

VA FORM 08 - 6231

Revision# Description

one eighth inch = one foot 0 4 8 16

U.S. DEPARTMENT OF VETERANS AFFAIRS ROYAL C. JOHNSON VETERANS MEMORIAL MEDICAL CENTER

COMMON ABBREVIATIONS

KO KNOCK OUT L LENGTH / ANGLE LAB LABORATORY LAM LAMINATE (ED) LAV LAVATORY	PED PERF	PARALLEL POUNDS PER CUBIC PEDESTAL
LB POUND LF LINEAR FEET LH LEFT HAND LKR LOCKER LOC LOCATION LONG LONGITUDINAL LT LIGHT LVR LOUVER LVT LUXURY VINYL TILE	PLMB PLYWD PNL PR PRCST PREFAB PSI	PERFORATED PERPENDICULAR PLATE PLASTIC LAMINATE PLUMBING PLYWOOD PANEL PAIR/PROPOSAL RE PRECAST CONCRET PREFABRICATE POUNDS PER SQUA
MAS MASONRY MATL MATERIAL MAX MAXIMUM MC MEDICINE CABINET MECH MECHANICAL MEMB MEMBRANE MEZZ MEZZANINE	PT PTD PTN PTR PVC	POUNDS PER SQUA PAINT / PRESSURE PAPER TOWEL DISF PARTITION PAPER TOWEL REC POLYVINYL CHLORI QUARRY TILE
MEZZ MEZZANINE MFR MANUFACTURE (R) MIN MINIMUM MISC MISCELLANEOUS MO MASONRY OPENING MR MIRROR MTL METAL 	R RB RBR RCP RD REBAR REC RFF	RADIUS/RISER RUBBER BASE RUBBER REFLECTED CEILING ROOF DRAIN REINFORCING BAR
NIC NOT IN CONTRACT NO NUMBER NOM NOMINAL NTS NOT TO SCALE	REQ REQD RES	

00 ON CENTER OUTSIDE DIAMETER OFOI OWNER FURNISHED/OWNER INSTALLED OFCI OWNER FURNISHED/ CONTRACTOR INSTALLED OVERHEAD OH

TREATE -----

-----NG PLAN RIGERATOR ING), (MENT)

REVISION (S), REVISED REQUEST FOR INFORMATION REQUEST FOR PROPOSAL

REV

RFI

RFP

RH

RM

RO

RIGHT HAND RIDGE LINE ROOM ROUGH OPENING ROW RIGHT OF WAY

SOUTH SPLASH BLOCK SOLID CORE SCHED SCHEDULE SHOWER CURTAIN R SECTION SOAP DISPENSEF SQUARE FOOT SHEET SHTHG SHEATHING SIMILAR SIM SLIDING SLDG SLNT SEALANT SANITARY NAPKIN DISPENSER SND SANITARY NAPKIN DISPOSA SLAB ON GRADE SPECIFICATION (S SQUARE SOLID SURFACE MATERIA STAINI ESS STEE STRFFT SOUND TRANSMISSION CLASS STANDARD STEEL STL STOR STORAGE

RVS REVERSE (SIDE)

RAIN WATER LEADER

RWL

SV

SW

T&B

T&G

TBD

TER

TFE

THD

TO

ΤB

STRUCT STRUCTURAL SUSP SUSPENDED SHEET VINYL SHEARWALL SYM SYMMETRICAL TREAD TOP AND BOTTOM

TONGUE AND GROOVE TOWEL BAR TO BE DETERMINED TEMP TEMPORARY/TEMPEREI TERRAZZO TOP FOOTING ELEVATION THREAD (ED) (S) THK THICKNESS THRU THROUGH TKBD TACKBOARD

TILE TOP OF TOB TOP OF BEAM TOC TOP OF CONCRETE/CURB

TOD TOP OF DECK TOF TOP OF FOOTING (FOUNDATION) TOM TOP OF MASONRY TOP TOP OF PIER TOP OF JOIST TOP OF SLAB/STEEL TOS TOP OF WALL TOW TPD TOIL FT PAPER DISPENSE THERMOPLASTIC POLYOLEFIN TPO TPTN TOILET PARTITION FRANS TRANSVERSE TUBE STEEL TYPICAL ΓYΡ UNDERGROUND UH UNIT HEATER UNFIN UNFINISHED UNO UNLESS NOTED OTHERWISE UON UNLESS OTHERWISE NOTED UTIL UTILITY SHEAR VAR VARIES VB VAPOR BARRIER VC VA FURNISHED / CONTRACTOR INSTALLED VCT VINYL COMPOSITION TILE VERT VERTICAL VEST VESTIBULE VERIFY IN FIELD VIF

VAPOR RETARDER VR VV VA FURNISHED / VA INSTALLED VWC VINYL WALL COVERING W WEST/WIDTH W/ WITH W/O WITHOUT WA WEDGE ANCHOR WB WOOD BASE WC WATER CLOSET WD WOOD/WOODWORK WDW WINDOW WF (W) WIDE FLANGE WG WALL GUARD WH WATER HEATER NI WROUGHT IRON WIND LOAD WP WATERPROOF (ING) WR WATER RESISTANT WSCT WAINSCOT

WT WEIGHT/WINDOW TREATMENT

WWF WELDED WIRE FABRIC

MEDICAL ABBREVIATIONS ACPH AIR CHANGES PER HOL BSC BIOLOGICAL SAFETY C CACI COMPUNDING ASEPTI ISOLATOR C-PEC CONTAINMENT PRIM ENGINEERING CONT CONTAINMENT SECON ENGINEERING CONTR ENVIRONMENTAL PRO AGENCY HAZARDOUS DRUG HEPA HIGH-EFFICIENCY P INTRAVENEOUS LAFW LAMINAR AIRFLOW W OCCUPATIONAL SAF HEALTH ADMINSTRAT PERSONAL PROTECT STANDARD OPERATIN SOP UNINTERUPTED POWE UPS

VICINITY MAP

of ction lities ment Approved:			SYMBOLS LE	EGEND			
Salanda and a set of the set of t			BATT INSULATION		- CENTER LINE INDICATOR		01 - GENER G-000
Sing Listi Listi Exercise		$ \frac{1}{2} \int_{-\infty}^{\infty} d^2 x \int_{-\infty}^{\infty} d$	GYPSUM BOARD	··· ···	CONTRACT LIMIT LINE		G-001 G-002 G-003
REALTER VALUE VAL	RY		EARTH		- DEMOLITION LINE		G-004 G-005
Provide and the second of the	TION		CONCRETE		- EXISTING TO REMAIN		05 - ARCHIT AD-101 AD-102
Set 0 Image: S	JLATE AIR		RIGID INSULATION		FEATURE ABOVE LINE INDICATOR	۲	06 - ARCHIT AE-101
HARMMAN HA			EXISTING CONSTRUCTION TO BE REMOVED		FIRE RESISTIVE RATED LINE, 1 H	OUR	AE-102 AE-103 AE-401
ADDROUGLOOK (SOFTHLOD):	ROCEDURE		NEW CONSTRUCTION		FIRE RESISTIVE RATED LINE, 2 H	OUR	AE-402 AE-501
Province	UUNUL		WOOD ROUGH (CONTINUOUS)		FIRE RATED, FIRE/SMOKE BARRI	ER LINE, 1 HOUR	AE-601 AF-101 08 - FIRE PI
Contraction and a second a			WOOD ROUGH (SPACED)		FIRE RATED, FIRE/SMOKE BARRI	ER LINE, 2 HOUR	FA-101 09 - PLUMB
Contraction Contracti			PLYWOOD		FIRE RATED, SMOKE BARRIER LI	NE, 1 HOUR	P-001 PD-101 P-101
In the last is a model of the interval of			BLOCK WALL/VENEER		FIRE RATED, SMOKE BARRIER LI	NE, 2 HOUR	P-501 10 - MECHA
Image: set of the set of th			DIMENSION LINE		HIDDEN LINE FEATURES		M-001 M-002
PROTEINUUE PROTEINUE			BREAKLINE		- NEW LINE		MD-101 MD-102 MH-101
Image: State of the state)		- PROPERTY LINE		MH-102 MP-101
Image: Sector in the secto			DETAIL INDICATOR		r		M-501 M-502 M-601
Contraction Notice Provide and the provid							11 - ELECTF ED-101
A - 1 SV III OR OF LARGOVER AND BADE SET OF HERE AND HERE ADDITIONS OF A DIAL CONTROL OF A DIAL C							ED-102 E-101 E-200
F = - LORING F			DETAIL INDICATOR	A = 3 5/8" MTL STUD, (1) LAY B = 6" MTL STUD, (1) LAYER	(ER GYP BD BOTH SIDES GYP BD BOTH SIDES		E-201 E-202
A B B B				F = FURRING			E-301
NUMBER SUBJER SECTION INDICATOR OTHER POSSIBLE LODGHERS				A = ONE SIDED G.W.B. B = 42" HIGH WALL			
SUMB PATINGS SUMD PATINGS ATMON ATTMON ATMON ATTMON ATTMON ATMON ATTMON ATMON ATTMON ATTTTION ATTMON ATTMON ATTMON ATTMON			BUILDING SECTION INDICATOR	OTHER POSSIBLE MODIFIEF	<u>RS</u>		
				SOUND RATINGS			
Contractor supplied a installed Contractor supplied a ins				1 = 1 HOUR 2 = 2 HOUR			
Provide The Arrow Suppled & Contractor Suppled & INSTALLED		X-XX X-XX	ELEVATION INDICATOR, EXTERIOR				
Correction C	ALL	\bullet	ELEVATION INDICATOR				
Contractor installed Contractor insta				XX DRAWING TITLE	DRAWING BLOCK TITLE, TYPICAL		
			CENTER LINE	<u> </u>	DETAIL INDICATOR FOR SMALL COND	ITIONS	
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ELEVATION INDICATOR, INTERIOR MULTIPLE VIEW	929	X					
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Issue Dat	rtment					Issue Date	
ans Affairs						11/09/2020	

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SHEET INDEX
ER SHEET
ESSIBILITY DETAILS, PCRA, ICLM
ESSIBILITY DETAILS
SAFETY CODE REVIEW & PHASING PLANS
UND FLOOR EXIT EGRESS
EQUIPMENT PATH
L DEMOLITION
UND FLOOR DEMOLITION PLAN
UND FLOOR DEMOLITION CEILING PLAN
L
UND FLOOR PLAN
LECTED CEILING PLAN
FLOOR AND ROOF PLAN
ARGED PLANS & INTERIOR ELEVATIONS
RIOR ELEVATIONS
AILS
R AND WINDOW SCHEDULE AND DETAILS
RIOR FINISHES
ON
PROTECTION DEMO/REMODEL & DETAILS PLAN
MBING SYMBOLS AND ABBREVIATIONS
MBING DEMOLITION PLAN
T LEVEL PLUMBING PLAN
MBING DETAILS AND SCHEDULES
HANICAL SYMBOLS SHEET
HANICAL STRIDULS SHEET HANICAL ABBREVIATIONS AND GENERAL NOTES
HANICAL ADDITEVIATIONS AND GENERAL NOTES
HANICAL DEMOLITION PLAN
T LEVEL HVAC PLAN
C PLAN
C PIPING PLANS
HANICAL DETAILS
HANICAL DETAILS
HANICAL SCHEDULES
CTRICAL DEMOLITION PLAN
CTRICAL DEMOLITION LIGHTING PLAN
CTRICAL LIGHTING PLAN

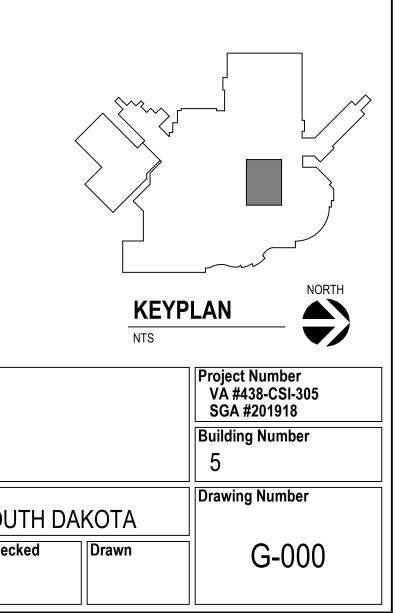
FIRST LEVEL OVERALL ELECTRICAL POWER PLAN

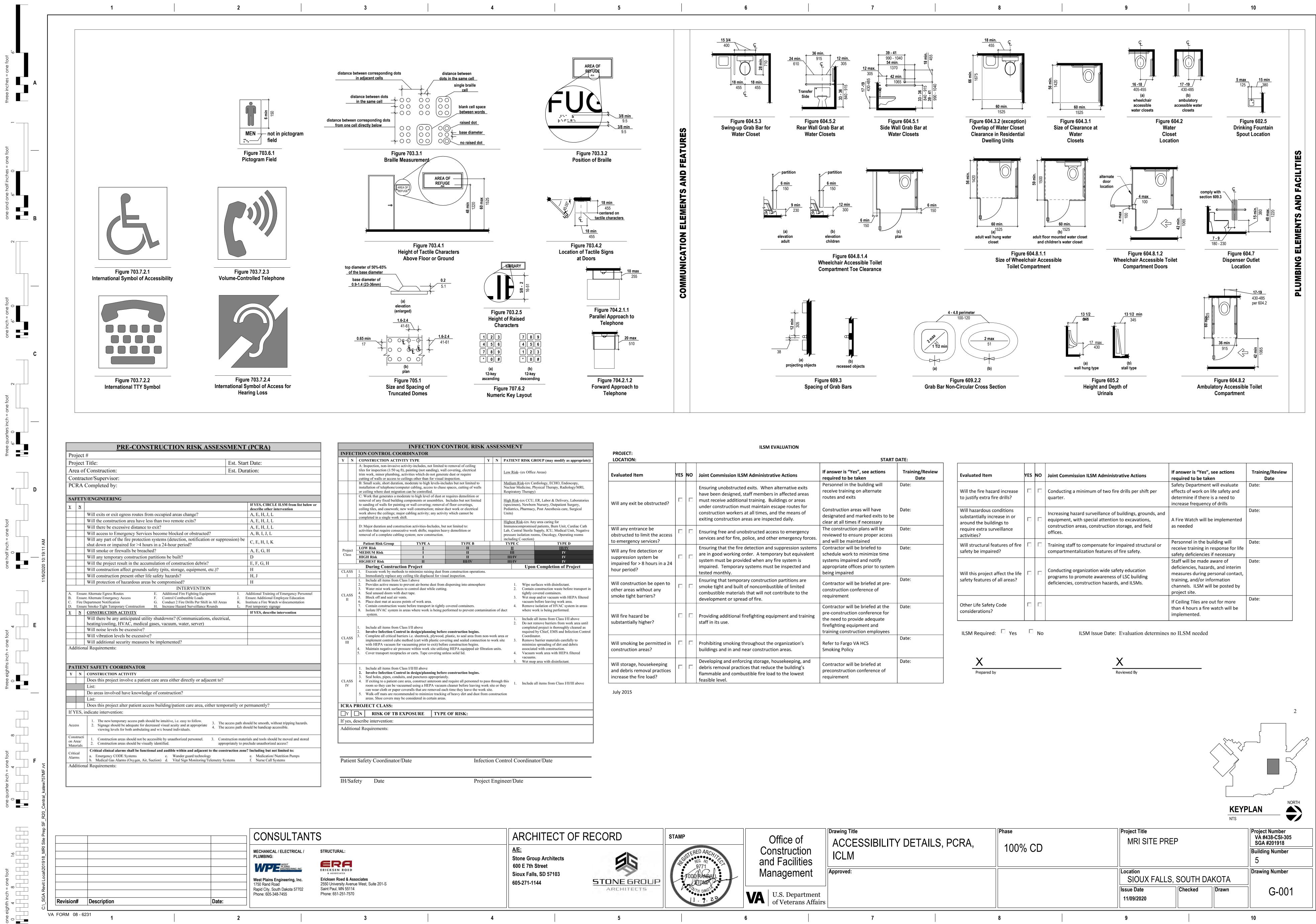
ELECTRICAL SECOND FLOOR PLAN ELECTRICAL SCHEDULES AND DETAILS

ELECTRICAL POWER AND TELECOMMUNICATIONS PLAN

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CTIV			V	N	DATIENT DISK C	
	ITY TYPE activity-includes, not limited to	o removal of ceiling	Y	N	PATIENT RISK G	ROUP (may modify as appropriate)
50 sq f	t), painting (not sanding), wal activities which do not genera	covering, electrical			Low Risk- (ex Offic	e Areas)
	ceilings other than for visual in					
luratio	n, moderate to high levels-incl	udes but not limited to				ardiology, ECHO, Endoscopy,
ne/computer cabling, access to chase spaces, cutting of walls migration can be controlled.					Nuclear Medicine, P Respiratory Therapy	Physical Therapy, Radiology/MRI,
s a mo	derate to high level of dust or					
	g components or assemblies. ng or wall covering; removal					, ER, Labor & Delivery, Laboratories n Nursery, Outpatient Surgery,
	ew wall construction; minor d					y, Post Anesthesia care, Surgical
	or cabling activity; any activit	y which cannot be			Units)	
work s					Highest Risk-(ex An	y area caring for
	ruction activities-Includes, but				Immunocompromise	ed patients, Burn Unit, Cardiac Cath
	utive work shifts; requires hea g system; new construction.	vy demolition or				Supply, ICU, Medical Unit, Negative oms, Oncology, Operating rooms
					including C-section)	
р	TYPE A	TYPE B II	_		TYPE C II	TYPE D III/IV
	I					IV
	I	II			III/IV	IV
ructi	II on Project	III/IV				IV n Completion of Project
	ds to minimize raising dust fro	m construction operations			epor	
i air ve access ion wa item in rom C Cont cal bar l cube m for air pr	duct tape. nts. points of work area. ste before transport in tightly areas where work is being pe lass I/II above rol in design/planning before riers i.e. sheetrock, plywood, j method (cart with plastic cove vacuuming prior to exit) before essure within work site utilizin eles or carts. Tape covering un	rformed to prevent contant e construction begins. plastic, to seal area from ne tring and sealed connection re construction begins. ng HEPA equipped air filtu	on-wa	ork are vork si	 Wet moy vacuum Remove where w Include Do not r complet required a or Coordin te Remove minimiz associat Vacuum vacuum 	e barrier materials carefully to ze spreading of dirt and debris ed with construction. n work area with HEPA filtered
Cont condu	lass I/II/III above rol in design/planning before its, and punctures appropriatel re area, construct anteroom an- uumed using a HEPA vacuum coveralls that are removed eac umended to minimize tracking	y. d require all personnel to p c cleaner before leaving wo h time they leave the work of heavy dirt and dust fro	ork si k site.	te or th	ney 1. Include	all items from Class I/II/III above
paper e recon	be considered in certain areas.					
paper e recon	be considered in certain areas.					
paper e recon s may	be considered in certain areas.	OF RISK:				

ILSM EVALUATION					
LOCATION:				START I	DATE:
Evaluated Item	YES	NO	Joint Commission ILSM Administrative Actions	If answer is "Yes", see actions required to be taken	Training/Review Date
Will any exit be obstructed?			Ensuring unobstructed exits. When alternative exits have been designed, staff members in affected areas must receive additional training. Buildings or areas under construction must maintain escape routes for construction workers at all times, and the means of exiting construction areas are inspected daily.	Personnel in the building will receive training on alternate routes and exits Construction areas will have designated and marked exits to be clear at all times if necessary	Date: Date:
Will any entrance be obstructed to limit the access to emergency services?			Ensuring free and unobstructed access to emergency services and for fire, police, and other emergency forces.	The construction plans will be reviewed to ensure proper access and will be maintained	Date:
Will any fire detection or suppression system be impaired for > 8 hours in a 24 hour period?			Ensuring that the fire detection and suppression systems are in good working order. A temporary but equivalent system must be provided when any fire system is impaired. Temporary systems must be inspected and tested monthly.	Contractor will be briefed to schedule work to minimize time systems impaired and notify appropriate offices prior to system being impaired	Date:
Will construction be open to other areas without any smoke tight barriers?			Ensuring that temporary construction partitions are smoke tight and built of noncombustible of limited combustible materials that will not contribute to the development or spread of fire.	Contractor will be briefed at pre- construction conference of requirement	Date:
Will fire hazard be substantially higher?			Providing additional firefighting equipment and training staff in its use.	Contractor will be briefed at the pre-construction conference for the need to provide adequate firefighting equipment and training construction employees	Date:
Will smoking be permitted in construction areas?			Prohibiting smoking throughout the organization's buildings and in and near construction areas.	Refer to Fargo VA HCS Smoking Policy	Date:
Will storage, housekeeping and debris removal practices increase the fire load?			Developing and enforcing storage, housekeeping, and debris removal practices that reduce the building's flammable and combustible fire load to the lowest feasible level.	Contractor will be briefed at preconstruction conference of requirement	Date:
July 2015					

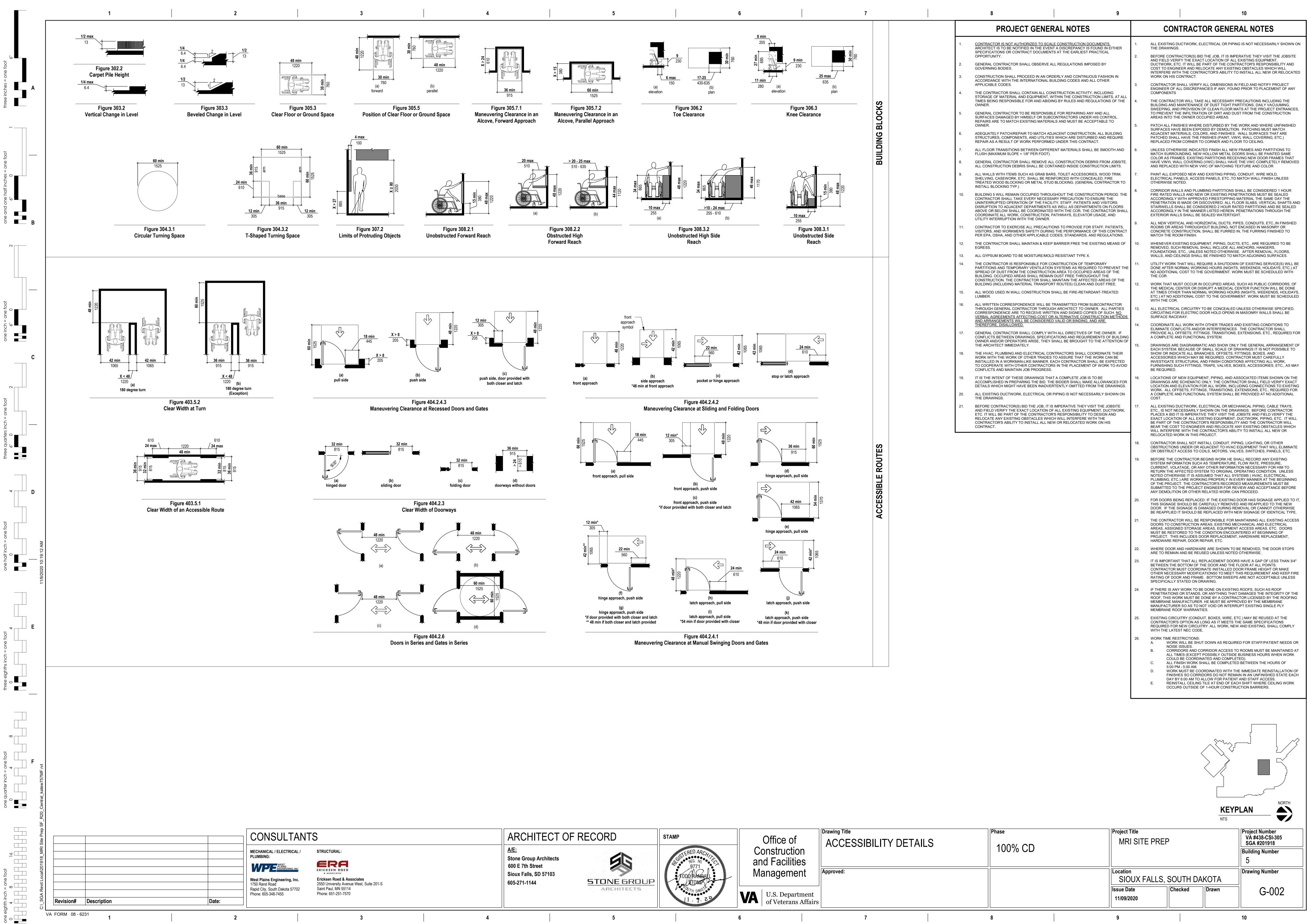
Evaluated Item	YES	NO	Joint Commission ILSM Administrative Actions	If answer is "Yes", see actions required to be taken	Training/Review Date
Will the fire hazard increase to justify extra fire drills?			Conducting a minimum of two fire drills per shift per quarter.	Safety Department will evaluate effects of work on life safety and determine if there is a need to increase frequency of drills	Date:
Will hazardous conditions substantially increase in or around the buildings to require extra surveillance activities?			Increasing hazard surveillance of buildings, grounds, and equipment, with special attention to excavations, construction areas, construction storage, and field offices.	A Fire Watch will be implemented as needed	Date:
Will structural features of fire safety be impaired?			Training staff to compensate for impaired structural or compartmentalization features of fire safety.	Personnel in the building will receive training in response for life safety deficiencies if necessary	Date:
Will this project affect the life safety features of all areas?			Conducting organization wide safety education programs to promote awareness of LSC building deficiencies, construction hazards, and ILSMs.	Staff will be made aware of deficiencies, hazards, and interim measures during personal contact, training, and/or information channels. ILSM will be posted by project site.	Date:
Other Life Safety Code considerations?				If Ceiling Tiles are out for more than 4 hours a fire watch will be implemented.	Date:

e of uction cilities	Drawing Title ACCESSIBILITY DETAILS, PCRA, ICLM	Phase 100% CD	Project Title MRI SITE PREP
	Approved:		Location SIOUX FALLS, SOUT
epartment erans Affairs			Issue Date 11/09/2020
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ARCHITECT OF	- RECORD	STAMP		Office
<u>A/E:</u> Stone Group Architects 600 E 7th Street Sioux Falls, SD 57103 605-271-1144	STONE GROUP	PEG. NO. 9771 TODD/RANBALL	ar	onstruc nd Facil anager
	AREHITEET5	TODORANDALL STOLE SQUTH DANOT	VA	U.S. Dep of Vetera

e of iction ilities	Drawing Title ACCESSIBILITY DETAILS	Phase 100% CD	Project Title MRI SITE PREP	
ment	Approved:		Location SIOUX FALLS, S	SOUTH
epartment erans Affairs			Issue Date 11/09/2020	Checked
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TWORK, ELECTRICAL OR PIPING IS NOT NECESSARILY SHOWN ON
TOR(S) BID THE JOB, IT IS IMPERATIVE THEY VISIT THE JOBSITE THE EXACT LOCATION OF ALL EXISTING EQUIPMENT, T WILL BE PART OF THE CONTRACTOR'S RESPONSIBILITY AND R AND RELOCATE ANY EXISTING OBSTACLES WHICH WILL THE CONTRACTOR'S ABILITY TO INSTALL ALL NEW OR RELOCATED
ITRACT. ILL VERIFY ALL DIMENSIONS IN FIELD AND NOTIFY PROJECT DISCREPANCIES IF ANY, FOUND PRIOR TO PLACEMENT OF ANY
WILL TAKE ALL NECESSARY PRECAUTIONS INCLUDING THE NTENANCE OF DUST TIGHT PARTITIONS, DAILY VACUUMING, ROVISION OF CLEAN FLOOR MATS AT THE PROJECT ENTRANCES, NFILTRATION OF DIRT AND DUST FROM THE CONSTRUCTION WNER OCCUPIED AREAS.
ES WHERE DISTURBED BY THE WORK AND WHERE UNFINISHED BEEN EXPOSED BY DEMOLITION. PATCHING MUST MATCH ALS, COLORS, AND FINISHES. WALL SURFACES THAT ARE AVE THE FINISHES (PAINT, VINYL WALL COVERING, ETC.) CORNER TO CORNER AND FLOOR TO CEILING.
SE INDICATED FINISH ALL NEW FRAMES AND PARTITIONS TO DING. NEW HOLLOW METAL DOORS SHALL BE PAINTED SAME S. EXISTING PARTITIONS RECEIVING NEW DOOR FRAMES THAT COVERING (VWC) SHALL HAVE THE VWC COMPLETELY REMOVED TH NEW VWC OF MATCHING TEXTURE AND COLOR
D NEW AND EXISTING PIPING, CONDUIT, WIRE MOLD, LS, ACCESS PANELS, ETC.,TO MATCH WALL FINISH UNLESS D.
AND PLUMBING PARTITIONS SHALL BE CONSIDERED 1 HOUR S AND NEW OR EXISTING PENETRATIONS MUST BE SEALED "H APPROVED FIRESTOPPING MATERIAL THE SAME DAY THE IADE OR DISCOVERED. ALL FLOOR SLABS, VERTICAL SHAFTS AND L BE CONSIDERED 2 HOUR RATED PARTITIONS AND BE SEALED "HE MANNER LISTED HEREIN. PENETRATIONS THROUGH THE SHALL BE SEALED WATERTIGHT.
L AND HORIZONTAL DUCTS, PIPES, CONDUITS, ETC.,IN FINISHED THROUGHOUT BUILDING, NOT ENCASED IN MASONRY OR RUCTION, SHALL BE FURRED IN, THE FURRING FINISHED TO FINISH.
NG EQUIPMENT, PIPING, DUCTS, ETC., ARE REQUIRED TO BE REMOVAL SHALL INCLUDE ALL ANCHORS, HANGERS, C., UNLESS NOTED OTHERWISE. AFTER REMOVAL; FLOORS, NGS SHALL BE FINISHED TO MATCH ADJOINING SURFACES.
T WILL REQUIRE A SHUTDOWN OF EXISTING SERVICE(S) WILL BE MAL WORKING HOURS (NIGHTS, WEEKENDS, HOLIDAYS, ETC.) AT DST TO THE GOVERNMENT. WORK MUST BE SCHEDULED WITH
OCCUR IN OCCUPIED AREAS, SUCH AS PUBLIC CORRIDORS, OF TER OR DISRUPT A MEDICAL CENTER FUNCTION WILL BE DONE HAN NORMAL WORKING HOURS (NIGHTS, WEEKENDS, HOLIDAYS, IONAL COST TO THE GOVERNMENT. WORK MUST BE SCHEDULED
IRCUITRY TO BE CONCEALED UNLESS OTHERWISE SPECIFIED. LECTRIC DOOR HOLD OPENS IN MASONRY WALLS SHALL BE AY.
WORK WITH OTHER TRADES AND EXISTING CONDITIONS TO CTS AND/OR INTERFERENCES. THE CONTRACTOR SHALL SETS, FITTINGS, TRANSITIONS, EXTENSIONS, ETC., REQUIRED FOR FUNCTIONAL SYSTEM.
AGRAMMATIC AND SHOW ONLY THE GENERAL ARRANGEMENT OF CAUSE OF SMALL SCALE OF DRAWINGS IT IS NOT POSSIBLE TO E ALL BRANCHES, OFFSETS, FITTINGS, BOXES, AND ICH MAY BE REQUIRED. CONTRACTOR MUST CAREFULLY JCTURAL AND FINISH CONDITIONS AFFECTING ALL WORK, I FITTINGS, TRAPS, VALVES, BOXES, ACCESSORIES, ETC., AS MAY
W EQUIPMENT, PIPING, AND ASSOCIATED ITEMS SHOWN ON THE CHEMATIC ONLY. THE CONTRACTOR SHALL FIELD VERIFY EXACT EVATION FOR ALL WORK, INCLUDING CONNECTIONS TO EXISTING TS, FITTINGS, TRANSITIONS, EXTENSIONS, ETC., REQUIRED FOR FUNCTIONAL SYSTEM SHALL BE PROVIDED AT NO ADDITIONAL
TWORK, ELECTRICAL OR MECHANICAL PIPING, CABLE TRAYS, SSARILY SHOWN ON THE DRAWINGS. BEFORE CONTRACTOR IMPERATIVE THEY VISIT THE JOBSITE AND FIELD VERIFY THE DF ALL EXISTING EQUIPMENT, DUCTWORK, PIPING, ETC. IT WILL ONTRACTOR'S RESPONSIBILITY AND THE CONTRACTOR WILL D ENGINEER AND RELOCATE ANY EXISTING OBSTACLES WHICH VITH THE CONTRACTOR'S ABILITY TO INSTALL ALL NEW OR (IN THIS PROJECT.
ALL NOT INSTALL CONDUIT, PIPING, LIGHTING, OR OTHER NDER OR ADJACENT TO HVAC EQUIPMENT THAT WILL ELIMINATE CESS TO COILS, MOTORS, VALVES, SWITCHES, PANELS, ETC.
TRACTOR BEGINS WORK HE SHALL RECORD ANY EXISTING TION SUCH AS TEMPERATURE, FLOW RATE, PRESSURE, IGE, OR ANY OTHER INFORMATION NECESSARY FOR HIM TO CTED SYSTEM TO ORIGINAL OPERATING CONDITION. UNLESS E IT IS ASSUMED THAT ALL SYSTEMS (HVAC, ELECTRICAL, RE WORKING PROPERLY IN EVERY MANNER AT THE BEGINNING THE CONTRACTOR'S RECORDED MEASUREMENTS MUST BE E PROJECT ENGINEER FOR REVIEW AND ACCEPTANCE BEFORE OR OTHER RELATED WORK CAN PROCEED.
REPLACED: IF THE EXISTING DOOR HAS SIGNAGE APPLIED TO IT, DULD BE CAREFULLY REMOVED AND REAPPLIED TO THE NEW NAGE IS DAMAGED DURING REMOVAL OR CANNOT OTHERWISE HOULD BE REPLACED WITH NEW SIGNAGE OF IDENTICAL TYPE.
WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING ACCESS RUCTION AREAS, EXISTING MECHANICAL AND ELECTRICAL STORAGE AREAS, EQUIPMENT ACCESS AREAS, ETC. DOORS ED TO THE CONDITION ENCOUNTERED AT BEGINNING OF CLUDES DOOR REPLACEMENT, HARDWARE REPLACEMENT, R, DOOR REPAIR, ETC.
HARDWARE ARE SHOWN TO BE REMOVED, THE DOOR STOPS ND BE REUSED UNLESS NOTED OTHERWISE.
HAT ALL REPLACEMENT DOORS HAVE A GAP OF LESS THAN 3/4" ITOM OF THE DOOR AND THE FLOOR AT ALL POINTS. ST COORDINATE INSTALLED DOOR FRAME HEIGHT OR MAKE Y MODIFICATIONS0 TO MEET THIS REQUIREMENT AND KEEP FIRE AND FRAME. BOTTOM SWEEPS ARE NOT ACCEPTABLE UNLESS ITED ON DRAWING.
ORK TO BE DONE ON EXISTING ROOFS, SUCH AS ROOF STANDS, OR ANYTHING THAT DAMAGES THE INTEGRITY OF THE MUST BE DONE BY A CONTRACTOR LICENSED BY THE ROOFING FACTURER. HE MUST BE APPROVED BY THE MEMBRANE O AS TO NOT VOID OR INTERRUPT EXISTING SINGLE PLY WARRANTIES.
RY (CONDUIT, BOXES, WIRE, ETC.) MAY BE REUSED AT THE PTION AS LONG AS IT MEETS THE SAME SPECIFICATIONS W CIRCUITRY. ALL WORK, NEW AND EXISTING, SHALL COMPLY NEC CODE.
RICTIONS: LL BE SHUT DOWN AS REQUIRED FOR STAFF/PATIENT NEEDS OR GUES.
RS AND CORRIDOR ACCESS TO ROOMS MUST BE MAINTAINED AT S (EXCEPT POSSIBLY OUTSIDE BUSINESS HOURS WHEN WORK E COORDINATED AND COMPLETED). H WORK SHALL BE COMPLETED BETWEEN THE HOURS OF 5:00 AM.
IST BE COORDINATED WITH THE IMMEDIATE REINSTALLATION OF SO CORRIDORS DO NOT REMAIN IN AN UNFINISHED STATE EACH 00 AM TO ALLOW FOR PATIENT AND STAFF ACCESS.

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<u>PHASE 1:</u>

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04

RENOVATION MRI, MRI CONTROL, MECHANICAL ROOM, DRESSING ROOM SUITE, AND CORRIDORS C05 AND C05A FOR INSTALLATION OF THE NEW MRI MACHINE. (COORDINATE DELIVERY OF MRI MACHINE WITH REMAINING PORTION OF PHASE 1.)

2

3

4

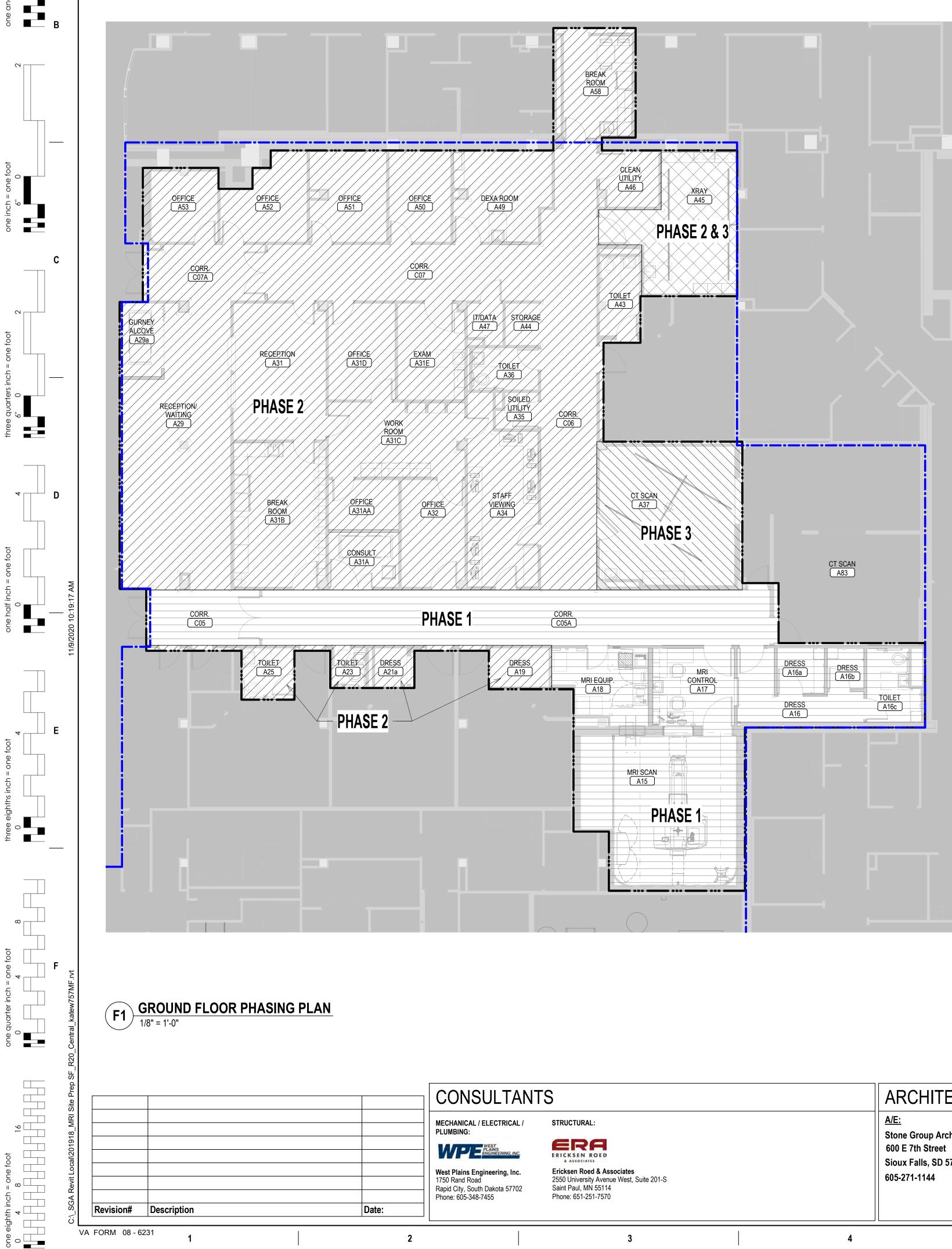
5

PHASE 2:

RENOVATE FINISHES WITHIN EXISTING RADIOLOGY DEPARTMENT AND CREATE EGRESS ACCESS. CONSTRUCTION WITHIN THIS PHASE TWO SHALL ALLOW 24 HOUR ACCESS TO MRI, AND CT SCAN A37 OR A83.

PHASE 3:

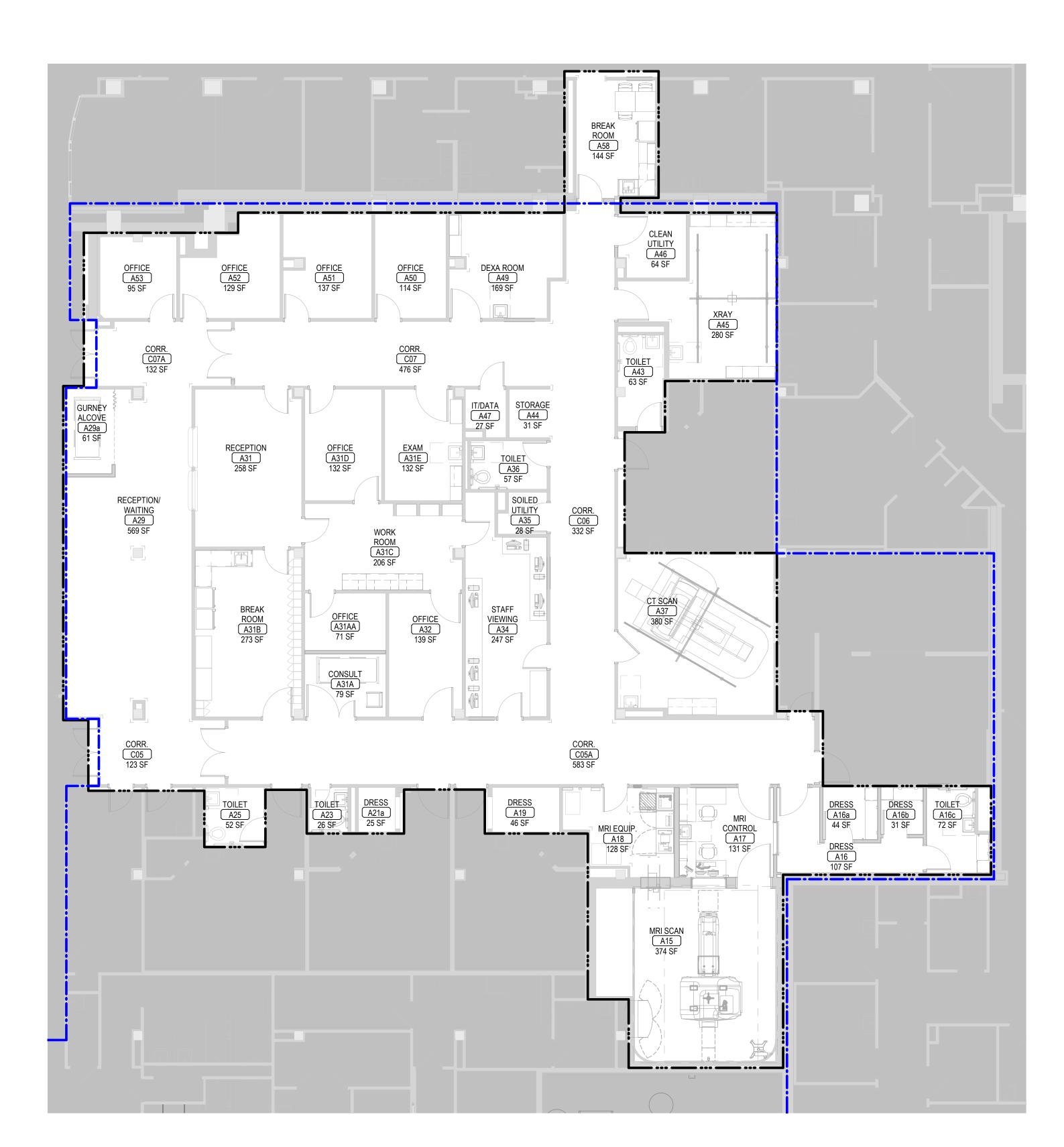
INSTALLATION OF CT LIFTS XRAY A45 AND CT A37.



VA FORM 08 - 6231

Revision# Description

Date:



F5 GROUND FLOOR CODE PLAN 1/8" = 1'-0"

ARCHITECT OF RECORD

Stone Group Architects Sioux Falls, SD 57103

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STONE GROUP AREHITEET5

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e of iction ilities	Drawing Title LIFE SAFETY CODE F PHASING PLANS	REVIEW &	Phase 100% CD		Project Title MRI SITE PRE	Ρ
	Approved:				Location SIOUX FALLS	SOUTH
epartment erans Affairs					Issue Date 11/09/2020	Checked
	7		8		9	

PROJECT INFORMATION: 1. CONSTRUCTION PURPOSE: RENOVATION 2. REASON FOR SUBMITTAL: RENOVATION

9

UNKNOWN

6. DESIGN TEAM:

3. I CERTIFY THAT TO THE BEST OF OUR KNOWLED SUBMITTED PLANS FOR THE ABOVE-REFERENCED PROJECT COMPLY WITH THE REQUIREMENTS OF T FOLLOWING: NFPA 101-18 (AND ALL REFERENCED DOCUMENTS) 2018 INTERNATIONAL MECHANICAL CODE (IMC) 2015 UNIFORM PLUMBING CODE (UPC) 2017 NATIONAL ELECTRICAL CODE (NFPA-70) 2018 LIFE SAFETY CODE (NFPA-101) 2015 ABA ACCESSIBILITY STANDARDS BARRIER FREE DESIGN 2018 IBC WITH LOCAL AMENDMENTS ASHRAE STANDARD 90.1 (2007) ASHRAE 62.1 (2007) 4. LOCATION OF ANY ANTICIPATED FUTURE ADDITIC

5. OWNER: DEPARTMENT OF VETERANS AFFAIRS OFFICE OF CONSTRUCTION AND FACILITIES MANAG ROYAL C. JOHNSON VETERANS MEMORIAL MEDICA CENTER 2501 W 22ND STREET PO BOX 5046 SIOUX FALLS SD 57117-5046

ARCHITECT: STONE GROUP ARCHITECTS 600 E 7th STREET SIOUX FALLS, SD 57103 605-271-1144 ARCHITECT: TODD STONE CONTACT: TODD STONE TODD.STONE@STONEGROUPARCH.COM ERICKSEN ROED & ASSOCIATES 2550 UNIVERSITY AVENUE WEST

SUITE 423-S SAINT PAUL, MN 55114 651-251-7570 CONTACT: STEVE CLAARK (STRUCTURAL) SCLARK@ERAENG.COM

7. ARCHITECTS SEAL: SEE STAMP AT BOTTOM 8. FIRE SERVICE: CITY OF SIOUX FALLS FIRE DEPAI 9. INSPECTION: VISN SAFETY OFFICER 10. OCCUPANCY GROUP TYPE: OCCUPANCY - BUSINESS

BUILDING CODES

NOTE: ALL WORK IS TO BE PERFORMED TO THE LAT EDITION OF THE FOLLOWING CODES, ORDINANCES WHICH INCLUDE, BUT ARE NOT LIMITED TO: VA DIRECTIVES, DESIGN MANUALS, MAST GUIDE, AND OTHER GUIDANCE INFORMAT INTERNATIONAL BUILDING CODE (IBC) (OF DOCUMENTS) NFPA 101 LIFE SAFETY CODE NFPA NATIONAL FIRE CODES WITH THE E OCCUPATIONAL, SAFETY AND HEALTH AD VA SEISMIC DESIGN REQUIREMENTS, H-1 NATIONAL ELECTRICAL CODE (NEC) INTERNATIONAL PLUMBING CODE (IPC) ASME BOILER AND PRESSURE VESSEL C ASME CODE FOR PRESSURE PIPING ARCHITECTURAL BARRIER ACT ACCESSIE BARRIER FREE DESIGN GUIDE (PG-18-13) BUILDING CODE REQUIREMENTS FOR RÉ COMMENTARY (ACI 318) MANUAL OF STÈEL COŃSTRUCTION, LOA STRUCTURAL STEEL BUILDINGS, AMERICA ENERGY POLICY ACT OF 2005 (EPACT) DOE INTERIM FINAL RULE: ENERGY CON MULTI-FAMILY HIGH-RISE RESIDENTIAL B PARTS 433, 434, AND 435. FEDERAL LEADERSHIP IN HIGH PERFORM UNDERSTANDING (MOU) EXECUTIVE ORDER 13423: STRENGTHENI MANAGEMENT. THE PROVISIONS FOR CONSTRUCTION AN SECTION 01010 IF THE VA MASTER CONST VENTILATION FOR THE ACCEPTABLE INDO SAFETY STANDARD FOR REFRIGERATIO

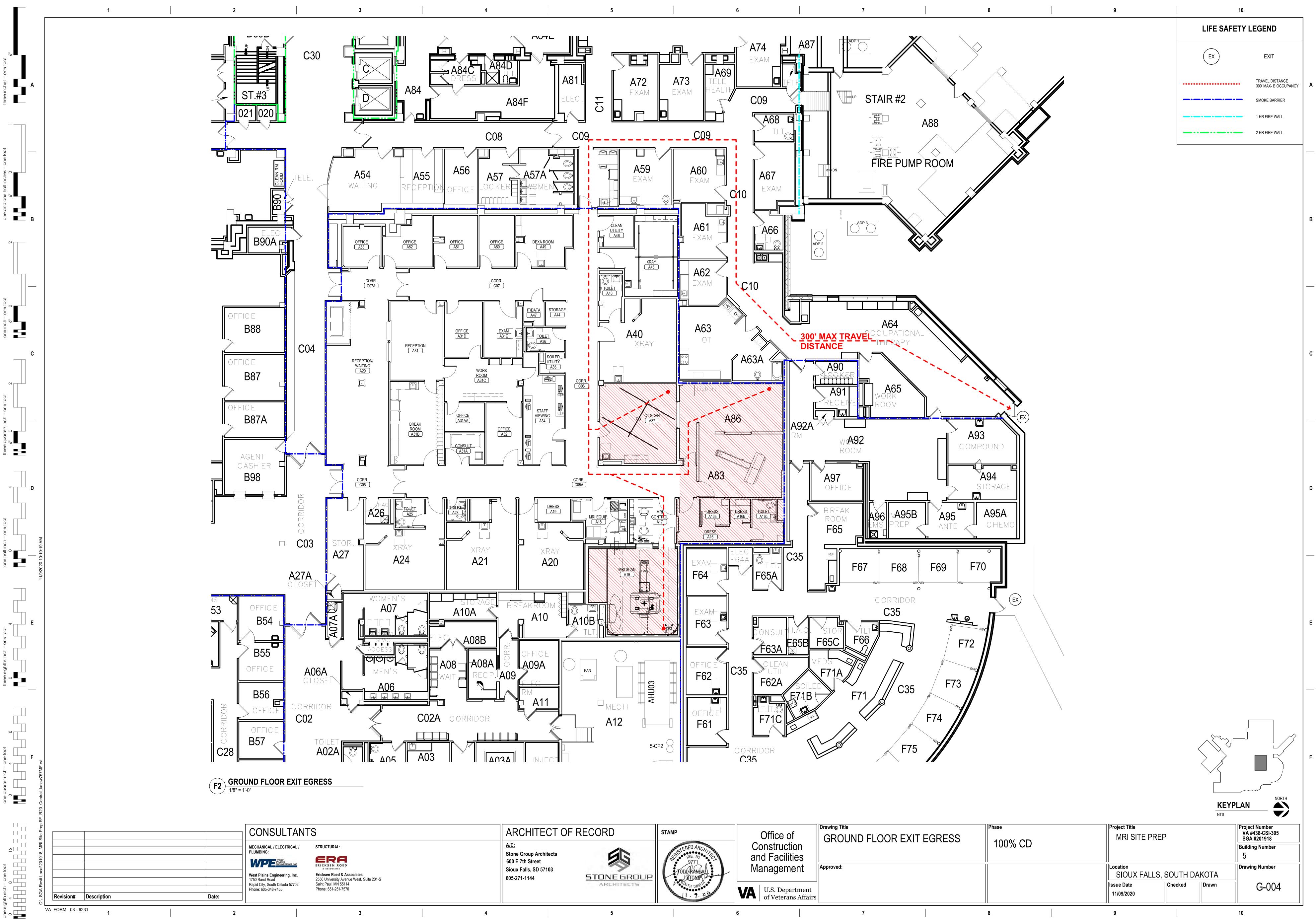
GENERAL CODE PLAN NOTI

Α.

ANY DISCREPANCIES OR CONFLICTS FOUND THE VARIOUS PARTS OF THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE OW BEFORE PROCEEDING WITH THE WORK. SMOKE SEALS ON ALL RATED DOORS. SEE MECHANICAL, ELECTRICAL AND PLUMBI DRAWINGS FOR ADDITIONAL INFORMATION.

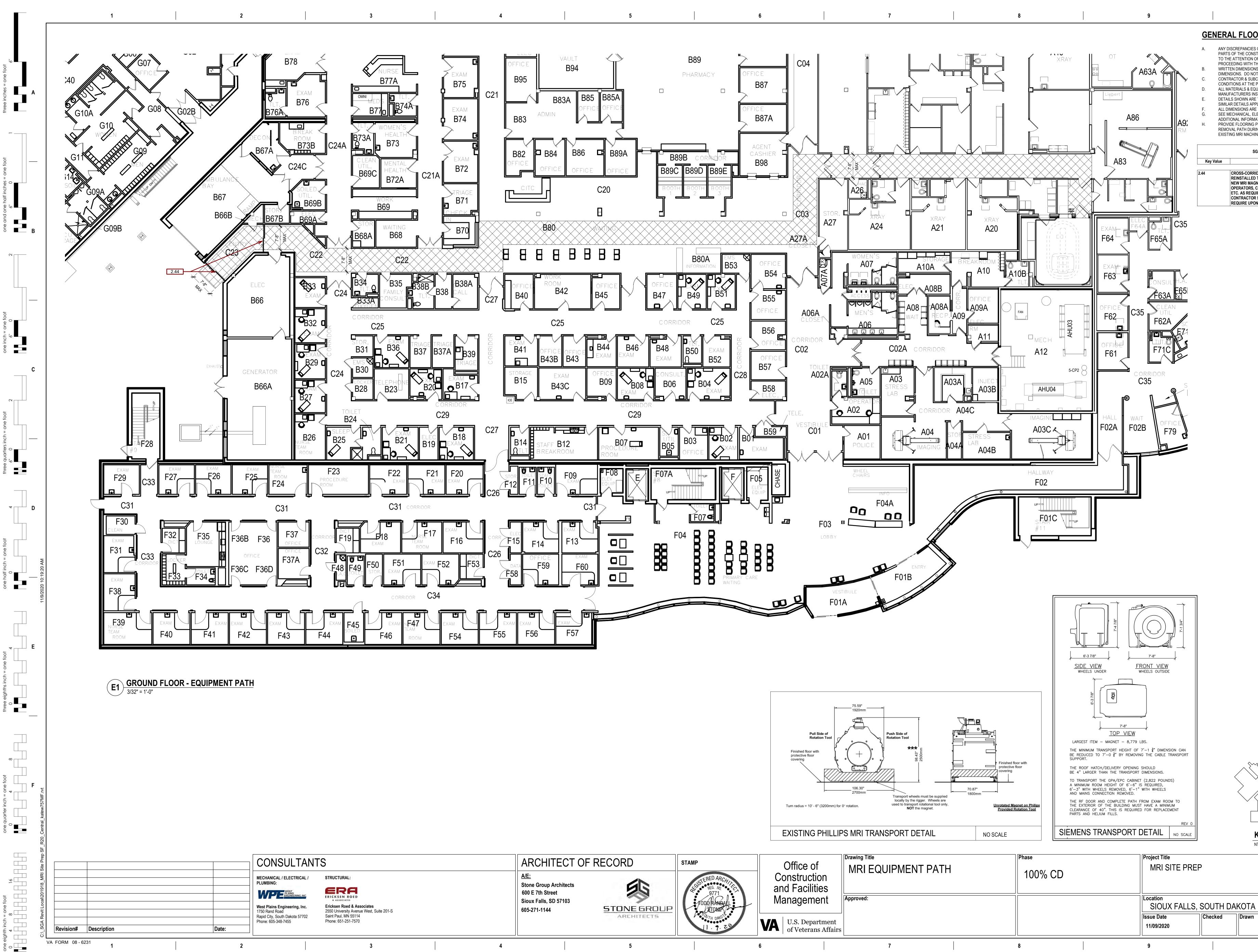
CODE INFORMATION

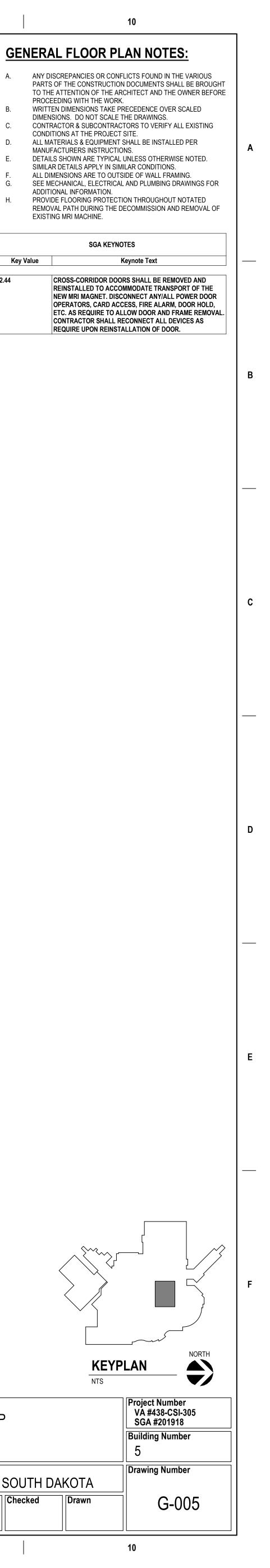
	11. CONSTRUCTION	I TYPE: TYPE II (222)	
Ð	PROJECT AREA: 7,0		
F THE S)			A
	ACTUAL HEIGHT: 72	MULTIPLE (EXISTING)	
TIONS:	C. <u>FIRE-RESISTANC</u> <u>ELEMENTS:</u> TYPE II- BEARING WALLS (E		
	BEARING WALLS IN NON-BEARING WAL PARTITIONS: 0 HR SMOKE BARRIERS I		
IAGEMENT CAL	STRUCTURAL FRAM FLOOR AND FLO ROOF AND ROOF SHAFT ENCLOSURE	OR/CEILING: 0 HR F/CEILING: 0 HR ES: 1 HR	
	312. ACTIVE FIRE SA		
	(b) GENERATOR P (c) BATTERY POW (d) HOOD SUPPRE (e) PORTABLE EXT	OWERED EMERGENCY LIGHTING ERED EXIT LIGHTING SSION SYSTEM TINGUISHERS R-HANDLING SHUT-DOWN	
	14. SEWAGE TREAT	: CITY OF SIOUX FALLS MENT: CITY OF SIOUX FALLS	В
	16. OCCUPATIONAL	JTE, LAVATORIES AND SIGNAGE	
	EGRESS CAPACITY STAIRWAY: .3 IN./PE DOOR: .2 IN./PERSC	ERSON	
PARTMENT	DEAD END CORRID	ORS: NOT TO EXCEED 50 FT TO EXIT: 300 FT	
	OCCUPANCY BASIS (18.3.7.1(2)) AT LEAS	IENTS: (USING HEALTHCARE) ST 2 PER FLOOR EXCEED 40,000 SF EACH	
S. GUI	DES, MAN	JALS	
ATEST			
ATION ON T	THE TECHNICAL INFO	ONAL CAD STANDARD APPLICATION RMATION LIBRARY (TIL) ERENCED IN VA DESIGN	с
	N OF NFPA 5000 AND ATION (OSHA) STANE		
CODE SIBILITY STA 3)	ANDARDS (ABAAS) IN	CLUDING VA SUPPLEMENT,	
RÉINFORCE DAD AND RE	SISTANCE FACTOR E	CAN CONCRETE INSTITUTE AND DESIGN SPECIFICATIONS FOR	
NSERVATIC		STRUCTION (AISC) NEW FEDERAL, COMMERCIAL AND RESIDENTIAL BUILDINGS, 10 CFR	
RMANCE AN	ID SUSTAINABLE BUIL	DINGS: MEMORANDUM OF	
AND SAFE		ENERGY, AND TRANSPORTATION THE GENERAL REQUIRMENTS	
	QUALITY – ASHRAE S IS – ASHRAE STANDA	TANDARD 62.1 – 2004. RD 15 – 2007.	D
	COD	E PLAN LEGEND	
D IN ON			
WNER	0.0		
BING I.	EX	EXIT	
		OCCUPANT LOAD	
		LIMITS SMOKE BARRIER	
		1 HR FIRE WALL	E
<			F
		NORTH	
	KEYP NTS		
		Project Number VA #438-CSI-305 SGA #201918	
		Building Number 5	
TH DAI	KOTA	Drawing Number	
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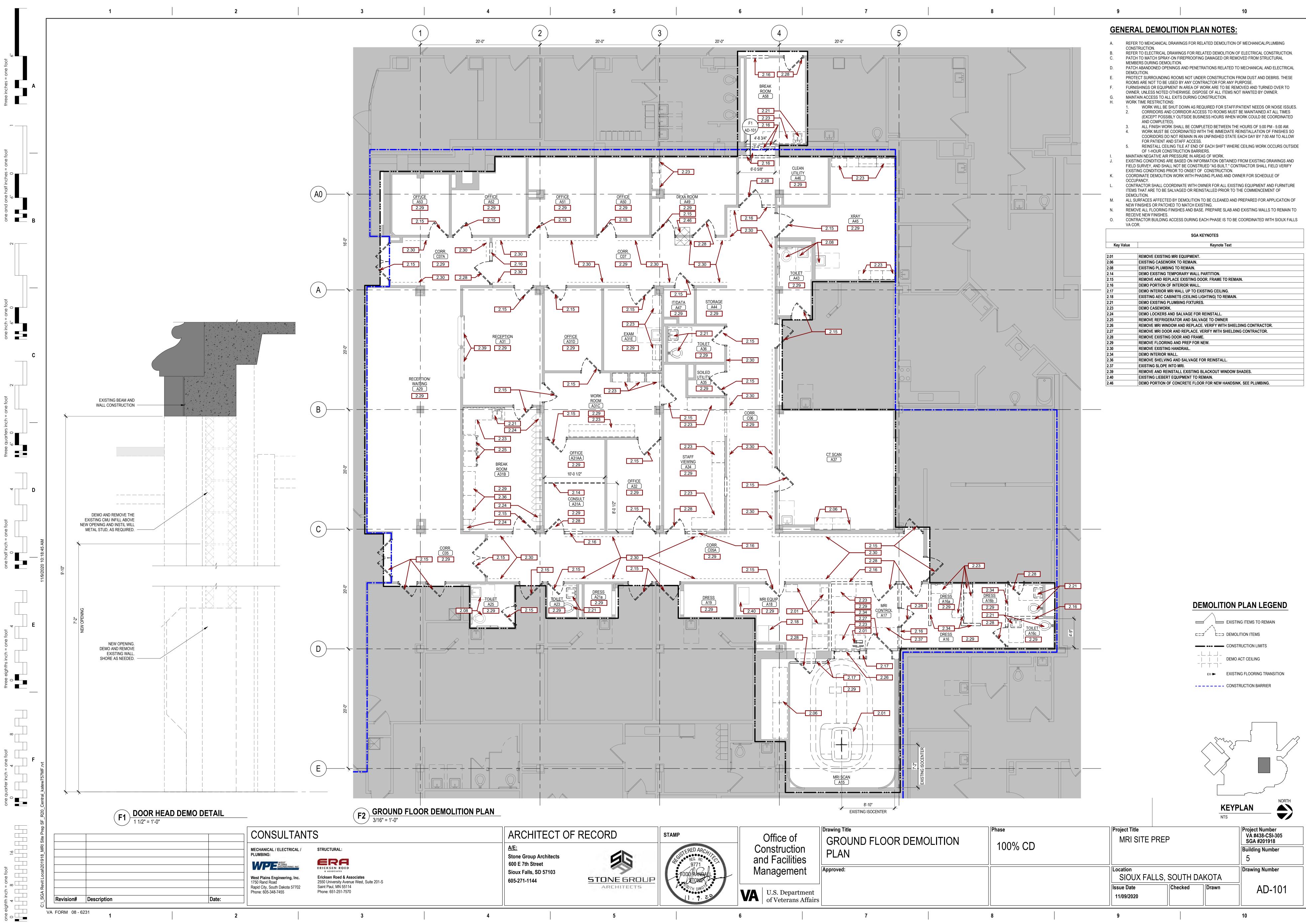


VA FORM 08 - 6231

e of uction cilities	Drawing Title GROUND FLOOR EXIT EGRESS		Phase 100% CD	Project Title MRI SITE PREP	
ement	Approved:			Location SIOUX FALLS	3, SOUTH
Pepartment erans Affairs				Issue Date 11/09/2020	Checked
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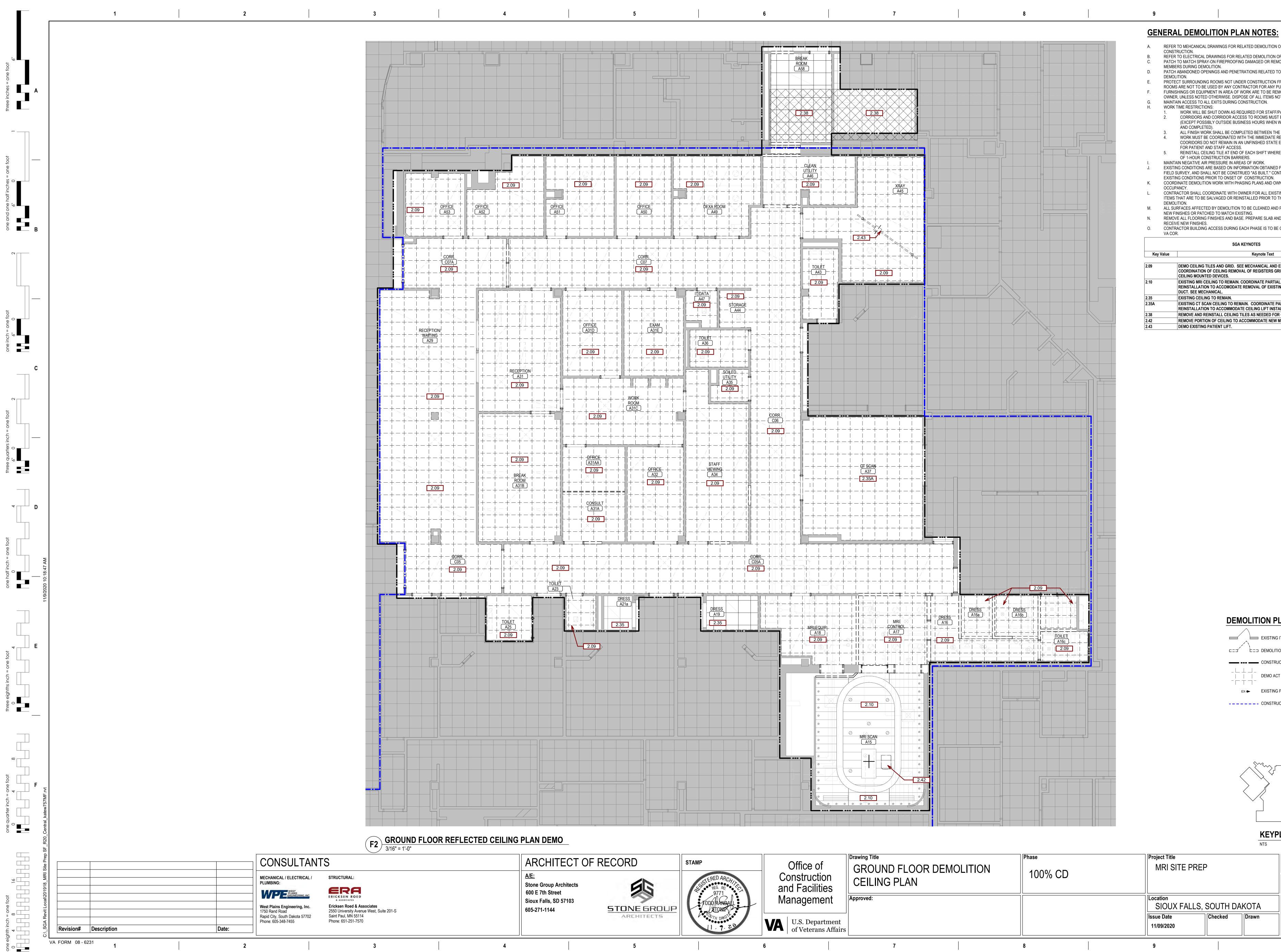






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Keynote Text
IPMENT.
EMAIN.
MAIN.
Y WALL PARTITION.
STING DOOR. FRAME TO REMAIN.
R WALL.
UP TO EXISTING CEILING.
EILING LIGHTING) TO REMAIN.
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AGE FOR REINSTALL.
ND SALVAGE TO OWNER
REPLACE. VERIFY WITH SHIELDING CONTRACTOR.
PLACE. VERIFY WITH SHIELDING CONTRACTOR.
ND FRAME.
EP FOR NEW.
IL.
LVAGE FOR REINSTALL.
XISTING BLACKOUT WINDOW SHADES.



of tion ities	Drawing Title GROUND FLOOR DEMOLITION CEILING PLAN		Phase 100% CD		Project Title MRI SITE PREP	
nent	Approved:				Location SIOUX FALLS, S	SOU
oartment ans Affairs					Issue Date 11/09/2020	Chec
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REFER TO MEHCANICAL DRAWINGS FOR RELATED DEMOLITION OF MECHANICAL/PLUMBING REFER TO ELECTRICAL DRAWINGS FOR RELATED DEMOLITION OF ELECTRICAL CONSTRUCTION. PATCH TO MATCH SPRAY-ON FIREPROOFING DAMAGED OR REMOVED FROM STRUCTURAL PATCH ABANDONED OPENINGS AND PENETRATIONS RELATED TO MECHANICAL AND ELECTRICAL PROTECT SURROUNDING ROOMS NOT UNDER CONSTRUCTION FROM DUST AND DEBRIS. THESE ROOMS ARE NOT TO BE USED BY ANY CONTRACTOR FOR ANY PURPOSE. FURNISHINGS OR EQUIPMENT IN AREA OF WORK ARE TO BE REMOVED AND TURNED OVER TO OWNER, UNLESS NOTED OTHERWISE. DISPOSE OF ALL ITEMS NOT WANTED BY OWNER. WORK WILL BE SHUT DOWN AS REQUIRED FOR STAFF/PATIENT NEEDS OR NOISE ISSUES. CORRIDORS AND CORRIDOR ACCESS TO ROOMS MUST BE MAINTAINED AT ALL TIMES (EXCEPT POSSIBLY OUTSIDE BUSINESS HOURS WHEN WORK COULD BE COORDINATED ALL FINISH WORK SHALL BE COMPLETED BETWEEN THE HOURS OF 5:00 PM - 5:00 AM. WORK MUST BE COORDINATED WITH THE IMMEDIATE REINSTALLATION OF FINISHES SO COORIDORS DO NOT REMAIN IN AN UNFINSHED STATE EACH DAY BY 7:00 AM TO ALLOW REINSTALL CEILING TILE AT END OF EACH SHIFT WHERE CEILING WORK OCCURS OUTSIDE EXISTING CONDITIONS ARE BASED ON INFORMATION OBTAINED FROM EXISTING DRAWINGS AND FIELD SURVEY, AND SHALL NOT BE CONSTRUED "AS BUILT." CONTRACTOR SHALL FIELD VERIFY COORDINATE DEMOLITION WORK WITH PHASING PLANS AND OWNER FOR SCHEDULE OF CONTRACTOR SHALL COORDINATE WITH OWNER FOR ALL EXISTING EQUIPMENT AND FURNITURE ITEMS THAT ARE TO BE SALVAGED OR REINSTALLED PRIOR TO THE COMMENCEMENT OF ALL SURFACES AFFECTED BY DEMOLITION TO BE CLEANED AND PREPARED FOR APPLICATION OF REMOVE ALL FLOORING FINISHES AND BASE. PREPARE SLAB AND EXISTING WALLS TO REMAIN TO 0. CONTRACTOR BUILDING ACCESS DURING EACH PHASE IS TO BE COORDINATED WITH SIOUX FALLS SGA KEYNOTES

Keynote Text

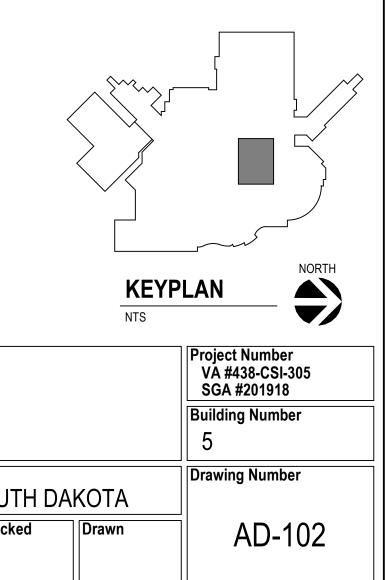
DEMO CEILING TILES AND GRID. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR COORDINATION OF CEILING REMOVAL OF REGISTERS GRILLES, SPRINKLERS, LIGHTS AND EXISTING MRI CEILING TO REMAIN. COORDINATE PARTIAL CEILING REMOVAL AND REINSTALLATION TO ACCOMODATE REMOVAL OF EXISTING QUENCH DUCT AND EXHAUST

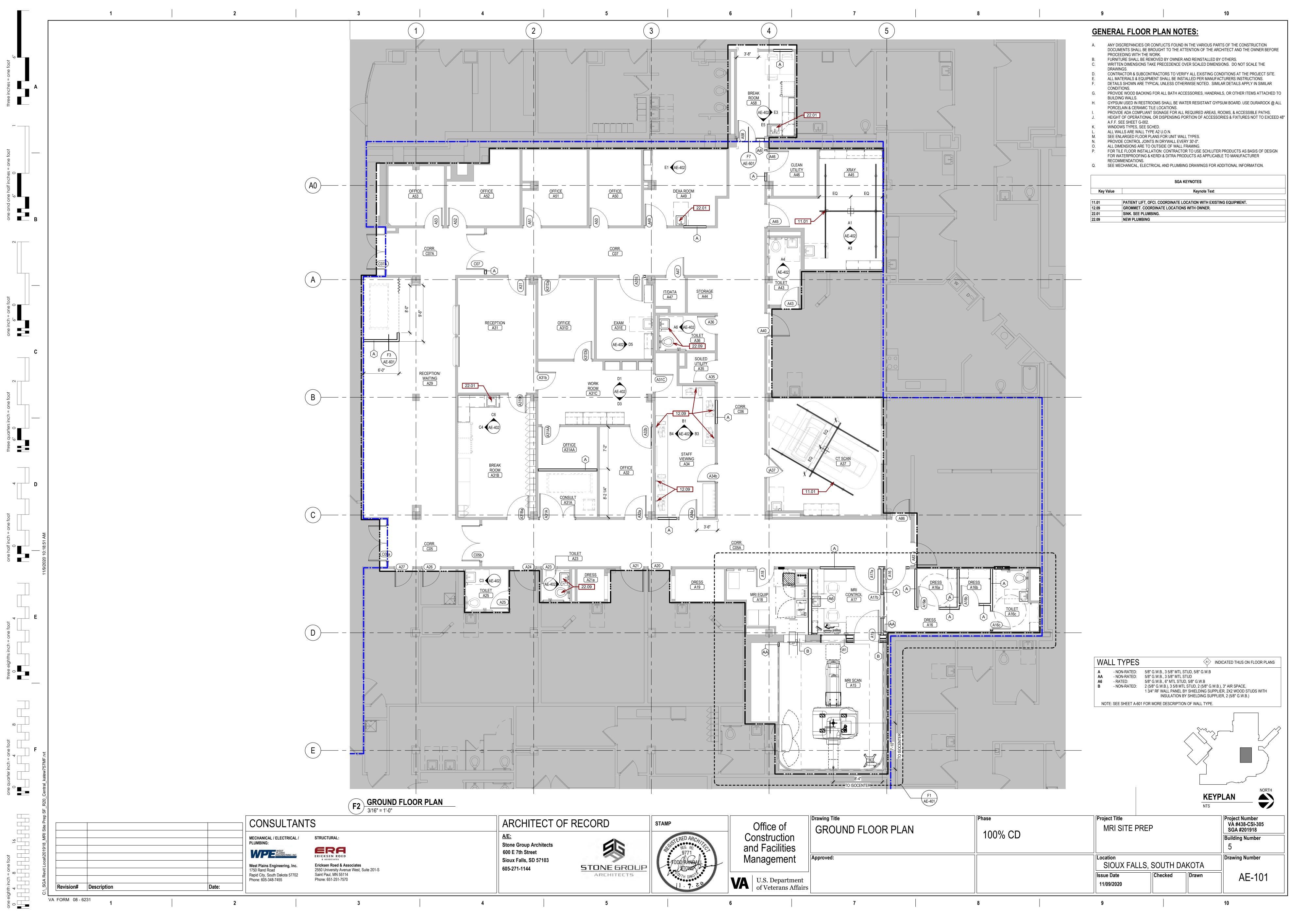
EXISTING CT SCAN CEILING TO REMAIN. COORDINATE PARTIAL CEILING REMOVAL AND REINSTALLATION TO ACCOMMODATE CEILING LIFT INSTALLATION. REMOVE AND REINSTALL CEILING TILES AS NEEDED FOR CONSTRUCTION. REMOVE PORTION OF CEILING TO ACCOMMODATE NEW MRI EQUIPMENT.

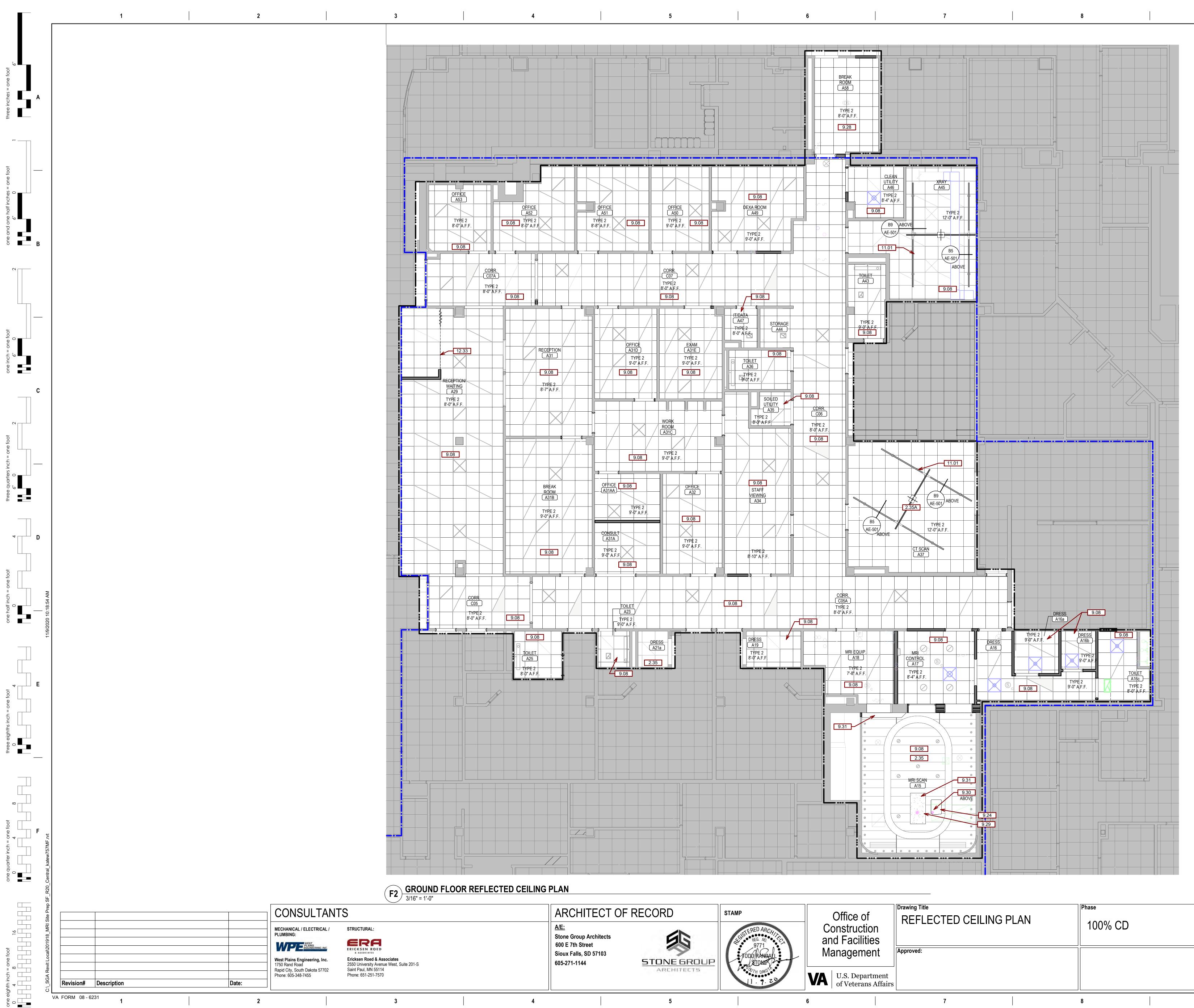
DEMOLITION PLAN LEGEND

 $-\Box \Box \Box -$

---- CONSTRUCTION LIMITS $- \square \square \square -$ | | | DEMO ACT CEILING EXISTING FLOORING TRANSITION ---- CONSTRUCTION BARRIER

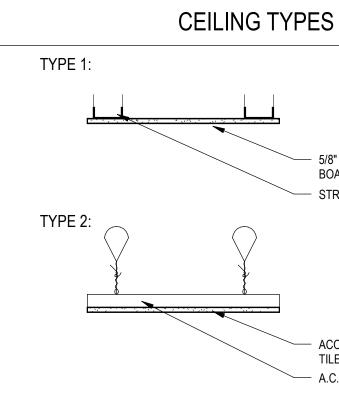






	REPANCIES FOUND IN THE VARIOUS PARTS OF THE CONSTRUCTION DOCUMENTS SHALL BE				
	TO THE ATTENTION OF THE ARCHITECTS AND THE OWNER BEFORE PROCEEDING WITH ALL				
	INSTALLED IN CEILINGS ARE TO BE CENTERED AND /OR SYMMETRICAL ON THE CENTERLINE S AND CENTERED IN TILES.				
INSTALL A POSSIBLE	LL WALL MOUNTED EXIT SIGNS AND OTHER FIXTURES CENTERED ABOVE OPENINGS WHERE				
ONLY. ME	ED CEILING PLANS SHOW LOCATIONS OF ITEMS THAT ARE ARCHITECTURALLY SIGNIFICANT CHANICAL AND ELECTRICAL ITEMS INDICATED ARE FOR REFERENCE ONLY. REFER TO CAL AND ELECTRICAL DOCUMENTS.				
	JSED IN RESTROOM AND OTHER AREAS EXPOSED TO MOISTURE SHALL BE WATER T GYPSUM BOARD.				
	ED CEILING TO BE CENTERED WITH THE BALANCE GRID DESIGN WITH EDGE UNITS NO LESS OF THE TILE SIZE.				
	PAINT HORIZONTAL AND VERTICAL FACES OF THE SOFFITS SPECIFIED PAINT COLOR, UNLESS NOTED OTHERWISE.				
ALL GYPS ALL BULK	HEAD HORIZONTAL AND VERTICAL FACES TO BE PAINTED PT-1, UNLESS NOTED OTHERWISE. UM BOARD CEILINGS TO BE PAINTED SPECIFIED ROOM COLOR, UNLESS OTHERWISE NOTED. HEADS TO EXTEND PAST ADJACENT CEILING HEIGHT 2" UNLESS OTHERWISE NOTED. ECTIONS REFER TO REFLECTED CEILING PLAN FOR CEILING/SOFFIT ELEVATIONS.				
	EIGHTS TO MATCH EXISTING HEIGHT OR NOT TO EXCEED 9'-0".				
	EIGHTS TO MATCH EXISTING HEIGHT OR NOT TO EXCEED 9'-0".				
CEILING H	EIGHTS TO MATCH EXISTING HEIGHT OR NOT TO EXCEED 9'-0".				
CEILING H	EIGHTS TO MATCH EXISTING HEIGHT OR NOT TO EXCEED 9'-0". SGA KEYNOTES Keynote Text				
CEILING H Key Value 2.35	EIGHTS TO MATCH EXISTING HEIGHT OR NOT TO EXCEED 9-0". SGA KEYNOTES Keynote Text EXISTING CEILING TO REMAIN. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR COORDINATION OF CEILING INSTALLATION WITH REGISTERS GRILLES, SPRINKLERS, LIGHTS AND CEILING MOUNTED				
CEILING H Key Value 2.35 9.08	EIGHTS TO MATCH EXISTING HEIGHT OR NOT TO EXCEED 9-0". SGA KEYNOTES Keynote Text EXISTING CEILING TO REMAIN. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR COORDINATION OF CEILING INSTALLATION WITH REGISTERS GRILLES, SPRINKLERS, LIGHTS AND CEILING MOUNTED DEVICES.				
CEILING H Key Value 2.35 9.08 9.24	EIGHTS TO MATCH EXISTING HEIGHT OR NOT TO EXCEED 9-0". SGA KEYNOTES Keynote Text EXISTING CEILING TO REMAIN. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR COORDINATION OF CEILING INSTALLATION WITH REGISTERS GRILLES, SPRINKLERS, LIGHTS AND CEILING MOUNTED DEVICES. RELOCATE OPENING IN SUSPENDED CEILING.				
CEILING H Key Value 2.35 9.08 9.24 9.28	EIGHTS TO MATCH EXISTING HEIGHT OR NOT TO EXCEED 9-0". SGA KEYNOTES Keynote Text EXISTING CEILING TO REMAIN. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR COORDINATION OF CEILING INSTALLATION WITH REGISTERS GRILLES, SPRINKLERS, LIGHTS AND CEILING MOUNTED DEVICES. RELOCATE OPENING IN SUSPENDED CEILING. REPLACE CEILING AS NEEDED FOR CONSTRUCTION. PATCH EXISTING CEILING TO ACCOMODATE REMOVAL OF EXISTING QUENCH DUCT AND				
CEILING H Key Value 2.35 9.08 9.24 9.28 9.29	EIGHTS TO MATCH EXISTING HEIGHT OR NOT TO EXCEED 9'-0". SGA KEYNOTES Keynote Text EXISTING CEILING TO REMAIN. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR COORDINATION OF CEILING INSTALLATION WITH REGISTERS GRILLES, SPRINKLERS, LIGHTS AND CEILING MOUNTED DEVICES. RELOCATE OPENING IN SUSPENDED CEILING. REPLACE CEILING AS NEEDED FOR CONSTRUCTION. PATCH EXISTING CEILING TO ACCOMODATE REMOVAL OF EXISTING QUENCH DUCT AND INSTALLATION OF NEW QUENCH DUCT AND EXHAUST. SEE MECHANICAL. CORE 17" DIAMETER MAX OPENING THROUGH EXISTING SLAB ABOVE. POSITION OPENING				

11.01 12.33



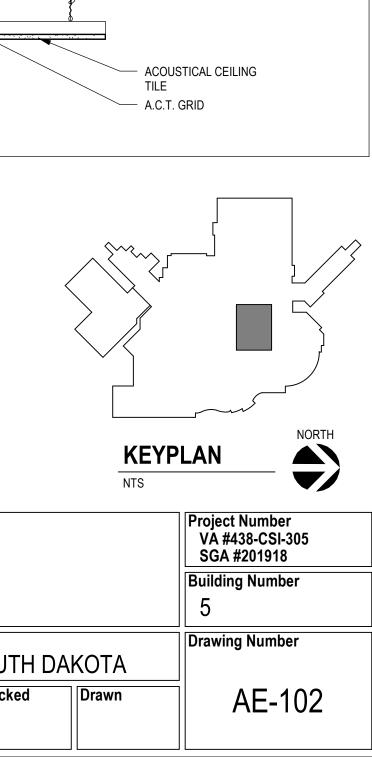
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ement	Approved:				Location SIOUX FALLS, S	SOUTH
Department erans Affairs					Issue Date 11/09/2020	Checked
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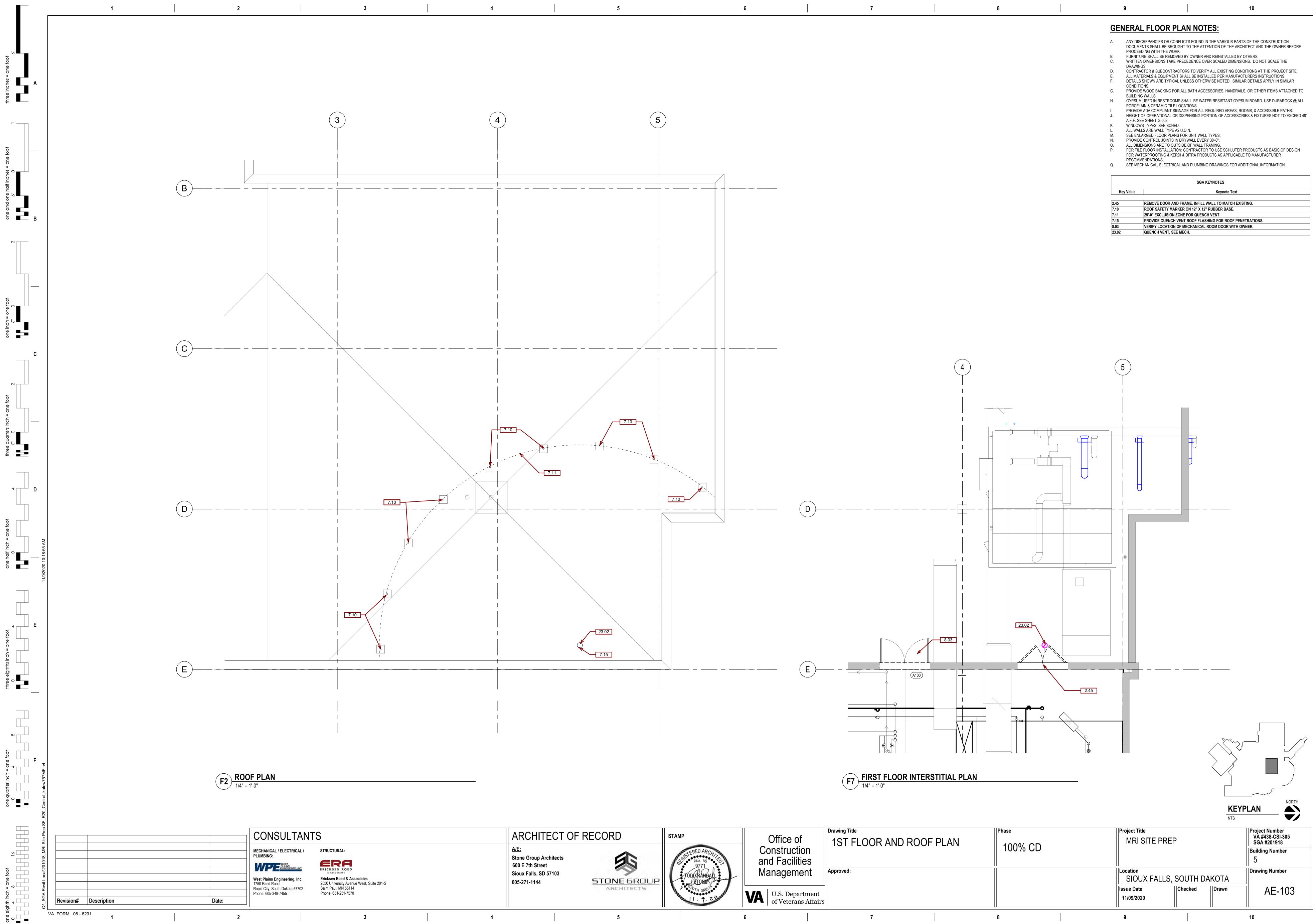
PATIENT LIFT, OFCI. COORDINATE LOCATION WITH EXISTING EQUIPMENT.

PRIVACY CURTAIN AND TRACK.

10

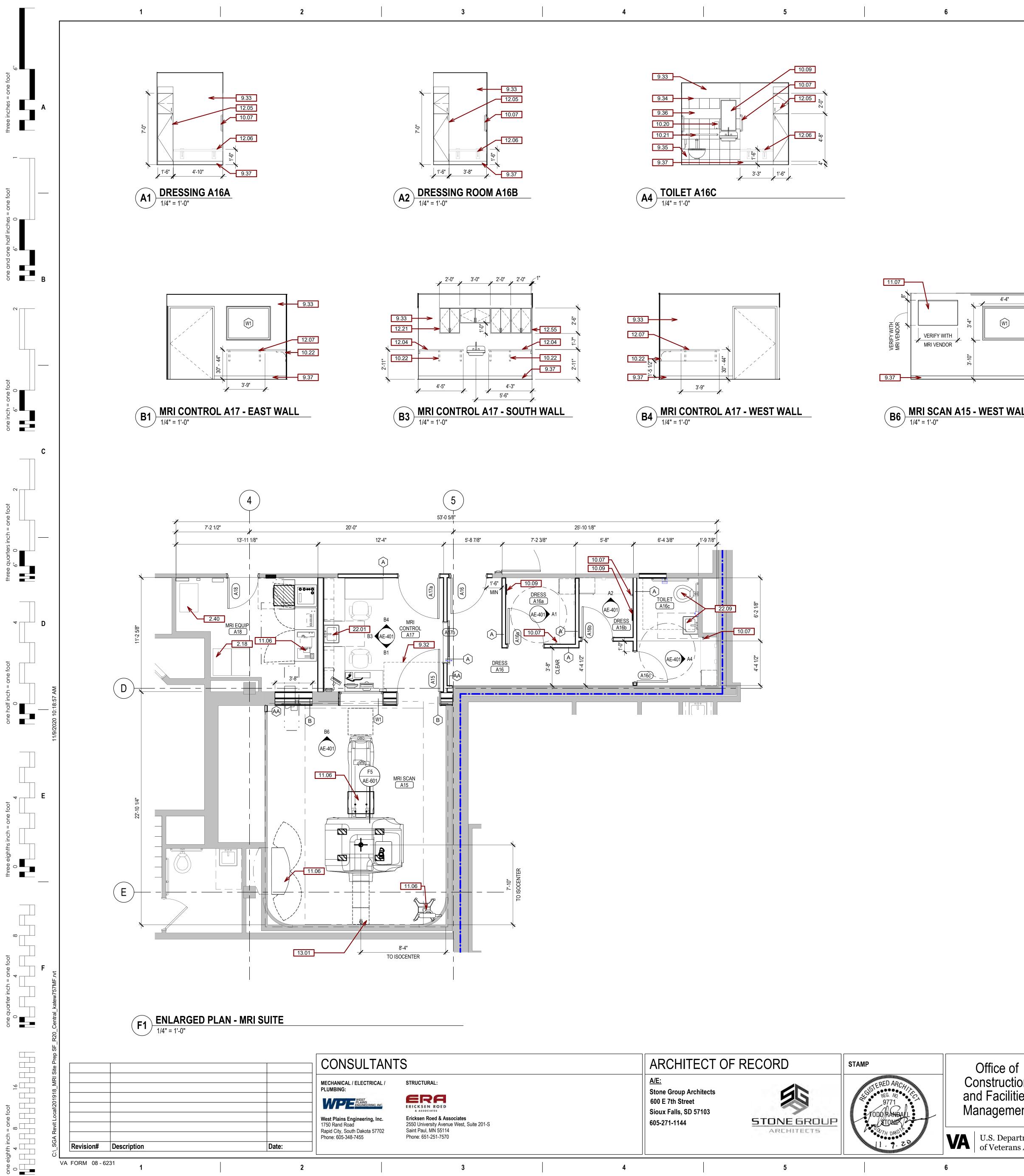
- 5/8" TYPE 'X' GYPSUM BOARD STRUCTURE ABOVE



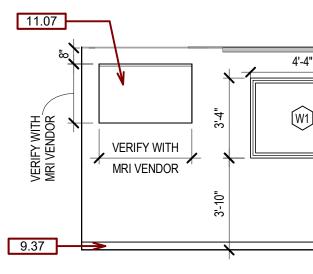


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erans Affairs					11/09/2020	
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<u>GEN</u>	<u>NERA</u>	L FLOOR PLAN
A.	DOCUM	SCREPANCIES OR CONFLICTS F ENTS SHALL BE BROUGHT TO T
В. С.	FURNIT	EDING WITH THE WORK. URE SHALL BE REMOVED BY O' N DIMENSIONS TAKE PRECEDE IGS
D. E. F.	CONTRA ALL MAT DETAILS	ACTOR & SUBCONTRACTORS T TERIALS & EQUIPMENT SHALL E S SHOWN ARE TYPICAL UNLESS
G. H.	BUILDIN	IONS. E WOOD BACKING FOR ALL BA' IG WALLS. M USED IN RESTROOMS SHALL
l. J.	PORCEL PROVID HEIGHT	AIN & CERAMIC TILE LOCATION E ADA COMPLIANT SIGNAGE F(OF OPERATIONAL OR DISPENS EE SHEET G-002.
K. L. M. N.	WINDOV ALL WAI SEE ENI PROVID	VS TYPES, SEE SCHED. LLS ARE WALL TYPE A2 U.O.N. LARGED FLOOR PLANS FOR UN E CONTROL JOINTS IN DRYWAI
0. P.	FOR TIL FOR WA	ENSIONS ARE TO OUTSIDE OF E FLOOR INSTALLATION: CONT TERPROOFING & KERDI & DITF MENDATIONS.
Q.	SEE ME	CHANICAL, ELECTRICAL AND P
Ke	ey Value	
2.45		REMOVE DOOR AND FRAME.
7.10		ROOF SAFETY MARKER ON 1
7.11		25'-0" EXCLUSION ZONE FOR
7.15		PROVIDE QUENCH VENT ROO
0 02		VERIFY LOCATION OF MECH
8.03 23.02		QUENCH VENT, SEE MECH.







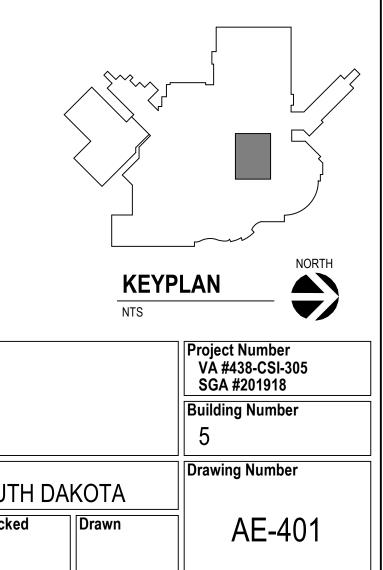


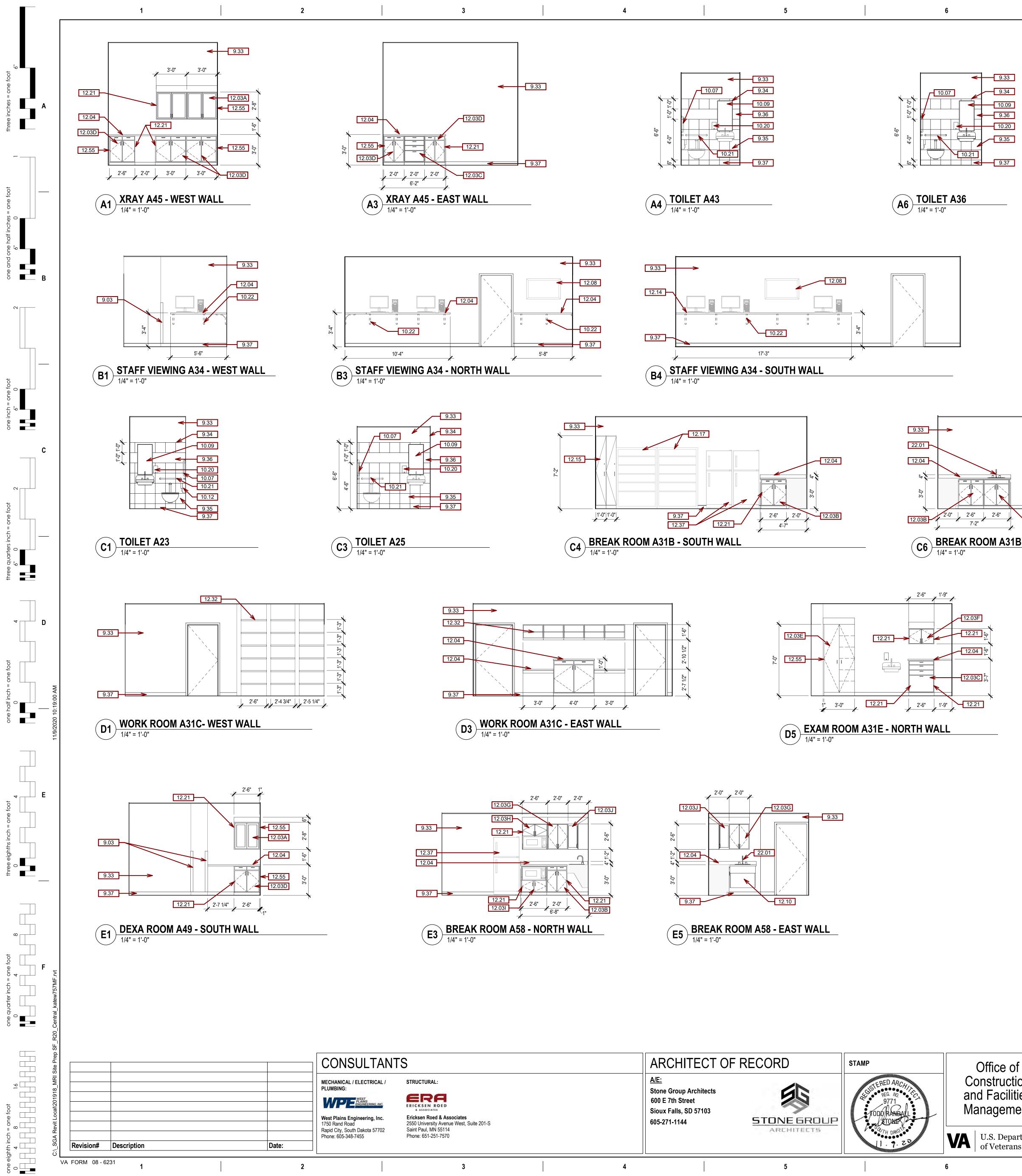
7	1	0			1	10
1		8	9			10
			GE	ENERAL ELEVATION	ON NOTES:	
			А.		NFLICTS FOUND IN THE VARIOUS	
			B. C.	FURNITURE IS PROVIDED ANI		ENSIONS. DO NOT SCALE THE
			D. E. F.	CONTRACTOR & SUBCONTRA ALL MATERIALS & EQUIPMEN DETAILS SHOWN ARE TYPICA	T SHALL BE INSTALLED PER MANU	CONDITIONS AT THE PROJECT SITE. JFACTURERS INSTRUCTIONS. IMILAR DETAILS APPLY IN SIMILAR
			G.	TO BUILDING WALLS.		RAILS, OR OTHER ITEMS ATTACHED
			H. I.	ALL PORCELAIN & CERAMIC T PROVIDE ADA COMPLIANT SI	ILE LOCATIONS. GNAGE FOR ALL REQUIRED AREA	BYPSUM BOARD. USE DURAROCK @ S, ROOMS, & ACCESSIBLE PATHS.
			J.	HEIGHT OF OPERATIONAL OF EXCEED 48" A.F.F.	R DISPENSING PORTION OF ACCE	SSORIES & FIXTURES NOT TO
			GE	NERAL CASEWO	<u>RK NOTES:</u>	
			А.	DOCUMENTS SHALL BE BROUG PROCEEDING WITH THE WORK	ζ.	RCHITECT AND THE OWNER BEFORE
			B. C.			CHANICAL & ELECTRICAL. OXIMATELY 3'-0" O.C. BRACKETS TO
			D. E.		EDGE TO PLAM. SUBMIT SAMPLE	JRFACES. ALL PLAM CABINETS TO S FOR APPROVAL.
			F.	MILLWORK SUPPLIER SHALL P COMPLETE INSTALLATION.	ROVIDE FILLER PANELS & SCRIBE	
			G. H. I.	DO NOT PROVIDE SIDESPLASH UNLESS OTHERWISE INDICATE	LL HAVE 1" THICK PARTICLE BOA I UNLESS OTHERWISE NOTED. ED, PROVIDE PRODUCTS OF QUAL QUALITY STANDARDS FOR PREM	ITY SPECIFIED BY AWI
			J.	INSTALL BLOCKING AS REQUIF MARKERBOARDS, ETC.	ONS AND COUNT WITH OWNER.	
9.33			K. L. M.		8" PER SIDE) BEHIND HOOD. REFE	R TO DRAWINGS FOR LOCATIONS.
					SGA KEYNOTES	
			Ke	ey Value	Keynote Text	
			2.18 2.40		ETS (CEILING LIGHTING) TO REMA QUIPMENT TO REMAIN.	IN.
			9.32	MAINTAIN EXISTING S	LOPE INTO MRI SCAN FROM MRI (CONTROL
			9.33	P-2. SEE FINISH SCHE		
			9.34 9.35	SCHLUTER EDGE TRI PT-2 WALL TILE. SEE		
			9.36	PT-3 MOSAIC TILE. SEE		
			9.37). SEE FINISH SCHEDULE.	
			10.07	18" VERTICAL GRAB	BARS.	
			10.09	18" X 36" MIRROR.		
			10.20	SOAP DISPENSER. OF	CI.	
			10.21	GRAB BARS.		
			10.22	UNDER-COUNTER BR		
			11.00		ENDOR.	
			12.04	COUNTERTOP. SEE F		LINDOR.
			12.04			USTABLE SHELVES AND COAT HOOK.
			12.06		INTED BENCH W/ STAINLESS STE	EL MOUNTING BRACKETS. ADD
			12.07	BLOCKING PER MANU		
			12.07	FINISHED END.		
			12.55	FILLER STRIP.		
			12.00			

e of iction cilities	Drawing Title ENLARGED PLANS & IN ELEVATIONS		^{hase} 100% CD	Project Title MRI SITE PREP)
ement	Approved:			Location SIOUX FALLS, S	SOUTH
epartment erans Affairs				Issue Date 11/09/2020	Checked
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FILLER STRIP. PATCH EXISTING SHIELDING AS NEEDED PER MANUFACTURER'S INSTRUCTIONS.

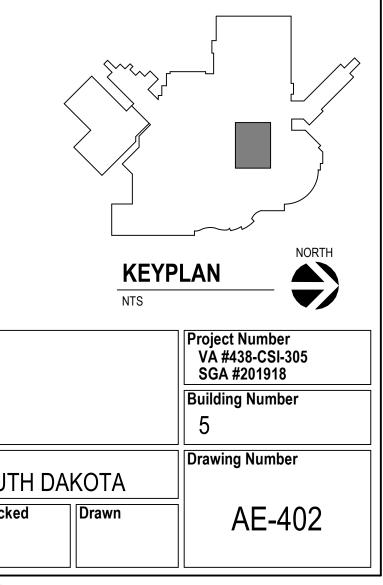
SINK. SEE PLUMBING. NEW PLUMBING





7	8	9		10	
		<u>GENERA</u>	L ELEVATION NOT	<u>ES:</u>	
				IN THE VARIOUS PARTS OF THE CONSTRUCTION	
		BEFOR	RE PROCEEDING WITH THE WORK. TURE IS PROVIDED AND INSTALLED BY		
		C. WRITTI DRAWI	EN DIMENSIONS TAKE PRECEDENCE C NGS.	OVER SCALED DIMENSIONS. DO NOT SCALE THE	
		E. ALL MA	ATERIALS & EQUIPMENT SHALL BE INS	RIFY ALL EXISTING CONDITIONS AT THE PROJECT SITE. TALLED PER MANUFACTURERS INSTRUCTIONS.	
9		CONDI	TIONS.	ERWISE NOTED. SIMILAR DETAILS APPLY IN SIMILAR	
9 5 0		TO BUI	LDING WALLS.	CESSORIES, HANDRAILS, OR OTHER ITEMS ATTACHED	
5		ALL PO I. PROVII J. HEIGH	DRCELAIN & CERAMIC TILE LOCATIONS DE ADA COMPLIANT SIGNAGE FOR ALL		
7		-	L CASEWORK NOT	ES:	
		DOCUN		IN THE VARIOUS PARTS OF THE CONSTRUCTION TTENTION OF THE ARCHITECT AND THE OWNER BEFORE	
		B. COORE	DINATE DEVICE PENETRATIONS AT CO	OUNTERTOPS W/ MECHANICAL & ELECTRICAL. OPEN SPACES APPROXIMATELY 3'-0" O.C. BRACKETS TO	-
		BE PAI	NTED TO MATCH SPECIFIED WALL FIN		
		HAVE F		AM. SUBMIT SAMPLES FOR APPROVAL.	
		F. MILLWO		R PANELS & SCRIBE STRIPS WHERE NEEDED FOR	
		G. CABINE	ETE INSTALLATION. ETS OVER 30" WIDE SHALL HAVE 1" TH T PROVIDE SIDESPLASH UNLESS OTH		
		I. UNLES		RODUCTS OF QUALITY SPECIFIED BY AWI	
		J. INSTAL		RTITIONS TO RECEIVE COUNTERS, SHELVING,	
		K. VERIFY L. PROVII	YALL GROMMET LOCATIONS AND COU	EHIND HOOD. REFER TO DRAWINGS FOR LOCATIONS.	
			SGA K	EYNOTES	
		Key Value		Keynote Text	
			STAINLESS STEEL CORNER GUARD. S P-2. SEE FINISH SCHEDULE.	SEE INTERIOR FINISH SCHEDULE.	
		9.34	SCHLUTER EDGE TRIM. PT-2 WALL TILE. SEE FINISH SCHEDU	16	4_
		9.36	PT-3 MOSAIC TILE. SEE FINISH SCHEE	DULE.	
			BASE AS SCHEDULED. SEE FINISH SC 18" VERTICAL GRAB BARS.	CHEDULE.	_
			18" X 36" MIRROR. ACC TOILET PAPER DISPENSER. OFC	l.	
		10.20	SOAP DISPENSER. OFCI. GRAB BARS.	•	
		10.22	UNDER-COUNTER BRACKETS AS REC	Q'D.	
			LOCKABLE SINK BASE CABINET. LOCKABLE UPPER CABINET W/ GLAS	S DOORS, SLOPED TOP & ADJUSTABLE SHELVES.	_
			BASE CABINET W/ ADJUSTABLE SHE LOCKABLE 4 DRAWER BASE CABINE		_
		12.03D	LOCKABLE BASE CABINET W/ ADJUS		
		12.03F	LOCKABLE UPPER CABINET W/ SLOP	ED TOP & ADJUSTABLE SHELVES.	
			UPPER CABINET W/ SLOPED TOP & A UPPER CABINET W/ MICROWAVE SHE		
9.37			BASE CABINET W/ ADA MICROWAVE		_
12.02		12.04	COUNTERTOP. SEE FINISH SCHEDULE WALL MOUNTED TV ON ADJUSTABLE		
		12.10	SINK BASE APRON.		
B1B - WEST WALL		12.15	STANDING HEIGHT WORKSTATION. REINSTALL SALVAGED METAL LOCKI		
			REINSTALL SALVAGED SHELVING SY FINISHED END.	STEM.	_
			OPEN SHELVING SYSTEM. REINSTALL SALVAGED REFRIGERATO	OR	
		12.55	FILLER STRIP.		
		22.01	SINK. SEE PLUMBING.		
					-
					-

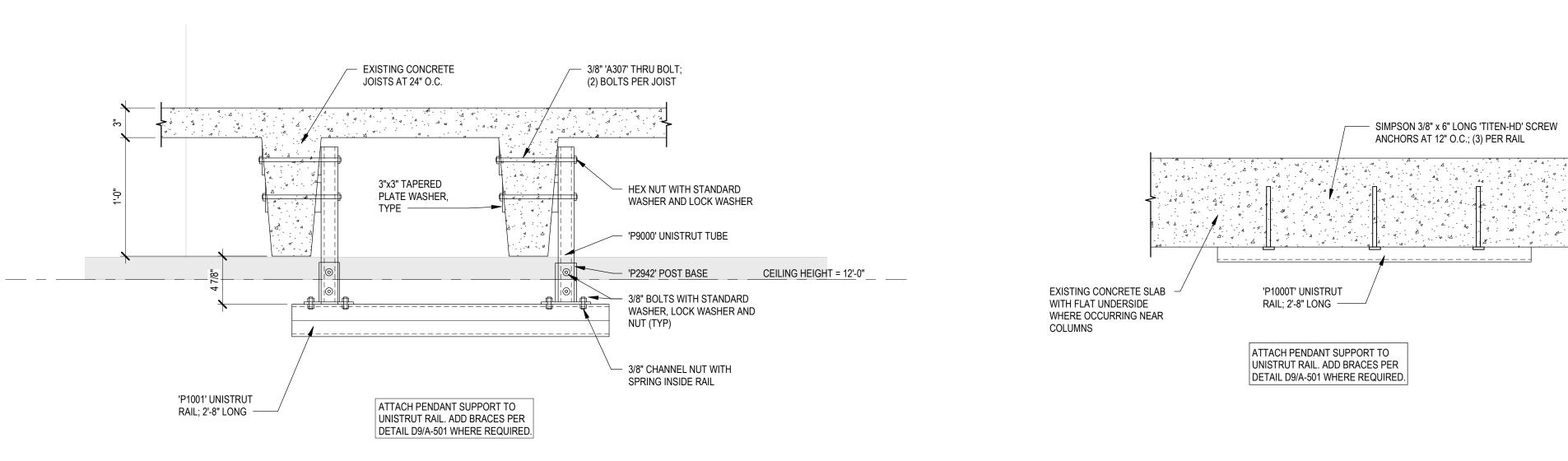
e of iction cilities	Drawing Title INTERIOR ELEVATIONS		Phase 100% CD		Project Title MRI SITE PREP	
	Approved:				Location SIOUX FALLS, Issue Date 11/09/2020	SOUTH Checked
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B5 LIFT SUPPORT DETAIL AT CONCRETE JOIST

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ARCHITECT OF RECORD

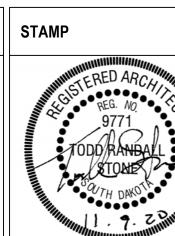
<u>A/E:</u> Stone Group Architects 600 E 7th Street Sioux Falls, SD 57103 605-271-1144

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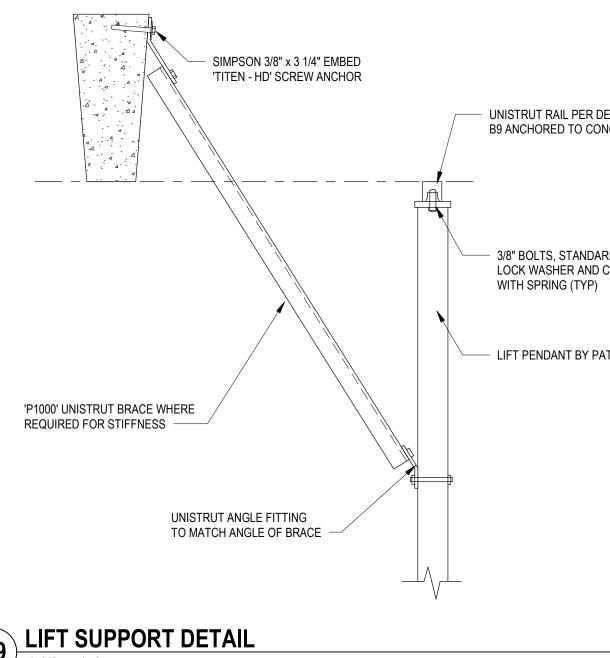
VA U.S. Depa of Vetera

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B9 LIFT SUPPORT DETAIL AT FLAT SLAB

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D9 LIFT SUPPORT DETAIL 1 1/2" = 1'-0" \searrow

office of Instruction Facilities	Drawing Title DETAILS		Phase 100% CE)	Project Title MRI SITE PREP		
nagement	Approved:				Location SIOUX FAL	LS, SOUTH E	
J.S. Department of Veterans Affairs					Issue Date 11/09/2020	Checked	
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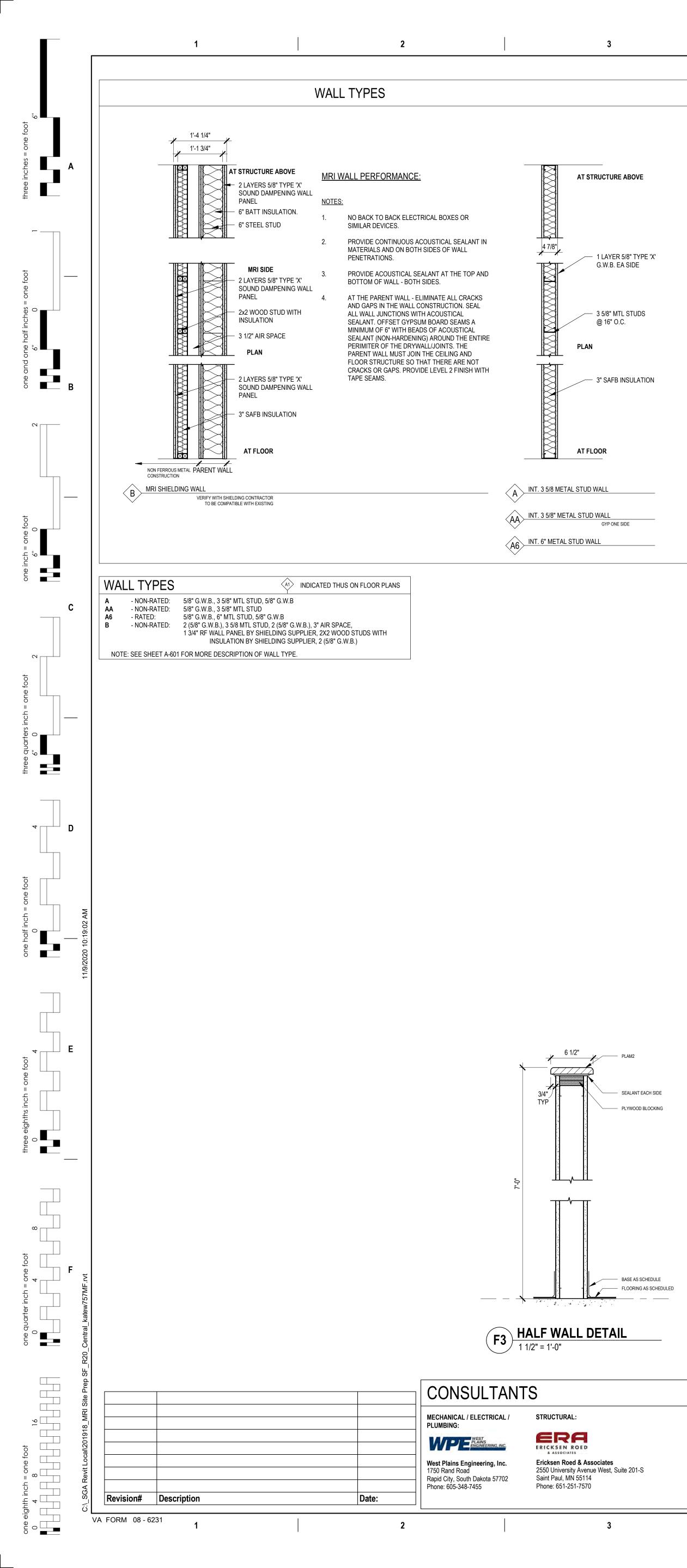
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UNISTRUT RAIL PER DETAIL B5 OR B9 ANCHORED TO CONCRETE

3/8" BOLTS, STANDARD WASHER, LOCK WASHER AND CHANNEL NUT

LIFT PENDANT BY PATIENT LIFT MANUFACTURER.

NORTH KEYPLAN NTS Project Number VA #438-CSI-305 SGA #201918 Building Number 5 Drawing Number JTH DAKOTA ked Drawn AE-501



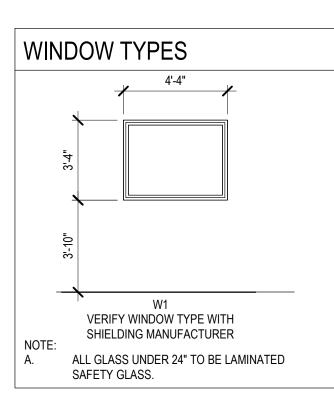
	DOOR SCHEDULE								
			OOR	1		AME			
	WIDTH	HEIGHT	TYPE	MATERIAL	TYPE	MATERIAL	RATING	HDWR	REMARKS
A15	4'-2"	7'-0"	F1 : F	WD	F1	Copper		16	ADA ACTUATOR, COORDINATE WITH SHIELDING CONTRACTOR FOR INSTALL
A16			F1 : F	WD			20 MIN	01	
A16a			F1 : F	WD		HM	-	12	
A16b	3'-0"		F1 : F	WD	F1	HM		12	
A16c	3'-0"	7'-0"	F1 : F	WD	F1	HM		12	
A17a	4'-0"	7'-0"	F1 : F	WD	F1	HM	20 MIN	15	ADA ACTUATOR
A17b	3'-10 1/2"	6'-11 1/2"	D1	WD	F1	ALUM	-	17	CARD READER
A18	3'-0"	7'-0"	F1 : F	WD		HM	20 MIN	06	EXISTING FRAME TO REMAIN
A20	3'-10"	7'-0"	F1 : F	WD		HM	20 MIN	07	EXISTING FRAME TO REMAIN
A21	3'-10"	7'-0"	F1 : F	WD		HM	20 MIN	07	EXISTING FRAME TO REMAIN
A23	2'-6"	7'-0"	F1 : F	WD		HM	20 MIN	13	EXISTING FRAME TO REMAIN
A24	3'-8"	7'-0"	F1 : F	WD		HM	20 MIN	07	EXISTING FRAME TO REMAIN
A25			F1 : F	WD		HM		13	EXISTING FRAME TO REMAIN
A26			F1 : F	WD			20 MIN	09	EXISTING FRAME TO REMAIN
A27			F1 : F	WD			20 MIN	10	EXISTING FRAME TO REMAIN
A31			F1 : F	WD			20 MIN	06	
A31A			F : D1	WD			20 MIN	14	UNEVEN PAIR 4'-0" AND 2'-0"
A31AA			F1 : F	WD		HM		04	EXISTING FRAME TO REMAIN
A31b			F1 : F	WD		HM		03	EXISTING FRAME TO REMAIN
A31Ba			F1 : F	WD			20 MIN	02	EXISTING FRAME TO REMAIN
A31Bb			F1 : F	WD		HM		03	EXISTING FRAME TO REMAIN
A31C			F1 : F	WD			20 MIN	03	EXISTING FRAME TO REMAIN
A31Da			F1 : F	WD			20 MIN	05	EXISTING FRAME TO REMAIN
A31Db			F1 : F	WD		HM		04	EXISTING FRAME TO REMAIN
A31E			F1 : F	WD			20 MIN	06	EXISTING FRAME TO REMAIN
A32a			F1 : F	WD			20 MIN	06	EXISTING FRAME TO REMAIN
A32b			F1 : F	WD		HM		04	EXISTING FRAME TO REMAIN
A34a			F1 : F	WD			20 MIN	06	
A34b			F1 : F	WD			20 MIN	06	
A35			F1 : F	WD			20 MIN	09	EXISTING FRAME TO REMAIN
A36			F1 : F	WD			20 MIN	13	EXISTING FRAME TO REMAIN
A37			F1 : F	WD			20 MIN	08	EXISTING FRAME TO REMAIN
A40			F1 : F	WD			20 MIN	08	EXISTING FRAME TO REMAIN
A43			F1 : F	WD		HM		12	EXISTING FRAME TO REMAIN
A45			F1 : F	WD			20 MIN	07	EXISTING FRAME TO REMAIN
A46			F1 : F F1 : F	WD WD			20 MIN	09 11	
A47 A49			F1:F	WD			20 MIN 20 MIN	05	EXISTING FRAME TO REMAIN EXISTING FRAME TO REMAIN
A49 A50			F1:F	WD			20 MIN 20 MIN	05	EXISTING FRAME TO REMAIN
A50 A51			F1:F	WD			20 MIN	05	EXISTING FRAME TO REMAIN
A51 A52			F1:F	WD			20 MIN	05	EXISTING FRAME TO REMAIN
A52 A53			F1:F	WD			20 MIN	05	EXISTING FRAME TO REMAIN
A53 A58			F1:F	WD			45 MIN	18	CARD READER, 8 1/4" DEPTH FRAME
			F1:F	WD			20 MIN	07	EXISTING FRAME TO REMAIN
A86			F1:F	WD			20 MIN	05	EXISTING FRAME TO REMAIN
			F1:F	HM			20 MIN	06	
C05a			F1:F	WD			45 MIN	20	REINSTALL EXISTING MAG HOLD OPENS
C05b			F1:F	WD			20 MIN	19	REINSTALL EXISTING ADA ACTUATOR. CARD READER
			F1:F	WD			20 MIN	19	ADA ACTUATOR, CARD READER
			F1:F	WD			45 MIN	20	EXISTING FRAME TO REMAIN, REINSTALL EXISTING MAG HOLD OPENS
00111		• •		1					

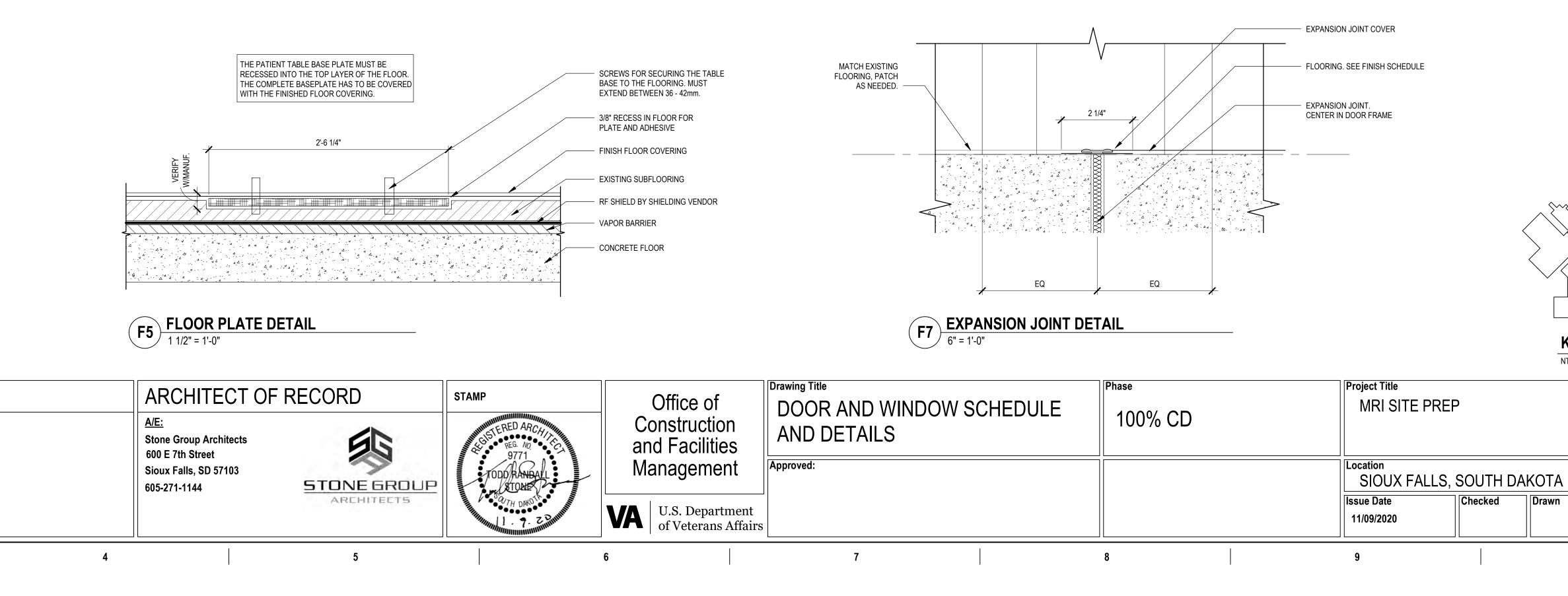
NOTE: VERIFY ALL EXISTING DOOR SIZES.

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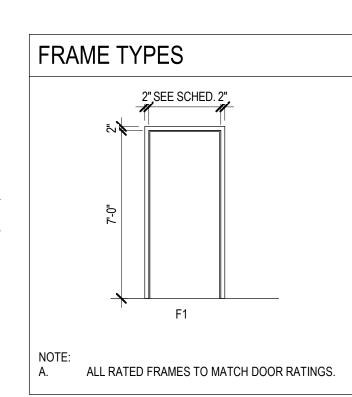


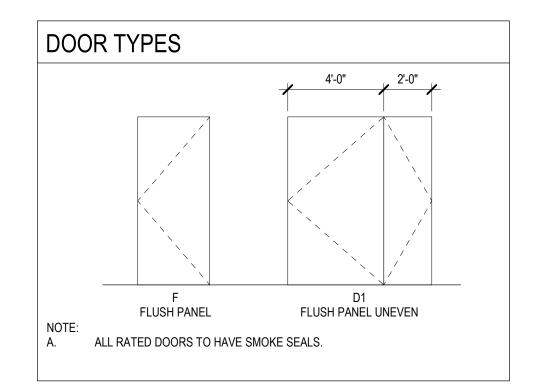
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GENERAL DOOR AND WINDOW NOTES:

PROVIDE GLAZING AS REQUIRED B
PROVIDE ADA APPROVED LEVER T
(U.O.N.).
PROVIDE 1" INSULATED GLASS FOR

GLAZING.
WHERE THRESHOLDS ARE REQUIF
COORDINATE DOOR PROTECTION





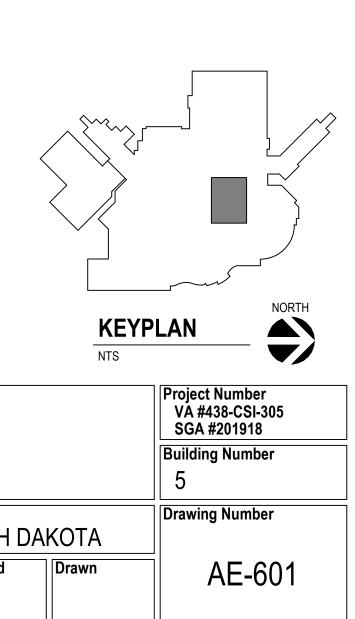
BY 2015 IBC. OPENINGS WITH MANUFACTURER. TYPE HARDWARE FOR ALL DOORS UNLESS OTHERWISE NOTED OR ALL EXTERIOR GLAZING AND 1/4" GLASS FOR ALL INTERIOR JIRED, PROVIDE LOW PROFILE ADA COMPLIANT THRESHOLD. N WITH DOOR SUPPLIER. COORDINATE DOOR HARDWARE STYLE AND FINISH WITH OWNER.

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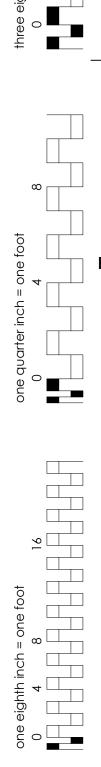
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	ROOM FINISH SCHEDULE										
ROOM NUMBER	ROOM NAME	FLOOR	BASE	NORTH	W EAST	ALLS	WEST	CEILING	ID FINISH REMARKS		
NUMBER		FLOOR	BASE	NUKIH	EASI	300TH	VVEST	CEILING	ID FINISH REMARKS		
A15	MRI SCAN	RF-1	RB-1	P-2	P-2	P-2	P-2	AT-1			
A16	DRESS	WSF-1	RB-1	P-2	P-2	P-2	P-2	AT-1			
A16a	DRESS	WSF-1	RB-1	P-2	P-2	P-2	P-2	AT-1			
A16b	DRESS	WSF-1	RB-1	P-2	P-2	P-2	P-2	AT-1			
A16c	TOILET	PT-1	PT-1	PT-2, PT-3, P-1	PT-2, PT-3, P-1	PT-2, PT-3, P-1	PT-2, PT-3, P-1	AT-1			
A17	MRI CONTROL	RF-1	RB-1	P-2	P-2	P-2	P-2	AT-1			
A18	MRI EQUIP.	RF-1	RB-1	P-2	P-2	P-2	P-2	AT-1			
A19	DRESS	WSF-1	RB-1	P-2	P-2	P-2	P-2				
A21a	DRESS	WSF-1	RB-1	P-2	P-2	P-2	P-2				
A23	TOILET	PT-1	PT-1	PT-2, PT-3, P-1	PT-2, PT-3, P-1	PT-2, PT-3, P-1	PT-2, PT-3, P-1	AT-1			
A25	TOILET	PT-1	PT-1	PT-2, PT-3, P-1	PT-2, PT-3, P-1	PT-2, PT-3, P-1	PT-2, PT-3, P-1	AT-1			
A29	RECEPTION/ WAITING	WSF-1	RB-1	P-5	P-3	P-3	P-3	AT-1			
A29a	GURNEY ALCOVE	WSF-1	RB-1	P-3	P-3	P-3	P-3	AT-1			
A31	RECEPTION	WSF-1	RB-1	P-3	P-3	P-3	P-3	AT-1			
A31A	CONSULT	WSF-1	RB-1	P-2	P-2	P-2	P-2	AT-1			
A31AA	OFFICE	WSF-1	RB-1	P-2	P-2	P-2	P-2	AT-1			
A31B	BREAK ROOM	WSF-1	RB-1	P-2	P-2	P-2	P-2	AT-1			
A31C	WORK ROOM	WSF-1	RB-1	P-2	P-2	P-2	P-2	AT-1			
A31D	OFFICE	WSF-1	RB-1	P-2	P-2	P-2	P-2	AT-1			
A31E	EXAM	RF-1	RB-1	P-2	P-2	P-2	P-2	AT-1			
A32	OFFICE	WSF-1	RB-1	P-2	P-2	P-2	P-2	AT-1			
A34	STAFF VIEWING	WSF-1	RB-1	P-2	P-2	P-2	P-2	AT-1			
A35	SOILED UTILITY	RF-1	RB-1	P-2	P-2	P-2	P-2	AT-1			
A36	TOILET	PT-1	PT-1	PT-2, PT-3, P-1	PT-2, PT-3, P-1	PT-2, PT-3, P-1	PT-2, PT-3, P-1	AT-1			
A37	CT SCAN	EXIST	EXIST					AT-1			
A43	TOILET	PT-1	PT-1	PT-2, PT-3, P-1	PT-2, PT-3, P-1	PT-2, PT-3, P-1	PT-2, PT-3, P-1	AT-1			
A44	STORAGE	LVT-2	RB-1	P-1	P-1	P-1	P-1	AT-1			
A45	XRAY	RF-1	RB-1	P-2	P-2	P-2	P-2	AT-1			
A46	CLEAN UTILITY	RF-1	RB-1	P-2	P-2	P-2	P-2	AT-1			
A47	IT/DATA	RF-1	RB-1	P-2	P-2	P-2	P-2	AT-1			
A49	DEXA ROOM	RF-1	RB-1	P-2	P-2	P-2	P-2	AT-1			
A50	OFFICE	WSF-1	RB-1	P-2	P-2	P-2	P-2	AT-1			
A51	OFFICE	WSF-1	RB-1	P-2	P-2	P-2	P-2	AT-1			
A52	OFFICE	WSF-1	RB-1	P-2	P-2	P-2	P-2	AT-1			
A53	OFFICE	WSF-1	RB-1	P-2	P-2	P-2	P-2	AT-1			
A58	BREAK ROOM	EXIST	EXIST	P-5	P-2	P-2	P-2	AT-1	REPLACE FLOORING TO MATCH EXISTING AS NEEDED		
C05	CORR.	WSF-1	RB-1	P-1	P-1	P-1	P-1	AT-1			
C05A	CORR.	LVT-2	RB-1	P-1	P-1	P-1	P-1	AT-1			
C06	CORR.	LVT-2	RB-1	P-1	P-1	P-1	P-1	AT-1			
C07	CORR.	LVT-2	RB-1	P-1	P-1	P-1	P-1	AT-1			
C07A	CORR.	WSF-1	RB-1	P-1	P-1	P-1	P-1	AT-1			

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	ABBR				Style		Color						
Category	CODE	Material	Manufacturer	Number	Name	Number	Name	Size	Texture	Installation Notes	Location	Grout	Finish
06 4100 - ARCHITECTURAL WOOD	CASEWOR	<											
06 4100 - ARCHITECTURAL WOOD CASEWORK	PLAM-1	Plastic Laminate	Formica			8826-58	Neutral Twill		Matte Finish		Vertical Faces		
06 4100 - ARCHITECTURAL WOOD CASEWORK	PLAM-2	Plastic Laminate	Wilsonart			7960K-18	Studio Teak				Accent		
06 4100 - ARCHITECTURAL WOOD CASEWORK	SS-1	Solid Surface	Hi-Macs			T-009	Milky Way		Matte Finish		Countertops		
08 1416 - FLUSH WOOD DOORS													
08 1416 - FLUSH WOOD DOORS	WDR-1	Door	Acrovyn	SCL5-NR		1352	Fossil Teak				All Doors		
09 3000 - TILING													
09 3000 - TILING	PT-1	Porcelain Tile	Daltile		Unity	P403	Tobacco - Textured	12" x 12"		Edging - Schluter Systems	Toilet Room Floors and Wall Base	Bostik TruColor RapidCure	Delorian Gray H16
09 3000 - TILING	PT-2	Porcelain Tile	Daltile		Fabrique	P686	Creme Linen	12" x 12"		Edging - Schluter Systems	Toilet Room Walls	Bostik TruColor RapidCure	Mobe Pearl H145
09 3000 - TILING	PT-3	Porcelain Tile	Daltile		Lucent Skies	LS12	Crimson Dusk	Mosaic		Edging - Schluter Systems	Toilet Room Walls (Accent)	Bostik TruColor RapidCure	Mobe Pearl H145
09 3000 - TILING	TRIM-1	Metal Trim	Schluter Systems	E30	Schiene		Stainless Steel	1/8" H - Installer to verify			Floor Transitions		
09 5100 - ACOUSTICAL CEILINGS													
09 5100 - ACOUSTICAL CEILINGS	ACT-1	Accoustical Ceiling Tile	Armstrong	704 A	Cortega		White	24" x 24"			See RCP sheets.		
09 6500 - RESILIENT FLOORING	1												
09 6500 - RESILIENT FLOORING	LVT-2	Luxury Vinyl Tile	Tandus Centiva / Tarkett	VS 7214-U	Venue Stone UVS	7214	Luna	12"x24"			Corridor / Lobby		
09 6500 - RESILIENT FLOORING	RB-1	Resilient Base	Johnsonite	Coved Base	700 Series	#32	Pebble	4" H X 1/8" Thick			See Room Finish Schedule		
09 6500 - RESILIENT FLOORING	RF-1	Rubber Flooring	Mannington		ColorFields	896	Sonic	4' x 49.2'			Exam		
09 6500 - RESILIENT FLOORING	WSF-1	Welded Sheet Flooring	Shannon Specialty Floors		Teknoflor	52210	Abacoa	5'-11" x 75'	Forestscapes	1/2 overlap	Break Room		
09 9000 - PAINTING AND COATING													
09 9000 - PAINTING AND COATING. 09 9000 - PAINTING AND COATINGS	P-1	Paint	Benjamin Moore	487	Ultra Spec Scuff-X	0210	DV Hidden Cove		Semi-Gloss Finish		Corridor / Lobby		
09 9000 - PAINTING AND COATINGS	P-2	Paint	Diamond Vogel		Zero Plus 0 VOC	0210	Hidden Cove		Semi-Gloss Finish		Exam / Offices		
09 9000 - PAINTING AND COATINGS	P-3	Paint	Diamond Vogel		Zero Plus 0 VOC	0197	Thistle Gray		Semi-Gloss Finish		Waiting Room / Reception		
09 9000 - PAINTING AND COATINGS	P-4	Paint	Sherwin Williams	B66W 651	Pro Industrial	0218	DV Drifting Sand		Semi-Gloss Finish		Door Frames / Counter Brackets		
09 9000 - PAINTING AND COATINGS	P-5	Paint	Diamond Vogel	0504	Zero Plus 0 VOC	0218	Blue		Semi-Gloss Finish		Accent		
09 9000 - PAINTING AND COATINGS	RWP-1	Rigid Wall Protection	Inpro	406	Pallidium Rigid Vinyl	0237	Slate	4' x 8'	Velvet	48" A.F.F., 1/16" Caulked Seams, RWP-2 Top Cap Board	Public Corridors		
09 9000 - PAINTING AND COATINGS	RWP-2	Rigid Wall Protection	Inpro	P-3DHTC2	Pallidium 3D Cap Board	5E026	Brushed Nickel	2" x 8' x 1/2"			Public Corridors		
10 2601 - WALL AND CORNER GUA	RDS												
10 2601 - WALL AND CORNER GUARDS	CG-1	Corner Guard	Pawling	CG-51-8	Stainless Steel		#4 Satin Finish	2" W x 0.059" Thick			Corners as noted on the plans.		
10 2601 - WALL AND CORNER GUARDS	HR-1	Hand Rail	Inpro		-	5E048	Barrel Oak		Velvet	Round handrail (top) vinyl color: River Rock (0351); bottom vinyl color: Slate (0237)	Public Corridors		



VA FORM 08 - 6231

Revision#	Description	Date:



HANICAL / ELECTRICAL / MBING: est Plains Engineering, Inc. 50 Rand Road pid City, South Dakota 57702 one: 605-348-7455

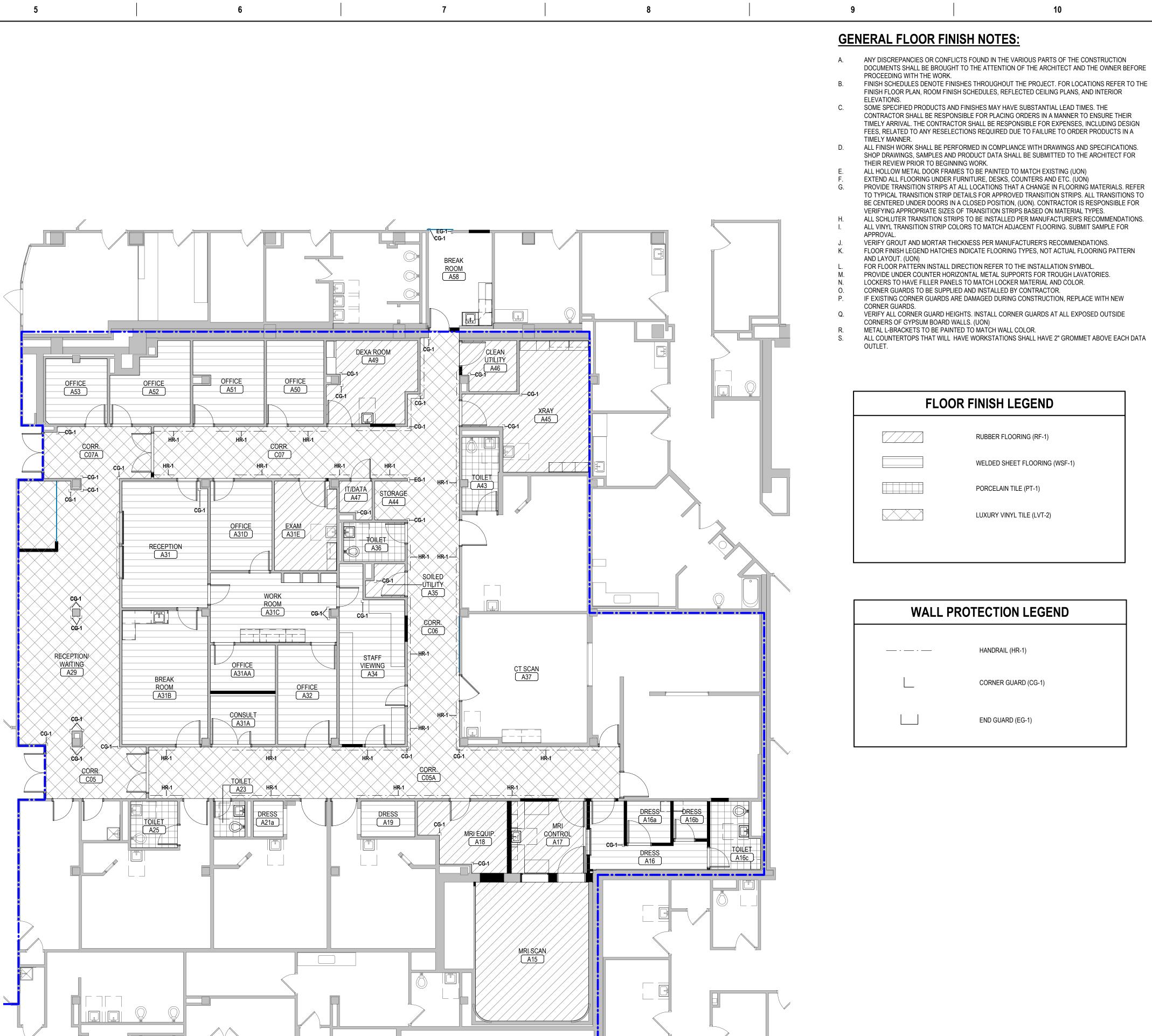
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STRUCTURAL:

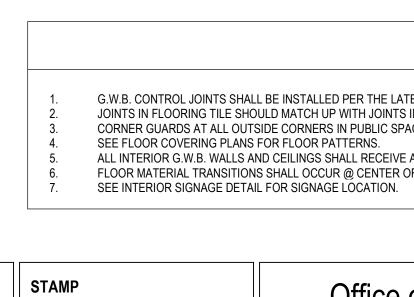
& ASSOCIATES

Ericksen Roed & Associates 2550 University Avenue West, Suite 201-S Saint Paul, MN 55114 Phone: 651-251-7570

3



D5 GROUND FLOOR FINISH PLAN 1/8" = 1'-0"



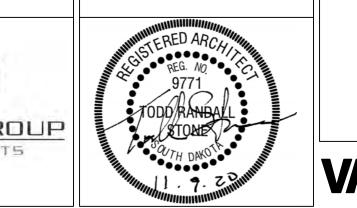
ARCHITECT OF RECORD

<u>A/E:</u> Stone Group Architects 600 E 7th Street Sioux Falls, SD 57103 605-271-1144

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NOT	ES	ABBREVIATIONS				
TS IN CONC. SLAE SPACES, TYP. (SE	DF GA-216 AND ASTM C840 UNLESS NOTED OTHERWISE. 35 AND ADDITIONAL JOINTS TO BE CUT IF NECESSARY, VERIFY WITH ARCHITECT. 36 COLOR & MATERIAL SCHEDULE) 38H WITH LIGHT ORANGE PEEL TEXTURE U.N.O.	PT. G.W.B. = PAINT GYPSUM WALLBOARD ACT - # = SUSPENDED ACT CEILING SYSTEM G.W.B. = GYPSUM WALLBOARD CWT = CERAMIC WALL TILE C.T. = CERAMIC FLOOR TILE V.S.F. = VINYL SHEET FLOORING W.O. CPT. = WALK OFF CARPET	S CONC = SEALED CONCRETE CPT = CARPET VWC = VINYL WALL COVERING WB = WOOD BASE VB = VINYL BASE VCT = VINYL COMPOSITE TILE			
e of uction	Drawing Title INTERIOR FINISHES	Phase 100% CD	Project Title MRI SITE PREP			

ction ilities		100% CD		
ment epartment rans Affairs	Approved:		Location SIOUX FALLS, Issue Date 11/09/2020	SOUT
	7	8	 9	<u> </u>

A. ANY DISCREPANCIES OR CONFLICTS FOUND IN THE VARIOUS PARTS OF THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE OWNER BEFORE

FINISH FLOOR PLAN, ROOM FINISH SCHEDULES, REFLECTED CEILING PLANS, AND INTERIOR SOME SPECIFIED PRODUCTS AND FINISHES MAY HAVE SUBSTANTIAL LEAD TIMES. THE

TIMELY ARRIVAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXPENSES, INCLUDING DESIGN FEES, RELATED TO ANY RESELECTIONS REQUIRED DUE TO FAILURE TO ORDER PRODUCTS IN A

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SHOP DRAWINGS, SAMPLES AND PRODUCT DATA SHALL BE SUBMITTED TO THE ARCHITECT FOR ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED TO MATCH EXISTING (UON) EXTEND ALL FLOORING UNDER FURNITURE, DESKS, COUNTERS AND ETC. (UON)

TO TYPICAL TRANSITION STRIP DETAILS FOR APPROVED TRANSITION STRIPS. ALL TRANSITIONS TO BE CENTERED UNDER DOORS IN A CLOSED POSITION, (UON). CONTRACTOR IS RESPONSIBLE FOR VERIFYING APPROPRIATE SIZES OF TRANSITION STRIPS BASED ON MATERIAL TYPES. ALL SCHLUTER TRANSITION STRIPS TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. ALL VINYL TRANSITION STRIP COLORS TO MATCH ADJACENT FLOORING. SUBMIT SAMPLE FOR

VERIFY GROUT AND MORTAR THICKNESS PER MANUFACTURER'S RECOMMENDATIONS. FLOOR FINISH LEGEND HATCHES INDICATE FLOORING TYPES, NOT ACTUAL FLOORING PATTERN

PROVIDE UNDER COUNTER HORIZONTAL METAL SUPPORTS FOR TROUGH LAVATORIES. LOCKERS TO HAVE FILLER PANELS TO MATCH LOCKER MATERIAL AND COLOR. IF EXISTING CORNER GUARDS ARE DAMAGED DURING CONSTRUCTION, REPLACE WITH NEW

FLOOR FINISH LEGEND

RUBBER FLOORING (RF-1)

WELDED SHEET FLOORING (WSF-1)

PORCELAIN TILE (PT-1)

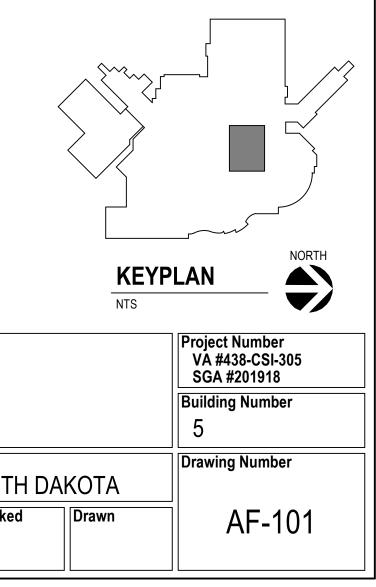
LUXURY VINYL TILE (LVT-2)

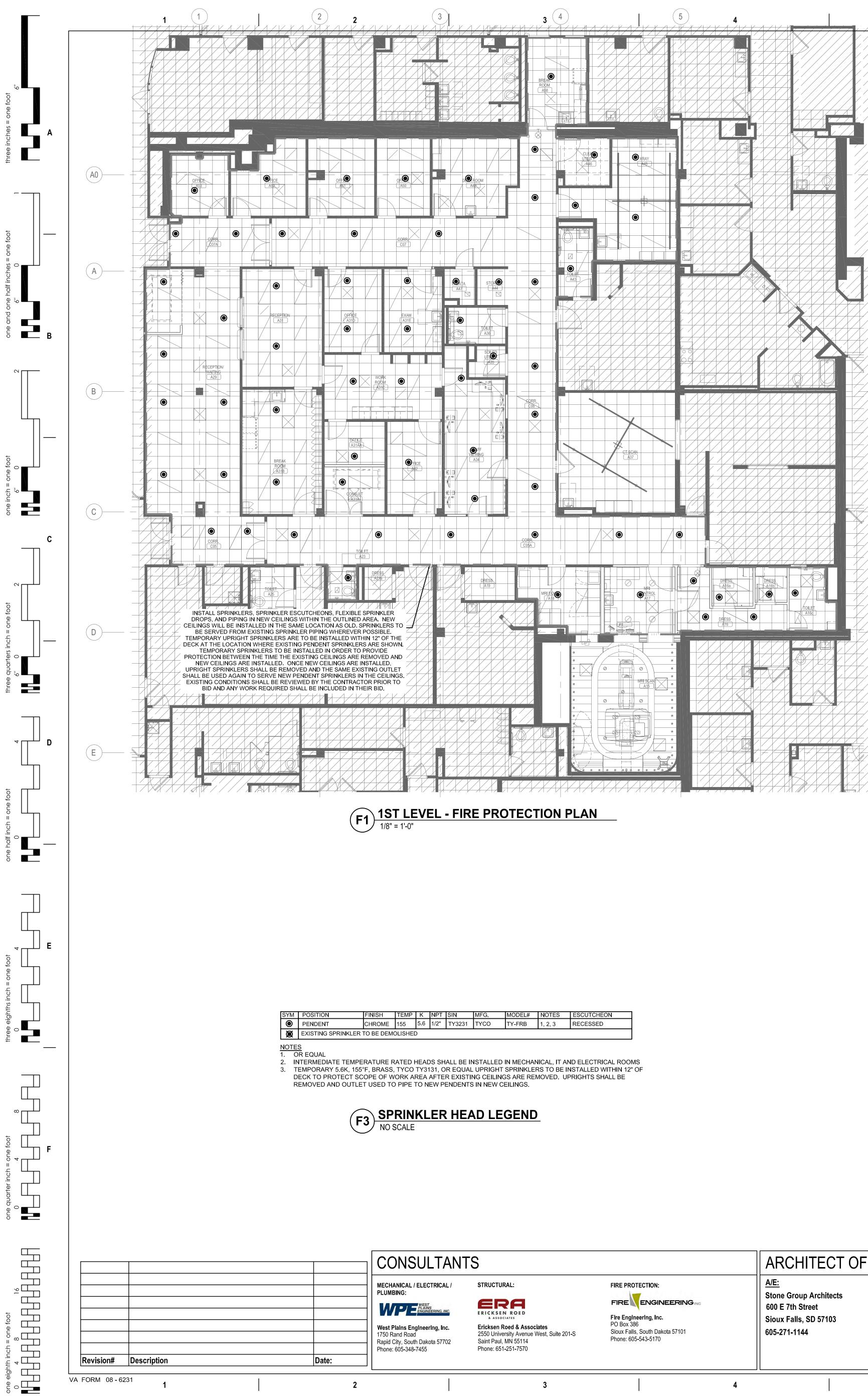
WALL PROTECTION LEGEND

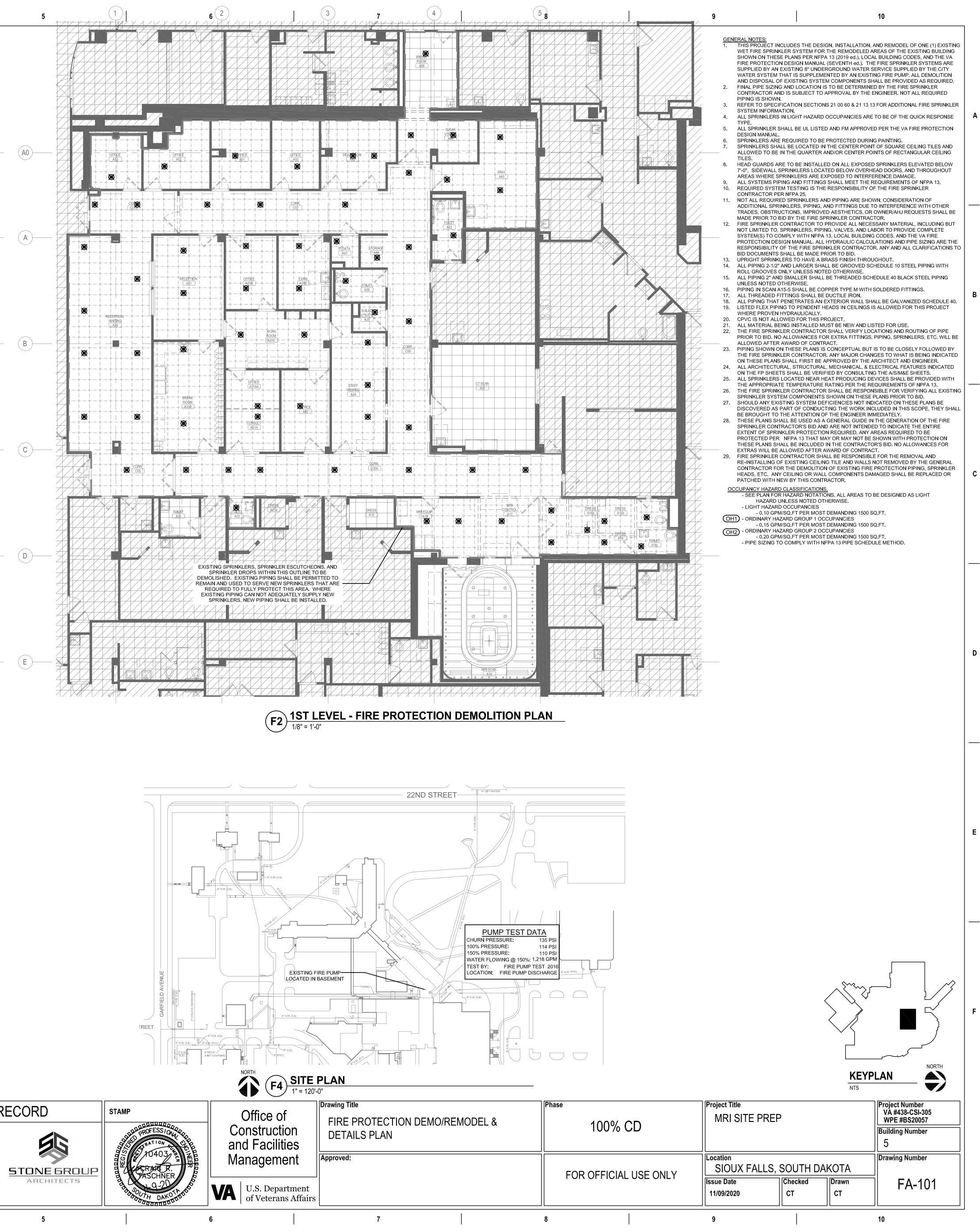
HANDRAIL (HR-1)

CORNER GUARD (CG-1)

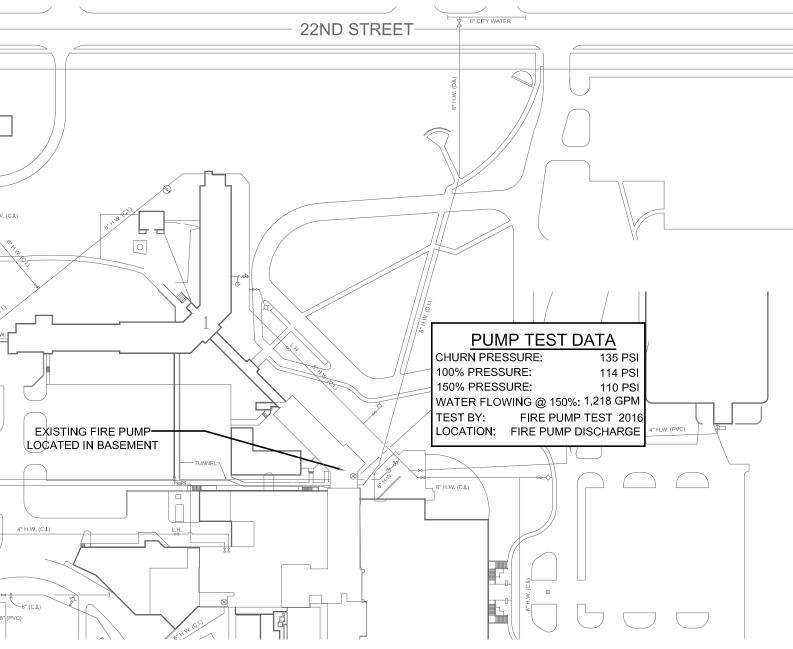
END GUARD (EG-1)



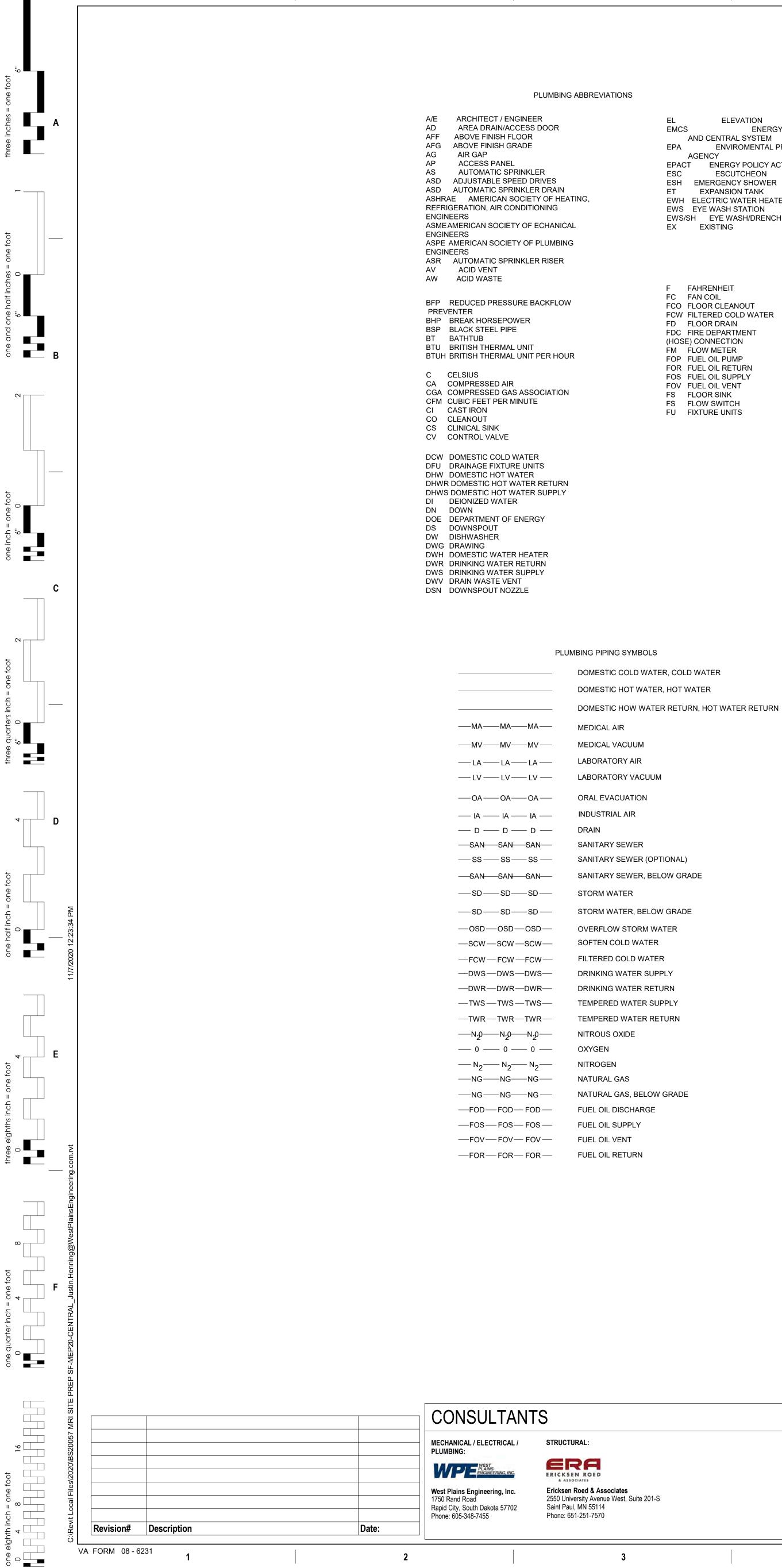




ARCHITECT OF RECORD STONE GROU



e of uction cilities	Drawing Title FIRE PROTECTION DEMO/RE DETAILS PLAN	MODEL &	Phase 100%	% CD	Project Title MRI SITE PREP		
ement epartment erans Affairs	Approved:		FOR OFFIC	IAL USE ONLY	Location SIOUX FALLS, S Issue Date 11/09/2020	SOUTH Checked CT	
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Revision# Description

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ELEVATION ENERGY MONOSERRAT EMCS AND CENTRAL SYSTEM ENVIROMENTAL PROTECTION AGENCY EPACT ENERGY POLICY ACT ESCUTCHEON ESH EMERGENCY SHOWER

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ET EXPANSION TANK EWH ELECTRIC WATER HEATER EWS EYE WASH STATION EWS/SH EYE WASH/DRENCH SHOWER EX EXISTING

F FAHRENHEIT FC FAN COIL FCO FLOOR CLEANOUT FCW FILTERED COLD WATER FD FLOOR DRAIN FDC FIRE DEPARTMENT (HOSE) CONNECTION FM FLOW METER FOP FUEL OIL PUMP FOR FUEL OIL RETURN FOS FUEL OIL SUPPLY FOV FUEL OIL VENT FS FLOOR SINK FS FLOW SWITCH FU FIXTURE UNITS

PLUMBING ABBREVIATIONS

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GAL GALLON GCO GRADE CLEANOUTS GPD GALLONS PER DAY

GPH GALLONS PER HOUR GPM GALLONS PER MINUTE

GPR GAS PRESSURE REGULATOR GRS GAS REGULATOR STATION GT GREASE TRAP

GVTR GAS VENT THROUGH ROOF GWH GAS FIRED WATER HEATER

H&CW HOT AND COLD WATER HB HOSE BIBB

HD HUB DRAIN HEX HEAT EXCHANGER

HP HORSEPOWER HS HAND SINK HST HOT WATER STORAGE TANK

(DOMESTIC) HWB HOT WATER BOILER

HWCP HOT WATER CIRCULATING PUMP HWP HOT WATER PUMP HYD HYDRANT

ID INSIDE DIAMETER IE INVERT ELEVATION

ICW INDUSTRIAL COLD WATER IHW INDUSTRIAL HOT WATER INV INVERT

IPC INTERNATIONAL PLUMBING CODE IRW IRRIGATION WATER

IW INDIRECT WASTE IWH INSTANTANEOUS WATER HEATER

IWR INDUSTRIAL WATER RETURN IWS INDUSTRIAL WATER SUPPLY

KW KILOWATT KWH KILOWATT-HOUR

L/S LITER PER SECOND LA LABORATORY AIR

LAV LAVATORY LBS/HR POUNDS PER HOUR LCW LABORATORY COLD WATE	L/ \	
	LAV	LAVATORY
LCW LABORATORY COLD WATE	LBS/HR	POUNDS PER HOUR
	LCW	LABORATORY COLD WATE

LHW	LABORATORY HOT WATER
LNG	LIQUID NATURAL GAS
LOX	LIQUID OXYGEN

GENERAL PLUMBING SYMBOLS

LV LABORATORY VACUUM LW LOW WATER

MA MEDICAL AIR MAV MANUAL AIR VENT MBH 1000 BTUH MED MEDICAL MER MECHANICAL EQUIPMENT ROOM MH MANHOLE MOU MEMORANDUM OF UNDERSTADING MSB MOP SERVICE BASIN MV MEDICAL VACUUM

M METER

N2 NITROGEN N20 NITROUS OXIDE NC NORMALLY CLOSED NG NATURAL GAS NIC NOT IN CONTRACT NO NORMALLY OPEN NOM. NOMINAL NPW NON POTABLE WATER

NTS NOT TO SCALE O2 OXYGEN OC ON CENTER OD OUTSIDE DIAMETER OFD OVERFLOW DRAIN OR OPERATING ROOM OSD OVERFLOW STORM DRAIN OVFL OVERFLOW

	DIRECTION OF PIPE PITCH (DOWN)	——————————————————————————————————————
—	DIRECTION OF FLOW	——————————————————————————————————————
——————————————————————————————————————	ANCHOR	
	REDUCER OR INCREASER	
N	ECCENTRIC REDUCER	
U	TOP CONNECTION, 45° OR 90°	
<u>_</u>	BOTTOM CONNECTION, 45° OR 90°	/ø/
	SIDE CONNECTION	
	CAPPED OUTLET	
	RISE OR DROP IN PIPE	
	UNION	
0	PIPE UP	
C	PIPE DOWN	
	POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK	
	LIMIT OF DEMOLITION	
X	INVERTED BUCKET TRAP SET INCLUDING PIPING ACCESSORIES	

FLOAT & THERMOSTATIC TRAP SET INCLUDING

PIPING ACCESSORIES

STRAINER

	THERMOMETER
	PRESSURE GAGE
FE	FLOW ELEMENT
CO0	CLEAN OUT
]-c	HOSE BIB

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<u>A/E:</u>

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FG **STONE GROUF** AREHITEET5

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PLUMBING ABBREVIATIONS

IPC INTERNATIONAL PLUMBING CODE PA PASCAL PD PRESSURE DROP OR DIFFERENCE PDI PLUMBING AND DRAINAGE INSTITUTE PG PRESSURE GAGE PP PLUMBING PUMP

PPM PARTS PER MILLION PRS PRESSURE REDUCING STATION PRV PRESSURE REDUCING VALVE PSI POUNDS PER SQUARE INCH PSIA POUNDS PER SQUARE INCH ATMOSPHERE PSIG POUNDS PER SQUARE INCH

GAGE PTRV PRESSURE TEMPERATURE RELIEF VALVE PW POTABLE WATER RD ROOF DRAIN

RDL ROOF DRAIN LEADER RL ROOF LEADER RP RECIRCULATION PUMP RO REVERSE OSMOSIS WATER

RWL RAIN WATER LEADER SAN SANITARY SEWER SMACNA SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION SCFM STANDARD CUBIC FOOT/MINUTE SCW SOFTENED COLD WATER SDMH STORM DRAIN MANHOLE SMH SANITARY MANHOLE SP SUMP PUMP

SQFT/SF SQUARE FEET SS STAINLESS STEEL SD STORM DRAIN SW STORM WATER TCV TEMPERATURE CONTROL

VALVE TD TEMPERATURE DIFFERENCE TD TRENCH DRAIN TDH TOTAL DYNAMIC HEAD TEMP TEMPERATURE TMV THERMOSTATIC MIXING VALVE TP TRAP PRIMER TSTAT THERMOSTAT TWR TEMPERED WATER RETURN TWS TEMPERED WATER SUPPLY

GATE VALVE WITH 3/4 " HOSE ADAPTER

TYP TYPICAL

PLUMBING VALVE SYMBOLS

GATE VALVE

GLOBE VALVE

CHECK VALVE

BUTTERFLY VALVE

MANUAL AIR VENT

BALL VALVE

ANGLE GLOBE VALVE

MODULATING CONTROL VALVE TWO POSITION CONTROL VALVE

THREE-WAY MODULATING CONTROL VALVE

THREE-WAY TWO POSITION CONTROL VALVE

PRESSURE REGULATING VALVE

AUTOMATIC FLOW CONTROL VALVE

PRESSURE RELIEF VALVE

TEST PLUG (PRESSURE/TEMPERATURE)

AUTOMATIC AIR VENT

VAC VACUUM VB VACUUM BREAKER VCO VACUUM CLEANER OUTLET VP VACUUM PUMP VS VENT STACK VSD VARIABLE SPEED DRIVE VTR VENT THROUGH ROOF W WASTE WC WATER CLOSET WCO WALL CLEANOUT WG WATER GAGE WH WALL HYDRANT WH WATER HEATER WHA WATER HAMMER ARRESTER

WL WATER LINE WM WATER METER WPD WATER PRESSURE DROP WS WASTE STACK WSFU WATER SUPPLY FIXTURE UNITS

YCO YARD CLEANOUT YH YARD HYDRANT

DETAIL NUMBER DRAWING NUMBER WHERE DRAWN ∖H4 / SECTION LETTER / A DRAWING NUMBER WHERE SHOWN ∖ H7 / BUILDING NO. WHERE EQUIPMENT IS LOCATED. EQUIPMENT ABBREVIATION (SUPPLY FAN) SUPPLY FAN NO. 3 IN BUILDING NO. 26 26-SF 3 TYPICAL UNIT NO. BUILDING NO. WHERE EQUIPMENT IS LOCATED ITEM (TERMINAL UNIT SHOWN) 26-TU-I-I ____ ITEM NUMBER (TERMINAL UNIT NO. 1) SERVED BY AIR HANDLER UNIT NO. 1

DRAWING SYMBOLS

Drawing Title Project Title Phase fice of MRI SITE PREP PLUMBING SYMBOLS AND 100% CD struction ABBREVIATIONS acilities Approved: Location SIOUX FALLS, SOUTH DAKOTA **Issue Date VA** U.S. Department of Veterans Affairs 11/09/2020 SO

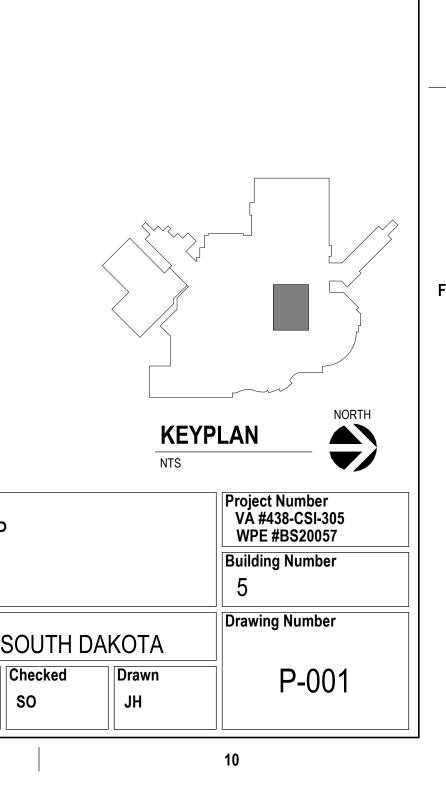






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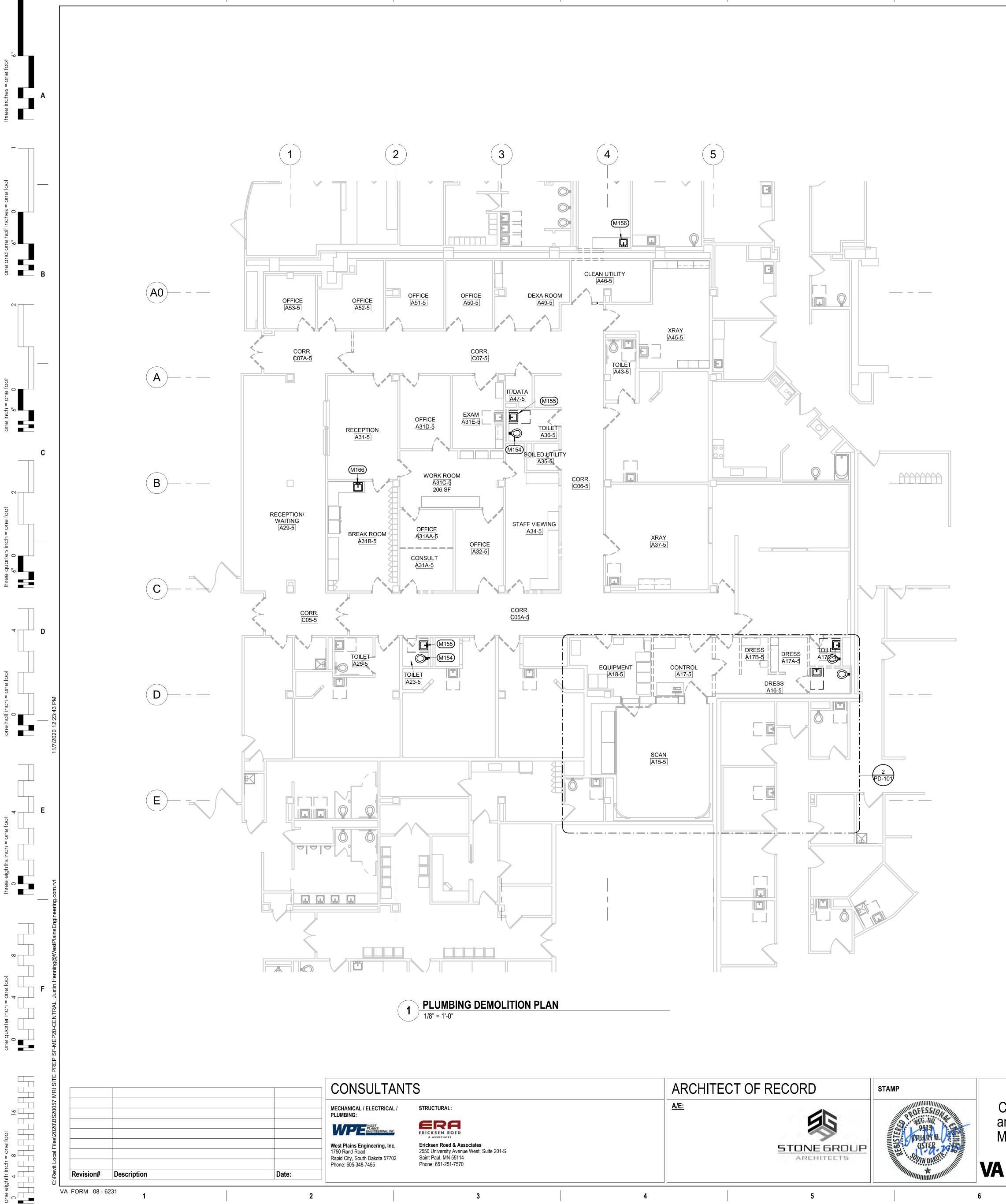


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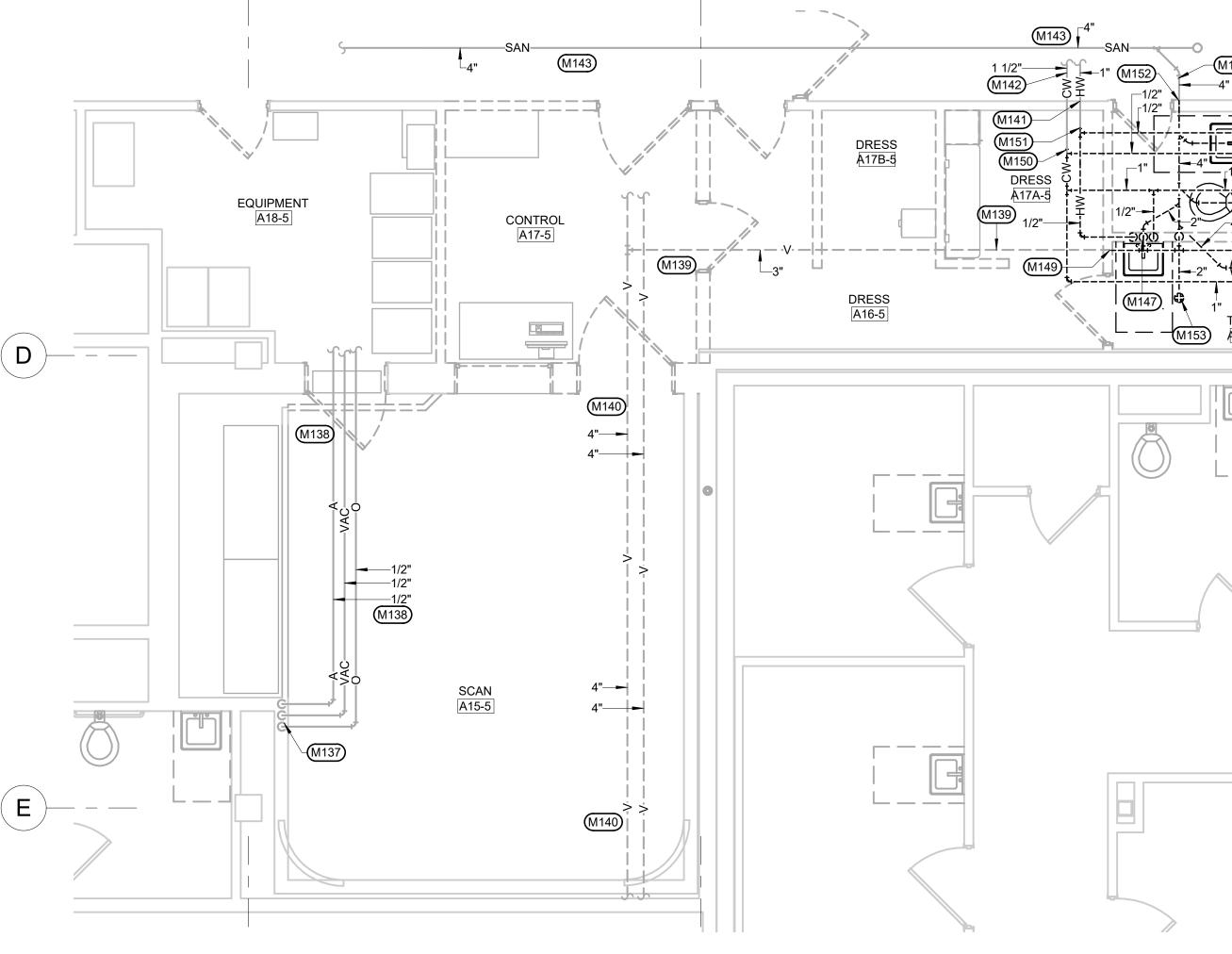
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	AI	RCHITECT OF	RECORD	STAMP	Office of	Drawing Title PLUMBING DEMOLITI	Phase	Project	RI SITE PREP	С
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;			STONEGROUP	OSTER - 2010	Management	Approved:		Locatio	on OUX FALLS, S	SOUTH
			AREHITEET5	SOUTH DAROTE	VA U.S. Department of Veterans Affai	t irs		Issue D 11/09/		Checked SO
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2 ENLARGED PLUMBING DEMOLITION PLAN 1/4" = 1'-0"



- DRAWINGS SHALL BE REVIEWED AT EACH CONSTRUCTION PROGRESS MEETING. N COORDINATE LOCATIONS OF ALL SERVICES WITH SITE CONTRACTOR.
- K PROVIDE AND INSTALL INDIVIDUAL SHUT OFF VALVES TO ALL WALL HYDRANTS AND HOSE BIBS. INSTALL SHUT OFF VALVES IN AN ACCESSIBLE LOCATION. L SEE SHEET MXX FOR DOMESTIC RISER DIAGRAMS. M MAINTAIN CURRENT AND ACCURATE FIELD DRAWINGS OF "AS -BUILT" CONDITIONS. THESE

H ITEMS INDICATED AS LIGHT ARE EXISTING AND ITEMS INDICATED AS DARK ARE NEW.

CONTAIN DUST AND DEBRIS, WITHIN CONSTRUCTION AREA.

J SEAL OFF AREAS WHERE CONSTRUCTION IS TO OCCUR FROM UNDISTURBED AREAS TO

- REQUIRED TO AVOID CONFLICT. E COORDINATE CUTTING AND PATCHING OF ALL SURFACES WITH GENERAL CONTRACTOR. F OBTAIN AND COORDINATE ALL "HOT WORK PERMITS" WITH OWNER FOR ALL WORK WHICH REQUIRES SAID PERMIT. G PROVIDE ADEQUATE VENTILATION AS PER OWNER AND OSHA TO PROPERLY REMOVE ODORS AND FUMES FROM SPACES WHERE WORK IS BEING PERFORMED TO OUTDOORS.

- REQUESTED BY OWNER. D COORDINATE PIPING LAYOUTS WITH ALL EXISTING CONDITIONS. PROVIDE OFFSET AS
- REQUIRED CLEARANCES. C COORDINATE ANY OUTAGES WITH OWNER A MINIMUM OF 48 HOURS IN ADVANCE, OR AS
- BEGINNING WORK. REPORT DISCREPANCIES TO ARCHITECT/ENGINEER. B DO NOT ROUTE PIPING ABOVE OR IN FRONT OF ELECTRICAL GEAR. MAINTAIN CODE
- OBSERVATIONS. MECHANICAL CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS BEFORE
- A DRAWINGS ARE SCHEMATIC IN NATURE BASED ON EXISTING DRAWINGS AND FIELD
- PLUMBING MISCELLANEOUS NOTES
- DRAWINGS SHALL BE REVIEWED AT EACH CONSTRUCTION PROGRESS MEETING.
- H PROVIDE ADEQUATE VENTILATION AS PER OWNER AND OSHA TO PROPERLY REMOVE ODORS AND FUMES FROM SPACES WHERE WORK IS BEING PERFORMED TO OUTDOORS. J MAINTAIN CURRENT AND ACCURATE FIELD DRAWINGS OF "AS -BUILT" CONDITIONS. THESE
- ITEMS INDICATED AS DARK ARE NEW. G SEAL OFF AREAS WHERE DEMOLITION IS TO OCCUR FROM UNDISTURBED AREAS TO CONTAIN DUST AND DEBRIS WITHIN THE DEMOLITION AREA.
- E COORDINATE CUTTING AND PATCHING OF ALL SURFACES WITH GENERAL CONTRACTOR. F ITEMS INDICATED AS DASHED ARE TO BE REMOVED, ITEMS INDICATED AS LIGHT ARE TO REMAIN.
- RECLAIM REFRIGERANT AS REQUIRED BY STATE AND LOCAL AUTHORITY HAVING JURISDICTION.
- D REMOVE EXISTING EQUIPMENT AS INDICATED ON PLANS. MECHANICAL CONTRACTOR SHALL
- SHALL DISPOSE OF ANY MATERIAL OR EQUIPMENT NOT TO BE SALVAGED BY OWNER AT NO ADDITIONAL COST TO THE PROJECT.
- REQUESTED BY OWNER.
- REPORT DISCREPANCIES TO ARCHITECT/ ENGINEER.

MECHANICAL DEMOLITION MISCELLANEOUS NOTES

A DRAWINGS ARE SCHEMATIC IN NATURE BASED ON EXISTING DRAWINGS AND FIELD OBSERVATIONS.

MECHANICAL CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS BEFORE BEGINNING WORK.

- C OWNER SHALL HAVE FIRST SALVAGE RIGHTS OF ALL MATERIALS AND EQUIPMENT. CONTRACTOR

- B COORDINATE ANY OUTAGES WITH OWNER A MINIMUM OF 48 HOURS IN ADVANCE, OR AS

- - - M143 EXISTING 4" SANITARY WASTE PIPING BELOW FLOOR TO REMAIN AND BE REUSED. M147 REMOVE WALL MOUNTED LAVATORY AT LOCATION SHOWN. REMOVE ALL COLD WATER, HOT WATER,

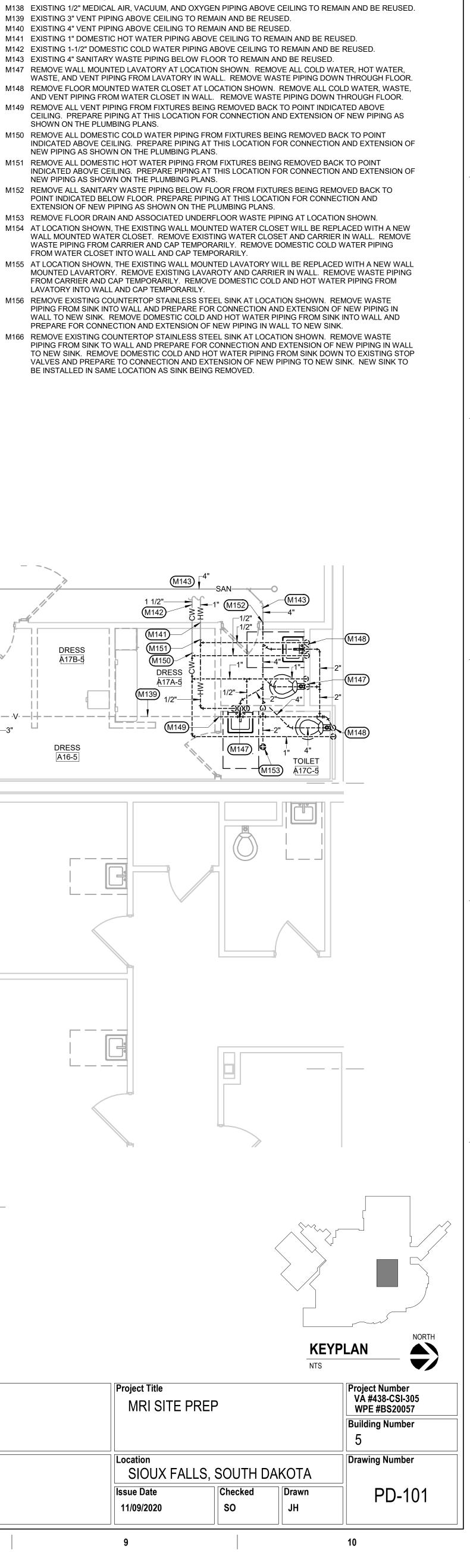
REMAIN AND BE REUSED.

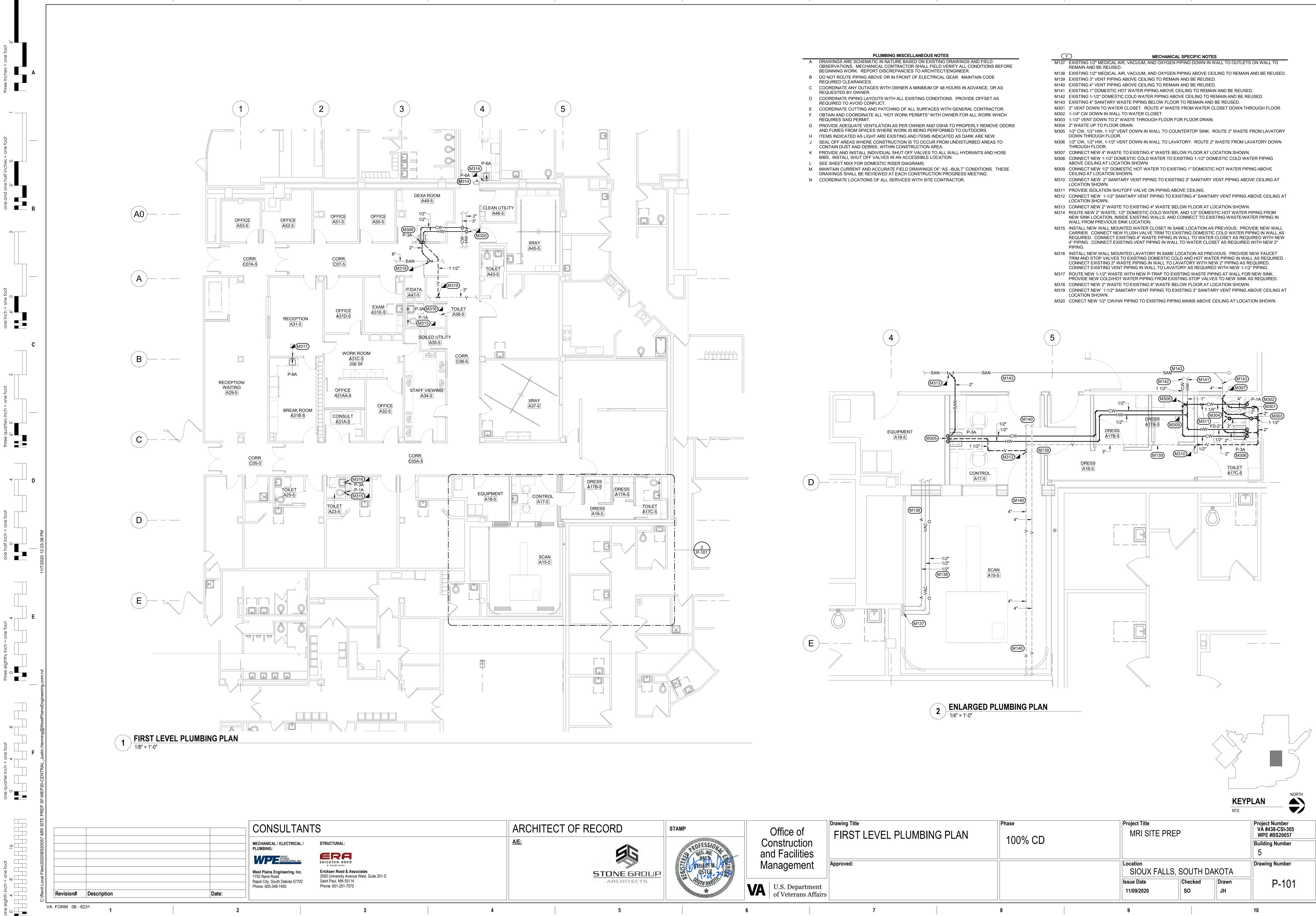
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- WASTE, AND VENT PIPING FROM LAVATORY IN WALL. REMOVE WASTE PIPING DOWN THROUGH FLOOR. M148 REMOVE FLOOR MOUNTED WATER CLOSET AT LOCATION SHOWN. REMOVE ALL COLD WATER, WASTE, AND VENT PIPING FROM WATER CLOSET IN WALL. REMOVE WASTE PIPING DOWN THROUGH FLOOR.
- M149 REMOVE ALL VENT PIPING FROM FIXTURES BEING REMOVED BACK TO POINT INDICATED ABOVE CEILING. PREPARE PIPING AT THIS LOCATION FOR CONNECTION AND EXTENSION OF NEW PIPING AS SHOWN ON THE PLUMBING PLANS. M150 REMOVE ALL DOMESTIC COLD WATER PIPING FROM FIXTURES BEING REMOVED BACK TO POINT
- INDICATED ABOVE CEILING. PREPARE PIPING AT THIS LOCATION FOR CONNECTION AND EXTENSION OF NEW PIPING AS SHOWN ON THE PLUMBING PLANS. M151 REMOVE ALL DOMESTIC HOT WATER PIPING FROM FIXTURES BEING REMOVED BACK TO POINT
- INDICATED ABOVE CEILING. PREPARE PIPING AT THIS LOCATION FOR CONNECTION AND EXTENSION OF NEW PIPING AS SHOWN ON THE PLUMBING PLANS. M152 REMOVE ALL SANITARY WASTE PIPING BELOW FLOOR FROM FIXTURES BEING REMOVED BACK TO POINT INDICATED BELOW FLOOR. PREPARE PIPING AT THIS LOCATION FOR CONNECTION AND EXTENSION OF NEW PIPING AS SHOWN ON THE PLUMBING PLANS.
- M153 REMOVE FLOOR DRAIN AND ASSOCIATED UNDERFLOOR WASTE PIPING AT LOCATION SHOWN. M154 AT LOCATION SHOWN. THE EXISTING WALL MOUNTED WATER CLOSET WILL BE REPLACED WITH A NEW WALL MOUNTED WATER CLOSET. REMOVE EXISTING WATER CLOSET AND CARRIER IN WALL. REMOVE
- WASTE PIPING FROM CARRIER AND CAP TEMPORARILY. REMOVE DOMESTIC COLD WATER PIPING FROM WATER CLOSET INTO WALL AND CAP TEMPORARILY.
- M155 AT LOCATION SHOWN, THE EXISTING WALL MOUNTED LAVATORY WILL BE REPLACED WITH A NEW WALL MOUNTED LAVARTORY. REMOVE EXISTING LAVAROTY AND CARRIER IN WALL. REMOVE WASTE PIPING FROM CARRIER AND CAP TEMPORARILY. REMOVE DOMESTIC COLD AND HOT WATER PIPING FROM LAVATORY INTO WALL AND CAP TEMPORARILY.
- M156 REMOVE EXISTING COUNTERTOP STAINLESS STEEL SINK AT LOCATION SHOWN. REMOVE WASTE PIPING FROM SINK INTO WALL AND PREPARE FOR CONNECTION AND EXTENSION OF NEW PIPING IN WALL TO NEW SINK. REMOVE DOMESTIC COLD AND HOT WATER PIPING FROM SINK INTO WALL AND
- PREPARE FOR CONNECTION AND EXTENSION OF NEW PIPING IN WALL TO NEW SINK. M166 REMOVE EXISTING COUNTERTOP STAINLESS STEEL SINK AT LOCATION SHOWN. REMOVE WASTE PIPING FROM SINK TO WALL AND PREPARE FOR CONNECTION AND EXTENSION OF NEW PIPING IN WALL
- TO NEW SINK. REMOVE DOMESTIC COLD AND HOT WATER PIPING FROM SINK DOWN TO EXISTING STOP VALVES AND PREPARE TO CONNECTION AND EXTENSION OF NEW PIPING TO NEW SINK. NEW SINK TO BE INSTALLED IN SAME LOCATION AS SINK BEING REMOVED.

MECHANICAL SPECIFIC NOTES

M137 EXISTING 1/2" MEDICAL AIR, VACUUM, AND OXYGEN PIPING DOWN IN WALL TO OUTLETS ON WALL TO





	PLUMBING MISCELLANEOUS NOTES
А	DRAWINGS ARE SCHEMATIC IN NATURE BASED ON EXISTING DRAWINGS AND FIELD
	OBSERVATIONS. MECHANICAL CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS BEFORE
	BEGINNING WORK. REPORT DISCREPANCIES TO ARCHITECT/ENGINEER.
В	DO NOT ROUTE PIPING ABOVE OR IN FRONT OF ELECTRICAL GEAR. MAINTAIN CODE REQUIRED CLEARANCES.

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	Approved:		Location SIOUX FALLS, SOUTH
epartment rans Affairs			Issue DateChecked11/09/2020SO
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				PLUMBING FIXTURE SCHEDULE					
UNIT	UNIT						SUP	PLY	
TYPE	NUMBER	MANUFACTURER	MODEL	FIXTURE TYPE	WASTE	VENT	CW	HW	TRIM/REMARKS
Р	1A	ZURN	Z5645-BWL	WATER CLOSET (FLOOR MOUNTED BATTERY SENSOR FV HET) 1.28 GPF, ADA HEIGHT	4"	2"	1 1/4"		1
Р	3A	ZURN	Z5361	LAVATORY (WALLHUNG TYPE SELF-SUSTAINING POWERED SENSOR FAUCET) 1.0 GPM LAMINAR FLOW, MOUNT AT ADA HEIGHT.	2"	1 1/2"	1/2"	1/2"	2
Р	6A	ELKAY	LRADQ191965PD	SINGLE COMPARTMENT SINK 19"X19"X6-1/2". 1.5 GPM LAMINAR FLOW, ADA	2"	1 1/2"	1/2"	1/2"	3

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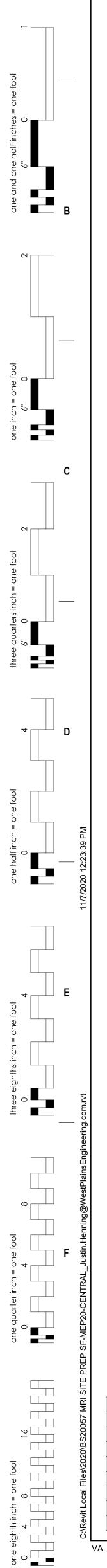
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COMMENTS: BEMIS 1955C WHITE OPEN FRONT SEAT WITH SS CHECK HINGE, VITREOUS CHINA ELONGATED BOWL SIPHON JET, TOP SPUD WATER CONNECTION AND REAR WASTE ROUGH-IN CONNECTION, ZURN ZER6000AV-HET-CPM BATTERY POWERED AUTOMATIC FLUSH VALVE, 1.28 GPF. PROVIDE WITH WALL CARRIER. ADA HEIGHT. 1 2 VITREOUS CHINA, CHICAGO FAUCET 116.975.AB.1 SELF-SUSTAINING POWER RIGID GOOSENECK FAUCET WITH VANDAL RESISTANT 1.0 GPM LAMINAR FLOW OUTLET. PROVIDE WITH FAUCET MANUFACTURER'S THERMOSTATIC MIXING VALVE. OFFSET GRID DRAIN, HOLES AT 4" CENTERS, TRUEBRO LAV GUARD TAILPIECE INSULATION, EBC LA12K SUPPLY KIT WITH STOP VALVE AND TUBE RISERS. PROVIDE LAVATORY WITH SINGLE HOLE FOR FAUCET. STAINLESS STEEL SINK WITH RIGID GOOSENECK FAUCET WITH 4" WRIST BLADE HANDLES AND VANDAL RESISTANT 1.5 GPM LAMINAR LOW OUTLET. PROVIDE WITH 17 GAUGE CHROME PLATED P-TRAP, STRAINER, AND LA12K SUPPLY KIT WITH KEYED ANGLED STOP VALVE AND THE FOR COUNTERTOP FLEVATIONS. COORDINATE SINK OPENING WITH COUNTERTOP MILLWORK. ADA COMPLIANT. PROVIDE ASSE 1070 RATED THERMAL 3 MIXING VALVE LOCATED DOWNSTREAM OF THE FIXTURE STOPS.



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	FORM 08-6	²³¹ 1	2	

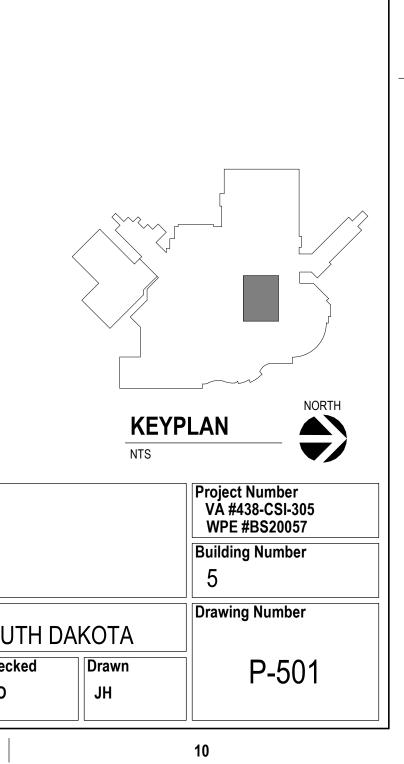
CONSULTANTS

CTRICAL / STRUCTURAL:

Ericksen Roed & Associates 2550 University Avenue West, Suite 201-S Saint Paul, MN 55114 Phone: 651-251-7570

		ARCHITECTS	SOUTH DAROTE	VA	U.S. Dep of Vetera
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fice of struction Facilities	Drawing Title PLUMBING DETAILS AND SCHEDULES	Phase 100% CD	Project Title MRI SITE PREP
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S. Department Veterans Affairs			Issue Date 11/09/2020 SO
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PIPING SYMBOL

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one eighth inch = one foot 0 4 8 16 0 4 8 16

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<u></u>	
HPS	HIGH PRESSURE STEAM (60 PSIG AND ABOVE)
HPR	HIGH PRESSURE STEAM CONDENSATE RETURN
MPS	MEDIUM PRESSURE STEAM (16 PSIG THRU 59 PSIG
MPR	MEDIUM PRESSURE STEAM CONDENSATE RETURN
LPS	LOW PRESSURE STEAM (15 PSIG AND BELOW)
LPR	LOW PRESSURE STEAM CONDENSATE RETURN
PC	CONDENSATE PUMP DISCHARGE
HWS	HOT WATER HEATING SUPPLY
HWR	HOT WATER HEATING RETURN
GHS	GLYCOL-WATER HEATING SUPPLY
GHR	GLYCOL-WATER HEATING RETURN
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
RHG	REFRIGERANT HOT GAS
CHS	CHILLED WATER SUPPLY
CHR	CHILLED WATER RETURN
GCS	CHILLED GLYCOL-WATER SUPPLY
GCR	CHILLED GLYCOL-WATER RETURN
D	DRAIN LINE
V	VENT LINE
X	EXISTING PIPE TO BE REMOVED

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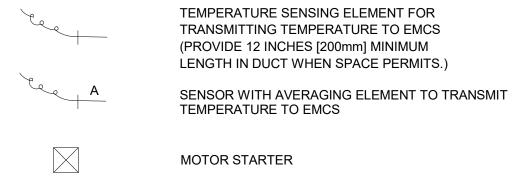
PIPING SYMBOLS			CONTROLS SYMBOLS	CONTROLS SYN
	GENERAL PIPING SYMBOLS	VALVE SYMBOLS	T ROOM THERMOSTAT/TRANSMITTER - WALL MOUNT	
A — COMPRESSED AIR COLD WATER (CITY WATER)	DIRECTION OF PIPE PITCH (DOWN)	GATE VALVE - THREADED/FLANGED GLOBE VALVE - THREADED/FLANGED		PSH PRESSURE SWITCH HIGH
SW SOFTENED WATER 	ANCHOR REDUCER OR INCREASER	GATE VALVE WITH 3/4" HOSE ADAPTER CHECK VALVE		PSL PRESSURE SWITCH LOW
		WYE STRAINER (WITH BALL VALVE & HOSE CONNECTION)	TT TEMPERATURE TRANSMITTER	(EPT) ELECTRONIC TO PNEUMATIC TRANSD
 * TYPE NUMBERS REFER TO MANUFACTURER'S STANDARDIZATION SOCIETY STANDARD PRACTICE SP-58 	↓ TOP CONNECTION, 45° OR 90° ↓ BOTTOM CONNECTION, 45° OR 90°	WYE STRAINER WITH VALVED DRAIN AND QUICK-COUPLE HOSE CONNECTOR	TT TEMPERATURE TRANSMITTER, AVERAGING ELEMENT	AT CARBON DIOXIDE TRANSMITTER
	SIDE CONNECTION		MT MOISTURE (HUMIDITY) TRANSMITTER	
	CAPPED OUTLET		PT PRESSURE TRANSMITTER	CAT CO CARBON MONOXIDE TRANSMITTER
		BALL VALVE MODULATING CONTROL VALVE	SPS STATIC PRESSURE SENSOR	AT OC OCCUPANCY SENSOR
	O PIPE UP C PIPE DOWN	MODULATING CONTROL VALVE TWO POSITION CONTROL VALVE	FT FLOW TRANSMITTER	LTCP LOCAL TEMPERATURE CONTROL PAN
	INVERTED BUCKET TRAP SET INCLUDING PIPING ACCESSORIES SEE DETAIL	THREE-WAY MODULATING CONTROL VALVE	IT CURRENT TRANSMITTER	HVAC HVAC CONTROL PANEL
	FLOAT & THERMOSTATIC TRAP SET INCLUDING PIPING ACCESSORIES SEE DETAIL		CT CONDUCTIVITY TRANSMITTER	VSMC VARIABLE SPEED MOTOR CONTROLL
	THERMOSTATIC TRAP SET INCLUDING PIPING ACCESSORIES SEE DETAIL	PRESSURE REGULATING VALVE	SD SMOKE DETECTOR	ECC INTEGRATE CONTROL POINT ON REM WORKSTATION AT ENERGY CONTROL
	THERMOMETER	PRESSURE REGULATING VALVE	PDT PRESSURE DIFFERENTIAL TRANSMITTER	TC TEMPERATURE CONTROLLER. SEE S OPERATION
			PDS PRESSURE DIFFERENTIAL SWITCH	PRESSURE CONTROLLER. SEE SEQU OPERATION
	FE FLOW ELEMENT	WATER BALANCE DEVICE	(HS) HAND SWITCH (HAND-OFF-AUTO SWITCH)	SPEED CONTROLLER. SEE SEQUENC
	REFRIGERANT SIGHT GLASS TEST PLUG (PRESSURE/TEMPERATURE)		ZC VALVE OR DAMPER POSITION CONTROLLER	FLOW CONTROLLER. SEE SEQUENCE
		GATE VALVE WITH GLOBE-VALVED BYPASS	KR LOCAL RECORDING TIME CLOCK (RUNTIME)	OPERATION
			TSL TEMPERATURE SWITCH, LOW (FREEZESTAT)	(FSH) FLOW SWITCH HIGH
		PRESSURE REDUCING VALVE (PRV)	TSH TEMPERATURE SWITCH, HIGH (FREEZESTAT)	FSL FLOW SWITCH LOW
	QUICK-COUPLE HOSE CONNECTOR	 WATER LEVEL CONTROLLER FLOW METER 	LC LEVEL CONTROLLER	KC TIME CLOCK CONTROLLING EQUIPME
			LT LEVEL TRANSMITTER	

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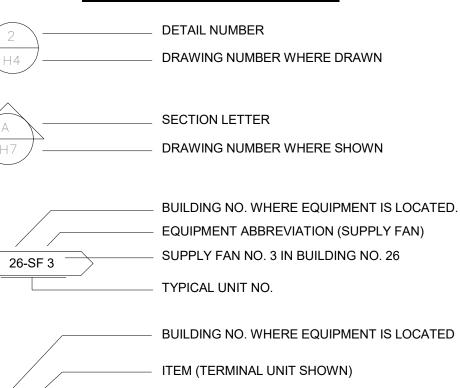
CONTROLS SYMBOLS



M ______ ELECTRIC OPERATED CONTROL DAMPER/OR VALVE



H4



SERVED BY AIR HANDLER UNIT NO. 1

26-TÚ-I-I ______ ITEM NUMBER (TERMINAL UNIT NO. 1)

CONSULTANTS MECHANICAL / ELECTRICAL / STRUCTURAL: PLUMBING: WPE NGINEERING, INC. Ericksen Roed & Associates 2550 University Avenue West, Suite 201-S West Plains Engineering, Inc. 1750 Rand Road Rapid City, South Dakota 57702 Saint Paul, MN 55114 Phone: 605-348-7455 Phone: 651-251-7570 Revision# Description Date:

VA FORM 08 - 6231 1

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AIR TERMINAL SYMBOLS

4 5	1		
	4		5

TERMINAL UNIT WITH REHEAT COIL

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FCU

FCU



CONVECTOR OR RADIATOR (RECESSED)

CONVECTOR OR RADIATOR (WALL HUNG)

FLOOR MOUNTED VERTICAL RECESSED FAN COIL UNIT. LETTER INDICATES UNIT SIZE.

FLOOR MOUNTED VERTICAL CABINET FAN COIL UNIT. LETTER INDICATES UNIT SIZE.

		MANUAL SP
45° SUPPI	- - - _ Y	STANDARD RETURN, NO
45° RETUI	2 	
		DUCT MOUN

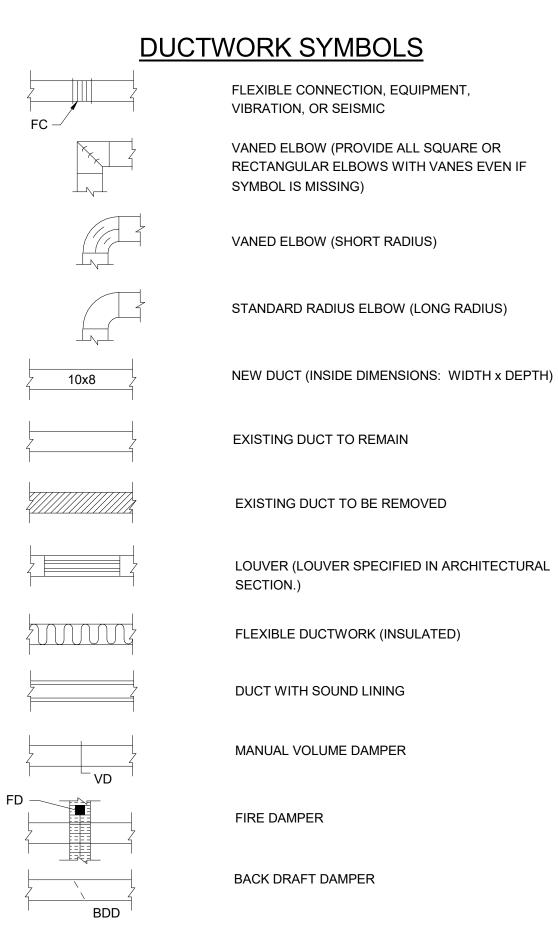
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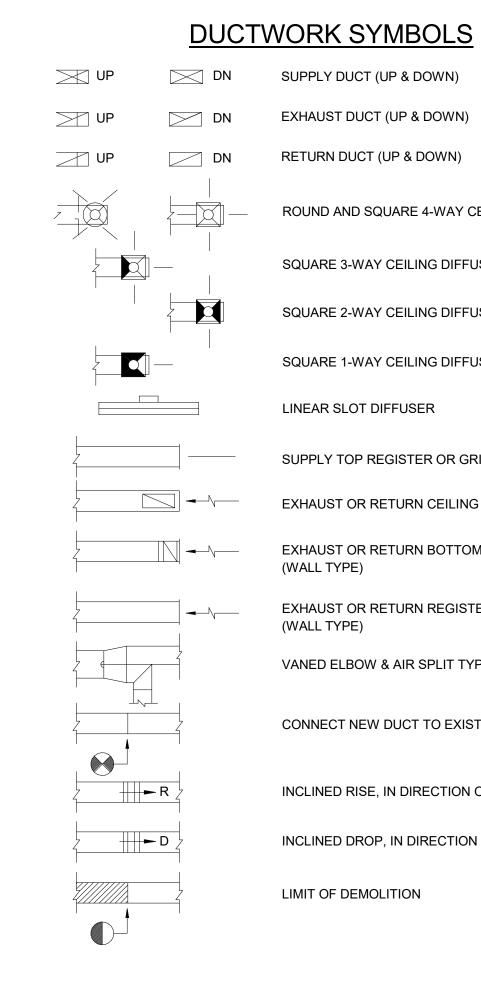
DUCTWORK SYMBOLS

PLITTER DAMPER

BRANCH SUPPLY OR NO SPLITTER (45° TAP)

JNTED COIL (HOT WATER OR STEAM COIL)





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SYMBOLS

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TRANSDUCER

ROL PANEL

NTROLLER

ON REMOTE GRAPHICS ONTROL CENTER

. SEE SEQUENCE OF

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QUENCE OF

QUIPMENT ON A SCHEDULE

EXHAUST DUCT (UP & DOWN)

ROUND AND SQUARE 4-WAY CEILING DIFFUSERS

SQUARE 3-WAY CEILING DIFFUSERS

SQUARE 2-WAY CEILING DIFFUSERS

SQUARE 1-WAY CEILING DIFFUSERS

SUPPLY TOP REGISTER OR GRILLE (WALL TYPE)

EXHAUST OR RETURN CEILING REGISTER OR GRILLE

EXHAUST OR RETURN BOTTOM REGISTER OR GRILLE

EXHAUST OR RETURN REGISTER OR TOP GRILLE

VANED ELBOW & AIR SPLIT TYPE DUCT TAKE-OFF

CONNECT NEW DUCT TO EXISTING DUCT

INCLINED RISE, IN DIRECTION OF AIR FLOW

INCLINED DROP, IN DIRECTION OF AIR FLOW

H DA	KOTA
d l	Drawn
	JH

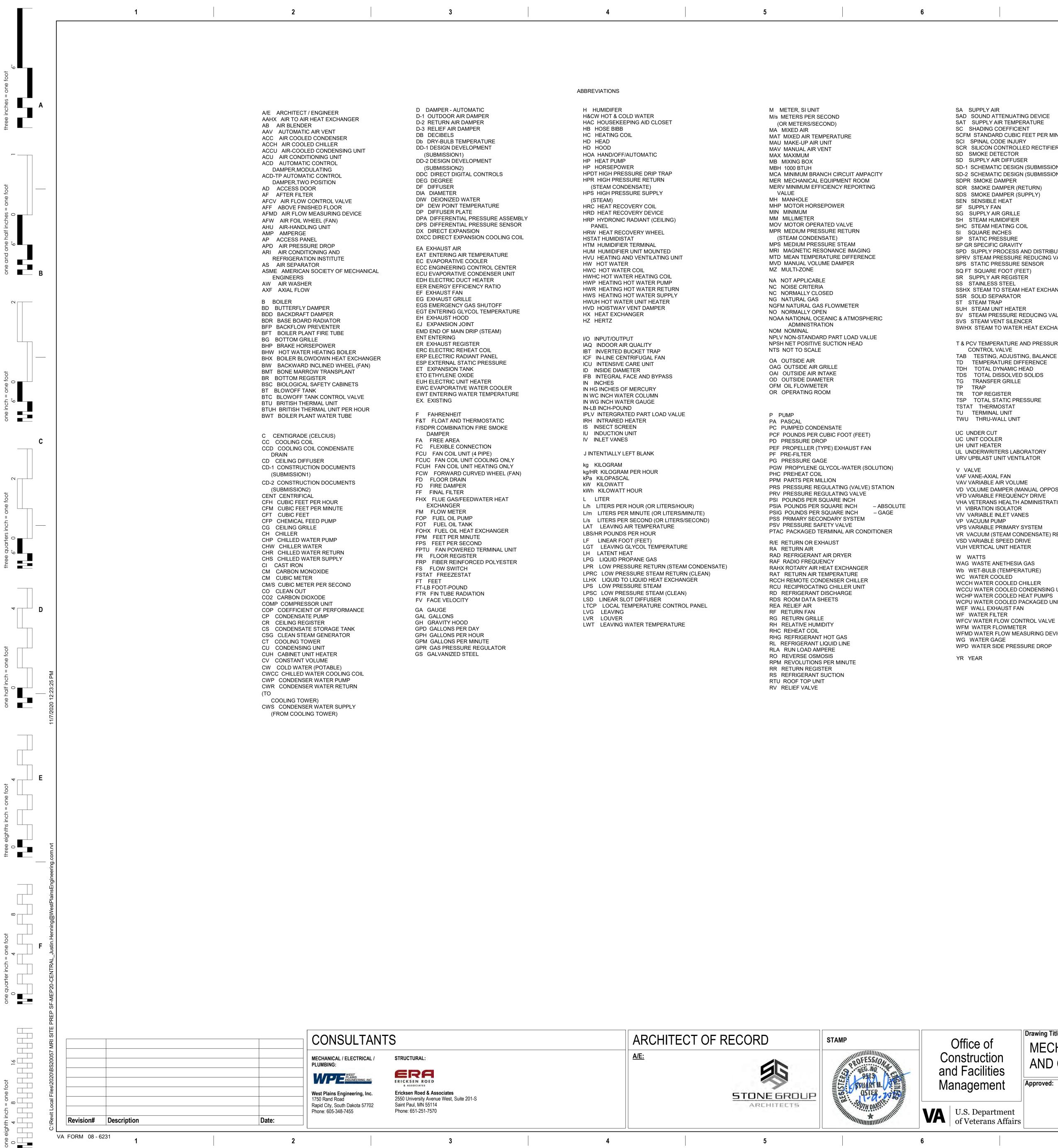
Drawing Number

Project Number VA #438-CSI-305

WPE #BS20057

Building Number

M-001



VA FORM 08 - 6231

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SAD SOUND ATTENUATING DEVICE SAT SUPPLY AIR TEMPERATURE

SC SHADING COEFFICIENT SCFM STANDARD CUBIC FEET PER MINUTE SCI SPINAL CODE INJURY SCR SILICON CONTROLLED RECTIFIER

SD SMOKE DETECTOR SD SUPPLY AIR DIFFUSER SD-1 SCHEMATIC DESIGN (SUBMISSION1)

SD-2 SCHEMATIC DESIGN (SUBMISSION2) SDPR SMOKE DAMPER SDR SMOKE DAMPER (RETURN)

SDS SMOKE DAMPER (SUPPLY) SEN SENSIBLE HEAT

SG SUPPLY AIR GRILLE SH STEAM HUMIDIFIER SHC STEAM HEATING COIL SI SQUARE INCHES

SP GR SPECIFIC GRAVITY SPD SUPPLY PROCESS AND DISTRIBUTION SPRV STEAM PRESSURE REDUCING VALVE SPS STATIC PRESSURE SENSOR

SQ FT SQUARE FOOT (FEET) SR SUPPLY AIR REGISTER

SSHX STEAM TO STEAM HEAT EXCHANGER SSR SOLID SEPARATOR

SV STEAM PRESSURE REDUCING VALVE SVS STEAM VENT SILENCER SWHX STEAM TO WATER HEAT EXCHANGER

T & PCV TEMPERATURE AND PRESSURE CONTROL VALVE

TD TEMPERATURE DIFFERENCE TDH TOTAL DYNAMIC HEAD TDS TOTAL DISSOLVED SOLIDS TG TRANSFER GRILLE

TSP TOTAL STATIC PRESSURE TSTAT THERMOSTAT TU TERMINAL UNIT TWU THRU-WALL UNIT

UL UNDERWRITERS LABORATORY

VAF VANE-AXIAL FAN

VD VOLUME DAMPER (MANUAL OPPOSED BLADE) VFD VARIABLE FREQUENCY DRIVE VHA VETERANS HEALTH ADMINISTRATION VI VIBRATION ISOLATOR VIV VARIABLE INLET VANES

VPS VARIABLE PRIMARY SYSTEM VR VACUUM (STEAM CONDENSATE) RETURN VSD VARIABLE SPEED DRIVE VUH VERTICAL UNIT HEATER

WAG WASTE ANETHESIA GAS Wb WET-BULB (TEMPERATURE)

WCCH WATER COOLED CHILLER WCCU WATER COOLED CONDENSING UNIT WCHP WATER COOLED HEAT PUMPS WCPU WATER COOLED PACKAGED UNIT

WF WATER FILTER WFCV WATER FLOW CONTROL VALVE WFM WATER FLOWMETER

WFMD WATER FLOW MEASURING DEVICE WG WATER GAGE WPD WATER SIDE PRESSURE DROP

GENERAL NOTES

- 1. ALL PIPING AND DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN A FURRED CHASE OR ABOVE GYPSUM BOARD OR ACOUSTIC CEILING
- 2. THE FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED. DUCT SIZES ARE NET INSIDE DIMENSIONS.
- 3. ACCESS PANELS IN HARD SUSPENDED CEILINGS ARE REQUIRED FOR ALL VALVES, TRAPS, DAMPERS, CLEANOUTS, CONTROLS, ETC. ACCESS PANELS SHALL BE FURNISHED AND INSTALLED UNDER THE ARCHITECTURAL SPECIFICATIONS.
- 4. TOTAL STATIC PRESSURE NOTED IN THE SCHEDULES INCLUDES DUCT SYSTEM, TERMINAL UNITS, FILTERS, COILS, ETC. 5. FOR TYPICAL STEAM AND WATER PIPING CONNECTIONS TO EQUIPMENT, SEE STANDARD
- EQUIPMENT DETAILS. 6. DIFFUSER, REGISTER AND GRILLE SIZES SHOWN ON FLOOR PLANS ARE NECK SIZES.
- 7 WATER PIPE CONNECTIONS TO AIR HEATING AND COOLING COILS SHALL BE MADE TO PROVIDE COUNTER FLOW BETWEEN WATER AND AIR.
- 8. WALL TYPE EXHAUST REGISTERS NOTED AS "BR" ON DRAWINGS ARE TO BE INSTALLED WITH BOTTOM ELEVATION OF REGISTER AT 4" [101mm] ABOVE FINISHED FLOOR.
- 9. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF CEILING DIFFUSERS, REGISTERS, AND GRILLES.

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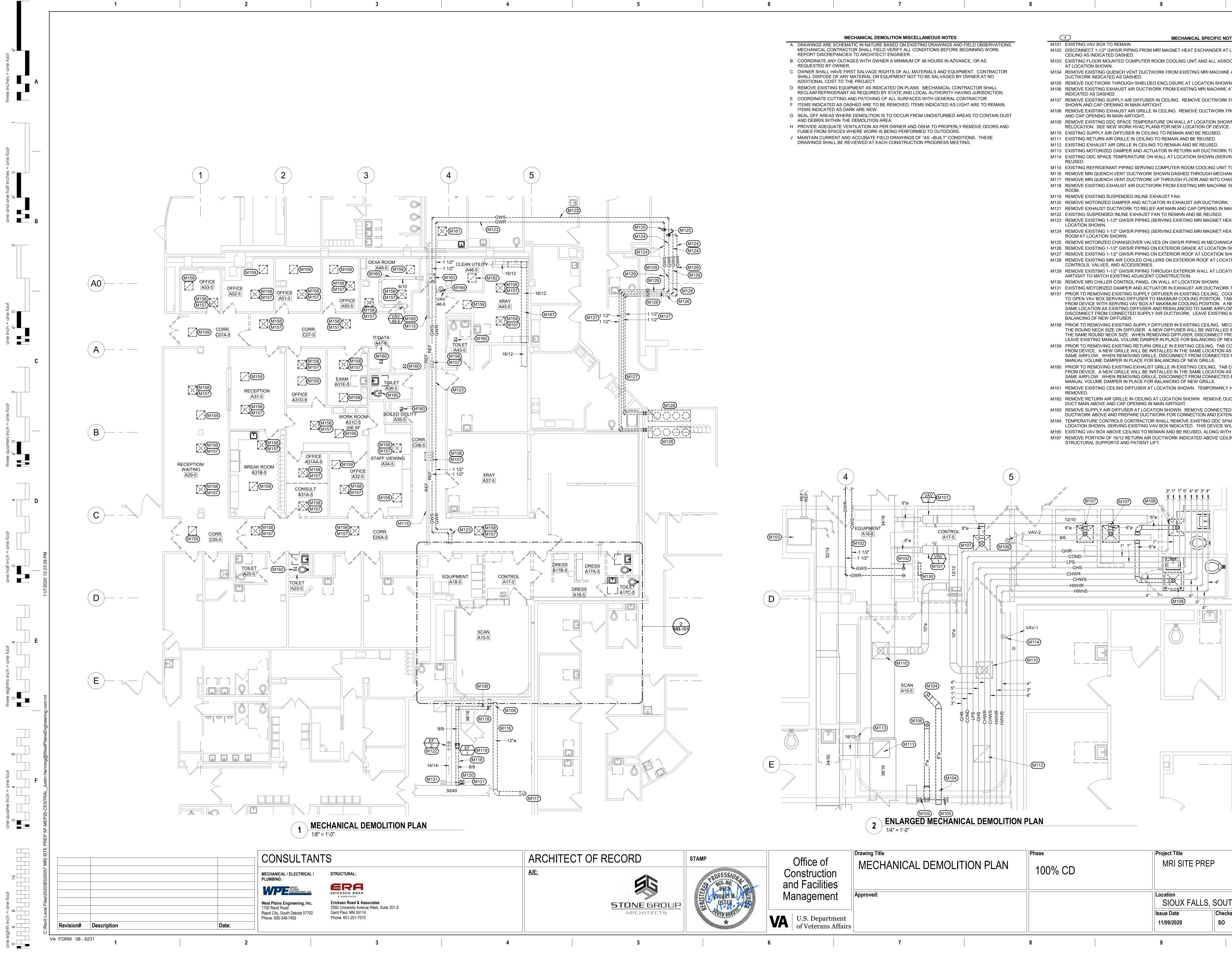
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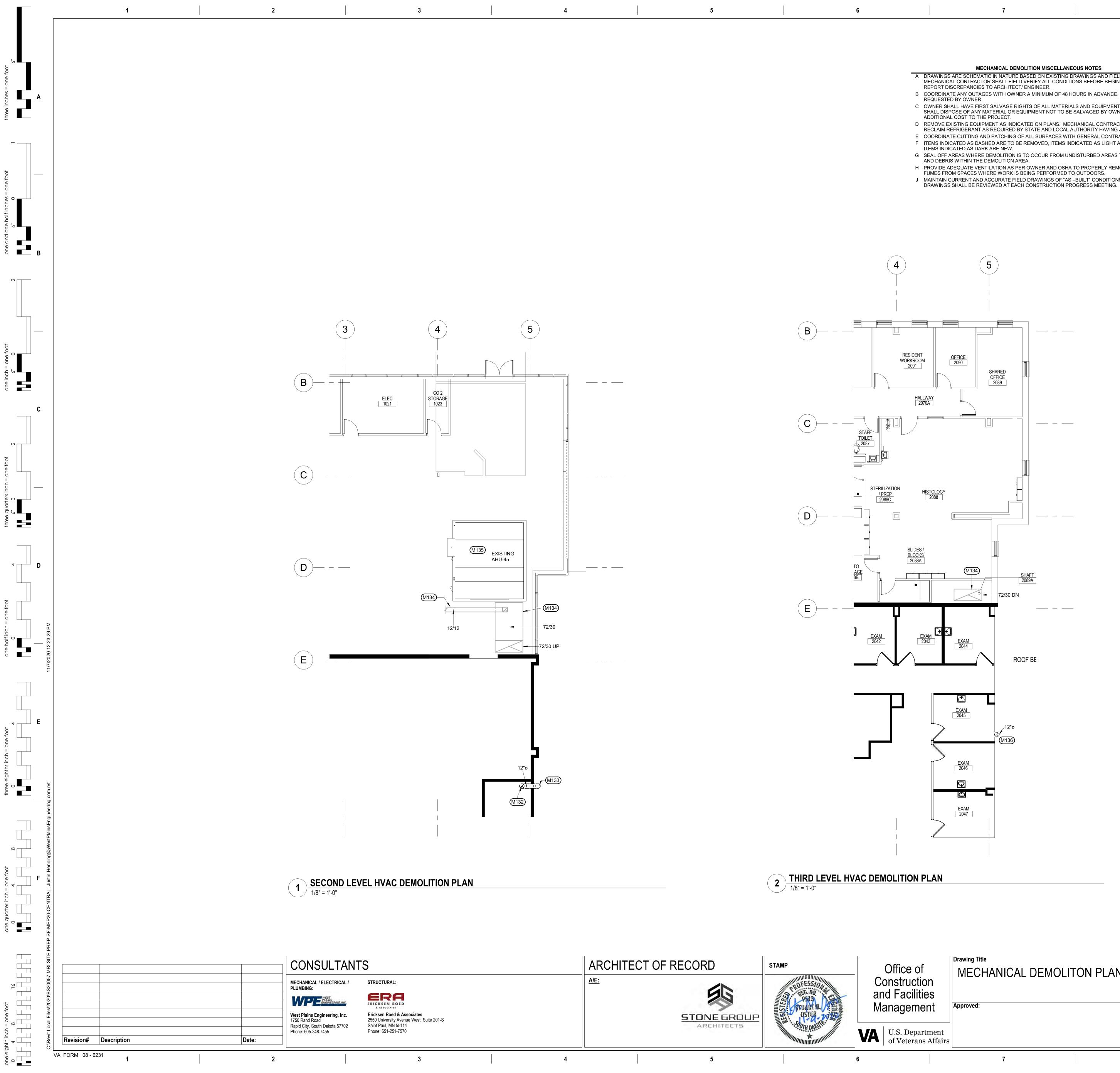
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MECHANICAL DEMOLITION MISCELLANEOUS NOTES	C	# MECHANICAL SPECI
GS ARE SCHEMATIC IN NATURE BASED ON EXISTING DRAWINGS AND FIELD OBSERVATIONS.	-	EXISTING VAV BOX TO REMAIN
IICAL CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS BEFORE BEGINNING WORK. DISCREPANCIES TO ARCHITECT/ ENGINEER.	M102	DISCONNECT 1-1/2" GWS/R PIPING FROM MRI MAGNET HEAT EXCHANG CEILING AS INDICATED DASHED.
NATE ANY OUTAGES WITH OWNER A MINIMUM OF 48 HOURS IN ADVANCE, OR AS TED BY OWNER.	M103	EXISTING FLOOR MOUNTED COMPUTER ROOM COOLING UNIT AND ALL AT LOCATION SHOWN.
SHALL HAVE FIRST SALVAGE RIGHTS OF ALL MATERIALS AND EQUIPMENT. CONTRACTOR ISPOSE OF ANY MATERIAL OR EQUIPMENT NOT TO BE SALVAGED BY OWNER AT NO	M104	REMOVE EXISTING QUENCH VENT DUCTWORK FROM EXISTING MRI MA DUCTWORK INDICATED AS DASHED.
	M105	REMOVE DUCTWORK THROUGH SHIELDED ENCLOSURE AT LOCATION
EXISTING EQUIPMENT AS INDICATED ON PLANS. MECHANICAL CONTRACTOR SHALL I REFRIGERANT AS REQUIRED BY STATE AND LOCAL AUTHORITY HAVING JURISDICTION.	M106	REMOVE EXISTING EXHAUST AIR DUCTWORK FROM EXISTING MRI MAC INDICATED AS DASHED.
NATE CUTTING AND PATCHING OF ALL SURFACES WITH GENERAL CONTRACTOR. IDICATED AS DASHED ARE TO BE REMOVED, ITEMS INDICATED AS LIGHT ARE TO REMAIN.	M107	REMOVE EXISTING SUPPLY AIR DIFFUSER IN CEILING. REMOVE DUCTV SHOWN AND CAP OPENING IN MAIN AIRTIGHT.
IDICATED AS DARK ARE NEW. F AREAS WHERE DEMOLITION IS TO OCCUR FROM UNDISTURBED AREAS TO CONTAIN DUST	M108	REMOVE EXISTING EXHAUST AIR GRILLE IN CEILING. REMOVE DUCTWO AND CAP OPENING IN MAIN AIRTIGHT.
BRIS WITHIN THE DEMOLITION AREA. E ADEQUATE VENTILATION AS PER OWNER AND OSHA TO PROPERLY REMOVE ODORS AND	M109	REMOVE EXISTING DDC SPACE TEMPERATURE ON WALL AT LOCATION RELOCATION. SEE NEW WORK HVAC PLANS FOR NEW LOCATION OF D
ROM SPACES WHERE WORK IS BEING PERFORMED TO OUTDOORS.	M110	EXISTING SUPPLY AIR DIFFUSER IN CEILING TO REMAIN AND BE REUSE
N CURRENT AND ACCURATE FIELD DRAWINGS OF "AS -BUILT" CONDITIONS. THESE	M111	EXISTING RETURN AIR GRILLE IN CEILING TO REMAIN AND BE REUSED.
GS SHALL BE REVIEWED AT EACH CONSTRUCTION PROGRESS MEETING.	M112	EXISTING EXHAUST AIR GRILLE IN CEILING TO REMAIN AND BE REUSED
	M113	EXISTING MOTORIZED DAMPER AND ACTUATOR IN RETURN AIR DUCTV
	M114	EXISTING DDC SPACE TEMPERATURE ON WALL AT LOCATION SHOWN REUSED.
	M115	EXISTING REFRIGERANT PIPING SERVING COMPUTER ROOM COOLING
	M116	REMOVE MRI QUENCH VENT DUCTWORK SHOWN DASHED THROUGH M
	M117	REMOVE MRI QUENCH VENT DUCTWORK UP THROUGH FLOOR AND INT
	M118	REMOVE EXISTING EXHAUST AIR DUCTWORK FROM EXISTING MRI MAC ROOM.

M101			
M101			
	D	MECHANICAL SPECIFIC NOTES	
	EXISTING VAV BOX TO REMAIN DISCONNECT 1-1/2" GWS/R PIPING FROM MF	I MAGNET HEAT EXCHANGER AT LOC	ATION SHOWN. REMOVE PIPING ABOVE
M103	CEILING AS INDICATED DASHED. EXISTING FLOOR MOUNTED COMPUTER RO(AT LOCATION SHOWN.	DM COOLING UNIT AND ALL ASSOCIAT	ED PIPING AND CONTROLS TO REMAIN
-	REMOVE EXISTING QUENCH VENT DUCTWO DUCTWORK INDICATED AS DASHED.		OCATION SHOWN. REMOVE
M106	REMOVE DUCTWORK THROUGH SHIELDED E REMOVE EXISTING EXHAUST AIR DUCTWOR INDICATED AS DASHED.		CATION SHOWN. REMOVE DUCTWORK
M107	REMOVE EXISTING SUPPLY AIR DIFFUSER IN SHOWN AND CAP OPENING IN MAIN AIRTIGH		I DIFFUSER TO SERVING MAIN AS
	REMOVE EXISTING EXHAUST AIR GRILLE IN AND CAP OPENING IN MAIN AIRTIGHT.		
	REMOVE EXISTING DDC SPACE TEMPERATU RELOCATION. SEE NEW WORK HVAC PLANS	FOR NEW LOCATION OF DEVICE.	ERVING EXISTING VAV BOX) FOR
M111	EXISTING SUPPLY AIR DIFFUSER IN CEILING EXISTING RETURN AIR GRILLE IN CEILING TO EXISTING EXHAUST AIR GRILLE IN CEILING T	REMAIN AND BE REUSED.	
M113	EXISTING MOTORIZED DAMPER AND ACTUA EXISTING DDC SPACE TEMPERATURE ON W.	FOR IN RETURN AIR DUCTWORK TO RE	-
	REUSED. EXISTING REFRIGERANT PIPING SERVING C	,	
M117	REMOVE MRI QUENCH VENT DUCTWORK SH REMOVE MRI QUENCH VENT DUCTWORK UP	THROUGH FLOOR AND INTO CHASE A	T LOCATION SHOWN.
	REMOVE EXISTING EXHAUST AIR DUCTWOR ROOM. REMOVE EXISTING SUSPENDED INLINE EXH.		VN AS DASHED THROUGH MECHANICAL
M120	REMOVE EXISTING COOLENDED INFINE EXIL REMOVE MOTORIZED DAMPER AND ACTUAT REMOVE EXHAUST DUCTWORK TO RELIEF A	OR IN EXHAUST AIR DUCTWORK.	IRTIGHT.
M122	EXISTING SUSPENDED INLINE EXHAUST FAN REMOVE EXISTING 1-1/2" GWS/R PIPING (SEI	I TO REMAIN AND BE REUSED.	
M124	LOCATION SHOWN. REMOVE EXISTING 1-1/2" GWS/R PIPING (SEI	RVING EXISTING MRI MAGNET HEAT EX	(CHANGER) EXPOSED IN MECHANICAL
M125	ROOM AT LOCATION SHOWN. REMOVE MOTORIZED CHANGEOVER VALVES REMOVE EXISTING 1-1/2" GWS/R PIPING ON I		
M127	REMOVE EXISTING 1-1/2 GWS/R FIFING ON REMOVE EXISTING 1-1/2" GWS/R PIPING ON REMOVE EXISTING MRI AIR COOLED CHILLE	EXTERIOR ROOF AT LOCATION SHOW	Ν.
M129	CONTROLS, VALVES, AND ACCESSORIES. REMOVE EXISTING 1-1/2" GWS/R PIPING THR	OUGH EXTERIOR WALL AT LOCATION	
M130	AIRTIGHT TO MATCH EXISTING ADJACENT C REMOVE MRI CHILLER CONTROL PANEL ON	ONSTRUCTION. WALL AT LOCATION SHOWN.	
M157	EXISTING MOTORIZED DAMPER AND ACTUA PRIOR TO REMOVING EXISTING SUPPLY DIF TO OPEN VAV BOX SERVING DIFFUSER TO M	FUSER IN EXISTING CEILING, COORDI	NATE WITH CONTROLS CONTRACTOR
	FROM DEVICE WITH SERVING VAV BOX AT M SAME LOCATION AS EXISTING DIFFUSER AN	AXIMUM COOLING POSITION. A NEW I D REBALANCED TO SAME AIRFLOW. V	DIFFUSER WILL BE INSTALLED IN THE VHEN REMOVING DIFFUSER,
	DISCONNECT FROM CONNECTED SUPPLY A BALANCING OF NEW DIFFUSER.	R DUCTWORK. LEAVE EXISTING MAN	UAL VOLUME DAMPERS IN PLACE FOR
	PRIOR TO REMOVING EXISTING SUPPLY DIF THE ROUND NECK SIZE ON DIFFUSER. A NE THE SAME ROUND NECK SIZE. WHEN REMO	W DIFFUSER WILL BE INSTALLED IN TH VING DIFFUSER, DISCONNECT FROM (HE SAME LOCATION AS EXISTING WITH CONNECTED SUPPLY AIR DUCTWORK.
M159	LEAVE EXISTING MANUAL VOLUME DAMPER PRIOR TO REMOVING EXISTING RETURN GR	IN PLACE FOR BALANCING OF NEW D ILLE IN EXISTING CEILING, TAB CONTI	FFUSER. RACTOR TO OBTAIN CFM AIRFLOW
	FROM DEVICE. A NEW GRILLE WILL BE INST SAME AIRFLOW. WHEN REMOVING GRILLE, MANUAL VOLUME DAMPER IN PLACE FOR BA	DISCONNECT FROM CONNECTED RET	
M160	PRIOR TO REMOVING EXISTING EXHAUST GI FROM DEVICE. A NEW GRILLE WILL BE INST	RILLE IN EXISTING CEILING, TAB CONT ALLED IN THE SAME LOCATION AS EXI	STING GRILLE AND REBALANCED TO
	SAME AIRFLOW. WHEN REMOVING GRILLE, MANUAL VOLUME DAMPER IN PLACE FOR BA	LANCING OF NEW GRILLE.	
	REMOVE EXISTING CEILING DIFFUSER AT LC REMOVED. REMOVE RETURN AIR GRILLE IN CEILING AT		
	DUCT MAIN ABOVE AND CAP OPENING IN MA REMOVE SUPPLY AIR DIFFUSER AT LOCATIO	IN AIRTIGHT.	
M164	DUCTWORK ABOVE AND PREPARE DUCTWO TEMPERATURE CONTROLS CONTRACTOR S	HALL REMOVE EXISTING DDC SPACE	EMPERATURE SENSOR ON WALL AT
M165	LOCATION SHOWN, SERVING EXISTING VAV EXISTING VAV BOX ABOVE CEILING TO REM/	AIN AND BE REUSED, ALONG WITH CO	NNECTED DUCTWORK INDICATED.
	REMOVE PORTION OF 16/12 RETURN AIR DU STRUCTURAL SUPPORTS AND PATIENT LIFT		T LOCATION SHOWN, TO CLEAR NEW
	/		
	(M107) (M107) (M108)	3" 1" 1" 5" 4" 6" 3" 4" 	
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- A DRAWINGS ARE SCHEMATIC IN NATURE BASED ON EXISTING DRAWINGS AND FIELD OBSERVATIONS. MECHANICAL CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS BEFORE BEGINNING WORK.
- B COORDINATE ANY OUTAGES WITH OWNER A MINIMUM OF 48 HOURS IN ADVANCE, OR AS
- C OWNER SHALL HAVE FIRST SALVAGE RIGHTS OF ALL MATERIALS AND EQUIPMENT. CONTRACTOR SHALL DISPOSE OF ANY MATERIAL OR EQUIPMENT NOT TO BE SALVAGED BY OWNER AT NO
- D REMOVE EXISTING EQUIPMENT AS INDICATED ON PLANS. MECHANICAL CONTRACTOR SHALL RECLAIM REFRIGERANT AS REQUIRED BY STATE AND LOCAL AUTHORITY HAVING JURISDICTION.
- E COORDINATE CUTTING AND PATCHING OF ALL SURFACES WITH GENERAL CONTRACTOR. F ITEMS INDICATED AS DASHED ARE TO BE REMOVED, ITEMS INDICATED AS LIGHT ARE TO REMAIN.
- G SEAL OFF AREAS WHERE DEMOLITION IS TO OCCUR FROM UNDISTURBED AREAS TO CONTAIN DUST
- H PROVIDE ADEQUATE VENTILATION AS PER OWNER AND OSHA TO PROPERLY REMOVE ODORS AND
- J MAINTAIN CURRENT AND ACCURATE FIELD DRAWINGS OF "AS -BUILT" CONDITIONS. THESE
- (#) MECHANICAL SPECIFIC NOTES M132 REMOVE EXISTING 12" QUENCH VENT DUCTWORK IN EXISTING CHASE AT LOCATION DOWN. REMOVE DUCTWORK DOWN THROUGH FLOOR. SEE FIRST LEVEL DEMOLITION PLANS FOR CONTINUATION. M133 REMOVE EXISTING 12" QUENCH VENT DUCTWORK UP EXPOSED ON EXTERIOR OF BUILDING AT LOCATION SHOWN. SEE THIRD LEVEL DEMOLITION PLAN FOR CONTINUATION.

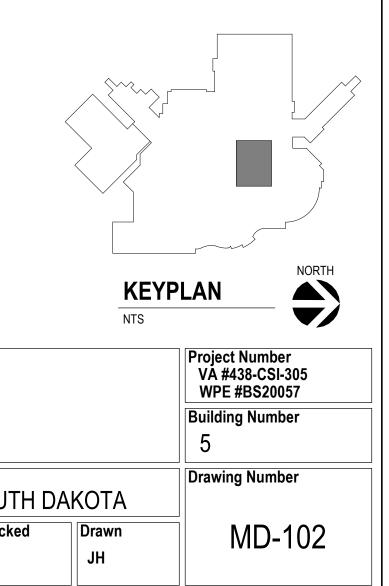
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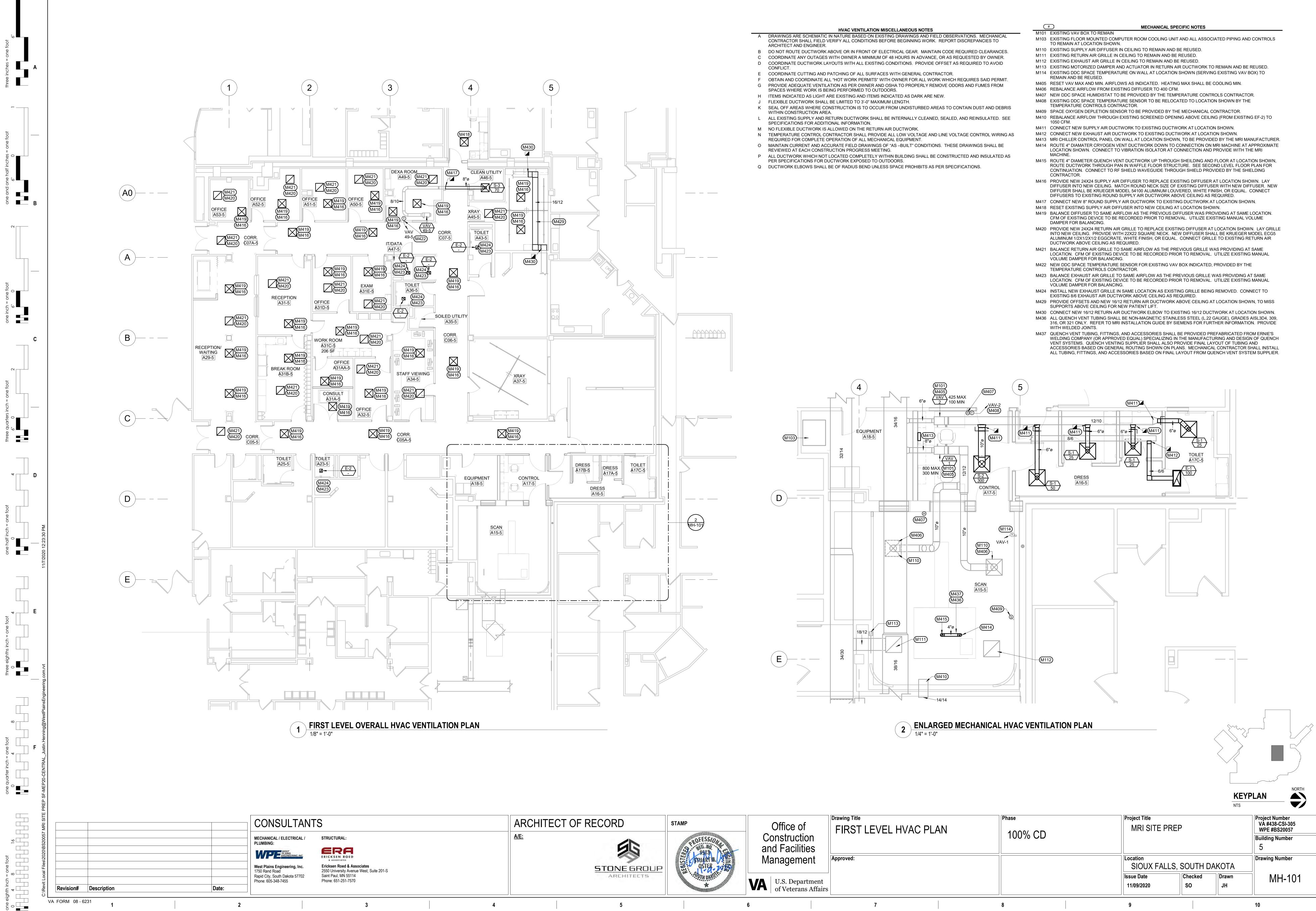
M134 EXISTING EXHAUST DUCTWORK TO REMAIN AND BE REUSED AT LOCATION SHOWN. M135 EXISTING AIR HANDLING UNIT TO REMAIN AND BE REUSED AT LOCATION SHOWN. M136 REMOVE EXISTING 12" QUENCH VENT DUCTWORK UP AND DOWN EXPOSED ON EXTERIOR OF BUILDING AT LOCATION SHOWN. SEE SECOND LEVEL DEMOLITION PLAN FOR CONTINUATION DOWN. REMOVE TERMINATION AT THE ROOF LINE.

e of uction cilities	Drawing Title MECHANICAL DEMOLITON PLAN	Phase 100% CD	Project Title MRI SITE PRE	P
ement	Approved:		Location SIOUX FALLS	, SOUTH
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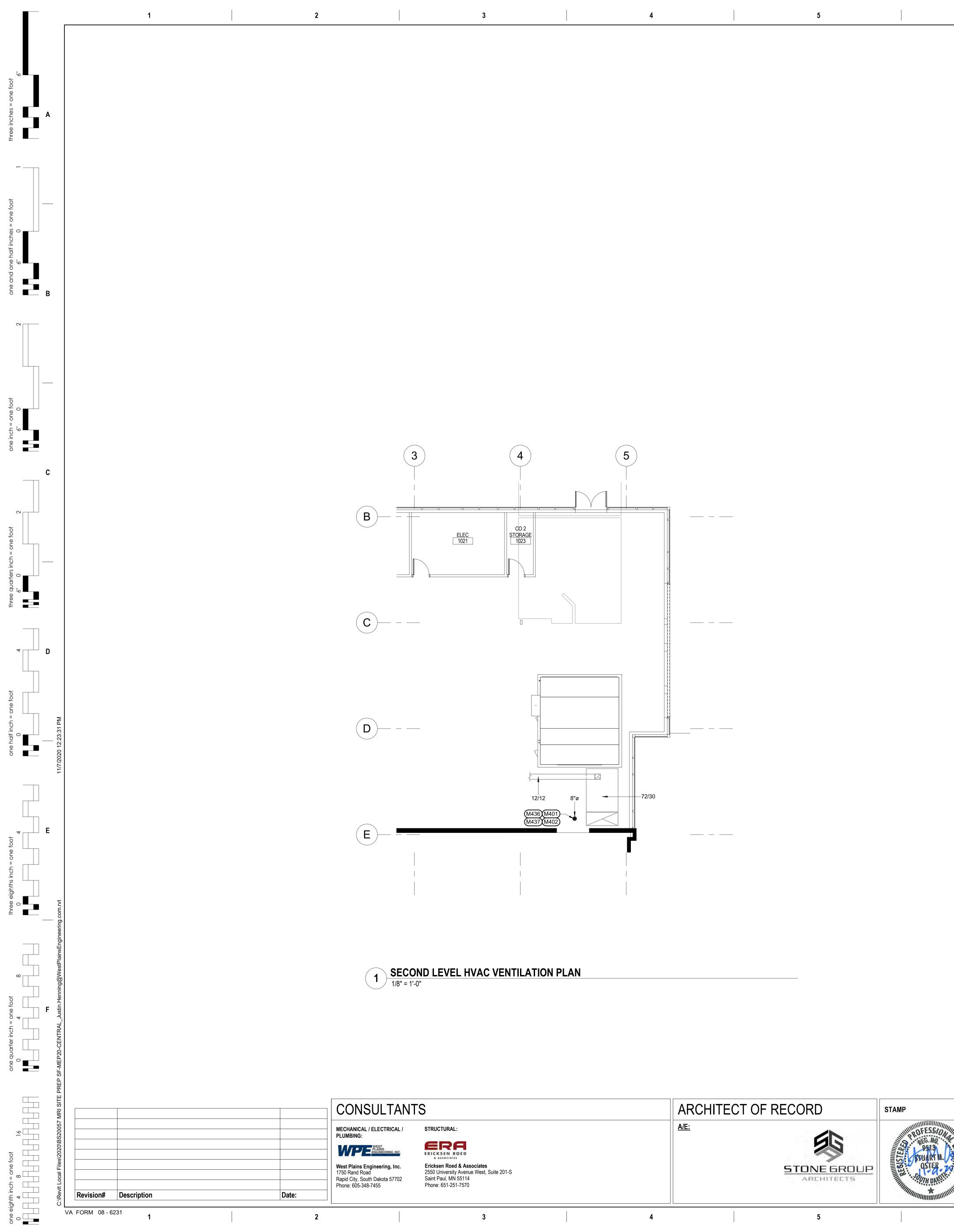
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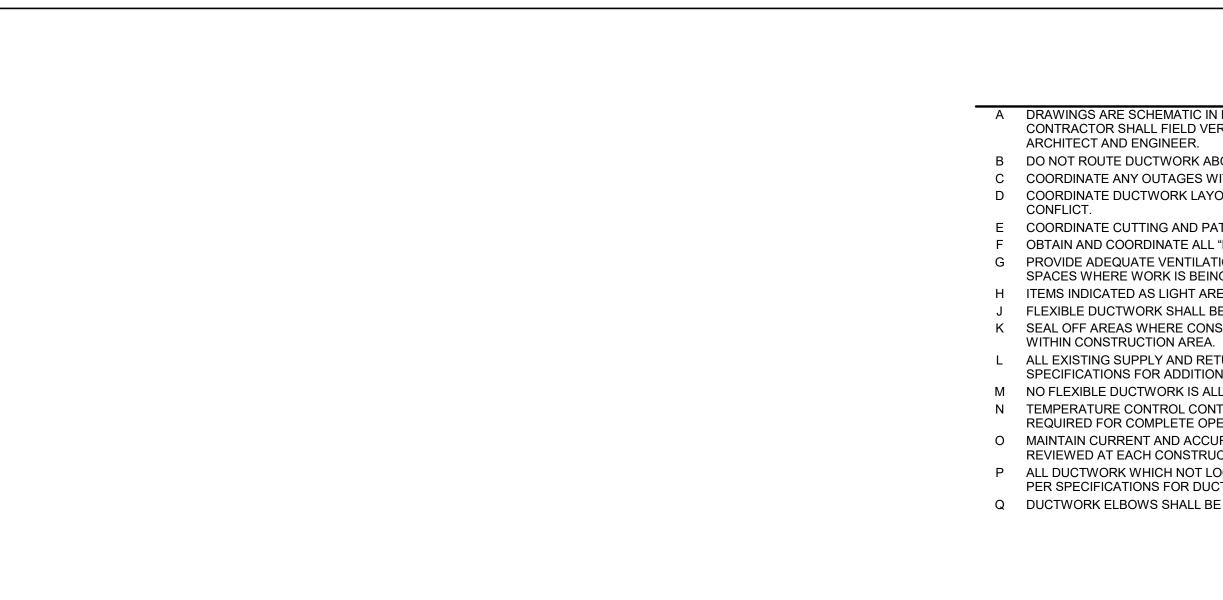




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ARC <u>A/E:</u>	CHITECT OF		STAMP NUMPROFESSION	Office of Construction	Drawing Title HVAC PLAN	Phase 100% CD	Project Title MRI SITE PR	\EP
		STONE GROUP	STUART M. AST	and Facilities Management	Approved:		Location SIOUX FALL	S, SOUTH
		ARCHITECTS	TH DANG S	VA U.S. Department of Veterans Affairs			Issue Date 11/09/2020	Checked SO
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HVAC VENTILATION MISCELLANEOUS NOTES A DRAWINGS ARE SCHEMATIC IN NATURE BASED ON EXISTING DRAWINGS AND FIELD OBSERVATIONS. MECHANICAL CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS BEFORE BEGINNING WORK. REPORT DISCREPANCIES TO

B DO NOT ROUTE DUCTWORK ABOVE OR IN FRONT OF ELECTRICAL GEAR. MAINTAIN CODE REQUIRED CLEARANCES. C COORDINATE ANY OUTAGES WITH OWNER A MINIMUM OF 48 HOURS IN ADVANCE, OR AS REQUESTED BY OWNER. D COORDINATE DUCTWORK LAYOUTS WITH ALL EXISTING CONDITIONS. PROVIDE OFFSET AS REQUIRED TO AVOID

E COORDINATE CUTTING AND PATCHING OF ALL SURFACES WITH GENERAL CONTRACTOR. F OBTAIN AND COORDINATE ALL "HOT WORK PERMITS" WITH OWNER FOR ALL WORK WHICH REQUIRES SAID PERMIT. G PROVIDE ADEQUATE VENTILATION AS PER OWNER AND OSHA TO PROPERLY REMOVE ODORS AND FUMES FROM SPACES WHERE WORK IS BEING PERFORMED TO OUTDOORS.

H ITEMS INDICATED AS LIGHT ARE EXISTING AND ITEMS INDICATED AS DARK ARE NEW. J FLEXIBLE DUCTWORK SHALL BE LIMITED TO 3'-0" MAXIMUM LENGTH.

K SEAL OFF AREAS WHERE CONSTRUCTION IS TO OCCUR FROM UNDISTURBED AREAS TO CONTAIN DUST AND DEBRIS L ALL EXISTING SUPPLY AND RETURN DUCTWORK SHALL BE INTERNALLY CLEANED, SEALED, AND REINSULATED. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

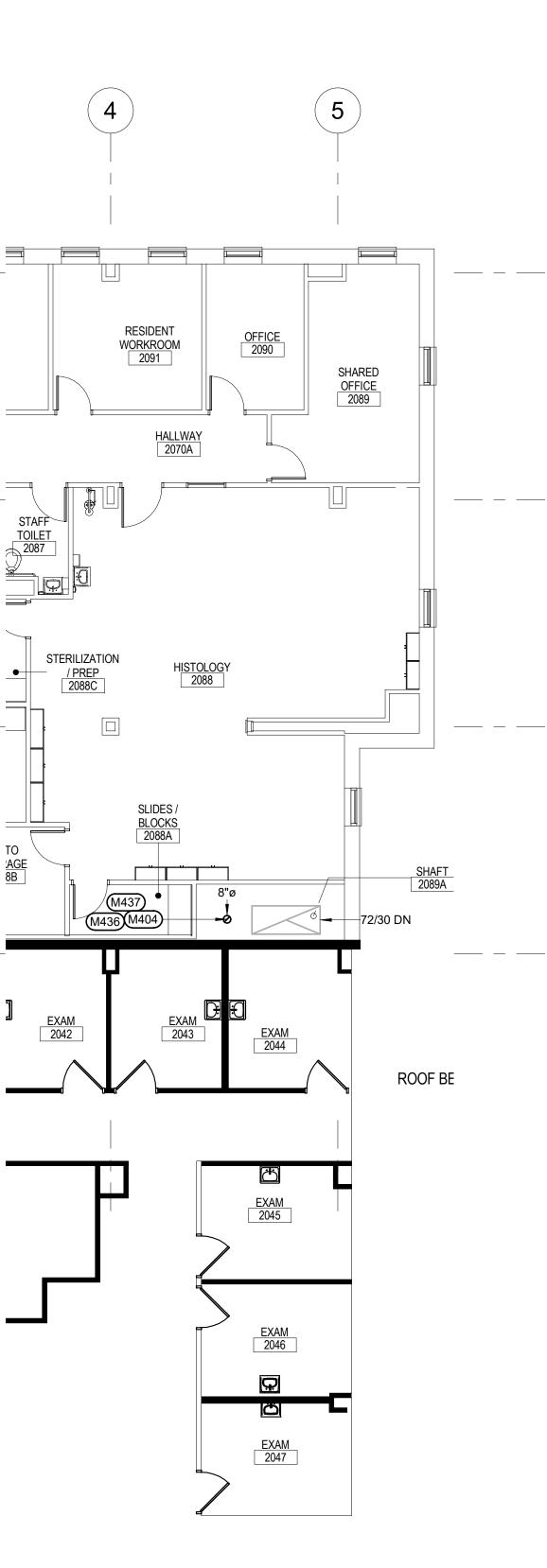
M NO FLEXIBLE DUCTWORK IS ALLOWED ON THE RETURN AIR DUCTWORK. N TEMPERATURE CONTROL CONTRACTOR SHALL PROVIDE ALL LOW VOLTAGE AND LINE VOLTAGE CONTROL WIRING AS REQUIRED FOR COMPLETE OPERATION OF ALL MECHANICAL EQUIPMENT. O MAINTAIN CURRENT AND ACCURATE FIELD DRAWINGS OF "AS -BUILT" CONDITIONS. THESE DRAWINGS SHALL BE REVIEWED AT EACH CONSTRUCTION PROGRESS MEETING.

P ALL DUCTWORK WHICH NOT LOCATED COMPLETELY WITHIN BUILDING SHALL BE CONSTRUCTED AND INSULATED AS PER SPECIFICATIONS FOR DUCTWORK EXPOSED TO OUTDOORS. Q DUCTWORK ELBOWS SHALL BE OF RADIUS BEND UNLESS SPACE PROHIBITS AS PER SPECIFICATIONS.

AL SPECIFIC NOTES
OWN TO 4" DOWN THRO DUCTWORK THROUGH CONTINUATION. COOI IT INSTALLATION.
P THROUGH FLOOR AT INTO CHASE ABOVE FL
P AND DOWN IN EXISTIN ONTINUATION DOWN. I DETAILS ON PLANS.

M436 ALL QUENCH VENT TUBING SHALL BE NON-MAGNETIC STAINLESS STEEL (L.22 GAUGE), GRADES AISL3D4, 309, 316, OR 321 ONLY. REFER TO MRI INSTALLATION GUIDE BY SIEMENS FOR FURTHER INFORMATION. PROVIDE WITH WELDED JOINTS. M437 QUENCH VENT TUBING, FITTINGS, AND ACCESSORIES SHALL BE PROVIDED PREFABRICATED FROM ERNIE'S WELDING COMPANY (OR APPROVED EQUAL) SPECIALIZING IN THE MANUFACTURING AND

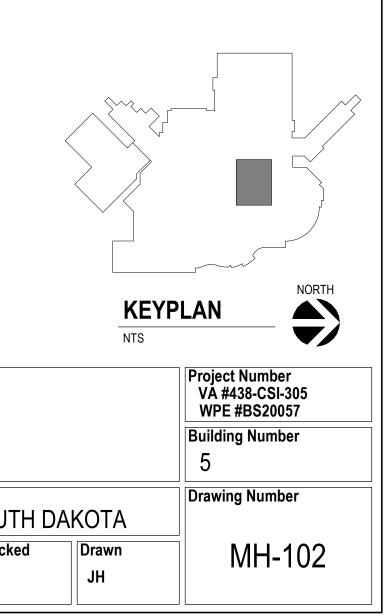
DESIGN OF QUENCH VENT SYSTEMS. QUENCH VENTING SUPPLIER SHALL ALSO PROVIDE FINAL LAYOUT OF TUBING AND ACCESSORIES BASED ON GENERAL ROUTING SHOWN ON PLANS. MECHANICAL CONTRACTOR SHALL INSTALL ALL TUBING, FITTINGS, AND ACCESSORIES BASED ON FINAL LAYOUT FROM QUENCH VENT SYSTEM SUPPLIER.

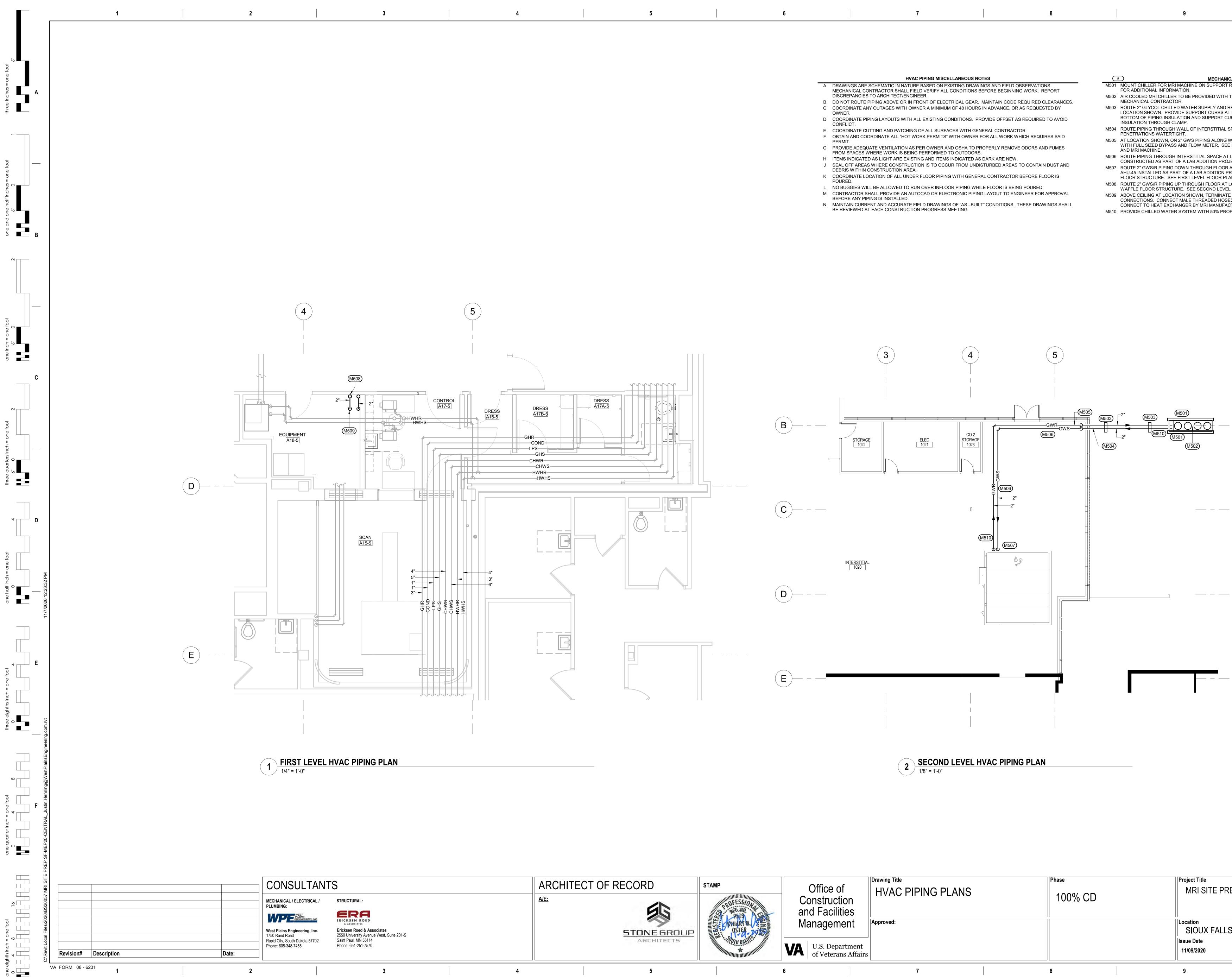


NOTES OWN THROUGH FLOOR AT LOCATION THROUGH PAN IN WAFFLE FLOOR ON. COORDINATE EXACT LOCATION OF TION. LOOR AT LOCATION SHOWN, BESIDE ABOVE FLOOR. SEE THIRD LEVEL IN EXISTING CHASE AT LOCATION N DOWN. ROUTE VENT UP THROUGH

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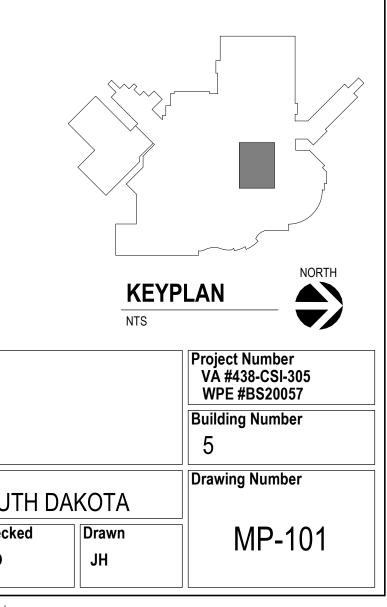
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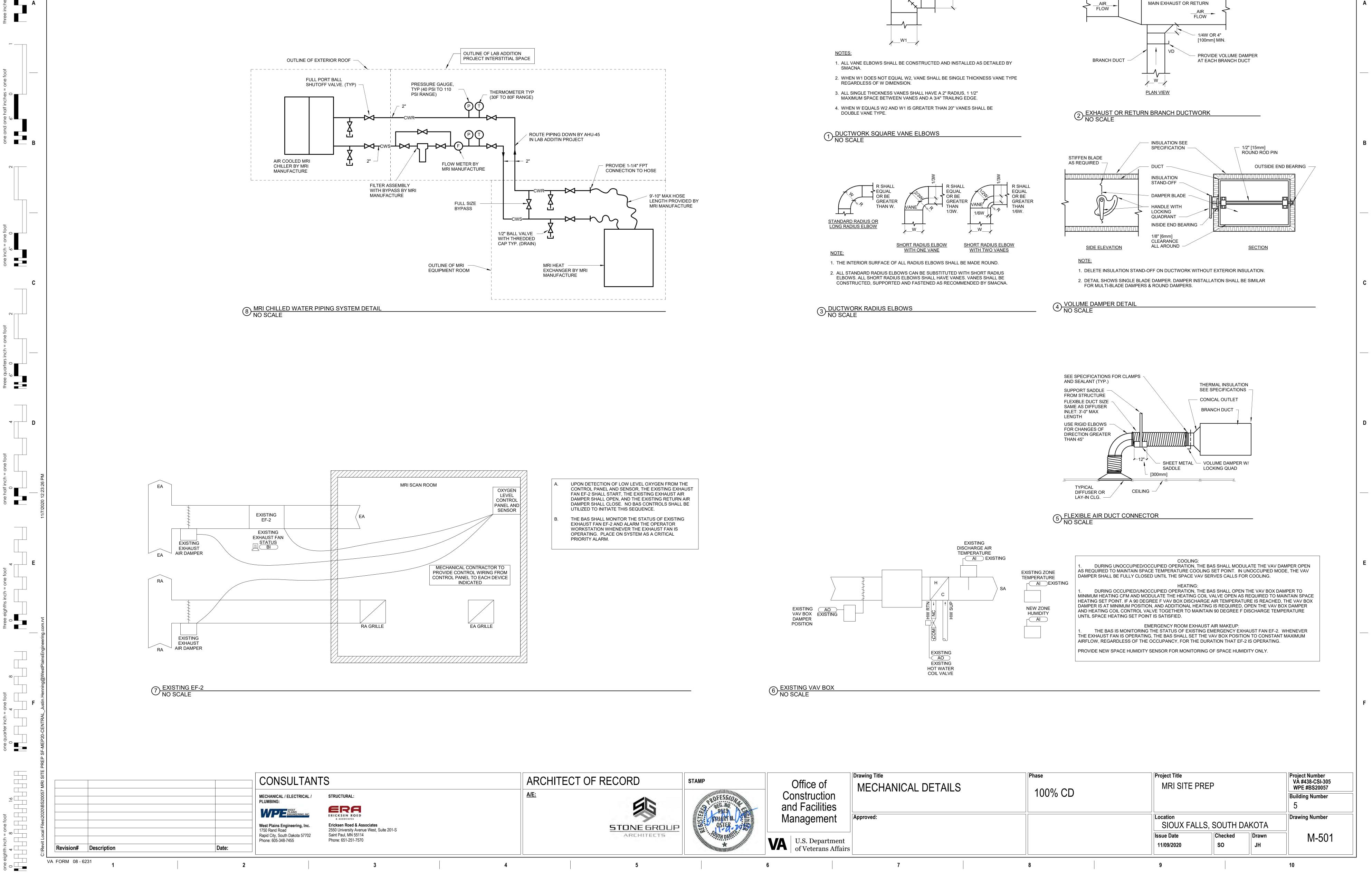


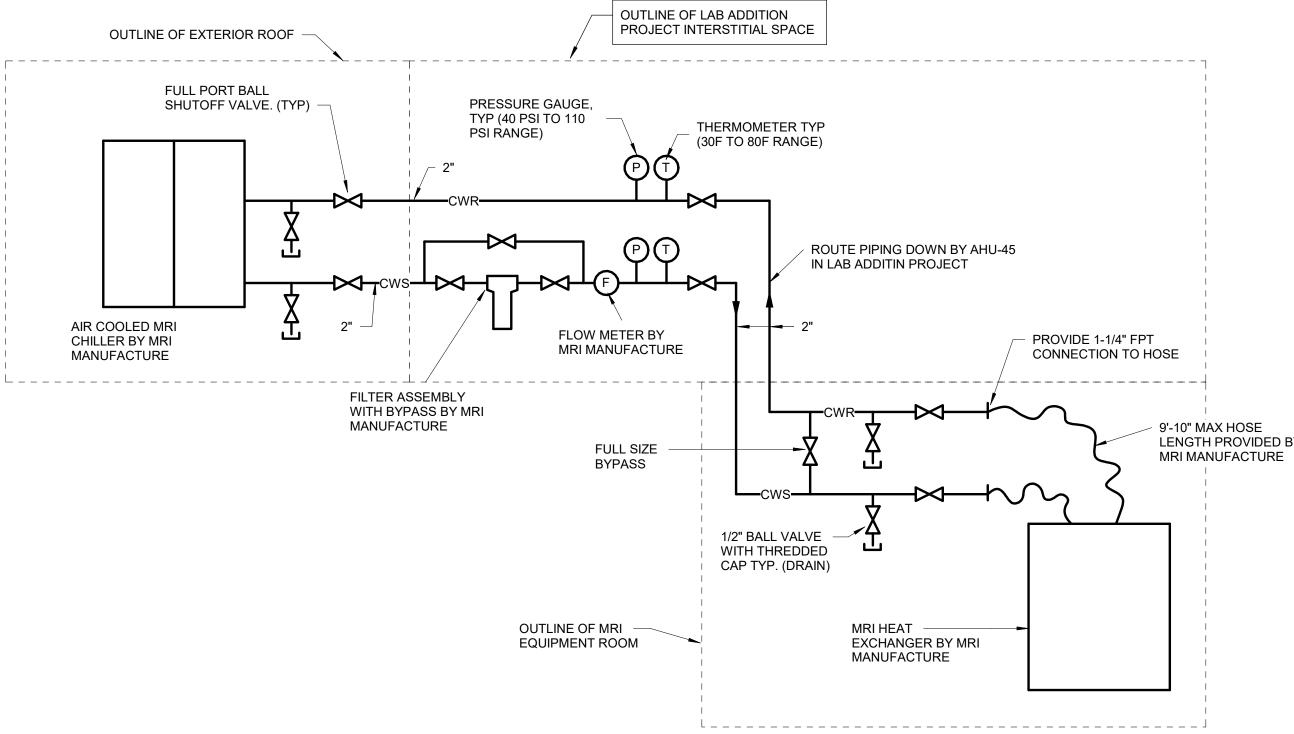


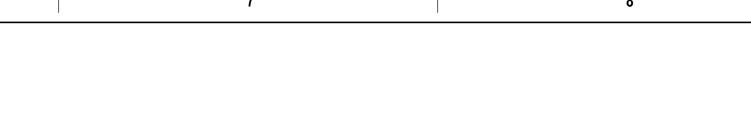
HVAC PIPING MISCELLANEOUS NOTES	# MECHANICAL SPECIFIC NOTES
HVAC PIPING MISCELLANEOUS NOTES RAWINGS ARE SCHEMATIC IN NATURE BASED ON EXISTING DRAWINGS AND FIELD OBSERVATIONS. EXCEPANCIES TO ARCHITECT/ENGINEER. D NOT ROUTE PIPING ABOVE OR IN FRONT OF ELECTRICAL GEAR. MAINTAIN CODE REQUIRED CLEARANCES. DORDINATE ANY OUTAGES WITH OWNER A MINIMUM OF 48 HOURS IN ADVANCE, OR AS REQUESTED BY WNER. DORDINATE PIPING LAYOUTS WITH ALL EXISTING CONDITIONS. PROVIDE OFFSET AS REQUIRED TO AVOID DNFLICT. DORDINATE CUTTING AND PATCHING OF ALL SURFACES WITH GENERAL CONTRACTOR. BTAIN AND COORDINATE ALL "HOT WORK PERMITS" WITH OWNER FOR ALL WORK WHICH REQUIRES SAID EXMIT. ROVIDE ADEQUATE VENTILATION AS PER OWNER AND OSHA TO PROPERLY REMOVE ODORS AND FUMES ROM SPACES WHERE WORK IS BEING PERFORMED TO OUTDOORS. EMS INDICATED AS LIGHT ARE EXISTING AND ITEMS INDICATED AS DARK ARE NEW. EAL OFF AREAS WHERE CONSTRUCTION IS TO OCCUR FROM UNDISTURBED AREAS TO CONTAIN DUST AND EBRIS WITHIN CONSTRUCTION AREA. DORDINATE LOCATION OF ALL UNDER FLOOR PIPING WITH GENERAL CONTRACTOR BEFORE FLOOR IS DURED. D BUGGIES WILL BE ALLOWED TO RUN OVER INFLOOR PIPING WHILE FLOOR IS BEING POURED. D BUGGIES WILL BE ALLOWED TO RUN OVER INFLOOR PIPING WHILE FLOOR IS BEING POURED. D BUGGIES WILL BE ALLOWED TO RUN OVER INFLOOR PIPING WHILE FLOOR IS BEING POURED. D BUGGIES WILL BE ALLOWED TO RUN OVER INFLOOR PIPING WHILE FLOOR IS BEING POURED. D BUGGIES WILL BE ALLOWED TO RUN OVER INFLOOR PIPING WHILE FLOOR IS BEING POURED. D BUGGIES WILL BE ALLOWED TO RUN OVER INFLOOR PIPING WHILE FLOOR IS BEING POURED. D BUGGIES WILL BE ALLOWED TO RUN OVER INFLOOR PIPING WHILE FLOOR IS BEING POURED. D BUGGIES WILL BE ALLOWED TO RUN OVER INFLOOR PIPING WHILE FLOOR IS BEING POURED. D BUGGIES WILL BE ALLOWED TO RUN OVER INFLOOR PIPING WHILE FLOOR IS BEING POURED. D BUGGIES WILL BE ALLOWED TO RUN OVER INFLOOR PIPING WHILE FLOOR IS BEING POURED. D BUGGIES WILL BE ALLOWED TO RUN OVER INFLOOR PIPING WHILE FLOOR IS BEING POURED. D AT EACH CONSTRUCTION PROGRESS MEETING.	 (#) MECHANICAL SPECIFIC NOTES M501 MOUNT CHILLER FOR MRI MACHINE ON SUPPORT RAILS ON ROOF AT LOCATION SHOWN. SEE DE FOR ADDITIONAL INFORMATION. M502 AIR COOLED MRI CHILLER TO BE PROVIDED WITH THE MRI MACHINE AND INSTALLED BY THE MECHANICAL CONTRACTOR. M503 ROUTE 2" GLYCOL CHILLED WATER SUPPLY AND RETURN (GWS/R) FROM MRI CHILLER ALONG RC LOCATION SHOWN. PROVIDE SUPPORT CURBS AT LOCATION SHOWN. PROVIDE UNISTRUT BETW BOTTOM OF PIPING INSULATION AND SUPPORT CURB AND CLAMP PIPING TO UNISTRUT. CARRY INSULATION THROUGH WALL OF INTERSTITIAL SPACE AT LOCATION SHOWN. SEAL PIPING PENETRATIONS WATERTIGHT. M504 ROUTE PIPING THROUGH WALL OF INTERSTITIAL SPACE AT LOCATION SHOWN. SEAL PIPING PENETRATIONS WATERTIGHT. M505 AT LOCATION SHOWN, ON 2" GWS PIPING ALONG WALL, INSTALL CHILLER MANUFACTURER'S FILT WITH FULL SIZED BYPASS AND FLOW METER. SEE DETAILS FOR PIPING SCHEMATIC BETWEEN CLAND MRI MACHINE. M506 ROUTE PIPING THROUGH INTERSTITIAL SPACE AT LOCATION SHOWN. INTERSTITIAL SPACE IS BE CONSTRUCTED AS PART OF A LAB ADDITION PROJECT. M507 ROUTE 2" GWS/R PIPING DOWN THROUGH FLOOR AT LOCATION SHOWN, DIRECTLY ADJACENT TO AHU-45 INSTALLED AS PART OF A LAB ADDITION PROJECT. M508 ROUTE 2" GWS/R PIPING UP THROUGH FLOOR AT LOCATION SHOWN, DIRECTLY ADJACENT TO AHU-45 INSTALLED AS PART OF A LAB ADDITION PROJECT. NOUTE PIPING THROUGH PAN IN WAF FLOOR STRUCTURE. SEE FIRST LEVEL FLOOR PLANS FOR CONTINUATION. M508 ROUTE 2" GWS/R PIPING UP THROUGH FLOOR AT LOCATION SHOWN, DIRECTLY ADJACENT TO AHU-45 INSTALLED AS PART OF A LAB ADDITION PROJECT. M508 ROUTE 2" GWS/R PIPING UP THROUGH FLOOR AT LOCATION SHOWN. DIRECTLY ADJACENT TO AHU-45 INSTALLED AS PART OF A LAB ADDITION PROJECT. M508 ROUTE 2" GWS/R PIPING UP THROUGH FLOOR PLANS FOR CONTINUATION. M508 ROUTE 2" GWS/R PIPING UP THROUGH FLOOR PLANS FOR CONTINUATION. M508 ROUTE 2" GWS/R PIPING UP THROUGH FLOOR PLANS FOR

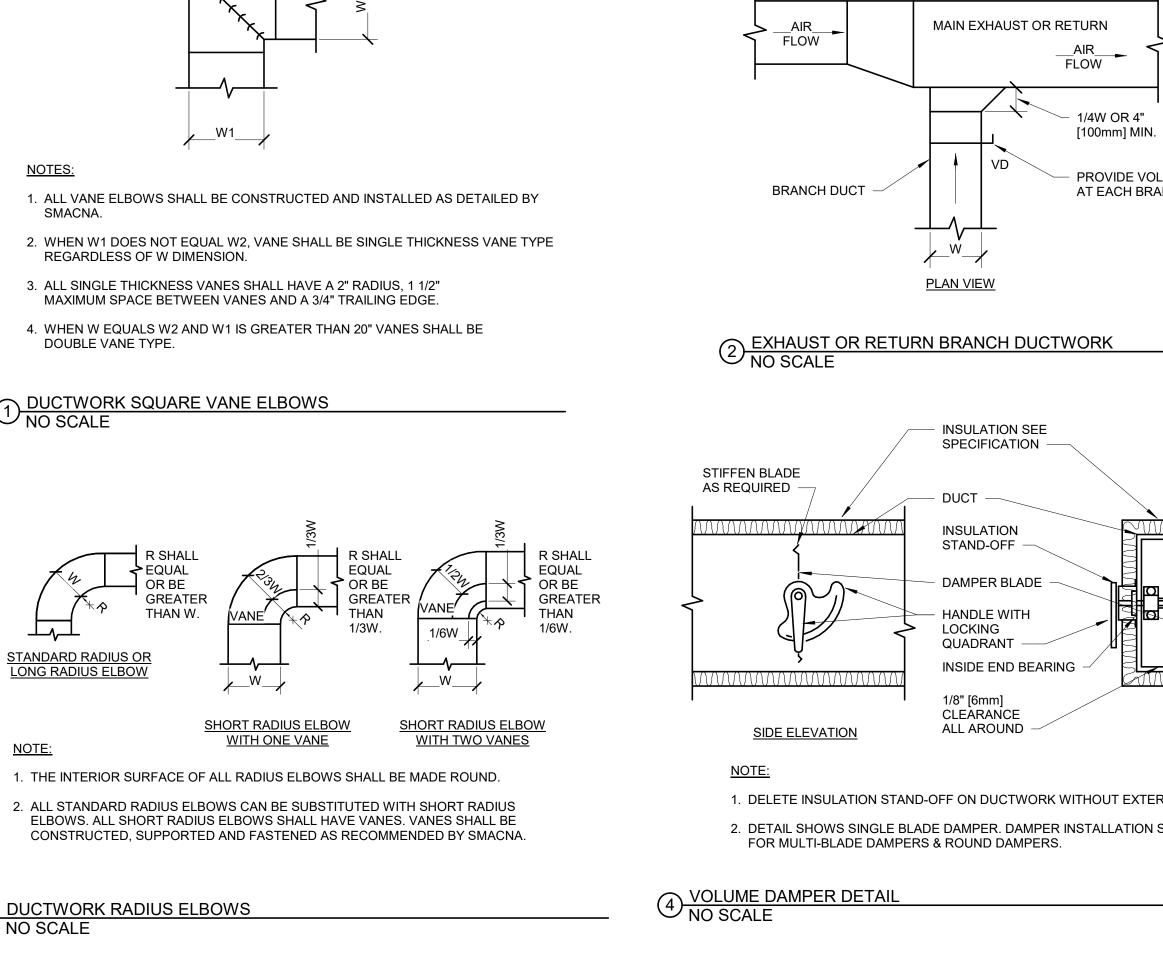
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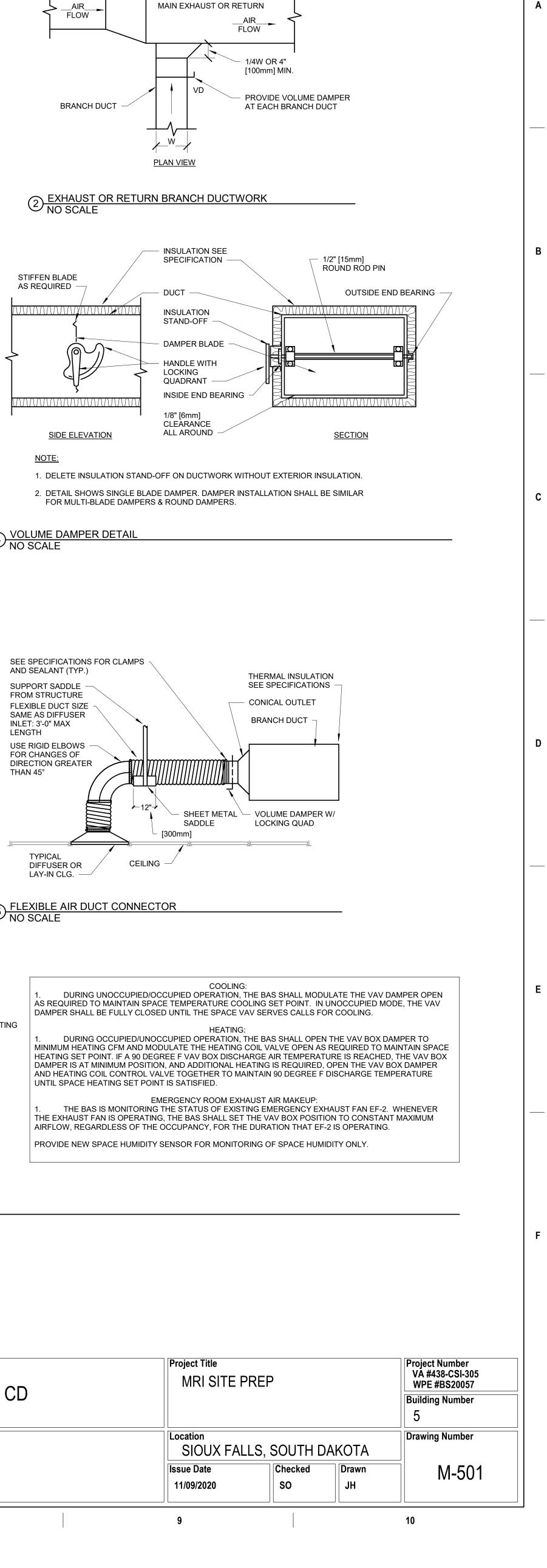








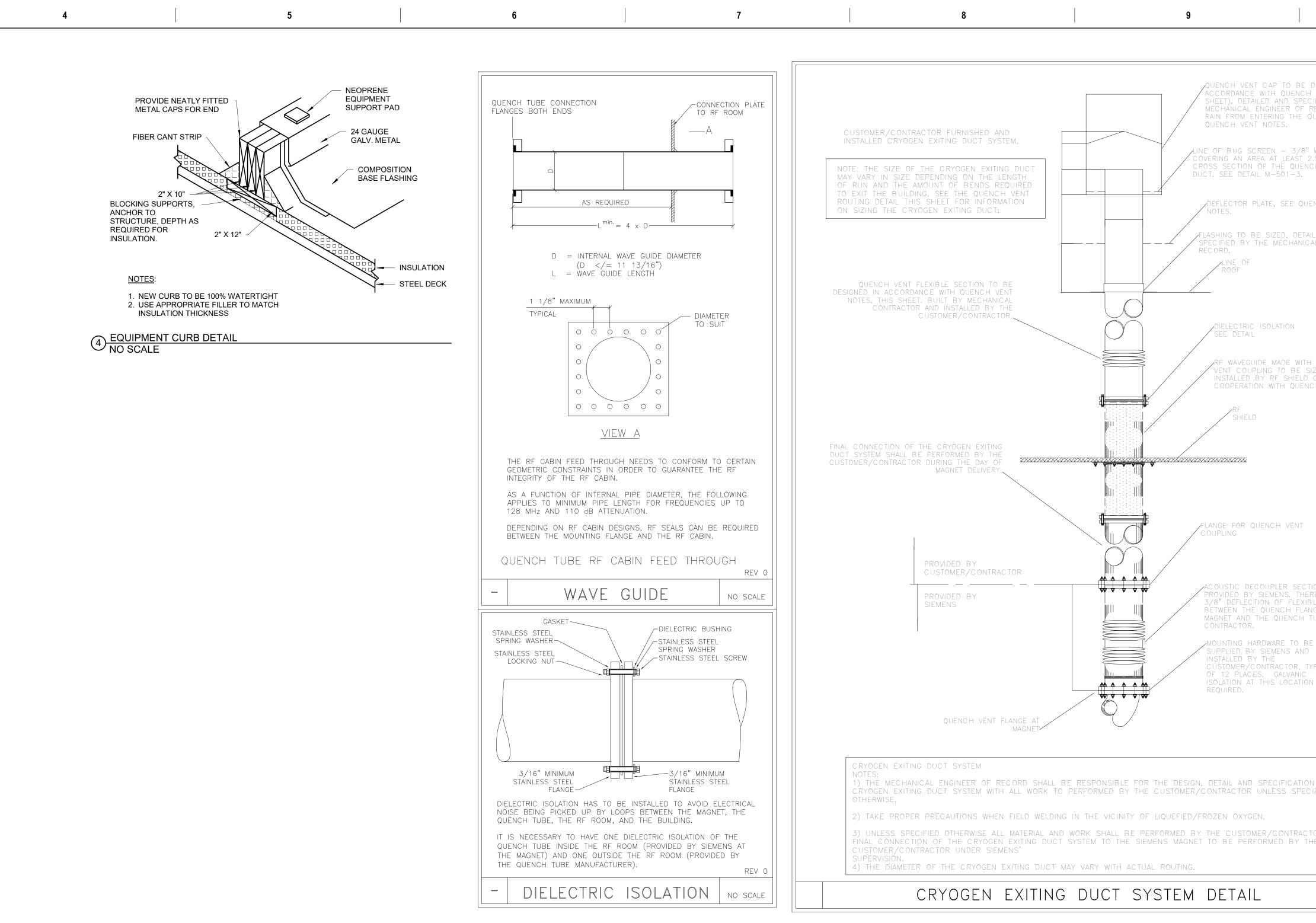






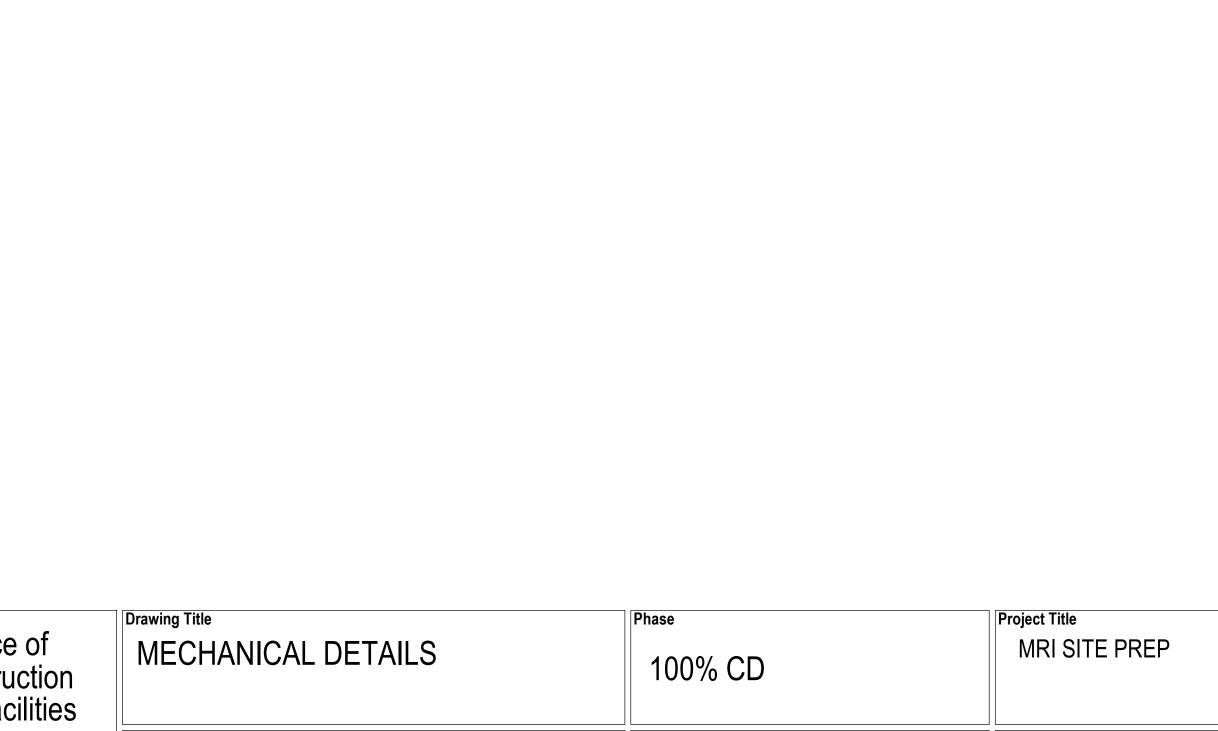
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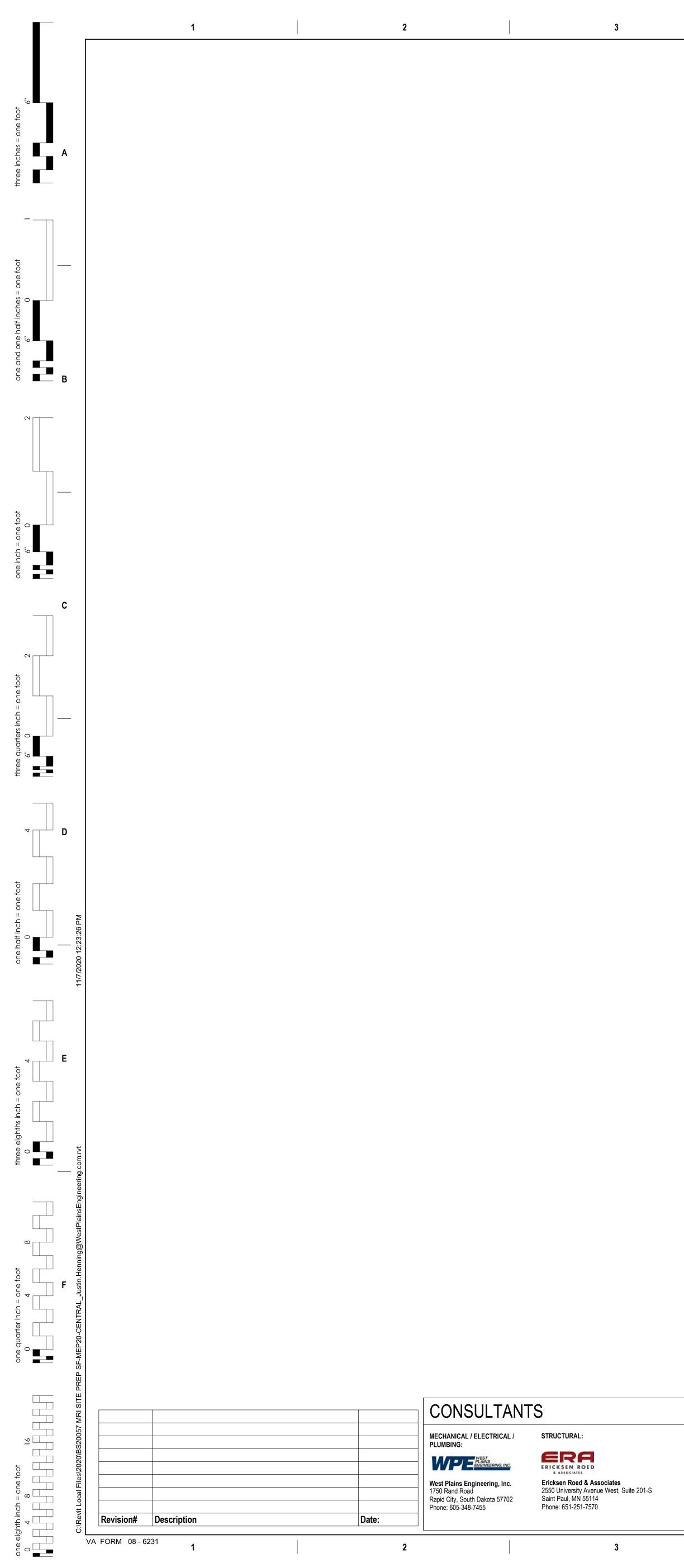


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ction at magnet
TH FLANGES FOR QUENCH SIZED, FABRICATED AND D CONTRACTOR IN NCH VENT MANUFACTURER.
AILED AND CAL ENGINEER OF
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UNIT	UNIT			NC	MINAL SIZE		TH	ROAT SIZE					
TYPE	NUMBER	MANUFACTURER	MODEL	WIDTH	LENGTH	DIA.	WIDTH	LENGTH	DIA.	MAX CFM	S.P.D.	NC	FRAME
Е	1	KRUEGER	EGC5	12"	24"		10"	22"		500	0.02 in-wg	15	LAY-IN
Е	2	KRUEGER	S580	8"	10"		6"	8"		150	0.07 in-wg	17	SURFACE
S	1	KRUEGER	51400	24"	24"				6"	100	0.03 in-wg	15	LAY-IN
S	2	KRUEGER	51400	24"	24"				10"	325	0.07 in-wg	17	LAY-IN
S	3	KRUEGER	51400	24"	24"				8"	220	0.06 in-wg	15	LAY-IN

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1 ALUMINUM LOUVERED DIFFUSER.

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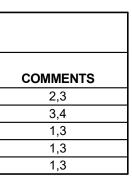
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1/2"X1/2"X1/2" ALUMINUM EGGCRATE GRILLE.
 PROVIDE FACTORY WHITE COLOR.
 SINGLE DEFLECTION ALUMINUM REGISTER, 3/4" BLADE SPACING, 30 DEGREE DEFLECTION.

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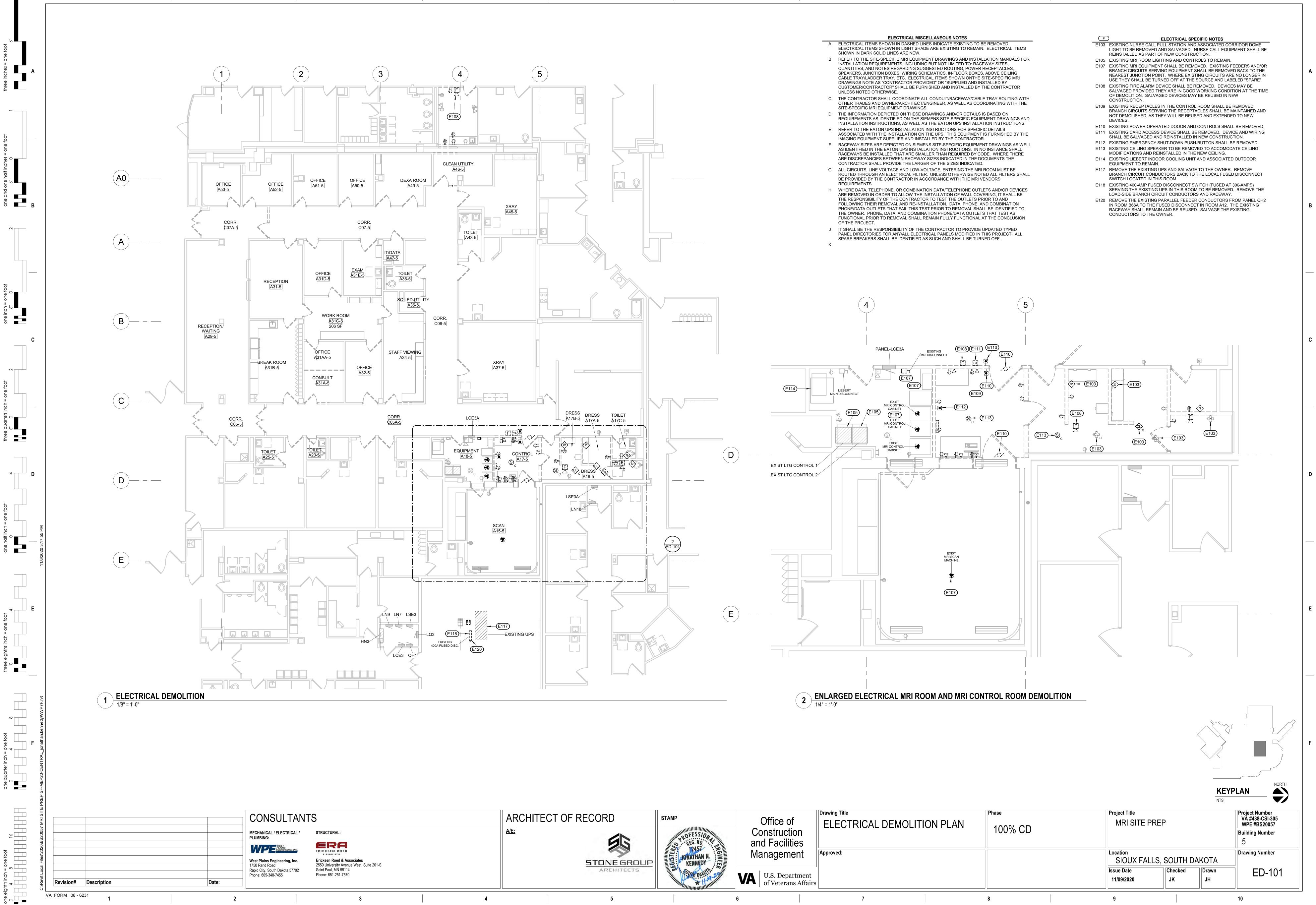
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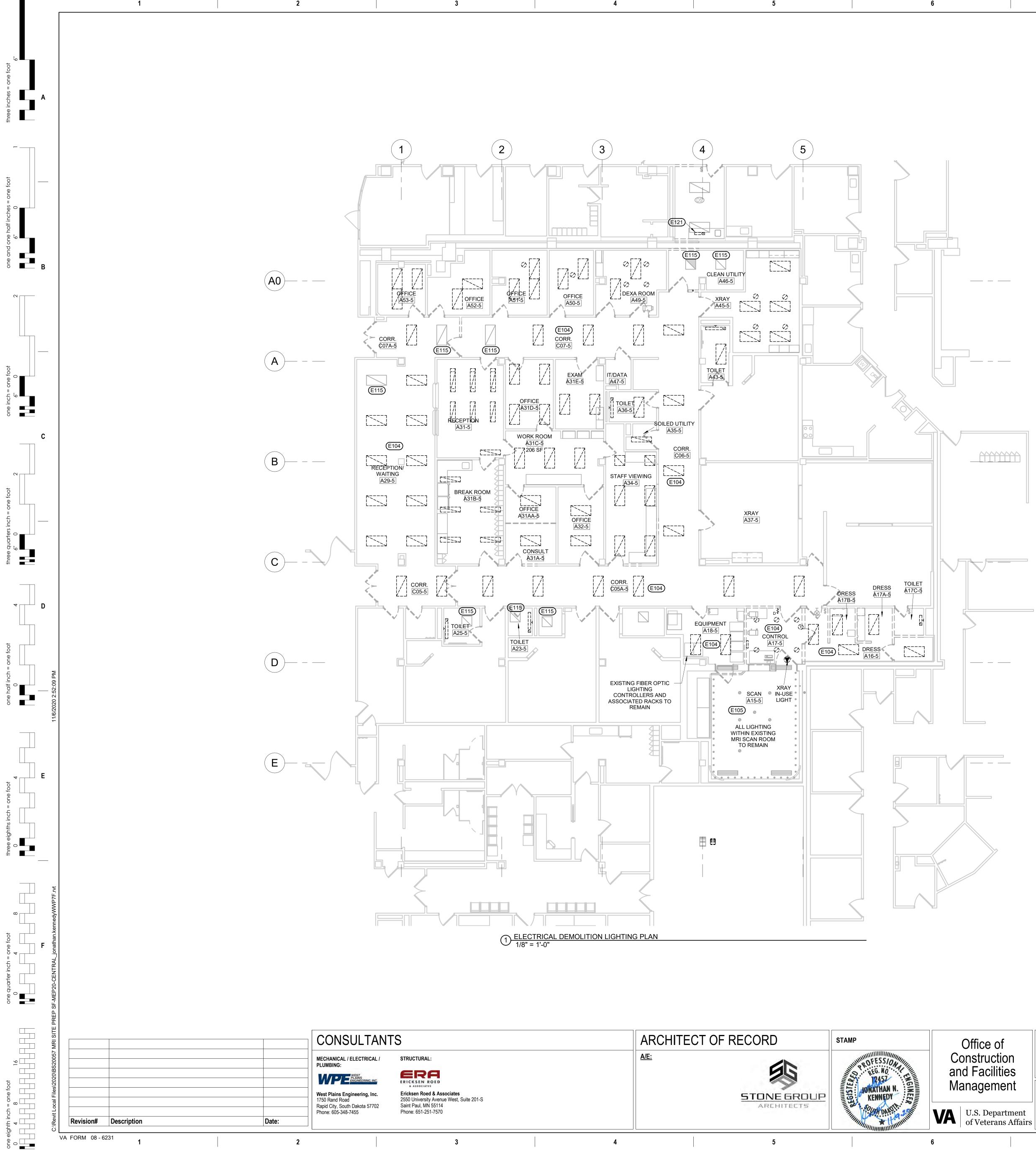
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	ELECTRICAL MISCELLANEOUS NOTES	#	ELECTRICAL
A	ELECTRICAL ITEMS SHOWN IN DASHED LINES INDICATE EXISTING TO BE REMOVED. ELECTRICAL ITEMS SHOWN IN LIGHT SHADE ARE EXISTING TO REMAIN. ELECTRICAL ITEMS SHOWN IN DARK SOLID LINES ARE NEW.	E103	EXISTING NURSE CALL PULL STATION LIGHT TO BE REMOVED AND SALVAGE REINSTALLED AS PART OF NEW CONS
3	REFER TO THE SITE-SPECIFIC MRI EQUIPMENT DRAWINGS AND INSTALLATION MANUALS FOR INSTALLATION REQUIREMENTS, INCLUDING BUT NOT LIMITED TO: RACEWAY SIZES, QUANTITIES, AND NOTES REGARDING SUGGESTED ROUTING, POWER RECEPTACLES, SPEAKERS, JUNCTION BOXES, WIRING SCHEMATICS, IN-FLOOR BOXES, ABOVE CEILING CABLE TRAY/LADDER TRAY, ETC. ELECTRICAL ITEMS SHOWN ONTHE SITE-SPECIFIC MRI DRAWINGS NOTE AS "CONTRACTOR PROVIDED" OR "SUPPLIED AND INSTALLED BY		EXISTING MRI ROOM LIGHTING AND C EXISTING MRI EQUIPMENT SHALL BE BRANCH CIRCUITS SERVING EQUIPMI NEAREST JUNCTION POINT. WHERE USE THEY SHALL BE TURNED OFF AT
	CUSTOMER/CONTRACTOR" SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS NOTED OTHERWISE.	E108	EXISTING FIRE ALARM DEVICE SHALL SALVAGED PROVIDED THEY ARE IN G OF DEMOLITION. SALVAGED DEVICES
С	THE CONTRACTOR SHALL COORDINATE ALL CONDUIT/RACEWAY/CABLE TRAY ROUTING WITH OTHER TRADES AND OWNER/ARCHITECT/ENGINEER, AS WELL AS COORDINATING WITH THE SITE-SPECIFIC MRI EQUIPMENT DRAWINGS.	E109	CONSTRUCTION. EXISTING RECEPTACLES IN THE CON
D	THE INFORMATION DEPICTED ON THESE DRAWINGS AND/OR DETAILS IS BASED ON REQUIREMENTS AS IDENTIFIED ON THE SIEMENS SITE-SPECIFIC EQUIPMENT DRAWINGS AND INSTALLATION INSTRUCTIONS, AS WELL AS THE EATON UPS INSTALLATION INSTRUCTIONS.		BRANCH CIRCUITS SERVING THE REC NOT DEMOLISHED, AS THEY WILL BE DEVICES.
Е	REFER TO THE EATON UPS INSTALLATION INSTRUCTIONS FOR SPECIFIC DETAILS		EXISTING POWER OPERATED DOOOR
L	ASSOCIATED WITH THE INSTALLATION ON THE UPS. THIS EQUIPMENT IS FURNISHED BY THE IMAGING EQUIPMENT SUPPLIER AND INSTALLED BY THE CONTRACTOR.	E111	EXISTING CARD ACCESS DEVICE SHA SHALL BE SALVAGED AND REINSTALL
F	RACEWAY SIZES ARE DEPICTED ON SIEMENS SITE-SPECIFIC EQUIPMENT DRAWINGS AS WELL		EXISTING EMERGENCY SHUT-DOWN
	AS IDENTIFIED IN THE EATON UPS INSTALLATION INSTRUCTIONS. IN NO INSTANCE SHALL RACEWAYS BE INSTALLED THAT ARE SMALLER THAN REQUIRED BY CODE. WHERE THERE		EXISTING CEILING SPEAKER TO BE RI MODIFICATIONS AND REINSTALLED IN
	ARE DISCREPANCIES BETWEEN RACEWAY SIZES INDICATED IN THE DOCUMENTS THE CONTRACTOR SHALL PROVIDE THE LARGER OF THE SIZES INDICATED.	E114	EXISTING LIEBERT INDOOR COOLING EQUIPMENT TO REMAIN.
G	ALL CIRCUITS, LINE VOLTAGE AND LOW-VOLTAGE, ENTERING THE MRI ROOM MUST BE ROUTED THROUGH AN ELECTRICAL FILTER. UNLESS OTHERWISE NOTED ALL FILTERS SHALL BE PROVIDED BY THE CONTRACTOR IN ACCORDANCE WITH THE MRI VENDORS	E117	REMOVE THE EXISTING UPS AND SAL BRANCH CIRCUIT CONDUCTORS BAC SWITCH LOCATED IN THIS ROOM.
н	REQUIREMENTS. WHERE DATA, TELEPHONE, OR COMBINATION DATA/TELEPHONE OUTLETS AND/OR DEVICES ARE REMOVED IN ORDER TO ALLOW THE INSTALLATION OF WALL COVERING, IT SHALL BE	E118	EXISTING 400-AMP FUSED DISCONNE SERVING THE EXISTING UPS IN THIS I LOAD-SIDE BRANCH CIRCUIT CONDUC
	THE RESPONSIBILITY OF THE CONTRACTOR TO TEST THE OUTLETS PRIOR TO AND FOLLOWING THEIR REMOVAL AND RE-INSTALLATION. DATA, PHONE, AND COMBINATION PHONE/DATA OUTLETS THAT FAIL THIS TEST PRIOR TO REMOVAL SHALL BE IDENTIFIED TO THE OWNER. PHONE, DATA, AND COMBINATION PHONE/DATA OUTLETS THAT TEST AS FUNCTIONAL PRIOR TO REMOVAL SHALL DEMONSTRATE FUNCTIONAL AT THE CONCLUSION	E120	REMOVE THE EXISTING PARALLEL FE IN ROOM B66A TO THE FUSED DISCON RACEWAY SHALL REMAIN AND BE RE CONDUCTORS TO THE OWNER.

e of uction cilities	Drawing Title ELECTRICAL DEMOLITION PLAN	Phase 100% CD		Project Title MRI SITE PREP	
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f on	Drawing Title ELECTRICAL DEMOLITION LIGHTING PLAN	Phase 100% CD	Project Title MRI SITE PREP
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ELECTRICAL SPECIFIC NOTES E104 EXISTING LIGHTING IN ROOM/SPACE SHALL BE REMOVED AND REPLACED. MAINTAIN EXISTING BRANCH CIRCUIT(S) AND SWITCHING. E105 EXISTING MRI ROOM LIGHTING AND CONTROLS TO REMAIN. E115 EXISTING LED LIGHT FIXTURE TO REMOVED TO ACCOMMODATE CEILING REPLACEMENT, AND SHALL BE REINSTALLED IN THE SAME LOCATION. E121 REMOVE AND SALVAGE EXISTING UNDERCABINET LIGHT FIXTURE. REINSTALL IN NEW CASEWORK LOCATION.

SHOWN IN DARK SOLID LINES ARE NEW. DRAWINGS NOTE AS "CONTRACTOR PROVIDED" OR "SUPPLIED AND INSTALLED BY UNLESS NOTED OTHERWISE.

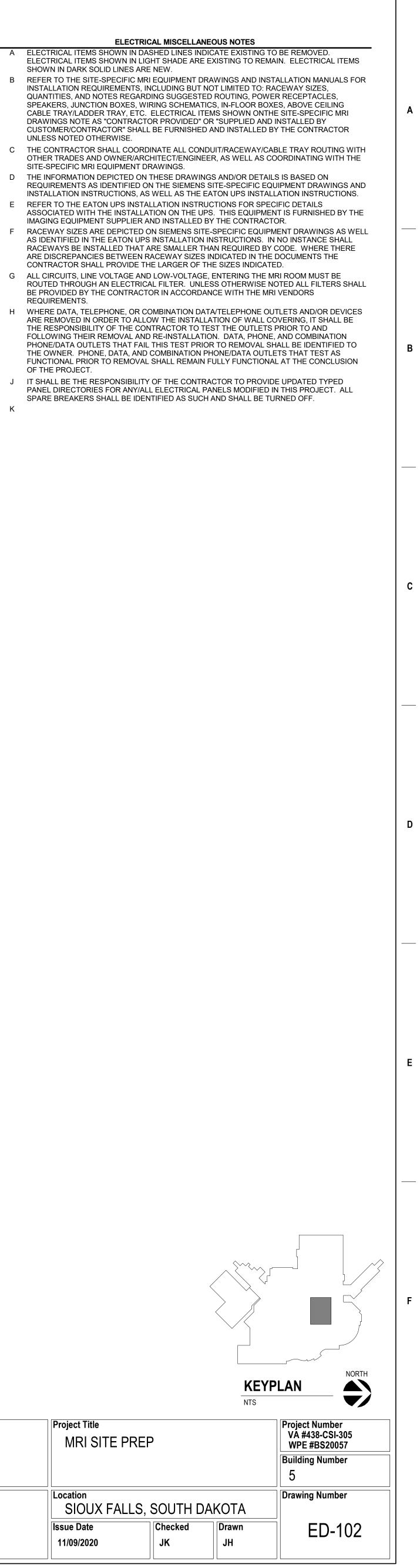
- SITE-SPECIFIC MRI EQUIPMENT DRAWINGS. D THE INFORMATION DEPICTED ON THESE DRAWINGS AND/OR DETAILS IS BASED ON
- E REFER TO THE EATON UPS INSTALLATION INSTRUCTIONS FOR SPECIFIC DETAILS
- IMAGING EQUIPMENT SUPPLIER AND INSTALLED BY THE CONTRACTOR.
- CONTRACTOR SHALL PROVIDE THE LARGER OF THE SIZES INDICATED.
- G ALL CIRCUITS, LINE VOLTAGE AND LOW-VOLTAGE, ENTERING THE MRI ROOM MUST BE BE PROVIDED BY THE CONTRACTOR IN ACCORDANCE WITH THE MRI VENDORS REQUIREMENTS.
- THE RESPONSIBILITY OF THE CONTRACTOR TO TEST THE OUTLETS PRIOR TO AND OF THE PROJECT.
- SPARE BREAKERS SHALL BE IDENTIFIED AS SUCH AND SHALL BE TURNED OFF.

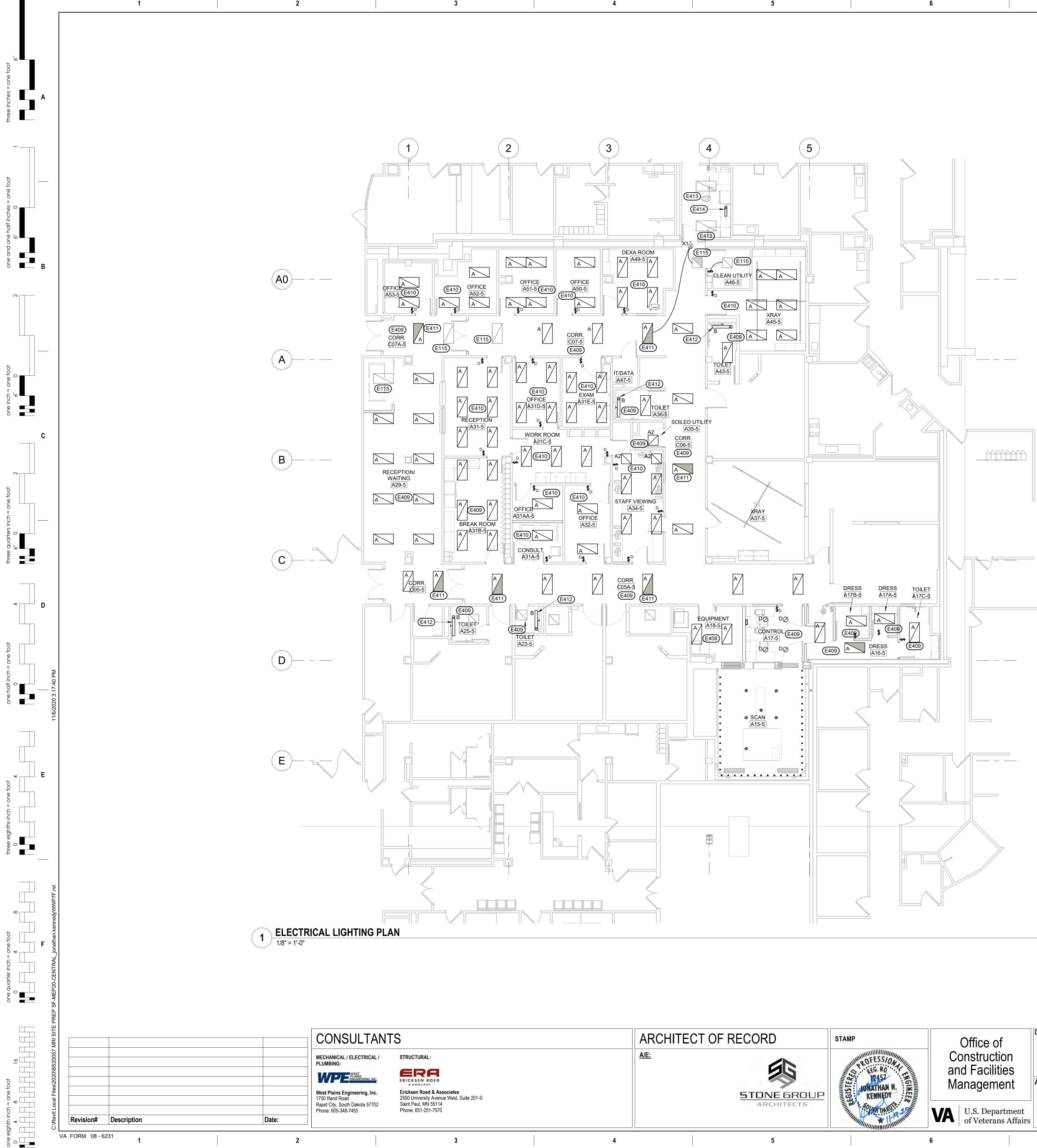
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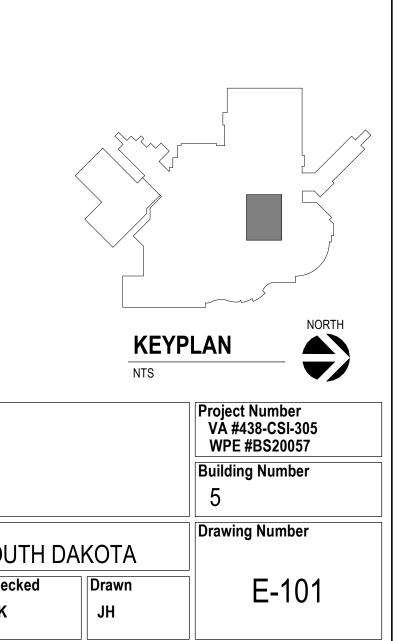
(#) ELECTRICAL SPECIFIC NOTES E115 EXISTING LED LIGHT FIXTURE TO REMOVED TO ACCOMMODATE CEILING REPLACEMENT, AND SHALL BE REINSTALLED IN THE SAME LOCATION. E409 CONNECT NEW LIGHT FIXTURE TO THE EXISTING BRANCH CIRCUIT AND SWITCH LEG PREVIOUSLY SERVING LIGHTING IN THIS ROOM/SPACE. в E410 CONNECT NEW LIGHT FIXTURE TO EXISTING BRANCH CIRCUIT PREVIOUSLY SERVING THE LIGHTING IN THIS ROOM. PROVIDE A NEW DIMMER SWITCH LISTED AS COMPATIBLE WITH EXISTING FIXTURES. FIXTURES SHALL DIM TO 1%. E411 NEW LIGHT FIXTURES DENOTED WITH HATCHING ARE INTENDED TO BE EMERGENCY EGRESS LIGHT FIXTURES, AND SHALL BE CONNECTED TO THE LIFE SAFETY CIRCUIT SERVING EMERGENCY EGRESS LIGHTING IN THIS ROOM/AREA. E412 INSTALL NEW WALL-MOUNTED LIGHT FIXTURE AT THE SAME ELEVATION AS THE WALL-MOUNTED LIGHT FIXTURE REMOVED FROM THIS LOCATION.

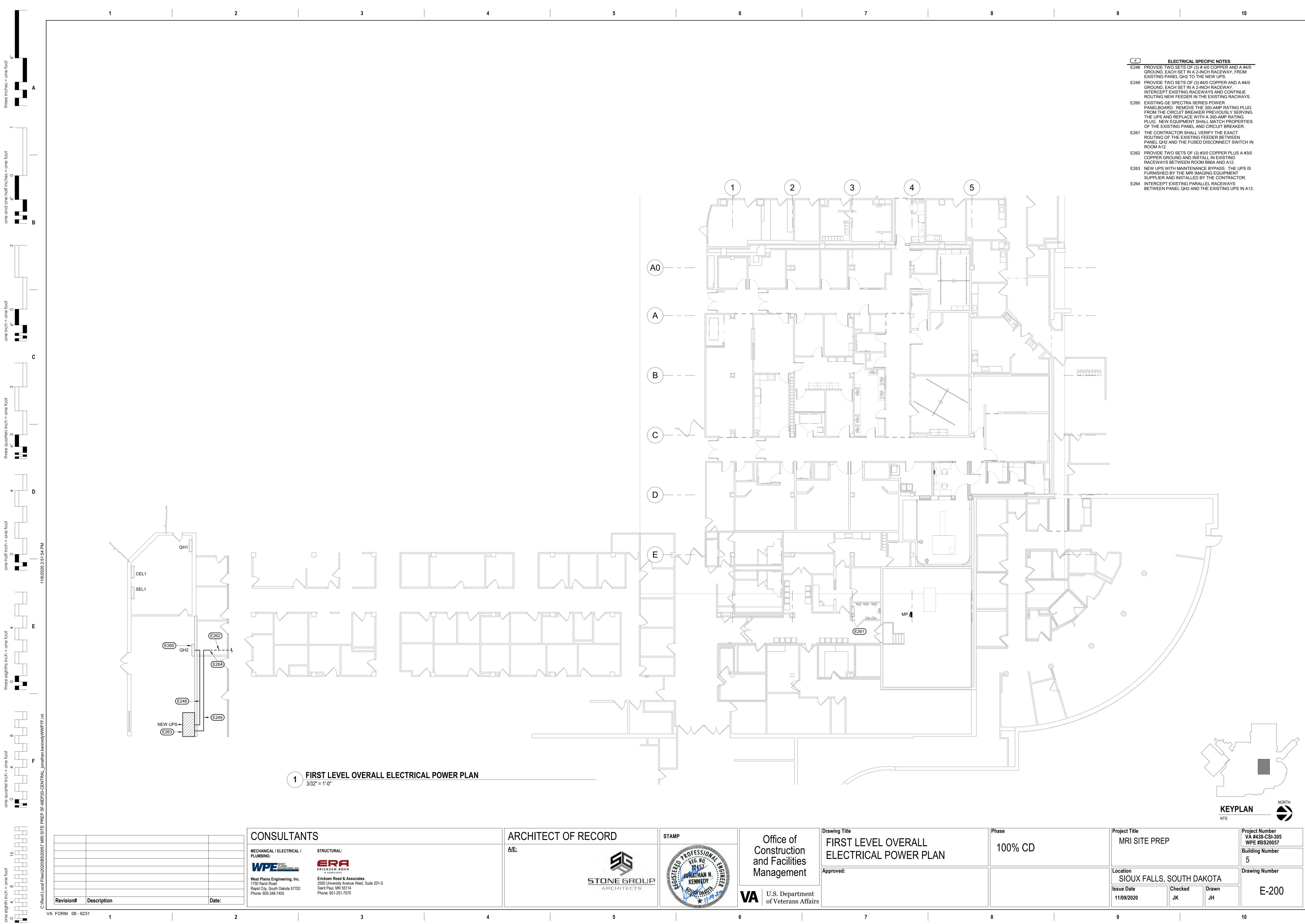
- E413 CONNECT EXISTING LIGHT FIXTURE TO THE LIFE SAFETY EMERGENCY CIRCUIT SERVING OTHER LIFE SAFETY LIGHT FIXTURES IN THIS AREA. PROVIDE A BODINE GTD DEVICE TO ALLOW LOCAL SWITCHING TO REMAIN AND TO ALSO ALLOW THE LIGHT FIXTURE TO AUTOMATICALLY BYPASS THE SWITCH AND RUN AT 100% OUTPUT UPON THE LOSS OF NORMAL POWER.
- E414 REINSTALL EXISTING UNDERCABINET LIGHT FIXTURE SALVAGED FROM THIS AREA DURING DEMOLITION. CONNECT TO THE BRANCH CIRCUIT PREVIOUSLY SERVING THE UNDERCABINET LIGHT.

ELECTRICAL MISCELLANEOUS NOTES A ELECTRICAL ITEMS SHOWN IN DASHED LINES INDICATE EXISTING TO BE REMOVED. ELECTRICAL ITEMS SHOWN IN LIGHT SHADE ARE EXISTING TO REMAIN. ELECTRICAL ITEMS SHOWN IN DARK SOLID LINES ARE NEW.

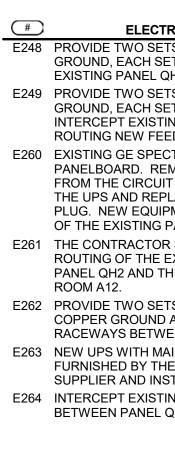
- REFER TO THE SITE-SPECIFIC MRI EQUIPMENT DRAWINGS AND INSTALLATION MANUALS FOR INSTALLATION REQUIREMENTS, INCLUDING BUT NOT LIMITED TO: RACEWAY SIZES, QUANTITIES, AND NOTES REGARDING SUGGESTED ROUTING, POWER RECEPTACLES, SPEAKERS, JUNCTION BOXES, WIRING SCHEMATICS, IN-FLOOR BOXES, ABOVE CEILING CABLE TRAY/LADDER TRAY, ETC. ELECTRICAL ITEMS SHOWN ONTHE SITE-SPECIFIC MRI DRAWINGS NOTE AS "CONTRACTOR PROVIDED" OR "SUPPLIED AND INSTALLED BY CUSTOMER/CONTRACTOR" SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL COORDINATE ALL CONDUIT/RACEWAY/CABLE TRAY ROUTING WITH OTHER TRADES AND OWNER/ARCHITECT/ENGINEER, AS WELL AS COORDINATING WITH THE SITE-SPECIFIC MRI EQUIPMENT DRAWINGS.
- D THE INFORMATION DEPICTED ON THESE DRAWINGS AND/OR DETAILS IS BASED ON REQUIREMENTS AS IDENTIFIED ON THE SIEMENS SITE-SPECIFIC EQUIPMENT DRAWINGS AND INSTALLATION INSTRUCTIONS, AS WELL AS THE EATON UPS INSTALLATION INSTRUCTIONS. REFER TO THE EATON UPS INSTALLATION INSTRUCTIONS FOR SPECIFIC DETAILS Е
- ASSOCIATED WITH THE INSTALLATION ON THE UPS. THIS EQUIPMENT IS FURNISHED BY THE IMAGING EQUIPMENT SUPPLIER AND INSTALLED BY THE CONTRACTOR. F RACEWAY SIZES ARE DEPICTED ON SIEMENS SITE-SPECIFIC EQUIPMENT DRAWINGS AS WELL AS IDENTIFIED IN THE EATON UPS INSTALLATION INSTRUCTIONS. IN NO INSTANCE SHALL
- RACEWAYS BE INSTALLED THAT ARE SMALLER THAN REQUIRED BY CODE. WHERE THERE ARE DISCREPANCIES BETWEEN RACEWAY SIZES INDICATED IN THE DOCUMENTS THE CONTRACTOR SHALL PROVIDE THE LARGER OF THE SIZES INDICATED. G ALL CIRCUITS, LINE VOLTAGE AND LOW-VOLTAGE, ENTERING THE MRI ROOM MUST BE ROUTED THROUGH AN ELECTRICAL FILTER. UNLESS OTHERWISE NOTED ALL FILTERS SHALL BE PROVIDED BY THE CONTRACTOR IN ACCORDANCE WITH THE MRI VENDORS
- REQUIREMENTS. H WHERE DATA, TELEPHONE, OR COMBINATION DATA/TELEPHONE OUTLETS AND/OR DEVICES ARE REMOVED IN ORDER TO ALLOW THE INSTALLATION OF WALL COVERING, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO TEST THE OUTLETS PRIOR TO AND FOLLOWING THEIR REMOVAL AND RE-INSTALLATION. DATA, PHONE, AND COMBINATION PHONE/DATA OUTLETS THAT FAIL THIS TEST PRIOR TO REMOVAL SHALL BE IDENTIFIED TO THE OWNER. PHONE, DATA, AND COMBINATION PHONE/DATA OUTLETS THAT TEST AS FUNCTIONAL PRIOR TO REMOVAL SHALL REMAIN FULLY FUNCTIONAL AT THE CONCLUSION
- OF THE PROJECT. J IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE UPDATED TYPED PANEL DIRECTORIES FOR ANY/ALL ELECTRICAL PANELS MODIFIED IN THIS PROJECT. ALL
- SPARE BREAKERS SHALL BE IDENTIFIED AS SUCH AND SHALL BE TURNED OFF. Κ

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ement	Approved:		Location SIOUX FALLS, S	SOUTH
epartment erans Affairs			Issue Date 11/09/2020	Checked JK
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	ARCHITECT OF RECORD	STAMP	Office
	A/E: STONE GROUP	PROFESSION PROFESSION 12457 JONATHAN N. KENNEDY	Construct and Faci Manager
	ARCHITECTS	SULA DAKOT	VA U.S. De of Veter
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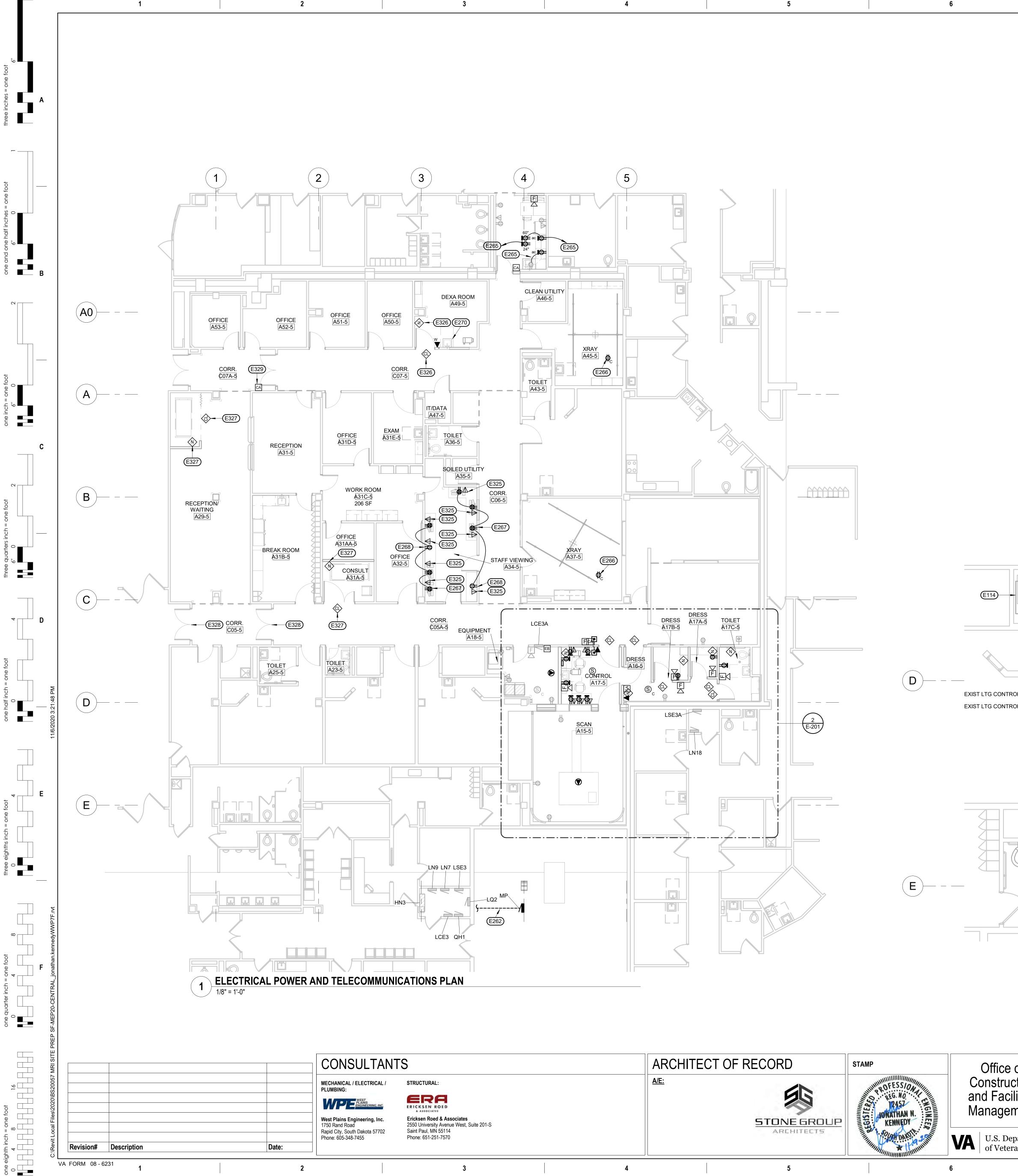


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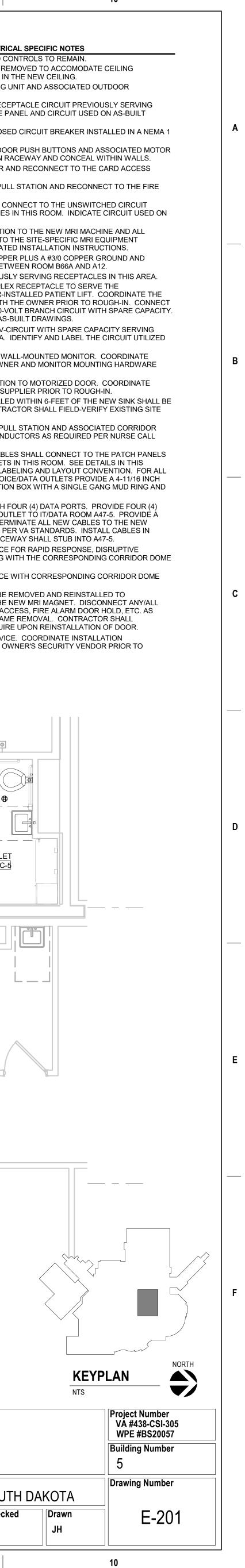
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		 ELECTRICAL ITEM SHOWN IN DARK. REFER TO THE SI INISTALLATION RE OUANTITES, AND SPEAKERS, JUNO CABLE TRAVIAD DRAWINGS NOTED CI OTHER TRAVESSION OF THE SITE SPECIFIC MI THE INFORMATIO THE INFORMATIO REQUIREMENTS J INISTALLATION IN: RACEWAYS BE IN ARACEWAYS AND ARACEWAYS IN ARACEWAYS IN ARACEWAYS IN ARACEWAYS IN AR	OR SHALL COORDINATE ALL CONDUIT/RACEWAY/CAB AND OWNER/ARCHITECT/ENGINEER, AS WELL AS CO RI EQUIPMENT DRAWINGS. IN DEPICTED ON THESE DRAWINGS AND/OR DETAILS AS IDENTIFIED ON THE SIEMENS SITE-SPECIFIC EQU STRUCTIONS, AS WELL AS THE EATON UPS INSTALL ATON UPS INSTALLATION INSTRUCTIONS FOR SPECI I'H THE INSTALLATION ON THE UPS. THIS EQUIPMENT IENT SUPPLIER AND INSTALLED BY THE CONTRACTO ARE DEPICTED ON SIEMENS SITE-SPECIFIC EQUIPMI THE EATON UPS INSTALLATION INSTRUCTIONS. IN I ISTALLED THAT ARE SMALLER THAN REQUIRED BY CO CIES BETWEEN RACEWAY SIZES INDICATED IN THE DI ALL PROVIDE THE LARGER OF THE SIZES INDICATED NE VOLTAGE AND LOW-VOLTAGE, ENTERING THE MR GH AN ELECTRICAL FILTER. UNLESS OTHERWISE NO THE CONTRACTOR IN ACCORDANCE WITH THE MRI SLEPHONE, OR COMBINATION DATA/TELEPHONE OUT I ORDER TO ALLOW THE INSTALLATION OF WALL CO LITY OF THE CONTRACTOR TO TEST THE OUTLETS F IR REMOVAL AND RE-INSTALLATION. DATA, PHONE, J ILETS THAT FAIL THIS TEST PRIOR TO REMOVAL SH/ ONE, DATA, AND COMBINATION PHONE/DATA OUTLE OR TO REMOVAL SHALL REMAIN FULLY FUNCTIONAL	IN. ELECTRICAL ITEMS ALLATION MANUALS FOR CEWAY SIZES, R RECEPTACLES, SS, ABOVE CEILING SITE-SPECIFIC MRI NSTALLED BY THE CONTRACTOR BLE TRAY ROUTING WITH ORDINATING WITH THE SIS BASED ON IPMENT DRAWINGS AND ATION INSTRUCTIONS. IFIC DETAILS T IS FURNISHED BY THE OR. ENT DRAWINGS AS WELL NO INSTANCE SHALL CODE. WHERE THERE DOCUMENTS THE D. RI ROOM MUST BE DTED ALL FILTERS SHALL VENDORS FLETS AND/OR DEVICES IVERING, IT SHALL BE PRIOR TO AND AND COMBINATION ALL BE IDENTIFIED TO ITS THAT TEST AS . AT THE CONCLUSION E UPDATED TYPED I THIS PROJECT. ALL	 ELECTRICAL SPECIFIC EXISTING MRI ROOM LIGHTING AND CONTROLS TO E113 EXISTING CEILING SPEAKER TO BE REMOVED TO A MODIFICATIONS AND REINSTALLED IN THE NEW CE E114 EXISTING LIEBERT INDOOR COOLING UNIT AND ASS EQUIPMENT TO REMAIN. E246 CONNECT TO THE UNSWITCHED RECEPTACLE CIRC RECEPTACLES IN THIS AREA. NOTE PANEL AND CIR DRAWINGS. E252 PROVIDE A 125-AMP, 3-POLE ENCLOSED CIRCUIT BI ENCLOSURE. E253 REINSTALL EXISTING MOTORIZED DOOR PUSH BUT OPERATOR. INSTALL ALL WIRING IN RACEWAY AND SYSTEM. E256 REINSTALL EXISTING FIRE ALARM PULL STATION AT ALARM SYSTEM. E257 REINSTALL EXISTING FIRE ALARM PULL STATION AT ALARM SYSTEM. E258 PROVIDE A NEW RECEPTACLE AND CONNECT TO TH PREVIOUSLY SERVING RECEPTACLES IN THIS ROOT THE AS-BUILT DRAWINGS. E259 PROVIDE A NEW RECEPTACLE AND CONNECT TO TH PREVIOUSLY SERVING RECEPTACLES IN THIS ROOT THE AS-BUILT DRAWINGS. E259 PROVIDE AN ELECTRICAL CONNECTION TO THE NE ASSOCIATED EQUIPMENT. REFER TO THE SITE.SPI VENDORS DRAWINGS AND ASSOCIATED INSTALLING E262 PROVIDE TWO SETS OF (3) #30 COPPER PLUS A #3 INSTALL IN EXISTING FRACEWAYS BETWEEN ROOM E263 CONNECT TO THE CIRCUIT PREVIOUSLY SERVING FE E266 PROVIDE A CEILING-MOUNTED DUPLEX RECEPTACLES ONNECT TO THE CIRCUIT DUPLEX RECEPTACLES ONTRACTOR-INSTALLED PAY EXACT RECEPTACLES LOCATION WITH THE OWNER TO THE NEAREST UNSWITCHED 120-VOLT BRANCH LABEL THE CIRCUIT USED ON THE AS-BUILT DRAWINGS. E260 PROVIDE AN ELECTRICAL CONNECTION TO MOTOR REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOL ON THE AS-BUILT DRAWINGS. E261 PROVIDE AN ELECTRICAL CONNECTION TO MOTOR REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOL ONT THE AS-BUILT DRAWINGS. E262 PROVIDE AN ELECTRICAL CONNECTION TO MOTOR REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOL ONT A AS-BUILT DRAWINGS. E263 PROVIDE ANEW DATA OUTLET. CABLES SHALL CO PREVIDED AN ELECTRICAL CONNECTION TO MOT
			(E257) (E256) (E255) (E326)		ROUGH-IN.
	D – –	E105 E105	_ (E326) CORR.		
	(E)				

2 ENLARGED ELECTRICAL MRI ROOM AND MRI CONTROL ROOM 1/4" = 1'-0"

e of iction cilities	Drawing Title ELECTRICAL POWE TELECOMMUNICAT	Phase 100%	CD	Project Title MRI SITE F	PREP
ement	Approved:			Location SIOUX FAL	LS, SOUTH
epartment erans Affairs				Issue Date 11/09/2020	Checked JK
	7	8		9	



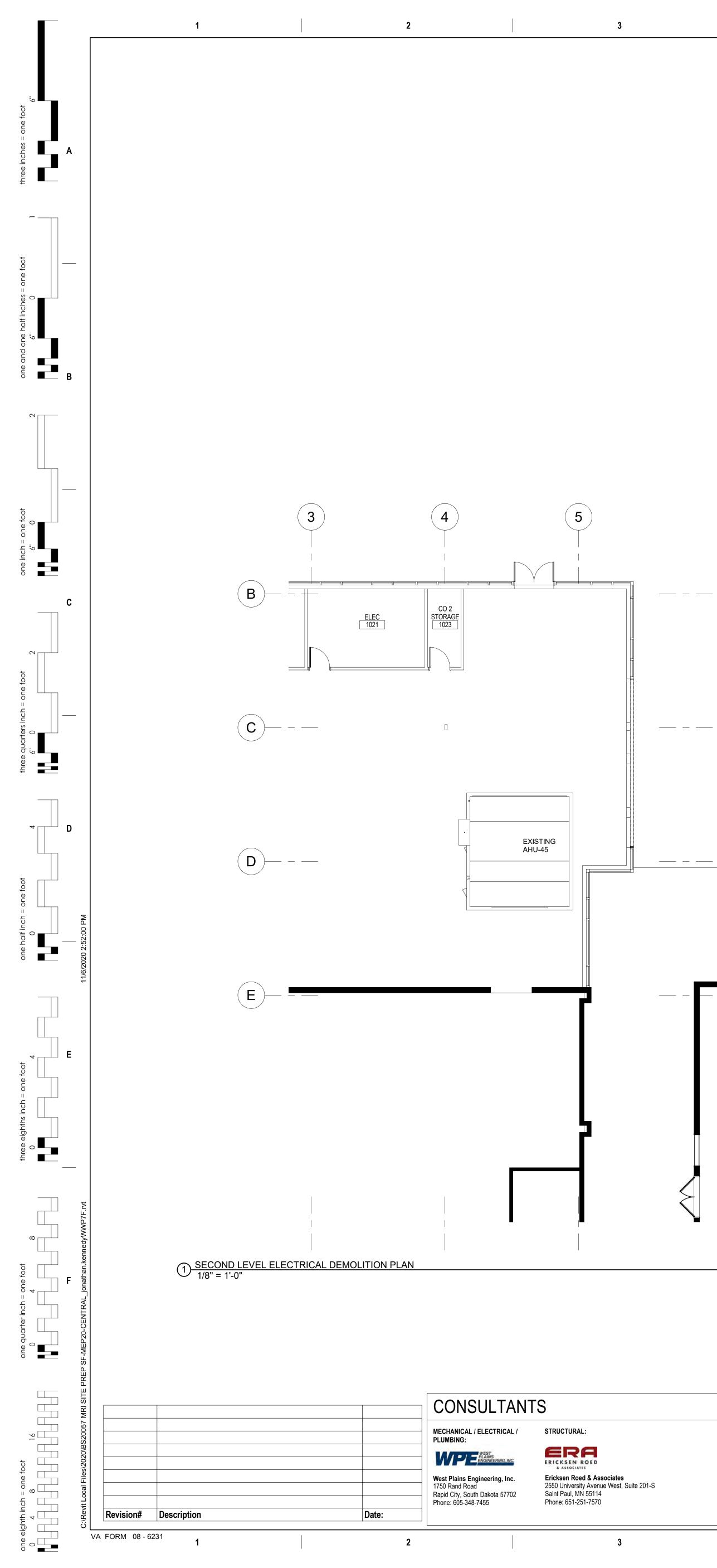


Image: Second level electrical plan Image: Second level electrical plan Image: Second level electrical plan		
A/E: Construction and Facilities Management Approved: Construction Approved: Construction Approved:	Phase 100% CD	Project Title MRI SITE PREP Location SIOUX FALLS, SOU

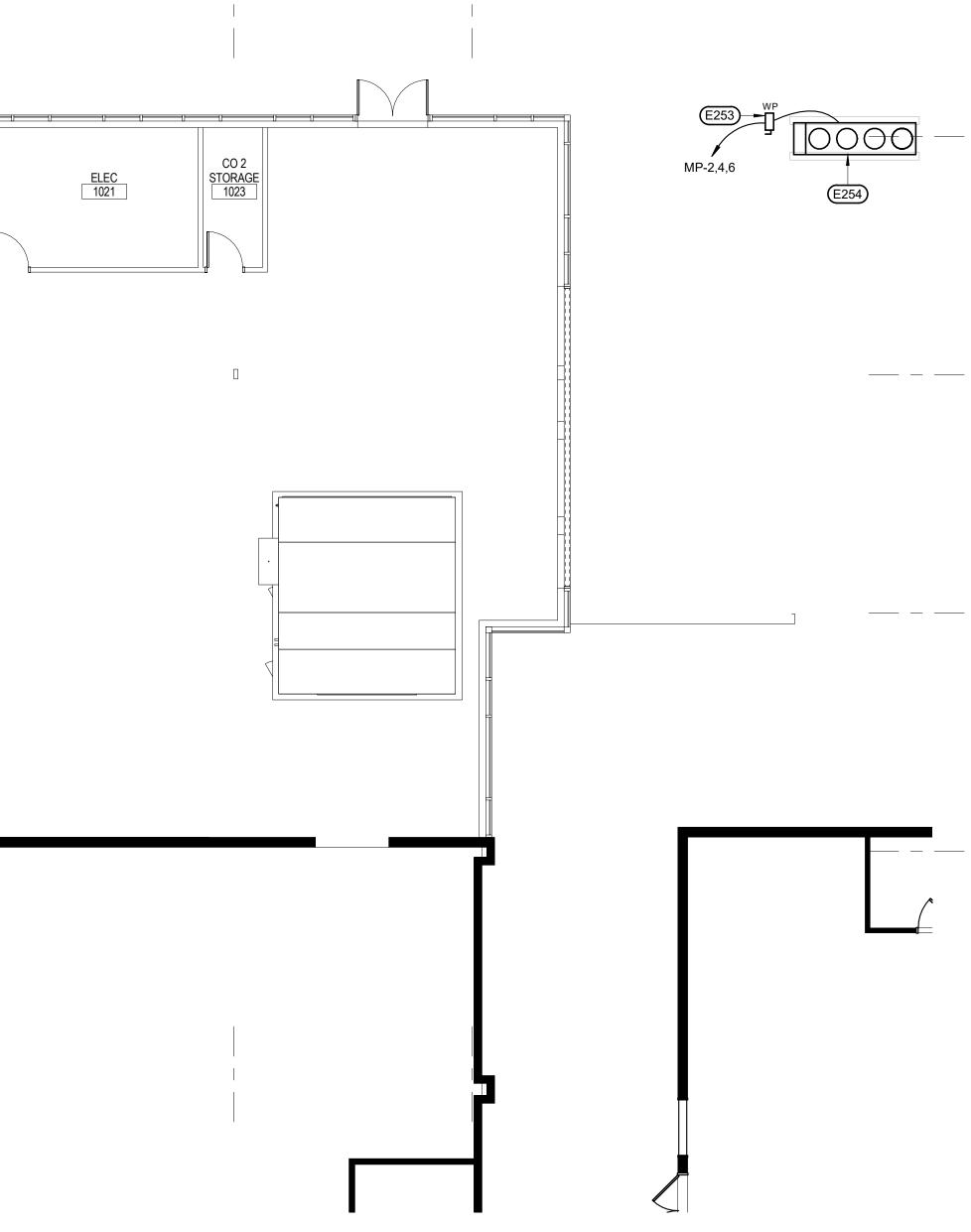
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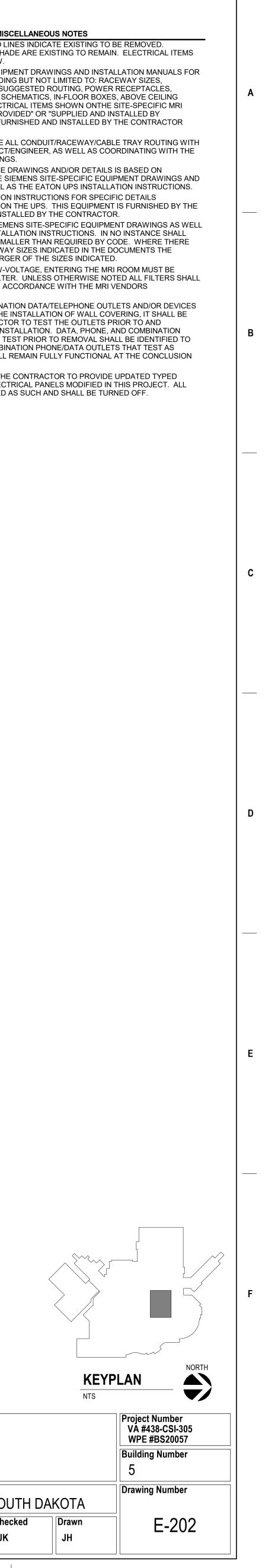
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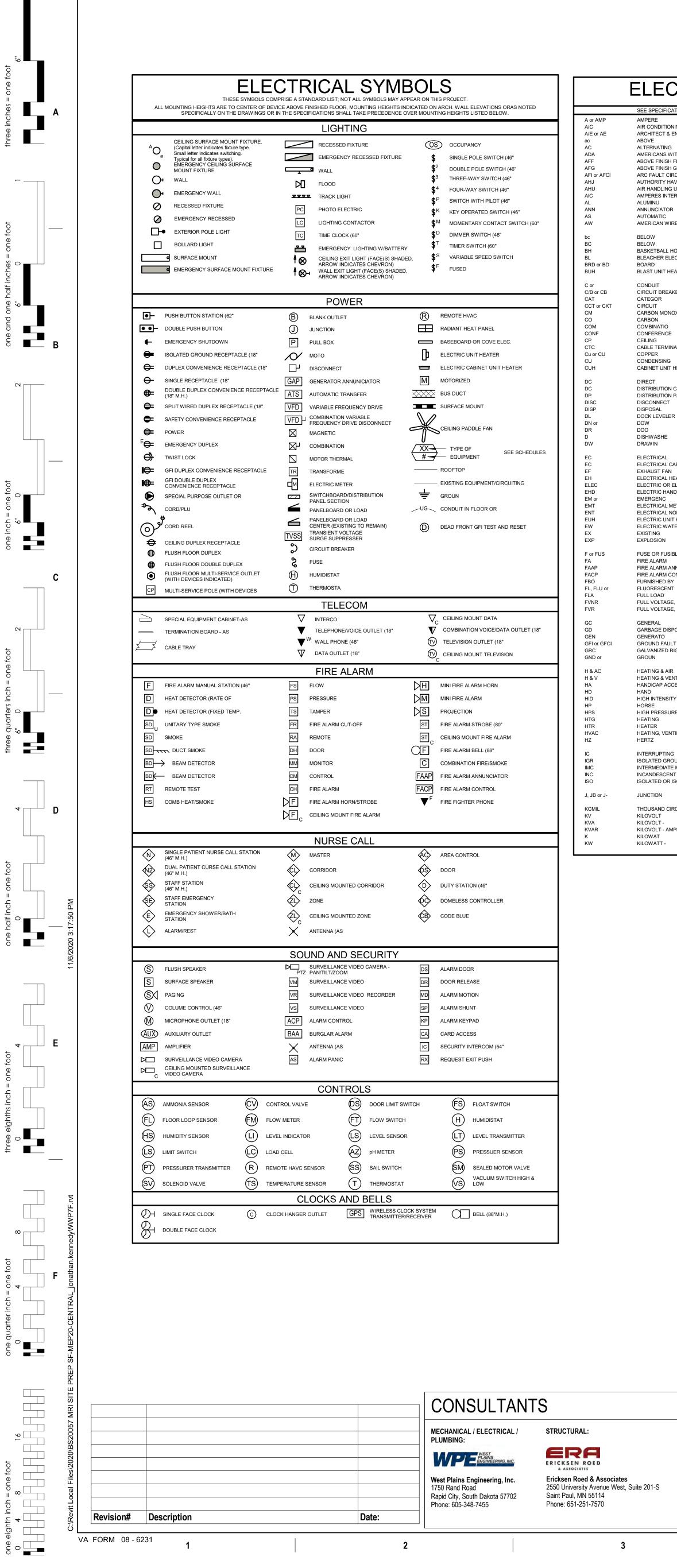
ELEC 1021

STORAGE 1022

(#) ELECTRICAL SP	PECIFIC NOTES	ELECTRICAL MISC
E119 EXISTING ROOF-MOUNTED MRI REMOTE CHI POWER AND REMOVE BRANCH CIRCUIT CON JUNCTION POINT. PATCH ANY UNUSED ROO	ILLERS TO BE REMOVED. DISCONNECT A NDUCTORS BACK TO THE NEAREST	ELECTRICAL ITEMS SHOWN IN DASHED LIN ELECTRICAL ITEMS SHOWN IN LIGHT SHAD SHOWN IN DARK SOLID LINES ARE NEW.
 E253 PROVIDE A 100-AMP, 3-POLE HEAVY-DUTY N A NEMA 3R ENCLOSURE. E254 PROVIDE AN ELECTRICAL CONNECTION TO TO 	ON-FUSED DISCONNECT INSTALLED IN B	REFER TO THE SITE-SPECIFIC MRI EQUIPMI INSTALLATION REQUIREMENTS, INCLUDING QUANTITIES, AND NOTES REGARDING SUG SPEAKERS, JUNCTION BOXES, WIRING SCH CABLE TRAY/LADDER TRAY, ETC. ELECTRI DRAWINGS NOTE AS "CONTRACTOR PROVI CUSTOMER/CONTRACTOR" SHALL BE FURM UNLESS NOTED OTHERWISE.
	C	THE CONTRACTOR SHALL COORDINATE AL OTHER TRADES AND OWNER/ARCHITECT/E SITE-SPECIFIC MRI EQUIPMENT DRAWINGS
	D	THE INFORMATION DEPICTED ON THESE DI REQUIREMENTS AS IDENTIFIED ON THE SIE INSTALLATION INSTRUCTIONS, AS WELL AS
	E	REFER TO THE EATON UPS INSTALLATION ASSOCIATED WITH THE INSTALLATION ON IMAGING EQUIPMENT SUPPLIER AND INSTA
	F	RACEWAY SIZES ARE DEPICTED ON SIEME AS IDENTIFIED IN THE EATON UPS INSTALL RACEWAYS BE INSTALLED THAT ARE SMAL ARE DISCREPANCIES BETWEEN RACEWAY CONTRACTOR SHALL PROVIDE THE LARGE
	G	ALL CIRCUITS, LINE VOLTAGE AND LOW-VO ROUTED THROUGH AN ELECTRICAL FILTER BE PROVIDED BY THE CONTRACTOR IN ACC REQUIREMENTS.
	Н	WHERE DATA, TELEPHONE, OR COMBINATI ARE REMOVED IN ORDER TO ALLOW THE IN THE RESPONSIBILITY OF THE CONTRACTO FOLLOWING THEIR REMOVAL AND RE-INST PHONE/DATA OUTLETS THAT FAIL THIS TES THE OWNER. PHONE, DATA, AND COMBINA FUNCTIONAL PRIOR TO REMOVAL SHALL R OF THE PROJECT.
	J	IT SHALL BE THE RESPONSIBILITY OF THE (PANEL DIRECTORIES FOR ANY/ALL ELECTR SPARE BREAKERS SHALL BE IDENTIFIED AS







2

3

	A STANDARD LIST. NOT ALL WORDS APPEAR IN THESE DRAWINGS.				
ATION SECTION "EQUIPMENT WIRING					
NING	LA LT	LIGHTNING LIGHT			
ENGINEER	LTG	LIGHTING			
	LTS	LIGHTS			
VITH DISABILITIES ACT	MC	MECHANICAL			
I FLOOR I GRADE	MCB MC	MAIN CIRCUIT BREAKER MOTOR CONTROL			
RCUIT	MC	THOUSAND CIRCULAR			
AVING	MDP	MAIN DISTRIBUTION PANEL			
	MECH MFS				
ERRUPTING	MH	MAIN FUSIBLE METAL HALIDE			
२	ML	MAIN LUG			
	MSB	MAIN			
RE	MT MTS	MOUNTE MOTOR THERMAL			
	MV	MERCURY			
	М	MICROWAV			
HOOP OPER ECTRIC OPERATOR	NA or N/A	NOT APPLICABLE			
	NC	NORMALLY			
EATER	NEC	NATIONAL ELECTRICAL CODE			
	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATIO			
AKER	NEU, NEUT or	NEUTRAL			
	NF				
IOXIDE	NL NO	NIGHT LIGHT NORMALLY			
	-				
_	OFF, OF, or	OFFICE			
	OH OHD	OVERHEAD OVERHEAD			
NATION CABINET	2.10				
	P	POLE			
HEATER	PA PB	PUBLIC ADDRESS PUSH			
	PH	PHASE			
	PLBG	PLUMBING			
	PNL PD at at	PANEL			
I PANEL	PR or pr PRV	PAIR POWER ROOF			
	PS	PULL			
R	PS	PROJECTION			
	PTZ PVC	PAN TILT POLYVINYL			
	PW	POWE			
	RCP	REFLECTED CEILING PLAN			
	REC or RECEPT	RECEPTACLE			
CABINET	REF or REFRIG	REFRIGERATOR			
I	RH	RADIANT HEAT RANGE			
	RH RLY	RELAY			
ELECTRICAL ND	RM	ROO			
	RMS	ROOT MEAN			
METALLIC TUBING					
NON-METALLIC IT HEATER	SCC SD	SHORT CIRCUIT SMOKE			
TER	SFR	SAFETY RECEPTACLE			
	SFTY	SAFETY			
	SHLD	SHIELD OR SHIELDED			
IBLE	SIG SMR	SIGNAL SURFACE MOUNT			
	SN	SOLID NEUTRAL			
NNUNCIATOR	SP	SUMP			
CONTROL Y	SPECS SPKR	SPECIFICATIONS SPEAKER			
T	SPR	SPEARER SPLIT WIRE RECEPTACLE			
	S	SWITC			
E, NON-	SWB	SWITCH			
E,	тс	TEMPERATURE			
	TC	TELEPHONE CABINET			
POSAL	TCC				
LT CIRCUIT	TEL TL	TELEPHONE TWIST			
RIGID CONDUIT	TR, TRANS or	TRANSFORME			
	TTB				
٦	TV TVSS	TELEVISION TRANSIENT VOLTAGE SURGE			
R INTILATING	TYP	TYPICAL			
CESS					
	UG				
TY DISCHARGE	UH UV	UNIT HEATER UNIT VENTILATOR			
RE					
	V				
ITILATION & AIR CONDITIONING	VFD	VARIABLE FREQUENCY DRIVE			
	w	WAT			
	W	WIT			
G OUND	W/ W				
E METAL	w WTR or	WEATHERPROO WATE			
NT	W	WINDOW			
ISOLATION	VEND				
	XFMR	TRANSFORME			
	Y	WYE			
IRCULAR					
IRCULAR	φ	PHASE			
	φ Δ	PHASE			
IRCULAR					

4

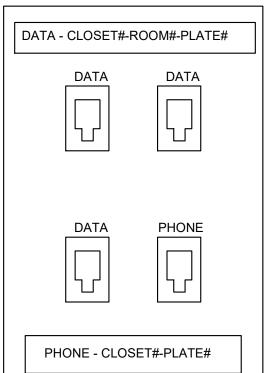
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4		5		6
		ARCHITECTS	SUM DAKOT	VA U.S. D of Vet
		STONE GROUP	PROFESSION ALEG. NO. 12457 12457 IONATHAN N. 12457 KENNEDY	and Fac Manage
<u>A/E:</u>			WINNING FESSION	Constru
ARG	CHITECT O	F RECORD	STAMP	Office

e of uction cilities	Drawing Title ELECTRICAL SCHEDULES AND DETAILS	Phase 100% CD	Project Title MRI SITE PREP	1
ement	Approved:		Location SIOUX FALLS, S	SOUT
epartment erans Affairs			Issue Date 11/09/2020	Check JK
	7	8	9	

2 TYPICAL COMMUNICATIONS DETAIL 12" = 1'-0"





FIXTURE

LENS

LENS

FROSTED

ACRYLIC

OPEN

RED

DIFFUSER VOLTAGE

MP

UNIV.

UNIV.

UNIV.

UNIV.

MULTI

UNIV.

ITEM FED

MRI CONTROL CABINET EPC

SPACE

SPACE

SPACE

SPACE

SPACE

SPACE

SPACE

SPACE

SPACE

FIXTURE

MARK

А

A2

UC

X1

FIXTURE TYPE

2'X4' RECESSED

2'X2' RECESSED

4' WALL BRACKET

6-INCH DOWNLIGHT

EXIT SIGN SINGLE

FACE

UNDER COUNTER | MILK WHITE |

NOTES:

LIGHTING FIXTURE SCHEDULE

TYPE

RECESS

RECESS

WALL

RECESS

SURFACE

UNIV.

PHASES:

LOCATION:

FEEDER SIZE:

29333 18568

LAMP TYPE

LED 4000K

LED 4000K

LED 4000K

LED 4000K

17W T8

LED

-- -- 0 0

--- -- 0 0

-- -- 0 0

MAIN CIRCUIT BREAKER WITH INTEGRAL SHUNT TRIP, INTERLOCK SHUNT TRIP WITH EMERGENCY-OFF PUSH BUTTONS

480/277 Wye

25KAIC

SURFACE

2/0 125 A 3

-- -- --

-- -- --

-- -- --

-- -- --

-- -- --

-- -- --

MOUNTING MOUNTING

HEIGHT

CEILING

CEILING

ABOVE

MIRROR

CEILING

VARIOUS

AMPS POLES A (WATTS) B (WATTS) C (WATTS) POLES AMPS

29333 18568

0 0

0 0

0 0

TOTAL CONNECTED LOAD: 47901 W 47901 W 47901 W 47901 W AMPS: 173 A LOAD:

MANUFACTURER

METALUX OR

EQUAL

METALUX OR

EQUAL

HE WILLIAMS OR

EQUAL

CREE OR EQUAL

LITHONIA

LIGHTING

EQUAL

MECH. A12

SEE SHEET KEYNOTES

PER PLANS LIGHTALARMS OR

29333 18568

MODEL

24CZ-LD5-40

22CZ-LD5-34

WMA

2UC-17-MVOL

-GEB10IS

XD

WIRE: 4

3 80 A 3

-- - -- --

-- -- --

-- -- --

-- -- --

-- -- --

-- -- --

ROOM#-PLATE#

1

DATA JACK#

0069E-1

D2

 \frown

0 0 -- - -

0 0 -- - -

0 0 -- - -

KR

LAMP NUMBER

AND WATTS

29W, 4,000

LUMENS

30W, 3,400

LUMENS

30W, 4,000

LUMENS

39W, 2,550

LUMENS

1-17

LED

VOLTS:

WIRE

2/0 +

GND

AIC RATING:

MOUNTING:

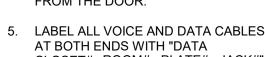
- 1. [→] (3) DATA, (1) PHONE JACK.

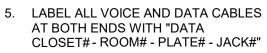
- 2. SEE SECTION 27 1005 FOR PLATE AND JACK REQUIREMENTS.
- 3. DATA JACKS TO BE ORANGE COLOR, PHONE JACKS TO BE IVORY.

- 4. PLATES ARE LABELED AS SHOWN, NUMBER PLATES ARE CLOCKWISE



- 5. LABEL ALL VOICE AND DATA CABLES





6. ALL (4) JACKS TO BE CATEGORY 6A

RIGHT, TOP TO BOTTOM

7. DATA JACKS ARE NUMBERED LEFT TO

CABLES.

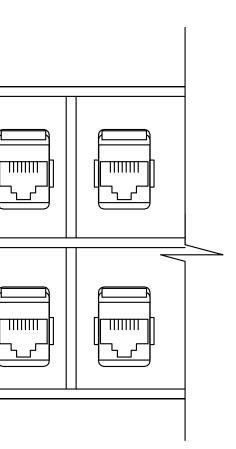
Α

С

D

Е

	COMMENTS						
	90CRI; DIM TO 1%; SMOOTH FROSTED ACRYLIC LENS						
	90CRI; DIM TO 1%; SMOOTH FROSTED						
_	ACRYLIC LENS 4-FOOT; UP/DOWN LIGHTING						
_	LES LUTRON DIMMING TO	0 1%					
Г							
_	CAST ALUMINUM, BATTEF CHARGER, SELF DIAGNOS						
		A 00					
MAIN CONNECTION:250A							
_	MAIN TYPE: N	ICB					
ITEM FED							
MRI REMOTE CHILLER (LOCATED ON ROOF) WCH							
SPACE							
SPACE							
SPACE							
SPACE							
SPACE							
SPACE							
SPACE							
SPACE							
SPACE							
-	143703 W						



1 PATCH PANEL SAMPLE LABELS 12" = 1'-0"

