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STAMP

REGISTERED ARCHITECT
TODD ANDALL
SIoux FALLS, SD
11-6-20

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: **INTERIOR ELEVATIONS**

Approved: _____

Phase: **BID SET**

Project Title: **RENOVATE PREOPERATIVE CARE UNIT**

Location: **SIOUX FALLS, SOUTH DAKOTA**

Issue Date: 11/06/20

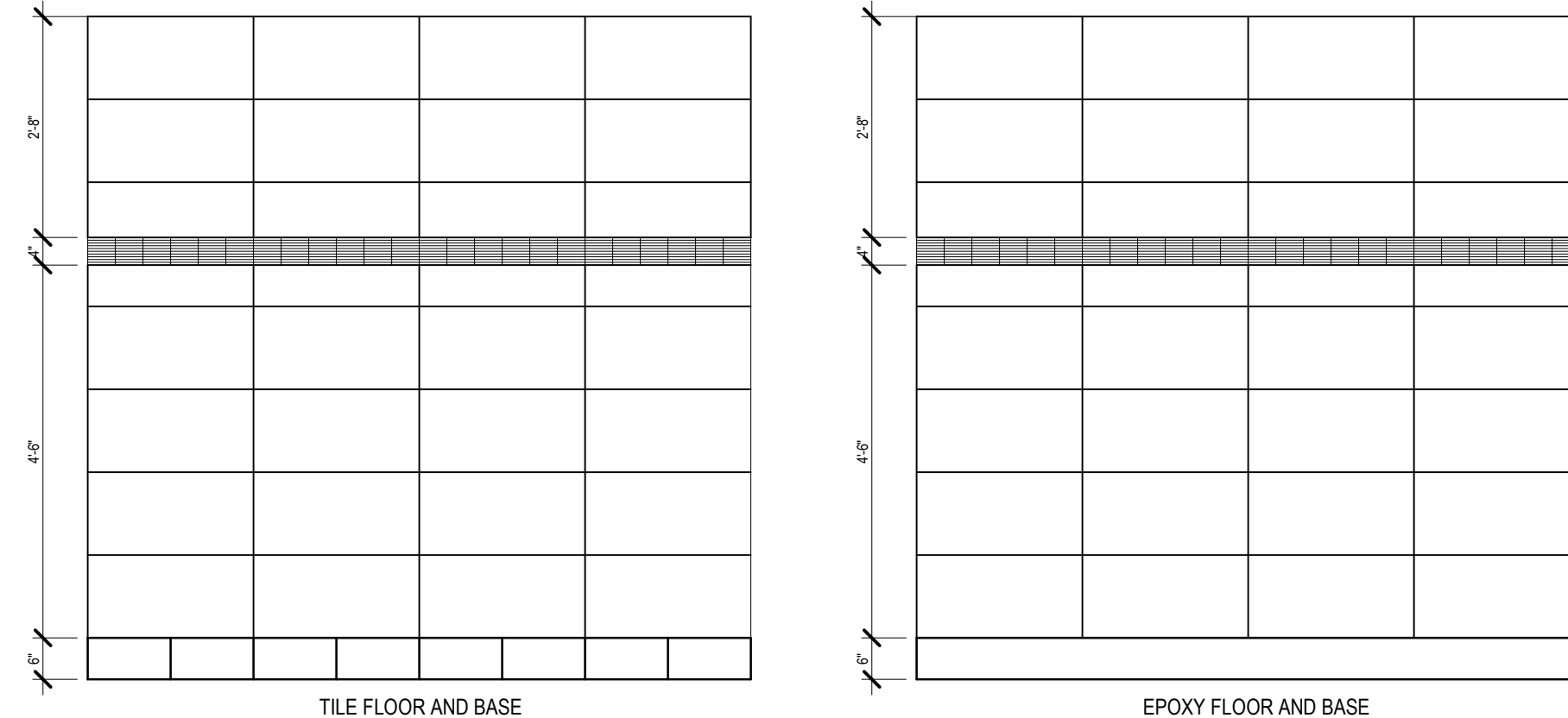
Checked: TRS

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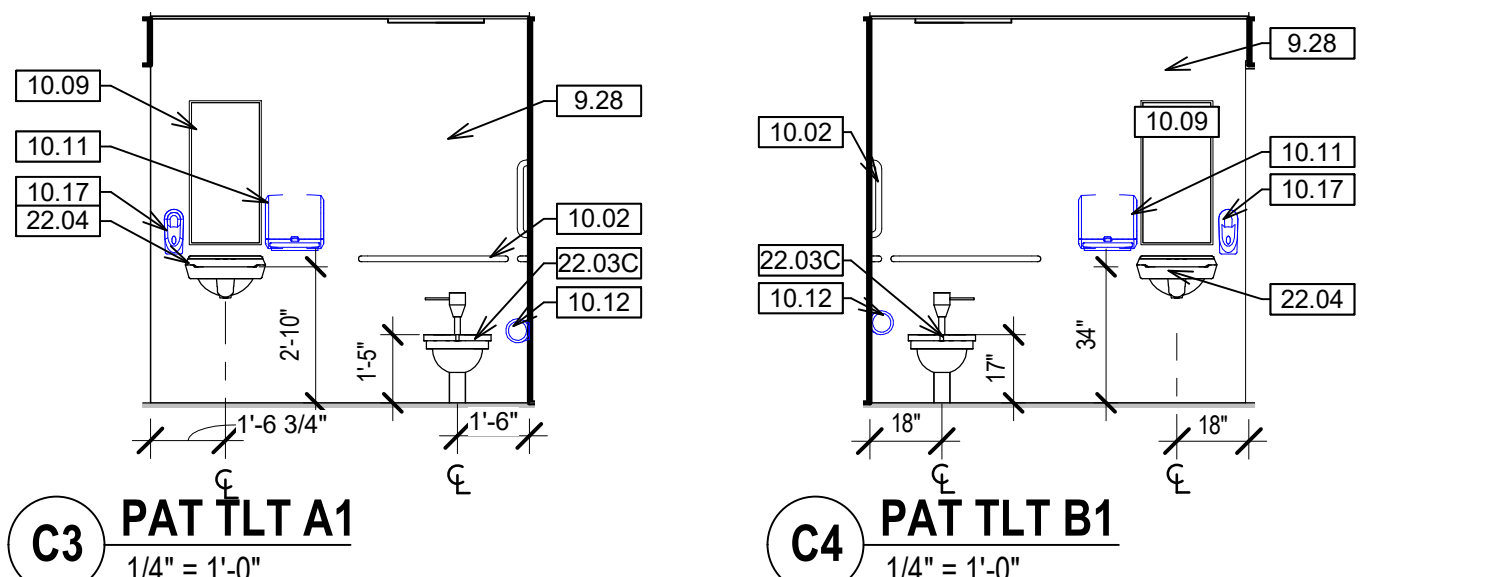
Project Number: **VA #438-19-101 SGA #191910**

Building Number: **5**

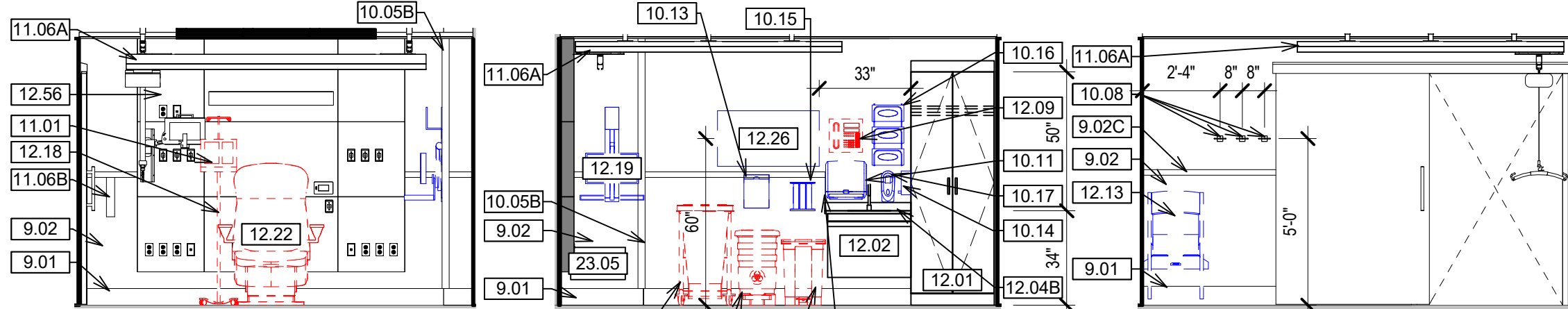
Drawing Number: **AE-401**



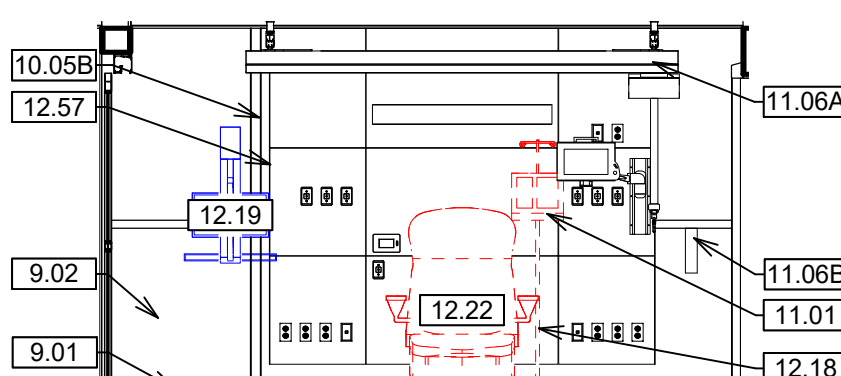
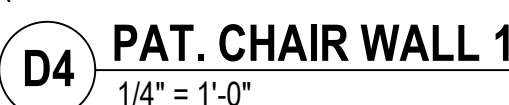
B2 TILE WALLS TYP.
1/2" = 1'-0"



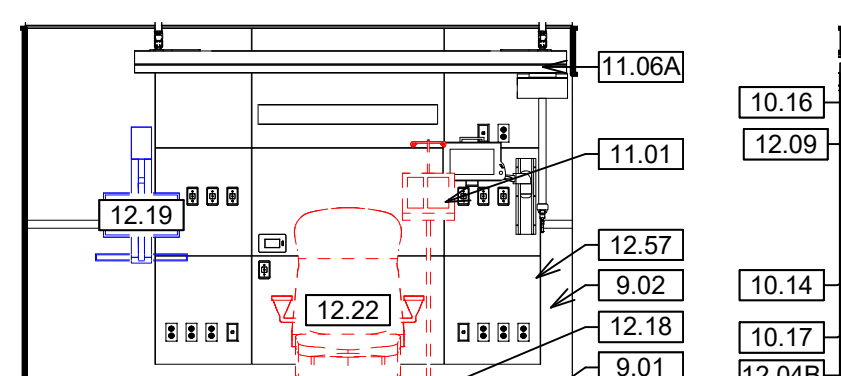
C3 PAT TLT A1
1/4" = 1'-0"



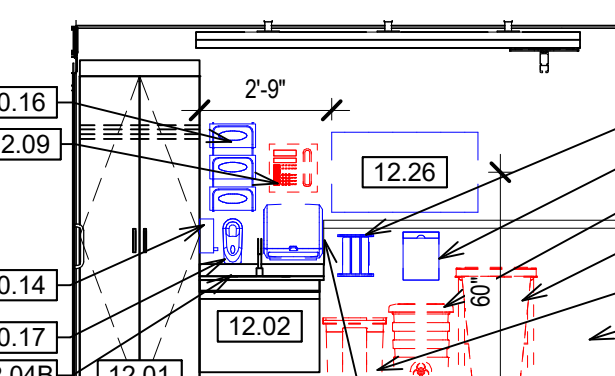
D3 PAT. SINK WALL 1
1/4" = 1'-0"



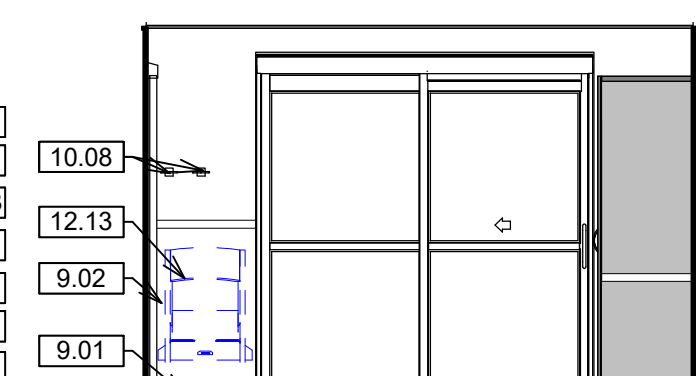
E1 D05 NORTH
1/4" = 1'-0"



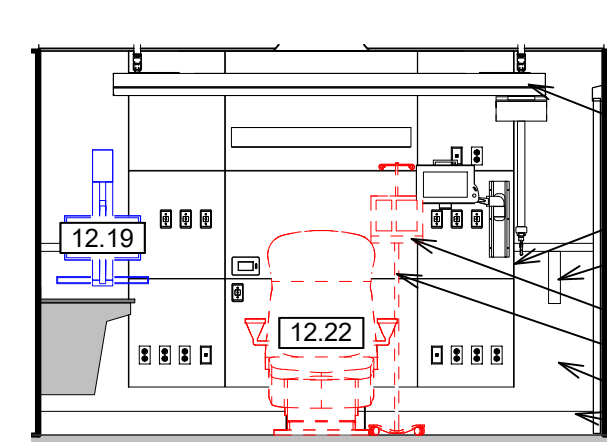
E3 D12 WEST
1/4" = 1'-0"



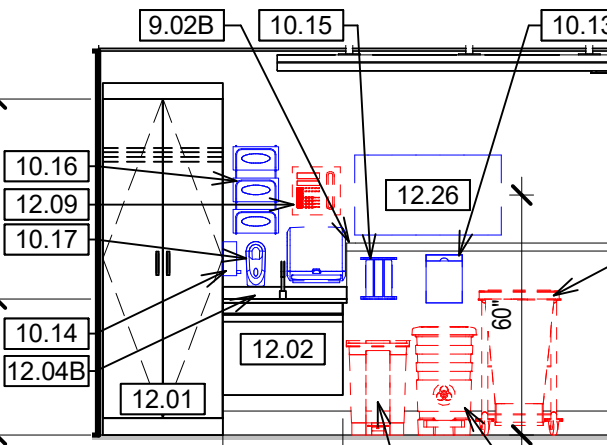
E4 D12 SOUTH
1/4" = 1'-0"



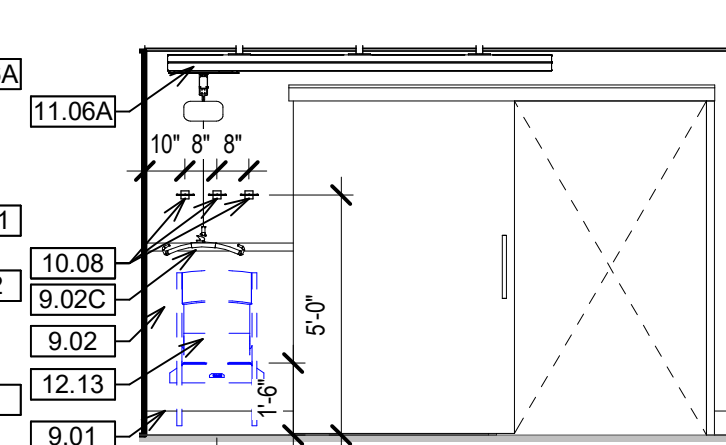
E5 **D12 EAST**
1/4" = 1'-0"



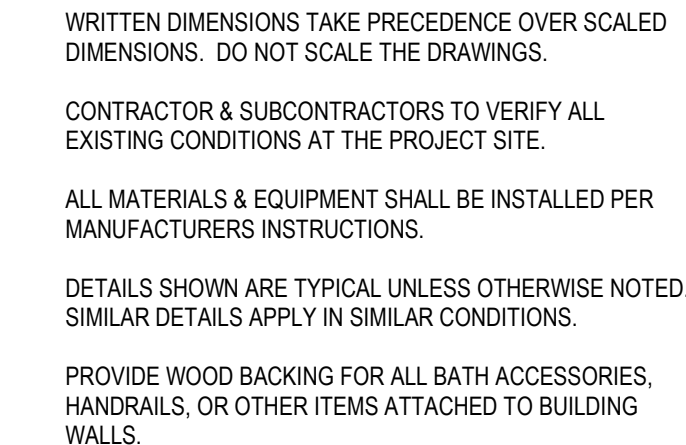
D6 PAT. BAY HEADWALL 2
1/4" = 1'-0"



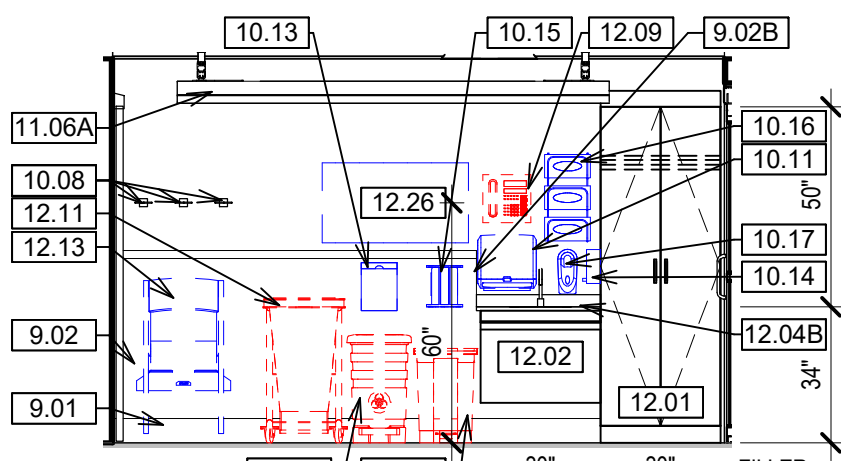
D7 PAT. SINK WALL 2
1/4" = 1'-0"



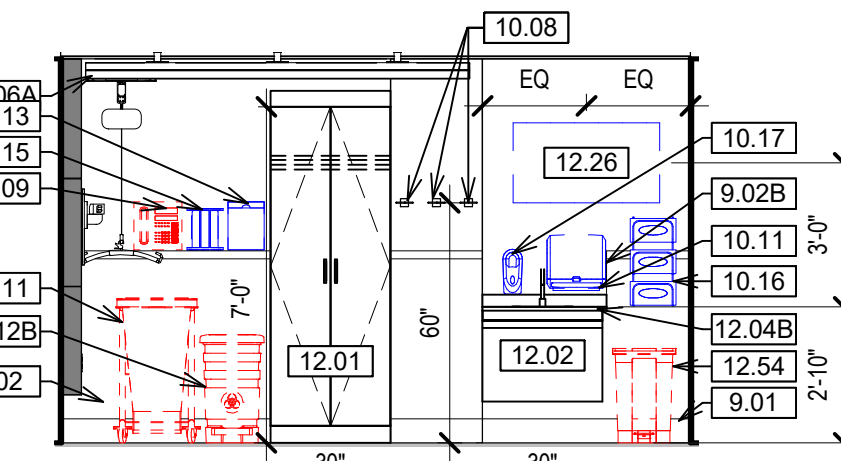
D8 PAT. CHAIR WALL 2
1/4" = 1'-0"



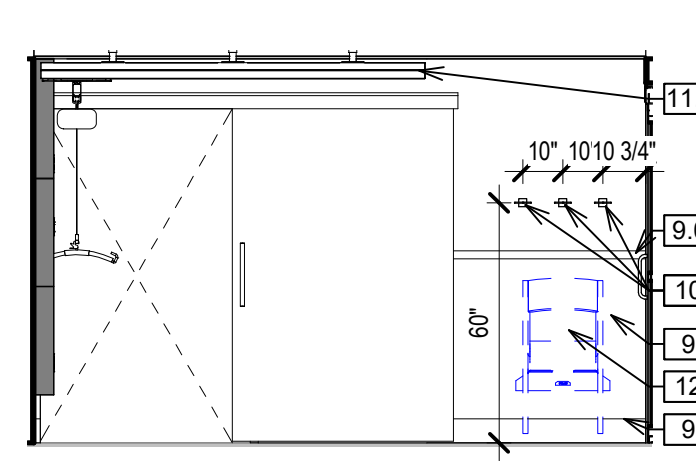
RESISTANT GYPSUM BOARD. USE DURAROC
PORCELAIN & CERAMIC TILE LOCATIONS.



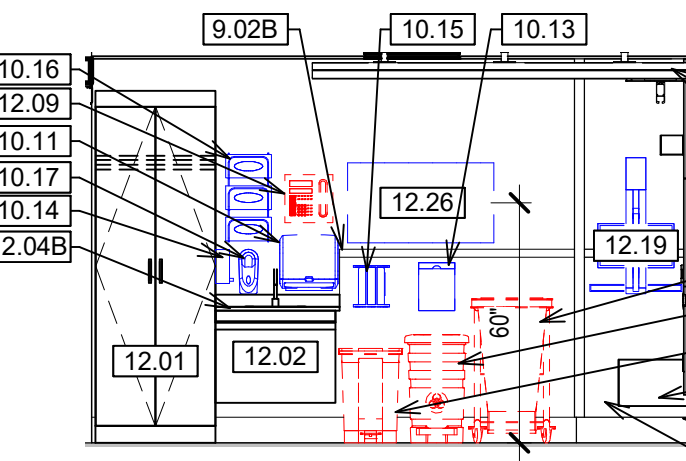
F1 D05 SOUTH
1/4" = 1'-0"



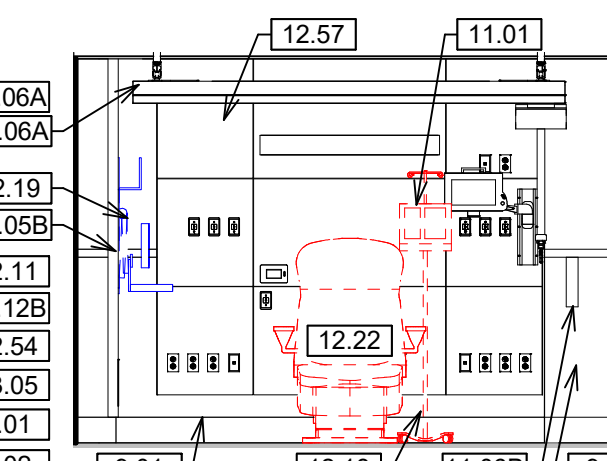
F3 **D25 SINK WALL**
1/4" = 1'-0"



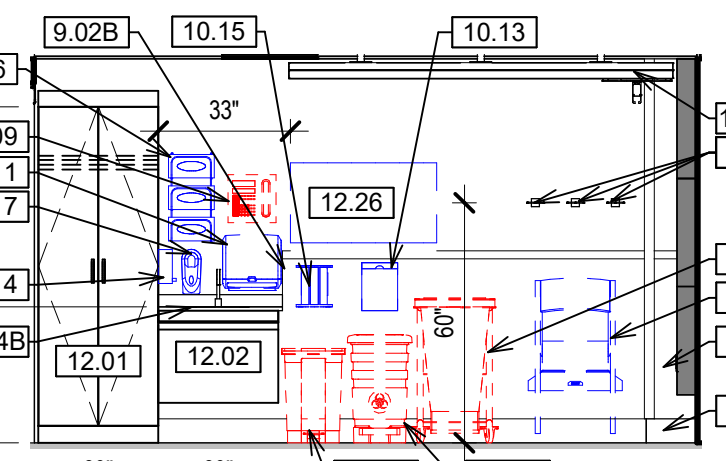
F5 **D27/D30 WEST WALL**
1/4" = 1'-0"



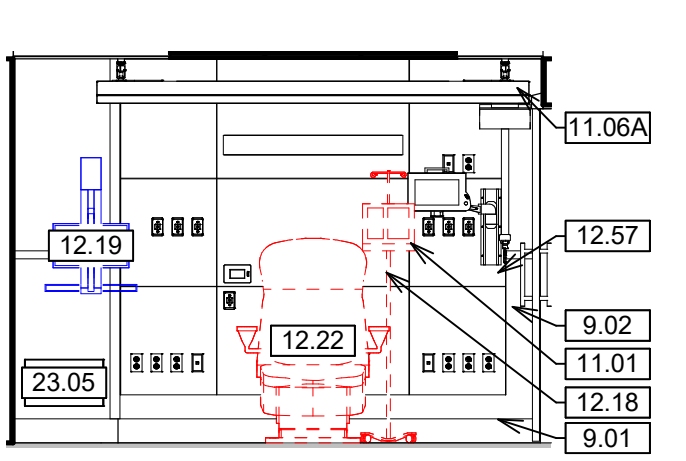
F6 **D27/D30 SINK WALL**
1/4" = 1'-0"



F7 **D27/D30 HEADWALL**
1/4" = 1'-0"



F8 **D29 NORTH**
1/4" = 1'-0"



D29 EAST
1/4" = 1'-0"

Project Number VA #438-19-101 SGA #191910
Building Number 5
Drawing Number AE-402

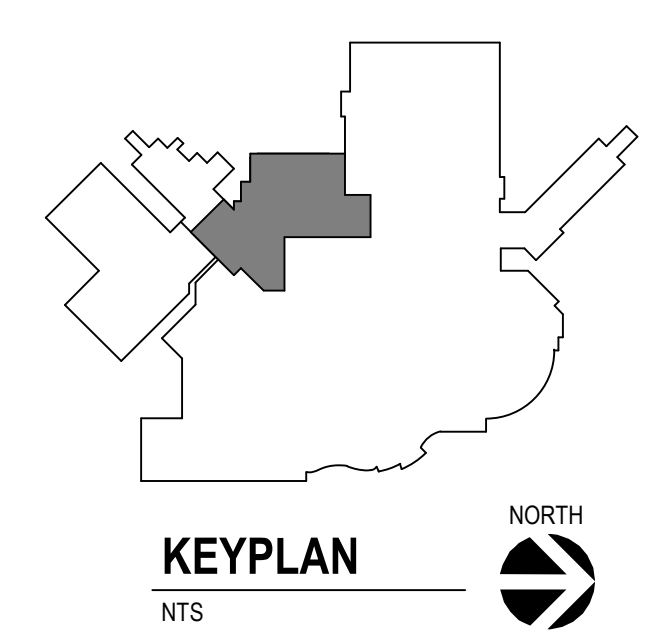
KEYNOTES	
Value	Keynote Text
9.01	WALL BASE. SEE INTERIOR FINISH SCHEDULE.
9.02	WALL PROTECTION. SEE INTERIOR FINISH SCHEDULE.
9.02B	CONTACT VA INTERIOR DESIGNER PRIOR TO RWP FOR WALL PROTECTION TERMINATION AROUND SINK.
9.02C	VERIFY RWP TOP CAP FITS BETWEEN SLIDING DOOR PRIOR TO INSTALLATION. DO NOT DISCUSS OPTIONS W/ARCHITECT AND VA INTERIOR DESIGNER.
9.02B	WALL WALL FINISH. SEE B2/AE-402 AND FINISH SCHEDULE.
10.05B	ACC COMPLIANT GRAB BARS.
10.05B	CORNER GUARD. SEE AF-101 FOR LOCATIONS.
10.05B	ACC BARRIATIC GRAB BARS.
10.05B	GARNISH HOOK.
10.09	18" X 36" MIRROR. BOTTOM OF REFLECTIVE SURFACE 40" AFF.
10.09A	60" X 36" MIRROR. BOTTOM OF REFLECTIVE SURFACE 40" AFF.
10.10	ACC PAPER TOWEL DISPENSER. OUTLET OF DISPENSER TO BE 40" AFF.
10.11	ACC TOILET PAPER DISPENSER. OUTLET OF DISPENSER TO BE 40" AFF.
10.12	ACC TOILET PAPER DISPENSER. OUTLET OF DISPENSER TO BE 40" AFF.
10.13	SHARPS CONTAINER. OFCL.
10.14	HAND SANITIZER DISPENSER. BOTTOM OF DISPENSER TO BE 40" AFF. IN CORRIDOR. INSTALL JUST BELOW TOP CAP BOARD ON RWP. OFCL.
10.15	CANNIWE HOLDER. OFCL.
10.16	GLOVE DISPENSER. OFCL.
10.17	ACC SOAP DISPENSER. OPERABLE PART TO BE 40" AFF UNO OFCL.
10.18	PEDESTAL BENCH.
10.19	VOLU/METRIC MULTIPLE LINE INFUSION PUMP. VV.
11.06A	HILLROM LOKI BARRIATIC PATIENT LIFT. INSTALL PER MR'S INSTRUCTIONS AND DETAILS.
11.06B	LIFT DOCKING STATION.
12.01	MIDMARK LOCKABLE WARDROBE AND STORAGE.
12.02	MIDMARK ADA SINK APRON.
12.04B	SOLID SURFACE COUNTERTOP W/ INTEGRATED SINK.
12.09	TELEPHONE. OFCL.
12.11	LINEN HAMPER. VV.
12.12B	INFECTIOUS WASTE BIN. OFCL.
12.13	WALL MOUNTED CHAIR. OFCL.
12.14	ADJUSTABLE IV STAND ON WHEELS. OFCL.
12.19	WALL MOUNTED COMPUTER WORK STATION. OFCL.
12.20	MIDMARK PATIENT CHAIR. OFCL.
12.26	42" TELEVISION. OFCL. CONTRACTOR TO PROVIDE BACKING.
12.26	15" DEEP PLAIN SHELF W/ METAL ROD.
12.34	GARBAGE BIN. OFCL.
12.36	HEADWALL A. SEE B1/AE402
12.37	HEADWALL B. SEE C1/AE402
12.60	WALL HUNG MONITOR. OFCL. CONTRACTOR TO VERIFY BACKING.
22.05A	ACC BARRIATIC FLOOR MOUNTED TOILET W/ HOPPER.
22.03B	ACC FLOOR MOUNTED TOILET.
22.03C	ACC FLOOR MOUNTED TOILET W/ HOPPER.
22.04	ACC WALL HUNG SINK.
22.09	ACC SHOWER HEAD.
23.02	FLOWMETER. OXLEY LOW FLOW.
23.03	REGULATOR, VACUUM.
23.04	FLOWMETER, AIR.
23.05	MECHANICAL ELEMENT. SEE MECH. TP.
24.01	LIFT FIXTURE. SEE ELEC. TP.
26.03	EMERGENCY POWER. SEE ELEC.
26.04	POWER. SEE ELEC.
26.05	DATA. SEE ELEC.
26.06	NURSE CALL. SEE ELEC.
26.07	DIMMER SWITCH. SEE ELEC.

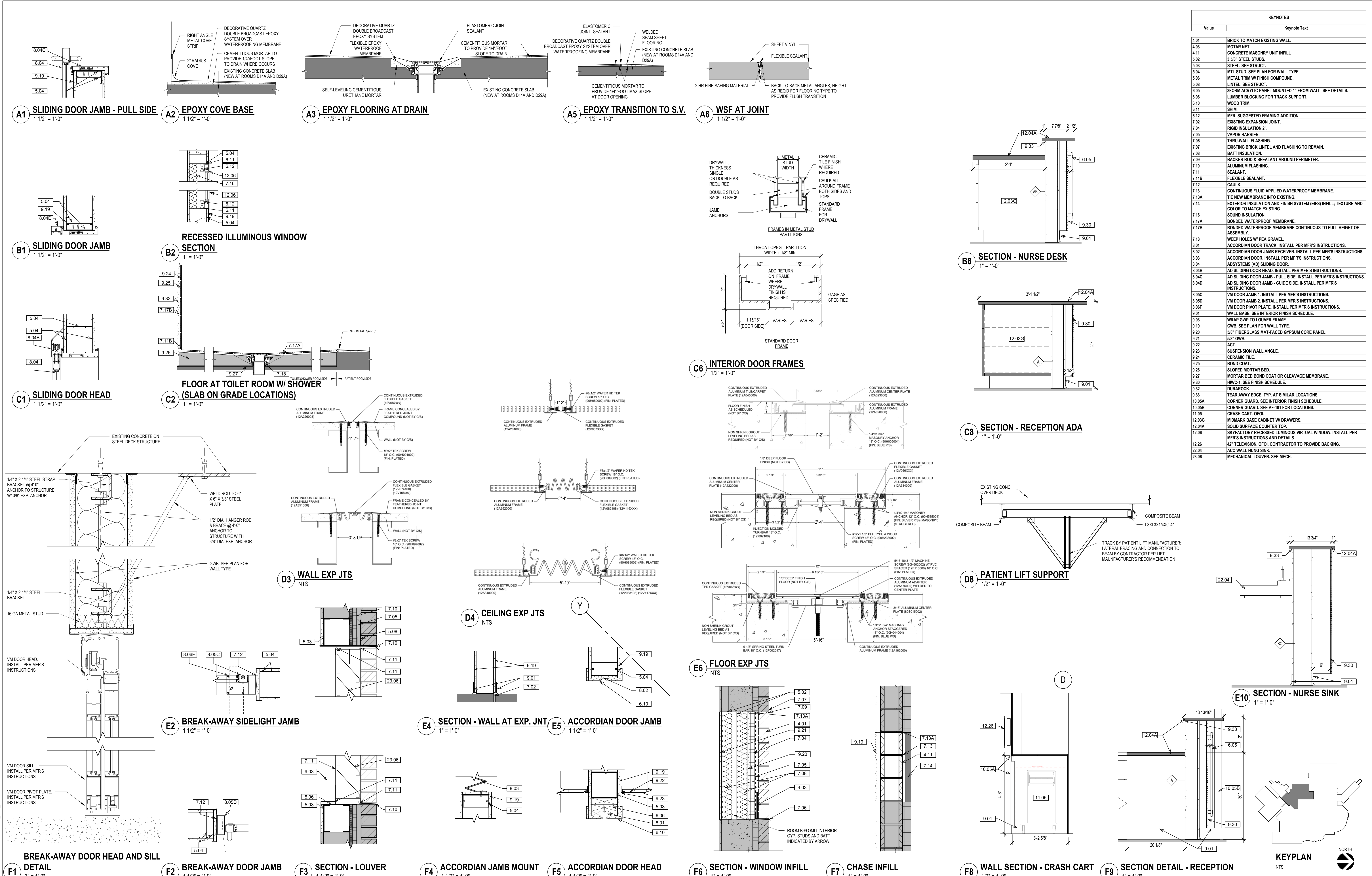
GENERAL ELEVATION NOTES:

- | | | | |
|----|---|----|--|
| 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 PROCEEDING WITH THE WORK. | V. | ACT CLINGED HEIGHT OF 8'-0" IS EXPECTED WHERE INDICATED. SUGGEST VARIATION TO MECHANICAL AND ELECTRICAL EQUIPMENT INTERFERENCE IS ACCEPTABLE IN ROOMS D25, D26, D27, D27A, D28, D30A & D32. |
| B. | FURNITURE IS PROVIDED AND INSTALLED BY OTHERS. | S. | ALL DOORS TO BE 4" FROM ADJACENT SLOPE WALL LION. |
| C. | WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. | T. | FINISHED FLOOR TO MAINTAIN A MAX 1/8" SLOPE OVER 10' 0" EXCEPT FOR REDD SLOPING NEAR FLOOR DRAINS. |
| D. | CONTRACTOR & SUBCONTRACTORS TO VERIFY ALL EXISTING CONDITIONS AT THE PROJECT SITE. | U. | UNLESS NOTED DFOI OR CDF, ALL ITEMS TO BE CFCI. |
| E. | ALL MATERIALS & EQUIPMENT SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTIONS. | V. | VERIFY STRUCTURAL COLUMN FIREPROOFING THICKNESS IS ADEQUATE. |
| F. | DETAILS SHOWN ARE TYPICAL UNLESS OTHERWISE NOTED. SIMILAR DETAILS APPLY IN SIMILAR CONDITIONS. | W. | ACCESS TO PHARMACY MUST BE MAINTAINED THROUGHOUT CONSTRUCTION FOR EMPLOYEES AND ROBOT. |
| G. | PROVIDE WOOD BACKING FOR ALL BATH ACCESSORIES, HANDRAILS, OR OTHER ITEMS ATTACHED TO BUILDING WALLS. | X. | CONTRACTORS WILL NOTIFY OWNER IMMEDIATELY OF ANY MATERIALS WHICH ARE SUSPECTED OF CONTAINING ASBESTOS OR LEAD AND SHALL NOT DISTURB OR ATTEMPT TO ABATE ANY ASBESTOS OR LEAD CONTAINING MATERIAL. THE OWNER WILL OBTAIN AND PROVIDE RESERVES OF PROFESSIONALS SKILLED IN ASBESTOS OR LEAD REMOVAL. |
| H. | GYPSUM UNDS IN RESTROOMS SHALL BE WATER RESISTANT GYPSUM BOARD. USE DURAROCK @ ALL PORCELAIN & CERAMIC TILE LOCATIONS. | Y. | CORE DRILLS THROUGH EXISTING PAN AND JOIST CONSTRUCTION ARE ONLY PERMITTED AS SHOWN IN THE STRUCTURAL DRAWINGS. CORE DRILLS TO BE 4" DIA MAX 2'-0" MIN AND MIN 4" DIA MAX. PROVIDE CEMENT CAST JOIST BEAMS. CORE DRILLS THROUGH CONCRETE BEAMS AND JOISTS ARE NOT PERMITTED. |
| I. | PROVIDE ADA COMPLIANT SIGNAGE FOR ALL REQUIRED AREAS, ROOMS, & ACCESSIBLE PATHS. | Z. | PROVIDE FINISHED ENDS AT ALL CASEWORK THAT WILL BE EXPOSED. |
| J. | HEIGHT OF OPERATIONAL OR DISPENSING PORTION OF ACCESSORIES & FIXTURES NOT TO EXCEED 48" A.F.F. | | |

GENERAL REMODEL NOTES:

- REFER TO MECHANICAL DRAWINGS FOR RELATED MECHANICAL CONSTRUCTION.
- REFER TO ELECTRICAL DRAWINGS FOR RELATED ELECTRICAL CONSTRUCTION.
- PATCH TO MATCH SPRAY-ON FIREPROOFING DAMAGED OR REMOVED FROM STRUCTURAL MEMBERS DURING REMODELING.
- PATCH EXISTING FINISHES DAMAGED DURING MECHANICAL AND ELECTRICAL REMODELING.
- PROTECT SURROUNDING ROOMS NOT UNDER CONSTRUCTION FROM DUST AND DEBRIS. THESE ROOMS ARE NOT TO BE USED BY ANY CONTRACTOR FOR ANY PURPOSES.
- FURNISHINGS OR EQUIPMENT IN AREA OF WORK ARE TO BE MOVED AND TURNED OVER TO OWNER, UNLESS NOTED OTHERWISE. DISPOSE OF ALL ITEMS NOT WANTED BY OWNER.
- MAINTAIN ACCESS TO ALL EXITS DURING CONSTRUCTION.
- WORK TIME RESTRICTIONS:
1. WORK WILL BE SHUT DOWN AS REQUIRED FOR STAFFPATIENT NEEDS OR NOISE ISSUES.
 2. CORRIDORS TO REMAIN OPEN AT ALL TIMES. SHOULD BE SCHEDULED AFTER BUSINESS HOURS WEEKENDS AND SHOULD BE SUBSIDIZED TO MAINTAIN CIRCULATION.
 3. CORRIDOR ACCESS TO ROOMS MUST BE MAINTAINED AT ALL TIMES (EXCEPT POSSIBLY OUTSIDE BUSINESS HOURS WHEN WORK COULD BE COORDINATED AND COMPLETED).
 4. WORK MUST BE COORDINATED WITH THE IMMEDIATE REINSTALLATION OF FINISHES SO CORRIDORS DO NOT REMAIN IN AN UNFINISHED STATE.
 5. REINSTALL CEILING TILE AT END OF EACH SHIFT WHERE CEILING WORK OCCURS OUTSIDE OF 1-2 HOUR CONSTRUCTION WINDOW.





KEYNOTES	
Value	Keynote Text
4.01	BRICK TO MATCH EXISTING WALL.
4.03	MOTAR NET.
4.11	CONCRETE MASONRY UNIT INFILL.
5.02	3/8" STEEL STUDS.
5.03	STEEL. SEE STRUCT.
5.04	MTL. STUD. SEE PLAN FOR WALL TYPE.
5.06	METAL TRIM W/ FINISH COMPOUND.
5.08	LINTEL. SEE STRUCT.
6.05	3/8" ACRYLIC PANEL MOUNTED 1" FROM WALL. SEE DETAILS.
6.06	LUMBER BLOCKING FOR TRACK SUPPORT.
6.10	WOOD TRIM.
6.11	SHIM.
6.12	MFR. SUGGESTED FRAMING ADDITION.
7.02	EXISTING EXPANSION JOINT.
7.04	RIGID INSULATION 2".
7.05	VAPOR BARRIER.
7.06	THRU-WALL FLASHING.
7.07	EXISTING BRICK LINTEL AND FLASHING TO REMAIN.
7.08	BATT INSULATION.
7.09	BACKER ROD & SEALANT AROUND PERIMETER.
7.10	ALUMINUM FLASHING.
7.11	SEALANT.
7.11B	FLEXIBLE SEALANT.
7.12	CAULK.
7.13	CONTINUOUS FLUID APPLIED WATERPROOF MEMBRANE.
7.13A	TIE NEW MEMBRANE INTO EXISTING.
7.14	EXTERIOR INSULATION AND FINISH SYSTEM (EIFS) INFILL. TEXTURE AND COLOR TO MATCH EXISTING.
7.16	SOUND INSULATION.
7.17A	BONDED WATERPROOF MEMBRANE.
7.17B	BONDED WATERPROOF MEMBRANE CONTINUOUS TO FULL HEIGHT OF ASSEMBLY.
7.18	WEEP HOLES W/ PEA GRAVEL.
8.01	ACCORDIAN DOOR TRACK. INSTALL PER MFR'S INSTRUCTIONS.
8.02	ACCORDIAN DOOR JAMB RECEIVER. INSTALL PER MFR'S INSTRUCTIONS.
8.03	ACCORDIAN DOOR. INSTALL PER MFR'S INSTRUCTIONS.
8.04	ADSYSTEMS ADJ. SLIDING DOOR.
8.04B	AD SLIDING DOOR HEAD. INSTALL PER MFR'S INSTRUCTIONS.
8.04C	AD SLIDING DOOR JAMB - PULL SIDE. INSTALL PER MFR'S INSTRUCTIONS.
8.04D	AD SLIDING DOOR JAMB - GUIDE SIDE. INSTALL PER MFR'S INSTRUCTIONS.
8.05C	VM DOOR JAMB 1. INSTALL PER MFR'S INSTRUCTIONS.
8.05D	VM DOOR JAMB 2. INSTALL PER MFR'S INSTRUCTIONS.
8.06F	VM DOOR PIVOT PLATE. INSTALL PER MFR'S INSTRUCTIONS.
9.01	WALL BASE. SEE INTERIOR FINISH SCHEDULE.
9.03	WRAP GWP TO LOUVER FRAME.
9.19	GWB. SEE PLAN FOR WALL TYPE.
9.20	5/8" FIBERGLASS MAT-FACED GYPSUM CORE PANEL.
9.21	5/8" GWB.
9.22	ACT.
9.23	SUSPENSION WALL ANGLE.
9.24	CERAMIC TILE.
9.25	BOND COAT.
9.26	SLOPED MORTAR BED.
9.27	MORTAR BED BOND COAT OR CLEAVAGE MEMBRANE.
9.30	HWG-1. SEE FINISH SCHEDULE.
9.32	DURAROCK.
9.33	TEAR AWAY EDGE. TYP. AT SIMILAR LOCATIONS.
10.05A	CORNER GUARD. SEE INTERIOR FINISH SCHEDULE.
10.05B	CORNER GUARD. SEE AF-101 FOR LOCATIONS.
11.05	CRASH CART. OFOL.
12.03G	MIDMARK BASE CABINET W/ DRAWERS.
12.04A	SOLID SURFACE COUNTER TOP.
12.06	SKYFACTORY RECESSED LUMINOUS VIRTUAL WINDOW. INSTALL PER MFR'S INSTRUCTIONS AND DETAILS.
12.26	42" TELEVISION. OFOL. CONTRACTOR TO PROVIDE BACKING.
22.04	ACC WALL HUNG SINK.
23.06	MECHANICAL LOUVER. SEE MECH.

CONSULTANTS

MEDICAL PLANNER: **BWBR**
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STONE GROUP
ARCHITECTS

STAMP

REGISTERED ARCHITECT
TODD RANDALL
11-6-20

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: **DETAILS**

Approved: _____

Phase: **BID SET**

Project Title: **RENOVATE PREOPERATIVE CARE UNIT**

Location: **SIOUX FALLS, SOUTH DAKOTA**

Issue Date: 11/06/20

Checked: TRS

Drawn: DAN

Project Number: **VA #438-19-101 SGA #191910**

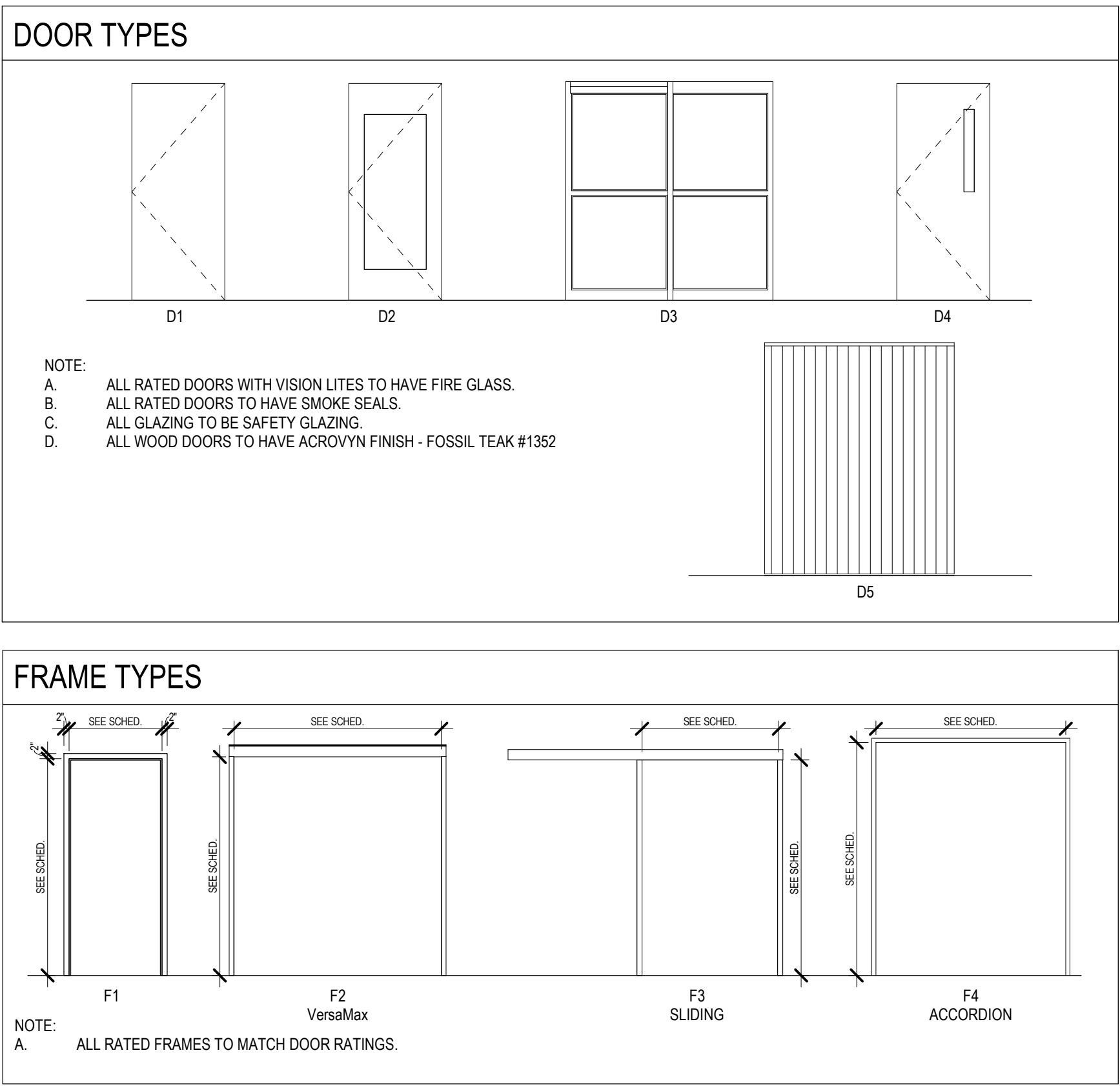
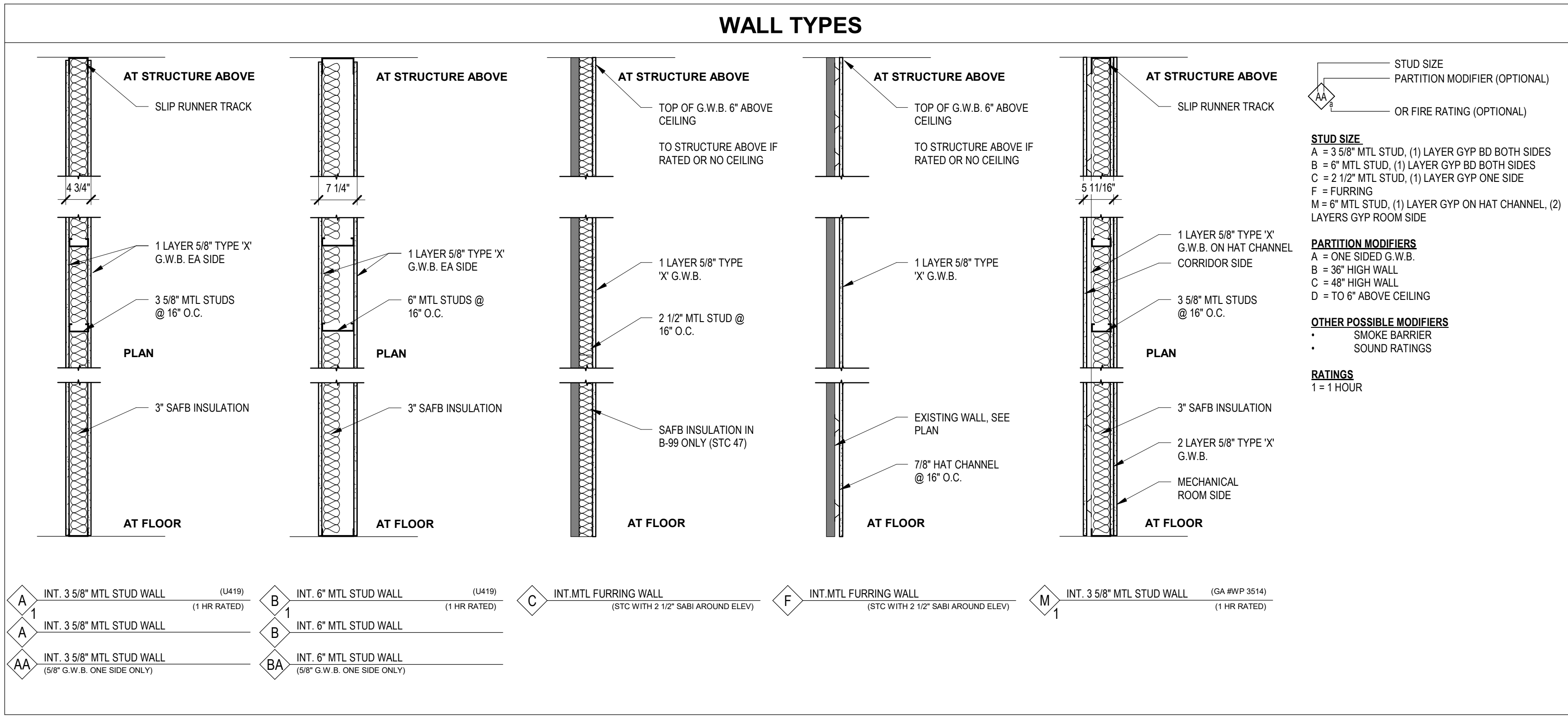
Building Number: **5**

Drawing Number: **AE-501**

one eighth inch = one foot
one quarter inch = one foot
one half inch = one foot
three quarters inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot

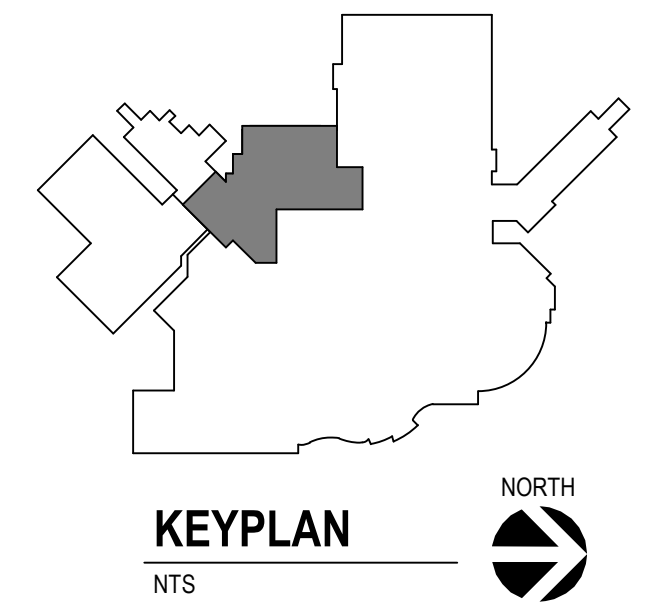
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DOOR SCHEDULE										
DOOR #	DOOR				FRAME				HWR	TYPE
	WIDTH	HEIGHT	TYPE	MATERIAL	TYPE	MATERIAL	RATING			
B87	3'-0"	7'-0"	D1	WD	F1	HM	45	08 T		
B89	3'-0"	7'-0"	D1	WD	F1	HM	-	06		
C18A	4'-0"	7'-0"	D4	WD	F1	HM	-	11		
C18B	7'-4"	7'-0"	D4	WD	F1	HM	-	16		
C18C	7'-4"	7'-0"	D4	WD	F1	HM	-	13 H.W		
C21A	6'-0"	7'-0"	D1	WD	F1	HM	-	13		
C21B	7'-4"	7'-0"	D4	WD	F1	HM	-	15		
C21C	7'-4"	7'-0"	D4	WD	F1	HM	-	15		
D01	4'-0"	7'-0"	D1	WD	F1	HM	-	11 W		
D02	4'-4 1/2"	6'-11 1/2"	D1	WD	F3	ALUM	-	02	PATIENT TLT	
D03	7'-0"	7'-5 3/4"	D3	ALUM	F2	ALUM	-	14	PATIENT ROOM	
D03A	4'-4 1/2"	6'-11 1/2"	D1	WD	F3	ALUM	-	02	PATIENT TLT	
D04	7'-0"	7'-5 3/4"	D3	ALUM	F2	ALUM	-	14	PATIENT ROOM	
D04A	4'-4 1/2"	6'-11 1/2"	D1	WD	F3	ALUM	-	02	PATIENT TLT	
D05	7'-0"	7'-5 3/4"	D3	ALUM	F2	ALUM	-	14	PATIENT ROOM	
D05A	4'-4 1/2"	6'-11 1/2"	D1	WD	F3	ALUM	-	02	PATIENT TLT	
D06	7'-0"	7'-5 3/4"	D3	ALUM	F2	ALUM	-	14	PATIENT ROOM	
D06A	4'-4 1/2"	6'-11 1/2"	D1	WD	F3	ALUM	-	02	PATIENT TLT	
D07A	4'-4 1/2"	6'-11 1/2"	D2	ALUM	F3	ALUM	-	03	NURSES	
D07B	4'-4 1/2"	6'-11 1/2"	D2	ALUM	F3	ALUM	-	03	NURSES	
D08	3'-0"	7'-0"	D1	WD	F1	HM	-	08		
D09	7'-0"	7'-5 3/4"	D3	ALUM	F2	ALUM	-	14	PATIENT ROOM	
D09A	4'-4 1/2"	6'-11 1/2"	D1	WD	F3	ALUM	-	02	PATIENT TLT	
D11	7'-0"	7'-5 3/4"	D3	ALUM	F2	ALUM	-	14	PATIENT ROOM	
D11A	4'-4 1/2"	6'-11 1/2"	D1	WD	F3	ALUM	-	02	PATIENT TLT	
D12	7'-0"	7'-5 3/4"	D3	ALUM	F2	ALUM	-	14	PATIENT ROOM	
D12A	4'-4 1/2"	6'-11 1/2"	D1	WD	F3	ALUM	-	02	PATIENT TLT	
D13	7'-0"	7'-5 3/4"	D3	ALUM	F2	ALUM	-	14	PATIENT ROOM	
D13A	4'-4 1/2"	6'-11 1/2"	D1	WD	F3	ALUM	-	02	PATIENT TLT	
D14	7'-0"	7'-5 3/4"	D3	ALUM	F2	ALUM	-	14	PATIENT ROOM	
D14A	4'-4 1/2"	6'-11 1/2"	D1	WD	F3	ALUM	-	02	PATIENT TLT	
D15	6'-0"	7'-0"	D1	WD	F1	HM	-	08		
D18A	3'-0"	7'-0"	D1	WD	F1	HM	-	08		
D18AA	3'-0"	7'-0"	D1	WD	F1	HM	-	05		
D18B	9'-3"	7'-6 1/4"	D5	VIN	F4	STL	-	00	ACCORDION DOOR	
D19	4'-0"	7'-0"	D1	WD	F1	HM	45	06		
D20	3'-0"	7'-0"	D1	WD	F1	HM	-	12		
D21	3'-0"	7'-0"	D1	WD	F1	HM	-	04		
D22	3'-0"	7'-0"	D1	WD	F1	HM	-	04		
D23	3'-0"	7'-0"	D1	WD	F1	HM	-	17		
D23A	3'-0"	7'-0"	D1	WD	F1	HM	-	20		
D24	6'-0"	7'-0"	D1	WD	F1	HM	45	19		
D25	7'-0"	7'-5 3/4"	D3	ALUM	F2	ALUM	-	14	PATIENT ROOM	
D25A	4'-4 1/2"	6'-11 1/2"	D1	WD	F3	ALUM	-	02	PATIENT TLT	
D26	3'-0"	7'-0"	D1	WD	F1	HM	45	08		
D27	7'-0"	7'-5 3/4"	D3	ALUM	F2	ALUM	-	14	PATIENT ROOM	
D27A	4'-4 1/2"	6'-11 1/2"	D1	WD	F3	ALUM	-	02	PATIENT TLT	
D28	3'-0"	7'-0"	D1	WD	F1	HM	45	08		
D29	7'-0"	7'-5 3/4"	D3	ALUM	F2	ALUM	-	14	PATIENT ROOM	
D29A	4'-4 1/2"	6'-11 1/2"	D1	WD	F3	ALUM	-	02	PATIENT TLT	
D30	7'-0"	7'-5 3/4"	D3	ALUM	F2	ALUM	-	14	PATIENT ROOM	
D30A	4'-4 1/2"	6'-11 1/2"	D1	WD	F3	ALUM	-	02	PATIENT TLT	
D31	3'-0"	7'-0"	D1	WD	F1	HM	-	05		
D32	4'-0"	7'-0"	D1	WD	F1	HM	-	05		
D33	4'-0"	7'-0"	D1	WD	F1	HM	-	05		
D34	4'-0"	7'-0"	D1	WD	F1	HM	-	05		

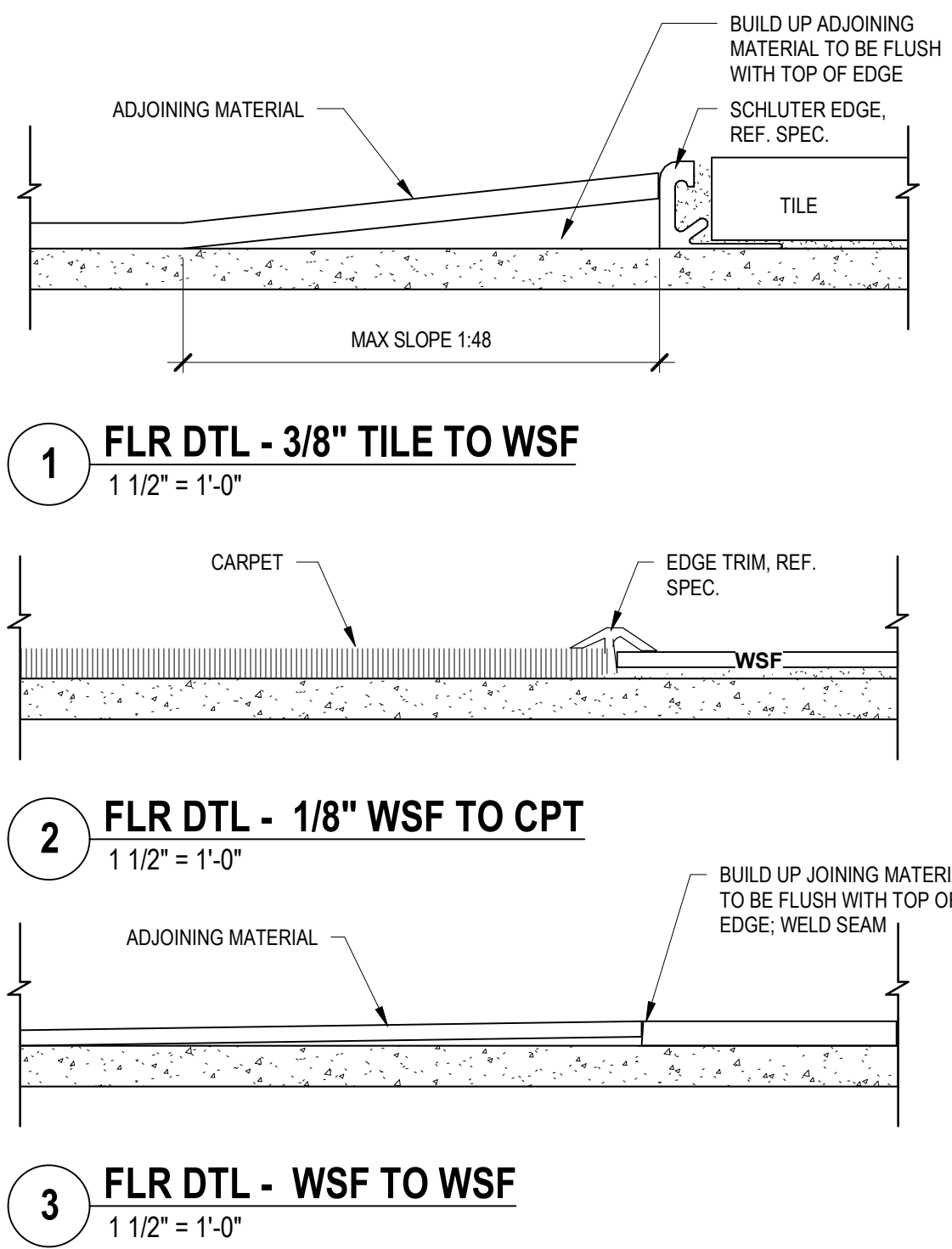
H. PROVIDE AUTOMATIC WALL HOLDER EQUAL TO IVES WS40.
T. PROVIDE DEADBOLT WITH CYLINDER OUTSIDE, TURN PIECE INSIDE, IN ADDITION TO SPECIFIED LOCKSET.
W. PROVIDE SPECIFIED WEATHERSTRIPPING GASKET.



CONSULTANTS		ARCHITECT OF RECORD		STAMP		Office of Construction and Facilities Management		Drawing Title LEGENDS & SCHEDULES		Phase BID SET		Project Title RENOVATE PREOPERATIVE CARE UNIT		Project Number VA #438-19-101 SGA #191910	
MEDICAL PLANNER: BWBR BWBR, INC. 380 Saint Peter Street Suite 600 Saint Paul, MN 55102 Phone: 651-222-3701		STRUCTURAL: ERA ERICKSEN ROED & ASSOCIATES 2650 University Avenue West Suite 423-S Saint Paul, MN 55114 Phone: 651-251-7570		MECHANICAL / ELECTRICAL / PLUMBING: DUNHAM Dunham Associates, Inc. 90 South Sixth Street Minneapolis, MN 55402-1540 Phone: 612-465-7550		Stone Group Architects 600 East 7th Street Sioux Falls, SD 57103 605-271-1144				Approved:		Location SIOUX FALLS, SOUTH DAKOTA		Building Number 5	
Revision#		Description		Date:		Issue Date 11/06/20		Checked TRS		Drawn DAN		Drawing Number AE-502			

COLOR SCHEDULE KEY

CODE	DESCRIPTION	MANUFACTURER	STYLE NAME	STYLE / COLOR	SIZE / TYPE	SPECIAL INFO
AD-1	ACCORION DOOR VINYL	KOROSEAL	LINEAGE	HERITAGE 9521-29		
AD-2	ACCORION DOOR TRIM	MODERNFOLD		DARK BRONZE		
AG-1	CORNER GUARD	PAWLING	CG-60	STAINLESS STEEL #4 SATIN	3.5" WINGS	INSTALL ABOVE WALL BASE TO CEILING, VERIFY CEILING HEIGHT, 135 DEGREE ANGLE
AT-1	ACOUSTIC CEILING TILE	ARMSTRONG	CORTEGA 704	ANGLED REGULAR 15'16" GRID - WHITE	24"X24"X5/8"	CLEAN ROOMS/RECEPTIONS CLOSETS
AT-2	ACOUSTIC CEILING TILE	ARMSTRONG	CORTEGA 704	SQUARE 15'16" WHITE 15'16" GRID - WHITE	24"X24"X5/8"	INSTALL ABOVE WALL BASE TO CEILING, VERIFY CEILING HEIGHT, 90 DEGREE ANGLE
CG-1	CORNER GUARD	PAWLING	CG-51	STAINLESS STEEL #4 SATIN	2" WINGS	INSTALL ABOVE WALL BASE TO CEILING, VERIFY CEILING HEIGHT
CPT-1	CARPET	PHILADELPHIA COMMERCIAL	STRAIGHT SHIFT 5810 - ECOWORX TILE BACKING	SCREW	18"X36"	INSTALL MONOLITHIC
CR-1	CRASH RAIL	INPRO	NT-140 NU TREE HEAVY DUTY WALL GUARD	WEATHER WOOD	6" H	INSTALL 6" ABOVE FINISHED FLOOR, MECHANICALLY FASTEN TO WALLS PER INSTALLATION GUIDE, CAP HOLES WITH MATCHING WEATHER WOOD TO COVER FASTENERS
EG-1	END WALL GUARD	INPRO	STAINLESS STEEL FLUSH MOUNT END WALL PROTECTORS	STAINLESS STEEL #4 SATIN	2" WINGS	INSTALL FLOOR TO CEILING, VERIFY CEILING HEIGHT
EP-1	DECORATIVE PANEL	3FORM ECORESIGN PANELS	VARIA ECORESIGN	STRAND IRON	SEE DRAWINGS, 1/2" THICKNESS	USE AT RECEPTION AND NURSE STATIONS
EY-1	SEAMLESS EPOXY					SHOWERS WHERE TILE FLOOR ISNT POSSIBLE
FRP	FIBERGLASS REINFORCED PLASTIC SANITARY WALL COVERING	MARLITE	STANDARD FRP	TO BE SELECTED	.009" SHEET	WAINSCOT AT MOP SINKS
HIWC-1	HIGH IMPACT WALL COVERING	CONSTRUCTION SPECIALTIES	CS ACROVYN 4000 WITH ALUMINUM TRIM ON OUTSIDE CORNERS #WCOS-AF	CHAMELEON SIMULATED WOOD: FOSSIL TEAK #1352 TRIM: CLEAR ANODIZED ALUMINUM	.009" SHEET	INSTALL HEIGHT: FULL HEIGHT OF PARTIAL HEIGHT WALLS AT RECEPTION AND NURSE STATIONS, BUTT JOINTS 1/16" WITH COLOR MATCH CAULK, TRIM OUTSIDE CORNERS WITH ALUMINUM TRIM
HR-1	HANDRAIL	INPRO	3510V	TOP & BOTTOM: BARREL OAK 55048, TOP RETURN: STAINLESS STEEL, BOTTOM RETURN: FRENCH ROAST 0370	N/A	PUBLIC CORRIDORS
LVT-1	LUXURY VINYL TILE	PHILADELPHIA COMMERCIAL	IN THE GRAIN II	FLAXSEED 00588	6" X 48"	
LVT-2	LUXURY VINYL TILE	TANDUS CENIVA	ID LATTITUDE STONE #PLST 7214 QU	LUNA 7214	12" X 24"	
P-1	PAINT	BENJAMIN MOORE	ULTRA SPEC SCOFF-X 487	HIDDEN COVE #0210	N/A	TO MATCH DIAMOND VOGEL
P-2	PAINT	DIAMOND VOGEL	ZERO PLUS 0 VOC INTERIOR LATEX SEMI-GLOSS	HIDDEN COVE #0210	N/A	
P-3	PAINT	DIAMOND VOGEL	ZERO PLUS 0 VOC INTERIOR LATEX SEMI-GLOSS	THISISTE GRAY #0197	N/A	
P-4	PAINT	SHERWIN WILLIAMS	PRO INDUSTRIAL SEMI-GLOSS 866W 651	DRIFTING SAND #0218	N/A	DOOR FRAMES - TO MATCH DIAMOND VOGEL
P-5	PAINT	NOT USED	N/A	N/A	N/A	
P-6	PAINT	DIAMOND VOGEL	ZERO PLUS 0 VOC INTERIOR LATEX SEMI-GLOSS	IN THE BLUE #0504	N/A	PATIENT ROOMS
P-7	PAINT	DIAMOND VOGEL	ZERO PLUS 0 VOC INTERIOR LATEX SEMI-GLOSS	ALWAYS NEUTRAL #0509	N/A	
PC-1	PRIVACY CURTAIN	PHOENIX TEXTILE		VESSEL	N/A	20" MIN. MESH AT TOP, 10" TO 16" A.F.F., MESH COLOR: WHITE
PL-1	PLASTIC LAMINATE	WILSONART	NICKEL EV	MATTE FINISH 4813-40	N/A	PLASTIC LAMINATE COUNTERTOPS
PT-1	PORCELAIN TILE	DALTILE	PORTFOLIO	ASH GREY P105	6" HIGH COVERED BASE, 6"X12"	FLOOR, TOILET ROOMS
PT-2	PORCELAIN TILE	DALTILE	FABRIQUE	CREME LINEN P686	12" X 24" - INSTALL STRAIGHT JOINT SUBTLE LINEAR PATTERN WITH HORIZONTAL ORIENTATION, FLOOR TO CEILING	WALLS, TOILET ROOMS
PT-3	PORCELAIN TILE	DALTILE	STACKED MOSAIC TILE LUCENT SKIES	CRIMSON DUSK LS12	MESH MOUNTED 12"X12" SHEET - INSTALLED AT 60" AFF WITH HORIZONTAL ORIENTATION IN 4" BORDER	ACCENT, TOILET ROOMS
RB-1	RUBBER BASE	JOHNSONITE	700 SERIES	#32 PEBBLE	4" HIGH COVERED BASE	USE PREMANUFACTURED INSIDE AND OUTSIDE CORNERS
RWP-1	RIGID WALL PROTECTION	INPRO	PALLADIUM RIGID VINYL WALL PROTECTION 406 WITH HORIZONTAL TOP CAP BOARD #P-3DHTC2	SLATE 0237: VELVET; TOP CAP BOARD: BRUSHED NICKEL 92028	.009" SHEET	INSTALL HEIGHT 48" AFF; BUTT JOINTS 1/16" WITH COLOR MATCH CAULK, TRIM TOP OF RWP WITH HORIZONTAL TOP CAP BOARDS
S-1	SOLID SURFACE	LG HIMACS	N/A	N/A	1.25" THICK	COUNTERTOPS
WVC-1	VINYL WALL COVERING	J JOSEPHSON	TOWER MINGLE; TYPE II	BEACHSIDE T2-MN-05	REVERSE HANGRANDOM MATCH	PUBLIC CORRIDORS ABOVE RIGID VINYL WALL PROTECTION
WVC-2	VINYL WALL COVERING	J JOSEPHSON	TOWER GOLDEN GRAY; TYPE II	SILVER BIRCH T2-GG-11	REVERSE HANGRANDOM MATCH	WAITING ROOMS ABOVE RIGID VINYL WALL PROTECTION
WSF-1	WELDED SHEET FLOORING	MANNINGTON	BIOSEPEC MED	ECRU #15382	6'-6" W ROLLS	HEAT WELD ALL SEAMS
WSF-2	WELDED SHEET FLOORING	MANNINGTON	BIOSEPEC MED	BLUE RIDGE #15376	6'-6" W ROLLS	HEAT WELD ALL SEAMS



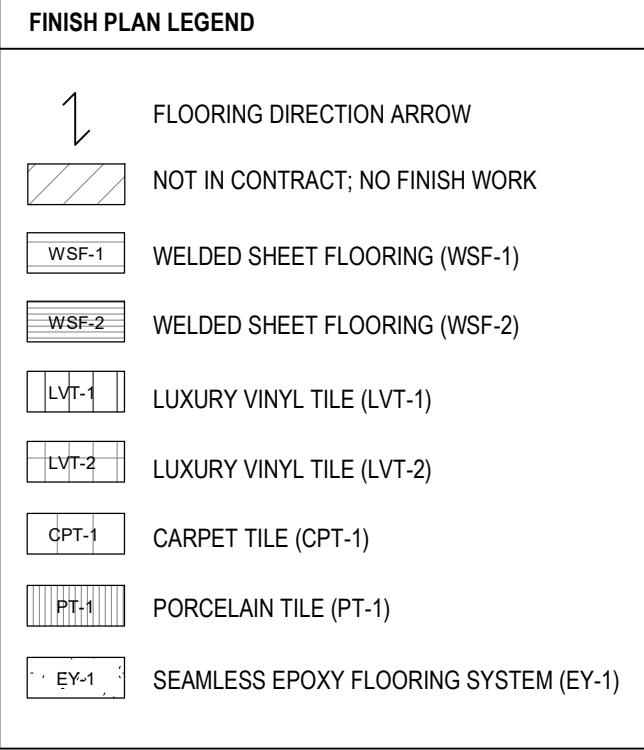
GENERAL FINISH NOTES:

- 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 PROCEEDING WITH THE WORK.
- B. FINISH SCHEDULES DENOTE FINISHES THROUGHOUT THE PROJECT. FOR LOCATIONS REFER TO THE FINISH FLOOR PLAN, ROOM FINISH SCHEDULES, REFLECTED CEILING PLANS, AND INTERIOR ELEVATIONS.
- C. SOME SPECIFIED PRODUCTS AND FINISHES MAY HAVE SUBSTANTIAL LEAD TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING ORDERS IN A MANNER TO ENSURE THEIR 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 TIMELY MANNER.
- D. ALL FINISH WORK SHALL BE PERFORMED IN COMPLIANCE WITH DRAWINGS AND SPECIFICATIONS. SHOP DRAWINGS, SAMPLES AND PRODUCT DATA SHALL BE SUBMITTED TO THE ARCHITECT FOR THEIR REVIEW PRIOR TO BEGINNING WORK.
- E. WOOD DOORS TO BE FILLED, STAINED, SEALED AND SHOP FINISHED TO MATCH ARCHITECT'S SAMPLE. WORK SHOULD BE PERFORMED IN A DUST FREE ENVIRONMENT.
- F. EXTEND ALL FLOORING UNDER FURNITURE, DESKS, COUNTERS, ETC. (UON)
- G. PROVIDE TRANSITION STRIPS AT ALL LOCATIONS THAT HAVE A CHANGE IN FLOORING MATERIALS. REFER TO TYPICAL TRANSITION STRIP DETAILS. 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.
- H. ALL VINYL TRANSITION STRIP COLORS TO MATCH ADJACENT FLOORING. SUBMIT SAMPLE FOR APPROVAL.
- I. VERIFY GROUT AND MORTAR THICKNESS PER MANUFACTURER'S RECOMMENDATIONS.
- J. CORNER GUARDS TO BE SUPPLIED AND INSTALLED BY CONTRACTOR.
- K. IF EXISTING CORNER GUARDS ARE DAMAGED DURING CONSTRUCTION, REPLACE WITH NEW CORNER GUARDS.
- L. VERIFY ALL CORNER GUARD HEIGHTS. INSTALL CORNER GUARDS AT ALL EXPOSED OUTSIDE CORNERS OF GYPSUM BOARD WALLS. (UON)

Value	Keynote Text
7.01A	FLOOR EXPANSION JOINT COVER. SEE AE-501.
7.01B	WALL EXPANSION JOINT COVER. SEE AE-501.
7.15	REPLACE CONTROL JOINT.

ROOM FINISH SCHEDULE

RM #	ROOM NAME	FLOOR	BASE	WALLS (PLAN NORTH)				HORIZONTAL MILLWORK	CEILING	ID FINISH REMARKS
				NORTH	EAST	SOUTH	WEST			
120A	MECH PENTHOUSE	EY-1	EY-1	N/A	N/A	N/A	N/A	-	N/A	
B97	IT CLOSET	LVT-2	RB-1	P-1	P-1	P-1	P-1	-	-	
B99	MECHANICAL	LVT-2	RB-1	P-1	P-1	P-1	P-1	-	-	
C18	CORRIDOR	WSF-1, WSF-2	WSF-1 (4"), WSF-2 (4")	RWP-1, P-2	RWP-1, P-2	RWP-1, P-2	RWP-1, P-2	-	-	SEE FINISH PLAN FOR FLOOR PATTERN
C21	CORRIDOR	LVT-2	RWP-1, WVC-1	RWP-1, WVC-1	RWP-1, WVC-1	RWP-1, WVC-1	RWP-1, WVC-1	-	-	AT-1
D01	WAITING	CPT-1	RB-1	RWP-1, WVC-2	RWP-1, WVC-2	RWP-1, WVC-2	RWP-1, WVC-2	S-1	AT-1, GYP.	
D02	TLT	PT-1	PT-1	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	-	AT-2	WALL BASE TO BE CUT 6"X12"
D03	FLEX	WSF-1, WSF-2	PT-1, WSF-2	P-6, RWP-1	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	S-1	AT-1	SEE FINISH PLAN FOR FLOOR PATTERN
D03A	TLT	PT-1	PT-1	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	-	AT-2	WALL BASE TO BE CUT 6"X12"
D04	PATIENT ROOM	WSF-1, WSF-2	PT-1, WSF-2	P-6, RWP-1	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	S-1	AT-1	SEE FINISH PLAN FOR FLOOR PATTERN
D04A	TLT	PT-1	PT-1	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	-	AT-2	WALL BASE TO BE CUT 6"X12"
D05	PATIENT ROOM	WSF-1, WSF-2	PT-1, WSF-2	P-1, RWP-1	P-6, RWP-1	P-1, RWP-1	P-1, RWP-1	S-1	AT-1	SEE FINISH PLAN FOR FLOOR PATTERN
D05A	TLT	PT-1	PT-1	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	-	AT-2	WALL BASE TO BE CUT 6"X12"
D06	PATIENT ROOM	WSF-1, WSF-2	PT-1, WSF-2	P-6, RWP-1	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	S-1	AT-1	SEE FINISH PLAN FOR FLOOR PATTERN
D06A	TLT	PT-1	PT-1	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	-	AT-2	WALL BASE TO BE CUT 6"X12"
D07	NURSE STATIONS A	WSF-1	WSF-1 (4")	-	-	-	-	P-3	S-1	AT-1, GYP. SOFFIT P-3 ALL SIDES
D07A	NURSES	WSF-2	WSF-2 (4")	P-7	P-1	P-1	P-1	PL-1	AT-1	
D08	MEDS	WSF-2	WSF-2 (4")	P-1	P-1	P-1	P-1	PL-1	AT-1	
D09	PATIENT ROOM	WSF-1, WSF-2	WSF-1, WSF-2	P-6, RWP-1	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	S-1	AT-1	SEE FINISH PLAN FOR FLOOR PATTERN
D09A	TLT	PT-1	PT-1	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	-	AT-2	WALL BASE TO BE CUT 6"X12"
D10	NURSE STATIONS B	WSF-1	WSF-1 (4")	-	-	-	-	P-3	S-1	AT-1, GYP. SOFFIT P-3 ALL SIDES
D11	BARITRIC PATIENT ROOM	WSF-1, WSF-2	WSF-1, WSF-2	P-6, RWP-1	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	S-1	AT-1	SEE FINISH PLAN FOR FLOOR PATTERN
D11A	TLT	PT-1	PT-1	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	-	AT-2	WALL BASE TO BE CUT 6"X12"
D12	PATIENT ROOM	WSF-1, WSF-2	WSF-1, WSF-2	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	S-1	AT-1	SEE FINISH PLAN FOR FLOOR PATTERN
D12A	TLT	PT-1	PT-1	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	-	AT-2	WALL BASE TO BE CUT 6"X12"
D13	BARITRIC PATIENT ROOM	WSF-1, WSF-2	WSF-1, WSF-2	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	S-1	AT-1	SEE FINISH PLAN FOR FLOOR PATTERN
D13A	TLT	PT-1	PT-1	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	-	AT-2	WALL BASE TO BE CUT 6"X12"
D14	BARITRIC PATIENT ROOM	WSF-1, WSF-2	WSF-1, WSF-2	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	S-1	AT-1	SEE FINISH PLAN FOR FLOOR PATTERN
D14A	TLT	EY-1	EY-1	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	-	AT-2	WALL BASE TO BE CUT 6"X12"
D17	STAIR #4	EX	P-2	P-7	P-7	P-7	P-7	-	EX	CLEAN & RESEAL ALL TERRAZZO, NEW SAFETY TREADS G-4TH FLOOR
D18	DR WORK ROOM	CPT-1	RB-1	P-2	P-2	P-2	P-2	PL-1	AT-1	SEE FINISH PLAN FOR P-7 LOCATION
D18A	OFFICE	CPT-1	RB-1	P-2	P-2	P-2	P-2	-	AT-1	
D19	EMS	LVT-2	RB-1	P-2	P-6	P-2	P-2	-	AT-1	
D20	ELECTRICAL	EX	EX	EX	EX	EX	EX	-	EX	
D21	M STAFF TLT	PT-1	PT-1	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	-	AT-2	WALL BASE TO BE CUT 6"X12"
D22	W STAFF TLT	PT-1	PT-1	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	-	AT-2	WALL BASE TO BE CUT 6"X12"
D23	BREAK ROOM	LVT-1	RB-1	P-2	P-6	P-2	P-2	S-1	AT-1	
D23A	LOCKER ROOM	LVT-1	RB-1	P-2	P-6	P-2	P-2	-	AT-1	
D24	EQUIPMENT	LVT-2	RB-1	P-2, RWP-1	P-2, RWP-1	P-2, RWP-1	P-2, RWP-1	-	AT-1	
D25	PATIENT ROOM	WSF-1, WSF-2	WSF-1, WSF-2	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	S-1	AT-1	SEE FINISH PLAN FOR FLOOR PATTERN
D25A	TLT	EY-1	EY-1	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	-	AT-2	WALL BASE TO BE CUT 6"X12"
D26	CLEAN UTILITY	WSF-2	WSF-2 (4")	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	S-1	AT-1	SEE FINISH PLAN FOR FLOOR PATTERN
D27	PATIENT ROOM	WSF-1, WSF-2	WSF-1, WSF-2	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	S-1	AT-1	SEE FINISH PLAN FOR FLOOR PATTERN
D27A	TLT	EY-1	EY-1	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	-	AT-2	WALL BASE TO BE CUT 6"X12"
D28	SOILED UTILITY	WSF-2	WSF-2 (4")	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	S-1	AT-1	SEE FINISH PLAN FOR FLOOR PATTERN
D29	PATIENT ROOM	WSF-1, WSF-2	WSF-1, WSF-2	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	S-1	AT-1	SEE FINISH PLAN FOR FLOOR PATTERN
D29A	TLT	EY-1	EY-1	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	-	AT-2	WALL BASE TO BE CUT 6"X12"
D30	PATIENT ROOM	WSF-1, WSF-2	WSF-1, WSF-2	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	S-1	AT-1	SEE FINISH PLAN FOR FLOOR PATTERN
D30A	TLT	PT-1	PT-1	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	PT-2, PT-3	-	AT-2	WALL BASE TO BE CUT 6"X12"
D31	RECEPTION/COPY	CPT-1	RB-1	P-2	P-2	P-2	P-2	-	AT-1, GYP.	
D32	EXAM ROOM	WSF-1, WSF-2	WSF-1, WSF-2	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	S-1	AT-1	SEE FINISH PLAN FOR FLOOR PATTERN
D33	EXAM ROOM	WSF-1, WSF-2	WSF-1, WSF-2	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	S-1	AT-1	SEE FINISH PLAN FOR FLOOR PATTERN
D34	EXAM ROOM	WSF-1, WSF-2	WSF-1, WSF-2	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	P-1, RWP-1	S-1	AT-1	SEE FINISH PLAN FOR FLOOR PATTERN
D36	EQUIP. ALCOVE	WSF-2	WSF-2 (4")	P-2, RWP-1	P-2, RWP-1	P-2, RWP-1	P-2, RWP-1	-	AT-1	
Z1	CRASH CART	WSF-2	WSF-2 (4")	RWP-1	RWP-1	-	-	P-2	RWP-1 FULL HEIGHT OF CRASH ALCOVE	



- 1 PATCH TO MATCH AS DISTURBED BY CONSTRUCTION.
- 2 INSTALL RWP-1 ON ALL WALLS FROM 3" AFF UP TO 48" AFF. INSTALL HORIZONTAL TOP CAP BOARD WITH TOP AT 48" AFF.
- 3 CRASH GUARD TO BE INSTALLED ON ALL WALLS WITH BOTTOM AT 6" AFF. MECHANICALLY FASTEN TO WALLS PER INSTALLATION GUIDE; CAP HOLES WITH MATCHING WEATHER WOOD COLOR FASTENERS.
- 4 HANDRAILS TO BE INSTALLED WITH TOP AT 34" AFF.
- 5 PT-2 INSTALLED FULL HEIGHT ON ALL WALLS ABOVE 6" PT-1 OR 6" EPOXY COVE BASE. PT-3 ACCENT BAND TO BE INSTALLED FROM 4'-6" UP TO 4'-10" ON FULL PERIMETER OF ROOM.
- 6 FRP AROUND MOP SINK. SEE ELEVATIONS C28/C32AE-401.
- 7 P-2 FOR STAIR RISERS, HANDRAILS AND DOOR FRAMES. CLEAN AND SEAL ALL TERRAZZO AND INSTALL NEW SAFETY TREADS, ENTIRE STAIRWELL.
- 8 PATCH WALLS WHERE NECESSARY TO MATCH EXISTING FINISHES.
- 9 NURSE STATION AND RECEPTION WALLS TO BE HIWC-1. EXTENTS INDICATED BY - - - - -
- 10 SOFFITS TO BE PAINTED P-2
- 11 SEE DETAIL C2/AE-501 FOR TILE FLOOR. RECESS NEW CONCRETE SLAB ENTIRE ROOM TO ALLOW FOR SLOPED MORTAR BED TO SHOWER DRAIN.
- 12 SEE DETAILS A2, A3 & A5 FOR EPOXY FLOOR. PROVIDE SLOPE NOT GREATER THAN 1:48 FOR WSF TRANSITION UP TO RAISED EPOXY FLOOR TO ACCOMMODATE SLOPED FLOOR FOR SHOWER DRAIN.

PLAN TRUE
NORTH NORTH
F1 GROUND LEVEL FINISH PLAN
1/8" = 1'-0"

CONSULTANTS

MEDICAL PLANNER: BWBR, INC. 380 Saint Peter Street Suite 600 Saint Paul, MN 55112 Phone: 651-222-3701

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STONE GROUP ARCHITECTS

STAMP



Office of Construction and Facilities Management



Drawing Title
INTERIOR FINISHES

Approved:

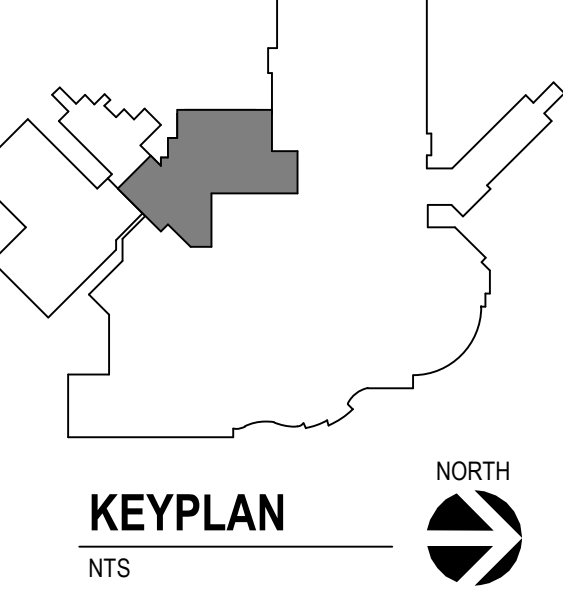
Phase
BID SET

Project Title
RENOVATE PREOPERATIVE CARE UNIT

Location
SIOUX FALLS, SOUTH DAKOTA

Issue Date 11/06/20
Checked TRS
Drawn DAN

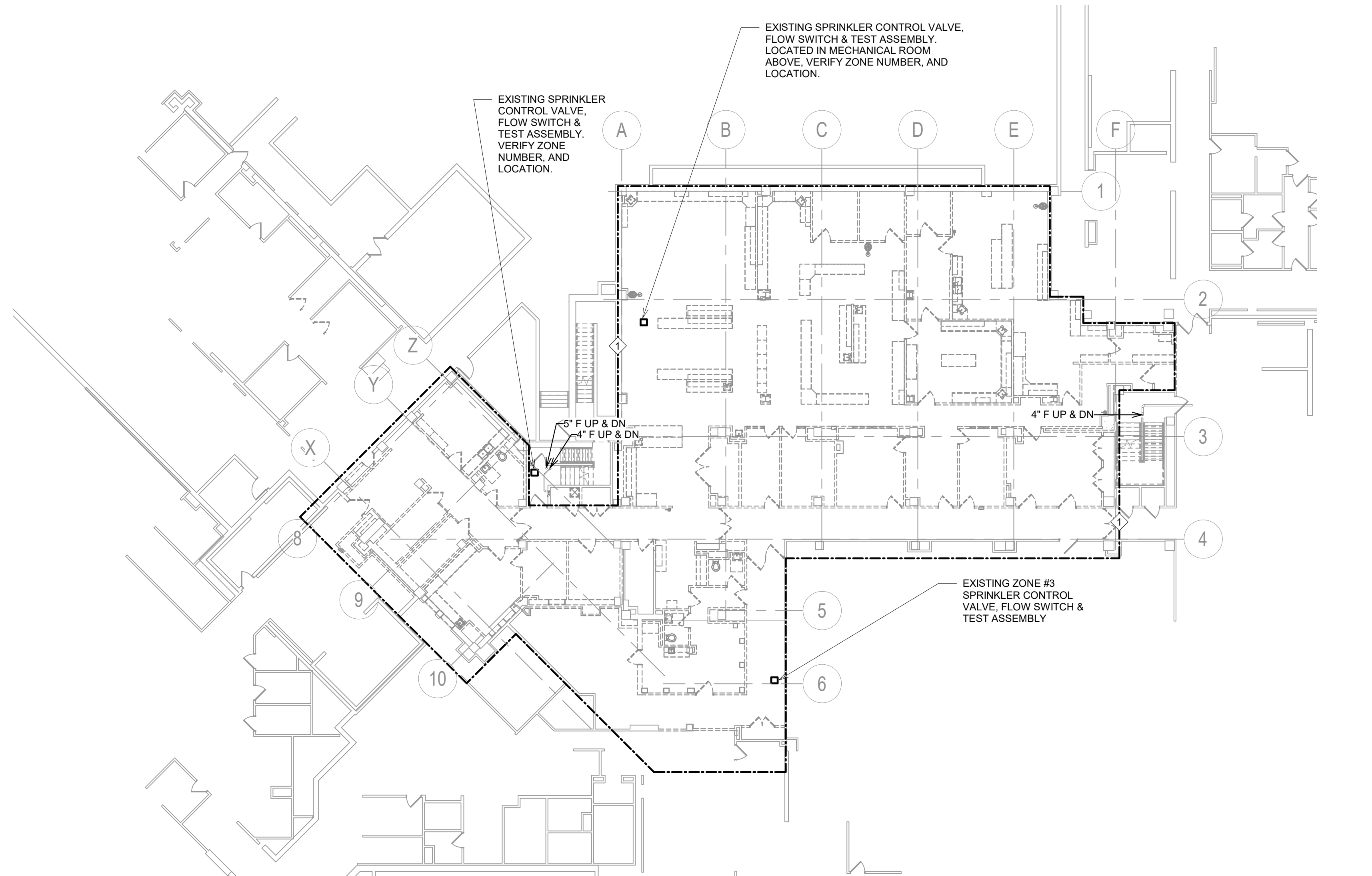
Project Number
VA #438-19-101
SGA #191910
Building Number
5
Drawing Number
AF-101



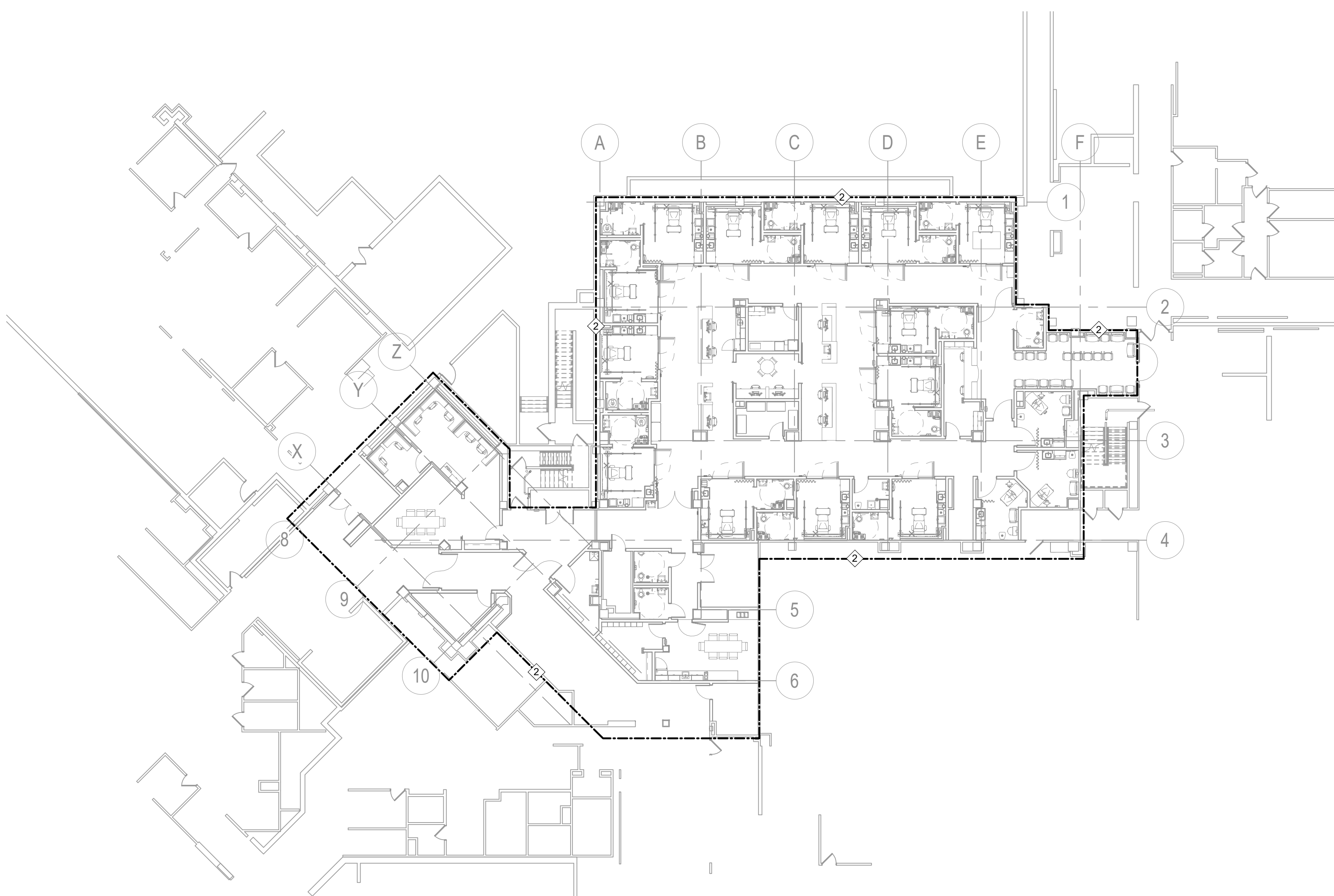
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three inches = one foot
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three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

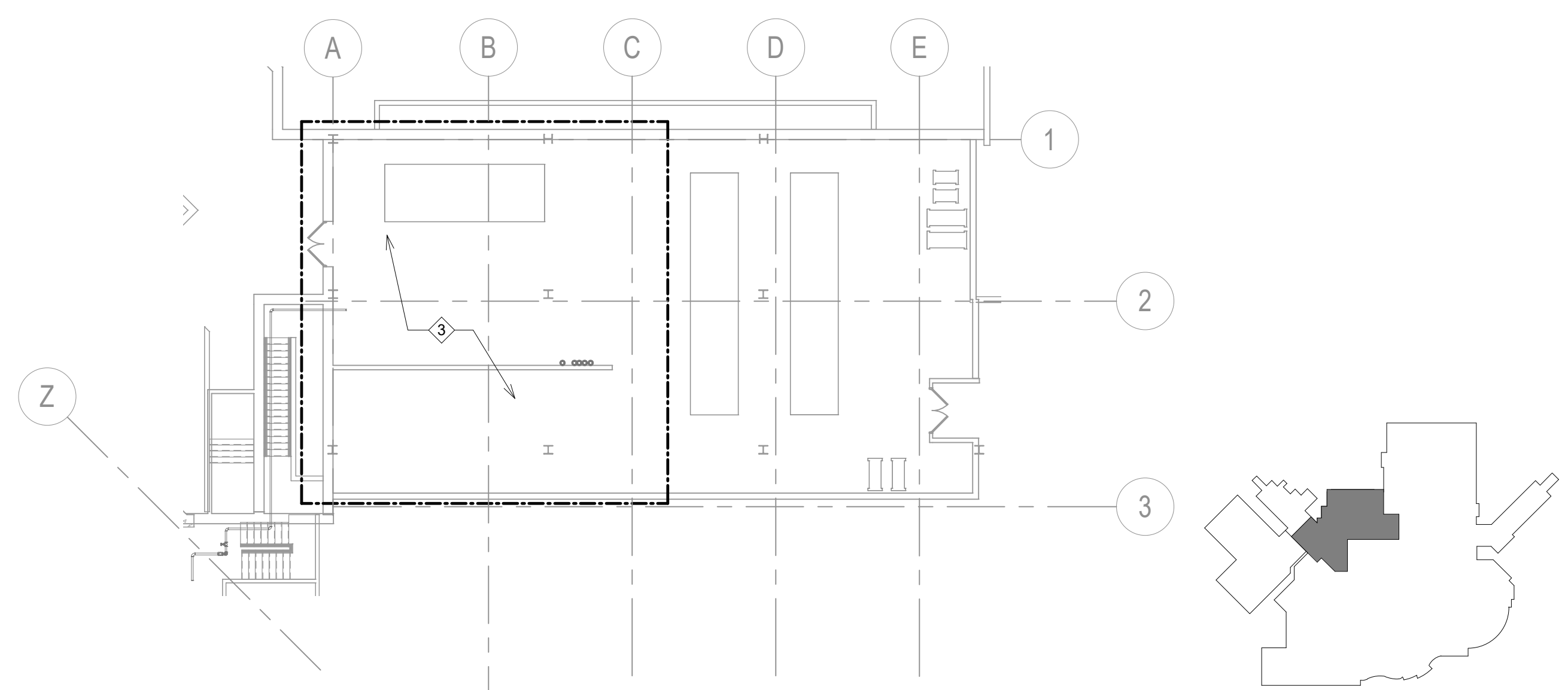
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1 GROUND FLOOR FIRE PROTECTION DEMOLITION PLAN
1/16" = 1'-0"



2 GROUND FLOOR FIRE PROTECTION PLAN
1/16" = 1'-0"



3 FIRST FLOOR INTERSTITIAL MECHANICAL ROOM FIRE PROTECTION PLAN
1/16" = 1'-0"

- KEY NOTES:**
- 1. WITHIN AREA OF PROJECT REMODEL BOUNDARY FULLY REMOVE ALL PIPING, BOTH SPRINKLER MAINS AND BRANCH PIPING TO ALL EXISTING SPRINKLERS. REPLACE WITH ALL NEW PIPING AND MAINS TO PROVIDE COVERAGE IN REMODELED AREA PER NFPA 13, THE OWNER'S INSURANCE UNDERWRITER, AND THE AUTHORITY HAVING JURISDICTION. COORDINATE NEW PIPING INSTALLATION WITH MECHANICAL AND ELECTRICAL SYSTEM INSTALLATIONS. CONTRACTOR MAY BE REQUIRED TO PROVIDE TEMPORARY PIPING TO KEEP ADJACENT AREAS IN SERVICE WHILE ALLOWING FOR COMPLETE DEMOLITION OF ALL SPRINKLER PIPING WITHIN THE PROJECT BOUNDARIES INDICATED. REFER TO GENERAL NOTES FOR FIRE WATCH REQUIREMENTS.
 - 2. REVIEW AND COORDINATE LAYOUT OF FIRE PROTECTION SYSTEM SEMI-RECESSED QUICK RESPONSE SPRINKLER HEADS WITH ARCHITECTURAL CEILING PLANS, LIGHTING, HVAC AND OTHER CEILING MOUNTED DEVICES. INTENT OF THIS PROJECT IS TO REPLACE ALL SPRINKLER PIPING MAINS AND BRANCHES WITHIN THE ENTIRE AREA INDICATED TO THE EXISTING ZONE VALVE. PROVIDE ALL HYDRAULIC CALCULATIONS ALONG WITH FIRE SPRINKLER DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO ORDERING MATERIALS OR PERFORMING ANY DEMOLITION EFFORTS. MODIFY SPRINKLER HEADS IN AREAS ADJACENT TO THE REMODEL AS REQUIRED TO PROVIDE NFPA 13 COMPLIANT COVERAGE DUE TO REVISED WALLS OR PARTITIONS.
 - 3. SPRINKLER BRANCH PIPING AND HEADS WILL REQUIRE MODIFICATION WITHIN AREA OF MECHANICAL ROOM INDICATED (APPROXIMATELY 2500 SQ. FT.). FIRE PROTECTION CONTRACTOR TO PROVIDE NEW UPRIGHT HEADS, WITH PROTECTIVE CAGES, AS REQUIRED TO PROVIDE FULL COVERAGE AROUND DUCTWORK, EQUIPMENT, AND PIPING OBSTRUCTIONS.
- INTERIM LIFE SAFETY (FIRE WATCH): NOTE THAT CONTRACTOR WILL BE RESPONSIBLE FOR ALL FIRE WATCH ACTIVITIES DURING ANY FIRE SPRINKLER OUTAGE. COORDINATE ANY OUTAGE WITH VA REPRESENTATIVE IN ADVANCE TO ARRANGE FOR ISOLATION OF ZONE AND ASSISTANCE IN DRAINING SYSTEM. EXTENDED OUTAGE DURATIONS BEYOND 1-DAY WILL NEED APPROVAL FROM VA FACILITIES AND INTERIM LIFE SAFETY MEASURES APPLIED AS REQUIRED. AREAS INSIDE CONSTRUCTION BOUNDARIES SHALL BE CONTINUALLY PROTECTED WITH TEMPORARY UPRIGHT SPRINKLER HEADS THAT ARE MODIFIED DURING CONSTRUCTION PHASES TO KEEP SPRINKLER COVERAGE ACTIVE THROUGHOUT ENTIRE CONSTRUCTION PROCESS.

- GENERAL NOTES:**
- A. FIRE PROTECTION CONTRACTOR TO PROVIDE FIRE PROTECTION COVERAGE TO COMPLY WITH THE NFPA 13 FOR A FULLY SPRINKLERED BUILDING.
 - B. UNLESS NOTED OTHERWISE, ALL SPRINKLER HEADS ARE TO BE QUICK RESPONSE.
 - C. FIRE PROTECTION CONTRACTOR TO PROVIDE HIGH TEMPERATURE HEADS AS REQUIRED BASED ON SPRINKLER HEAD LAYOUT AND ADJACENCIES TO EQUIPMENT PROVIDED BY OTHERS.
 - D. ALL AREAS WITH A SUSPENDED CEILING (GYP OR LAY-IN) ARE TO BE SEMI-RECESSED QUICK RESPONSE HEADS WITH CHROME FINISH AND ESCUTCHEON UNLESS SPECIFICALLY NOTED OTHERWISE.
 - E. FIRE PROTECTION CONTRACTOR SHALL COORDINATE PIPING ROUTING AND SPRINKLER HEAD LAYOUT.
 - F. THE FIRE PROTECTION CONTRACTOR WILL BE RESPONSIBLE FOR ANY GENERAL CONSTRUCTION WORK AS DIRECTLY IMPACTED BY THE SPRINKLER SYSTEM INSTALLATION. EXAMPLES OF WORK DIRECTLY TIED INTO THE FIRE PROTECTION CONTRACTORS WORK WOULD INCLUDE, BUT NOT LIMITED TO, FIRE SEALING OF ALL RATED WALL PENETRATIONS, CEILING ACCESS PANELS, ETC.
 - G. COORDINATE ALL NEW SPRINKLER PIPE ROUTING WITH OTHER TRADES TO INSURE ADEQUATE CLEARANCES FOR DUCTWORK, ELECTRICAL CONDUIT, STRUCTURAL SUPPORTS, PIPING, ETC. ANY UNAVOIDABLE CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER OF RECORD. PROVIDE ALL OFFSETS AND TRANSITIONS AS REQUIRED FOR A CLEAN INSTALLATION. ADDITIONAL COMPENSATION WILL NOT BE REWARDED DUE TO LACK OF COORDINATION WITH OTHER SUBCONTRACTORS.
 - H. SUPPORT ALL PIPING DIRECTLY TO STRUCTURE. DO NOT SUPPORT ANY PIPING FROM DUCTWORK, CONDUIT, OR OTHER PIPING ENCOUNTERED.
 - I. ALL PIPING ROUTED THROUGH FIRE RATED WALLS/FLOORS SHALL BE ADEQUATELY FIRE SEALED AS REQUIRED TO MAINTAIN THE LISTED WALL/FLOOR RATING.
 - J. ALL NEW SPRINKLER HEADS SHALL BE INSTALLED AT THE CENTER OF ALL LAY-IN CEILING TILES. COORDINATE WITH CEILING SUBCONTRACTOR AS REQUIRED. SPRINKLER HEADS IN GYPSUM CEILINGS SHALL BE ARRANGED IN AN ARCHITECTURALLY SYMMETRIC MANNER.
 - K. COORDINATE CLOSELY WITH ARCHITECTURAL CEILING PLANS TO PROVIDE FULL COVERAGE THROUGHOUT. VERIFY SOFFITS, COLUMNS, AND OTHER POTENTIAL OBSTRUCTIONS WHEN LAYING OUT SPRINKLER HEAD COVERAGE PLANS.
 - L. COORDINATE WITH PROJECT SPECIFICATIONS MANUAL AND DRAWING DETAILS FOR ADDITIONAL AUXILIARY DRAINS, MANUAL VENTS, INSPECTORS TEST STATIONS, AND OTHER REQUIRED PIPING COMPONENTS THAT MAY NOT BE INDICATED DIRECTLY ON THIS FLOOR PLAN DRAWING.
 - M. THE FIRE PROTECTION CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE AND PERFORM ALL TESTING OF PIPING SYSTEMS IN ACCORDANCE WITH NFPA GUIDELINES UPON COMPLETION OF WORK. SUBMIT FINAL TESTING REPORT TO THE LOCAL AUTHORITY HAVING JURISDICTION, ENGINEER, INSURANCE UNDERWRITER AND OWNER UPON COMPLETION.
 - N. THE FIRE PROTECTION CONTRACTOR WILL BE RESPONSIBLE TO PRODUCE HYDRAULICALLY CALCULATED SHOP DRAWINGS BASED ON THE PERFORMANCE SPECIFICATION LISTED ON THESE DRAWINGS AND SPECIFICATIONS. SUBMIT FINAL SHOP DRAWINGS TO THE LOCAL AUTHORITY HAVING JURISDICTION FOR FINAL APPROVAL PRIOR TO START OF ANY WORK OR PIPING FABRICATION. A FINAL RECORD DRAWING SET SHALL BE SUBMITTED PER SPECIFICATION REQUIREMENTS UPON COMPLETION OF PROJECT.
 - O. PROVIDE 175# PRESSURE RATED PIPING AND FITTINGS.
 - P. FIRE WATCH DURING HOURS OF CONSTRUCTION WILL BE THE RESPONSIBILITY OF THIS CONTRACT. ALL REMAINING HOURS WHEN SUBCONTRACTORS ARE NOT ON SITE SHALL BE SCHEDULED WITH THE VA TO HAVE THEIR INTERNAL STAFF PROVIDE FIRE WATCH MONITORING AND DOCUMENTATION.
 - Q. THE REMODELED AREAS SHALL BE PROVIDED WITH AN AUTOMATIC WET FIRE SPRINKLER SYSTEM SIZED IN ACCORDANCE WITH THE APPLICABLE NFPA STANDARDS AND SHALL PROVIDE 100 PERCENT PROTECTION UNLESS INDICATED OTHERWISE.
SPRINKLER SYSTEM DESIGN CRITERIA:
1. LIGHT HAZARD OCCUPANCY - PATIENT CARE, EXAM ROOMS, ADMINISTRATIVE AREAS, AND PUBLIC AREAS.
2. ORDINARY HAZARD 1 - MECHANICAL EQUIPMENT ROOMS AND INTERSTITIAL SPACES, TRANSFORMER ROOMS, ELECTRICAL SWITCHGEAR ROOMS, AND ELECTRICAL CLOSETS.
3. ORDINARY HAZARD 2 - STORAGE ROOMS, TRASH ROOMS, AND CLEAN AND SOILED LINEN ROOMS.
 - R. CONTRACTOR SHALL FIELD VERIFY THE ACCURACY OF THE SHOP DRAWINGS FOR EXISTING AREAS. CONTRACTOR SHALL OBTAIN A CURRENT HYDRANT FLOW TEST AND PERFORM HYDRAULIC CALCULATIONS, AND VERIFY EXACT LOCATION OF THE EXISTING OVERHEAD SYSTEM PRIOR TO DESIGN AND CONSTRUCTION.
 - S. CONTRACTOR SHALL PROVIDE UPRIGHT SPRINKLER HEADS WITHIN CONSTRUCTION LIMITS DURING CONSTRUCTION.
 - T. REFER TO DRAWING PP-111 FOR SPRINKLER WORK ASSOCIATED WITH THE MECHANICAL ROOM ON FIRST FLOOR ABOVE THE MAIN PROJECT AREA. ALL GENERAL NOTES ON THIS DRAWING ALSO WILL APPLY TO THAT DRAWING PP-111.



Revision#	Description	Date:

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STAMP

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 14944
JASON R. GOTTWALT
SOUTH DAKOTA

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

Drawing Title
GROUND LEVEL - FIRE PROTECTION PLANS

Approved:

Phase
BID SET

Project Title
RENOVATE PREOPERATIVE CARE UNIT

Location
SIOUX FALLS, SOUTH DAKOTA

Issue Date
11/06/20

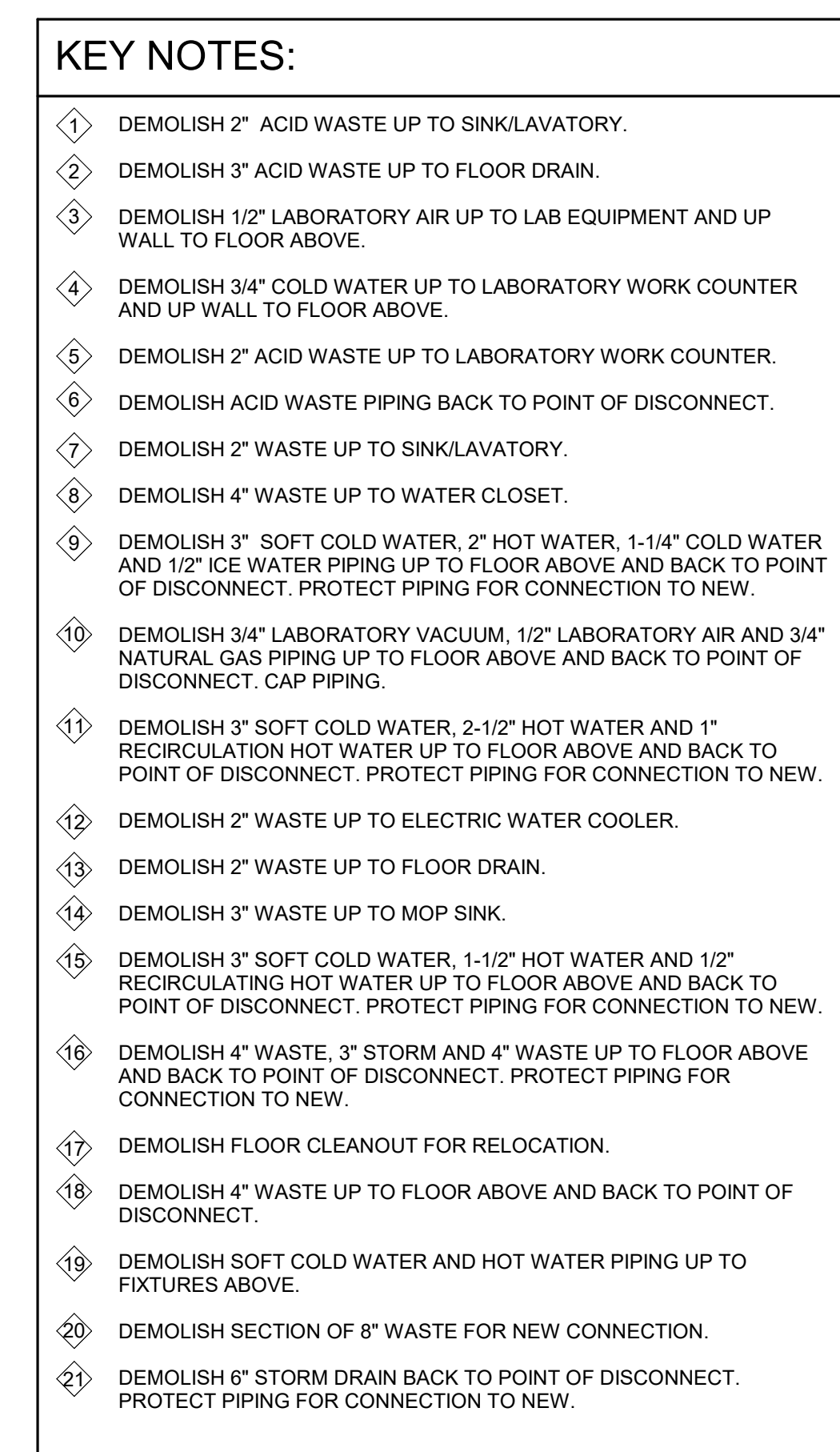
Checked
JRG

Drawn
TNH/JS

Project Number
**VA #438-19-101
SGA #191910**

Building Number
5

Drawing Number
FP-101

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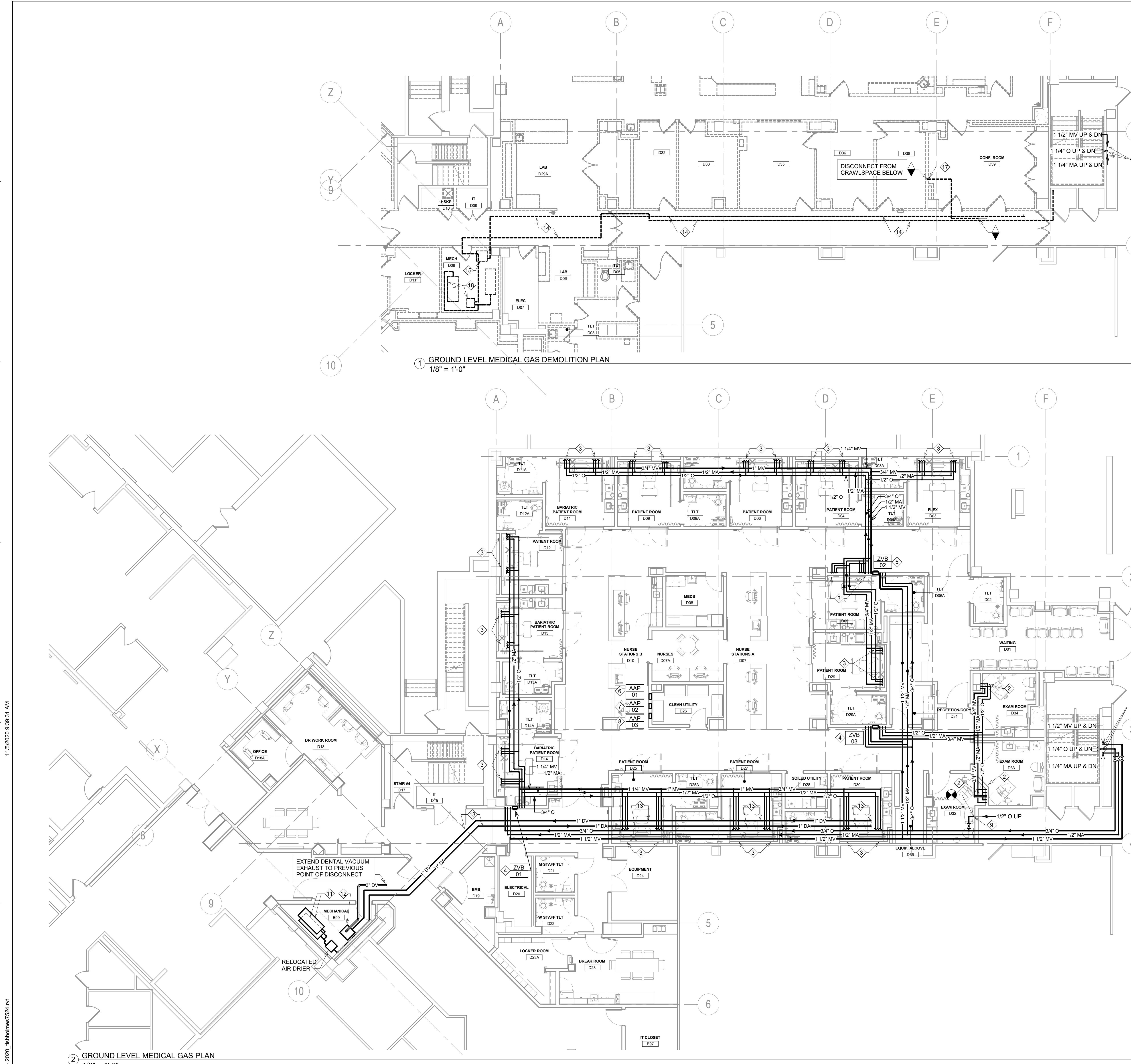


- A. MECHANICAL CONTRACTOR WILL BE RESPONSIBLE TO REVIEW ACCESSIBILITY TO AREAS OUTSIDE OF THE CONSTRUCTION LIMITS TO DETERMINE APPROXIMATE AMOUNT OF OVERTIME REQUIRED TO PROTECT ALL MECHANICAL EQUIPMENT. COORDINATION OF SCHEDULES WITH ADJACENT DEPARTMENTS AND CLEANING OF ALL DEBRIS AFTER EACH WORK SHIFT SHOULD BE ASSUMED IN THE BASE BID PRICE.
- B. ANY MAJOR OUTAGES INDICATED ON THESE DRAWINGS SHALL BE SCHEDULED TO BE PERFORMED AFTER NORMAL BUSINESS HOURS OR DURING WEEKEND PERIODS TO MINIMIZE DISRUPTION.
- C. WHERE PLUMBING SYSTEMS TO REMAIN ARE DAMAGED, OR DISTURBED, DURING THE COURSE OF CONSTRUCTION THE CONTRACTOR WILL BE RESPONSIBLE TO REMOVE DAMAGED PORTIONS AND INSTALL NEW PRODUCTS OF EQUAL QUALITY AND FUNCTIONALITY.
- D. ALL CORE DRILLING OR ANY ACTIVITIES CAUSING EXTREME VIBRATION OR NOISE SHALL BE COORDINATED TO BE PERFORMED AFTER NORMAL HOURS TO AVOID DISRUPTION OF FUNCTIONS WITHIN ADJACENT AREAS. COORDINATE WITH HOSPITAL REPRESENTATIVE AS REQUIRED.
- E. WORK AFFECTING CRITICAL AREAS THAT MAY BE ADVERSELY IMPACTED BY NOISE OR VIBRATIONS MAY BE REQUESTED TO BE PERFORMED AFTER NORMAL HOURS TO AVOID DISRUPTION OF FUNCTIONS. CONTRACTOR TO NOTE THAT ANY AREA OUTSIDE THE CONSTRUCTION LIMITS SHALL BE CLEANED TO THEIR ORIGINAL CONDITION AT THE COMPLETION OF EACH WORK TASK TO FIXTURES THAT MAY NOT BE IDENTIFIED ON PLANS PRIOR TO SERVICE OUTAGES, DEMOLITION, OR ALTERATIONS OF EXISTING PIPE ROUTINGS. COORDINATE UNKNOWN RISKS WITH HOSPITAL FACILITIES AND ENGINEER OF RECORD.
- F. THE MECHANICAL CONTRACTOR SHALL MAINTAIN ACCURATE RECORD DRAWINGS SHOWING ALL DISCREPANCIES WITH ANY EXISTING PIPING INDICATED OR REVISIONS TO THE NEW PLUMBING LAYOUTS. ALL CHANGES WILL BE UPDATED WITHIN THE FINAL RECORD DRAWING SET.
- G. EXISTING STORM AND WASTE PIPING TO REMAIN UNLESS NOTED OTHERWISE.

- ① DEMOLISH SINK/LAVATORY.
- ② DEMOLISH WATER CLOSSET.
- ③ DEMOLISH FLOOR DRAIN.
- ④ DEMOLISH EMERGENCY SHOWER AND FLOOR DRAIN.
- ⑤ DEMOLISH 3" SOFT COLD WATER, 2" HOT WATER, 1-1/4" COLD WATER AND 1/2" ICE WATER PIPING BACK TO POINT OF DISCONNECT AND DOWN TO TUNNEL BELOW. PROTECT PIPING FOR CONNECTION TO NEW.
- ⑥ DEMOLISH 3/4" LABORATORY VACUUM, 1/2" LABORATORY AIR AND 3/4" NATURAL GAS PIPING DOWN TO TUNNEL BELOW.
- ⑦ DEMOLISH 3" SOFT COLD WATER, 2-1/2" HOT WATER AND 1" RECIRCULATION HOT WATER DOWN TO TUNNEL BELOW.
- ⑧ DEMOLISH FLOOR CLEANOUT.
- ⑨ PROVIDE TEMPORARY PIPING TO SERVE FLOORS ABOVE DURING DEMOLITION.
- ⑩ DOMESTIC WATER FOR FIXTURE IS SERVED FROM BELOW. CAP AT MAIN.
- ⑪ REMOVE AND STORE EXISTING DENTAL AIR COMPRESSORS, AIR DRYER, FILTERS, AND PIPING COMPONENTS FOR RELOCATION.
- ⑫ DEMOLISH 3/4" DISTILLED WATER BACK TO EDGE OF PROJECT LIMITS AND RECONNECT LOOP AT THAT LOCATION (VERIFY AND MATCH EXISTING PIPE LOOP MATERIAL/SIZE). COORDINATE WITH VA IF THEY WOULD LIKE TO DRAIN AND DECOMMISSION THE CENTRAL SYSTEM OR SIMPLY FLUSH AND REFILL FOR POTENTIAL LINE IN OTHER AREAS.
- ⑬ DEMOLISH 4" WASTE, 3" STORM AND 4" WASTE PIPING RISERS FOR RELOCATION TO NEW PLUMBING CHASE.
- ⑭ DEMOLISH 3" SOFT COLD WATER, 1-1/2" HOT WATER AND 1/2" RECIRCULATING HOT WATER PIPING RISERS FOR RELOCATION TO NEW PLUMBING CHASE.
- ⑮ DEMOLISH MOP SINK.
- ⑯ DEMOLISH 3" STORM DRAIN FROM POINT OF DISCONNECT DOWN. PROTECT PIPING FOR CONNECTION TO NEW.
- ⑰ REMOVE EXISTING DINK FIXTURE AND ASSOCIATED OTHER PIPING ROUGH-INS AND EQUIPMENT IN THIS IMMEDIATE AREA.
- ⑱ DEDUCT ALTERNATE - DEMOLISH 3" COLD WATER, 2" HOT WATER, 1-1/4" COLD WATER AND 1/2" ICE WATER BACK TO POINT OF DISCONNECT. PROTECT PIPING TO REMAIN FOR CONNECTION TO NEW.
- ⑳ RELOCATE EXISTING PNEUMATIC AIR CONTROL PIPING THROUGH PROJECT AREA. ALL RELATED PNEUMATIC TUBING NOT DIRECTLY SHOWN ON THESE DRAWINGS SHALL BE FULLY REMOVED AND NOT LEFT ABANDONED IF WITHIN CONSTRUCTION BOUNDARIES. FIELD REMOVE ALL EQUIPMENT CURRENTLY IMPACTED BY RELOCATION OF THIS PNEUMATIC MAIN PRIOR TO DISCONNECT/RECONNECT.

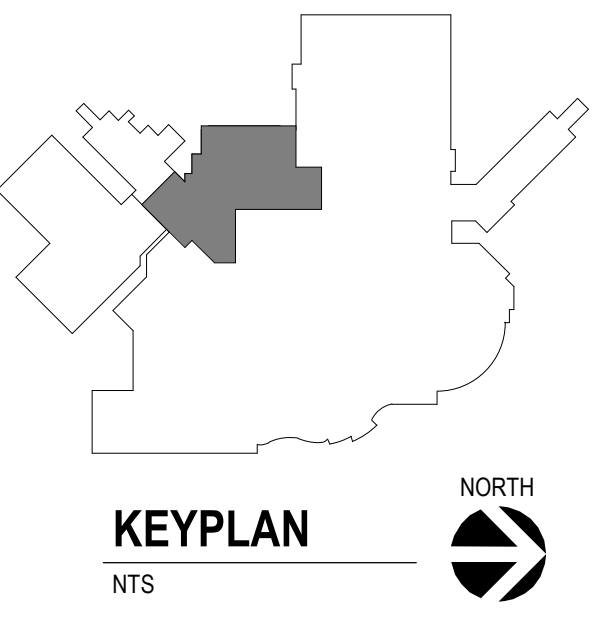
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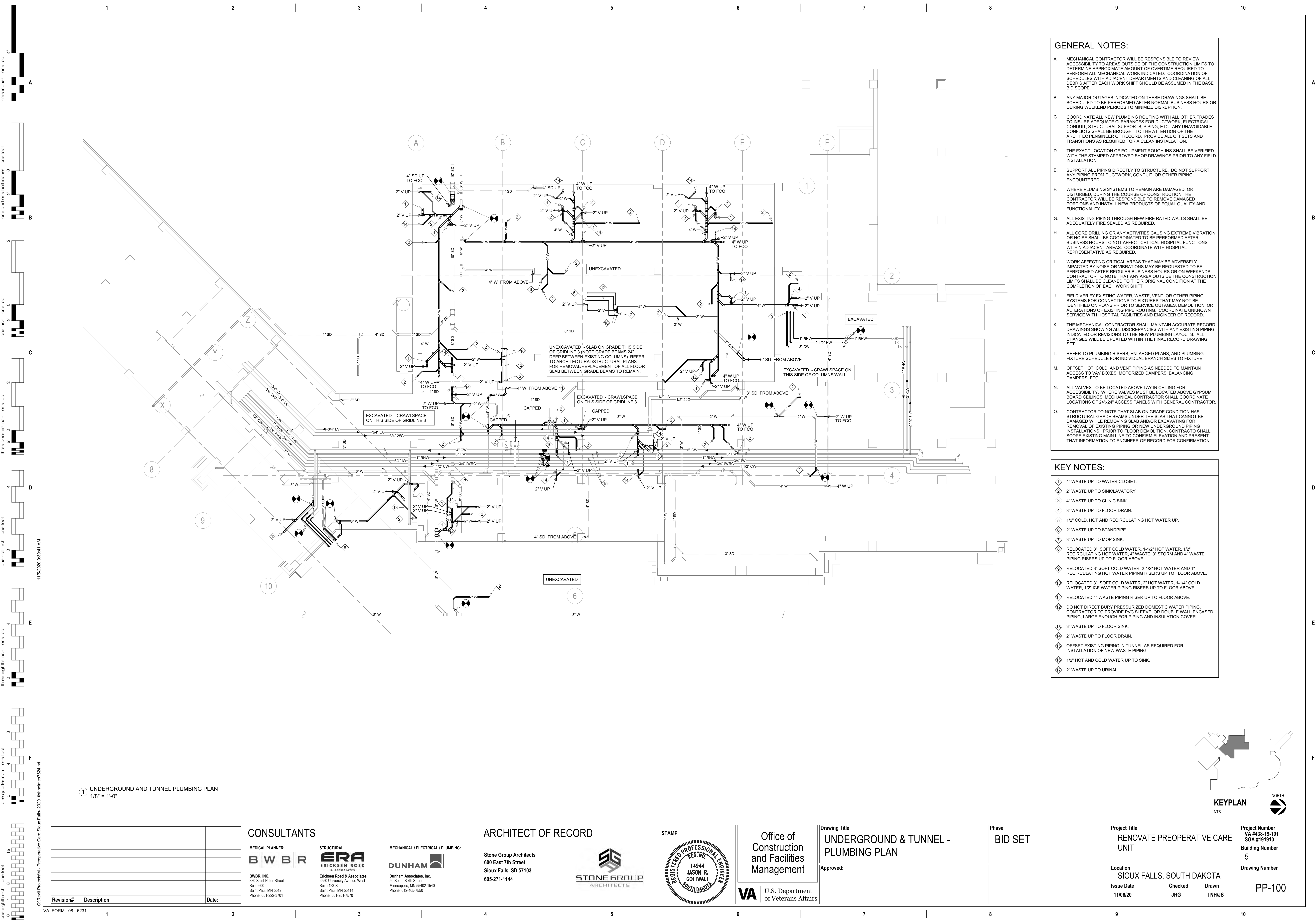


- GENERAL NOTES:**
- A. MECHANICAL CONTRACTOR WILL BE RESPONSIBLE TO REVIEW ACCESSIBILITY TO AREAS OUTSIDE THE CONSTRUCTION LIMITS TO DETERMINE APPROXIMATE AMOUNT OF OVERTIME REQUIRED TO PERFORM ALL MECHANICAL WORK INDICATED. COORDINATION OF SCHEDULES WITH ADJACENT DEPARTMENTS AND CLEANINGS OF ALL DEBRIS AFTER EACH WORK SHIFT SHOULD BE ASSUMED IN THE BASE BID SCOPE.
 - B. ANY MAJOR OUTAGES INDICATED ON THESE DRAWINGS SHALL BE SCHEDULED TO BE PERFORMED AFTER NORMAL BUSINESS HOURS OR DURING WEEKEND PERIODS TO MINIMIZE HOSPITAL DISRUPTION.
 - C. COORDINATE ALL NEW PIPING ROUTING WITH ALL OTHER TRADES TO INSURE ADEQUATE CLEARANCES FOR DUCTWORK, ELECTRICAL CONDUIT, STRUCTURAL SUPPORTS, PIPING, ETC. ANY UNAVOIDABLE CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER OF RECORD. PROVIDE ALL OFFSETS AND TRANSITIONS AS REQUIRED FOR A CLEAN INSTALLATION.
 - D. THE EXACT LOCATION OF EQUIPMENT ROUGH-INS SHALL BE VERIFIED WITH THE STAMPED APPROVED SHOP DRAWINGS PRIOR TO ANY FIELD INSTALLATION.
 - E. SUPPORT ALL PIPING DIRECTLY TO STRUCTURE. DO NOT SUPPORT ANY PIPING FROM DUCTWORK, CONDUIT, OR OTHER PIPING ENCOUNTERED.
 - F. WHERE MECHANICAL SYSTEMS TO REMAIN ARE DAMAGED, OR DISTURBED, DURING THE COURSE OF CONSTRUCTION THE CONTRACTOR WILL BE RESPONSIBLE TO REMOVE DAMAGED PORTIONS AND INSTALL NEW PRODUCTS OF EQUAL QUALITY AND FUNCTIONALITY.
 - G. ALL EXISTING PIPING THROUGH NEW FIRE RATED WALLS SHALL BE ADEQUATELY FIRE SEALED AS REQUIRED. PIPING PENETRATIONS THROUGH INTERSTITIAL FLOOR SHALL BE DRILLED, OR CUT, BY THE CONTRACTOR AND FIRE SEALED AS REQUIRED.
 - H. THE MECHANICAL CONTRACTOR SHALL MAINTAIN ACCURATE RECORD DRAWINGS SHOWING ALL DISCREPANCIES WITH ANY EXISTING PIPING INDICATED OR REVISIONS TO THE NEW PLUMBING LAYOUTS. ALL CHANGES WILL BE UPDATED WITHIN THE FINAL RECORD DRAWING SET.
 - I. ALL MEDICAL GAS PIPE BRANCHES AND TAKE-OFFS TO COME OFF TOP OF PIPE MAIN.
 - J. ALL MEDICAL GAS PIPING MINIMUM SIZES TO BE 1/2" WITH THE EXCEPTION OF MEDICAL VACUUM. MINIMUM MEDICAL VACUUM PIPE SIZE TO BE 3/4".
 - K. POWER TO AREA ALARM PANELS AND ALARMS ARE TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR. ALL LOW VOLTAGE WIRING TO BE PROVIDED BY THE MECHANICAL CONTRACTOR.
 - L. ALL CONTRACTORS TO REFERENCE THE INFECTION CONTROL NOTES IDENTIFIED WITHIN THE VENTILATION GENERAL NOTES ON THESE DRAWINGS. CONFORM TO ALL ICRA REQUIREMENTS.

- KEY NOTES:**
- 1 DEMOLISH 1-1/4" OXYGEN PIPE LOCATED IN EXISTING WALL DOWN TO TUNNEL CAP AT MAIN.
 - 2 ROUTE 3/4" MEDICAL VACUUM, 1/2" MEDICAL AIR AND 1/2" OXYGEN DOWN WALL. PROVIDE ONE (1) MEDICAL VACUUM WITH SLIDE RAIL, ONE (1) MEDICAL AIR AND ONE (1) OXYGEN WALL OUTLET. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR HEIGHT, ARRANGEMENT AND EXACT LOCATION.
 - 3 ROUTE 3/4" MEDICAL VACUUM, 1/2" MEDICAL AIR AND 1/2" OXYGEN TO PREMANUFACTURED HEADWALL UNIT. COORDINATE FINAL CONNECTION AND CERTIFICATION WITH HEADWALL INSTALLATION.
 - 4 ROUTE 3/4" MEDICAL VACUUM, 1/2" MEDICAL AIR AND 1/2" OXYGEN DOWN WALL TO ZONE VALVE BOX.
 - 5 ROUTE 1-1/2" MEDICAL VACUUM, 1/2" MEDICAL AIR AND 3/4" OXYGEN DOWN WALL TO ZONE VALVE BOX.
 - 6 AREA ALARM PANEL (AAP-01) SERVES ZONE VALVE BOX (ZVB-01). CLEARLY INDICATE THE 6 PATIENT ROOMS SERVED ON TYPED LABEL. INCLUDE ALL LOW VOLTAGE WIRING TO REMOTE PRESSURE/SUCTION SENSORS. REFER TO ELECTRICAL PROVIDING POWER CONNECTION TO LIFE SAFETY CIRCUIT.
 - 7 AREA ALARM PANEL (AAP-02) SERVES ZONE VALVE BOX (ZVB-02). CLEARLY INDICATE THE 7 PATIENT ROOMS SERVED ON TYPED LABEL. INCLUDE ALL LOW VOLTAGE WIRING TO REMOTE PRESSURE/SUCTION SENSORS. REFER TO ELECTRICAL PROVIDING POWER CONNECTION TO LIFE SAFETY CIRCUIT.
 - 8 AREA ALARM PANEL (AAP-03) SERVES ZONE VALVE BOX (ZVB-03). CLEARLY INDICATE THE 3 EXAM ROOMS SERVED ON TYPED LABEL. INCLUDE ALL LOW VOLTAGE WIRING TO REMOTE PRESSURE/SUCTION SENSORS. REFER TO ELECTRICAL PROVIDING POWER CONNECTION TO LIFE SAFETY CIRCUIT.
 - 9 RECONNECT TO OXYGEN SERVICE PIPING ROUTED TO FLOOR ABOVE. INSTALL PIPING REDUCER AT POINT OF CONNECTION.
 - 10 CONNECT 1-1/2" MEDICAL VACUUM, 1/2" MEDICAL AIR AND 3/4" OXYGEN PIPE TO EXISTING 1-1/2" MEDICAL VACUUM, 1-1/4" MEDICAL AIR AND 1-1/4" OXYGEN RISERS. COORDINATE MEDICAL GAS OUTAGE AND RECERTIFICATION TO ALL AFFECTED FLOORS ABOVE AND PROVIDE LOCKABLE VALVES IN ACCESSIBLE LOCATION.
 - 11 REINSTALL DENTAL AIR COMPRESSORS THAT WERE RELOCATED FROM PREVIOUSLY DEMOLISHED MECHANICAL ROOM. CONTRACTOR TO PROVIDE UNISTRUT STAND TO MOUNT COMPRESSORS IN A STACKED ORIENTATION WERE INDICATED. RECONNECT ALL PIPING TO ADJACENT RELOCATED AIR DRIER AND PROVIDE NEW ISOLATION VALVES AND GAUGES.
 - 12 REINSTALL DENTAL SUCTION PUMPS THAT WERE RELOCATED FROM PREVIOUSLY DEMOLISHED MECHANICAL ROOM. CONTRACTOR TO PROVIDE UNISTRUT STAND TO MOUNT COMPRESSORS IN A STACKED ORIENTATION WERE INDICATED. RECONNECT ALL PIPING TO ADJACENT RELOCATED AIR DRIER AND PROVIDE NEW ISOLATION VALVES AND GAUGES.
 - 13 REINSTALL ALL DENTAL AIR AND SUCTION PIPING HIGH WITHIN CEILING PLENUM TO ALLOW SPACE FOR NEW MECHANICAL SYSTEM INSTALLATIONS. CONTRACTOR SHALL NOTE ALL POINTS OF DISCONNECTS TO DENTAL CHAIRS ON FLOOR ABOVE (APPROX 12 LOCATIONS) AND RECONNECT TO NEW PIPING MAINS AS REQUIRED. UPDATE AS-BUILT DRAWINGS WITH REDLINES TO SUBMIT TO ENGINEER TO INCORPORATE TO FINAL RECORD SET.
 - 14 REMOVE ALL DENTAL AIR AND VACUUM (SUCTION) PIPING. REMOVE ALL BRANCH PIPING. NOT DIRECTLY SHOWN ON THESE DRAWINGS, TO POINT OF DISCONNECT JUST BELOW FLOOR WHERE IT PENETRATES UP TO DENTAL CHAIRS ON FLOOR LEVEL ABOVE. CONTRACTOR TO LABEL SERVICES AT DISCONNECT POINTS AND RECONNECT TO NEW AIR AND VACUUM PIPING INDICATED. PROVIDE REDLINES FOR AS-BUILT DRAWINGS AS NECESSARY.
 - 15 REMOVE EXISTING DENTAL VACUUM (SUCTION) PUMP ALONG WITH EXHAUST PIPING AS REQUIRED. REFER TO KEY NOTE 18 ABOVE FOR ROUGH-IN PREPARATION AT NEW LOCATION. COORDINATE OUTAGE WITH VA AS REQUIRED.
 - 16 PARTIAL DEMOLITION OF SHAFT/CHASE WALL TO ACCESS MEDICAL GAS RISERS ABOVE CEILING LEVEL. PREP THE EXISTING 1-1/2" MEDICAL VACUUM, 1-1/4" MEDICAL AIR AND 1-1/4" OXYGEN PIPE RISERS FOR CONNECTION TO NEW TEES. SEE MEDICAL GAS PIPING PLAN FOR OUTAGE REQUIREMENTS.
 - 17 EXISTING 1-1/4" RISER TO BE REMOVED COMPLETELY TO VALVE WITHIN CRAWLSPACE BELOW AND CAP. COORDINATE RECONNECTION TO OXYGEN SERVICE PIPING ROUTED TO FLOOR ABOVE AND RECERTIFY ALL AFFECTED AREAS AS REQUIRED.
 - 18 REMOVE EXISTING DENTAL AIR COMPRESSORS AND ASSOCIATED DRIER AND COMPONENTS. SAVE EQUIPMENT TO BE RELOCATED TO NEW MECHANICAL ROOM INDICATED. COORDINATE ALL PIPING AND POWER CONNECTIONS TO BE READY IN ADVANCE TO MAKE OUTAGE DURING SWITCHOVER A SHORT DURATION. COORDINATE WITH VA TO SCHEDULE OUTAGE AS REQUIRED.

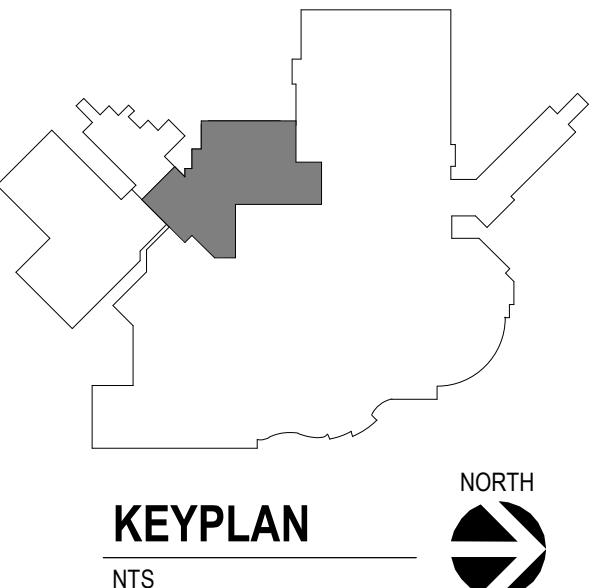


CONSULTANTS			ARCHITECT OF RECORD			Office of Construction and Facilities Management		Drawing Title GROUND LEVEL - MEDICAL GAS PLAN		Phase BID SET		Project Title RENOVATE PREOPERATIVE CARE UNIT		Project Number VA #438-19-101 SGA #191910	
MEDICAL PLANNER: BWBR BWBR, INC. 380 Saint Peter Street Suite 600 Saint Paul, MN 55102 Phone: 651-222-3701			STRUCTURAL: ERA ERICKSEN ROED & ASSOCIATES Ericksen Roed & Associates 2550 University Avenue West Suite 423-S Saint Paul, MN 55114 Phone: 651-251-7570			MECHANICAL / ELECTRICAL / PLUMBING: DUNHAM Dunham Associates, Inc. 90 South Sixth Street Minneapolis, MN 55402-1540 Phone: 612-465-7550		Stone Group Architects 600 East 7th Street Sioux Falls, SD 57103 605-271-1144		STAMP REGISTERED PROFESSIONAL ENGINEER REG. NO. 14944 JASON R. GOTTMALT SOUTH DAKOTA		Approved:		Location SIOUX FALLS, SOUTH DAKOTA	
Revision# Description Date:												Issue Date 11/06/20		Checked JRG	
												Drawn TNH/JS			
														Drawing Number PG-101	



- GENERAL NOTES:**
 - A. MECHANICAL CONTRACTOR WILL BE RESPONSIBLE TO REVIEW ACCESSIBILITY TO AREAS OUTSIDE OF THE CONSTRUCTION LIMITS TO DETERMINE APPROXIMATE AMOUNT OF OVERTIME REQUIRED TO PERFORM ALL MECHANICAL WORK INDICATED. COORDINATION OF SCHEDULES WITH ADJACENT DEPARTMENTS AND CLEANING OF ALL DEBRIS AFTER EACH WORK SHIFT SHOULD BE ASSUMED IN THE BASE BID SCOPE.
 - B. ANY MAJOR OUTAGES INDICATED ON THESE DRAWINGS SHALL BE SCHEDULED TO BE PERFORMED AFTER NORMAL BUSINESS HOURS OR DURING WEEKEND PERIODS TO MINIMIZE DISRUPTION.
 - C. COORDINATE ALL NEW PLUMBING ROUTING WITH ALL OTHER TRADES TO INSURE ADEQUATE CLEARANCES FOR DUCTWORK, ELECTRICAL CONDUIT, STRUCTURAL SUPPORTS, PIPING, ETC. ANY UNAVOIDABLE CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER OF RECORD. PROVIDE ALL OFFSETS AND TRANSITIONS AS REQUIRED FOR A CLEAN INSTALLATION.
 - D. THE EXACT LOCATION OF EQUIPMENT ROUGH-INS SHALL BE VERIFIED WITH THE STAMPED APPROVED SHOP DRAWINGS PRIOR TO ANY FIELD INSTALLATION.
 - E. SUPPORT ALL PIPING DIRECTLY TO STRUCTURE. DO NOT SUPPORT ANY PIPING FROM DUCTWORK, CONDUIT, OR OTHER PIPING ENCOUNTERED.
 - F. WHERE PLUMBING SYSTEMS TO REMAIN ARE DAMAGED, OR DISTURBED, DURING THE COURSE OF CONSTRUCTION THE CONTRACTOR WILL BE RESPONSIBLE TO REMOVE DAMAGED PORTIONS AND INSTALL NEW PRODUCTS OF EQUAL QUALITY AND FUNCTIONALITY.
 - G. ALL EXISTING PIPING THROUGH NEW FIRE RATED WALLS SHALL BE ADEQUATELY FIRE SEALED AS REQUIRED.
 - H. ALL CORE DRILLING OR ANY ACTIVITIES CAUSING EXTREME VIBRATION OR NOISE SHALL BE COORDINATED TO BE PERFORMED AFTER BUSINESS HOURS TO NOT AFFECT CRITICAL HOSPITAL FUNCTIONS WITHIN ADJACENT AREAS. COORDINATE WITH HOSPITAL REPRESENTATIVE AS REQUIRED.
 - I. WORK AFFECTING CRITICAL AREAS THAT MAY BE ADVERSELY IMPACTED BY NOISE OR VIBRATIONS MAY BE REQUESTED TO BE PERFORMED AFTER REGULAR BUSINESS HOURS OR ON WEEKENDS. CONTRACTOR TO NOTE THAT ANY AREA OUTSIDE THE CONSTRUCTION LIMITS SHALL BE CLEANED TO THEIR ORIGINAL CONDITION AT THE COMPLETION OF EACH WORK SHIFT.
 - J. FIELD VERIFY EXISTING WATER, WASTE, VENT, OR OTHER PIPING SYSTEMS FOR CONNECTIONS TO FIXTURES THAT MAY NOT BE IDENTIFIED ON PLANS PRIOR TO SERVICE OUTAGES, DEMOLITION, OR ALTERATIONS OF EXISTING PIPE ROUTING. COORDINATE UNKNOWN SERVICE WITH HOSPITAL FACILITIES AND ENGINEER OF RECORD.
 - K. THE MECHANICAL CONTRACTOR SHALL MAINTAIN ACCURATE RECORD DRAWINGS SHOWING ALL DISCREPANCIES WITH ANY EXISTING PIPING INDICATED OR REVISIONS TO THE NEW PLUMBING LAYOUTS. ALL CHANGES WILL BE UPDATED WITHIN THE FINAL RECORD DRAWING SET.
 - L. REFER TO PLUMBING RISERS, ENLARGED PLANS, AND PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL BRANCH SIZES TO FIXTURE.
 - M. OFFSET HOT, COLD, AND VENT PIPING AS NEEDED TO MAINTAIN ACCESS TO VAV BOXES, MOTORIZED DAMPERS, BALANCING DAMPERS, ETC.
 - N. ALL VALVES TO BE LOCATED ABOVE LAY-IN CEILING FOR ACCESSIBILITY. WHERE VALVES MUST BE LOCATED ABOVE GYPSUM BOARD CEILINGS, MECHANICAL CONTRACTOR SHALL COORDINATE LOCATIONS OF 24"x24" ACCESS PANELS WITH GENERAL CONTRACTOR.
 - O. CONTRACTOR TO NOTE THAT SLAB ON GRADE CONDITION HAS STRUCTURAL GRADE BEAMS UNDER THE SLAB THAT CANNOT BE DAMAGED WHILE REMOVING SLAB AND/OR EXCAVATING FOR REMOVAL OF EXISTING PIPING OR NEW UNDERGROUND PIPING INSTALLATIONS. PRIOR TO FLOOR DEMOLITION, CONTRACTOR SHALL SCOPE EXISTING MAIN LINE TO CONFIRM ELEVATION AND PRESENT THAT INFORMATION TO ENGINEER OF RECORD FOR CONFIRMATION.
- KEY NOTES:**
 - ① 4" WASTE UP TO WATER CLOSET.
 - ② 2" WASTE UP TO SINK/LAVATORY.
 - ③ 4" WASTE UP TO CLINIC SINK.
 - ④ 3" WASTE UP TO FLOOR DRAIN.
 - ⑤ 1/2" COLD, HOT AND RECIRCULATING HOT WATER UP.
 - ⑥ 2" WASTE UP TO STANDPIPE.
 - ⑦ 3" WASTE UP TO MOP SINK.
 - ⑧ RELOCATED 3" SOFT COLD WATER, 1-1/2" HOT WATER, 1/2" RECIRCULATING HOT WATER, 4" WASTE, 3" STORM AND 4" WASTE PIPING RISERS UP TO FLOOR ABOVE.
 - ⑨ RELOCATED 3" SOFT COLD WATER, 2-1/2" HOT WATER AND 1" RECIRCULATING HOT WATER PIPING RISERS UP TO FLOOR ABOVE.
 - ⑩ RELOCATED 3" SOFT COLD WATER, 2" HOT WATER, 1-1/4" COLD WATER, 1/2" ICE WATER PIPING RISERS UP TO FLOOR ABOVE.
 - ⑪ RELOCATED 4" WASTE PIPING RISER UP TO FLOOR ABOVE.
 - ⑫ DO NOT DIRECT BURY PRESSURIZED DOMESTIC WATER PIPING. CONTRACTOR TO PROVIDE PVC SLEEVE OR DOUBLE WALL ENCASED PIPING, LARGE ENOUGH FOR PIPING AND INSULATION COVER.
 - ⑬ 3" WASTE UP TO FLOOR SINK.
 - ⑭ 2" WASTE UP TO FLOOR DRAIN.
 - ⑮ OFFSET EXISTING PIPING IN TUNNEL AS REQUIRED FOR INSTALLATION OF NEW WASTE PIPING.
 - ⑯ 1/2" HOT AND COLD WATER UP TO SINK.
 - ⑰ 2" WASTE UP TO URINAL.

1 UNDERGROUND AND TUNNEL PLUMBING PLAN
1/8" = 1'-0"



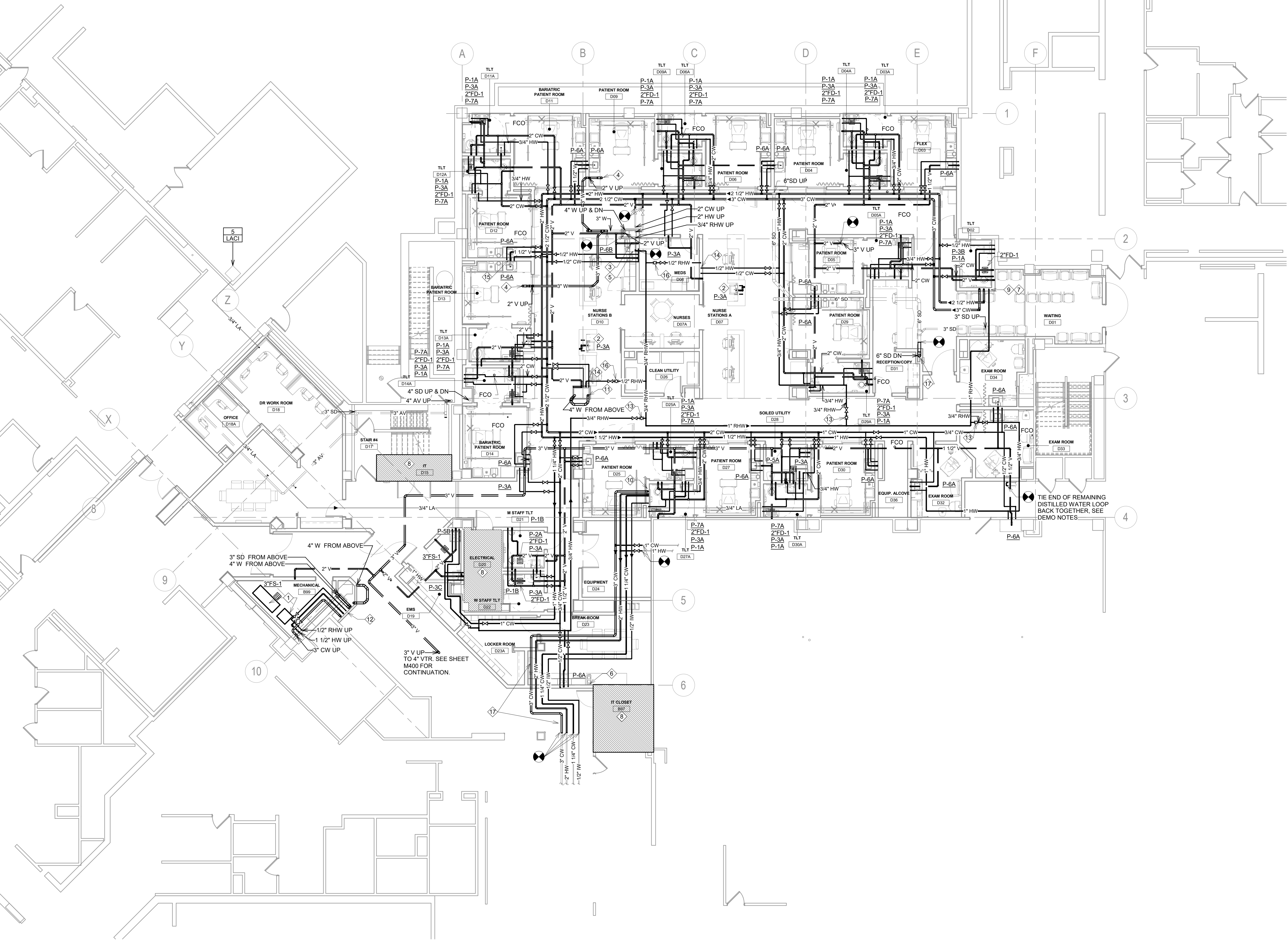
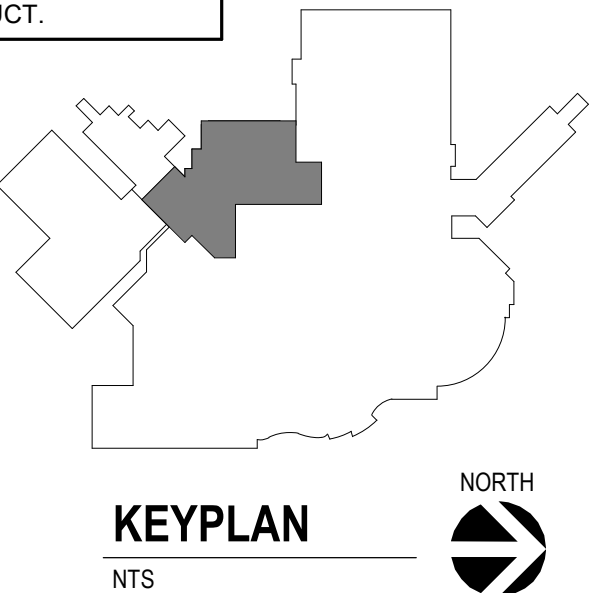
			<div>CONSULTANTS</div> <div><div>MEDICAL PLANNER: B W B R BWBR, INC. 380 Saint Peter Street Suite 600 Saint Paul, MN 55112 Phone: 651-222-3701</div><div>STRUCTURAL: ERA ERICKSEN ROED & ASSOCIATES 2550 University Avenue West Suite 423-S Saint Paul, MN 55114 Phone: 651-251-7570</div><div>MECHANICAL / ELECTRICAL / PLUMBING: DUNHAM Dunham Associates, Inc. 50 South Sixth Street Minneapolis, MN 55402-1540 Phone: 612-465-7550</div></div> <div><div>Stone Group Architects 600 East 7th Street Sioux Falls, SD 57103 605-271-1144</div><div>STONE GROUP ARCHITECTS</div></div>			<div>STAMP</div> <div>REGISTERED PROFESSIONAL ENGINEER REG. NO. 14944 JASON R. GOTTWALT SOUTH DAKOTA</div> <div>Office of Construction and Facilities Management</div> <div>VA U.S. Department of Veterans Affairs</div>			<div>Drawing Title</div> <div>UNDERGROUND & TUNNEL - PLUMBING PLAN</div> <div>Approved:</div>			<div>Phase</div> <div>BID SET</div>			<div>Project Title</div> <div>RENOVATE PREOPERATIVE CARE UNIT</div>			<div>Project Number</div> <div>VA #438-19-101 SGA #191910</div>			<div>Building Number</div> <div>5</div>			<div>Drawing Number</div> <div>PP-100</div>		
<div>Revision#</div> <div>Description</div> <div>Date:</div>												<div>Location</div> <div>SIoux FALLS, SOUTH DAKOTA</div>			<div>Issue Date</div> <div>11/06/20</div>			<div>Checked</div> <div>JRG</div>			<div>Drawn</div> <div>TNH/JS</div>					

GENERAL NOTES:

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- O. ALL CONTRACTORS TO REFERENCE THE INFECTION CONTROL NOTES IDENTIFIED WITHIN THE VENTILATION GENERAL NOTES ON THESE DRAWINGS. CONFORM TO ALL ICRA REQUIREMENTS.
- P. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL PIPING, FITTINGS, VALVES & ACCESSORIES AS REQUIRED FOR INSTALLATION OF OWNER PROVIDED EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS.

KEY NOTES:

1. RELOCATED DENTAL AIR COMPRESSORS, SUCTION PUMPS, AND ASSOCIATE AIR DRYERS. PROVIDE INTAKE PIPING EXTENDED TO PREVIOUS LOCATION, EXHAUST VENTS, PRESSURE SENSORS, GAUGES AND PIPING DISTRIBUTION. COORDINATE START-UP AND TESTING WITH IMPACTED DEPARTMENTS AND STAFF. TO VERIFY AIR PURITY AND PRESSURE REQUIREMENTS ARE MET. REFER TO MEDICAL GAS PIPING PLANS FOR ADDITIONAL INFORMATION ON PIPING RELOCATIONS.
2. ISLAND VENTED SINK. REFER TO DETAIL ON SHEET PP-600.
3. 2" STANDPIPE TO SERVE OWNER PROVIDED ICE MACHINE. REFER TO DETAIL ON SHEET PP-600.
4. 3" WASTE UP FLOOR DRAIN.
5. ROUTE 1/2" COLD WATER TO OWNER PROVIDED ICE MACHINE AND COFFEE MAKER.
6. ROUTE 1/2" COLD WATER TO OWNER PROVIDED COFFEE MACHINE.
7. REFER TO DRAWING PP100 FOR CONTINUATION OF PIPING IN CRAWLSPACE BELOW.
8. DO NOT ROUTE PIPING ABOVE THIS ROOM.
9. RELOCATED 3" SOFT COLD WATER, 2-1/2" HOT WATER AND 1" RECIRCULATING HOT WATER PIPING RISERS FROM TUNNEL BELOW.
10. RELOCATED 3" SOFT COLD WATER, 2" HOT WATER, 1-1/4" COLD WATER, 1/2" ICE WATER PIPING RISERS FROM TUNNEL BELOW.
11. RELOCATED 4" WASTE PIPING RISER FROM TUNNEL BELOW. CONNECT TO EXISTING ABOVE CEILING.
12. RELOCATED 3" SOFT COLD WATER, 1-1/2" HOT WATER, 1/2" RECIRCULATING HOT WATER, 4" WASTE, 3" STORM AND 4" WASTE PIPING RISERS FROM TUNNEL BELOW. CONNECT TO EXISTING ABOVE CEILING.
13. BALANCE TO 1 GPM.
14. 1/2" HOT, COLD AND RECIRCULATING HOT WATER DOWN WALL TO BELOW SLAB TO ISLAND LAVATORY.
15. PROVIDE WALL CLEANOUT FOR BACK-TO-BACK SINKS (TYPICAL).
16. BALANCE TO 0.5 GPM.
17. DEDUCT ALTERNATE - ROUTE NEW 3" COLD WATER, 2" HOT WATER, 1-1/4" COLD WATER AND 1/2" ICE WATER OVER BREAKROOM. IT CLOSET B97 WILL NOT BE CONSTRUCTED UNDER DEDUCT.



1 FIRST FLOOR PLUMBING PLAN
1/8" = 1'-0"

Revision#	Description	Date:

CONSULTANTS

MEDICAL PLANNER:

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380 Saint Peter Street
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Saint Paul, MN 55112
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STRUCTURAL:

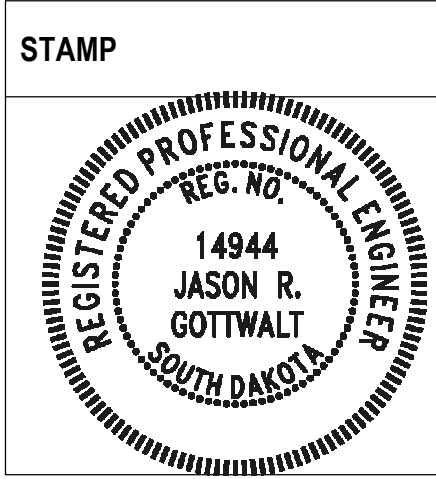
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MECHANICAL / ELECTRICAL / PLUMBING:

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600 East 7th Street
Sioux Falls, SD 57103
605-271-1144



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

Drawing Title
GROUND LEVEL - PLUMBING PLAN

Approved:

Phase
BID SET

Project Title
**RENOVATE PREOPERATIVE CARE
UNIT**

Location
SIOUX FALLS, SOUTH DAKOTA

Issue Date
11/06/20

Checked
JRG

Drawn
TNH/JS

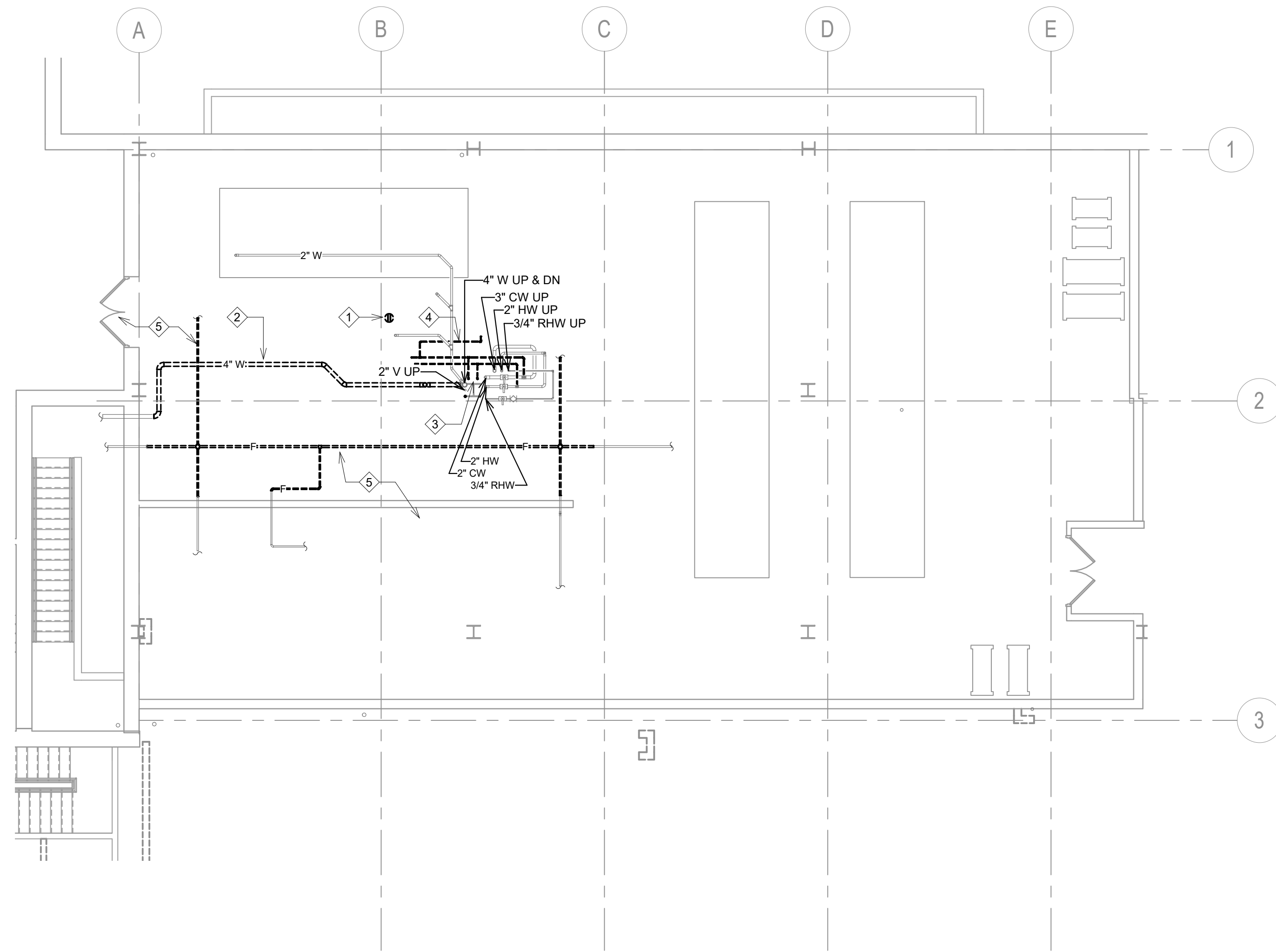
Project Number
**VA #438-19-101
SGA #191910**

Building Number
5

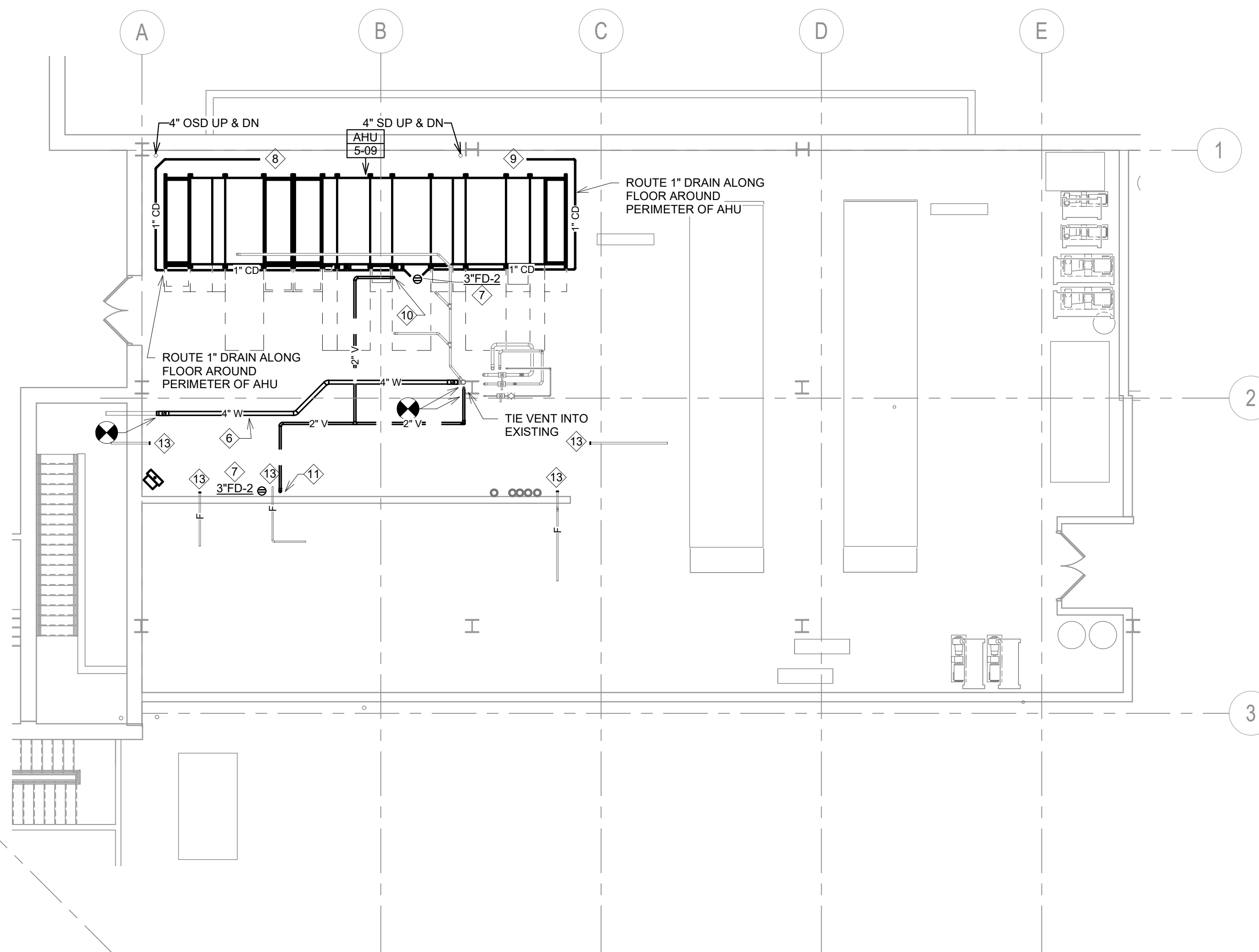
Drawing Number
PP-101

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

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1 FIRST LEVEL - PLUMBING DEMOLITION PLAN
1/8" = 1'-0"



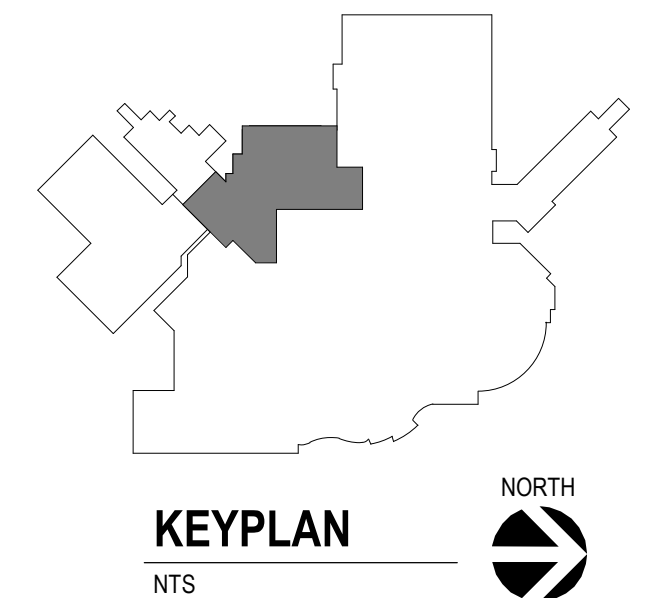
2 FIRST LEVEL - PLUMBING PLAN
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KEY NOTES:

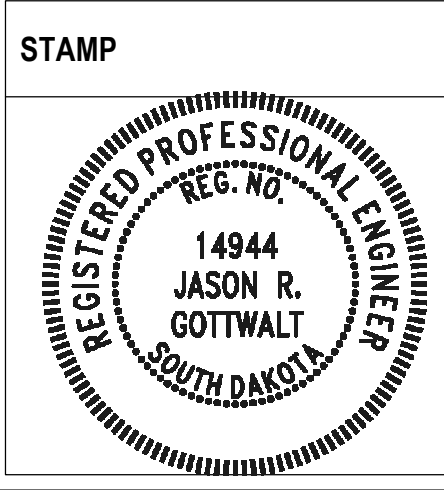
- REMOVE EXISTING FLOOR DRAIN AND ASSOCIATED WASTE PIPING ON FLOOR BELOW. INFILL REMAINING FLOOR PENETRATION AS REQUIRED AND LEVEL/GROUND FOR ACCEPTANCE OF EPOXY FLOOR COATING BY OTHERS.
- REPLACED EXISTING WASTE PIPING AS REQUIRED FOR NEW DUCTWORK INSTALLATION. REFER TO 3D ISOMETRIC DIAGRAM AND COORDINATE WITH ALL OTHER TRADES.
- REMOVE EXISTING MOP SINK FAUCET ALONG WITH ALL DOMESTIC WATER PIPING AND SUPPORTS/BRACKETS. REFER TO NEW PLUMBING PLAN FOR INSTALLATION OF NEW MOP SINK FIXTURE.
- REMOVE MAKE-UP WATER CONNECTION TO EXISTING ENERGY RECOVERY LOOP TO BE DEMOLISHED FOR EXISTING AHU 9. REMOVE ASSOCIATED PIPING COMPONENTS, PRESSURE REDUCING VALVE, AND BACKFLOW PREVENTORS.
- NOTE THAT ALL EXISTING SPRINKLER PIPING, BOTH MAINS AND BRANCH PIPING, THROUGHOUT MECHANICAL ROOM AREA AFFECTED BY MODIFICATIONS. REFER TO DRAWING FP-101 FOR TEMPORARY COVERAGE AND INSTALL OF ALL NEW PIPING AND SPRINKLER HEADS FOR OBSTRUCTIONS CREATED BY MECHANICAL SYSTEM CHANGES.
- ROUTE NEW WASTE LINE DROPPED TO LOWER ELEVATION TO COORDINATE WITH NEW DUCTWORK INSTALLATION. RECONNECT TO EXISTING AT EITHER END.
- INSTALL NEW FLOOR DRAIN AT APPROXIMATE LOCATION INDICATED. COORDINATE INSTALLATION OF WATER SEALING SYSTEM TO INCORPORATE WITH NEW EPOXY FLOOR COATING TO ENSURE ANY STANDING WATER CANNOT SEAP AROUND FLOOR DRAIN FLANGE.
- RELIEF AIR-LOUVER (LV-1) SHALL BE PROVIDED WITH 1" COPPER DRAIN LINE ROUTED TO NEAREST FLOOR DRAIN. REFER TO DRAWING MH400 FOR COORDINATION WITH HVAC INSTALL.
- SHEET METAL PLENUM ON EXISTING LOUVER SHALL BE PROVIDED WITH 1" COPPER DRAIN LINE ROUTED TO NEAREST FLOOR DRAIN. REFER TO DRAWING MH400 FOR COORDINATION WITH HVAC INSTALL.
- SUPPORT 2" VENT FOR FLOOR DRAIN AGAINST AIR HANDLER UNIT. COORDINATE LOCATION WITH ACCESS DOORS.
- ROUTE 2" VENT FOR FLOOR DRAIN UP AGAINST EXISTING WALL.
- CONNECT CONDENSATE TO NEW UNIT AND EXTEND TO FLOOR DRAIN.
- INSTALL ALL NEW UPRIGHT SPRINKLER HEADS AND PIPING THROUGHOUT AREA WHERE PREVIOUS SYSTEM WAS DEMOLISHED. RECONNECT TO EXISTING SPRINKLER MAIN ON EITHER END AND AT BRANCH PIPING TO ADJACENT AREAS THAT WAS DISCONNECTED DURING SPRINKLER SYSTEM MODIFICATIONS.



Revision#	Description	Date:

CONSULTANTS		
MEDICAL PLANNER:	STRUCTURAL:	MECHANICAL / ELECTRICAL / PLUMBING:
BWBR	ERA ERICKSEN ROED & ASSOCIATES	DUNHAM
BWBR, INC. 380 Saint Peter Street Suite 600 Saint Paul, MN 55112 Phone: 651-222-3701	Erickson Roed & Associates 2550 University Avenue West Suite 423-S Saint Paul, MN 55114 Phone: 651-251-7570	Dunham Associates, Inc. 91 South Sixth Street Minneapolis, MN 55402-1540 Phone: 612-465-7550

ARCHITECT OF RECORD	
Stone Group Architects 600 East 7th Street Sioux Falls, SD 57103 605-271-1144	



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

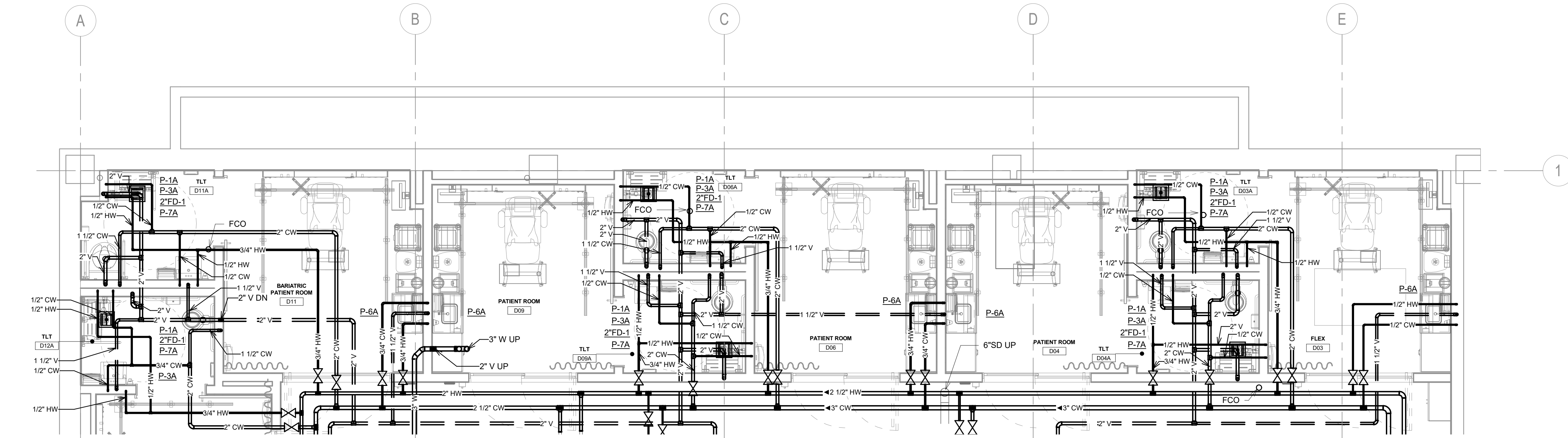
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Approved:

Phase BID SET

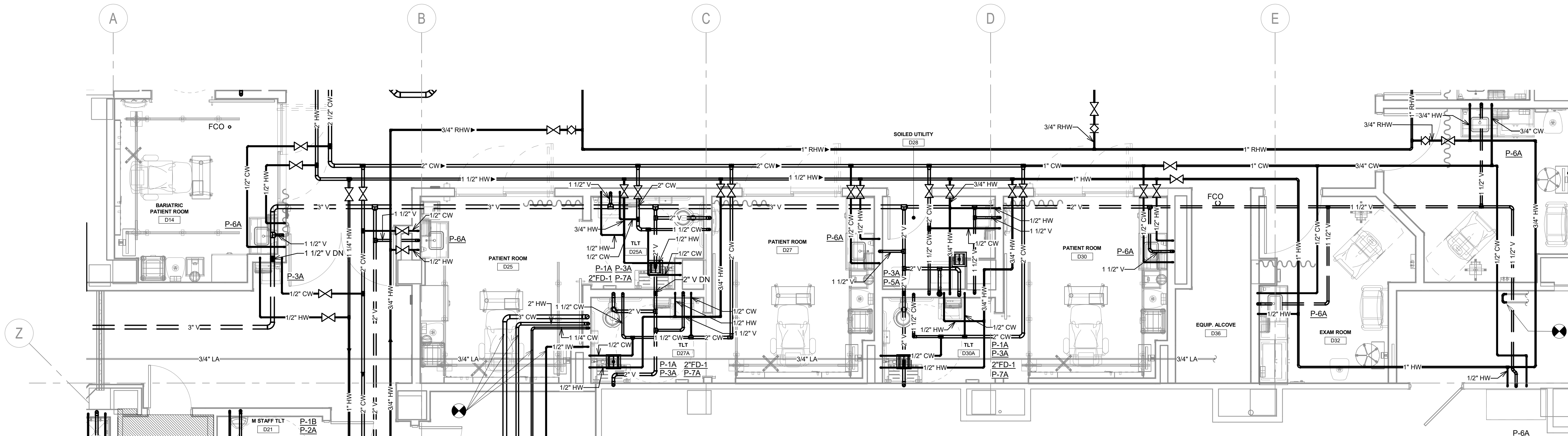
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Location SIOUX FALLS, SOUTH DAKOTA
Issue Date 11/06/20
Checked JRG
Drawn TNH/JS

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Building Number 5
Drawing Number PP-111

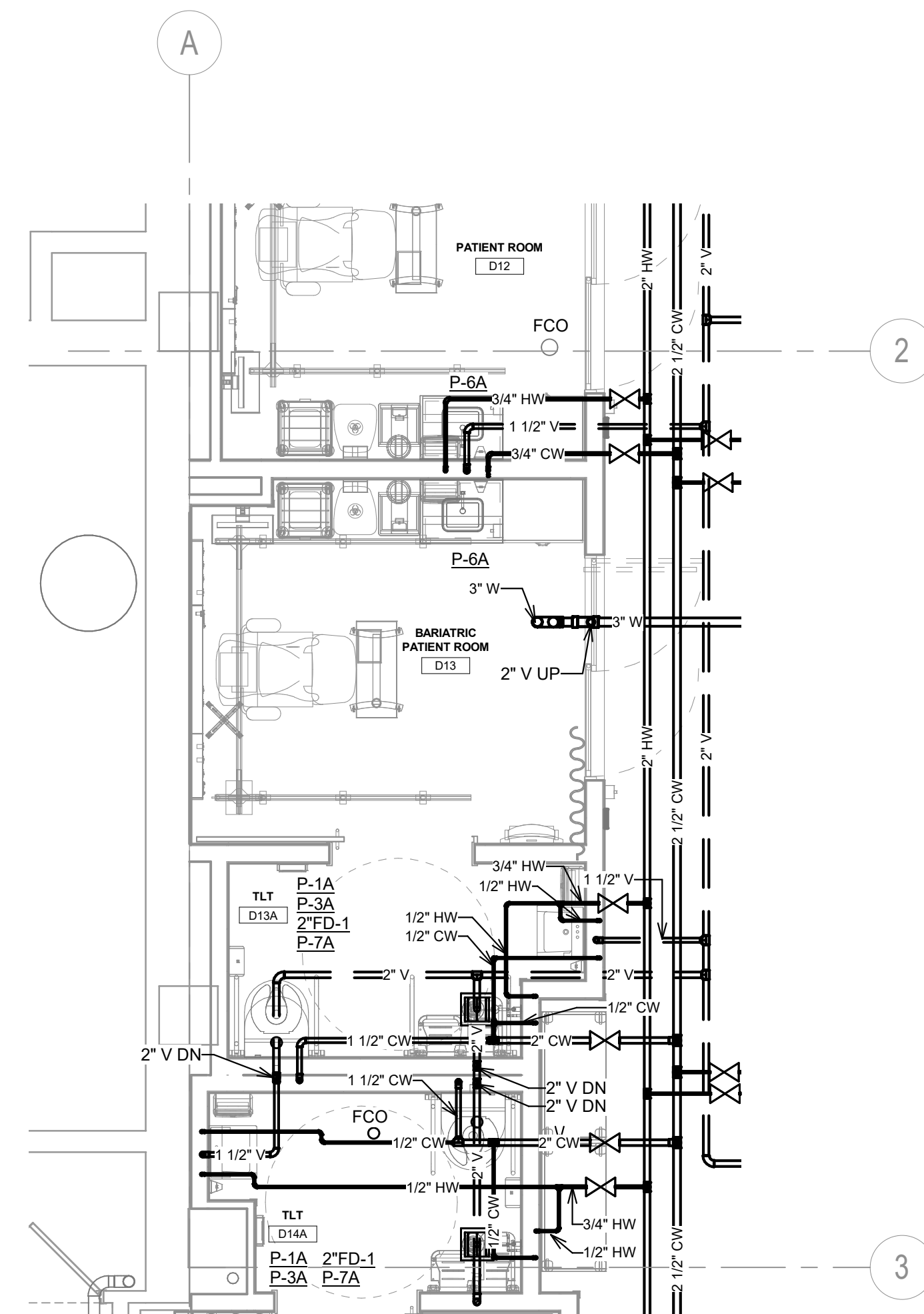
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one quarter inch = one foot
one half inch = one foot
three eighths inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot



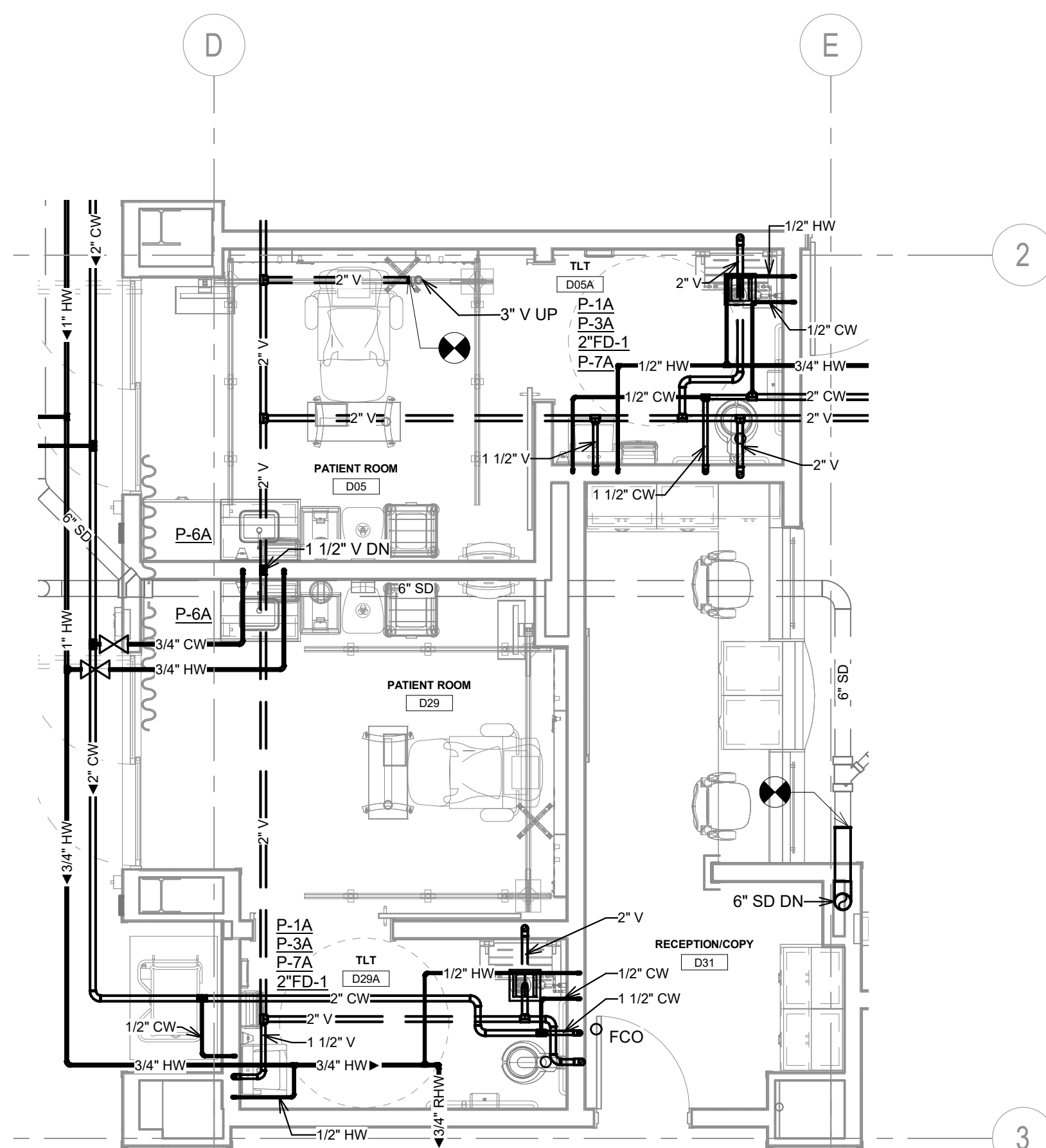
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2 PATIENT ROOMS D25, D27 AND D30
1/4" = 1'-0"



3 PATIENT ROOMS D12, D13, AND D14
1/4" = 1'-0"



4 PATIENT ROOMS D05 AND D29
1/4" = 1'-0"

Revision#	Description	Date:

CONSULTANTS

MEDICAL PLANNER:

BWBR
BWBR, INC.
380 Saint Peter Street
Suite 600
Saint Paul, MN 55102
Phone: 651-222-3701

STRUCTURAL:

ERA
ERICKSEN ROED
& ASSOCIATES
2550 University Avenue West
Suite 423-S
Minneapolis, MN 55114
Phone: 651-251-7570

MECHANICAL / ELECTRICAL / PLUMBING:

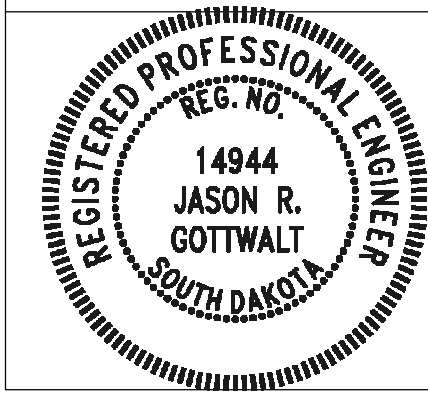
DUNHAM
Dunham Associates, Inc.
90 South Sixth Street
Minneapolis, MN 55402-1540
Phone: 612-465-7550

ARCHITECT OF RECORD

Stone Group Architects
600 East 7th Street
Sioux Falls, SD 57103
605-271-1144



STAMP



Office of
Construction
and Facilities
Management



U.S. Department
of Veterans Affairs

Drawing Title

ENLARGED PLUMBING PLANS

Approved:

Phase

BID SET

Project Title

RENOVATE PREOPERATIVE CARE
UNIT

Location

SIoux FALLS, SOUTH DAKOTA

Issue Date

11/06/20

Checked

JRG

Drawn

TNH/JS

Project Number

VA #438-19-101
SGA #191910

Building Number

5

Drawing Number

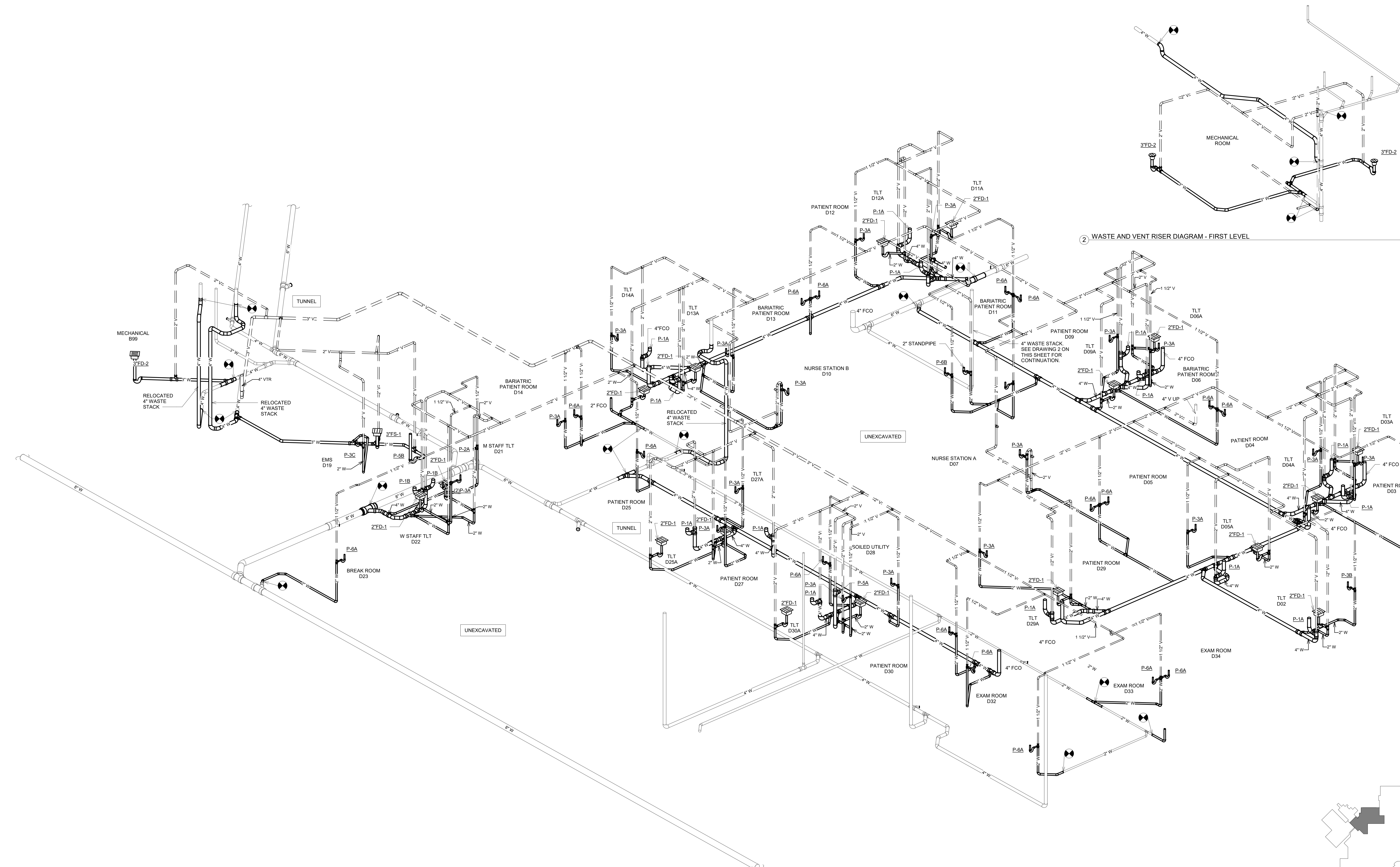
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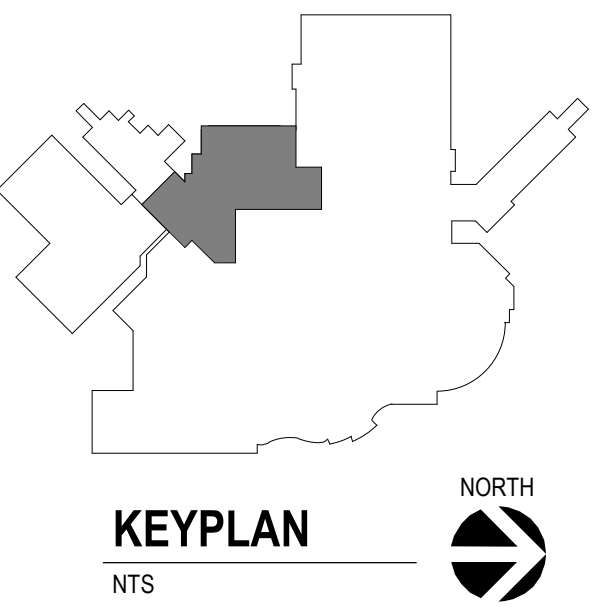
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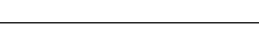

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1 WASTE AND VENT DIAGRAM - GROUND LEVEL

2 WASTE AND VENT RISER DIAGRAM - FIRST LEVEL



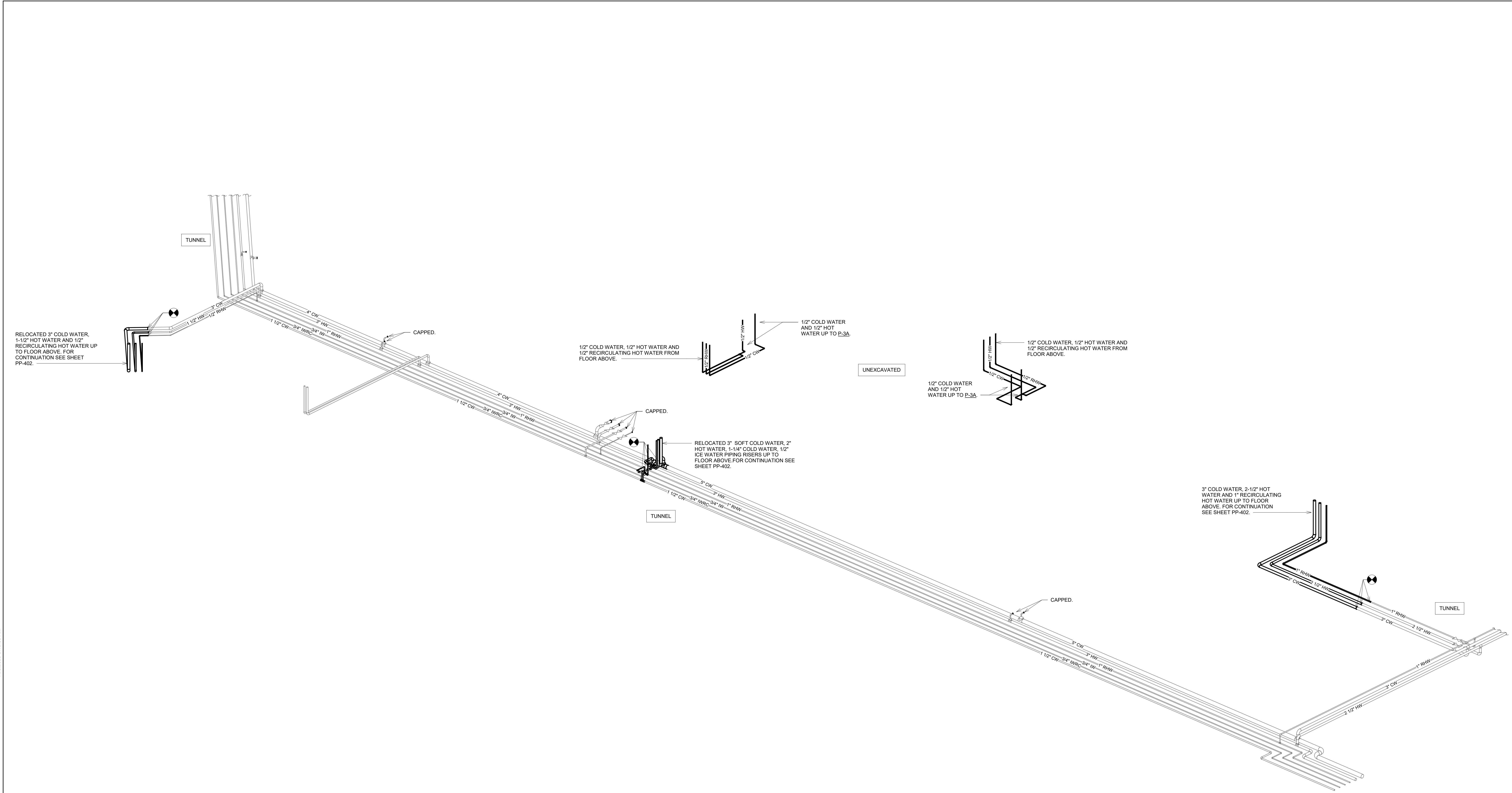
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			MEDICAL PLANNER: B W B R BWBR, INC. 380 Saint Peter Street Suite 600 Saint Paul, MN 55102 Phone: 651-222-3701			STRUCTURAL: ERA ERICKSEN ROED & ASSOCIATES 2550 University Avenue West Suite 423-S Saint Paul, MN 55114 Phone: 651-251-7570			MECHANICAL / ELECTRICAL / PLUMBING: DUNHAM Dunham Associates, Inc. 50 South Sixth Street Minneapolis, MN 55402-1540 Phone: 612-465-7550			 STONE GROUP ARCHITECTS			VA U.S. Department of Veterans Affairs					
Revision# Description Date:												Approved:				Location SIoux FALLS, SOUTH DAKOTA		Drawing Number PP-401		
														Issue Date 11/06/20		Checked JRG	Drawn TNH/JS			

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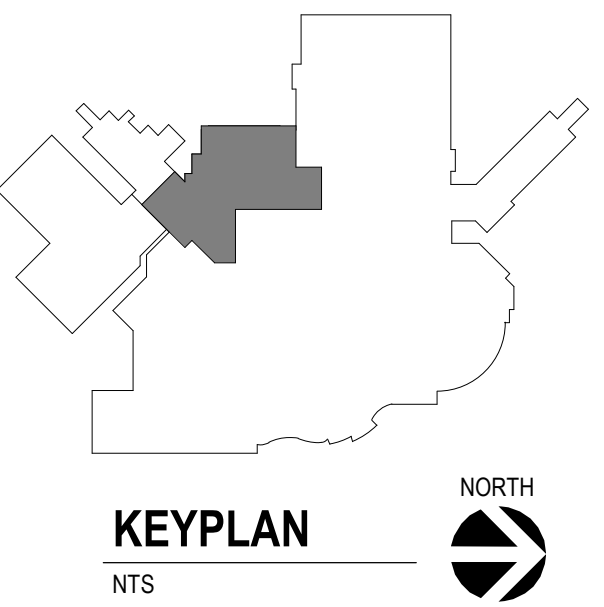
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three eighths inch = one foot
one eighth inch = one foot

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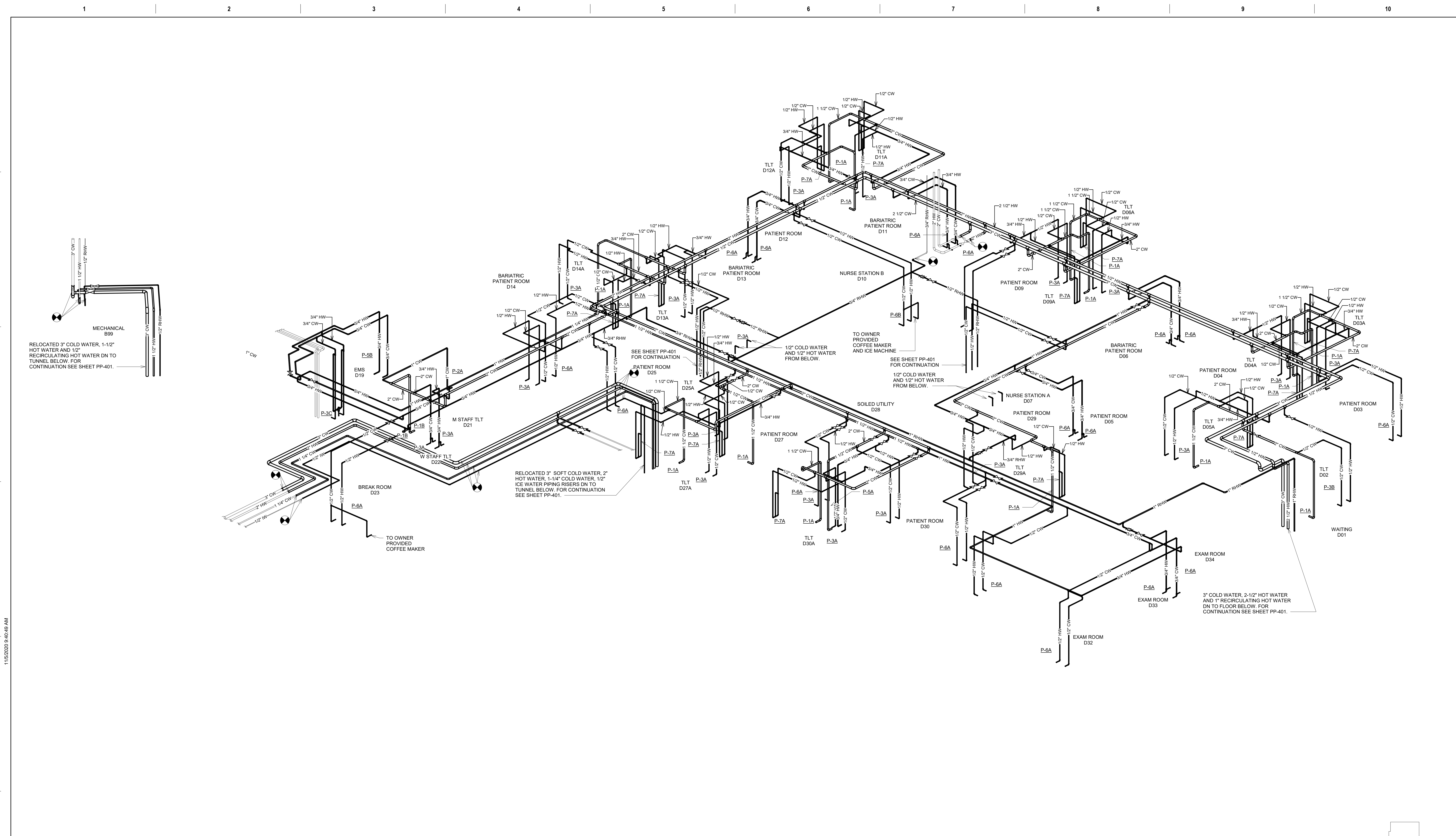


1 DOMESTIC WATER RISER DIAGRAM - TUNNEL

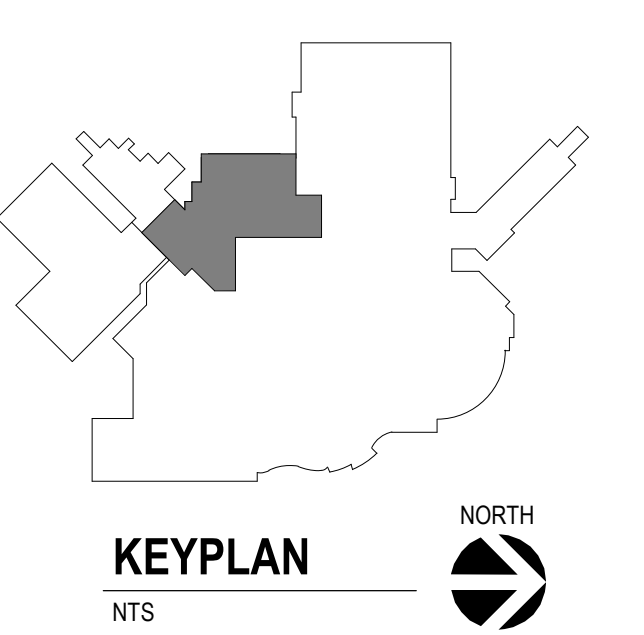


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1 DOMESTIC WATER RISER DIAGRAM - GROUND LEVEL



Revision#	Description	Date:

CONSULTANTS

MEDICAL PLANNER:
BWBR
BWBR, INC.
380 Saint Peter Street
Suite 600
Saint Paul, MN 55102
Phone: 651-222-3701

STRUCTURAL:
ERA
ERICKSEN ROED & ASSOCIATES
2550 University Avenue West
Suite 423-S
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Phone: 612-465-7550

ARCHITECT OF RECORD

Stone Group Architects
600 East 7th Street
Sioux Falls, SD 57103
605-271-1144

STONE GROUP
ARCHITECTS

STAMP

Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title

DOMESTIC WATER RISER DIAGRAM - GROUND LEVEL

Approved:

Phase

BID SET

Project Title

RENOVATE PREOPERATIVE CARE UNIT

Location

SIoux FALLS, SOUTH DAKOTA

Issue Date

11/06/20

Checked

JRG

Drawn

TNH/JS

Project Number

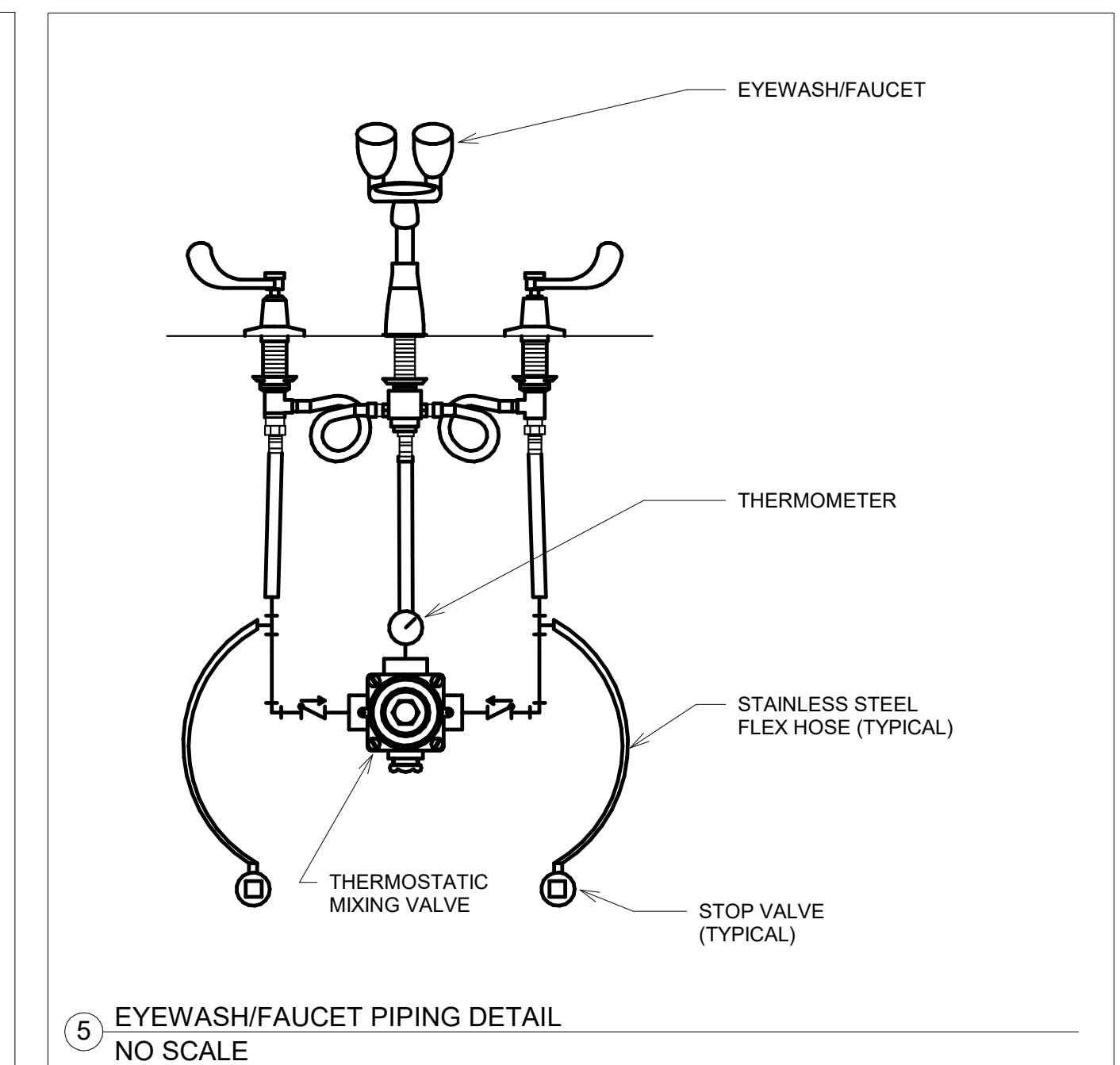
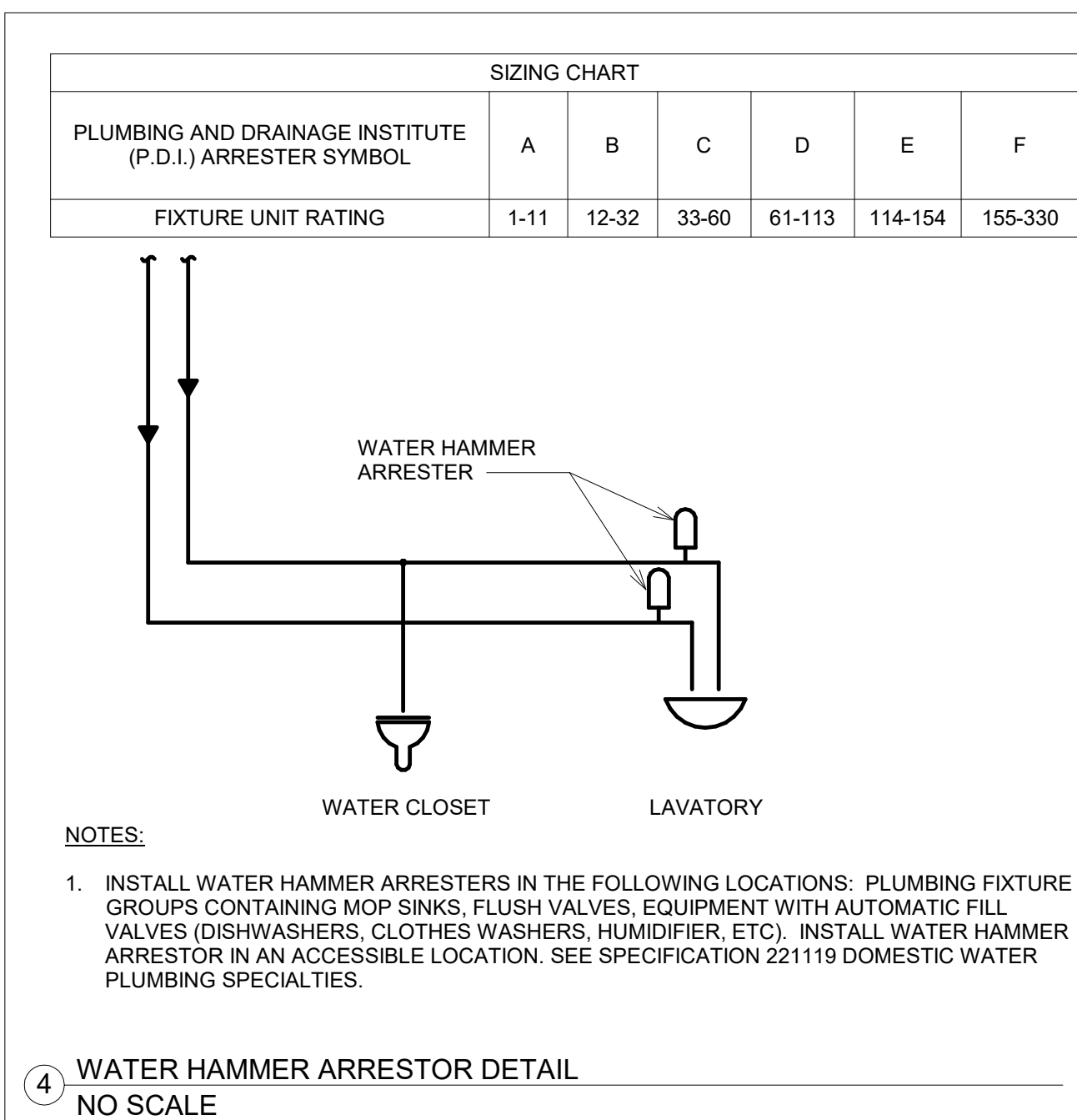
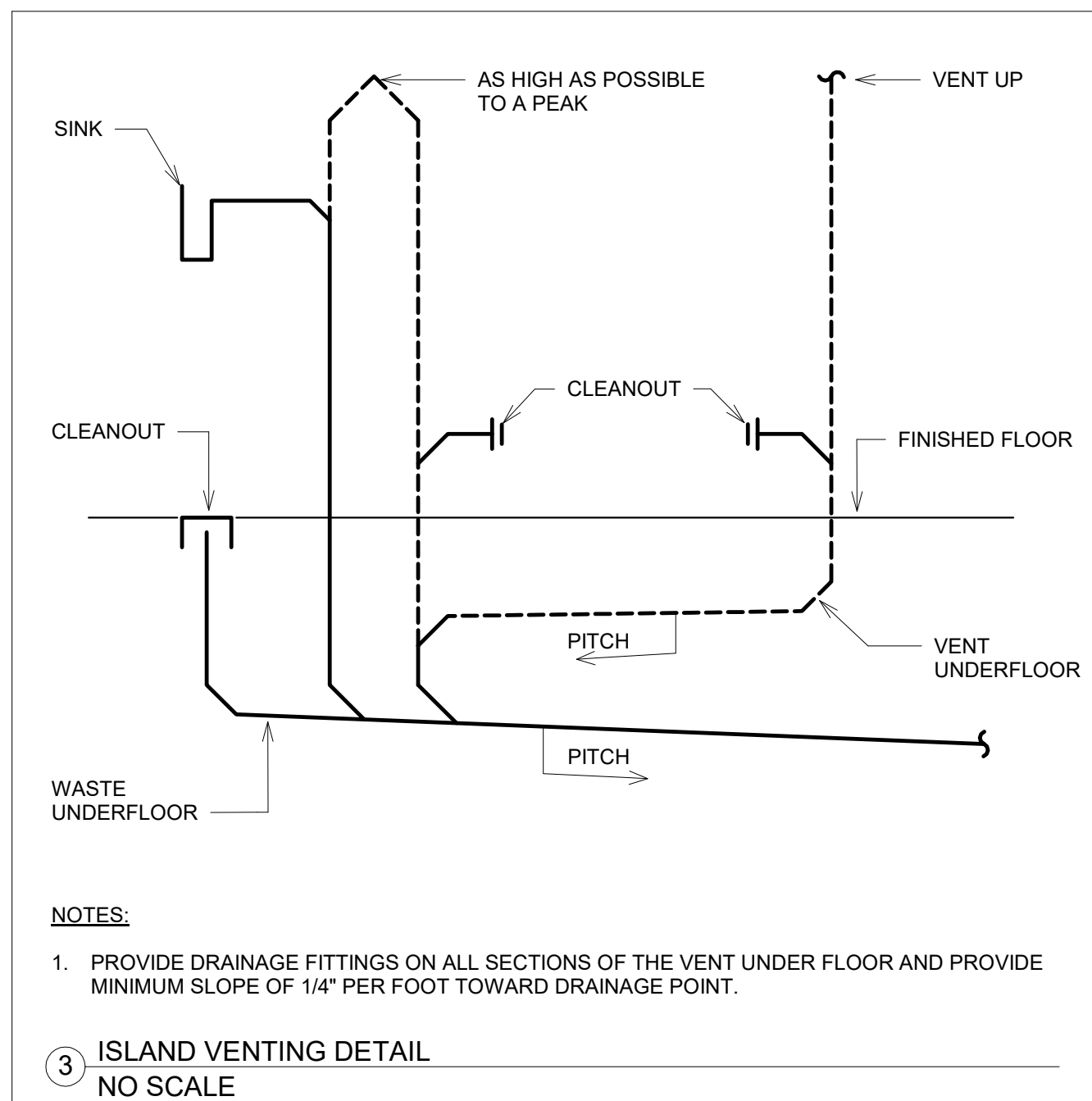
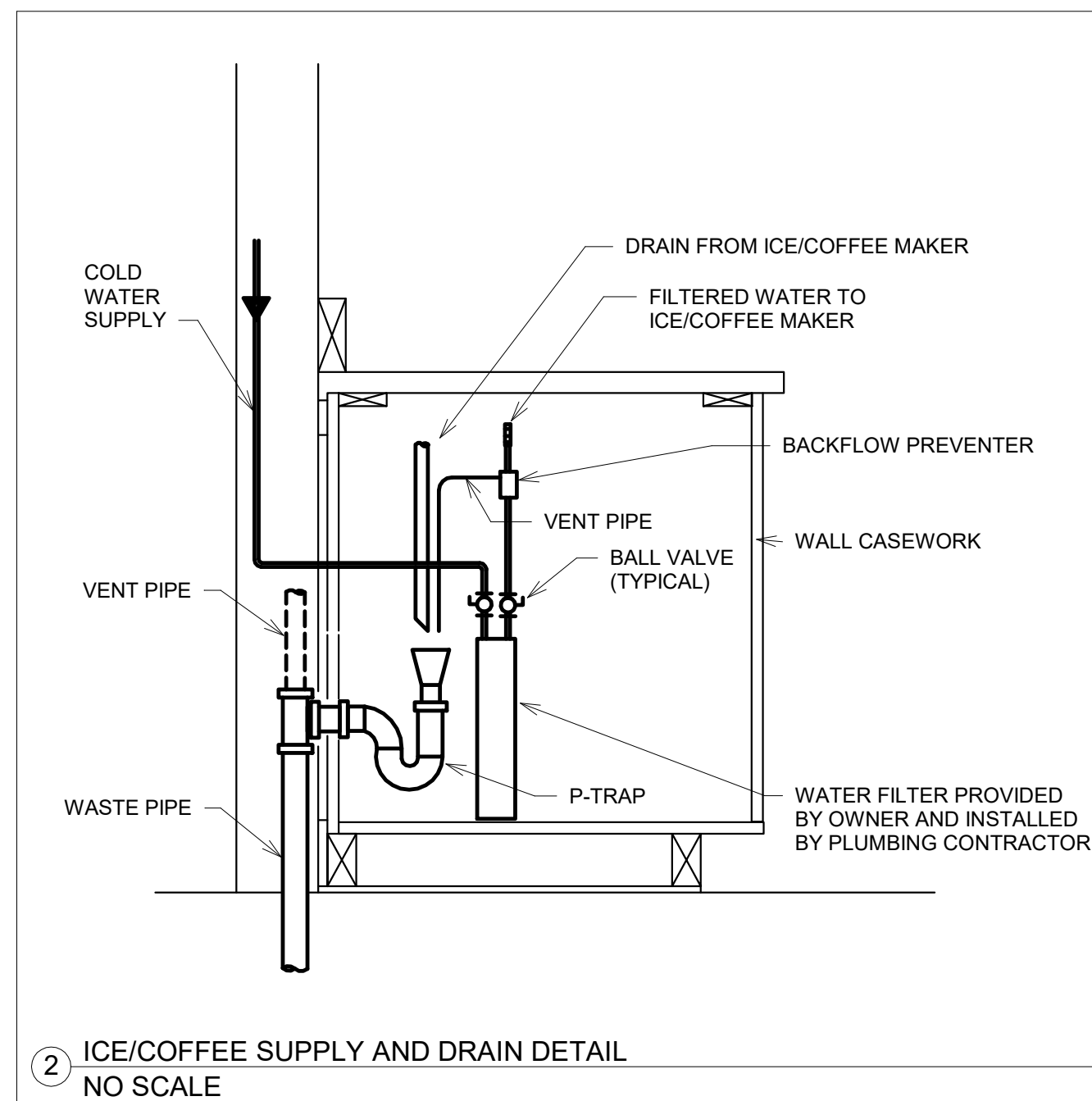
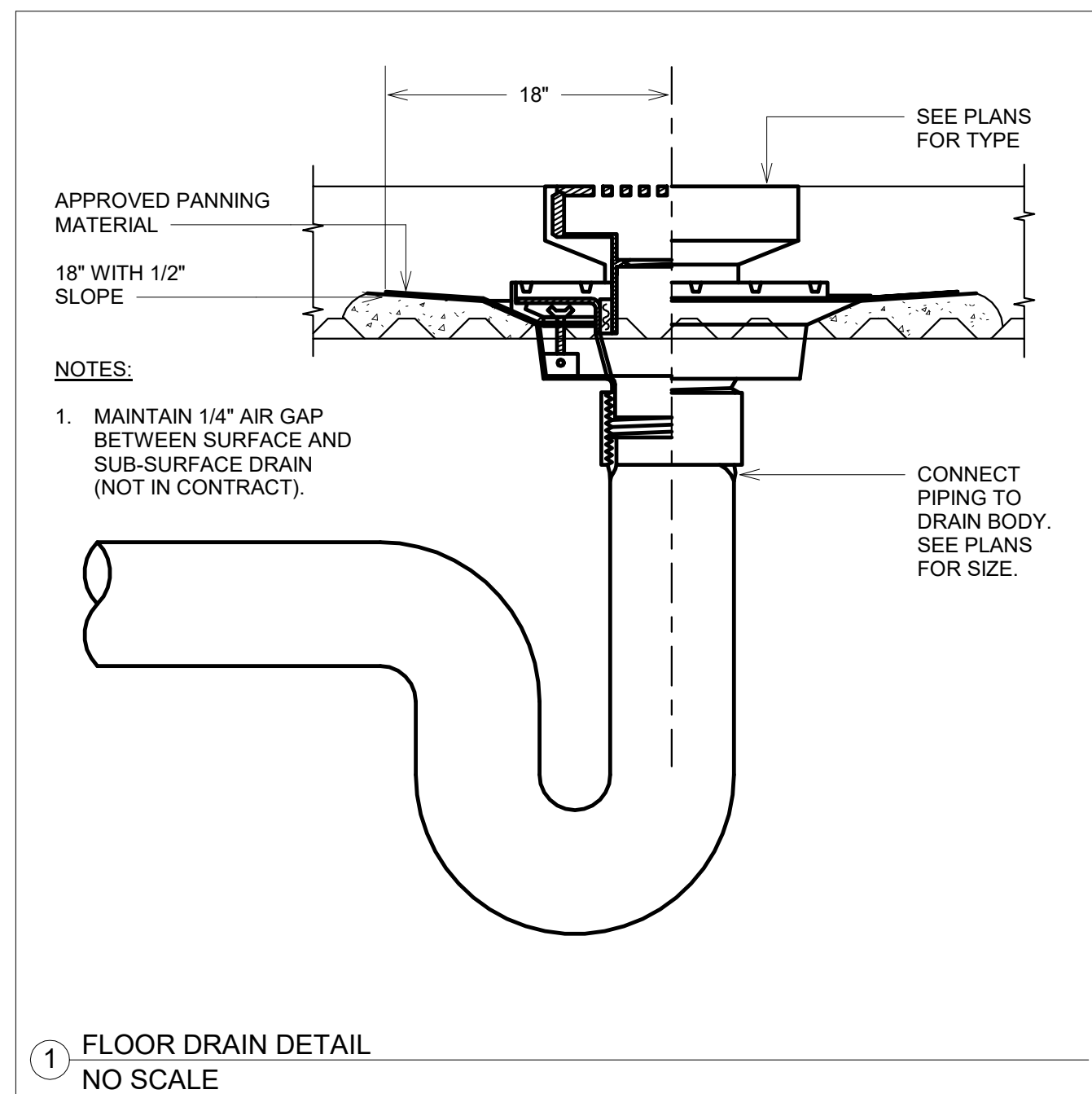
VA #438-19-101
SGA #191910

Building Number

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Drawing Number

PP-403



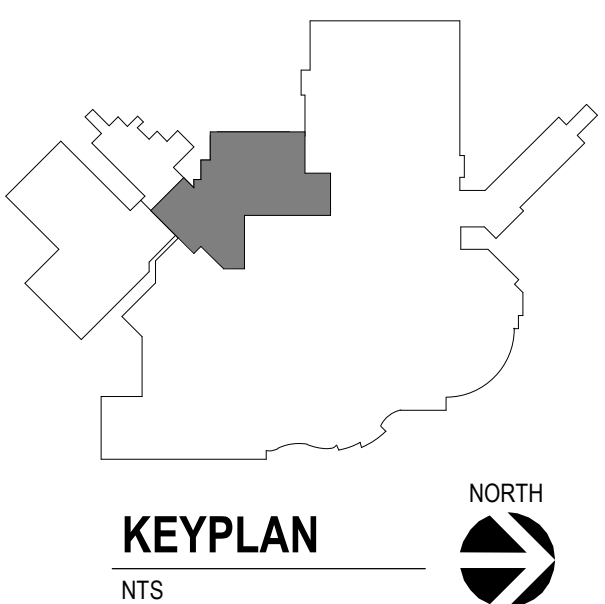
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MECHANICAL (224200, 224223, 224300)															
FIXTURE TAG	FIXTURE DESCRIPTION	MOUNTING	ADA	FIXTURE	TRIM	STOP	TRAP	CARRIER	WASTE (IN)	TRAP (IN)	VENT (IN)	OW (IN)	HW (IN)	RO (IN)	MECHANICAL NOTES
P-1A	WATER CLOSET	FLOOR	YES	AMERICAN STANDARD MADERA 3481.001, 16-1/2" HIGH, ELONGATED BOWL, FLOOR MOUNTED FLOOR OUTLET WITH TOP SPUD, 10" WHITE, EVERCLEAN SURFACE	SLOAN FLUSHOMETER MODEL ROYAL OPTIMA SMOOTH 111-1.64HW/S, HARDWIRED SIDE MOUNT SENSOR OPERATED, 1.6 GPF LOW CONSUMPTION, ANGLE STOP, 1" IPS, TOP SPUD, POLISHED CHROME.	INTEGRAL ANGLE STOP ON FLUSH VALVE.	INTEGRAL	NA	4	NA	2	1 1/2	NA	NA	PROVIDE OPEN FRONT WHITE SEAT EQUAL TO OLSONITE 95SSCT. PROVIDE SLOAN EL-451 HARDWARE POWER CONVERTER (OPERATES UP TO 8 FLUSHOMETERS), POWER TO TRANSFORMER BY ELECTRICAL CONTRACTOR; LOW VOLTAGE WIRING FROM TRANSFORMER TO FIXTURE(S) BY MECHANICAL CONTRACTOR
P-1B	WATER CLOSET	FLOOR	YES	AMERICAN STANDARD MADERA 3481.001, 16-1/2" HIGH, ELONGATED BOWL, FLOOR MOUNTED FLOOR OUTLET WITH TOP SPUD, 10" WHITE, EVERCLEAN SURFACE	SLOAN FLUSHOMETER MODEL ROYAL 111-SG, 1.6 GPF LOW CONSUMPTION, ANGLE STOP, 1"IPS, TOP SPUD, SANIGUARD HANDLE, POLISHED CHROME.	INTEGRAL ANGLE STOP ON FLUSH VALVE.	INTEGRAL	NA	4	NA	2	1 1/2	NA	NA	PROVIDE OPEN FRONT WHITE SEAT EQUAL TO OLSONITE 95SSCT. FLUSH VALVE HANDLE TO BE ON THE APPROACH SIDE OF WATER CLOSET.
P-2A	URINAL	WALL	YES	AMERICAN STANDARD WASHBROOK 6590.001, ELONGATED 14" RIM, WALL MOUNTED WITH TOP SPUD, WASHOUT FLUSH, STRAINER, WHITE.	SLOAN FLUSHOMETER MODEL ROYAL OPTIMA SMOOTH 186-1.0-HW, HARDWIRED SIDE MOUNT SENSOR OPERATED, 1.0 GPF LOW CONSUMPTION, ANGLE STOP, 3/4" IPS, TOP SPUD, POLISHED CHROME.	INTEGRAL ANGLE STOP ON FLUSH VALVE.	2" P" TRAP	FLOOR MOUNTED, HANGER PLATE, ADJUSTABLE SUPPORTING RODS, STRUCTURAL UPRIGHTS AND WELDED FEET	2	2	1-1/2	3/4	NA	NA	PROVIDE SLOAN EL-451 HARDWARE POWER CONVERTER (OPERATES UP TO 8 FLUSHOMETERS), POWER TO TRANSFORMER BY ELECTRICAL CONTRACTOR; LOW VOLTAGE WIRING FROM TRANSFORMER TO FIXTURE(S) BY MECHANICAL CONTRACTOR
P-3A	LAVATORY	WALL	YES	AMERICAN STANDARD LUCERNE 0356.915, WALL HUNG FOR CONCEALED PANS SUPPORT, 8" CENTERS, LESS OVERFLOW, VITREOUS CHINA, WHITE.	CHICAGO FAUCETS 786-E29XKABCP, DECK MOUNTED, 5-1/4" RIGID/SWING GOOSENECK SPOUT, 8" CENTERS, WRISTBLADE HANDLES, CERAMIC CARTRIDGE, 2.2 GPM LAMINAR FLOW OUTLET, POLISHED CHROME.	CHICAGO FAUCETS 1017-CSTABCP BRASS BALL VALVE POLISHED CHROME PLATED P" TRAP, TREATED INSIDE & OUTSIDE WITH SANIGUARD, EXTEND TO WALL WITH ESCUTCHEON	McGuire 1-1/4"x1-1/4" CAST BRASS CHROME PLATED P" TRAP, TREATED INSIDE & OUTSIDE WITH SANIGUARD, EXTEND TO WALL WITH ESCUTCHEON	FLOOR MOUNTED, CONCEALED ARMS, LEVELING AND SECURING SCREWS, STRUCTURAL UPRIGHTS AND WELDED FEET.	1-1/2	1-1/4	1-1/2	1/2	1/2	NA	PROVIDE MOLDED COVERING FOR WATER AND WASTE PIPING EQUAL TO TRUEBRO "LAV GUARD" 2". PROVIDE MCGUIRE CAST BRASS CHROME PLATED TAILPIECE & OPEN GRID STRAINER, ALL METAL PARTS TREATED INSIDE & OUTSIDE WITH SANIGUARD, PROVIDE WATTS LFMMY MIXING VALVE, NO FLEXIBLE HOSES. PIPE WITH 38" CHROME PLATED BRASS TUBING, LOCATE BELOW SINK.
P-3B	LAVATORY	WALL	YES	AMERICAN STANDARD LUCERNE 0356.915, WALL HUNG FOR CONCEALED ARMS SUPPORT, 8" CENTERS, LESS OVERFLOW, VITREOUS CHINA, WHITE.	CHICAGO FAUCETS 176.759 AB, 1, HARDWIRED SENSOR OPERATED, DECK MOUNTED, INTEGRATED ELECTRONIC INTEGRAL SPOUT, SINGLE HOLE, 1.5 GPM LAMINAR FLOW INSERT IN SPOUT INLET, POLISHED CHROME.	CHICAGO FAUCETS 1017-CSTABCP BRASS BALL VALVE POLISHED CHROME PLATED CAST BRASS ANGLE VALVE KITS, LOOSE KEY, FLEXIBLE RISERS, ESCUTCHEON	McGuire 1-1/4"x1-1/4" CAST BRASS CHROME PLATED P" TRAP, TREATED INSIDE & OUTSIDE WITH SANIGUARD, EXTEND TO WALL WITH ESCUTCHEON	FLOOR MOUNTED, CONCEALED ARMS, LEVELING AND SECURING SCREWS, STRUCTURAL UPRIGHTS AND WELDED FEET.	1-1/2	1-1/4	1-1/2	1/2	1/2	NA	PROVIDE CHICAGO FAUCETS 132-ABNT THERMOSTATIC MIXING VALVE (FOR UP TO 8 FITTINGS), PROVIDE AMERICAN STANDARD 1059-102EC SHROUD/KNEE CONTACT GUARD EVERCLEAN SURFACE. PROVIDE MCGUIRE CAST BRASS CHROME PLATED TAILPIECE & OPEN GRID STRAINER, ALL METAL PARTS
P-3C	LAVATORY	WALL	NO	AMERICAN STANDARD LUCERNE 0356.915, WALL HUNG FOR CONCEALED ARMS SUPPORT, 8" CENTERS, LESS OVERFLOW, VITREOUS CHINA, WHITE.	SPEAKMAN SEF-1800-CA-TW-4F EYEWASH FAUCET, DECK MOUNTED, GOOSENECK SPOUT WITH INDEPENDENTLY OPERATED EYEWASH, 8" CENTERS, WRISTBLADE HANDLES, CERAMIC CARTRIDGE, 2.2 GPM LAMINAR FLOW OUTLET, POLISHED CHROME, PULL HANDLE EYEWASH ACTIVATION, THERMOSTATIC MIX	McGUIRE QUARTER TURN BRASS BALL VALVE POLISHED CHROME PLATED CAST BRASS ANGLE VALVE KITS, LOOSE KEY, FLEXIBLE RISERS, ESCUTCHEON	McGuire 1-1/4"x1-1/4" CAST BRASS CHROME PLATED P" TRAP, TREATED INSIDE & OUTSIDE WITH SANIGUARD, EXTEND TO WALL WITH ESCUTCHEON	FLOOR MOUNTED, CONCEALED ARMS, LEVELING AND SECURING SCREWS, STRUCTURAL UPRIGHTS AND WELDED FEET.	1-1/2	1-1/4	1-1/2	1/2	1/2	NA	PROVIDE SEF-TW THERMOSTATIC MIXING VALVE, LOCATE BELOW SINK. PROVIDE MOLDED COVERING FOR WATER AND WASTE PIPING EQUAL TO TRUEBRO "LAV GUARD" 2". PROVIDE MCGUIRE CAST BRASS CHROME PLATED TAILPIECE & OPEN GRID STRAINER, ALL METAL PARTS TREATED INSIDE & OUTSIDE WITH SANIGUARD.
P-5A	CLINICAL SERVICE SINK	WALL	NA	AMERICAN STANDARD 9512.999.020, TOP SPUD, SANIGUARD HANDLE ON FRONT OF VALVE, POLISHED CHROME, CHICAGO FAUCETS 814-VBXKCP, WALL MOUNTED, 7-1/2" VACUUM BREAKER SPOUT WITH HOSE THREAD, PAIL, HOOK & PIPE SUPPORT, ELBOW GLADE HANDLES, CERAMIC CARTRIDGE, POLISHED CHROME, CHICAGO FAUCETS BED PAN CLEANER 778-SB777-21KCP, 53" WHITE VINYL HOSE, RUBBER-BOUND SELF-CLOSING SPRAY VALVE, FULL FLOW.	SLOAN FLUSHOMETER MODEL ROYAL 117-H-SG, 6.5 GPF, ANGLE STOP, 1"IPS, TOP SPUD, SANIGUARD HANDLE ON FRONT OF VALVE, POLISHED CHROME, CHICAGO FAUCETS 814-VBXKCP, WALL MOUNTED, 7-1/2" VACUUM BREAKER SPOUT WITH HOSE THREAD, PAIL, HOOK & PIPE SUPPORT, ELBOW GLADE HANDLES, CERAMIC CARTRIDGE, POLISHED CHROME, CHICAGO FAUCETS BED PAN CLEANER 778-SB777-21KCP, 53" WHITE VINYL HOSE, RUBBER-BOUND SELF-CLOSING SPRAY VALVE, FULL FLOW.	INTEGRAL ANGLE STOP ON FLUSH VALVE, ACCESSIBLE CHECK VALVES & SHUTOFFS ON HOT & COLD SUPPLIES.	INTEGRAL	FLOOR SET VERTICALLY ADJUSTABLE SUPPORTS.	4	NA	2	1 1/2	3/4	NA	PROVIDE (3) AMERICAN STANDARD 7835215.075 RIM GUARD.
P-5B	SERVICE SINK	FLOOR	NA	CRANE/FIAT MSB 2424 MOP SERVICE BASIN, 24" X 24" X 10" DEEP, MOLDED STEEL, STAINLESS STEEL DRAIN WITH COMBINATION DOME STRAINER & LINT BASKET.	CHICAGO FAUCETS 560-LD87S/WXF-KXCP, WALL MOUNTED, 5-3/4" VACUUM BREAKER SPOUT WITH HOSE THREAD, PAIL HOOK & WALL BRACE, LEVER HANDLES, CERAMIC CARTRIDGE, POLISHED CHROME.	ACCESSIBLE CHECK VALVES & SHUTOFFS ON HOT & COLD SUPPLIES.	3" P" TRAP	NA	3	3	1-1/2	3/4	3/4	NA	PROVIDE CRANE/FIAT 832-AA HOSE & HOSE BRACKET, 889-CC MOP HANGER, (2) E-88-AA STAINLESS STEEL BUMPERGUARD, (2) MSG2424 STAINLESS STEEL WALL GUARD.
P-6A	SINGLE BOWL SINK	COUNTER - DROP IN	YES	ELKAY LR4D1918, 18 GAUGE, TYPE 304 STAINLESS STEEL, 19" X 18" X 10" DEEP, 3 HOLE, UNDERCOATED.	CHICAGO FAUCETS 786-E29XKABCP, DECK MOUNTED, 5-1/4" RIGID/SWING GOOSENECK SPOUT, 8" CENTERS, WRISTBLADE HANDLES, CERAMIC CARTRIDGE, 2.2 GPM LAMINAR FLOW OUTLET, POLISHED CHROME.	CHICAGO FAUCETS 1017-CSTABCP BRASS BALL VALVE POLISHED CHROME PLATED CAST BRASS ANGLE VALVE KITS, LOOSE KEY, FLEXIBLE RISERS, ESCUTCHEON	McGuire 1-1/2"x1-1/2" CAST BRASS CHROME PLATED P" TRAP, TREATED INSIDE & OUTSIDE WITH SANIGUARD, EXTEND TO WALL WITH ESCUTCHEON	NA	1-1/2	1-1/2	1-1/2	1/2	1/2	NA	PROVIDE MCGUIRE CAST BRASS CHROME PLATED TAILPIECE & OPEN GRID STRAINER, ALL METAL PARTS TREATED INSIDE & OUTSIDE WITH SANIGUARD, PROVIDE WATTS LFMMY MIXING VALVE, NO FLEXIBLE HOSES. PIPE WITH 38" CHROME PLATED BRASS TUBING, LOCATE BELOW SINK.
P-6B	SINGLE BOWL SINK	COUNTER - DROP IN	NO	ELKAY LR1316, 18 GAUGE, TYPE 304 STAINLESS STEEL, 13" X 16" X 7-1/2" DEEP, 3 HOLE, UNDERCOATED.	CHICAGO FAUCETS 786-E29XKABCP, DECK MOUNTED, 5-1/4" RIGID/SWING GOOSENECK SPOUT, 8" CENTERS, WRISTBLADE HANDLES, CERAMIC CARTRIDGE, 2.2 GPM LAMINAR FLOW OUTLET, POLISHED CHROME.	CHICAGO FAUCETS 1017-CSTABCP BRASS BALL VALVE POLISHED CHROME PLATED CAST BRASS ANGLE VALVE KITS, LOOSE KEY, FLEXIBLE RISERS, ESCUTCHEON	McGuire 1-1/2"x1-1/2" CAST BRASS CHROME PLATED P" TRAP, TREATED INSIDE & OUTSIDE WITH SANIGUARD, EXTEND TO WALL WITH ESCUTCHEON	NA	1-1/2	1-1/2	1-1/2	1/2	1/2	NA	PROVIDE MCGUIRE CAST BRASS CHROME PLATED TAILPIECE & OPEN GRID STRAINER, ALL METAL PARTS TREATED INSIDE & OUTSIDE WITH SANIGUARD, PROVIDE WATTS LFMMY MIXING VALVE. NO FLEXIBLE HOSES. PIPE WITH 38" CHROME PLATED BRASS TUBING, LOCATE BELOW SINK.
P-7A	SHOWER	WALL	YES	NA	SYMMONS T-3-B-30-V, HAND HELD SHOWER HEAD, FLOW RATE 2.5 GPM, 72" WHITE VINYL HOSE, 48" SLIDE BAR, INTEGRAL STOPS.	INTEGRAL	NA	NA	2" FD-1	1-1/2	NA	1/2	1/2	NA	PROVIDE POWERS 1411-319 INLINE VACUUM BREAKER ON HAND WAND AT WALL, SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF SHOWER WALLS AND HAND HELD WAND.

MECHANICAL (221319)			
EQUIPMENT	SIZE (IN)	MANUFACTURER	MECHANICAL NOTES
FD-1	SEE PLAN	JOSAM	2
FD-2	SEE PLAN	JOSAM	1

MECHANICAL NOTES:

1. PROVIDE NIKALOY ROUND STRAINER.
2. PROVIDE NIKALOY SQUARE STRAINER.

FLOOR SINK SCHEDULE				
MECHANICAL (221319)				
EQUIPMENT TAG	SIZE (IN)	MANUFACTURER	MODEL NUMBER	MECHANICAL NOTES
FS-1		JOSAM	49580A-31	1
<u>MECHANICAL NOTES:</u>				
1. PROVIDE WITH ALUMINUM SEDIMENT BUCKET.				

[illegible]

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING:

DUNHAM 

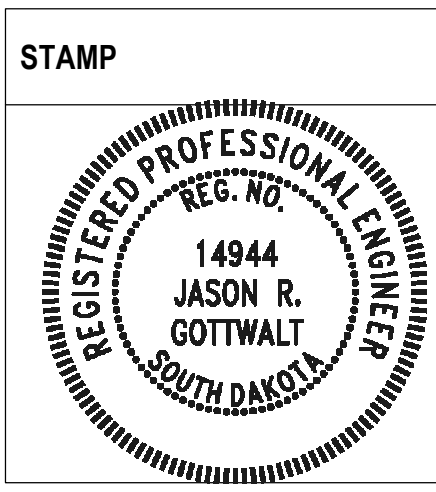
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ARCHITECT OF RECORD

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Sioux Falls, SD 57103
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STONE GROUP
ARCHITECTS



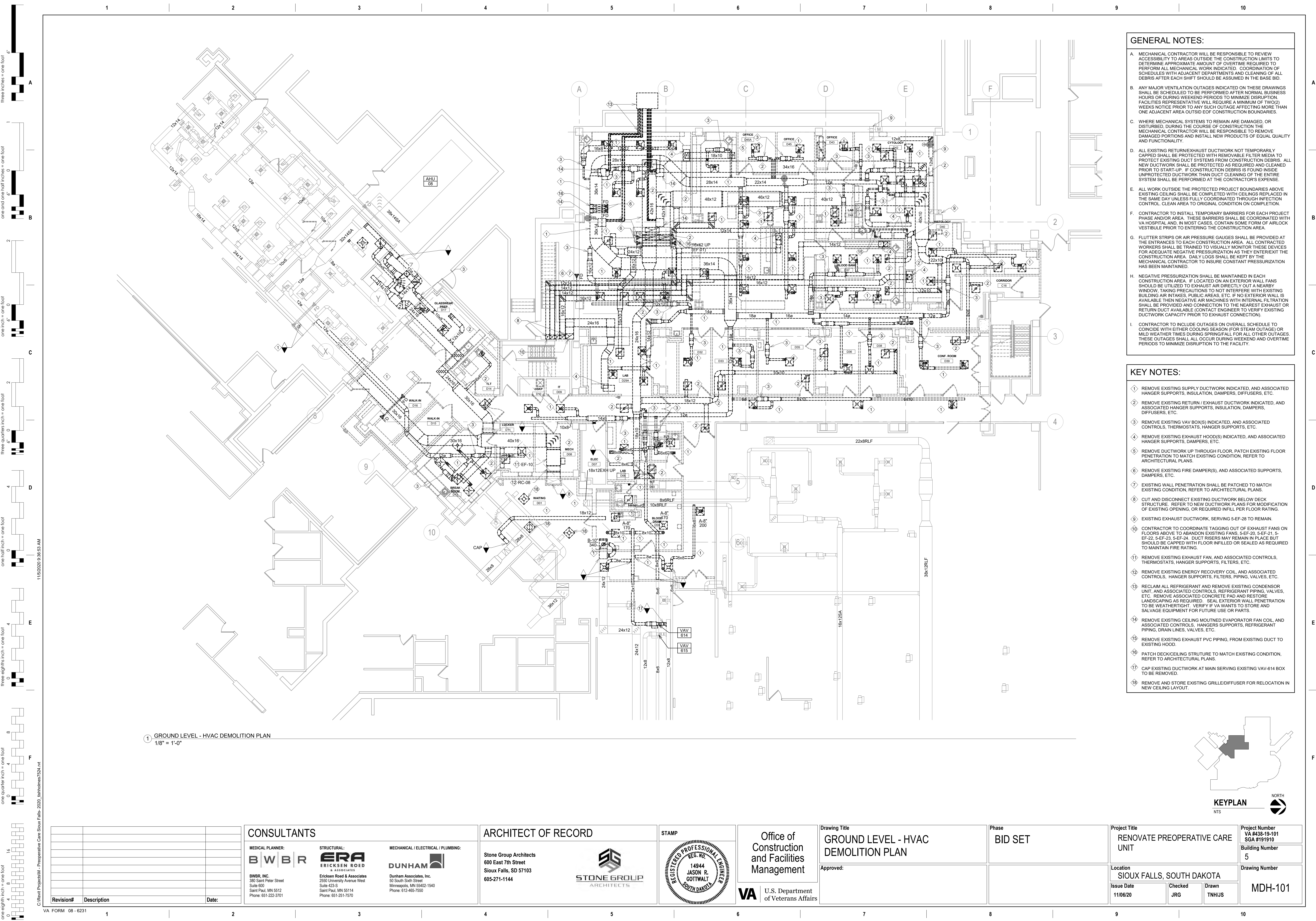
Office of
Construction
and Facilities
Management

VA | U.S. Department
of Veterans Affairs

Drawing Title	
PLUMBING DETAILS AND SCHEDULES	
Approved:	

Phase
BID SET

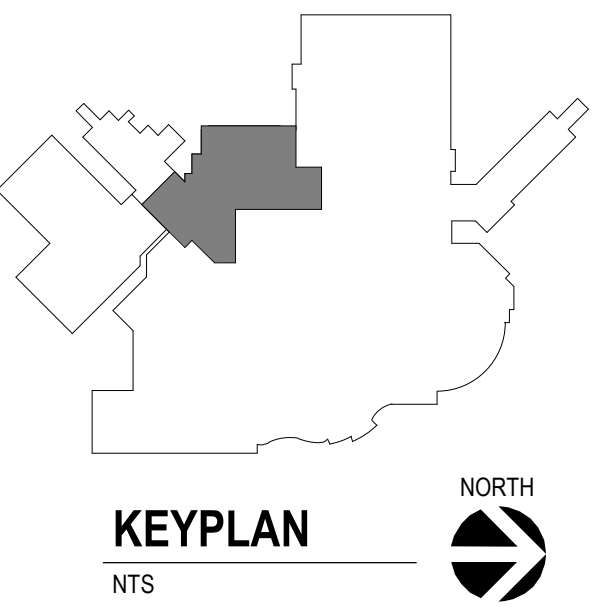
Project Title RENOVATE PREOPERATIVE CARE UNIT			Project Number VA #438-19-101 SGA #191910	
Location SIoux FALLS, SOUTH DAKOTA			Building Number 5	
Issue Date 11/06/20	Checked JRG	Drawn TNHJS	PP-600	



- GENERAL NOTES:**
- A. MECHANICAL CONTRACTOR WILL BE RESPONSIBLE TO REVIEW ACCESSIBILITY TO AREAS OUTSIDE THE CONSTRUCTION LIMITS TO DETERMINE APPROXIMATE AMOUNT OF OVERTIME REQUIRED TO PERFORM ALL MECHANICAL WORK INDICATED. COORDINATION OF SCHEDULES WITH ADJACENT DEPARTMENTS AND CLEANING OF ALL DEBRIS AFTER EACH SHIFT SHOULD BE ASSUMED IN THE BASE BID.
 - B. ANY MAJOR VENTILATION OUTAGES INDICATED ON THESE DRAWINGS SHALL BE SCHEDULED TO BE PERFORMED AFTER NORMAL BUSINESS HOURS OR DURING WEEKEND PERIODS TO MINIMIZE DISRUPTION. FACILITIES REPRESENTATIVE WILL REQUIRE A MINIMUM OF TWO(2) WEEKS NOTICE PRIOR TO ANY SUCH OUTAGE AFFECTING MORE THAN ONE ADJACENT AREA OUTSIDE OF CONSTRUCTION BOUNDARIES.
 - C. WHERE MECHANICAL SYSTEMS TO REMAIN ARE DAMAGED, OR DISTURBED, DURING THE COURSE OF CONSTRUCTION THE MECHANICAL CONTRACTOR WILL BE RESPONSIBLE TO REMOVE DAMAGED PORTIONS AND INSTALL NEW PRODUCTS OF EQUAL QUALITY AND FUNCTIONALITY.
 - D. ALL EXISTING RETURN/EXHAUST DUCTWORK NOT TEMPORARILY CAPPED SHALL BE PROTECTED WITH REMOVABLE FILTER MEDIA TO PROTECT EXISTING DUCT SYSTEMS FROM CONSTRUCTION DEBRIS. ALL NEW DUCTWORK SHALL BE PROTECTED AS REQUIRED AND CLEANED PRIOR TO START-UP. IF CONSTRUCTION DEBRIS IS FOUND INSIDE UNPROTECTED DUCTWORK THEN DUCT CLEANING OF THE ENTIRE SYSTEM SHALL BE PERFORMED AT THE CONTRACTOR'S EXPENSE.
 - E. ALL WORK OUTSIDE THE PROTECTED PROJECT BOUNDARIES ABOVE EXISTING CEILING SHALL BE COMPLETED WITH CEILINGS REPLACED IN THE SAME DAY UNLESS FULLY COORDINATED THROUGH INSPECTION CONTROL. CLEAN AREA TO ORIGINAL CONDITION ON COMPLETION.
 - F. CONTRACTOR TO INSTALL TEMPORARY BARRIERS FOR EACH PROJECT PHASE AND/OR AREA. THESE BARRIERS SHALL BE COORDINATED WITH VA HOSPITAL AND, IN MOST CASES, CONTAIN SOME FORM OF AIRLOCK VESTIBULE PRIOR TO ENTERING THE CONSTRUCTION AREA.
 - G. FLUTTER STRIPS OR AIR PRESSURE GAUGES SHALL BE PROVIDED AT THE ENTRANCES TO EACH CONSTRUCTION AREA. ALL CONTRACTED WORKERS SHALL BE TRAINED TO VISUALLY MONITOR THESE DEVICES FOR ADEQUATE NEGATIVE PRESSURIZATION AS THEY ENTER/EXIT THE CONSTRUCTION AREA. DAILY LOGS SHALL BE KEPT BY THE MECHANICAL CONTRACTOR TO INSURE CONSTANT PRESSURIZATION HAS BEEN MAINTAINED.
 - H. NEGATIVE PRESSURIZATION SHALL BE MAINTAINED IN EACH CONSTRUCTION AREA. IF LOCATED ON AN EXTERIOR WALL FANS SHOULD BE UTILIZED TO EXHAUST AIR DIRECTLY OUT A NEARBY WINDOW, TAKING PRECAUTIONS TO NOT INTERFERE WITH EXISTING BUILDING AIR INTAKES, PUBLIC AREAS, ETC. IF NO EXTERIOR WALL IS AVAILABLE THEN NEGATIVE AIR MACHINES WITH INTERNAL FILTRATION SHALL BE PROVIDED AND CONNECTION TO THE NEAREST EXHAUST OR RETURN DUCT AVAILABLE (CONTACT ENGINEER TO VERIFY EXISTING DUCTWORK CAPACITY PRIOR TO EXHAUST CONNECTION).
 - I. CONTRACTOR TO INCLUDE OUTAGES ON OVERALL SCHEDULE TO COINCIDE WITH EITHER COOLING SEASON (FOR STEAM OUTAGES) OR MILD WEATHER TIMES DURING SPRING/FALL FOR ALL OTHER OUTAGES. THESE OUTAGES SHALL ALL OCCUR DURING WEEKEND AND OVERTIME PERIODS TO MINIMIZE DISRUPTION TO THE FACILITY.

- KEY NOTES:**
- 1. REMOVE EXISTING SUPPLY DUCTWORK INDICATED, AND ASSOCIATED HANGER SUPPORTS, INSULATION, DAMPERS, DIFFUSERS, ETC.
 - 2. REMOVE EXISTING RETURN / EXHAUST DUCTWORK INDICATED, AND ASSOCIATED HANGER SUPPORTS, INSULATION, DAMPERS, ETC.
 - 3. REMOVE EXISTING VAV BOX(S) INDICATED, AND ASSOCIATED CONTROLS, THERMOSTATS, HANGER SUPPORTS, ETC.
 - 4. REMOVE EXISTING EXHAUST HOOD(S) INDICATED, AND ASSOCIATED HANGER SUPPORTS, DAMPERS, ETC.
 - 5. REMOVE DUCTWORK UP THROUGH FLOOR, PATCH EXISTING FLOOR PENETRATION TO MATCH EXISTING CONDITION, REFER TO ARCHITECTURAL PLANS.
 - 6. REMOVE EXISTING FIRE DAMPER(S), AND ASSOCIATED SUPPORTS, DAMPERS, ETC.
 - 7. EXISTING WALL PENETRATION SHALL BE PATCHED TO MATCH EXISTING CONDITION, REFER TO ARCHITECTURAL PLANS.
 - 8. CUT AND DISCONNECT EXISTING DUCTWORK BELOW DECK STRUCTURE. REFER TO NEW DUCTWORK PLANS FOR MODIFICATION OF EXISTING OPENING, OR REQUIRED INFILL PER FLOOR RATING.
 - 9. EXISTING EXHAUST DUCTWORK, SERVING 5-EF-28 TO REMAIN.
 - 10. CONTRACTOR TO COORDINATE TAGGING OUT OF EXHAUST FANS ON FLOORS ABOVE TO ABANDON EXISTING FANS. 5-EF-20, 5-EF-21, 5-EF-22, 5-EF-23, 5-EF-24. DUCT RISERS MAY REMAIN IN PLACE BUT SHOULD BE CAPPED WITH FLOOR INFILL OR SEALED AS REQUIRED TO MAINTAIN FIRE RATING.
 - 11. REMOVE EXISTING EXHAUST FAN, AND ASSOCIATED CONTROLS, THERMOSTATS, HANGER SUPPORTS, FILTERS, ETC.
 - 12. REMOVE EXISTING ENERGY RECOVERY COIL, AND ASSOCIATED CONTROLS. HANGER SUPPORTS, FILTERS, PIPING, VALVES, ETC.
 - 13. RECLAIM ALL REFRIGERANT AND REMOVE EXISTING CONDENSOR UNIT, AND ASSOCIATED CONTROLS, REFRIGERANT PIPING, VALVES, ETC. REMOVE ASSOCIATED CONCRETE PAD AND RESTORE LANDSCAPING AS REQUIRED. SEAL EXTERIOR WALL PENETRATION TO BE WEATHERTIGHT. VERIFY IF VA WANTS TO STORE AND SALVAGE EQUIPMENT FOR FUTURE USE OR PARTS.
 - 14. REMOVE EXISTING CEILING MOUNTED EVAPORATOR FAN COIL, AND ASSOCIATED CONTROLS, HANGERS SUPPORTS, REFRIGERANT PIPING, DRAIN LINES, VALVES, ETC.
 - 15. REMOVE EXISTING EXHAUST PVC PIPING, FROM EXISTING DUCT TO EXISTING HOOD.
 - 16. PATCH DECK/CEILING STRUCTURE TO MATCH EXISTING CONDITION, REFER TO ARCHITECTURAL PLANS.
 - 17. CAP EXISTING DUCTWORK AT MAIN SERVING EXISTING VAV-614 BOX TO BE REMOVED.
 - 18. REMOVE AND STORE EXISTING GRILLE/DIFFUSER FOR RELOCATION IN NEW CEILING LAYOUT.

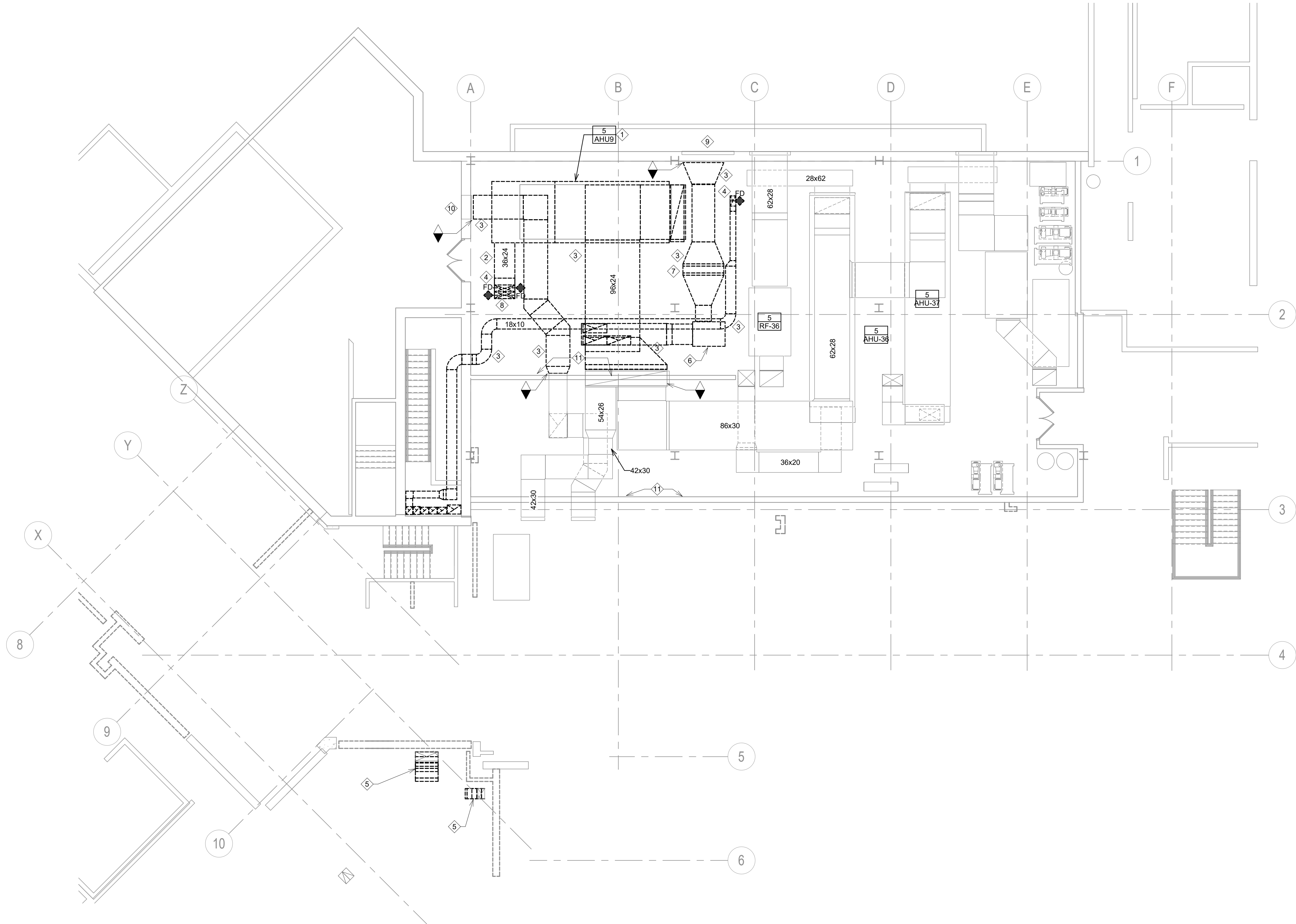
1 GROUND LEVEL - HVAC DEMOLITION PLAN
1/8" = 1'-0"



CONSULTANTS		ARCHITECT OF RECORD		STAMP		Office of Construction and Facilities Management		Drawing Title GROUND LEVEL - HVAC DEMOLITION PLAN		Phase BID SET		Project Title RENOVATE PREOPERATIVE CARE UNIT		Project Number VA #438-19-101 SGA #191910	
MEDICAL PLANNER: BWBR BWBR, INC. 380 Saint Peter Street Suite 600 Saint Paul, MN 55112 Phone: 651-222-3701		STRUCTURAL: ERA ERICKSEN ROED & ASSOCIATES Ericksen Roed & Associates 2650 University Avenue West Suite 423-S Saint Paul, MN 55114 Phone: 651-251-7370		MECHANICAL / ELECTRICAL / PLUMBING: DUNHAM Dunham Associates, Inc. 91 South Sixth Street Minneapolis, MN 55402-1540 Phone: 612-465-7550		Stone Group Architects 600 East 7th Street Sioux Falls, SD 57103 605-271-1144		14944 JASON R. GOTTMALT REGISTERED PROFESSIONAL ENGINEER SOUTH DAKOTA		Approved:		Location SIOUX FALLS, SOUTH DAKOTA		Drawing Number MDH-101	
Revision# Description Date:												Issue Date 11/06/20		Checked JRG	
												Drawn TNH/JS			

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

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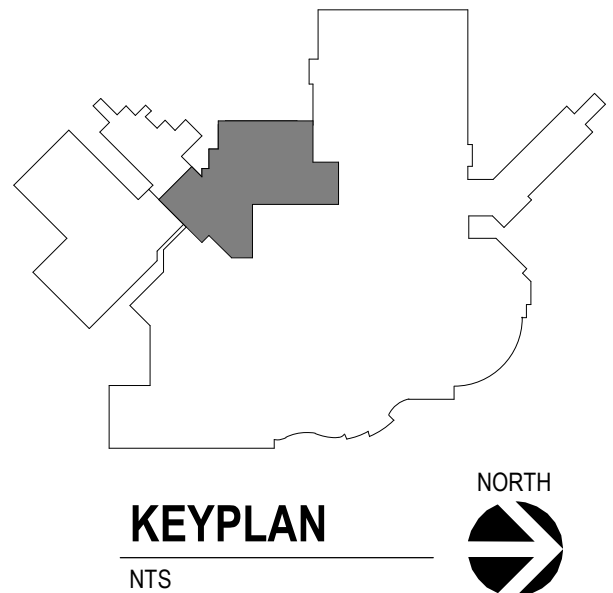
1 FIRST LEVEL - HVAC DEMOLITION PLAN
1/8" = 1'-0"

GENERAL NOTES:

- A. ASSUMPTION IS THAT ENTIRE AREA SERVED BY EXISTING AHU WILL BE VACATED SIMULTANEOUSLY AND CAN BE REMOVED AND REPLACED WITHOUT REQUIRING A TEMPORARY SERVICE FOR VENTILATION.
- B. IF WORK ON AHU REPLACEMENT IS BEING PERFORMED DURING PERIODS OF HIGH OUTDOOR TEMPERATURES (OR HUMIDITY), OR DURING PERIODS AT RISK OF FREEZING, THAN CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE TEMPORARY HEATING OR COOLING WITHIN CONSTRUCTION AREA TO PREVENT ANY POTENTIAL DAMAGE CAUSED BY HIGH HUMIDITY, OR LOW TEMPERATURE, CONDITIONS.
- C. COORDINATE DELIVERY PATH FOR INCOMING EQUIPMENT AND MATERIALS. SUGGESTED ROUTE IS TO CRANE MATERIALS ONTO ROOF AND TRANSPORT IN THROUGH DOUBLE DOORS AT EAST END OF MECHANICAL ROOM. CONTRACTOR TO NOTE THAT THERE ARE SEVERAL EXISTING ELEVATION CHANGES ALONG THIS ROUTE THAT WILL NEED TO BE ACCOUNTED FOR WHILE TRANSPORTING LARGE PIECES OF EQUIPMENT. REVIEW SITE CONDITIONS PRIOR TO BIDS.
- D. COORDINATE REMOVAL OF ALL DEMOLISHED MATERIALS WITH INFECTION CONTROL REPRESENTATIVE. ANY HAZARDOUS MATERIAL ENCOUNTERED SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACT OFFICE REPRESENTATIVE FOR COORDINATION OF REMOVAL. REFER TO SPECIFICATIONS FOR REPLACEMENT OF ANY INSULATION REMOVED DURING ABATEMENT PROCESS.
- E. PART OF THE PROJECT'S WORK SCOPE IS TO APPLY EPOXY FLOORING THROUGHOUT MECHANICAL ROOM (BY OTHERS). ALL DEMOLITION SHALL TAKE THIS INTO CONSIDERATION WITH UNUSED EQUIPMENT CURBS, OR FLOOR PENETRATIONS SHALL ALL BE REMOVED AND PATCHED TO CREATE A SMOOTH FLOOR SURFACE FOR FINISHING. TRANSPORTING OF NEW MATERIALS AND/OR EQUIPMENT MAY OCCUR OVER THIS NEW EPOXY FLOOR AND CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE OR SCRATCHING OF EPOXY FLOOR.
- F. CONTRACTOR WILL HAVE CONTINUAL ACCESS TO THIS MECHANICAL SPACE BUT STILL MUST COORDINATE ANY WORK THAT CREATES EXCESSIVE NOISE AND/OR VIBRATION WITH ADJACENT AREAS. ASSUME THAT SOME NOISE/VIBRATION PRODUCING ACTIVITIES WILL BE REQUIRED TO BE PERFORMED DURING PREMUM HOURS.
- G. MAINTAINING NEGATIVE PRESSURIZATION WITHIN MECHANICAL ROOM DURING CONSTRUCTION, ALONG WITH FOLLOWING ALL OTHER ICRA REQUIREMENTS, WILL BE ENFORCED THROUGHOUT PROJECT SCHEDULE. IF CONTRACTOR WANTS TO USE SPACE WITHIN MECHANICAL ROOM FOR STAGING MATERIALS, OR SETTING UP TEMPORARY WORK SPACE, IT SHOULD BE COORDINATED AND APPROVED BY VA CONTRACTING OFFICER REPRESENTATIVE.

KEY NOTES:

- 1 REMOVE EXISTING HAU UNIT, AND ASSOCIATED CONTROLS, THERMOSTATS, HANGER SUPPORTS, FILTERS, ETC.
- 2 REMOVE EXISTING SUPPLY DUCTWORK INDICATED, AND ASSOCIATED HANGER SUPPORTS, INSULATION, DAMPERS, DIFFUSERS, ETC.
- 3 REMOVE EXISTING RETURN / EXHAUST DUCTWORK INDICATED, AND ASSOCIATED HANGER SUPPORTS, INSULATION, DAMPERS, DIFFUSERS, ETC.
- 4 REMOVE DUCTWORK DOWN THROUGH FLOOR, PATCH EXISTING FLOOR PENETRATION TO MATCH EXISTING CONDITION, REFER TO ARCHITECTURAL PLANS.
- 5 REMOVE EXISTING EXHAUST GOOSE NECK DUCTWORK ON ROOF.
- 6 REMOVE EXISTING EXHAUST FAN, AND ASSOCIATED CONTROLS, THERMOSTATS, HANGER SUPPORTS, FILTERS, ETC.
- 7 REMOVE EXISTING ENERGY RECOVERY COIL, AND ASSOCIATED CONTROLS, HANGER SUPPORTS, FILTERS, PIPING, VALVES, ETC.
- 8 PATCH DECK/CEILING STRUCTURE TO MATCH EXISTING CONDITION, REFER TO ARCHITECTURAL PLANS.
- 9 EXISTING LOUVER TO REMAIN. CLEAN AND REFURBISH, REFER TO SHEET MH-400 FOR NEW CONNECTION.
- 10 EXISTING LOUVER TO REMAIN. CAP EXISTING LOUVER REFER TO SHEET MH-400.
- 11 CONTROLS CONTRACTOR TO EVALUATE ALL EXISTING CONTROL PANELS WITHIN THIS MECHANICAL ROOM AND FULLY REMOVE ALL CONTROL WIRING/TUBING SENSORS, WALL PANELS, ETC-RELATED TO DEMOLISHED EQUIPMENT. PATCH REMAINING WALL AS REQUIRED AND CONFIGURE NEW PANELS AND EQUIPMENT IN SAME LOCATION.



Revision#	Description	Date:

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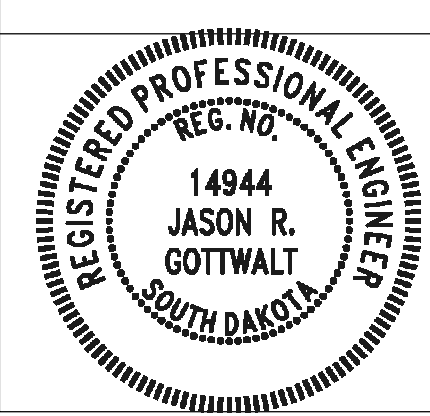
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STAMP



Office of
Construction
and Facilities
Management



U.S. Department
of Veterans Affairs

Drawing Title

FIRST LEVEL - HVAC DEMOLITION
PLAN

Approved:

Phase

BID SET

Project Title

RENOVATE PREOPERATIVE CARE
UNIT

Location

SIoux FALLS, SOUTH DAKOTA

Issue Date

11/06/20

Checked

JRG

Drawn

TNH/JS

Project Number

VA #438-19-101
SGA #191910

Building Number

5

Drawing Number

MDH-111