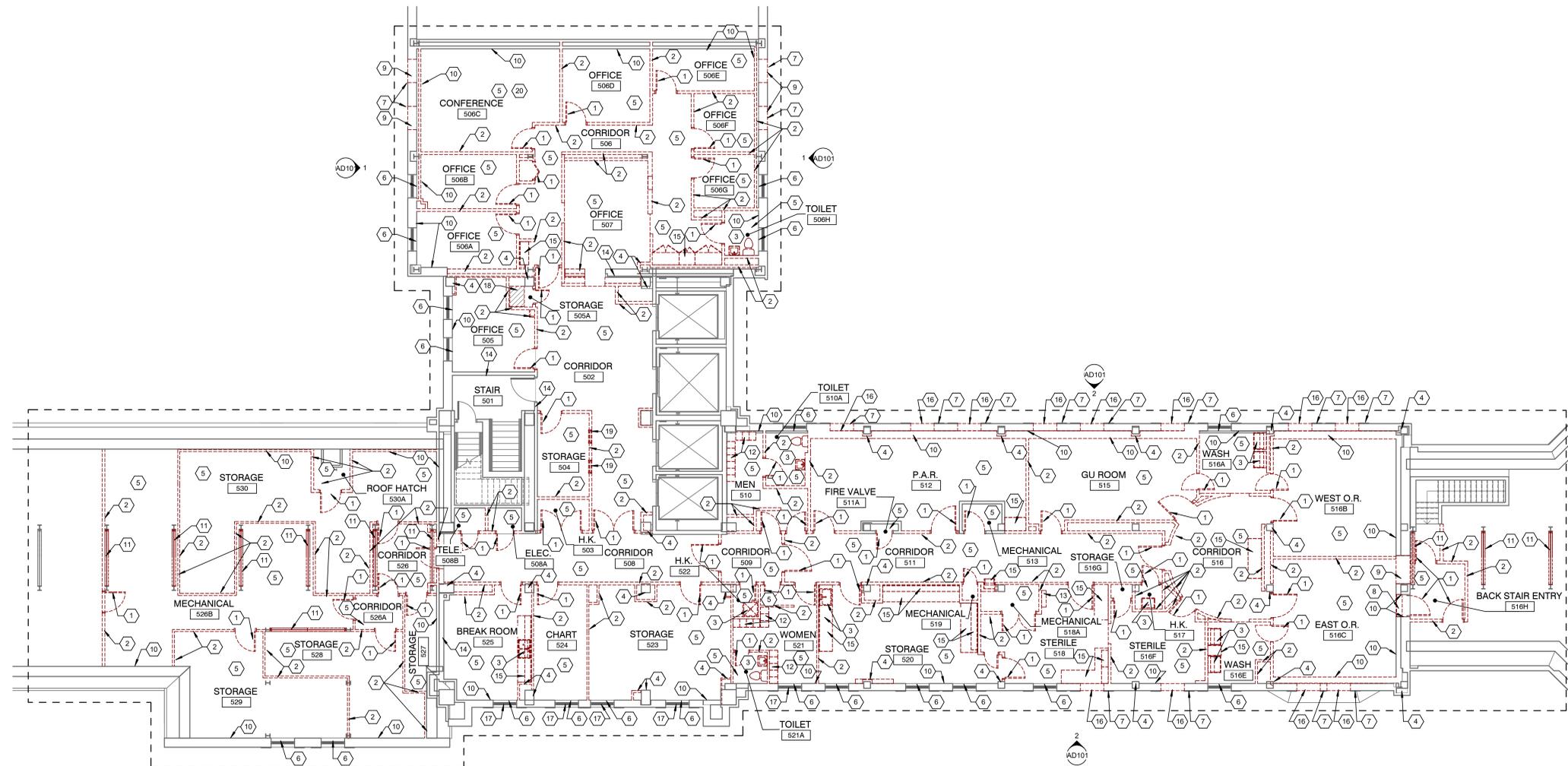


A three inches = one foot  
 B one and one half inches = one foot  
 C one inch = one foot  
 D three quarters inch = one foot  
 E one half inch = one foot  
 F three eighths inch = one foot  
 G one quarter inch = one foot  
 H one eighth inch = one foot



- ### DEMOLITION KEYNOTES:
- 1 REMOVE DOOR, FRAME AND HARDWARE
  - 2 REMOVE WALL
  - 3 REMOVE WATER CLOSETS, SINKS, WATER COOLER, AND ANY ASSOCIATED ACCESSORIES. SEE PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION
  - 4 REMOVE GYPSUM BOARD/PLASTER AND FURRING AROUND COLUMNS
  - 5 REMOVE FLOOR COVERING IN THIS AREA
  - 6 REMOVE WINDOW SILL AND ANY ASSOCIATED TRIM BELOW
  - 7 EXTERIOR STONE TRIM TO REMAIN, PROTECT FROM DAMAGE DURING WALL INFILL DEMOLITION
  - 8 REMOVE CONCRETE STEP UP TO ATTIC LANDING AS NEEDED TO INFILL WALL
  - 9 REMOVE PORTION OF WALL FOR NEW OPENING
  - 10 REMOVE EXISTING WALL FINISHES, PLASTER AND FRAMING BACK TO EXISTING CLAY TILE WALL. PREP WALLS FOR NEW SPRAY FOAM INSULATION
  - 11 REMOVE STRUCTURAL CROSS BRACING (SEE STRUCTURAL DRAWINGS)
  - 12 REMOVE AND SALVAGE METAL LOCKERS FOR OWNER
  - 13 REMOVE AND SALVAGE MEDICAL EQUIPMENT FOR OWNER
  - 14 EXISTING WALL TO REMAIN
  - 15 REMOVE CASEWORK AND COUNTERTOP
  - 16 REMOVE WALL INFILL FOR INSTALLATION OF NEW WINDOWS
  - 17 REMOVE GLAZING IN WINDOW AT THIS LOCATION. TO BE REPLACED WITH NEW FROSTED OBSCURED GLAZING.
  - 18 EXISTING LAUNDRY CHUTE TO REMAIN
  - 19 REMOVE WINDOW GLAZING AND FRAME
  - 20 REMOVE AND SALVAGE ALL AV EQUIPMENT IN THIS ROOM. TURN ALL EQUIPMENT OVER TO VA FOR FUTURE INSTALLATION IN THE NEW CONFERENCE ROOM.

- ### DEMOLITION GENERAL NOTES:
- A. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BEGINNING CONSTRUCTION.
  - B. ALL SURFACES OR FINISHES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT NO COST TO THE OWNER AND SHALL MATCH ADJACENT MATERIALS.
  - C. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.
  - D. CUT EXISTING CONCRETE FLOOR AS NECESSARY TO ACCOMMODATE NEW PIPING, CONDUIT, OR OTHER WORK. PATCH BACK TO MATCH.
  - E. ADJUST STUDS SO THAT FACE OF GYPSUM WALL BOARD WILL ALIGN WITH ADJACENT WALL.
  - F. SAW CUT AND REMOVE MASONRY TO ACCOMMODATE NEW OPENINGS. BRACE OPENING UNTIL NEW LINTELS ARE INSTALLED.

### ASBESTOS CONTAINING MATERIAL

THE FOLLOWING AREAS ARE KNOWN TO BE ACM AND MUST BE ABATED IF ACM MATERIALS ARE DISTURBED OR ENCOUNTERED:

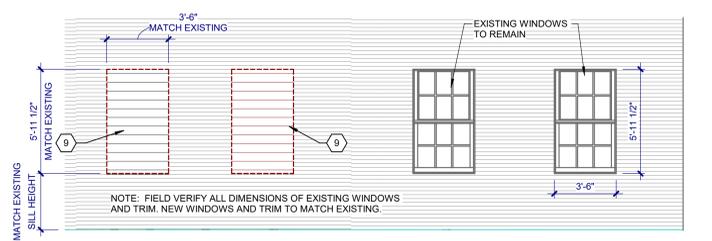
- RADIATOR TRANSIT AND PIPE INSULATION AT ALL EXISTING RADIATORS AND OTHER PIPE AND PIPE FITTING LOCATIONS.

CONFIRM THESE WITH THE ASBESTOS REPORT INCLUDED IN THE PROJECT MANUAL.

REMOVAL OF ASBESTOS CONTAINING MATERIAL (ACM) SHALL COMPLY WITH ALL CITY, STATE, AND FEDERAL REGULATIONS. REMOVAL OF ACM SHALL CONFORM TO THE LATEST EDITION OF ALL APPLICABLE OSHA AND AHERA REGULATIONS ALSO COMPLY WITH SOUTH DAKOTA OF ENVIRONMENTAL AND NATURAL RESOURCES AND NESHAPS (40 CFR 60 & 62). WORK PRACTICES SHALL CONFORM TO NESH GUIDANCE / WORK PRACTICES FOR THE REMOVAL OF ASBESTOS. IF ANY ADDITIONAL ACM OR POTENTIAL ACM IS IDENTIFIED DURING DEMOLITION OR CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER IMMEDIATELY. ANY CONFIRMED ACM SHALL BE ABATED BY THE CONTRACTOR PER THE ABOVE REQUIREMENTS.

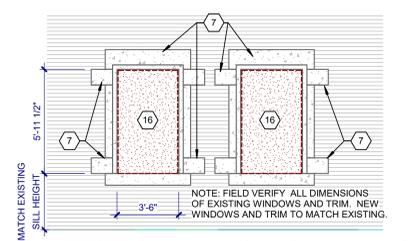
### FLOOR PLAN DEMOLITION

SCALE: 1/8" = 1'-0"



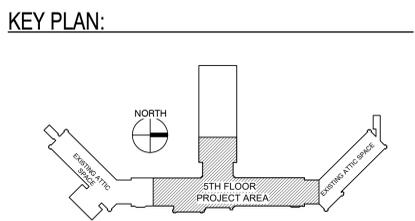
1 TYPICAL OPENING DEMOLITION ELEVATION

SCALE: 1/4" = 1'-0"



2 TYPICAL INFILL DEMOLITION ELEVATION

SCALE: 1/4" = 1'-0"



## 100% CONSTRUCTION DRAWINGS

<b>Project Title</b> V.A. HEALTH CARE SYSTEM RENOVATE 5TH FLOOR SURGERY		<b>Project Number</b> 438-15-201		Office of Construction and Facilities Management
<b>Building Number</b> 5		<b>Drawing Number</b> 5-AD101		
<b>Location</b> SIOUX FALLS, SOUTH DAKOTA		<b>Date</b> OCTOBER 11, 2017	<b>Checked</b> DGS	<b>Drawn</b> RTG
<b>Approved:</b> Project Director		Dwg. 5 of 60		Department of Veterans Affairs
<b>CONSULTANTS:</b>  4609 SOUTH TECHLINK CIRCLE • SIOUX FALLS, SD 57106 PHONE: (605) 362-3753 • FAX: (605) 362-3759 RAPID CITY, SD • SIOUX FALLS, SD • CASPER, WY • CEDAR RAPIDS, IA • BISMARCK, ND		<b>SEAL:</b> 		
<b>ARCHITECT:</b>  625 S. MINNESOTA AVENUE, SUITE 204 SIOUX FALLS, SOUTH DAKOTA 57104-4873 TELE: (605) 332-7850 FAX: (605) 332-3539		<b>Drawing Title</b> FIFTH FLOOR DEMOLITION PLAN		



# BUILDING CODE ANALYSIS

**BUILDING CODE:** 2016 NFPA 101 LIFE SAFETY CODE  
 2016 NFPA 101 FIRE PROTECTION DESIGN MANUAL  
 2016 INTERNATIONAL FIRE CODE  
 2016 INTERNATIONAL BUILDING CODE  
 2016 ABABA BARRIER FREE DESIGN GUIDE  
 2012 ANSI 117.1 - ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

**OCCUPANCY CLASSIFICATION:** NFPA 101.6 OCCUPANCY CLASSIFICATIONS:  
 AMBULATORY HEALTHCARE  
 BUSINESS

**OCCUPANT LOAD:** NFPA 101.7.3.1.2  
 AMBULATORY HEALTHCARE 62  
 HEALTH CARE TREATMENT AREAS 64  
 ACCESSORY STORAGE/MECH. 16  
 TOTAL THIS FLOOR 146

**FIRE SPRINKLER SYSTEMS:** NFPA 13 SYSTEM THROUGHOUT

**MEANS OF EGRESS:** NFPA 101.21.2.3.2  
 THE CLEAR WIDTH OF ANY CORRIDOR OR PASSAGEWAY REQUIRED FOR EXIT ACCESS SHALL NOT BE LESS THAN 44 INCHES. 82 INCH WIDE CORRIDORS MINIMUM ARE PROVIDED IN ALL PATIENT AREAS. 54 INCH WIDE CORRIDORS MINIMUM ARE PROVIDED IN ALL NON-PATIENT AREAS.

**MEANS OF EGRESS:** NFPA 101.21.2.3.4  
 THE MINIMUM CLEAR WIDTH FOR DOORS IN THE MEANS OF EGRESS SHALL NOT BE LESS THAN 32 INCHES WIDE  
 EXITS REQUIRED: 2@ 32.0"  
 EXITS PROVIDED: 2@ 40.5"

**TRAVEL DISTANCES:** NFPA 101.21.2.5.2  
 DEAD END CORRIDORS SHALL NOT EXCEED 50 FEET. ACTUAL MAXIMUM DEAD END CORRIDOR LENGTH = 80 FEET. SEE NOTE ON PLAN.

**TRAVEL DISTANCES:** NFPA 101.21.2.5.3.1  
 COMMON PATH OF TRAVEL SHALL NOT EXCEED 100 FEET ON A STORY PROTECTED THROUGHOUT BY AN APPROVED AUTOMATIC SPRINKLER SYSTEM. ACTUAL MAXIMUM COMMON PATH OF TRAVEL DISTANCE = 89 FT.

**INTERIOR FINISHES:** NFPA 101.21.2.6.1 & 101.21.2.6.2.2  
 THE MAXIMUM TRAVEL DISTANCE BETWEEN ANY POINT IN A ROOM AND AN EXIT SHALL NOT EXCEED 200 FEET IF BUILDING IS PROTECTED THROUGHOUT BY AN APPROVED AUTOMATIC SPRINKLER SYSTEM. ACTUAL MAXIMUM TRAVEL DISTANCE = 118 FT.

**CORRIDOR SEPARATIONS:** NFPA 101.20.2.6.1  
 WHERE ACCESS TO EXITS IS PROVIDED BY CORRIDORS, SUCH CORRIDORS SHALL BE SEPARATED FROM OTHER AREAS BY 1 HOUR FIRE BARRIERS UNLESS THE BUILDING IS PROTECTED BY AND APPROVED SUPERVISED AUTOMATIC SPRINKLER SYSTEM. THIS SPACE SHALL BE PROVIDED WITH A SUPERVISED AUTOMATIC SPRINKLER SYSTEM. CORRIDOR WALLS ARE DESIGNED AS SMOKE PARTITIONS WITH 1/2 HOUR FIRE RESISTANCE RATING.

**NOTE:** THIS RAMP DOES NOT COMPLY WITH CODE REQUIREMENTS FOR CONTINUITY OF HANDRAILS ON BOTH SIDES NFPA 101 - 7.2.2.4.2. HANDRAILS ON ONE SIDE ARE INTERRUPTED BY DOORS TO DATA AND ELECTRICAL ROOMS. THE VA HAS INDICATED THAT THIS NON-COMPLIANT CODE CONDITION IS ACCEPTABLE.

**NOTE:** DEAD END CORRIDOR IS APPROXIMATELY 80' LONG. THE VA HAS INDICATED THAT THIS CONDITION IS ACCEPTABLE.

**NOTE:** A SIGN SHALL BE INSTALLED AT THIS DOOR THAT STATES "THIS DOOR IS NOT AN EXIT."

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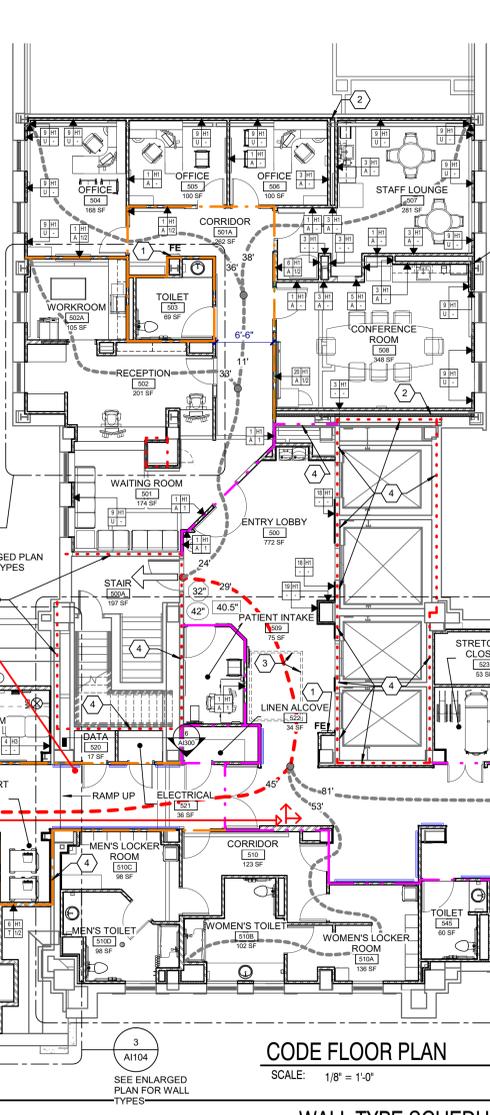
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**CODE FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"  
 AREA OF WORK 10,072 SQFT.

NUMBER	ROOM NAME	USE CLASSIFICATION	AREA **	OLF	OCCUPANT LOAD	TOTAL EGRESS WIDTH	NUMBER OF EXITS
500	ENTRY LOBBY	Business	772 SF	100 SF	8	1.54	1
500A	STAIR	Business	197 SF	100 SF	2	0.39	1
500B	CLEAN CORE	Ambulatory Healthcare	523 SF	100 SF	5	1.05	1
500C	CORRIDOR	Business	938 SF	100 SF	9	1.82	1
500D	CRASH CART ALCOVE	Accessory Storage/Mech.	40 SF	500 SF	1	0.15	1
500E	LINEN ALCOVE	Accessory Storage/Mech.	6 SF	500 SF	1	0.15	1
500F	FIRE VALVE	Accessory Storage/Mech.	6 SF	500 SF	1	0.20	1
501	WAITING ROOM	Assembly Unconcentrated	174 SF	15 SF	12	1.74	1
501A	CORRIDOR	Business	100 SF	100 SF	3	0.52	1
502	RECEPTION	Business	201 SF	100 SF	2	0.40	1
502A	WORKROOM	Business	105 SF	100 SF	1	0.21	1
503	TOILET	Accessory Storage/Mech.	69 SF	500 SF	1	0.20	1
504	OFFICE	Business	168 SF	100 SF	2	0.34	1
505	OFFICE	Business	100 SF	100 SF	1	0.20	1
506	OFFICE	Business	100 SF	100 SF	1	0.20	1
507	STAFF LOUNGE	Assembly Unconcentrated	281 SF	15 SF	19	2.81	1
508	CONFERENCE ROOM	Assembly Unconcentrated	348 SF	15 SF	23	3.48	1
509	PATIENT INTAKE	Business	75 SF	100 SF	1	0.20	1
510	CORRIDOR	Business	123 SF	100 SF	1	0.25	1
510A	WOMEN'S LOCKER ROOM	Ambulatory Healthcare	136 SF	50 SF	3	0.41	1
510B	WOMEN'S TOILET	Accessory Storage/Mech.	102 SF	500 SF	1	0.20	1
510C	MEN'S LOCKER ROOM	Ambulatory Healthcare	98 SF	50 SF	2	0.29	1
510D	MEN'S TOILET	Accessory Storage/Mech.	98 SF	500 SF	1	0.20	1
511	MINOR PROCEDURE OR 2	Health Care Inpatient Treatment	295 SF	240 SF	1	0.24	1
512	MINOR PROCEDURE OR 1	Health Care Inpatient Treatment	285 SF	240 SF	1	0.24	1
513	SOILED ROOM	Accessory Storage/Mech.	70 SF	500 SF	1	0.15	1
514	MEDICATION ROOM	Ambulatory Healthcare	72 SF	100 SF	1	0.20	1
516	STERILE STORAGE	Accessory Storage/Mech.	105 SF	500 SF	1	0.15	1
517	CLEAN ROOM	Accessory Storage/Mech.	88 SF	500 SF	1	0.15	1
518	EXAM ROOM	Health Care Inpatient Treatment	108 SF	240 SF	1	0.20	1
519	EXAM ROOM	Health Care Inpatient Treatment	130 SF	240 SF	1	0.20	1
520	DATA	Accessory Storage/Mech.	17 SF	500 SF	1	0.20	1
521	ELECTRICAL	Accessory Storage/Mech.	38 SF	500 SF	1	0.20	1
522	LINEN ALCOVE	Accessory Storage/Mech.	34 SF	500 SF	1	0.15	1
523	STRETCHER CLOSET	Accessory Storage/Mech.	53 SF	500 SF	1	0.15	1
524	EQUIPMENT STORAGE	Accessory Storage/Mech.	159 SF	500 SF	1	0.15	1
525	OFFICE	Business	148 SF	100 SF	1	0.29	1
526	OFFICE	Business	176 SF	100 SF	2	0.35	1
527	MECHANICAL/ELECTRICAL	Accessory Storage/Mech.	24 SF	500 SF	1	0.20	1
528	OFFICE	Business	137 SF	100 SF	1	0.27	1

NUMBER	ROOM NAME	USE CLASSIFICATION	AREA **	OLF	OCCUPANT LOAD	TOTAL EGRESS WIDTH	NUMBER OF EXITS
529	OFFICE	Business	130 SF	100 SF	1	0.26	1
530	OFFICE	Business	127 SF	100 SF	1	0.25	1
531	OFFICE	Business	131 SF	100 SF	1	0.26	1
532	OFFICE	Business	128 SF	100 SF	1	0.25	1
533	OFFICE	Business	125 SF	100 SF	1	0.25	1
534B	BACK STAIR	Business	113 SF	100 SF	1	0.23	1
535	OFFICE	Business	132 SF	100 SF	1	0.26	1
536	COMPUTER	Business	107 SF	100 SF	1	0.21	1
537	OFFICE	Business	134 SF	100 SF	1	0.27	1
538	OFFICE	Business	123 SF	100 SF	1	0.25	1
539	OFFICE	Business	124 SF	100 SF	1	0.25	1
540	OFFICE	Business	124 SF	100 SF	1	0.25	1
541	OFFICE	Business	122 SF	100 SF	1	0.24	1
542	OFFICE	Business	100 SF	100 SF	1	0.20	1
543	JANITOR	Accessory Storage/Mech.	94 SF	500 SF	1	0.20	1
544	TOILET	Accessory Storage/Mech.	105 SF	500 SF	1	0.20	1
545	TOILET	Accessory Storage/Mech.	60 SF	500 SF	1	0.20	1
			8814 SF		139	24.53	

- CODE PLAN KEYNOTES:**
- SEMI-RECESSED FIRE EXTINGUISHER AND CABINET
  - CONTINUE R21 URETHANE INSULATION INSIDE CHASE ON EXTERIOR WALL AND AROUND STRUCTURAL COLUMNS.
  - 6'-0" W x 8'-0" L PENTHOUSE LIFT ACCESS
  - REPAIR ALL PENETRATIONS INTO EXISTING WALLS INDICATED AS FIRE WALLS WITH APPROPRIATE FIRE STOPPING MATERIALS MEETING THE INDICATED RATINGS
  - REMOVABLE RAMP

- SYMBOL LEGEND**
- 72" DOOR WIDTH PROVIDED
  - 34.5" EXIT WIDTH PROVIDED
  - 32" EXIT WIDTH REQUIRED
  - DIRECTION OF EGRESS
  - FE FIRE EXTINGUISHER
  - ACCESSIBLE ROUTE / PATH OF TRAVEL
  - MOST REMOTE ACCESSIBLE ROUTE / PATH OF TRAVEL

- RATED WALLS:**
- EXISTING DENOTES 2-HOUR FIRE WALL & SMOKE BARRIER WALL:
    - WALL EXTENDS FROM FLOOR TO DECK ABOVE
    - ALL DUCT PENETRATIONS ARE PROTECTED BY COMBINATION FIRE AND SMOKE DAMPERS
    - SMOKE DAMPERS ARE NOT REQUIRED WHERE ADJACENT SMOKE COMPARTMENTS ARE PROTECTED BY QUICK RESPONSE SPRINKLERS THROUGHOUT EACH COMPARTMENT
    - ALL PENETRATIONS ARE SEALED WITH MATERIALS APPROPRIATE FOR PROTECTING 2-HOUR FIRE AND SMOKE WALL ASSEMBLIES
    - ALL DOORS ARE 1 1/2-HOUR LABELED, SELF-CLOSING AND POSITIVE LATCHING. (LSC 18.3.6.3 & 8.3.3.1)
  - EXISTING DENOTES MINIMUM 1-HOUR FIRE WALL & SMOKE BARRIER WALL:
    - WALL EXTENDS FROM FLOOR TO DECK ABOVE
    - ALL DUCT PENETRATIONS ARE PROTECTED BY COMBINATION FIRE AND SMOKE DAMPERS
    - SMOKE DAMPERS ARE NOT REQUIRED WHERE ADJACENT SMOKE COMPARTMENTS ARE PROTECTED BY QUICK RESPONSE SPRINKLERS THROUGHOUT EACH COMPARTMENT
    - ALL PENETRATIONS ARE SEALED WITH MATERIALS APPROPRIATE FOR PROTECTING 1-HOUR FIRE AND SMOKE WALL ASSEMBLIES
    - ALL DOORS ARE 3/4-HOUR LABELED, SELF-CLOSING AND POSITIVE LATCHING. (LSC 18.3.6.3 & 8.3.3.1)
  - EXISTING DENOTES SUITE SEPARATION/CORRIDOR WALL AND SMOKE PARTITION:
    - WALL SHALL BE PERMITTED TO TERMINATE AT THE CEILING WHERE THE CEILING IS CONSTRUCTED TO LIMIT THE TRANSFER OF SMOKE
    - 1/2 HOUR FIRE RESISTANCE RATING IS REQUIRED
    - WALL SHALL FORM A BARRIER TO LIMIT THE TRANSFER OF SMOKE
    - ALL AIR TRANSFER OPENINGS ARE PROTECTED BY SMOKE DAMPERS (PER LSC 8.4.6.2 & IBC 711.7)
    - ALL PENETRATIONS ARE SEALED WITH MATERIALS APPROPRIATE FOR RESISTING THE PASSAGE OF SMOKE
    - ALL DOORS SHALL BE CONSTRUCTED TO RESIST THE PASSAGE OF SMOKE AND BE 20 MIN RATED
    - DOORS SHALL BE REQUIRED TO MEET THE REQUIREMENTS FOR SMOKE AND DRAFT CONTROL DOOR ASSEMBLIES. (TESTED IN ACCORDANCE WITH UL 1784) (IBC 711.5.2)
    - A CLEARANCE BETWEEN THE BOTTOM OF THE DOOR AND THE FLOOR COVERING NOT EXCEEDING ONE INCH SHALL BE PERMITTED
    - DOORS SHALL BE PROVIDED WITH POSITIVE LATCHING HARDWARE
    - DOORS SHALL NOT BE HELD OPEN BY DEVICES OTHER THAN THOSE THAT RELEASE WHEN THE DOOR IS PUSHED OR PULLED
    - DOORS SHALL BE SELF OR AUTOMATIC CLOSING. (PER LSC 8.4.3.5 AND IBC 711.5.3)

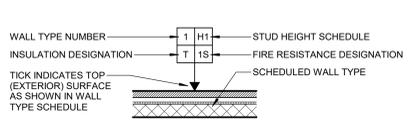
- RATED WALLS GENERAL NOTES:**
- WHERE MORE THAN ONE WALL TYPE IS SHOWN, THE MOST RESTRICTIVE REQUIREMENTS OF THE WALLS ARE REQUIRED (FOR EXAMPLE, A FIRE BARRIER MAY BE COMBINED WITH A SMOKE BARRIER - 2 HOUR F.R. CONSTRUCTION WITH 1 1/2 HOUR F.R. DOORS, COMBINATION FIRE & SMOKE DAMPERS, 2 HOUR PENETRATIONS)
  - NOTE THAT DUCTS AND PIPE OR CONDUIT PENETRATIONS DO NOT TYPICALLY OCCUR AT SHAFTS OR STAIR ENCLOSURES BECAUSE THEY ARE PROHIBITED EXCEPT WHERE THEY ARE SPECIFICALLY SERVING THAT COMPONENT.

- KEY PLAN:**
- T = THERMAL INSULATION FILL STUD CAVITY (NOTE: INSULATION SHALL EXTEND FULL HEIGHT OF WALL)
  - A = ACOUSTIC INSULATION FILL STUD CAVITY
  - U = URETHANE SPRAY FOAM THERMAL INSULATION

## WALL TYPE SCHEDULE (SEE WALL TAG FOR INSULATION AND FIRE RATING)

1 - SHAFTEWALL	2 - SHAFTEWALL	3 - SHAFTEWALL	4 - SHAFTEWALL	5 - SHAFTEWALL	6 - SHAFTEWALL	7 - SHAFTEWALL	8 - SHAFTEWALL	9 - SHAFTEWALL	10 - SHAFTEWALL	11 - SHAFTEWALL	12 - SHAFTEWALL
5/8" GYPSUM BOARD EACH SIDE INSTALL GYPSUM BOARD UP 1/2" OFF CONCRETE SUBFLOOR ACOUSTIC BATT INSULATION WHERE INDICATED 3/8" METAL STUDS STC RATING OF 45-49 PER GA. # WP1072 1 HR. FIRE AND SMOKE RATED (WHERE INDICATED) UL U419 1/2 HR. FIRE & SMOKE RATED (WHERE INDICATED) UL U407	1" X 24" GYPSUM SHAFT LINER PANELS 2 1/2" METAL CT STUDS AT 24" O.C. ACOUSTIC BATT INSULATION WHERE INDICATED 2 LAYERS 5/8" TYPE X IMPACT RESISTANT GYPSUM WALL BOARD 2 HR. FIRE RATED BARRIER WALL: UL U497	5/8" GYPSUM BOARD ONE SIDE INSTALL GYPSUM BOARD UP 1/2" OFF CONCRETE SUBFLOOR ACOUSTIC BATT INSULATION WHERE INDICATED 3 5/8" METAL STUDS 1/2 HR. FIRE & SMOKE RATED (WHERE INDICATED) UL U407 1 HR. FIRE AND SMOKE RATED (WHERE INDICATED) UL U419	5/8" GYPSUM BOARD ONE SIDE INSTALL GYPSUM BOARD UP 1/2" OFF CONCRETE SUBFLOOR ACOUSTIC BATT INSULATION WHERE INDICATED 1 1/2" METAL STUD FURRING EXISTING WALL OR COLUMN 1/2 HR. FIRE & SMOKE RATED (WHERE INDICATED) UL U407	5/8" GYPSUM BOARD EACH SIDE INSTALL GYPSUM BOARD UP 1/2" OFF CONCRETE SUBFLOOR ACOUSTIC BATT INSULATION WHERE INDICATED 1" METAL STUDS STC RATING OF 45-49 PER GA. # WP1072 1 HR. FIRE AND SMOKE RATED (WHERE INDICATED) UL U419	5/8" GYPSUM BOARD EACH SIDE INSTALL GYPSUM BOARD UP 1/2" OFF CONCRETE SUBFLOOR VAPOR RETARDER ON WARM SIDE (AT THERMAL INSULATION) ACOUSTIC OR THERMAL BATT INSULATION WHERE INDICATED 6" METAL STUDS STC RATING OF 45-49 PER GA. # WP1072 1 HR. FIRE AND SMOKE RATED (WHERE INDICATED) UL U419	5/8" GYPSUM BOARD ONE SIDE INSTALL GYPSUM BOARD UP 1/2" OFF CONCRETE SUBFLOOR VAPOR RETARDER ON WARM SIDE (AT THERMAL INSULATION) ACOUSTIC BATT INSULATION WHERE INDICATED 6" METAL STUDS 1 HR. FIRE AND SMOKE RATED (WHERE INDICATED) UL U419 1/2 HR. FIRE & SMOKE RATED (WHERE INDICATED) UL U407	2 LAYERS 5/8" TYPE X GYPSUM BOARD EACH SIDE INSTALL GYPSUM BOARD UP 1/2" OFF CONCRETE SUBFLOOR VAPOR RETARDER ON WARM SIDE 1" METAL STUD OFFSET FROM EXISTING WALL R-21 SPRAY URETHANE INSULATION ENCAPSULATES BACK OF METAL STUD TO CREATE THERMAL BREAK EXISTING EXTERIOR WALL 2 HR. FIRE AND SMOKE RATED UL U411	5/8" GYPSUM BOARD ONE SIDE INSTALL GYPSUM BOARD UP 1/2" OFF CONCRETE SUBFLOOR 2 1/2" METAL STUDS 1" METAL STUD OFFSET FROM EXISTING WALL R-21 SPRAY URETHANE INSULATION ENCAPSULATES BACK OF METAL STUD TO CREATE THERMAL BREAK EXISTING EXTERIOR WALL GYPSUM BOARD MUST EXTEND FROM FLOOR TO ROOF DECK TO COMPLETELY COVER URETHANE INSULATION 30 MIN. FIRE & SMOKE RATED (WHERE INDICATED) UL U407	CERAMIC TILE THIN SET MORTAR 5/8" TILE BACKER (EXTEND TO TILE HEIGHT) 5/8" GYPSUM WALL BOARD ABOVE ACOUSTIC BATT INSULATION WHERE INDICATED 3/8" METAL STUD FRAMING AT 16" O.C. 5/8" GYPSUM WALL BOARD THIN SET MORTAR CERAMIC TILE	CERAMIC TILE THIN SET MORTAR 5/8" TILE BACKER (EXTEND TO TILE HEIGHT) 5/8" GYPSUM WALL BOARD ABOVE ACOUSTIC BATT INSULATION WHERE INDICATED 3/8" METAL STUD FRAMING AT 16" O.C. 5/8" GYPSUM WALL BOARD THIN SET MORTAR CERAMIC TILE	CERAMIC TILE THIN SET MORTAR 5/8" TILE BACKER (EXTEND TO TILE HEIGHT) 5/8" GYPSUM WALL BOARD ABOVE ACOUSTIC BATT INSULATION WHERE INDICATED 3/8" METAL STUD FRAMING AT 16" O.C. 5/8" GYPSUM WALL BOARD THIN SET MORTAR CERAMIC TILE

## WALL TYPE LEGEND



## STUD HEIGHT SCHEDULE

- (NOTE: GYPSUM BOARD SHALL RUN TO TOP OF STUD)
- H1 = FLOOR TO BOTTOM OF ROOF OR FLOOR DECK
  - H2 = INFILL EXISTING OPENING
  - H3 = FLOOR TO 6" ABOVE CEILING

## INSULATION DESIGNATION

- (NOTE: INSULATION SHALL EXTEND FULL HEIGHT OF WALL)
- T = THERMAL INSULATION FILL STUD CAVITY
  - A = ACOUSTIC INSULATION FILL STUD CAVITY
  - U = URETHANE SPRAY FOAM THERMAL INSULATION

## FIRE RESISTANCE DESIGNATION

- (NOTE: ALL EXISTING RATED WALLS REQUIRE INFILL SHALL MATCH THE FIRE AND SMOKE RATINGS OF THE EXISTING WALL)
- 1 = ONE HOUR & SMOKE SEALED
  - 2 = TWO HOUR & SMOKE SEALED
  - 1/2 = 30 MIN. & SMOKE SEALED

# 100% CONSTRUCTION DRAWINGS

<p><b>CONSULTANTS:</b></p> <p><b>WEST PLAINS ENGINEERING</b>          4609 SOUTH TECHLINK CIRCLE • SIOUX FALLS, SD 57106          PHONE: (605) 362-3753 • FAX: (605) 362-3759          RAPID CITY, SD • SIOUX FALLS, SD • CASPER, WY • CEDAR RAPIDS, IA • BISHOPARCK, ND</p>	<p><b>SEAL:</b></p> <p>REGISTERED ARCHITECT          REG. NO. 3907          ROBIN J. MCLELLAN          SOUTH DAKOTA</p>	<p><b>ARCHITECT:</b></p> <p><b>MSH ARCHITECTS</b>          625 S. MINNESOTA AVENUE, SUITE 204          SIOUX FALLS, SOUTH DAKOTA 57104-4873          TELE: (605) 332-7850 FAX: (605) 332-3539</p>	<p>Drawing Title  <b>FIFTH FLOOR CODE PLAN</b></p> <p>Approved: Project Director</p>	<p>Project Title  <b>V.A. HEALTH CARE SYSTEM RENOVATE 5TH FLOOR SURGERY</b></p> <p>Project Number  <b>438-15-201</b></p> <p>Building Number  <b>5</b></p> <p>Location  <b>SIOUX FALLS, SOUTH DAKOTA</b></p> <p>Date  <b>OCTOBER 11, 2017</b></p> <p>Checked  <b>DGS</b></p> <p>Drawn  <b>AAD</b></p>	<p>Office of Construction and Facilities Management</p> <p>Department of Veterans Affairs</p>
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**KEYNOTES:**

- 1 REINSTALL SALVAGED ACOUSTIC TILE CEILING IN THIS AREA AFTER ABOVE CEILING WORK IS COMPLETE.
- 2 PATCH AND REPLACE GYPSUM BOARD INTO EXISTING CEILING IN THIS AREA AND REPAINT ENTIRE CEILING FOR THIS ROOM.
- 3 REINSTALL EXISTING LIGHTS, DIFFUSERS AND OTHER HVAC AND ELECTRICAL EQUIPMENT IN CEILING GRID WHEN ABOVE CEILING WORK IS COMPLETE. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR EXACT LOCATIONS. FIELD VERIFY EXISTING CONDITIONS FOR OTHER CEILING HUNG EQUIPMENT.
- 4 REINSTALL SALVAGED ADHEARED 12" X 12" CEILING TILE IN THIS AREA AFTER ABOVE CEILING WORK IS COMPLETE.
- 5 WALL MOUNTED ALUMINUM CAGE ACCESS LADDER WITH PLATFORM AND RETURN
- 6 INFILL OPENING BEHIND SPEAKER GRILL WITH 2 HOUR SHAFTWALL. PAINT AUDITORIUM SIDE OF SHAFTWALL WHITE.
- 7 PATCH WALL BELOW CEILING WHERE NEW PLUMBING LINES ARE INSTALLED IN CHASE. COORDINATE SIZE OF PATCH AREA WITH MECHANICAL AND PLUMBING CONTRACTORS. REPAINT ENTIRE WALL TO NEAREST CORNER TO MATCH EXISTING.

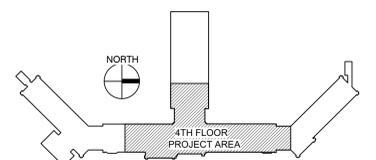
**CEILING LEGEND**

- 2 x 2' SUSPENDED ACOUSTICAL CEILING GRID
- GYPSUM BOARD CEILING / SOFFIT
- DIFFUSER
- RETURN
- 2x4 TROFFER LIGHT FIXTURE
- SURFACE MOUNTED LIGHT FIXTURE
- RADIANT CEILING PANEL

**GENERAL NOTES:**

- A. VERIFY ALL UTILITIES AND CONNECTION LOCATIONS.
- B. PROVIDE BLOCKING AND BACKING AS REQUIRED FOR EQUIPMENT AND ACCESSORIES.
- C. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BEGINNING CONSTRUCTION.
- D. ALL SURFACES OR FINISHES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AND SHALL MATCH ADJACENT MATERIALS.
- E. WORK ON THIS FLOOR MUST BE CLOSELY COORDINATED WITH THE VA TO ALLOW FOR CONTINUED OPERATIONS ON THIS FLOOR. (AFTER HOURS WORK MAY BE REQUIRED)
- F. CONTRACTOR SHALL TAKE ALL MEASURES AND PROVIDE ALL MATERIAL NECESSARY FOR PROTECTING EXISTING EQUIPMENT AND PROPERTY IN AFFECTED AREAS OF CONSTRUCTION AGAINST DUST AND DEBRIS, SO THAT EQUIPMENT AND AFFECTED AREAS TO BE USED IN THE MEDICAL CENTERS OPERATIONS WILL NOT BE HINDERED. CONTRACTOR SHALL PERMIT ACCESS TO DEPARTMENT OF VETERANS AFFAIRS PERSONNEL AND PATIENTS THROUGH OTHER CONSTRUCTION AREAS WHICH SERVE AS ROUTES OF ACCESS TO SUCH AFFECTED AREAS AND EQUIPMENT. THESE ROUTES WHETHER ACCESS OR EGRESS SHALL BE ISOLATED FROM THE CONSTRUCTION AREA BY TEMPORARY PARTITIONS AND HAVE WALKING SURFACES. LIGHTING ETC TO FACILITATE PATIENT AND STAFF ACCESS. COORDINATE ALTERATION WORK IN AREAS OCCUPIED BY DEPARTMENT OF VETERANS AFFAIRS SO THAT MEDICAL CENTER OPERATIONS WILL CONTINUE DURING THE CONSTRUCTION PERIOD. COORDINATE WITH SPECIFICATIONS SECTION 01 0000 - GENERAL REQUIREMENTS AND 01 0100 - MEDICAL CENTER REQUIREMENTS FOR WORK ON THIS FLOOR.
- G. PATCH EXISTING WALLS TO REMAIN WHERE EXISTING PLUMBING AND MECHANICAL DUCTWORK ARE BEING REMOVED. COORDINATE LOCATIONS AND SIZE OF PATCH AREA WITH MECHANICAL AND PLUMBING CONTRACTORS. REPAINT ENTIRE WALL TO NEAREST CORNER TO MATCH EXISTING.

**KEY PLAN:**



**100% CONSTRUCTION DRAWINGS**

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<p><b>Revisions:</b></p> <table border="1"> <tr> <th>No.</th> <th>Description</th> <th>Date</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>		No.	Description	Date				<p><b>RISE STRUCTURAL ASSOCIATES INC.</b> 101 Railroad Ave. - PO Box 39 Harrisburg, SD 57032 (605)743-2510 fax:(605)743-2513</p>		<p>DATE: <b>OCTOBER 11, 2017</b></p> <p>Checked: <b>DGS</b></p> <p>Drawn: <b>RTG</b></p>		<p>Location <b>SIOUX FALLS, SOUTH DAKOTA</b></p>		<p>Location <b>SIOUX FALLS, SOUTH DAKOTA</b></p>		<p>Location <b>SIOUX FALLS, SOUTH DAKOTA</b></p>	
No.	Description	Date															

**FOURTH FLOOR AUDITORIUM SPACE PLAN**  
SCALE: 1/8" = 1'-0"

**FOURTH FLOOR REFLECTED CEILING PLAN**  
SCALE: 1/8" = 1'-0"

**PHASING NOTE:**  
WORK ON THIS FLOOR MUST BE CLOSELY COORDINATED WITH THE VA TO ALLOW FOR CONTINUED OPERATIONS ON THIS FLOOR. (AFTER HOURS WORK MAY BE REQUIRED)

----- DENOTES PROJECT LIMITS LINE



one eighth inch = one foot  
 one quarter inch = one foot  
 one half inch = one foot  
 three eighths inch = one foot  
 three quarters inch = one foot  
 one inch = one foot  
 one and one half inches = one foot  
 three inches = one foot  
 six inches = one foot