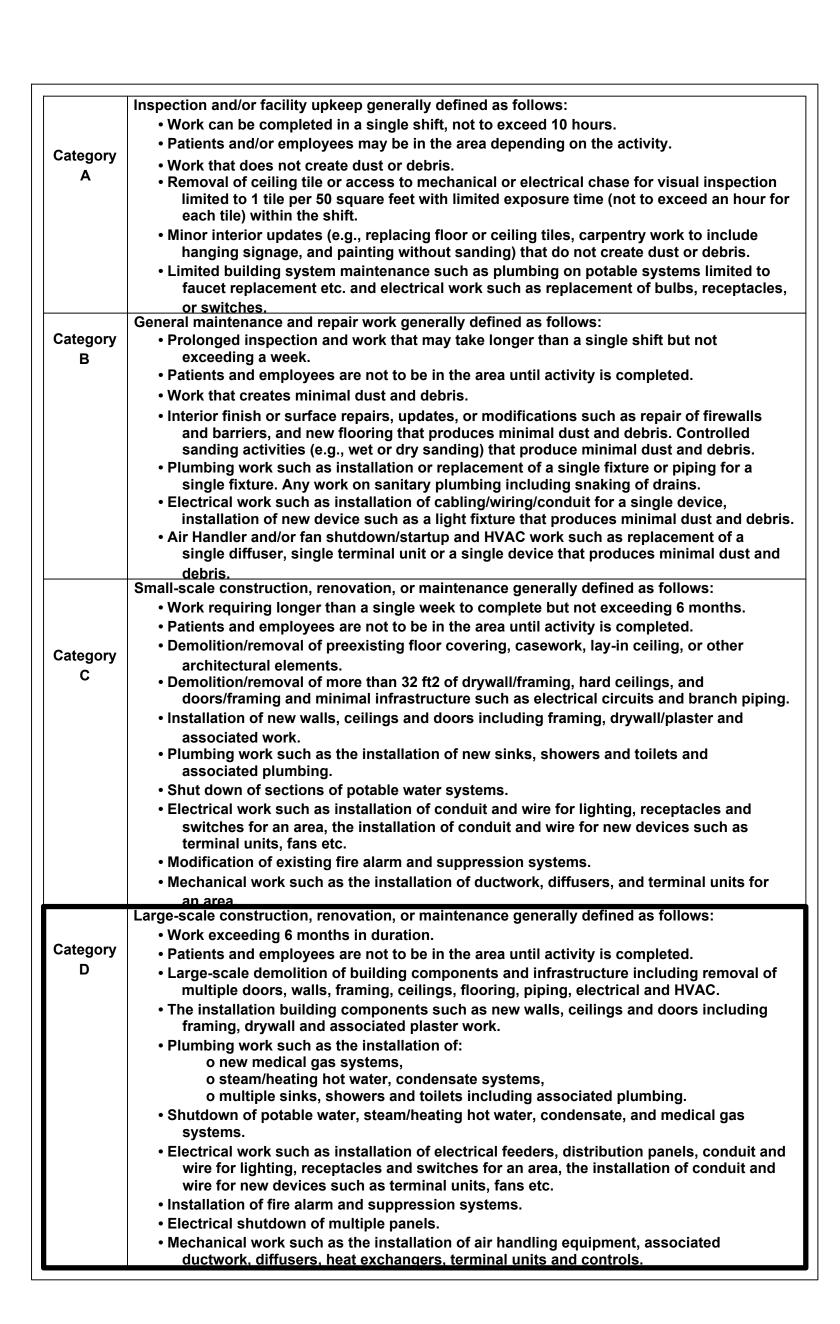
#### ADDITIONAL REQUIREMENTS

- SUBMIT EMERGENCY PROCEDURES TO BE POSTED. POST PCRA AND APPROPRIATE CONSTRUCTION SIGNAGE FOR LIMITED ACCESS AND PROPER PPE IN WORK AREA.
- CONTRACTOR TO NOTIFY FARGO VA HCS CO, COR, POLICE AND SAFETY OFFICE IF A FEDERAL OR STATE REGULATOR ARRIVE ONSITE TO INSPECT JOBSITE.
- NO EATING OR DRINKING ON THE JOB SITE.

COMMUNITY INFECTION RATES.

- NO SMOKING, OR ANY USE OF NICOTINE AND VAPING THROUGHOUT THE ENTIRE CAMPUS THIS INCLUDES THE JOBSITE, INSIDE CARS AND THE PARKING LOT.
- CONTRACTOR MAY BE REQUIRED TO WEAR A MASK IF DIRECTED BY THE VA/COR DUE TO
- REFER TO VA VACCINATION POLICY AND TB TESTING WITHIN THE SPECIFICATIONS.
- AREA A SHALL BE CONSIDERED LEVEL 3 ICRA
- AREA B SHALL BE CONSIDERED LEVEL 3
- AREA C SHALL BE CONSIDERED LEVEL 3 ICRA
- LEVEL D SHALL BE CONSIDERED LEVEL 2 ICRA
- ICRA AND ILSM TO BE COMPLETED BY THE VA UPON NOTIFICATION OF INTENT TO BEGIN

NOTE: THE ABOVE ARE REFERENCED FROM GI-004.



Level of Precautions	Control Measures
Level I	1. Perform work activity in a manner that does not create dust. 2. Immediately replace any ceiling tile, close access panels, etc., upon completion of work.
	3. Any materials and equipment being brought into the facility must be free of contaminants and loose material.
Level II	All control measures in Level I and the following:  1. Provide active means to control airborne dust from dispersing into occupied areas and/or water mist surface to control dust (e.g., Mobile Dust Containment Cart or some other system).
	<ol> <li>Ensure worker clothing is clean and free of visible dust before leaving the work area.</li> <li>Remove or isolate air diffusers (supply and return) to protect the HVAC system from dust and reduce air turbulence. Rebalance system to address diffuser isolation.</li> </ol>
	4. When the work involves or impacts potable water systems including stagnation due to reduced usage, the piping shall be flushed twice a week or isolated from the main system.
	<ul><li>5. Seal doors to prevent dust migration.</li><li>6. Contain all trash and debris in the work area. Perform daily cleaning and disposal of trash (covered) from work area using an identified exit route.</li></ul>
	7. Any equipment, tools, or materials removed from the work area must be in sealed containers and/or cleaned of dust and debris prior to removal from the area.  8. Nonporous/smooth and cleanable containers (with a hard lid) must be used to
	transport trash and debris from the construction areas. These containers must be damp-wiped cleaned and free of visible dust/debris before leaving the contained
	work area.  9. Install a sticky (dust collection) mat at entrance of contained work area based on facility policy. Sticky mats must be changed routinely and when visibly soiled.
	10. Maintain clean surroundings when area is not contained by damp mopping or HEPA vacuuming surfaces at least daily.
Level III	<ul> <li>All control measures in Levels I and II and the following:</li> <li>1. Ensure availability of equipment for cleaning hands.</li> <li>2. Construct and complete critical barriers meeting NFPA 241 requirements. Barriers must extend to the ceiling or if ceiling tile is removed, to the deck above.</li> <li>3. All barrier construction activities must be completed in a manner that prevents dust</li> </ul>
	release. 4. Barriers must be hard barriers unless temporary to install final barrier. Barrier walls shall be inspected and approved prior to the start of demolition or construction. (If VA staff cannot inspect prior to 4:30PM, then the check will be the next business day.)
	<ul><li>5. Seal all penetrations in containment barriers, including floors and ceiling, using approved materials (UL schedule firestop if applicable for barrier type).</li><li>6. Maintain .01 inches /water gauge negative pressurization of the entire workspace by use</li></ul>
	of HEPA exhaust air systems directed outdoors (unless a work specific waiver is approved by VHA's Office of Healthcare Engineering); this must be maintained continuously 24/7 for the duration of the project. Exhaust discharged directly to the outdoors that is 25 feet or greater from entrances, air intakes and windows is not required to be HEPA-filtered. Exhausting discharged air into shared or recirculating HVAC systems, or other shared exhaust systems (e.g., bathroom exhaust) is prohibited.
	7. Install a differential pressure sensing device (e.g., magnehelic, manometer, or digital monitoring) on exterior of work containment to continually monitor and document negative pressurization. The "ball in the wall" or similar apparatus are not acceptable.
Level IV	<ul> <li>All control measures in Levels I, II and III and the following:</li> <li>1. Containment must include an anteroom to ensure pressure control. Anteroom must be large enough for equipment staging, cart cleaning, workers' PPE and cleaning.</li> <li>2. Worker clothing and/or PPE must be removed or clean and free of visible dust before leaving the work area anteroom. HEPA vacuuming of clothing or use of</li> </ul>
	cover suits is acceptable.  3. Workers must wear shoe covers or have a method to clean shoes in anteroom. Shoe covers must be removed prior to exiting the anteroom to the occupied space
	(non-work area). Damaged shoe covers must be changed immediately.

Office of Construction and Facilities	Drawing Title GENERAL - INFECTION CONTROL CLASS IV AND GENERAL NOTES	ISSUE FOR BID	Project Title  EHRM INFRAST  UPGRADES - T			SUE FOR BID - 01/16/2024 Project Number 437-21-210 Building Number
Management  U.S. Department of Veterans Affairs	Approved: Project Director	BUILDING FULLY SPRINKLERED	Issue Date 01/16/2024	ALTH CARE Checked DA	SYSTEM Drawn JM	Drawing Number  GI-101

#### Infection Prevention and Control Construction/Renovation/Maintenance Permit

Т	his page must be post	ed at the entrance to	the project a	rea for Level III and Level	IV activities.		
Unique permit			·				
Location of							
construction/re	enovation/maintenance						
Project manag	· · · · · · · · · · · · · · · · · · ·			Project start date			
Contact phone	· · · · · · · · · · · · · · · · · · ·			Completion date			
Contractor		<del></del>		Permit expiration date			
	<b>!</b>			1 offine oxpination date	!		
<b>Activity Categ</b>	ory Overall Patie	ent Risk Category		Level of Infection Prevention	and Control		
(A, B, C, or D)	(Low, Medium,	High, or Highest)		Precautions (I, II, III, or IV)			
	-						
Level of			<u>-</u>	r the duration of the activity	•		
Precautions	<b>`</b>			utions to indicate the Control Mea	asures)		
Level I	1. Perform work activity in			• •			
	2. Immediately replace any		•	า completion of work. efree of contaminants and loose m	atorial		
Level II	All control measures in L			accurated areas and/an water relation	unfoco to control divi	ot /o =	
			-	occupied areas and/or water mist s	uriace to control dus	sı (e.g.,	
	Mobile Dust Containment Cart or some other system).  2. Ensure worker clothing is clean and free of visible dust before leaving the work area.						
				/AC system from dust and reduce	air turbulence. Reb	calance	
	system to address diffus					<b>.</b>	
		· •	systems including	stagnation due to reduced usage	, the piping shall be	flushed	
	twice a week or isolated from the main system 5. Seal doors, to prevent dust migration.						
	6. Contain all trash and debris in the work area. Perform daily cleaning and disposal of trash (covered) from work area using an						
	identified exit route.		•	,	_	,	
			the work area mu	st be in sealed containers and/or c	leaned of dust and o	debris	
	prior to removal from the		a hard lid) must	he used to transport trash and deh	ris from the constru	ection	
	•	8. Nonporous/smooth and cleanable containers (with a hard lid) must be used to transport trash and debris from the construction areas. These containers must be damp-wiped cleaned and free of visible dust/debris before leaving the contained work area.					
	9. Install a sticky (dust collection) mat at entrance of contained work area based on facility policy. Sticky mats must be changed						
	routinely and when visibly soiled.						
ļ		<u> </u>		mopping or HEPA vacuuming sui	faces at least daily.		
Level III	All control measures in Language 1. Ensure availability of equi						
				ents. Barriers must extend to the	ceiling or if ceiling til	le is	
	removed, to the deck above				-		
	3.All barrier construction ac	•		•	and annual advantage	to the	
				r. Barrier walls shall be inspected a 30PM, then the check will be the r	• • •		
				ling, using approved materials (Ul			
	applicable for barrier type).			· · · · · · · · · · · · · · · · · · ·	•		
				e workspace by use of HEPA exha	_		
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	• • • • • • • • • • • • • • • • • • • •		Healthcare Engineering); this must		•	
	-	-	_	outdoors that is 25 feet or greater following distributions that is 25 feet or greater f			
	shared exhaust systems (e.			a an into oriaroa or roomodiating rr	vito eyeteme, er et	101	
	7.Install a differential pressu	ire sensing device (e.g., r	nagnehelic, mand	ometer, or digital monitoring) on ex	terior of work conta	ainment	
	to continually monitor and d	ocument negative pressu	rization. The "ball	in the wall" or similar apparatus ar	e <u>not acceptable</u> .		
Level IV	All control measures in L		•				
			pressure control,	Anteroom must be large enough f	or equipment stagin	g, cart	
	cleaning, workers' PPE  2. Worker clothing and/or F	•	clean and free of	visible dust before leaving the work	carea anternom HF	=PA	
		r use of cover suits is acce		Toble duct belote leaving the work	. aroa aritoroomi. HE	, \	
			•	n anteroom Shoe covers must be r	emoved prior to exit	ting the	
	anteroom to the occupie	d space (non-work area).	Damaged shoe c	overs must be changed immediate	ely.		

#### Additional requirements: At completion of project, Table 6 (Minimum Infection Prevention and Control Measures Required Upon Completion of the Activity) of this ICRA must be followed. Project Manager signature Date Infection Preventionist signature Date Date Patient Safety Manager

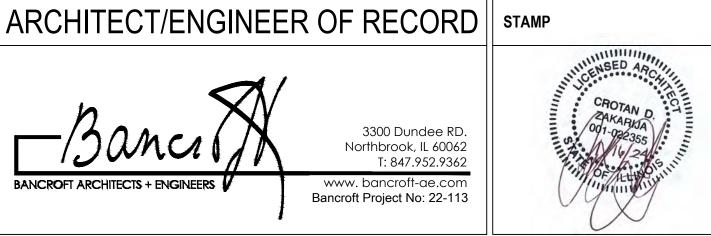
VHA-ICRA-2023-1.0

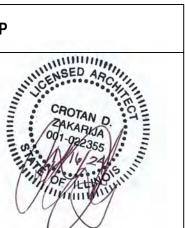
#### SAMPLE ICRA PERMIT

VA FORM 08 - 6231

		CONSULTANT
ISSUE FOR BID	01-16-24	
Revisions:	Date:	

3300 Dundee RD. Northbrook, IL 60062 T: 847.952.9362 www. bancroft-ae.com Bancroft Project No: 22-113







Office of

#### Construction and Facilities

Management

U.S. Department of Veterans Affairs

#### VHA Infection Control Risk Assessment for Construction, Renovation and Maintenance

#### **Introductory Information and Instructions**

Use this template as a baseline for performing facility Infection Control Risk Assessments (ICRAs) for construction, renovation, and maintenance work (referred to as the "activity" in this document). The template provides minimum requirements for categorizing activity types and patient risk to determine the level of precautions needed to prevent infection risks. Facilities may customize this template to incorporate site-specific information and/or to add more stringent criteria.

NOTE: This VHA ICRA template pertains specifically to infection prevention. It must be used in conjunction with the required Pre-Construction Risk Assessment (PCRA) for the activity which addresses other activity-related safety concerns (e.g., vibration, noise) outside the scope of the ICRA.

To complete the template:

- 1. Use **Table 1** to identify the category of the construction, renovation and/or maintenance activity.
- 2. Use **Table 2** to identify the areas affected by the activity.
- 3. Use **Table 3** to identify the overall patient risk category that will be affected by the activity.
- 4. Use **Table 4** to determine the level of infection prevention and control precautions needed for the activity.

Once all 4 steps above are completed: Refer to **Table 5** for the minimum required control measures for the level of infection prevention and control precautions needed for the activity. Refer to Table 6 for the minimum infection prevention and control measures required on completion of the activity.

PERMIT: See the last page of this document for a fillable permit form to be used for posting at the activity site as needed.

#### Table 1 - Construction, Renovation, and/or Maintenance Activity Category

NOTE: If any of the bulleted criteria in a higher activity category pertains to the work that will be done (even if the other criteria are in a lower category), use the higher activity category for the VHA ICRA.

Activity Category determined from Table 1 (A, B, C, or D):

#### Inspection and/or facility upkeep generally defined as follows:

#### Work can be completed in a single shift, not to exceed 10 hours.

- Patients and/or employees may be in the area depending on the activity.
- Work that does not create dust or debris.
- limited to 1 tile per 50 square feet with limited exposure time (not to exceed an hour for each tile) within the shift.
- Minor interior updates (e.g., replacing floor or ceiling tiles, carpentry work to include hanging signage, and painting without sanding) that do not create dust or debris.

Removal of ceiling tile or access to mechanical or electrical chase for visual inspection

Limited building system maintenance such as plumbing on potable systems limited to faucet replacement etc. and electrical work such as replacement of bulbs, receptacles, or switches.

#### Category

Category

#### General maintenance and repair work generally defined as follows:

- Prolonged inspection and work that may take longer than a single shift but not exceeding a week.
- Patients and employees are not to be in the area until activity is completed.
- Work that creates minimal dust and debris.

VHA-ICRA-2023-1.0 Page 1 of 7

SAMPLE ICRA FORM 1 OF 7

ISSUE FOR BID - 01/16/2024 **Project Title** Project Number **Drawing Title** GENERAL - INFECTION CONTROL - SAMPLE ICRA 437-21-210 ISSUE FOR BID EHRM INFRASTRUCTURE **Building Number** PERMIT AND FORMS **UPGRADES - TIER 2** Approved: Project Director **Drawing Number** FARGO VA HEALTH CARE SYSTEM **BUILDING FULLY** Checked GI-102 **SPRINKLERED** DA

#### VHA Infection Control Risk Assessment for Construction, Renovation and Maintenance

• Interior finish or surface repairs, updates, or modifications such as repair of firewalls and barriers, and new flooring that produces minimal dust and debris. Controlled sanding activities (e.g., wet or dry sanding) that produce minimal dust and debris. Plumbing work such as installation or replacement of a single fixture or piping for a single fixture. Any work on sanitary plumbing including snaking of drains. Electrical work such as installation of cabling/wiring/conduit for a single device, installation of new device such as a light fixture that produces minimal dust and debris. Air Handler and/or fan shutdown/startup and HVAC work such as replacement of a single diffuser, single terminal unit or a single device that produces minimal dust and debris. Small-scale construction, renovation, or maintenance generally defined as follows: Work requiring longer than a single week to complete but not exceeding 6 months. • Patients and employees are not to be in the area until activity is completed. • Demolition/removal of preexisting floor covering, casework, lay-in ceiling, or other Category architectural elements. • Demolition/removal of more than 32 ft<sup>2</sup> of drywall/framing, hard ceilings, and doors/framing and minimal infrastructure such as electrical circuits and branch piping. • Installation of new walls, ceilings and doors including framing, drywall/plaster and associated work. Plumbing work such as the installation of new sinks, showers and toilets and associated plumbing. Shut down of sections of potable water systems. Electrical work such as installation of conduit and wire for lighting, receptacles and switches for an area, the installation of conduit and wire for new devices such as terminal units, fans etc. Modification of existing fire alarm and suppression systems. Mechanical work such as the installation of ductwork, diffusers, and terminal units for an area. Large-scale construction, renovation, or maintenance generally defined as follows: Work exceeding 6 months in duration. Category Patients and employees are not to be in the area until activity is completed. • Large-scale demolition of building components and infrastructure including removal of multiple doors, walls, framing, ceilings, flooring, piping, electrical and HVAC. The installation building components such as new walls, ceilings and doors including framing, drywall and associated plaster work. Plumbing work such as the installation of: new medical gas systems, steam/heating hot water, condensate systems, o multiple sinks, showers and toilets including associated plumbing. Shutdown of potable water, steam/heating hot water, condensate, and medical gas systems. Electrical work such as installation of electrical feeders, distribution panels, conduit and wire for lighting, receptacles and switches for an area, the installation of conduit and wire for new devices such as terminal units, fans etc. Installation of fire alarm and suppression systems.

VHA-ICRA-2023-1.0 Page 2 of 7

Mechanical work such as the installation of air handling equipment, associated

ductwork, diffusers, heat exchangers, terminal units and controls.

Electrical shutdown of multiple panels.

#### **VHA Infection Control Risk Assessment** for Construction, Renovation and Maintenance

#### **Table 2 - Affected Area Assessment**

Identify the areas and associated patients that will be affected by the construction/renovation/maintenance activity (see the Figure for a visual representation of adjacent affected areas).

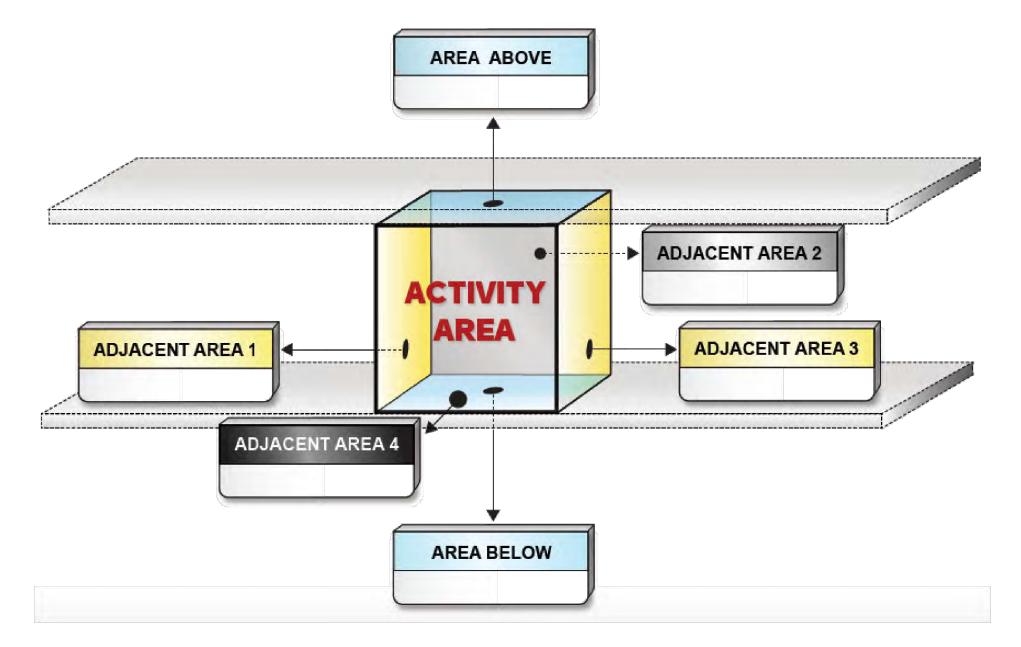


Figure: Isometric drawing of affected area assessment

Area	Service(s)/Type(s) of Area(s) (e.g., OR, Unit/Ward, Sterile Processing, Administrative, etc.)*	Point of Contact (POC)	POC Contact Information
Activity Area**			
Area Above			
Area Below			
Adjacent Area 1			
Adjacent Area 2			
Adjacent Area 3			
Adjacent Area 4			

<sup>\*</sup> There may be more than one Service/type of area for each row. List all.

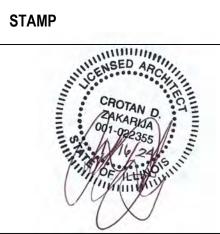
VHA-ICRA-2023-1.0 Page 3 of 7

#### SAMPLE ICRA FORM 2 OF 7

ISSUE FOR BID	01-16-24
Revisions:	Date:

CONSULTANT ARCHITECT/ENGINEER OF RECORD | STAMP

3300 Dundee RD. Northbrook, IL 60062 T: 847.952.9362 www. bancroft-ae.com Bancroft Project No: 22-113



Office of

Construction and Facilities Management

SAMPLE ICRA FORM 3 OF 7

U.S. Department of Veterans Affairs

GENERAL - INFECTION CONTROL - SAMPLE ICRA ISSUE FOR BID Approved: Project Director **BUILDING FULLY SPRINKLERED** 

ISSUE FOR BID - 01/16/2024 **Project Title** Project Number 437-21-210 EHRM INFRASTRUCTURE **Building Number UPGRADES - TIER 2 Drawing Number** FARGO VA HEALTH CARE SYSTEM GI-103 DA

<sup>\*\*</sup> List the area(s) in which the construction/renovation/maintenance activity will occur. **NOTE: When the Activity** Category is B, C, or D, the control measures are determined by the Patient Risk in the adjacent affected areas.

#### **VHA Infection Control Risk Assessment** for Construction, Renovation and Maintenance

#### **Table 3 - Patient Risk Category**

Using Table 3, identify the patient risk category for each area listed in Table 2. Of the patient risk categories identified, select the one with the greatest risk as the overall Patient Risk Category for the activity.

Overall Patient Risk Category determined from Table 3 (Low, Medium, High, or Highest):

Public hallways and gathering areas not in clinical areas	ient care support as such as:  Waiting areas Clinical	Patient care areas such as:  • Patient care rooms	Procedural, invasive, sterile support and highly compromised patient care areas such as:  • All transplant units
gathering areas not in clinical areas	•	<ul> <li>Patient care rooms</li> </ul>	<ul> <li>All transplant units</li> </ul>
Bathrooms or locker	engineering (biomedical)  Materials management  Sterile processing department – dirty side  Kitchen, cafeteria, gift shop, coffee shop, and food kiosks	and areas, including spinal cord injury units  All acute care units, including mental health  All outpatient units and clinics  Emergency department  Community Living Centers, domiciliaries, and transitional residences  Employee health  Pharmacy – general work zone  Medication rooms and clean utility rooms  Imaging suites – diagnostic imaging	<ul> <li>All intensive care units</li> <li>All oncology units and chemotherapy/infusion centers</li> <li>OR theaters and restricted areas</li> <li>Hemodialysis units</li> <li>Procedural rooms*</li> <li>Pharmacy compounding area</li> <li>Sterile processing department – clean side</li> <li>Transfusion services</li> <li>Imaging suites – interventional imaging</li> <li>Dedicated isolation wards/units for infectious diseases</li> </ul>

<sup>\*</sup> Procedural Rooms are designated for the performance of patient care activities that may require high-level disinfected or sterile instruments and some environmental controls but is not required to be performed with the environmental controls of an operating room (OR). The room is intended for procedures that are performed in an aseptic surgical field and penetrates the protective surfaces of a patient's body (e.g., subcutaneous tissue, mucous membranes, cornea) or entry into or opening of a sterile body cavity. Examples of these spaces include Cardiac Catheterization Suites, Electrophysiology Suites, Endovascular/GI Suites, Angio Suites and other spaces which may have high risk patient populations.

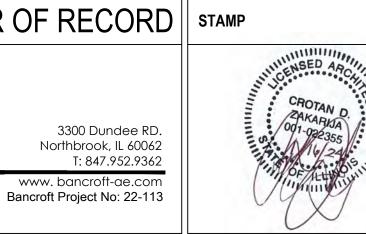
VHA-ICRA-2023-1.0 Page 4 of 7

#### SAMPLE ICRA FORM 4 OF 7

VA FORM 08 - 6231

		CONSULTANT
		-
		-
ISSUE FOR BID	01-16-24	
Revisions:	Date:	$\exists$

ARCHITECT/ENGINEER OF RECORD | STAMP BANCROFT ARCHITECTS + ENGINEERS







## Office of

Construction and Facilities Management

SAMPLE ICRA FORM 5 OF 7

#### GENERAL - INFECTION CONTROL - SAMPLE ICRA Approved: Project Director **SPRINKLERED**

ISSUE FOR BID - 01/16/2024 Project Title **Project Number** 437-21-210 ISSUE FOR BID EHRM INFRASTRUCTURE **Building Number UPGRADES - TIER 2 Drawing Number** FARGO VA HEALTH CARE SYSTEM **BUILDING FULLY** GI-104

DA

VHA Infection Control Risk Assessment for Construction, Renovation and Maintenance

#### Table 4 - Level of Infection Prevention and Control Precautions

Match the Overall Patient Risk Category (Low, Medium, High, Highest) determined from Table 3 with the planned Construction/Renovation/Maintenance Activity Category (A, B, C, D) from Table 1 to determine the minimum Level of Infection Prevention and Control Precautions (I, II, III, or IV) using Table 4 below.

Level of Precautions determined from Table 4 (I, II, III, or IV):

Patient Risk	Activity Category				
Category	Α	В	С	D	
Low Risk	1	II	Í	III	
Medium Risk	1	П	III	IV	
High Risk		II	IV	IV	
Highest Risk	II	III	IV	IV	

An infection prevention and control permit is required for Level III and Level IV. Consult with Infection Prevention and Control for Level I and Level II.

#### Table 5 - Required Infection Prevention and Control Measures, by Level of Precautions

Controls defined below for the Level of Precautions identified for the activity must be in place before the activity begins and maintained until work is completed and the area is activated. Control measures for each Precaution Level must also include the control measures in the preceding Level(s).

As the activity progresses, a full re-evaluation of remaining activity type and patient risk is required prior to downgrading the Level of Precautions.

Level of	Control Measures					
<b>Precautions</b>						
Level I	1. Perform work activity in a manner that does not create dust.					
	2. Immediately replace any ceiling tile, close access panels, etc., upon completion of work.					
	<ol> <li>Any materials and equipment being brought into the facility must be free of contaminants and loose material.</li> </ol>					
Level II	All control measures in Level I and the following:					
	1. Provide active means to control airborne dust from dispersing into occupied areas					
	and/or water mist surface to control dust (e.g., Mobile Dust Containment Cart or some other system).					
	2. Ensure worker clothing is clean and free of visible dust before leaving the work area.					
	3. Remove or isolate air diffusers (supply and return) to protect the HVAC system from dust and reduce air turbulence. Rebalance system to address diffuser isolation.					

VHA-ICRA-2023-1.0 Page 5 of 7