



# U.S. Department of Veterans Affairs

## ISSUE FOR 100% CONSTRUCTION DOCUMENTS

### OCTOBER 28, 2022

### PROJECT LOCATION:

4801 VETERANS DRIVE  
ST. CLOUD, MINNESOTA 56303

### PROJECT TITLE:

## CONSTRUCT PACT CLINIC BUILDING 4 FIRST FLOOR

### BUILDING NUMBER:

# 4

### ARCHITECT/ENGINEER OF RECORD:

## BANCROFT ARCHITECTS + ENGINEERS

700 NICHOLAS BLVD. SUITE 300  
ELK GROVE VILLAGE, ILLINOIS 60007

### CONSULTANTS:

### STRUCTURAL ENGINEER OF RECORD:

## JOHNSON WILBUR ADAMS, INC.

330 S. NAPERVILLE ROAD, SUITE 300  
WHEATON, ILLINOIS 60187

### MEP ENGINEER OF RECORD:

## IMEG CORP.

3001 BROADWAY STREET NE, SUITE 601  
MINNEAPOLIS, MN 55413

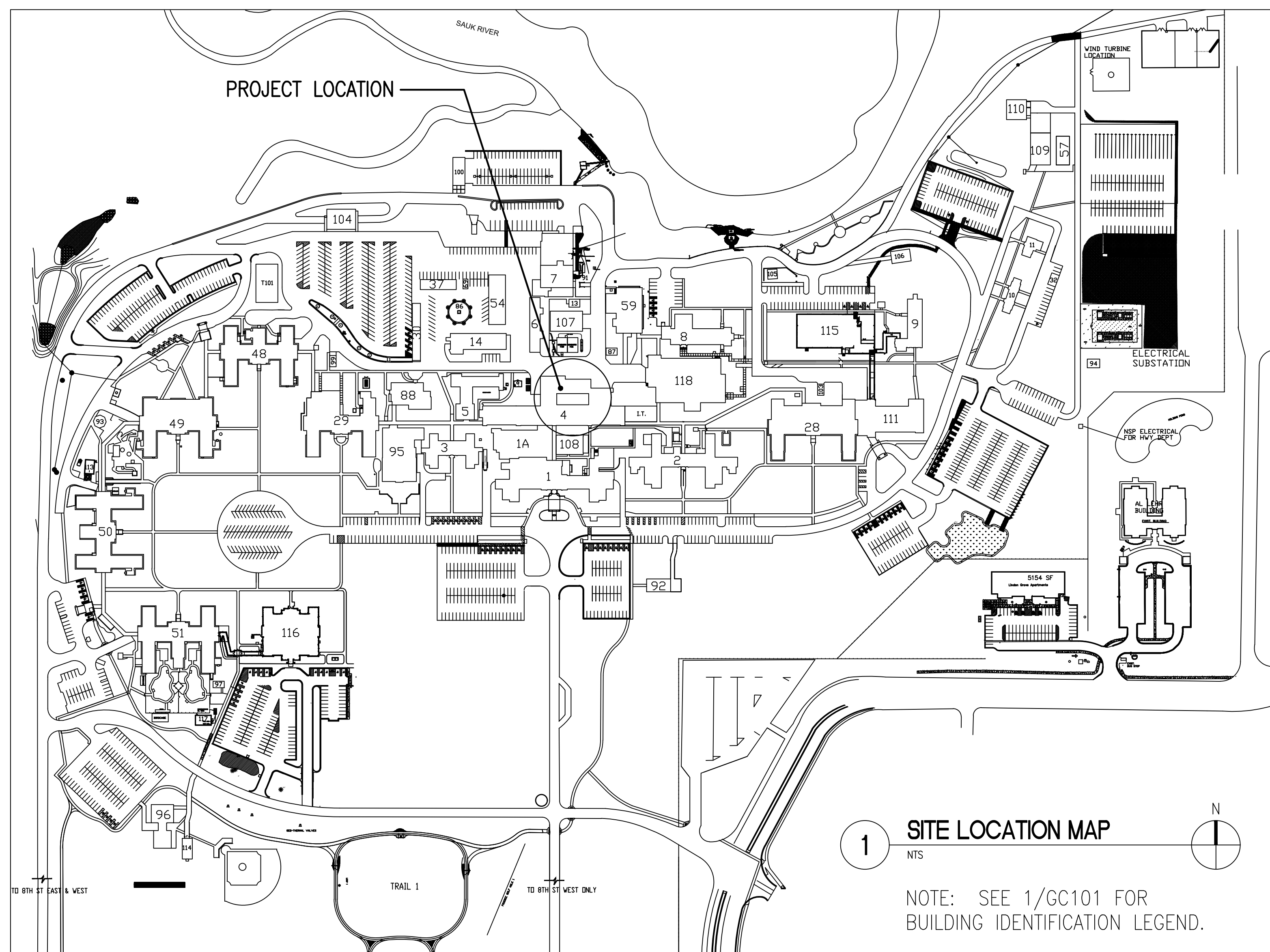
### CERTIFIED INDUSTRIAL HYGIENIST:

## INSTITUTE FOR ENVIRONMENTAL ASSESSMENT, INC.

9201 WEST BROADWAY  
BROOKLYN PARK, MN 55445

### PROJECT NUMBERS:

CONTRACT NUMBER: 36C263-19-D-0022  
TASK ORDER NUMBER: 36C26319N1141  
STATION PROJECT NUMBER: 656-400  
BAE PROJECT NUMBER: 18-116



### GENERAL CONDITIONS:

- ALL DIMENSIONS ON DRAWINGS ARE APPROXIMATE; DRAWINGS ARE NOT TO BE SCALED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL FIELD CONDITIONS AND PHYSICAL DIMENSIONS THAT INFLUENCE THE CONSTRUCTION AREA.
- IT IS RECOMMENDED THAT CONTRACTORS VISIT THE PROPOSED CONSTRUCTION SITE PRIOR TO SUBMITTING THEIR BIDS AND THEY ARE ENCOURAGED TO DO SO.
- CONTRACTOR SHALL ADHERE STRICTLY TO STATE AND FEDERAL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION ( OSHA ) STANDARDS.
- CONTRACTOR SHALL PARK ONLY IN THE DESIGNATED PARKING AREAS AND ARE NOT TO PARK ON THE LAWN AREAS; THE ONLY EXCEPTION IS TO LOAD OR UNLOAD SUPPLIES OR EQUIPMENT.
- CONTRACTOR IS RESPONSIBLE FOR THE SAFEGUARDING OF THEIR TOOLS AND EQUIPMENT. ALL TOOLS AND EQUIPMENT ARE NOT TO BE LEFT UNATTENDED AND ARE TO BE SECURED AT ALL TIMES WHEN THE CONTRACTOR IS NOT PRESENT, OR THE CONSTRUCTION SITE IS NOT SUPERVISED BY THE CONTRACTOR.
- ALL VA PROPERTY IS TO BE SAFEGUARDED FROM DAMAGE. ANY DAMAGED VA PROPERTY IS TO BE RESTORED TO ORIGINAL CONDITION PRIOR TO DAMAGE OR REPLACED COMPLETELY. THIS INCLUDES INSTALLATION, LABOR, AND PROCUREMENT EXPENSES.
- ALL DEMOLISHED MATERIAL BECOMES THE PROPERTY AND THE RESPONSIBILITY OF THE CONTRACTOR WITH THE EXCEPTION OF SPECIFIED ITEMS DESIGNATED EITHER IN THE PLANS OR VERBALLY REQUESTED BY THE COR TO BE RETAINED BY THE VA.
- OFFSITE DISPOSAL OF THE DEMOLISHED ITEMS IS THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR MUST CONTROL DEMOLITION AND CONSTRUCTION DUST FROM FACILITY BY ERECTING A DUST BARRIER AND VENTILATION WITH HEPA FILTERS. IF VENTING TO OUTSIDE, THE CONTRACTOR WILL INSURE NEGATIVE AIR PRESSURE IS MAINTAINED IN ENCAPSULATED WORK AREA. WHEN TRANSPORTING DEBRIS, WET DOWN SUFFICIENTLY TO PREVENT DUST SPREADING.
- IF SCAFFOLDING IS USED, IT MUST BE USED IN ACCORDANCE WITH (OSHA) REGULATIONS AND IS TO BE ENCLOSED FOR THE FIRST EIGHT FEET ABOVE GROUND AT END OF EACH WORKING DAY, UNTIL DISMANTLED. LADDERS MUST BE REMOVED AND LOCKED UP AT THE END OF EACH WORKING DAY TO PREVENT UNAUTHORIZED PERSONS FROM HAVING ACCESS.
- CLEAN ALL DEBRIS FROM CONSTRUCTION SITE TO THE SATISFACTION OF THE COR.
- CONTRACTOR IS RESPONSIBLE FOR ERECTING A BARRIER AROUND WORK SITE TO PREVENT PATIENTS, STAFF AND VISITORS FROM ENTERING CONSTRUCTION SITE. THIS FENCE MAY BE A PLASTIC SNOW FENCE. COORDINATE CONSTRUCTION MATERIALS AND LOCATION OF FENCE WITH COR.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRING AND REPLACING ANY DAMAGED LAWN. THE RESTORATION WILL BE PERFORMED BY A LANDSCAPE CONTRACTOR THAT REGULARLY DOES SODDING AS PART OF THEIR BUSINESS. ALL DAMAGED LAWN WILL BE OVERTURNED BY 6" OR MORE TO ACCOMMODATE FULL WIDTH ROLLS OF SOD. TOP SOIL TO BE TILLED AND GRADED TO A SMOOTH MATCHING GRADE OF UNDAMAGED LAWN. SOD TO BE THOROUGHLY SATURATED WITH WATER UPON PLACEMENT. THE CONTRACTOR IS RESPONSIBLE FOR WATERING NEW SOD UNTIL PROJECT ACCEPTANCE BY THE COR.
- ACCESS TO ALL BUILDINGS AND PARKING AREAS MUST BE MAINTAINED THROUGHOUT THE PROJECT.
- CONTRACTORS ARE TO COORDINATE ALL WORK WITH THE CONTRACTING OFFICER'S REPRESENTATIVE. (COR)

### PROFESSIONAL SEALS:

<b>ARCHITECTURE</b> I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota. Print Name: DENNIS J MIKA Signature: Date: 10-28-22 License # 56382	<b>STRUCTURAL</b> I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota. Print Name: Michael J Wilbur Signature: Date: 10/28/2022 License # 48456	<b>PLUMBING</b> I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota. Signature: Typed or Printed Name: Robert Douglas Lowe Date: 10/28/2022 License Number: 24706
<b>MECHANICAL</b> I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota. Signature: Typed or Printed Name: Robert Douglas Lowe Date: 10/28/2022 License Number: 24706	<b>ELECTRICAL</b> I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota. Signature: Typed or Printed Name: Alexander S. Quast Date: 10/28/2022 License Number: 53095	

10/28/2022 - ISSUE FOR 100 % CONSTRUCTION DOCUMENTS

ISSUE FOR 100% CONSTRUCTION DOCUMENTS	10/28/22
No	REVISION DATE

ARCHITECT/ENGINEER OF RECORD	
	700 Nicholas Blvd, Suite 300 Elk Grove Village, IL 60007 T: 847.952.9362 www.bancroft-ae.com BAE PROJECT NO. 18-116

APPROVED PROJECT COR	DATE:	APPROVED SERVICE LINE DIRECTOR	DATE:	APPROVED INFECTION CONTROL NURSE	DATE:
APPROVED GEN'S PROJECT MANAGER	DATE:	APPROVED PATIENT SAFETY	DATE:	APPROVED CHIEF OF POLICE	DATE:
APPROVED PROJECTS SECTION MANAGER	DATE:	APPROVED CHIEF OF POLICE	DATE:	APPROVED SAFETY MANAGER	DATE:
APPROVED DIRECTOR PMS	DATE:	APPROVED SAFETY MANAGER	DATE:		

DRAWING TITLE		PROJECT TITLE		DATE:
GENERAL - TITLE SHEET		CONSTRUCT PACT CLINIC		10/28/22
		BUILDING 4 FIRST FLOOR		PLST SCALE:
APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR		PROJECT NO:		656-400
DATE:		DRAWING NO:		0001
APPROVED CHIEF OF STAFF		BUILDING No	CHECKED BY	DRAWN
DATE:		4	DA	LC
APPROVED HEALTH CARE SYSTEM DIRECTOR		LOCATION:		ST. CLOUD VAHCS
DATE:				ST. CLOUD, MN 56303

**U.S. Department of Veterans Affairs**  
Veterans Health Administration  
St. Cloud VA Health Care System



**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. INTERNATIONAL BUILDING CODE 2018 (IBC) (SEE NOTE A BELOW).
3. NFPA 101 LIFE SAFETY CODE 2018 (SEE NOTE A BELOW).
4. NFPA NATIONAL FIRE CODES WITH THE EXCEPTION OF NFPA 5000 AND NFPA 900.
5. OCCUPATIONAL, SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS.
6. VA SEISMIC DESIGN REQUIREMENTS, H-18-8 .
7. NATIONAL ELECTRICAL CODE (NEC).
8. INTERNATIONAL PLUMBING CODE (IPC).
9. SAFETY CODE FOR ELEVATORS AND ESCALATORS, AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME) A 17.1.
10. ASME BOILER AND PRESSURE VESSEL CODE.
11. ASME CODE FOR PRESSURE PIPING.
12. ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARDS (ABAAS) INCLUDING VA SUPPLEMENT, BARRIER FREE DESIGN GUIDE (PG-18-13).
13. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, AMERICAN CONCRETE INSTITUTE AND COMMENTARY (ACI 318)
14. MANUAL OF STEEL CONSTRUCTION, LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
15. ENERGY POLICY ACT OF 2005 (EPACT)
16. DOE INTERIM FINAL RULE: ENERGY CONSERVATION STANDARDS FOR NEW FEDERAL, COMMERCIAL AND MULTI-FAMILY HIGH-RISE RESIDENTIAL BUILDINGS AND NEW LOW-RISE RESIDENTIAL BUILDINGS, 10 CFR PARTS 433, 434 AND 435.
17. FEDERAL LEADERSHIP IN HIGH PERFORMANCE AND SUSTAINABLE BUILDINGS: MEMORANDUM OF UNDERSTANDING (MOU)
18. EXECUTIVE ORDER 13423: STRENGTHENING FEDERAL ENVIRONMENTAL, ENERGY, AND TRANSPORTATION MANAGEMENT.
19. THE PROVISIONS FOR CONSTRUCTION AND SAFETY SIGNS. STATED IN THE GENERAL REQUIREMENTS SECTION 01010 OF THE VA MASTER CONSTRUCTION SPECIFICATION.
20. VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY – ASHRAE STANDARD 62.1- 2004.
21. SAFETY STANDARD FOR REFRIGERATION SYSTEMS – ASHRAE STANDARD 15 – 2007.
22. ASHRAE-110 F VELOCITY MEASUREMENT PROCEDURES
23. SHEET METAL AND AIR CONDITIONING CONTRACTORS ASSOCIATION (SMACNA)
24. INTERNATIONAL MECHANICAL CODE (IMC)
25. UNDERWRITER'S LABORATORIES (UL)

NOTE A:  
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 BE NON-SPRINKLERED.  
ALL WORK SHALL BE IN COMPLIANCE WITH APPLICABLE BUILDING CODES.

**ARCHITECTURAL BARRIERS ACT (ABA)**

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

1. ACCESSIBLE TOILET ROOMS AS DESIGNATED IN SCOPE OF WORK.
2. ACCESSIBLE HI-LO DRINKING FOUNTAINS NOT IN SCOPE OF WORK.
3. ALL CONTROLS AND OPERABLE PARTS SHALL FULLY COMPLY AND BE BETWEEN 15" AND 48" AFF.
4. 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**

NAME: CONSTRUCT PACT CLINIC BUILDING 4 FIRST FLOOR  
BUILDING NUMBER: 4  
ADDRESS: 4801 VETERANS DRIVE  
ST. CLOUD, MN 56303

PROJECT DESCRIPTION: THE SCOPE OF WORK OF THIS PROJECT INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING:  
- REMODEL OF A PORTION OF THE FIRST FLOOR OF BUILDING 4 AND CONSTRUCTION OF A BUILDING INFILL IN THE OPEN COURTYARD AREA OF THE BUILDING TO PROVIDE FOR A PATIENT-ALIGNED CARE TEAM (PACT) CLINIC WITH SUPPORT INFRASTRUCTURE.  
- CONSTRUCTION OF A BASEMENT LEVEL MECHANICAL ROOM AS A BUILDING INFILL IN THE OPEN COURTYARD AREA OF BUILDING 4, ALONG WITH A REMODEL OF A PORTION OF THE BASEMENT TO PROVIDE FOR MECHANICAL ROOM MEANS OF EGRESS.

OWNER: US DEPARTMENT OF VETERANS AFFAIRS  
ADDRESS: 4801 VETERANS DRIVE  
ST. CLOUD, MN 56303

DESIGN PROFESSIONAL: BANCROFT ARCHITECTS + ENGINEERS  
700 NICHOLAS BLVD., SUITE 300  
ELK GROVE VILLAGE, IL 60007

**PROJECT INFORMATION**

**BUILDING INFORMATION**

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

**TOTAL PROJECT SIZE**

TOTAL PROJECT AREA (ALL FLOORS): 11,186 SF

**PROJECT INFORMATION - FIRST FLOOR**

PROJECT AREA - OCCUPANCY CLASS:	BUSINESS (NEW BUSINESS OCCUPANCY)	
PROJECT AREA - OCCUPANT LOAD:	8,534 SF, 116 OCCUPANTS	
PRIMARY CARE - SUITE SIZE & OCC. LOAD:	7,650 GSF, 110 OCCUPANTS	NFPA 101 TABLE 7.3.1.2
ALL EXCEPT BELOW:	150 GSF/PERSON (BUSINESS OCCUPANCY): 6,034 SF = 41 OCCUPANTS	
WAITING AREA:	876 GSF @ 50 GSF/PERSON (CONCENTRATED BUS. OCC). 28 CHAIRS > 18 OCC. USE 28 OCC.	
TEAM ROOMS:	740 GSF + 466 GSF @ 30 GSF/PERSON (COLLABORATION > 450SF) = 41 OCCUPANTS	
ADJACENT EAST CORRIDOR, HAC, STOR:	884 GSF @ 150 GSF/PERSON (BUSINESS OCCUPANCY) = 6 OCCUPANTS	

**PROJECT INFORMATION - BASEMENT**

PROJECT AREA - OCCUPANCY CLASS:	INCIDENTAL TO BUSINESS (1-HOUR SEPARATION AT VA REQUEST TO MEET IBC (2018), TABLE 508.2)	
PROJECT AREA - OCCUPANT LOAD:	2,652 SF, 18 OCCUPANTS	
MECH & STOR AREAS - OCCUPANT LOAD:	2,652 SF @ 150 GSF/PERSON = 18 OCCUPANTS	NFPA 101 TABLE 7.3.1.2

**AUTOMATIC FIRE SUPPRESSION**

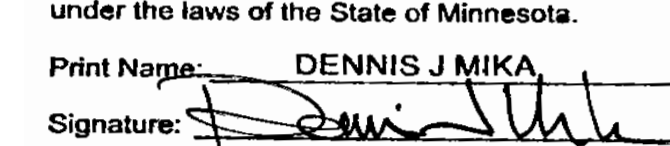
FIRE SUPPRESSION: RENOVATED AND NEW AREAS UNDER THIS PROJECT SCOPE IN ACCORDANCE WITH NFPA 13.

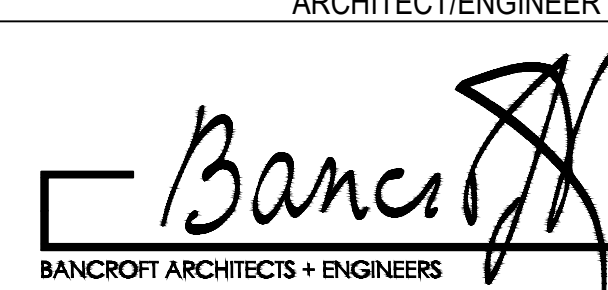
**BUILDING DATA**

BUILDING SPRINKLERS:	NONE EXISTING. RENOVATED AREAS IN SCOPE OF WORK TO BE SPRINKLERED.				
BUILDING USE/OCCUPANCY:	BUSINESS USE WITH LOW HAZARD CONTENTS				
PROJECT USE/OCCUPANCY:	BUSINESS USE				
APPLICABLE CODE	NFPA 101 (2018), NFPA 220 (2018), NFPA 5000 (2018)		IBC (2018)		
	SECTION	REQUIREMENT	SECTION	REQUIREMENT	PROVIDED
BUILDING CONSTRUCTION TYPE	NFPA 220, Table 4.1.1	TYPE III (200)			REQUIRED EXISTING: TYPE III(200)
FOR NON-SPRINKLERED (NS) BLDG ALLOWABLE HEIGHT (NS)		55'			55'-0" 4 STORIES
ALLOWABLE # OF STORIES (NS)		4 STORIES			EXISTING, NO CHANGE
ALLOWABLE BUILDING AREA PER STORY	NFPA 5000 (2018), TABLE 7.4.1	19,000 SF	NFPA GOVERNS		19,000 SF, EXISTING NONCONFORMING BUILDING IS 29,286 GSF AT 1ST FL.
					INCREASE TO 31,879 GSF AT 1ST FLOOR
PROJECT OCCUPANT LOAD FACTORS	BUSINESS USE	150 GSF			
	CONCENTRATED BUSINESS USE	50 GSF			
	COLLABORATION ROOMS < 450SF	30 GSF			
	COLLABORATION ROOMS >450SF	15 GSF	NFPA GOVERNS	NFPA GOVERNS	SEE PROJECT INFORMATION FOR OCCUPANT CALCULATIONS

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I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.  
Print Name: DENNIS J MIKA  
Signature:   
Date: 10-28-22 License #: 56382

ARCHITECT/ENGINEER OF RECORD  
  
700 Nicholas Blvd, Suite 300  
Elk Grove Village, IL 60007  
T: 847.952.9362  
www.bancroft-ae.com  
BAE PROJECT NO.: 18-116

APPROVED PROJECT GDR	DATE:	APPROVED SERVICE LINE DIRECTOR	DATE:	APPROVED INFECTION CONTROL NURSE	DATE:
APPROVED GEMS PROJECT MANAGER	DATE:	APPROVED PATIENT SAFETY	DATE:	APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE:
APPROVED PROJECTS SECTION MANAGER	DATE:	APPROVED CHIEF OF POLICE	DATE:	APPROVED CHIEF OF STAFF	DATE:
APPROVED DIRECTOR PMS	DATE:	APPROVED SAFETY MANAGER	DATE:	APPROVED HEALTH CARE SYSTEM DIRECTOR	DATE:

DRAWING TITLE	GENERAL - CODE AND BUILDING INFORMATION	DATE:	10/28/22
PROJECT TITLE	CONSTRUCT PACT CLINIC BUILDING 4 FIRST FLOOR	PLOT SCALE:	
APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE:	PROJECT NO:	656-400
APPROVED CHIEF OF STAFF	DATE:	BUILDING NO:	4
APPROVED HEALTH CARE SYSTEM DIRECTOR	DATE:	CHECKED BY:	DA
		DRAWN BY:	JMR
		DRAWING NO.:	G003
		LOCATION:	ST. CLOUD VAHCS ST. CLOUD, MN 56303



EGRESS REQUIREMENTS						
APPLICABLE CODE	NFPA 101 (2018)		IBC (2018)		PROVIDED	
	SECTION	REQUIREMENT	SECTION	REQUIREMENT	1ST FLOOR PROJECT AREA	BASEMENT AREA
OCCUPANT LOAD	TABLE 7.3.1.2	30 GSF/OCCUPANT (COLLABORATION RMS.) TO 150 GSF/OCCUPANT (BUSINESS)		NFPA GOVERNS	116 OCCUPANTS; SEE PROJECT INFO	6 OCCUPANTS; SEE PROJECT INFO
MAXIMUM SIZE OF SPACE/SUITE WITH (1) EXIT	38.2.4.3; 38.2.4.4	DOES NOT APPLY; MULTIPLE EXITS PROVIDED.	TABLE 1006.2.1	49 PERSONS, PROVIDED THE COMMON PATH OF EGRESS <100' FOR <30 OCC. OR 75' FOR >30 OCC.	FOUR (4) EXITS FROM PACT AREA	TWO (2) EXITS FROM MECHANICAL ROOM
NUMBER OF EXITS REQUIRED PER FLOOR/STORY	38.2.4.1(3)	NOT LESS THAN TWO (2) EXITS PER STORY, NOT LESS THAN TWO (2) EXITS ACCESSIBLE FROM EVERY PART OF EVERY STORY		NFPA GOVERNS	FOUR (4) EXITS FROM FIRST FLOOR	TWO (2) EXITS TOTAL
SEPARATION OF EXITS	7.5.1.3.1, 7.5.1.3.2	REMOVED LOCATED, NOT LESS THAN 1/2 THE MAX DIAGONAL DIMENSION OF THE AREA		NFPA GOVERNS	MIN SEPARATION: 65'-8" REQ'D. 98'-2" BETWEEN MOST REMOTE EXITS	42'-5" FT. MIN. REQ'D / 56 FT. PROVIDED
EXIT ACCESS TRAVEL DISTANCE	38.2.6.2, 38.2.6.3	200 FT. (NON-SPRINKLERED); 300 FT. (SPRINKLERED)		NFPA GOVERNS	181'-6" TO EXIT 'E'	141'-6" FROM POINT OF EXIT DIVERGENCE TO RATED STAIR ENCLOSURE. PATH OF EGRESS ON FIRST FLOOR TRAVELS THROUGH EXISTING NON-CONFORMING (UNRATED) CONSTRUCTION; ALTERATIONS OUT OF SCOPE PER VA. TOTAL TRAVEL DISTANCE IS 215'-6".
COMMON PATH OF EGRESS TRAVEL DISTANCE	38.2.5.3.3/38.2.5.3.1	75 FT. (NON-SPRINKLERED); 100 FT. (SPRINKLERED)		NFPA GOVERNS	31 FT. (MAX.)	ALL LOCATIONS IN BASEMENT PROJECT AREA HAVE TWO EXITS AVAILABLE.
DEAD END CORRIDORS OR HALLWAY	38.2.5.2.1	20 FT. (NON-SPRINKLERED); 50 FT. (SPRINKLERED)		NFPA GOVERNS	15'-6" (MAX.)	NONE
MINIMUM WIDTH OF CIRCULATION	7.3.3.1, 7.3.4, 38.2.3.2	44 INCH MINIMUM > 50 OCC; 36 INCH MIN < 50 OCC		NFPA GOVERNS	6 FT.	NO CHANGE TO EXISTING CORRIDORS WITH 6 FT. MIN WIDTH
HORIZONTAL EXITS	TABLE 8.3.3.2.2	2 HOUR WALLS AND PARTITIONS; 1-1/2 HOUR DOOR ASSEMBLIES		NFPA GOVERNS	2 HOUR WALLS AND PARTITIONS; 1-1/2 HOUR DOOR ASSEMBLIES	NO CHANGE TO EXISTING NONCONFORMING. NOT IN CONTRACT PER VA.
DOORS TO EXIT ACCESS CORRIDORS	38.3.6.2, 38.2.2.2, 8.3, 7.2.1	3/4 HOUR		NFPA GOVERNS	3/4 HOUR	NO CHANGE TO EXISTING
DOORS TO EXIT ACCESS CORRIDORS DOOR CLEAR OPENING WIDTH (MIN. REQ'D)	38.2.2.5, 7.2.1.2.3.2	32 INCHES		NFPA GOVERNS	32 INCH MIN.	32 INCH MIN.
DOOR ARRANGEMENT (DOORS IN SERIES)	NO REQUIREMENT	NO REQUIREMENT	1010.1.8	HORIZ DISTANCE BTWN DOORS: 48 INCHES PLUS WIDTH OF DOOR	NONE PROVIDED	NONE PROVIDED
INTERIOR CIRCULATION WIDTH (MIN.)	NO REQUIREMENT	ABAAS RECOMMENDS 6' (VA PG-18-13)		ABAAS GOVERNS	6' MIN PATIENT CIRC, 5' MIN STAFF CIRC	NO PATIENT AREAS IN BASEMENT; 8'-0" PROVIDED
INTERIOR DOOR WIDTH	NO REQUIREMENT	VA PACT DESIGN GUIDE RECOMMENDS 42" FOR PATIENT DOORS	1010.1.1, 1010.1.2.1	32 INCHES CLEAR, SWING IN DIRECTION OF TRAVEL FOR >50 OCCUPANTS	36 INCH DOORS (32" CLEAR) AND 42 INCH DOORS	36 INCH DOORS (32" CLEAR) AND 42 INCH DOORS
SMOKE BARRIER DOORS	38.3.2.1; 8.7.1.1	W/ SMOKE PARTITIONS AT SPRINKLER PROTECTED HAZARDOUS AREAS (GREATER THAN NORMAL HAZARD EXCEPTING ROUTINE OFFICE SUPPLIES)		NFPA GOVERNS	SMOKE BARRIER DOORS WITH SMOKE PARTITIONS	N/A
SMOKE COMPARTMENT SIZE	NO REQUIREMENT FOR BUSINESS OCCUPANCY	NO REQUIREMENT FOR BUSINESS OCCUPANCY		N/A	N/A	N/A
DOORS IN 1-HR RATED WALL	TABLE 8.3.3.2.2	3/4 HOUR		NFPA GOVERNS	3/4 HOUR	3/4 HOUR
DOORS IN 1-1/2 AND 2 HR. RATED WALL	TABLE 8.3.3.2.2	PROVIDE 1-1/2 HR. DOOR AT 2 HOUR WALL		NFPA GOVERNS	NO CHANGE TO EXISTING	NO CHANGE TO EXISTING

**NOTES - CODE AND EGRESS REQUIREMENTS**

NOTE	THOUGH IBC REQUIREMENTS ARE PROVIDED, THEY ARE GENERALLY FOR REFERENCE AND INFORMATION ONLY. PER VHA PROGRAM GUIDE PG-18-3 TOPIC 1, "DESIGNS SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF NFPA 101 AND DOCUMENTS REFERENCED THEREIN. DESIGN FEATURES NOT ADDRESSED BY NFPA 101 OR DOCUMENTS REFERENCED THEREIN SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE IBC OR AS OTHERWISE ADDRESSED ABOVE IN THIS PROGRAM GUIDE. FOR DESIGN FEATURES THAT ARE ADDRESSED BY BOTH THE IBC AS WELL AS NFPA 101 OR A DOCUMENT REFERENCED BY NFPA 101, THE REQUIREMENTS OF NFPA 101 OR THE DOCUMENT REFERENCED BY NFPA 101 SHALL BE USED EXCLUSIVELY (THIS APPLIES EVEN IF THE IBC REQUIREMENTS ARE DIFFERENT)."
EMERGENCY EGRESS ILLUMINATION:	AVERAGE OF 1.0 FOOT CANDLES AT EGRESS PATHS WITH A MINIMUM OF 0.1 CANDLES AT ANY POINT
POWER SUPPLY:	MEANS OF EGRESS ILLUMINATION NORMAL POWER IS TO BE PROVIDED BY PREMISE'S ELECTRICAL SYSTEM.
	A. EGRESS ILLUMINATION: EITHER BATTERIES, SECOND PRIMARY SOURCE OF GENERATOR WITH A MIN. OF A 1 1/2 HOUR DURATION.
	B. EXIT SIGNS: ILLUMINATED AT ALL TIMES, EMERGENCY POWER REQUIRED WITH A 1 1/2 HOUR DURATION

AREA SEPARATION PROTECTION						
APPLICABLE CODE	NFPA 101 (2018)		IBC (2018)		REQ.	PROVIDED
	SECTION	REQUIREMENT	SECTION	REQUIREMENT		
HAZARDOUS AREAS	38.3.2.1; 8.7	SPRINKLERS WITH SMOKE PART'NS & DOORS		NFPA GOVERNS	SPRINKLERS WITH SMOKE PART'NS & DOORS	SPRINKLERS WITH SMOKE PART'NS & DOORS
SHAFT ENCLOSURES	8.6.5	VARIES		NFPA GOVERNS	SEE FIRE RESISTIVE RATINGS	

**FIRE RESISTIVE RATINGS**

BUILDING SPRINKLER SYSTEM: NOT SPRINKLERED (RENOVATED AREAS WILL BE SPRINKLERED)						
USE/OCCUPANCY (FIRE AREA) - BUILDING: BUSINESS OCCUPANCY (NFPA 101 6.1.11)						
USE/OCCUPANCY (FIRE AREA) - PROJECT: NEW BUSINESS OCCUPANCY (NFPA 101 6.1.11)						
APPLICABLE CODE	NFPA 220 (2018) UNO		IBC (2018)		ACTUAL / PROVIDED	
	SECTION	REQUIREMENT	SECTION	REQUIREMENT	EXISTING	NEW
BEARING WALLS: NFPA GOVERNS						
EXTERIOR BEARING WALL	TABLE 4.1.1	2 HOUR		2 HOUR	2 HOUR	2 HOUR
INTERIOR BEARING WALL	TABLE 4.1.1	0 HOUR	TABLE 601	0 HOUR	2 HOUR	N/A
PRIMARY STRUCTURAL FRAME	TABLE 4.1.1	0 HOUR	TABLE 601	0 HOUR	1 HOUR	2 HOUR
NONBEARING WALLS AND PARTITIONS						
EXTERIOR	TABLE 4.1.1	0 HOUR		0 HOUR	0 HOUR	N/A
INTERIOR	TABLE 4.1.1	0 HOUR	TABLE 601	0 HOUR	0 HOUR	0 HOUR OR AS REQ'D FOR AREA PROTECTION
FLOOR CONSTRUCTION	TABLE 4.1.1, 8.6.1	0 HOUR	TABLE 601	0 HOUR	0 HOUR	2 HOUR
ROOF CONSTRUCTION	TABLE 4.1.1	0 HOUR		0 HOUR	0 HOUR	2 HOUR
EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE: IBC GOVERNS PER VA FIRE PROTECTION DESIGN MANUAL, SECTION 2.2.A						
< 5 FEET	IBC GOVERNS		TABLE 602		1 HOUR	NO CHANGE TO EXISTING NONCONFORMING
5 ≤ x < 10 FEET	IBC GOVERNS		TABLE 602		1 HOUR	NO CHANGE TO EXISTING NONCONFORMING
10 ≤ x < 30 FEET	IBC GOVERNS		TABLE 602		0 HOUR	NO CHANGE TO EXISTING
x ≥ 30 FEET	IBC GOVERNS		TABLE 602		0 HOUR	NO CHANGE TO EXISTING
FIRE BARRIER ASSEMBLIES						
BARRIERS/FIRE WALLS/HORIZ ASS'YS BTWN OCCUPANCIES	TABLE 6.1.14.4.1	SINGLE OCCUPANCY TYPE		NFPA GOVERNS	SINGLE OCCUPANCY TYPE	NO CHANGE
EXITS AND ELEVATOR SHAFTS CONNECTING < 4 STORIES	7.1.3.2.1; 8.6.4; 8.6.5 (1)	1 HOUR MIN.		NFPA GOVERNS	1 HR. W/ 45-MIN DOORS AT NORTHEAST STAIR, OTHER STAIRS ASSUMED 2 HR. W/ 1-1/2 HOUR DOORS/SHUTTERS BASED ON EXISTING 1-1/2 HOUR DOOR	NO CHANGE TO EXITS OR ELEVATOR SHAFTS
EXITS AND ALL SHAFTS CONNECTING ≥ 4 STORIES	7.1.3.2.1; 8.6.4; 8.6.5 (1)	2 HOURS MIN.		NFPA GOVERNS	NONE EXISTING	NO CHANGE
SHAFTS CONNECTING < 4 STORIES	7.1.3.2.1; 8.6.4; 8.6.5 (1)	1 HOUR MIN.		NFPA GOVERNS	NO CHANGE	1 HOUR

**FIXTURE REQUIREMENTS**

LEVEL AND OCCUPANCY PER IBC TABLE 2902.1	OCCUPANT LOAD	WATER CLOSET		LAVATORY		DRINKING FOUNTAIN		SERVICE SINK		
		1 PER 25 FOR FIRST 50; 1 PER 50 FOR ADD'L	4 PROVIDED, NOTE 1	1 PER 40 FOR FIRST 80; 1 PER 80 FOR ADD'L	4 PROVIDED, NOTE 1	1 PER 100		1 SERVICE SINK		
FIRST FLOOR PROJECT AREA -	8,534 GSF	116 PERSONS	4 REQ	4 PROVIDED, NOTE 1	3 REQ	4 PROVIDED, NOTE 1	2 REQ	NOTE 2	NO REQ	1 PROVIDED
BASEMENT PROJECT AREA -	2,652 GSF	18 PERSONS	1 REQ	NOTE 3	1 REQ	NOTE 3	1 REQ	NOTE 2	NO REQ	NO NEW
OSHA 1910.141(c)(1)(i)	24 Workstations + 4 Check-In Clerks = 28 Max Employees		2 REQ FOR 16-35 EMPLOYEES		NO REQUIREMENT					

NOTE 1: NUMBER OF FIXTURES PROVIDED DOES NOT INCLUDE FIXTURES DESIGNATED FOR EXAM PURPOSES AND ACCESSED ONLY THROUGH EXAM ROOMS, INCLUDING TOILET ROOMS AND LAVS.  
NOTE 2: WATER FOUNTAINS ARE UNDERSTOOD TO BE LOCATED IN ADEQUATE QTY WITHIN 300' OF PROJECT AREA.  
NOTE 3: TOILET ROOMS WITH LAVATORIES ARE UNDERSTOOD TO BE LOCATED IN ADEQUATE QTY WITHIN 300' OF THE PROJECT AREA.

10/28/2022 - ISSUE FOR 100% CONSTRUCTION DOCUMENTS

ISSUE FOR 100% CONSTRUCTION DOCUMENTS 10/28/22

No. \_\_\_\_\_ REVISION \_\_\_\_\_ DATE \_\_\_\_\_

1 hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Print Name: DENNIS J MIKA  
Signature:   
Date: 10-28-22 License #: 56382

ARCHITECT/ENGINEER OF RECORD

Bancroft Architects + Engineers  
700 Nicholas Blvd, Suite 300  
Elk Grove Village, IL 60007  
T: 847.952.9362  
www.bancroft-ae.com  
BAE PROJECT NO. 18-116

APPROVED PROJECT GSR	DATE: _____	APPROVED SERVICE LINE DIRECTOR	DATE: _____	APPROVED INFECTION CONTROL NURSE	DATE: _____	DRAWING TITLE: GENERAL - CODE AND BUILDING INFORMATION	PROJECT TITLE: CONSTRUCT PACT CLINIC BUILDING 4 FIRST FLOOR	DATE: 10/28/22
APPROVED GEMS PROJECT MANAGER	DATE: _____	APPROVED PATIENT SAFETY	DATE: _____	APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE: _____	PROJECT NO.: 656-400	PROJECT SCALE: _____	DATE: _____
APPROVED PROJECTS SECTION MANAGER	DATE: _____	APPROVED CHIEF OF POLICE	DATE: _____	APPROVED CHIEF OF STAFF	DATE: _____	BUILDING NO. 4	CHECKED BY: JMR	DRAWING NO. G004
APPROVED DIRECTOR PMS	DATE: _____	APPROVED SAFETY MANAGER	DATE: _____	APPROVED HEALTH CARE SYSTEM DIRECTOR	DATE: _____	LOCATION: ST. CLOUD VAHCS ST. CLOUD, MN 56303	DWG. OF	

U.S. Department of Veterans Affairs  
Veterans Health Administration  
St. Cloud VA Health Care System





**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.

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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 BE SURE TO MAINTAIN ADEQUATE AND SAFE EMERGENCY MEANS OF EGRESS FROM ALL AREAS.

- GREAT CARE SHALL BE TAKEN WHEN PERFORMING SELECTIVE DEMOLITION IN THE UTILIZATION OF MORE SENSITIVE AND LESS INVASIVE 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.
- 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, TACKLESS 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.
- 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 STATION'S CAMPUS AS DIRECTED BY THE VA/COR.
- 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.
- 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.
- 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 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 AREA (TBD). EACH ITEM SHALL BE FULLY CLEANED, FREE FROM DAMAGE, PREPARED FOR SERVICE AND FULLY TESTED TO VERIFY ITS ABILITY FOR PROPER FUNCTIONAL REUSE.
- 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.
- 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 MAINTAIN 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.
- 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.

- 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.
- 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.
- 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.
- 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.
- ALL NEW WORK ALONG WITH ANY PORTIONS OF EXISTING EQUIPMENT, MATERIALS OR REWORKED ELEMENTS WHEN COMPLETED SHALL FULLY COMPLY WITH ALL BASIS OF DESIGN REQUIREMENTS.
- 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.
- THE GENERAL/PRIME CONTRACTOR IS RESPONSIBLE FOR THE PATCH, REPAIR, REFINISHING AND/OR REPLACEMENT OF ALL CONSTRUCTION, MATERIALS, ASSEMBLIES, EQUIPMENT, SIGNAGE AND FINISHES DAMAGED BY THE PROJECT DEMOLITION, TEMPORARY CONSTRUCTION, NEW CONSTRUCTION OR THE MOVEMENT OF PERSONNEL, TOOLS, EQUIPMENT, MATERIALS, ETC. BOTH INSIDE AND OUTSIDE OF THE DESIGNATED AREAS OF WORK.
- PROVIDE THE CUTTING AND PATCHING FOR ALL DEMOLITION WORK AND ALL NEW CONSTRUCTION WORK BEING PERFORMED OUTSIDE OF THE PROJECT LIMIT LINES AS REQUIRED TO PROPERLY COMPLETE THE PROJECT SCOPE OF WORK.
- ALL CUTTING, CORING AND DRILLING OF EXISTING CONCRETE AND MASONRY CONSTRUCTION SHALL NOT DAMAGE EXISTING REINFORCING STEEL, PIPING, CONDUITS OR OTHER CONCEALED CONSTRUCTION WITHIN. PRIOR TO CORING, DRILLING, CUTTING OR PERFORMING ANY BREAKING EFFORTS, PROVIDE PENETRATING FIELD X-RAYING OF THE INTENDED AREAS AND DOCUMENT THE EXACT SIZE AND LOCATIONS OF ALL SUCH INTERFERENCES. COORDINATE WITH AND OBTAIN VA/COR APPROVAL BEFORE PROCEEDING WITH ANY SUCH REQUIRED PENETRATIONS WORK.
- 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.
- SEE DRAWING AD100 FOR DEMOLITION COORDINATION NOTES AND DEMOLITION KEY NOTES.

**10/28/2022 - ISSUE FOR 100 % CONSTRUCTION DOCUMENTS**

No.	REVISION	DATE
ISSUE FOR 100% CONSTRUCTION DOCUMENTS		10/28/22

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Print Name: DENNIS J MIKA  
 Signature: [Signature]  
 Date: 10-28-22 License # 56382

ARCHITECT/ENGINEER OF RECORD

700 Nicholas Blvd, Suite 300  
 Elk Grove Village, IL 60007  
 T: 847.952.9362  
 www.baneroff-ae.com  
 BAE PROJECT NO. 18-116

APPROVED PROJECT COR	DATE	APPROVED SERVICE LINE DIRECTOR	DATE	APPROVED INFECTION CONTROL NURSE	DATE
APPROVED GENS PROJECT MANAGER	DATE	APPROVED PATIENT SAFETY	DATE	APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE
APPROVED PROJECTS SECTION MANAGER	DATE	APPROVED CHIEF OF POLICE	DATE	APPROVED CHIEF OF STAFF	DATE
APPROVED DIRECTOR PHO	DATE	APPROVED SAFETY MANAGER	DATE	APPROVED HEALTH CARE SYSTEM DIRECTOR	DATE

DRAWING TITLE <b>GENERAL - DEMOLITION NOTES</b>	PROJECT TITLE CONSTRUCT PACT CLINIC BUILDING 4 FIRST FLOOR	DATE 10/28/22
DATE	PROJECT NO. 656-400	PLOT SCALE
BUILDING NO. 4	CHECKED BY DA	DRAWN LC
	LOCATION ST. CLOUD VAHCS ST. CLOUD, MN 56303	DWG. NO. G1003



**U.S. Department of Veterans Affairs**  
 Veterans Health Administration  
 St. Cloud VA Health Care System

SYMBOLS LIST			
	WALL MOUNTED FIRE EXTINGUISHER		AREA NOT IN CONTRACT
	EXIT SIGN		EGRESS PATH AND DISTANCE
	FIRE EXTINGUISHER CABINET (FEC)		

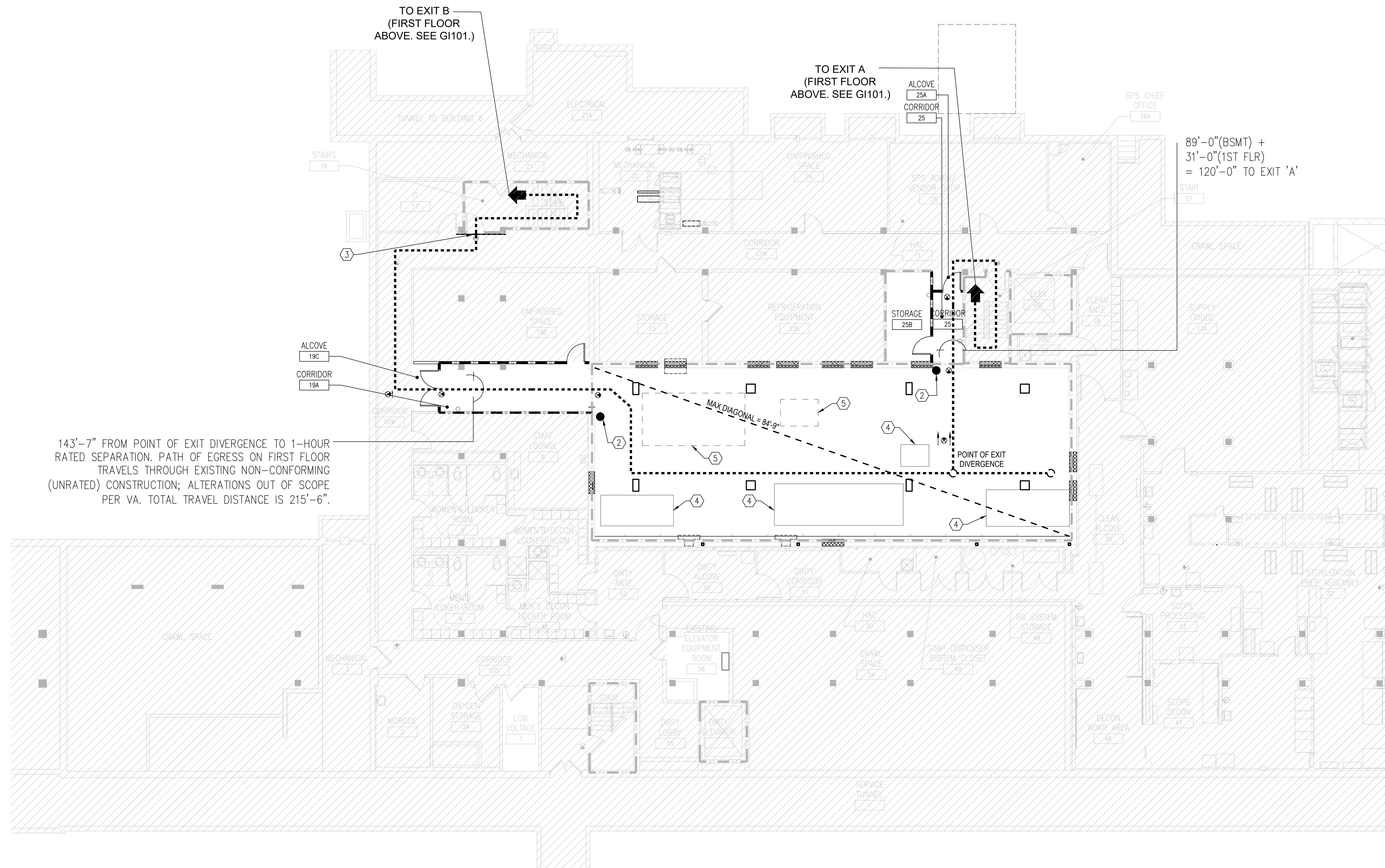
EXIT REQUIREMENTS	
MECHANICAL	
AREA:	2,652 SF
OCC. LOAD FACTOR:	150 SF
EXITS REQ'D.:	2
OCCUPANCY LOAD:	18
EXITS PROVIDED:	2

TRAVEL DISTANCE LIMIT	
DEAD END CORRIDORS MAX	50'
COMMON PATH TRAVEL DISTANCE MAX	100'
EXIT TRAVEL DISTANCE MAX	200'

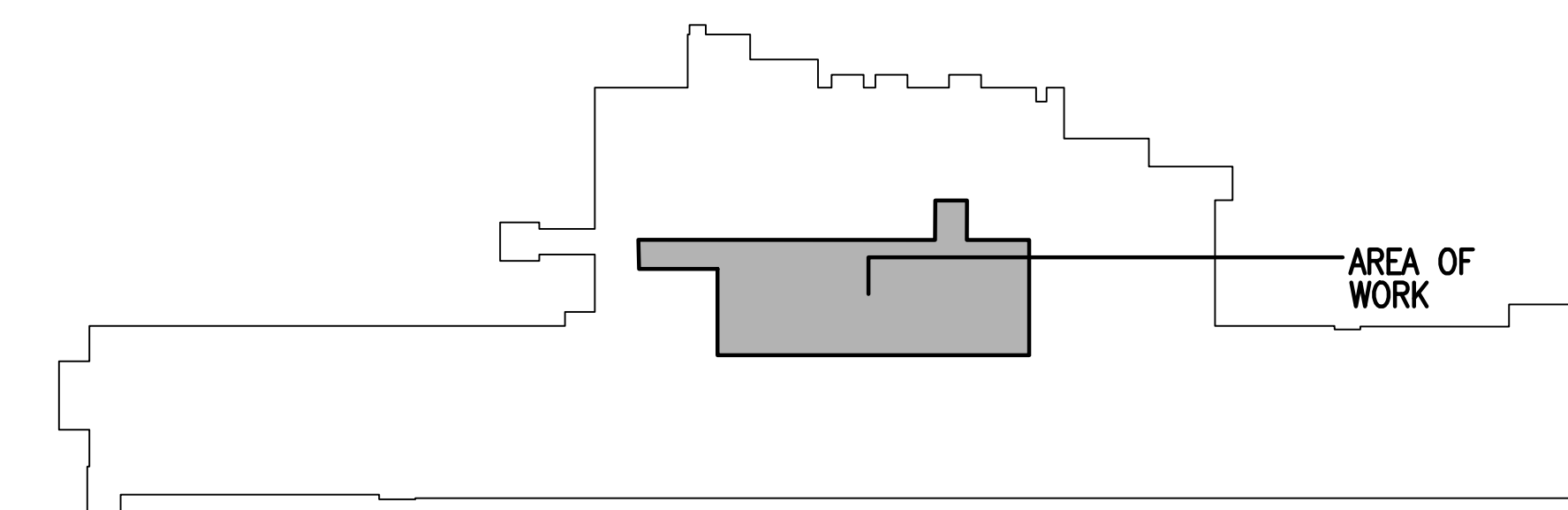
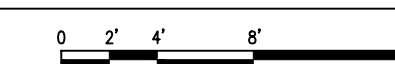
LIFE SAFETY PLAN KEY NOTES	
NOTE: NOT ALL KEY NOTES ARE USED FOR EACH DRAWING. KEY NOTES ARE APPLICABLE TO SEVERAL SHEETS.	
1.	FIRE EXTINGUISHER IN CABINET
2.	WALL MOUNTED FIRE EXTINGUISHER.
3.	1-HR RATED ENCLOSURE WALL CONSTRUCTED UNDER A SEPARATE PRECEDING CONTRACT.
4.	CONCRETE EQUIPMENT PAD.
5.	FUTURE EQUIPMENT PAD.

NOTE: REFER TO SHEETS G003 AND G004 FOR CODE AND BUILDING INFORMATION.	
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RATED PARTITION LEGEND	
	SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
	1-HOUR FIRE/SMOKE BARRIER
	2-HOUR FIRE/SMOKE BARRIER
	SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE (EXISTING)
	1-HOUR FIRE/SMOKE BARRIER (EXISTING)
	2-HOUR FIRE/SMOKE BARRIER (EXISTING)



1 GENERAL - LIFE SAFETY PLAN - BASEMENT  
1/8"=1'-0"



KEY PLAN BUILDING 4  
NTS

10/28/2022 - ISSUE FOR 100% CONSTRUCTION DOCUMENTS

No.	REVISION	DATE

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Print Name: DENNIS J MIKA  
Signature:   
Date: 10-28-22 License #: 56382

ARCHITECT/ENGINEER OF RECORD

BANCROFT ARCHITECTS + ENGINEERS

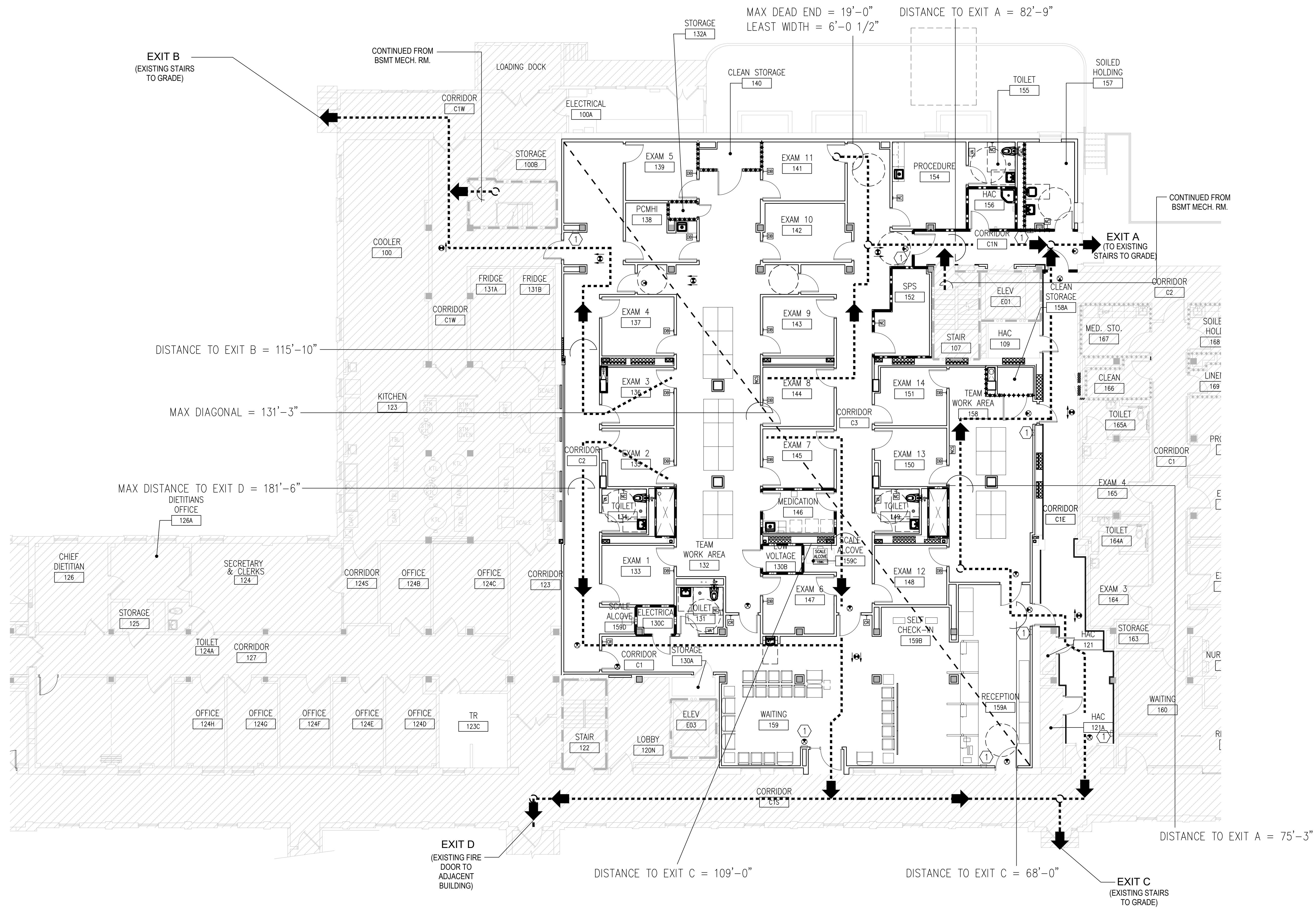
700 Nicholas Blvd, Suite 300  
Elk Grove Village, IL 60007  
T: 847.952.9362  
www.bancroft-ae.com  
BAE PROJECT NO. 18-116

APPROVED PROJECT GDR	DATE:	APPROVED SERVICE LINE DIRECTOR	DATE:	APPROVED INFECTION CONTROL NURSE	DATE:
APPROVED GEN'S PROJECT MANAGER	DATE:	APPROVED PATIENT SAFETY	DATE:	APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE:
APPROVED PROJECTS SECTION MANAGER	DATE:	APPROVED CHIEF OF POLICE	DATE:	APPROVED CHIEF OF STAFF	DATE:
APPROVED DIRECTOR PMS	DATE:	APPROVED SAFETY MANAGER	DATE:	APPROVED HEALTH CARE SYSTEM DIRECTOR	DATE:

DRAWING TITLE GENERAL - LIFE SAFETY PLAN - BASEMENT		PROJECT TITLE CONSTRUCT PACT CLINIC BUILDING 4 FIRST FLOOR		DATE 10/28/22	
APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR		BUILDING NO. 4		PROJECT NO. 656-400	
APPROVED CHIEF OF STAFF		CHECKED BY DA		DRAWING NO. G1100	
APPROVED HEALTH CARE SYSTEM DIRECTOR		LOCATION ST. CLOUD VAHCS ST. CLOUD, MN 56303		DWG. OF	







SYMBOLS LIST			
	WALL MOUNTED FIRE EXTINGUISHER		AREA NOT IN CONTRACT
	EXIT SIGN		EGRESS PATH AND DISTANCE
	FIRE EXTINGUISHER CABINET (FEC)		

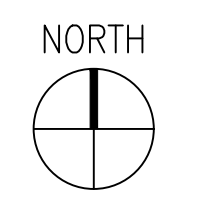
EXIT REQUIREMENTS	
FIRST FLOOR PROJECT AREA	
AREA:	8,534 SF
OCC. LOAD FACTOR:	SEE G003/G004
EXITS REQ'D:	2 FROM PACT AREA
OCCUPANCY:	BUSINESS
OCCUPANCY LOAD:	116
EXITS PROVIDED:	4

TRAVEL DISTANCE LIMIT
DEAD END CORRIDORS MAX 50' ALLOWABLE
COMMON PATH TRAVEL DISTANCE MAX 100' ALLOWABLE
EXIT TRAVEL DISTANCE MAX 200' ALLOWABLE

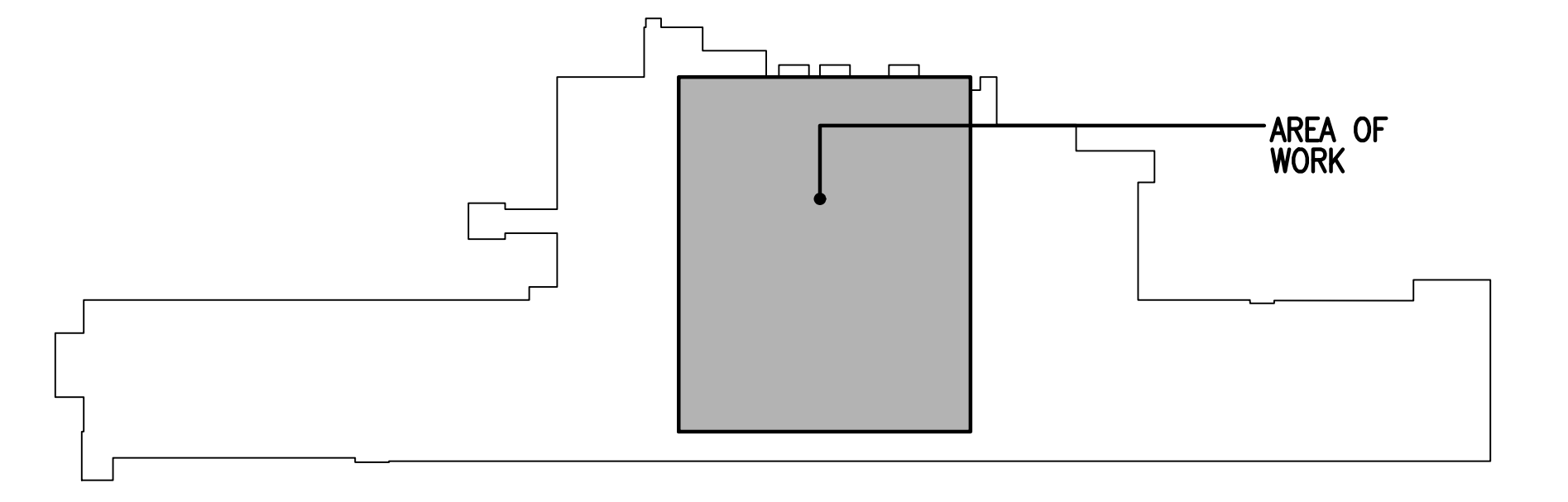
LIFE SAFETY PLAN KEY NOTES
NOTE: NOT ALL KEY NOTES ARE USED FOR EACH DRAWING. KEY NOTES ARE APPLICABLE TO SEVERAL SHEETS.
1. FIRE EXTINGUISHER IN CABINET
2. WALL MOUNTED FIRE EXTINGUISHER
3. 1-HR RATED ENCLOSURE WALL CONSTRUCTED UNDER A SEPARATE PRECEDING CONTRACT.
4. CONCRETE EQUIPMENT PAD.
5. FUTURE EQUIPMENT PAD.

NOTE: REFER TO SHEETS G003 AND G004 FOR CODE AND BUILDING INFORMATION.

RATED PARTITION LEGEND	
	SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
	1-HOUR FIRE/SMOKE BARRIER
	2-HOUR FIRE/SMOKE BARRIER
	SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE (EXISTING)
	1-HOUR FIRE/SMOKE BARRIER (EXISTING)
	2-HOUR FIRE/SMOKE BARRIER (EXISTING)



**1 GENERAL - LIFE SAFETY PLAN - FIRST FLOOR**  
1/8"=1'-0"



**KEY PLAN BUILDING 4**  
NTS

10/28/2022 - ISSUE FOR 100% CONSTRUCTION DOCUMENTS

No	REVISION	DATE

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Print Name: **DENNIS J MIKA**  
Signature:   
Date: 10-28-22 License # 56382

ARCHITECT/ENGINEER OF RECORD

BANCROFT ARCHITECTS + ENGINEERS  
700 Nicholas Blvd, Suite 300  
Elk Grove Village, IL 60007  
T: 847.952.9362  
www.bancroft-ae.com  
BAE PROJECT NO: 18-116

APPROVED PROJECT GDR	DATE	APPROVED SERVICE LINE DIRECTOR	DATE	APPROVED INFECTION CONTROL NURSE	DATE

DRAWING TITLE	DATE	PROJECT TITLE	DATE	BUILDING NO	CHECKED BY	DRAWN	DRAWING NO.
GENERAL - LIFE SAFETY PLAN - FIRST FLOOR	10/28/22	CONSTRUCT PACT CLINIC BUILDING 4 FIRST FLOOR	10/28/22	4	DA	LC	G101
APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR							
APPROVED CHIEF OF STAFF							
APPROVED HEALTH CARE SYSTEM DIRECTOR							

**VA**

U.S. Department of Veterans Affairs  
Veterans Health Administration  
St. Cloud VA Health Care System

# PATIENT RISK GROUPS

LOW RISK	MEDIUM RISK	HIGH RISK	HIGHEST RISK
<ul style="list-style-type: none"> <li>PUBLIC HALLWAYS AND GATHERING AREAS NOT ON CLINICAL UNITS.</li> <li>OFFICE AREAS NOT ON CLINICAL UNITS.</li> <li>BREAKROOMS NOT ON CLINICAL UNITS.</li> <li>BATHROOMS OR LOCKER ROOMS NOT ON CLINICAL UNITS.</li> <li>MECHANICAL ROOMS NOT ON CLINICAL UNITS.</li> <li>EVS CLOSETS NOT ON CLINICAL UNITS</li> </ul>	<ul style="list-style-type: none"> <li>WAITING AREAS</li> <li>CLINICAL ENGINEERING</li> <li>MATERIALS MANAGEMENT</li> <li>STERILE PROCESSING DEPARTMENT – DIRTY SIDE</li> <li>KITCHEN, CAFETERIA, GIFT SHOP, COFFEE SHOP, AND FOOD KIOSKS</li> </ul>	<ul style="list-style-type: none"> <li>PATIENT CARE ROOMS AND AREAS</li> <li>ALL ACUTE CARE UNITS</li> <li>EMERGENCY DEPARTMENT</li> <li>EMPLOYEE HEALTH</li> <li>PHARMACY – GENERAL WORK ZONE</li> <li>MEDICATION ROOMS AND CLEAN UTILITY ROOMS</li> <li>IMAGING SUITES: DIAGNOSTIC IMAGING</li> <li>LABORATORY</li> </ul>	<ul style="list-style-type: none"> <li>ALL TRANSPLANT AND INTENSIVE CARE UNITS</li> <li>ALL ONCOLOGY UNITS</li> <li>OR THEATERS AND RESTRICTED AREAS</li> <li>PROCEDURAL SUITES</li> <li>PHARMACY COMPOUNDING</li> <li>STERILE PROCESSING DEPARTMENT – CLEAN SIDE</li> <li>TRANSFUSION SERVICES</li> <li>DEDICATED ISOLATION WARDS/UNITS</li> <li>IMAGING SUITES: INVASIVE IMAGING</li> </ul>

## INFECTION CONTROL RISK ASSESSMENT (ICRA) MATRIX OF PRECAUTIONS FOR CONSTRUCTION AND RENOVATION

<b>TYPE A</b>	<p><b>INSPECTION AND NON-INVASIVE ACTIVITIES</b></p> <p>INCLUDES, BUT IS NOT LIMITED TO:</p> <ul style="list-style-type: none"> <li>REMOVAL OF CEILING TILE FOR VISUAL INSPECTION—LIMITED TO 1 TILE PER 50 SQUARE FEET WITH LIMITED EXPOSURE TIME.</li> <li>LIMITED BUILDING SYSTEM MAINTENANCE (E.G., PNEUMATIC TUBE STATION, HVAC SYSTEM, FIRE SUPPRESSION SYSTEM, ELECTRICAL AND CARPENTRY WORK TO INCLUDE PAINTING WITHOUT SANDING) THAT DOES NOT CREATE DUST OR DEBRIS.</li> <li>CLEAN PLUMBING ACTIVITY LIMITED IN NATURE.</li> </ul>
<b>TYPE B</b>	<p><b>SMALL SCALE, SHORT DURATION ACTIVITIES WHICH CREATES MINIMAL DUST AND DEBRIS</b></p> <p>INCLUDES, BUT IS NOT LIMITED TO:</p> <ul style="list-style-type: none"> <li>WORK CONDUCTED ABOVE THE CEILING (E.G., PROLONGED INSPECTION OR REPAIR OF FIREWALLS AND BARRIERS, INSTALLATION OF CONDUIT AND/OR CABLING, AND ACCESS TO MECHANICAL AND/OR ELECTRICAL CHASE SPACES).</li> <li>FAN SHUTDOWN/STARTUP.</li> <li>INSTALLATION OF ELECTRICAL DEVICES OR NEW FLOORING THAT PRODUCES MINIMAL DUST AND DEBRIS.</li> <li>THE REMOVAL OF DRYWALL WHERE MINIMAL DUST AND DEBRIS IS CREATED.</li> <li>CONTROLLED SANDING ACTIVITIES (E.G., WET OR DRY SANDING) THAT PRODUCE MINIMAL DUST AND DEBRIS.</li> </ul>
<b>TYPE C</b>	<p><b>LARGE-SCALE, LONGER DURATION ACTIVITIES THAT CREATE A MODERATE AMOUNT OF DUST AND DEBRIS</b></p> <p>INCLUDES, BUT IS NOT LIMITED TO:</p> <ul style="list-style-type: none"> <li>REMOVAL OF PREEXISTING FLOOR COVERING, WALLS, CASEWORK OR OTHER BUILDING COMPONENTS.</li> <li>NEW DRYWALL PLACEMENT.</li> <li>RENOVATION WORK IN A SINGLE ROOM.</li> <li>NONEXISTING CABLE PATHWAY OR INVASIVE ELECTRICAL WORK ABOVE CEILINGS.</li> <li>THE REMOVAL OF DRYWALL WHERE A MODERATE AMOUNT OF DUST AND DEBRIS IS CREATED.</li> <li>DRY SANDING WHERE A MODERATE AMOUNT OF DUST AND DEBRIS IS CREATED.</li> <li>WORK CREATING SIGNIFICANT VIBRATION AND/OR NOISE.</li> <li>ANY ACTIVITY THAT CANNOT BE COMPLETED IN A SINGLE WORK SHIFT.</li> </ul>
<b>TYPE D</b>	<p><b>MAJOR DEMOLITION AND CONSTRUCTION PROJECTS</b></p> <p>INCLUDES, BUT IS NOT LIMITED TO:</p> <ul style="list-style-type: none"> <li>REMOVAL OR REPLACEMENT OF BUILDING SYSTEM COMPONENT(S).</li> <li>REMOVAL/INSTALLATION OF DRYWALL PARTITIONS.</li> <li>INVASIVE LARGE-SCALE NEW BUILDING CONSTRUCTION.</li> <li>RENOVATION WORK IN TWO OR MORE ROOMS.</li> </ul>

## INFECTION CONTROL REQUIRED BY ALL CLASSES

- MAINTAIN FOR REVIEW SIGNATURE RECORD OF ALL ONSITE CONSTRUCTION WORKERS FOR FIRE AND LIFE SAFETY TRAINING.
- MAINTAIN FOR REVIEW INFECTION PREVENTION AND CONSTRUCTION SAFETY CHECKLISTS.
- MAINTAIN MANPOWER AND EQUIPMENT, INCLUDING DUST MOPS, WET MOPS, BROOMS, BUCKETS AND CLEAN WIPING RAGS, FOR CLEANING FINE DUST FROM FLOORS WITHIN THE WORK AREA AND (WHEN APPROPRIATE) ADJACENT OCCUPIED AREAS.
- CLEAN UP DUST TRACKED OUTSIDE OF CONSTRUCTION AREA IMMEDIATELY.
- TEMPORARY CONSTRUCTION BARRIERS AND CLOSURES ABOVE CEILING MUST BE SEALED AS DESCRIBED IN No. 4 ABOVE.
- REMOVAL OF DEBRIS MUST BE IN COVERED CONTAINERS.
- FOR JOBS THAT CREATE DUST IN ROOM MADE NEGATIVE BY USE OF HEPA-EQUIPPED UNIT WITH MINIMUM 10 ACH, HEPA UNIT MUST RUN 2 HOURS AFTER COMPLETION OF JOB AND ROOM MUST BE CLEANED BEFORE UNIT IS REMOVED FROM ROOM. ALL WORK AND USE OF HEPA UNIT MUST BE DOCUMENTED WITH A DOCUMENT COPY FORWARDED TO INFECTION PREVENTION AND CONTROL, AS WELL AS, HOUSEKEEPING.
- ALL DUCTS VENTS AND FAN COIL UNITS MUST BE SEALED OFF DURING CONSTRUCTION.
- ALL WATER LINES INACTIVATED FOR GREATER THAN 72 HOURS MUST BE THOROUGHLY FLUSHED. NEW PIPING WILL BE FLUSHED AND DISINFECTED PRIOR TO USE.

## ADDITIONAL REQUIREMENTS

- GENERAL CONTRACTOR SHALL SUBMIT TO THE VA C.O.R COPY OF EMERGENCY PROCEDURES TO BE POSTED.
- GENERAL CONTRACTOR SHALL POST PCRA AND APPROPRIATE CONSTRUCTION SIGNAGE IDENTIFYING LIMITED ACCESS AND PROPER PPE IN ICRA AREA.
- GENERAL CONTRACTOR SHALL NOTIFY ST CLOUD VAHCS, C.O., C.O.R. POLICE AND SAFETY OFFICE IF A FEDERAL OR STATE REGULATOR ARRIVES ON SITE TO INSPECT JOBSITE.
- NO EATING, DRINKING OR SMOKING ON THE JOBSITE.
- ALL PERSONNEL ENTERING THE JOBSITE MUST WEAR A HARD HAT AND SAFETY GLASSES ALONG WITH ANY PPE REQUIRED IN THAT AREA.
- ALL APPLICABLE FORMS REQUIRED BY ST CLOUD VAHCS ARE TO BE APPROVED PRIOR TO START OF WORK.
- NEGATIVE PRESSURE HEPA UNITS ARE TO BE MAINTAINED WITH FILTER(S) REPLACED PER SPECIFICATIONS.
- CLEAN ALL EXTERIOR SURFACES OF CARTS AND TOOLS AT THE END OF EACH SHIFT.
- MONITOR NEGATIVE PRESSURE AND POST LOG AT END OF EACH SHIFT.
- DURING CONSTRUCTION GENERAL CONTRACTOR SHALL MAKE CERTAIN THAT:
  - BARRIERS ARE INTACT AND MAINTAINED.
  - NEGATIVE INDICATOR IS AVAILABLE—VALIDATE PRESSURE.
  - ALL ICRA REQUIREMENTS IDENTIFIED ARE MAINTAINED.

## IC MATRIX - CLASS OF PRECAUTIONS: CONSTRUCTION PROJECT BY PATIENT RISK CONSTRUCTION PROJECT TYPE

RISK RELATED GROUP	TYPE A	TYPE B	TYPE C	TYPE D
LOW RISK GROUP	I	II	II	III/ IV
MEDIUM RISK GROUP	I	II	III	IV
HIGH RISK GROUP	I	III	IV	V
HIGHEST RISK GROUP	III	IV	V	V

**NOTE:**  
INFECTION CONTROL PERMIT AND APPROVAL WILL BE REQUIRED WHEN CLASS OF PRECAUTIONS III (TYPE C) AND ALL CLASS OF PRECAUTIONS IV AND V ARE NECESSARY.

ENVIRONMENTAL CONDITIONS THAT COULD AFFECT HUMAN HEALTH, SUCH AS SEWAGE, MOLD, ASBESTOS, GRAY WATER AND BLACK WATER WILL REQUIRE CLASS OF PRECAUTIONS IV FOR LOW AND MEDIUM RISK GROUPS AND CLASS OF PRECAUTIONS V FOR HIGH AND HIGHEST RISK GROUPS

## INFECTION CONTROL - GENERAL NOTES

- PROJECT 656-400 IS IDENTIFIED AS A CLASS V RISK GROUP. REFER TO SPECIFICATIONS SECTION 01-35-26 SAFETY REQUIREMENTS, CHAPTER 1.12 INFECTION CONTROL FOR ADDITIONAL INFORMATION.
- IDENTIFIED ICRA IS FOR THE CONSTRUCTION SITE PROPER. ANY CONSTRUCTION ACTIVITY OUTSIDE OF THE IDENTIFIED CONSTRUCTION BARRIER WILL REQUIRE A SEPARATE ICRA PERMIT WITH ADDITIONAL ICRA PROTECTION MEASURES. CONTRACTOR SHALL PRE-PLAN AND INCLUDE COSTS FOR ALL ICRA CONTAINMENTS NOT DETAILED ON THE PLAN. CONTRACTOR SHALL USE THE ICRA PERMIT MATRIX AS A PERFORMANCE REQUIREMENT.
- HVAC CONNECTIONS TO EXISTING SYSTEM TO BE DISCONNECTED DURING DEMOLITION & CONSTRUCTION.
- GC TO SUPPLY NEGATIVE PRESSURE MACHINE(S) OF SUFFICIENT SIZE & QUANTITY TO ADEQUATELY MAINTAIN A CONSISTENT NEGATIVE PRESSURE DIFFERENTIAL IN CONSTRUCTION AREAS RELATIVE TO ADJACENT AREAS.
- ALL AREAS OF NEGATIVE AIR WILL BE MONITORED BY TRIATEK MONITOR PER VA GUIDELINES.
- CONTRACTOR WILL VERIFY AND TEST NEGATIVE AIR FLOW.
- CONTRACTOR TO MAINTAIN A NEGATIVE AIR PRESSURE LOG.
- CONSTRUCTION BARRIER TEMPORARY PARTITION DETAILS TO FOLLOW PROTOTYPE DETAILS ON SHEET G1401.
- CONTRACTOR SHALL PROVIDE A TEMPORARY ANTE ROOM FOR DUST CONTAINMENT AT ALL CONSTRUCTION AREA ENTRANCE POINTS. SEE SHEET G1401 FOR ADDITIONAL INFORMATION.
- G.C. SHALL PROVIDE TEMPORARY CONSTRUCTION DOOR UNITS.
  - HOLLOW METAL DOORS & FRAMES PAINTED PER VA STANDARDS.
  - 45 MINUTE FIRE-RESISTANCE RATING AS REQUIRED FOR OPENINGS IN 1 HR FIRE-RATED WALL ASSEMBLIES.
  - INCLUDE BUTT HINGES, CLOSERS, & LOCKSETS, HINGES NECESSARY TO MAINTAIN OPENING RATING.
- ALL TEMPORARY CONSTRUCTION DOORS ACCESSING CONSTRUCTION WORK ZONE FROM EXISTING ADJACENT SPACES TO BE EQUIPPED WITH "BEST" 7-PIN TE REMOVEABLE CORE.
- ALL CONSTRUCTION ENTRANCES TO BE PROPERLY LABELED TO COMPLY WITH VA AND OSHA REQUIREMENTS.
- CONTRACTOR TO PROVIDE WALK-OFF STICKY MATS (24" x 36" MINIMUM SIZE) AND CHANGE THEM AS SPECIFIED AT EACH ENTRANCE POINT.
- CONTRACTOR TO PROVIDE HAND SANITIZERS AT ALL ENTRANCE/EXIT POINTS ON CONSTRUCTION SIDE.
- CONTRACTOR TO SUPPLY SPILL KIT (TO INCLUDE SHOP VAC AND MULTI PURPOSE SPILL CONTROL SORBENTS) TO ABSORB NON AGGRESSIVE LIQUIDS UP TO 30 GALLONS.
- ALL NEW CONSTRUCTION MATERIALS, TOOLS AND EQUIPMENT PASSING THROUGH ADJACENT SPACES TO BE COVERED WITH 4 MIL POLY SHEETS.
- THE CONTRACTOR SHALL NOT BLOCK OR HINDER THE USE OF THE BUILDINGS BY PATIENTS, STAFF & VISITORS.
- ALL MATERIALS AND EQUIPMENT MUST BE PROPERLY STORED IN DESIGNATED AREAS.
- ALL DEBRIS AND GARBAGE THAT IS TO BE REMOVED THROUGH ADJACENT SPACES MUST BE CONTAINED IN CONTAINERS DESIGNED FOR THAT PURPOSE AND MUST BE TIGHTLY COVERED WITH A FULL COVER/ LID.
- FLAMMABLE MATERIALS MAY NOT BE STORED IN BUILDINGS.
- SEAL/FIRESTOP ALL OPENINGS IN EXISTING SMOKE BARRIER WALLS AND EXISTING RATED FLOORS. FIELD VERIFY CONDITION OF WALLS ABOVE FINISH CEILINGS AND FLOORS PRIOR TO CONSTRUCTION. IN ADDITION, SEAL/ FIRESTOP ALL EXPOSED CONDUIT AND PIPING.
- COORDINATE DEBRIS REMOVAL WITH POSTED TIMES FOR ELEVATOR AVAILABILITY. ALL DEBRIS REMOVAL TO BE VIA DESIGNATED ELEVATOR ONLY.

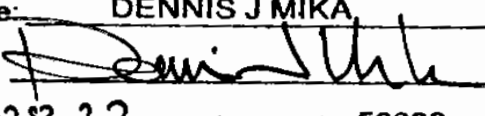
## DESCRIPTION OF REQUIRED INFECTION CONTROL PRECAUTIONS FOR CLASS V

DURING CONSTRUCTION PROJECT	PERFORMED UPON COMPLETION OF WORK ACTIVITY
<ol style="list-style-type: none"> <li>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>ALL (PLASTIC OR HARD) BARRIER CONSTRUCTION ACTIVITIES MUST BE COMPLETED IN A MANNER THAT PREVENTS DUST RELEASE. PLASTIC BARRIERS MUST BE EFFECTIVELY AFFIXED TO GROUND AND CEILING AND SECURE FROM MOVEMENT OR DAMAGE. APPLY TAPE THAT WILL NOT LEAVE A RESIDUE TO SEAL GAPS BETWEEN BARRIERS, CEILING OR FLOOR.</li> <li>SEAL ALL PENETRATIONS IN CONSTRUCTION SITE, CONTAINMENT BARRIERS, ANTEROOM BARRIERS, INCLUDING FLOORS AND CEILING USING APPROVED MATERIALS (UL SCHEDULE FIRESTOP IF APPLICABLE FOR BARRIER TYPE) AND IN CONSTRUCTION SITE.</li> <li>CONSTRUCT ANTEROOM LARGE ENOUGH FOR EQUIPMENT STAGING, CART CLEANING, WORKERS. THE ANTEROOM MUST BE CONSTRUCTED ADJACENT TO ENTRANCE OF CONSTRUCTION WORK AREA.</li> <li>PERSONNEL WILL BE REQUIRED TO WEAR COVERALLS AT ALL TIMES DURING CLASS V WORK ACTIVITIES. COVERALLS MUST BE REMOVED BEFORE LEAVING THE ANTEROOM.</li> <li>REMOVE OR ISOLATE RETURN AIR DIFFUSERS TO AVOID DUST ENTERING THE HVAC SYSTEM.</li> <li>REMOVE OR ISOLATE THE SUPPLY AIR DIFFUSERS TO AVOID POSITIVE PRESSURIZATION OF THE SPACE.</li> <li>NEGATIVE AIRFLOW PATTERN MUST BE MAINTAINED FROM THE ENTRY POINT TO THE ANTEROOM AND INTO THE CONSTRUCTION AREA. THE AIRFLOW MUST CASCADE FROM OUTSIDE TO INSIDE THE CONSTRUCTION AREA. THE ENTIRE CONSTRUCTION AREA MUST REMAIN NEGATIVELY PRESSURIZED.</li> <li>MAINTAIN NEGATIVE PRESSURIZATION OF THE ENTIRE WORKSPACE USING HEPA EXHAUST AIR SYSTEMS DIRECTED OUTDOORS. EXHAUST DISCHARGED DIRECTLY TO THE OUTDOORS THAT IS 25 FEET OR GREATER FROM ENTRANCES, AIR INTAKES AND WINDOWS DOES NOT REQUIRE HEPA-FILTERED AIR.</li> <li>EXHAUST INTO SHARED OR RE-CIRCULATING HVAC SYSTEMS OR OTHER SHARED EXHAUST SYSTEMS(BATHROOM EXHAUST) IS NOT ACCEPTABLE.</li> </ol>	<ol style="list-style-type: none"> <li>INSTALL DEVICE (E.G., MAGNEHELIC, MANOMETER, OR DIGITAL MONITORING) ON EXTERIOR OF WORK CONTAINMENT TO CONTINUALLY MONITOR NEGATIVE PRESSURIZATION. THE "BALL IN THE WALL" OR SIMILAR APPARATUS ARE NOT ACCEPTABLE.</li> <li>CONTAIN ALL TRASH AND DEBRIS IN THE WORK AREA.</li> <li>ALL PERSONNEL ENTERING THE WORK SITE ARE REQUIRED TO WEAR SHOE COVERS. SHOE COVERS MUST BE CHANGED EACH TIME PERSONNEL EXITS THE WORK AREA.</li> <li>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.</li> <li>WORKER CLOTHING MUST BE CLEAN AND FREE OF VISIBLE DUST BEFORE LEAVING THE WORK AREA ANTEROOM.</li> <li>WORKERS MUST WEAR SHOE COVERS PRIOR TO ENTRY INTO THE WORK AREA. SHOE COVERS MUST BE CHANGED PRIOR TO EXITING THE ANTEROOM TO THE OCCUPIED SPACE (NON-WORK AREA). DAMAGED SHOE COVERS MUST BE IMMEDIATELY CHANGED.</li> <li>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.</li> <li>CONSIDER COLLECTION OF PARTICULATE DATA DURING WORK TO MONITOR AND ENSURE THAT CONTAMINATES DO NOT ENTER THE OCCUPIED SPACES. ROUTINE COLLECTION OF PARTICULATE SAMPLES MAY BE USED TO VERIFY HEPA FILTRATION EFFICIENCIES.</li> </ol> <p>CONSTRUCTION AREAS MUST BE INSPECTED BY AN INFECTION PREVENTIONIST OR DESIGNEE AND ENGINEERING REPRESENTATIVE FOR DISCONTINUATION OR DOWNGRADING OF ICRA PRECAUTIONS.</p>
<ol style="list-style-type: none"> <li>CLEAN WORK AREAS INCLUDING ALL ENVIRONMENTAL SURFACES, HIGH HORIZONTAL SURFACES AND FLOORING MATERIALS.</li> <li>CHECK ALL SUPPLY AND RETURN AIR REGISTERS FOR DUST ACCUMULATION ON UPPER SURFACES AS WELL AS AIR DIFFUSER SURFACES.</li> </ol> <p>REMOVAL OF CRITICAL BARRIERS:</p> <ol style="list-style-type: none"> <li>CRITICAL BARRIERS MUST REMAIN IN PLACE DURING ALL WORK INVOLVING DRYWALL REMOVAL, CREATION OF DUST AND ACTIVITIES BEYOND SIMPLE TOUCH-UP WORK. THE BARRIER MAY NOT BE REMOVED UNTIL A WORK AREA CLEANING HAS BEEN PERFORMED.</li> <li>ALL (PLASTIC OR HARD) BARRIER REMOVAL ACTIVITIES MUST BE COMPLETED IN A MANNER THAT PREVENTS DUST RELEASE. USE THE FOLLOWING PRECAUTIONS WHEN REMOVING HARD BARRIERS:                     <ol style="list-style-type: none"> <li>CAREFULLY REMOVE SCREWS AND PAINTER TAPE.</li> <li>IF DUST WILL BE GENERATED DURING SCREW REMOVAL, USE HAND-HELD HEPA VACUUM.</li> <li>DRYWALL CUTTING IS PROHIBITED DURING REMOVAL PROCESS.</li> <li>CLEAN ALL STUD TRACKS WITH HEPA VACUUM BEFORE REMOVING OUTER HARD BARRIER.</li> <li>USE A PLASTIC BARRIER TO ENCLOSE AREA IF DUST COULD BE GENERATED.</li> </ol> </li> </ol> <p>NEGATIVE AIR REQUIREMENTS:</p> <ol style="list-style-type: none"> <li>THE USE OF NEGATIVE AIR MUST BE DESIGNED TO REMOVE CONTAMINATES FROM THE WORK AREA.</li> <li>NEGATIVE AIR DEVICES MUST REMAIN OPERATIONAL AT ALL TIMES AND IN PLACE FOR A PERIOD AFTER COMPLETION OF DUST CREATING ACTIVITIES TO REMOVE CONTAMINANTS FROM THE WORK AREA AND BEFORE REMOVAL OF CRITICAL BARRIERS.</li> </ol> <p>HVAC SYSTEMS:</p> <ol style="list-style-type: none"> <li>UPON REMOVAL OF CRITICAL BARRIERS, REMOVE ISOLATION OF HVAC SYSTEM IN AREAS WHERE WORK IS BEING PERFORMED.</li> <li>VERIFY THAT HVAC SYSTEMS ARE CLEAN AND OPERATIONAL.</li> <li>VERIFY THE HVAC SYSTEMS MEETS ORIGINAL AIRFLOW AND AIR EXCHANGE DESIGN SPECIFICATIONS.</li> </ol>	

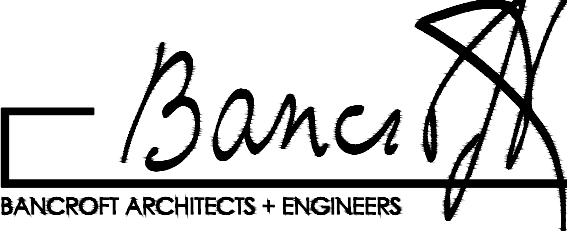
10/28/2022 - ISSUE FOR 100 % CONSTRUCTION DOCUMENTS

ISSUE FOR 100% CONSTRUCTION DOCUMENTS	10/28/22
No	REVISION DATE

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Print Name: DENNIS J MIKA  
 Signature:   
 Date: 10-28-22 License # 56382

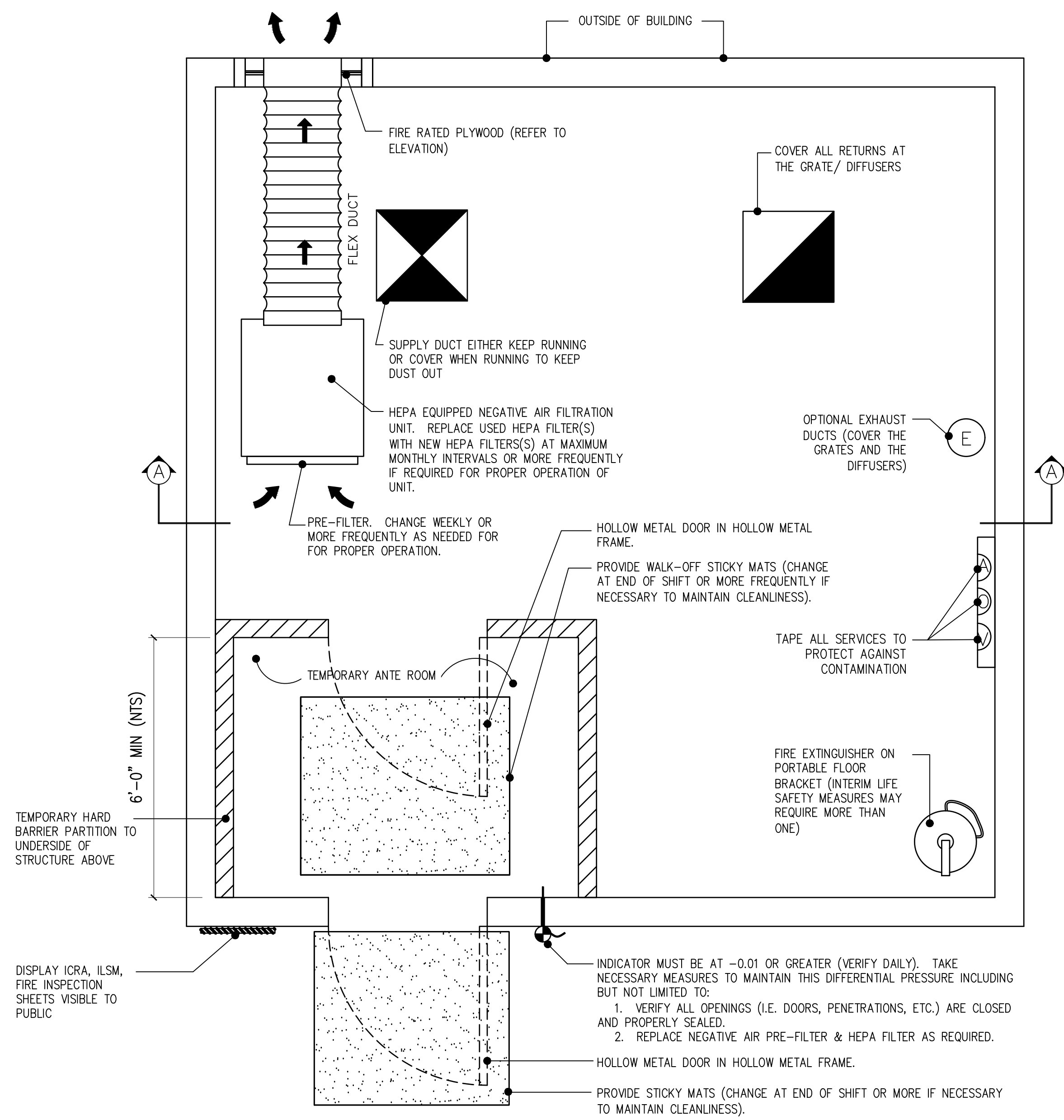
ARCHITECT/ENGINEER OF RECORD

  
 700 Nicholas Blvd, Suite 300  
 Elk Grove Village, IL 60007  
 Tel: 847.952.9362  
 www.bancroft-ae.com  
 BAE PROJECT NO. 18-114

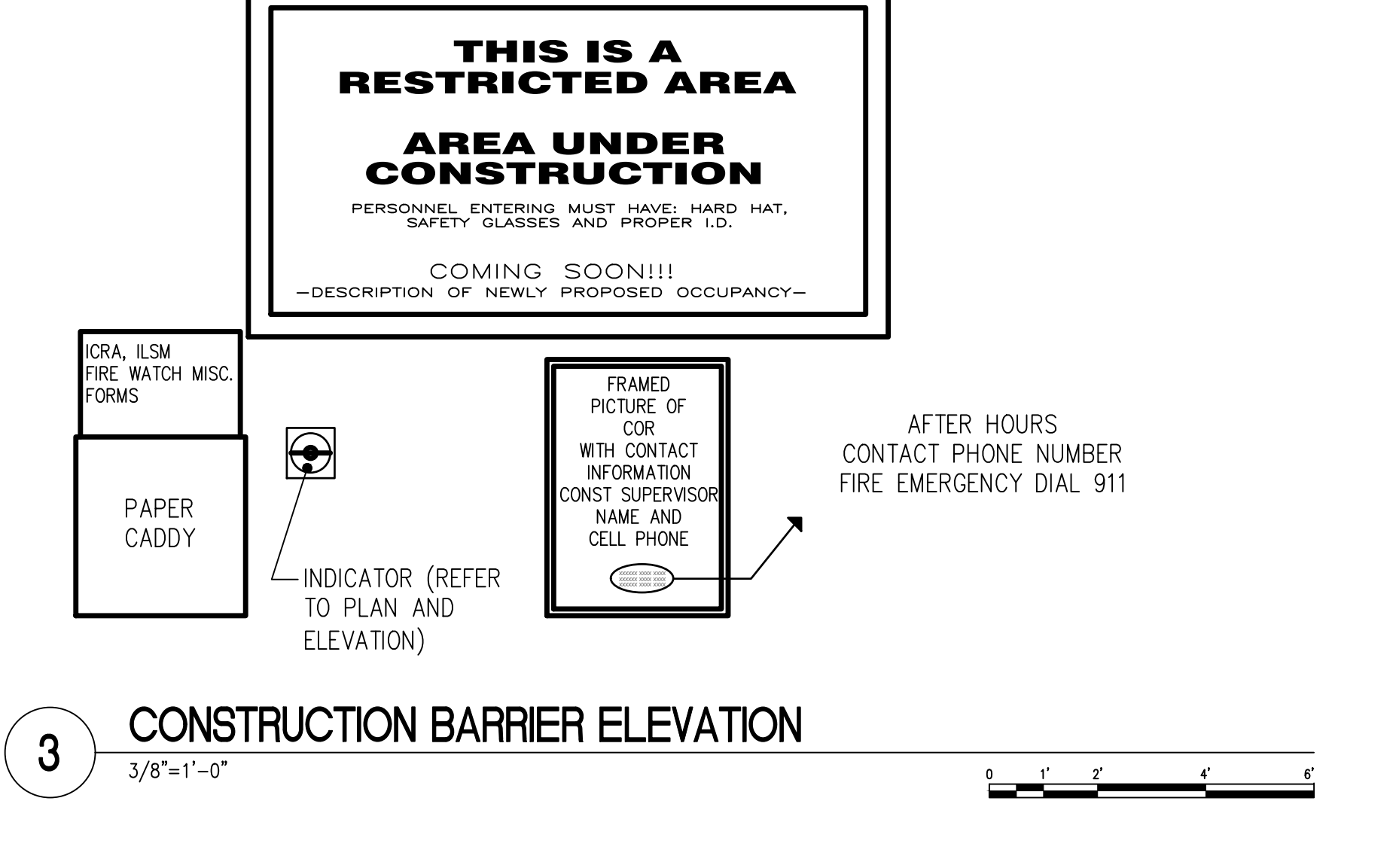
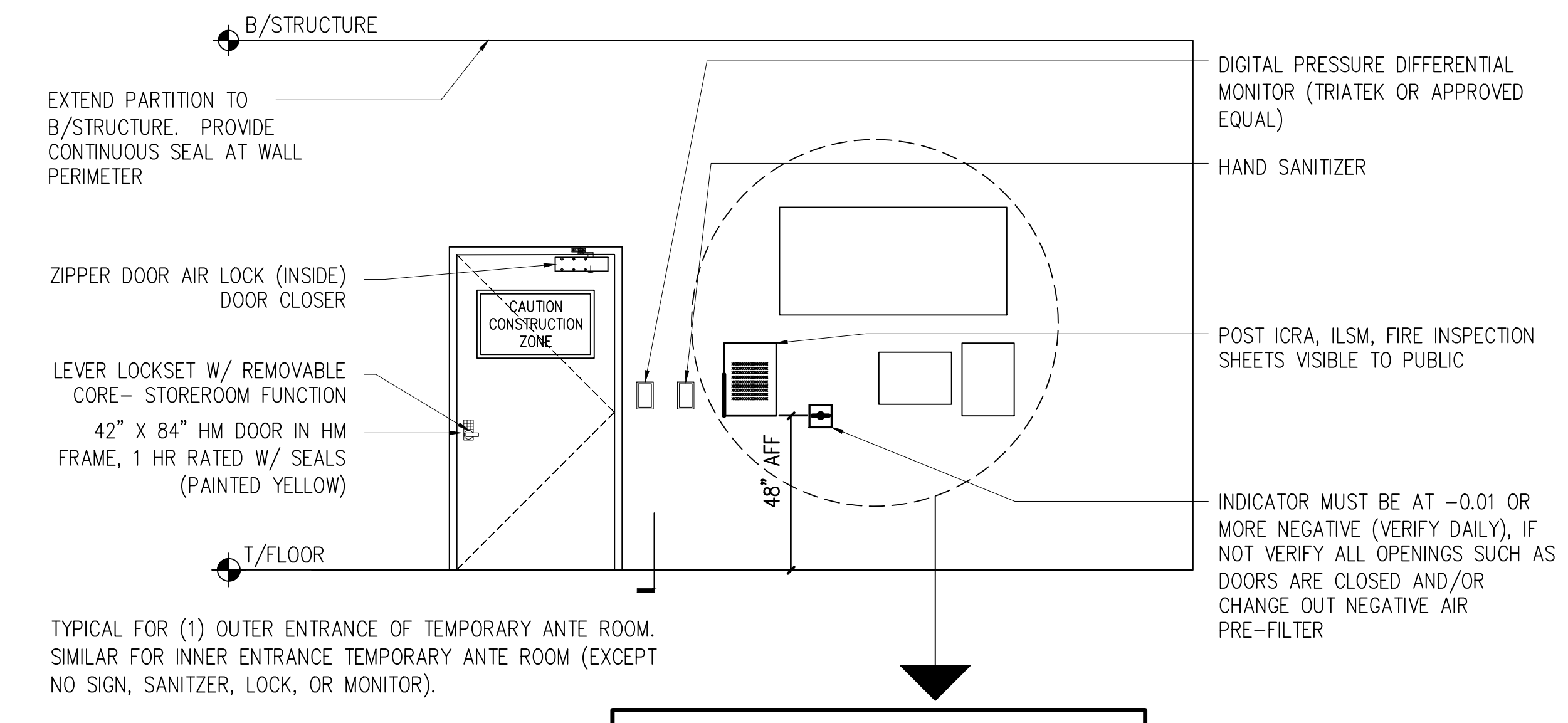
APPROVED PROJECT DIR	DATE	APPROVED SERVICE LINE DIRECTOR	DATE	APPROVED INFECTION CONTROL NURSE	DATE

DRAWING TITLE	PROJECT TITLE	DATE
GENERAL - INFECTION CONTROL NOTES	CONSTRUCT PACT CLINIC BUILDING 4 FIRST FLOOR	10/28/22
APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	PROJECT NO. 656-400	
APPROVED CHIEF OF STAFF	BUILDING NO. 4	CHECKED BY: DA
APPROVED HEALTH CARE SYSTEM DIRECTOR	DESIGNED BY: JJ	DRAWING NO. G1400
	LOCATION: ST. CLOUD VAHCS ST. CLOUD, MN 56303	DATE: 10/28/22

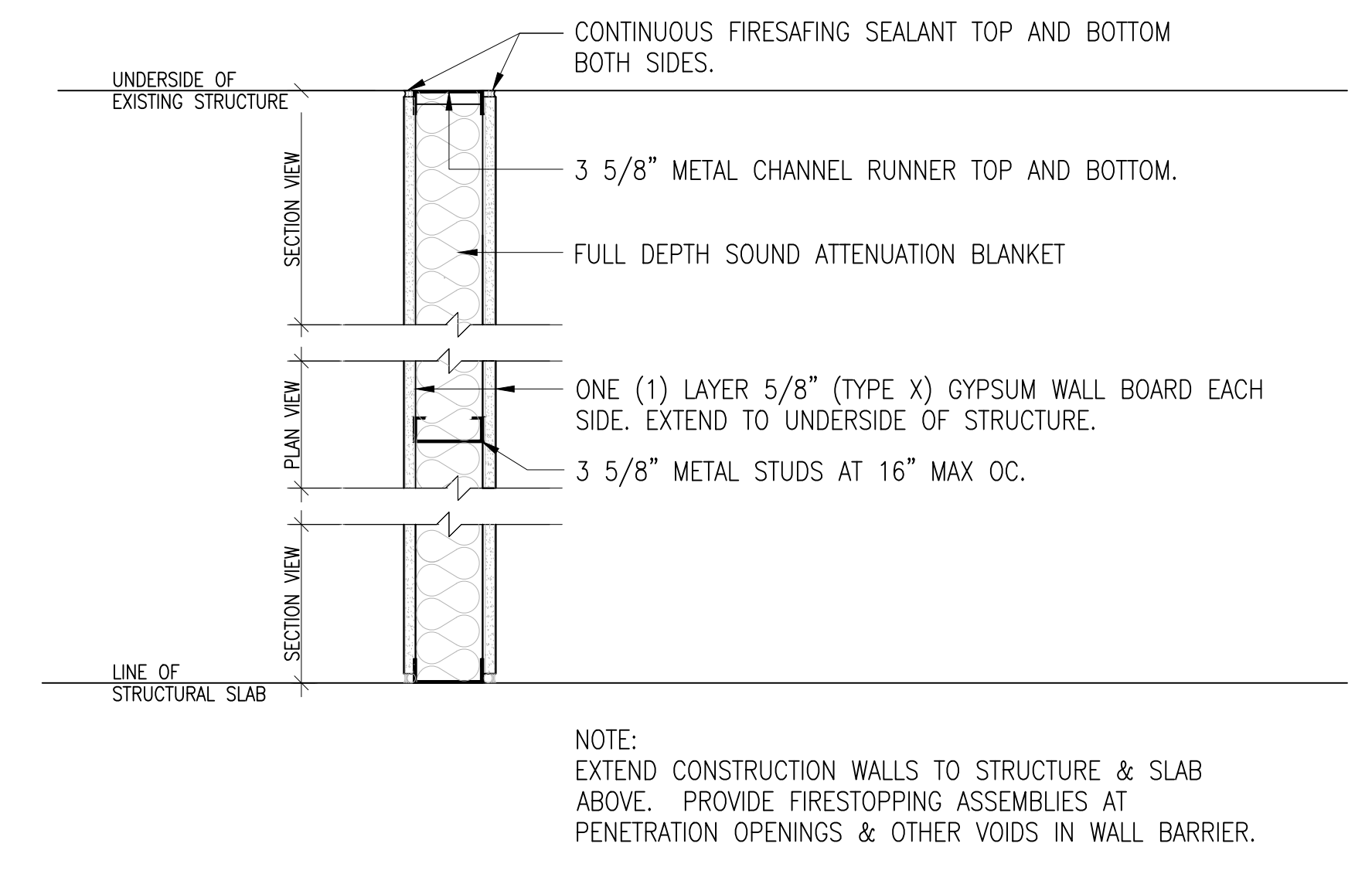




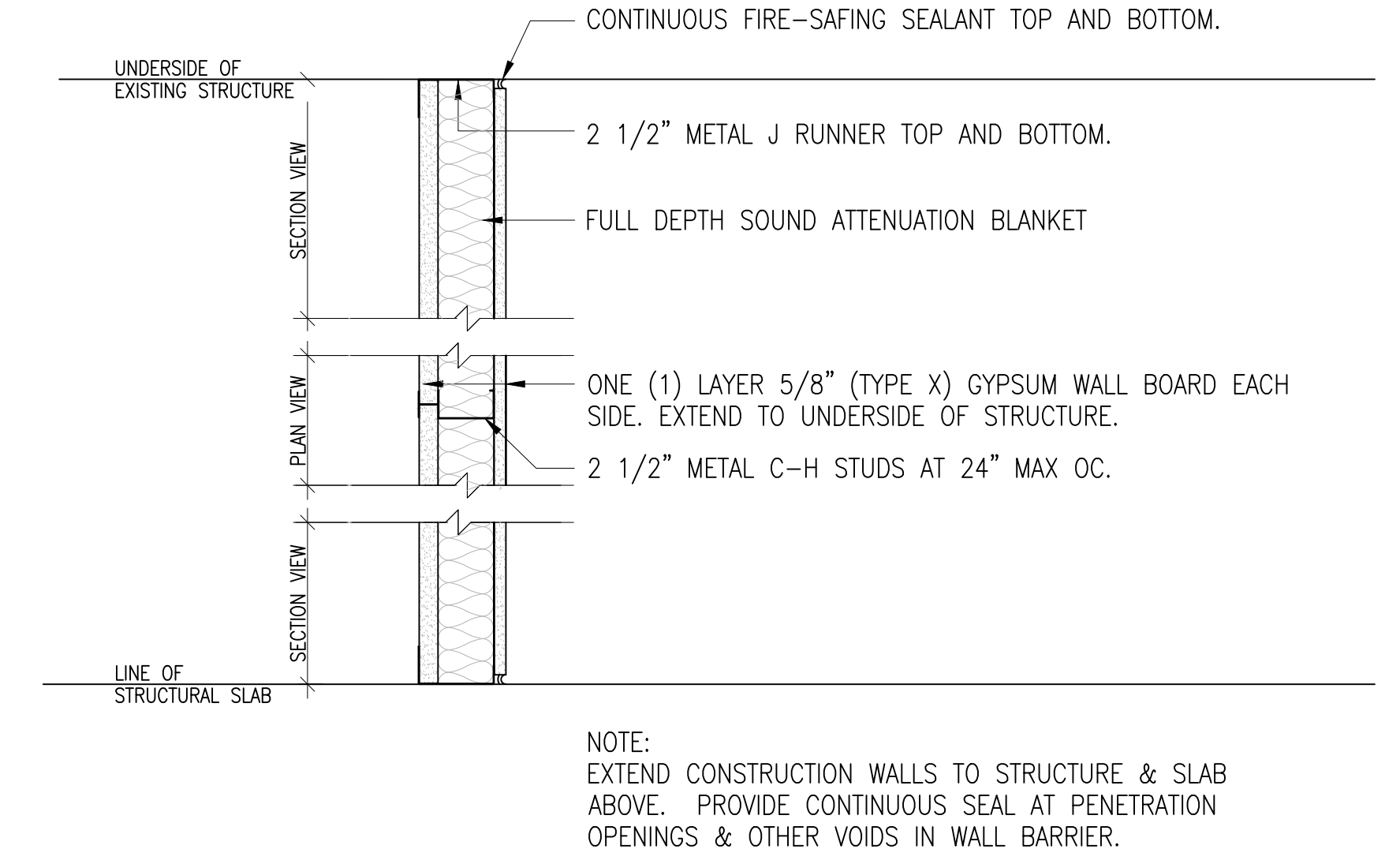
1 TYPICAL ANTE ROOM + CONSTRUCTION BARRIER LAYOUT  
1/2"=1'-0"



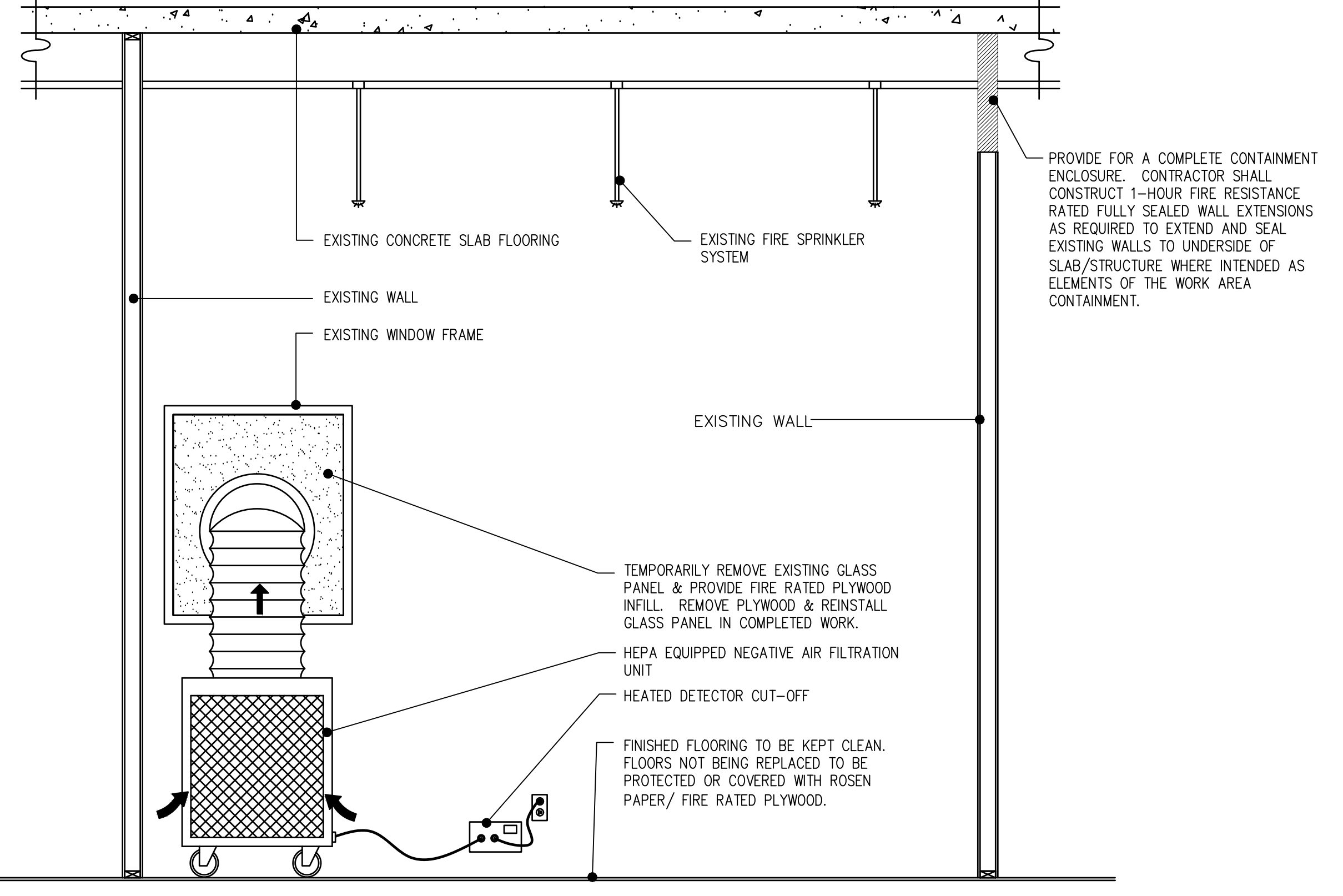
3 CONSTRUCTION BARRIER ELEVATION  
3/8"=1'-0"



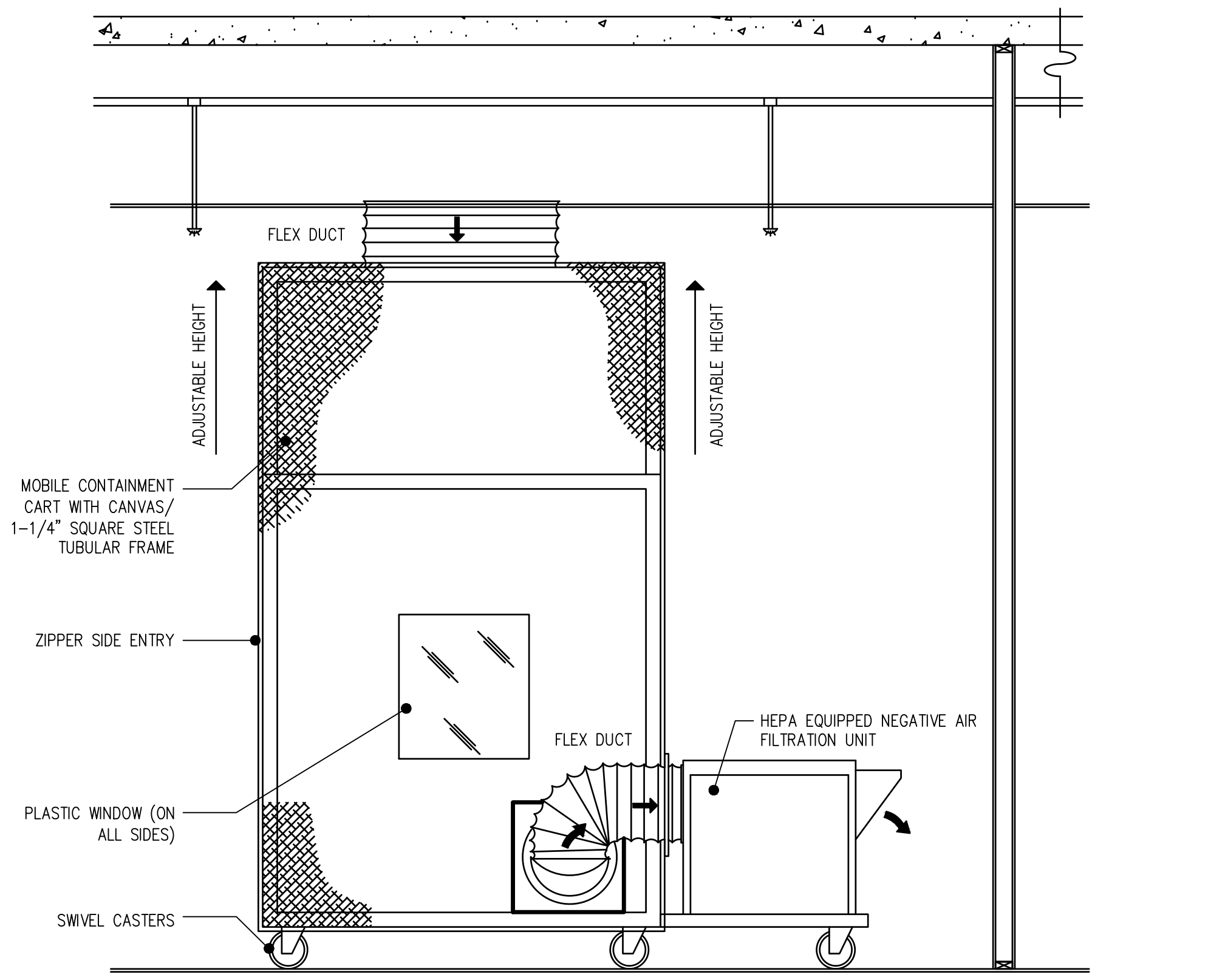
5 TEMPORARY WALL BARRIER - 1 HR FIRE-RATED  
1-1/2"=1'-0"



6 TEMPORARY WALL BARRIER - 1 HR FIRE-RATED SHAFTWALL  
1-1/2"=1'-0"



2 CROSS SECTION A-A  
1/2"=1'-0"



4 MOBILE CONTAINMENT CART (CONSTRUCTION BARRIER TYPES)  
1/2"=1'-0"

10/28/2022 - ISSUE FOR 100 % CONSTRUCTION DOCUMENTS

ISSUE FOR 100% CONSTRUCTION DOCUMENTS	10/28/22
No	REVISION
	DATE

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.  
 Print Name: DENNIS J MIKA  
 Signature: *Dennis J. Mika*  
 Date: 10-28-22 License # 56382

ARCHITECT/ENGINEER OF RECORD  
*Bancroft Architects + Engineers*  
 700 Nicholas Blvd, Suite 300  
 Elk Grove Village, IL 60007  
 Tel: 847.952.9362  
 www.bancroft-ae.com  
 BAE PROJECT NO. 18-114

APPROVED PROJECT DIR	DATE	APPROVED SERVICE LINE DIRECTOR	DATE	APPROVED INFECTION CONTROL NURSE	DATE
APPROVED ICR/ILSM PROJECT MANAGER	DATE	APPROVED PATIENT SAFETY	DATE	APPROVED CHIEF OF POLICE	DATE
APPROVED PROJECTS SECTION MANAGER	DATE	APPROVED CHIEF OF STAFF	DATE	APPROVED HEALTH CARE SYSTEM DIRECTOR	DATE
APPROVED DIRECTOR PHS	DATE	APPROVED SAFETY MANAGER	DATE		

DRAWING TITLE	GENERAL - INFECTION CONTROL DETAILS	PROJECT TITLE	CONSTRUCT PACT CLINIC BUILDING 4 FIRST FLOOR	DATE	10/28/22
APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE	PROJECT NO.	656-400	PLOT SCALE	
APPROVED CHIEF OF STAFF	DATE	BUILDING NO.	4	CHECKED BY	DA
APPROVED HEALTH CARE SYSTEM DIRECTOR	DATE	DESIGNED BY	JJ	DRAWING NO.	GI401
		LOCATION	ST. CLOUD VAHCS ST. CLOUD, MN 56303	DATE	



RATED PARTITION LEGEND	
-----	SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
-----	1-HOUR FIRE/SMOKE BARRIER
-----	2-HOUR FIRE/SMOKE BARRIER
-----	SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE (EXISTING)
-----	1-HOUR FIRE/SMOKE BARRIER (EXISTING)
-----	2-HOUR FIRE/SMOKE BARRIER (EXISTING)

**GENERAL NOTES - INFECTION CONTROL PLAN**

A. REFER TO SHEET G1400 FOR ADDITIONAL INFECTION CONTROL GENERAL NOTES & DESCRIPTION OF REQUIRED INFECTION CONTROL PRECAUTIONS FOR CLASS V WORK.

B. REFER TO SHEET G1401 FOR ADDITIONAL INFORMATION INCLUDING BUT NOT LIMITED TO TYPICAL CONSTRUCTION LAYOUT, TEMPORARY ANTE ROOM, MOBILE CONTAINMENT CART, & TEMPORARY WALL BARRIERS.

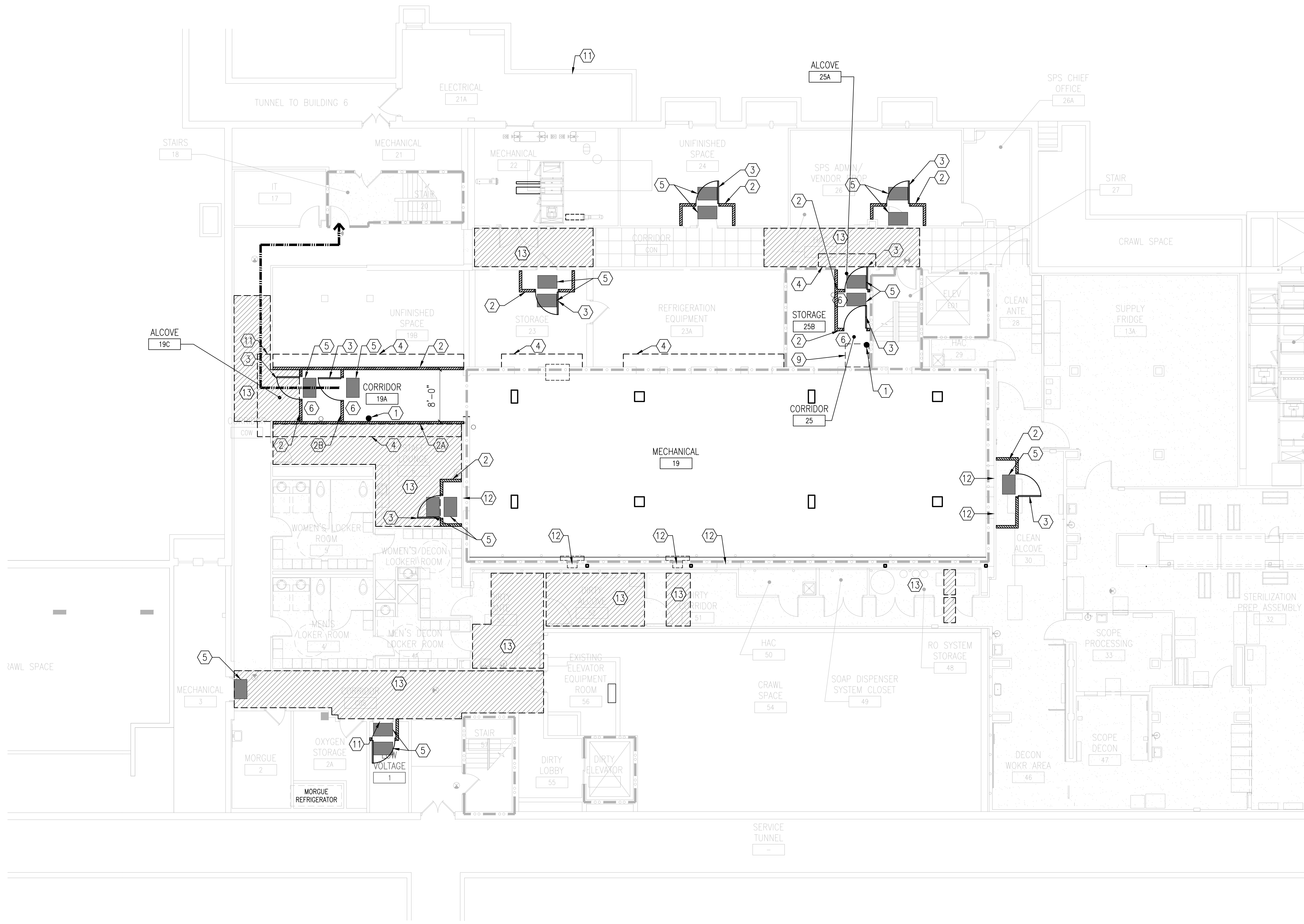
C. IF TEMPORARY WALL BARRIER IS IN THE SAME LOCATION AS INDICATED FOR PERMANENT PARTITIONS AT CONTRACTOR'S OPTION THE TEMPORARY WALL MAY BE INCORPORATED INTO THE COMPLETED WORK SUBJECT TO THE WORK CONFORMING TO REQUIREMENTS FOR THE PERMANENT PARTITIONS. SEE ARCHITECTURAL PLANS AND PARTITION TYPE SCHEDULE FOR ADDITIONAL INFO.

D. IF THERE IS NO FEASIBLE WAY TO EXHAUST AIR TO THE OUTSIDE IN A GIVEN AREA OF WORK, THE AIR SHALL BE TREATED IN PLACE WITH HEPA AND CARBON UNITS PER THE VOLUME OF THE ROOM.

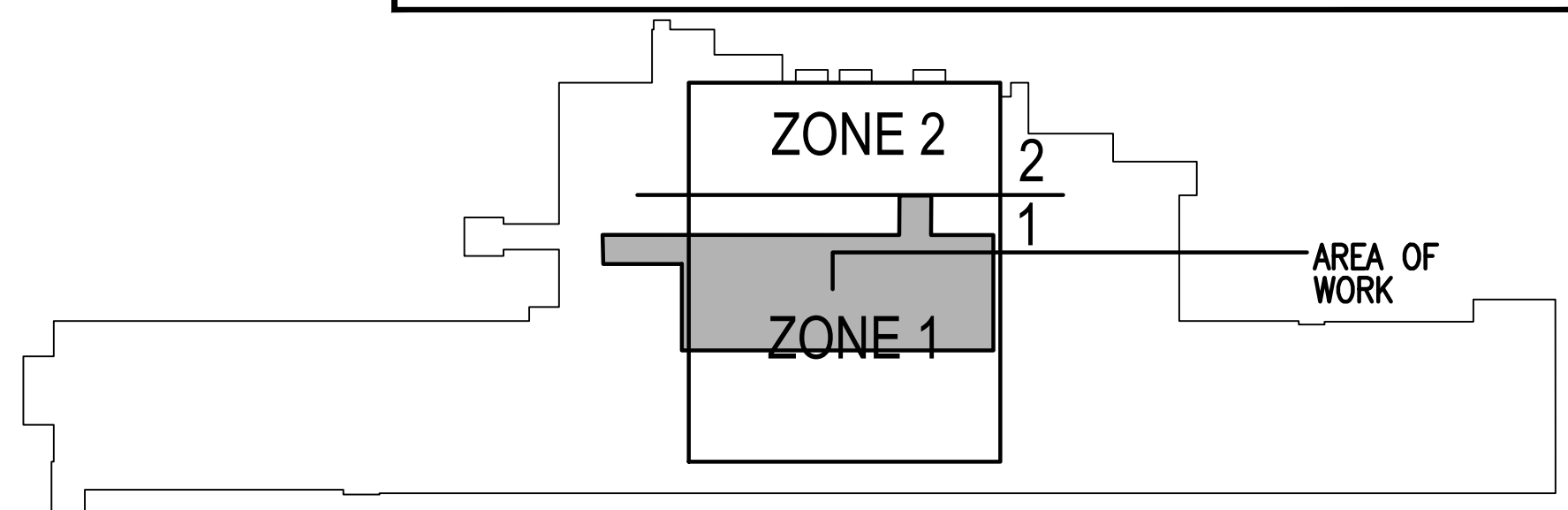
LEGEND - INFECTION CONTROL PLAN	
	TEMPORARY ENCLOSURES REQUIRED FOR CEILING WORK
	EXISTING CONSTRUCTION TO REMAIN
	EXISTING CONSTRUCTION TO BE REMOVED
	TEMPORARY CONSTRUCTION BARRIER
	PATH OF EGRESS
	PATH OF MATERIAL DELIVERY/ DEBRIS REMOVAL

**(X) KEYNOTES - INFECTION CONTROL PLAN**

- NOTE: NOT ALL KEYNOTES ARE USED ON ALL SHEETS.
- FIRE EXTINGUISHER.
  - INFECTION CONTROL TEMPORARY WALL BARRIER (1 HR FIRE-RATED). SEE SHEET G1401 FOR ADDITIONAL INFO. SEE GENERAL NOTE 3 THIS SHEET. PARTITION SHALL EXTEND TO UNDERSIDE OF STRUCTURE ABOVE.
  - MODIFY EXISTING PARTITION AS REQUIRED TO PROVIDE 1 HR FIRE-RATED PARTITION. PARTITION SHALL EXTEND TO UNDERSIDE OF STRUCTURE ABOVE. REMOVE EXISTING PERIMETER SOUND SEALANT. PROVIDE 1-HR RATED FIRESTOPPING SEALANT ASSEMBLY AT PARTITION PERIMETER. INFILL ALL PENETRATIONS & OTHER VOIDS IN PARTITION WITH 1 HR FIRESTOPPING SEALANT ASSEMBLY.
  - INFECTION CONTROL TEMPORARY WALL BARRIER (1 HR FIRE-RATED SHAFT WALL). SEE SHEET G1401 FOR ADDITIONAL INFO. PARTITION SHALL EXTEND TO UNDERSIDE OF STRUCTURE ABOVE. REMOVE WALL IN COMPLETED WORK.
  - INFECTION CONTROL TEMPORARY WALL BARRIER (1 HR FIRE-RATED SHAFT WALL). SEE SHEET G1401 FOR ADDITIONAL INFO. APPLY FILM TO EXISTING WINDOW GLAZING ON CONCEALED SIDE IN COLOR SELECTED BY VA COR PRIOR TO INSTALLATION OF PARTITION INFILL OF EXISTING WINDOW OPENING IN MASONRY WALL. SECURE PARTITION TO EXISTING MASONRY & SEAL PERIMETER. RETAIN/REMOVE WALL IN COMPLETED WORK SUBJECT TO DIRECTION FROM VA COR.
  - INFECTION CONTROL TEMPORARY WALL BARRIER (1 HR FIRE-RATED). WALL TO BE CONSTRUCTED IN SECTIONS ENSURING THAT INSTALLING, TAPING AND SEALING CAN OCCUR IN A SINGLE SHIFT. SEE SHEET G1401 FOR ADDITIONAL INFO. SEE GENERAL NOTE 3 THIS SHEET. PARTITION SHALL EXTEND TO UNDERSIDE OF STRUCTURE ABOVE.
  - TEMPORARY HOLLOW METAL DOOR & FRAME INCLUDING DOOR HARDWARE AS REQUIRED FOR 45 MINUTE FIRE-RESISTANCE RATING FOR OPENING IN 1 HR FIRE-RATED PARTITION. SEE SHEET G1401 FOR ADDITIONAL INFO. REPLACE WITH DOOR, FRAME & HARDWARE INDICATED ON DRAWINGS & SPECIFICATIONS IN COMPLETED WORK.
  - SUPPLY AND INSTALL 6 MIL HEAVY DUTY, REINFORCED, FIRE-RETARDANT, POLYETHYLENE SHEETING (VISQUEEN) WITH ZIPPER DOOR ACROSS OPENING. PLASTIC SHEET SHALL BE FULLY SEALED AT PERIMETER.
  - SUPPLY AND INSTALL WALK-OFF STICKY MAT(S). SEE ADDITIONAL INFO ON SHEETS G1400 & G1401.
  - PROVIDE EXIT SIGN(S)/ PLACARD(S) AS REQUIRED TO SATISFY INTERIM LIFE SAFETY MEASURES.
  - DESIGNATED MAIN CONSTRUCTION ENTRANCE/ EXIT.
  - DESIGNATED SUPPLEMENTAL CONSTRUCTION ENTRANCE FOR LARGE EQUIPMENT/ COMPONENTS AND PRIMARY EXIT FOR DEBRIS REMOVAL. DEBRIS REMOVAL IS TO BE HANDED THROUGH THE LOADING DOCK DOORS FROM ONE WORKER TO ANOTHER. WORKERS ARE NOT ALLOWED TO PASS THROUGH THE DOORS.
  - DESIGNATED SUPPLEMENTAL CONSTRUCTION ENTRANCE FOR LARGE EQUIPMENT/ COMPONENTS REQUIRING USE OF ELEVATOR E01 TO BASEMENT MECHANICAL ROOM ONLY. USE OF ENTRANCE AND ELEVATOR MUST BE SCHEDULED THROUGH VA COR & CONTRACTOR SHALL IMPLEMENT NECESSARY DUST, DEBRIS AND PROTECTION MEASURES.
  - PROPOSED LOCATION FOR EXHAUST TO ROOF FOR HEPA FILTERED NEGATIVE AIR UNIT LOCATED IN BASEMENT MECHANICAL ROOM. THE GC IS TO CONFIRM EXISTING EXHAUST PASSAGE TO ROOF OPENING IS ADEQUATE. SEE MECHANICAL DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION. MEANS AND METHOD OF DUCTING EXHAUST AIR IS THE RESPONSIBILITY OF THE GC.
  - TEMPORARILY REMOVE WINDOW GLAZING UNIT(S) FOR TEMPORARY EXHAUST DUCT FROM HEPA EQUIPPED NEGATIVE AIR FILTRATION UNIT(S) AT LOCATION(S) TO BE CONFIRMED BY THE GC WITH THE COR. WINDOW ASSEMBLIES TO BE REINSTALLED IN THE COMPLETED WORK. SEE SHEET G1401 FOR ADDITIONAL INFO.
  - VERIFY THAT EXISTING WALL FURRING PROVIDES A CONTINUOUS SEALED CONTAINMENT BARRIER FROM FLOOR TO CONCRETE STRUCTURE ABOVE. EXTEND FURRING & SEAL VOIDS AS REQUIRED PRIOR TO PERFORMING DEMOLITION & CONSTRUCTION WORK.
  - VERIFY SMOKE GASKETS ON EXISTING DOOR. PROVIDE IF MISSING. ADHERE TEMPORARY SWEEP DOOR BOTTOM. REMOVE TEMPORARY DOOR BOTTOM IN COMPLETED WORK & REPAIR FINISHES.
  - CONTRACTOR TO TEMPORARILY SUSPEND A PLASTIC BARRIER AROUND AREA OF CEILING OR USE TEMPORARY MOBILE CONTAINMENT CART FOR THE AMOUNT OF WORK THAT WILL BE PERFORMED WITHIN THE DESIGNATED WORK SHIFT. PLASTIC BARRIER TO BE REMOVED OFF SHIFT. AREA TO BE SWEEP CLEAN AND TURNED OVER TO THE VA HALF HOUR PRIOR TO START OF BUSINESS. THIS WORK TO BE PERFORMED OFF HOURS. CONTRACTOR TO REMOVE AND STORE CEILING TILES IN THIS AREA TO ALLOW WORK. REINSTALL TILES AND GRID WHEN WORK IS COMPLETED AT THE END OF EACH SHIFT. REPLACE ANY DAMAGED TILES TO MATCH EXISTING. CEILING WORK TO BE COORDINATED WITH VA AS THIS IS IDENTIFIED AS OFF HOURS WORK. IF AN EXISTING HARD CEILING NEEDS TO BE REMOVED IN ORDER TO PERFORM WORK AND CANNOT BE RESTORED IN ONE SHIFT, THEN CONTRACTOR TO PROVIDE PLASTIC BARRIER COVER ENTIRETY OF OPEN CEILING WHEN NOT WORKING.
  - WORK TO BE PERFORMED OFF HOURS. COORDINATE WITH COR.
  - INSTALL PERMANENT WALL PARTITION. REFER TO WALL PARTITION TYPE DETAILS ON A501.



**1 GENERAL - INFECTION CONTROL PLAN - BASEMENT**  
1/8"=1'-0"



**KEY PLAN BUILDING 4**

10/28/2022 - ISSUE FOR 100% CONSTRUCTION DOCUMENTS

No.	REVISION	DATE

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Print Name: DENNIS J MIKA  
Signature:   
Date: 10-28-22 License #: 56382

ARCHITECT/ENGINEER OF RECORD  
**Bancroft**  
BANCROFT ARCHITECTS + ENGINEERS  
700 Nicholas Blvd, Suite 300  
Eli Grove Village, IL 60007  
T: 847.952.9362  
www.bancroft-ae.com  
BAE PROJECT NO. 18-116

APPROVED PROJECT GDR	DATE:	APPROVED SERVICE LINE DIRECTOR	DATE:	APPROVED INFECTION CONTROL NURSE	DATE:
APPROVED GEN'S PROJECT MANAGER	DATE:	APPROVED PATIENT SAFETY	DATE:	APPROVED CHIEF OF POLICE	DATE:
APPROVED PROJECTS SECTION MANAGER	DATE:	APPROVED CHIEF OF POLICE	DATE:	APPROVED SAFETY MANAGER	DATE:
APPROVED DIRECTOR PMS	DATE:	APPROVED SAFETY MANAGER	DATE:		

DRAWING TITLE <b>GENERAL - INFECTION CONTROL PLAN - BASEMENT</b>	DATE: 10/28/22
APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE: 10/28/22
APPROVED CHIEF OF STAFF	DATE: 10/28/22
APPROVED HEALTH CARE SYSTEM DIRECTOR	DATE: 10/28/22

PROJECT TITLE CONSTRUCT PACT CLINIC BUILDING 4 FIRST FLOOR	DATE: 10/28/22
BUILDING NO. 4	DESIGNED BY DA
DRAWN BY LC	DRAWING NO. G1410
LOCATION ST. CLOUD VAHCS ST. CLOUD, MN 56303	DATE: 10/28/22

**RATED PARTITION LEGEND**

- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- 1-HOUR FIRE/SMOKE BARRIER
- - - 2-HOUR FIRE/SMOKE BARRIER
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE (EXISTING)
- 1-HOUR FIRE/SMOKE BARRIER (EXISTING)
- - - 2-HOUR FIRE/SMOKE BARRIER (EXISTING)

**GENERAL NOTES - INFECTION CONTROL**

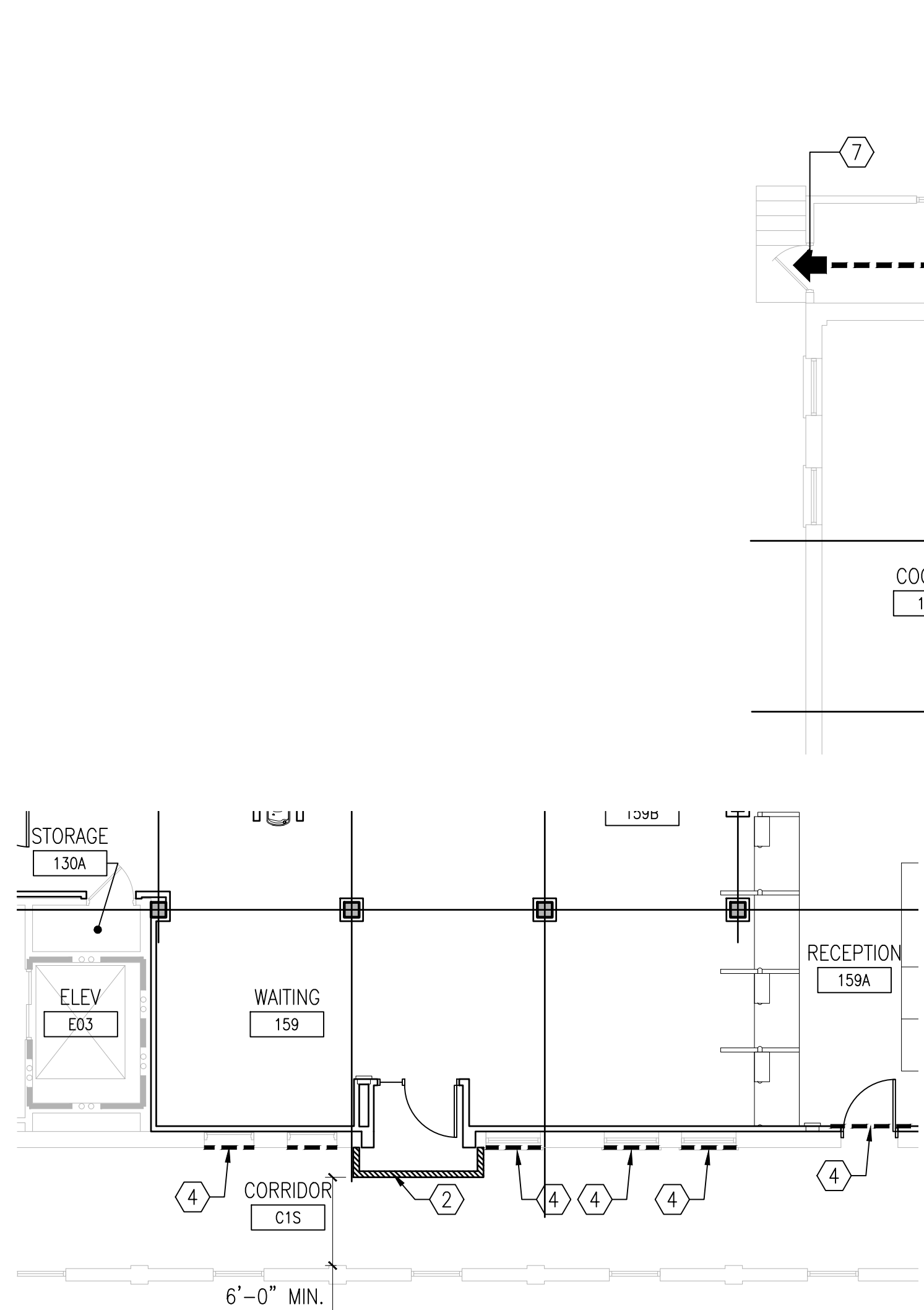
- A. REFER TO SHEET G1400 FOR ADDITIONAL INFECTION CONTROL GENERAL NOTES & DESCRIPTION OF REQUIRED INFECTION CONTROL PRECAUTIONS FOR CLASS V WORK.
- B. REFER TO SHEET G1401 FOR ADDITIONAL INFORMATION INCLUDING BUT NOT LIMITED TO TYPICAL CONSTRUCTION LAYOUT, TEMPORARY ANTE ROOM, MOBILE CONTAINMENT CART, & TEMPORARY WALL BARRIERS.
- C. IF TEMPORARY WALL BARRIER IS IN THE SAME LOCATION AS INDICATED FOR PERMANENT PARTITIONS AT CONTRACTOR'S OPTION THE TEMPORARY WALL MAY BE INCORPORATED INTO THE COMPLETED WORK SUBJECT TO THE WORK CONFORMING TO REQUIREMENTS FOR THE PERMANENT PARTITIONS. SEE ARCHITECTURAL PLANS AND PARTITION TYPE SCHEDULE FOR ADDITIONAL INFO.

**LEGEND - INFECTION CONTROL PLAN**

- TEMPORARY ENCLOSURES REQUIRED FOR CEILING WORK
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE REMOVED
- TEMPORARY CONSTRUCTION BARRIER
- PATH OF EGRESS
- PATH OF MATERIAL DELIVERY/ DEBRIS REMOVAL

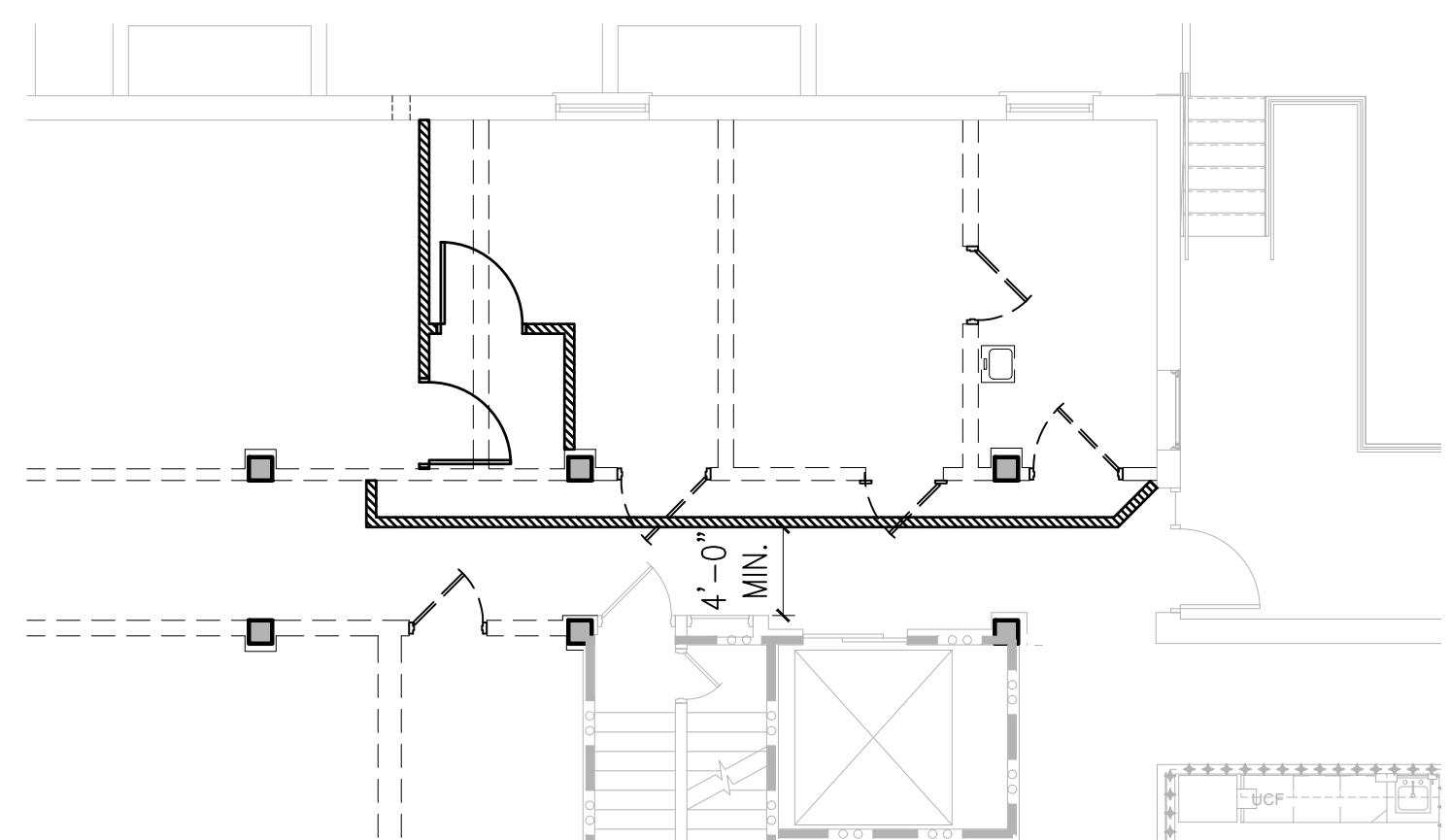
**(X) KEYNOTES - INFECTION CONTROL PLAN**

- NOTE: NOT ALL KEYNOTES ARE USED ON ALL SHEETS.
1. FIRE EXTINGUISHER.
  2. INFECTION CONTROL TEMPORARY WALL BARRIER (1 HR FIRE-RATED). SEE SHEET G1401 FOR ADDITIONAL INFO. SEE GENERAL NOTE 3 THIS SHEET. PARTITION SHALL EXTEND TO UNDERSIDE OF STRUCTURE ABOVE.
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  - 2B. INFECTION CONTROL TEMPORARY WALL BARRIER (1 HR FIRE-RATED SHAFT WALL). SEE SHEET G1401 FOR ADDITIONAL INFO. PARTITION SHALL EXTEND TO UNDERSIDE OF STRUCTURE ABOVE. REMOVE WALL IN COMPLETED WORK.
  - 2C. INFECTION CONTROL TEMPORARY WALL BARRIER (1 HR FIRE-RATED SHAFT WALL). SEE SHEET G1401 FOR ADDITIONAL INFO. APPLY FILM TO EXISTING WINDOW GLAZING ON CONCEALED SIDE IN COLOR SELECTED BY VA COR PRIOR TO INSTALLATION OF PARTITION INFILL OF EXISTING WINDOW OPENING IN MASONRY WALL. SECURE PARTITION TO EXISTING MASONRY & SEAL PERIMETER. RETAIN/REMOVE WALL IN COMPLETED WORK SUBJECT TO DIRECTION FROM VA COR.
  - 2D. INFECTION CONTROL TEMPORARY WALL BARRIER (1 HR FIRE-RATED). WALL TO BE CONSTRUCTED IN SECTIONS ENSURING THAT INSTALLING, TAPING AND SEALING CAN OCCUR IN A SINGLE SHIFT. SEE SHEET G1401 FOR ADDITIONAL INFO. SEE GENERAL NOTE 3 THIS SHEET. PARTITION SHALL EXTEND TO UNDERSIDE OF STRUCTURE ABOVE.
  3. TEMPORARY HOLLOW METAL DOOR & FRAME INCLUDING DOOR HARDWARE AS REQUIRED FOR 45 MINUTE FIRE-RESISTANCE RATING FOR OPENING IN 1 HR FIRE-RATED PARTITION. SEE SHEET G1401 FOR ADDITIONAL INFO. REPLACE WITH DOOR, FRAME & HARDWARE INDICATED ON DRAWINGS & SPECIFICATIONS IN COMPLETED WORK.
  4. SUPPLY AND INSTALL 6 MIL HEAVY DUTY, REINFORCED, FIRE-RETARDANT, POLYETHYLENE SHEETING (VISQUEEN) WITH ZIPPER DOOR ACROSS OPENING. PLASTIC SHEET SHALL BE FULLY SEALED AT PERIMETER.
  5. SUPPLY AND INSTALL WALK-OFF STICKY MAT(S). SEE ADDITIONAL INFO ON SHEETS G1400 & G1401.
  6. PROVIDE EXIT SIGN(S)/ PLACARD(S) AS REQUIRED TO SATISFY INTERIM LIFE SAFETY MEASURES.
  7. DESIGNATED MAIN CONSTRUCTION ENTRANCE/ EXIT.
  - 7A. DESIGNATED SUPPLEMENTAL CONSTRUCTION ENTRANCE FOR LARGE EQUIPMENT/ COMPONENTS AND PRIMARY EXIT FOR DEBRIS REMOVAL. DEBRIS REMOVAL IS TO BE HANDLED THROUGH THE LOADING DOCK DOORS FROM ONE WORKER TO ANOTHER. WORKERS ARE NOT ALLOWED TO PASS THROUGH THE DOORS.
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  9. PROPOSED LOCATION FOR EXHAUST TO ROOF FOR HEPA FILTERED NEGATIVE AIR UNIT LOCATED IN BASEMENT MECHANICAL ROOM. THE GC IS TO CONFIRM EXISTING EXHAUST PASSAGE TO ROOF OPENING IS ADEQUATE. SEE MECHANICAL DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION. MEANS AND METHOD OF DUCTING EXHAUST AIR IS THE RESPONSIBILITY OF THE GC.
  10. TEMPORARILY REMOVE WINDOW GLAZING UNIT(S) FOR TEMPORARY EXHAUST DUCT FROM HEPA EQUIPPED NEGATIVE AIR FILTRATION UNIT(S) AT LOCATION(S) TO BE CONFIRMED BY THE GC WITH THE COR. WINDOW ASSEMBLIES TO BE REINSTALLED IN THE COMPLETED WORK. SEE SHEET G1401 FOR ADDITIONAL INFO.
  11. VERIFY THAT EXISTING WALL FURRING PROVIDES A CONTINUOUS SEALED CONTAINMENT BARRIER FROM FLOOR TO CONCRETE STRUCTURE ABOVE. EXTEND FURRING & SEAL VOIDS AS REQUIRED PRIOR TO PERFORMING DEMOLITION & CONSTRUCTION WORK.
  12. VERIFY SMOKE GASKETS ON EXISTING DOOR. PROVIDE IF MISSING. ADHERE TEMPORARY SWEEP DOOR BOTTOM. REMOVE TEMPORARY DOOR BOTTOM IN COMPLETED WORK & REPAIR FINISHES.
  13. CONTRACTOR TO TEMPORARILY SUSPEND A PLASTIC BARRIER AROUND AREA OF CEILING OR USE TEMPORARY MOBILE CONTAINMENT CART FOR THE AMOUNT OF WORK THAT WILL BE PERFORMED WITHIN THE DESIGNATED WORK SHIFT. PLASTIC BARRIER TO BE REMOVED OFF SHIFT. AREA TO BE SWEEP CLEAN AND TURNED OVER TO THE VA HALF HOUR PRIOR TO START OF BUSINESS. THIS WORK TO BE PERFORMED OFF HOURS. CONTRACTOR TO REMOVE AND STORE CEILING TILES IN THIS AREA TO ALLOW WORK. REINSTALL TILES AND GRID WHEN WORK IS COMPLETED AT THE END OF EACH SHIFT. REPLACE ANY DAMAGED TILES TO MATCH EXISTING. CEILING WORK TO BE COORDINATED WITH VA AS THIS IS IDENTIFIED AS OFF HOURS WORK. IF AN EXISTING HARD CEILING NEEDS TO BE REMOVED IN ORDER TO PERFORM WORK AND CANNOT BE RESTORED IN ONE SHIFT, THEN CONTRACTOR TO PROVIDE PLASTIC BARRIER COVER ENTIRETY OF OPEN CEILING WHEN NOT WORKING.
  14. WORK TO BE PERFORMED OFF HOURS. COORDINATE WITH COR.
  15. INSTALL PERMANENT WALL PARTITION. REFER TO WALL PARTITION TYPE DETAILS ON A501.



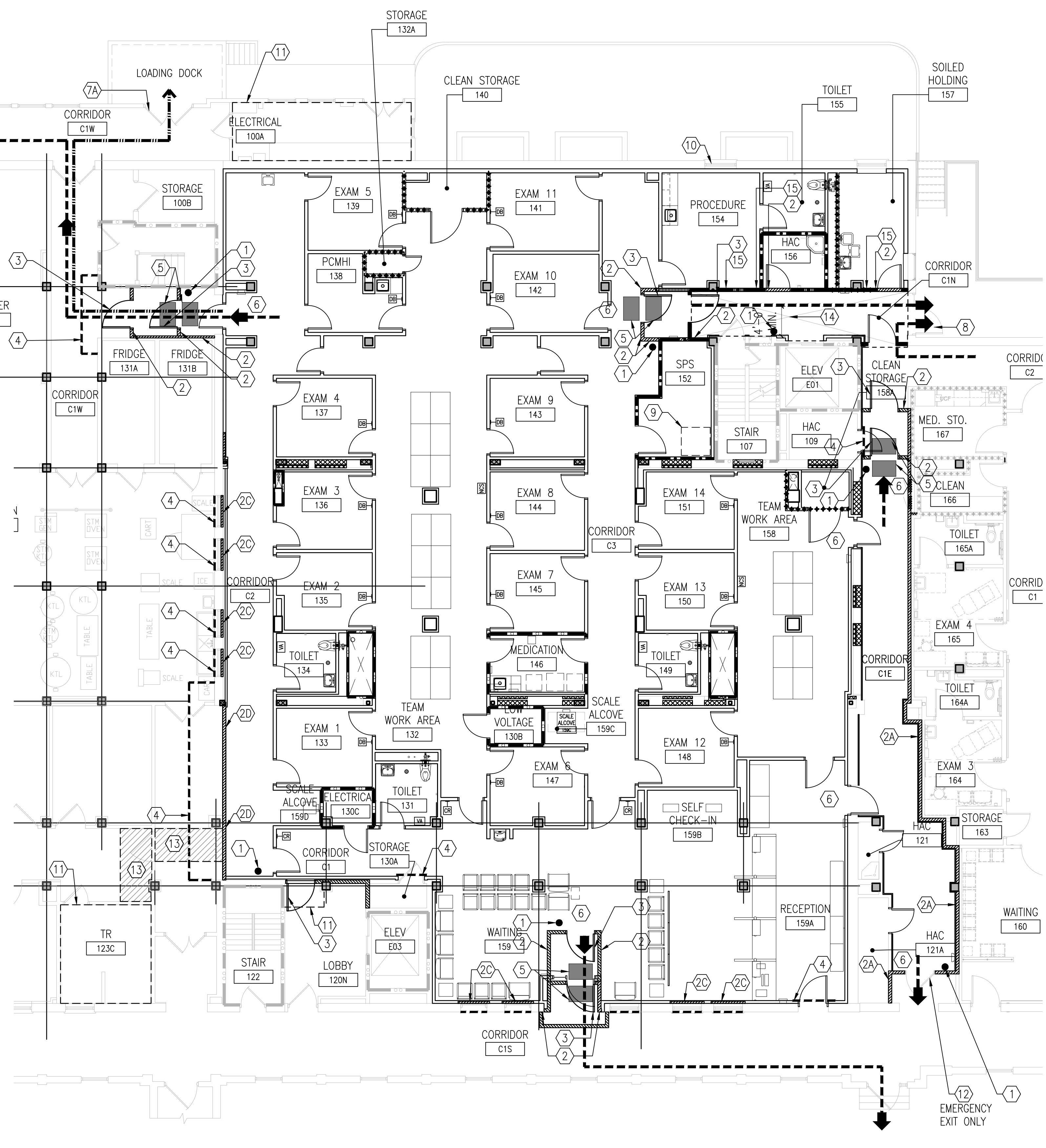
**1 INFECTION CONTROL PLAN - FIRST FLOOR - PHASE 1**  
1/8"=1'-0"

PHASE 1: CORRIDOR - C1S. USE BY CONTRACTOR IS RESTRICTED & MUST BE SCHEDULED THROUGH THE VA COR.



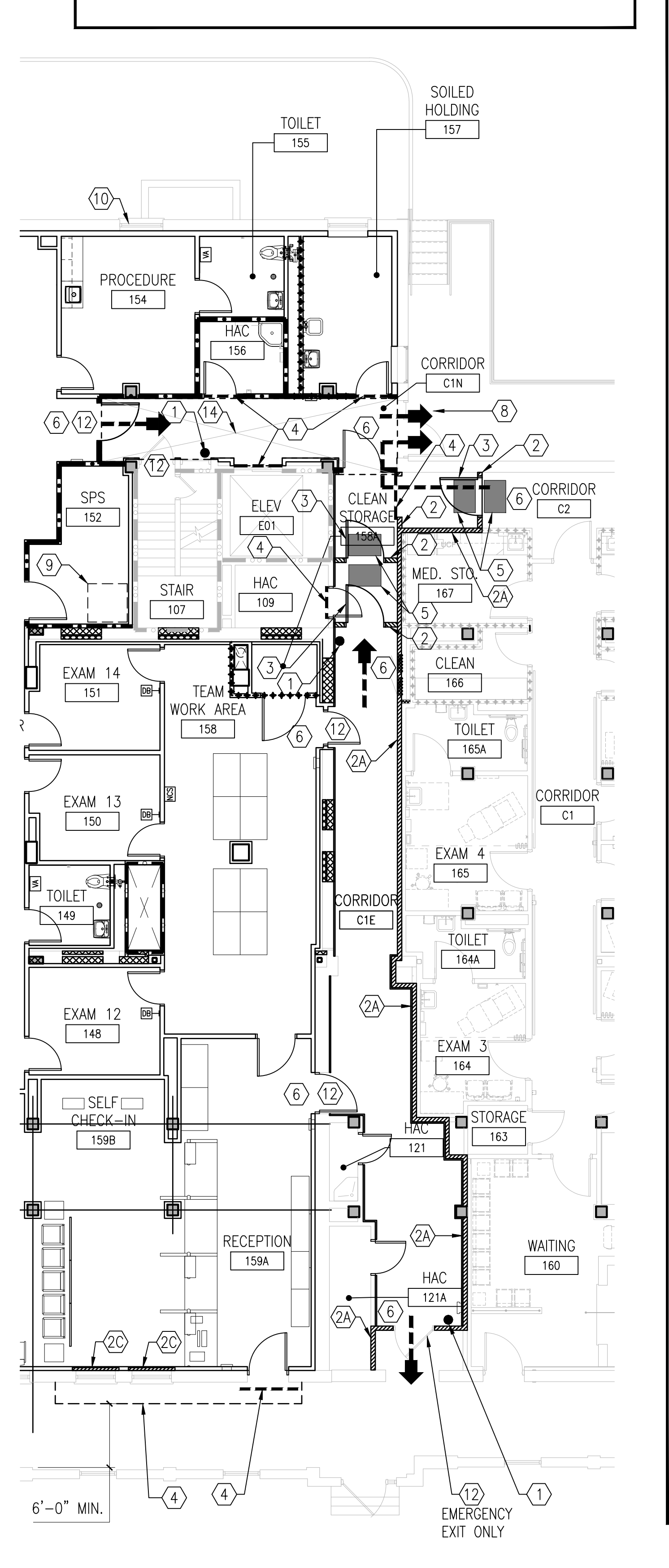
**2 INFECTION CONTROL PLAN - FIRST FLOOR - PHASE 2**  
1/8"=1'-0"

PHASE 2: CORRIDOR - C1N & NORTHERN END OF CORRIDOR.



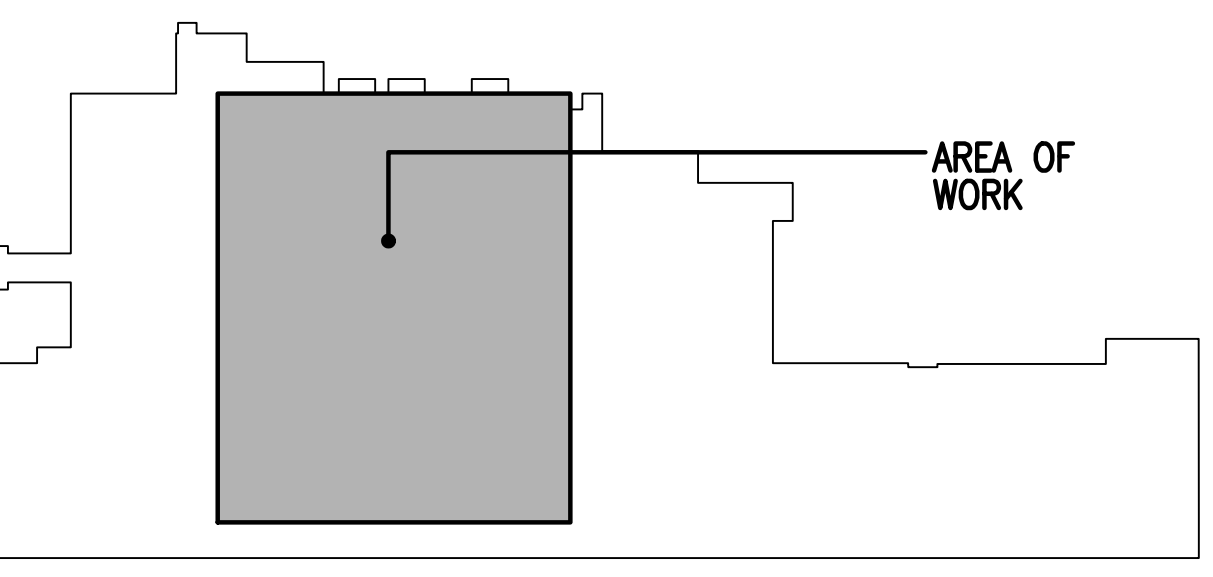
**3 INFECTION CONTROL PLAN - FIRST FLOOR - PHASE 3**  
1/8"=1'-0"

PHASE 3: CORRIDOR - C1N & NORTHERN END OF CORRIDOR - C1E ARE OUTSIDE AREA OF DUST CONTAINMENT. STAIR - 107 & ELEVATOR - E01 ARE AVAILABLE FOR USE BY VA AT ALL TIMES. USE BY CONTRACTOR IS RESTRICTED & MUST BE SCHEDULED THROUGH THE VA COR.



**4 INFECTION CONTROL PLAN - FIRST FLOOR - PHASE 4**  
1/8"=1'-0"

PHASE 4: PROVIDE DUST CONTAINMENT FOR AND COMPLETE WORK IN CORRIDOR - C1N & NORTHERN END OF CORRIDOR - C1NE. SEAL ELEVATOR - E01 OPENING TO PREVENT DUST MIGRATION VIA SHAFT.



**KEY PLAN BUILDING 4**

10/28/2022 - ISSUE FOR 100 % CONSTRUCTION DOCUMENTS

ISSUE FOR 100% CONSTRUCTION DOCUMENTS	10/28/22
No	REVISION DATE

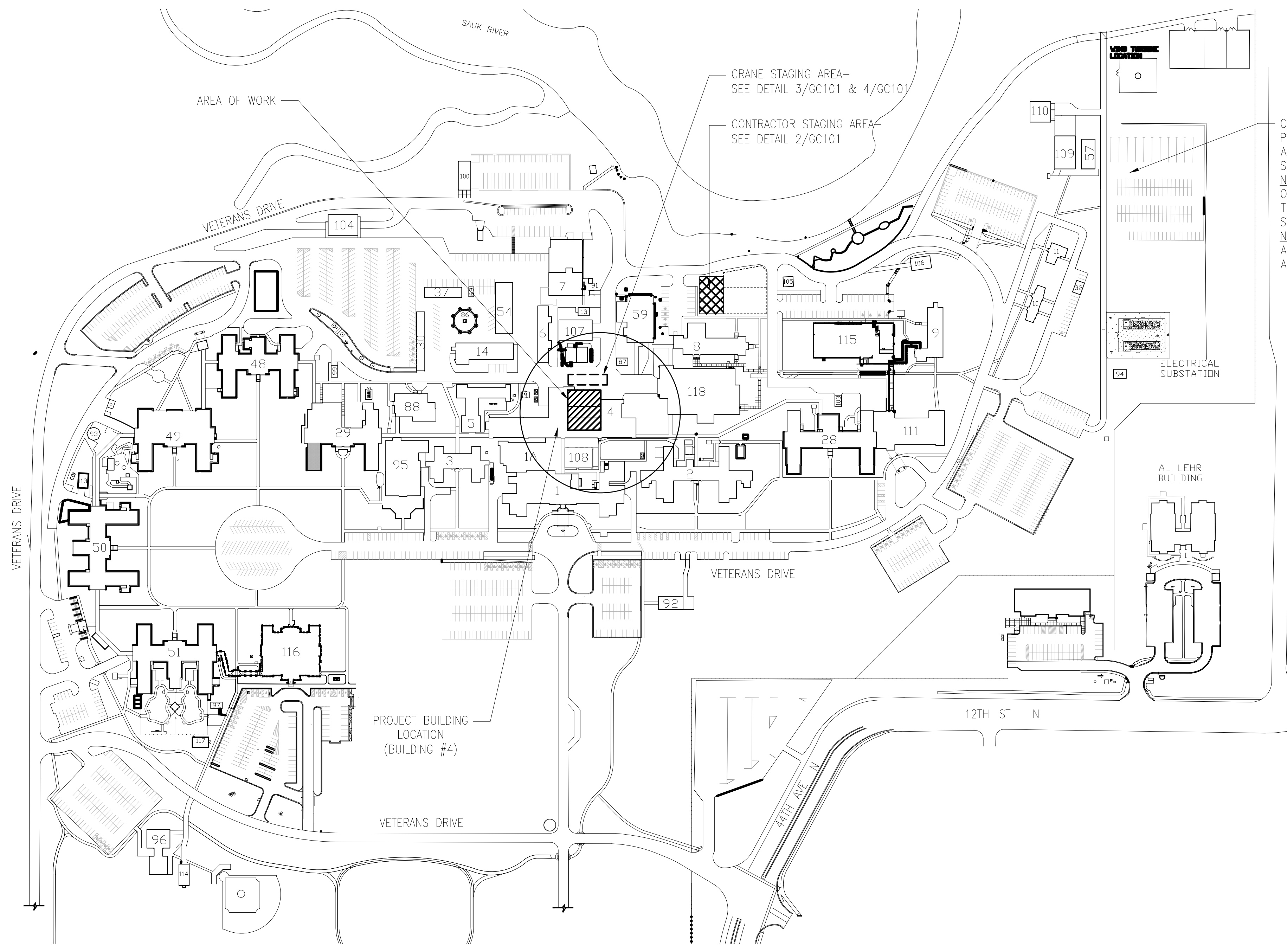
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.  
 Print Name: DENNIS J MIKA  
 Signature: *Dennis J. Mika*  
 Date: 10-28-22 License # 56382

ARCHITECT/ENGINEER OF RECORD  
  
 700 Nicholas Blvd, Suite 300  
 Elk Grove Village, IL 60007  
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 BAE PROJECT NO. 18-116

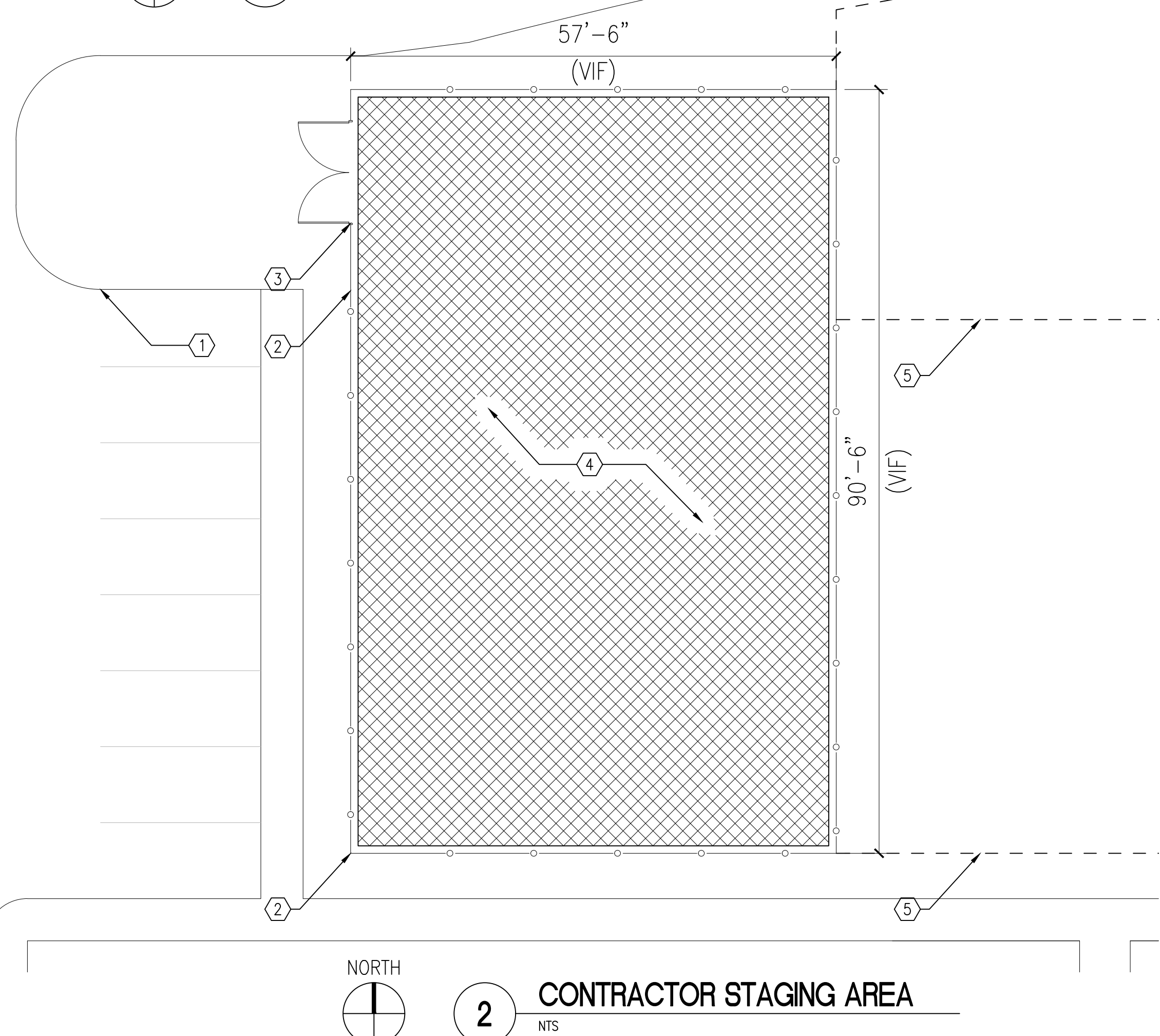
APPROVED PROJECT COR	DATE	APPROVED SERVICE LINE DIRECTOR	DATE	APPROVED INFECTION CONTROL NURSE	DATE
APPROVED GENR PROJECT MANAGER	DATE	APPROVED PATIENT SAFETY	DATE	APPROVED CHIEF OF POLICE	DATE
APPROVED PROJECTS SECTION MANAGER	DATE	APPROVED CHIEF OF POLICE	DATE	APPROVED SAFETY MANAGER	DATE
APPROVED DIRECTOR PMS	DATE	APPROVED SAFETY MANAGER	DATE		

DRAWING TITLE	GENERAL - INFECTION CONTROL PLAN - FIRST FLOOR	DATE	10/28/22
PROJECT TITLE	CONSTRUCT PACT CLINIC BUILDING 4 FIRST FLOOR	PLANT SCALE	
APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE	APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE
APPROVED CHIEF OF STAFF	DATE	APPROVED CHIEF OF STAFF	DATE
APPROVED HEALTH CARE SYSTEM DIRECTOR	DATE	APPROVED HEALTH CARE SYSTEM DIRECTOR	DATE
BUILDING No	4	DESIGNED BY	DA
DRAWN	LC	DRAWING No	G1411
LOCATION	ST. CLOUD VAHCS ST. CLOUD, MN 56303	DWG. OF	

**VA**  
 U.S. Department of Veterans Affairs  
 Veterans Health Administration  
 St. Cloud VA Health Care System



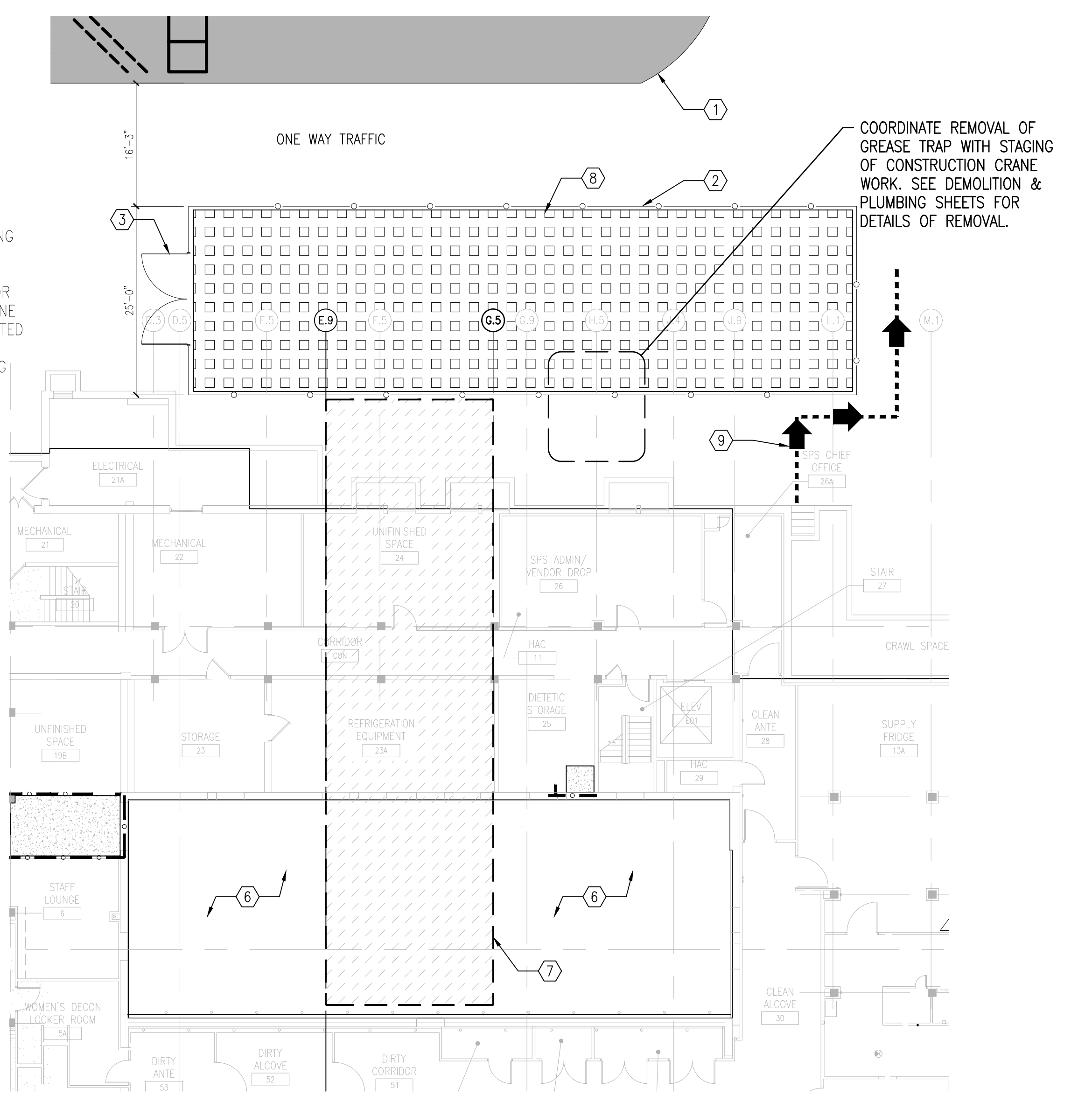
**1 GENERAL - STAGING PLAN - SITE**  
NTS



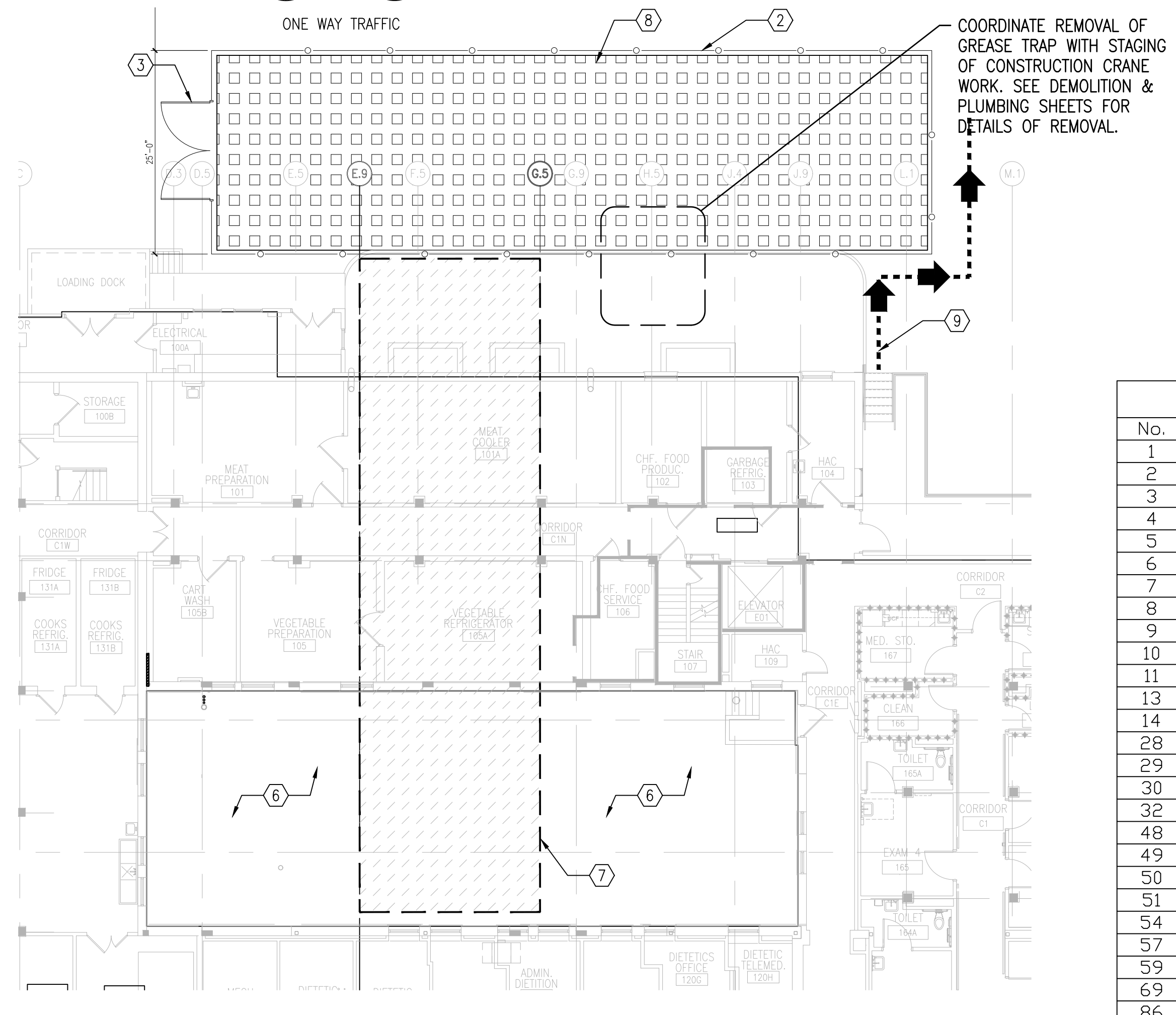
**2 CONTRACTOR STAGING AREA**  
NTS

**BASIS OF DESIGN FOR EXCAVATION AND CONSTRUCTION INFILL**

- BASIS OF DESIGN FOR THE EXCAVATION AND CONSTRUCTION OF INFILL IS THAT NO LARGE OPENING WILL BE MADE TO THAT EXISTING STRUCTURE TO BRING IN OR OUT ANY LARGE EQUIPMENT/MATERIAL. ALL MATERIAL/SPOILS/HEAVY EQUIPMENT WILL BE PICKED AND CRANED INTO AND OUT OF THE COURTYARD AREA.
- BASIS OF DESIGN FOR CRANE LOCATION IS SHOWN ON PLAN. AS PER THE PICK PLAN THE TWO FLOORS THAT ARE IN THE PATH OF THE CRANE ARE TO BE UNOCCUPIED. CONTRACTOR SHALL VERIFY WITH VA COR AND VA SAFETY PRIOR TO ANY CRANE WORK. SINCE THE TWO FLOORS IN THE PATH OF THE CRANE ARE UNOCCUPIED THE CRANE SHALL BE ABLE TO MOVE EQUIPMENT, MATERIALS, DEBRIS, ETC. IN AND OUT OF THE COURTYARD DURING NORMAL BUSINESS HOURS.
- CONTRACTOR SHALL PROVIDE CLEANING OF THE VA ROADS IN AND OUT OF THE CONSTRUCTION SITE UP TO 1000 FEET IN EITHER DIRECTION (2000 FEET TOTAL).
- CONTRACTOR SHALL PROVIDE ALL NECESSARY CONSTRUCTION SIGNS REROUTING BOTH PEDESTRIAN AND VEHICULAR TRAFFIC AROUND THE CONSTRUCTION AND CRANE LOCATION.
- CONTRACTOR SHALL NOT ALLOW ANY STANDING OR RUNNING VEHICULAR TRAFFIC AROUND THE CONSTRUCTION AND CRANE LOCATION.
- CONTRACTOR SHALL NOT ALLOW ANY STANDING OR RUNNING VEHICULAR TRAFFIC AROUND THE CONSTRUCTION SITE.
- CONTRACTOR TO PROVIDE ALL NECESSARY FLAGGERS DURING MOVING OF CONSTRUCTION EQUIPMENT.



**3 CRANE STAGING PLAN - BASEMENT LEVEL**  
NTS



**4 CRANE STAGING PLAN - FIRST FLOOR LEVEL**  
NTS

**GENERAL STAGING NOTES**

- SIZE OF TEMPORARY CONSTRUCTION TRAILERS SHALL BE COORDINATED WITH THE VA.
- CONTRACTOR WILL BE GIVEN (1) SEMI TRAILER PARKING FOR STORAGE OF MATERIALS THAT ARE TO BE INSTALLED ON SITE WITHIN FIVE BUSINESS DAYS.
- CONTRACTOR WILL BE ISSUED PARKING PERMITS FOR CONTRACTOR VEHICLE PARKING IN IDENTIFIED AREA OR IN ANOTHER LOCATION OF SIMILAR DISTANCE TO THE PROJECT SITE AS DIRECTED BY THE COR. ALL OTHER PARKING MUST BE WITHIN THE PROJECT SITE(S). POLICE WILL TICKET AND OR TOW AT THE EXPENSE OF THE VEHICLE OWNER FOR PARKING ELSEWHERE.
- IF THE CONTRACTOR WANTS A TEMPORARY CONSTRUCTION OFFICE TRAILER, IT SHALL BE IN THE CONTRACTOR STAGING AREA, DESIGNATED HERE, AND SHALL BE 30 FEET (MIN) AWAY FROM ALL STRUCTURES.
- CONTRACTOR SHALL PROVIDE MEANS & METHODS TO SECURE THE STAGING AREA. AT A MINIMUM THIS SHALL INCLUDE TEMPORARY CONSTRUCTION FENCING AROUND THE STAGING AREA PERIMETER. THE FENCING SHALL INCLUDE A CONSTRUCTION GATE AND SEPARATE PERSONNEL DOOR THAT CAN BE LOCKED, WITH A KEY ACCESS BY VA STAFF AND OTHER AUTHORIZED PERSONNEL. DOOR SHALL OPEN FROM INSIDE FOR EGRESS AT ALL TIMES. COORDINATE WITH VA-COR.
- CONTRACTOR SHALL PROVIDE DRIVE-OFF ROCK TO PREVENT VEHICLE TRACKING ON ROADS.
- CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION AGAINST SOIL RUN-OFF INCLUDING BUT NOT LIMITED TO SILT FENCING AND OTHER EROSION CONTROL BARRIERS.
- CONTRACTOR SHALL RESTORE IN THE COMPLETED WORK ALL LAWN AREAS THAT ARE REMOVED, DAMAGED OR OTHERWISE DISTURBED WITH SOD THAT IS COMPATIBLE WITH THE EXISTING PLANTING.
- CONTRACTOR SHALL RESTORE AS PART OF THE COMPLETED WORK ALL CURBS, ASPHALT PAVING AND/OR CONCRETE WALKS THAT ARE DAMAGE OR REMOVED DURING CONSTRUCTION STAGING ACTIVITIES.

**STAGING PLAN LEGEND**

- EXISTING CONSTRUCTION TO REMAIN
- AREA OF WORK
- CONTRACTOR STAGING AREA
- CRANE AND MATERIAL STAGING AREA
- CRANE BOOM EXTENSION/MOVEMENT ALLOWANCE AREA
- PATH OF ACCESS FOR STAFF AND PATIENTS

**STAGING PLAN KEYNOTES**

- EXISTING CURB.
- CONTRACTOR SECURITY FENCE. 8'-0" HIGH.
- PAIR - 6'-0" WIDE GATES.
- CONTRACTOR STAGING AREA.
- FUTURE CONTRACTOR STAGING AREAS FOR OTHER CONTRACTS.
- EXISTING COURTYARD.
- LIMITS OF CRANE BOOM AND JIB MOVEMENT.
- CRANE AND MATERIAL STAGING AREA.
- PATH OF ACCESS FOR STAFF AND PATIENTS.

**BUILDING LEGEND**

No.	BUILDING SCHEDULE	No.	BUILDING SCHEDULE
1	OUTPATIENT CLINIC	87	PUMPING STATION
2	CHEMICAL DEPENDENCE	88	CHAPEL
3	F.M.S. & DENTAL	91	BOILER BLOWDOWN PUMPHOUSE
4	DIETETICS & ADMINISTRATION	92	V.F.W. RECREATION-DR. REID BLD
5	PHARMACY	93	A.L.A. RECREATION
6	UTILITY SHOPS	94	ELECTRIC METER HOUSE
7	BOILER HOUSE	95	CANTEEN
8	AUDITORIUM/RECREATION	96	RECREATION
9	IDMICILIARY-POLICE	97	GENERATOR
10	DSS	99	GENERATOR
11	BUSINESS OFFICE/CONTRACTING	100	ENGINEERING STORAGE
13	ENGINEER STORAGE	103	GENERATOR
14	SUPPLY WAREHOUSE	104	SUPPLY WAREHOUSE
28	MENTAL HEALTH	105	STORAGE
29	AUDILOGY, RELEASE OF INFORM.	106	GAME FARM
30	SUPPLY & ENGINEER STORAGE	107	ENGINEERING STORAGE
32	THREE CAR STORAGE	108	PHARMACY/TELEPHONE
48	A.D.H.C.-NURSE ED.	111	MENTAL HEALTH
49	COMMUNITY LIVING CENTER	112E	GENERATOR
50	COMMUNITY LIVING CENTER	112W	GENERATOR
51	COMMUNITY LIVING CENTER	113	GENERATOR
54	STATION GARAGE	114	GENERATOR/PUMP HOUSE
57	CWT	115	MENTAL HEALTH
59	LAUNDRY	116	REHABILITATION
69	STORAGE	117	GENERATOR
86	WATER TOWER	118	KITCHEN

10/28/2022 - ISSUE FOR 100% CONSTRUCTION DOCUMENTS

No.	REVISION	DATE

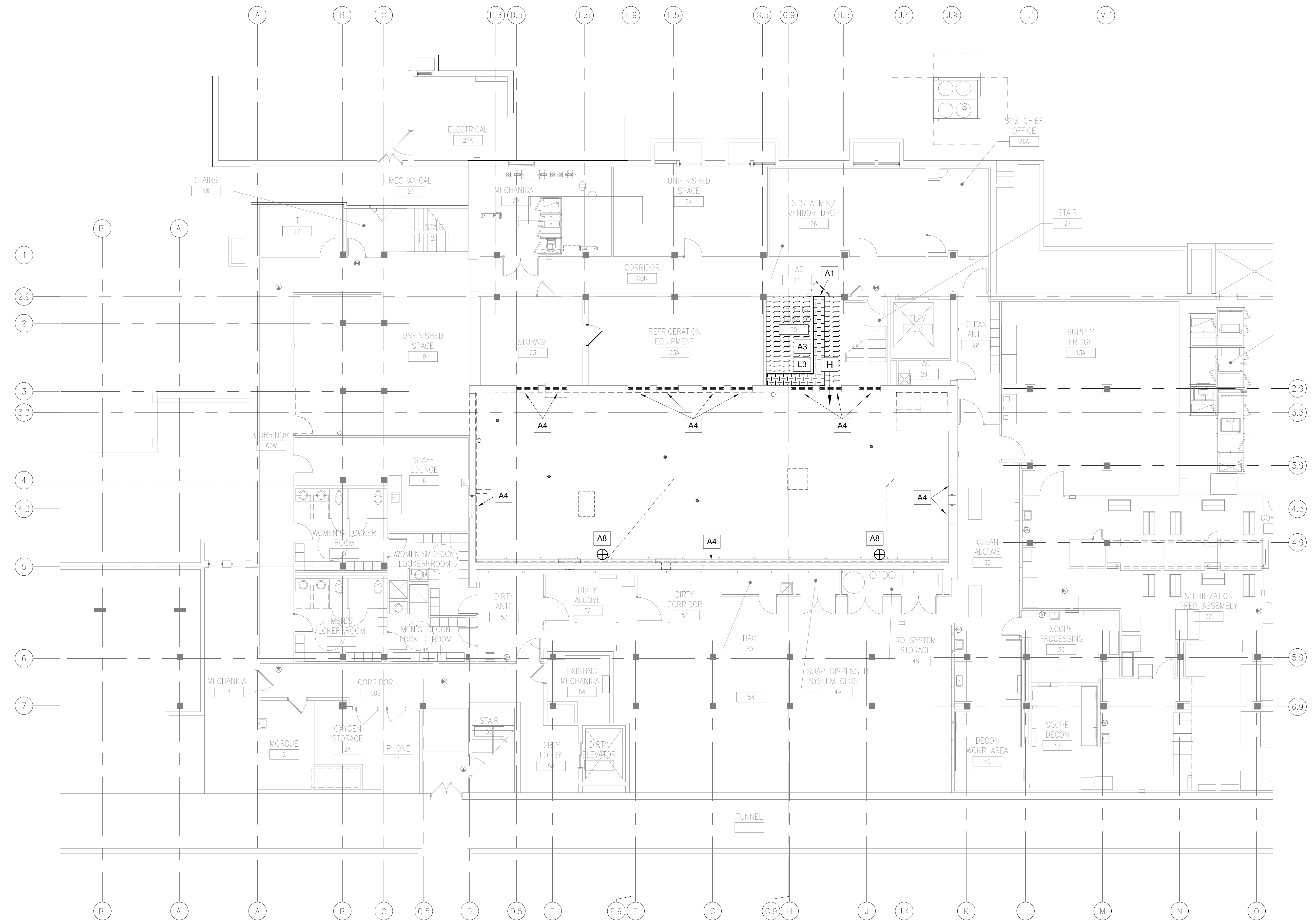
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.  
 Print Name: DENNIS J MIKA  
 Signature: *[Signature]*  
 Date: 10-28-22 License # 56382

ARCHITECT/ENGINEER OF RECORD  
*[Signature]*  
 BANCROFT ARCHITECTS + ENGINEERS  
 700 Nicholas Blvd, Suite 300  
 Elk Grove Village, IL 60007  
 T: 847.952.9362  
 www.bancroft-a-e.com  
 BAE PROJECT NO. 18-116

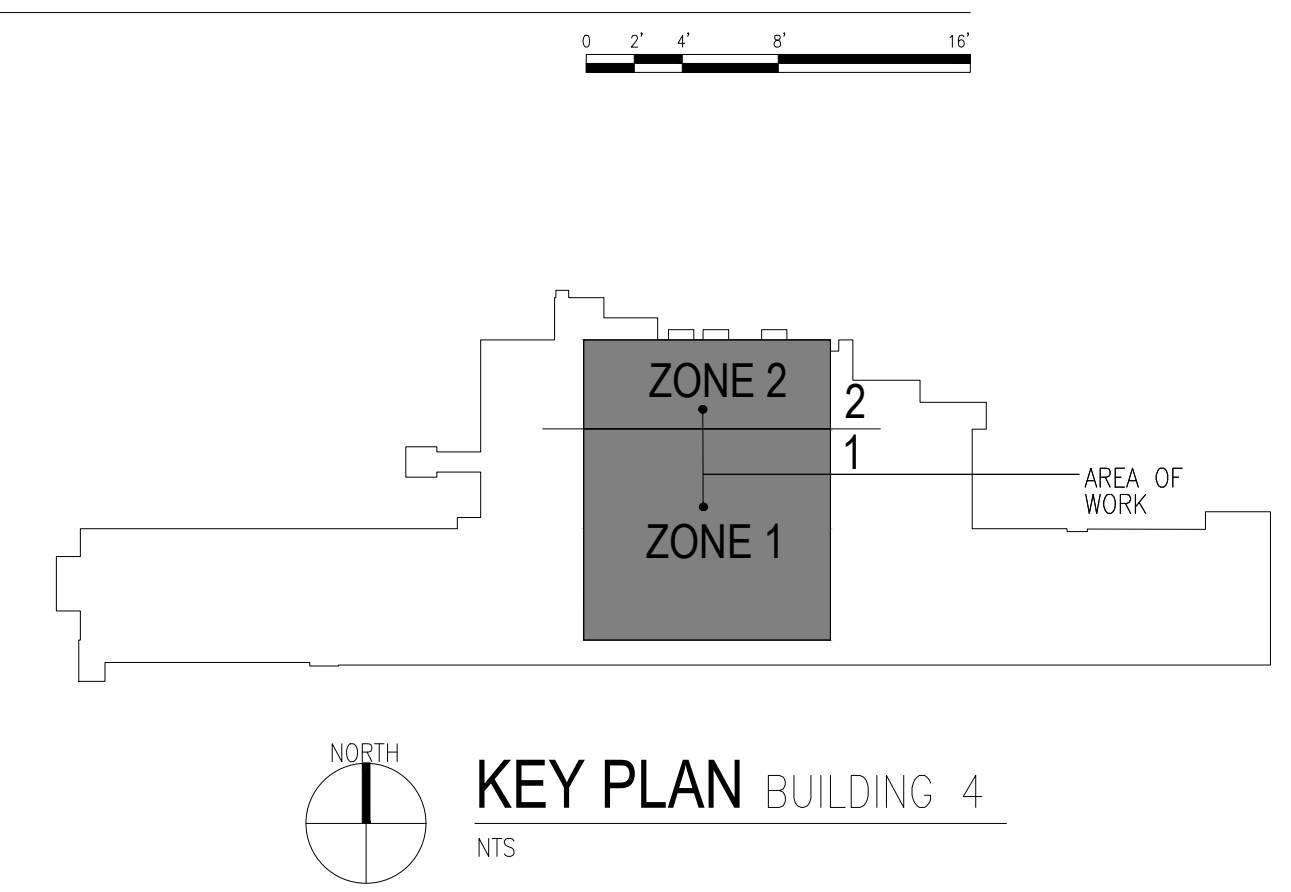
APPROVED PROJECT COR	DATE	APPROVED SERVICE LINE DIRECTOR	DATE	APPROVED INFECTION CONTROL NURSE	DATE
APPROVED GEN'S PROJECT MANAGER	DATE	APPROVED PATIENT SAFETY	DATE	APPROVED CHIEF OF POLICE	DATE
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APPROVED DIRECTOR PMS	DATE	APPROVED SAFETY MANAGER	DATE		

ISSUING TITLE	DATE	PROJECT TITLE	DATE
GENERAL - STAGING PLAN - SITE	10/28/22	CONSTRUCT PACT CLINIC BUILDING 4 FIRST FLOOR	10/28/22
APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE	PROJECT NO.	656-400
		DRIVING NO.	GC101
		CHECKED BY	DA
			KK
		LOCATION	ST. CLOUD VAHCS ST. CLOUD, MN 56303
		DWG. OF	





1 HAZARDOUS MATERIALS PLAN - ASBESTOS/LEAD - BASEMENT  
1/8"=1'-0"



**HAZARDOUS PLAN NOTES**

- REFER TO SPECIFICATIONS 028211, 028213.19 AND 028333.13 FOR ASBESTOS AND LEAD PAINT REMOVAL AND ABATEMENT REQUIREMENTS AND PROCEDURES.
- REFER TO ASBESTOS INSPECTION REPORT 04-26-2017 AND CURRENT ASBESTOS/LEAD CONSULTANT FINDINGS.

**ASBESTOS ABATEMENT LEGEND**

- REMOVE ASBESTOS-CONTAINING 12" FLOOR TILE AND BLACK MASTIC UNDER CARPET AS INDICATED IN THE KEYNOTES
- REMOVE ASBESTOS-CONTAINING 12" FLOOR TILE AND BLACK MASTIC AS INDICATED IN THE KEYNOTES
- REMOVE ASBESTOS-CONTAINING ADHESIVE UNDER NON-ASBESTOS 12" WALL TILE AS INDICATED IN THE KEYNOTES
- REMOVE ASBESTOS-CONTAINING PIPE INSULATION (VERTICAL RISERS & HORIZONTAL RUNS) AS INDICATED IN THE KEYNOTES
- REMOVE WINDOW WITH ASBESTOS-CONTAINING GLAZING COMPOUND AND CAULKING AND LBP AS INDICATED IN THE KEYNOTES. DISPOSE AS ACM.
- REMOVE ROOF DRAIN WITH ASBESTOS-CONTAINING BITUMINOUS COATING AS INDICATED IN THE KEYNOTES

**LEAD ABATEMENT LEGEND**

- REMOVE LEAD-BASED PAINTED WINDOW AS INDICATED IN THE KEYNOTES
- REMOVE LEAD-CONTAINING GLAZED CERAMIC BLOCK WALL AS INDICATED IN THE KEYNOTES
- REMOVE DOOR WITH LEAD-BASED PAINT AS WHOLE COMPONENT AS INDICATED IN THE KEYNOTES
- REMOVE DUCTWORK WITH LEAD-BASED PAINT AS WHOLE COMPONENT AS INDICATED IN THE KEYNOTES

**ABATEMENT GENERAL NOTES**

- THE SCOPE OF THE ASBESTOS RELATED WORK CONSISTS OF REMOVING ASBESTOS CONTAINING PIPE AND FITTING INSULATION, AND ASBESTOS CONTAINING FLOORING AND MASTIC.
- ALL WORK SHALL BE CONDUCTED IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS AND THE CONTRACT SPECIFICATIONS.
- THE ABATEMENT WORK SHALL BE CONDUCTED DURING REGULAR BUSINESS HOURS (8:00 AM - 4:30 PM) EXCLUDING FEDERAL HOLIDAYS.
- WORK SCHEDULES AND LIMITS OF ABATEMENT SHALL BE COORDINATED WITH THE VA COR AND VPIH FOR APPROVALS.
- THE ABATEMENT CONTRACTOR SHALL SUBMIT A DETAILED WORK PLAN AND ABATEMENT SCHEDULE WITH THE REQUIRED SUBMITTALS. ANY CHANGES TO THE PROCEDURES, CONTAINMENT LIMITS AND PHASING SHALL BE SUBMITTED TO THE VA COR AND VPIH FOR APPROVALS.
- THE LOCATIONS AND QUANTITIES OF ALL ABATEMENT SHALL BE FIELD VERIFIED BY THE ABATEMENT CONTRACTOR AND THE GENERAL CONTRACTOR. THE LIMITS OF REMOVAL AND EXTENT OF THE CONTAINMENTS SHALL BE VERIFIED WITH THE VA COR AND VPIH. FOR CLARITY, THE DRAWINGS ONLY SHOW REPRESENTATIVE LOCATIONS OF PIPING.
- ALL LOADOUT PROCEDURES SHALL BE COORDINATED WITH THE VA COR AND VPIH.
- A FULL DECONTAMINATION UNIT IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS SHALL BE REQUIRED FOR EACH CONTAINMENT WITH FLOOR TILE OR MASTIC REMOVAL AND ALSO PIPE INSULATION QUANTITIES GREATER THAN 25 LF. THE LOCATIONS OF ABATEMENT DECONTAMINATION UNITS AND WASTE DISPOSAL CONTAINERS SHALL BE FIELD VERIFIED WITH THE VA COR AND VPIH.
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- A3** REMOVE ASBESTOS-CONTAINING 12" FLOOR TILE AND MASTIC UNDER FULL CONTAINMENT
- A4** WHOLE COMPONENT REMOVAL OF WINDOW UNIT WITH ASBESTOS-CONTAINING GLAZING COMPOUND AND CAULKING AND LBP. WINDOW OPENINGS SHALL BE TEMPORARILY COVERED USING 1/2" PLYWOOD WITH 2"x4" SUPPORTS AND SEALED WITH 6 MIL POLY AND DUCT TAPE.
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- A6** REMOVE ASBESTOS-CONTAINING PIPE INSULATION, UNDER FULL CONTAINMENT, WHICH IS EXPOSED AS A RESULT OF WALL DEMOLITION.
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ISSUE FOR 100% CONSTRUCTION DOCUMENTS	10/28/22
REVISION	DATE



ARCHITECT/ENGINEER OF RECORD

**Bancroft**  
BANCROFT ARCHITECTS + ENGINEERS

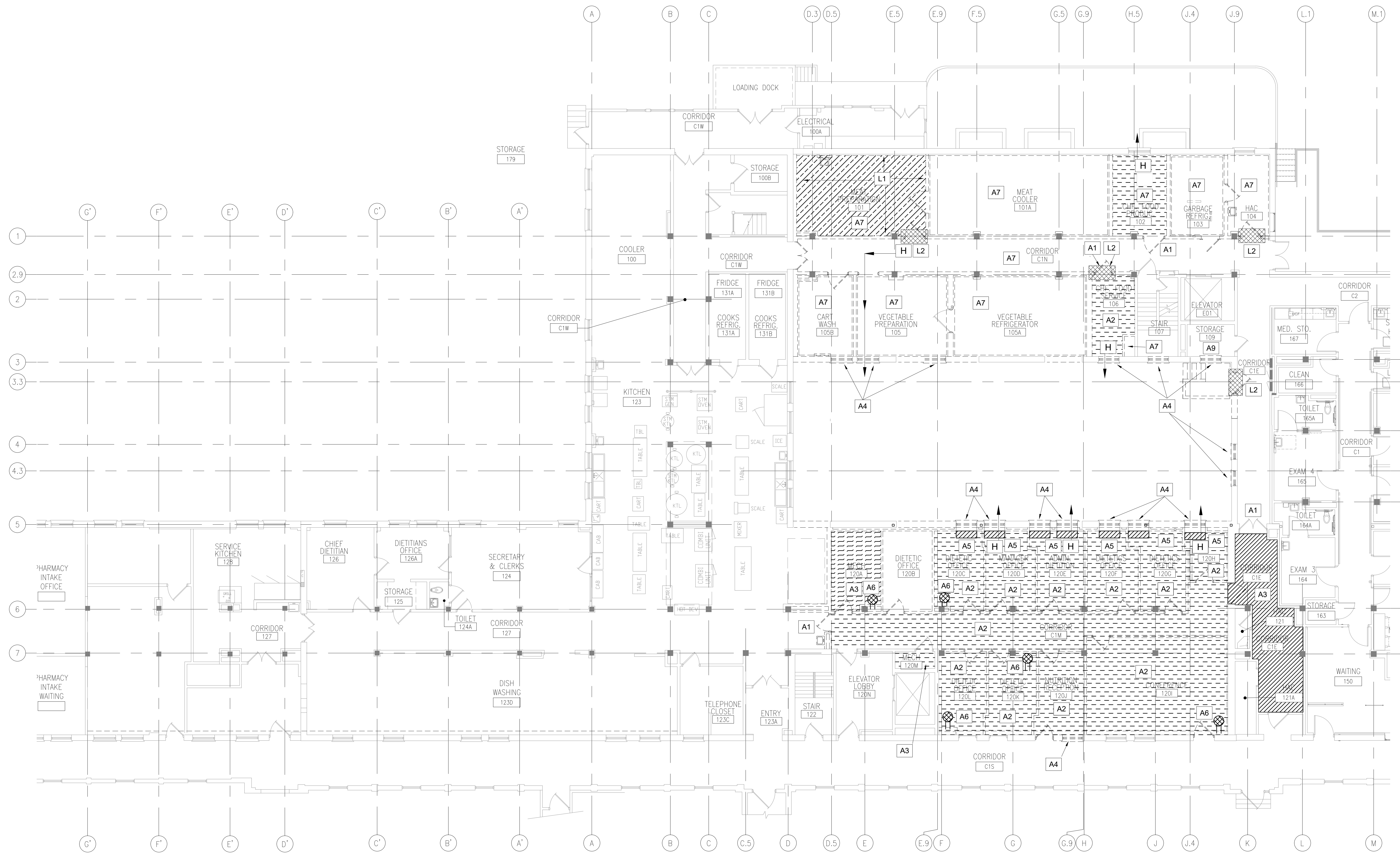
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T: 847.952.9362  
www.bancroft-a-e.com  
BAE PROJECT NO. 18-116

APPROVED PROJECT GDR	DATE:	APPROVED SERVICE LINE DIRECTOR	DATE:	APPROVED INFECTION CONTROL NURSE	DATE:
APPROVED GEMS PROJECT MANAGER	DATE:	APPROVED PATIENT SAFETY	DATE:	APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE:
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DRAWING TITLE	HAZARDOUS MATERIALS PLAN - ASBESTOS/LEAD - BASEMENT	PROJECT TITLE	CONSTRUCT PACT CLINIC BUILDING 4 FIRST FLOOR	DATE	10/28/22
DATE		PROJECT NO.	656-400	PROJECT SCALE	
APPROVED CHIEF OF STAFF	DATE:	BUILDING NO.	4	CHECKED BY	BV
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U.S. Department of Veterans Affairs  
Veterans Health Administration  
St. Cloud VA Health Care System



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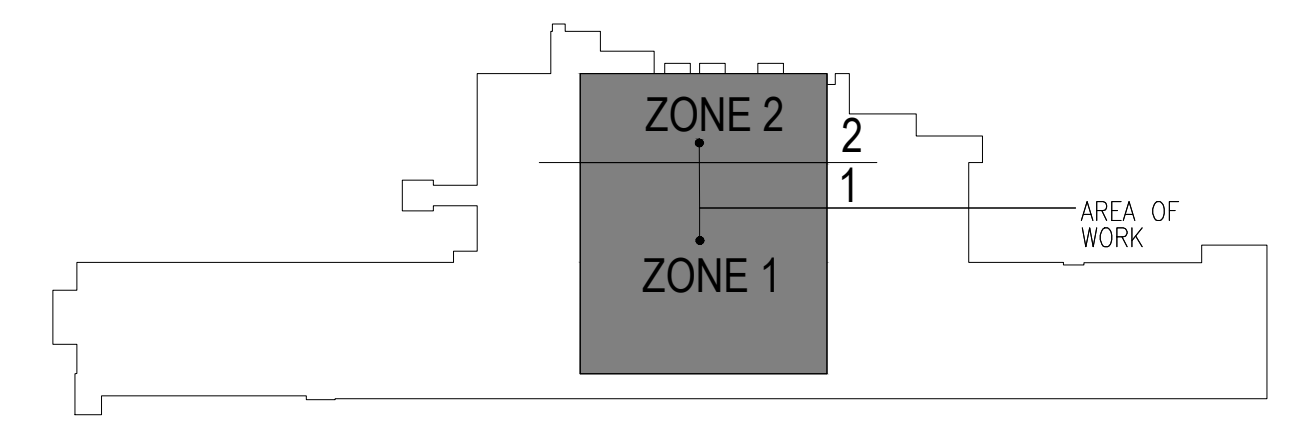
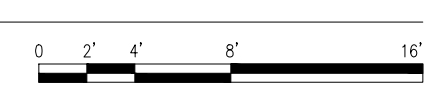
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**HAZARDOUS MATERIALS PLAN - ASBESTOS/LEAD - FIRST FLOOR**  
1/8"=1'-0"



**KEY PLAN BUILDING 4**  
NTS

10/28/2022 - ISSUE FOR 100 % CONSTRUCTION DOCUMENTS

<p>0201 West Broadway Brooklyn Park, MN 55445 Tel: 763.315.7900 Toll Free: 800.233.9513</p>	<p style="text-align: center;">ARCHITECT/ENGINEER OF RECORD</p> <p style="text-align: center;"><i>Bancroft</i></p> <p style="text-align: center;">700 Nicholas Blvd, Suite 300 Elk Grove Village, IL 60007 T: 847.952.9362 www.bancroft-ae.com BAE PROJECT NO. 18-116</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>APPROVED PROJECT GSR</td> <td>DATE:</td> <td>APPROVED SERVICE LINE DIRECTOR</td> <td>DATE:</td> <td>APPROVED INFECTION CONTROL NURSE</td> <td>DATE:</td> </tr> <tr> <td>APPROVED GEMS PROJECT MANAGER</td> <td>DATE:</td> <td>APPROVED PATIENT SAFETY</td> <td>DATE:</td> <td>APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR</td> <td>DATE:</td> </tr> <tr> <td>APPROVED PROJECTS SECTION MANAGER</td> <td>DATE:</td> <td>APPROVED CHIEF OF POLICE</td> <td>DATE:</td> <td>APPROVED CHIEF OF STAFF</td> <td>DATE:</td> </tr> <tr> <td>APPROVED DIRECTOR PHS</td> <td>DATE:</td> <td>APPROVED SAFETY MANAGER</td> <td>DATE:</td> <td>APPROVED HEALTH CARE SYSTEM DIRECTOR</td> <td>DATE:</td> </tr> </table>	APPROVED PROJECT GSR	DATE:	APPROVED SERVICE LINE DIRECTOR	DATE:	APPROVED INFECTION CONTROL NURSE	DATE:	APPROVED GEMS PROJECT MANAGER	DATE:	APPROVED PATIENT SAFETY	DATE:	APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE:	APPROVED PROJECTS SECTION MANAGER	DATE:	APPROVED CHIEF OF POLICE	DATE:	APPROVED CHIEF OF STAFF	DATE:	APPROVED DIRECTOR PHS	DATE:	APPROVED SAFETY MANAGER	DATE:	APPROVED HEALTH CARE SYSTEM DIRECTOR	DATE:	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DRAWING TITLE</td> <td>DATE:</td> </tr> <tr> <td>HAZARDOUS MATERIALS PLAN - ASBESTOS/LEAD - FIRST LEVEL</td> <td>10/28/22</td> </tr> <tr> <td>PROJECT TITLE</td> <td>PROJECT SCALE:</td> </tr> <tr> <td>CONSTRUCT PACT CLINIC BUILDING 4 FIRST FLOOR</td> <td></td> </tr> <tr> <td>BUILDING NO.</td> <td>DRAWN BY:</td> </tr> <tr> <td>4</td> <td>BV</td> </tr> <tr> <td>CHECKED BY:</td> <td>DRAWING NO.:</td> </tr> <tr> <td>BV</td> <td>HA002</td> </tr> <tr> <td>LOCATION:</td> <td>DWG. OF:</td> </tr> <tr> <td>ST. CLOUD VAHCS</td> <td></td> </tr> <tr> <td>ST. CLOUD, MN 56303</td> <td></td> </tr> </table>	DRAWING TITLE	DATE:	HAZARDOUS MATERIALS PLAN - ASBESTOS/LEAD - FIRST LEVEL	10/28/22	PROJECT TITLE	PROJECT SCALE:	CONSTRUCT PACT CLINIC BUILDING 4 FIRST FLOOR		BUILDING NO.	DRAWN BY:	4	BV	CHECKED BY:	DRAWING NO.:	BV	HA002	LOCATION:	DWG. OF:	ST. CLOUD VAHCS		ST. CLOUD, MN 56303	
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1 GENERAL NOTES

- 1.1 POSSIBLE DESIGN CRITERIA
- a BUILDING CODE: INTERNATIONAL BUILDING CODE 2018
- b RISK CATEGORY IV
- c THE STRUCTURAL FRAMING INDICATED ON THE FOLLOWING STRUCTURAL DOCUMENTS ARE IMPROVEMENTS TO AN EXISTING STRUCTURE. STRUCTURAL IMPROVEMENTS ARE DESIGNED IN ACCORDANCE WITH THE BUILDING CODE NOTED ABOVE. ALL EXISTING FRAMING SHOWN IS BASED ON THE ORIGINAL STRUCTURAL DESIGN DRAWINGS DATED 1923, 1954, & 2019 UNDERPINNING. THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL EXISTING CONDITIONS INCLUDING ALL DIMENSIONS AND ELEVATIONS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY COR OF ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND THE DESIGN DOCUMENTS. THE STRUCTURAL DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.

2 DESIGN LOADS

- a BASEMENT
  - LL = 150 PSF
  - FIRST FLOOR LOAD
    - LL = 100PSF
  - ROOF / FUTURE SECOND FLOOR
    - LL = 100 PSF
  - ROOF LOAD CAST-IN CONCRETE
    - LL = 20 PSF
- b SNOW = 45 PSF

c SNOW LOAD

- GROUND SNOW LOAD P<sub>g</sub> 50 PSF
- IMPORTANCE FACTOR I = 1.2
- SNOW EXPOSURE FACTOR C<sub>e</sub> 1.0
- SNOW THERMAL FACTOR C<sub>t</sub> 1.0
- FLAT ROOF SNOW LOAD P<sub>f</sub> 45 PSF
- d WIND LOADS (ASCE7-10)

e WINDS

- BASIC WIND SPEED 120 mph (3 SEC GUST)
- RISK CATEGORY IV
- WIND EXPOSURE B
- INTERNAL PRESSURE COEFFICIENT +/- .18
- COMPONENTS & CLADDING
  - TRIBUTARY AREA > 100 SQUARE FEET
    - ROOF ZONE 1 +16'-24 PSF
    - ROOF ZONE 2 +16'-28 PSF
    - ROOF ZONE 3 +16'-28 PSF
  - TRIBUTARY AREA 10 SQUARE FEET
    - ROOF ZONE 1 +16'-26 PSF
    - ROOF ZONE 2 +16'-44 PSF
    - ROOF ZONE 3 +16'-66 PSF
- WALLS (TRIBUTARY AREA > 100 SQUARE FEET)
  - WALL ZONE 4 +24'-26 PSF
  - WALL ZONE 5 +24'-31 PSF

f SEISMIC LOADS

- RISK CATEGORY IV
- SEISMIC IMPORTANCE FACTOR I = 1.5
- SEISMIC
  - Ss 079 Sds 084
  - S1 022 Sd1 035
- SITE CLASS D
- SEISMIC DESIGN CATEGORY A
- BASIC SEISMIC FORCE RESISTING SYSTEM: ORDINARY MOMENT RESISTING REINFORCED CONCRETE MOMENT FRAME

g RESPONSE MODIFICATION FACTOR R = 3

- SEISMIC RESPONSE COEFFICIENT C<sub>s</sub> = 0.1 (ASCE 7-16 1.4)
- DESIGN BASE SHEAR (LRFD) 12k
- BLAST LOAD
- NOT APPLICABLE

h FUTURE ADDITION

- THE STRUCTURAL FRAMING ON THE CONTRACT DOCUMENTS IS DESIGNED FOR A CONVERSION OF THE ROOF TO A SECOND FLOOR AND ADDITION OF A CAST-IN PLACE CONCRETE ROOF OVER THE NEW SECOND FLOOR. THE FUTURE ADDITION WILL INCLUDE CONVERSION OF THE PRESENT ROOF TO A FLOOR LOADING.

1.3 GENERAL REQUIREMENTS

- a DEFINITIONS
  - PRIMARY STRUCTURAL SYSTEM IS THE COMPLETED COMBINATION OF ELEMENTS WHICH SERVE TO SUPPORT THE BUILDING'S SELF-WEIGHT, THE APPLICABLE LIVE LOAD, AND THE ENVIRONMENTAL LOADS SUCH AS WIND, SEISMIC.
  - PRE-ENGINEERED STRUCTURAL ELEMENTS ARE STRUCTURAL ELEMENTS WHICH ARE SPECIFIED BY THE OWNER AS DESIGN DELEGATED ITEMS TO BE THE DESIGN RESPONSIBILITY OF A SPECIALTY STRUCTURAL ENGINEER (SSE) SPECIAL INSPECTION IS INSPECTION PERFORMED BY A QUALIFIED PERSON, APPROVED BY THE BUILDING OFFICIAL, FOR THE TYPES OF WORK REQUIRING INSPECTION PER THE GOVERNING CODES AND CONTRACT DOCUMENTS.
  - SPECIALTY STRUCTURAL ENGINEER (SSE) IS A LICENSED PROFESSIONAL/STRUCTURAL ENGINEER, NOT THE SER, WHO IS RESPONSIBLE FOR SEALING PLANS AND DESIGNS FOR PRE-ENGINEERED STRUCTURAL ELEMENTS WHICH ARE NECESSARY FOR THE STRUCTURE TO BE COMPLETED AND THE OWNER HAS DESIGNATED AS DESIGN DELEGATED ITEMS.
  - STRUCTURAL ENGINEER OF RECORD (SER) IS THE STRUCTURAL ENGINEER WHO IS LEGALLY ELIGIBLE TO SEAL THE STRUCTURAL DOCUMENTS FOR A BUILDING PROJECT. THE SER IS RESPONSIBLE FOR THE DESIGN OF THE PRIMARY STRUCTURAL SYSTEM.
  - DESIGNATED REPRESENTATIVE FOR CONSTRUCTION (GENERAL CONTRACTOR) IS RESPONSIBLE FOR THE OVERALL CONSTRUCTION OF THE PROJECT INCLUDING PROJECT SCHEDULING, JOB SITE SAFETY AND MEANS AND METHODS OF CONSTRUCTION.
  - CONTRACTING OFFICER'S REPRESENTATIVE (COR) IS A QUALIFIED PERSON EMPLOYED OR RETAINED BY AN APPROVED AGENCY AND APPROVED BY THE BUILDING OFFICIAL AS HAVING THE COMPETENCE NECESSARY TO INSPECT A PARTICULAR TYPE OF CONSTRUCTION REQUIRING SPECIAL INSPECTION.
- b THE STRUCTURAL DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE SPECIFICATIONS.
- c THE CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL AND ARCHITECTURAL DRAWINGS AND WITH THE MECHANICAL CONTRACTOR, THE LOCATION OF ALL MECHANICAL EQUIPMENT.
- d THE CONTRACTOR SHALL NOTIFY COR IF THE WEIGHTS OF MECHANICAL UNITS ETC. ARE DIFFERENT FROM THE WEIGHTS POSTED ON THE DESIGN DRAWINGS. DISCREPANCIES SHALL BE RESOLVED BEFORE PROCEEDING WITH CONSTRUCTION.
- e THE CONTRACTOR SHALL NOTIFY COR IMMEDIATELY OF ANY DISCREPANCIES

TO AVOID THE POSSIBILITY OF UNNECESSARY FUTURE PROBLEMS AND POSSIBLE FIELD ORDERS, FAILURE TO DO SO WILL PUT THE FULL RESPONSIBILITY OF CORRECTION ON THE COR.  
f THE CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES AND MAKE NECESSARY INVESTIGATIONS AND FIELD MEASUREMENTS.  
g DO NOT SCALE DRAWINGS.  
h THE SER HAS NO SUPERVISORY RESPONSIBILITY, HAS NO CONTROL OR RESPONSIBILITY FOR THE MEANS, METHODS, TECHNIQUES, PROCEDURES OR SEQUENCE OF CONSTRUCTION, HAS NO RESPONSIBILITY FOR THE FAILURE OF ANY CONTRACTOR TO PERFORM THE WORK IN ACCORDANCE WITH THE DESIGN DOCUMENTS AND NO RESPONSIBILITY TO DEVISE, IMPLEMENT OR ENFORCE ANY SAFETY PRECAUTIONS OR PROGRAMS FOR THE PROJECT.  
i ANY SHORING PROCEDURES INDICATED ON THE DESIGN DOCUMENTS ARE CONCEPTUAL ONLY AND SHALL BE CONFIRMED BY THE GENERAL CONTRACTOR'S STRUCTURAL ENGINEERS.

1.4 SLEEVES, ANCHORAGES, OPENINGS, ETC.

- a IN GENERAL, STRUCTURAL DRAWINGS DO NOT SHOW EQUIPMENT PADS, DRAINS, HOLES, ANCHORAGES, INSERTS AND SLEEVES FOR ITEMS PASSING THROUGH OR ATTACHED TO CONCRETE OR FRAMING. REFER TO ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND PROJECT SPECIFICATIONS. ADJUST EQUIPMENT PADS AND SUB FRAMING TO FIT EQUIPMENT FURNISHED.
- b PROVIDE SUB FRAMING FOR EQUIPMENT SUPPORTED ON OR SUSPENDED FROM THE STRUCTURE.

1.5 STRUCTURAL STABILITY AND CONSTRUCTION

- a INDIVIDUAL STRUCTURAL COMPONENTS ARE DESIGNED TO SUPPORT LOADS IN THEIR FINAL ERECTED POSITION AS PART OF THE TOTAL COMPLETED STRUCTURE.
- b CONTRACTOR TO PROVIDE TEMPORARY GUYING AND BRACING AS REQUIRED UNTIL ALL CONSTRUCTION AFFECTING LATERAL STABILITY IS COMPLETED.
- c CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR STABILITY OF STRUCTURE. ITS PARTS BY USE OF GUYING, BRACING, SHORING, BARRICADES, SAFETY RAILINGS AND DEVICES DURING THE ENTIRE PERIOD OF CONSTRUCTION.
- d CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL JOB SITE SAFETY RISK CATEGORY IV.
- 16 SHOP DRAWINGS AND TEST REPORTS
  - a CONTRACTOR SHALL CHECK ALL SHOP DRAWINGS BEFORE SUBMITTAL TO SER FOR REVIEW.
  - b CONTRACTOR SHALL PREPARE A SHOP DRAWING SUBMITTAL SCHEDULE WITH A MINIMUM OF TWO WEEKS INCLUDED FOR THE SER'S REVIEW OF EACH SUBMITTAL LISTED BELOW.
  - c REVIEW BY SER WILL BE FOR CONFORMANCE TO GENERAL LAYOUT AND DESIGN INTENT ONLY.
  - d CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ACCURACY OF DIMENSIONS, FABRICATION, FIT UP OF PARTS AND BILLS OF MATERIALS.
  - e CONTRACTOR SHALL COORDINATE WORK OF VARIOUS TRADES AND MAKE NECESSARY FIELD MEASUREMENTS.
  - f THE CONTRACT SPECIFICATIONS PROVIDE A COMPLETE LISTING OF SUBMITTALS. THE FOLLOWING IS A SUMMARY OF THE REQUIRED SUBMITTALS:
    - CONCRETE
    - CONCRETE MIX DESIGNS WITH ASSOCIATED HISTORICAL TEST DATA REINFORCING STEEL PLACEMENT DRAWINGS PER ACI 315
    - STRUCTURAL STEEL
      - STRUCTURAL STEEL SHOP DRAWINGS
      - CONNECTION DESIGN SIGNED AND SEALED BY LICENSED SSE.
      - COLD FORMED METAL FRAMING
        - COLD FORMED SHOP DRAWINGS
        - DESIGN CALCULATIONS SIGNED AND SEALED BY LICENSED SSE.
      - MISCELLANEOUS METALS (STAIRHANDRAIL GUARD RAIL LADDERS ETC.)
- 17 DEFERRED SUBMITTALS - OWNER SPECIFIED DESIGN DELEGATED COMPONENTS TO BE PROVIDED BY CONTRACTOR'S ENGINEERS
- a CERTAIN COMPONENTS OF THE COMPLETED CONSTRUCTION ARE DESIGN DELEGATED TO THE MANUFACTURER OF THE COMPONENT. THE MANUFACTURER'S SSE SHALL BE RESPONSIBLE FOR THE DESIGN OF THE COMPONENT. THE FOLLOWING ARE DESIGNATED TO BE DESIGN DELEGATED COMPONENTS ON THIS PROJECT:
  - STRUCTURAL STEEL CONNECTIONS
  - COLD FORMED STEEL FRAMING
  - TEMPORARY SHORING AND BRACING SIGNED BY MIN PE AND SUBMITTED FOR RECORD PURPOSES ONLY.
  - f TEMPORARY EARTH RETENTION SYSTEMS
  - g OTHER WORK AS LISTED ON DRAWINGS, SPECIFICATIONS AND CUSTOMARY INDUSTRY STANDARDS WHERE DELEGATION OF DESIGN IS SPECIFIED.
  - h THE MANUFACTURER SHALL BE RESPONSIBLE FOR RETAINING THE SERVICES OF A LICENSED SPECIALTY STRUCTURAL ENGINEER (SSE) IN THE STATE HAVING JURISDICTION. THE SSE SHALL DESIGN AND DETAIL COMPONENTS TO MEET GOVERNING BUILDING CODES, STANDARDS AND THE SPECIFIED PERFORMANCE CRITERIA. SIGNED AND SEALED CALCULATIONS SHALL BE SUBMITTED FOR RECORD. THE DESIGN DELEGATED SSE SHALL BE SOLELY RESPONSIBLE FOR THE DESIGN OF THE COMPONENT.
- i SSE SUBMITTALS WILL BE REVIEWED BY THE SER FOR LOADING CRITERIA AND GENERAL CONFORMANCE TO THE PRIMARY STRUCTURAL SYSTEM.
- 18 DEMOLITION
  - a THE ARCHITECTURAL/STRUCTURAL DEMOLITION DRAWINGS INDICATE THE GENERAL AREAS OF DEMOLITION. THE DRC SHALL VERIFY IN THE FIELD ALL ITEMS TO BE REMOVED TO MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
  - b THE DRC SHALL CAREFULLY REMOVE ONLY THE EXISTING ITEMS IDENTIFIED ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
  - c IN NO CASE SHALL THE REMOVAL OF ANY PORTION OF THE EXISTING STRUCTURE BE PERFORMED IN SUCH A MANNER AS TO AFFECT THE STRUCTURAL INTEGRITY OF THE REMAINING PORTION OF THE BUILDING.
  - d THE CONTRACTOR SHALL NOTIFY THE COR IMMEDIATELY OF ANY STRUCTURAL ITEMS WHICH NEED TO BE DEMOLISHED BUT ARE NOT CLEARLY IDENTIFIED ON THE STRUCTURAL OR ARCHITECTURAL DRAWINGS.
  - e THE CONTRACTOR SHALL MINIMIZE THE EXTENT OF THE DEMOLITION TO THE EXISTING STRUCTURE TO ONLY THAT REQUIRED TO INSTALL THE NEW BUILDING MODIFICATIONS.

- 1.9 STRUCTURAL TESTS AND INSPECTIONS (IBC 2018)
  - a AN INDEPENDENT APPROVED AGENCY SHALL PROVIDE SPECIAL INSPECTIONS AND TESTS DURING CONSTRUCTION IN ACCORDANCE WITH CHAPTER 17 OF IBC 2018.
  - b THE APPROVED AGENCY'S SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE TO THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS.
  - c THE APPROVED AGENCY SHALL KEEP RECORDS OF ALL SPECIAL INSPECTIONS AND TESTS AND SUBMIT REPORTS TO THE BUILDING OFFICIAL AND COR.
  - d ALL DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DRC FOR CORRECTION. IF UNCORRECTED, THE APPROVED AGENCY SHALL NOTIFY THE BUILDING OFFICIAL AND COR.
  - e REFER TO IBC 2018 1704.5 FOR SUBMITTALS TO THE BUILDING OFFICIAL IN ADDITION TO THE REPORTS.
  - f THE APPROVED AGENCY SHALL SUBMIT A FINAL REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS IN CONFORMANCE WITH THE APPROVED CONTRACT DOCUMENTS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THIS CODE.
  - g QUALITY CONTROL SHALL BE THE RESPONSIBILITY OF THE FABRICATOR/ERECTOR IN ACCORDANCE WITH AISC360-10 CHAPTER N.
  - h JOB SITE VISITS BY THE SER DO NOT CONSTITUTE AN OFFICIAL SPECIAL INSPECTION.

STATEMENT OF SPECIAL INSPECTIONS:

- a REFER TO THE REFERENCED DOCUMENTS (IBC 2018 CHAPTER 17, AISC 360-10 CHAPTER N, ACI308-13 CHAPTER 3) FOR ADDITIONAL DESCRIPTIONS OF REQUIREMENTS.
- b STRUCTURAL OBSERVATIONS FOR SEISMIC NOT REQUIRED
- c STRUCTURAL OBSERVATIONS FOR WIND NOT REQUIRED VASD = 93mph Exp. B.
- d THE FOLLOWING LIST OF MATERIALS AND WORK REQUIRE SPECIAL INSPECTIONS (P) PERIODIC; (C) CONTINUOUS

STRUCTURAL STEEL (1705.2 - AISC360-10 CHAPTER N)

- 1 INSPECTION TASKS PRIOR TO WELDING SHOPFIELD (AISC360-10 TABLE N5.4-1 & AWS D1.1)
- a REVIEW WELDING PROCEDURE SPECIFICATIONS (WPS) & WELDING CONSUMABLES (C)
- b FIT UP GROOVE AND FILLET WELDS (P)
- c CONFIGURATION OF ACCESS HOLES (P)
- d INSPECTION TASKS DURING WELDING SHOPFIELD (AISC360-10 TABLE N5.4-2 & AWS D1.1)
  - a QUALIFIED WELDERS (C)
  - b CONTROL AND HANDLING OF CONSUMABLES (C)
  - c NO WELDING OVER TACK WELDS (C)
  - d ENVIRONMENTAL CONDITIONS (C)
  - e WPS FOLLOWED (C)
  - f WELDING TECHNIQUES (C)
  - g INSPECTION TASKS AFTER WELDING SHOPFIELD (AISC360-10 TABLE N5.4-3 & AWS D1.1)
    - a WELDS CLEANED (C)
    - b SIZE, LENGTH, LOCATION OF WELDS (C)
    - c WELDS MEET VISUAL ACCEPTANCE CRITERIA (C)
    - d CJP GROOVE WELD NOT PER AWS D1.1 (C)
    - e INSPECTION TASKS PRIOR TO BOLTING (AISC360-10 TABLE N5.6-1)
  - a BOLT MATERIAL GRADE
  - b PROPER FASTENERS USED PER CONTRACT DOCUMENTS (P)
  - c PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL (P)
  - d CONNECTION ELEMENTS INCLUDING PAYING SURFACES MEET REQUIREMENTS (P)
  - e PROPER STORAGE OF FASTENER COMPONENTS (P)
  - f INSPECTION TASKS DURING BOLTING (AISC360-10 TABLE N5.6-2)
    - a FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND POSITIONED AS REQUIRED (P)
    - b JOINT BROUGHT TO SNUG TIGHT CONDITION (P)
    - c FASTENER COMPONENT NOT TURNED BY VRENCHE PREVENTED FROM ROTATING (P)
    - d FASTENERS PRETENSIONED PER RCSC SPECIFICATION (P)
    - e INSPECTION TASKS AFTER BOLTING (AISC360-10 TABLE N5.6-3)
    - f DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS (C)
    - g INSPECTION OF ANCHOR RODS IN CONFORMANCE WITH CONTRACT DOCUMENTS, (P)
    - h INSPECTION OF STEEL FRAME/CONNECTION DETAILS IN CONFORMANCE WITH CONTRACT DOCUMENTS, (P)
  - 9 INSPECTION OF STEEL ELEMENTS OF COMPOSITE CONSTRUCTION PRIOR TO CONCRETE PLACEMENT (AISC360-10 TABLE N6.1)
    - a PLACEMENT OF STEEL DECK (C)
    - b PLACEMENT OF STEEL HEADED STUD (C)
    - c DOCUMENT ACCEPTANCE OR REJECTION (C)
    - d INSPECTION OF METAL DECK DIAPHRAGM CONNECTIONS TO STEEL FRAMING, (P)
  - 11 OPEN WEB STEEL JOISTS (IBC 2018 TABLE 1705.2.3)
    - a END CONNECTIONS (P)
    - b BRIDGING (P)
    - c MEMBER SIZES IN ACCORDANCE WITH CONTRACT DOCUMENTS (P)
    - d COLD FORMED STEEL FRAMING
    - a MATERIAL GRADES (P)
    - b FRAMING DETAILS AND CONNECTIONS PER CONTRACT DOCUMENTS (P)

CONCRETE CONSTRUCTION (IBC 2018 TABLE 1705.3)

- 1 REINFORCEMENT PLACEMENT (P)
- 2 REINFORCING BAR WELDING (P)
- 3 ANCHORS CAST IN CONCRETE (P)
- 4 POST INSTALLED ANCHORS
- a ADHESIVE (C)
- b MECHANICAL (P)
- 5 VERIFY USE OF REQUIRED MIX (P)
- 6 STRENGTH, SLUMP, AIR, TEMPERATURE TEST OF CONCRETE PRIOR TO PLACEMENT (C)
- 7 CONCRETE PLACEMENT (C)
- 8 VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES (P)
- 9 INSPECT ERECTION OF PRECAST MEMBERS INCLUDING CONNECTIONS (P)
- 10 INSPECT FORMWORK (P)

SOILS (IBC 2018 TABLE 1705.6)

- 1 VERIFY BEARING CAPACITY BELOW SHALLOW FOUNDATIONS (P)
- 2 VERIFY EXCAVATIONS EXTEND TO PROPER DEPTH AND REACHED PROPER MATERIAL (P)
- 3 PERFORM CLASSIFICATION AND TESTING OF COMPACTED MATERIAL (P)
- 4 VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED MATERIAL (C)
- 5 PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PROPERLY PREPARED (P)
- 6 VERIFY SOIL IMPROVEMENT HAS BEEN PERFORMED PROPERLY (P)

2 FOUNDATIONS

2.1 GENERAL

- a SUMMARY OF GEOTECHNICAL DESIGN VALUES
  - SHALLOW STRIP AND SPREAD FOOTINGS
    - PRESUMPTIVE ALLOWABLE SOIL BEARING PRESSURE 4,000 PSF
  - b CONTRACTOR SHALL LOCATE ALL EXISTING BELOW GRADE UTILITIES AND INTERFERENCES PRIOR TO START OF WORK. NOTIFY THE SER OF ANY INTERFERENCE.
  - c STRIP TOPSOIL OVER THE ENTIRE BUILDING AREA.
  - d PROOF ROLL SITE. ALL SOFT AREAS TO BE REMOVED AND COMPACTED ENGINEERED FILL PLACED. TESTING SERVICE TO CONFIRM COMPACTION AND ENGINEERED FILL. COMPACT FILL TO 95% MODIFIED PROCTOR. USE HAND TAMPERS WITHIN 10" OF EXISTING STRUCTURES.
  - e LOCATE BELOW GRADE INTERFERENCES AND REMOVE OR RELOCATE AS DIRECTED BY COR.
  - f PROTECT ALL EXPOSED SURFACES.
  - g MAINTAIN ALL EXCAVATIONS FREE OF WATER CONTINUOUSLY
  - h CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING/BRACING OF EXCAVATIONS.
  - i ALL SHALLOW FOUNDATIONS SHALL BE LOCATED SHALL BEAR AT SUFFICIENT DEPTH TO PROVIDE ADEQUATE FROST COVERAGE PER LOCAL REQUIREMENTS.
  - j A GEOTECHNICAL TESTING SERVICE SHALL CONFIRM ALL SOIL BEARING CAPACITIES PRIOR TO PLACEMENT OF CONCRETE FOUNDATIONS.
  - k DO NOT BACKFILL BEHIND BASEMENT WALLS UNTIL ALL FRAMING IS COMPLETED UNLESS TEMPORARY BRACING/SHORING IS PROVIDED BY THE CONTRACTOR'S SSE.
  - l ALL STRUCTURAL FILL AND GENERAL FILL SHALL BE REVIEWED BY THE TESTING SERVICE.
- 2.2 SHORING AND UNDERPINNING FOUNDATIONS
  - a SHORING AND UNDERPINNING ARE DESIGNATED AS A DELEGATED DESIGN ITEMS AND SHALL BE DESIGNED BY THE CONTRACTOR'S GEOTECHNICAL ENGINEER AND LICENSED MN PROFESSIONAL ENGINEER.
  - b ANY UNDERPINNING OR SHORING PROCEDURES INDICATED ON THE DESIGN DRAWINGS ARE CONCEPTUAL ONLY AND SHALL BE CONFIRMED BY THE CONTRACTOR'S GEOTECHNICAL AND STRUCTURAL ENGINEERS.
  - d SUBMIT SHORING AND UNDERPINNING PROCEDURES AND MIN PE SEALED CALCULATIONS TO THE ARCHITECT FOR RECORD PURPOSES ONLY.

3 CONCRETE CONSTRUCTION

- 3.1 CAST IN PLACE CONCRETE
  - a GENERAL REQUIREMENTS
    - ALL WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301-10, SPECIFICATION FOR STRUCTURAL CONCRETE, EXCEPT AS MODIFIED BY THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
  - b CONCRETE MIXES WITH HISTORICAL TEST DATA.
  - c MATERIAL CERTIFICATES: CEMENT, AGGREGATES, ADMIXTURES, REINFORCING STEEL.
  - d REINFORCING STEEL PLACEMENT DRAWINGS
    - PRODUCTS
      - REINFORCING BARS: ASTM A615 GRADE 60
      - REINFORCING BARS WELDABLE: ASTM A706 GRADE 60
      - PLAIN WIRE FABRIC: ASTM A185
      - PORTLAND CEMENT: ASTM C150 TYPE I OR II
      - AGGREGATES: ASTM C33
      - LIGHTWEIGHT AGGREGATE ASTM C330
      - WATER: POTABLE ASTM C94
      - ADMIXTURES
        - AIR ENTRAINING ASTM C260
        - CHEMICAL ADMIXTURES ASTM C 494
        - AIR CONTENT FOR CONCRETE EXPOSED TO WEATHER: 4 TO 7%.
    - CONCRETE STRENGTH: FC 4,000 PSI AT 28 DAYS (NORMAL & LIGHTWEIGHT)
    - MIXING PER ASTM C94
    - CURING COMPOUNDS: ASTM C309 OR C1315
- c EXECUTION
  - CONCRETE COVER
    - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3" CONCRETE EXPOSED TO EARTH OR WEATHER 2"
    - CONCRETE NOT EXPOSED TO WEATHER 1-1/2"
    - ALL FOOTINGS, WALL FOOTINGS, GRADE BEAMS AND PILE/CAISSON CAPS SHALL BE PERFORMED UNLESS NOTED.
    - LAP SPICE LENGTHS PER ACI 318 CHAPTERS 12 USING A CLASS B SPICE. ALL WELDED WIRE FABRIC SHALL BE LAPPED ONE GRID MINIMUM
    - LOCATE JOINTS AS SHOWN ON PLANS; WHERE NOT SHOWN, CONTROL OR CONSTRUCTION JOINTS SHALL BE PLACED IN ACCORDANCE WITH ACI RECOMMENDATIONS I.E., A MAXIMUM PANEL SIZE (IN FEET) EQUAL TO APPROXIMATELY THREE TIMES THE THICKNESS OF THE SLAB (IN INCHES) IN BOTH DIRECTIONS.
    - HOOK ENDS OF BARS INTERRUPTED BY OPENINGS
    - HOOK TOP BARS AT ALL CONCRETE EDGES, AT ALL WALL AND SLAB OPENINGS, PROVIDE 2# BARS X OPENING WIDTH PLUS 4 FEET (2 FEET EACH SIDE) EACH FACE, UNLESS SHOWN OTHERWISE.
    - PLACEMENT OF CONCRETE IN COLD WEATHER SHALL COMPLY WITH ACI308
    - PLACEMENT OF CONCRETE IN HOT WEATHER SHALL COMPLY WITH ACI305 TOLERANCES SHALL MEET ACI 117, ACI 301 AND ACI 318 AS A MINIMUM.

4 MASONRY CONSTRUCTION

- 4.1 UNIT MASONRY
  - a GENERAL
    - MASONRY CONSTRUCTION AND MATERIALS, INCLUDING COMPOSITION, QUALITY, STORAGE, HANDLING, PREPARATION AND PLACEMENT OF MATERIALS, QUALITY ASSURANCE FOR MATERIALS AND MASONRY, AND CONSTRUCTION OF MASONRY SHALL COMPLY TO ALL REQUIREMENTS OF "SPECIFICATIONS FOR MASONRY STRUCTURES" (ACI 530.1/ASCE 6TMS 602) EXCEPT AS MODIFIED BY THE FOLLOWING NOTES:
    - REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. FULL ALLOWABLE STRESSES WERE USED FOR THE ASD DESIGN OF THE MASONRY THEREFORE ALL MASONRY WORK SHALL BE INSPECTED AND QUALITY ASSURANCE MEASURES WILL BE IMPLEMENTED.
    - DEFINITIONS (SEE ACI 530.1)
    - REFERENCES (SEE ACI 530.1)
    - COMPRESSIVE STRENGTH OF MASONRY FM SHALL BE 2,500 PSI. (MINIMUM), SUBMITTALS
    - MIX DESIGNS AND TEST RESULTS FOR MORTAR TO COMPLY WITH ASTM C270
    - MIX DESIGNS AND TEST RESULTS FOR GROUT TO COMPLY WITH ASTM C476
    - MATERIAL CERTIFICATES:
      - QUALITY ASSURANCE
      - TESTING AGENCY SHALL COMPLY WITH THE REQUIREMENTS OF ASTM C 1093.
    - b MATERIALS
      - MORTAR CONFORM TO ASTM C270 TYPE S PORTLAND CEMENT TYPE 1 OR 2, LOW ALKALI PER ASTM C150
      - NON-AIR ENTRAINED OR HYDRATED LIME PER ASTM C207 TYPE S
      - GROUT: CONFORM TO ASTM C476 WITH A COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS.
      - MASONRY UNITS NORMAL WEIGHT 2 CELLS PER ASTM C90 Fomur=3250 PSI.
      - REINFORCING STEEL PER ASTM A615
      - JOINT REINFORCING PER ASTM A 951
      - WELDED WIRE FABRIC PER ASTM A185
      - ANCHOR BOLTS HEEDED ASTM A307.

- STEEL LINTELS ASTM A36 (A992 WIDE FLANGE SHAPES); GALVANIZE ALL LINTELS ON EXTERIOR WALLS.
- ACCESSORIES (SEE ACI 530.1)
- MIXING (SEE ACI 530.1)
- FABRICATION
- ALL LINTELS AND STEEL CONSTRUCTION ADJACENT TO OR ABUTTING MASONRY SHALL BE PROVIDED WITH GALVANIZED MASONRY TIES AT 16" O.C. PROVIDE 8"x8" DIAMETER X 4" STUDS @ 32" O.C. ON TOP OF ALL WIDE FLANGE AND CHANNEL LINTELS.
- EXECUTION
  - INSPECTION (SEE ACI 530.1)
  - DO NOT WET CONCRETE MASONRY UNITS BEFORE PLACING REINFORCEMENT. PLACE REINFORCEMENT IN GROUT SPACES WITH REBAR POSITIONERS PRIOR TO PLACING GROUT.
  - REINFORCEMENT SPLICES SHALL BE LAPPED 48 TIMES THE BAR DIAMETER BUT NOT LESS THAN 18".
  - MASONRY ERECTION
    - CONSTRUCT MASONRY IN RUNNING BOND UNLESS NOTED.
    - ALL MASONRY LOCATED BELOW GRADE SHALL BE GROUTED SOLID
    - PROVIDE CONTINUOUS GALVANIZED, HORIZONTAL MASONRY REINFORCING AT 16" ON CENTER (ALTERNATE CMU COURSES) MINIMUM
    - UNDER ALL BEAM AND JOIST BEARINGS, FILL UNITS 2 CMU COURSES DEEP X 3/2" WIDE MINIMUM PROVIDE A CONTINUOUS BOND BEAM UNDER ALL JOIST BEARINGS, AT ALL SILLS, AT TOPS OF ALL WALLS AND 8'-0" O.C. VERTICAL.
    - CAST IN DOVETAIL ANCHOR SLOTS AT 16" O.C. HORIZONTALLY AT ALL CONCRETE WALLS ADJACENT TO OR ABUTTING MASONRY CONSTRUCTION.
    - PROVIDE A MINIMUM OF 2 - #5 VERTICAL BARS FOR THE FULL HEIGHT OF MASONRY WALLS AT ENDS OF WALLS, EACH SIDE OF OPENINGS AND EACH SIDE OF CONTROL JOINTS UNLESS NOTED.
    - PROVIDE VERTICAL CONTROL JOINTS AT A MINIMUM SPACING OF 1-1/2 TIMES THE HEIGHT OF THE WALL OR 20'-0" WHICHEVER IS LESS, REFER TO ARCHITECTURAL DRAWINGS.
    - ALL OPENINGS IN MASONRY WALLS SHALL HAVE A LINTEL PER THE LINTEL SCHEDULE. LINTELS SHALL HAVE A MINIMUM BEARING OF 6" UNLESS NOTED.
    - a ALL NON-LOAD BEARING CMU WALLS SHALL BE CONSTRUCTED ON 10" THICK BY 24" WIDE THICKENED SLABS, REINFORCE WITH 2#5 CONTINUOUS BARS AND PROVIDE #5 DOWELS AT 24" ON CENTER FOR THE CMU REINFORCING UNLESS NOTED OTHERWISE.
- 5 METALS
  - 5.1 STRUCTURAL STEEL
    - a GENERAL
      - ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE AISC 360-10 "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS", "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" 2009, "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" 2010 AND AWS D1.1 2010.
      - THE PROVISIONS OF THE ALLOWABLE STRENGTH DESIGN METHOD (ASD) WAS USED AS A BASIS FOR DESIGN. ALL FORCES/REACTIONS INDICATED ON THE DESIGN DOCUMENTS ARE THEREFORE NON-FACTORED ASD FORCES/REACTIONS.
      - THE CONTRACTOR'S STRUCTURAL STEEL DETAILER SHALL PREPARE STEEL ERECTION AND SHOP DRAWINGS IN ACCORDANCE WITH THE GUIDELINES AND GOOD PRACTICES NOTED IN THE AISC "DETAILING FOR STEEL CONSTRUCTION," THIRD EDITION
      - STEEL CONNECTIONS ARE DESIGNATED AS A DESIGN DELEGATED COMPONENT TO BE DESIGNED BY THE DRC'S SSE.
      - CHECKED STEEL SHOP DRAWINGS: PREPARED IN ACCORDANCE WITH AISC DETAILING FOR STEEL CONSTRUCTION 3RD ED.
      - CONNECTION CALCULATIONS PREPARED, SIGNED AND SEALED BY COR'S SSE.
      - MATERIAL CERTIFICATES (UPON REQUEST)
      - WELDING CERTIFICATES (UPON REQUEST)
    - b MATERIALS
      - ALL STRUCTURAL STEEL SHAPES SHALL BE ASTM A992 (F<sub>y</sub>=50 ksi)
      - ALL STRUCTURAL STEEL PLATES AND ANGLES SHALL BE ASTM A36 (F<sub>y</sub>=36 KSI).
      - ALL STRUCTURAL TUBES SHALL BE ASTM A500 GRADE B (F<sub>y</sub>=46 KSI).
      - ALL STRUCTURAL PIPES SHALL BE ASTM A53 GRADE B (F<sub>y</sub>=35 KSI).
      - ALL ANCHOR RODS ASTM F1554-36
      - ALL WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY "STRUCTURAL WELDING CODE," AWS D1.1.
      - ALL WELD ELECTRODES SHALL BE E70XX AND ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS. ALL WELDING SHALL BE TO CLEAN BARE STEEL.
      - PROVIDE FULL SIZE 1"4" SETTING PLATES ON 4,000 PSI NON SHRINK GROUT FOR ALL COLUMNS AND (4)-3/4" DIAMETER ASTM F-1554-36 ANCHOR BOLTS, UNLESS NOTED.
      - ERECT ALL MEMBERS WITH NATURAL CAMBER UP, EXCEPT FOR CERTAIN CANTILEVERED MEMBERS.
      - PROVIDE SUB-FRAMING FOR EQUIPMENT SUPPORTED ON OR SUSPENDED FROM THE STRUCTURE.
      - ALL STEEL SHALL BE SHOP COATED WITH FABRICATOR'S STANDARD PRIME PAINT MEETING MP#973 AS A MINIMUM. MASK SURFACES TO BE FIELD WELDED AND AT BOLT HOLES IN FAYING SURFACES OF SLIP CRITICAL BOLTED CONNECTIONS.
      - CONNECTIONS SHOWN ON THE DESIGN DRAWINGS ARE CONCEPTUAL ONLY. CONNECTIONS ARE A DELEGATED DESIGN ITEM TO BE DESIGNED BY COR'S SSE.
      - CONNECTIONS SHALL BE IN ACCORDANCE WITH AISC 360-10 USING ALLOWABLE STRENGTH (ASD) DESIGN BASIS. POSTED CONNECTION FORCES ARE ASD.
      - DESIGN SHEAR CONNECTIONS FOR THE LARGER OR POSTED FORCES ON THE DESIGN DRAWINGS AND 50% (75% FOR COMPOSITE BEAMS) OF THE MAXIMUM TOTAL LOAD FOR THE SPECIFIED BEAM AND SPAN IN AISC "STEEL CONSTRUCTION MANUAL" TABLE 3-6.
      - DESIGN MOMENT CONNECTIONS FOR FULL MOMENT CAPACITY OF THE MEMBER OR THE POSTED MOMENT ALONG WITH THE SHEAR LOADS NOTED ABOVE.
      - AXIALLY LOADED MEMBERS SHALL BE DESIGNED USING THE POSTED LOADS AND THE AISC UNIFORM FORCE METHOD.
      - ALL SHEAR CONNECTIONS SHALL BE AS A MINIMUM FULL DEPTH OF MEMBER.
      - ALL BOLTS SHALL BE ASTM A325 FULLY TENSIONED BEARING BOLTS WITH SHORT SLOTTED HOLES UNLESS NOTED. A325 SLIP CRITICAL BOLTS SHALL BE USED FOR ALL MOMENT CONNECTIONS AND AXIALLY LOADED MEMBERS.
      - ALL WELD SIZES SHOWN ARE SIZED FOR LOAD ONLY. WELDS SHALL BE INCREASED IN SIZE AS REQUIRED TO MEET AISC MINIMUMS.
      - ALL GROOVE WELDS SHOWN ARE FULL PENETRATION WELDS UNLESS NOTED OTHERWISE.
      - WELDS NOTED AS PARTIAL PENETRATION GROOVE WELDS SHOW "EFFECTIVE" SIZE OF WELD.
      - WELD JOINTS SHALL BE DETAILED BASED ON PROCESS USED AND POSITION OF WELD TO MEET THE "EFFECTIVE" SIZE SHOWN ON THE DRAWINGS.
    - EXECUTION
      - VERIFY THAT FIELD CONDITIONS ARE ACCEPTABLE AND ARE READY TO RECEIVE WORK.
      - STEEL ERECTION TOLERANCES SHALL BE IN ACCORDANCE WITH THE CODE OF STANDARD PRACTICE.

ENGINEERING DISCIPLINE REFERENCE 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.
- EQUIVALENCE SUBSTITUTIONS: THE "BASIS OF DESIGN (BOD) COMPLIANCE PROTOCOLS" ARE TO BE FOLLOWED FOR ALL MATERIALS, EQUIPMENT, ASSEMBLIES, AND SYSTEMS SPECIFIED AND DETAILED THROUGHOUT ALL DRAWINGS AND SPECIFICATION SECTIONS WHETHER THE BOD DESIGNATE IS SPECIFICALLY REFERENCED THEREIN OR NOT. SEE THE GENERAL DRAWINGS SECTION FOR THE SPECIFIC BOD COMPLIANCE REQUIREMENTS AND PROTOCOLS TO BE FOLLOWED.

5.2 COLD-FORMED METAL FRAMING

- a GENERAL:
  - REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS PERFORMANCE REQUIREMENTS
  - ASIS "SPECIFICATIONS": CALCULATE STRUCTURAL CHARACTERISTICS OF COLD-FORMED METAL FRAMING ACCORDING TO ASIS'S "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS"
  - STRUCTURAL PERFORMANCE: ENGINEER, FABRICATE AND ERECT COLD-FORMED METAL FRAMING WITH THE MINIMUM PHYSICAL AND STRUCTURAL PROPERTIES INDICATED ON THE DRAWINGS.
  - DESIGN LOADS: AS INDICATED ABOVE.
  - DESIGN FRAMING SYSTEMS TO WITHSTAND DESIGN LOADS WITHOUT DEFLECTIONS GREATER THAN THE FOLLOWING:
    - INTERIOR WALLS: LATERAL DEFLECTION OF 1/240 OF THE WALL HEIGHT.
    - EXTERIOR WALL: LATERAL DEFLECTION OF 1/600 OF THE WALL HEIGHT.
  - ENGINEERING RESPONSIBILITY: CONTRACTOR TO ENGAGE A FABRICATOR WHO ASSUMES UNDIVIDED RESPONSIBILITY FOR ENGINEERING COLD-FORMED METAL FRAMING BY EMPLOYING A QUALIFIED SSE TO PREPARE DESIGN CALCULATIONS, SHOP DRAWINGS, AND OTHER STRUCTURAL DATA.
  - SUBMITTALS: SUBMIT SHOP DRAWINGS AND CALCULATIONS SEALED BY A LICENSED STRUCTURAL ENGINEER.
  - a ALL WELDING SHALL COMPLY WITH APPLICABLE PROVISIONS OF AWS D1.1 "STRUCTURAL WELDING CODE-STEEL" AND AWS D1.3 "STRUCTURAL WELDING CODE-SHEET STEEL."
- b MATERIALS
  - MANUFACTURERS: SECTIONS INDICATED ON DRAWINGS ARE MINIMUMS AND ARE DESIGNATED USING THE STEEL STUD MANUFACTURER'S UNIVERSAL DESIGNATOR SYSTEM. MATERIALS:
    - GALVANIZED-STEEL SHEET: ASTM A 653 ZINC COATED ACCORDING TO ASTM A 525 (ASTM A 525M), WITH COATING DESIGNATION: G 90 (Z 275) - EXTERIOR AND GRADE FY= 50 KSI.
    - FRAMING ACCESSORIES: FABRICATE STEEL-FRAMING ACCESSORIES OF THE SAME MATERIAL AND FINISH USED FOR FRAMING MEMBERS, WITH A MINIMUM YIELD STRENGTH OF 50 KSI.
    - PROVIDE ACCESSORIES OF MANUFACTURER'S STANDARD THICKNESS AND CONFIGURATION, UNLESS OTHERWISE INDICATED.
    - ANCHORS, CLIPS, AND FASTENERS ASTM A36 HOT DIP GALVANIZED PER ASTM A123
    - PULVED-ACTUATED ANCHORS: FASTENER SYSTEM OF TYPE SUITABLE FOR APPLICATION INDICATED, FABRICATED FROM CORROSION-RESISTANT MATERIALS, WITH CAPABILITY TO SUSTAIN, WITHOUT FAILURE, A LOAD EQUAL TO 10 TIMES THE DESIGN LOAD, AS DETERMINED BY TESTING PER ASTM E 1190 CONDUCTED BY A QUALIFIED INDEPENDENT TESTING AGENCY.
    - MECHANICAL FASTENERS: CORROSION-RESISTANT COATED, SELF-DRILLING, SELF-THREADING STEEL DRILL SCREWS. HEAD TYPE: LOW-PROFILE HEAD BENEATH SHEATHING, MANUFACTURER'S STANDARD ELSEWHERE.
    - WELDING ELECTRODES: COMPLY WITH AWS STANDARDS.
    - CONNECTION COMPONENTS TO BE SIMPSON STRONG-TIE.
    - FABRICATION: USE MANUFACTURER'S STANDARD SECTIONS (WALL STUDS PUNCHED, TRACKS UN-PUNCHED, COMPLYING WITH ASTM A995. TOLERANCES SHALL MEET ASTM C1007 REQUIREMENTS.
- c EXECUTION
  - INSTALL COLD-FORMED METAL FRAMING AND ACCESSORIES PLUMB, SQUARE, TRUE TO LINE, AND WITH CONNECTIONS SECURELY FASTENED, ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND THE REQUIREMENTS OF THIS SECTION.
  - CUT FRAMING MEMBERS BY SAWING OR SHEARING; DO NOT TORCH CUT.
  - FASTEN COLD-FORMED METAL FRAMING MEMBERS BY WELDING OR SCREW FASTENING, AS STANDARD WITH FABRICATOR. WIRE TYING OF FRAMING MEMBERS IS NOT PERMITTED.
  - COMPLY WITH AWS REQUIREMENTS AND PROCEDURES FOR WELDING, APPEARANCE AND QUALITY OF WELDS, AND METHODS USED IN CORRECTING WELDING WORK.
  - ERECTION TOLERANCES: PER ASTM C1007

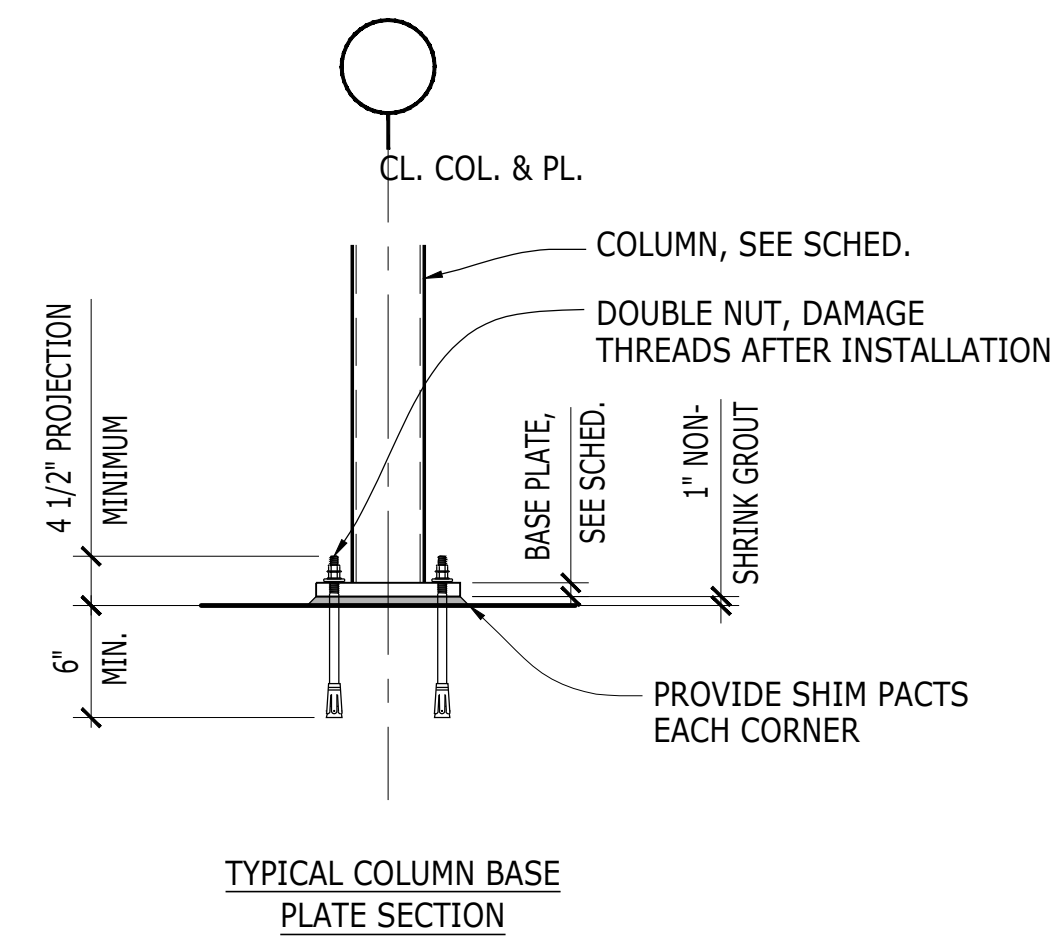
STRUCTURAL ABBREVIATIONS LEGEND:

- A.B.S. - ANCHOR BOLTS
- ARCH - ARCHITECTURAL DRAWINGS
- B/- BOTTOM OF
- BOTT. - BOTTOM
- CGF - COMPACTED GRANULAR FILL
- CL - CENTERLINE
- CMU - CONCRETE MASONRY UNITS
- CONT. - CONTINUOUS
- CONC - CONCRETE
- E - EXISTING MATERIAL
- FD - FOOT
- HD - HOLD DOWN
- HKD - HOOKED
- k - KIP
- LBS - POUNDS
- MEP - MECHANICAL, ELECTRICAL, PLUMBING DRAWINGS
- N - NEW MATERIAL
- O.C. - ON CENTER
- PSF - POUNDS PER SQUARE FOOT
- PSI - POUNDS PER SQUARE INCH
- PCF - POUNDS PER CUBIC FOOT
- RD - ROOF DRAIN
- STL - STEEL
- SOG - SLAB ON GRADE
- TI - TOP OF
- UN. - UNLESS NOTED
- VB - VAPOR BARRIER
- VIF - VERIFY IN FIELD
- W - WITH
- # - POUNDS OR NUMBER
- SSE - SPECIALTY STRUCTURAL ENGINEER
- STR - STRUCTURAL ENGINEER OF RECORD
- DR/CGO - DESIGNATED REPRESENTATIVE FOR CONSTRUCTION
- COR - CONTRACTING OFFICER'S REPRESENTATIVE

10/28/2022 - ISSUE FOR 100 % CONSTRUCTION DOCUMENTS

ISSUE FOR 100% CONSTRUCTION DOCUMENTS No REVISION DATE	 330 S. Naperville Road Suite 300 Whitcomb, Illinois 60187	I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota. Print Name: Michael J Wilbur Signature: <i>MJ Wilbur</i> Date: 10/28/2022 License # 49456	 700 Nicholas Blvd, Suite 300 Eg Grove Village, IL 60007 T: 847.952.9362 www.bancroft-ae.com BAE PROJECT NO: 18-116	APPROVED PROJECT COR	DATE	APPROVED
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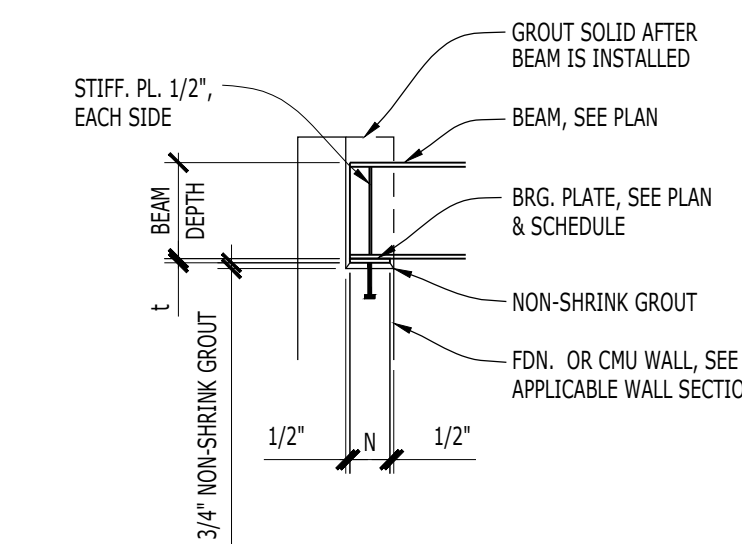
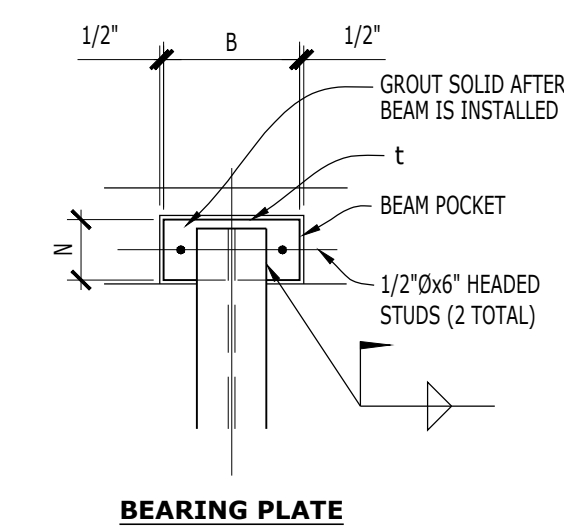
COLUMN MARK	C1	C2
CAP PLATE	3/4"x5"x5"	3/4"x5"x7"
ROOF		
EL. 111'-6"		
EL. 100'-0"	HSS5x5x3/8	HSS5x4x3/8
EL. 89'-6"		
BASE PLATE (t x W x L)	3/4x11x11	3/4x5x11
ANCHOR RODS	(2)-3/4"Ø HILTI KB TZ	(1)-3/4"Ø HILTI KB TZ
BASE PLATE DETAIL	1	2



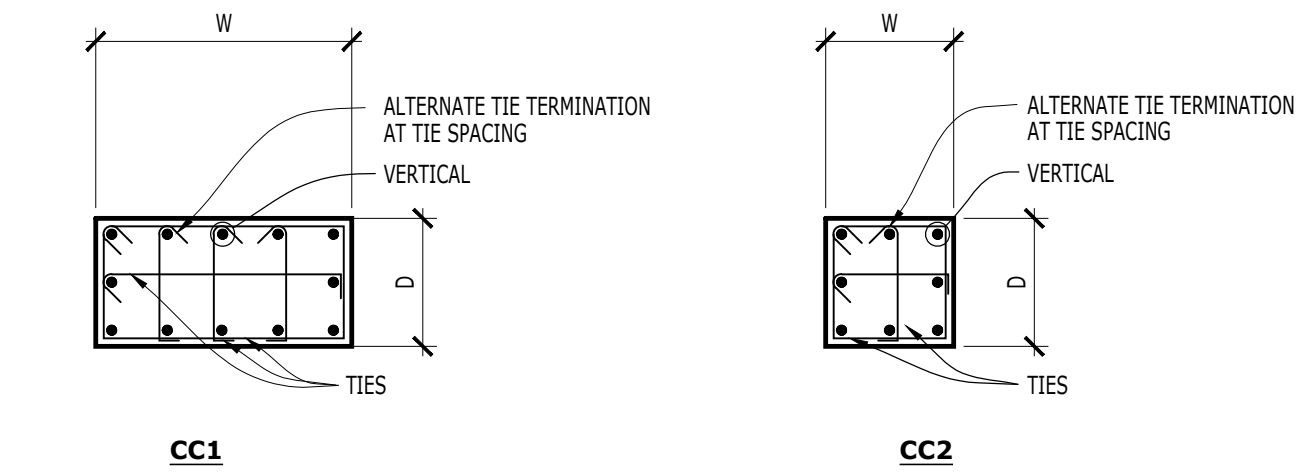
BAR SIZE	TOP	OTHER
#4	32"	25"
#5	40"	31"
#6	48"	37"
#7	70"	54"
#8	80"	62"
#9	91"	70"

f<sub>c</sub> = 4,000 ksi  
f<sub>y</sub> = 60 ksi

MARK	SIZE		
	t	N	B
BP1	3/4"	7"	7"
BP2	3/4"	7"	12"

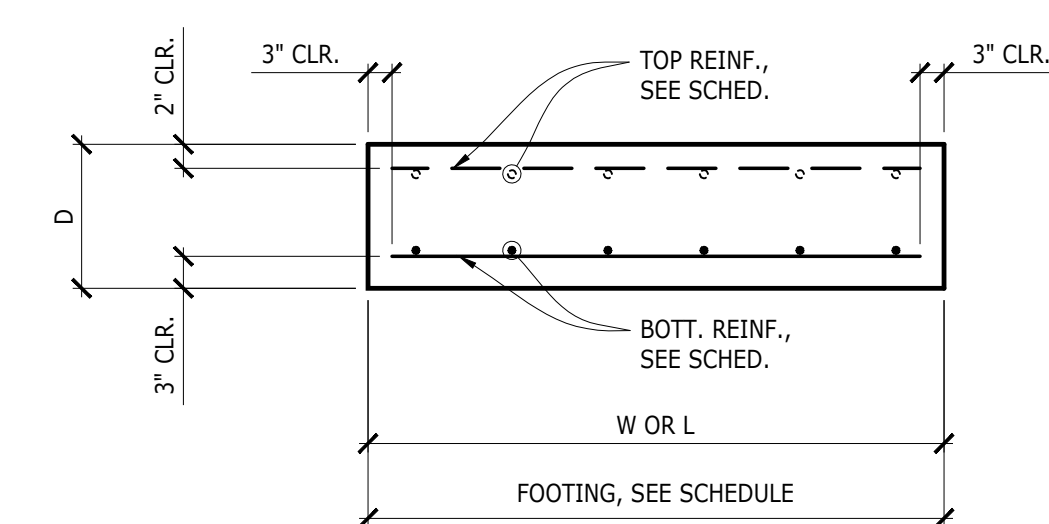


PIER MARK	PIER SIZE W x D	REINFORCING			REMARKS
		VERTICAL	TIES	JOINT REINF.	
CC1	12" x 24"	12-#7	#4 SEE 4/S201 FOR SPACING	#4@8" O.C.	PROVIDE STEEL EMBED PLATE AT TOP OF COLUMN PER 4/S201
CC2	18" x 18"	8-#7	#4 SEE 4/S201 FOR SPACING	#4@8" O.C.	PROVIDE STEEL EMBED PLATE AT TOP OF COLUMN PER 4/S201



1 CONCRETE COLUMN SCHEDULE  
NONE

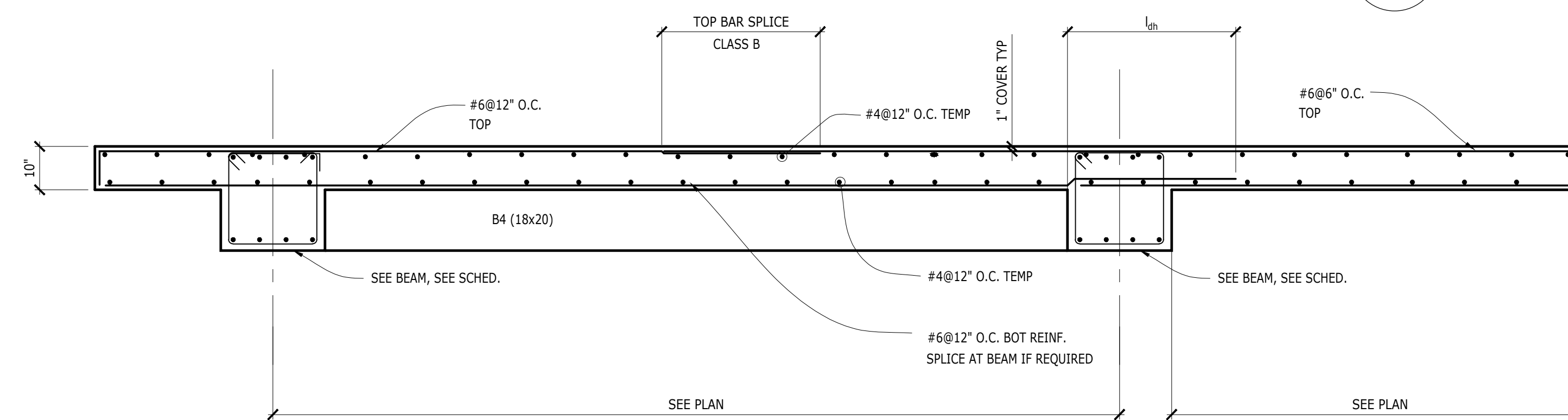
FOOTING MARK	FOOTING SIZE (WxLxD)	REINFORCING EACH WAY BOTTOM, U.N.	REMARKS
F4.0	4'-0"x4'-0"x1'-0"	4-#5	
F5.0	5'-0"x5'-0"x1'-3"	5-#5	
F6.0	6'-0"x6'-0"x1'-3"	7-#7	
F7.0	7'-0"x7'-0"x1'-6"	8-#7	
F10.0	10'-0"x10'-0"x2'-0"	10-#7	
F6.0-10.0	6'-0"x10'-0"x2'-0"	10-#7 SW 7-#7 LW	



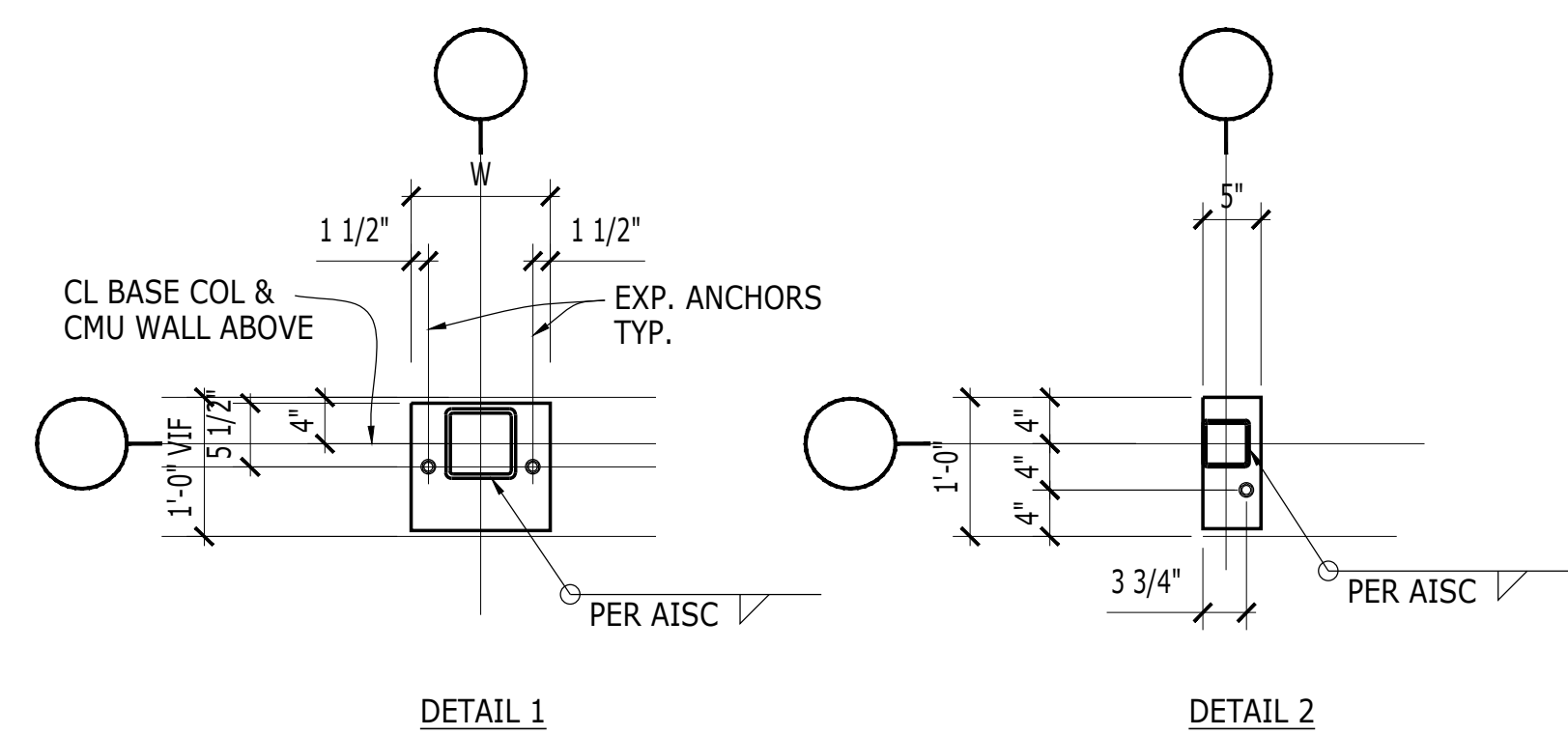
2 FOOTING SCHEDULE  
NONE

6 CLASS B LAP SPLICE  
NONE

4 BEARING PLATES  
NONE



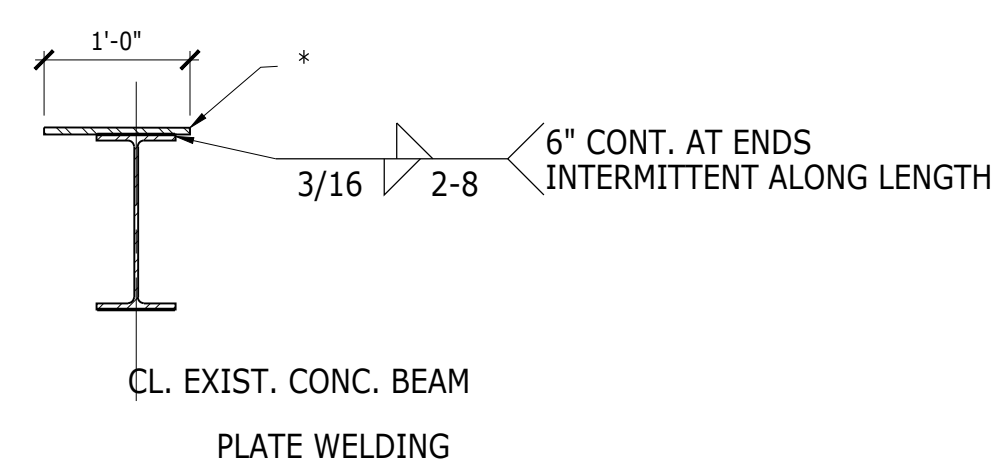
5 TYPICAL SLAB S1 REINFORCING  
NONE



7 STEEL COLUMN SCHEDULE  
NONE

LINTEL MARK	WALL TYPE	LINTEL INFORMATION			REMARKS
		SHAPE	SIZE	END BEARING	
L1	8" CMU	W16x50 + PL. 5/16"	7"	SEE BEARING PLATE SCHEDULE	
L2/L2A	8" CMU	W8x28 & PL 5/16" *	6"	SEE BEARING PLATE SCHEDULE L2A SEE 9/S202	
L3	4" + 8"	W16x36 + PL. 5/16"	7"	SEE BEARING PLATE SCHEDULE	

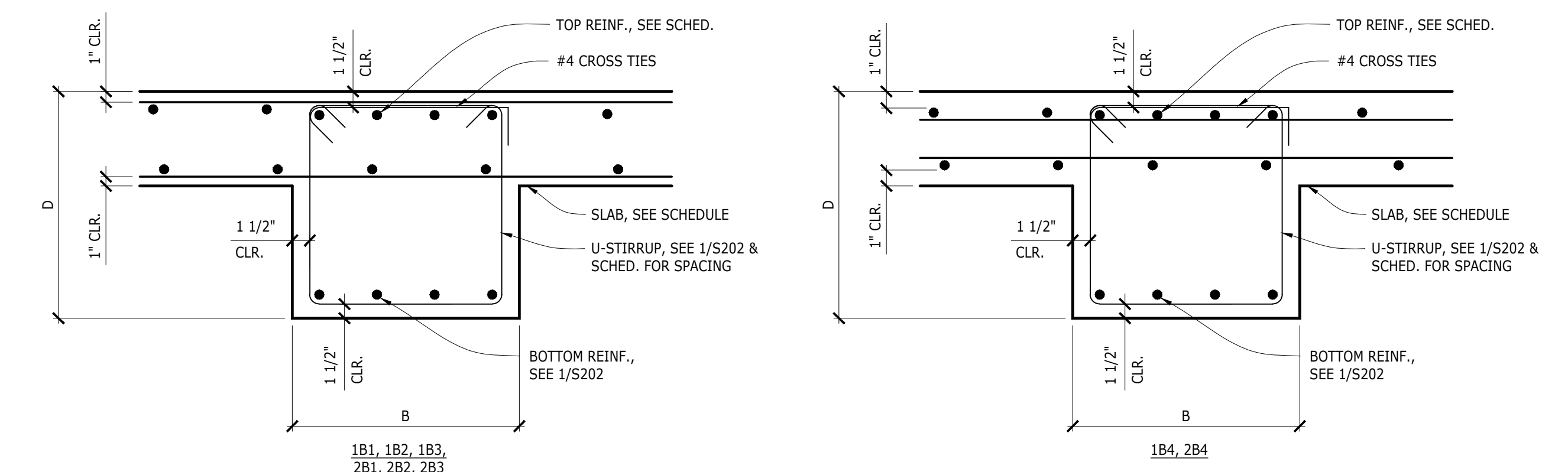
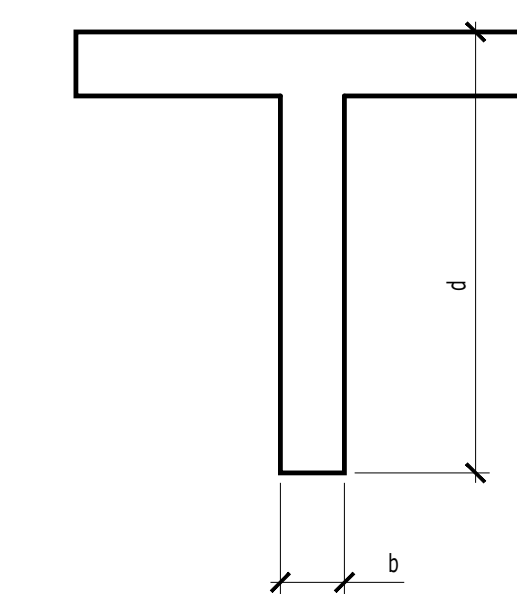
NOTE: PROVIDE LINTELS AS SPECIFIED PER LINTEL SCHEDULE. WHERE LINTELS ARE NOT SPECIFIED, SELECT LINTEL FROM SCHEDULE WHICH IS MOST APPROPRIATE FOR CASE INVOLVED.  
EXTEND LINTELS PAST BRICK AND CAVITY & BEAR COMPLETELY ON CMU.  
ALL LINTELS IN EXTERIOR CONSTRUCTION SHALL BE HOT-DIP GALVANIZED  
\* REFER TO SECTIONS FOR LOCATIONS WHERE 5/16" PL. NOT REQUIRED.



8 LINTEL SCHEDULE  
NONE

BEAM MARK	SIZE b x d	CONT. BOTT. REINF.	TOP REINFORCING	STIRRUPS		REMARKS
				REINF.	SPACING	
1B1	24" x 20"	SEE 1/S201	SEE 1/S201	#4	SEE 1/S201	SEE 1/S201 CONT. TOP BARS TO 1B2/1B4
1B2	24" x 20"	SEE 1/S201	SEE 1/S201	#4	SEE 1/S201	SEE 1/S201 T/BARS LEFT SEE 1B1 T/BARS RIGHT SEE 1B3
1B3	24" x 20"	SEE 1/S201	SEE 1/S201	#4	SEE 1/S201	SEE 1/S201
1B4	18" x 20"	SEE 1/S201	SEE 1/S201	#4	SEE 1/S201	SEE 2/S201
2B1	24" x 20"	SEE 1/S201	SEE 1/S201	#4	SEE 1/S201	SEE 1/S201 CONT. TOP BARS TO 2B2/2B4
2B2	24" x 20"	SEE 1/S201	SEE 1/S201	#4	SEE 1/S201	SEE 1/S201 T/BARS LEFT SEE 2B1 T/BARS RIGHT SEE 2B3
2B3	24" x 20"	SEE 1/S201	SEE 1/S201	#4	SEE 1/S201	SEE 1/S201
2B4	18" x 20"	SEE 1/S201	SEE 1/S201	#4	SEE 1/S201	SEE 2/S201

NOTE 1: SEE 1/S201 FOR STIRRUP SPACING



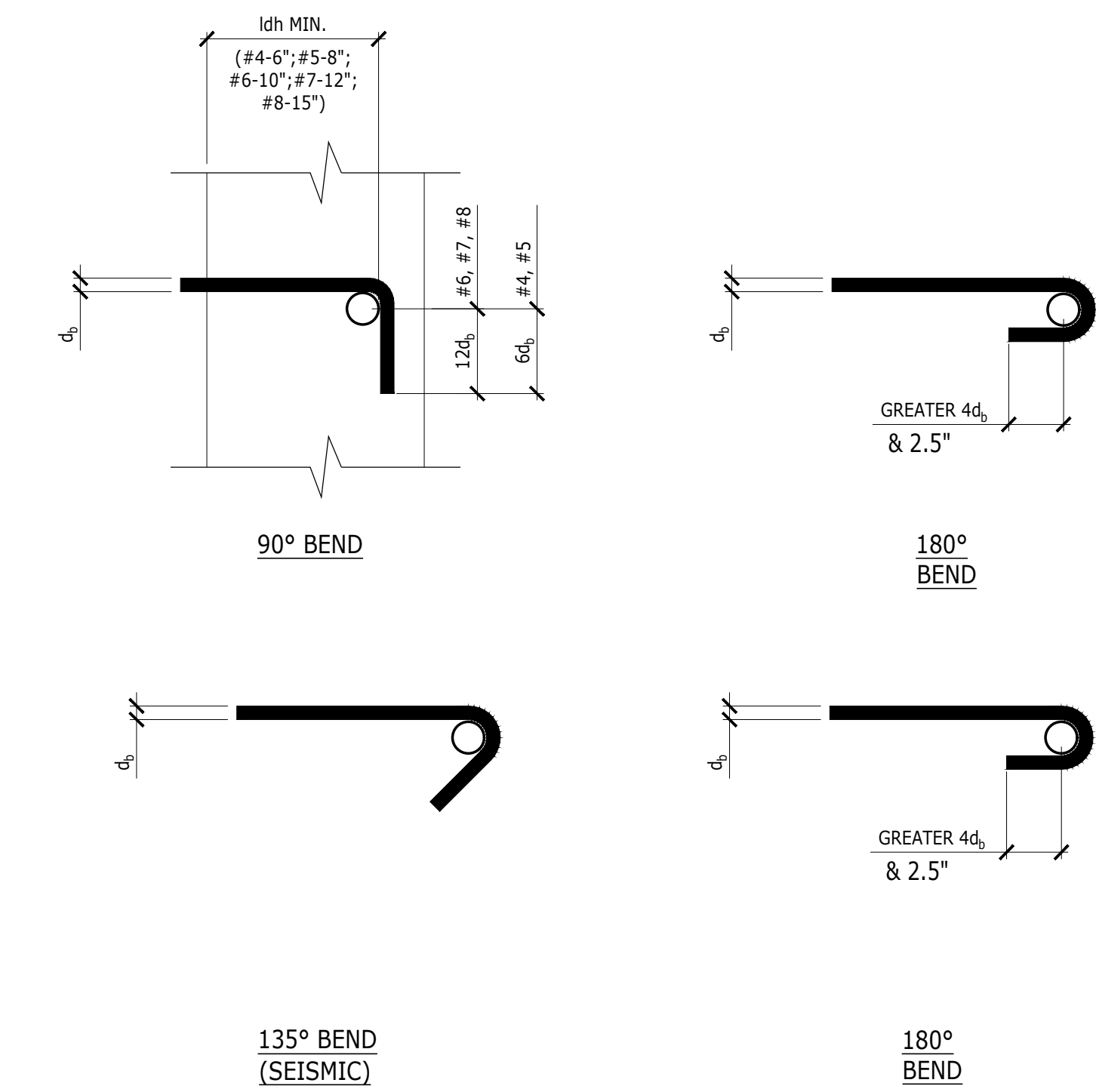
3 CONCRETE BEAM SCHEDULE  
NONE

10/28/2022 - ISSUE FOR 100% CONSTRUCTION DOCUMENTS

	TENSION				COMPRESSION	
	TOP		OTHER		ldc	lsc
	ld	lst *	ld	lst *		
4	25	32	19	25	11	15
5	31	40	24	31	14	19
6	37	48	29	37	17	23
7	54	70	42	54	19	27
8	62	80	48	62	22	30
9	70	90	54	70	25	34
10	78	100	60	77	28	39

AISC 318-19 TABLE 25.4.3.2  
 fy = 60 ksi; fc = 4 ksi  
 ld - DEVELOPMENT LENGTH IN TENSION DEFORMED BAR  
 lst - TENSION LAP SPLICE LENGTH  
 \* - CLASS B LAP = 1.3 x ld

1 TENSION DEVELOPMENT LENGTH + LAP LENGTH  
NTS



2 STD. SEISMIC HOOK STIRRUPS TIES HOOK  
ACI 318-19 TABLE 25.3.2

10/28/2022 - ISSUE FOR 100 % CONSTRUCTION DOCUMENTS

No	REVISION	DATE

**JOHNSON WILBUR ADAMS, INC.**  
 STRUCTURAL ENGINEERING

330 S. Naperville Road Suite 300  
 Wheaton, Illinois 60187

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Print Name: Michael J Wilbur  
 Signature: *[Signature]*  
 Date: 10/28/2022 License # 48456

ARCHITECT/ENGINEER OF RECORD

*[Signature]*  
**Bancroft**  
 BANCROFT ARCHITECTS + ENGINEERS

700 Nicholas Blvd, Suite 300  
 Elk Grove Village, IL 60007  
 T: 847.952.9362  
 www.bancroft-ae.com  
 BAE PROJECT NO. 18-116

APPROVED PROJECT GDR	DATE:	APPROVED SERVICE LINE DIRECTOR	DATE:	APPROVED INFECTION CONTROL NURSE	DATE:
APPROVED GEMS PROJECT MANAGER	DATE:	APPROVED PATIENT SAFETY	DATE:	APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE:
APPROVED PROJECTS SECTION MANAGER	DATE:	APPROVED CHIEF OF POLICE	DATE:	APPROVED CHIEF OF STAFF	DATE:
APPROVED DIRECTOR PMS	DATE:	APPROVED SAFETY MANAGER	DATE:	APPROVED HEALTH CARE SYSTEM DIRECTOR	DATE:

DRAWING TITLE STRUCTURAL SCHEDULES	PROJECT TITLE CONSTRUCT PACT CLINIC BUILDING 4 FIRST FLOOR	DATE 10/28/22
APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	PROJECT NO. 656-400	PILOT SCALE
APPROVED CHIEF OF STAFF	BUILDING No 4	CHECKED BY [Blank]
APPROVED HEALTH CARE SYSTEM DIRECTOR	DRAWING NO. S021	DATE
	LOCATION ST. CLOUD VAHCS ST. CLOUD, MN 56303	DWG. OF

**VA**

**U.S. Department of Veterans Affairs**  
 Veterans Health Administration  
 St. Cloud VA Health Care System

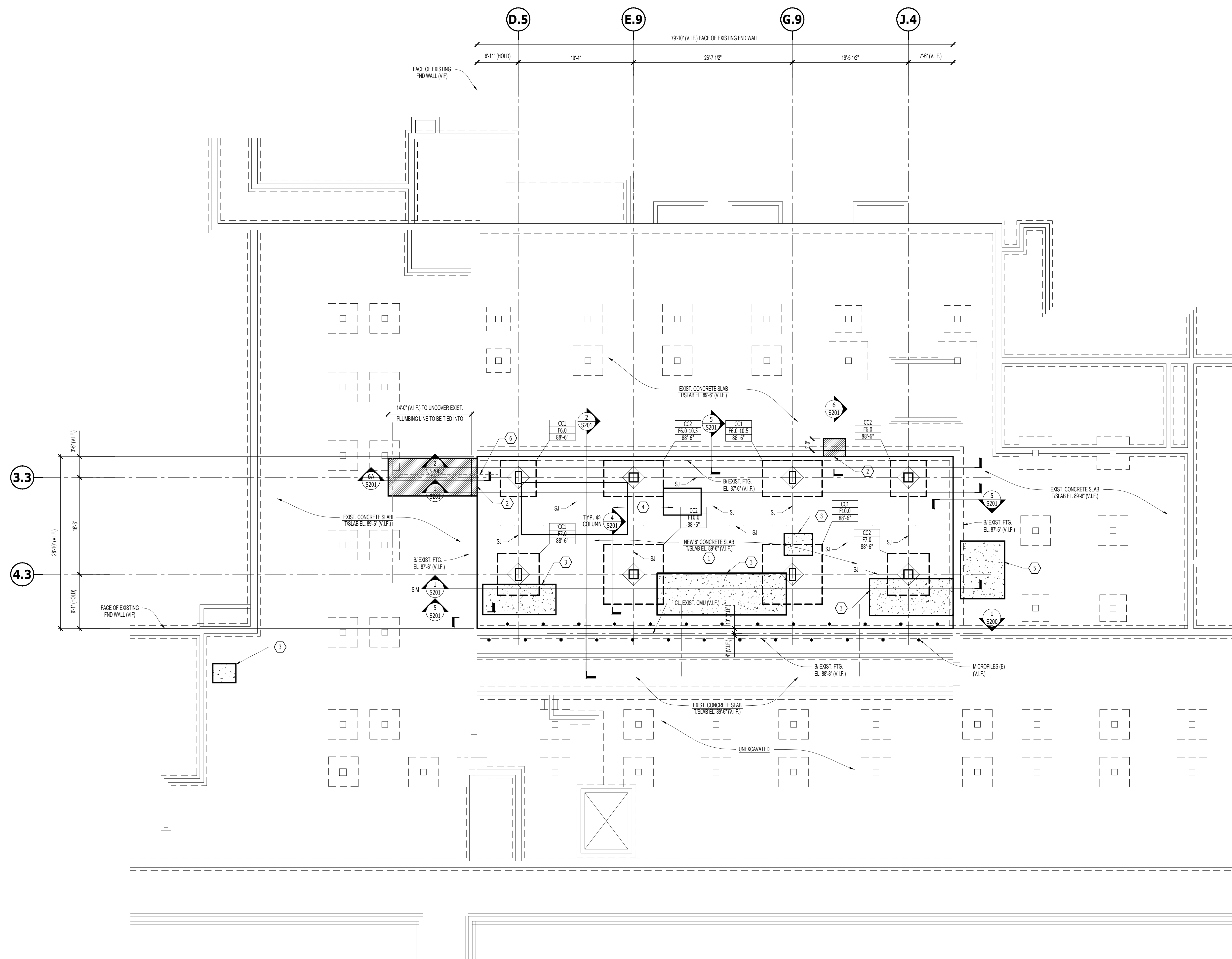
**GENERAL SHEET NOTES**

**CONTRACTOR NOTE:**  
 CONTRACTOR TO VERIFY EXISTING CONDITIONS PRIOR TO BID TO ENSURE ALL CONFLICTS FOR INSTALLATION OF NEW WORK HAS BEEN IDENTIFIED AND ANY WORK REQUIRED TO MODIFY EXISTING IS INCLUDED IN BID PRICE.

(E) - INDICATES EXISTING CONSTRUCTION, VERIFY IN FIELD  
 (N) - INDICATES PROPOSED NEW CONSTRUCTION  
 F7 - CONCRETE FOOTING REFER TO 25020 FOR FOOTING SCHEDULE  
 CC1 - CONCRETE COLUMN REFER TO 19200 FOR COLUMN SCHEDULE, SEE 65203 FOR ISOLATION JOINTS AT COLUMNS  
 TOP OF CONCRETE AT HP EL. 89'-0"

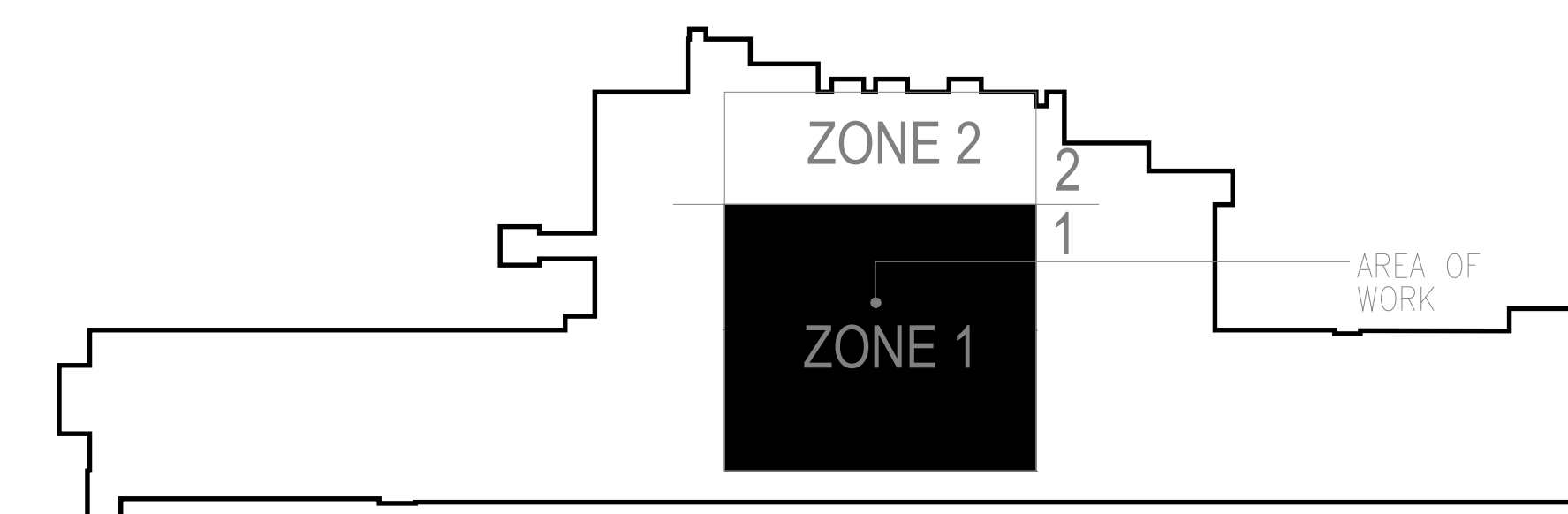
**SHEET KEY NOTES**

- ① PROVIDE 6" SLAB ON GRADE REINFORCED WITH #4@12" O.C. LOCATED IN TOP 1/3 OF CONCRETE SLAB DEPTH WITH MINIMUM 1" COVER. PLACE SLAB ON VAPOR BARRIER OVER 8" OF COMPACTED GRANULAR FILL. SLOPE SLAB TO FLOOR DRAINS. TOP OF CONCRETE TO MATCH EXISTING. PROVIDE SLAB JOINTS (SJ) PER 52023.
- ② SAW CUT NEW OPENING IN CONCRETE WALL FOR NEW DOOR/WALKWAY AND PROVIDE NEW LINTEL.
- ③ PROVIDE 4" HOUSEKEEPING SLAB BELOW AHU. REINFORCE WITH WWF 6X6 W2 8XW2.9. REFER TO DETAIL 75202.
- ④ FUTURE HOUSEKEEPING SLAB
- ⑤ PROVIDE NEW CONCRETE SLAB ON GRADE REINFORCED WITH #6@12" WELDED WIRE FABRIC. SLAB THICKNESS TO MATCH EXISTING SLAB THICKNESS, VERIFY IN FIELD. DOWN: NEW SLAB INTO EXISTING WITH #4 x 12" LONG @ 12" O.C. WITH #4 EMBED. COORDINATE EXTENT AND LOCATION WITH ARCHITECTURAL SHEETS.
- ⑥ REFER TO PLUMBING DRAWINGS FOR NEW PIPE BELOW EXISTING FOOTING. PROVIDE A 6" SLEEVE EXTENDING 1 FOOT EACH SIDE OF THE EXISTING FOOTING FOR A NEW 4" PIPE.



**STRUCTURAL - PLAN - FOUNDATION**  
 1/8" = 1'-0"

**NOTE:**  
 FACE OF FOUNDATION WALL PROJECTS 1" IN FRONT OF MASONRY ALL FOUR SIDES OF COURTYARD, TYPICAL.



**KEY PLAN BUILDING 4**

10/28/2022 - ISSUE FOR 100% CONSTRUCTION DOCUMENTS

ISSUE FOR 100% CONSTRUCTION DOCUMENTS	10/28/22
No	REVISION DATE

**JOHNSON WILBUR ADAMS, INC.**  
 STRUCTURAL ENGINEERING  
 330 S. Naperville Road Suite 300  
 Wheaton, Illinois 60187

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.  
 Print Name: Michael J Wilbur  
 Signature: *MJW*  
 Date: 10/28/2022 License # 48456

**ARCHITECT/ENGINEER OF RECORD**  
**Bancroft Architects + Engineers**  
 700 Nicholas Blvd, Suite 300  
 Elk Grove Village, IL 60007  
 T: 847.952.9362  
 www.bancroft-ae.com  
 BAE PROJECT NO. 18-116

APPROVED PROJECT GDR	DATE:	APPROVED SERVICE LINE DIRECTOR	DATE:	APPROVED INFECTION CONTROL NURSE	DATE:
APPROVED GEMS PROJECT MANAGER	DATE:	APPROVED PATIENT SAFETY	DATE:	APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE:
APPROVED PROJECTS SECTION MANAGER	DATE:	APPROVED CHIEF OF POLICE	DATE:	APPROVED CHIEF OF STAFF	DATE:
APPROVED DIRECTOR PMS	DATE:	APPROVED SAFETY MANAGER	DATE:	APPROVED HEALTH CARE SYSTEM DIRECTOR	DATE:

DRAWING TITLE <b>STRUCTURAL - PLAN - FOUNDATION</b>	PROJECT TITLE <b>CONSTRUCT PACT CLINIC BUILDING 4 FIRST FLOOR</b>	DATE: 10/28/22
APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	PROJECT NO: 656-400	PLANT SCALE
APPROVED CHIEF OF STAFF	BUILDING No 4	CHECKED BY / DRAWN SB100
APPROVED HEALTH CARE SYSTEM DIRECTOR	LOCATION ST. CLOUD VAHCS ST. CLOUD, MN 56303	DWG. OF



**GENERAL SHEET NOTES**

**CONTRACTOR NOTE:**  
 CONTRACTOR TO VERIFY EXISTING CONDITIONS PRIOR TO BID TO ENSURE ALL CONFLICTS FOR INSTALLATION OF NEW WORK HAS BEEN IDENTIFIED AND ANY WORK REQUIRED TO MODIFY EXISTING IS INCLUDED IN BID PRICE.

INFILL WINDOW OPENING BELOW WITH CMU. REFER TO NOTE 3 BELOW.

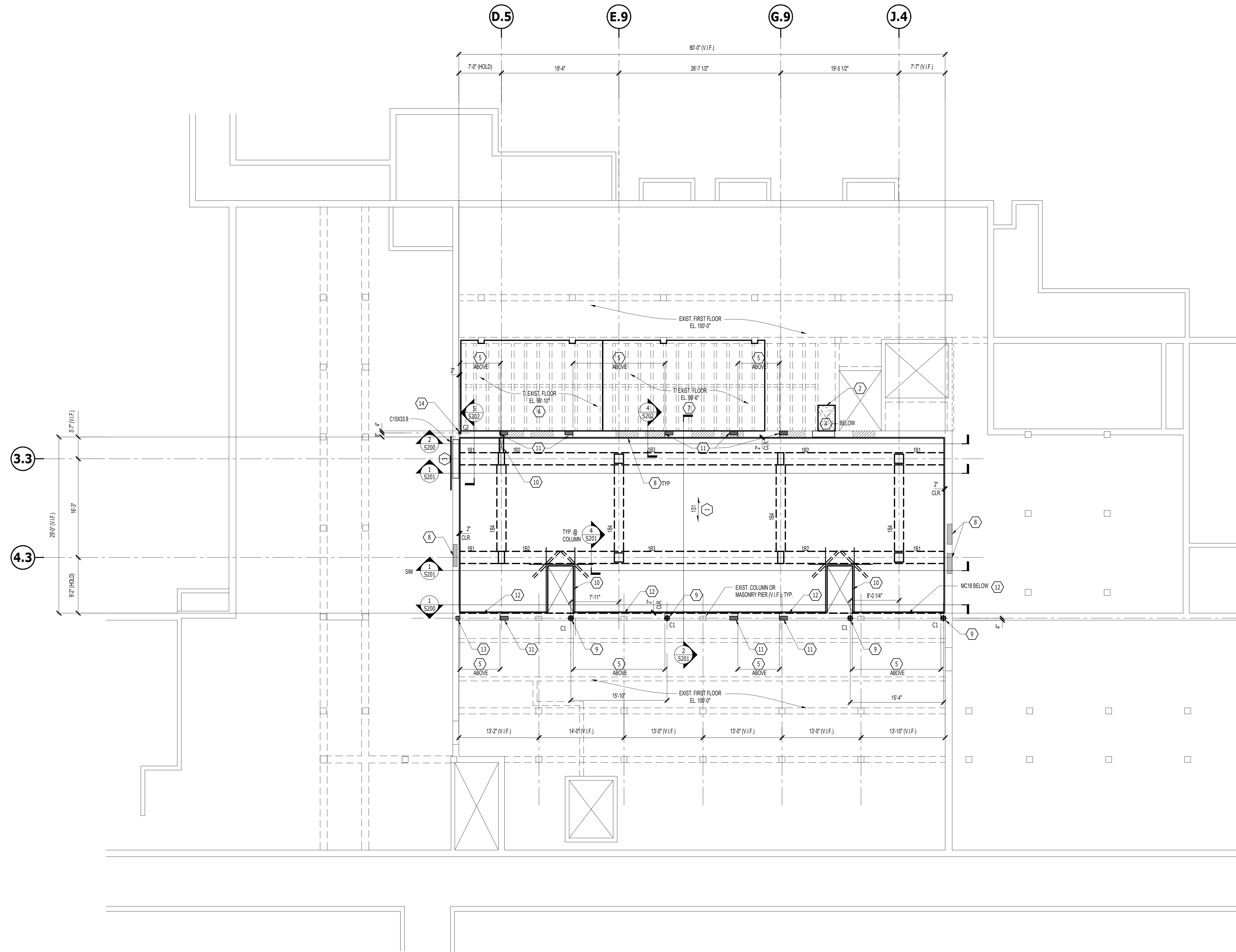
HATCH INDICATES NEW CMU PER PER (1) & (11)

EL 100'-0" (MATCH EXISTING) TOP OF CONCRETE  
 (E) - INDICATES EXISTING CONSTRUCTION. VERIFY IN FIELD.  
 (N) - INDICATES PROPOSED NEW CONSTRUCTION

CC7 C7 REFER TO 1 & 78200 FOR COLUMN SCHEDULE  
 S7 B7 REFER TO 58 85200 FOR SLAB AND BEAM SCHEDULE  
 L7 B7 REFER TO 48 85200 FOR LINTEL AND BEARING PLATE SCHEDULE

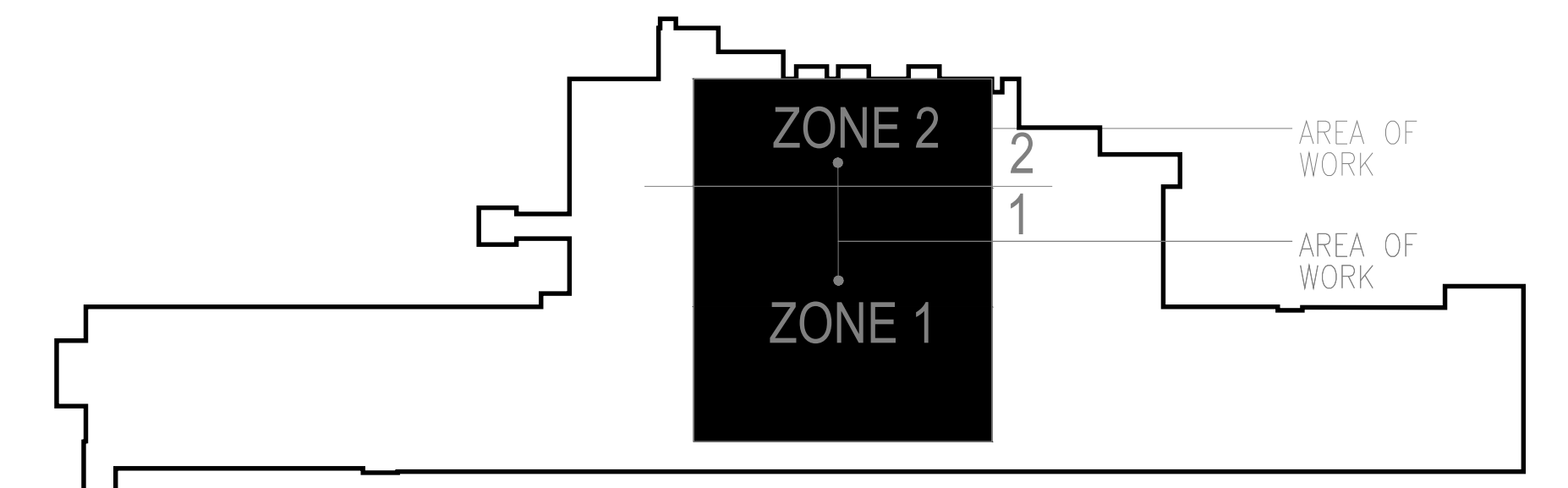
**SHEET KEY NOTES**

- 1 PROVIDE 10" CONCRETE REINFORCED WITH #8@12" O.C. EACH WAY, TOP & BOTT. TYP. & #8@6" O.C. EACH WAY, TOP & BOTT. CONCRETE ONE WAY SLAB. REFER TO 5322 FOR REINFORCING.
- 2 INFILL EXISTING SLAB OPENING PER DETAIL 15202. FIELD VERIFY OPENING SIZE AND LOCATION.
- 3 PROVIDE C15X33.9 HEADER ON INSIDE FACE OF WALL. OPENING PER 5322 PRIOR TO CAREFULLY SAWCUTTING NEW OPENING TO BASEMENT LEVEL FOR NEW DOOR OPENING.
- 4 CAREFULLY SAWCUT EXISTING WINDOW OPENING TO BASEMENT LEVEL FOR NEW OPENING.
- 5 CAREFULLY SAWCUT NEW OPENING IN EXISTING MASONRY WALL BETWEEN THE BASEMENT AND FIRST FLOOR LEVEL. COORDINATE WITH ARCHITECTURAL SHEETS FOR EXACT LOCATION AND OPENING WIDTH AND HEIGHT.
- 6 PROVIDE 2" LIGHTWEIGHT CONCRETE INFILL. ROUGHEN EXISTING SLAB SURFACE TO 1/4" AMPLITUDE. CLEAN SURFACE, AND PROVIDE BONDING AGENT TO SURFACE PRIOR TO NEW POUR.
- 7 PROVIDE 4"± HIGH DENSITY FOAM FILL + 2" LIGHTWEIGHT CONCRETE FILL. FIELD VERIFY EXISTING DEPTH OF DEPRESSED AREA TO BE FILLED. SEE 43202.
- 8 INFILL EXISTING WINDOW OPENING BELOW. REMOVE STONE SILL PRIOR TO PLACING INFILL. REFER TO 33202.
- 9 PROVIDE NEW STEEL COLUMN C1 TO SUPPORT NEW LINTELS. SEE COLUMN SCHEDULE 715202.
- 10 OMIT SLAB IN THIS AREA FOR MECHANICAL SHAFT. COORDINATE LOCATION AND SIZE WITH ARCHITECTURAL AND MECHANICAL SHEETS. PROVIDE ADDITIONAL 2# TOP AND BOTTOM EACH SIDE OF OPENING. EXTEND 3" BEYOND EDGE OF OPENING. PROVIDE ADDITIONAL (2) #5 x 6" TOP & BOTTOM DIAGONAL BARS AT CORNERS.
- 11 PROVIDE #16 MASONRY PIER. GROUT SOLID AND REINFORCE WITH 2#6 VERTICAL BARS WITH MATCHING DOWELS FROM THE FOUNDATION. EPOXY DOWELS WITH HILTI RESO-D3.
- 12 PROVIDE (4) SECTIONS OF MC18X8 ON OUTER (NORTH) FACE OF EXISTING FOUNDATION WALL BELOW FIRST FLOOR. REFER TO 15202.
- 13 PROVIDE #16 MASONRY PIER. GROUT SOLID AND REINFORCE WITH 2#6 VERTICAL BARS WITH MATCHING DOWELS FROM THE FOUNDATION. EPOXY DOWELS WITH HILTI RESO-D3. REFER TO 85202.
- 14 PROVIDE NEW COLUMN C2 TO SUPPORT NEW LINTEL. SEE 75202 AND 95202.



**STRUCTURAL - PLAN - FIRST FLOOR FRAMING**  
 1 SF101 1/8"=1'-0"

**NOTE:**  
 F FOUNDATION WALL PROJECTS 1" IN FRONT OF F1 MASONRY ALL FOUR SIDES OF COURTYARD, TYPICAL.



10/28/2022 - ISSUE FOR 100% CONSTRUCTION DOCUMENTS

ISSUE FOR 100% CONSTRUCTION DOCUMENTS	10/28/22
No	REVISION
	DATE

**JOHNSON WILBUR ADAMS, INC.**  
 STRUCTURAL ENGINEERING

330 S. Naperville Road Suite 300  
 Wheaton, Illinois 60187

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Print Name: Michael J Wilbur  
 Signature: *MJ Wilbur*  
 Date: 10/28/2022 License # 48456

**ARCHITECT/ENGINEER OF RECORD**

*Bancroft*  
**BANCROFT ARCHITECTS + ENGINEERS**

700 Nicholas Blvd, Suite 300  
 Elk Grove Village, IL 60007  
 T: 847.952.9362  
 www.bancroft-ae.com  
 BAE PROJECT NO. 18-116

APPROVED PROJECT GDR	DATE:	APPROVED SERVICE LINE DIRECTOR	DATE:	APPROVED INFECTION CONTROL NURSE	DATE:
APPROVED GERM PROJECT MANAGER	DATE:	APPROVED PATIENT SAFETY	DATE:	APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE:
APPROVED PROJECTS SECTION MANAGER	DATE:	APPROVED CHIEF OF POLICE	DATE:	APPROVED CHIEF OF STAFF	DATE:
APPROVED DIRECTOR PMS	DATE:	APPROVED SAFETY MANAGER	DATE:	APPROVED HEALTH CARE SYSTEM DIRECTOR	DATE:

DRAWING TITLE	STRUCTURAL - PLAN - FIRST FLOOR FRAMING
PROJECT TITLE	CONSTRUCT PACT CLINIC BUILDING 4 FIRST FLOOR
DATE	10/28/22
PLOT SCALE	
PROJECT NO.	656-400
DRAWING NO.	SF101
BUILDING No	4
CHECKED BY	BRAWN
LOCATION	ST. CLOUD VAHCS ST. CLOUD, MN 56303

**VA**

**U.S. Department of Veterans Affairs**  
 Veterans Health Administration  
 St. Cloud VA Health Care System

**GENERAL SHEET NOTES**

**CONTRACTOR NOTE:**  
 CONTRACTOR TO VERIFY EXISTING CONDITIONS PRIOR TO BID TO ENSURE ALL CONFLICTS FOR INSTALLATION OF NEW WORK HAS BEEN IDENTIFIED AND ANY WORK REQUIRED TO MODIFY EXISTING IS INCLUDED IN BID PRICE.

(E) - INDICATES EXISTING CONSTRUCTION, VERIFY IN FIELD  
 (N) - INDICATES PROPOSED NEW CONSTRUCTION

INFILL WINDOW OPENING BELOW WITH CMU. REFER TO NOTE (3) BELOW.

HATCH INDICATES NEW CMU PER PER (10) & (2)

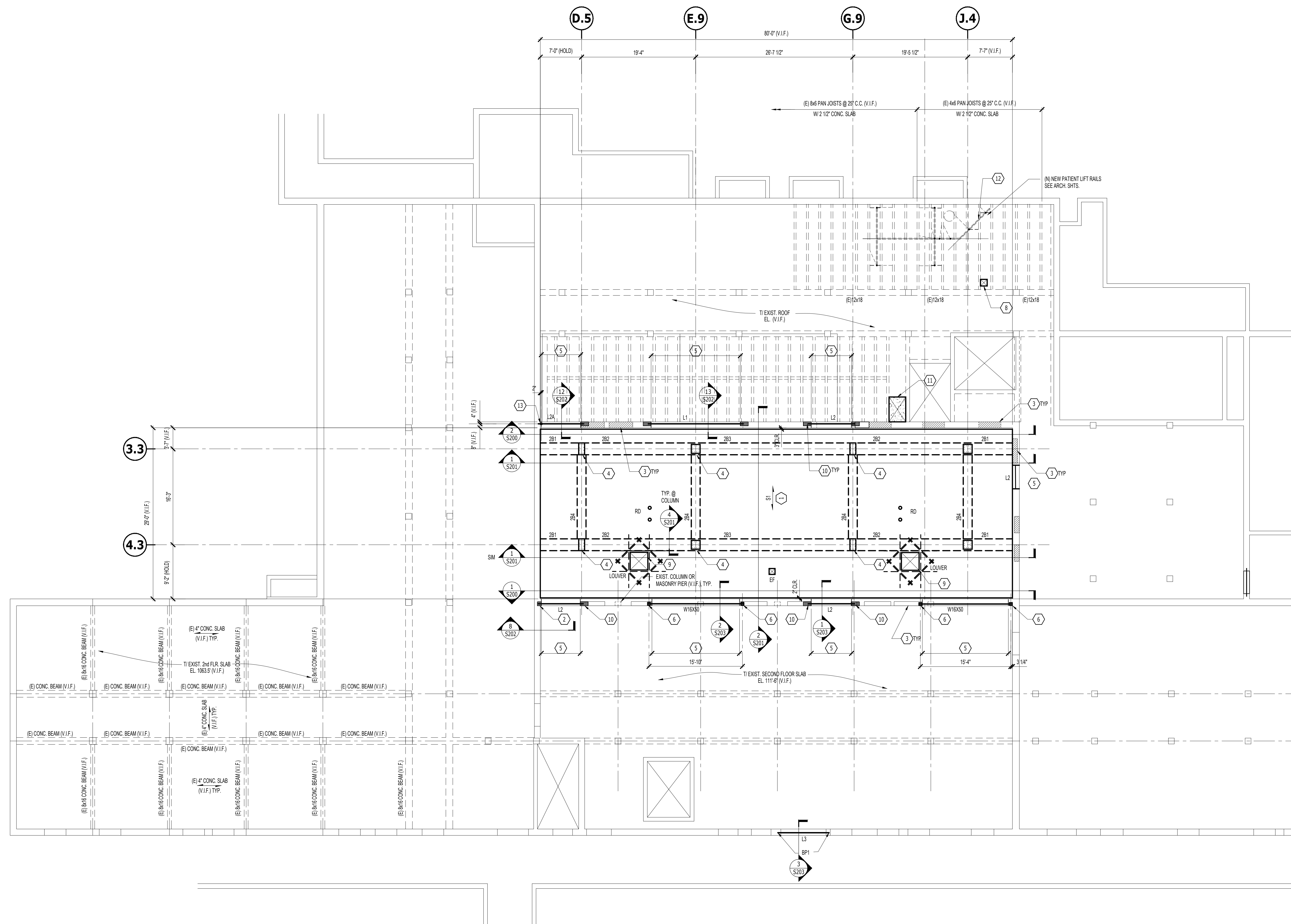
RD - ROOF DRAIN COORDINATE WITH PLUMBING.

C07 C7 REFER TO I & J/S200 FOR COLUMN SCHEDULE  
 S7 B7 REFER TO S&B/S200 FOR SLAB AND BEAM SCHEDULE

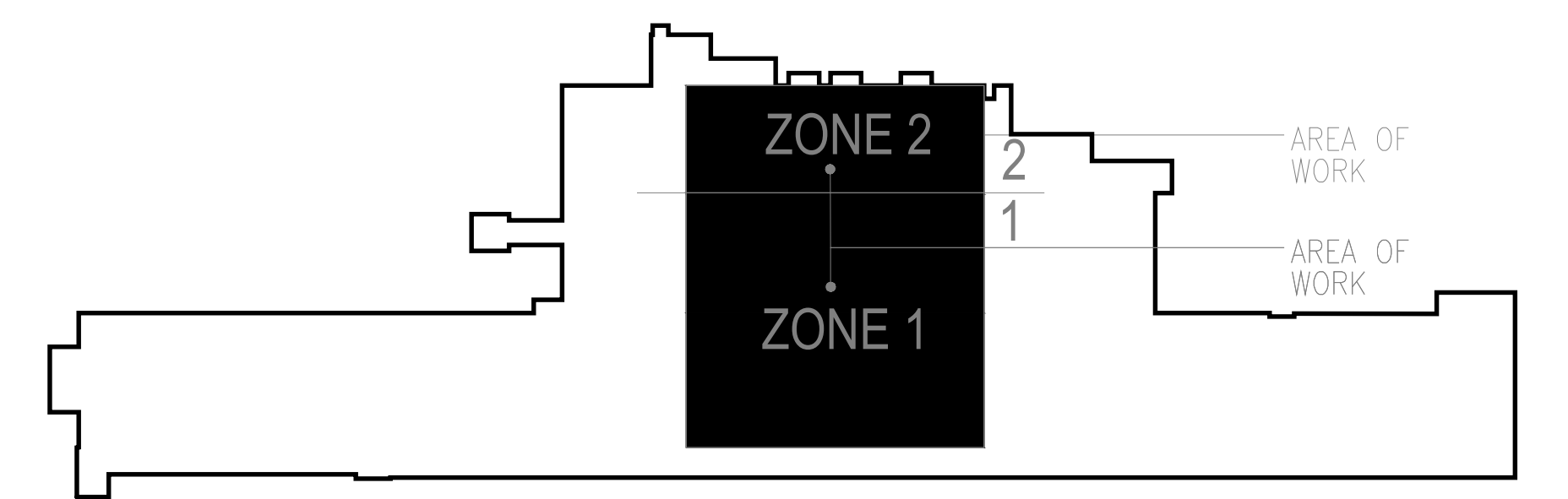
L7 B71 REFER TO A & B/S200 FOR LINTEL AND BEARING PLATE SCHEDULE  
 EL. 111'-0" TOP OF CONCRETE TO MATCH EXISTING.

**SHEET KEY NOTES**

- (1) PROVIDE 1" CONCRETE SLAB REINFORCED WITH #6@12" O.C. EACH WAY, TOP & BOTT. TYP. & #6@8" O.C. EACH WAY, TOP & BOTT. AT CANTILEVERED SLAB & S200
- (2) PROVIDE 2"X8" MASONRY PER. GROUT SOLID AND REINFORCE WITH 2#4 VERTICAL BARS WITH MATCHING DOWELS FROM THE FOUNDATION. EPOXY DOWELS WITH HELIX RES5003. SEE DETAIL 3/S202
- (3) INFILL EXISTING WINDOW OPENINGS BELOW 2ND FLOOR WITH CMU. REFER TO 3/S202.
- (4) PROVIDE LENTON COLUMN REBAR COUPLERS WITH TEMPORARY PLUGS FOR FUTURE EXPANSION. SEE 4/S201. T1 COL. EL. 113'-4"
- (5) CAREFULLY SAWCUT NEW OPENING IN EXISTING MASONRY WALL. COORDINATE WITH ARCHITECTURAL SHEETS FOR EXACT LOCATION AND OPENING WIDTH AND HEIGHT. SHORE AS REQUIRED. SEE 4/S203 FOR CONCEPTUAL SHORING OF SOUTH WALL.
- (6) PROVIDE NEW STEEL COLUMN FROM FIRST FLOOR. SEE SCHEDULE ON S200
- (7) NOT USED
- (8) PROVIDE SLAB OPENING PER 6/S202
- (9) PROVIDE LOUVER OPENINGS IN SLAB. COORDINATE SIZE AND LOCATION WITH MEP DRAWINGS. PROVIDE ADDITIONAL 2#5 TOP AND BOTTOM EACH SIDE OF OPENING. EXTEND MINIMUM 3' BEYOND EDGE OF ARCHITECTURAL OPENING. PROVIDE 2#4@6'-0" DIAGONAL CORNER BARS AT EACH CORNER.
- (10) PROVIDE 2"X10" MASONRY PER. GROUT SOLID AND REINFORCE WITH 2#4 VERTICAL BARS WITH MATCHING DOWELS FROM THE FOUNDATION. EPOXY DOWELS WITH HELIX RES5003. SEE DETAIL 3/S202
- (11) INFILL EXISTING SLAB OPENING PER DETAIL 1/S202. FIELD VERIFY OPENING SIZE AND LOCATION.
- (12) CONCEPTUAL LAYOUT OF LIFT SUPPORT AND BRACING. SEE 2/S202.
- (13) PROVIDE NEW COLUMN C2 FOR NEW LINTEL. SEE 7/S200 AND 9/S202.



**STRUCTURAL - PLAN - ROOF FRAMING (FUTURE SECOND FLOOR)**  
 1/8"=1'-0"  
 N  
 1  
 S202



**KEY PLAN BUILDING 4**  
 NTS

10/28/2022 - ISSUE FOR 100 % CONSTRUCTION DOCUMENTS

ISSUE FOR 100% CONSTRUCTION DOCUMENTS	10/28/22
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REVISION	DATE

**JOHNSON WILBUR ADAMS, INC.**  
 STRUCTURAL ENGINEERING  
 330 S. Naperville Road, Suite 300  
 Wheaton, Illinois 60187

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.  
 Print Name: Michael J Wilbur  
 Signature: *MJ Wilbur*  
 Date: 10/28/2022 License #: 48456

ARCHITECT/ENGINEER OF RECORD  
  
 700 Nicholas Blvd, Suite 300  
 Elk Grove Village, IL 60007  
 T: 847.952.9342  
 www.bancroft-ae.com  
 BAE PROJECT NO. 18-116

APPROVED PROJECT COR	DATE	APPROVED SERVICE LINE DIRECTOR	DATE	APPROVED INJECTION CONTROL NURSE	DATE
APPROVED GENIC PROJECT MANAGER	DATE	APPROVED PATIENT SAFETY	DATE	APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE
APPROVED PROJECTS SECTION MANAGER	DATE	APPROVED CHIEF OF POLICE	DATE	APPROVED CHIEF OF STAFF	DATE
APPROVED DIRECTOR TAG	DATE	APPROVED SAFETY MANAGER	DATE	APPROVED HEALTH CARE SYSTEM DIRECTOR	DATE

DRAWING TITLE	PROJECT TITLE	DATE
STRUCTURAL - PLAN - ROOF FRAMING (FUTURE SECOND FLR.)	CONSTRUCT PACT CLINIC BUILDING 4 FIRST FLOOR	10/28/22
APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	PROJECT NO.	DATE
DATE	656-400	10/28/22
APPROVED CHIEF OF STAFF	BUILDING NO.	DRAWN BY
DATE	4	SF102
APPROVED HEALTH CARE SYSTEM DIRECTOR	LOCATION	DATE
DATE	ST. CLOUD VAHCS ST. CLOUD, MN 56303	10/28/22

**VA**  
 U.S. Department of Veterans Affairs  
 Veterans Health Administration  
 St. Cloud VA Health Care System

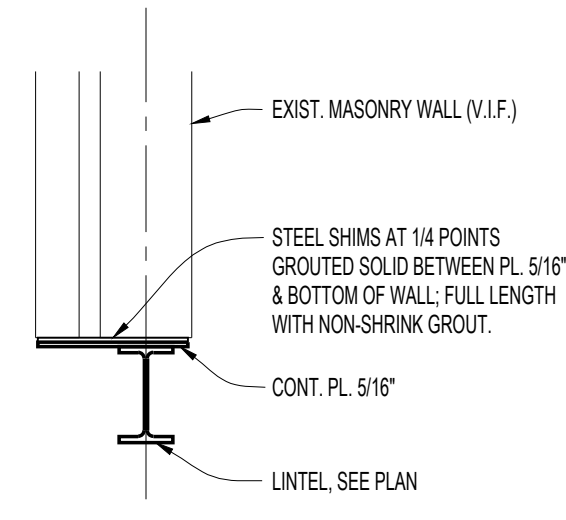
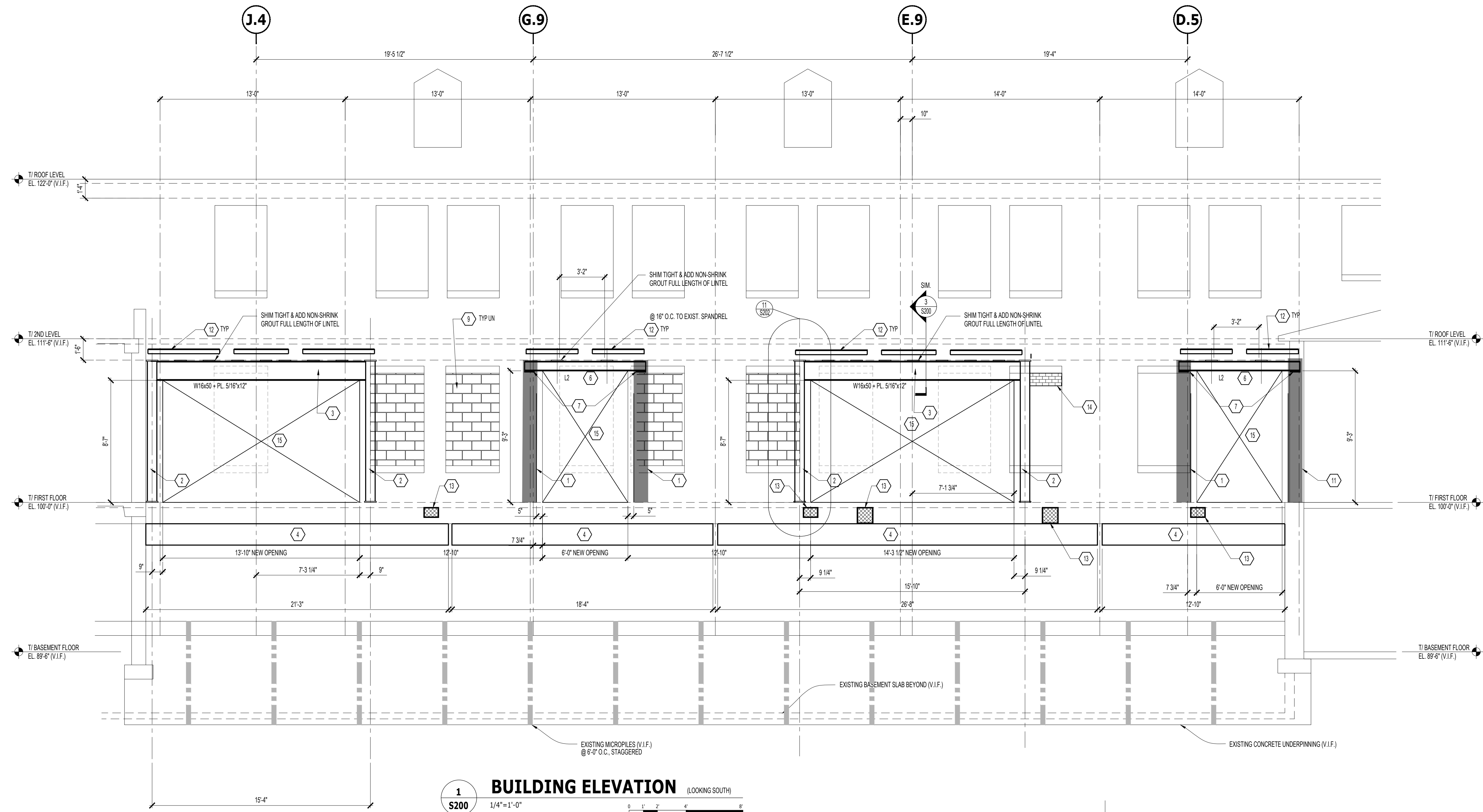
**GENERAL SHEET NOTES**

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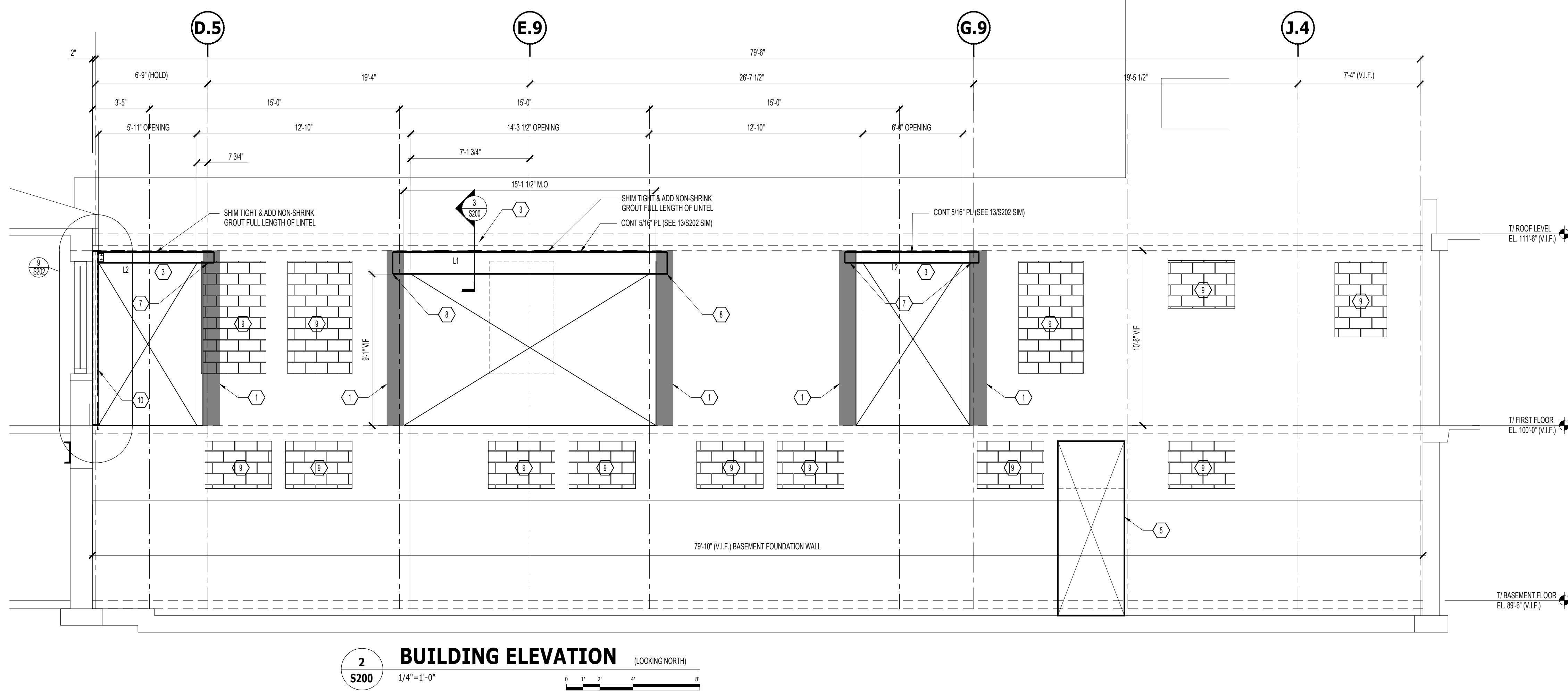
INDICATES CMU INFILL OF EXISTING WINDOW OPENINGS (FIELD VERIFY SIZE) PER KEYNOTE 15

**SHEET KEY NOTES**

- 1 NEW MASONRY PIER, 8"x18" GROUT SOLID AND PROVIDE #5 VERTICAL BAR IN EACH CELL. DOWEL (EPOXY ADHESIVE RESIN) TO EXISTING CONCRETE.
- 2 NEW STEEL COLUMN C1 (HSS8x6), SEE SCHEDULE ON S200.
- 3 NEW STEEL BEAM LINTEL SEE LINTEL SCHEDULE S202. STEEL SHIMS AT 14 POINTS AND GROUT FULL LENGTH OF LINTEL WITH NON-SHRINK GROUT.
- 4 LOAD DISTRIBUTION CHANNEL MC18x58 W/ (2)-3/4"x8" KWIK BOLTS 3 @ 18" O.C. W/ ADDITIONAL (2)-3/4"x8" KWIK BOLT 3 BELOW EACH COLUMN. EMBED 5"
- 5 PROVIDE FULL HT ACCESS BY EXTENDING THE WINDOW OPENING TO THE FLOOR LEVEL. SAWCUT OPENING.
- 6 NEW STEEL LINTEL SEE S202.
- 7 PROVIDE BEARING PLATE B/P1 PL 3/4"x7" (SEE S202)
- 8 PROVIDE BEARING PLATE B/P2 PL 3/4"x7" (SEE S202)
- 9 INFILL EXISTING MASONRY OPENING WITH 8" CMU AND 4" CMU. REMOVE EXISTING STONE SILL WHEN PRESENT PRIOR TO PLACING INFILL. SEE S3S202.
- 10 COL C2 (HSS4X4) SEE COLUMN SCHEDULE S200 AND S6S202
- 11 MASONRY PIER SEE S6S202. 8"x8" IN BLOCK ANCHORED TO B/B (S). GROUT EXISTING CELL AND NEW SOLID. PLACE 1#5 IN GROUTED CELL.
- 12 1/4x12#4 ANGLE ANCHORED TO WALL WITH 2" HLTL HB T2 AT 18" O.C. MIN. 5" EMBED. TO SUPPORT BRICK VENEER ABOVE OPENING. PROVIDE BREAK IN ANGLE AT SHORING POSTS IF REQUIRED. REFER TO S203 FOR CONCEPTUAL SHORING.
- 13 INFILL EXISTING OPENING WITH CONCRETE INFILL
- 14 INFILL EXISTING MASONRY LOUVER OPENING WITH 8" CMU AND 4" CMU.
- 15 SEE S203 FOR CONCEPTUAL SHORING OF SOUTH WALL.



**3 WALL SECTION**  
 3/4" = 1'-0"



10/28/2022 - ISSUE FOR 100 % CONSTRUCTION DOCUMENTS

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No	REVISION
	DATE

**JOHNSONWILBUR ADAMS, INC.**  
 STRUCTURAL ENGINEERING  
 330 S. Naperville Road Suite 300  
 Wheaton, Illinois 60187

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.  
 Print Name: Michael J Wilbur  
 Signature: *MJW*  
 Date: 10/28/2022 License # 48456

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 BAE PROJECT NO. 18-116

APPROVED PROJECT GDR	DATE:	APPROVED SERVICE LINE DIRECTOR	DATE:	APPROVED INSPECTION CONTROL NURSE	DATE:
APPROVED GEMS PROJECT MANAGER	DATE:	APPROVED PATIENT SAFETY	DATE:	APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE:
APPROVED PROJECTS SECTION MANAGER	DATE:	APPROVED CHIEF OF POLICE	DATE:	APPROVED CHIEF OF STAFF	DATE:
APPROVED DIRECTOR PMS	DATE:	APPROVED SAFETY MANAGER	DATE:	APPROVED HEALTH CARE SYSTEM DIRECTOR	DATE:

DRAWING TITLE <b>STRUCTURAL BUILDING ELEVATIONS</b>	DATE: 10/28/22
PROJECT TITLE <b>CONSTRUCT PACT CLINIC BUILDING 4 FIRST FLOOR</b>	PROJECT SCALE 656-400
APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	PROJECT NO. 656-400
APPROVED CHIEF OF STAFF	DRAWING NO. S200
APPROVED HEALTH CARE SYSTEM DIRECTOR	LOCATION ST. CLOUD VAHCS ST. CLOUD, MN 56303

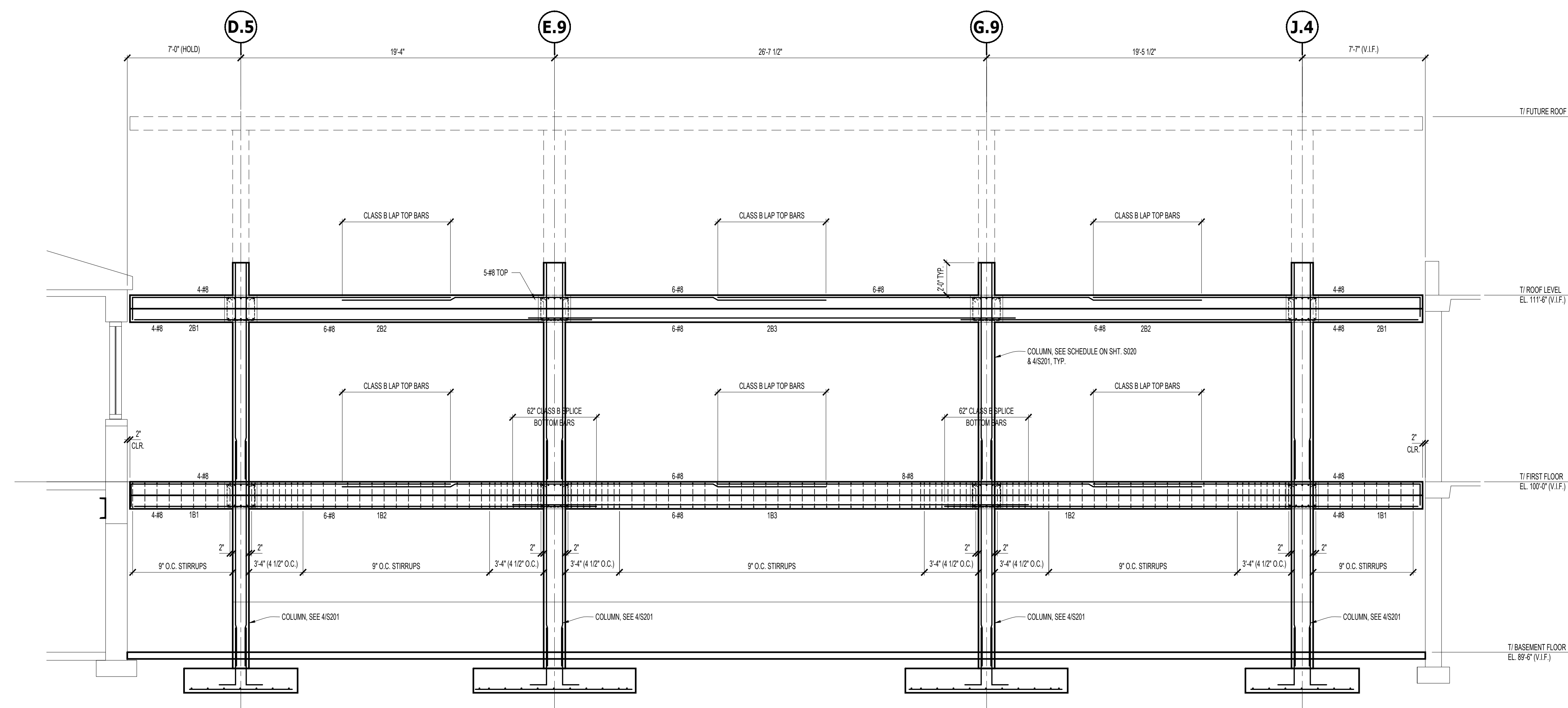
**U.S. Department of Veterans Affairs**  
 Veterans Health Administration  
 St. Cloud VA Health Care System

GENERAL SHEET NOTES

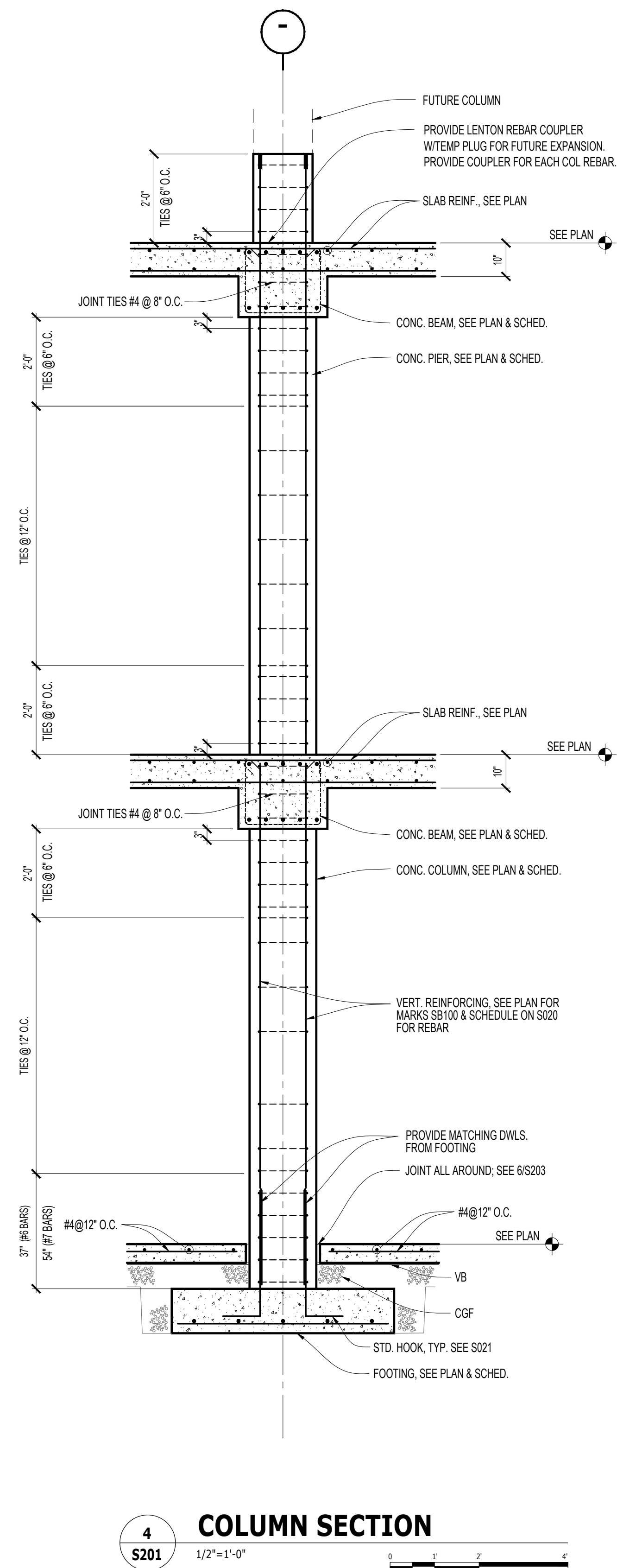
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 01 - INDICATES CONCRETE BEAM. SEE APPLICABLE SECTIONS & SCHEDULE ON SHY. S202

SHEET KEY NOTES

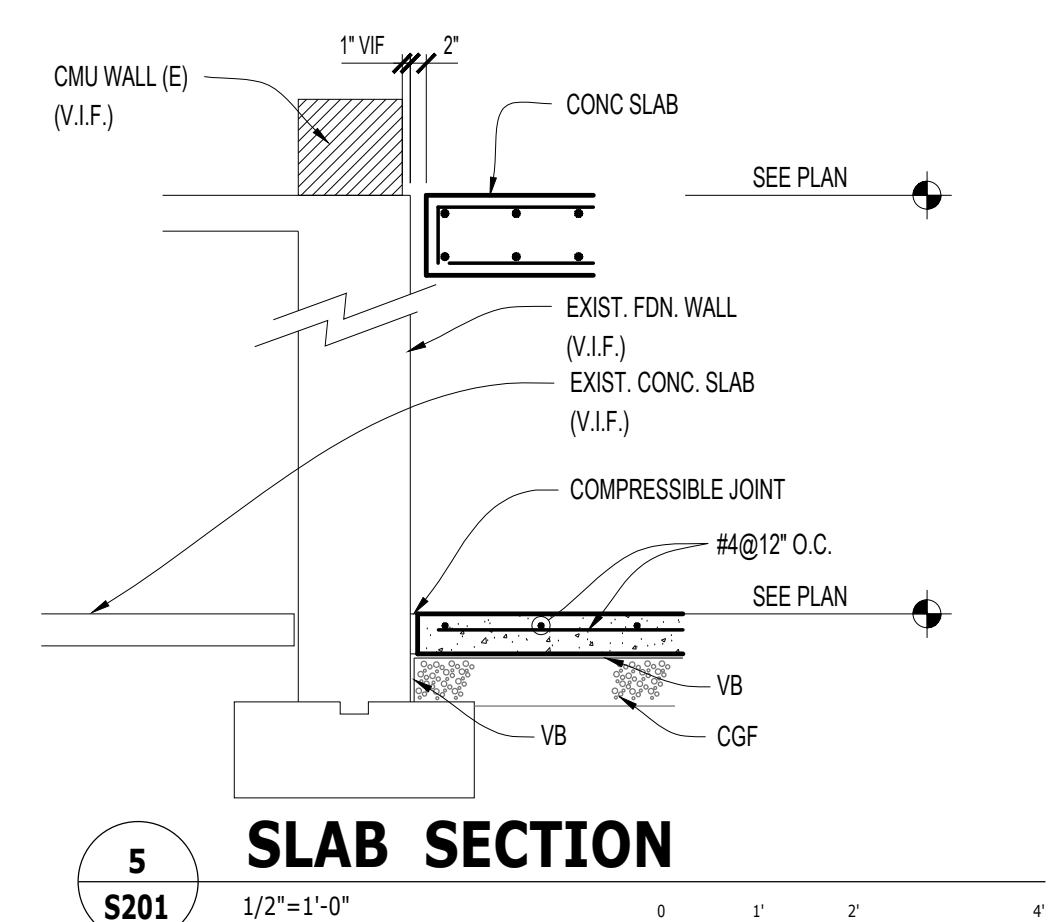
01 SHORE EXISTING STRUCTURE AS REQUIRED TO PLACE NEW OPENINGS. SUBMIT SHORING PROCEDURE SEALED BY M.N. PE FOR RECORD PURPOSES ONLY. SHORING TO BE LOCATED OUTSIDE (NORTH) OF EXISTING BUILDING.



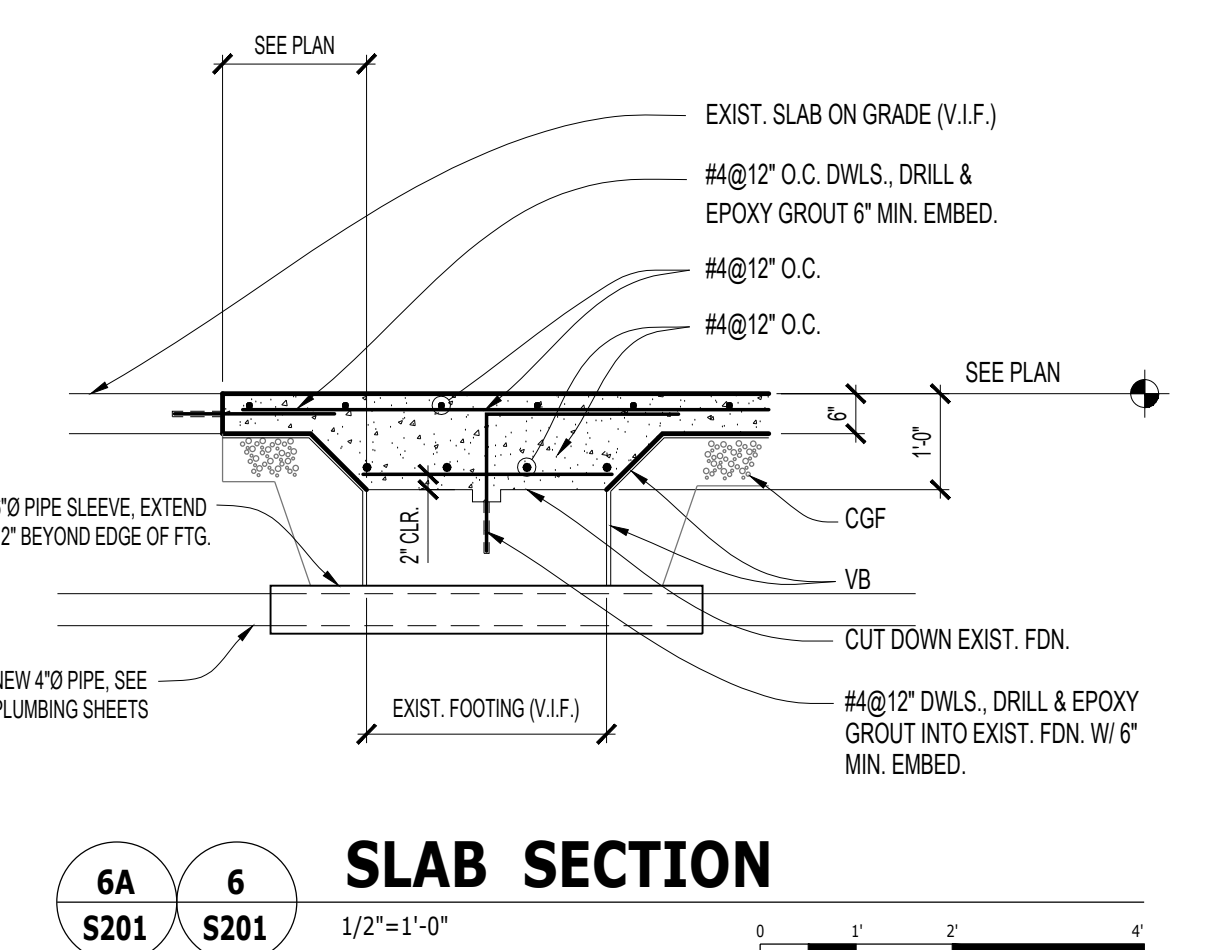
**1 BUILDING SECTION**  
 S201 1/4"=1'-0"  
 0 1' 2' 4'



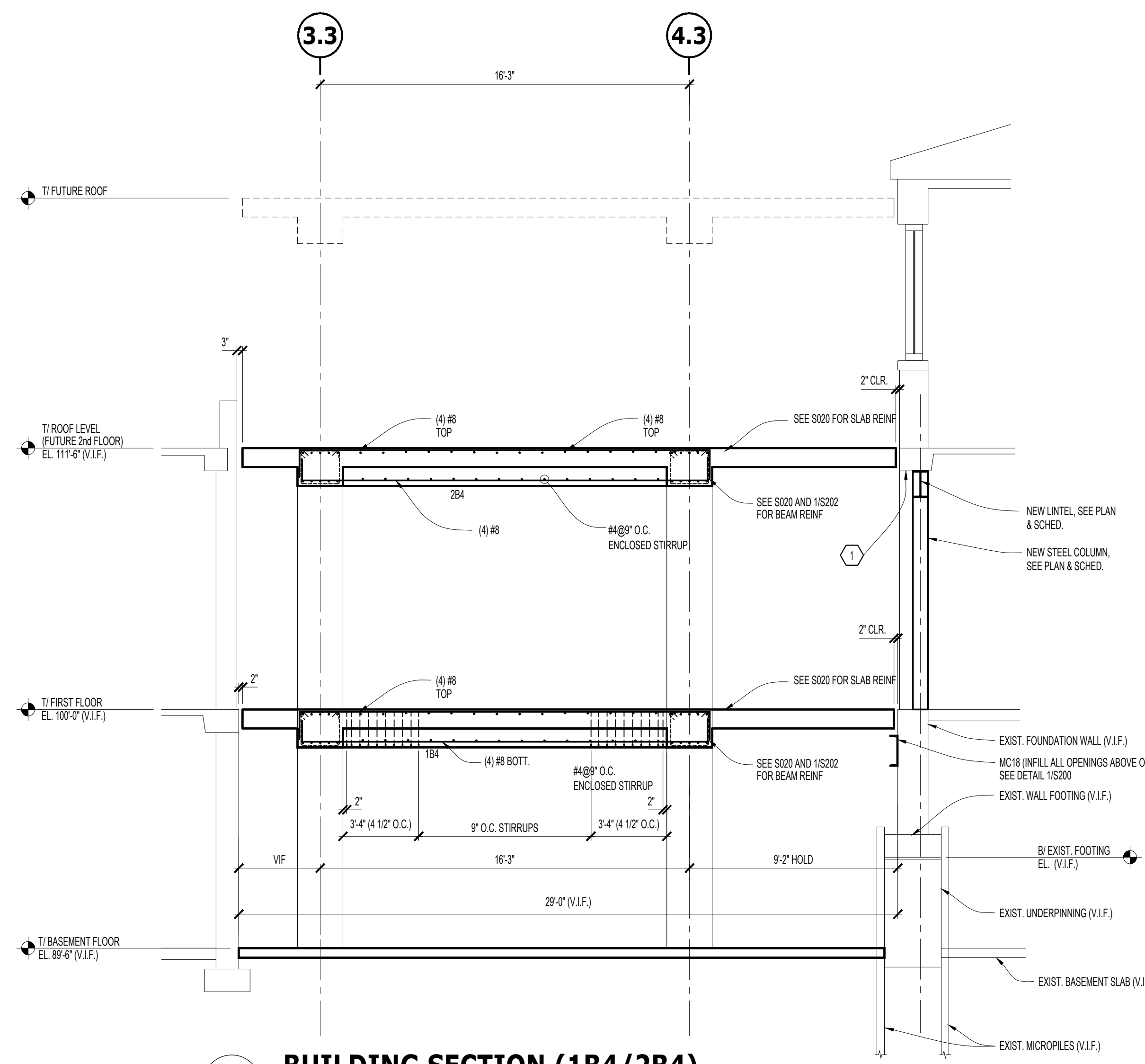
**4 COLUMN SECTION**  
 S201 1/2"=1'-0"  
 0 1' 2'



**5 SLAB SECTION**  
 S201 1/2"=1'-0"  
 0 1' 2'



**6A SLAB SECTION**  
 S201 1/2"=1'-0"  
 0 1' 2'



**2 BUILDING SECTION (1B4/2B4)**  
 S201 1/4"=1'-0"  
 0 1' 2' 4'

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ISSUE FOR 100% CONSTRUCTION DOCUMENTS	10/28/22
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 BAE PROJECT NO. 18-116

APPROVED PROJECT GDR	DATE:	APPROVED SERVICE LINE DIRECTOR	DATE:	APPROVED INFECTION CONTROL NURSE	DATE:
APPROVED GEN'S PROJECT MANAGER	DATE:	APPROVED PATIENT SAFETY	DATE:	APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE:
APPROVED PROJECTS SECTION MANAGER	DATE:	APPROVED CHIEF OF POLICE	DATE:	APPROVED CHIEF OF STAFF	DATE:
APPROVED DIRECTOR PMS	DATE:	APPROVED SAFETY MANAGER	DATE:	APPROVED HEALTH CARE SYSTEM DIRECTOR	DATE:

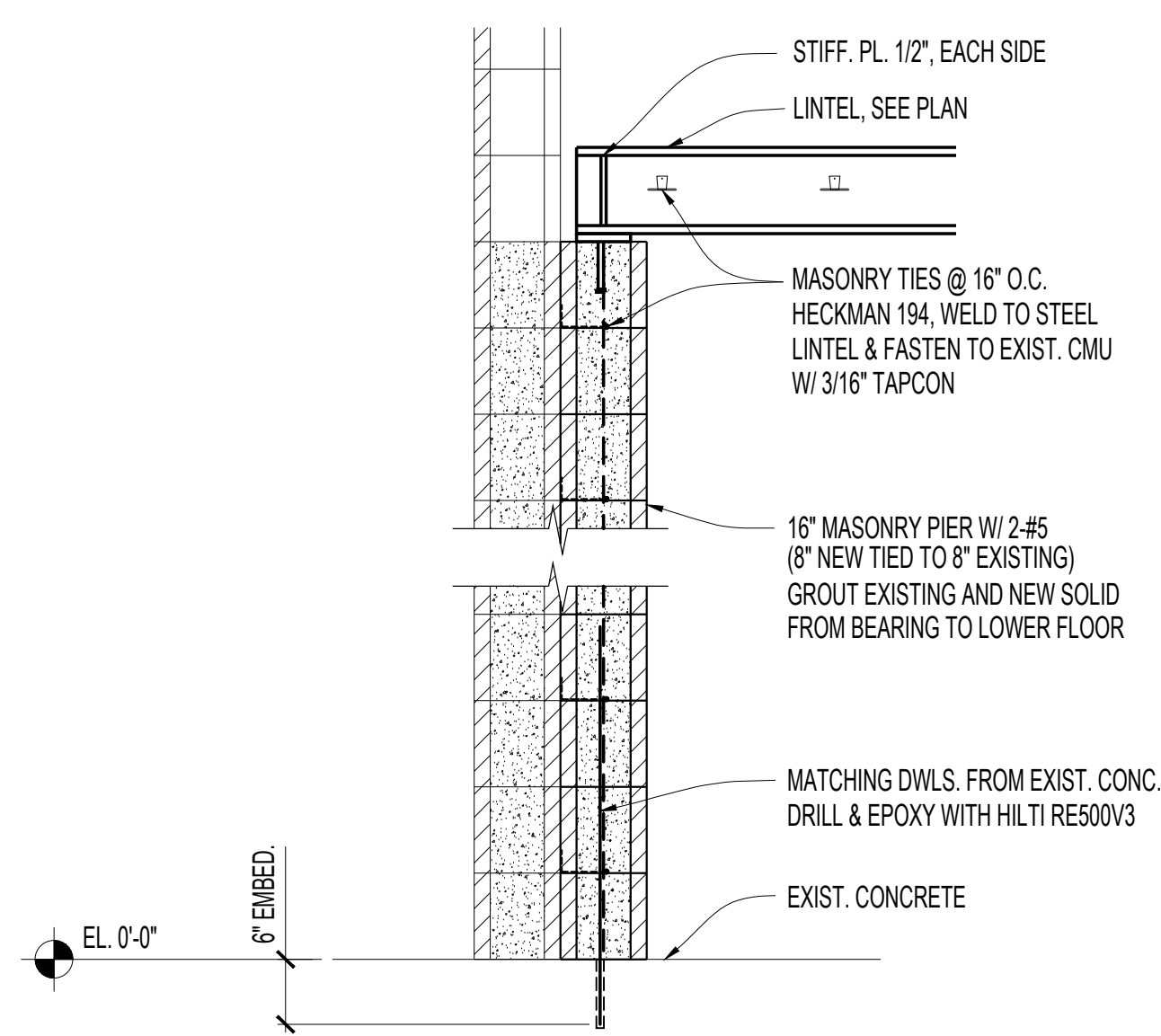
DRAWING TITLE STRUCTURAL - BUILDING SECTIONS & DETAILS	DATE: 10/28/22
PROJECT TITLE CONSTRUCT PACT CLINIC BUILDING 4 FIRST FLOOR	PROJECT NO. 656-400
DRAWING NO. S201	DATE: 10/28/22
BUILDING NO. 4	CHECKED BY [Signature]
LOCATION ST. CLOUD VAHCS ST. CLOUD, MN 56303	DWG. OF



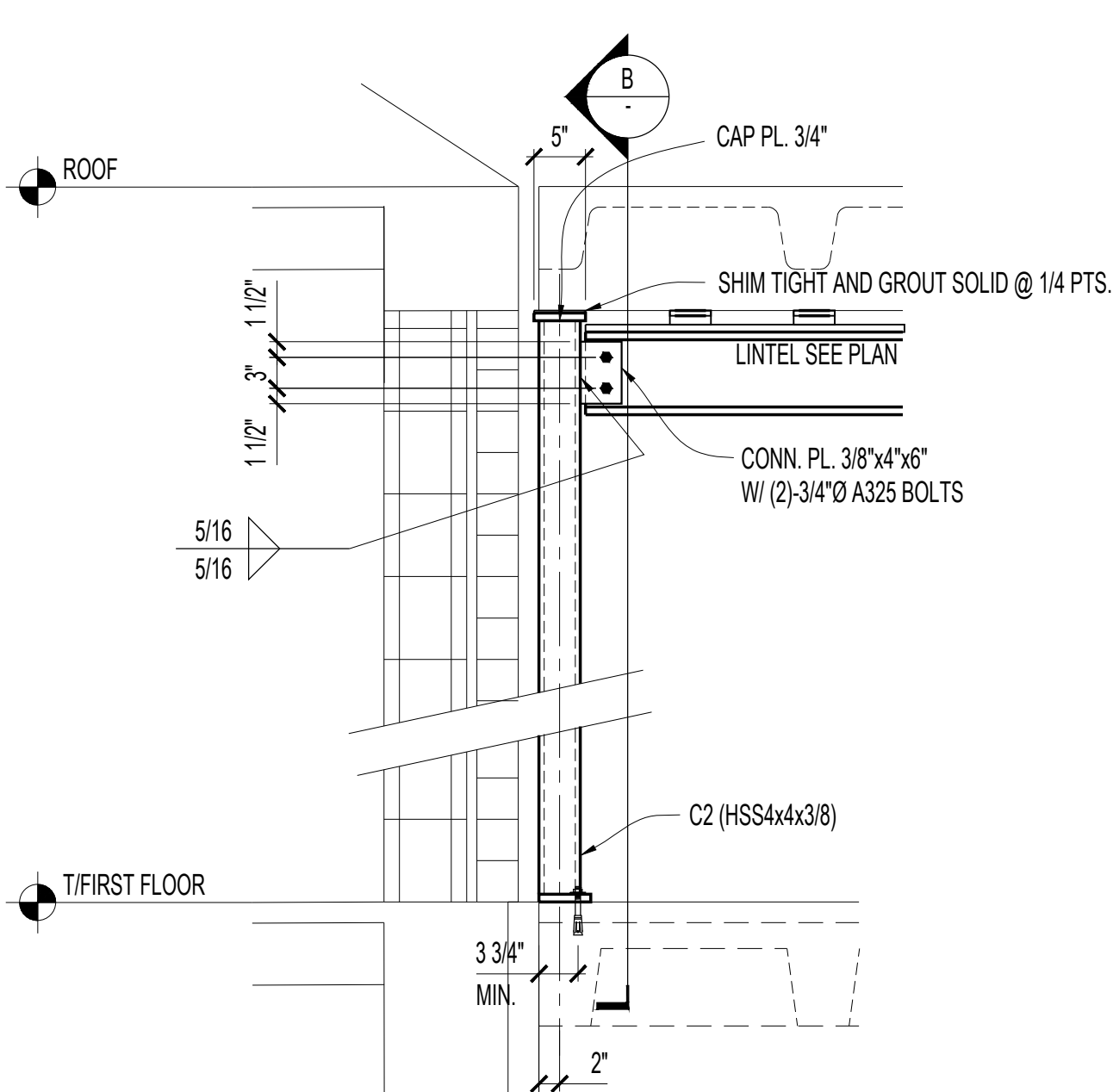


GENERAL SHEET NOTES

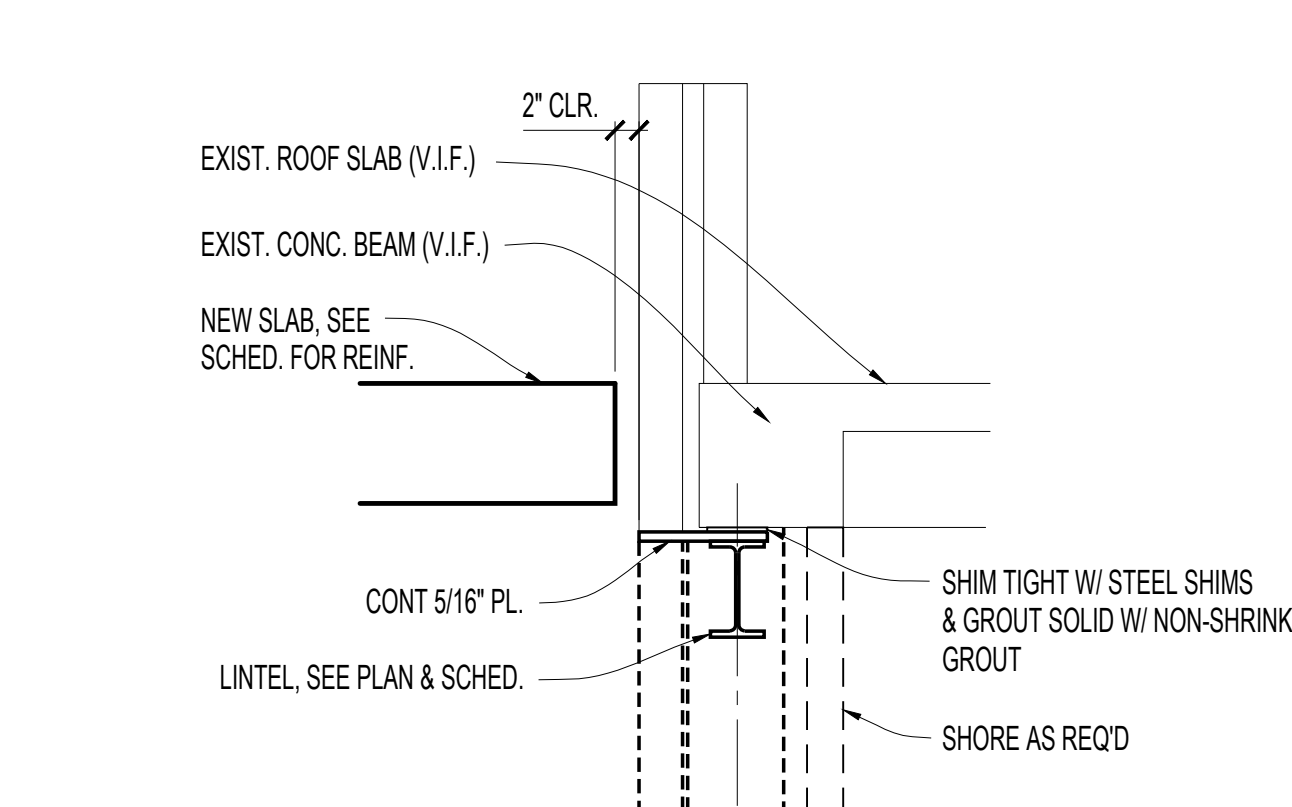
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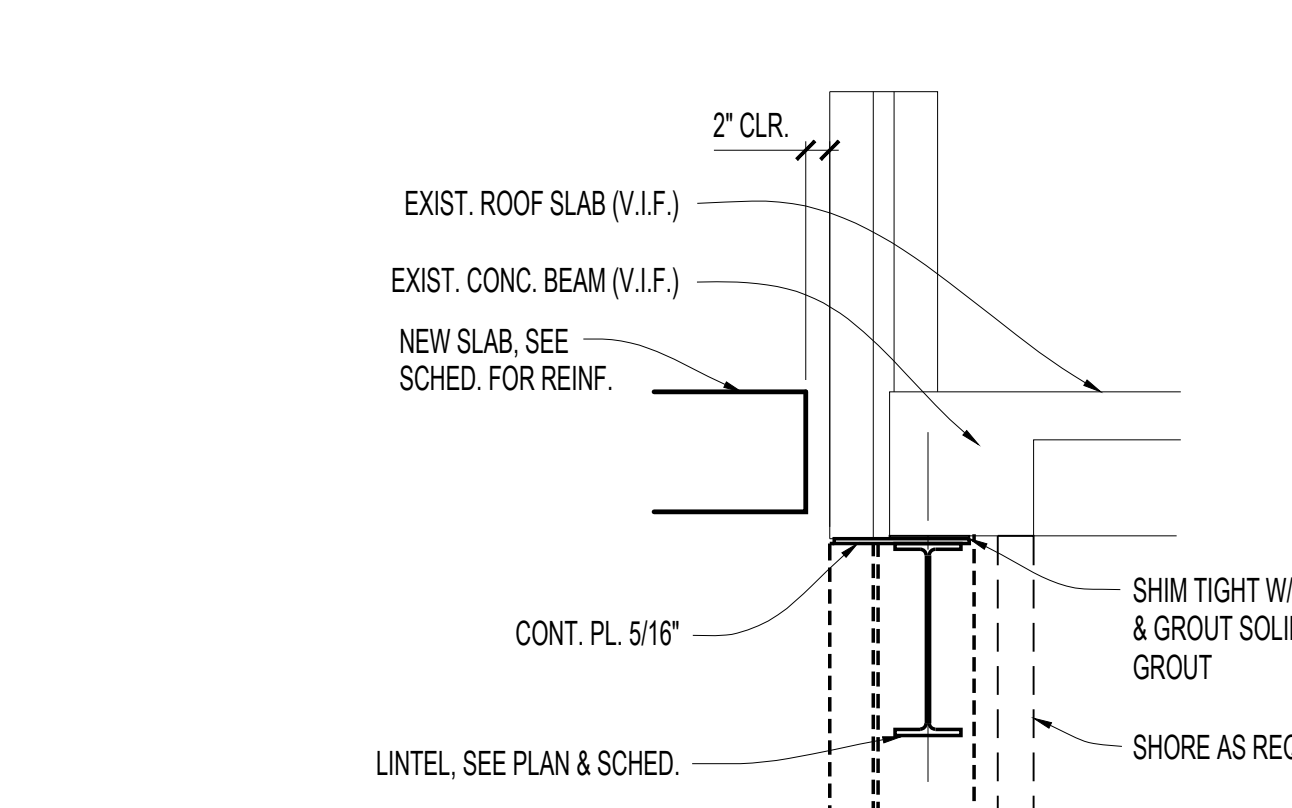
8 FRAMING SECTION  
 S202 3/4"=1'-0"



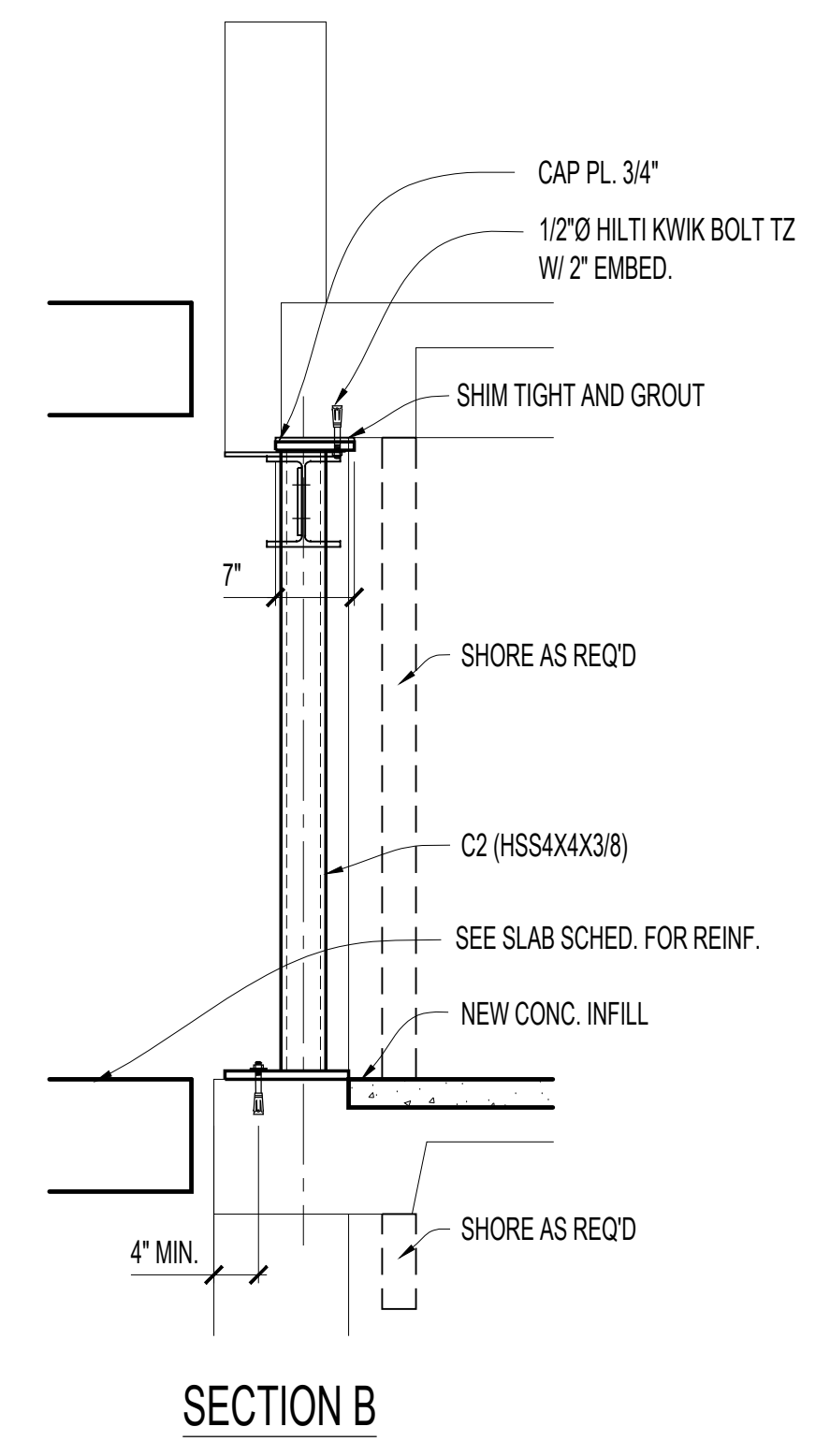
9 COLUMN SECTION  
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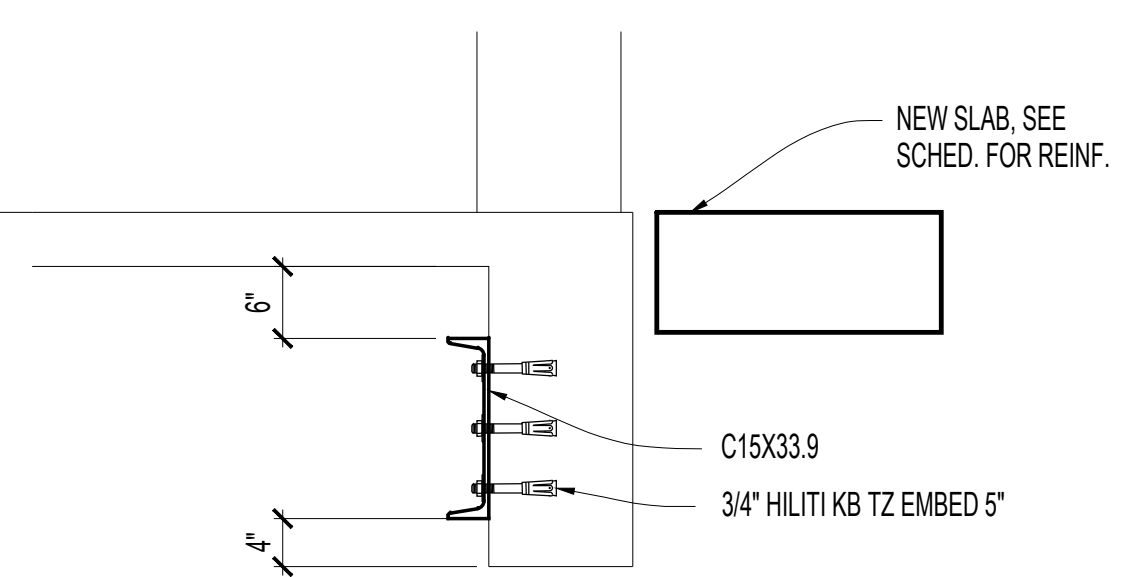
12 FLOOR SECTION  
 S202 3/4"=1'-0"



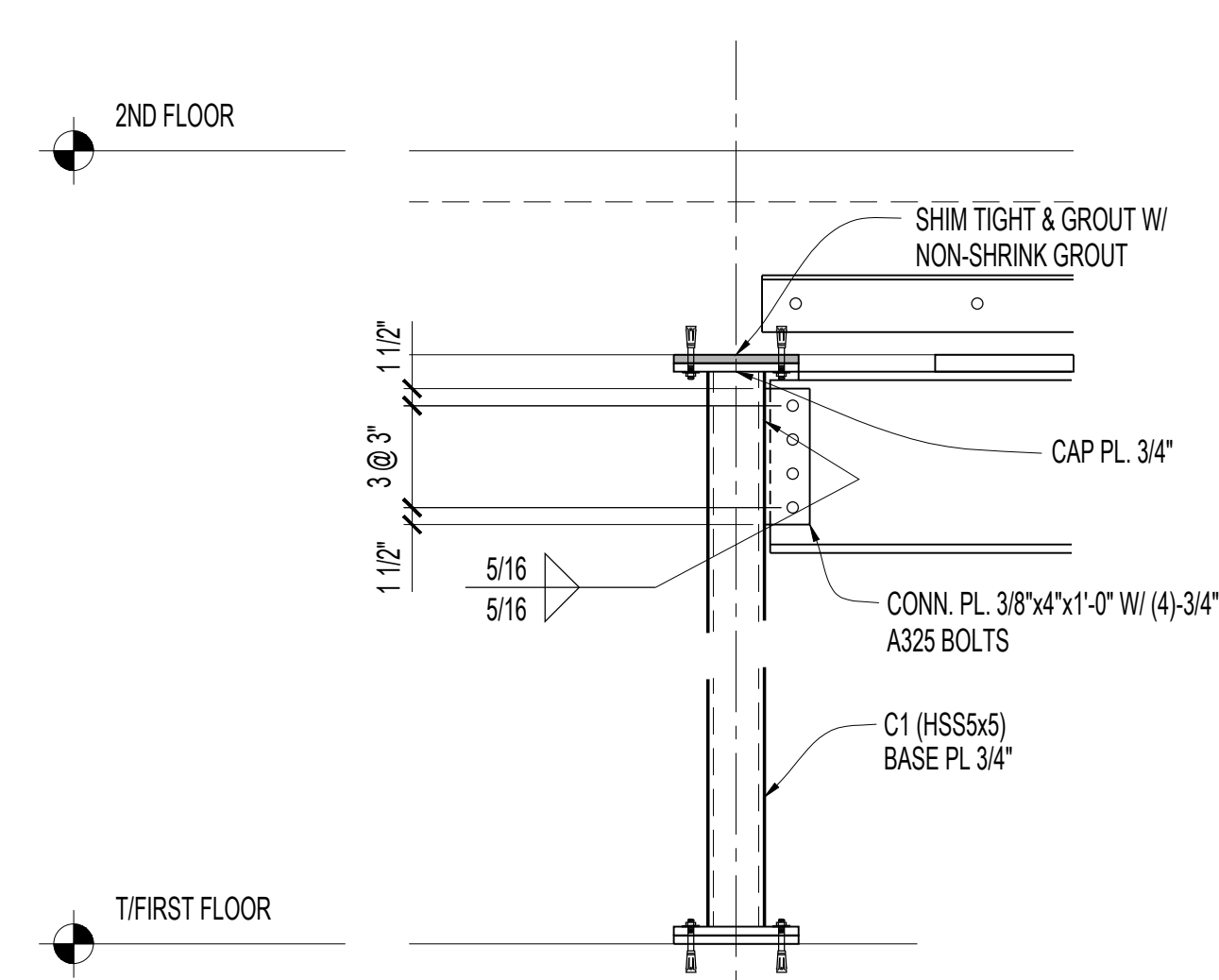
13 FLOOR SECTION  
 S202 3/4"=1'-0"



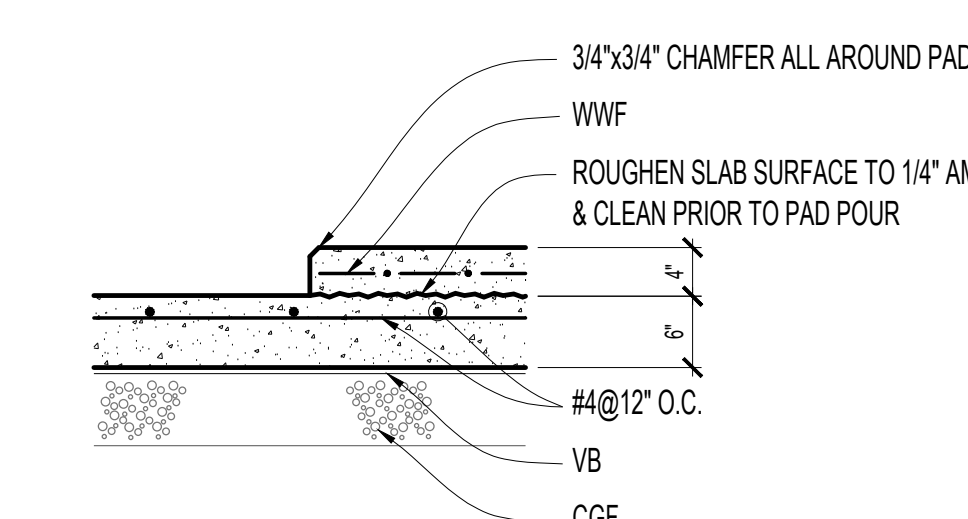
SECTION B



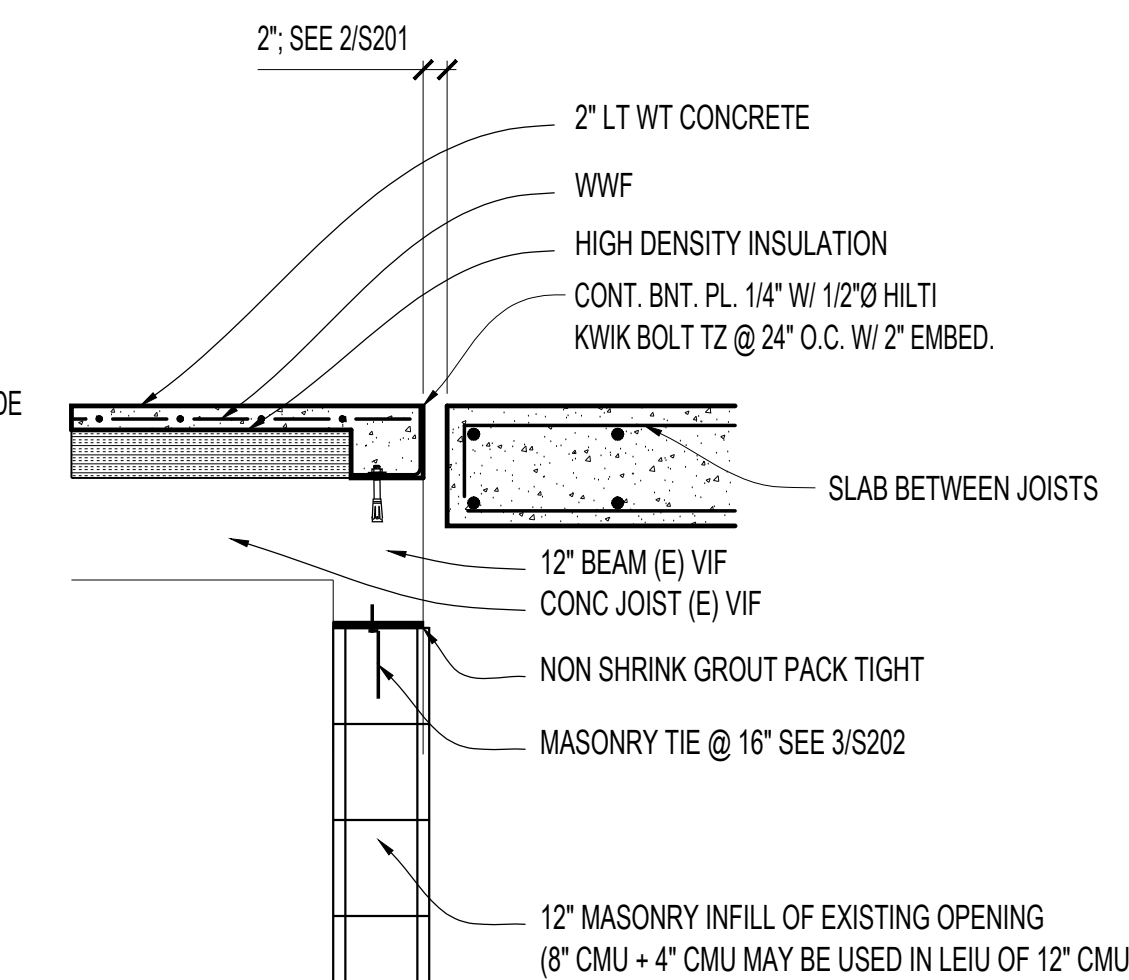
10 FLOOR SECTION  
 S202 3/4"=1'-0"



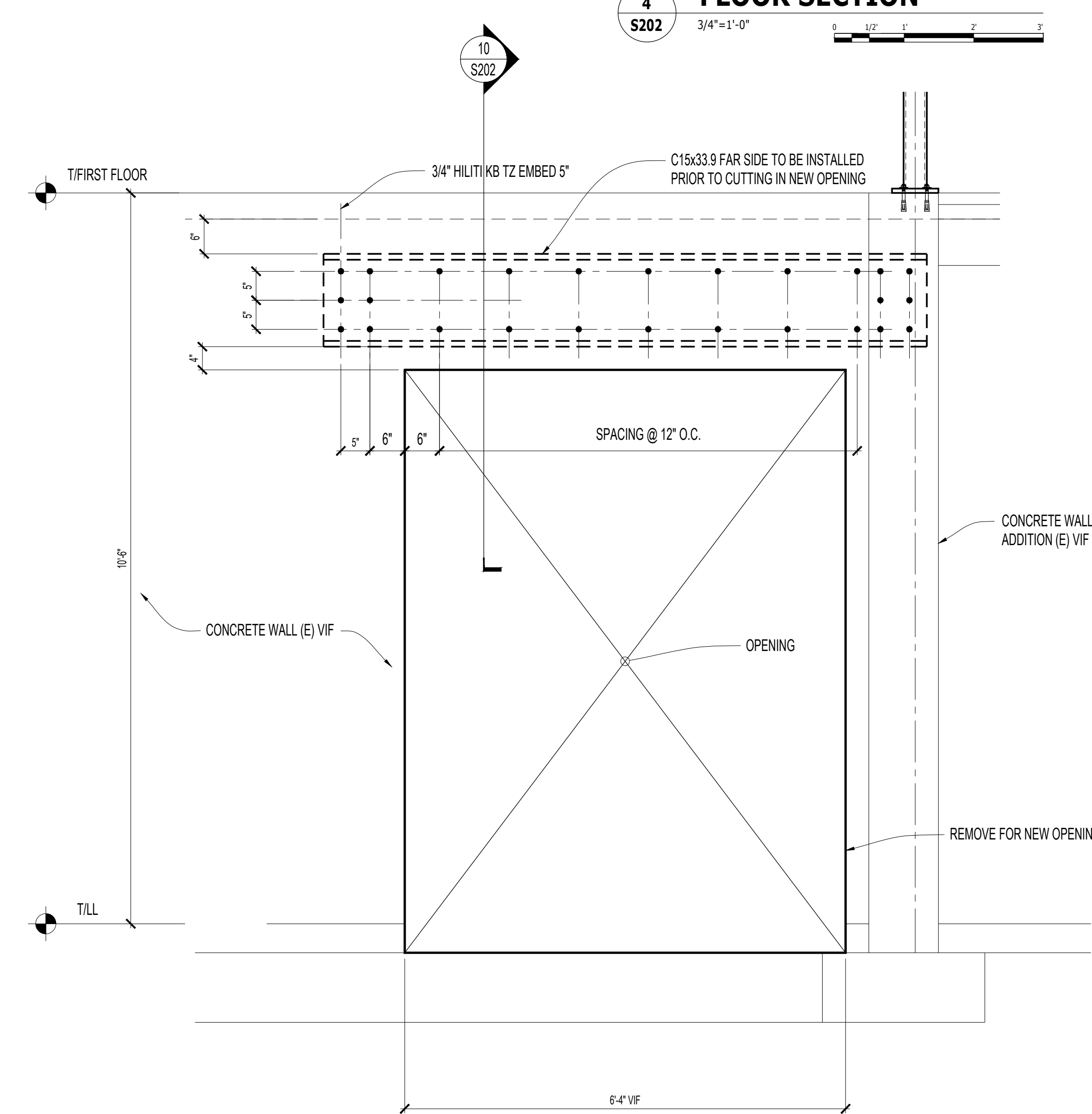
11 COLUMN SECTION  
 S202 3/4"=1'-0"



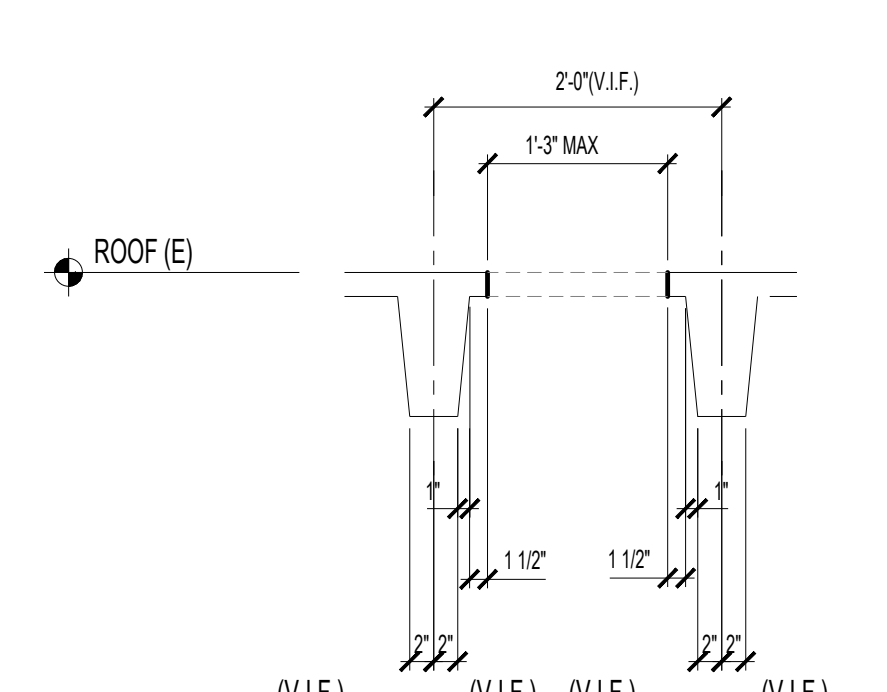
7 SLAB SECTION  
 S202 3/4"=1'-0"



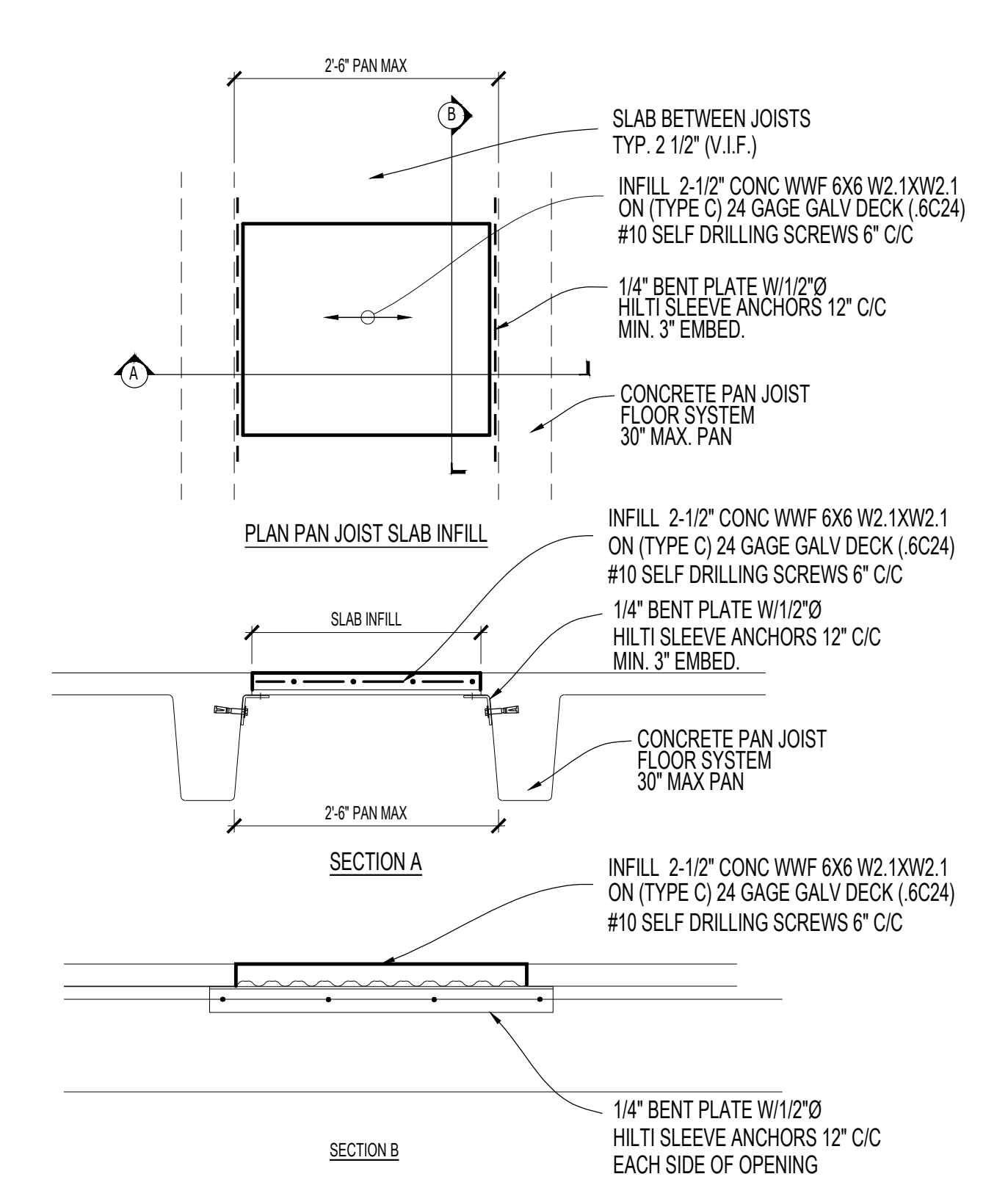
4 FLOOR SECTION  
 S202 3/4"=1'-0"



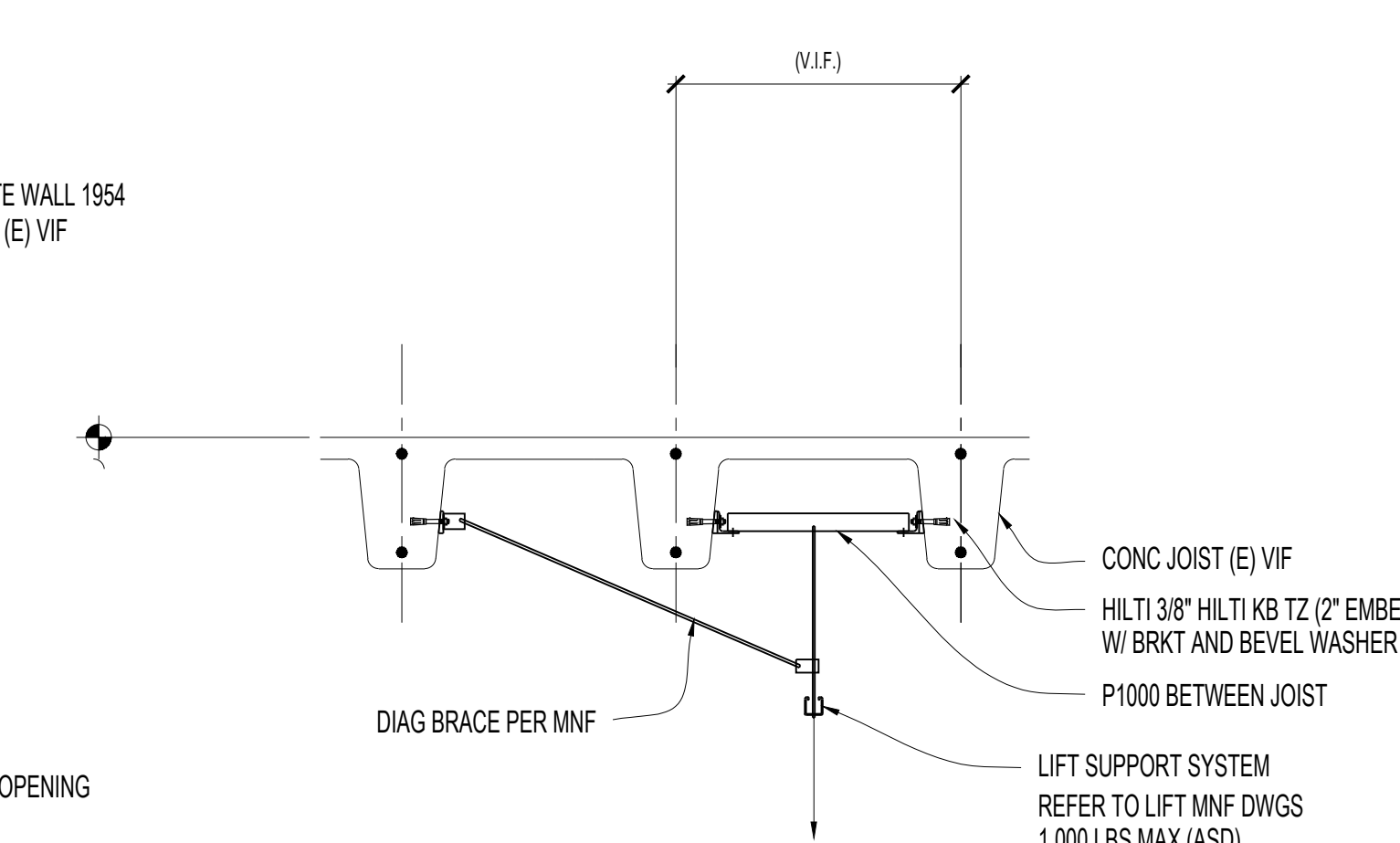
5 WALL OPENING SECTION  
 S202 3/4"=1'-0"



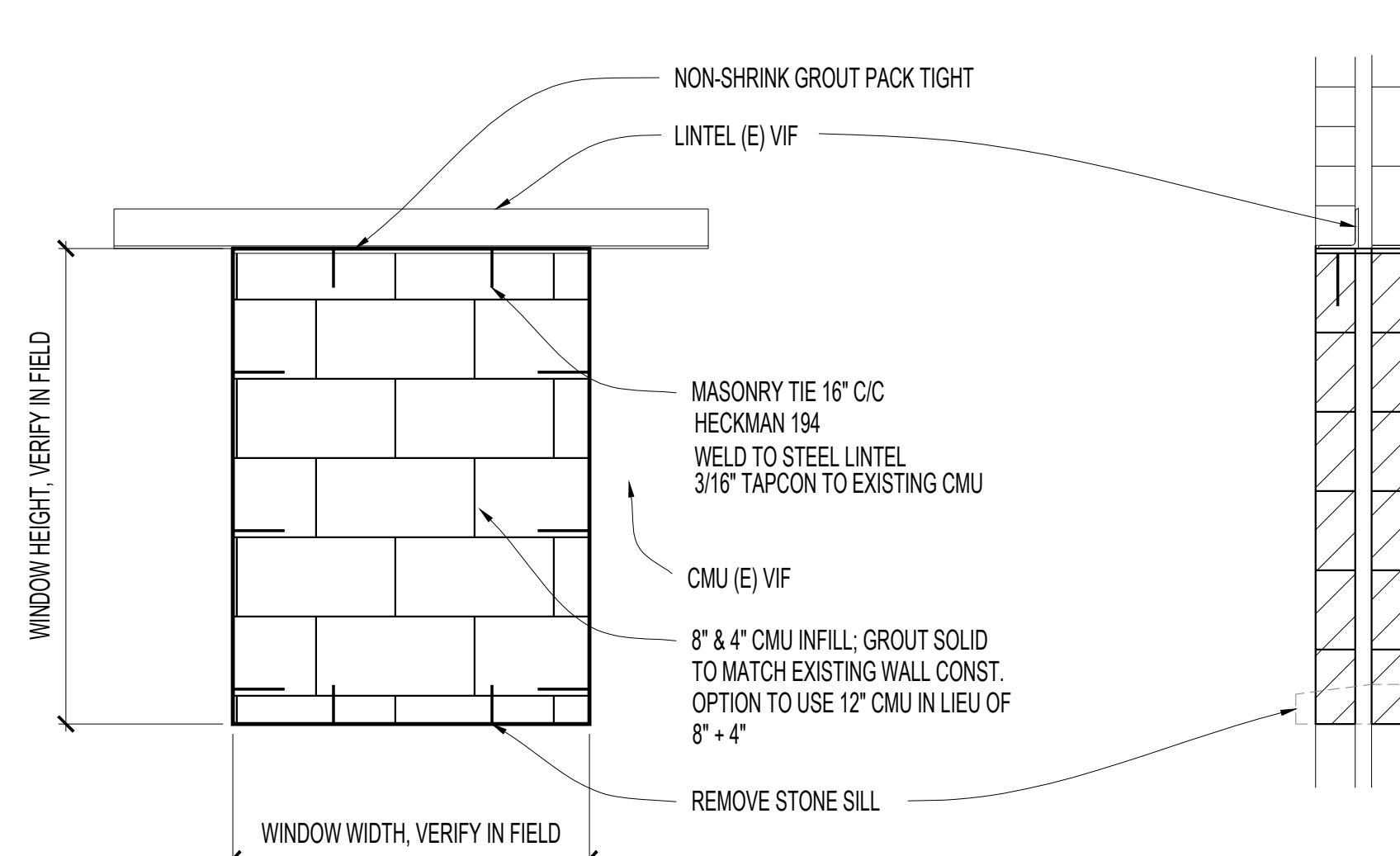
6 NEW OPENING IN CONCRETE JOIST (E)  
 S202 3/4"=1'-0"



1 TYP. EXISTING SLAB INFILL DETAILS  
 S202 3/4"=1'-0"



2 CONCEPTUAL LIFT SUPPORT DETAIL  
 S202 3/4"=1'-0"



3 CMU INFILL OF OPENING  
 S202 3/4"=1'-0"

10/28/2022 - ISSUE FOR 100 % CONSTRUCTION DOCUMENTS

ISSUE FOR 100% CONSTRUCTION DOCUMENTS	10/28/22
No	REVISION
	DATE

**JOHNSON WILBUR ADAMS, INC.**  
 STRUCTURAL ENGINEERING  
 330 S. Naperville Road Suite 300  
 Wheaton, Illinois 60187

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.  
 Print Name: Michael J Wilbur  
 Signature: *MJW*  
 Date: 10/28/2022 License #: 48456

ARCHITECT/ENGINEER OF RECORD  
**Bancroft Architects + Engineers**  
 700 Nicholas Blvd, Suite 300  
 Elk Grove Village, IL 60007  
 T: 847.952.9362  
 www.bancroft-ae.com  
 BAE PROJECT NO. 18-116

APPROVED PROJECT GDR	DATE:	APPROVED SERVICE LINE DIRECTOR	DATE:	APPROVED INFECTION CONTROL NURSE	DATE:
APPROVED GEMS PROJECT MANAGER	DATE:	APPROVED PATIENT SAFETY	DATE:	APPROVED ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE:
APPROVED PROJECTS SECTION MANAGER	DATE:	APPROVED CHIEF OF POLICE	DATE:	APPROVED CHIEF OF STAFF	DATE:
APPROVED DIRECTOR PMS	DATE:	APPROVED SAFETY MANAGER	DATE:	APPROVED HEALTH CARE SYSTEM DIRECTOR	DATE:

DRAWING TITLE STRUCTURAL - SECTIONS AND DETAILS	DATE: 10/28/22
PROJECT TITLE CONSTRUCT PACT CLINIC BUILDING 4 FIRST FLOOR	PROJECT NO. 656-400
BUILDING NO. 4	DRAWING NO. S202
CHECKED BY [Signature]	DWG. OF [Signature]

**U.S. Department of Veterans Affairs**  
 Veterans Health Administration  
 St. Cloud VA Health Care System