



**U.S. Department of Veterans Affairs**  
Veterans Health Administration

PROJECT NAME:  
**Renovate Old Chapel and Auditorium**

SITE ADDRESS:  
**2501 West 22nd St., Sioux Falls, SD 57105**

VA PROJECT NUMBER:  
438-19-301

OWNER AND CONSULTANTS:

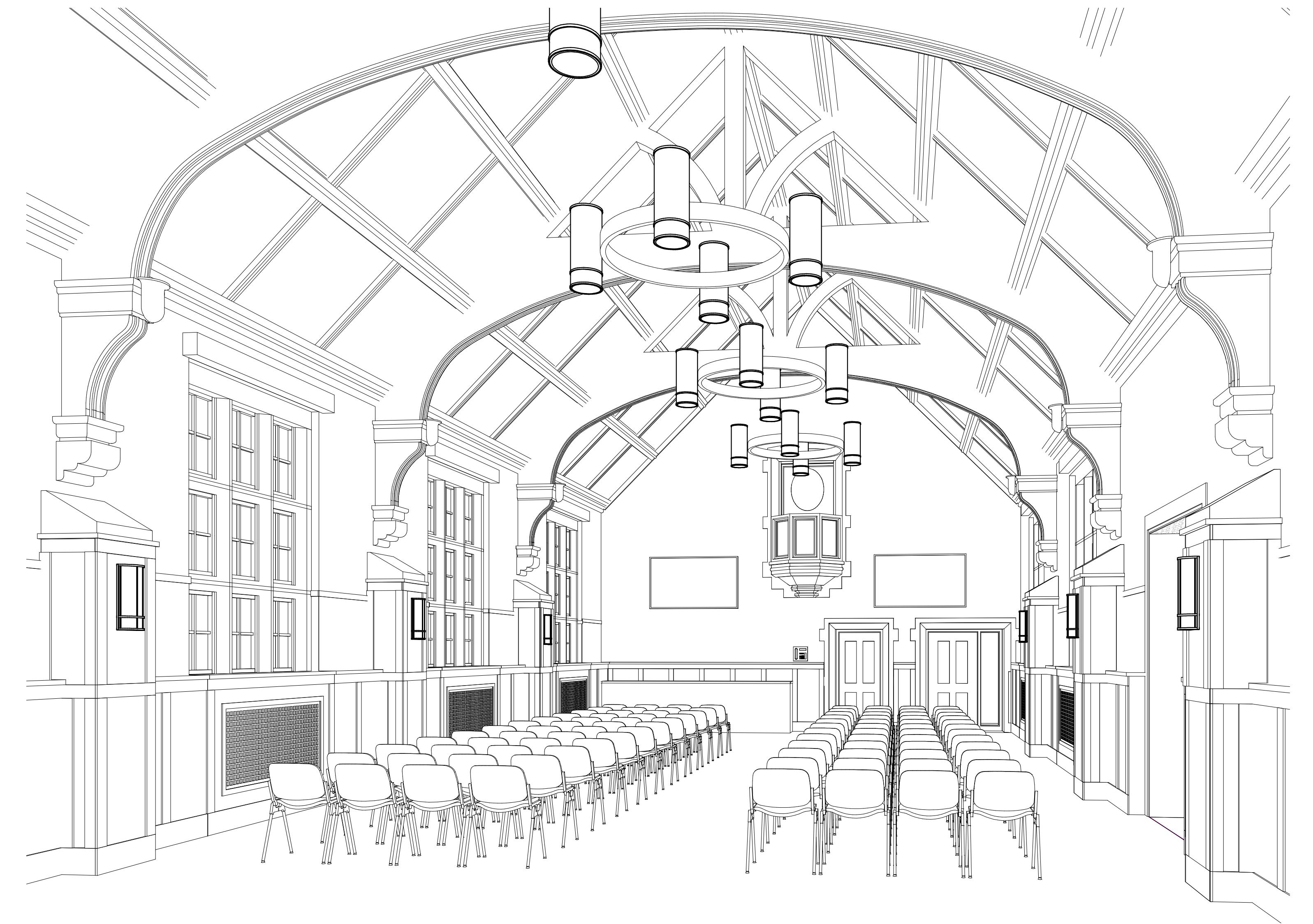
VA COR:  
CONTACT: LARRY GALERO  
ADDRESS: SIOUX FALLS MEDICAL CENTER  
2501 WEST 22ND STREET  
SIOUX FALLS, SD 57105  
PHONE: 605.336.3290 EX 97441

ARCHITECT:  
NAME: ANDERSON ENGINEERING OF MN, LLC  
ADDRESS: 13605 1ST AVE NORTH, SUITE 100  
PLYMOUTH, MN 55441  
CONTACT: TOM OLESAK  
PHONE: 763.412.4000

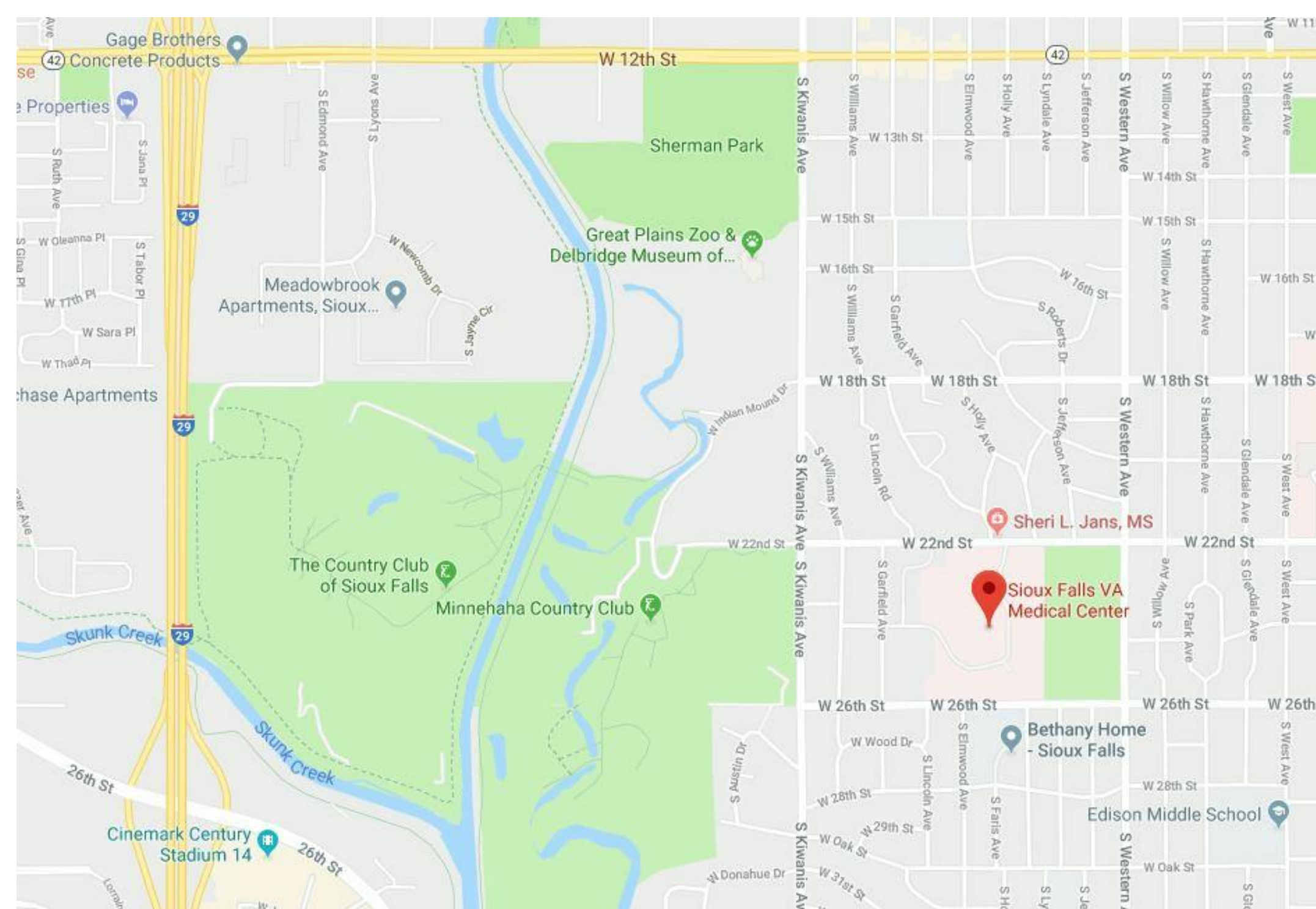
STRUCTURAL ENGINEER:  
NAME: AST ENGINEERING  
ADDRESS: 3701 OHMS LANE, SUITE 215  
EDINA, MN 55439  
CONTACT: MICHELLE SCHMIDT  
PHONE: 952.854.9302

MECHANICAL ENGINEER:  
NAME: FARRIS ENGINEERING  
ADDRESS: 12700 WEST DOGE ROAD  
OMAHA, NE 68154  
CONTACT: BRAIN HOWELL  
PHONE: 402.330.5900

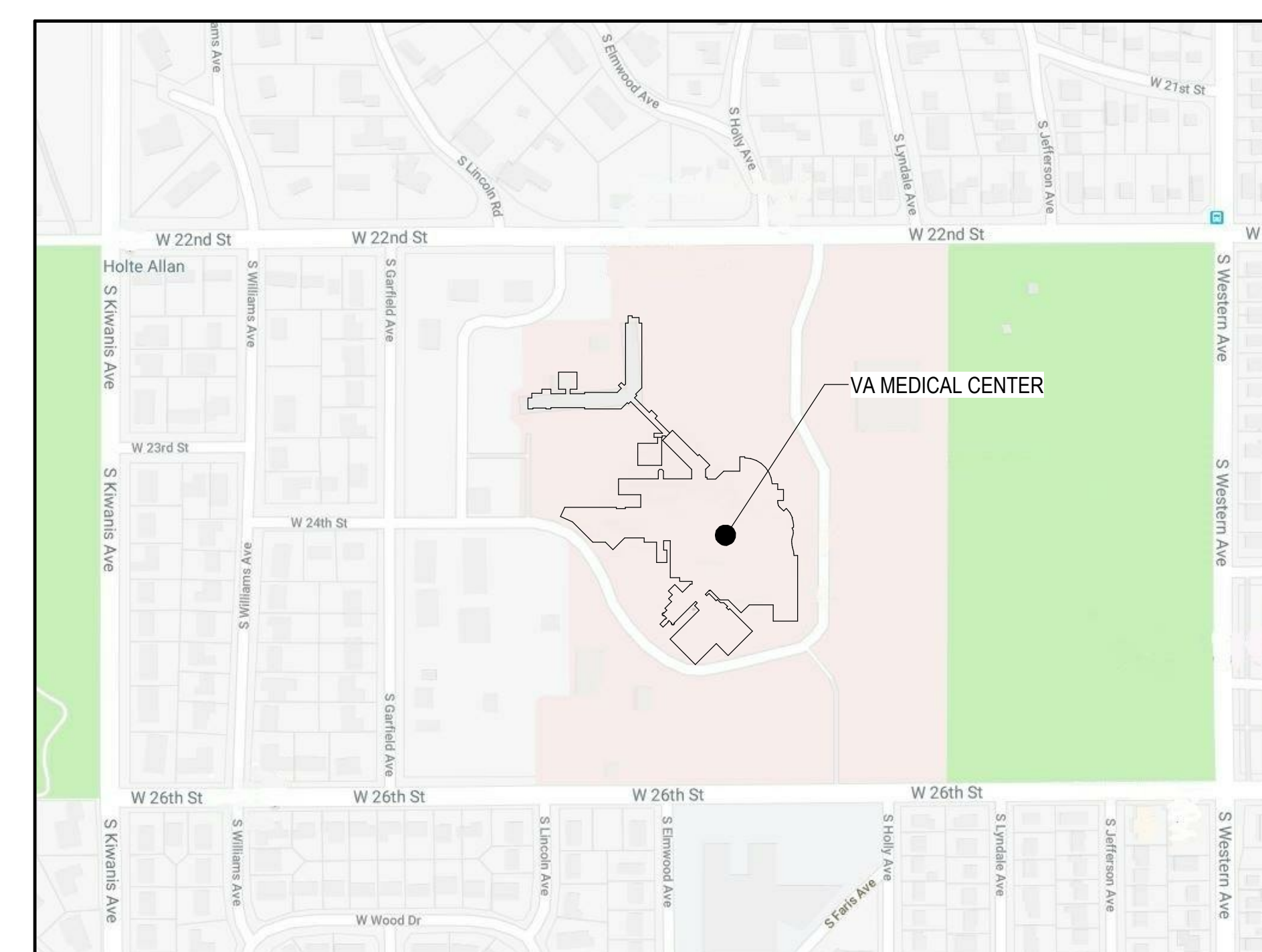
ELECTRICAL ENGINEER:  
NAME: FARRIS ENGINEERING  
ADDRESS: 12700 WEST DOGE ROAD  
OMAHA, NE 68154  
CONTACT: ROBERT HOTOVY  
PHONE: 402.330.5900



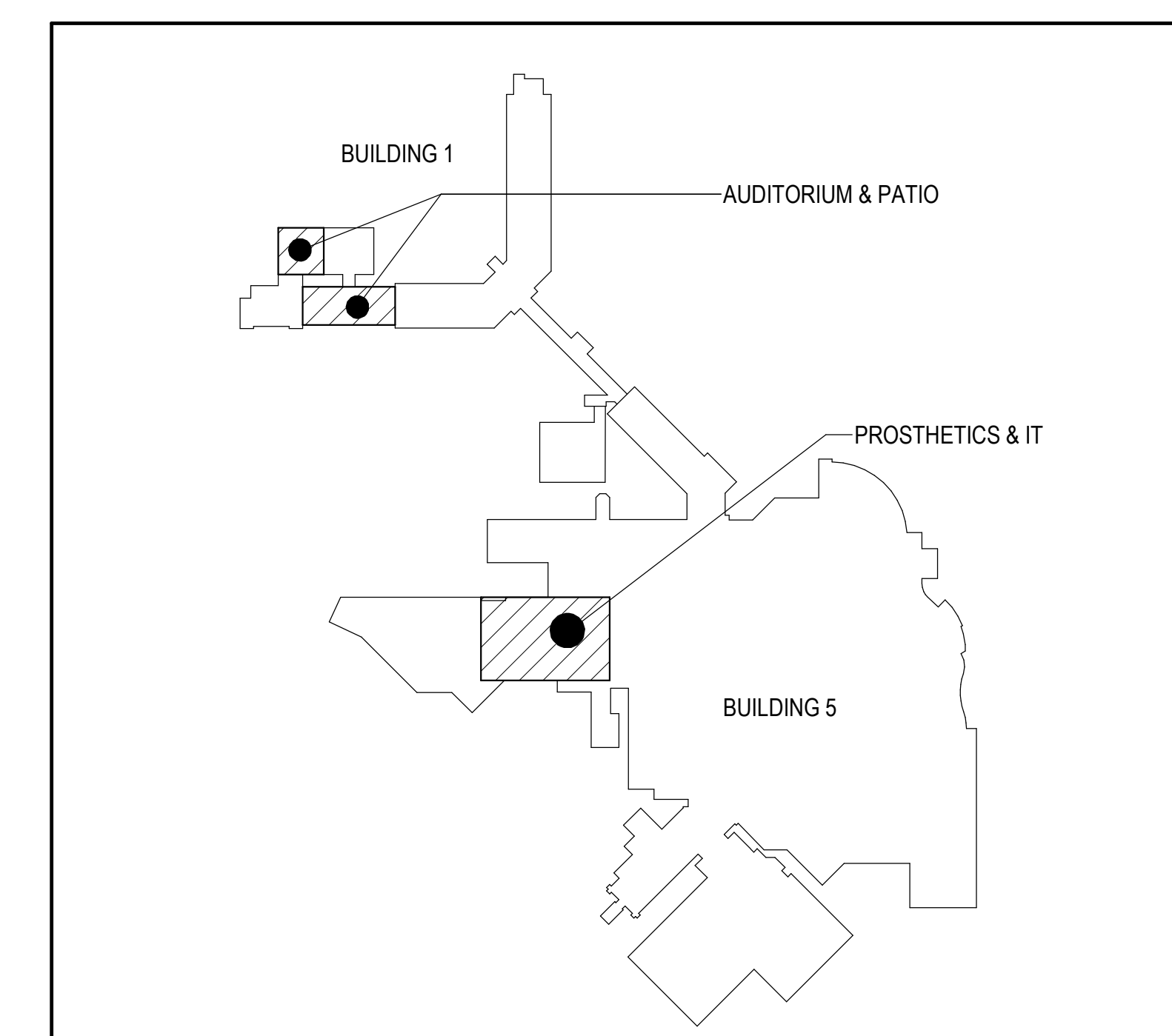
VICINITY MAP:



SITE LOCATION MAP:



KEY PLAN:



Revisions:	Date:

**CONSULTANT**




13605 1st Ave. N. #100 Plymouth, MN 55441  
P 763.412.4000 | F 763.412.4090 | [ae-mn.com](http://ae-mn.com)  
Anderson Engineering of Minnesota, LLC | Proj # 15522

**ARCHITECT/ENGINEER OF RECORD**



13605 1st Ave. N. #100 Plymouth, MN 55441  
P 763.412.4000 | F 763.412.4090 | [ae-mn.com](http://ae-mn.com)  
Anderson Engineering of Minnesota, LLC | Proj # 15522

**STAMP**



Date: 05/15/2020  
License #9335

Office of  
Construction  
and Facilities  
Management



U.S. Department  
of Veterans  
Affairs

Drawing Title  
**COVER SHEET**

Approved:

Phase  
**CONSTRUCTION DOCUMENTS**

**FULLY SPRINKLERED**

Project Title  
**RENOVATE OLD CHAPEL AND AUDITORIUM**

Location  
Sioux Falls, SD

Issue Date  
05/15/2020

Checked  
--

Drawn

Project Number  
438-19-301

Building Number  
1 & 5

Drawing Number  
GI000



ARCHITECTURAL ABBREVIATIONS

Table listing architectural abbreviations and their full names, organized in columns. Includes terms like AIR CONDITION, ARCHITECT, ANCHOR, and many others.

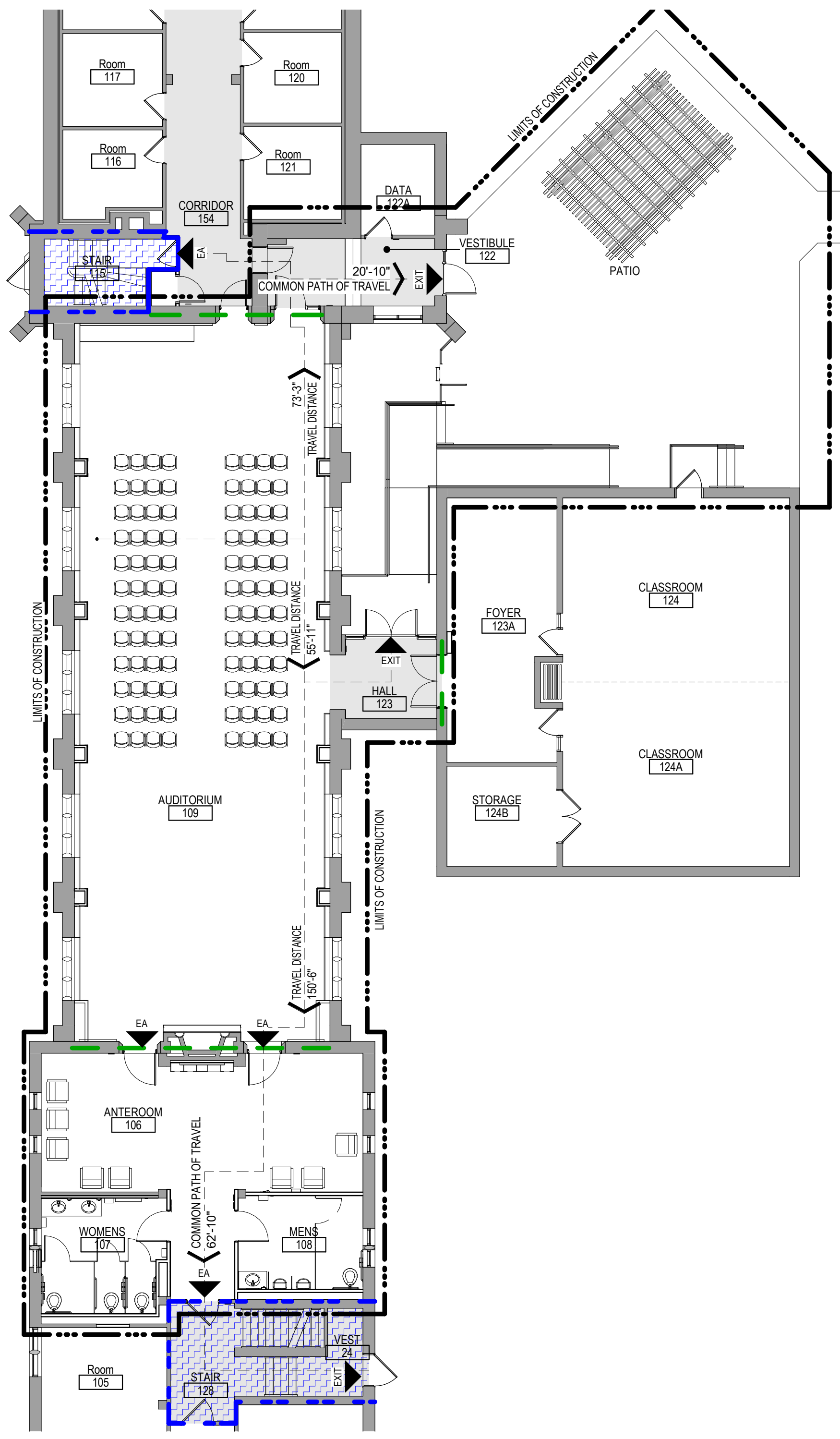
Revisions table with columns for Revisions and Date.

Project information block including Consultant (AST), Architect/Engineer of Record (Anderson), Office of Construction and Facilities Management, Drawing Title (ABBREVIATIONS), Project Title (RENOVATE OLD CHAPEL AND AUDITORIUM), and Project Number (438-19-301).

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A B C D E F



**LIFE SAFETY SYMBOLS**

	1 HOUR FIRE BARRIER		2 HOUR FIRE & SMOKE BARRIER
	2 HOUR FIRE BARRIER		3 HOUR FIRE & SMOKE BARRIER
	3 HOUR FIRE BARRIER		TRAVEL DISTANCE
	EXIT		EXIT DISCHARGE
	HORIZONTAL EXIT		EXIT ACCESS
	FIRE EXTINGUISHER		FIRE EXTINGUISHER CABINET
	LIMITS OF CONSTRUCTION		
	SHAFT	ADJACENT SYMBOLS SHOW PARTITION RATING AND DAMPER REQUIREMENTS	
	HAZARDOUS USE	ADJACENT SYMBOLS SHOW PARTITION RATING AND DAMPER REQUIREMENTS. OPENINGS REQUIRE GASKET, CLOSER & LATCH	
	EXIT PASSAGEWAY	RATE AS STAIR. ALL OPENINGS TO BE RATED AS STAIR SHAFT	
	CORRIDOR	WALLS TO LIMIT THE TRANSFER OF SMOKE	
	ADJUNCT CORRIDOR or PSYCHIATRIC AREA or CONSTRUCTED WITH MIN. 4'-0" CLEAR WITH (PER CHAPTER 19)		

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

**CODE SUMMARY**

**PROJECT DESCRIPTION**  
 BUILDING - 1: RENOVATE AND RESTORE OLD CHAPEL AREA TO AUDITORIUM (MULTI-FUNCTION SPACE. ADD SPRINKLERS TO THE EDUCATION CENTER)  
 BUILDING - 5: REMODEL AUDITORIUM SPACE TO ACCOMMODATE THE PROSTHETICS DEPARTMENT.

**GENERAL TYPE OF PROJECT**

NEW BUILDING	YES	NO
ADDITION	<input checked="" type="checkbox"/>	<input type="checkbox"/>
REMODEL	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**AUTHORITIES HAVING JURISDICTION (AHJ'S)**

THE JOINT COMMISSION (TJC)	YES	NO
CENTER FOR MEDICARE/MEDICAID SERVICES (CMS)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**APPLICABLE REGULATIONS**

- 2018 NFPA 101 (LIFE SAFETY CODE)
- 2018 IBC
- ABA STANDARDS (2015) (ABAAS)
- VA BARRIER FREE DESIGN STANDARD (PG-18-13)
- NFPA NATIONAL FIRE CODES (EXCEPTION: NFPA 5000 & 900)
- 2018 FGI GUIDELINES
- OSHA STANDARDS
- VA SEISMIC DESIGN REQUIREMENTS H-18-8
- NATIONAL ELECTRIC CODE (NEC)
- ASME BOILER AND PRESSURE VESSEL CODE
- ASME CODE FOR PRESSURE PIPING
- BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, AMERICAN CONCRETE INSTITUTE AND COMETARY (ACI 318)
- MANUAL OF STEEL CONSTRUCTION, LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
- ENERGY POLICY ACT OF 2005 (EPAct)
- 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
- FEDERAL LEADERSHIP IN HIGH PERFORMANCE AND SUSTAINABLE BUILDINGS: MEMORANDUM OF UNDERSTANDING (MOU)
- EXECUTIVE ORDER 13423: STRENGTHENING FEDERAL ENVIRONMENTAL, ENERGY, AND TRANSPORTATION MANAGEMENT
- THE PROVISIONS FOR CONSTRUCTION AND SAFETY SIGNS, STATED IN THE GENERAL REQUIREMENTS SECTION 01010 OF THE VA MASTER CONSTRUCTION SPECIFICATION
- VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY - ASHRAE STANDARD 62.1-2004
- SAFETY STANDARD FOR REFRIGERATION SYSTEMS - ASHRAE STANDARD 15-2007
- VA FIRE PROTECTION DESIGN MANUAL
- VA DIRECTIVES, DESIGN MANUALS, MASTER SPECIFICATIONS, VA NATIONAL CAD STANDARD APPLICATION GUIDE, AND OTHER GUIDANCE ON THE TECHNICAL INFORMATION LIBRARY (TIL)

**OCCUPANCY CLASSIFICATION(S)**

OCCUPANCIES	(LSC CH 12-42)	ASSEMBLY	YES	NO
AUDITORIUM			<input checked="" type="checkbox"/>	<input type="checkbox"/>
FOURTH FLOOR BUSINESS			<input type="checkbox"/>	<input checked="" type="checkbox"/>

CHANGE OF OCCUPANCY? (If Remodeling)

AUDITORIUM	<input checked="" type="checkbox"/>
FOURTH FLOOR	<input checked="" type="checkbox"/>

SEPARATED OCCUPANCIES? (2018 LSC (6.1.14.4))

AUDITORIUM	<input checked="" type="checkbox"/>
FOURTH FLOOR - MIXED OCCUPANCIES (2018 LSC 6.1.14.3)	<input checked="" type="checkbox"/>

FIRE BARRIER RATING(S) (Section 6.3) SEE LIFE SAFETY PLANS

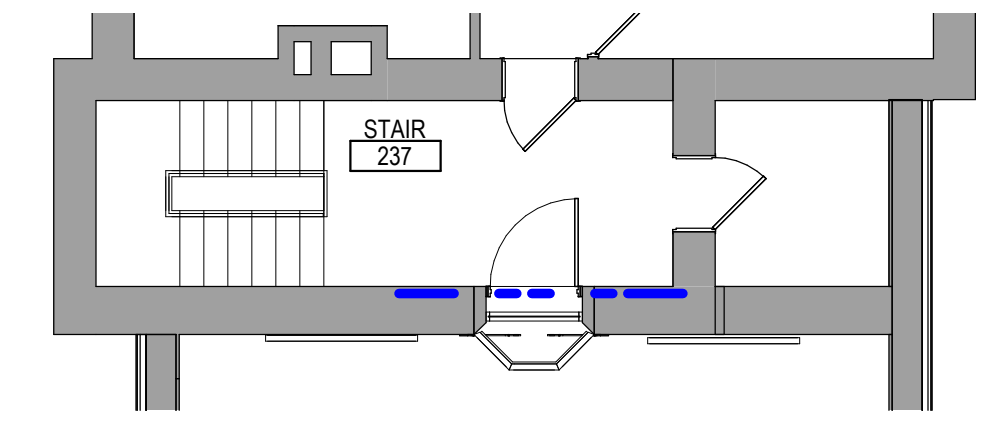
**TYPE(S) OF CONSTRUCTION**

CONSTRUCTION TYPE(S)	(LSC Chapter 18)	LSC II(22)	IBC II(2)	IBC II-B
AREA SEPARATIONS / FIRE WALLS				SEE LIFE SAFETY PLANS

**FIRE-RESISTIVE REQUIREMENTS**

STRUCTURAL FRAME	RATING (HRS)	TEST
COLUMNS	2 HR	ASTM E119
GIRDERS	2 HR	ASTM E119
TRUSSES	2 HR	ASTM E119
<b>BEARING WALLS</b>		
EXTERIOR BEARING WALLS	2 HR	ASTM E119
INTERIOR BEARING WALLS	2 HR	ASTM E119
<b>NON-BEARING WALLS AND PARTITIONS</b>		
EXTERIOR	0 HR	NA
INTERIOR	See Life Safety Plans	
<b>FLOOR CONSTRUCTION</b>		
FLOOR/CEILING ASSEMBLY	2 HR	ASTM E119
PRIME & SEC. FLOOR BEAMS, JOISTS	1 HR	ASTM E119
<b>ROOF CONSTRUCTION</b>		
ROOF/CEILING ASSEMBLY	2 HR	ASTM E119
PRIME & SEC. ROOF BEAMS, JOISTS	2 HR	ASTM E119
<b>OTHER</b>		
SHAFTS AND EXIT PASSAGEWAYS	2 HR	ASTM E119
EXTERIOR DOORS AND WINDOWS	0 HR	NA

**1 FIRST FLOOR LIFE SAFETY PLAN**  
3/32" = 1'-0"



**2 SECOND FLOOR LIFE SAFETY PLAN**  
1/8" = 1'-0"

Revisions:


Date: \_\_\_\_\_

**CONSULTANT**

**AST** **FARRIS ENGINEERING**  
 OMAHA | LINCOLN | COLORADO SPRINGS | SEBASTIAN  
 farris-usa.com

**ARCHITECT/ENGINEER OF RECORD**

**ANDERSON**  
 13605 1st Ave. N. #100 Plymouth, MN 55441  
 P 763.412.4000 | F 763.412.4090 | ae-mn.com  
 Anderson Engineering of Minnesota, LLC | Proj # 15622

**STAMP**

Professional Engineer Seal for Anderson Engineering of Minnesota, LLC, License # 9335, dated 05/15/2020.

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

Drawing Title: **FIRST LEVEL LIFE SAFETY PLAN**

Approved: \_\_\_\_\_

Phase: **CONSTRUCTION DOCUMENTS**

**FULLY SPRINKLERED**

Project Title: **RENOVATE OLD CHAPEL AND AUDITORIUM**

Location: **Sioux Falls, SD**

Issue Date: **05/15/2020**

Checked: **--** Drawn: **MM**

Project Number: **438-19-301**

Building Number: **1 & 5**

Drawing Number: **G1010**

A  
B  
C  
D  
E  
F

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### LIFE SAFETY SYMBOLS

	SMOKE TIGHT ASSEMBLY		1 HOUR FIRE & SMOKE BARRIER
	1 HOUR FIRE BARRIER		2 HOUR FIRE & SMOKE BARRIER
	2 HOUR FIRE BARRIER		3 HOUR FIRE & SMOKE BARRIER
	3 HOUR FIRE BARRIER		TRAVEL DISTANCE
	EXIT		EXIT DISCHARGE
	HORIZONTAL EXIT		EXIT ACCESS
	FIRE EXTINGUISHER		FIRE EXTINGUISHER CABINET
	LIMITS OF CONSTRUCTION		

	SHAFT ADJACENT SYMBOLS SHOW PARTITION RATING AND DAMPER REQUIREMENTS
	HAZARDOUS USE ADJACENT SYMBOLS SHOW PARTITION RATING AND DAMPER REQUIREMENTS. OPENINGS REQUIRE GASKET, CLOSER & LATCH
	EXIT PASSAGEWAY RATE AS STAIR ALL OPENINGS TO BE RATED AS STAIR SHAFT
	CORRIDOR WALLS TO LIMIT THE TRANSFER OF SMOKE
	ADJUNCT CORRIDOR or PSYCHIATRIC AREA or CONSTRUCTED WITH MIN. 4" CLEAR WITH PER CHAPTER 19

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

#### CODE SUMMARY

<b>PROJECT DESCRIPTION</b>	
BUILDING - 1: RENOVATE AND RESTORE OLD CHAPEL AREA TO AUDITORIUM / MULTI-FUNCTION SPACE. ADD SPRINKLERS TO THE EDUCATION CENTER. BUILDING - 5: REMODEL AUDITORIUM SPACE TO ACCOMMODATE THE PROSTHETICS DEPARTMENT.	
<b>GENERAL TYPE OF PROJECT</b>	YES NO
NEW BUILDING	<input type="checkbox"/> <input checked="" type="checkbox"/>
ADDITION	<input type="checkbox"/> <input checked="" type="checkbox"/>
REMODEL	<input type="checkbox"/> <input checked="" type="checkbox"/>
<b>AUTHORITIES HAVING JURISDICTION (AHS)</b>	
THE JOINT COMMISSION (TJC)	YES NO
CENTER FOR MEDICARE/MEDICAID SERVICES (CMS)	<input type="checkbox"/> <input checked="" type="checkbox"/>
<b>APPLICABLE REGULATIONS</b>	
2018 NFPA 101 (LIFE SAFETY CODE)	
2018 IBC	
ABA STANDARDS (2015) (ABAS)	
VA BARRIER FREE DESIGN STANDARD (PG-18-13)	
NFPA NATIONAL FIRE CODES (EXCEPTION: NFPA 5000 & 900)	
2018 FGI GUIDELINES	
OSHA STANDARDS	
VA SEISMIC DESIGN REQUIREMENTS H-18-8	
NATIONAL ELECTRIC CODE (NEC)	
ASME BOILER AND PRESSURE VESSEL CODE	
ASME CODE FOR PRESSURE PIPING	
BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, AMERICAN CONCRETE INSTITUTE AND COMETARY (ACI 318)	
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ENERGY POLICY ACT OF 2005 (EPAct)	
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 431.434 AND 435	
FEDERAL LEADERSHIP IN HIGH PERFORMANCE AND SUSTAINABLE BUILDINGS; MEMORANDUM OF UNDERSTANDING (MOU)	
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THE PROVISIONS FOR CONSTRUCTION AND SAFETY SIGNS, STATED IN THE GENERAL REQUIREMENTS SECTION 01010 OF THE VA MASTER CONSTRUCTION SPECIFICATION	
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VA FIRE PROTECTION DESIGN MANUAL	
VA DIRECTIVES, DESIGN MANUALS, MASTER SPECIFICATIONS, VA NATIONAL CAD STANDARD APPLICATION GUIDE, AND OTHER GUIDANCE ON THE TECHNICAL INFORMATION LIBRARY (TL)	

#### OCCUPANCY CLASSIFICATION(S)

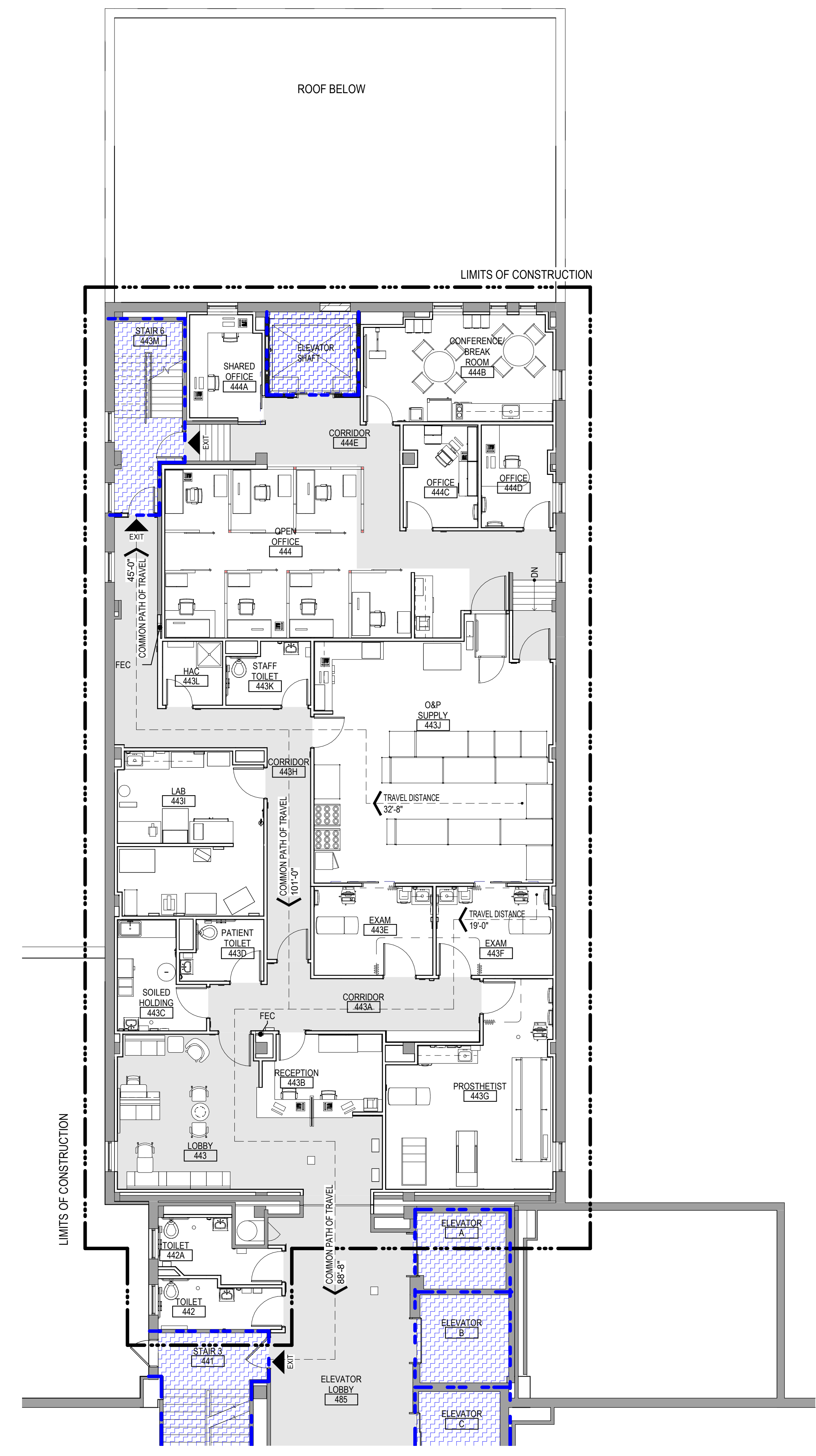
OCCUPANCIES (LSC CH 12-42)			
AUDITORIUM	ASSEMBLY		
FOURTH FLOOR	BUSINESS	YES	NO
CHANGE OF OCCUPANCY? (If Remodeling)			
	AUDITORIUM	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	FOURTH FLOOR	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SEPARATED OCCUPANCIES? 2018 LSC (6.1.14.4)			
	AUDITORIUM	<input checked="" type="checkbox"/>	<input type="checkbox"/>
FOURTH FLOOR - MIXED OCCUPANCIES (2018 LSC 6.1.14.3)			
FIRE BARRIER RATING(S) (Section 8.3) SEE LIFE SAFETY PLANS			

#### TYPE(S) OF CONSTRUCTION

CONSTRUCTION TYPE(S)	(LSC Chapter 18)	LSC 11222
	(IBC Chapter 6)	IBC II-B
AREA SEPARATIONS / FIRE WALLS SEE LIFE SAFETY PLANS		

#### FIRE-RESISTIVE REQUIREMENTS

	RATING (HRS)	TEST
<b>STRUCTURAL FRAME</b>		
COLUMNS	2 HR	ASTM E119
GIRDERS	2 HR	ASTM E119
TRUSSES	2 HR	ASTM E119
<b>BEARING WALLS</b>		
EXTERIOR BEARING WALLS	2 HR	ASTM E119
INTERIOR BEARING WALLS	2 HR	ASTM E119
<b>NON-BEARING WALLS AND PARTITIONS</b>		
EXTERIOR	0 HR	NA
INTERIOR	See Life Safety Plans	
<b>FLOOR CONSTRUCTION</b>		
FLOOR/CEILING ASSEMBLY	2 HR	ASTM E119
PRIME & SEC. FLOOR BEAMS, JOISTS	1 HR	ASTM E119
<b>ROOF CONSTRUCTION</b>		
ROOF/CEILING ASSEMBLY	2 HR	ASTM E119
PRIME & SEC. ROOF BEAMS, JOISTS	2 HR	ASTM E119
<b>OTHER</b>		
SHAFTS AND EXIT PASSAGEWAYS	2 HR	ASTM E119
EXTERIOR DOORS AND WINDOWS	0 HR	NA



1 FOURTH FLOOR LIFE SAFETY PLAN - BUILDING 5  
1/8" = 1'-0"

Revisions:	Date:

**CONSULTANT**

OMAHA | LINCOLN | COLORADO SPRINGS | SIOUX FALLS  
farris-usa.com

**ARCHITECT/ENGINEER OF RECORD**

13605 1st Ave. N. #100 Plymouth, MN 55441  
P 763.412.4000 | F 763.412.4090 | e-mn.com  
Anderson Engineering of Minnesota, LLC | Proj # 15622

**STAMP**

Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title  
**FOURTH LEVEL LIFE SAFETY PLAN**

Approved:

Phase  
**CONSTRUCTION DOCUMENTS**

**FULLY SPRINKLERED**

Project Title  
**RENOVATE OLD CHAPEL ; AND AUDITORIUM**

Location  
Sioux Falls, SD

Issue Date  
05/15/2020

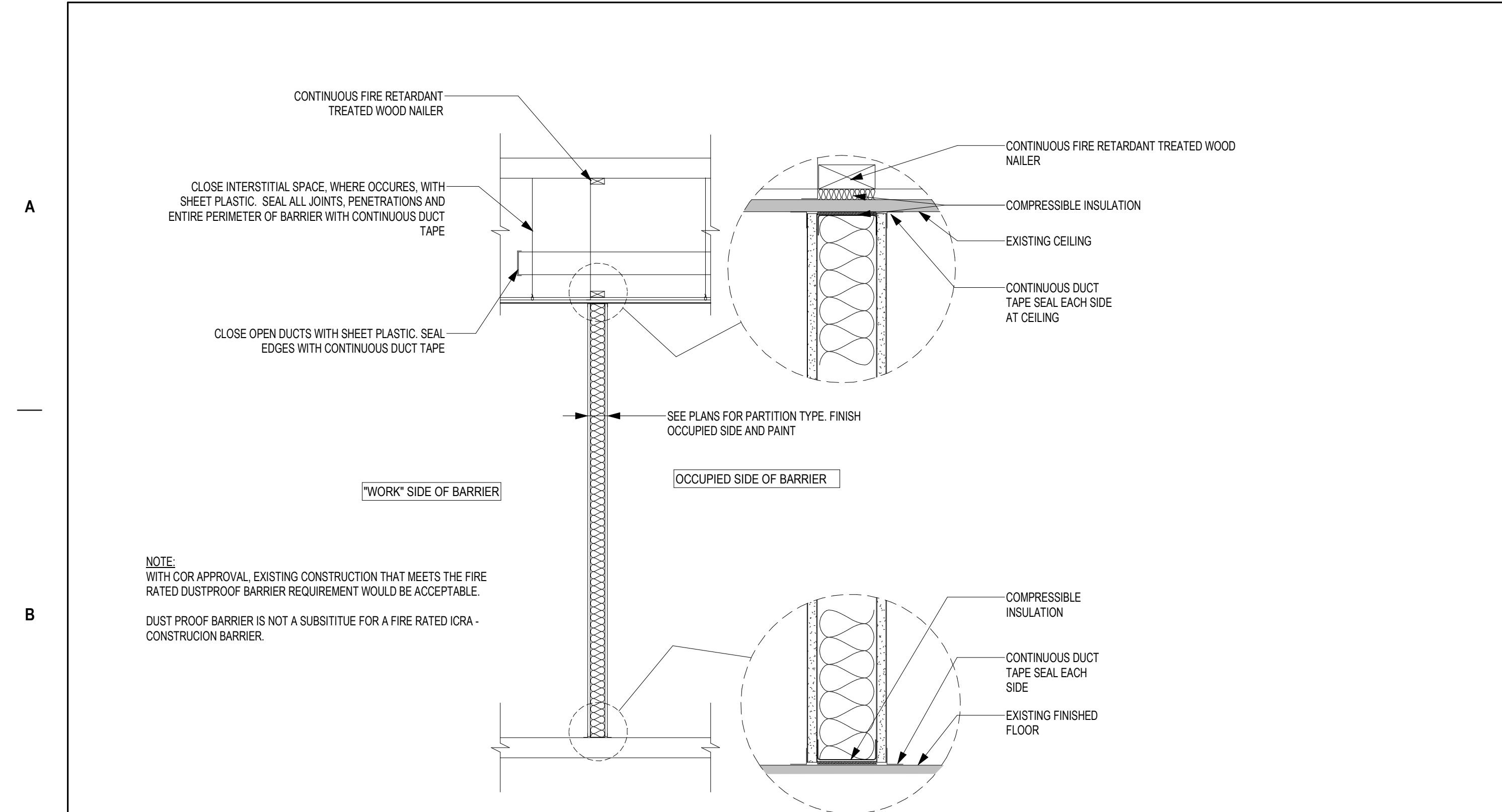
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GJB

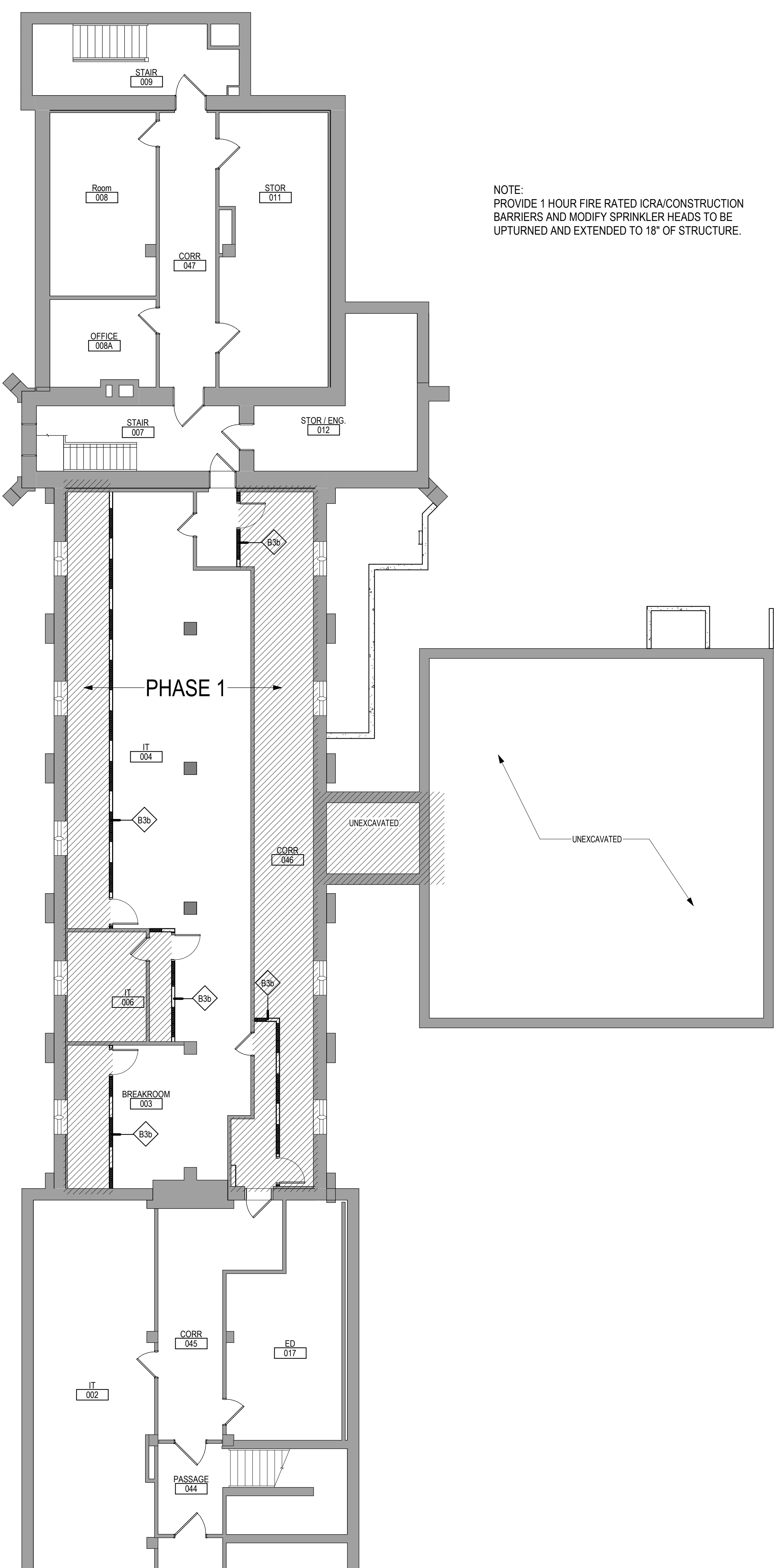
Project Number  
438-19-301

Building Number  
1 & 5

Drawing Number  
GI040



2 DUST PROOF BARRIER (NOT RATED)  
1/2" = 1'-0"



1 LOWER LEVEL ICRA, CONSTRUCTION BARRIER & PHASING PLAN - BUILDING 1  
1/8" = 1'-0"

- ### INFECTION CONTROL & CONSTRUCTION BARRIER GENERAL NOTES
- SEE SPEC SECTION 01 35 26 SAFETY REQUIREMENTS FOR ADDITIONAL INFORMATION
  - THE INTENT OF INFECTION CONTROL ISOLATION IS TO CONTAIN DUST AND PARTICULATE MATTER TO THE CONSTRUCTION AREA. CONSTRUCTION AREA PERIMETER NEEDS TO BE SEALED COMPLETELY WITH SHEET PLASTIC AS SPECIFIED AND DUCT TAPE DURING OPERATIONS. WHERE PERMITTED BY CLASS, ICRA-CONSTRUCTION BARRIER TO BE PROVIDED AS SPECIFIED AND LISTED IN ICRA CLASS.
  - PROVIDE NEGATIVE PRESSURE MONITORS DURING CONSTRUCTION OPERATIONS AS SPECIFIED. MONITOR TO MEASURE PRESSURE DIFFERENTIAL BETWEEN CONSTRUCTION AREA AND ADJACENT CORRIDOR OR ROOM AS DIRECTED BY VA.
  - AS CONSTRUCTION PROGRESSES, FROM TYPE D TO TYPE C AND THEREON, PROVIDE A REQUEST VIA INFECTION CONTROL CONSTRUCTION PERMIT TO THE VA INFECTION CONTROL NURSE. UPON AUTHORIZATION, PROCEED TO NEXT TYPE OF CONSTRUCTION. PROVIDE AT LEAST TEN (10) WORKING DAYS NOTICE FOR EACH PERMIT.
  - CONSTRUCT IC (INFECTION CONTROL) CONSTRUCTION BARRIERS FROM FLOOR TO CEILING ABOVE. EXCEPTION: IF BARRIER IS ADJACENT TO SMOKE, FIRE OR EXISTING WALL CONSTRUCTION WHICH WILL NOT BE DEMOLISHED AND TERMINATES TO FLOOR/DECK ABOVE, THEN CONSTRUCT DUST PROOF IC BARRIER. SEE DETAILS, TAPE, HUD, SAND JOINTS AND PAINT ON NON-CONSTRUCTION SIDE OF BARRIER.
  - CONTROL BARRIERS ARE TO BE INSTALLED AND REMOVED ONLY BEFORE 7:00 A.M. AND AFTER 8:00 P.M.
  - DURING CONSTRUCTION OPERATIONS IN EACH ENCLOSED AREA PROVIDE NEGATIVE PRESSURE MONITORS, MINIMUM (1) ONE IN AREAS LESS THAN 1000 SF, (2) TWO MINIMUM IN AREAS BETWEEN 1000 SF AND 5000 SF, AND (3) THREE FOR AREAS BETWEEN 5000 SF AND 10000 SF.
  - LIFE SAFETY EGRESS IS TO BE MAINTAINED AT ALL TIMES.
  - THE CONTRACTOR SHALL PROVIDE ENOUGH NEGATIVE AIR MACHINES TO COMPLETELY EXCHANGE THE REGULATED AREA AIR VOLUME (4) FOUR ACTUAL TIMES PER HOUR. THE COMPETENT PERSON SHALL DETERMINE THE NUMBER OF UNITS NEEDED FOR EACH REGULATED AREA BY DIVIDING THE CUBIC FEET IN THE REGULATED AREA BY (15) FIFTEEN AND THEN DIVIDING THAT RESULT BY THE ACTUAL CUBIC FEET PER MINUTE (CFM) FOR EACH UNIT TO DETERMINE THE NUMBER OF UNITS NEEDED TO EFFECT (4) FOUR AIR CHANGES PER HOUR. PROVIDE A STANDBY UNIT IN THE EVENT OF MACHINE FAILURE AND/OR EMERGENCY IN AN ADJACENT AREA.
  - PRIOR TO ANY REMOVAL OF SMOKE BARRIER FIRE RATED PARTITIONS, CONSTRUCT NEW SMOKE BARRIER APPROPRIATE FIRE RATED PARTITIONS PER PLANS OR CONSTRUCT INFECTION CONTROL BARRIER TO ACT AS SMOKE BARRIER.

- ### CONSTRUCTION PHASING GENERAL NOTES
- THE WORK UNDER THIS CONTRACT SHALL BE DIVIDED INTO PHASES. A PHASE CAN INVOLVE MULTIPLE LOCATION AREAS. SEE SPECIFICATIONS SECTION 01 00 00 1.6 G PHASING.
  - THE GENERAL CONTRACTOR SHALL COORDINATE ALL PHASING AND SEQUENCING WITH ALL TRADES AND THE OWNER. THE GENERAL CONTRACTOR SHALL PROVIDE A WRITTEN NARRATIVE TO OUTLINE CONSTRUCTION PHASING AND SEQUENCE PLANS, VALIDATING AND ELABORATING ON THIS PHASING DESCRIPTION.
  - THE GENERAL CONTRACTOR SHALL COOPERATE FULLY WITH THE OWNER SO WORK MAY BE CARRIED OUT SMOOTHLY, WITHOUT INTERFERING WITH OR DELAYING WORK UNDER THIS CONTRACT, OR OTHER CONTRACTS ON THE PROJECT SITE OR WORK BY OWNERS.
  - THE GENERAL CONTRACTOR'S CONSTRUCTION SCHEDULE SHALL INDICATE THE SEQUENCE, COMMENCEMENT AND COMPLETION DATES, OWNER INSPECTION AND APPROVAL DATES AND MOVE-OUT AND MOVE-IN DATES OF OWNERS PERSONNEL FOR ALL PHASES OF THE WORK.
  - THE GENERAL CONTRACTOR SHALL PERFORM THE WORK IN EACH PHASE IN THE SEQUENCE SHOWN ON THE PHASING PLAN DRAWING(S) AND CONSTRUCTION PHASING DESCRIPTION.
  - THE GENERAL CONTRACTOR MUST COMPLETE ALL WORK IN EACH PHASE WITH THE VA INSPECTING AND ACCEPTING THE WORK PRIOR TO VA OCCUPANCY AND THE CONTRACTOR PROCEEDING TO THE NEXT SCHEDULED PHASE. UPON COMPLETION OF A PARTICULAR PHASE, THE ENTIRE AREA COVERED BY THAT PHASE CAN BE OCCUPIED BY THE VA PERSONNEL WITH ALL SYSTEMS FUNCTIONING PROPERLY.
  - BEFORE COMMENCING WORK ON EACH SUCCESSIVE PHASE, THE GENERAL CONTRACTOR SHALL SUBMIT AN UPDATED COPY OF THE SCHEDULE.
  - ANY DUST PARTITIONS CONSTRUCTED BY THE CONTRACTOR PRIOR TO THE START OF DEMOLITION MUST REMAIN IN PLACE UNTIL THE COMPLETION OF THAT PHASE OR SUBSEQUENT PHASE WHERE REQUIRED.
  - THE CONTRACTOR SHALL PERFORM ALL WORK ADJACENT TO VA OCCUPIED AREAS IN SUCH A MANNER TO ENSURE THE CONTINUOUS AND UNINTERRUPTED USE OF ALL OCCUPIED AREAS, INCLUDING THE APPLICABLE MECHANICAL AND ELECTRICAL SYSTEMS SERVING THESE AREAS.
  - FOR ADDITIONAL NOTES AND INFORMATION REFER TO INFECTION CONTROL DRAWING(S) AND DEMOLITION PLANS.
  - ANY INFORMATION REGARDING SEQUENCING PROVIDED IN THE DOCUMENTS IS FOR ARCHITECT-OWNER PLANNING PURPOSES ONLY.
  - THE CONTRACTOR DURING CONSTRUCTION SHALL MAINTAIN REQUIRED MEANS OF EGRESS THROUGHOUT ALL PHASING.
  - THE CONTRACTOR SHALL PLAN FOR A MINIMUM OF 4 WEEKS TIME BETWEEN PHASES TO ALLOW THE VA TO OCCUPY THE NEWLY ACCEPTED SPACE AND VACATE THE FOLLOWING PHASES. THE VA WILL ACCELERATE THIS TIME WHEN POSSIBLE AND WILL NOTIFY THE CONTRACTOR IF THIS OCCURS.

### CONSTRUCTION INFECTION CONTROL RISK ASSESSMENT (ICRA)

TYPE	DESCRIPTION	RISK GROUP	ADDITIONAL INFORMATION
TYPE A	INSPECTIONS AND NON-INVASIVE ACTIVITIES. INCLUDES, BUT NOT LIMITED TO, REMOVAL OF CEILING TILES FOR VISUAL INSPECTION LIMITED TO 1 TILE PER 50 SQUARE FEET. PAINTING BUT NOT SANDING WALL COVERING, ELECTRICAL TRIM WORK, MINOR PLUMBING, AND ACTIVITIES WHICH DO NOT GENERATE DUST OR REQUIRE CUTTING OF WALLS OR ACCESS TO CEILINGS OTHER THAN FOR VISUAL INSPECTION.	GROUP 1 LOW RISK	<ul style="list-style-type: none"> <li>MECHANICAL SPACES: AREAS NOT DIRECTLY ADJACENT TO PATIENT CARE, INCLUDING INTERSTITIAL SPACES.</li> <li>ENGINEERING OR EMS OFFICE/WORK AREAS</li> <li>OFFICE AREAS: AREAS NOT ATTACHED TO/DROVDOWNING PATIENT CARE AREAS, NOT USED FOR PATIENT INTERVIEWS, EVALUATIONS OR EXAMINATIONS.</li> <li>PUBLIC CORRIDORS: SPACES NOT ON OR DIRECTLY ATTACHED TO PATIENT UNITS OR TREATMENT LOCATIONS.</li> </ul>
TYPE B	SMALL SCALE, SHORT DURATION ACTIVITIES WHICH CREATE MINIMAL DUST. INCLUDES, BUT IS NOT LIMITED TO, INSTALLATION OF TELEPHONE AND COMPUTER CABLING, ACCESS TO CHASE SPACES, CUFFING OF WALLS OR CEILING WHERE DUST MIGRATION CAN BE CONTROLLED, FLOOR COVERING REMOVAL (WITHOUT SANDING OR GRINDING).	GROUP 2 MEDIUM RISK	<ul style="list-style-type: none"> <li>OUTPATIENT AREAS:                             <ol style="list-style-type: none"> <li>PRIMARY CARE OR SPECIALTY CARE CLINIC AREAS</li> <li>BEHAVIORAL/MENTAL HEALTH AREAS</li> <li>EXTENDED CARE / REHAB CLINIC AREAS</li> <li>COMMUNITY BASED OUTPATIENT CLINICS (CBCOS)</li> </ol> </li> </ul>
TYPE C	ANY WORK THAT GENERATES A MODERATE TO HIGH LEVEL OF DUST OR REQUIRES DEMOLITION OR REMOVAL OF ANY FIXED BUILDING COMPONENTS OR ASSEMBLIES. INCLUDES, BUT IS NOT LIMITED TO, SANDING OF WALLS FOR PAINTING OR WALLCOVERING, REMOVAL OF FLOOR COVERINGS, CEILING TILES AND CASEWORK, NEW WALL CONSTRUCTION, MINOR DUCTWORK OR ELECTRICAL WORK ABOVE CEILING, MAJOR CASING ACTIVITIES, AND ANY ACTIVITY WHICH CANNOT BE COMPLETED WITHIN A SINGLE WORK SHIFT. FLOOR COVERING REMOVAL (WITH SANDING OR GRINDING).	GROUP 3 HIGH RISK	<ul style="list-style-type: none"> <li>IN-PATIENT UNITS:                             <ol style="list-style-type: none"> <li>INCLUDING, BUT NOT LIMITED TO EMERGENCY DEPT., NURSING UNITS, RADIOLOGY/IM/CT/ULTRASOUND, NUCLEAR MEDICINE, CATERPILLAR/INTENSIVE CARE, LABORATORIES, RADIATION / ONCOLOGY, DIALYSIS</li> </ol> </li> </ul>
TYPE D	MAJOR DEMOLITION AND CONSTRUCTION PROJECTS. INCLUDES, BUT IS NOT LIMITED TO, ACTIVITIES WHICH REQUIRE CONSECUTIVE WORK SHIFTS, REQUIRE HEAVY DEMOLITION OR REMOVAL OF A COMPLETE CEILING SYSTEM, FLOORING AND NEW CONSTRUCTION.	GROUP 4 HIGHEST RISK	<ul style="list-style-type: none"> <li>ICUS/ICU</li> <li>ORPHALUDENOSCOPY</li> <li>GI</li> <li>STERILE PROCESSING SERVICES (SPS)</li> <li>PHARMACY</li> <li>CATH LAB</li> </ul>
CLASS I	<ol style="list-style-type: none"> <li>KEEP AREAS FREE OF DEBRIS, TRASH</li> <li>EXECUTE WORK TO MINIMIZE DUST MIGRATION (E.G. WET MOPPING, HEPA VACUUM)</li> <li>IMMEDIATELY REPLACE ANY CEILING TILE DISPLACED FOR VISUAL INSPECTION (INVOLVING MINOR DEMOLITION IN MAINTENANCE OR REMODELING)</li> </ol>		
CLASS II	SAME AS CLASS I PLUS: <ol style="list-style-type: none"> <li>ESTABLISH MATERIAL AND DEBRIS ROUTE USING NON-PATIENT/VISITOR PATHWAY</li> <li>WATER MIST WORK SURFACE TO CONTROL DUST WHILE CUTTING OR DRILLING</li> <li>BLOCK OFF AND SEAL AIR VENTS</li> <li>SEAL UNUSED DOORS WITH PLASTIC SHEATHING AND DUCT TAPE</li> <li>CREATE BARRIERS AS DEFINED BY INFECTION PREVENTION</li> <li>CONTAIN CONSTRUCTION WASTE BEFORE TRANSPORT IN TIGHTLY COVERED CONTAINER. TAPE COVERING UNLESS SOLID LID.</li> <li>WET MOP AND/OR VACUUM WITH HEPA FILTERED VACUUM BEFORE LEAVING WORK AREA.</li> <li>PLACE STICKY MAT AT ALL WORK AREA ENTRANCES AND EXITS.</li> <li>REMOVE OR ISOLATE HVAC SYSTEM IN CONSTRUCTION AREA.</li> </ol>		
CLASS III	SAME AS CLASS I AND II PLUS: <ol style="list-style-type: none"> <li>ISOLATE HVAC SYSTEM IN CONSTRUCTION AREA TO PREVENT DUCT SYSTEM CONTAMINATION</li> <li>COMPLETE CRITICAL BARRIERS (I.E. SHEETROCK, PLUMBING, PLASTIC) AT ALL CONSTRUCTION ENTRIES AND EXITS. MONITOR FOR SEAL AND TAKE IMMEDIATE CORRECTIVE ACTION AS NEEDED</li> <li>MAINTAIN AND MONITOR NEGATIVE AIR PRESSURE WITHIN CONSTRUCTION SITE UTILIZING HEPA EQUIPPED AIR FILTRATION UNITS.</li> <li>REMOVE OR ISOLATE HVAC SYSTEMS IN AREA WHERE WORK IS BEING PERFORMED.</li> <li>CHECK AND REPLACE AIR FILTERS AS NEEDED REGULARLY.</li> <li>DO NOT REMOVE BARRIERS FROM WORK SITE UNTIL PROJECT IS COMPLETE &amp; HAS BEEN THOROUGHLY CLEANED. REMOVE BARRIERS CAREFULLY TO MINIMIZE SPREADING DUST, DEBRIS</li> <li>VACUUM WORK WITH HEPA FILTERED VACUUM.</li> <li>WET MOP AREA WITH CLEANER/DISINFECTANT.</li> <li>MITIGATE VIBRATION AND NOISE TO LOWEST IMPACT WHERE POSSIBLE.</li> <li>DISPLAY ICRA AT SITE.</li> <li>SEAL HOLES, PIPES, CONDUITS AND PUNCTURES.</li> </ol>		
CLASS IV	SAME AS CLASS I, II AND III PLUS: <ol style="list-style-type: none"> <li>INSPECT ADJACENT AREAS FOR DUST MIGRATION. TAKE IMMEDIATE CORRECTIVE AS NEEDED</li> <li>USE HEPA VACUUM IN AREA PRIOR TO START OF CONSTRUCTION</li> <li>CONSTRUCT ANTE ROOM. ALL PERSONNEL MUST ENTER THROUGH IT TO BE VACUUMED USING HEPA VACUUM BEFORE LEAVING OR TO DON/DOFF PPE</li> </ol>		

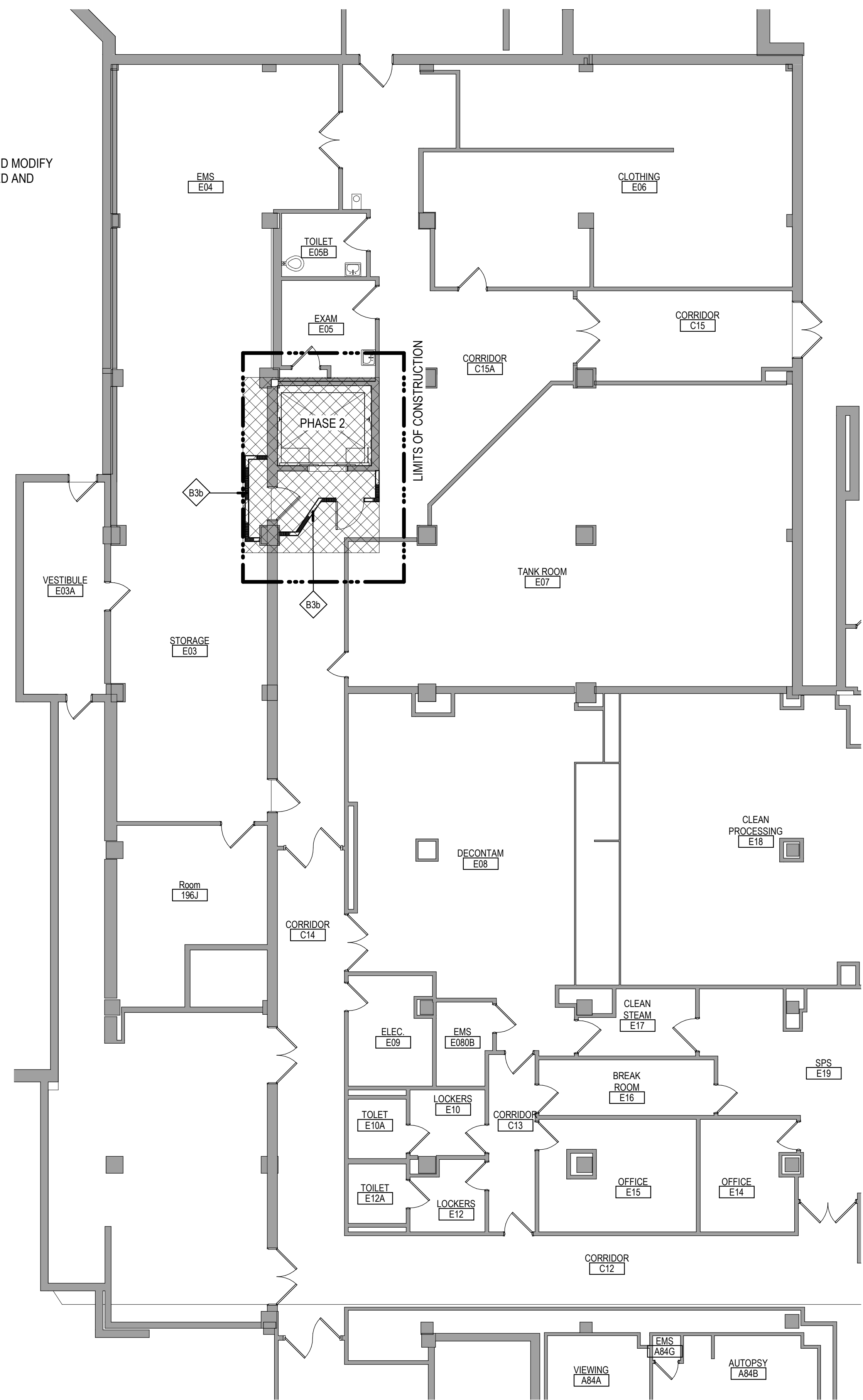
### INFECTION CONTROL RISK ASSESSMENT (ICRA) BY PROJECT AREA USE AND PHASE

<p>PHASE 1: CONSTRUCTION PROJECT ACTIVITY TYPE - C INFECTION CONTROL RISK GROUP - GROUP 2: MEDIUM RISK CONTROL PROCEDURE CLASS - III</p>
<p>PHASE 2: CONSTRUCTION PROJECT ACTIVITY TYPE - C INFECTION CONTROL RISK GROUP - GROUP 3: HIGH RISK CONTROL PROCEDURE CLASS - III</p>

<p>Revisions:</p>	<p>CONSULTANT</p> <p>FARRIS ENGINEERING OMAHA   LINCOLN   COLORADO SPRINGS   SIOUX FALLS farris-usa.com</p>	<p>ARCHITECT/ENGINEER OF RECORD</p> <p>13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000   F 763.412.4090   ae-mn.com Anderson Engineering of Minnesota, LLC   Proj # 15622</p>	<p>STAMP</p> <p>DATE: 05/15/2020 License # 9335</p>	<p>Office of Construction and Facilities Management</p> <p>VA U.S. Department of Veterans Affairs</p>	<p>Drawing Title</p> <p>LOWER LEVEL ICRA, CONSTRUCTION BARRIER &amp; PHASING PLAN - BUILDING 1</p>	<p>Phase</p> <p>CONSTRUCTION DOCUMENTS</p>	<p>Project Name</p> <p>RENOVATE OLD CHAPEL AND AUDITORIUM</p>	<p>Project Number</p> <p>438-19-301</p>
	<p>Date:</p>	<p>ARCHITECT/ENGINEER OF RECORD</p>	<p>Office of Construction and Facilities Management</p>	<p>Approved:</p>	<p>Phase</p> <p>FULLY SPRINKLERED</p>	<p>Location</p> <p>Sioux Falls, SD</p>	<p>Project Number</p> <p>438-19-301</p>	<p>Building Number</p> <p>1 &amp; 5</p>
					<p>Issue Date</p> <p>05/15/2020</p>	<p>Checked</p> <p>--</p>	<p>Drawn</p> <p>Author</p>	<p>Drawing Number</p> <p>GC101-01</p>

A B C D E F

NOTE:  
PROVIDE 1 HOUR FIRE RATED  
ICRA/CONSTRUCTION BARRIERS AND MODIFY  
SPRINKLER HEADS TO BE UPTURNED AND  
EXTENDED TO 18" OF STRUCTURE.



1 LOWER LEVEL ICRA, CONSTRUCTION BARRIER & PHASING PLAN - BUILDING 5  
1/8" = 1'-0"

**INFECTION CONTROL & CONSTRUCTION BARRIER GENERAL NOTES**

- SEE SPEC SECTION 01 35 26 SAFETY REQUIREMENTS FOR ADDITIONAL INFORMATION
- THE INTENT OF INFECTION CONTROL ISOLATION IS TO CONTAIN DUST AND PARTICULATE MATTER TO THE CONSTRUCTION AREA. CONSTRUCTION AREA PERIMETER NEEDS TO BE SEALED COMPLETELY WITH SHEET PLASTIC AS SPECIFIED AND DUCT TAPE DURING OPERATIONS. WHERE PERMITTED BY CLASS ICRA - CONSTRUCTION BARRIER TO BE PROVIDED AS SPECIFIED AND LISTED IN ICRA CLASS
- PROVIDE NEGATIVE PRESSURE MONITORS DURING CONSTRUCTION OPERATIONS AS SPECIFIED. MONITOR TO MEASURE PRESSURE DIFFERENTIAL BETWEEN CONSTRUCTION AREA AND ADJACENT CORRIDOR OR ROOM AS DIRECTED BY VA
- AS CONSTRUCTION PROGRESSES, FROM TYPE D TO TYPE C AND THEREON, PROVIDE A REQUEST VIA "INFECTION CONTROL CONSTRUCTION PERMIT" TO THE VA INFECTION CONTROL NURSE. UPON AUTHORIZATION, PROCEED TO NEXT TYPE OF CONSTRUCTION. PROVIDE AT LEAST TEN (10) WORKING DAYS NOTICE FOR EACH PERMIT.
- CONSTRUCT IC (INFECTION CONTROL) CONSTRUCTION BARRIER(S) FROM FLOOR TO DECK/FLOOR ABOVE, EXCEPTION: IF BARRIER IS ADJACENT TO SMOKE, FIRE, OR EXISTING WALL CONSTRUCTION WHICH WILL NOT BE DEMOLISHED AND TERMINATES TO FLOOR/DECK ABOVE, THEN CONSTRUCT DUST PROOF IC BARRIER, SEE DETAILS; TAPE, MUD, SAND, JOINTS AND PAINT ON NON-CONSTRUCTION SIDE OF BARRIER.
- CONTROL BARRIERS ARE TO BE INSTALLED AND REMOVED ONLY BEFORE 7:00 A.M. AND AFTER 8:00 P.M.
- DURING CONSTRUCTION OPERATIONS IN EACH ENCLOSED AREA PROVIDE NEGATIVE PRESSURE MONITORS, MINIMUM (1) ONE IN AREAS LESS THAN 1000 SF, (2) TWO MINIMUM IN AREAS BETWEEN 1000 SF AND 5000 SF, AND (3) THREE FOR AREAS BETWEEN 5000 SF AND 10000 SF.
- LIFE SAFETY EGRESS IS TO BE MAINTAINED AT ALL TIMES.
- THE CONTRACTOR SHALL PROVIDE ENOUGH NEGATIVE AIR MACHINES TO COMPLETELY EXCHANGE THE REGULATED AREA AIR VOLUME (4) FOUR ACTUAL TIMES PER HOUR. THE COMPETENT PERSON SHALL DETERMINE THE NUMBER OF UNITS NEEDED FOR EACH REGULATED AREA BY DIVIDING THE CUBIC FEET IN THE REGULATED AREA BY (15) FIFTEEN AND THEN DIVIDING THAT RESULT BY THE ACTUAL CUBIC FEET PER MINUTE FOR EACH UNIT TO DETERMINE THE NUMBER OF UNITS NEEDED TO EFFECT (4) FOUR AIR CHANGES PER HOUR. PROVIDE A STANDBY UNIT IN THE EVENT OF MACHINE FAILURE AND/OR EMERGENCY IN AN ADJACENT AREA.
- PRIOR TO ANY REMOVAL OF SMOKE BARRIER FIRE RATED PARTITIONS, CONSTRUCT NEW SMOKE BARRIER APPROPRIATE FIRE RATED PARTITIONS PER PLANS OR CONSTRUCT INFECTION CONTROL BARRIER TO ACT AS SMOKE BARRIER.

**CONSTRUCTION PHASING GENERAL NOTES**

- THE WORK UNDER THIS CONTRACT SHALL BE DIVIDED INTO PHASES. A PHASE CAN INVOLVE MULTIPLE LOCATION AREAS. SEE SPECIFICATIONS SECTION 01 00 00 1.6 G PHASING.
- THE GENERAL CONTRACTOR SHALL COORDINATE ALL PHASING AND SEQUENCING WITH ALL TRADES AND THE OWNER. THE GENERAL CONTRACTOR SHALL PROVIDE A WRITTEN NARRATIVE TO OUTLINE CONSTRUCTION PHASING AND SEQUENCE PLANS, VALIDATING AND ELABORATING ON THIS PHASING DESCRIPTION.
- THE GENERAL CONTRACTOR SHALL COOPERATE FULLY WITH THE OWNER SO WORK MAY BE CARRIED OUT SMOOTHLY, WITHOUT INTERFERING WITH OR DELAYING WORK UNDER THIS CONTRACT, OR OTHER CONTRACTS ON THE PROJECT SITE OR WORK BY OWNER.
- THE GENERAL CONTRACTOR'S CONSTRUCTION SCHEDULE MUST INDICATE THE SEQUENCE, COMMENCEMENT AND COMPLETION DATES, OWNER INSPECTION AND APPROVAL DATES AND MOVE-OUT AND MOVE-IN DATES OF OWNERS PERSONNEL FOR ALL PHASES OF THE WORK.
- THE GENERAL CONTRACTOR SHALL PERFORM THE WORK IN EACH PHASE IN THE SEQUENCE, SHOWN ON THE PHASING PLAN DRAWING(S) AND CONSTRUCTION PHASING DESCRIPTION.
- THE GENERAL CONTRACTOR MUST COMPLETE ALL WORK IN EACH PHASE WITH THE VA INSPECTING AND ACCEPTING THE WORK PRIOR TO VA OCCUPANCY AND THE CONTRACTOR PROCEEDING TO THE NEXT SCHEDULED PHASE. UPON COMPLETION OF A PARTICULAR PHASE, THE ENTIRE AREA COVERED BY THAT PHASE CAN BE OCCUPIED BY THE VA PERSONNEL WITH ALL SYSTEMS FUNCTIONING PROPERLY.
- BEFORE COMMENCING WORK ON EACH SUCCESSIVE PHASE, THE GENERAL CONTRACTOR SHALL SUBMIT AN UPDATED COPY OF THE SCHEDULE.
- ANY DUST PARTITIONS CONSTRUCTED BY THE CONTRACTOR PRIOR TO THE START OF DEMOLITION MUST REMAIN IN PLACE UNTIL THE COMPLETION OF THAT PHASE OR SUBSEQUENT PHASE WHERE REQUIRED.
- THE CONTRACTOR SHALL PERFORM ALL WORK ADJACENT TO VA OCCUPIED AREAS IN SUCH A MANNER TO ENSURE THE CONTINUOUS AND UNINTERRUPTED USE OF ALL OCCUPIED AREAS, INCLUDING THE APPLICABLE MECHANICAL AND ELECTRICAL SYSTEMS SERVING THESE AREAS.
- FOR ADDITIONAL NOTES AND INFORMATION REFER TO INFECTION CONTROL DRAWING(S) AND DEMOLITION PLANS.
- ANY INFORMATION REGARDING SEQUENCING PROVIDED IN THE DOCUMENTS IS FOR ARCHITECT-OWNER PLANNING PURPOSES ONLY.
- THE CONTRACTOR DURING CONSTRUCTION SHALL MAINTAIN REQUIRED MEANS OF EGRESS THROUGHOUT ALL PHASING.
- THE CONTRACTOR SHALL PLAN FOR A MINIMUM OF 4 WEEKS TIME BETWEEN PHASES TO ALLOW THE VA TO OCCUPY THE NEWLY ACCEPTED SPACE AND VACATE THE FOLLOW-ON PHASES. THE VA WILL ACCELERATE THIS TIME WHEN POSSIBLE AND WILL NOTIFY THE CONTRACTOR IF THIS OCCURS.

**CONSTRUCTION INFECTION CONTROL RISK ASSESSMENT (ICRA)**

TYPE	DESCRIPTION	RISK GROUP	ADDITIONAL INFORMATION
TYPE A	INSPECTIONS AND NON-INVASIVE ACTIVITIES. INCLUDES, BUT NOT LIMITED TO, REMOVAL OF CEILING TILES FOR VISUAL INSPECTION LIMITED TO 1 TILE PER 50 SQUARE FEET, PAINTING BUT NOT SANDING WALL COVERINGS, ELECTRICAL TRIM WORK, MINOR PLUMBING, AND ACTIVITIES WHICH DO NOT GENERATE DUST OR REQUIRE CUTTING OF WALLS OR ACCESS TO CEILINGS OTHER THAN FOR VISUAL INSPECTION.	GROUP 1 LOW RISK	<ul style="list-style-type: none"> <li>MECHANICAL SPACES: AREAS NOT DIRECTLY ADJACENT TO PATIENT CARE, INCLUDING INTERSTITIAL SPACES.</li> <li>ENGINEERING OR EMS OFFICE/WORK AREAS</li> <li>OFFICE AREAS: AREAS NOT ATTACHED TO ADJOINING PATIENT CARE AREAS, NOT USED FOR PATIENT INTERVIEWS, EVALUATIONS OR EXAMINATIONS.</li> <li>PUBLIC CORRIDORS: SPACES NOT ON OR DIRECTLY ATTACHED TO PATIENT UNITS OR TREATMENT LOCATIONS.</li> </ul>
TYPE B	SMALL SCALE, SHORT DURATION ACTIVITIES WHICH CREATE MINIMAL DUST. INCLUDES, BUT IS NOT LIMITED TO, INSTALLATION OF TELEPHONE AND COMPUTER CABLING, ACCESS TO CHASE SPACES, CUFFING OF WALLS OR CEILING WHERE DUST MIGRATION CAN BE CONTROLLED, FLOOR COVERING REMOVAL (WITHOUT SANDING OR GRINDING).	GROUP 2 MEDIUM RISK	<ul style="list-style-type: none"> <li>OUTPATIENT AREAS:                             <ol style="list-style-type: none"> <li>PRIMARY CARE OR SPECIALTY CARE CLINIC AREAS</li> <li>BEHAVIORALMENTAL HEALTH AREAS</li> <li>EXTENDED CARE / REHAB CLINIC AREAS</li> <li>COMMUNITY BASED OUTPATIENT CLINICS (CBOS)</li> </ol> </li> </ul>
TYPE C	ANY WORK THAT GENERATES A MODERATE TO HIGH LEVEL OF DUST OR REQUIRES DEMOLITION OR REMOVAL OF ANY FIXED BUILDING COMPONENTS OR ASSEMBLIES. INCLUDES, BUT IS NOT LIMITED TO, SANDING OF WALL FOR PAINTING OR WALLCOVERING, REMOVAL OF FLOOR COVERINGS, CEILING TILES AND CASWORK, NEW WALL CONSTRUCTION, MINOR DUCTWORK OR ELECTRICAL WORK ABOVE CEILING, MAJOR CABLING ACTIVITIES, AND ANY ACTIVITY WHICH CANNOT BE COMPLETED WITHIN A SINGLE WORK SHIFT. FLOOR COVERING REMOVAL (WITH SANDING OR GRINDING).	GROUP 3 HIGH RISK	<ul style="list-style-type: none"> <li>IN-PATIENT UNITS:                             <ol style="list-style-type: none"> <li>INCLUDING, BUT NOT LIMITED TO: EMERGENCY DEPT., NURSING UNITS, RADIOLOGY/MIS/CT/ULTRASOUND, NUCLEAR MEDICINE, CATETERIZATION/CHEMOTHERAPY LABORATORIES, RADIATION / ONCOLOGY, DIALYSIS</li> </ol> </li> </ul>
TYPE D	MAJOR DEMOLITION AND CONSTRUCTION PROJECTS. INCLUDES, BUT IS NOT LIMITED TO, ACTIVITIES WHICH REQUIRE CONSECUTIVE WORK SHIFTS, REQUIRE HEAVY DEMOLITION OR REMOVAL OF A COMPLETE CEILING SYSTEM, FLOORING AND NEW CONSTRUCTION.	GROUP 4 HIGHEST RISK	<ul style="list-style-type: none"> <li>ICU(SU)</li> <li>ORIPACU/ENDOSCOPE</li> <li>GI</li> <li>STERILE PROCESSING SERVICES (SPS)</li> <li>PHARMACY</li> <li>CATH LAB</li> </ul>
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CLASS II	<ol style="list-style-type: none"> <li>SAME AS CLASS I PLUS:</li> <li>ESTABLISH MATERIAL AND DEBRIS ROUTE USING NON-PATIENT/VISITOR PATHWAY</li> <li>WATER MIST WORK SURFACE TO CONTROL DUST WHILE CUTTING OR DRILLING</li> <li>BLUOCK OFF AND SEAL AIR VENTS</li> <li>SEAL UNUSED DOORS WITH PLASTIC SHEATHING AND DUCT TAPE</li> <li>CREATE BARRIERS AS DEFINED BY INFECTION PREVENTION</li> <li>CONTAIN CONSTRUCTION WASTE BEFORE TRANSPORT IN TIGHTLY COVERED CONTAINER, TAPE COVERING UNLESS SOLID LID.</li> <li>WET MOP AND/OR VACUUM WITH HEPA FILTERED VACUUM BEFORE LEAVING WORK AREA.</li> <li>PLACE STICKY MAT AT ALL WORK AREA ENTRANCES AND EXITS.</li> <li>REMOVE OR ISOLATE HVAC SYSTEM IN CONSTRUCTION AREA.</li> </ol>		
CLASS III	<ol style="list-style-type: none"> <li>SAME AS CLASS I AND II PLUS:</li> <li>ISOLATE HVAC SYSTEM IN CONSTRUCTION AREA TO PREVENT DUCT SYSTEM CONTAMINATION</li> <li>COMPLETE CRITICAL BARRIERS (I.E. SHEETROCK, PLASTER, PLASTIC) AT ALL CONSTRUCTION ENTRIES AND EXITS. MONITOR FOR SEAL AND TAKE IMMEDIATE CORRECTIVE ACTION AS NEEDED</li> <li>MAINTAIN AND MONITOR NEGATIVE AIR PRESSURE WITHIN CONSTRUCTION SITE UTILIZING HEPA EQUIPPED AIR FILTRATION UNITS.</li> <li>REMOVE OR ISOLATE HVAC SYSTEMS IN AREA WHERE WORK IS BEING PERFORMED.</li> <li>CHECK AND REPLACE AIR FILTERS AS NEEDED REGULARLY</li> <li>DO NOT REMOVE BARRIERS FROM WORK SITE UNTIL PROJECT IS COMPLETE &amp; HAS BEEN THOROUGHLY CLEANED; REMOVE BARRIERS CAREFULLY TO MINIMIZE SPREADING DUST, DEBRIS.</li> <li>VACUUM WORK WITH HEPA FILTERED VACUUM.</li> <li>WET MOP AREA WITH CLEANER/DISINFECTANT.</li> <li>MITIGATE VIBRATION AND NOISE TO LOWEST IMPACT WHERE POSSIBLE.</li> <li>DISPLAY ICRA AT SITE</li> <li>SEAL HOLES, PIPES, CONDUITS AND PUNCTURES.</li> </ol>		
CLASS IV	<ol style="list-style-type: none"> <li>SAME AS CLASS I, II AND III PLUS:</li> <li>INSPECT ADJACENT AREAS FOR DUST MIGRATION, TAKE IMMEDIATE CORRECTIVE AS NEEDED</li> <li>USE HEPA VACUUM IN AREA PRIOR TO START OF CONSTRUCTION</li> <li>CONSTRUCT ANTE ROOM. ALL PERSONNEL MUST ENTER THROUGH IT TO BE VACUUMED USING HEPA VACUUM BEFORE LEAVING OR TO DON/DOFF PPE</li> </ol>		

**INFECTION CONTROL RISK ASSESSMENT (ICRA) BY PROJECT AREA USE AND PHASE**

<p>PHASE 1: CONSTRUCTION PROJECT ACTIVITY TYPE - C INFECTION CONTROL RISK GROUP - GROUP 2 - MEDIUM RISK CONTROL PROCEDURE CLASS - II</p>
<p>PHASE 2: CONSTRUCTION PROJECT ACTIVITY TYPE - C INFECTION CONTROL RISK GROUP - GROUP 3 - HIGH RISK CONTROL PROCEDURE CLASS - III</p>

Revisions:	Date:

**CONSULTANT**

FARRIS ENGINEERING  
OMAHA | LINCOLN | COLORADO SPRINGS | SEBASTIAN  
farris-usa.com

**ARCHITECT/ENGINEER OF RECORD**

13605 1st Ave. N. #100 Plymouth, MN 55441  
P 763.412.4000 | F 763.412.4090 | ae-mn.com  
Anderson Engineering of Minnesota, LLC | Proj # 15622

**STAMP**

DATE: 05/15/2020  
License # 9335

Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title  
**GROUND LEVEL ICRA-CONSTRUCTION BARRIER & PHASING PLAN - BUILDING 5**

Approved:

Phase  
**CONSTRUCTION DOCUMENTS**

FULLY SPRINKLERED

Project Title  
**RENOVATE OLD CHAPEL AND AUDITORIUM**

Location  
Sioux Falls, SD

Issue Date  
05/15/2020

Checked  
Checker

Drawn  
Author

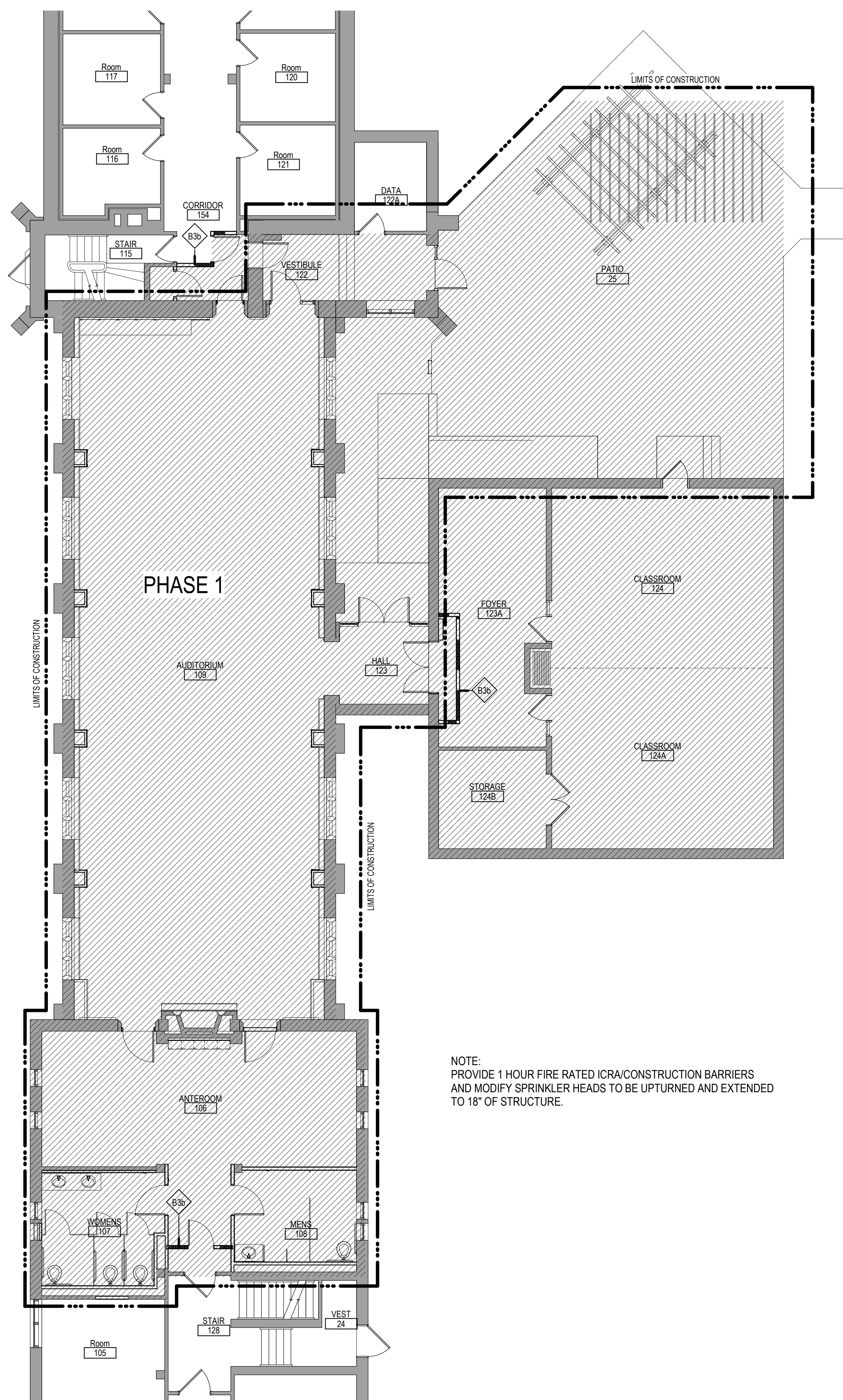
Project Number  
438-19-301

Building Number  
1 & 5

Drawing Number  
GC101-05



A B C D E F



- ### INFECTION CONTROL & CONSTRUCTION BARRIER GENERAL NOTES
- SEE SPEC SECTION 01 35 26 SAFETY REQUIREMENTS FOR ADDITIONAL INFORMATION
  - THE INTENT OF INFECTION CONTROL ISOLATION IS TO CONTAIN DUST AND PARTICULATE MATTER TO THE CONSTRUCTION AREA. CONSTRUCTION AREA PERIMETER NEEDS TO BE SEALED COMPLETELY WITH SHEET PLASTIC AS SPECIFIED AND DUCT TAPE DURING OPERATIONS, WHERE PERMITTED BY CLASS, ICRA - CONSTRUCTION BARRIER TO BE PROVIDED AS SPECIFIED AND LISTED IN ICRA CLASS.
  - PROVIDE NEGATIVE PRESSURE MONITORS DURING CONSTRUCTION OPERATIONS AS SPECIFIED. MONITOR TO MEASURE PRESSURE DIFFERENTIAL BETWEEN CONSTRUCTION AREA AND ADJACENT CORRIDOR OR ROOM AS DIRECTED BY VA.
  - AS CONSTRUCTION PROGRESSES, FROM TYPE D TO TYPE C AND THEREON, PROVIDE A REQUEST VIA "INFECTION CONTROL CONSTRUCTION PERMIT" TO THE VA INFECTION CONTROL NURSE. UPON AUTHORIZATION, PROCEED TO NEXT TYPE OF CONSTRUCTION. PROVIDE AT LEAST TEN (10) WORKING DAYS NOTICE FOR EACH PERMIT.
  - CONSTRUCT IC (INFECTION CONTROL) CONSTRUCTION BARRIERS FROM FLOOR TO DECK/FLOOR ABOVE. EXCEPTION: IF BARRIER IS ADJACENT TO SMOKE FIRE OR EXISTING WALL CONSTRUCTION WHICH WILL NOT BE DEMOLISHED AND TERMINATES TO FLOOR/DECK ABOVE, THEN CONSTRUCT DUST PROOF IC BARRIER. SEE DETAILS) TAPE, MUD, SAND JOINTS AND PAINT ON NON-CONSTRUCTION SIDE OF BARRIER.
  - CONTROL BARRIERS ARE TO BE INSTALLED AND REMOVED ONLY BEFORE 7:00 A.M. AND AFTER 8:00 P.M.
  - DURING CONSTRUCTION OPERATIONS IN EACH ENCLOSED AREA PROVIDE NEGATIVE PRESSURE MONITORS, MINIMUM (1) ONE IN AREAS LESS THAN 1000 SF, (2) TWO MINIMUM IN AREAS BETWEEN 1000 SF AND 5000 SF, AND (3) THREE FOR AREAS BETWEEN 5000 SF AND 10000 SF.
  - LIFE SAFETY EGRESS IS TO BE MAINTAINED AT ALL TIMES.
  - THE CONTRACTOR SHALL PROVIDE ENOUGH NEGATIVE AIR MACHINES TO COMPLETELY EXCHANGE THE REGULATED AREA AIR VOLUME (4) FOUR ACTUAL TIMES PER HOUR. THE COMPETENT PERSON SHALL DETERMINE THE NUMBER OF UNITS NEEDED FOR EACH REGULATED AREA BY DIVIDING THE CUBIC FEET IN THE REGULATED AREA BY (15) FIFTEEN AND THEN DIVIDING THAT RESULT BY THE ACTUAL CUBIC FEET PER MINUTE (CFM) FOR EACH UNIT TO DETERMINE THE NUMBER OF UNITS NEEDED TO EFFECT (4) FOUR AIR CHANGES PER HOUR. PROVIDE A STANDBY UNIT IN THE EVENT OF MACHINE FAILURE AND/OR EMERGENCY IN AN ADJACENT AREA.
  - PRIOR TO ANY REMOVAL OF SMOKE BARRIER FIRE RATED PARTITIONS, CONSTRUCT NEW SMOKE BARRIER APPROPRIATE FIRE RATED PARTITIONS PER PLANS OR CONSTRUCT INFECTION CONTROL BARRIER TO ACT AS SMOKE BARRIER.

- ### CONSTRUCTION PHASING GENERAL NOTES
- THE WORK UNDER THIS CONTRACT SHALL BE DIVIDED INTO PHASES. A PHASE CAN INVOLVE MULTIPLE LOCATION AREAS. SEE SPECIFICATIONS SECTION 01 00 00 1.6.G PHASING.
  - THE GENERAL CONTRACTOR SHALL COORDINATE ALL PHASING AND SEQUENCING WITH ALL TRADES AND THE OWNER. THE GENERAL CONTRACTOR SHALL PROVIDE A WRITTEN NARRATIVE TO OUTLINE CONSTRUCTION PHASING AND SEQUENCE PLANS, VALIDATING AND ELABORATING ON THIS PHASING DESCRIPTION.
  - THE GENERAL CONTRACTOR SHALL COOPERATE FULLY WITH THE OWNER SO WORK MAY BE CARRIED OUT SMOOTHLY, WITHOUT INTERFERING WITH OR DELAYING WORK UNDER THIS CONTRACT, OR OTHER CONTRACTS ON THE PROJECT SITE OR WORK BY OWNER.
  - THE GENERAL CONTRACTOR'S CONSTRUCTION SCHEDULE SHALL INDICATE THE SEQUENCE, COMMENCEMENT AND COMPLETION DATES. OWNERS INSPECTION AND APPROVAL DATES AND MOVE-OUT AND MOVE-IN DATES OF OWNERS PERSONNEL FOR ALL PHASES OF THE WORK.
  - THE GENERAL CONTRACTOR SHALL PERFORM THE WORK IN EACH PHASE IN THE SEQUENCE SHOWN ON THE PHASING PLAN DRAWINGS AND CONSTRUCTION PHASING DESCRIPTION.
  - THE GENERAL CONTRACTOR MUST COMPLETE ALL WORK IN EACH PHASE WITH THE VA INSPECTING AND ACCEPTING THE WORK PRIOR TO VA OCCUPANCY AND THE CONTRACTOR PROCEEDING TO THE NEXT SCHEDULED PHASE. UPON COMPLETION OF A PARTICULAR PHASE, THE ENTIRE AREA COVERED BY THAT PHASE CAN BE OCCUPIED BY THE VA. PERSONNEL WITH ALL SYSTEMS FUNCTIONING PROPERLY.
  - BEFORE COMMENCING WORK ON EACH SUCCESSIVE PHASE, THE GENERAL CONTRACTOR SHALL SUBMIT AN UPDATED COPY OF THE SCHEDULE.
  - ANY DUST PARTITIONS CONSTRUCTED BY THE CONTRACTOR PRIOR TO THE START OF DEMOLITION MUST REMAIN IN PLACE UNTIL THE COMPLETION OF THAT PHASE OR SUBSEQUENT PHASE WHERE REQUIRED.
  - THE CONTRACTOR SHALL PERFORM ALL WORK ADJACENT TO VA OCCUPIED AREAS IN SUCH A MANNER TO ENSURE THE CONTINUOUS AND UNINTERRUPTED USE OF ALL OCCUPIED AREAS, INCLUDING THE APPLICABLE MECHANICAL AND ELECTRICAL SYSTEMS SERVING THESE AREAS.
  - FOR ADDITIONAL NOTES AND INFORMATION REFER TO INFECTION CONTROL DRAWINGS(S) AND DEMOLITION PLANS.
  - ANY INFORMATION REGARDING SEQUENCING PROVIDED IN THE DOCUMENTS IS FOR ARCHITECT-OWNER PLANNING PURPOSES ONLY.
  - THE CONTRACTOR DURING CONSTRUCTION SHALL MAINTAIN REQUIRED MEANS OF EGRESS THROUGHOUT ALL PHASING.
  - THE CONTRACTOR SHALL PLAN FOR A MINIMUM OF 4 WEEKS' TIME BETWEEN PHASES TO ALLOW THE VA TO OCCUPY THE NEWLY ACCEPTED SPACE AND VACATE THE FOLLOWING PHASES. THE VA WILL ACCELERATE THIS TIME WHEN POSSIBLE AND WILL NOTIFY THE CONTRACTOR IF THIS OCCURS.

### CONSTRUCTION INFECTION CONTROL RISK ASSESSMENT (ICRA)

TYPE	DESCRIPTION	RISK GROUP	ADJACENT AREAS
TYPE A	INSPECTIONS AND NON-INVASIVE ACTIVITIES. INCLUDES, BUT NOT LIMITED TO, REMOVAL OF CEILING TILES FOR VISUAL INSPECTION LIMITED TO 1 TILE PER 50 SQUARE FEET, PAINTING BUT NOT SANDING WALL COVERING, ELECTRICAL TRIM WORK, MINOR PLUMBING, AND ACTIVITIES WHICH DO NOT GENERATE DUST OR REQUIRE CUTTING OF WALLS OR ACCESS TO CEILINGS OTHER THAN FOR VISUAL INSPECTION.	GROUP 1 LOW RISK	<ul style="list-style-type: none"> <li>MECHANICAL SPACES: AREAS NOT DIRECTLY ADJACENT TO PATIENT CARE, INCLUDING INTERSTITIAL SPACES.</li> <li>ENGINEERING OR EMS OFFICE/WORK AREAS</li> <li>OFFICE AREAS: AREAS NOT ATTACHED TO ADJOINING PATIENT CARE AREAS, NOT USED FOR PATIENT INTERVIEWS, EVALUATIONS OR EXAMINATIONS.</li> <li>PUBLIC CORRIDORS: SPACES NOT ON OR DIRECTLY ATTACHED TO PATIENT UNITS OR TREATMENT LOCATIONS.</li> </ul>
TYPE B	SMALL SCALE, SHORT DURATION ACTIVITIES WHICH CREATE MINIMAL DUST. INCLUDES, BUT IS NOT LIMITED TO, INSTALLATION OF TELEPHONE AND COMPUTER CABLES, ACCESS TO CHASE SPACES, CLIPPING OF WALLS OR CEILING WHERE DUST MIGRATION CAN BE CONTROLLED, FLOOR COVERING REMOVAL (WITHOUT SANDING OR GRINDING).	GROUP 2 MEDIUM RISK	<ul style="list-style-type: none"> <li>OUTPATIENT AREAS:                             <ol style="list-style-type: none"> <li>PRIMARY CARE OR SPECIALTY CARE CLINIC AREAS</li> <li>BEHAVIORAL/MENTAL HEALTH AREAS</li> <li>EXTENDED CARE / REHAB CLINIC AREAS</li> <li>COMMUNITY BASED OUTPATIENT CLINICS (CBCS)</li> </ol> </li> </ul>
TYPE C	ANY WORK THAT GENERATES A MODERATE TO HIGH LEVEL OF DUST OR REQUIRES DEMOLITION OR REMOVAL OF ANY FIXED BUILDING COMPONENTS OR ASSEMBLIES. INCLUDES, BUT IS NOT LIMITED TO, SANDING OF WALL FOR PAINTING OR WALL COVERING, REMOVAL OF FLOOR COVERINGS, CEILING TILES AND CASINGWORK, NEW WALL CONSTRUCTION, MINOR DUCTWORK OR ELECTRICAL WORK ABOVE CEILINGS, MAJOR CABLING ACTIVITIES, AND ANY ACTIVITY WHICH CANNOT BE COMPLETED WITHIN A SINGLE WORK SHIFT. FLOOR COVERING REMOVAL (WITH SANDING OR GRINDING).	GROUP 3 HIGH RISK	<ul style="list-style-type: none"> <li>IN-PATIENT UNITS:                             <ul style="list-style-type: none"> <li>INCLUDING, BUT NOT LIMITED TO: EMERGENCY DEPT., NURSING UNITS, RADIOLOGY/IM/CT/ULTRASOUND, NUCLEAR MEDICINE, CAFETERIA/ITHEM/CANTEEN, LABORATORIES, RADIATION ONCOLOGY, DIAGNOSIS</li> </ul> </li> </ul>
TYPE D	MAJOR DEMOLITION AND CONSTRUCTION PROJECTS. INCLUDES, BUT IS NOT LIMITED TO, ACTIVITIES WHICH REQUIRE CONSECUTIVE WORK SHIFTS, REQUIRE HEAVY DEMOLITION OR REMOVAL OF A COMPLETE CEILING SYSTEM, FLOORING AND NEW CONSTRUCTION.	GROUP 4 HIGHEST RISK	<ul style="list-style-type: none"> <li>IUSUCU</li> <li>ORIPACUENDOSCOPY</li> <li>GI</li> <li>STERILE PROCESSING SERVICES (SPS)</li> <li>PHARMACY</li> <li>CATH LAB</li> </ul>
CLASS I	<ol style="list-style-type: none"> <li>KEEP AREAS FREE OF DEBRIS, TRASH</li> <li>EXECUTE WORK TO MINIMIZE DUST MIGRATION (E.G. WET MOPPING, HEPA VACUUM)</li> <li>IMMEDIATELY REPLACE ANY CEILING TILE DISPLACED FOR VISUAL INSPECTION (INVOLVING MINOR DEMOLITION OR REMODELING)</li> </ol>		
CLASS II	SAME AS CLASS I PLUS: <ol style="list-style-type: none"> <li>ESTABLISH MATERIAL AND DEBRIS ROUTE USING NON-PATIENT VISIT OR PATHWAY</li> <li>WATER MIST WORK SCHEDULE TO CONTROL DUST WHILE CUTTING OR DRILLING</li> <li>BLOCK OFF AND SEAL AIR VENTS</li> <li>SEAL UNUSED DOORS WITH PLASTIC SHEATHING AND DUCT TAPE</li> <li>CREATE BARRIERS AS DIRECTED BY INFECTION PREVENTION</li> <li>CONTAIN CONSTRUCTION WASTE BEFORE TRANSPORT IN TIGHTLY COVERED CONTAINER; TAPE COVERING UNLESS SOLID LID.</li> <li>WET MOP AND/OR VACUUM WITH HEPA FILTERED VACUUM BEFORE LEAVING WORK AREA.</li> <li>PLACE STICKY MAT AT ALL WORK AREA ENTRANCES AND EXITS</li> <li>REMOVE OR ISOLATE HVAC SYSTEM IN CONSTRUCTION AREA</li> </ol>		
CLASS III	SAME AS CLASS I AND II PLUS: <ol style="list-style-type: none"> <li>ISOLATE HVAC SYSTEM IN CONSTRUCTION AREA TO PREVENT DUCT SYSTEM CONTAMINATION</li> <li>COMPLETE CRITICAL BARRIERS (I.E. SHEETROCK, PLYWOOD, PLASTIC) AT ALL CONSTRUCTION ENTRIES AND EXITS, MONITOR FOR SEAL AND TAKE IMMEDIATE CORRECTIVE ACTION AS NEEDED</li> <li>MAINTAIN AND MONITOR NEGATIVE AIR PRESSURE WITHIN CONSTRUCTION SITE UTILIZING HEPA EQUIPPED AIR FILTRATION UNITS.</li> <li>REMOVE OR ISOLATE HVAC SYSTEMS IN AREA WHERE WORK IS BEING PERFORMED.</li> <li>CHECK AND REPLACE AIR FILTERS AS NEEDED REGULARLY.</li> <li>DO NOT REMOVE BARRIERS FROM WORK SITE UNTIL PROJECT IS COMPLETE &amp; HAS BEEN THOROUGHLY CLEANED; REMOVE BARRIERS CAREFULLY TO MINIMIZE SPREADING DUST, DEBRIS.</li> <li>VACUUM WORK WITH HEPA FILTERED VACUUM.</li> <li>WET MOP AREA WITH CLEANER/DISINFECTANT</li> <li>MITIGATE VIBRATION AND NOISE TO LOWEST IMPACT WHERE POSSIBLE.</li> <li>DISPLAY ICRA AT SITE</li> <li>SEAL HOLES, PIPES, CONDULTS AND PUNCTURES.</li> </ol>		
CLASS IV	SAME AS CLASS I, II AND III PLUS: <ol style="list-style-type: none"> <li>INSPECT ADJACENT AREAS FOR DUST MIGRATION, TAKE IMMEDIATE CORRECTIVE AS NEEDED</li> <li>USE HEPA VACUUM IN AREA PRIOR TO START OF CONSTRUCTION</li> <li>CONSTRUCT WASTE ROOM, ALL PERSONNEL MUST ENTER THROUGH IT TO BE VACUUMED USING HEPA VACUUM BEFORE LEAVING OR TO DONDOFF PPE</li> </ol>		

NOTE: PROVIDE 1 HOUR FIRE RATED ICRA/CONSTRUCTION BARRIERS AND MODIFY SPRINKLER HEADS TO BE UPTURNED AND EXTENDED TO 18" OF STRUCTURE.

1 FIRST FLOOR ICRA, CONSTRUCTION BARRIER & PHASING PLAN  
1/8" = 1'-0"

### INFECTION CONTROL RISK ASSESSMENT (ICRA) BY PROJECT AREA USE AND PHASE

PHASE 1: CONSTRUCTION PROJECT ACTIVITY TYPE - C INFECTION CONTROL RISK GROUP - GROUP 2 : MEDIUM RISK CONTROL PROCEDURE CLASS - III
PHASE 2: CONSTRUCTION PROJECT ACTIVITY TYPE - C INFECTION CONTROL RISK GROUP - GROUP 3 : HIGH RISK CONTROL PROCEDURE CLASS - III

<b>CONSULTANT</b> 		<b>ARCHITECT/ENGINEER OF RECORD</b>  13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000   F 763.412.4090   ae-mn.com Anderson Engineering of Minnesota, LLC   Proj # 15622		<b>STAMP</b> 	<b>Office of Construction and Facilities Management</b> U.S. Department of Veterans Affairs	<b>Drawing Title</b> FIRST LEVEL ICRA, CONSTRUCTION BARRIER & PHASING PLAN - BUILDING 1	<b>Phase</b> CONSTRUCTION DOCUMENTS	<b>Project Title</b> RENOVATE OLD CHAPEL AND AUDITORIUM	<b>Project Number</b> 438-19-301	
<b>Revisions:</b>		<b>Date:</b>		<b>Approved:</b>	<b>FULLY SPRINKLERED</b>	<b>Location</b> Sioux Falls, SD	<b>Issue Date</b> 05/15/2020	<b>Checked</b> --	<b>Drawn</b> Author	<b>Drawing Number</b> GC111-01

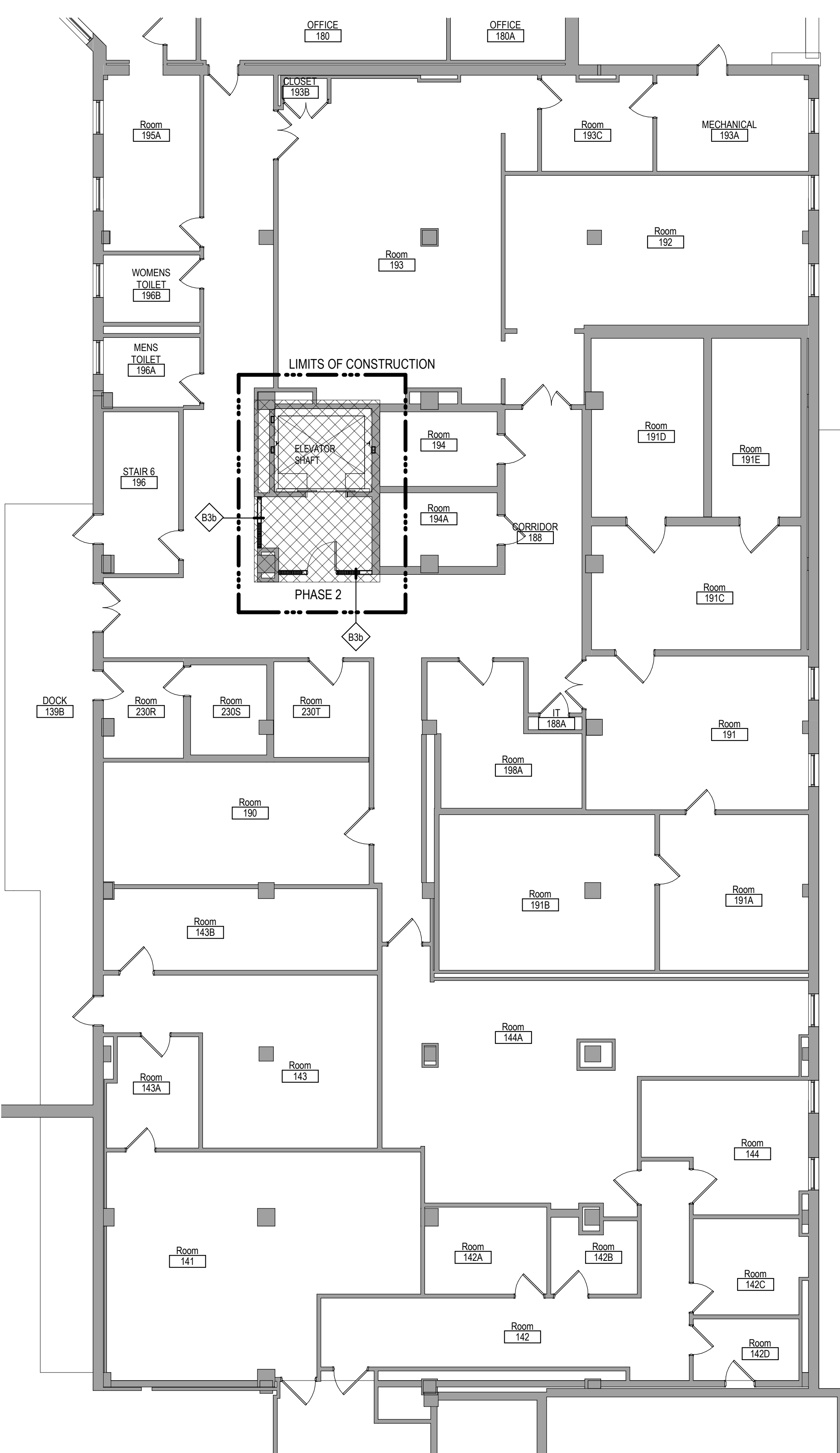
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### INFECTION CONTROL & CONSTRUCTION BARRIER GENERAL NOTES

- SEE SPEC SECTION 01 35 26 SAFETY REQUIREMENTS FOR ADDITIONAL INFORMATION
- THE INTENT OF INFECTION CONTROL ISOLATION IS TO CONTAIN DUST AND PARTICULATE MATTER TO THE CONSTRUCTION AREA. CONSTRUCTION AREA PERIMETER NEEDS TO BE SEALED COMPLETELY WITH SHEET PLASTIC AS SPECIFIED AND DUCT TAPE DURING OPERATIONS. WHERE PERMITTED BY CLASS ICRA - CONSTRUCTION BARRIER TO BE PROVIDED AS SPECIFIED AND LISTED IN ICRA CLASS.
- PROVIDE NEGATIVE PRESSURE MONITORS DURING CONSTRUCTION OPERATIONS AS SPECIFIED. MONITOR TO MEASURE PRESSURE DIFFERENTIAL BETWEEN CONSTRUCTION AREA AND ADJACENT CORRIDOR OR ROOM AS DIRECTED BY VA.
- AS CONSTRUCTION PROGRESSES, FROM TYPE D TO TYPE C AND THEREON, PROVIDE A REQUEST VIA "INFECTION CONTROL CONSTRUCTION PERMIT" TO THE VA INFECTION CONTROL NURSE. UPON AUTHORIZATION, PROCEED TO NEXT TYPE OF CONSTRUCTION. PROVIDE AT LEAST TEN (10) WORKING DAYS NOTICE FOR EACH PERMIT.
- CONSTRUCT IC (INFECTION CONTROL CONSTRUCTION BARRIER) FROM FLOOR TO DECK/FLOOR ABOVE. EXCEPTION: IF BARRIER IS ADJACENT TO SMOKE, FIRE, OR EXISTING WALL CONSTRUCTION WHICH WILL NOT BE DEMOLISHED AND TERMINATES TO FLOOR/DECK ABOVE, THEN CONSTRUCT DUST PROOF IC BARRIER. SEE DETAILS (S), TAPE, MUD, SAND JOINTS AND PAINT ON NON-CONSTRUCTION SIDE OF BARRIER.
- CONTROL BARRIERS ARE TO BE INSTALLED AND REMOVED ONLY BEFORE 7:00 A.M. AND AFTER 8:00 P.M.
- DURING CONSTRUCTION OPERATIONS IN EACH ENCLOSED AREA PROVIDE NEGATIVE PRESSURE MONITORS. MINIMUM (1) ONE IN AREAS LESS THAN 1000 SF, (2) TWO MINIMUM IN AREAS BETWEEN 1000 SF AND 5000 SF, AND (3) THREE FOR AREAS BETWEEN 5000 SF AND 10000 SF.
- LIFE SAFETY EGRESS IS TO BE MAINTAINED AT ALL TIMES.
- THE CONTRACTOR SHALL PROVIDE ENOUGH NEGATIVE AIR MACHINES TO COMPLETELY EXCHANGE THE REGULATED AREA AIR VOLUME (4) FOUR ACTUAL TIMES PER HOUR. THE COMPETENT PERSON SHALL DETERMINE THE NUMBER OF UNITS NEEDED FOR EACH REGULATED AREA BY DIVIDING THE CUBIC FEET IN THE REGULATED AREA BY (15) FIFTEEN AND THEN DIVIDING THAT RESULT BY THE ACTUAL CUBIC FEET PER MINUTE (CFM) FOR EACH UNIT TO DETERMINE THE NUMBER OF UNITS NEEDED TO EFFECT (4) FOUR AIR CHANGES PER HOUR. PROVIDE A STANDBY UNIT IN THE EVENT OF MACHINE FAILURE AND/OR EMERGENCY IN AN ADJACENT AREA.
- PRIOR TO ANY REMOVAL OF SMOKE BARRIER FIRE RATED PARTITIONS, CONSTRUCT NEW SMOKE BARRIER APPROPRIATE FIRE RATED PARTITIONS PER PLANS OR CONSTRUCT INFECTION CONTROL BARRIER TO ACT AS SMOKE BARRIER.

### CONSTRUCTION PHASING GENERAL NOTES

- THE WORK UNDER THIS CONTRACT SHALL BE DIVIDED INTO PHASES. A PHASE CAN INVOLVE MULTIPLE LOCATION AREAS. SEE SPECIFICATIONS SECTION 01 00 00 1.6.G PHASING
- THE GENERAL CONTRACTOR SHALL COORDINATE ALL PHASING AND SEQUENCING WITH ALL TRADES AND THE OWNER. THE GENERAL CONTRACTOR SHALL PROVIDE A WRITTEN NARRATIVE TO OUTLINE CONSTRUCTION PHASING AND SEQUENCE PLANS, VALIDATING AND ELABORATING ON THIS PHASING DESCRIPTION.
- THE GENERAL CONTRACTOR SHALL COOPERATE FULLY WITH THE OWNER SO WORK MAY BE CARRIED OUT SMOOTHLY, WITHOUT INTERFERING WITH OR DELAYING WORK UNDER THIS CONTRACT, OR OTHER CONTRACTS ON THE PROJECT SITE OR WORK BY OWNER.
- THE GENERAL CONTRACTOR'S CONSTRUCTION SCHEDULE SHALL INDICATE THE SEQUENCE, COMMENCEMENT AND COMPLETION DATES, OWNER INSPECTION AND APPROVAL DATES AND MOVE-OUT AND MOVE-IN DATES OF OWNER'S PERSONNEL FOR ALL PHASES OF THE WORK.
- THE GENERAL CONTRACTOR SHALL PERFORM THE WORK IN EACH PHASE IN THE SEQUENCE SHOWN ON THE PHASING PLAN DRAWINGS AND CONSTRUCTION PHASING DESCRIPTION.
- THE GENERAL CONTRACTOR MUST COMPLETE ALL WORK IN EACH PHASE WITH THE VA INSPECTING AND ACCEPTING THE WORK PRIOR TO VA OCCUPANCY AND THE CONTRACTOR PROCEEDING TO THE NEXT SCHEDULED PHASE. UPON COMPLETION OF A PARTICULAR PHASE, THE ENTIRE AREA COVERED BY THAT PHASE CAN BE OCCUPIED BY THE VA PERSONNEL WITH ALL SYSTEMS FUNCTIONING PROPERLY.
- BEFORE COMMENCING WORK ON EACH SUCCESSIVE PHASE, THE GENERAL CONTRACTOR SHALL SUBMIT AN UPDATED COPY OF THE SCHEDULE.
- ANY DUST PARTITIONS CONSTRUCTED BY THE CONTRACTOR PRIOR TO THE START OF PHASING MUST REMAIN IN PLACE UNTIL THE COMPLETION OF THAT PHASE OR SUBSEQUENT PHASE WHERE REQUIRED.
- THE CONTRACTOR SHALL PERFORM ALL WORK ADJACENT TO VA OCCUPIED AREAS IN SUCH A MANNER TO ENSURE THE CONTINUOUS AND UNINTERRUPTED USE OF ALL OCCUPIED AREAS, INCLUDING THE APPLICABLE MECHANICAL AND ELECTRICAL SYSTEMS SERVING THESE AREAS.
- FOR ADDITIONAL NOTES AND INFORMATION REFER TO INFECTION CONTROL DRAWINGS(S) AND DEMOLITION PLANS.
- ANY INFORMATION REGARDING SEQUENCING PROVIDED IN THE DOCUMENTS IS FOR ARCHITECT-OWNERS PLANNING PURPOSES ONLY.
- THE CONTRACTOR DURING CONSTRUCTION SHALL MAINTAIN REQUIRED MEANS OF EGRESS THROUGHOUT ALL PHASING.
- THE CONTRACTOR SHALL PLAN FOR A MINIMUM OF 4 WEEKS TIME BETWEEN PHASES TO ALLOW THE VA TO OCCUPY THE NEWLY ACCEPTED SPACE AND VICINATE THE FOLLOW-ON PHASES. THE VA WILL ACCELERATE THIS TIME WHEN POSSIBLE AND WILL NOTIFY THE CONTRACTOR IF THIS OCCURS.



NOTE: PROVIDE 1 HOUR FIRE RATED ICRA/CONSTRUCTION BARRIERS AND MODIFY SPRINKLER HEADS TO BE UPTURNED AND EXTENDED TO 18" OF STRUCTURE.

### CONSTRUCTION INFECTION CONTROL RISK ASSESSMENT (ICRA)

TYPE	DESCRIPTION	RISK GROUP	ADJACENT AREAS
TYPE A	INSPECTIONS AND NON-INVASIVE ACTIVITIES. INCLUDES, BUT NOT LIMITED TO, REMOVAL OF CEILING TILES FOR VISUAL INSPECTION LIMITED TO 1 TILE PER 50 SQUARE FEET, PAINTING BUT NOT SANDING WALL COVERING, ELECTRICAL TRIM WORK, MINOR PLUMBING, AND ACTIVITIES WHICH DO NOT GENERATE DUST OR REQUIRE CUTTING OF WALLS OR ACCESS TO CEILING OTHER THAN FOR VISUAL INSPECTION.	GROUP 1 LOW RISK	MECHANICAL SPACES; AREAS NOT DIRECTLY ADJACENT TO PATIENT CARE, INCLUDING INTERSTITIAL SPACES ENGINEERING OR EMERGENCY WORK AREAS OFFICE AREAS; AREAS NOT ATTACHED TO ADJOINING PATIENT CARE AREAS, NOT USED FOR PATIENT INTERVIEWS, EVALUATIONS OR EXAMINATIONS PUBLIC CORRIDORS; SPACES NOT ON OR DIRECTLY ATTACHED TO PATIENT UNITS OR TREATMENT LOCATIONS.
TYPE B	SMALL SCALE, SHORT DURATION ACTIVITIES WHICH CREATE MINIMAL DUST. INCLUDES, BUT IS NOT LIMITED TO, INSTALLATION OF TELEPHONE AND COMPUTER CABLING, ACCESS TO CHASE SPACES, CUFFING OF WALLS OR CEILING WHERE DUST MIGRATION CAN BE CONTROLLED, FLOOR COVERING REMOVAL (WITHOUT SANDING OR GRINDING).	GROUP 2 MEDIUM RISK	OUTPATIENT AREAS: 1. PRIMARY CARE OR SPECIALTY CARE CLINIC AREAS 2. BEHAVIORAL/MENTAL HEALTH AREAS 3. EXTENDED CARE / REHAB CLINIC AREAS 4. COMMUNITY BASED OUT PATIENT CLINICS (CBCOS)
TYPE C	ANY WORK THAT GENERATES A MODERATE TO HIGH LEVEL OF DUST OR REQUIRES DEMOLITION OR REMOVAL OF ANY FIXED BUILDING COMPONENTS OR ASSEMBLIES. INCLUDES, BUT IS NOT LIMITED TO, SANDING OF WALL FOR PAINTING OR WALLCOVERING, REMOVAL OF FLOOR COVERINGS, CEILING TILES AND CASEWORK, NEW WALL CONSTRUCTION, MINOR DUCTWORK OR ELECTRICAL WORK ABOVE CEILING, MAJOR CABLING ACTIVITIES, AND ANY ACTIVITY WHICH CANNOT BE COMPLETED WITHIN A SINGLE WORK SHIFT, FLOOR COVERING REMOVAL (WITH SANDING OR GRINDING).	GROUP 3 HIGH RISK	IN-PATIENT UNITS: 1. INCLUDING, BUT NOT LIMITED TO: EMERGENCY DEPT., NURSING UNITS, RADIOLOGY/MR/CT/US/TRANSUD, NUCLEAR MEDICINE, CAFETERIA/KITCHEN/CANTEEN/LABORATORIES, RADIATION / ONCOLOGY, DIALYSIS
TYPE D	MAJOR DEMOLITION AND CONSTRUCTION PROJECTS. INCLUDES, BUT IS NOT LIMITED TO, ACTIVITIES WHICH REQUIRE CONSECUTIVE WORK SHIFTS, REQUIRE HEAVY DEMOLITION OR REMOVAL OF A COMPLETE CEILING SYSTEM, FLOORING AND NEW CONSTRUCTION.	GROUP 4 HIGHEST RISK	ICU/SICU ORPAC/ENDOSCOPY GI STERILE PROCESSING SERVICES (SPS) PHARMACY CATH LAB
CLASS I	1. KEEP AREAS FREE OF DEBRIS, TRASH 2. EXECUTE WORK TO MINIMIZE OF DUST MIGRATION (E.G. WET MOPPING, HEPA VACUUM) 3. IMMEDIATELY REPLACE ANY CEILING TILE DISPLACED FOR VISUAL INSPECTION (INVOLVING MINOR DEMOLITION IN MAINTENANCE OR REMODELING)		
CLASS II	SAME AS CLASS I PLUS: 1. ESTABLISH MATERIAL AND DEBRIS ROUTE USING NON-PATIENT/VISITOR PATHWAY 2. WATER MIST WORK SURFACE TO CONTROL DUST WHILE CUTTING OR DRILLING 3. BLOCK OFF AND SEAL AIR VENTS 4. SEAL UNUSED DOORS WITH PLASTIC SHEATHING AND DUCT TAPE 5. CREATE BARRIERS AS DEFINED BY INFECTION PREVENTION 6. CONTAIN CONSTRUCTION WASTE BEFORE TRANSPORT IN TIGHTLY COVERED CONTAINER, TAPE COVERING UNLESS SOLID LD. 7. WET MOP AND/OR VACUUM WITH HEPA FILTERED VACUUM BEFORE LEAVING WORK AREA. 8. PLACE STICKY MAT AT ALL WORK AREA ENTRANCES AND EXITS. 9. REMOVE OR ISOLATE HVAC SYSTEM IN CONSTRUCTION AREA.		
CLASS III	SAME AS CLASS I AND II PLUS: 1. ISOLATE HVAC SYSTEM IN CONSTRUCTION AREA TO PREVENT DUCT SYSTEM CONTAMINATION. 2. COMPLETE CRITICAL BARRIERS (E.G. SHEET PLYWOOD, PLASTIC) AT ALL CONSTRUCTION ENTRIES AND EXITS, MONITOR FOR SEAL AND TAKE IMMEDIATE CORRECTIVE ACTION AS NEEDED 3. MAINTAIN AND MONITOR NEGATIVE AIR PRESSURE WITHIN CONSTRUCTION SITE, UTILIZING HEPA EQUIPPED AIR FILTRATION UNITS. 4. REMOVE OR ISOLATE HVAC SYSTEMS IN AREA WHERE WORK IS BEING PERFORMED 5. CHECK AND REPLACE AIR FILTERS AS NEEDED REGULARLY 6. DO NOT REMOVE BARRIERS FROM WORK SITE UNTIL PROJECT IS COMPLETE & HAS BEEN THOROUGHLY CLEANED; REMOVE BARRIERS CAREFULLY TO MINIMIZE SPREADING DUST/DEBRIS 7. VACUUM WORK WITH HEPA FILTERED VACUUM. 8. WET MOP AREA WITH CLEANER/DISINFECTANT 9. MITIGATE VIBRATION AND NOISE TO LOWEST IMPACT WHERE POSSIBLE. 10. DISPLAY ICRA AT SITE 11. SEAL HOLES, PIPES, CONDUITS AND PUNCTURES.		
CLASS IV	SAME AS CLASS I, II AND III PLUS: 1. INSPECT ADJACENT AREAS FOR DUST MIGRATION; TAKE IMMEDIATE CORRECTIVE AS NEEDED 2. USE HEPA VACUUM IN AREA PRIOR TO START OF CONSTRUCTION 3. CONSTRUCT ANTE ROOM; ALL PERSONNEL MUST ENTER THROUGH IT TO BE VACUUMED USING HEPA VACUUM BEFORE LEAVING OR TO DON/DOFF PPE		

### INFECTION CONTROL RISK ASSESSMENT (ICRA) BY PROJECT AREA USE AND PHASE

PHASE 1: CONSTRUCTION PROJECT ACTIVITY TYPE - C INFECTION CONTROL RISK GROUP - GROUP 2 - MEDIUM RISK CONTROL PROCEDURE CLASS - III
PHASE 2: CONSTRUCTION PROJECT ACTIVITY TYPE - C INFECTION CONTROL RISK GROUP - GROUP 3 - HIGH RISK CONTROL PROCEDURE CLASS - III

1 FIRST FLOOR ICRA, CONSTRUCTION BARRIER & PHASING PLAN  
1/8" = 1'-0"

Revisions:	Date:

**CONSULTANT**

FARRIS ENGINEERING  
OMAHA | LINCOLN | COLORADO SPRINGS | SEBASTIAN  
farris-usa.com

**ARCHITECT/ENGINEER OF RECORD**

ANDERSON  
13605 1st Ave. N. #100 Plymouth, MN 55441  
P 763.412.4000 | F 763.412.4090 | ae-mn.com  
Anderson Engineering of Minnesota, LLC | Proj # 15622

**STAMP**

DATE: 05/15/2020  
License # 9335

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

Drawing Title  
**FIRST LEVEL ICRA, CONSTRUCTION BARRIER & PHASING PLAN - BUILDING 5**

Approved:

Phase  
**CONSTRUCTION DOCUMENTS**

FULLY SPRINKLERED

Project Title  
**RENOVATE OLD CHAPEL AND AUDITORIUM**

Location  
Sioux Falls, SD

Issue Date  
05/15/2020

Checked  
Author

Drawn  
Author

Project Number  
438-19-301

Building Number  
1 & 5

Drawing Number  
GC111-05

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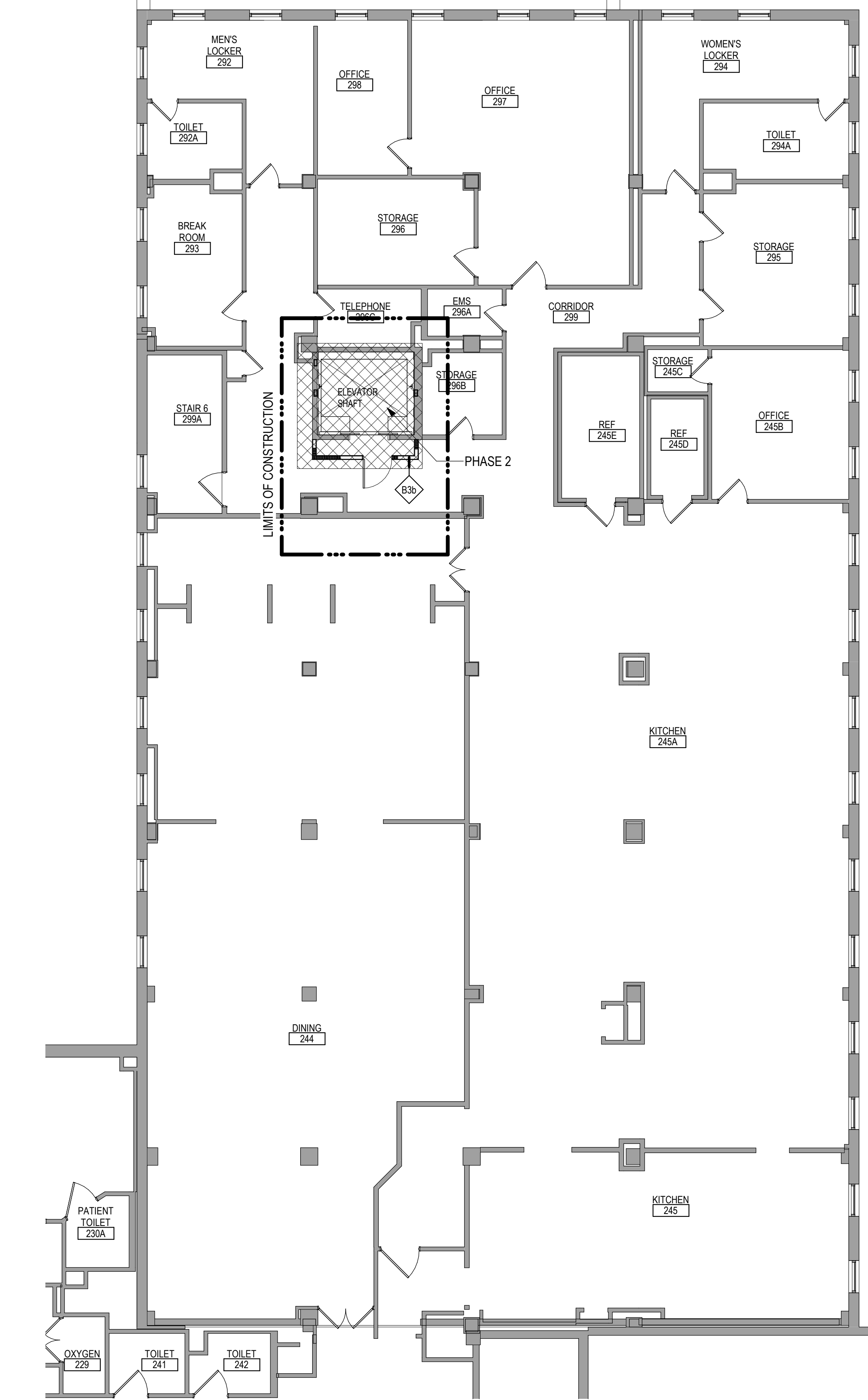
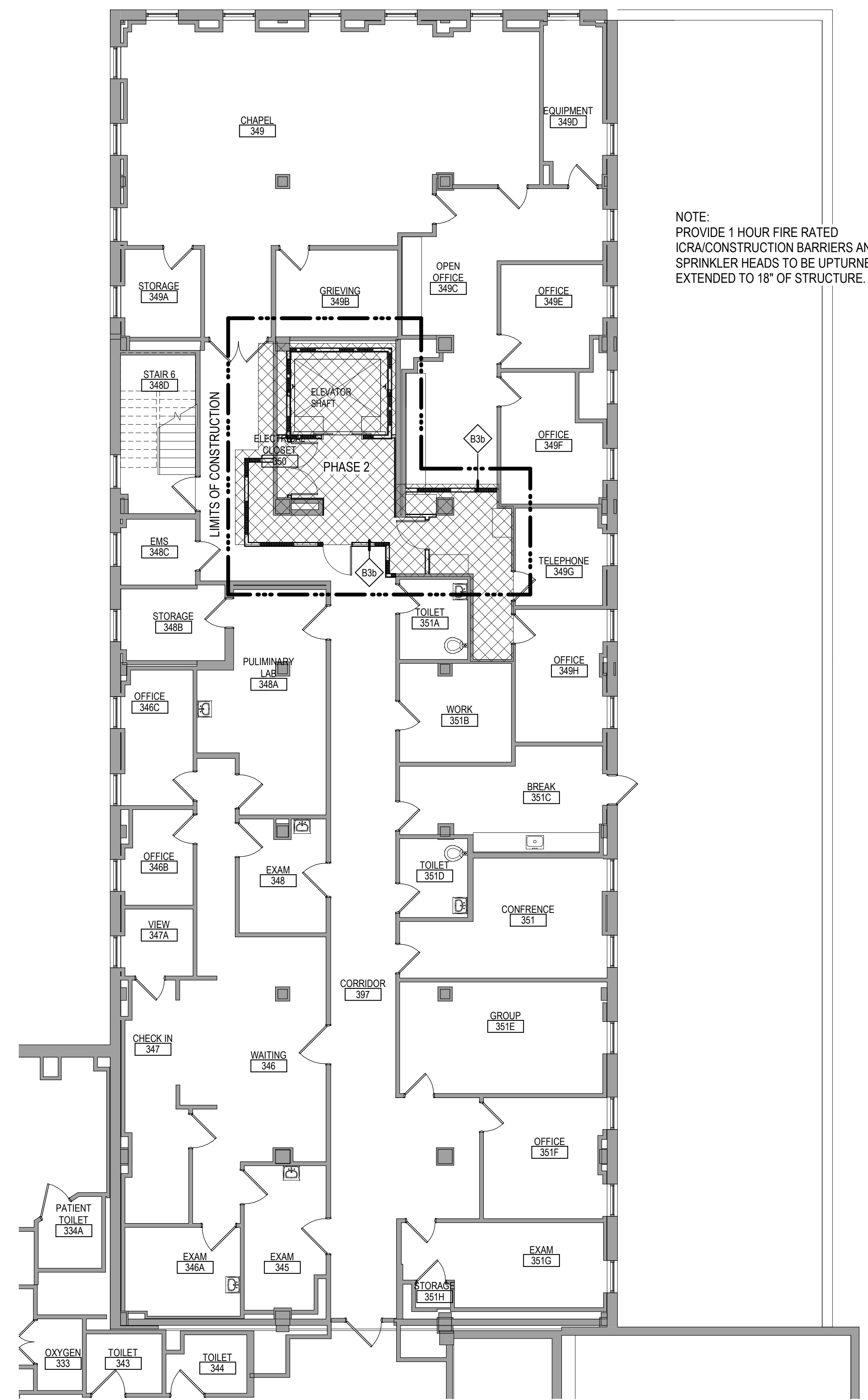
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### INFECTION CONTROL & CONSTRUCTION BARRIER GENERAL NOTES

- SEE SPEC SECTION 01 35 26 SAFETY REQUIREMENTS FOR ADDITIONAL INFORMATION
- THE INTENT OF INFECTION CONTROL ISOLATION IS TO CONTAIN DUST AND PARTICULATE MATTER TO THE CONSTRUCTION AREA. CONSTRUCTION AREA PERIMETER NEEDS TO BE SEALED COMPLETELY WITH SHEET PLASTIC AS SPECIFIED AND DUCT TAPE DURING OPERATIONS, WHERE PERMITTED BY CLASS, ICRA - CONSTRUCTION BARRIER TO BE PROVIDED AS SPECIFIED AND LISTED IN ICRA CLASS.
- PROVIDE NEGATIVE PRESSURE MONITORS DURING CONSTRUCTION OPERATIONS AS SPECIFIED. MONITOR TO MEASURE PRESSURE DIFFERENTIAL BETWEEN CONSTRUCTION AREA AND ADJACENT CORRIDOR OR ROOM AS DIRECTED BY VA.
- AS CONSTRUCTION PROGRESSES, FROM TYPE D TO TYPE C AND THEREON, PROVIDE A REQUEST VIA "INFECTION CONTROL CONSTRUCTION PERMIT" TO THE VA INFECTION CONTROL NURSE. UPON AUTHORIZATION PROCEED TO NEXT TYPE OF CONSTRUCTION. PROVIDE AT LEAST TEN (10) WORKING DAYS NOTICE FOR EACH PERMIT.
- CONSTRUCT IC (INFECTION CONTROL) CONSTRUCTION BARRIERS FROM FLOOR TO DECK/FLOOR ABOVE. EXCEPTION: IF BARRIER IS ADJACENT TO SMOKE, FIRE, OR EXISTING WALL CONSTRUCTION WHICH WILL NOT BE DEMOLISHED AND TERMINATES TO FLOOR/CEILING ABOVE, THEN CONSTRUCT DUST PROOF BARRIER. SEE DETAILS (S), TAPE, MUD, SAND JOINTS AND PART ON NON-CONSTRUCTION SIDE OF BARRIER.
- CONTROL BARRIERS ARE TO BE INSTALLED AND REMOVED ONLY BEFORE 7:00 A.M. AND AFTER 8:00 P.M.
- DURING CONSTRUCTION OPERATIONS IN EACH ENCLOSED AREA PROVIDE NEGATIVE PRESSURE MONITORS (MINIMUM (1) ONE IN AREAS LESS THAN 1000 SF, (2) TWO MINIMUM IN AREAS BETWEEN 1000 SF AND 5000 SF, AND (3) THREE FOR AREAS BETWEEN 5000 SF AND 10000 SF.
- LIFE SAFETY EGRESS IS TO BE MAINTAINED AT ALL TIMES.
- THE CONTRACTOR SHALL PROVIDE ENOUGH NEGATIVE AIR MACHINES TO COMPLETELY EXCHANGE THE REGULATED AREA AIR VOLUME 41 FOUR ACTUAL TIMES PER HOUR. THE COMPETENT PERSON SHALL DETERMINE THE NUMBER OF UNITS NEEDED FOR EACH REGULATED AREA BY DIVIDING THE CUBIC FEET IN THE REGULATED AREA BY (15) FIFTEEN AND THEN DIVIDING THAT RESULT BY THE ACTUAL CUBIC FEET PER MINUTE (CFM) FOR EACH UNIT TO DETERMINE THE NUMBER OF UNITS NEEDED TO EFFECT (1) FOUR AIR CHANGES PER HOUR. PROVIDE A STANDBY UNIT IN THE EVENT OF MACHINE FAILURE AND/OR EMERGENCY IN AN ADJACENT AREA.
- PRIOR TO ANY REMOVAL OF SMOKE BARRIER FIRE RATED PARTITIONS, CONSTRUCT NEW SMOKE BARRIER APPROPRIATE FIRE RATED PARTITIONS PER PLAN OR CONSTRUCT INFECTION CONTROL BARRIER TO ACT AS SMOKE BARRIER.

### CONSTRUCTION PHASING GENERAL NOTES

- THE WORK UNDER THIS CONTRACT SHALL BE DIVIDED INTO PHASES. A PHASE CAN INVOLVE MULTIPLE LOCATION AREAS. SEE SPECIFICATIONS SECTION 01 00 1.6 G PHASING.
- THE GENERAL CONTRACTOR SHALL COORDINATE ALL PHASING AND SEQUENCING WITH ALL TRADES AND THE OWNER. THE GENERAL CONTRACTOR SHALL PROVIDE A WRITTEN NARRATIVE TO OUTLINE CONSTRUCTION PHASING AND SEQUENCE PLANS, VALIDATING AND ELABORATING ON THIS PHASING DESCRIPTION.
- THE GENERAL CONTRACTOR SHALL COOPERATE FULLY WITH THE OWNER SO WORK MAY BE CARRIED OUT SMOOTHLY, WITHOUT INTERFERING WITH OR DELAYING WORK UNDER THIS CONTRACT, OR OTHER CONTRACTS ON THE PROJECT SITE OR WORK BY OWNER.
- THE GENERAL CONTRACTORS CONSTRUCTION SCHEDULE SHALL INDICATE THE SEQUENCE, COMMENCEMENT AND COMPLETION DATES, OWNER INSPECTION AND APPROVAL DATES AND MOVE-OUT AND MOVE-IN DATES OF OWNERS PERSONNEL FOR ALL PHASES OF THE WORK.
- THE GENERAL CONTRACTOR SHALL PERFORM THE WORK IN EACH PHASE IN THE SEQUENCE SHOWN ON THE PHASING PLAN DRAWINGS AND CONSTRUCTION PHASING DESCRIPTION.
- THE GENERAL CONTRACTOR MUST COMPLETE ALL WORK IN EACH PHASE WITH THE VA INSPECTING AND ACCEPTING THE WORK PRIOR TO VA OCCUPANCY AND THE CONTRACTOR PROCEEDING TO THE NEXT SCHEDULED PHASE. UPON COMPLETION OF A PARTICULAR PHASE, THE ENTIRE AREA COVERED BY THAT PHASE CAN BE OCCUPIED BY THE VA PERSONNEL WITH ALL SYSTEMS FUNCTIONING PROPERLY.
- BEFORE COMMENCING WORK ON EACH SUCCESSIVE PHASE, THE GENERAL CONTRACTOR SHALL SUBMIT AN UPDATED COPY OF THE SCHEDULE.
- ANY DUST PARTITIONS CONSTRUCTED BY THE CONTRACTOR PRIOR TO THE START OF DEMOLITION MUST REMAIN IN PLACE UNTIL THE COMPLETION OF THAT PHASE OR SUBSEQUENT PHASE WHERE REQUIRED.
- THE CONTRACTOR SHALL PERFORM ALL WORK ADJACENT TO VA OCCUPIED AREAS IN SUCH A MANNER TO ENSURE THE CONTINUOUS AND UNINTERRUPTED USE OF ALL OCCUPIED AREAS, INCLUDING THE APPLICABLE MECHANICAL AND ELECTRICAL SYSTEMS SERVING THESE AREAS.
- FOR ADDITIONAL NOTES AND INFORMATION REFER TO INFECTION CONTROL DRAWINGS (S) AND DEMOLITION PLANS.
- ANY INFORMATION REGARDING SEQUENCING PROVIDED IN THE DOCUMENTS IS FOR ARCHITECT-OWNER PLANNING PURPOSES ONLY.
- THE CONTRACTOR DURING CONSTRUCTION SHALL MAINTAIN REQUIRED MEANS OF EGRESS THROUGHOUT ALL PHASING.
- THE CONTRACTOR SHALL PLAN FOR A MINIMUM OF 4 WEEKS TIME BETWEEN PHASES TO ALLOW THE VA TO OCCUPY THE NEWLY ACCEPTED SPACE AND VACATE THE FOLLOW-ON PHASES. THE VA WILL ACCELERATE THIS TIME WHEN POSSIBLE AND WILL NOTIFY THE CONTRACTOR IF THIS OCCURS.



NOTE: PROVIDE 1 HOUR FIRE RATED ICRA/CONSTRUCTION BARRIERS AND MODIFY SPRINKLER HEADS TO BE UPTURNED AND EXTENDED TO 18" OF STRUCTURE.

NOTE: PROVIDE 1 HOUR FIRE RATED ICRA/CONSTRUCTION BARRIERS AND MODIFY SPRINKLER HEADS TO BE UPTURNED AND EXTENDED TO 18" OF STRUCTURE.

### CONSTRUCTION INFECTION CONTROL RISK ASSESSMENT (ICRA)

TYPE	DESCRIPTION	RISK GROUP	MEASURES
TYPE A	INSPECTIONS AND NON-INVASIVE ACTIVITIES. INCLUDES, BUT NOT LIMITED TO, REMOVAL OF CEILING TILES FOR VISUAL INSPECTION LIMITED TO 1 TILE PER 50 SQUARE FEET, PAINTING BUT NOT SANDING WALL COVERING, ELECTRICAL TRIM WORK, MINOR PLUMBING, AND ACTIVITIES WHICH DO NOT GENERATE DUST OR REQUIRE CUTTING OF WALLS OR ACCESS TO CEILING OTHER THAN FOR VISUAL INSPECTION.	GROUP 1 LOW RISK	<ul style="list-style-type: none"> <li>MECHANICAL SPACES: AREAS NOT DIRECTLY ADJACENT TO PATIENT CARE, INCLUDING INTERSTITIAL SPACES.</li> <li>ENGINEERING OR EMS OFFICE/WORK AREAS</li> <li>OFFICE AREAS NOT ATTACHED TO ADJOINING PATIENT CARE AREAS, NOT USED FOR PATIENT INTERVIEWS, EVALUATIONS OR EXAMINATIONS.</li> <li>PUBLIC CORRIDORS: SPACES NOT ON OR DIRECTLY ATTACHED TO PATIENT UNITS OR TREATMENT LOCATIONS.</li> </ul>
TYPE B	SMALL SCALE, SHORT DURATION ACTIVITIES WHICH CREATE MINIMAL DUST. INCLUDES BUT IS NOT LIMITED TO, INSTALLATION OF TELEPHONE AND COMPUTER CABLES, ACCESS TO CHASE SPACES, CLIPPING OF WALLS OR CEILING WHERE DUST MIGRATION CAN BE CONTROLLED, FLOOR COVERING REMOVAL (WITHOUT SANDING OR GRINDING).	GROUP 2 MEDIUM RISK	<ul style="list-style-type: none"> <li>OUTPATIENT AREAS:                             <ol style="list-style-type: none"> <li>PRIMARY CARE OR SPECIALTY CARE CLINIC AREAS</li> <li>BEHAVIORAL/MENTAL HEALTH AREAS</li> <li>EXTENDED CARE / REHAB CLINIC AREAS</li> <li>COMMUNITY BASED OUT PATIENT CLINICS (CBOS)</li> </ol> </li> </ul>
TYPE C	ANY WORK THAT GENERATES A MODERATE TO HIGH LEVEL OF DUST OR REQUIRES DEMOLITION OR REMOVAL OF ANY FIXED BUILDING COMPONENTS OR ASSEMBLIES. INCLUDES, BUT IS NOT LIMITED TO, SANDING OF WALLS FOR PAINTING OR WALLCOVERING, REMOVAL OF FLOOR COVERINGS, CEILING TILES AND CASEWORK, NEW WALL CONSTRUCTION, MINOR DUCTWORK OR ELECTRICAL WORK ABOVE CEILING, MAJOR CABLING ACTIVITIES, AND ANY ACTIVITY WHICH CANNOT BE COMPLETED WITHIN A SINGLE WORK SHIFT, FLOORCOVERING REMOVAL (WITH SANDING OR GRINDING).	GROUP 3 HIGH RISK	<ul style="list-style-type: none"> <li>IN-PATIENT UNITS:                             <ul style="list-style-type: none"> <li>INCLUDING, BUT NOT LIMITED TO: EMERGENCY DEPT., NURSING UNITS, RADIOLOGY/IM/CT/ULTRASOUND, NUCLEAR MEDICINE, CAFETERIA/NITROGEN CANTEN, LABORATORIES, RADIATION / ONCOLOGY, DIALYSIS</li> </ul> </li> </ul>
TYPE D	MAJOR DEMOLITION AND CONSTRUCTION PROJECTS. INCLUDES, BUT IS NOT LIMITED TO, ACTIVITIES WHICH REQUIRE CONSECUTIVE WORK SHIFTS, REQUIRE HEAVY DEMOLITION OR REMOVAL OF A COMPLETE CEILING SYSTEM, FLOORING AND NEW CONSTRUCTION.	GROUP 4 HIGHEST RISK	<ul style="list-style-type: none"> <li>ICUS/ICU</li> <li>ORIPAC/ENDOSCOPY</li> <li>STERILE PROCESSING SERVICES (SPS)</li> <li>PHARMACY</li> <li>CATH LAB</li> </ul>
CLASS I	<ol style="list-style-type: none"> <li>KEEP AREAS FREE OF DEBRIS, TRASH</li> <li>EXECUTE WORK TO MINIMIZE OF DUST MIGRATION (E.G. WET MOPPING, HEPA VACUUM)</li> <li>IMMEDIATELY REPLACE ANY CEILING TILE DISPLACED FOR VISUAL INSPECTION (INVOLVING MINOR DEMOLITION IN MAINTENANCE OR REMODELING.)</li> </ol>		
CLASS II	<p>SAME AS CLASS I PLUS:</p> <ol style="list-style-type: none"> <li>ESTABLISH MATERIAL AND DEBRIS ROUTE USING NON-PATIENT/VISITOR PATHWAY</li> <li>WATER MIST WORK SURFACE TO CONTROL DUST WHILE CUTTING OR DRILLING.</li> <li>BLOCK OFF AND SEAL AIR VENTS</li> <li>SEAL UNUSED DOORS WITH PLASTIC SHEATHING AND DUCT TAPE.</li> <li>CREATE BARRIERS AS DEFINED BY INFECTION PREVENTION</li> <li>CONTAIN CONSTRUCTION WASTE BEFORE TRANSPORT IN TIGHTLY COVERED CONTAINER, TAPE COVERING UNLESS SOLID LID.</li> <li>WET MOP AND/OR VACUUM WITH HEPA FILTERED VACUUM BEFORE LEAVING WORK AREA.</li> <li>PLACE STICKY MAT AT ALL WORK AREA ENTRANCES AND EXITS.</li> <li>REMOVE OR ISOLATE HVAC SYSTEM IN CONSTRUCTION AREA.</li> </ol>		
CLASS III	<p>SAME AS CLASS I AND II PLUS:</p> <ol style="list-style-type: none"> <li>ISOLATE HVAC SYSTEM IN CONSTRUCTION AREA TO PREVENT DUCT SYSTEM CONTAMINATION</li> <li>COMPLETE CRITICAL BARRIERS (I.E. SHEETROCK, PLYWOOD, PLASTIC) AT ALL CONSTRUCTION ENTRIES AND EXITS, MONITOR FOR SEAL AND TAKE IMMEDIATE CORRECTIVE ACTION AS NEEDED</li> <li>MAINTAIN AND MONITOR NEGATIVE AIR PRESSURE WITHIN CONSTRUCTION SITE UTILIZING HEPA EQUIPPED AIR FILTRATION UNITS.</li> <li>REMOVE OR ISOLATE HVAC SYSTEMS IN AREA WHERE WORK IS BEING PERFORMED.</li> <li>CHECK AND REPLACE AIR FILTERS AS NEEDED REGULARLY.</li> <li>DO NOT REMOVE BARRIERS FROM WORK SITE UNTIL PROJECT IS COMPLETE &amp; HAS BEEN THOROUGHLY CLEANED; REMOVE BARRIERS CAREFULLY TO MINIMIZE SPREADING DUST/DEBRIS.</li> <li>VACUUM WORK WITH HEPA FILTERED VACUUM.</li> <li>WET MOP AREA WITH CLEANER/DISINFECTANT.</li> <li>MITIGATE VIBRATION AND NOISE TO LOWEST IMPACT WHERE POSSIBLE.</li> <li>DISPLAY ICRA AT SITE</li> <li>SEAL HOLES, PIPES, CONDUITS AND PLUNCTURES.</li> </ol>		
CLASS IV	<p>SAME AS CLASS I, II AND III PLUS:</p> <ol style="list-style-type: none"> <li>INSPECT ADJACENT AREAS FOR DUST MIGRATION; TAKE IMMEDIATE CORRECTIVE AS NEEDED</li> <li>USE HEPA VACUUM IN AREA PRIOR TO START OF CONSTRUCTION</li> <li>CONSTRUCT ANTE ROOM; ALL PERSONNEL MUST ENTER THROUGH IT TO BE VACUUMED USING HEPA VACUUM BEFORE LEAVING OR TO DON/DOFF PPE</li> </ol>		

2 THIRD FLOOR ICRA, CONSTRUCTION BARRIER & PHASING PLAN  
1/8" = 1'-0"

1 SECOND FLOOR ICRA, CONSTRUCTION BARRIER & PHASING PLAN  
1/8" = 1'-0"

### INFECTION CONTROL RISK ASSESSMENT (ICRA) BY PROJECT AREA USE AND PHASE

PHASE 1:  
CONSTRUCTION PROJECT ACTIVITY TYPE - C  
INFECTION CONTROL RISK GROUP - GROUP 2; MEDIUM RISK  
CONTROL PROCEDURE CLASS - III

PHASE 2:  
CONSTRUCTION PROJECT ACTIVITY TYPE - C  
INFECTION CONTROL RISK GROUP - GROUP 3; HIGH RISK  
CONTROL PROCEDURE CLASS - III

Revisions: _____ Date: _____	<b>CONSULTANT</b> 	<b>ARCHITECT/ENGINEER OF RECORD</b> <p>13605 1st Ave. N. #100 Plymouth, MN 55441                  P 763.412.4000   F 763.412.4090   ae-mn.com                  Anderson Engineering of Minnesota, LLC   Proj # 15622</p>	STAMP 	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title <b>SECOND &amp; THIRD LEVEL ICRA, CONSTRUCTION BARRIER &amp; PHASING PLAN - BUILDING 5</b>	Phase <b>CONSTRUCTION DOCUMENTS</b> FULLY SPRINKLERED	Project Title <b>RENOVATE OLD CHAPEL AND AUDITORIUM</b>	Project Number <b>438-19-301</b>
					Approved: _____	Location Sioux Falls, SD	Issue Date 05/15/2020	Checked --

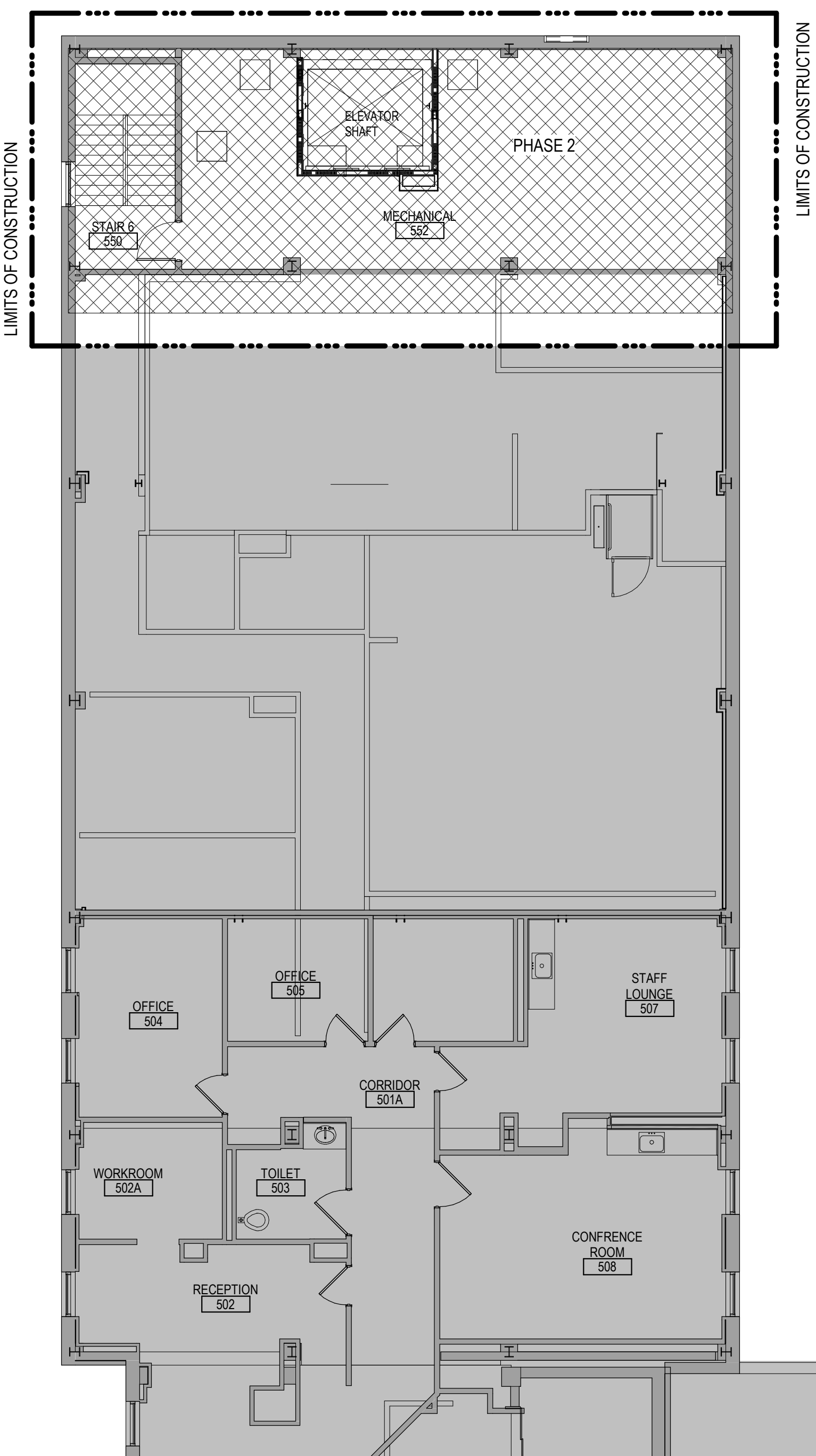
### INFECTION CONTROL & CONSTRUCTION BARRIER GENERAL NOTES

- SEE SPEC SECTION 01 35 26 SAFETY REQUIREMENTS FOR ADDITIONAL INFORMATION
- THE INTENT OF INFECTION CONTROL ISOLATION IS TO CONTAIN DUST AND PARTICULATE MATTER TO THE CONSTRUCTION AREA. CONSTRUCTION AREA PERIMETER NEEDS TO BE SEALED COMPLETELY WITH SHEET PLASTIC AS SPECIFIED AND DUCT TAPE DURING OPERATIONS, WHERE PERMITTED BY CLASS. ICRA - CONSTRUCTION BARRIER TO BE PROVIDED AS SPECIFIED AND LISTED IN ICRA CLASS.
- PROVIDE NEGATIVE PRESSURE MONITORS DURING CONSTRUCTION OPERATIONS AS SPECIFIED. MONITOR TO MEASURE PRESSURE DIFFERENTIAL BETWEEN CONSTRUCTION AREA AND ADJACENT CORRIDOR OR ROOM AS DIRECTED BY VA.
- AS CONSTRUCTION PROGRESSES, FROM TYPE D TO TYPE C AND THEREON, PROVIDE A REQUEST VIA "INFECTION CONTROL CONSTRUCTION PERMIT" TO THE VA INFECTION CONTROL NURSE. UPON AUTHORIZATION, PROCEED TO NEXT TYPE OF CONSTRUCTION. PROVIDE AT LEAST TEN (10) WORKING DAYS NOTICE FOR EACH PERMIT.
- CONSTRUCT IC (INFECTION CONTROL) CONSTRUCTION BARRIER(S) FROM FLOOR TO DECK/FLOOR ABOVE. EXCEPTION: IF BARRIER IS ADJACENT TO SMOKE, FIRE, OR EXISTING WALL CONSTRUCTION WHICH WILL NOT BE DEMOLISHED AND TERMINATES TO FLOOR/CEILING ABOVE, THEN CONSTRUCT AS PER DETAIL(S), TAPE, MUD, SAND JOINTS AND PAINT ON NON-CONSTRUCTION SIDE OF BARRIER.
- CONTROL BARRIERS ARE TO BE INSTALLED AND REMOVED ONLY BEFORE 7:00 A.M. AND AFTER 8:00 P.M.
- DURING CONSTRUCTION OPERATIONS IN EACH ENCLOSED AREA PROVIDE NEGATIVE PRESSURE MONITORS. MINIMUM (1) ONE IN AREAS LESS THAN 1000 SF, (2) TWO MINIMUM IN AREAS BETWEEN 1000 SF AND 3000 SF, AND (3) THREE FOR AREAS BETWEEN 3000 SF AND 10000 SF.
- LIFE SAFETY EGRESS IS TO BE MAINTAINED AT ALL TIMES.
- THE CONTRACTOR SHALL PROVIDE ENOUGH NEGATIVE AIR MACHINES TO COMPLETELY EXCHANGE THE REGULATED AREA AIR VOLUME (4) FOUR ACTUAL TIMES PER HOUR. THE COMPETENT PERSON SHALL DETERMINE THE NUMBER OF UNITS NEEDED FOR EACH REGULATED AREA BY DIVIDING THE CUBIC FEET IN THE REGULATED AREA BY (15) FIFTEEN AND THEN DIVIDING THAT RESULT BY THE ACTUAL CUBIC FEET PER MINUTE (CFM) FOR EACH UNIT TO DETERMINE THE NUMBER OF UNITS NEEDED TO EFFECT (4) FOUR AIR CHANGES PER HOUR. PROVIDE A STANDBY UNIT IN THE EVENT OF MACHINE FAILURE AND/OR EMERGENCY IN AN ADJACENT AREA.
- PRIOR TO ANY REMOVAL OF SMOKE BARRIER FIRE RATED PARTITIONS, CONSTRUCT NEW SMOKE BARRIER APPROPRIATE FIRE RATED PARTITIONS PER PLANS OR CONSTRUCT INFECTION CONTROL BARRIER TO ACT AS SMOKE BARRIER.

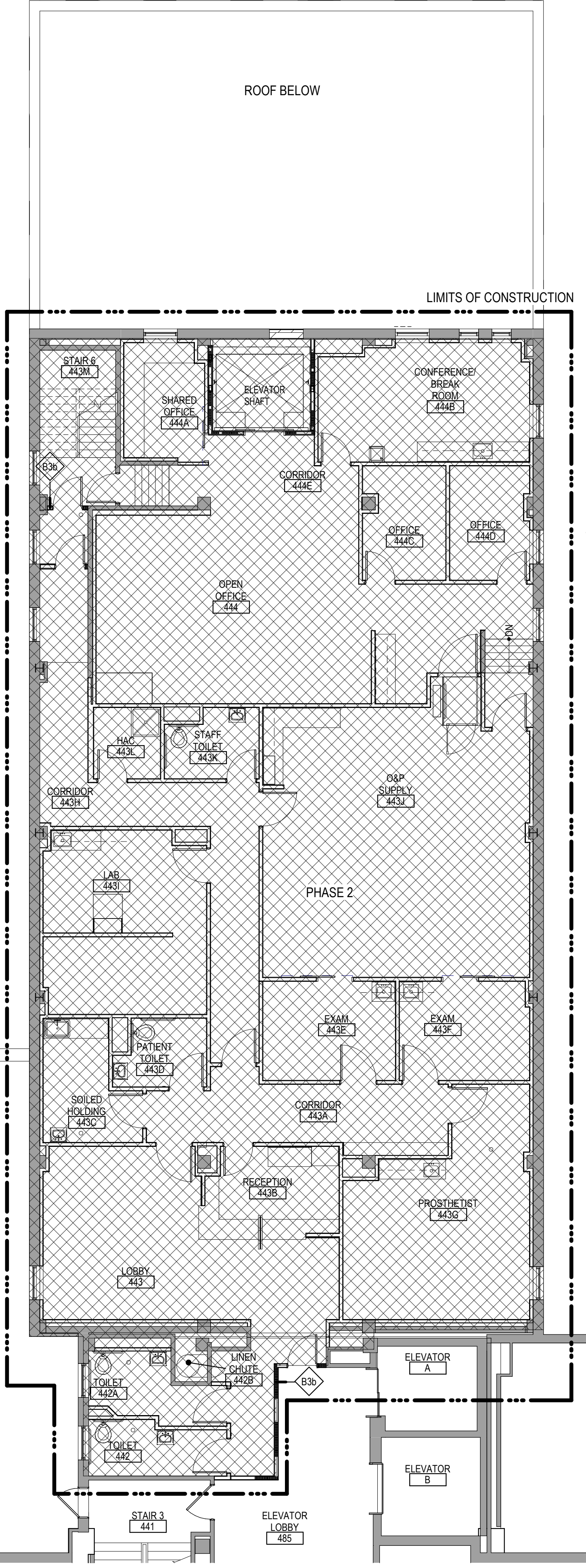
### CONSTRUCTION PHASING GENERAL NOTES

- THE WORK UNDER THIS CONTRACT SHALL BE DIVIDED INTO PHASES. A PHASE CAN INVOLVE MULTIPLE LOCATION AREAS. SEE SPECIFICATIONS SECTION 01 00 01.6.6 PHASING.
- THE GENERAL CONTRACTOR SHALL COORDINATE ALL PHASING AND SEQUENCING WITH ALL TRADES AND THE OWNER. THE GENERAL CONTRACTOR SHALL PROVIDE A WRITTEN NARRATIVE TO OUTLINE CONSTRUCTION PHASING AND SEQUENCE PLANS, VALIDATING AND ELABORATING ON THIS PHASING DESCRIPTION.
- THE GENERAL CONTRACTOR SHALL COOPERATE FULLY WITH THE OWNER SO WORK MAY BE CARRIED OUT SMOOTHLY, WITHOUT INTERFERING WITH OR DELAYING WORK UNDER THIS CONTRACT, OR OTHER CONTRACTS ON THE PROJECT SITE OR WORK BY OWNER.
- THE GENERAL CONTRACTORS CONSTRUCTION SCHEDULE SHALL INDICATE THE SEQUENCE, COMMENCEMENT AND COMPLETION DATES, OWNER INSPECTION AND APPROVAL DATES AND MOVE-OUT AND MOVE-IN DATES OF OWNER'S PERSONNEL FOR ALL PHASES OF THE WORK.
- THE GENERAL CONTRACTOR SHALL PERFORM THE WORK IN EACH PHASE IN THE SEQUENCE SHOWN ON THE PHASING PLAN DRAWING(S) AND CONSTRUCTION PHASING DESCRIPTION.
- THE GENERAL CONTRACTOR MUST COMPLETE ALL WORK IN EACH PHASE WITH THE VA INSPECTING AND ACCEPTING THE WORK PRIOR TO VA OCCUPANCY AND APPROVAL OF A PARTICULAR PHASE. THE ENTIRE AREA COVERED BY THAT PHASE CAN BE OCCUPIED BY THE VA PERSONNEL WITH ALL SYSTEMS FUNCTIONING PROPERLY.
- BEFORE COMMENCING WORK ON EACH SUCCESSIVE PHASE, THE GENERAL CONTRACTOR SHALL SUBMIT AN UPDATED COPY OF THE SCHEDULE.
- ANY DUST PARTITIONS CONSTRUCTED BY THE CONTRACTOR PRIOR TO THE START OF DEMOLITION MUST REMAIN IN PLACE UNTIL THE COMPLETION OF THAT PHASE OR SUBSEQUENT PHASE WHERE REQUIRED.
- THE CONTRACTOR SHALL PERFORM ALL WORK ADJACENT TO VA OCCUPIED AREAS IN SUCH A MANNER TO ENSURE THE CONTINUOUS AND UNINTERRUPTED USE OF ALL OCCUPIED AREAS, INCLUDING THE APPLICABLE MECHANICAL AND ELECTRICAL SYSTEMS SERVING THESE AREAS.
- FOR ADDITIONAL NOTES AND INFORMATION REFER TO INFECTION CONTROL DRAWING(S) AND DEMOLITION PLANS.
- ANY INFORMATION REGARDING SEQUENCING PROVIDED IN THE DOCUMENTS IS FOR ARCHITECT-OWNER PLANNING PURPOSES ONLY.
- THE CONTRACTOR OR DURING CONSTRUCTION SHALL MAINTAIN RECORDED MEANS OF EGRESS THROUGHOUT ALL PHASING.
- THE CONTRACTOR SHALL PLAN FOR A MINIMUM OF 4 WEEKS TIME BETWEEN PHASES TO ALLOW THE VA TO OCCUPY THE NEWLY ACCEPTED SPACE AND VACATE THE FOLLOW-ON PHASES. THE VA WILL ACCELERATE THIS TIME WHEN POSSIBLE AND WILL NOTIFY THE CONTRACTOR IF THIS OCCURS.

NOTE: PROVIDE 1 HOUR FIRE RATED ICRA/CONSTRUCTION BARRIERS AND MODIFY SPRINKLER HEADS TO BE UPTURNED AND EXTENDED TO 18" OF STRUCTURE.



2 FIFTH FLOOR ICRA, CONSTRUCTION BARRIER & PHASING PLAN - BUILDING 5  
1/8" = 1'-0"



1 FOURTH FLOOR ICRA, CONSTRUCTION BARRIER & PHASING PLAN - BUILDING 5  
1/8" = 1'-0"

### CONSTRUCTION INFECTION CONTROL RISK ASSESSMENT (ICRA)

TYPE	DESCRIPTION	RISK GROUP	EXAMPLES
TYPE A	INSPECTIONS AND NON-INVASIVE ACTIVITIES. INCLUDES, BUT NOT LIMITED TO, REMOVAL OF CEILING TILES FOR VISUAL INSPECTION LIMITED TO 1 TILE PER 50 SQUARE FEET. PAINTING BUT NOT SANDING WALL COVERING, ELECTRICAL TRIM WORK, MINOR PLUMBING, AND ACTIVITIES WHICH DO NOT GENERATE DUST OR REQUIRE CUTTING OF WALLS OR ACCESS TO CEILINGS OTHER THAN FOR VISUAL INSPECTION.	GROUP 1 LOW RISK	<ul style="list-style-type: none"> <li>MECHANICAL SPACES: AREAS NOT DIRECTLY ADJACENT TO PATIENT CARE, INCLUDING INTERSTITIAL SPACES.</li> <li>ENGINEERING OR EMS OFFICE/WORK AREAS</li> <li>OFFICE AREAS: AREAS NOT ATTACHED TO ADJACENT PATIENT CARE AREAS, NOT USED FOR PATIENT INTERVIEWS, EVALUATIONS OR EXAMINATIONS.</li> <li>PUBLIC CORRIDORS: SPACES NOT ON OR DIRECTLY ATTACHED TO PATIENT UNITS OR TREATMENT LOCATIONS.</li> </ul>
TYPE B	SMALL SCALE, SHORT DURATION ACTIVITIES WHICH CREATE MINIMAL DUST. INCLUDES, BUT IS NOT LIMITED TO, INSTALLATION OF TELEPHONE AND COMPUTER CABLES, ACCESS TO CHASE SPACES, CUFFING OF WALLS OR CEILING WHERE DUST MIGRATION CAN BE CONTROLLED, FLOOR COVERING REMOVAL (WITHOUT SANDING OR GRINDING).	GROUP 2 MEDIUM RISK	<ul style="list-style-type: none"> <li>OUTPATIENT AREAS:</li> <li>1. PRIMARY CARE OR SPECIALTY CARE CLINIC AREAS</li> <li>2. BEHAVIORAL/MENTAL HEALTH AREAS</li> <li>3. EXTENDED CARE / REHAB CLINIC AREAS</li> <li>4. COMMUNITY BASED OUT PATIENT CLINICS (CBCOS)</li> </ul>
TYPE C	ANY WORK THAT GENERATES A MODERATE TO HIGH LEVEL OF DUST OR REQUIRES DEMOLITION OR REMOVAL OF ANY FIXED BUILDING COMPONENTS OR ASSEMBLIES. INCLUDES, BUT IS NOT LIMITED TO, SANDING OF WALL FOR PAINTING OR WALLCOVERING, REMOVAL OF FLOOR COVERINGS, CEILING TILES AND CASINGWORK, NEW WALL CONSTRUCTION, MINOR DUCTWORK OR ELECTRICAL WORK ABOVE CEILING, MAJOR CABLES ACTIVITIES, AND ANY ACTIVITY WHICH CANNOT BE COMPLETED WITHIN A SINGLE WORK SHIFT, FLOOR COVERING REMOVAL (WITH SANDING OR GRINDING).	GROUP 3 HIGH RISK	<ul style="list-style-type: none"> <li>IN-PATIENT UNITS:</li> <li>1. INCLUDING, BUT NOT LIMITED TO: EMERGENCY DEPT., NURSING UNITS, RADIOLOGY/RITUL/ULTRASOUND, NUCLEAR MEDICINE, CAFETERIA/KITCHEN/CANTEEN, LABORATORIES, RADIATION / ONCOLOGY, DIALYSIS</li> </ul>
TYPE D	MAJOR DEMOLITION AND CONSTRUCTION PROJECTS. INCLUDES, BUT IS NOT LIMITED TO, ACTIVITIES WHICH REQUIRE CONSECUTIVE WORK SHIFTS, REQUIRE HEAVY DEMOLITION OR REMOVAL OF A COMPLETE CEILING SYSTEM, FLOORING AND NEW CONSTRUCTION.	GROUP 4 HIGHEST RISK	<ul style="list-style-type: none"> <li>ICUS/ICU</li> <li>OROPHARYNGOSCOPY</li> <li>GI</li> <li>STERILE PROCESSING SERVICES (SPS)</li> <li>PHARMACY</li> <li>CATH LAB</li> </ul>
CLASS I	1. KEEP AREAS FREE OF DEBRIS, TRASH 2. EXECUTE WORK TO MINIMIZE DUST MIGRATION (E.G. WET MOPPING, HEPA VACUUM) 3. IMMEDIATELY REPLACE ANY CEILING TILE DISPLACED FOR VISUAL INSPECTION (INVOLVING MINOR DEMOLITION IN MAINTENANCE OR REMODELING)		
CLASS II	SAME AS CLASS I PLUS: 1. ESTABLISH MATERIAL AND DEBRIS ROUTE USING NON-PATIENT/VISITOR PATHWAY 2. WATER MIST WORK SURFACE TO CONTROL DUST WHILE CUTTING OR DRILLING 3. BLOCK OFF AND SEAL AIR VENTS 4. SEAL UNUSED DOORS WITH PLASTIC SHEATHING AND DUCT TAPE. 5. CREATE BARRIERS AS DEFINED BY INFECTION PREVENTION 6. CONTAIN CONSTRUCTION WASTE BEFORE TRANSPORT IN TIGHTLY COVERED CONTAINER, TAPE COVERING UNLESS SOLID LID. 7. WET MOP AND/OR VACUUM WITH HEPA FILTERED VACUUM BEFORE LEAVING WORK AREA. 8. PLACE STICKY MAT AT ALL WORK AREA ENTRANCES AND EXITS. 9. REMOVE OR ISOLATE HVAC SYSTEM IN CONSTRUCTION AREA.		
CLASS III	SAME AS CLASS I AND II PLUS: 1. ISOLATE HVAC SYSTEM IN CONSTRUCTION AREA TO PREVENT DUCT SYSTEM CONTAMINATION 2. COMPLETE CRITICAL BARRIERS (I.E. SHEETROCK, PLYWOOD, PLASTIC) AT ALL CONSTRUCTION ENTRIES AND EXITS; MONITOR FOR SEAL AND TAKE IMMEDIATE CORRECTIVE ACTION AS NEEDED 3. MAINTAIN AND MONITOR NEGATIVE AIR PRESSURE WITHIN CONSTRUCTION SITE UTILIZING HEPA EQUIPPED AIR FILTRATION UNITS. 4. REMOVE OR ISOLATE HVAC SYSTEMS IN AREA WHERE WORK IS BEING PERFORMED. 5. CHECK AND REPLACE AIR FILTERS AS NEEDED REGULARLY 6. DO NOT REMOVE BARRIERS FROM WORK SITE UNTIL PROJECT IS COMPLETE & HAS BEEN THOROUGHLY CLEANED; REMOVE BARRIERS CAREFULLY TO MINIMIZE SPREADING DUST/DEBRIS. 7. VACUUM WORK WITH HEPA FILTERED VACUUM 8. WET MOP AREA WITH CLEANER/DISINFECTANT 9. MITIGATE VIBRATION AND NOISE TO LOWEST IMPACT WHERE POSSIBLE. 10. DISPLAY ICRA AT SITE 11. SEAL HOLES, PIPES, CONDUITS AND PUNCTURES.		
CLASS IV	SAME AS CLASS I, II AND III PLUS: 1. INSPECT ADJACENT AREAS FOR DUST MIGRATION, TAKE IMMEDIATE CORRECTIVE AS NEEDED 2. USE HEPA VACUUM IN AREA PRIOR TO START OF CONSTRUCTION 3. CONSTRUCT ANTE ROOM; ALL PERSONNEL MUST ENTER THROUGH IT TO BE VACUUMED USING HEPA VACUUM BEFORE LEAVING OR TO DON/DOFF PPE		

### INFECTION CONTROL RISK ASSESSMENT (ICRA) BY PROJECT AREA USE AND PHASE

PHASE 1: CONSTRUCTION PROJECT ACTIVITY: TYPE - C INFECTION CONTROL RISK GROUP - GROUP 2: MEDIUM RISK CONTROL PROCEDURE CLASS - III	PHASE 2: CONSTRUCTION PROJECT ACTIVITY: TYPE - C INFECTION CONTROL RISK GROUP - GROUP 3: HIGH RISK CONTROL PROCEDURE CLASS - III
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Revisions:	Date:

**CONSULTANT**

**FARRIS ENGINEERING**  
OMAHA | LINCOLN | COLORADO SPRINGS | SIOUX FALLS  
farris-usa.com

**ARCHITECT/ENGINEER OF RECORD**

13605 1st Ave. N. #100 Plymouth, MN 55441  
P 763.412.4000 | F 763.412.4090 | ae-mn.com  
Anderson Engineering of Minnesota, LLC | Proj # 15622

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DATE: 05/15/2020  
License # 9335

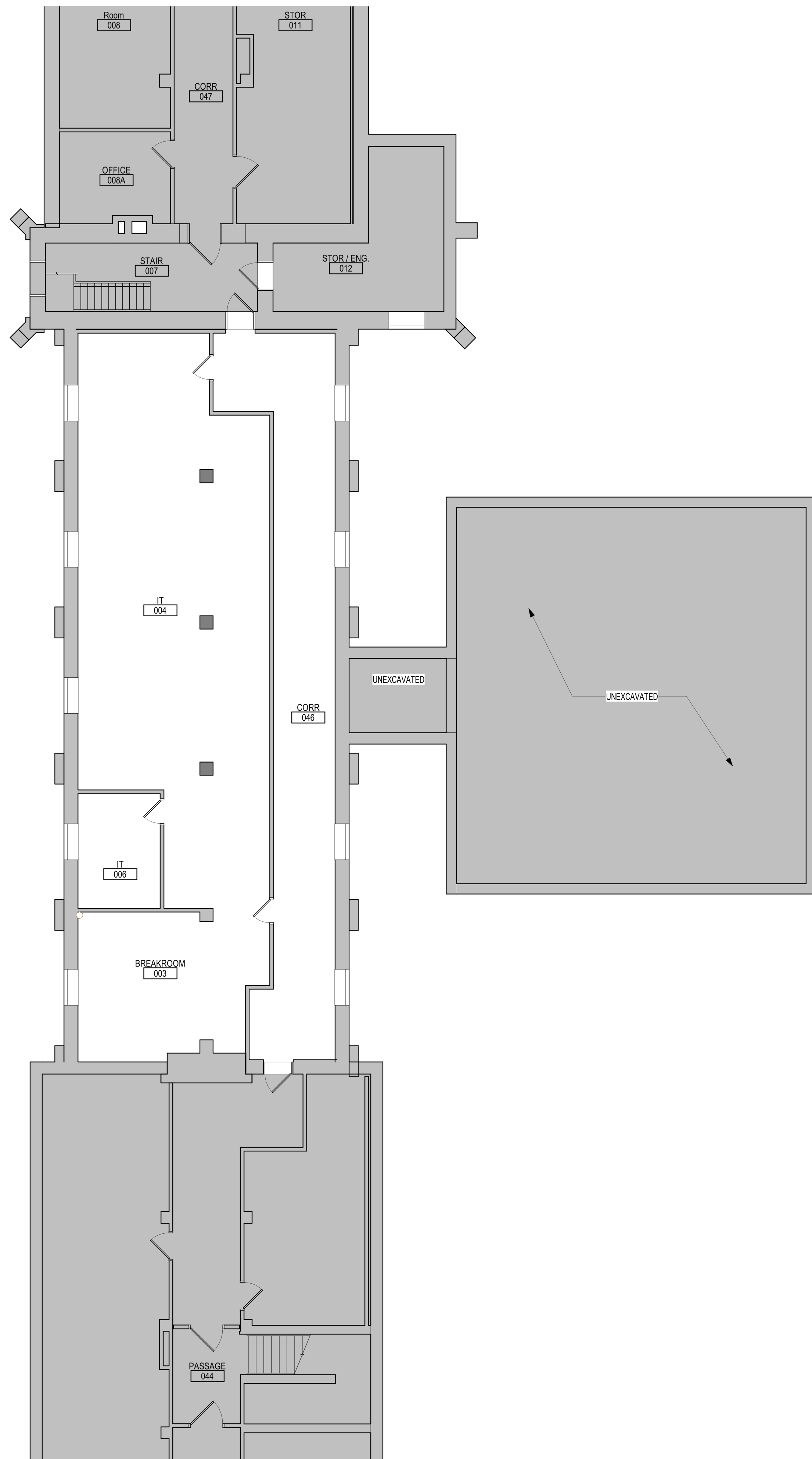
Office of Construction and Facilities Management  
VA U.S. Department of Veterans Affairs

Drawing Title  
**FOURTH & FIFTH LEVEL ICRA, CONSTRUCTION BARRIER & PHASING PLAN - BUILDING 5**

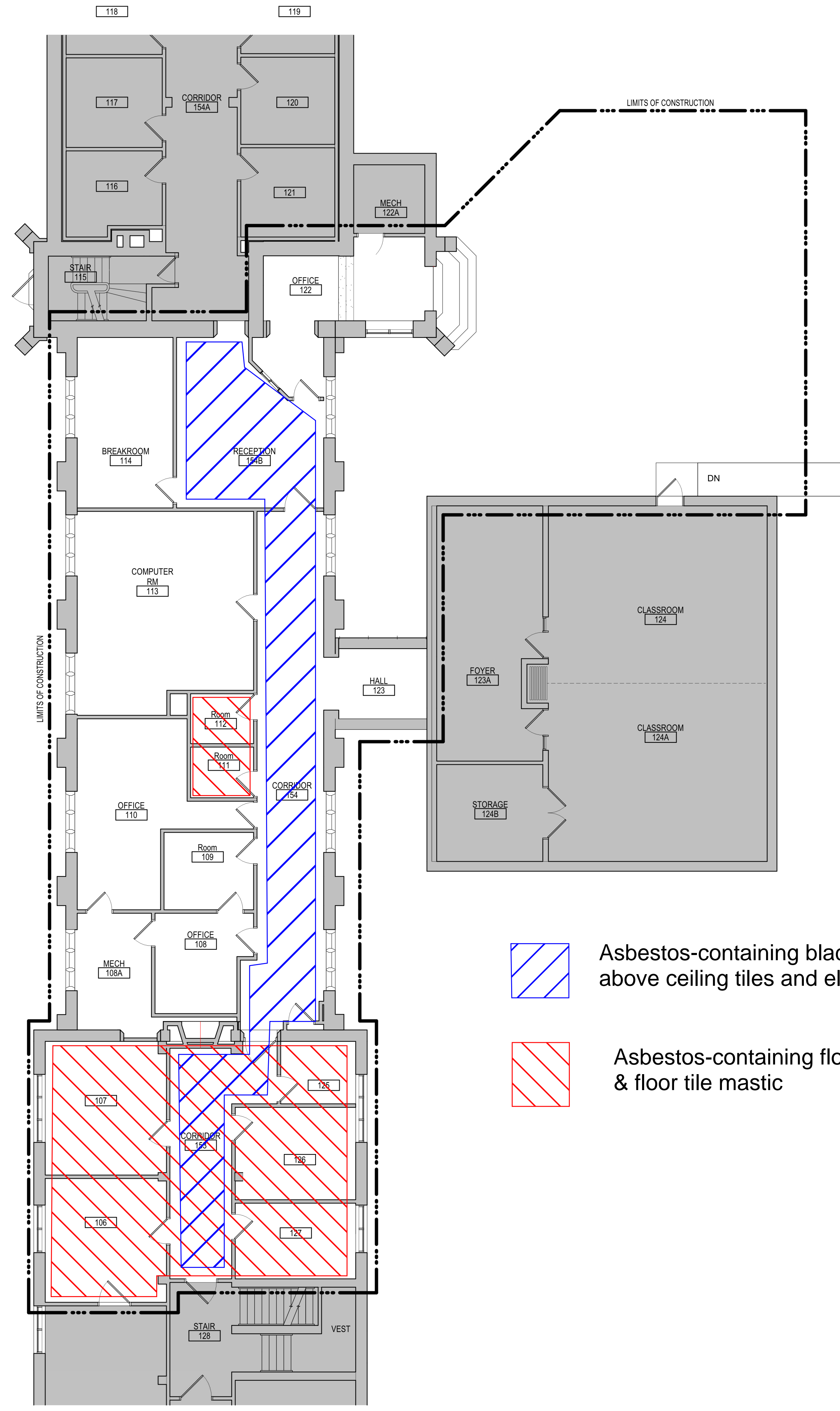
Approved:

Phase <b>CONSTRUCTION DOCUMENTS</b>	Project Title <b>RENOVATE OLD CHAPEL AND AUDITORIUM</b>	Project Number <b>438-19-301</b>
FULLY SPRINKLERED	Location <b>Sioux Falls, SD</b>	Building Number <b>1 &amp; 5</b>
Issue Date <b>05/15/2020</b>	Checked <b>--</b>	Drawn <b>GJB</b>
		Drawing Number <b>GC141-05</b>

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1 BASEMENT ABATEMENT REMEDIATION PLAN - BUILDING 1  
1/8" = 1'-0"



2 FIRST FLOOR ABATEMENT REMEDIATION PLAN - BUILDING 1  
1/8" = 1'-0"

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Revisions:	Date:

**CONSULTANT**




13605 1st Ave. N. #100 Plymouth, MN 55441  
P 763.412.4000 | F 763.412.4090 | e-mn.com  
Anderson Engineering of Minnesota, LLC | Proj # 15522

**ARCHITECT/ENGINEER OF RECORD**



13605 1st Ave. N. #100 Plymouth, MN 55441  
P 763.412.4000 | F 763.412.4090 | e-mn.com  
Anderson Engineering of Minnesota, LLC | Proj # 15522

**STAMP**

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

Drawing Title  
**BASEMENT & FIRST FLOOR ABATEMENT REMEDIATION PLANS - BUILDING 1**

Approved:

Phase  
**CONSTRUCTION DOCUMENTS**

FULLY SPRINKLERED

Project Title  
**RENOVATE OLD CHAPEL AND AUDITORIUM**

Location  
Sioux Falls, SD

Issue Date  
05/15/2020

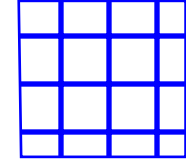
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Drawn  
Author

Project Number  
438-19-301

Building Number  
1 & 5

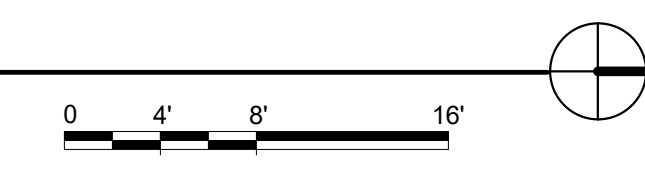
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ASB 101-01

 Asbestos containing electric panels (Assumed)

 Fire door (assumed to contain asbestos)



2 THIRD FLOOR ABATEMENT REMEDIATION PLAN - BUILDING 5  
1/8" = 1'-0"



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Revisions:	Date:

**CONSULTANT**




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

Drawing Title  
**THIRD FLOOR ABATEMENT REMEDIATION PLANS - BUILDING 5**

Approved:

Phase  
**CONSTRUCTION DOCUMENTS**

**FULLY SPRINKLERED**

Project Title  
**RENOVATE OLD CHAPEL AND AUDITORIUM**

Location  
Sioux Falls, SD

Issue Date  
05/15/2020

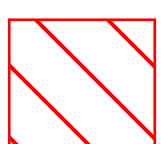
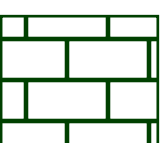
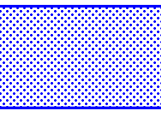

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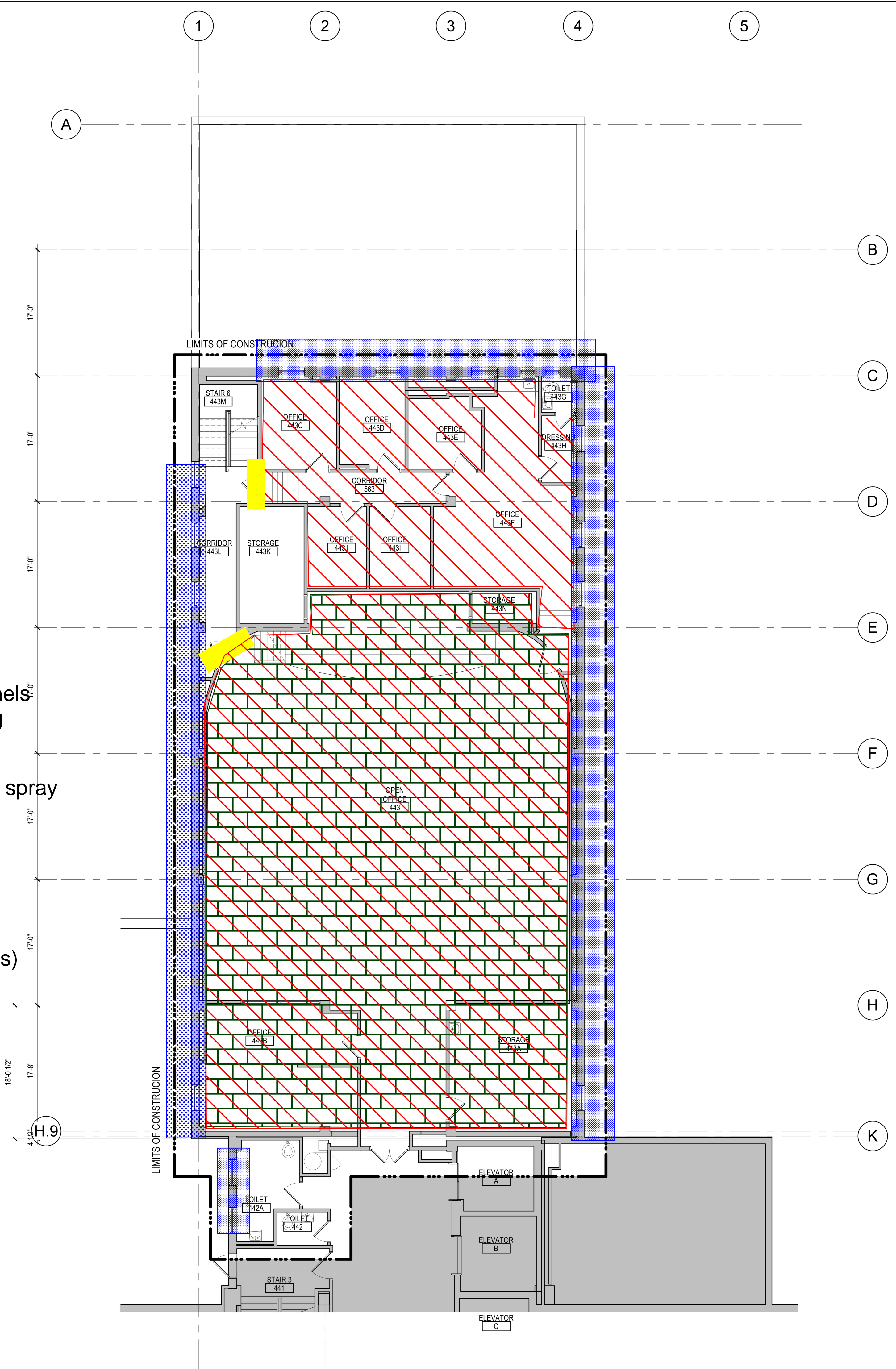
Drawn  
Author

Project Number  
438-19-301

Building Number  
1 & 5

Drawing Number  
**ASB 131-01**

-  Asbestos-containing floor tile, floor tile mastic, sink undercoating, electric panels and black adhesive above drop ceiling
-  Friable asbestos-containing acoustical spray (some debris)
-  Possible Transite behind radiators
-  Fire door (assumed to contain asbestos)



**1** FOURTH FLOOR ABATEMENT REMEDIATION PLAN - BUILDING 5  
1/8" = 1'-0"  
0 4' 8' 16'


Revisions:	Date:

**CONSULTANT**




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**VA** U.S. Department of Veterans Affairs

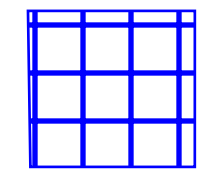
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Approved:

Phase  
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**FULLY SPRINKLERED**

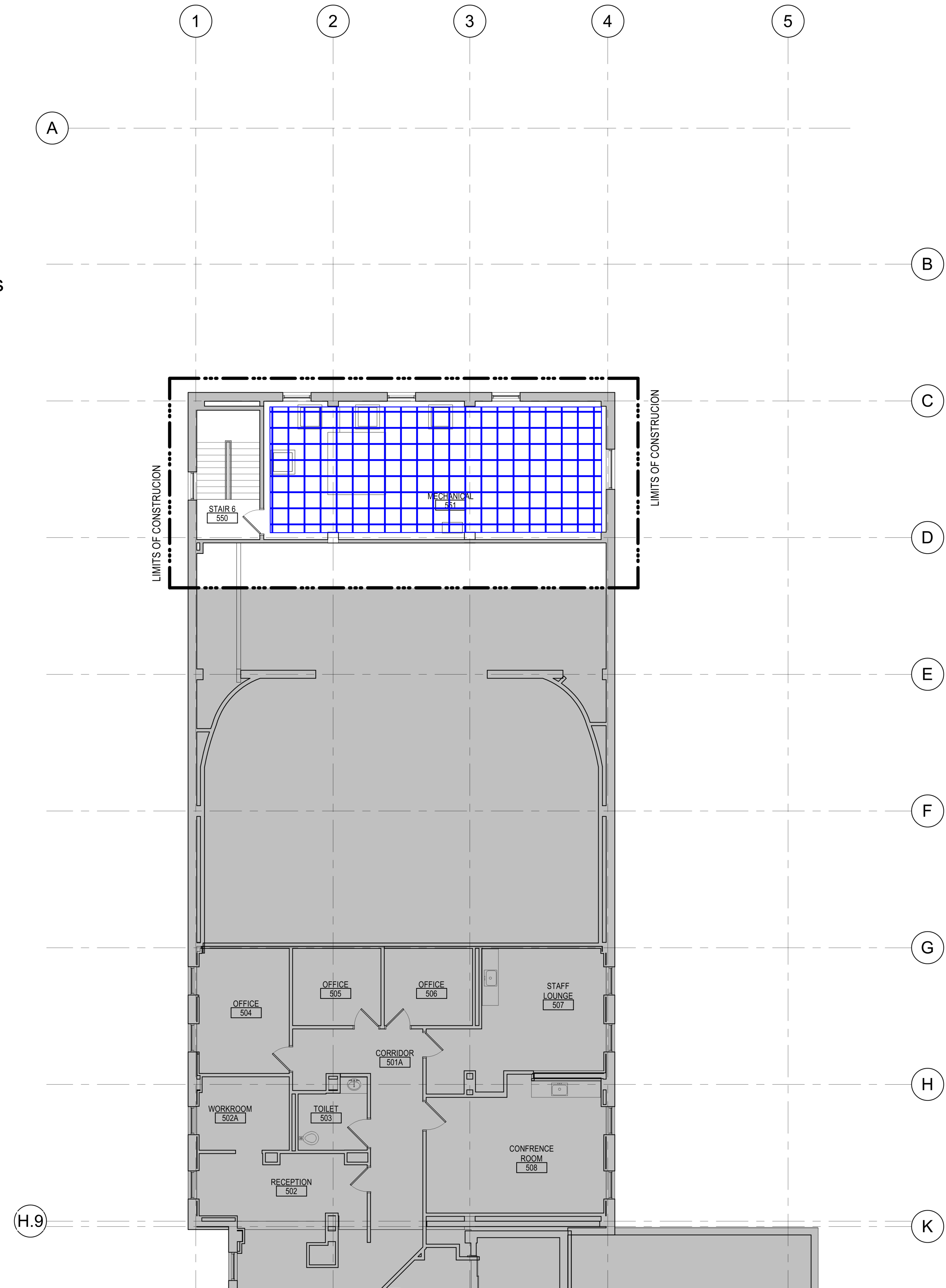
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**RENOVATE OLD CHAPEL AND AUDITORIUM**  
Location  
Sioux Falls, SD  
Issue Date  
05/15/2020  
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Project Number  
438-19-301  
Building Number  
1 & 5  
Drawing Number  
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GJB

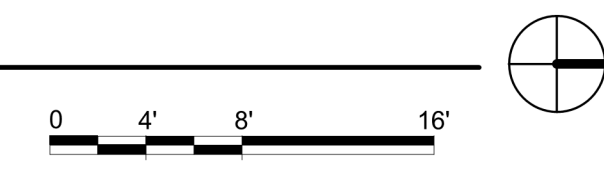
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Asbestos containing electric panels  
(Assumed)



1 FIFTH FLOOR ABATEMENT REMEDIATION PLAN - BUILDING 5  
1/8" = 1'-0"



Revisions:	Date:

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Office of  
Construction  
and Facilities  
Management

U.S. Department  
of Veterans  
Affairs

Drawing Title  
FIFTH FLOOR ABATEMENT  
REMEDATION PLAN - BUILDING 5

Approved:

Phase  
CONSTRUCTION  
DOCUMENTS

FULLY SPRINKLERED

Project Title  
RENOVATE OLD CHAPEL  
AND AUDITORIUM

Location  
Sioux Falls, SD

Issue Date  
05/15/2020

Checked  
Checker

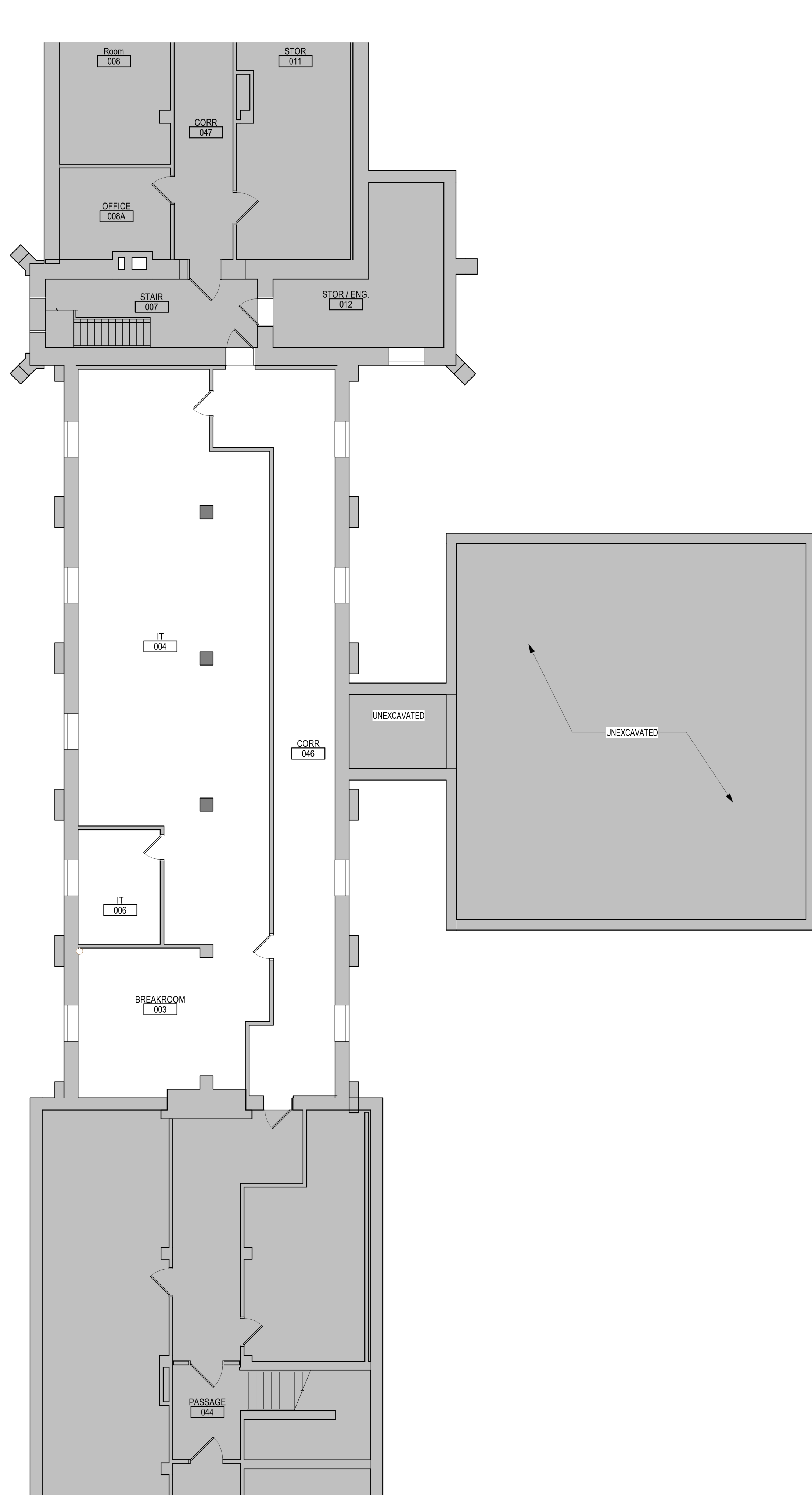
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Project Number  
438-19-301

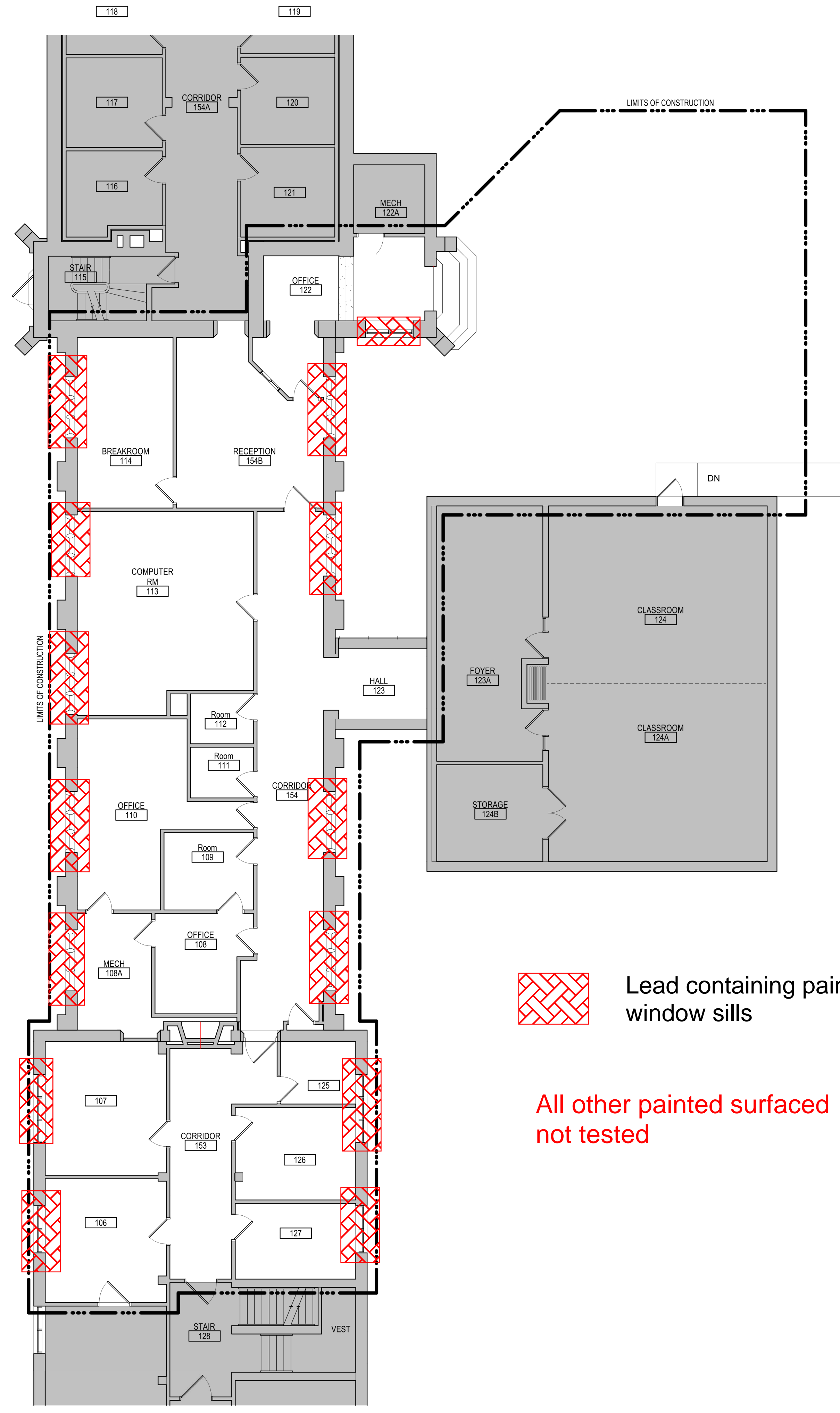
Building Number  
1 & 5

Drawing Number  
ASB 151-05





1 BASEMENT ABATEMENT REMEDIATION PLAN - BUILDING 1  
1/8" = 1'-0"



2 FIRST FLOOR ABATEMENT REMEDIATION PLAN - BUILDING 1  
1/8" = 1'-0"

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

Drawing Title  
**BASEMENT & FIRST FLOOR LEAD ABATEMENT REMEDIATION PLANS - BUILDING 1**

Approved: \_\_\_\_\_

Phase  
**CONSTRUCTION DOCUMENTS**

**FULLY SPRINKLERED**

Project Title  
**RENOVATE OLD CHAPEL AND AUDITORIUM**

Location  
Sioux Falls, SD

Issue Date  
05/15/2020

Checked  
Checker

Drawn  
Author

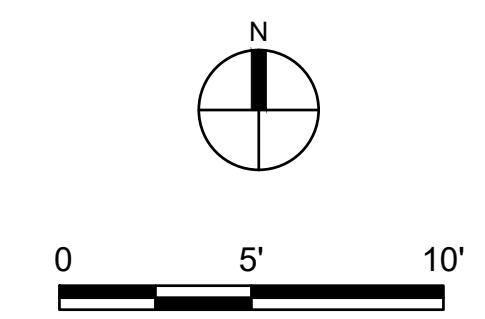
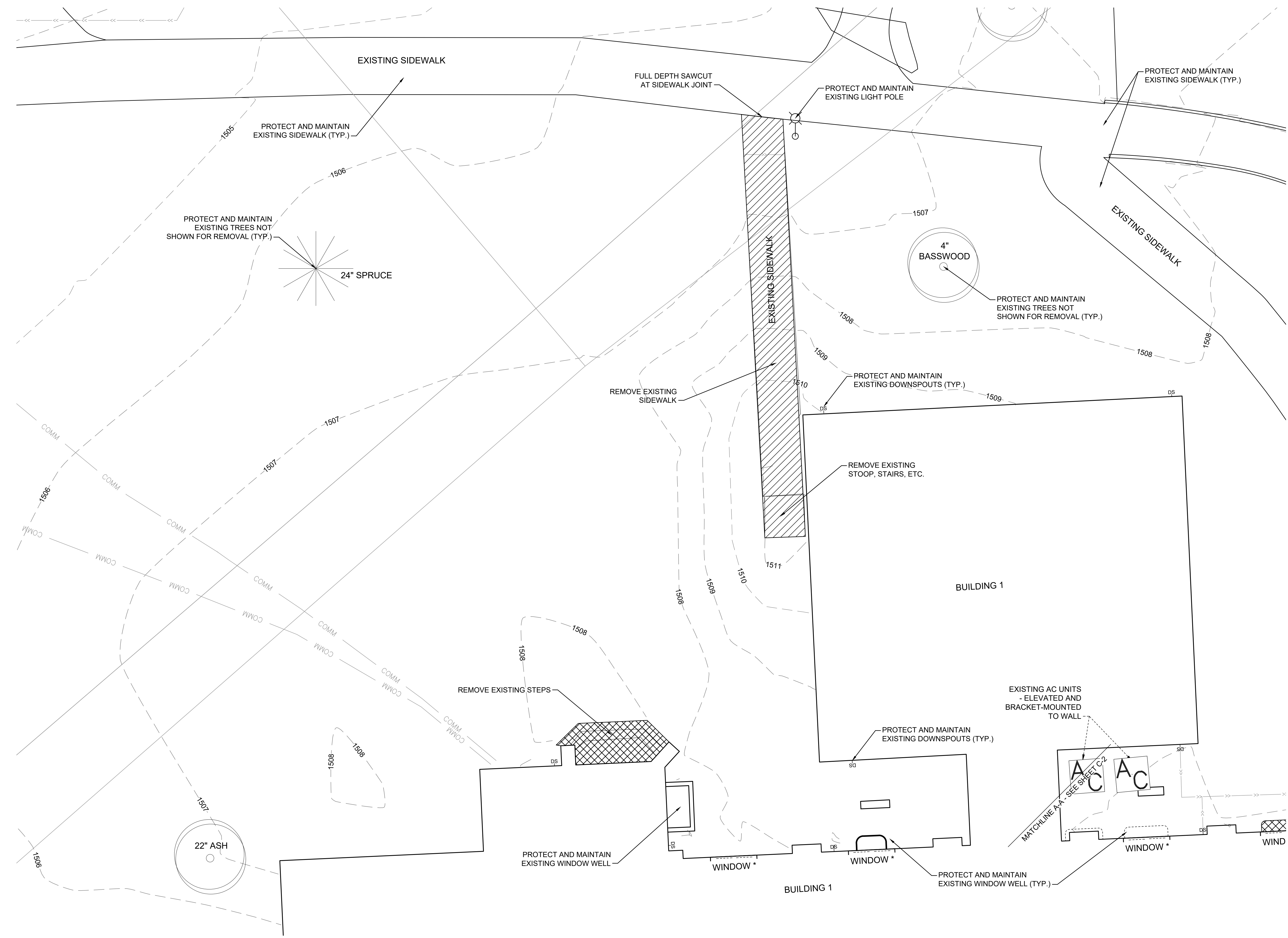
Project Number  
438-19-301

Building Number  
1 & 5

Drawing Number  
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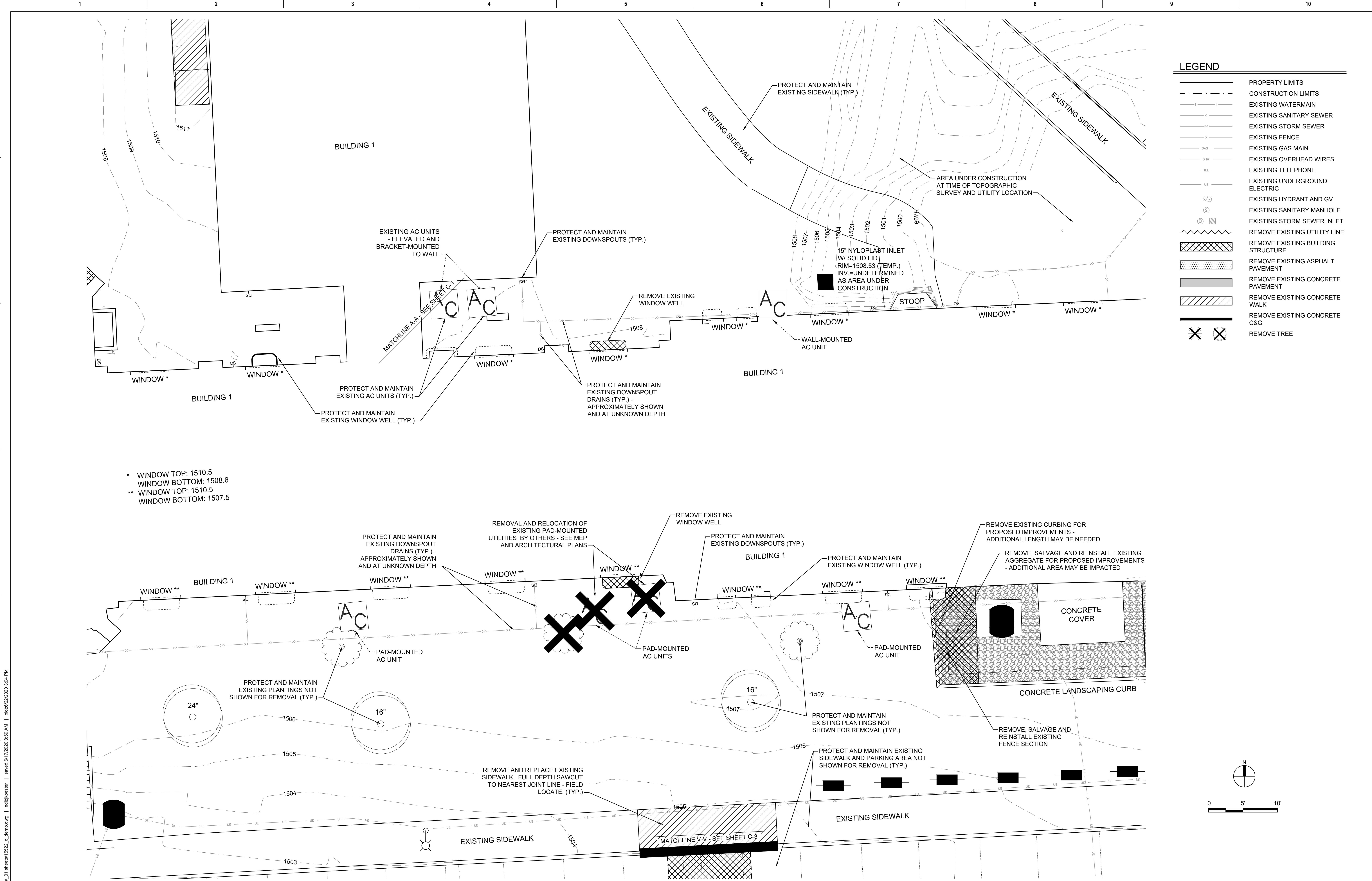
LEGEND	
	PROPERTY LIMITS
	CONSTRUCTION LIMITS
	EXISTING WATERMAIN
	EXISTING SANITARY SEWER
	EXISTING STORM SEWER
	EXISTING FENCE
	EXISTING GAS MAIN
	EXISTING OVERHEAD WIRES
	EXISTING TELEPHONE
	EXISTING UNDERGROUND ELECTRIC
	EXISTING HYDRANT AND GV
	EXISTING SANITARY MANHOLE
	EXISTING STORM SEWER INLET
	REMOVE EXISTING UTILITY LINE
	REMOVE EXISTING BUILDING STRUCTURE
	REMOVE EXISTING ASPHALT PAVEMENT
	REMOVE EXISTING CONCRETE PAVEMENT
	REMOVE EXISTING CONCRETE WALK
	REMOVE EXISTING CONCRETE C&G
	REMOVE TREE



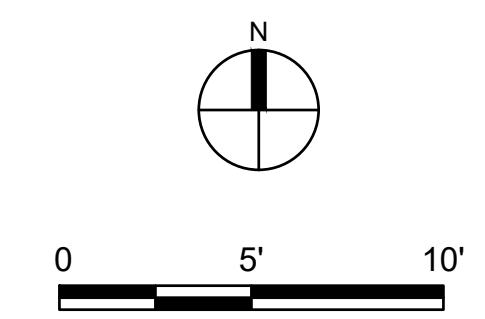
<b>CONSULTANT</b> engineering discipline <EDIT TEXT> Consultant firm name Consultant firm street address Consultant firm city, state, zip code Consultant firm phone number Consultant POC		<b>ARCHITECT/ENGINEER OF RECORD</b>  13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000   F 763.412.4090   a-e-mn.com Anderson Engineering of Minnesota, LLC   Proj # 15522		<b>STAMP</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. JAY RONALD KOESTER PRINT NAME  SIGNATURE 44433 REGISTRATION NUMBER 06/17/2020 DATE		Office of Construction and Facilities Management 		Drawing Title <b>DEMOLITION PLAN - PATIO AREA</b> Approved: Project Director		Phase <b>CONSTRUCTION DOCUMENTS</b>		Project Title <b>RENOVATE OLD CHAPEL AND AUDITORIUM</b> Location Sioux Falls, South Dakota Issue Date June 17, 2020 Checked JRK Drawn JPR		Project Number 438-19-301 Building Number 1 and 5 Drawing Number <b>C-1</b>	
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**LEGEND**

- — — — — PROPERTY LIMITS
- - - - - CONSTRUCTION LIMITS
- — — — — EXISTING WATERMAIN
- — — — — EXISTING SANITARY SEWER
- — — — — EXISTING STORM SEWER
- — — — — EXISTING FENCE
- — — — — EXISTING GAS MAIN
- — — — — EXISTING OVERHEAD WIRES
- — — — — EXISTING TELEPHONE
- — — — — EXISTING UNDERGROUND ELECTRIC
- ⊙ EXISTING HYDRANT AND GV
- ⊙ EXISTING SANITARY MANHOLE
- ⊙ EXISTING STORM SEWER INLET
- — — — — REMOVE EXISTING UTILITY LINE
- ⊗ REMOVE EXISTING BUILDING STRUCTURE
- ⊗ REMOVE EXISTING ASPHALT PAVEMENT
- ⊗ REMOVE EXISTING CONCRETE PAVEMENT
- ⊗ REMOVE EXISTING CONCRETE WALK
- ⊗ REMOVE EXISTING CONCRETE C&G
- ⊗ REMOVE TREE



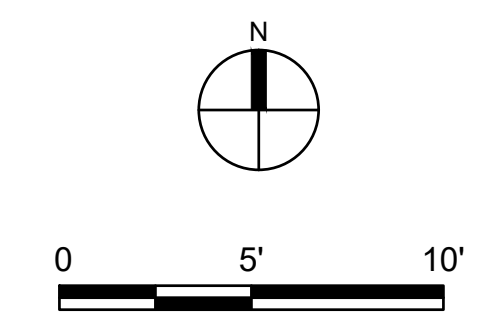
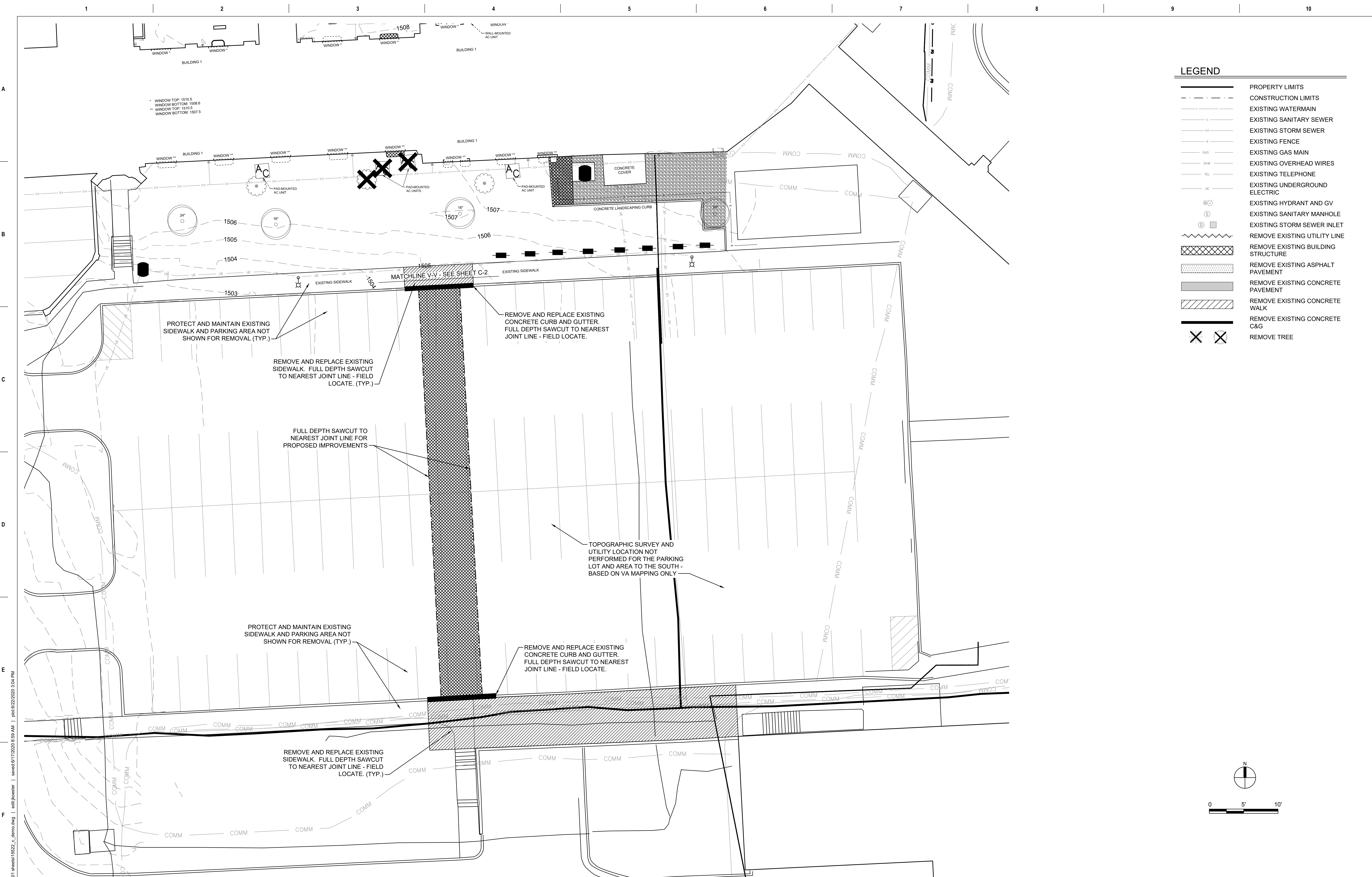
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	<p><b>CONSULTANT</b>                  engineering discipline &lt;EDIT TEXT&gt;                  Consultant firm name                  Consultant firm street address                  Consultant firm city, state, zip code                  Consultant firm phone number                  Consultant POC</p>	<p><b>ARCHITECT/ENGINEER OF RECORD</b></p> <p style="text-align: center;"><b>ANDERSON</b></p> <p>13605 1st Ave. N. #100 Plymouth, MN 55441                  P 763.412.4000   F 763.412.4090   a-e-mn.com                  Anderson Engineering of Minnesota, LLC   Proj # 15522</p>	<p><b>STAMP</b></p> <p>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.</p> <p>JAY RONALD KOESTER                  PRINT NAME</p> <p><i>Jay Koester</i>                  SIGNATURE</p> <p>44433 06/17/2020                  REGISTRATION NUMBER DATE</p>	<p><b>Office of Construction and Facilities Management</b></p> <p><b>VA</b> U.S. Department of Veterans Affairs</p>	<p>Drawing Title  <b>DEMOLITION PLAN - AIR HANDLER AREA</b></p> <p>Approved: Project Director</p>	<p>Phase  <b>CONSTRUCTION DOCUMENTS</b></p>	<p>Project Title  <b>RENOVATE OLD CHAPEL AND AUDITORIUM</b></p> <p>Location                  Sioux Falls, South Dakota</p> <p>Issue Date                  June 17, 2020</p> <p>Checked                  JRK</p> <p>Drawn                  JPR</p>	<p>Project Number                  438-19-301</p> <p>Building Number                  1 and 5</p> <p>Drawing Number                  C-2</p>
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**LEGEND**

- — — — — PROPERTY LIMITS
- - - - - CONSTRUCTION LIMITS
- — — — — EXISTING WATERMAIN
- — — — — EXISTING SANITARY SEWER
- — — — — EXISTING STORM SEWER
- — — — — EXISTING FENCE
- — — — — EXISTING GAS MAIN
- — — — — EXISTING OVERHEAD WIRES
- — — — — EXISTING TELEPHONE
- — — — — EXISTING UNDERGROUND ELECTRIC
- ⊕ EXISTING HYDRANT AND GV
- ⊕ EXISTING SANITARY MANHOLE
- ⊕ EXISTING STORM SEWER INLET
- ~ ~ ~ ~ ~ REMOVE EXISTING UTILITY LINE
- ⊗ REMOVE EXISTING BUILDING STRUCTURE
- ▨ REMOVE EXISTING ASPHALT PAVEMENT
- ▨ REMOVE EXISTING CONCRETE PAVEMENT
- ▨ REMOVE EXISTING CONCRETE WALK
- ▨ REMOVE EXISTING CONCRETE C&G
- ⊗ ⊗ REMOVE TREE



Revisions:	Date:

**CONSULTANT**  
 engineering discipline <EDIT TEXT>  
 Consultant firm name  
 Consultant firm street address  
 Consultant firm city, state, zip code  
 Consultant firm phone number  
 Consultant POC

**ARCHITECT/ENGINEER OF RECORD**

**ANDERSON**

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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 Professional Engineer under the laws of the State of Minnesota.  
 JAY RONALD KOESTER  
 PRINT NAME  
 SIGNATURE  
 44433  
 REGISTRATION NUMBER  
 06/17/2020  
 DATE

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

Drawing Title  
**DEMOLITION PLAN - GAS LINE AND PARKING AREA**

Approved: Project Director

Phase  
**CONSTRUCTION DOCUMENTS**

Project Title  
**RENOVATE OLD CHAPEL AND AUDITORIUM**

Project Number  
 438-19-301

Building Number  
 1 and 5

Location  
 Sioux Falls, South Dakota

Issue Date  
 June 17, 2020

Checked  
 JRK

Drawn  
 JPR

Drawing Number  
**C-3**