Woodrow Wilson Keeble Memorial Health Center USP Compliance

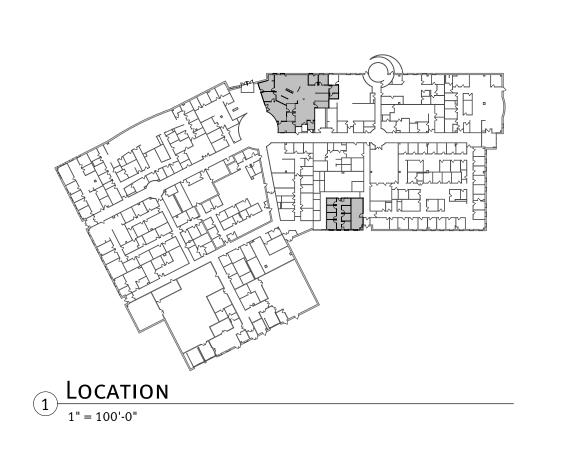
100 Lake Traverse Drive
Sisseton, SD 57262
IHS Project # HHSI102201800141
Project Number: 022003.00

	ARCHITECTURAL GENERAL NOTES
1	GENERAL NOTES APPLY TO ALL DRAWING SHEETS.
2.	REVIEW THE CONSTRUCTION DOCUMENTS PRIOR TO START OF CONSTRUCTION. NOTIFY ARCHITECT UPON ENCOUNTERING ANY UNFORESEEN CONDITIONS, DISCREPANCIES, ERRORS, OR INCONSISTENCIES.
3.	Work shall be done in accordance with all rules and regulations of all applicable safety and building codes. The General Contractor is responsible for securing and paying for all permits required and for the scheduling of all required inspections during the course of the project.
4.	THE GENERAL CONTRACTOR SHALL TAKE PRECAUTIONS AND BE RESPONSIBLE FOR THE SAFETY OF ALL BUILDING OCCUPANTS FROM CONSTRUCTION PROCEDURES DURING CONSTRUCTION TO MINIMIZE DISTURBANCES TO ADJACENT SPACES AND /OR STRUCTURES AND THEIR OCCUPANTS, PROPERTY, PUBLIC THOROUGHFARES, ETC. MAINTAIN ALL REQUIRED EXITS DURING CONSTRUCTION.
5.	ALL MATERIALS AND SYSTEMS SHALL BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS AND ALL CONSTRUCTION SHALL BE OF INDUSTRY STANDARD OR BETTER.
6.	Do not scale drawings. Verify all dimensions in the field for accuracy prior to construction. No extra charge or compensation shall be allowed because of difference between actual dimensions and those indicated on the drawings, unless they contribute to a change in the scope of work.
7.	In the event of conflict between data shown on drawings and data shown in the Specification, the Work of greater quality or quantity shall be provided, in accordance with the Architect's interpretation, and no change in the Contract Sum will be permitted. Detail drawings take precedent over drawings of larger scope. Notify Architect if at any time an error or discrepancy is discovered.
8.	IMMEDIATELY NOTIFY ARCHITECT OF ANY LONG LEAD ITEMS THAT WILL AFFECT THE COMPLETION DATE
9.	ALL WOOD IN CONTACT WITH CONCRETE OR CONCRETE BLOCK TO BE PRESSURE TREATED - TYPICAL.
10.	PROVIDE METAL BACKING AND / OR TREATED WOOD BLOCKING FOR ALL WALL MOUNTED EQUIPMENT (GRAB BARS, TOILET ROOM ACCESSORIES, TV MOUNTS, HEADWALLS, EQUIPMENT RAILS, ETC.) VERIFY HEIGHT AND LENGTH WITH ACTUAL EQUIPMENT.
11.	PATCH ALL DISTURBED FIREPROOFING AS REQUIRED TO MAINTAIN RATING. REPAIR AND INSTALL ALL FIREPROOFING AS REQUIRED BY CODE. FIREPROOF ANY NEW PENETRATIONS REQUIRED BY THE WORK. REFER TO CODE SUMMARY FOR RATINGS.
12.	ALL EXPOSED METAL TO RECEIVE PAINT UNLESS OTHERWISE NOTED
13.	ALL ADJACENT DISSIMILAR MATERIALS TO RECEIVE CAULKING, INCLUDING EQUIPMENT MOUNTED TO WALLS

ABBREVIATIONS							
SV	SHEET VINYL						
3.	SHEET VIIITE	LAM	LAMINATE				
ADJ	ADJUSTABLE	LVT	LUXURY VINYL TILE				
AFF	ABOVE FINISHED FLOOR						
AHU	AIR HANDLING UNIT	MECH	MECHANICAL				
ALT	ALTERNATE	MIN	MINIMUM				
ALUM	ALUMINUM	MISC	MISCELLANEOUS				
APPROX	APPROXIMATE	MTL	METAL				
ARCH	ARCHITECT		WEI/IE				
	,	NIC	NOT IN CONTRACT				
B.O.	BOTTOM OF	NTS	NOT TO SCALE				
B.SPLASH	BACKSPLASH	1113	1101 10 30/122				
BLKG	BLOCKING	OC	ON CENTER				
DENG	BEOCKING	00	ON CENTER				
C-TOP	COUNTERTOP	PC	PRECAST				
CLG	CEILING	PLAM / P.LAM.	PLASTIC LAMINATE				
CLR	CLEAR	PLYWD	PLYWOOD				
CMU	CONCRETE MASONRY UNIT	PNT	PAINT				
CONC	CONCRETE	PTD	PAPER TOWEL DISPENSER				
CPT	CARPET	110	TALER TOWER DIST ENSER				
CT	CERAMIC TILE	RCP	REFLECTED CEILING PLAN				
CI	CENAIMIC TIEE	REF	REFRIGERATOR				
D	DEEP	REINF	REINFORCED				
DIM	DIMENSION	REQD	REQUIRED				
DISP	DISPENSER	RTU	ROOF TOP UNIT (MECH.)				
DISF	DISF LINSER	KIU	ROOF FOR GIVE (MECH.)				
EA	EACH	S.SPLASH	SIDESPLASH				
EIFS	EXTERIOR INSULATION & FINISH SYSTEM	SACT	SUSPENDED ACOUSTICAL CEILING TILE				
ELEC	ELECTRICAL	SCHED	SCHEDULE				
EQ	EQUAL	SD	SOAP DISPENSER				
EQUIP / EQPT.	EQUIPMENT	SEAL	SEALANT				
EXST / EX. / EXIST.	EXISTING	SF	SQUARE FOOT (FEET)				
LASI / LA. / LAISI.	EXISTING	SIM	SIMILAR				
F.T.	FIRE TREATED	SIP	STRUCTURAL INSULATED (OR INSULATING)				
F.V.	FIELD VERIFY	SIF	PANEL				
FE	FIRE EXTINGUISHER	SPEC	SPECIFICATION				
FEC	FIRE EXTINGUISHER CABINET	SS	STAINLESS STEEL				
FLR	FLOOR	SSM	SOLID SURFACE MATERIAL				
FRP	FIBERGLASS REINFORCED PANEL	STL	STEEL				
FUR	FURRING	STRUCT	STRUCTURAL CONSULTANT				
TUK	TUNNING	311.001	STRUCTURE CONSCENTION				
GALV	GALVANIZED	T.O.	TOP OF				
GLAZ	GLAZING	TRTD	TREATED				
GYP. BD. / G.BD / GBD		TYP	TYPICAL				
עםט / עםיט / יעם י וויס	OH SOM BOARD	• • •					
НМ	HOLLOW METAL	VB	VINYL BASE				
HT	HEIGHT	VCT	VINYL COMPOSITION TILE				
111	HEIGHT	VIF	VERIFY IN FIELD				
ICF	INSULATED (OD INSULATING) CONCRETE FORM	VWC	VINYL WALL COVERING				
	INSULATED (OR INSULATING) CONCRETE FORM		THE WILL SO VENING				
INSUL	INSULATION	W/	WITH				
		W/O	WITHOUT				
		••, •	WITHOUT				

WOOD





Symbols								
ELEVATION LABEL 100'-0" T.O. STL.	MATCHLINE IDENTIF (WHI	ICATION EN REQ'D)	BREAKLINE	NOTE IDENTIFICATION (LEADER OPTIONAL)				
ELEVATION REFERENCE ELEVATION NUMBER	SECTION REFERENCE	E SECTION NUMBER	DETAIL REFER	DETAIL NUMBER				
NUMBER————————————————————————————————————	3 A5.	SHEET NUMBER		A7.1 SHEET NUMBER AREA TO BE DETAILED OR ENLARGED				
TOILET ROOM NAME ROOM ROOM NUMBER	WINDOW TAG (W205)	DOOR TAG	WALL TAG	— SEQUENTIAL INDICATOR APPROXIMATE — THICKNESS IN INCHES				
TITLE MARKER VIEW TITLE VIEW SCALE	REVISION IDENTIFIC	ATION -REVISION TYPE -REVISION NUMBER	NORTH ARRO					
REPRESENTS NEW DOOR		REPRESENTS EXISTING DOOR TO REMAIN		REPRESENTS EXISTING DOOR TO BE REMOVED.				
WALLS WITH HATCH INDICATE NEW		WALLS SHADED GRAY INDICATE EXISTING TO		DASHED LINES INDICATE WALLS & ITEMS TO BE				

REMAIN

CONSTRUCTION

2-Arch	ITECTURAL								
A1.1	LIFE SAFETY PLAN & SU	MMARY							
A1.3	DEMO PLAN								
A2.1	AMBULANCE GARAGE								
A2.2	PHARMACY								
A3.1	A3.1 FIRST FLOOR RCP								
A4.1	SCHEDULES AND TYPES								
A7.1	Interior Elevations								
A8.1	DETAILS								
3-Месн	ANICAL								
M0.1	MECHANICAL TITLE SH	ICCT							
M1.1	PHARMACY - MECHANIC								
M1.1	AMBULANCE GARAGE -		MOLITION						
M2.1	PHARMACY - FIRE PROT		WOLITION						
M2.1 M2.2	AMBULANCE GARAGE -		1						
M3.0	PHARMACY - UNDERFLO								
M3.1	PHARMACY - PLUMBING								
M4.1	PHARMACY - PIPING	<u> </u>							
M4.2	AMBULANCY GARAGE -	Рівімс							
M5.1	PHARMACY - HVAC	FING							
M5.2	AMBULANCE GARAGE -	HVΔC							
M6.1	MECHANICAL SHEDULES								
M7.1	MECHANICAL DETAILS	,							
,									
4-ELECT									
E0.1	ELECTRICAL TITLE SHE	ET							
E1.1	PHARMACY - ELECTRICA								
E1.2	Ambulance Garage -	ELECTRICAL DEM	OLITION						
E2.1	Pharmacy - Lighting								
E2.2	AMBULANCE GARAGE -								
E3.1	FIRST FLOOR PLAN - PO								
E3.2	PHARMACY - POWER & S								
E3.3	AMBULANCE GARAGE -		MS						
E4.1	SCHEDULES - ELECTRICA								
E4.2	Schedules - Electrica	AL .							
E5.1	DETAILS - ELECTRICAL								
	MA	TERIALS							
	EARTH		RIGID INSULATION						
, 51 ₂ 5 ⁷ .	COMPACT FILL/SA	ND	BATT INSULATION						
	POROUS FILL/GRA	VEL	GYPSUM BOARD						
	FACE BRICK		PLYWOOD						
	CMU		CONT. ROUGH WOO						

CONCRETE

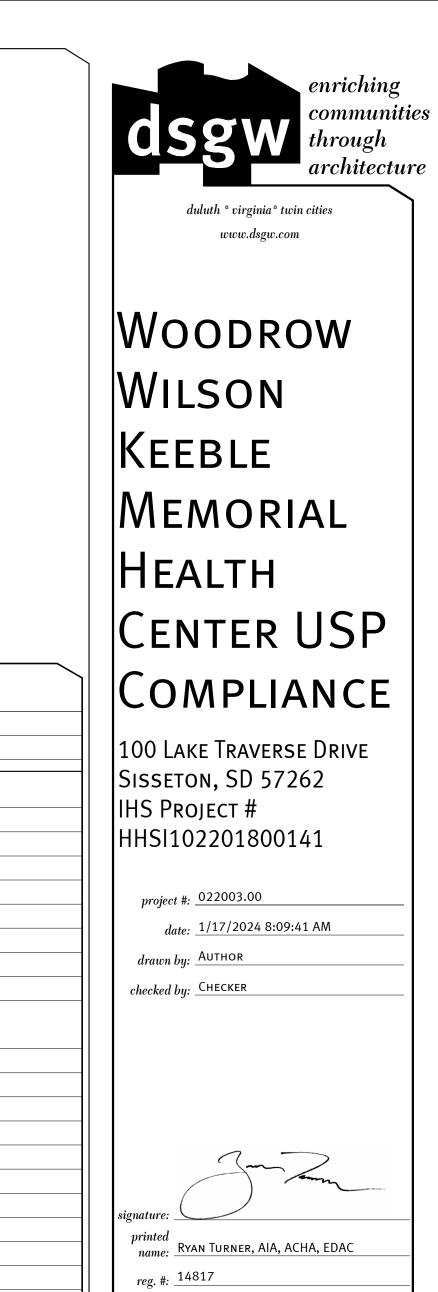
REMOVED.

STUD WALL/METAL

SHEET INDEX

0-Cover Sheet

A0.1 TITLE SHEET



sign date: 01/12/2024

revision /

sheet title: TITLE SHEET

WOOD BLOCKING

FINISHED WOOD

date 2023/07/26

LIFE SAFETY ANALYSIS

PROJECT: IHS WOODROW WILLSON KEEBLE MEMORIAL HEALTH CENTER USP COMPLIANCE PROJECT NUMBER: 020053.00

LOCATION: Sisseton, SD 57262

ARCHITECT: DSGW ARCHITECTS
PREPARED BY:
OCCUPANCY: B (PHARMACY)
CONST. TYPE: II-B

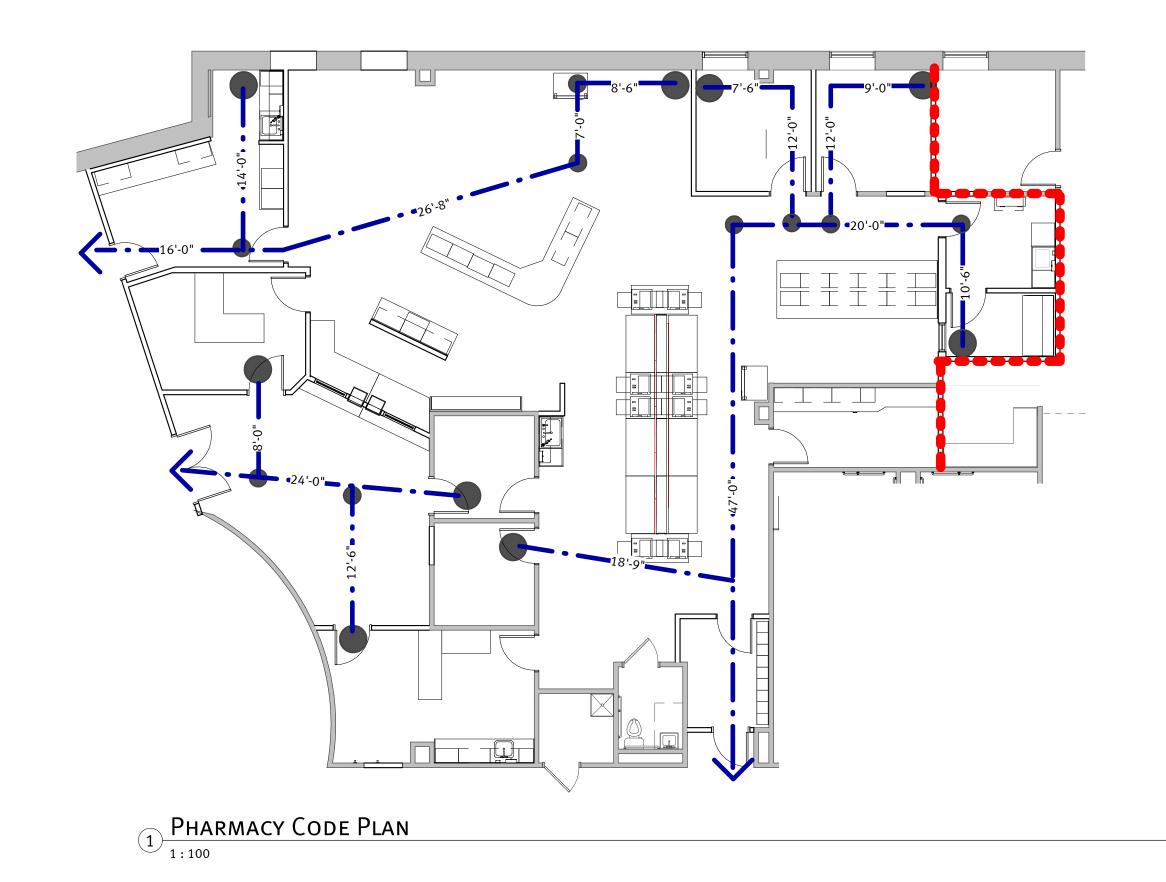
OCCUPANT LOAD:
CODE(S) USED: International Building Code, 2018 Edition

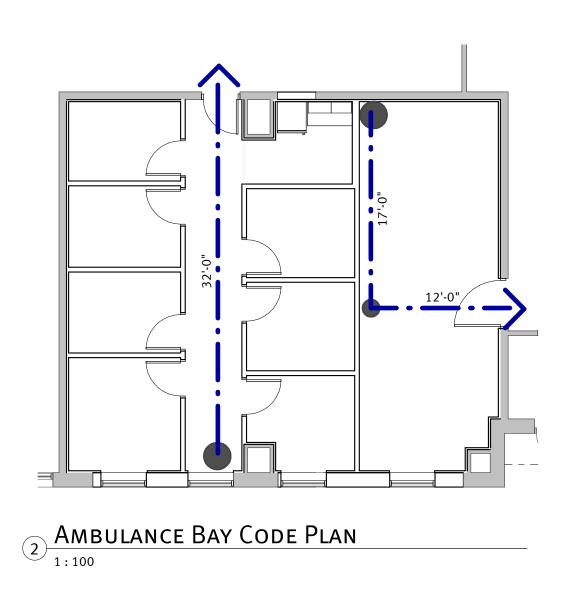
YES	Is This a Nonseperated Occupancy?	NO	NEW
NO	Is This a Seperated Occupancy?	YES	REMODEL
В	OCCUPANCY	YES	ADDITION
92,000 SF	BASIC ALLOWABLE FOOTPRINT	YES	SPRINKLED
86,616 SF	ACTUAL FOOTPRINT	YES	FIRE ALARM SYSTEM
80,010 37	ACTUAL FOOTI KINT		
4.674 SF	PROJECT AREA		

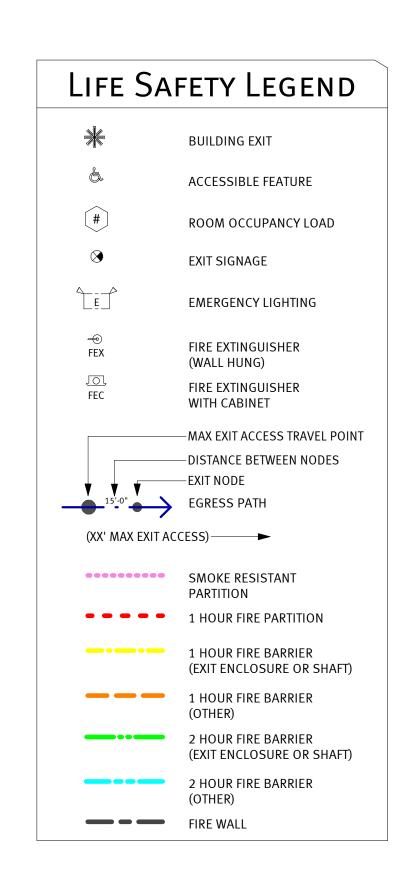
PROJECT AREA 4,674 SF
ALLOWABLE HEIGHT 75'

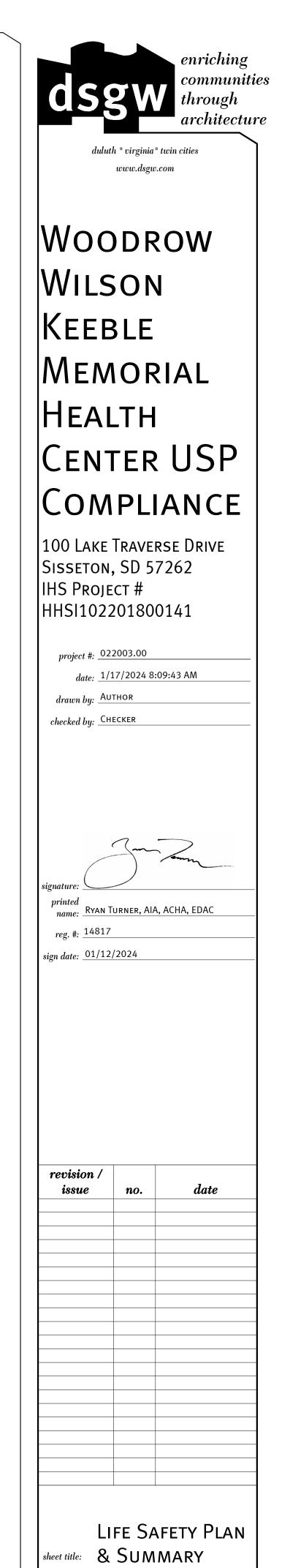
ACTUAL NUMBER OF STORIES 1

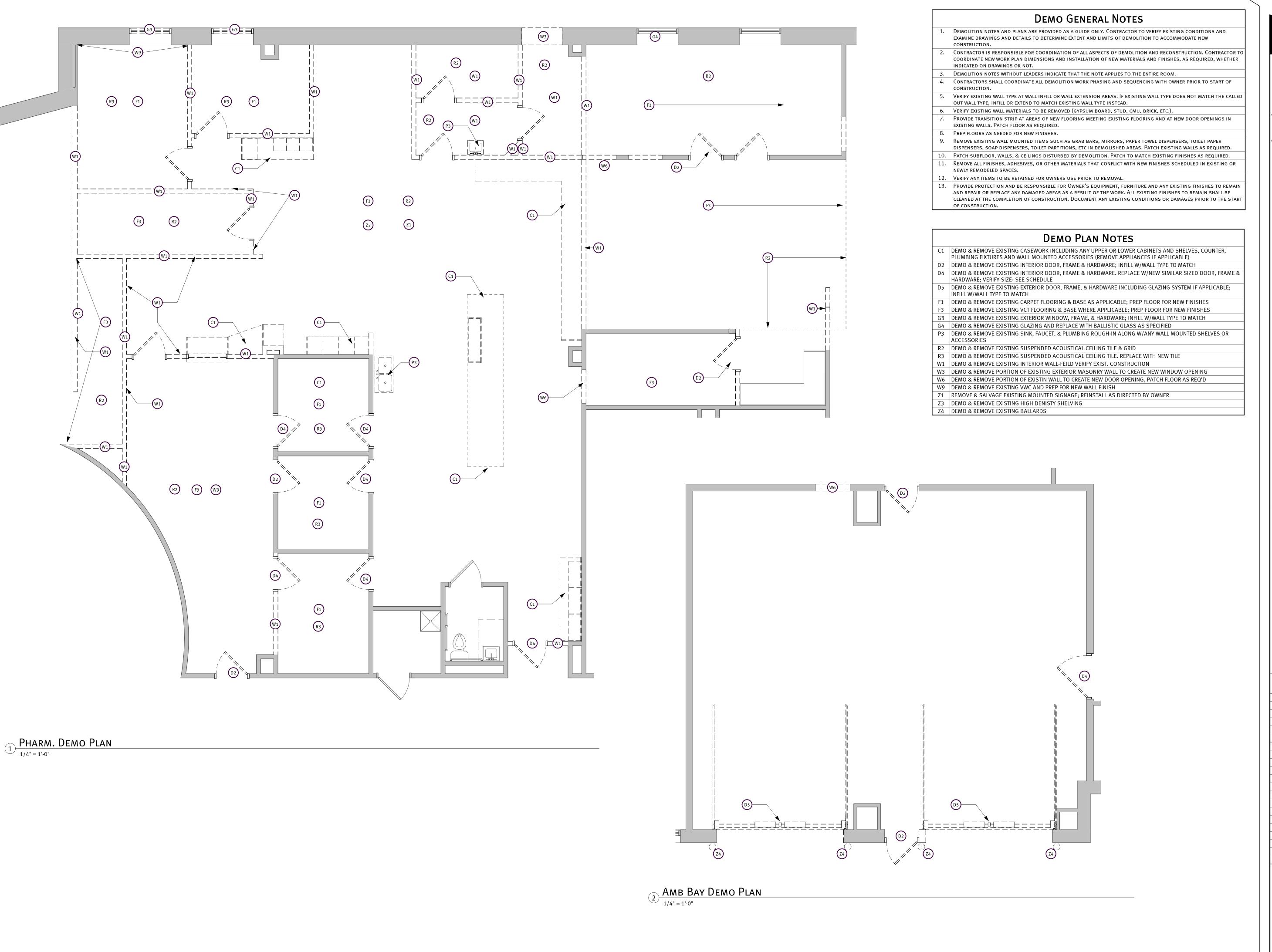
BUILDING ELEMENT	Түре		
Fire-Resistive Rating (Table 601/	II-B		
	STRUCTU	ral Frame	0 HR (EXIST)
D	EXTERIOR	0 HR (EXIST)	
Bearing Walls	Interior	0 HR (EXIST)	
		X < 30	0 HR (EXIST)
Nonbearing Walls	EXTERIOR	X = 30</td <td>0 HR (EXIST)</td>	0 HR (EXIST)
	Interior	0 HR (EXIST)	
FLOOR CONSTRUCTION			0 HR (EXIST)
Roof Construction			0 HR (EXIST)











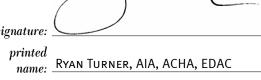


duluth * virginia* twin cities www.dsgw.com

Woodrow WILSON KEEBLE MEMORIAL HEALTH CENTER USP COMPLIANCE

100 Lake Traverse Drive Sisseton, SD 57262 IHS Project # HHSI102201800141

project #:	022003.00
	1/17/2024 8:09:46 AM
drawn by:	Author
checked by:	CHECKER



sign date: <u>01/12/2024</u>

revision / date

sheet title: DEMO PLAN



	AMBULANCE BAY ROOM FINISH SCHEDULE										
		FLO	OOR		WALL FINISH				CEILING		
NO.	NAME	FINISH	BASE	NORTH	EAST	SOUTH	WEST	MAT'L	FINISH	NOTES	
101	FLEX SPACE	VCT-1	RBR	PNT-2	PNT-2	PNT-2	PNT-2	SACT			
102	Cooridoor	CPT-1	RBR	PNT-1	PNT-1	PNT-1	PNT-1	SACT			
103	Work Room	CPT-1	RBR	PNT-1	PNT	PNT	PNT	SACT			
104	Office 1	CPT-2	RBR	PNT-2	PNT-2	PNT-2	PNT-2	SACT			
105	Office 2	CPT-2	RBR	PNT-2	PNT-2	PNT-2	PNT-2	SACT			
106	Office 3	CPT-2	RBR	PNT-2	PNT-2	PNT-2	PNT-2	SACT			
107	Office 4	CPT-2	RBR	PNT-2	PNT-2	PNT-2	PNT-2	SACT			
108	Office 5	CPT-2	RBR	PNT-2	PNT-2	PNT-2	PNT-2	SACT			
109	Office 6	CPT-2	RBR	PNT-2	PNT-2	PNT-2	PNT-2	SACT			
110	Office 7	CPT-2	RBR	PNT-2	PNT-2	PNT-2	PNT-2	SACT			

	DC	OR			FRA	AME				
					DETAIL				HDW.	
NO.	WIDTH	HEIGHT	TYPE	TYPE	HEAD	JAMB	SILL	FIRE LABEL	NO.	NOTES
101	4'-0"	7'-0"	Α						10	
102	3'-0"	7'-0"	Α	HM-F1	1/A4.1	2/A4.1			04	
104	3'-0"	7'-0"	А	HM-F1	1/A4.1	2/A4.1			11	
105	3'-0"	7'-0"	А	HM-F1	1/A4.1	2/A4.1			04	
106	3'-0"	7'-0"	Α	HM-F1	1/A4.1	2/A4.1			04	
107	3'-0"	7'-0"	Α	HM-F1	1/A4.1	2/A4.1			04	
108	3'-0"	7'-0"	Α	HM-F1	1/A4.1	2/A4.1			04	
109	3'-0"	7'-0"	А	HM-F1	1/A4.1	2/A4.1			04	
110	3'-0"	7'-0"	А	HM-F1	1/A4.1	2/A4.1			04	

- GENERAL NOTES APPLY TO ALL DRAWING SHEETS.
- REVIEW THE CONSTRUCTION DOCUMENTS PRIOR TO START OF CONSTRUCTION. NOTIFY ARCHITECT UPON ENCOUNTERING ANY UNFORESEEN CONDITIONS, DISCREPANCIES, ERRORS, OR INCONSISTENCIES.
- Work shall be done in accordance with all rules and regulations of all applicable safety and building codes. The General CONTRACTOR IS RESPONSIBLE FOR SECURING AND PAYING FOR ALL PERMITS REQUIRED AND FOR THE SCHEDULING OF ALL REQUIRED
- INSPECTIONS DURING THE COURSE OF THE PROJECT. THE GENERAL CONTRACTOR SHALL TAKE PRECAUTIONS AND BE RESPONSIBLE FOR THE SAFETY OF ALL BUILDING OCCUPANTS FROM CONSTRUCTION PROCEDURES DURING CONSTRUCTION TO MINIMIZE DISTURBANCES TO ADJACENT SPACES AND OR STRUCTURES AND THEIR
- ALL MATERIALS AND SYSTEMS SHALL BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS AND ALL CONSTRUCTION SHALL BE OF INDUSTRY
- Do not scale drawings. Verify all dimensions in the field for accuracy prior to construction. No extra charge or COMPENSATION SHALL BE ALLOWED BECAUSE OF DIFFERENCE BETWEEN ACTUAL DIMENSIONS AND THOSE INDICATED ON THE DRAWINGS,

OCCUPANTS, PROPERTY, PUBLIC THOROUGHFARES, ETC. MAINTAIN ALL REQUIRED EXITS DURING CONSTRUCTION.

- UNLESS THEY CONTRIBUTE TO A CHANGE IN THE SCOPE OF WORK. In the event of conflict between data shown on drawings and data shown in the Specification, the Work of greater quality OR QUANTITY SHALL BE PROVIDED, IN ACCORDANCE WITH THE ARCHITECT'S INTERPRETATION, AND NO CHANGE IN THE CONTRACT SUM WILL BE PERMITTED. DETAIL DRAWINGS TAKE PRECEDENT OVER DRAWINGS OF LARGER SCOPE. NOTIFY ARCHITECT IF AT ANY TIME AN ERROR OR DISCREPANCY IS DISCOVERED.
- IMMEDIATELY NOTIFY ARCHITECT OF ANY LONG LEAD ITEMS THAT WILL AFFECT THE COMPLETION DATE
- ALL WOOD IN CONTACT WITH CONCRETE OR CONCRETE BLOCK TO BE PRESSURE TREATED TYPICAL. 10. Provide metal backing and / or treated wood blocking for all wall mounted equipment (grab bars, toilet room accessories,
- TV MOUNTS, HEADWALLS, EQUIPMENT RAILS, ETC.) VERIFY HEIGHT AND LENGTH WITH ACTUAL EQUIPMENT. PATCH ALL DISTURBED FIREPROOFING AS REQUIRED TO MAINTAIN RATING. REPAIR AND INSTALL ALL FIREPROOFING AS REQUIRED BY CODE.
- FIREPROOF ANY NEW PENETRATIONS REQUIRED BY THE WORK. REFER TO CODE SUMMARY FOR RATINGS. 12. ALL EXPOSED METAL TO RECEIVE PAINT UNLESS OTHERWISE NOTED
- 13. ALL ADJACENT DISSIMILAR MATERIALS TO RECEIVE CAULKING, INCLUDING EQUIPMENT MOUNTED TO WALLS

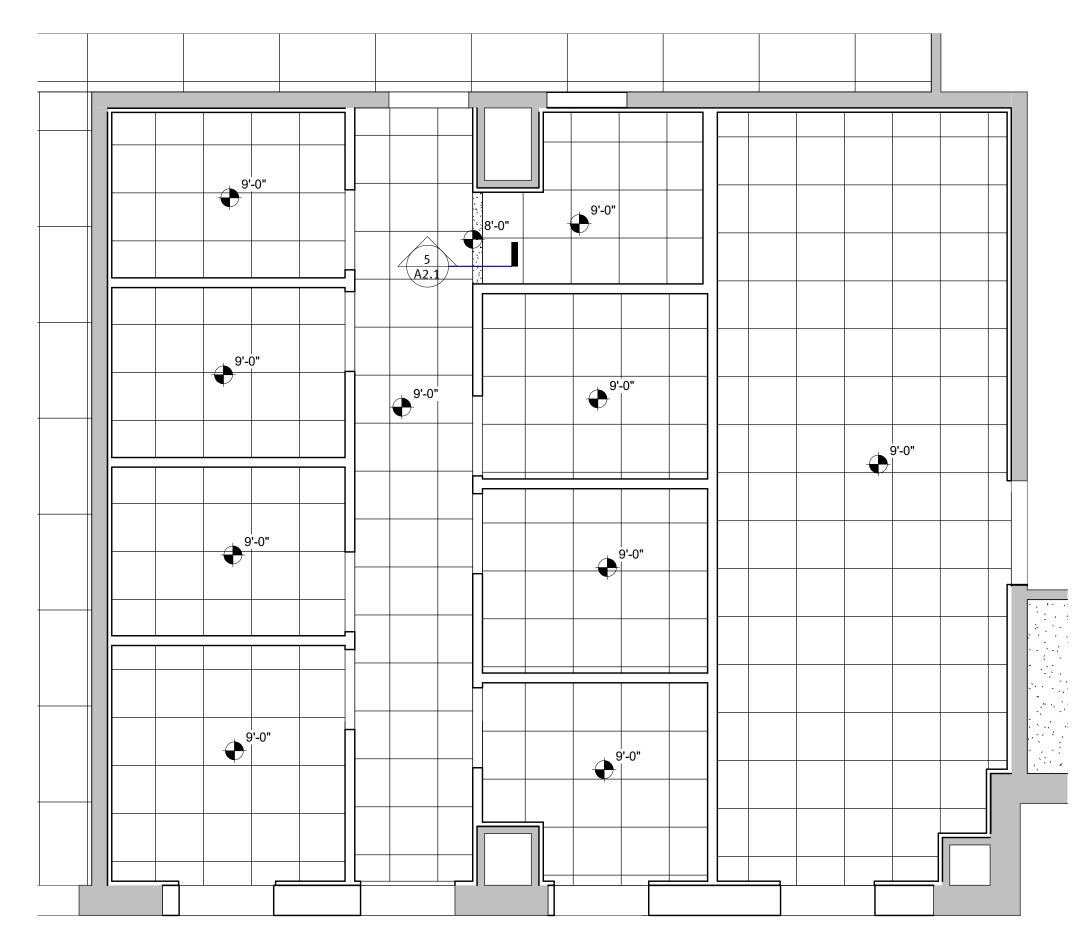
FLOOR PLAN GENERAL NOTES

- INTERIOR DIMENSIONS ARE TO FINISHED FACE OF STUD WALL, FACE OF MASONRY WALLS, TO CENTERLINE OF COLUMNS OR TO OTHER GRID POINTS UNLESS OTHERWISE NOTED. DIMENSIONS LABELED AS CLEAR OR CLR INDICATE MINIMUM DISTANCE TO FINISHED FACE OF WALLS. DIMENSIONS ARE TO FINISHED FACE OF EXISTING WALLS IF APPLICABLE.
- B ALL INTERIOR DOOR FRAMES TO BE 4" FROM ADJACENT WALL OR CENTERED BETWEEN WALLS UNLESS OTHERWISE NOTED.
- FURNITURE & EQUIPMENT SHOWN IS FOR REFERENCE ONLY AND IS NOT INCLUDED IN THE CONTRACT.
- D COORDINATE SIZE AND LOCATION OF ALL DUCT AND SHAFT OPENINGS IN WALLS AND FLOORS WITH MEP
- E FIRE RATED WALLS ARE INDICATED ON THE LIFE SAFETY PLAN.
- ALL PARTITIONS ARE TYPE "SC" UNLESS NOTED OTHERWISE G PROVIDE A CORNER GUARD WHERE SYMBOL IS SHOWN AT A WALL CORNER

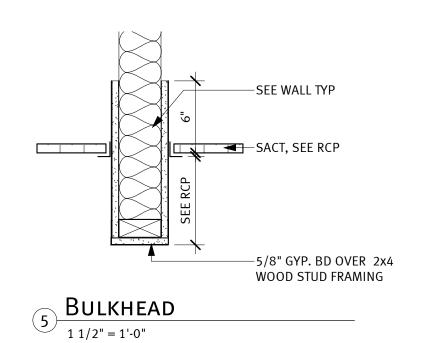
RCP GENERAL NOTES

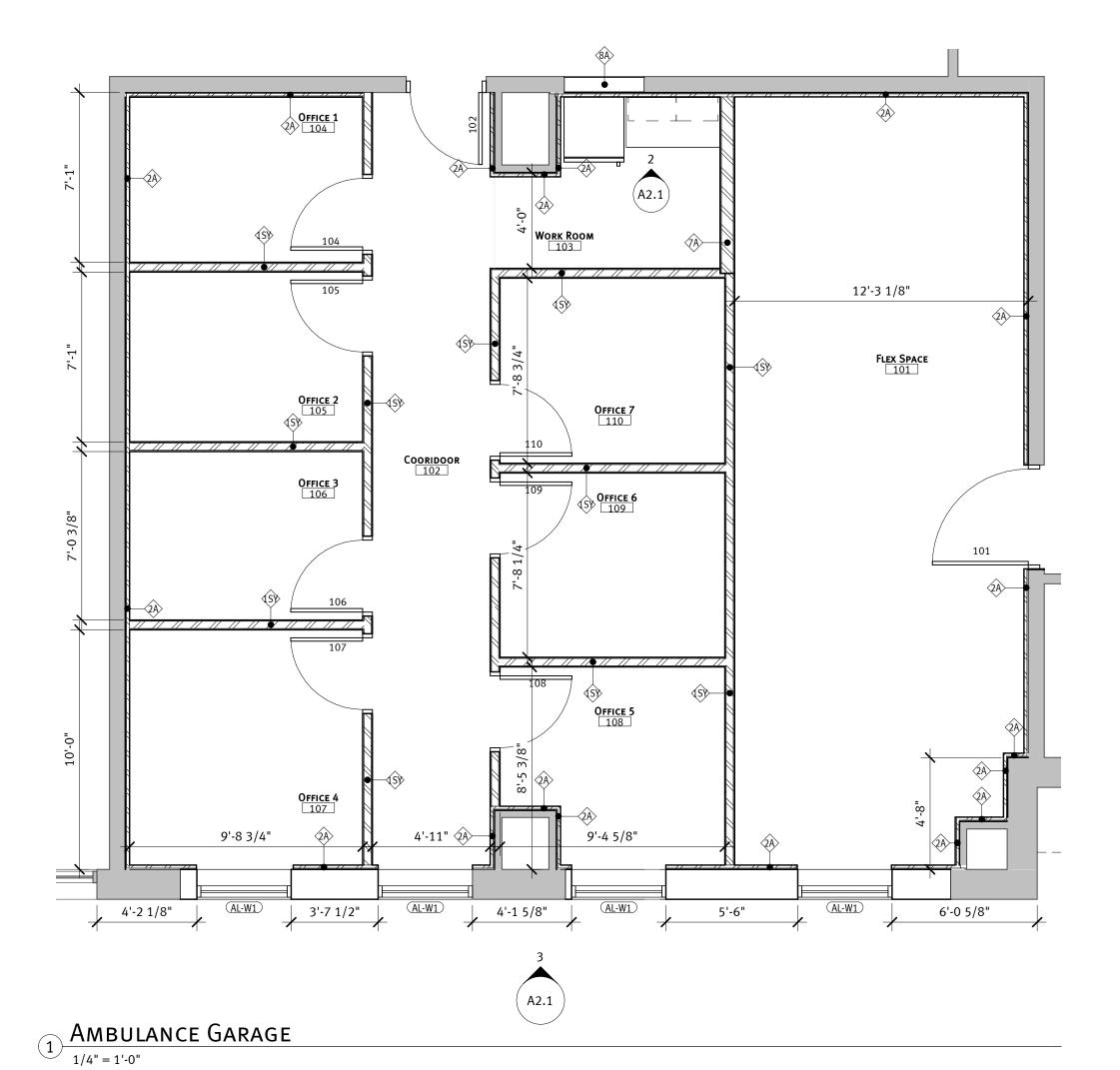
SUSPENDED ACOUSTICAL CEILING TILE GRID IS TO BE CENTERED IN RECTANGULAR ROOM OR CENTERED

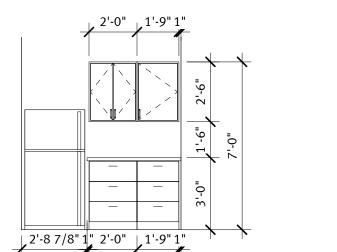
- COORDINATE FINAL LOCATIONS OF CEILING MOUNTED EQUIPMENT W/ OWNER AND ARCHITECT.
- SEE M&E DRAWINGS FOR LIGHTING, GRILLS, AND DIFFUSER LOCATIONS.
- BETWEEN THE LONGEST WALLS OF IRREGULARLY SHAPED ROOMS UNLESS OTHERWISE NOTED. . VERIFY GYPSUM BOARD CONTROL JOINT LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.
- CEILING HEIGHTS INDICATED ARE FROM FINISHED FLOOR OF CURRENT LEVEL SHOWN.



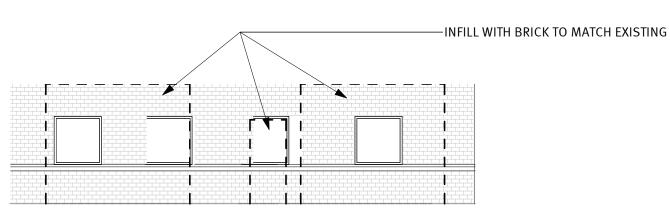












ROLLING SERVICE DOOR INFILL

1/8" = 1'-0"

AMBULANCE sheet title: GARAGE



duluth * virginia* twin cities

www.dsgw.com

Woodrow

MEMORIAL

CENTER USP

COMPLIANCE

100 Lake Traverse Drive

date: 1/17/2024 8:09:50 AM

printed
name: RYAN TURNER, AIA, ACHA, EDAC

date

SISSETON, SD 57262

HHSI102201800141

project #: 022003.00

drawn by: AUTHOR

checked by: CHECKER

sign date: 01/12/2024

revision /

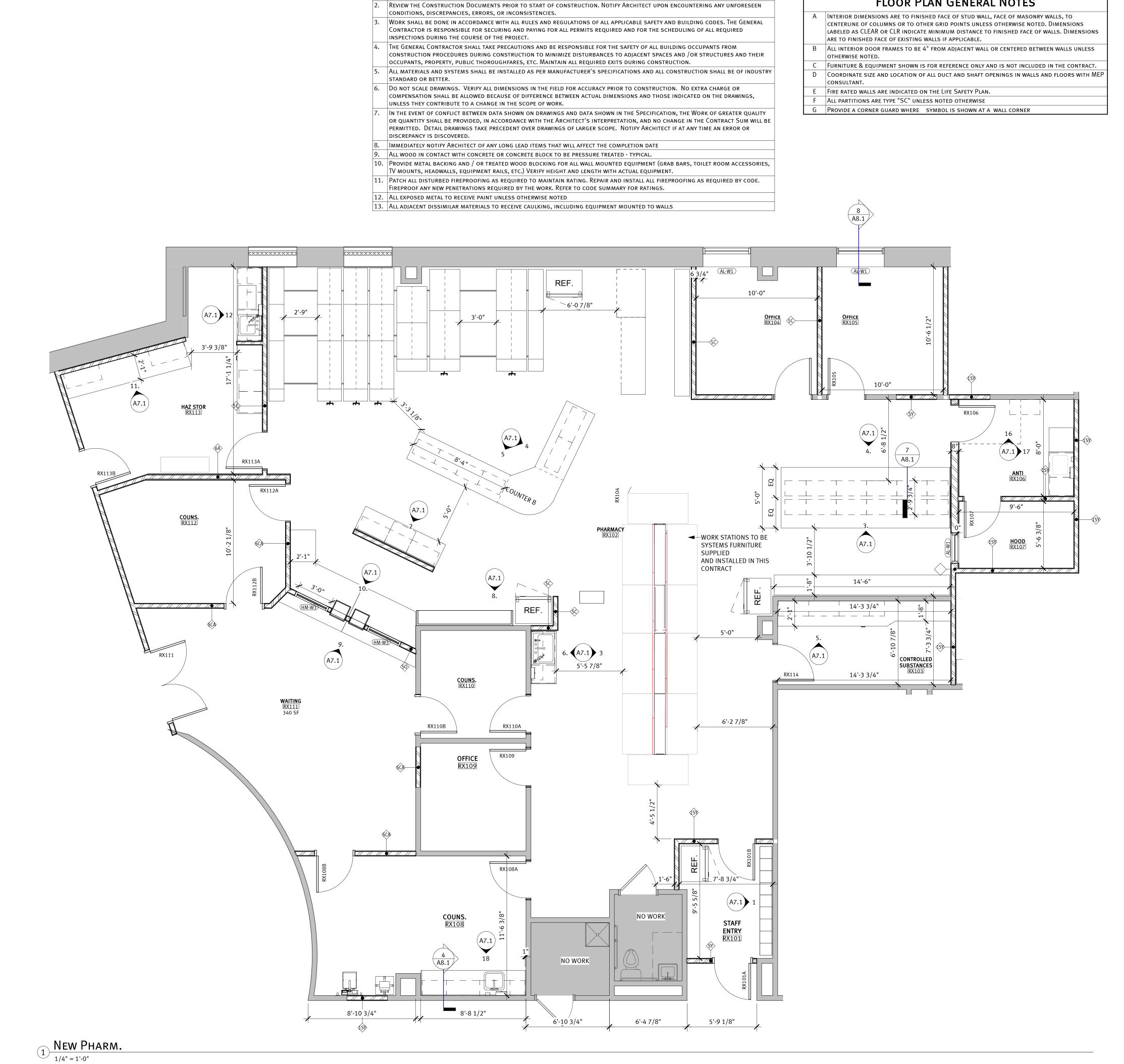
issue

IHS Project #

WILSON

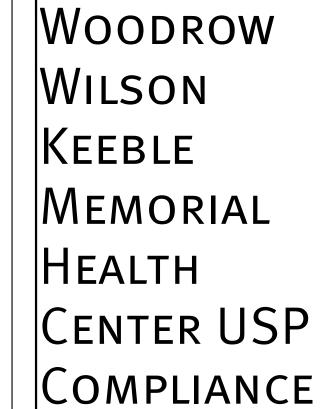
KEEBLE

HEALTH



GENERAL NOTES APPLY TO ALL DRAWING SHEETS.





duluth * virginia* twin cities

www.dsgw.com

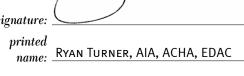
100 Lake Traverse Drive Sisseton, SD 57262 IHS Project # HHSI102201800141

project #: 022003.00

date: 1/17/2024 8:09:54 AM

drawn by: AUTHOR

checked by: CHECKER



reg. #: 14817
sign date: 01/12/2024

 revision /
 date

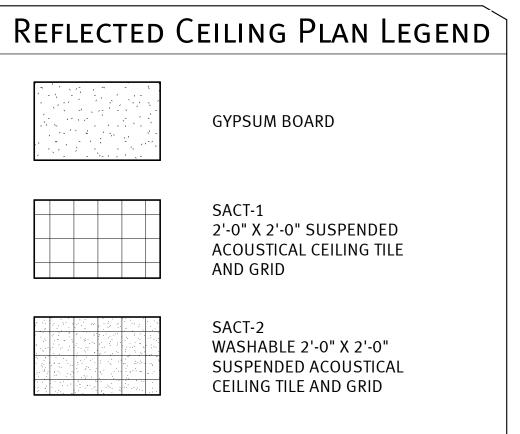
 issue
 no.

 ADD
 1

 2023/07/26

sheet title: PHARMACY





RCP GENERAL NOTES

- COORDINATE FINAL LOCATIONS OF CEILING MOUNTED EQUIPMENT W/ OWNER AND ARCHITECT.
 SEE M&E DRAWINGS FOR LIGHTING, GRILLS, AND DIFFUSER LOCATIONS.
- Suspended acoustical ceiling tile grid is to be centered in rectangular room or centered between the longest walls of irregularly shaped rooms unless otherwise noted.
- VERIFY GYPSUM BOARD CONTROL JOINT LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.CEILING HEIGHTS INDICATED ARE FROM FINISHED FLOOR OF CURRENT LEVEL SHOWN.

WOODROW
WILSON
KEEBLE
MEMORIAL
HEALTH
CENTER USP
COMPLIANCE
100 Lake Traverse Drive
Sisseton, SD 57262
IHS Project #

www.dsgw.com

SISSETON, SD 57262
IHS PROJECT #
HHSI102201800141

project #: 022003.00

date:	1/17/2024 8:09:55 AM
drawn by:	Author
checked by:	
спескей бу.	

signature:

printed
name:

RYAN TURNER, AIA, ACHA, EDAC

sign date: 01/12/2024

revision /
issue no. date

sheet title: FIRST FLOOR RCP

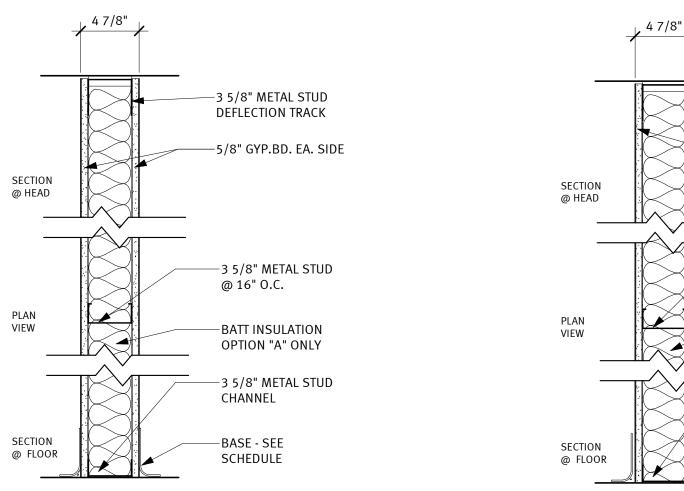
A3.1



1 PHARMACY RCP

WALL TYPES

NOTE: ALL WALLS SHALL BE BUILT TO STRUCTURE ABOVE UNLESS OTHERWISE NOTED



NON-RATED PARTITION

3.5" METAL STUB AT 1' 3.75" O.C. W/
1/2" GWB BOTH SIDES TO
STRUCTURE

1/2" ABOVE CEILING W/ 1/8" GWB
BOTH SIDES

3.5" METAL STUB AT 1'-3.75" O.C. TO
1/2" ABOVE CEILING W/ ACOUSTICAL
INSULATION W/ 1/8" GWB BOTH

3.5" METAL STUB AT 1'-3.75" O.C. TO

SIDES. PROVIDE ACOUSTICAL INSULATION 2'-0" ON BOTH SIDES OF PARTITION ABOVE CEILING

3.5" METAL STUDS AT 1'-3.75" O.C. INSULATION W/ 1/8" GWB BOTH SIDES.

3.5" METAL STUDS AT 1'-3.75" O.C. INSULATION W/ 1/8" GWB BOTH SIDES. PROVIDE ACOUSTICAL INSULATION 2'-0" ON BOTH SIDES OF PARTITION ABOVE CEILING

COUNS.

HAZ STOR

RX101

RX102

RX103

RX104

RX105

RX106

RX107

RX108

RX109

RX110

RX111

RX112

RX113

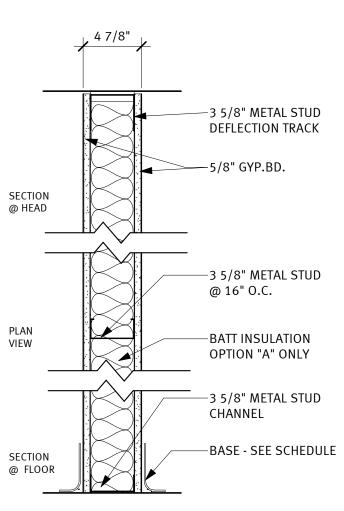
TITION

3.5" METAL STUD AT 1'-3.75" O.C. W/
1/8" GWB BOTH SIDES TO STRUCTURE.
DIAMOND SECURITY MESH ATTATCHED

3.5" METAL STUD AT 1'-3.75 O.C. W/
ACOUSTICAL INSUKATION W/ 1/8" GWB
BOTH SIDES TO STRUCTURE. DIAMOND
SECURITY MESH ATTATCHED TO ONE SIDE
OF STUD.

TO ONE SDE OF STUD.

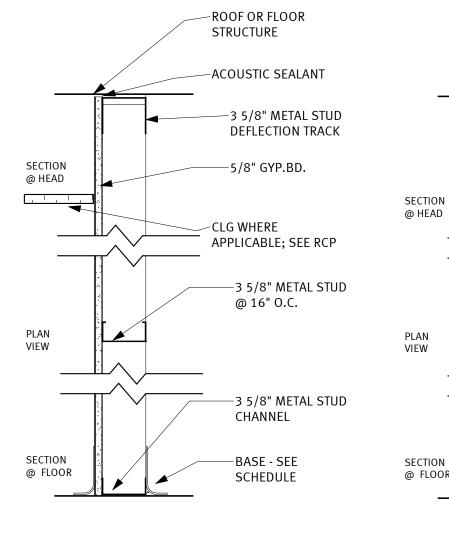
6" METAL STUDS AT 1'-3.75" O.C. W/
ACOUSTICAL INSULATION W/ 1/8" GWB BOTH
SIDES TO STRUCTURE. DIAMOND SECURITY
MESH ATTATCHED TO ONE SIDE OF STUD.



ONE HOUR FIRE RATING UL DES NO. U465

3.5" METAL STUDS AT 1'-3.75" O.C. W/ 1/8" FR GWB BOTH SIDES W/ ACOUSTICAL INSULATION TO SECURE

3.62" METAL STUDS AT 1'-3.75" O.C.
W/ 1/8" FR GWB BOTH SIDES TO
STRUCTURE WITH DIAMOND
SECURITY MESH ATTACHED TO ONE
SIDE OF STUD



OPTION "O" - ONE GWB FACE ONLY

3.5" METAL STUDS AT 1'-3.75" O.C.

EXTERIOR WALL ASSEMBLIES

-1/2" GYP SHEATHING

-1.2" RIGID INSULATION

-FACE BRICK

-BRICK TIE

-2" AIR SPACE

-5/8" GYP

** FIELD VERIFY**

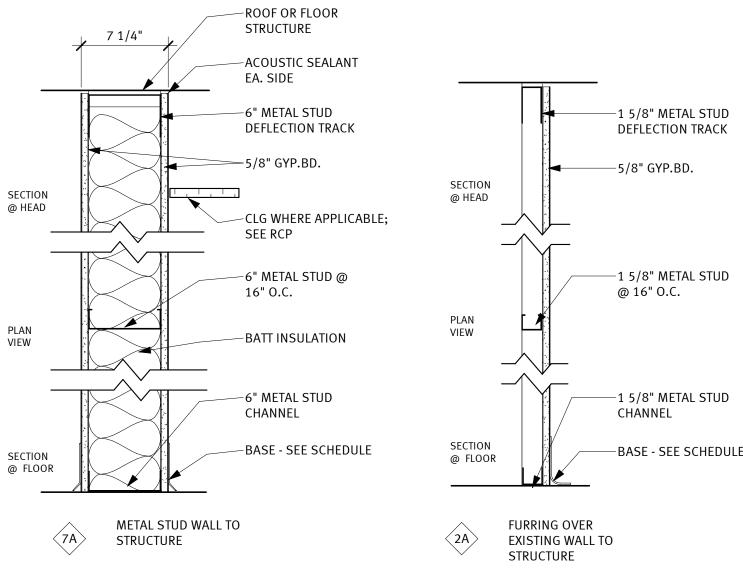
-6" MTL STUD

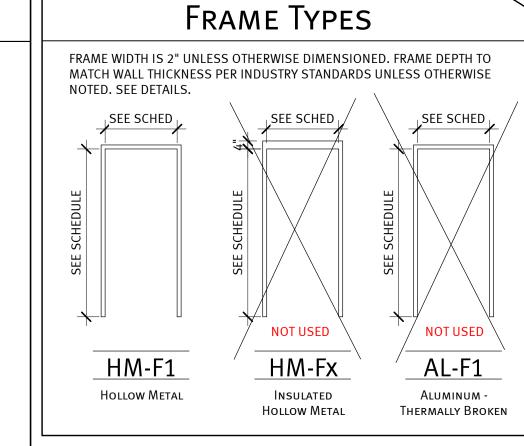
VAPOR BARRIER

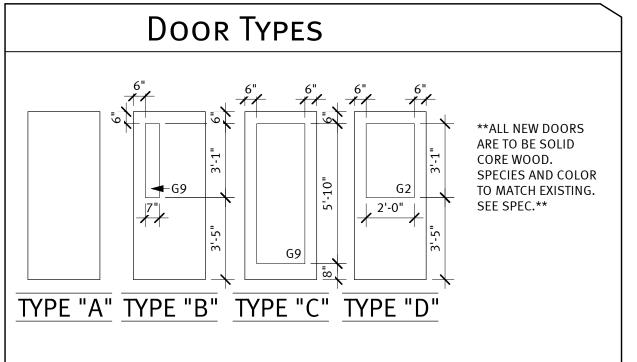
BUILDING FELT

-BATT INSULATION

W/ 1/8" FR GWB ONE FACE ONLY







PHARMACY ROOM FINISH SCHEDULE **FLOOR WALL FINISH** CEILING NAME **FINISH** BASE NORTH **EAST** SOUTH **FINISH** NOTES STAFF ENTRY COVE PNT-3 PNT-3 PNT-3 PNT-3 SACT **PHARMACY** COVE PNT-1 PNT-1 PNT-1 SACT PNT-1 PNT-1 SACT CONTROLLED SUBSTANCES COVE PNT-1 VCT-1 PNT-2 SACT RBR PNT-2 PNT-2 PNT-2 OFFICE OFFICE VCT-1 RBR PNT-2 PNT-2 PNT-2 PNT-2 SACT ANTI COVE PNT-1 PNT-1 PNT-1 PNT-1 SACT WASHABLE HOOD COVE PNT-1 PNT-1 PNT-1 PNT-1 WASHABLE PNT-3 COUNS. COVE PNT-3 PNT-3 PNT-3 SACT SACT OFFICE PNT-2 PNT-2 COUNS. COVE PNT-3 PNT-3 PNT-3 SACT VCT-1 SACT WAITING RBR PNT-3/VWC PNT-3/VWC PNT-3/VWC PNT-3/VWC

PNT-3

PNT-1

PNT-3

PNT-1

SACT

SACT

PHARMACY WINDOW INFILL

	DC	OOR	BOOKT	R AND FRAME SCHEDULE - PHARMACY FRAME						
						DETAIL			HDW.	
NO.	WIDTH	HEIGHT	TYPE	TYPE	HEAD	JAMB	SILL	FIRE LABEL	NO.	NOTES
RX101A	3'-0"	7'-0"	А	HM-F1	1/A4.1	2/A4.1			02	
RX101B	3'-0"	7'-0"	D	HM-F1	1/A4.1	2/A4.1			08	
RX104	3'-0"	7'-0"	В	HM-F1	1/A4.1	2/A4.1			04	
RX105	3'-0"	7'-0"	В	HM-F1	1/A4.1	2/A4.1			04	
RX106	3'-0"	7'-0"	D	HM-F1	1/A4.1	2/A4.1			01	
RX107	3'-0"	7'-0"	D	HM-F1	1/A4.1	2/A4.1			01	
RX108A	3'-0"	7'-0"	В	HM-F1	1/A4.1	2/A4.1			02	
RX108B	3'-0"	7'-0"	Α	HM-F1	1/A4.1	2/A4.1			05	
RX109	3'-0"	7'-0"	В	HM-F1	1/A4.1	2/A4.1			04	
RX110A	3'-0"	7'-0"	В	HM-F1	1/A4.1	2/A4.1			02	
RX110B	3'-0"	7'-0"	А	HM-F1	1/A4.1	2/A4.1			03	
RX111	6'-0"	7'-0"	С	HM-F1	1/A4.1	2/A4.1			09	
RX112A	3'-0"	7'-0"	В	HM-F1	1/A4.1	2/A4.1			02	
RX112B	3'-0"	7'-0"	Α	HM-F1	1/A4.1	2/A4.1			06	
RX113A	3'-0"	7'-0"	D	HM-F1	1/A4.1	2/A4.1			07	
RX113B	3'-0"	7'-0"	Α	HM-F1	1/A4.1	2/A4.1			07	
RX114	3'-0"	7'-0"	D	HM-F1	1/A4.1	2/A4.1			02	

PNT-3

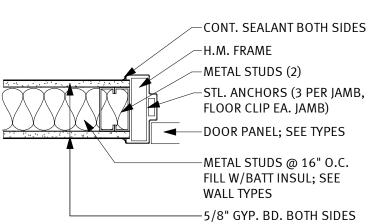
PNT-1

PNT-3

PNT-1

COVE

COVE



2 HM Door Jamb @ METAL STUD WALL
1 1/2" = 1'-0"

MTL. 9	GYP. BD. EA. STUD @ 16" ATT INSUL. SI	O.C. FILL	
STRU(CONT	STUD CHANN CT. FOR LINT . SEALANT SIDES		
H.M. I	FRAME		
DOOR	PANEL; SEE	TYPES	
 			_

1 HM Door Head @ Metal Stud Wall

G2: 1/4" TEMPERED, CLEAR GLAZING
G9: BALLISTIC GLAZING

-1/2" GYP SHEATHING

-1.2" RIGID INSULATION

−8" CMU

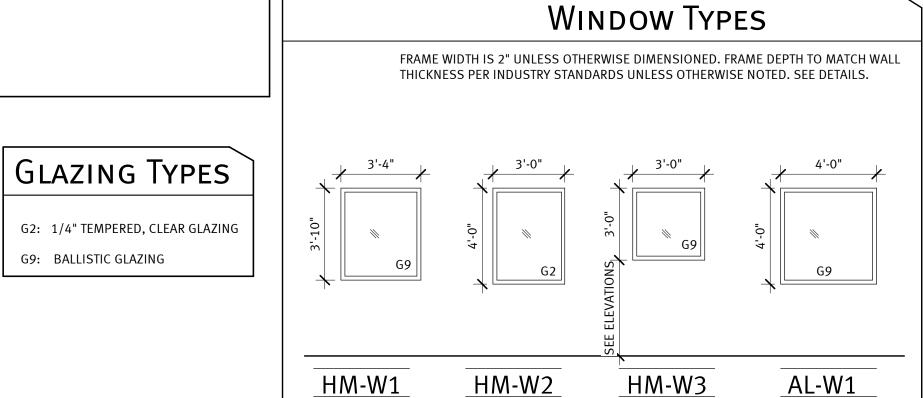
-2" AIR SPACE

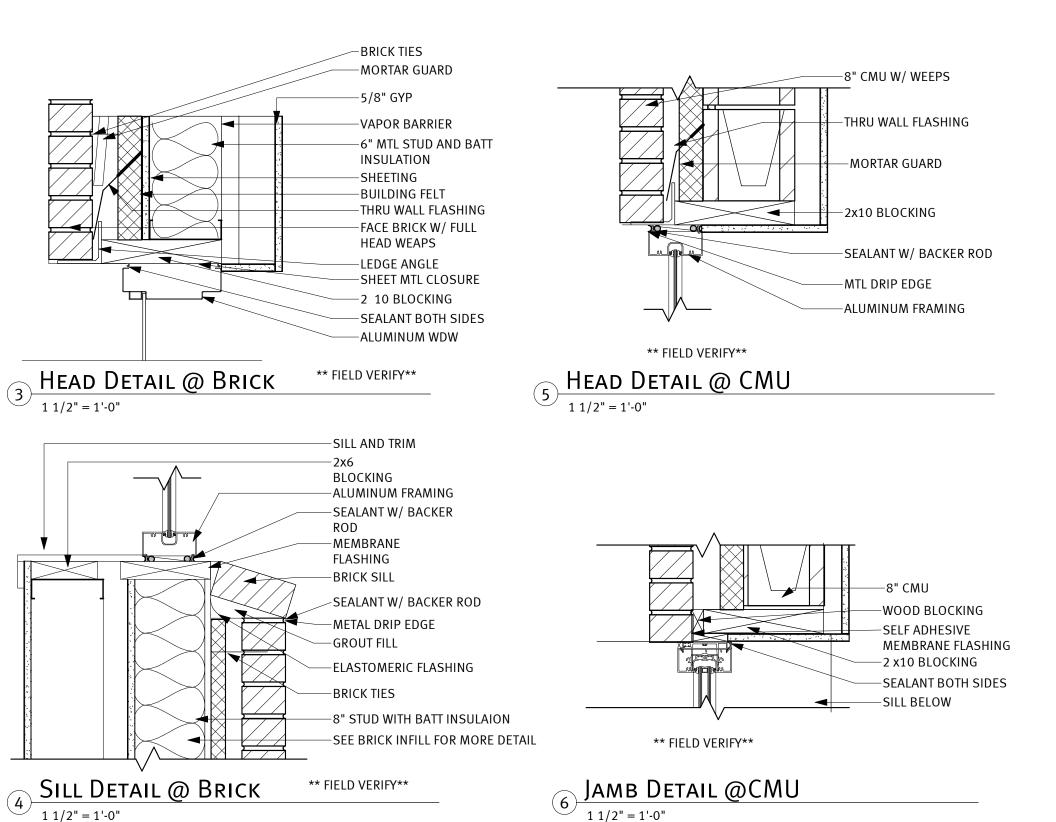
-FACE BRICK

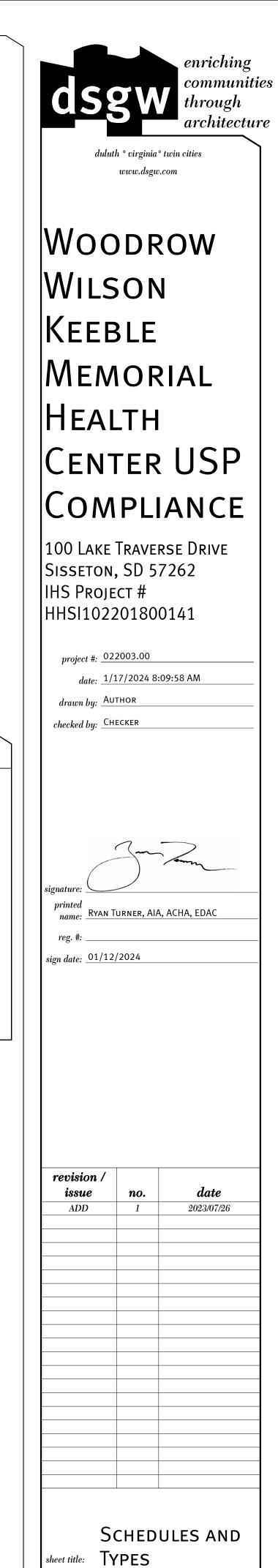
** FIELD VERIFY**

AMBULANCE BAY WALL INFILL

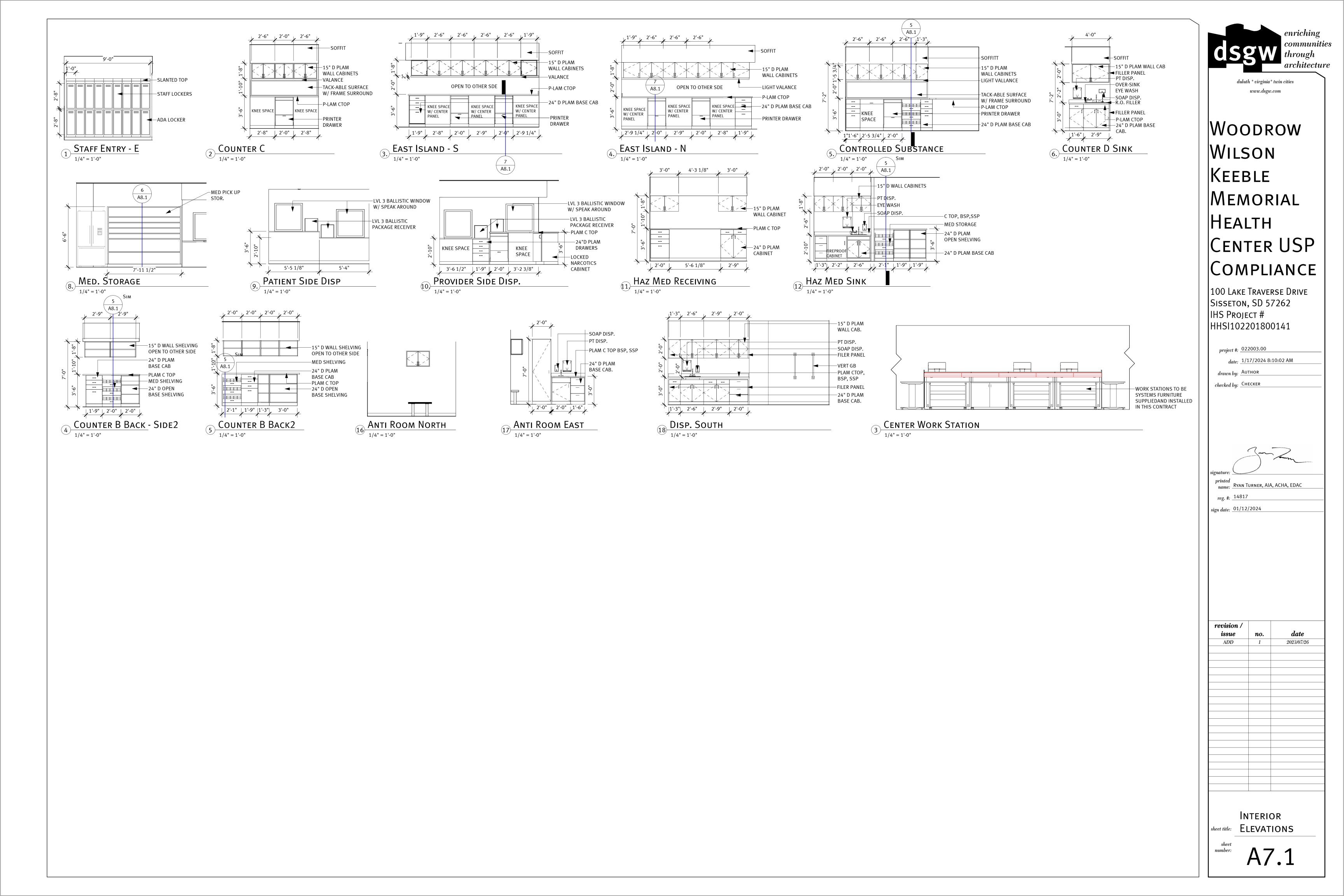
-BUILDING FELT

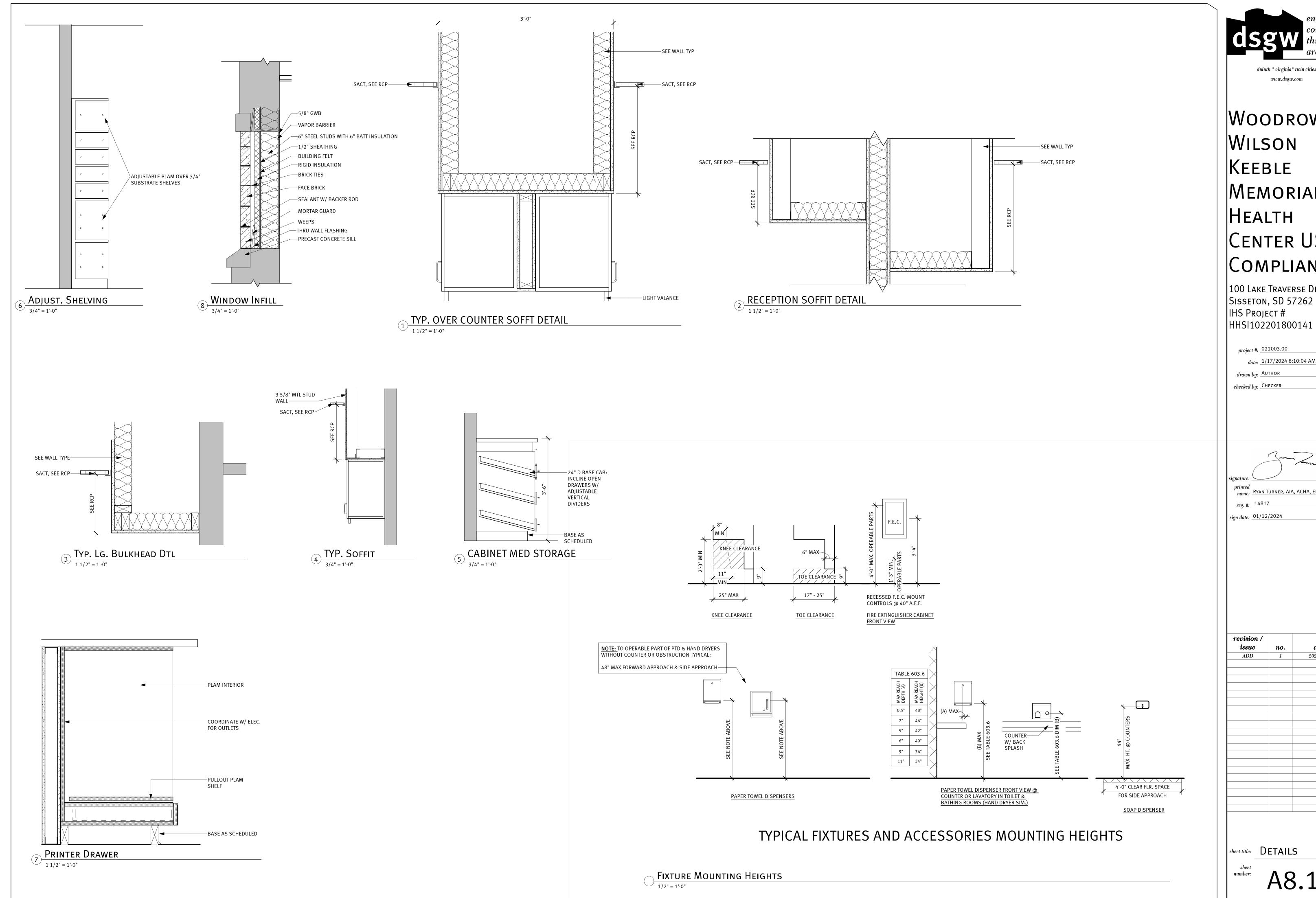






number:





Woodrow WILSON KEEBLE MEMORIAL HEALTH CENTER USP COMPLIANCE

100 Lake Traverse Drive Sisseton, SD 57262 HHSI102201800141

project #:	022003.00
, ,	1/17/2024 8:10:04 AM
drawn by:	Аитног
checked by:	

signature:	- man
O	Ryan Turner, AIA, ACHA, EDAC
	14817

ision / ssue	no.	date
ADD	1	2023/07/26

Woodrow Wilson Keeble Memorial Health Care Center USP Compliance

100 LAKE TRAVERSE DRIVE SISSETON, SD 57262 IHS PROJECT # GP19S1079C8

MECHANICAL DRAWINGS

AIR CONDITIONING UNIT

AIR HANDLING UNIT AIR SEPARATOR

CABINET FAN

CHILLER

CHEMICAL FEEDER

COOLING TOWER

CABINET UNIT HEATER

DUCT MOUNTED COIL

CONDENSER WATER PUMP
CHILLED WATER PUMP

DOMESTIC WATER BOOSTER PUMP

DOMESTIC WATER CIRCULATING PUMP

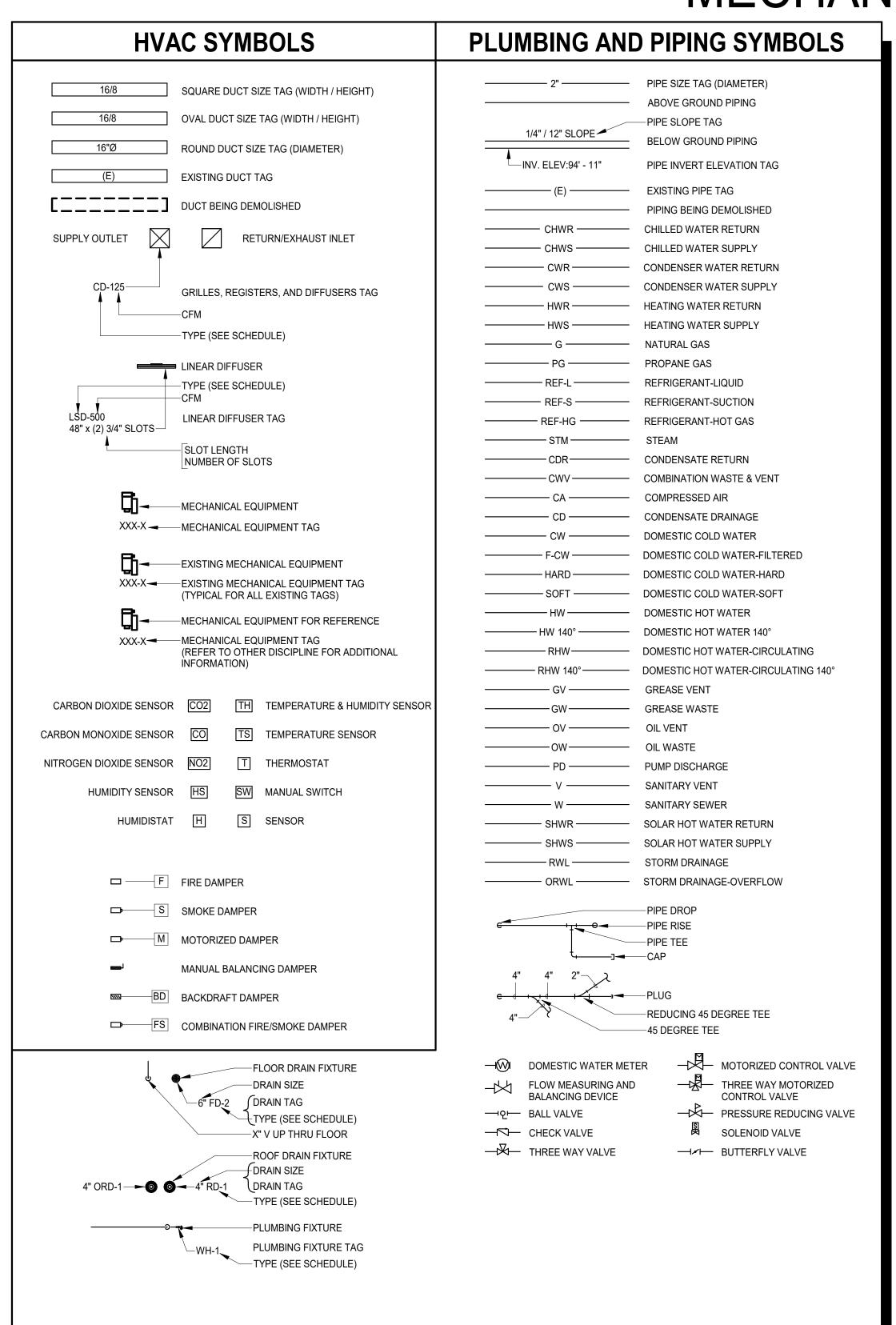
CHEMICAL FEEDER PUMP

CONDENSATE RETURN UNIT

AIR COOLED CONDENSER

AIR COOLING CONDENSING UNIT

AIR FLOW MEASURING STATION





EQUIPMENT ABBREVIATIONS

ELECTRIC DUCT COIL

ELECTRIC WATER HEATER

GREASE INTERCEPTOR

HEATING WATER PUMP

HEAT RECOVERY UNIT

INLINE CENTRIFUGAL

POWER ROOF VENTILATOR

HEAT EXCHANGER

HEAT PUMP UNIT

PROPELLER FAN

POWER WALL FAN

PWF

GRAVITY ROOF VENTILATOR

EXPANSION TANK

FAN COIL UNIT

FIRE PUMP

HUMIDIFIER

RETURN/EXHAUST FAN

ROOFTOP UNIT

SUPPLY FAN

SUMP PUMP

UNIT HEATER

UNIT VENTILATOR

WATER HEATER

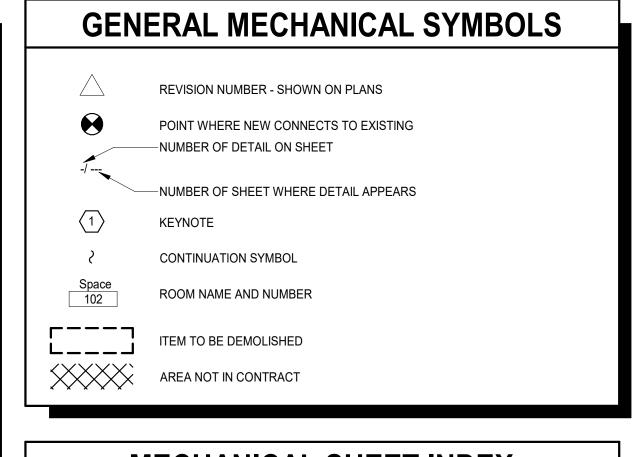
UTILITY SET

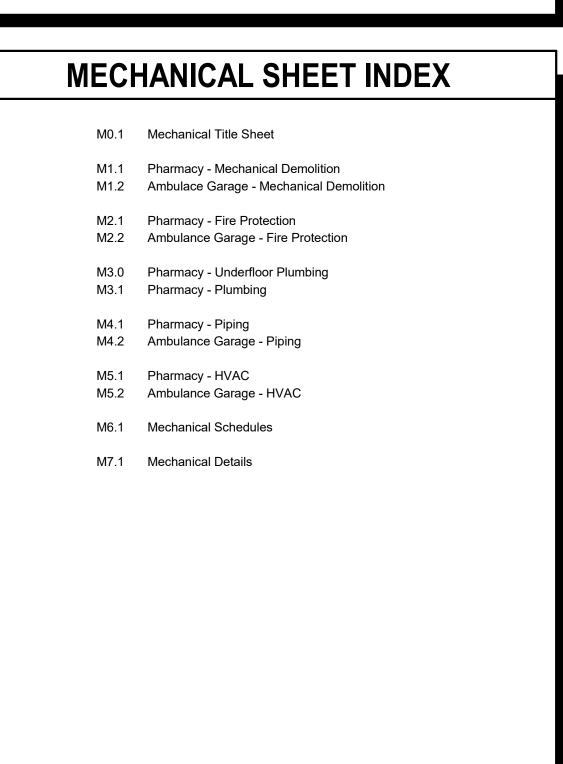
SHOCK ABSORBER

SOUND ATTENUATOR

SEWAGE EJECTOR PUMP

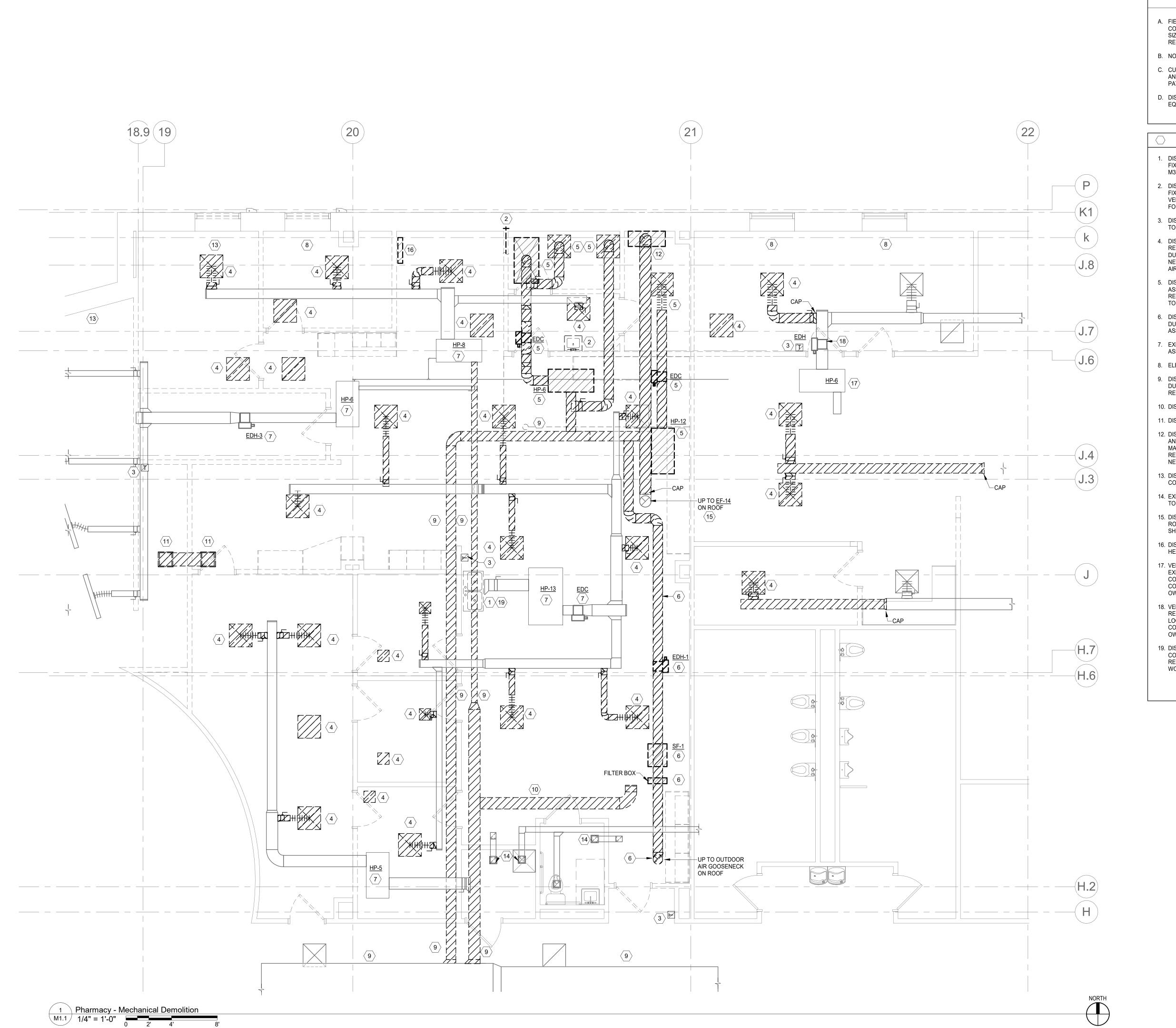
WATER FLOW MEASURING STATION





01/12/2024

www.dsgw.com Woodrow WILSON KEEBLE MEMORIAL HEALTH CARE CENTER USP COMPLIANCE 100 Lake Traverse Drive Sisseton, SD 57262 project #: <u>020053.0</u>0 date: 07/22/2022 drawn by: _AE_ checked by: MD I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of South Dakota. misiDf MIKE DOLEJS reg. #: ____14204 sign date: 01/12/2024 consulting engineers 1112 North 5th Street 1624 North Riverfront Drive Minneapolis, MN 55411 Mankato, MN 56001 (612) 343-5965 revision / dateMECHANICAL sheet TITLE SHEET



- A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK. FIELD VERIFY LOCATIONS AND SIZES OF DUCTWORK, PIPING AND EQUIPMENT TO BE
- B. NOTIFY ENGINEER OF ANY DISCREPANCIES.
- C. CUT AND PATCH EXISTING SURFACES (WALLS, FLOORS, AND/OR CEILINGS) AS REQUIRED TO PERFORM WORK. PATCHING SHALL MATCH SURROUNDING SURFACES.
- D. DISCONNECTED EQUIPMENT SHALL BE REMOVED. NO EQUIPMENT SHALL BE ABANDONED IN PLACE.

PLAN NOTES

- . DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURE, VERIFY EXISTING LOCATION. REFER TO SHEET M3.1 FOR NEW WORK.
- DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURE AND HOT AND COLD WATER BACK TO MAINS. VERIFY EXISTING LOCATIONS, REFER TO SHEET M3.1 FOR NEW WORK.
- DISCONNECT EXISTING TEMPERATURE SENSOR. REFER TO SHEET M4.1 FOR NEW WORK.
- DISCONNECT AND REMOVE EXISTING GRILLE, REGISTER, DIFFUSER AND FLEX DUCT. ASSOCIATED DUCTWORK TO REMAIN. REFER TO SHEET M5.1 FOR NEW WORK. SEAL UNUSED DUCT OPENINGS AT MAINS
- DISCONNECT AND REMOVE EXISTING HEAT PUMP AND ASSOCIATED ELECTRICAL DUCT COIL, DUCTS, GRILLES, REGISTERS, DIFFUSERS, AND BRANCH PIPING. REFER TO SHEET M4.1 AND M5.1 FOR NEW WORK.
- . DISCONNECT AND REMOVE EXISTING ELECTRICAL DUCT COIL, IN-LINE SUPPLY FAN, FILTER BOX AND ASSOCIATED DUCTWORK. PATCH ROOF OPENING.
- EXISTING HEAT PUMP, ELECTRIC DUCT COIL AND ASSOCIATED DUCTWORK AND PIPING TO REMAIN.
- 8. ELECTRIC BASEBOARD TO REMAIN.
- 9. DISCONNECT AND REMOVE EXISTING OUTDOOR AIR DUCTS AND CAP BRANCH CONNECTIONS AT MAIN. REFER TO SHEET M5.1 FOR NEW WORK.
- 10. DISCONNECT EXISTING OUTDOOR AIR DUCT.
- 11. DISCONNECT AND REMOVE EXISTING TRANSFER DUCT.
- 12. DISCONNECT AND REMOVE EXISTING EXHAUST DUCT AND ASSOCIATED HANGERS AND SUPPORT BACK TO MAIN DUCT THRU THE ROOF AND CAP. HOOD WILL BE REMOVED BY OTHERS. REFER TO SHEET M5.1 FOR NEW WORK.
- 13. DISCONNECT AND REMOVE EXISTING BASEBOARD AND CONTROLS.
- 14. EXISTING TRANSFER GRILLE AND ASSOCIATED DUCT TO REMAIN.
- 15. DISCONNECT AND REMOVE EXHAUST FAN ON THE ROOF. PROTECT ROOF CURB FOR REUSE. REFER TO
- 16. DISCONNECT AND REMOVE EXISTING CABINET UNIT
- 17. VERIFY EXISTING HEAT PUMP LOCATION. RELOCATE EXISTING HEAT PUMP IF PRESENT LOCATION CONFLICTS WITH NEW INTERIOR PARTITION. COORDINATE RELOCATION WITH ARCHITECT AND
- 18. VERIFY EXISTING ELECTRIC DUCT HEATER LOCATION. RELOCATE EXISTING DUCT HEATER IF PRESENT LOCATION CONFLICTS WITH NEW INTERIOR PARTITION. COORDINATE RELOCATION WITH ARCHITECT AND
- 19. DISCONNECT EXISTING REVERSE OSMOSIS WATER CONDITIONING EQUIPMENT AND PROTECT FOR REINSTALLATION. REFER TO SHEET M3.1 FOR NEW



duluth * virginia* twin cities www.dsgw.com

Woodrow WILSON KEEBLE MEMORIAL HEALTH CARE CENTER USP COMPLIANCE

100 Lake Traverse Drive SISSETON, SD 57262

ject #:	020053.00	
date:	07/22/2022	

drawn by: _AE_ checked by: MD

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

	mINDL.
nature:	MUMM
nrinted	

MIKE DOLEJS

reg. #: ____14204

sign date: 01/12/2024



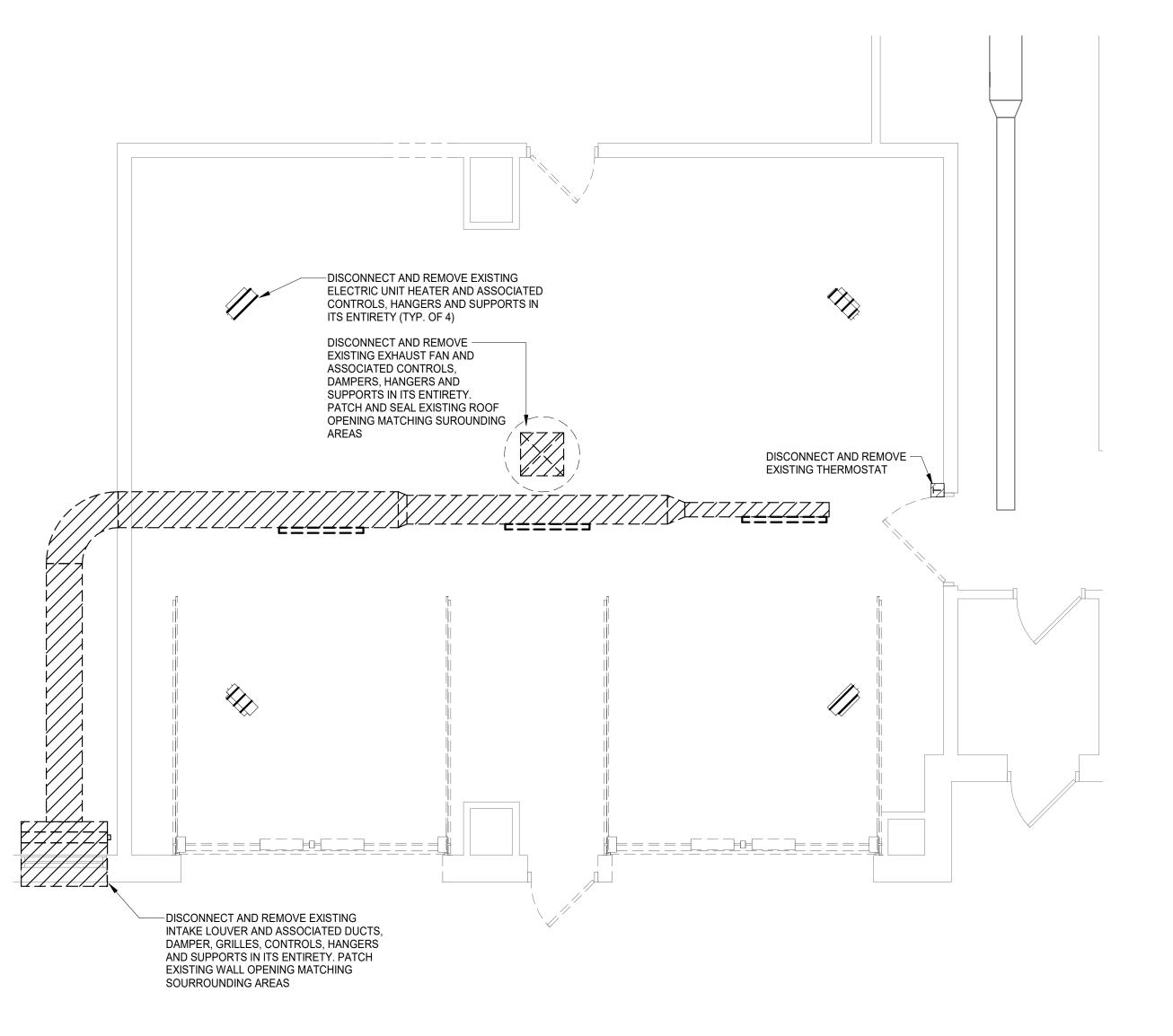
1112 North 5th Street 1624 North Riverfront Drive Minneapolis, MN 55411 Mankato, MN 56001 (612) 343-5965

revision / dateissue

(507) 625-7869

PHARMACY -MECHANICAL sheet DEMOLITION title:

- A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK. FIELD VERIFY LOCATIONS AND SIZES OF DUCTWORK, PIPING AND EQUIPMENT TO BE REMOVED.
- B. NOTIFY ENGINEER OF ANY DISCREPANCIES.
- C. CUT AND PATCH EXISTING SURFACES (WALLS, FLOORS, AND/OR CEILINGS) AS REQUIRED TO PERFORM WORK. PATCHING SHALL MATCH SURROUNDING SURFACES.
- D. DISCONNECTED EQUIPMENT SHALL BE REMOVED. NO EQUIPMENT SHALL BE ABANDONED IN PLACE.



1 Ambulance Garage - Mechanical Demolition
M1.2 1/4" = 1'-0"
0 4' 8' 16'





www.dsgw.com

WOODROW
WILSON
KEEBLE
MEMORIAL
HEALTH CARE
CENTER USP
COMPLIANCE

100 Lake Traverse Drive Sisseton, SD 57262

date:	07/22/2022
drawn by:	_AE
checked by:	MD
	I hereby certify that this plan
	specification, or report was prepared by me or under my

project #: 020053.00

specification, or report was
prepared by me or under my
direct supervision and that I am a
duly Licensed Professional
Engineer under the laws of the
State of South Dakota.

signature:

printed name:	MIKE DOLEJS	
reg. #:	14204	
sign date:	01/12/2024	



vision /		
issue	no.	date

AMBULACE
GARAGE MECHANICAL
sheet title:

M1.



- A. THIS DRAWING IS A BID DOCUMENT AND IS NOT A DESIGN DRAWING. CONFIRMATION OF FINAL DESIGN VIA SHOP DRAWINGS, HYDRAULIC CALCULATIONS, PRODUCT SUBMITTALS, ETC. IS THE SOLE RESPONSIBILITY OF THE FIRE PROTECTION DESIGN/BUILD CONTRACTOR.
- B. REFER TO ARCHITECTURAL PLANS FOR COMPLETE CEILING/FLOOR/ROOM PLAN INFORMATION.
- C. ALL AREAS SHALL BE DESIGNED AS LIGHT HAZARD OCCUPANCY UNLESS INDICATED OTHERWISE OR AS REQUIRED BY AUTHORITIES HAVING JURISDICTION.
- D. PROVIDE PROTECTION ABOVE AND BELOW OBSTRUCTIONS AS REQUIRED, WHETHER INDICATED
- E. ALL SPRINKLERS LOCATED IN FINISHED AREAS SHALL BE SYMMETRICAL IN PATTERN FOR THE AREA SERVED.
- F. HIGH TEMPERATURE SPRINKLERS SHALL BE PROVIDED NEAR ALL HEAT PRODUCING EQUIPMENT IN ACCORDANCE WITH NFPA 13.
- G. DRY TYPE PENDANT AND SIDEWALL SPRINKLER HEADS SHALL FOLLOW THE MANUFACTURER'S REQUIREMENTS FOR THE MINIMUM BARREL LENGTH IN THE HEATED
- H. PROVIDE AUXILLIARY DRAINS WITH PIPING TO APPROVED LOCATIONS FOR ALL TRAPPED PIPING. DRAIN PIPING SHALL BE SIZED PER NFPA 13
- PROTECTION PIPING SHALL BE FULLY SLEEVED AND
- . APPROVED THROUGH PENETRATION FIRE STOP SYSTEMS SHALL BE USED FOR ALL RATED WALLS AND FLOORS TO MAINTAIN RATING.
- K. NO STORAGE IS PERMITTED IN MECHANICAL OR ELECTRICAL ROOMS.
- .. EXTENDED COVERAGE SPRINKLERS SHALL NOT BE INSTALLED IN MECHANICAL ROOMS.
- M. DESIGN AREA REDUCTION FOR QUICK RESPONSE SPRINKLERS ALLOWED BY NFPA 13 SHALL NOT APPLY TO AREAS WITH CLOUD CEILINGS.
- N. ALL MATERIALS USED IN THE INSTALLATION OF THE FIRE PROTECTION SYSTEMS SHALL BE NEW AND OF CURRENT ISSUE, APPROVED BY U.L. AND/OR F.M. AND
- O. ALL FIRE PROTECTION WET AND DRY TYPE SYSTEM PIPING SHALL BE STEEL. DRY TYPE SYSTEM PIPING SHALL BE SCHEDULE 40.
- P. WHERE NEW SPRINKLER HEADS ARE INSTALLED IN AREAS WITH CEILINGS THEY SHALL BE CENTERED IN THE CEILING TILES.
- Q. FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING FINAL SPRINKLER TYPES. LOCATIONS AND FINISHES IN ALL AREAS WITH
- R. TAMPER SWITCHES AND FLOW SWITCHES SHALL BE FURNISHED AND INSTALLED BY FIRE PROTECTION CONTRACTOR. WIRING OF SUCH DEVICES IS THE COORDINATE ALL FIRE PROTECTION WORK WITH FIRE ALARM CONTRACTOR.

PLAN NOTES

- MODIFY EXISTING FIRE PROTECTION IN THIS AREA. DISCONNECT AND REMOVE EXISTING FIRE PROTECTION SPRINKLER HEADS/PIPING/ESCUTCHEONS AS NECESSARY TO ACCOMMODATE RENOVATION WORK. PROVIDE ADDITIONAL SPRINKLER HEADS/PIPING/ESCUTCHEONS AS REQUIRED TO ACCOMMODATE NEW OCCUPANCY. PROVIDE ALL NEW SPRINKLER HEADS IN RENOVATED
- MINIMUM OCCUPANCY CLASSIFICATION FOR BIDDING PURPOSES: COMPACT MOBILE STORAGE UNITS NO HIGHER THAN 8 FEET AND NO WIDER THAN 3 FEET WITH CLASS IV COMODITIES (PLASTIC).
- PROVIDE FIRE PROTECTION SPRINKLER PROTECTION ABOVE AND BELOW SOFFITS WHERE REQUIRED BY NFPA 13 AND AUTHORITIES HAVING JURISDICTION.



duluth * virginia* twin cities www.dsgw.com

Woodrow WILSON KEEBLE MEMORIAL HEALTH CARE CENTER USP COMPLIANCE

100 Lake Traverse Drive Sisseton, SD 57262

project #:	020053.00
	07/22/2022
drawn by:	_AE
checked by:	
спескеа бу:	INID

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

	01
ature: _	MINIS

MIKE DOLEJS

reg. #: ____14204

sign date: 01/12/2024



1112 North 5th Street 1624 North Riverfront Drive Minneapolis, MN 55411 Mankato, MN 56001 (612) 343-5965 (507) 625-7869

revision / issue

date

PHARMACY - FIRE sheet PROTECTION

Office | Off

GENERAL NOTES

- A. THIS DRAWING IS A BID DOCUMENT AND IS NOT A DESIGN DRAWING. CONFIRMATION OF FINAL DESIGN VIA SHOP DRAWINGS, HYDRAULIC CALCULATIONS, PRODUCT SUBMITTALS, ETC. IS THE SOLE RESPONSIBILITY OF THE FIRE PROTECTION DESIGN/BUILD CONTRACTOR.
- B. REFER TO ARCHITECTURAL PLANS FOR COMPLETE CEILING/FLOOR/ROOM PLAN INFORMATION.
- C. ALL AREAS SHALL BE DESIGNED AS LIGHT HAZARD OCCUPANCY UNLESS INDICATED OTHERWISE OR AS REQUIRED BY AUTHORITIES HAVING JURISDICTION.
- D. PROVIDE PROTECTION ABOVE AND BELOW OBSTRUCTIONS AS REQUIRED, WHETHER INDICATED OR NOT.
- $\begin{array}{ll} {\sf E.} & {\sf ALL} \ {\sf SPRINKLERS} \ {\sf LOCATED} \ {\sf IN} \ {\sf FINISHED} \ {\sf AREAS} \ {\sf SHALL} \\ & {\sf BE} \ {\sf SYMMETRICAL} \ {\sf IN} \ {\sf PATTERN} \ {\sf FOR} \ {\sf THE} \ {\sf AREAS} \ {\sf SERVED}. \end{array}$
- F. HIGH TEMPERATURE SPRINKLERS SHALL BE PROVIDED NEAR ALL HEAT PRODUCING EQUIPMENT IN ACCORDANCE WITH NFPA 13.
- G. DRY TYPE PENDANT AND SIDEWALL SPRINKLER HEADS
 SHALL FOLLOW THE MANUFACTURER'S REQUIREMENTS
 FOR THE MINIMUM BARREL LENGTH IN THE HEATED
 AREA
- H. PROVIDE AUXILLIARY DRAINS WITH PIPING TO APPROVED LOCATIONS FOR ALL TRAPPED PIPING. DRAIN PIPING SHALL BE SIZED PER NFPA 13 REQUIREMENTS.
- ALL WALL AND FLOOR PENETRATIONS WITH FIRE PROTECTION PIPING SHALL BE FULLY SLEEVED AND SEALED.
- J. APPROVED THROUGH PENETRATION FIRE STOP SYSTEMS SHALL BE USED FOR ALL RATED WALLS AND FLOORS TO MAINTAIN RATING.
- K. NO STORAGE IS PERMITTED IN MECHANICAL OR ELECTRICAL ROOMS.
- L. EXTENDED COVERAGE SPRINKLERS SHALL NOT BE INSTALLED IN MECHANICAL ROOMS.
- M. DESIGN AREA REDUCTION FOR QUICK RESPONSE SPRINKLERS ALLOWED BY NFPA 13 SHALL NOT APPLY TO AREAS WITH CLOUD CEILINGS.

N. ALL MATERIALS USED IN THE INSTALLATION OF THE

- FIRE PROTECTION SYSTEMS SHALL BE NEW AND OF CURRENT ISSUE, APPROVED BY U.L. AND/OR F.M. AND THE AUTHORITIES HAVING JURISDICTION.

 O. ALL FIRE PROTECTION WET AND DRY TYPE SYSTEM
- PIPING SHALL BE STEEL. DRY TYPE SYSTEM PIPING SHALL BE SCHEDULE 40.

 P. WHERE NEW SPRINKLER HEADS ARE INSTALLED IN
- AREAS WITH CEILINGS THEY SHALL BE CENTERED IN THE CEILING TILES.
- Q. FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING FINAL SPRINKLER TYPES. LOCATIONS AND FINISHES IN ALL AREAS WITH ARCHITECT.
- R. TAMPER SWITCHES AND FLOW SWITCHES SHALL BE FURNISHED AND INSTALLED BY FIRE PROTECTION CONTRACTOR. WIRING OF SUCH DEVICES IS THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR. COORDINATE ALL FIRE PROTECTION WORK WITH FIRE ALARM CONTRACTOR.

PLAN NOTES

- MODIFY EXISTING FIRE PROTECTION IN THIS AREA.
 DISCONNECT AND REMOVE EXISTING FIRE PROTECTION
 SPRINKLER HEADS/PIPING/ESCUTCHEONS AS NECESSARY
 TO ACCOMMODATE RENOVATION WORK. PROVIDE
 ADDITIONAL SPRINKLER HEADS/PIPING/ESCUTCHEONS AS
 REQUIRED TO ACCOMMODATE NEW OCCUPANCY.
 PROVIDE ALL NEW SPRINKLER HEADS IN RENOVATED
 AREAS.
- 2. MINIMUM OCCUPANCY CLASSIFICATION FOR BIDDING PURPOSES: COMPACT MOBILE STORAGE UNITS NO HIGHER THAN 8 FEET AND NO WIDER THAN 3 FEET WITH CLASS IV COMODITIES (PLASTIC).
- PROVIDE FIRE PROTECTION SPRINKLER PROTECTION ABOVE AND BELOW CLOUD CEILINGS WHERE REQUIRED BY NFPA 13 AND AUTHORITIES HAVING JURISDICTION.



duluth * virginia* twin cities

WOODROW
WILSON
KEEBLE
MEMORIAL
HEALTH CARE
CENTER USP
COMPLIANCE

www.dsgw.com

100 Lake Traverse Drive Sisseton, SD 57262

project #: 020053.00

date: 07/22/2022

drawn by: _AE___

checked by: MD_

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

ature: MINDS:

inted
mame: MIKE DOLEJS

name: MIKE DOLEJS

reg. #: _____14204

sign date: ____01/12/2024

(612) 343-5965

edi-dolejs

Minneapolis, MN 55411 Mankato, MN 56001

(507) 625-7869

CONSUITING ENGINEERS
minneapolis | mankato

1112 North 5th Street 1624 North Riverfront Drive

revision /

issue

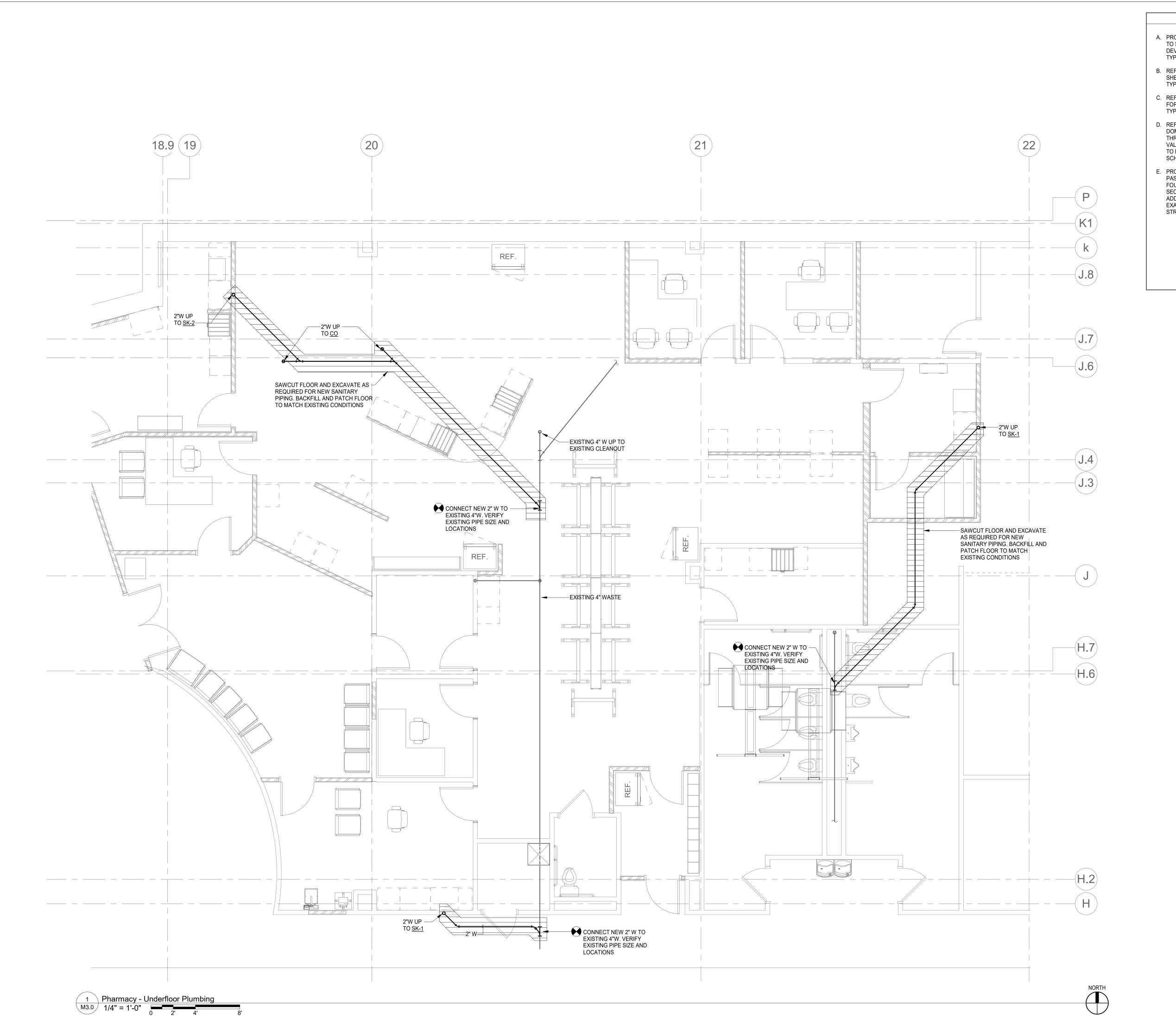
no. date

AMBULANCE
GARAGE - FIRE

sheet title:

sheet number:

M2.2



- A. PROVIDE A WALL OR FLOOR CLEANOUT AS REQUIRED TO SERVE EACH PLUMBING FIXTURE, SPECIALITY DEVICE, ETC. THAT HAS A NON-ACCESSIBLE TRAP,
- B. REFER TO PIPE HANGER AND SUPPORT DETAIL ON SHEET M7.1 INDICATING INSTALLATION REQUIREMENTS,
- C. REFER TO PIPE PENETRATION DETAIL ON SHEET M7.1 FOR PIPE PENETRATION INSTALLATION REQUIREMENTS, TYPICAL
- D. REFER TO WASTE AND VENT RISER DIAGRAM AND DOMESTIC WATER RISER DIAGRAMS ON SHEETS M2.3 THRU M2.6 FOR ADDITIONAL SIZES, PIPE ROUTING, VALVES AND PLUMBING SPECIALITY DEVICES. REFER TO PLUMBING RISER SHEETS FOR PLUMBING ROUGH-IN SCHEDULE, TYPICAL.
- E. PROVIDE SLEEVES FOR ALL SANITARY WASTE PIPING PASSING THROUGH STRUCTURAL FOOTINGS AND FOUNDATION WALLS. REFER TO SPECIFICATION SECTION 22 0500 AND DETAIL ON SHEET M7.1 FOR ADDITIONAL INFORMATION. COORDINATE AND VERIFY EXACT LOCATIONS AND ELEVATIONS WITH STRUCTURAL, TYPICAL.



duluth ° virginia° twin cities www.dsgw.com

WOODROW
WILSON
KEEBLE
MEMORIAL
HEALTH CARE
CENTER USP
COMPLIANCE

100 Lake Traverse Drive Sisseton, SD 57262

date:	07/22/2022
wn by:	_AE
ked by:	MD
	I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I a duly Licensed Professional Engineer under the laws of the State of South Dakota.
	~ 2

signature: MIKE DOLFIS

name: MIKE DOLEJS

reg. #: 14204

project #: <u>020053.00</u>

sign date: ____01/12/2024



consulting engineers
minneapolis | mankato

1112 North 5th Street
Minneapolis, MN 55411
(612) 343-5965

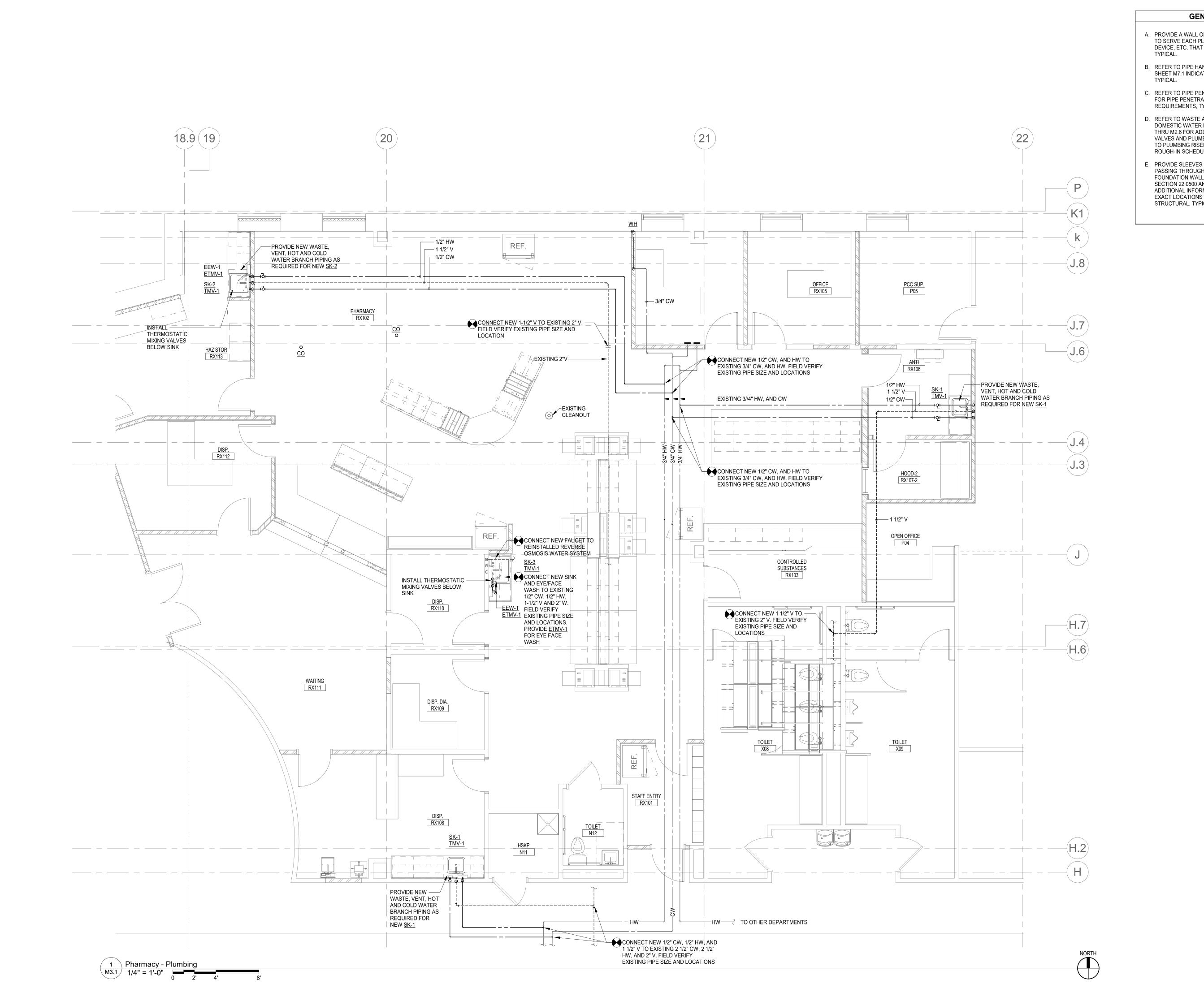
1624 North Riverfront Drive
Mankato, MN 56001
(507) 625-7869

ssue	no.	date

PHARMACY UNDERFLOOR

sheet title: PLUMBING

M3.



- A. PROVIDE A WALL OR FLOOR CLEANOUT AS REQUIRED TO SERVE EACH PLUMBING FIXTURE, SPECIALITY DEVICE, ETC. THAT HAS A NON-ACCESSIBLE TRAP, TYPICAL.
- B. REFER TO PIPE HANGER AND SUPPORT DETAIL ON SHEET M7.1 INDICATING INSTALLATION REQUIREMENTS,
- C. REFER TO PIPE PENETRATION DETAIL ON SHEET M7.1 FOR PIPE PENETRATION INSTALLATION REQUIREMENTS, TYPICAL.
- D. REFER TO WASTE AND VENT RISER DIAGRAM AND DOMESTIC WATER RISER DIAGRAMS ON SHEETS M2.3 THRU M2.6 FOR ADDITIONAL SIZES, PIPE ROUTING, VALVES AND PLUMBING SPECIALITY DEVICES REFER TO PLUMBING RISER DIAGRAM SHEETS FOR PLUMBING ROUGH-IN SCHEDULE, TYPICAL.
- E. PROVIDE SLEEVES FOR ALL SANITARY WASTE PIPING PASSING THROUGH STRUCTURAL FOOTINGS AND FOUNDATION WALLS. REFER TO SPECIFICATION SECTION 22 0500 AND DETAIL ON SHEET M7.1 FOR ADDITIONAL INFORMATION. COORDINATE AND VERIFY EXACT LOCATIONS AND ELEVATIONS WITH STRUCTURAL, TYPICAL.



duluth ° virginia° twin cities www.dsgw.com

WOODROW
WILSON
KEEBLE
MEMORIAL
HEALTH CARE
CENTER USP
COMPLIANCE

100 Lake Traverse Drive Sisseton, SD 57262

project #:	020053.00
date:	07/22/2022
drawn by:	_AE
J	

checked by: MD

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a

duly Licensed Professional
Engineer under the laws of the
State of South Dakota.

re:

reg. #: ______14204

sign date: ____01/12/2024



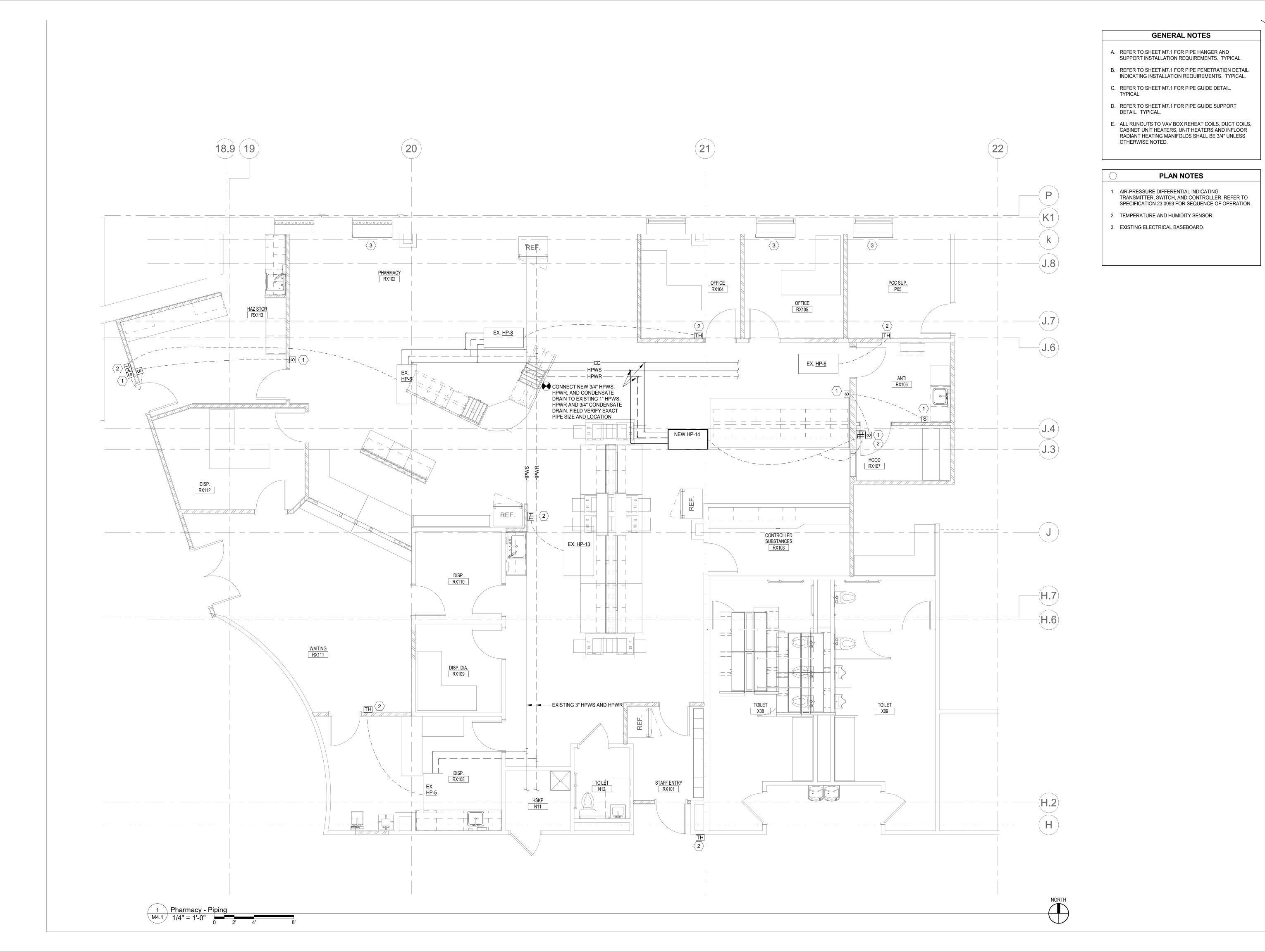
1112 North 5th Street
Minneapolis, MN 55411
(612) 343-5965

1624 North Riverfront Drive
Mankato, MN 56001
(507) 625-7869

revision / issue no. date

PHARMACY
sheet title: PLUMBING

M3.1





duluth * virginia* twin cities www.dsgw.com

Woodrow WILSON KEEBLE MEMORIAL HEALTH CARE CENTER USP COMPLIANCE

100 Lake Traverse Drive Sisseton, SD 57262

project #: <u>020053.00</u> date: 07/22/2022

drawn by: _AE__ checked by: MD

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

signature:

printed
name:

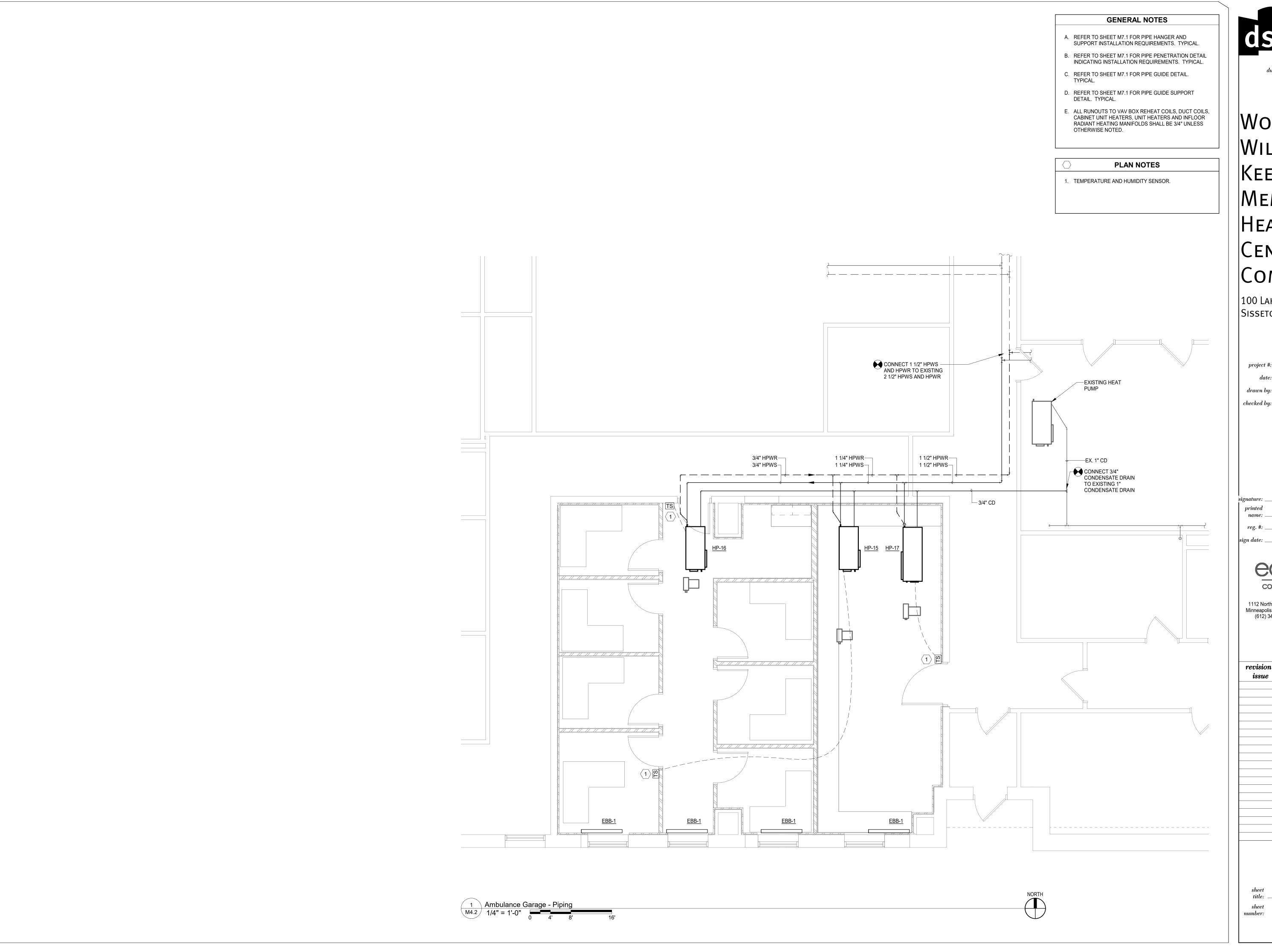
MIKE DOLEJS

reg. #: ____14204

1112 North 5th Street Minneapolis, MN 55411 (612) 343-5965 1624 North Riverfront Drive Mankato, MN 56001 (507) 625-7869

revision / date

PHARMACY sheet PIPING





duluth ° virginia° twin cities www.dsgw.com

WOODROW
WILSON
KEEBLE
MEMORIAL
HEALTH CARE
CENTER USP
COMPLIANCE

100 Lake Traverse Drive Sisseton, SD 57262

project #:	020053.00
date:	07/22/2022
drawn by:	_AE
checked by:	MD

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

	mINDL:
signature: _	M. B. C. C.
printed	-

name: MIKE DOLEJS

reg. #: _____14204 gn date: _____01/12/2024



1112 North 5th Street
Minneapolis, MN 55411
(612) 343-5965

MIN 55411
(617) 343-5965

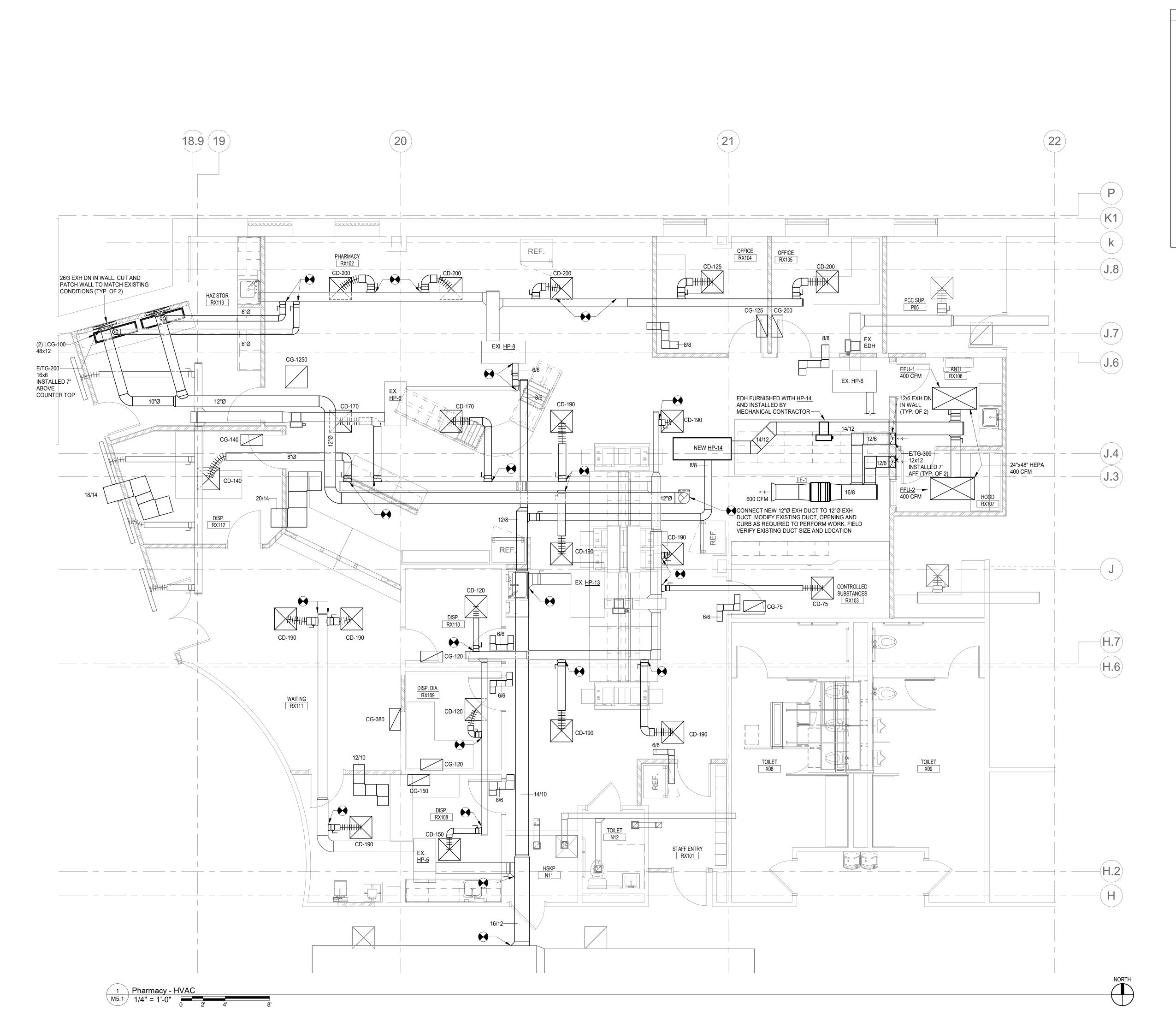
Mankato, MN 56001
(507) 625-7869

revision / lissue no. date

AMBULANCE

sheet GARAGE - PIPING
title:

M4.2



- A. DUCT SIZES SHOWN ON PLANS ARE CLEAR INSIDE DIMENSIONS WHERE DUCTWORK IS INTERNALLY LINED. INCREASE DIMENSIONS OF SHEET METAL ACCORDINGLY.
- B. ALL TRANSFER DUCTS SHALL BE INTERNALLY LINED WITH 1" ACOUSTIC LINER.
- C. MAINTAIN UNOBSTRUCTED CLEARANCE TO THE ENTIRE BOTTOM PANEL OF ALL VAV BOX/REHEAT COILS.
- D. DIFFUSER BRANCH DUCT SIZE SHALL BE THE SAME AS THE DIFFUSER NECK SIZE UNLESS OTHERWISE NOTED.
- E. PROVIDE BALANCING DAMPER FOR EACH SUPPLY OUTLET AND EXHAUST INLET, UNLESS THERE IS ONLY ONE DIFFUSER FOR A VAV BOX.
- F. REFER TO VAV/REHEAT COIL TERMINAL UNIT SIZING SCHEDULE FOR VAV BOX INLET DUCT SIZES.
- G. REFER TO CEILING DIFFUSERS SIZE SCHEDULE FOR DIFFUSERS NECK SIZES.
- H. ALL CEILING GRILLES (RETURN AIR) SHALL BE 24"x12" UNLESS NOTED OTHERWISE.
- TEMPERATURE CONTROL CONTRACTOR SHALL FURNISH ALL MOTORIZED DAMPERS FOR INSTALLATION BY MECHANICAL CONTRACTOR.



duluth * virginia* twin cities www.dsgw.com

WOODROW
WILSON
KEEBLE
MEMORIAL
HEALTH CARE
CENTER USP
COMPLIANCE

100 Lake Traverse Drive Sisseton, SD 57262

roject #:	020055.00
date:	07/22/2022

checked by: MD

drawn by: _AE_____

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

Engineer under the laws of the State of South Dakota. signature:

ture: ______ inted ame: ____MIKE DOLEJS

reg. #: 14204

date: 01/12/2024

edi-dole

minneds

1112 North 5th Street
Minneapolis, MN 55411
(612) 343-5965

1624 North Riverfront Drive
Mankato, MN 56001
(507) 625-7869

revision / issue no. date

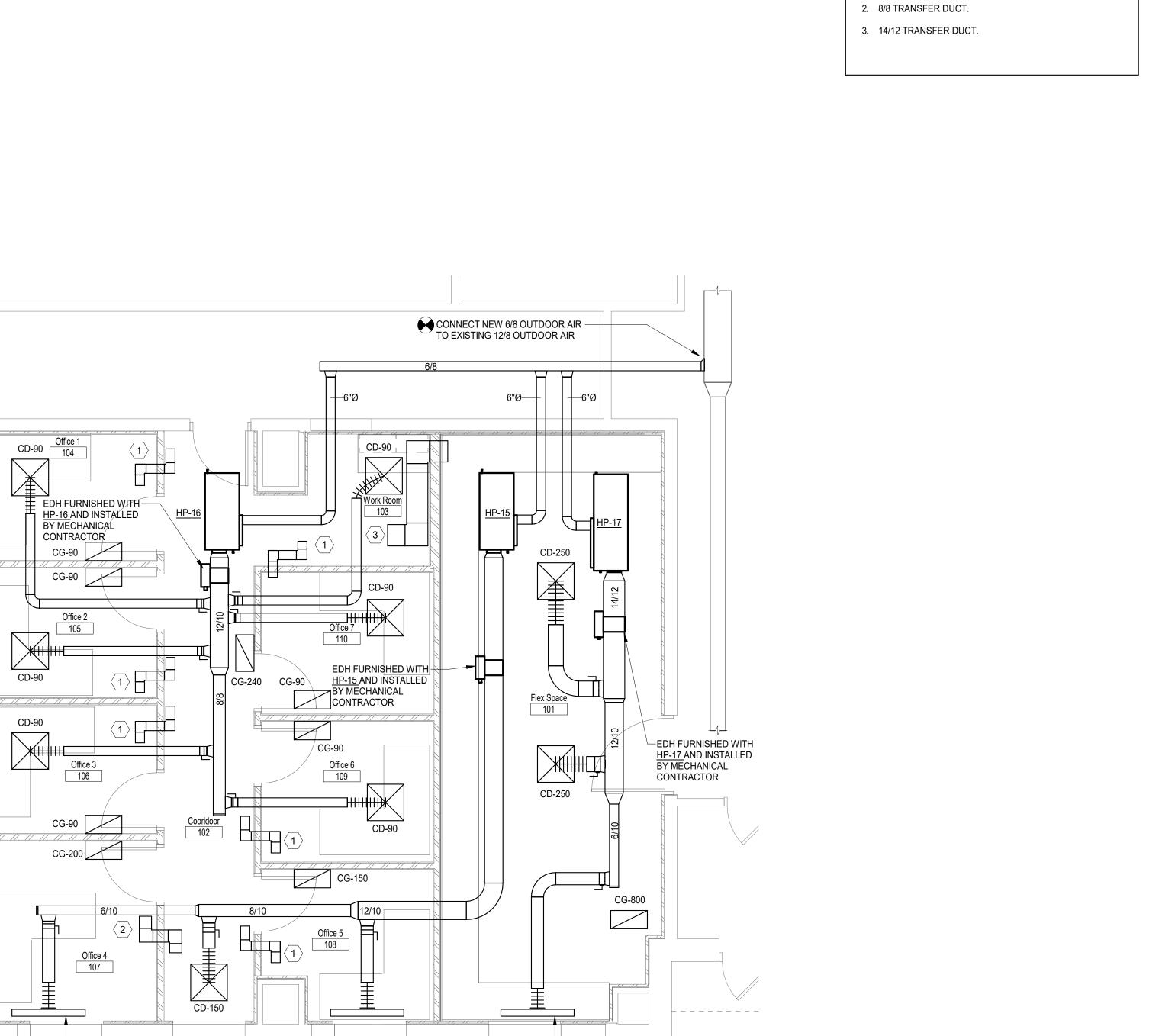
Pharmacy -

sheet HVAC
title: _____

M5.1

- A. DUCT SIZES SHOWN ON PLANS ARE CLEAR INSIDE DIMENSIONS WHERE DUCTWORK IS INTERNALLY LINED. INCREASE DIMENSIONS OF SHEET METAL ACCORDINGLY.
- B. ALL TRANSFER DUCTS SHALL BE INTERNALLY LINED WITH 1" ACOUSTIC LINER.
- C. MAINTAIN UNOBSTRUCTED CLEARANCE TO THE ENTIRE BOTTOM PANEL OF ALL VAV BOX/REHEAT COILS.
- D. DIFFUSER BRANCH DUCT SIZE SHALL BE THE SAME AS THE DIFFUSER NECK SIZE UNLESS OTHERWISE NOTED.
- E. PROVIDE BALANCING DAMPER FOR EACH SUPPLY OUTLET AND EXHAUST INLET, UNLESS THERE IS ONLY ONE DIFFUSER FOR A VAV BOX.
- F. REFER TO VAV/REHEAT COIL TERMINAL UNIT SIZING SCHEDULE FOR VAV BOX INLET DUCT SIZES.
- G. REFER TO CEILING DIFFUSERS SIZE SCHEDULE FOR DIFFUSERS NECK SIZES.
- H. ALL CEILING GRILLES (RETURN AIR) SHALL BE 24"x12" UNLESS NOTED OTHERWISE.
- I. TEMPERATURE CONTROL CONTRACTOR SHALL FURNISH ALL MOTORIZED DAMPERS FOR INSTALLATION BY MECHANICAL CONTRACTOR.

	PLAN NOTES
1.	6/6 TRANSFER DUCT.
2.	8/8 TRANSFER DUCT.
3.	14/12 TRANSFER DUCT.



LSD-200-48" x (3) 3/4" SLOTS

(2) LSD-200-48" x (3) 3/4" SLOTS

1 Ambulance Garage - HVAC M5.2 1/4" = 1'-0" 0 4' 8'



duluth * virginia* twin cities

www.dsgw.com

WOODROW
WILSON
KEEBLE
MEMORIAL
HEALTH CARE
CENTER USP
COMPLIANCE

100 Lake Traverse Drive Sisseton, SD 57262

date:	07/22/2022
drawn by:	_AE
checked by:	MD
	I hereby certify that this plan, specification, or report was prepared by me or under my

project #: 020053.00

ignature: _	MINDS:
printed name: _	MIKE DOLEJS

duly Licensed Professional Engineer under the laws of the State of South Dakota.

printed name: MIKE DOLEJS

reg. #: 14204



 revision /
 issue
 no.
 date

 ADD #1
 1
 07/18/23

AMBULANCE

sheet GARAGE - HVAC

title:

M5.2

EDI-DOLEJS #20-072

WAT	WATER TO AIR HEAT PUMP SCHEDULE																		
				TOTAL	WATER	WATER	P 0		ä	О	OOLING	9	10		5 8	HEATING	7g	CONTROL	-
ITEM				AIR	FLOW	PRESSURE	HPWS/ HPWR	EAT DB	EAT WB	TOTAL	SENSIBLE	HEAT REJECTION	EER	EAT DB F	TOTAL	HEAT ABSORPTION	COP	VALVE	REFER TO
TAG	SERVICE	MANUFACTURER	MODEL	CFM	GPM	DROP (FT-HD)	SIZES (IN.)	DEG F	DEG F	CAP. MBTUH	CAP. MBTUH	MBTUH			CAP. MBTUH	MBTUH		TYPE	NOTES
HP-14	RX106, RX107	DAIKIN	WGTH-026	800	6.0	5.5	3/4" / 3/4"	80	67	25.9	18.6	31.6	15.6	65	18.1	13.5	3.9	2-PORT	1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
HP-15	102, 107, 108	DAIKIN	WGSH-015	500	5.0	9.6	3/4" / 3/4"	80	67	15.1	11.3	18.3	16.3	65	12.3	9.3	4.1	2-PORT	1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
HP-16	103, 104, 105, 106, 109, 110	DAIKIN	WGSH-019	600	4.5	7.6	3/4" / 3/4"	80	67	16.9	12.8	20.8	14.8	65	13.8	10.2	3.8	2-PORT	1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
110 47	404	DAUGUAL	INIOTH COO	000	0.0		0/48/0/48	22	07	05.0	40.0	01.0	45.0	0.5	40.4	10.5	0.0	A DADT	1 0 0 1 0 7 0 0 10 11 10 10 11 15

NOTES:

- 1. COOLING RATINGS BASED UPON: 90F EWT
- 2. HEATING RATINGS BASED UPON: 30F EWT
- . PROVIDE HEAT PUMP WITH DDC CONTROLS FOR INTERFACE WITH BUILDING AUTOMATION SYSTEM. HEAT PUMP UNIT DDC CONTROLS SHALL BE COMPATIBLE WITH AND INTEGRATED WITH EXISTING JOHNSON CONTROLS BUILDING AUTOMATION SYSTEM.
- 4. PROVIDE UNIT WITH 2-STAGE COMPRESSOR, CONSTANT AIRFLOW ECM FAN MOTOR, STAINLESS STEEL DRAIN PAN AND CONDENSATE DRAIN PAN OVERFLOW PROTECTION.
 5. PROVIDE UNIT WITH SINGLE STAGE COMPRESSOR, CONSTANT AIRFLOW ECM FAN MOTOR, STAINLESS STEEL DRAIN PAN AND CONDENSATE DRAIN PAN OVERFLOW PROTECTION.
- 6. PROVIDE UNIT WITH FOIL FACED INSULATION, DOUBLE-ISOLATED COMPRESSOR, COMPRESSOR SOUND ATTENUATION BLANKET, LOW LEAK 2" FILTER RACK AND MERV 13 FILTER OPTIONS.
- 7. PROVIDE UNIT WITH EXTENDED LOOP WATER TEMPERATURE RANGE OPTION AND ELECTRIC PHASE LOSS PROTECTION.
- 8. PROVIDE UNIT WITH SMART EC FAN AND HOT GAS REHEAT DEHUMIDIFICATION OPTION.
- 9. PROVIDE UNIT WITH SUPPLY HOSE KIT HAVING WYE STRAINER/BLOWDOWN VALVE, ISOLATION BALL VALVE AND P/T PORT. REFER TO SPECIFICATION SECTION 23 8146 FOR ADDITIONAL HOSE KIT INFORMATION.
- 10. PROVIDE UNIT WITH RETURN HOSE KIT HAVING AUTOMATIC FLOW CONTROL VALVE, ISOLATION BALL VALVE AND P/T PORT. REFER TO SPECIFICATION SECTION 23 8146 FOR ADDITIONAL HOSE KIT INFORMATION.

 11. PROVIDE UNIT WITH FIELD INSTALLED 5-KW ELECTRIC DUCT HEATER KIT.
- 12. PROVIDE 4-YEAR EXTENDED COMPRESSOR AND REFRIGERATION CIRCUIT WARRANTY.
- 13. HEAT PUMPS SHALL MEET OR EXCEED ARI 13256-1 RATING.
- REFER TO SPECIFICATION SECTION 23 8146 FOR ADDITIONAL REQUIREMENTS.
 REFER TO ELECTRICAL PLANS FOR ELECTRICAL REQUIREMENTS.

AND CD2		
CFM RANGE	FACE SIZE	NECK SIZE
0 - 125	12"x12"	6" dia.
0 - 125	24"x24"	6" dia.
126 - 225	24"x24"	8" dia.
226 - 330	24"x24"	10" dia.
331 - 440	24"x24"	12" dia.
441 - 580	24"x24"	14" dia.
580 - 1000	24"x24"	15" dia.

DIFFUSER NECK SIZE OR EQUIVALENT

TYPE	SERVICE	MANUFACTURER AND MODEL NO.	VOLUME DAMPER	FINISH	FRAME AND BORDER TYPE	MATERIAL	DESCRIPTION	REFER TO NOTES
CD	CEILING DIFFUSER	TITUS TMSA	9221	WHITE ENAMEL	NOTE 1	STEEL	24x24 MODULAR FULL-FACE DIFFUSER WITH ROUND NECK	1, 2
CG	CEILING GRILLE	TITUS 50F	and it	WHITE ENAMEL	NOTE 1	ALUMINUM	1/2"x1/2"x1/2" EGGCRATE GRID.	1, 2
LSD	LINEAR SLOT DIFFUSER	TITUS ML-38	PATTERN CONTROLLERS	WHITE ENAMEL	NOTE 1	ALUMINUM	PROVIDE MP-38 INSULATED PLENUMS SIZED FOR 1, 2, 3, OR 4 SLOTS AS REQUIRED. 3/4" SLOTS	
TG	TRANSFER GRILLE	R GRILLE TITUS 301RL-HD		STANDARD WHITE	NOTE 1	STEEL	0 DEG. DEFLECTION, 1/2" SPACING	1, 2
E/TG	EXH/TRANSFER GRILLE	PRICE LG	STANDARD STAINLESS		LATTICE, 1/2" SQUARE MESH	1, 2		
LCG	LAMINAR CEILING GRILLE	TITUS TLF		STANDARD WHITE	NOTE 1	STEEL	PERFORATED LAMINAR FLOW GRILLE, INTERNAL BAFFLES	1, 2

1. CONTRACTOR TO VERIFY CEILING/WALL/FLOOR TYPE AND PROVIDE PROPER FRAME AND BORDER TYPE. 2. REFER TO SPECIFICATION SECTION 23 3713 FOR ADDITIONAL REQUIREMENTS.

UNIT NO.	SERVICE	MANUFACTURER	MODEL NO.	TYPE	DRIVE	CFM	ESP (IN. W.C.)	MAX. FAN RPM	HP	REFER TO NOTES
TF-1	N15 - ANTE N16 - COMPOUNDING	соок	135SQN17DEC	INLINE	ECM	600	0.75	1330	3/4	1, 2, 3
EF-14	N06 - MED RECEIVING N14 - CONTR SUBST	соок	TCNHBLE-100-5	LAB EXHAUST	BELT	500	1.50	2990	3/4	1, 2, 4, 5

NOTES

- 1. REFER TO SPECIFICATION SECTION 233423 FOR ADDITIONAL REQUIREMENTS.
- 2. REFER TO ELECTRICAL PLANS FOR ELECTRICAL REQUIREMENTS (VOLTS AND PHASE).
- 3. PROVIDE WITH FAN SPEED CONTROLLER FOR AIR BALANCING.
- 4. PROVIDE WITH 12" HIGH LAB EXHAUSTER CURB, ISOLATION BOX, GRAVITY ISOLATION DAMPER.
- 5. OVERALL FAN ASSSEMBLY CONE NOZZLE DISCHARGE HEIGHT SHALL BE MINIMUM 10 FT ABOVE ROOF DECK.

ELECTRIC BASEBOARD RADIATIOR SCHEDULE										
UNIT NO.	LOCATION	MANUFACTURER	MODEL	HEATING TYPE	ENCLOSURE HEIGHT (IN)	LENGTH OF UNIT (FT)	CAPACITY REQUIRED (WATTS)	CAPACITY REQUIRED (BTUH)		
EBB-1	SEE PLAN	TRANE	DBF	ELECTRIC	6"	4	617	4,265		
							ē			

NOTES

- REFER TO SPECIFICATION SECTION 23 82 36 FOR ADDITIONAL REQUIREMENTS.
- UNIT COLOR TO BE SELECTED BY ARCHITECT FROM STANDARD COLOR CHART.
 UNIT SHALL BE FLOOR MOUNTED.
- 4. PROVIDE WITH INTEGRAL 20 AMP, 120-277 VOLT, DOUBLE POLE DISCONNECT SWITCH.
- 5. REFER TO ELECTRICAL PLANS FOR ELECTRICAL REQUIREMENTS.

6. PROVIDE BUILT-IN THERMOSTAT.

UMBING F	ROUGH-IN SCHEDULE					
IXTURE TAG	FIXTURE TYPE	WASTE	VENT	CW	HW	REMARKS
SK-1	SINK	2	1-1/2	1/2	1/2	
SK-2	SINK	2	1-1/2	1/2	1/2	
SK-3	DOUBLE BOWL SINK					EXISTING WASTE, VENT, CW AND HW
EEW-1	EMERGENCY EYE WASH	-	-	-	1/2 TW	COUNTER MOUNT/TEMPERED HW INLE
ETMV-1	EMERGENCY THERMOSTATIC MIXING VALVE	- 1	12	1/2	1/2	1/2 TEMPERED HW OUTLET

REFER TO DIVISION 22 SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

UNIT NO.	AREA(S) SERVED	MANUFACTURER	MODEL	VOLUME (CFM)	E.S.P (IN WC)	OPERATING POWER (WATTS
FFU-1	N15 - ANTE	CAMFIL	PHARMASEAL	400	0.5	78
FFU-2	N16 - COMPOUNDING	CAMFIL	PHARMASEAL	400	0.5	78



duluth * virginia* twin cities www.dsgw.com

WOODROW
WILSON
KEEBLE
MEMORIAL
HEALTH CARE
CENTER USP
COMPLIANCE

100 Lake Traverse Drive Sisseton, SD 57262

project #: 020053.00

date: 07/22/2022

drawn by: AE______

checked by: MD

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

signature: MINIS.

printed
name: MIKE DOLEJS

reg. #: 14204

sign date: 01/12/2024

edi-doles

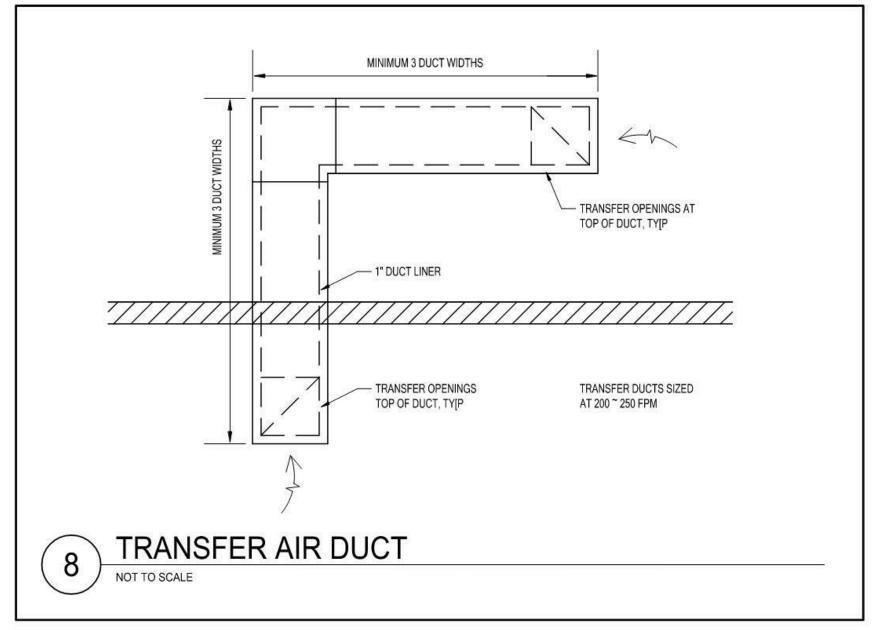
1112 North 5th Street 1624 North Riverfront Drive Minneapolis, MN 55411 Mankato, MN 56001 (507) 625-7869

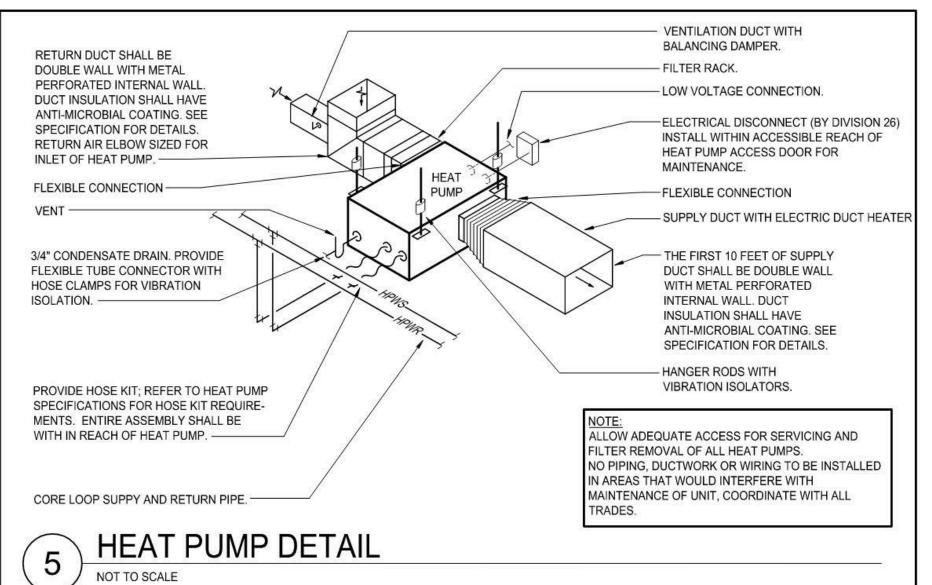
revision / issue no. date

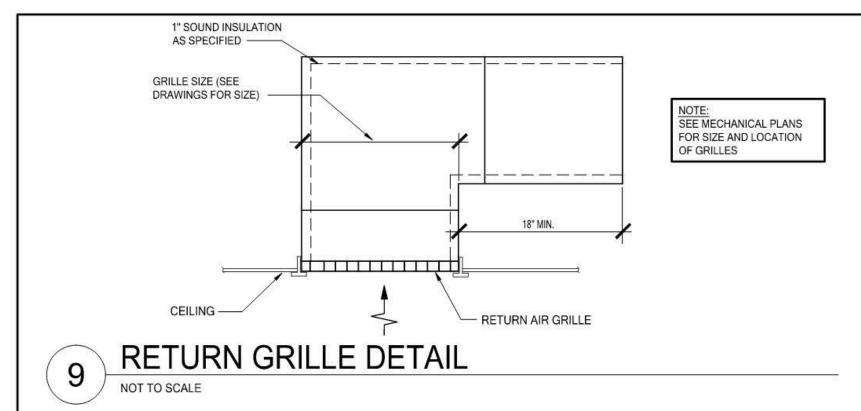
MECHANICAL
sheet SCHEDULES
title:

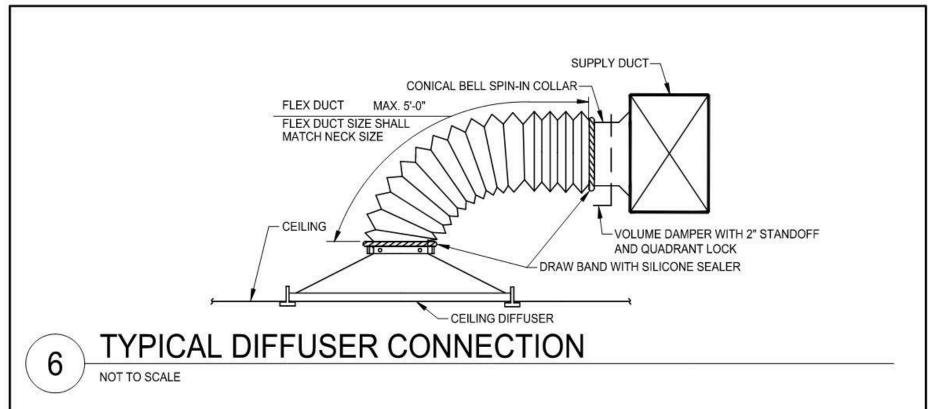
title: ____ sheet nber: ****

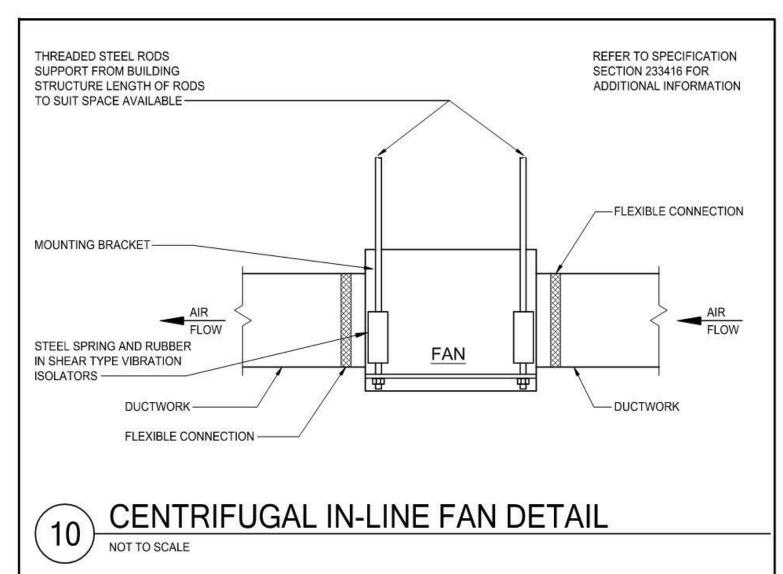
M6.1

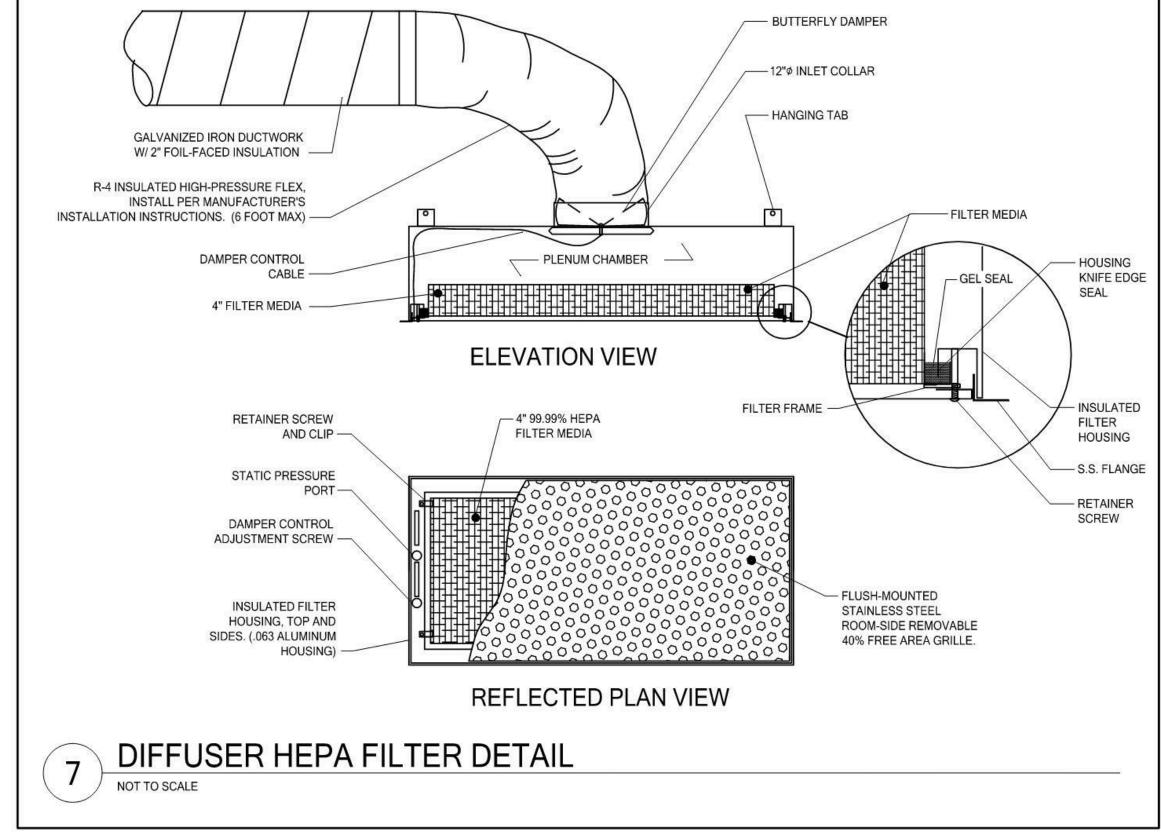


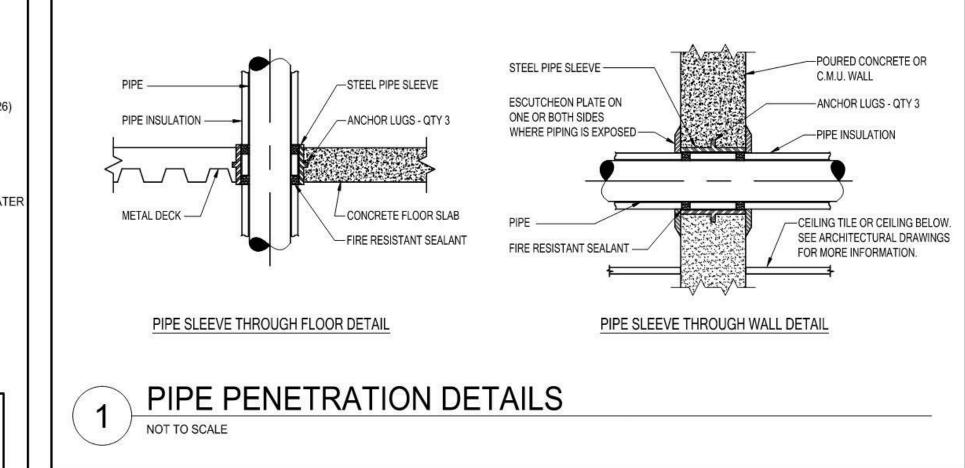


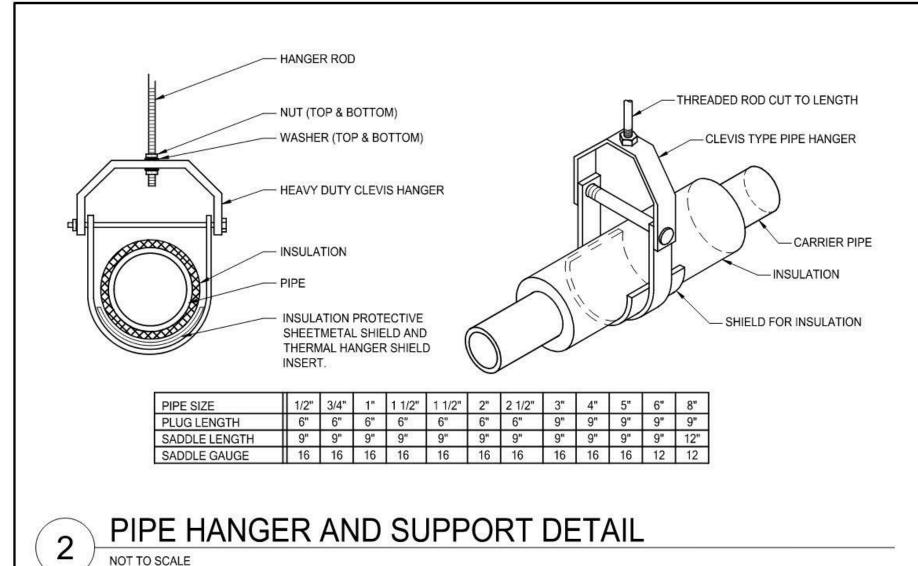


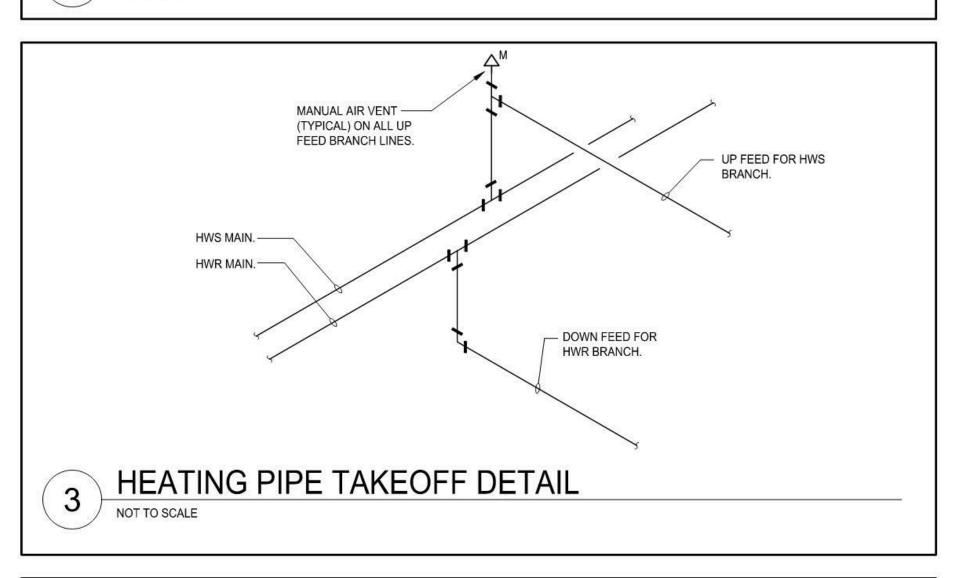


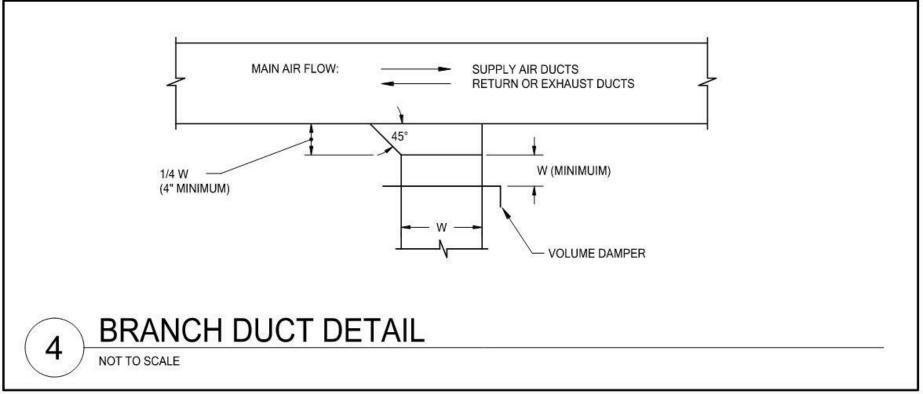














WOODROW
WILSON
KEEBLE
MEMORIAL
HEALTH CARE
CENTER USP
COMPLIANCE

100 Lake Traverse Drive Sisseton, SD 57262

project #: <u>020053.00</u>

date:	07/22/2022
drawn by:	AE
checked by:	
спескей бу.	
	I hereby certify that this plan,
	specification, or report was prepared by me or under my
	direct supervision and that I am a

nature: _	MINDS	
printed name: _	MIKE DOLEJS	
reg. #: _	14204	

duly Licensed Professional Engineer under the laws of the

State of South Dakota.

edi-dolejs
Caradic
consulting engineers

sign date: 01/12/2024

1112 North 5th Street
Minneapolis, MN 55411
(612) 343-5965

Mankato, MN 56001
(507) 625-7869

revision / issue	no.	date

MECHANICAL
sheet title:

M7.1

EDI-DOLEJS #20-072

WOODROW WILSON KEEBLE MEMORIAL HEALTH CARE CENTER USP COMPLIANCE

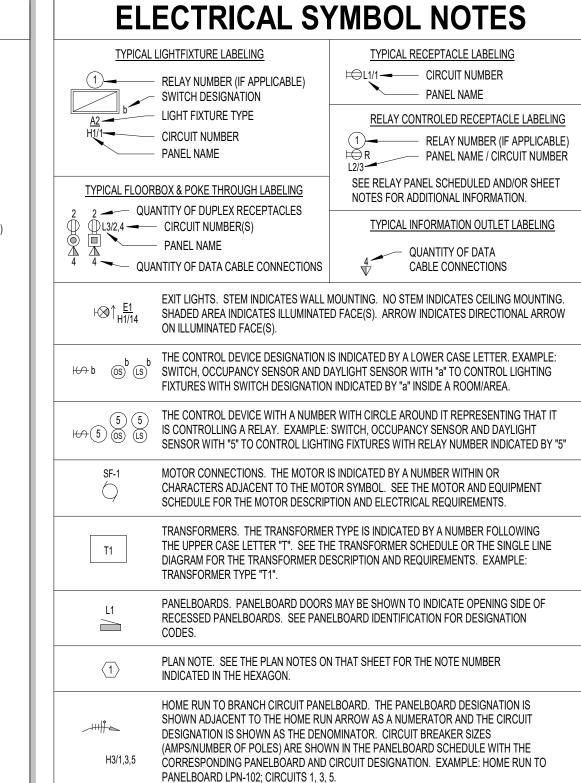
100 LAKE TRAVERSE DRIVE SISSETON, SD 57262 IHS Project # GP19S1079C8

ELECTRICAL DRAWINGS

AFF	SYMBOL	<u>DESCRIPTION</u>	HT AFF	SYMBOL	DESCRIPTION	HT AFF	SYMBOL	<u>DESCRIPTION</u>	HT AFF	SYMBOL	<u>DESCRIPTION</u>
		SURFACE MOUNTED DOWNLIGHT (TYPE DENOTED)	20"	A	MULTIOUTLET ASSEMBLY (TYPE DENOTED)			CONDUIT CONCEALED IN WALL OR OVERHEAD	90"**	 H F ⋈	FIRE ALARM HORN
NOTED	Ю	WALL MOUNTED LIGHT (TYPE DENOTED)	20"	₽₩В	MULTIOUTLET ASSEMBLY (TYPE DENOTED)	-		CONDUIT CONCEALED BELOW FLOOR	90"**	- ↓ - HF	FIRE ALARM HORN W/STROBE (CANDELAS)
110125	\oslash	RECESSED LIGHT (TYPE DENOTED)	84"	H ⊝ A	CLOCK (TYPE DENOTED)	-		CONDUIT EXPOSED	90"**	HED	FIRE ALARM BELL
R SCHED		POLE MOUNTED LIGHT (TYPE DENOTED)	0.	P	POWER POLE (OPEN OFFICE STYLE)	1		CONDUIT TRANSITION UP	90"**		FIRE ALARM BELL W/STROBE (CANDELAS)
	4 4 4 4	,	AS NOTED		SPECIAL RECEPT. OR CONN. (SEE SCHEDULE)	-		CONDUIT TRANSITION DOWN	90"**	HE=	FIRE ALARM CHIME
R SCHED		POLE MOUNTED FLOODLIGHT (TYPE DENOTED)	7.0 7.0	(2)—⊚	SPECIAL CONNECTION (SEE SCHEDULE)	-		CONDUIT STUBBED OUT	90"**		FIRE ALARM CHIME W/STROBE (CANDELAS)
	0	SURFACE LIGHT (TYPE DENOTED)	AS NOTED	⊕ ₩ 0	JUNCTION BOX	1	4	BRANCH CIRCUIT HOME RUN	90"**	<u>~</u>	FIRE ALARM STROBE (CANDELAS)
•	0 0	SUSPENDED OR PENDANT LIGHT (TYPE DENOTED)	NO NOTED	PB	PULL BOX	_		CONDUIT SLEEVE (SIZE DENOTED)	90"**	⊢Ē 110cd -∳ 110 cd	, ,
		RECESSED LIGHT (TYPE DENOTED)		⊕	GROUND ROD (PLAN VIEW)	_		CABLE TRAY (TYPE DENOTED)	60"**		FIRE ALARM REMOTE ANNUNCIATOR
	<u> </u>	STRIP LIGHT (TYPE DENOTED))	GROUND CONNECTION TO STEEL OR STRUCTURE	_		LADDER RACK (TYPE DENOTED)	8"***	FA ANNUN	SMOKE DETECTOR (TYPE DENOTED)
NOTED =	<u> </u>	TRACK AND TRACK LIGHT (TYPES DENOTED)		<u> </u>	GROUND CONNECTION - EXOTHERMIC WELD	_		UNDERFLOOR RACEWAY SYSTEM	U		HEAT DETECTOR (TYPE & TEMP DENOTED)
96"		EMERGENCY BATTERY LIGHT (TYPE DENOTED)		-(P)-	UTILITY SERVICE POWER POLE (SITE)	_		CHAPLIN ECONOMIC PART OF OFFICE		R/F135 R/F135	LINEAR HEAT DETECTOR
12"*	\bowtie	EXIT SIGN (TYPE DENOTED)		U	S.E. SERVISE CONTENT SEE (SILE)	-		FLOOR BOX FURNITURE FEED (TYPE AS NOTED)		(F)	DUCT SMOKE DETECTOR (TYPE DENOTED)
NOTED		LIGHT FIXTURE WITH EMERGENCY BALLAST	VERIFY	L1	SURFACE BRANCH CIRCUIT PANEL (250-V OR LESS)	-		FLOOR BOX WITH DATA (QUANTITIES AS NOTED)	48"	P H•	REMOTE TEST/STATUS STATION
			VERIFY	L1 L1	RECESSED BRANCH CIRCUIT PANEL (250-V OR LESS)			FLOOR BOX WITH DATA (QUANTITIES AS NOTED) FLOOR BOX WITH RECEPTACLE (QUANTITIES AS NOTED)	40		FLAME DETECTOR (TYPE DENOTED)
S NOTED	<u> </u>	NIGHT LIGHT FIXTURE WITH EMERGENCY BALLAST		H1	SURFACE BRANCH CIRCUIT PANEL (277/480 VOLT)	-		FLOOR BOX WITH RECEPTACLE (QUANTITIES AS NOTED) FLOOR BOX W/RECEPTACLE & DATA (QUANTITIES AS NOTED)		UV/IR UV/IR	GAS DETECTOR (TYPE DENOTED)
		LIGHT ON CORD REEL (TYPE DENOTED)	VERIFY	H1	RECESSED BRANCH PANEL (277/480 VOLT)	-		POKE THROUGH FURNITURE FEED (TYPE AS NOTED)	48"***		F.A. PULLSTATION
NOTED [LIGHTING CHANNEL WIRE (TYPE DENOTED)	VERIFY		POWER OR DISTRIBUTION PANEL	-	⊚	POKE THROUGH FURNITURE FEED (TYPE AS NOTED) POKE THROUGH WITH DATA (QUANTITIES AS NOTED)	40	HE E	F.A. ZONE ADDRESSABLE MODULE
			VERIFY		SWITCHBOARD MAIN	-		POKE THROUGH WITH DATA (QUANTITIES AS NOTED) POKE THROUGH WITH RECEPTACLE (QUANTITIES AS NOTED)		Z	F.A. ZONE ADDRESSABLE MODULE F.A. INDIVIDUAL ADDRESSABLE MODULE
48"	160	SINGLE POLE SW.	VERIFY					, ,		I	F.A. DOOR HOLDER
48"	l ← 2	2 POLE SINGLE THROW SW.	VERIFY		SPECIAL CABINET (TYPE DENOTED)	_	$\bigoplus \bigcirc \triangleleft$	POKE THROUGH W/RECEPT & DATA (QUANTITIES AS NOTED)		⊢© #	
48"	l ⇔ ³	3-WAY SW.		T1	TRANSFORMER (TYPE DENOTED)			TELEPHONE OUTLET (TYPE DENOTED)		\ <u>\</u>	F.A. DOOR CLOSER
48"	l ⇔ ⁴	4-WAY SW.			GROUND BAR	20"	₩. W	TELEPHONE OUTLET (TYPE DENOTED)		FR	FIRE ALARM SHUT DOWN RELAY
48"	1	KEYED SW.		VFD	ADJUSTABLE SPEED DRIVE	48"***	\bowtie	WALL TELEPHONE OUTLET (TYPE DENOTED)		\hookrightarrow	SPRINKLER FLOW SWITCH
48"	1600 0	SW. W/PILOT		25 KVA	GENERATOR (KVA DENOTED)	20"	\bowtie	INFORMATION OUTLET (TYPE DENOTED)			SPRINKLER VALVE TAMPER SWITCH
48"	├	SEPARATE PILOT LIGHT		SF-1	MOTOR (SEE SCHEDULE)	48"	+(0)	INTERCOM OUTLET LOCATION		→	SPRINKLER LEVEL SWITCH
48"	⊮∽ ^D	DIMMER SWITCH			DAMPER MOTOR	20"	\square	TELEVISION OUTLET		√	SPRINKLER PRESSURE SWITCH
48"	l⇔ ^{os}	OCCUPANCY SENSOR SWITCH	48"		MANUAL MTR. STR. (W/OVERLOADS)	20"		MULTIPLE SERVICE OUTLET (TYPE DENOTED)		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	SPRINKLER TEMPERATURE SWITCH
48"	l⇔ ™c	MOMENTARY CONTACT SWITCH	72"**	\boxtimes	MAG. MOTOR STARTER OR CONTACTOR		\times	CEILING MOUNT WIRELESS ACCESS POINT		→ ELR	END OF LINE RESISTOR
48"	₩	TIMER SWITCH	72"**	\boxtimes_{h}	COMB. MOTOR STARTER (NON-FUSED)	20"	H® ,,,	DICTATION OUTLET LOCATION		H	MUSHROOM SWITCH
48"	HOTD	TIME DELAY SWITCH	72"**	\boxtimes_{h}	COMB. MOTOR STARTER (FUSED)	48"***	$\vdash \mathbb{D}^{W}$	WALL DICTATION OUTLET LOCATION	48"	H • • •	START/STOP PUSH BUTTON STATION
48"	l ⇔ SP	FAN SPEED CONTROL	72"**	\Box h	SAFETY DISC. SW. (NON-FUSED)	20"	H©	EQUIPMENT GROUND OUTLET		り	ADA DOOR OPENER
48"	ŀ↔ ^M	MOTOR HORSEPOWER RATED SWITCH	AS ™ OFFED	\square	SAFETY DISC. SW. (FUSED)	AS NOTED	⊢(J) NFV-4x2	X-RAY FILM VIEWER (SEE SPECIFICATIONS)		S DA	DURESS PUSHBUTTON - SURFACE MOUNTED
					BUS DUCT WITH PLUG UN DISCONNECT (FUSED)	84"	$H\Box Q$	BELL		HS DA	DURESS PUSHBUTTON - WALL MOUNTED
48"	Ho	PUSH BUTTON			VARIABLE FREQUENCY DRIVE	84"	H□/	BUZZER	48"***	 -	INMATE WALL PHONE (TYPE DENOTED)
20"	Ю	SINGLE RECEPT.	72"**	R	RELAY		H_=	CHIME	48"***	⊲≤	VIDEO VISITATION (TYPE DENOTED)
20"	Ħ	DUPLEX RECEPT.	72"**	\cap	ENCLOSED CIRCUIT BREAKER	48"***	H∏ D	DOOR SIGNAL - APT. UNIT		H• EPO	EMERGENCY POWER OFF BUTTON
20"	H	SPLIT DUPLEX RECEPT.		PS ₽	PRESSURE SWITCH	84"	HS S	SPEAKER (WALL OR CEILING MT.)		1	KEYED NOTE (SEE SCHEDULE)
20"	Ħ	ISOLATED GROUND RECEPT (DUPLEX SHOWN)		FS O	FLOAT SWITCH	84"		HORN TYPE SPEAKER		#	RELAY NUMBER
20"	⊨⊕₹	RECEPT ON EMERGENCY CKT (DUPLEX SHOWN)		(OS)	OCCUPANCY SENSOR - TYPE DENOTED		S	SURFACE MT SPEAKER SUSPENDED FROM CEILING		#	KITCHEN EQUIPMENT TAG (SEE SCHEDULE)
20"	⊨	FOURPLEX RECEPT.		LS	LIGHT LEVEL SENSOR - TYPE DENOTED	48"	₩ ^V	VOLUME CONTROL		Þ (₫ 😝	DASHED SYMBOL INDICATES REMOVED
20"	⊭⊕⊑	FOURPLEX RECEPTACLE ON EMERGENCY CIRCUIT	AS NOTED	HPc)	PHOTOCELL	20"	$\vdash M$	MICROPHONE OUTLET		$\bowtie \bowtie$	EXISTING TO REMAIN
20"	₩ ₩	240 VOLT RECEPT.	48"	HTC	TIME CONTROL SWITCH (TIME SWITCH)	20"	HP	PROJECTOR CONTROL OUTLET			
20"	₩.	DUPLEX RECEPT. (RELAY CONTROLLED)	48"	H	HUMIDISTAT	1	+	ANTENNA			
20"	₩ ₩	FOURPLEX RECEPT. (RELAY CONTROLLED)	48"	(T)	THERMOSTAT	1	© (E	WEATHERHEAD			
NOTED	Û~ ⊕	RECEPT ON DROP CORD (DUPLEX SHOWN)	-) Z	SOLENOID VALVE	1	4				
NOILD		RECEPT ON CORD REEL (DUPLEX SHOWN)		Œ	EQUIPMENT PLUG	1					
	$rac{1}{2}$	NEOLI I ON GOND NELL (DOFLEX SHOWIN)		7		1					
						1					

1P	1 POLE (2P, 3P, 4P, ETC.)		FUSE	PA	PUBLIC ADDRESS
٨	AMPERE		FUSED SAFETY DISCONNECT	PB PE	PULL BOX OR PUSHBUTTON
A AC	ABOVE COUNTER OR AIR		SWITCH	PED	PNEUMATIC ELECTRIC PEDESTAL
	CONDITIONER		GAUGE	PF	POWER FACTOR
CLG	ABOVE CEILING		GALLON	PH	PHASE
DO F	AUTOMATIC DOOR OPENER AMP FRAME		GALVANIZED GENERAL CONTRACTOR	PIV PNL	POST INDICATING VALVE PANEL
FF	ABOVE FINISHED FLOOR	GEN	GENERAL CONTRACTOR GENERATOR	PP	POWER POLE
FG	ABOVE FINISHED GRADE	GFI	GROUND FAULT CIRCUIT INTERRUPTER	PR	PAIR
λFI	ARC FAULT CIRCUIT INTERRUPTER		GROUND FAULT PROTECTOR GROUND	PRI PROJ	PRIMARY PROJECTION
AHU	AIR HANDLING UNIT		GALVANIZED RIGID STEEL (CONDUIT)	PRV	POWER ROOF VENTILATOR
AL_	ALUMINUM	GYP BD	GYPSUM BOARD	PT	POTENTIAL TRANSFORMER
ALT AMP	ALTERNATE AMPERE	HOA	HANDS-OFF-AUTOMATIC SWITCH	PVC PWR	POLYVINYL CHLORIDE (CONDUIT) POWER
AMPL	AMPLIFIER	HORIZ	HORIZONTAL		
	ANNUNCIATOR APPROXIMATELY		HORSEPOWER HIGH POWER FACTOR	QUAN	QUANTITY
Q-STAT		HT	HEIGHT	RCPT	RECEPTACLE
RCH	ARCHITECT, ARCHITECTURAL	HTG	HEATING	REQD	REQUIRED
iS IT	AMP SWITCH AMP TRIP	HTR HV	HEATER HIGH VOLTAGE	RM RSC	ROOM RIGID STEEL CONDUIT
ATS	AUTOMATIC TRANSFER SWITCH		HEATING, VENTILATING AND	RTU	ROOF TOP UNIT
OTU	AUTOMATIC		AIR CONDITIONING		
AUX AV	AUXILIARY AUDIO VISUAL	HWP	HYDRONIC WATER PUMP	SC SEC	SURFACE CONDUIT SECONDARY
AV AWG	AMERICAN WIRE GAUGE	IC	INTERRUPTING CAPACITY	SEC	SHEET
		IG	ISOLATED GROUND	SIM	SIMILAR
BATT BD	BATTERY BOARD	IMC INCAND	INTERMEDIATE METAL CONDUIT INCANDESCENT	S/N SPEC	SOLID NEUTRAL SPECIFICATION
BLDG	BUILDING	IR	INFRARED	SPKR	SPEAKER
BMS	BUILDING MANAGEMENT	I/W	INTERLOCK WITH	SP	SPARE
	SYSTEM	LDOV	ILINICTION DOV	SR SS	SURFACE RACEWAY
2	CONDUIT	J-BOX	JUNCTION BOX	SSW	STAINLESS STEEL SELECTOR SWITCH
CAB	CABINET	KV	KILOVOLT	S/S	STOP/START PUSHBUTTONS
CAT CATV	CATALOG CABLE TELEVISION	KVA KVAR	KILOVOLT-AMPERE KILOVOLT-AMPERE REACTIVE	STA STD	STATION STANDARD
B B	CIRCUIT BREAKER	KVAR	KILOVOLT-AMPERE REACTIVE KILOWATT	SURF	SURFACE MOUNTED
CTV	CLOSED CIRCUIT TELEVISION	KWH	KILOWATT HOUR	SW	SWITCH
KT LG	CIRCUIT CEILING	LOC	LOCATE OR LOCATION	SWBD SYM	SWITCHBOARD SYMMETRICAL
COMB	COMBINATION	LT	LIGHT LIGHTNING LIGHTNING LIGHTNING LOW VOLTAGE MAXIMUM MAGNETIC STARTER MOMENTARY CONTACT MECHANICAL CONTRACTOR	SYS	SYSTEM
CMPR	COMPRESSOR	LTG	LIGHTING	TEL (DATA	TELEPHONE
CONN	CONNECTION CONSTRUCTION	LTNG LV	LIGHTNING LOW VOLTAGE	TEL/DATA TERM	TELEPHONE/DATA TERMINAL
ONT	CONTINUATION OR CONTINUOUS	LV	LOW VOLINGE	TL	TWIST LOCK
CONTR	CONTRACTOR	MAX	MAXIMUM	TR	TAMPER RESISTANT
CONV CP	CONVECTOR CIRCULATING PUMP	MAG.S M/C	MAGNETIC STARTER MOMENTARY CONTACT	T-STAT TTC	THERMOSTAT TELEPHONE TERMINAL
RT	CATHODE-RAY TUBE	MC	MECHANICAL CONTRACTOR		CABINET
T	CURRENT TRANSFORMER	MCB	MAIN CIRCUIT BREAKER	TVTC	TELEVISION
CTR CU	COPPER	MCC MDC	MOTOR CONTROL CENTER MAIN DISTRIBUTION CENTER	TVTC TYP	TELEVISION TERMINAL CABINET TYPICAL
		MDP	MAIN DISTRIBUTION PANEL		
DCP I	DOMESTIC WATER	MFR	MANUFACTURER	UC UE	UNDER COUNTER UNDERGROUND ELECTRICAL
) DEPT I	DEPARTMENT	MFS MH	MAIN FUSED DISCONNECT SWITCH MANHOLE	UE UG	UNDERGROUND ELECTRICAL UNDERGROUND
DET I	DETAIL	MIC		UH	UNIT HEATER
DIA I DISC I	DIAMETER	MIN MISC	MICROPHONE MINIMUM MISCELLANEOUS	UT UTIL	UNDERGROUND TELEPHONE UTILITY
DIST I	CORRENT TRANSFORMER CENTER COPPER DOMESTIC WATER CIRCULATING PUMP DEPARTMENT DETAIL DIAMETER DISCONNECT DISTRIBUTION DOWN DAMPER	MLO	MAIN LUGS ONLY	UV	UNIT VENTILATOR OR ULTRAVIO
ON I	DOWN	MMS	MAIN LUGS ONLY MANUAL MOTOR STARTER		
OPR I	DAMPER SAFETY DISCONNECT SWITCH	MOA MSP	MULTIOUTLET ASSEMBLY MOTOR STARTER PANELBOARD	V VA	VOLT-AMPERES
	DOUBLE THROW	MSBD	MAIN SWITCHBOARD	VA VDT	VIDEO DISPLAY TERMINAL
DWG I	DRAWING	MT	MOUNT	VERT	VERTICAL
EC I		MT.C MTS	EMPTY CONDUIT MANUAL TRANSFER SWITCH	VFD VOL	VARIABLE FREQUENCY DRIVE VOLUME
ELEC I	ELECTRICAL CONTRACTOR ELECTRICAL	MTR	MOTOR, MOTORIZED	V OL	V OLUIVIL
:LEV I	ELEVATOR			W	WATT
M I	EMERGENCY ENERGY MANAGEMENT SYSTEM	N.C. NEC	NORMALLY CLOSED NATIONAL ELECTRICAL CODE	W/ WG	WITH WIRE GUARD
EMT I	ENERGY MANAGEMENT SYSTEM ELECTRICAL METALLIC TUBING ELECTRIC PNEUMATIC	NEMA	NATIONAL ELECTRICAL GODE	WH	WATER HEATER
P I	ELECTRIC PNEUMATIC		MANUFACTURER'S	W/O	WITHOUT
EQUIP I EWC I	EQUIPMENT ELECTRIC WATER COOLER	NFDS	ASSOCIATION NON-FUSED SAFETY	WP	WEATHERPROOF
exist i	EXISTING		DISCONNECT SWITCH	XFMR	TRANSFORMER
EXH I	EXHAUST	NIC	NOT IN CONTRACT	XFR	TRANSFER
XP I	EXPLOSION PROOF	NL N.O.	NON-FUSED SAFETY DISCONNECT SWITCH NOT IN CONTRACT NIGHT LIGHT NORMALLY OPEN		ANGLE
	FIRE ALARM	NPF	NORMAL POWER FACTOR	@	AT
		NTS	NOT TO SCALE	@ △	DELTA
FABP I	FIRE ALARM BOOSTER POWER	1110			
FABP I	SUPPLY PANEL		OVERHEAD	"	FEET
FABP I S FACP I		OH OL	OVERHEAD OVERLOADS	"	
FABP I FACP I FCU I FIXT I	SUPPLY PANEL FIRE ALARM CONTROL PANEL	ОН	NORMAL POWER FACTOR NOT TO SCALE OVERHEAD OVERLOADS PUBLIC ADDRESS		FEET INCHES

SPECIFIC CODE NOTES A. PENETRATIONS IN WALLS REQUIRING PROTECTED OPENINGS MUST BE FIRESTOPPED WITH AN APPROVED MATERIAL. 1. CONDUITS MAY PENETRATE WALLS OR PARTITIONS, PROVIDED THEY ARE FIRE-STOPPED. 2. OPENINGS FOR STEEL ELECTRICAL BOXES NOT EXCEEDING 16 SQUARE INCHES ARE PERMITTED PROVIDED OPENINGS DO NOT AGGREGATE MORE THAN 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF WALL OR 3. OUTLET BOXES ON OPPOSITE SIDES OF WALLS OR PARTITIONS MUST BE SEPARATED BY A HORIZONTAL DISTANCE OF 24 INCHES. B. LIGHT FIXTURES AND OTHER APPARATUS SUPPORTED BY THE ACOUSTICAL CEILING GRID MUST MEET THE REQUIREMENTS OF NEC SECTION 410.16, MEANS OF SUPPORT. C. RECESSED LIGHTING FIXTURES INSTALLED IN FIRE RATED CEILING ASSEMBLIES SHALL BE FIRE RATED FIXTURES BEARING THE UL FIRE RATED LABEL. FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE UL FIRE RESISTANCE DIRECTORY, AND SHALL INCLUDE A FIRE RATED ENCLOSURE INSTALLED OVER THE FIXTURE THAT MEETS THE REQUIREMENTS OF THE UL FIRE RESISTANCE DIRECTORY.

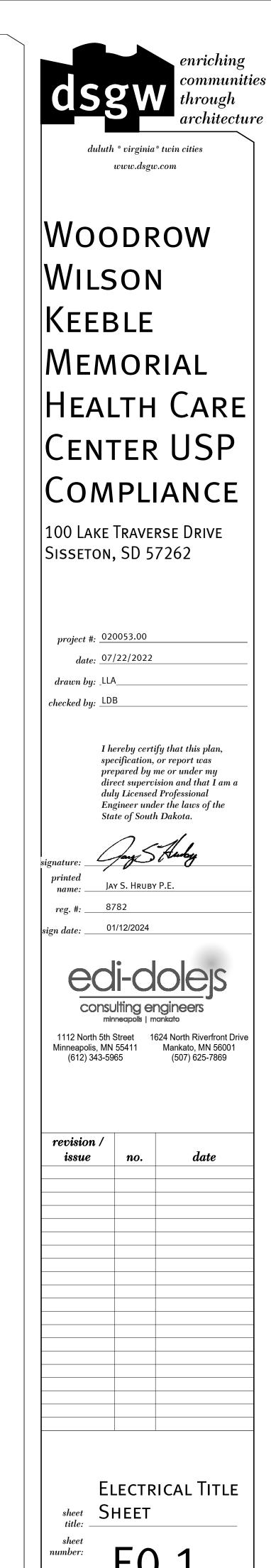


ELECTRICAL SHEET INDEX

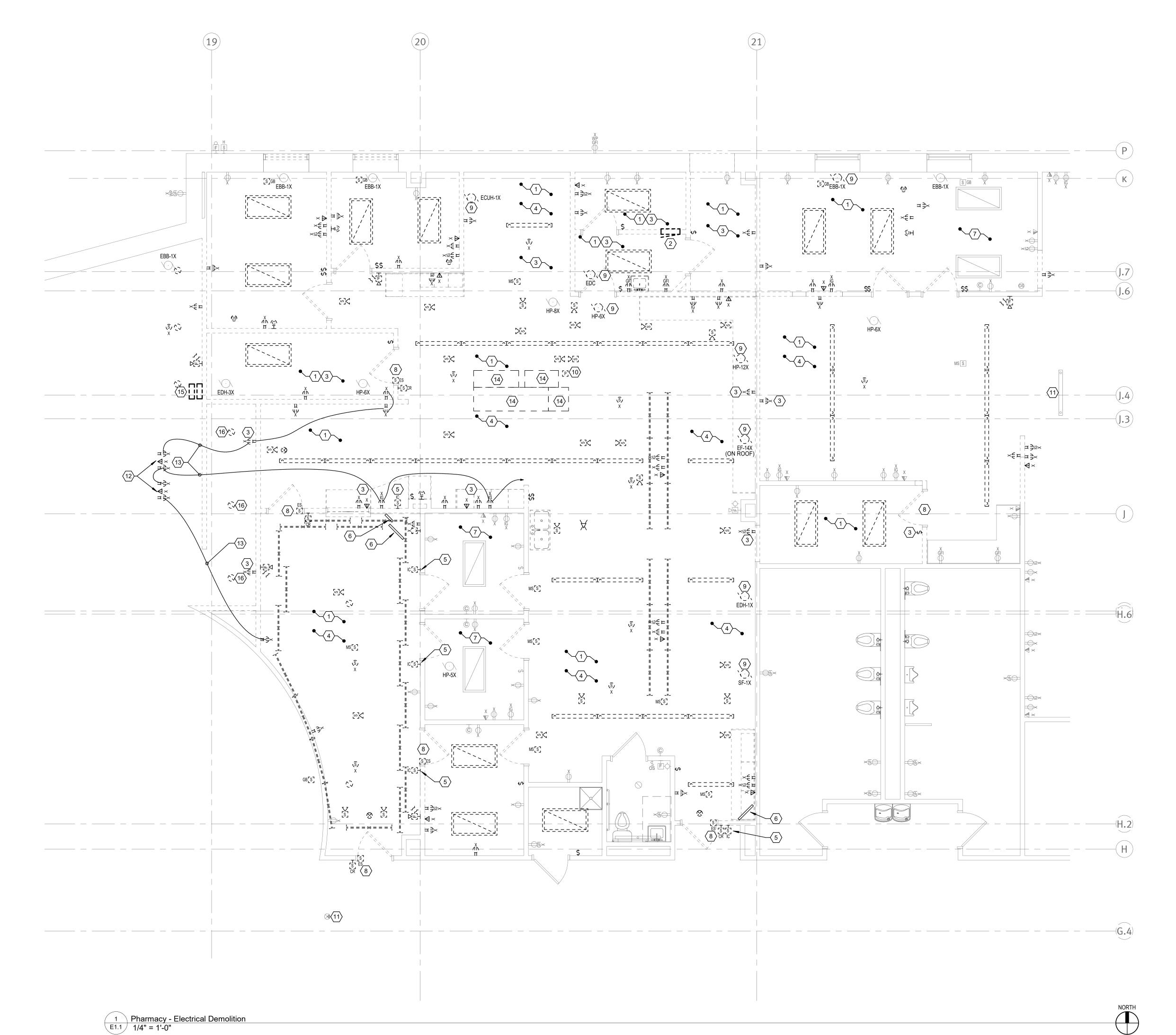
Pharmacy - Electrical Demolition Ambulance Garage - Electrical Demolition E2.1 Pharmacy - Lighting Ambulance Garage - Lighting First Floor Plan- Power & Systems Pharmacy - Power & Systems Ambulance Garage - Power & Systems Schedules - Electrical Schedules - Electrical

Electrical Title Sheet

Details - Electrical



EDI-DOLEJS #20-072



- A. FOR ITEMS TO BE REMOVED, REMOVE CONDUIT AND WIRING BACK TO NEAREST JUNCTION BOX UNLESS NOTED OTHERWISE. LABEL WIRES AS SPARE. IF DEVICES IS ON ITS OWN CIRCUIT, REMOVE WIRING FROM CIRCUIT BREAKER AND LABEL CIRCUIT BREAKER AS 'SPARE'. FOR DEVICES SHOWN TO BE REMOVED IN WALLS THAT REMAIN, REMOVE DEVICE AND PROVIDE BLANK STAINLESS STEEL COVER PLATE. REMOVE WIRING AND CONDUIT IN ALL WALLS AND CEILING BEING REMOVED. ENSURE CONTINUITY TO ALL EXISTING RECEPTACLES, LIGHTS AND ALL OTHER DEVICES THAT REMAIN.
- B. FIELD VERIFY EXISTING CONDITIONS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CHANGES WHICH OCCUR AFTER BIDS ARE SUBMITTED DUE TO EXISTING CONDITIONS.
- C. CUTTING AND PATCHING AS REQUIRED FOR COMPLETION OF ELECTRICAL WORK SHALL BE CARRIED OUT BY THIS CONTRACTOR.
- D. EXISTING BRANCH CIRCUITS FOR PHARMACY AREA ARE HOME RUN TO ELECTRICAL ROOM P10. EXISTING BRANCH CIRCUITS FOR THE AMBULANCE GARAGE AREA ARE HOME RUN TO ROOM W31.
- E. DATA/COMMUNICATION CIRCUITS FOR PHARMACY AREA ARE HOME RUN TO TELECOM ROOM T40/P12. DATA/COMMUNICATION CIRCUITS FOR AMBULANCE GARAGE AREA ARE HOME RUN TO TELECOM ROOM

PLAN NOTES

- 1. DISCONNECT AND REMOVE LIGHTING EQUIPMENT IN THIS SPACE, INCLUDING LIGHT FIXTURES, SWITCHES, EMERGENCY AND NORMAL LIGHTING WIRING. ALSO FIRE ALARM DEVICES AS SHOWN. MAINTAIN CONTINUITY TO REMAINING CIRCUITS.
- 2. RELOCATE EXISTING 100 AMP 480/277 VOLT 3 PHASE PANELBOARD H7HP AND ASSOCIATED CIRCUITS TO NEW LOCATION SHOWN. EXTEND CIRCUITS AS NEEDED. REFER TO PANELBOARD SCHEDULE.
- 3. DISCONNECT AND REMOVE DEVICES AND CIRCUITS SHOWN IN WALLS TO BE REMOVED. WHERE CONDUITS FOR DEVICES COME FROM FLOOR SAW CUT AND PROVIDE FLOOR BOXES AND WIRING AT LOCATIONS TO ENABLE CIRCUIT CONTINUITY. UTILIZE ON GRADE BOXES SIMILAR TO WIREMOLD 880 SERIES ONE GANG OR TWO GANG WITH SOLID COVERS. COLOR BY ARCHITECT.
- 4. EXISTING CEILING MOUNTD DEVICES SUCH AS CAMERAS, MOTION SENSORS, EXIT SIGNS, SPEAKERS, WIRELESS ACCESS ARE TO BE DISCONNECTED TO FACILITATE THE CEILING REPLACEMENT. RELOCATE AND RECONNECT AT NEW CEILING LOCATIONS AS SHOWN ON SHEET E3.2.
- SYSTEM. REPLACE WITH NEW INTERCOM SYSTEM AS SHOWN ON SHEET E3.2.

5. DISCONNECT AND REMOVE ESISTING INTERCOM

- 6. RELOCATE EXISTING MONITORS TO NEW LOCATIONS AS SHOWN ON SHEET E3.2.
- EXISTING SPACE TO REMAIN AS-IS UNLESS NOTED OTHERWISE.
- 8. DISCONNECT AND REMOVE EXISTING DOOR CONTROLS TO ENABLE DOOR REPLACEMENT. SALAVAGE EXISTING CARD READER FOR REUSE BY OWNER'S VENDOR.
- 9. DISCONNECT POWER TO EXISTING MECHANICAL EQUIPMENT IN THIS SPACE TO ENABLE REMOVAL BY MECHANICAL CONTRACTOR. DISCONNECT AND REMOVE ASSOCIATED ELECTRICAL EQUIPMENT. COORDINATE WITH MECHANICAL CONTRACTOR.
- 10. CONTRACTOR TO RELOCATE EXISTING POWER POLE WITH FOUR (4) POWER AND SIX (6) DATA CIRCUITS FEEDING THE DISPENSING UNIT AND OTHER ADJACENT EQUIPMENT. RELOCATE POWER POLE AND CIRCUITS TO NEW LOCATION AS SHOWN ON SHEET E3.2.
- 11. PROVIDE NEW WIRING CONNECTION FOR EMERGENCY LIGHTING CIRCUIT FROM EXISTING LAMP CIRCUIT TO EXISTING EXIT LIGHT. UTILIZE TWO (2) #12 AWG PLUS ONE (1) #12 AWG GROUND.
- 12. EXISTING SECURITY DESK POWER AND DATA CIRCUITS TO BE DISCONNECTED AND REMOVED.
- 13. MAINTAIN CIRCUIT CONTINUITY OF EXISTING REMAINING POWER AND DATA CIRCUITS TO THE SECURITY DESK.
- 14. EXISTING DISPENSING EQUIPMENT TO BE RELOCATED BY OWNER. CONTRACTOR TO RELOCATE POWER AND DATA CIRCUITS AT NEW LOCATION AS PER PLAN NOTE
- 15. EXISTING GENERATOR ALARM AND ANNUNCIATOR PANELS TO BE RELOCATED BY CONTRACTOR TO NEW LOCATION AS SHOWN ON SHEET E3.2. EXTEND WIRING AS NEEDED.
- 16. DISCONNECT AND REMOVE EXISTING CEILING MOUNTED LIGHTS FROM CEILING SPACE AT THE BACK OF THE EXISTING SECURITY DESK.



duluth ° virginia° twin cities www.dsgw.com

WOODROW
WILSON
KEEBLE
MEMORIAL
HEALTH CARE
CENTER USP
COMPLIANCE

100 Lake Traverse Drive Sisseton, SD 57262

oject #:	020053.00
date:	07/22/2022

drawn by: _LLA___ checked by: _LDB

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

	and.	
e: _	Lay Huby	

ture:

Inted

ame: JAY S. HRUBY P.E.

name: JAY S. HRUBY P.E.

reg. #: _____8782 sign date: _____01/12/2024



1112 North 5th Street 1624 North Riverfront Drive

consulting engineers

Minneapolis, MN 55411 Mankato, MN 56001 (612) 343-5965 (507) 625-7869

revision / date

Pharmacy -Electrical

sheet title:

sheet umber:

F111

A. FOR ITEMS TO BE REMOVED, REMOVE CONDUIT AND WIRING BACK TO NEAREST JUNCTION BOX UNLESS NOTED OTHERWISE. LABEL WIRES AS SPARE. IF DEVICES IS ON ITS OWN CIRCUIT, REMOVE WIRING FROM CIRCUIT BREAKER AND LABEL CIRCUIT BREAKER AS 'SPARE'. FOR DEVICES SHOWN TO BE REMOVED IN WALLS THAT REMAIN, REMOVE DEVICE AND PROVIDE BLANK STAINLESS STEEL COVER PLATE. REMOVE WIRING AND CONDUIT IN ALL WALLS AND CEILING BEING REMOVED. ENSURE CONTINUITY TO ALL EXISTING RECEPTACLES, LIGHTS AND ALL OTHER DEVICES THAT REMAIN. B. FIELD VERIFY EXISTING CONDITIONS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CHANGES WHICH OCCUR AFTER BIDS ARE SUBMITTED DUE TO EXISTING CONDITIONS. C. CUTTING AND PATCHING AS REQUIRED FOR COMPLETION OF ELECTRICAL WORK SHALL BE CARRIED OUT BY THIS CONTRACTOR. D. EXISTING BRANCH CIRCUITS FOR PHARMACY AREA ARE HOME RUN TO ELECTRICAL ROOM P10. EXISTING BRANCH CIRCUITS FOR THE AMBULANCE GARAGE AREA ARE HOME RUN TO ROOM W31. E. DATA/COMMUNICATION CIRCUITS FOR PHARMACY AREA ARE HOME RUN TO TELECOM ROOM T40/P12. DATA/COMMUNICATION CIRCUITS FOR AMBULANCE GARAGE AREA ARE HOME RUN TO TELECOM ROOM **PLAN NOTES** 1. DISCONNECT AND REMOVE LIGHTING EQUIPMENT IN THIS SPACE, INCLUDING LIGHT FIXTURES, SWITCHES, EMERGENCY AND NORMAL LIGHTING WIRING. ALSO FIRE ALARM DEVICES AS SHOWN. MAINTAIN CONTINUITY TO REMAINING CIRCUITS. 2. DISCONNECT AND REMOVE DEVICES AND CIRCUITS SHOWN IN WALLS REMAINING AND TO BE REMOVED. WHERE CONDUITS FOR DEVICES COME FROM FLOOR SAW CUT AND PROVIDE FLOOR BOXES AND WIRING AT LOCATIONS TO ENABLE CIRCUIT CONTINUITY. UTILIZE ON GRADE BOXES SIMILAR TO WIREMOLD 880 SERIES ONE GANG OR TWO GANG WITH SOLID COVERS. COLOR BY ARCHITECT. 3. EXISTING MOUNTED DEVICES SUCH AS CAMERAS, MOTION SENSORS, SPEAKERS, WIRELESS ACCESS ARE TO BE DISCONNECTED TO FACILITATE THE CEILING INSTALLATION. RE-INSTALL AT NEW CEILING LOCATIONS AS SHOWN ON SHEET E3.3. 4. DISCONNECT AND REMOVE EXISTING DOOR CONTROLS TO ENABLE DOOR REMOVAL. SALAVAGE EXISTING 21 CARD READER FOR REUSE BY OWNER'S VENDOR. 5. DISCONNECT POWER TO EXISTING MECHANICAL EQUIPMENT IN THIS SPACE TO ENABLE REMOVAL. DISCONNECT AND REMOVE ASSOCIATED ELECTRICAL EQUIPMENT. COORDINATE WITH MECHANICAL CONTRACTOR OR OTHER TRADES. ×હ€⊨ 1 Ambulance Garage - Electrical Demolition E1.2 1/4" = 1'-0" 0 2' 4' 8'

GENERAL NOTES



duluth * virginia* twin cities www.dsgw.com

Woodrow WILSON KEEBLE MEMORIAL HEALTH CARE CENTER USP COMPLIANCE

100 Lake Traverse Drive SISSETON, SD 57262

project #:	020053.00
date:	07/22/2022
drawn by:	_LLA
checked by:	LDB
v	

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

signature: _	Jay S Huby
printed name: _	Jay S. Hruby P.E.
reg. #: _	8782
sign date: _	01/12/2024

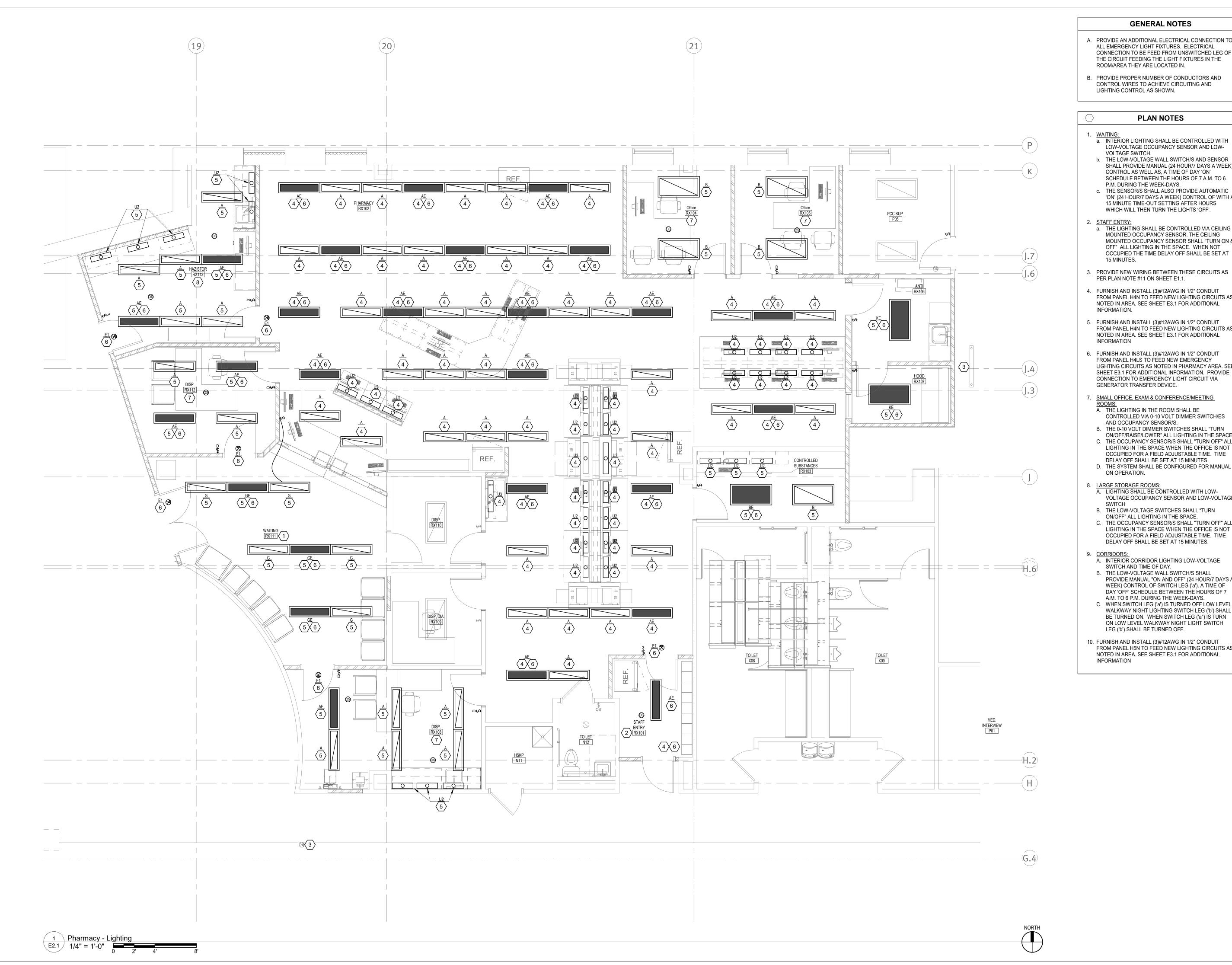


1112 North 5th Street
Minneapolis, MN 55411
(612) 343-5965

1624 North Riverfront Drive
Mankato, MN 56001
(507) 625-7869

		I
evision /		
issue	no.	date

AMBULANCE Garage -ELECTRICAL sheet DEMOLITION title:





- A. PROVIDE AN ADDITIONAL ELECTRICAL CONNECTION TO ALL EMERGENCY LIGHT FIXTURES. ELECTRICAL CONNECTION TO BE FEED FROM UNSWITCHED LEG OF THE CIRCUIT FEEDING THE LIGHT FIXTURES IN THE ROOM/AREA THEY ARE LOCATED IN.
- B. PROVIDE PROPER NUMBER OF CONDUCTORS AND CONTROL WIRES TO ACHIEVE CIRCUITING AND

- THE LOW-VOLTAGE WALL SWITCH/S AND SENSOR SHALL PROVIDE MANUAL (24 HOUR/7 DAYS A WEEK) CONTROL AS WELL AS, A TIME OF DAY 'ON' SCHEDULE BETWEEN THE HOURS OF 7 A.M. TO 6
- c. THE SENSOR/S SHALL ALSO PROVIDE AUTOMATIC 'ON' (24 HOUR/7 DAYS A WEEK) CONTROL OF WITH A 15 MINUTE TIME-OUT SETTING AFTER HOURS WHICH WILL THEN TURN THE LIGHTS 'OFF'.
- MOUNTED OCCUPANCY SENSOR. THE CEILING MOUNTED OCCUPANCY SENSOR SHALL "TURN ON & OFF" ALL LIGHTING IN THE SPACE. WHEN NOT OCCUPIED THE TIME DELAY OFF SHALL BE SET AT
- 3. PROVIDE NEW WIRING BETWEEN THESE CIRCUITS AS PER PLAN NOTE #11 ON SHEET E1.1.
- 4. FURNISH AND INSTALL (3)#12AWG IN 1/2" CONDUIT FROM PANEL H4N TO FEED NEW LIGHTING CIRCUITS AS NOTED IN AREA. SEE SHEET E3.1 FOR ADDITIONAL
- 5. FURNISH AND INSTALL (3)#12AWG IN 1/2" CONDUIT FROM PANEL H4N TO FEED NEW LIGHTING CIRCUITS AS NOTED IN AREA. SEE SHEET E3.1 FOR ADDITIONAL
- 6. FURNISH AND INSTALL (3)#12AWG IN 1/2" CONDUIT FROM PANEL H4LS TO FEED NEW EMERGENCY LIGHTING CIRCUITS AS NOTED IN PHARMACY AREA. SEE SHEET E3.1 FOR ADDITIONAL INFORMATION. PROVIDE CONNECTION TO EMERGENCY LIGHT CIRCUIT VIA
- SMALL OFFICE, EXAM & CONFERENCE/MEETING
- CONTROLLED VIA 0-10 VOLT DIMMER SWITCH/ES
- B. THE 0-10 VOLT DIMMER SWITCHES SHALL "TURN
- ON/OFF/RAISE/LOWER" ALL LIGHTING IN THE SPACE, C. THE OCCUPANCY SENSOR/S SHALL "TURN OFF" ALL LIGHTING IN THE SPACE WHEN THE OFFICE IS NOT OCCUPIED FOR A FIELD ADJUSTABLE TIME. TIME
- D. THE SYSTEM SHALL BE CONFIGURED FOR MANUAL
- VOLTAGE OCCUPANCY SENSOR AND LOW-VOLTAGE
- B. THE LOW-VOLTAGE SWITCHES SHALL "TURN
- C. THE OCCUPANCY SENSOR/S SHALL "TURN OFF" ALL LIGHTING IN THE SPACE WHEN THE OFFICE IS NOT OCCUPIED FOR A FIELD ADJUSTABLE TIME. TIME
- A. INTERIOR CORRIDOR LIGHTING LOW-VOLTAGE
- B. THE LOW-VOLTAGE WALL SWITCH/S SHALL PROVIDE MANUAL "ON AND OFF" (24 HOUR/7 DAYS A WEEK) CONTROL OF SWITCH LEG ('a'). A TIME OF DAY 'OFF' SCHEDULE BETWEEN THE HOURS OF 7
- C. WHEN SWITCH LEG ('a') IS TURNED OFF LOW LEVEL WALKWAY NIGHT LIGHTING SWITCH LEG ('b') SHALL BE TURNED ON. WHEN SWITCH LEG ('a") IS TURN ON LOW LEVEL WALKWAY NIGHT LIGHT SWITCH
- 10. FURNISH AND INSTALL (3)#12AWG IN 1/2" CONDUIT FROM PANEL H5N TO FEED NEW LIGHTING CIRCUITS AS NOTED IN AREA. SEE SHEET E3.1 FOR ADDITIONAL



duluth * virginia* twin cities www.dsgw.com

Woodrow WILSON KEEBLE MEMORIAL HEALTH CARE CENTER USP COMPLIANCE

100 Lake Traverse Drive SISSETON, SD 57262

date:	07/22/2022
n by:	_LLA
ed by:	
J	

project #: 020053.00

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

	Lay S Huby	
ıre: _		
tod		

printed name:	JAY S. HRUBY P.E.	
. ц	8782	

reg. #: _____8/82 sign date: 01/12/2024



consulting engineers 1112 North 5th Street 1624 North Riverfront Drive Minneapolis, MN 55411 Mankato, MN 56001

(612) 343-5965

issue

revision /

(507) 625-7869

date

PHARMACY -

sheet LIGHTING

21 CORRIDOR V01 JAN. V09 Work Room 103 9 $\otimes 10 \times 6$ EQUIP. Ambulance Garage - Lightings

GENERAL NOTES

- A. PROVIDE AN ADDITIONAL ELECTRICAL CONNECTION TO ALL EMERGENCY LIGHT FIXTURES. ELECTRICAL CONNECTION TO BE FEED FROM UNSWITCHED LEG OF THE CIRCUIT FEEDING THE LIGHT FIXTURES IN THE ROOM/AREA THEY ARE LOCATED IN.
- B. PROVIDE PROPER NUMBER OF CONDUCTORS AND CONTROL WIRES TO ACHIEVE CIRCUITING AND LIGHTING CONTROL AS SHOWN.

PLAN NOTES

- WAITING:
 a. INTERIOR LIGHTING SHALL BE CONTROLLED WITH LOW-VOLTAGE OCCUPANCY SENSOR AND LOW-
- VOLTAGE SWITCH. b. THE LOW-VOLTAGE WALL SWITCH/S AND SENSOR SHALL PROVIDE MANUAL (24 HOUR/7 DAYS A WEEK) CONTROL AS WELL AS, A TIME OF DAY 'ON' SCHEDULE BETWEEN THE HOURS OF 7 A.M. TO 6 P.M. DURING THE WEEK-DAYS.
- c. THE SENSOR/S SHALL ALSO PROVIDE AUTOMATIC 'ON' (24 HOUR/7 DAYS A WEEK) CONTROL OF WITH A 15 MINUTE TIME-OUT SETTING AFTER HOURS WHICH WILL THEN TURN THE LIGHTS 'OFF'.
- 2. <u>STAFF ENTRY:</u> a. THE LIGHTING SHALL BE CONTROLLED VIA CEILING MOUNTED OCCUPANCY SENSOR. THE CEILING MOUNTED OCCUPANCY SENSOR SHALL "TURN ON &
- OFF" ALL LIGHTING IN THE SPACE. WHEN NOT OCCUPIED THE TIME DELAY OFF SHALL BE SET AT
- 3. PROVIDE NEW WIRING BETWEEN THESE CIRCUITS AS PER PLAN NOTE #11 ON SHEET E1.1.
- 4. FURNISH AND INSTALL (3)#12AWG IN 1/2" CONDUIT FROM PANEL H4N TO FEED NEW LIGHTING CIRCUITS AS NOTED IN AREA. SEE SHEET E3.1 FOR ADDITIONAL INFORMATION.
- 5. FURNISH AND INSTALL (3)#12AWG IN 1/2" CONDUIT FROM PANEL H4N TO FEED NEW LIGHTING CIRCUITS AS NOTED IN AREA. SEE SHEET E3.1 FOR ADDITIONAL INFORMATION
- 6. FURNISH AND INSTALL (3)#12AWG IN 1/2" CONDUIT FROM PANEL H4LS TO FEED NEW EMERGENCY LIGHTING CIRCUITS AS NOTED IN PHARMACY AREA. SEE SHEET E3.1 FOR ADDITIONAL INFORMATION. PROVIDE CONNECTION TO EMERGENCY LIGHT CIRCUIT VIA GENERATOR TRANSFER DEVICE.
- SMALL OFFICE, EXAM & CONFERENCE/MEETING
- ROOMS:
 A. THE LIGHTING IN THE ROOM SHALL BE CONTROLLED VIA 0-10 VOLT DIMMER SWITCH/ES AND OCCUPANCY SENSOR/S.
- B. THE 0-10 VOLT DIMMER SWITCHES SHALL "TURN ON/OFF/RAISE/LOWER" ALL LIGHTING IN THE SPACE,
- C. THE OCCUPANCY SENSOR/S SHALL "TURN OFF" ALL LIGHTING IN THE SPACE WHEN THE OFFICE IS NOT OCCUPIED FOR A FIELD ADJUSTABLE TIME. TIME DELAY OFF SHALL BE SET AT 15 MINUTES.
- D. THE SYSTEM SHALL BE CONFIGURED FOR MANUAL ON OPERATION.

8. LARGE STORAGE ROOMS:

- A. LIGHTING SHALL BE CONTROLLED WITH LOW-VOLTAGE OCCUPANCY SENSOR AND LOW-VOLTAGE
- B. THE LOW-VOLTAGE SWITCHES SHALL "TURN ON/OFF" ALL LIGHTING IN THE SPACE.
- C. THE OCCUPANCY SENSOR/S SHALL "TURN OFF" ALL LIGHTING IN THE SPACE WHEN THE OFFICE IS NOT OCCUPIED FOR A FIELD ADJUSTABLE TIME. TIME DELAY OFF SHALL BE SET AT 15 MINUTES.
- 9. <u>CORRIDORS:</u>A. INTERIOR CORRIDOR LIGHTING LOW-VOLTAGE
- SWITCH AND TIME OF DAY. B. THE LOW-VOLTAGE WALL SWITCH/S SHALL PROVIDE MANUAL "ON AND OFF" (24 HOUR/7 DAYS A WEEK) CONTROL OF SWITCH LEG ('a'). A TIME OF
- DAY 'OFF' SCHEDULE BETWEEN THE HOURS OF 7 A.M. TO 6 P.M. DURING THE WEEK-DAYS. C. WHEN SWITCH LEG ('a') IS TURNED OFF LOW LEVEL WALKWAY NIGHT LIGHTING SWITCH LEG ('b') SHALL BE TURNED ON. WHEN SWITCH LEG ('a") IS TURN ON LOW LEVEL WALKWAY NIGHT LIGHT SWITCH
- LEG ('b') SHALL BE TURNED OFF. 10. FURNISH AND INSTALL (3)#12AWG IN 1/2" CONDUIT FROM PANEL H5N TO FEED NEW LIGHTING CIRCUITS AS NOTED IN AREA. SEE SHEET E3.1 FOR ADDITIONAL INFORMATION



duluth * virginia* twin cities www.dsgw.com

Woodrow WILSON KEEBLE MEMORIAL HEALTH CARE CENTER USP COMPLIANCE

100 Lake Traverse Drive Sisseton, SD 57262

roject #:	020053.00	
Ü		
date:	07/22/2022	

drawn by: _LLA_ checked by: LDB

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

Jay S Huby

JAY S. HRUBY P.E.

reg. #: ____8782

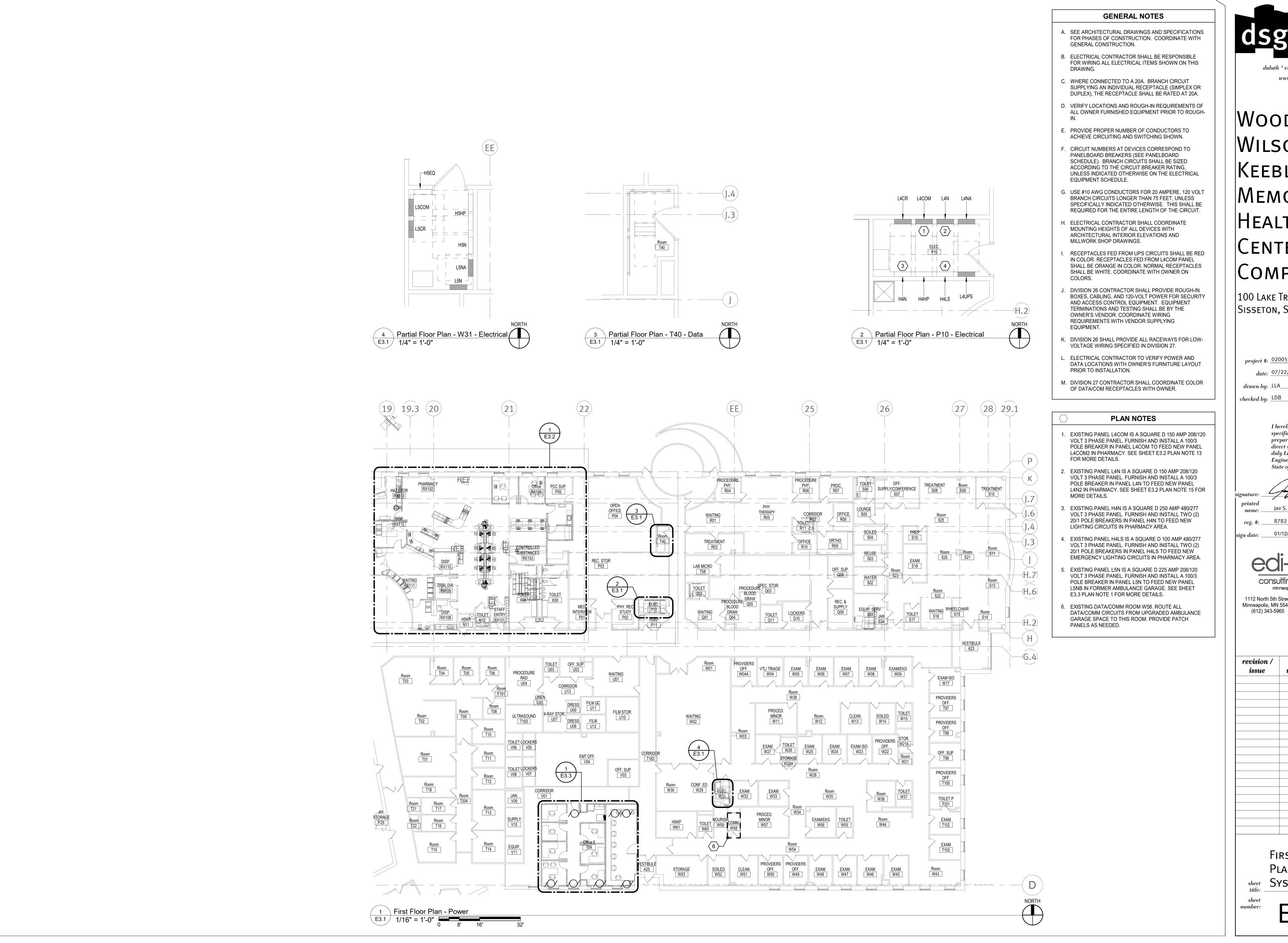
sign date: ____01/12/2024



1112 North 5th Street 1624 North Riverfront Drive Minneapolis, MN 55411 Mankato, MN 56001 (612) 343-5965 (507) 625-7869

revision / dateissue

AMBULANCE Garage sheet LIGHTING title:





duluth * virginia* twin cities www.dsgw.com

Woodrow WILSON KEEBLE MEMORIAL HEALTH CARE CENTER USP COMPLIANCE

100 Lake Traverse Drive Sisseton, SD 57262

project #:	020053.00
date:	07/22/2022
drawn by:	_LLA

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

2 Shuby

ı signature: ₋	Jay Nungy	
printed	Lay C. Havay D. F.	
name: .	Jay S. Hruby P.E.	

reg. #: _____8782 sign date: ____01/12/2024

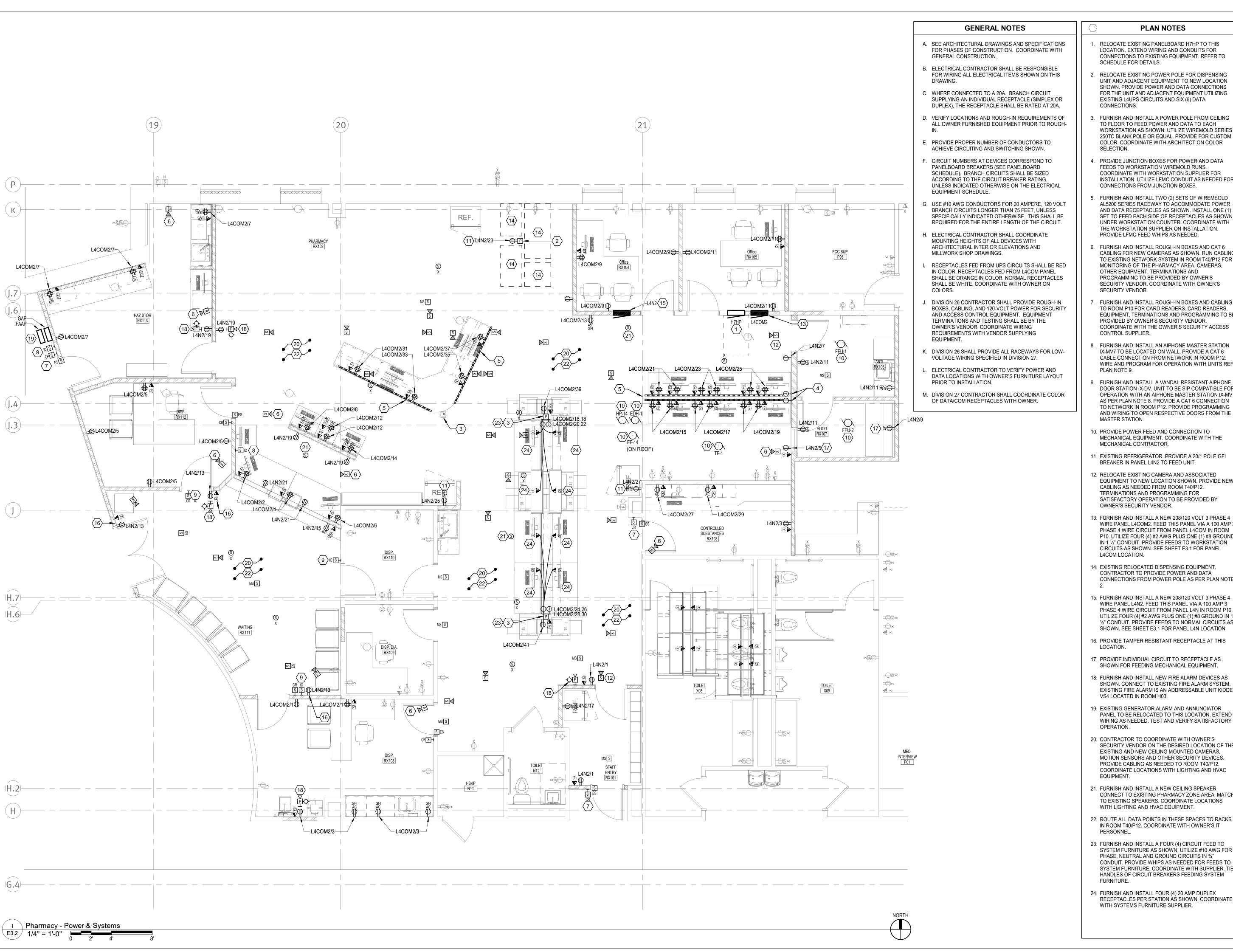


1112 North 5th Street 1624 North Riverfront Drive Minneapolis, MN 55411 Mankato, MN 56001

(507) 625-7869

revision / issue	no.	date

FIRST FLOOR PLAN- POWER & Systems



PLAN NOTES

- RELOCATE EXISTING PANELBOARD H7HP TO THIS LOCATION. EXTEND WIRING AND CONDUITS FOR CONNECTIONS TO EXISTING EQUIPMENT. REFER TO SCHEDULE FOR DETAILS.
- RELOCATE EXISTING POWER POLE FOR DISPENSING UNIT AND ADJACENT EQUIPMENT TO NEW LOCATION SHOWN. PROVIDE POWER AND DATA CONNECTIONS FOR THE UNIT AND ADJACENT EQUIPMENT UTILIZING EXISTING L4UPS CIRCUITS AND SIX (6) DATA
- CONNECTIONS. FURNISH AND INSTALL A POWER POLE FROM CEILING TO FLOOR TO FEED POWER AND DATA TO EACH WORKSTATION AS SHOWN. UTILIZE WIREMOLD SERIES 250TC BLANK POLE OR EQUAL. PROVIDE FOR CUSTOM COLOR. COORDINATE WITH ARCHITECT ON COLOR
- PROVIDE JUNCTION BOXES FOR POWER AND DATA FEEDS TO WORKSTATION WIREMOLD RUNS. COORDINATE WITH WORKSTATION SUPPLIER FOR INSTALLATION. UTILIZE LFMC CONDUIT AS NEEDED FOR CONNECTIONS FROM JUNCTION BOXES.
- FURNISH AND INSTALL TWO (2) SETS OF WIREMEOLD AL5200 SERIES RACEWAY TO ACCOMMODATE POWER AND DATA RECEPTACLES AS SHOWN. INSTALL ONE (1) SET TO FEED EACH SIDE OF RECEPTACLES AS SHOWN UNDER WORKSTATION COUNTER. COORDINATE WITH THE WORKSTATION SUPPLIER ON INSTALLATION. PROVIDE LFMC FEED WHIPS AS NEEDED.
- FURNISH AND INSTALL ROUGH-IN BOXES AND CAT 6 CABLING FOR NEW CAMERAS AS SHOWN. RUN CABLING TO EXISTING NETWORK SYSTEM IN ROOM T40/P12 FOR MONITORING OF THE PHARMACY AREA. CAMERAS, OTHER EQUIPMENT, TERMINATIONS AND PROGRAMMING TO BE PROVIDED BY OWNER'S SECURITY VENDOR. COORDINATE WITH OWNER'S SECURITY VENDOR.
- FURNISH AND INSTALL ROUGH-IN BOXES AND CABLING TO ROOM P10 FOR CARD READERS. CARD READERS, EQUIPMENT, TERMINATIONS AND PROGRAMMING TO BE PROVIDED BY OWNER'S SECURITY VENDOR. COORDINATE WITH THE OWNER'S SECURITY ACCESS CONTROL SUPPLIER.
- . FURNISH AND INSTALL AN AIPHONE MASTER STATION IX-MV7 TO BE LOCATED ON WALL. PROVIDE A CAT 6 CABLE CONNECTION FROM NETWORK IN ROOM P12. WIRE AND PROGRAM FOR OPERATION WITH UNITS REF: PLAN NOTE 9.
- FURNISH AND INSTALL A VANDAL RESISTANT AIPHONE DOOR STATION IX-DV. UNIT TO BE SIP COMPATIBLE FOR OPERATION WITH AN AIPHONE MASTER STATION IX-MV7 AS PER PLAN NOTE 8. PROVIDE A CAT 6 CONNECTION TO NETWORK IN ROOM P12. PROVIDE PROGRAMMING AND WIRING TO OPEN RESPECTIVE DOORS FROM THE MASTER STATION.
- 10. PROVIDE POWER FEED AND CONNECTION TO MECHANICAL EQUIPMENT. COORDINATE WITH THE MECHANICAL CONTRACTOR.
- 11. EXISTING REFRIGERATOR. PROVIDE A 20/1 POLE GFI BREAKER IN PANEL L4N2 TO FEED UNIT.
- 12. RELOCATE EXISTING CAMERA AND ASSOCIATED EQUIPMENT TO NEW LOCATION SHOWN. PROVIDE NEW CABLING AS NEEDED FROM ROOM T40/P12. TERMINATIONS AND PROGRAMMING FOR SATISFACTORY OPERATION TO BE PROVIDED BY OWNER'S SECURITY VENDOR.
- 13. FURNISH AND INSTALL A NEW 208/120 VOLT 3 PHASE 4 WIRE PANEL L4COM2. FEED THIS PANEL VIA A 100 AMP 3 PHASE 4 WIRE CIRCUIT FROM PANEL L4COM IN ROOM P10. UTILIZE FOUR (4) #2 AWG PLUS ONE (1) #8 GROUND IN 1 1/2" CONDUIT. PROVIDE FEEDS TO WORKSTATION CIRCUITS AS SHOWN. SEE SHEET E3.1 FOR PANEL L4COM LOCATION.
- 14. EXISTING RELOCATED DISPENSING EQUIPMENT. CONTRACTOR TO PROVIDE POWER AND DATA CONNECTIONS FROM POWER POLE AS PER PLAN NOTE
- PHASE 4 WIRE CIRCUIT FROM PANEL L4N IN ROOM P10. UTILIZE FOUR (4) #2 AWG PLUS ONE (1) #8 GROUND IN 1 1/2" CONDUIT. PROVIDE FEEDS TO NORMAL CIRCUITS AS SHOWN. SEE SHEET E3.1 FOR PANEL L4N LOCATION.
- 16. PROVIDE TAMPER RESISTANT RECEPTACLE AT THIS LOCATION.
- 17. PROVIDE INDIVIDUAL CIRCUIT TO RECEPTACLE AS SHOWN FOR FEEDING MECHANICAL EQUIPMENT.
- 18. FURNISH AND INSTALL NEW FIRE ALARM DEVICES AS SHOWN. CONNECT TO EXISTING FIRE ALARM SYSTEM. EXISTING FIRE ALARM IS AN ADDRESSABLE UNIT KIDDE VS4 LOCATED IN ROOM H03.
- 19. EXISTING GENERATOR ALARM AND ANNUNCIATOR PANEL TO BE RELOCATED TO THIS LOCATION. EXTEND WIRING AS NEEDED. TEST AND VERIFY SATISFACTORY OPERATION.
- 20. CONTRACTOR TO COORDINATE WITH OWNER'S SECURITY VENDOR ON THE DESIRED LOCATION OF THE EXISTING AND NEW CEILING MOUNTED CAMERAS, MOTION SENSORS AND OTHER SECURITY DEVICES. PROVIDE CABLING AS NEEDED TO ROOM T40/P12. COORDINATE LOCATIONS WITH LIGHTING AND HVAC EQUIPMENT.
- 21. FURNISH AND INSTALL A NEW CEILING SPEAKER. CONNECT TO EXISTING PHARMACY ZONE AREA. MATCH TO EXISTING SPEAKERS. COORDINATE LOCATIONS WITH LIGHTING AND HVAC EQUIPMENT.
- 22. ROUTE ALL DATA POINTS IN THESE SPACES TO RACKS IN ROOM T40/P12. COORDINATE WITH OWNER'S IT
- 23. FURNISH AND INSTALL A FOUR (4) CIRCUIT FEED TO SYSTEM FURNITURE AS SHOWN. UTILIZE #10 AWG FOR PHASE, NEUTRAL AND GROUND CIRCUITS IN 3/4" CONDUIT. PROVIDE WHIPS AS NEEDED FOR FEEDS TO SYSTEM FURNITURE. COORDINATE WITH SUPPLIER. TIE HANDLES OF CIRCUIT BREAKERS FEEDING SYSTEM FURNITURE.
- 24. FURNISH AND INSTALL FOUR (4) 20 AMP DUPLEX RECEPTACLES PER STATION AS SHOWN. COORDINATE WITH SYSTEMS FURNITURE SUPPLIER.



www.dsgw.com

Woodrow WILSON KEEBLE MEMORIAL HEALTH CARE CENTER USP COMPLIANCE

100 Lake Traverse Drive Sisseton, SD 57262

date:	07/22/2022
awn by:	_LLA
cked by:	
nea og.	
	I hereby certify that this plan, specification, or report was

project #: 020053.00

Engineer under the laws of the State of South Dakota.

duly Licensed Professional

direct supervision and that I am a

JAY S. HRUBY P.E. reg. #: _____8782

sign date: ____01/12/2024

(612) 343-5965

1112 North 5th Street 1624 North Riverfront Drive

(507) 625-7869

Minneapolis, MN 55411 Mankato, MN 56001

revision / date

PHARMACY -Power & Systems

21 JAN. V09 ___L5NB(2) __ L5NB(2) L5NB/25 L5NB/23 (2) L5NB/7 L5NB/9 🕁 **⊕**L5NB/21 6 L5NB/9 **₽** L5NB/11 **⊕**L5NB/19 EQUIP. **⊕**L5NB/17 $\sqrt[3]{7}$ (2) D L5NB/31 (2) Ambulance Garage - Power & Systems
E3.3 1/4" = 1'-0"
0 2' 4' 8

PLAN NOTES

- 1. FURNISH AND INSTALL A NEW 208/120 VOLT 3 PHASE 4
 WIRE PANEL L5NB. FEED THIS PANEL VIA A 100 AMP 3
 PHASE 4 WIRE CIRCUIT FROM PANEL L5N IN ROOM W31.
 UTILIZE FOUR (4) #2 AWG PLUS ONE (1) #8 GROUND IN 1
 ½" CONDUIT. PROVIDE FEEDS TO CIRCUITS AS SHOWN.
 SEE SHEET E3 1 FOR PANEL L5N LOCATION
- SEE SHEET E3.1 FOR PANEL L5N LOCATION.

 2. REFRIGERATOR. PROVIDE A 20/1 POLE GFI BREAKER IN PANEL L5NB TO FEED UNIT.
- 3. FURNISH AND INSTALL NEW FIRE ALARM DEVICES AS SHOWN. CONNECT TO EXISTING FIRE ALARM SYSTEM. EXISTING FIRE ALARM IS AN ADDRESSABLE UNIT KIDDE VS4 LOCATED IN ROOM H03.
- PROVIDE POWER FEED AND CONNECTION TO MECHANICAL EQUIPMENT. COORDINATE WITH THE MECHANICAL CONTRACTOR.
- 5. PROVIDE INDIVIDUAL CIRCUIT TO RECEPTACLE AS SHOWN FOR FEEDING MECHANICAL EQUIPMENT.
- 6. ROUTE ALL DATA POINTS IN THESE SPACES TO RACKS IN ROOM W58. COORDINATE WITH OWNER'S IT PERSONNEL.
- FURNISH AND INSTALL A NEW CEILING SPEAKER. CONNECT TO EXISTING ZONE AREA. MATCH TO EXISTING SPEAKERS. COORDINATE LOCATIONS WITH LIGHTING AND HVAC EQUIPMENT.
- 8. FURNISH AND INSTALL ROUGH-IN BOXES AND CABLING TO ROOM P10 FOR CARD READERS. CARD READERS, EQUIPMENT, TERMINATIONS AND PROGRAMMING TO BE PROVIDED BY OWNER'S SECURITY VENDOR. COORDINATE WITH THE OWNER'S SECURITY ACCESS CONTROL SUPPLIER.
- 9. FURNISH AND INSTALL A 15/1 POLE BREAKER IN EXISTING DEMOLISHED CIRCUIT FOR EXISTING PANEL H5HP. USE TO FEED EQUIPMENT UNIT AS SHOWN. REFER TO ELECTRICAL EQUIPMENT SCHEDULE FOR WIRING DETAILS.
- 10. FURNISH AND INSTALL A 20/1 POLE BREAKER IN EXISTING DEMOLISHED CIRCUIT FOR EXISTING PANEL H5HP. USE TO FEED EQUIPMENT AS SHOWN. REFER TO ELECTRICAL EQUIPMENT SCHEDULE FOR WIRING DETAILS.

enriching communities through architecture

duluth ° virginia° twin cities www.dsgw.com

WOODROW
WILSON
KEEBLE
MEMORIAL
HEALTH CARE
CENTER USP
COMPLIANCE

100 Lake Traverse Drive Sisseton, SD 57262

date: 07/22/2022

drawn by: LLA______

checked by: LDB

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a

project #: 020053.00

nature: Jay Huby
printed

duly Licensed Professional Engineer under the laws of the State of South Dakota.

printed
name: JAY S. HRUBY P.E.

reg. #: 8782

reg. #: _____8/82 sign date: _____01/12/2024

edi-dolej consulting engineers minneapolis | mankato

1112 North 5th Street 1624 North Riverfront Drive Minneapolis, MN 55411 Mankato, MN 56001 (507) 625-7869

revision / issue no. date

Addendum 1R 1 7/18/2023

AMBULANCE

GARAGE - POWER

sheet title:

SYSTEMS

E3.3

	LIGHTING FIXTURE SCHEDULE														
TYPE	DESCRIPTION	LENS-LOUVER	MOUNTING	VOLT	WATT	LAMP COLOR	LUMENS	LUMENS PER WATT	BALLAST	MANUFACTURERS	CATALOG SERIES	APPROVED ALTERNATE MANUFACTURES	NOTE		
Α	1' X 4' HIGH PERFORMANCE TROFFER	HOURGLASS LENS	RECESSED IN GRID	120 V	65 W	4000K	6718 lm	103 lm/W	0-10V LED DRIVER	LITHONIA	ENVX-1X4-HRG-7200LM-90CRI-40K-MIN10-ZT-M VOLT-DWAM		2		
AE	1' X 4' HIGH PERFORMANCE TROFFER (EMERGENCY)	HOURGLASS LENS	RECESSED IN GRID	120 V	65 W	4000K	6718 lm	103 lm/W	0-10V LED DRIVER	LITHONIA	ENVX-1X4-HRG-7200LM-90CRI-40K-MIN10-ZT-M VOLT-GTD-DWAM		1,2		
В	2' X 4' HIGH PERFORMANCE TROFFER	HOURGLASS LENS	RECESSED IN GRID	120 V	40 W	4000K	4197 lm	105 lm/W	0-10V LED DRIVER	LITHONIA	ENVX-2X4-HRG-4800LM-90CRI-40K-MIN10-ZT-M VOLT-DWAM		2		
BE	2' X 4' HIGH PERFORMANCE TROFFER (EMERGENCY)	HOURGLASS LENS	RECESSED IN GRID	120 V	40 W	4000K	4197 lm	105 lm/W	0-10V LED DRIVER	LITHONIA	ENVX-2X4-HRG-4800LM-90CRI-40K-MIN10-ZT-M VOLT-GTD-DWAM		1,2		
E1	EDGE-LIT LED SINGLE FACED EXIT SIGN WITH RED LETTERS, AND CHEVRON ARROWS AS SHOWN ON PLANS.		RECESSED	120 V	5 W	RED				LITHONIA	EDGR-1-R				
G	1' X 4' HIGH PERFORMANCE TROFFER	HOURGLASS LENS	RECESSED IN GRID	120 V	33 W	4000K	3684 lm	112 lm/W	0-10V LED DRIVER	LITHONIA	ENVX-1X4-HRG-4000LM-90CRI-40K-MIN10-ZT-M VOLT-DWAM		2		
GE	1' X 4' HIGH PERFORMANCE TROFFER (EMERGENCY)	HOURGLASS LENS	RECESSED IN GRID	120 V	33 W	4000K	3684 lm	112 lm/W	0-10V LED DRIVER	LITHONIA	ENVX-1X4-HRG-4000LM-90CRI-40K-MIN10-ZT-M VOLT-GTD-DWAM		1,2		
Н	2' X 4' HIGH PERFORMANCE TROFFER	HOURGLASS LENS	RECESSED IN GRID	120 V	40 W	4000K	4882 lm	122 lm/W	0-10V LED DRIVER	LITHONIA	ENVX-2X4-HRG-4800LM-80.CRI-40K-MIN10-ZT-M VOLT-DWAM		2		
J	2' X 2' HIGH PERFORMANCE TROFFER	HOURGLASS LENS	RECESSED IN GRID	120 V	36 W	4000K	4228 lm	117 lm/W	0-10V LED DRIVER	LITHONIA	ENVX-2X2-HRG-4000LM-80CRI-40K-MIN10-ZT-M VOLT-DWAM		2		
JE	2' X 2' HIGH PERFORMANCE TROFFER (EMERGENCY)	HOURGLASS LENS	RECESSED IN GRID	120 V	36 W	4000K	4228 lm	117 lm/W	0-10V LED DRIVER	LITHONIA	ENVX-2X2-HRG-4000LM-80CRI-40K-MIN10-ZT-M VOLT-GTD-DWAM		2		
KE	2' X 4' PHARMACY HAZARDOUS AREA TROFFER	SYMETRIC DIFFUSED IMPACT-RESISTANT ACRYLIC LENS	RECESSED IN CEILING	120 V	72 W	4000K	9331 lm	130 lm/W	0-10V LED DRIVER	KENALL	CSEDO-24-67L-40K8-DIM1-DV-XF-XH-SYM-LEL-P 442		1,2		
U2	2' LONG UNDERCABINET WITH WHITE STEEL HOUSING	100% DR ACRYLIC LENS	UNDERCABINET	120 V	14 W	4000K	1209 lm	86 lm/W	LED DRIVER	KENALL	MAUCLED-I-MW-13C43K-24-DV				
U3	3' LONG UNDERCABINET WITH WHITE STEEL HOUSING	100% DR ACRYLIC LENS	UNDERCABINET	120 V	29 W	4000K	2390 lm	82 lm/W	LED DRIVER	KENALL	MAUCLED-I-MW-25C43K-36-DV				

- A. ALL LIGHT FIXTURE LUMEN VALUES LISTED ARE DELIVERED LUMEN.
- B. REFER TO DETAILS FOR INDEPENDENTLY SUPPORTING OF LIGHT FIXTURES LOCATED IN ACOUSTICAL TILE CEILINGS.
- C. ALL LED DRIVERS SHALL BE 0-10 VOLT DIMMING DRIVER UNLESS NOTED OTHERWISE.
- D. ALL ADDITIONAL HARDWARE FOR MOUNTING OF SURFACE, RECESSED, OR PENDANT FIXTURES SHALL BE INCLUDED UNDER THIS CONTRACT.
- E. REFER TO THE MANUFACTURES INSTALLATION INSTRUCTIONS FOR THE MOUNTING REQUIREMENTS OF EACH FIXTURE TYPE PRIOR TO THE INSTALLATION OF THE FIXTURES. GOOD WORKMANSHIP SHALL BE EVIDENT IN THE FINISHED INSTALLATION OR THE ELECTRICAL CONTRACTOR WILL BE REQUIRED TO CORRECT THE POOR WORKMANSHIP AT NO ADDITIONAL COST TO THE OWNER.
- F. EMERGENCY FIXTURES SHALL BE PROVIDED WITH AN INTEGRAL ILLUMINATED TEST SWITCH.
- G. REFER TO SPECIFICATION SECTION 26 5100 INTERIOR LIGHTING, FOR ADDITIONAL FIXTURE REQUIREMENTS.
- H. COORDINATE WITH ARCHITECTURAL CEILING GRID TYPE WITH FIXTURES SPECIFIC GRID TYPE MOUNTING.

SCHEDULE NOTES:

- 1. PROVIDE EMERGENCY GENERATOR TRANSFER DEVICE TO CONTROL EMERGENCY POWER.
- PAINT AFTER FABRICATION.

	ELECTRICAL EQUIPMENT SCHEDULE LOAD STAPTED CONTROL DEVICE DISCONNECT																
			LOAD								STARTER		CONTROL DEVICE		DISCONNEC	CT	
NO.	DESCRIPTION	LOCATION (RM#)	HP	FLA	MCA	VOLT	PHASE	PANEL	CIRCUIT NUMBER	CONDUIT & WIRE SIZE	COMPONENT	FURN. / INST.	COMPONENT	FURN. / INST.	COMPONENT	FURN. / INST.	NOTES
EBB1-1	ELECTRIC BASEBOARD HEATER	107		4.6 A	6 A	277 V	1	H5HP	41	(1/2")C-2#12, #12 GND					30/3 NFS NEMA1	DIV. 26 DIV. 26	1
EBB1-2	ELECTRIC BASEBOARD HEATER	102		4.6 A	6 A	277 V	1	H5HP	41	(1/2")C-2#12, #12 GND					30/3 NFS NEMA1	DIV. 26 DIV. 26	1
EBB1-3	ELECTRIC BASEBOARD HEATER	108		4.6 A	6 A	277 V	1	H5HP	43	(1/2")C-2#12, #12 GND					30/3 NFS NEMA1	DIV. 26 DIV. 26	1
EBB1-4	ELECTRIC BASEBOARD HEATER	101		4.6 A	6 A	277 V	1	H5HP	43	(1/2")C-2#12, #12 GND					30/3 NFS NEMA1	DIV. 26 DIV. 26	1
EDH-1	ELECTRIC DUCT HEATER	RX102		6 A	8 A	480 V	3	H7HP	19,21,23	(1/2")C-3#12, #12 GND					30/3 FS NEMA 1	DIV. 26 DIV. 26	1
EDH-2	ELECTRIC DUCT HEATER	101		6 A	8 A	480 V	3	H7HP	14,16,18	(1/2")C-3#12, #12 GND					30/3 FS NEMA 1	DIV. 26 DIV. 26	1
EDH-3	ELECTRIC DUCT HEATER	102		6 A	8 A	480 V	3	H7HP	26,28,30	(1/2")C-3#12, #12 GND					30/3 FS NEMA 1	DIV. 26 DIV. 26	1
EDH-4	ELECTRIC DUCT HEATER	101		6 A	8 A	480 V	3	H7HP	20,22,24	(1/2")C-3#12, #12 GND					30/3 FS NEMA 1	DIV. 26 DIV. 26	1
EF-14	EXHAUST FAN #14	ON ROOF	3/4	1.6 A	2 A	480 V	3	H7HP	13,15,17	(1/2")C-3#12, #12 GND	NEMA 0 HOA	DIV. 26 DIV. 26			30/3 FS NEMA 1	DIV. 26 DIV. 26	2
FFU-1	FAN FILTER UNIT #1	RX106		3.4 A	4 A	120 V	1	L4N2	29	(1/2")C-2#12, #12 GND				DIV. 23 DIV. 23	MMS	DIV. 26 DIV. 26	3
FFU-2	FAN FILTER UNIT #2	RX107		3.4 A	4 A	120 V	1	L4N2	31	(1/2")C-2#12, #12 GND				DIV. 23 DIV. 23	MMS	DIV. 26 DIV. 26	3
HP-14	HEAT PUMP	RX102		11.7 A	15 A	277 V	1	H7HP	25	(3/4")C-3#10, #10 GND					30/3 NFS NEMA1	DIV. 26 DIV. 26	1
HP-15	HEAT PUMP	101		7.5 A	9 A	277 V	1	H5HP	47	(3/4")C-3#10, #10 GND					30/3 NFS NEMA1	DIV. 26 DIV. 26	1
HP-16	HEAT PUMP	102		8.2 A	10 A	277 V	1	H5HP	45	(3/4")C-3#10, #10 GND					30/3 NFS NEMA1	DIV. 26 DIV. 26	1
HP-17	HEAT PUMP	101		11.7 A	15 A	277 V	1	H5HP	53	(3/4")C-3#10, #10 GND					30/3 NFS NEMA1	DIV. 26 DIV. 26	1
TF-1	TRANSFER FAN #1	RX102	3/4	6 A	8 A	277 V	1	H7HP	8	(1/2")C-2#12, #12 GND					30/3 FS NEMA 1	DIV. 26	1

STARTER TYPES:

FVNR FULL VOLTAGE NON-REVERSING FVR FULL VOLTAGE REVERSING 2-SPD TWO SPEED VFD VARIABLE FREQUENCY DRIVE

RVS REDUCED VOLTAGE

COMBINATION DISCONNECT TYPES: FS FUSED SWITCH NFS NON-FUSED SWITCH MCP MOTOR CIRCUIT PROTECTOR CB CIRCUIT BREAKER

CONTROL DEVICES: HOA HAND-OFF-AUTO SWITCH RP RED (RUN) PILOT LIGHT GP GREEN (POWER) PILOT LIGHT 0/0 ON-OFF SELECTOR SWITCH

S/S STOP-START PUSHBUTTONS

ABBREVIATIONS: EC ELECTRICAL CONTRACTOR

MECHANICAL CONTRACTOR GC GENERAL CONTRACTOR
TC TEMPERATURE CONTROL

OWN OWNER

1. CONNECT POWER TO UNIT VIA DISCONNECT SWITCH. BAS CONTROL WIRING BY BAS CONTRACTOR. CONNECT POWER TO UNIT VIA STARTER AND FUSED DISCONNECT SWITCH. BAS CONTROL WIRING BY BAS CONTRACTOR.

3. PROVIDE SINGLE POINT CONNECTION TO UNIT. DISCONNECT BY DIVISION 26.

duluth * virginia* twin cities www.dsgw.com

Woodrow WILSON KEEBLE MEMORIAL HEALTH CARE CENTER USP

100 Lake Traverse Drive SISSETON, SD 57262

COMPLIANCE

project #: 020053.00 date: 07/22/2022 drawn by: _LLA__

checked by: LDB

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

Jay S Huby

reg. #: ____8782 sign date: ____01/12/2024



1112 North 5th Street 1624 North Riverfront Drive Minneapolis, MN 55411 Mankato, MN 56001 (612) 343-5965 (507) 625-7869

revision / dateissue Addendum 1R 7/18/2023

SCHEDULES sheet ELECTRICAL title:

EDI-DOLEJS #20-072

		NE	WP	AN	IELE	30A	RD:	L4N	2								
LOCATION: PH MOUNTING: RE NN DEVICE: 10 BUS AMPS: 22	CESSED 0 A		\ 1		VOLTAGE: 208Y/120 V. 3 ø 4 W. A.I.C. RATING: 10,000 AMPS SYMMETRICAL SPECIAL:												
LOAD DESCRIPTION		BKR	POLES	LES CKT	,	Α		В		С		POLES	BKR	Notes	LO	AD DESCRIPTION	
3		20 A	1	1	360	0					2	1	20 A				SPAR
SUBSTANCES N14	4	20 A	1	3			180	0			4	1	20 A				SPAR
		20 A	1	5					180	0	6	1	20 A				SPAR
		20 A	1	7	360	0					8	1	20 A				SPAR
		20 A	1	9			180	0			10	1	20 A				SPAR
RX107		20 A	1	11					540	0	12	1	20 A				SPAR
		20 A	1	13	540	0	_				14	1	20 A				SPAR
01		20 A	1	15			180	0			16	1	20 A				SPAR
FF ENTRY RX101	1	20 A	1	17					1200	0	18	1	20 A				SPAR
9		20 A	1	19	720	0	_			·	20	1	20 A				SPAR
109		20 A	1	21			360	0	_		22	1	20 A				SPAR
IIP RM N10	1	20 A	1	23				1	180	0	24	1	20 A				SPAR
N10	1	20 A	1	25	1200	0				'	26	1	20 A				SPAR
N10	1	20 A	1	27			1200	0			28	1	20 A				SPAR
		20 A	1	29				_	408	0	30	1	20 A				SPAR
		20 A	1	31	408	0	_			·	32	1	20 A				SPAR
		20 A	1	33		'	0	0			34	1	20 A				SPAR
		20 A	1	35				•	0	0	36	1	20 A				SPAR
		20 A	1	37	0	0				_	38	1	20 A				SPAR
		20 A	1	39			0	0			40	1	20 A				SPAR
		20 A	1	41					0	0	42	1	20 A				SPAR
		T	OTAL L	OAD:	3588	8 VA	210	0 VA	250	8 VA							
		T	OTAL A	MPS:	30) A	18	3 A	2	1 A							
ATION		CONN	IECTED)		DEMAN	D	E	STIMATI	ED				PA	NEL TOTALS		
		378	30 VA			100.00%			3780 VA								
		81	6 VA			100.00%			816 VA				С	ONNEC	CTED LOAD:	8196 VA	
ENCE		360	00 VA			100.00%			3600 VA				ES	IMATE	D DEMAND:	8196 VA	
															CURRENT:		
													EST. D	EMAND	CURRENT:	23 A	
3:																	
TEGRALLY MOUN	TED TRANSI	ENT VOLT	AGE SUF	RGE SL	IPPRESSI	ON.		C. PRO	OVIDE M	AIN BRI	EAKE	R WITH 1	120-VOL	T SHU	NT TRIP		
HALL BE UL SERIE							/FUSES.										
C																	
REAKER.																	
0-VOLT SHUNT TR	RIP																
	RIP																

		NE	W PAN	IELBOA	RD:	L5N	IB								
LOCATION: Work R MOUNTING: RECES MAIN DEVICE: 200 A BUS AMPS: 200 AM	SED	NEMA MLO	A1	A.I.C. R	_		20 V. 3 ø 4 AMPS SY		RICAL						
LOAD DESCRIPTION	Notes	BKR	POLES CKT	Α	E	3	C	;	СКТ	POLES	BKR	Notes	104	D DESCRIPTION)N
RCPT WORK ROOM 103	NOICS	20 A	1 1	540 0					2	1	20 A	NOICS	LOP	D DESCRIPTION	SPARE
REFRIGERATOR RCPT WORK ROOM 103	1	20 A	1 3	3.0	1200	0			4	1	20 A				SPARE
UC REFRIGERATOR RCPT WORK ROOM 103	1	20 A	1 5				1200	0	6	1	20 A				SPARE
RCPT OFFICE 1 104		20 A	1 7	900 0	_				8	1	20 A				SPARE
RCPT OFFICE 2 105		20 A	1 9		900	0	_		10	1	20 A				SPARE
RCPT OFFICE 3 106		20 A	1 11				900	0	12	1	20 A				SPARE
RCPT OFFICE 4 107		20 A	1 13	900 0					14	1	20 A				SPARE
RCPT COORIDOOR 102		20 A	1 15		540	0			16	1	20 A				SPARE
RCPT OFFICE 5 108		20 A	1 17				900	0	18	1	20 A				SPARE
RCPT OFFICE 6 109		20 A	1 19	900 0					20	1	20 A				SPARE
RCPT OFFICE 7 110		20 A	1 21		900	0	_		22	1	20 A				SPARE
RCPT FLEX SPACE 101		20 A	1 23				360	0	24	1	20 A				SPARE
RCPT FLEX SPACE 101		20 A	1 25	360 0	_				26	1	20 A				SPARE
RCPT FLEX SPACE 101		20 A	1 27		360	0	_		28	1	20 A				SPARE
RCPT FLEX SPACE 101		20 A	1 29				360	0	30	1	20 A				SPARE
RCPT FLEX SPACE 101		20 A	1 31	360 0	-				32	1	20 A				SPARE
RCPT FLEX SPACE 101		20 A	1 33		540	0	_		34	1	20 A				SPARE
SPARE		20 A	1 35				0	0	36	1	20 A				SPARE
SPARE		20 A	1 37	0 0					38	1	20 A				SPARE
SPARE		20 A	1 39		0	0	_		40	1	20 A				SPARE
SPARE		20 A	1 41				0	0	42	1	20 A				SPARE
		T	OTAL LOAD:	3960 VA	4440) VA	3720) VA			1				
		TO	OTAL AMPS:	33 A	37	' A	31	Α	1						
LOAD CLASSIFICATION		CONN	IECTED	DEMANI	Ď	E	STIMATE	D				PA	NEL TOTALS		
RCPT		972	20 VA	100.00%			9720 VA								
RCPT NON CONVENIENCE		240	00 VA	100.00%			2400 VA				С	ONNE	CTED LOAD:	12120 VA	
											EST	ГІМАТЕ	ED DEMAND:	12120 VA	
											CONN	IECTE	D CURRENT:	34 A	
											EST. D	EMANI	D CURRENT:	34 A	
GENERAL NOTES:															
A. PROVIDE WITH INTEGRALLY MOUNTED T						C. PRO	OVIDE MA	AIN BRE	AKE	R WITH	120-VOL	T SHU	INT TRIP		
B. MAIN BREAKER SHALL BE UL SERIES RA	TED TO	BRANCH	I CIRCUIT PANE	LBOARD BREAKER	/FUSES.										
LABEL AS PER NEC															
NOTES:															
PROVIDE GFCI BREAKER.															
2. PROVIDE WITH 120-VOLT SHUNT TRIP															

LOCATION: PH MOUNTING: RE MAIN DEVICE: 10 BUS AMPS: 12	ECESSED 0 A	RX102 NEMA MAIN				A.I.C. R	_	480Y/27 14,000 A			RICAL				
LOAD DESCRIPTION	Notes	BKR	POLES	СКТ		A		В		:	СКТ	POLES	BKR	Notes	LOAD DESCRIPTION
HP12	3	20 A	1	1	0	0					2	3	15 A	3	EDH-6
HP6	3	30 A	1	3		<u>'</u>	0	0			4				-
PARE	3	20 A	1	5				•	0	0	6				-
IEPA DIFFUSERS RM N09, N09A	3	20 A	1	7	0	1662					8	1	20 A	4	TF- ⁻
SPARE	3	20 A	1	9			0	0			10	1	20 A		SPARE
PARE	3	20 A	1	11					0	0	12	1	20 A		SPARE
F-14	4	15 A	3	13	443	1663					14	3	15 A		EDH-2 - FLEX SPACE 10°
-				15			443	1663			16				-
-	-			17					443	1663	18				-
DH-1	4	15 A	3	19	1663	1663					20	3	15 A		EDH-3 FLEX SPACE 10 ⁻
				21			1663	1663			22				-
				23		_			1663	1663	24				-
IP-14- PHARMACY RX102		20 A	1	25	3241	1663					26	3	15 A		EDH-4 COORIDOOR 102
				27				1663			28				-
				29						1663	30				-
		TO	OTAL LO	DAD:		97 VA		94 VA		4 VA					
			OTAL A		4	3 A		26 A		S A					
OAD CLASSIFICATION			ECTED			DEMAN			STIMATE	D				PA	NEL TOTALS
/ITR		261	86 VA			100.00%			26186 VA						
															CTED LOAD: 26186 VA
															D DEMAND: 26186 VA
															O CURRENT: 31 A
													E31. D	EWANL	O CURRENT: 31 A
GENERAL NOTES:															
SENERAL NOTES: A. PROVIDE WITH INTEGRALLY MOUN	TED TOANOIS	NT VOLT	ACE CUE	OF CL	IDDDCCC	NON		C DDC	N/IDE M	AINI DDE	VICE	O WITH 4	120 1/01	теши	NT TRIP
I. PROVIDE WITH INTEGRALLT MOON I. MAIN BREAKER SHALL BE UL SERIE	_	_				-	ELICEC	C. FRC		AIN DIVE	ANE	X VVIII	120-701	1 300	NI INF
LABEL AS PER NEC	ES RATED TO	DRANCH	CIRCUIT	PAINE	LDUARD	DREARER	/FUSES.								
IOTES:															
. PROVIDE GFCI BREAKER.															
. PROVIDE GFCI BREAKER. I. PROVIDE WITH 120-VOLT SHUNT TF	DID														
. FROVIDE WITH 120-VOLT SHUNT IF	NIT.														
. EXISTING CIRCUIT.								1							

RCPT DISP. RX108	
MAIN DEVICE: 100 A BUS AMPS: 225 AMPS MAIN CB SPECIAL:	
COPT DISP. RX108	
LOAD DESCRIPTION Notes BKR POLES CKT A B C CKT POLES BKR Notes LOAD	
LOAD DESCRIPTION Notes BKR POLES CKT CKT POLES CKT POLES CKT CKT POLES CKT CKT POLES P	
CPT DISP. RX108	DESCRIPTION
COPT DISP, RX108	D DESCRIPTION RCPT DISPENSING NO
CREPT DISP. RX112	RCPT DISPENSING NO
RCPT HAZ STOR RX113	RCPT DISPENSING NO
CONTROLLED SUBSTANCES N14 20 A 1 31 32 36 36 36 36 36 36 36	RCPT ROOM N1
Company Comp	RCPT ROOM N1
REFRIGERATOR PHARMACY RX102	RCPT ROOM N1
CONNECTED CONN	RCPT ROOM N1
RCPT ROOM N10	RN RCPT PHARMACY RX10
CONTROLLED SUBSTANCES N14 20 A 1 31 35 360 0 36 1 20 A 1 320 37 360 37 3	ANTOLLI LIANWACI RATU
CONNECTED CONN	RN RCPT PHARMACY RX10
CONNECTED CONN	IN TOT THANKING TOOL
CONTROLLED SUBSTANCES N14	RN RCPT PHARMACY RX10
RCPT CONTROLLED SUBSTANCES N14	WITO TITIARWAOTION
RCPT CONTROLLED SUBSTANCES N14	RN RCPT PHARMACY RX10
RCPT PHARMACY RX102	
RCPT PHARMACY RX102	SPAR
RCPT PHARMACY RX102 20 A 1 35 360 0 36 1 20 A 20	SPAR
CONNECTED LOAD: 1 1750 VA 1750	SPAR
PRINTERS RCPT PHARMACY RX102 20 A 1 41 TOTAL LOAD: 6240 VA 5340 VA 5520 VA TOTAL AMPS: 52 A 45 A 46 A LOAD CLASSIFICATION CONNECTED DEMAND RCPT 13500 VA 87.04% RCPT NON CONVENIENCE 3600 VA 100.00% 3600 VA CONNECTED LOAD: 1 ESTIMATED ESTIMATED DEMAND: 1 CONNECTED LOAD: 1 CONNECTED LOAD: 1 CONNECTED CURRENT: 4	SPAR
PRINTERS RCPT PHARMACY RX102 20 A	SPAR
TOTAL LOAD: 6240 VA	SPAR
LOAD CLASSIFICATIONCONNECTEDDEMANDESTIMATEDPANEL TOTALSRCPT13500 VA87.04%11750 VARCPT NON CONVENIENCE3600 VA100.00%3600 VACONNECTED LOAD: 1ESTIMATED DEMAND: 1CONNECTED CURRENT: 4	
RCPT	
RCPT NON CONVENIENCE 3600 VA 100.00% 3600 VA CONNECTED LOAD: 1 ESTIMATED DEMAND: 1 CONNECTED CURRENT: 4	
ESTIMATED DEMAND: 1 CONNECTED CURRENT: 4	
CONNECTED CURRENT: 4	
EST. DEIVIAND CORRENT.	-3 A
GENERAL NOTES:	
A. PROVIDE WITH INTEGRALLY MOUNTED TRANSIENT VOLTAGE SURGE SUPPRESSION. C. PROVIDE MAIN BREAKER WITH 120-VOLT SHUNT TRIP	
B. MAIN BREAKER SHALL BE UL SERIES RATED TO BRANCH CIRCUIT PANELBOARD BREAKER/FUSES.	
LABEL AS PER NEC	
NOTES:	
. PROVIDE GFCI BREAKER.	
PROVIDE WITH 120-VOLT SHUNT TRIP	



duluth ° virginia° twin cities www.dsgw.com

WOODROW
WILSON
KEEBLE
MEMORIAL
HEALTH CARE
CENTER USP
COMPLIANCE

100 Lake Traverse Drive Sisseton, SD 57262

project #:	020053.00
date:	07/22/2022
drawn by:	_LLA
checked by:	LDB

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

ignature: _	Jay S Auby	
printed name: _	JAY S. HRUBY P.E.	

reg. #: _____8782 sign date: _____01/12/2024

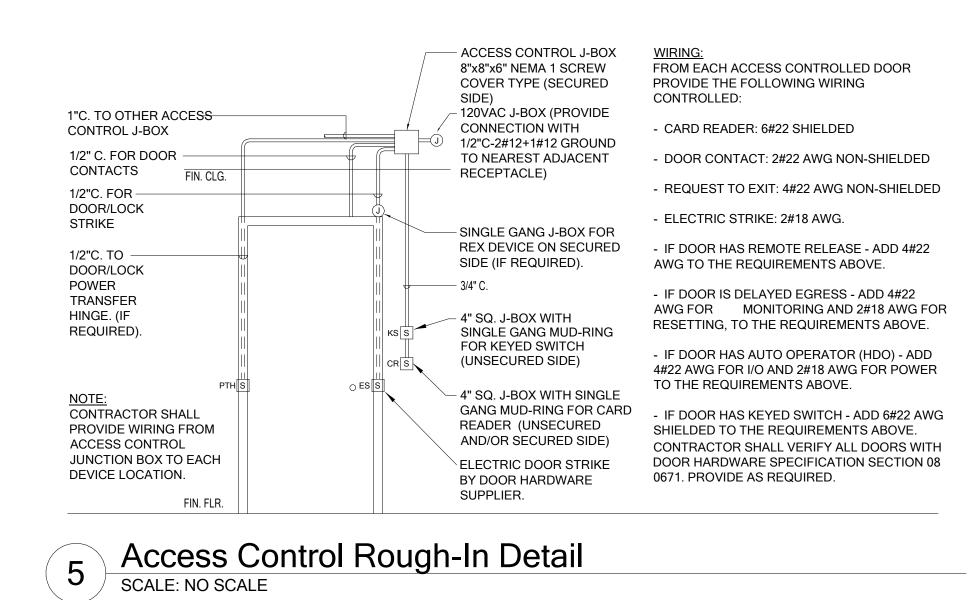


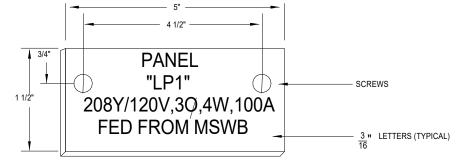
revision / issue	no.	date
Addendum 1R	1	7/18/2023

SCHEDULES sheet ELECTRICAL
title:

title: ___ sheet number:

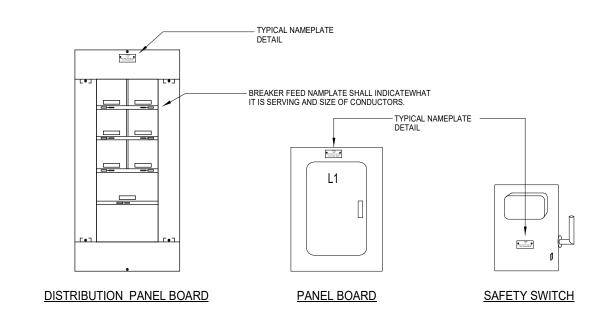
E4.2



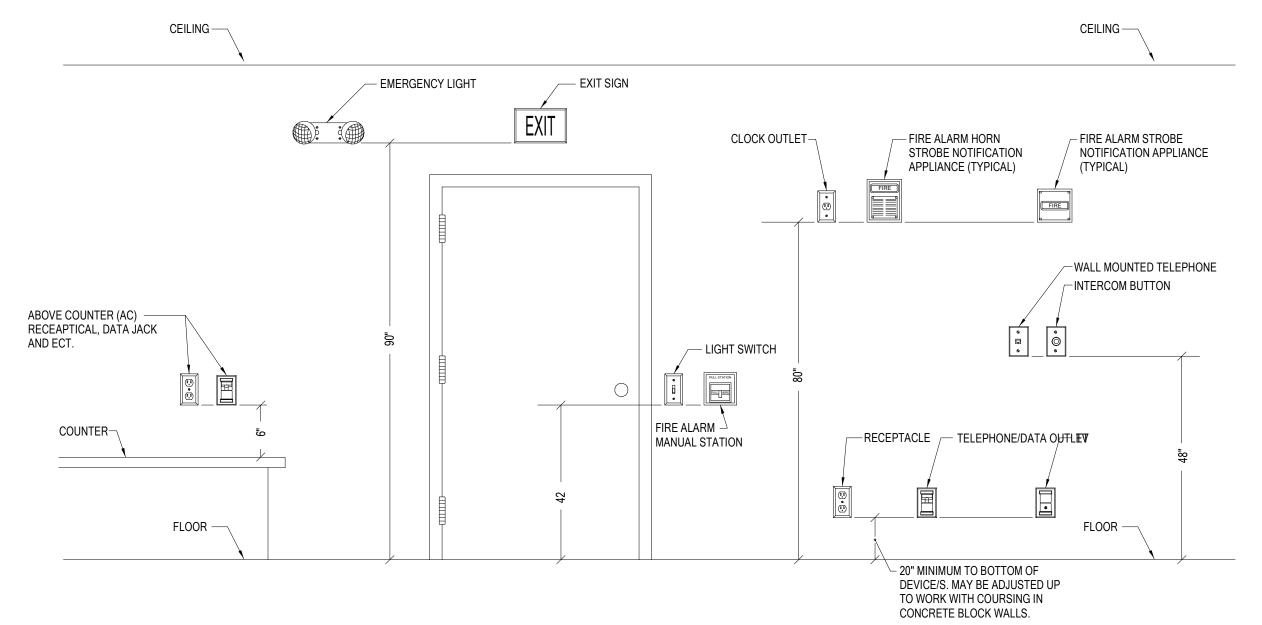


NOTES: 1. REFER TO SPECIFICATIONS FOR ADDITIONAL NAMEPLATE REQUIREMENTS

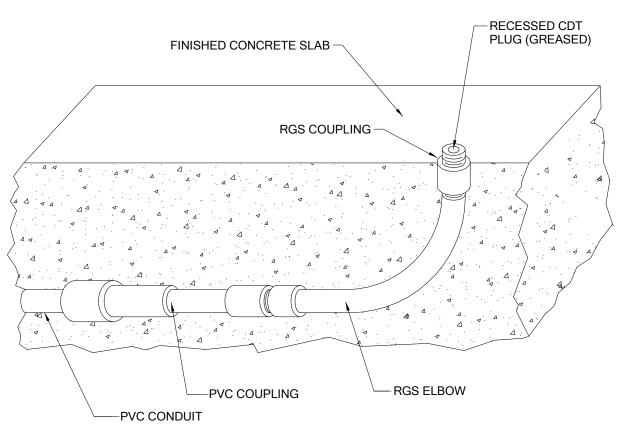
- 2. NAMEPLATE TO BE 1/16" THICK WHITE PLASTIC WITH PLACARD CENTER LAMINATE. FACE SHALL BE WHITE, ENGRAVED LETTERS SHALL BE BLACK.
- 3. SECURE NAMEPLATE TO SURFACES WITH (2) FLAT HEAD BRASS SCREWS.
- 4. NAMEPLATE INFORMATION SHALL INCLUDE DEVICE NAME, SUPPLY VOLTAGE, AMPERAGE AND LOCATION FED FROM.



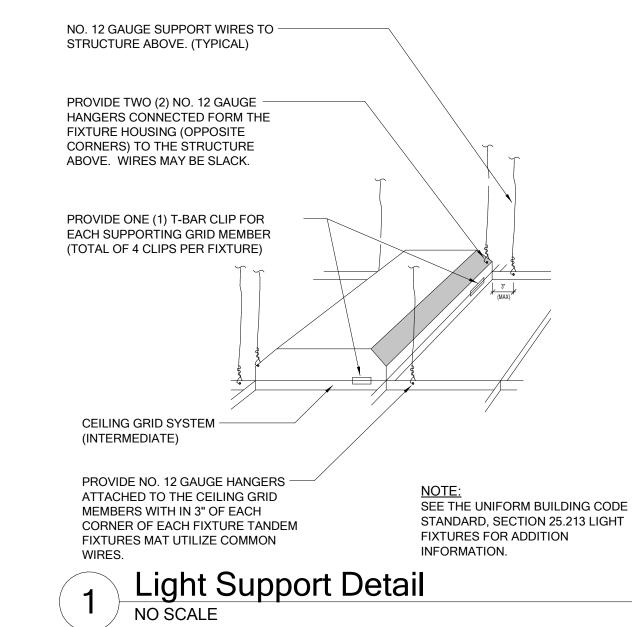
3 Typical Nameplate Detail
NO SCALE



Typical Mounting Height Detail
NO SCALE



2 Under Slab Conduit Turn Up Detail
NO SCALE



communities duluth * virginia* twin cities www.dsgw.com Woodrow WILSON KEEBLE MEMORIAL HEALTH CARE CENTER USP COMPLIANCE 100 Lake Traverse Drive Sisseton, SD 57262 project #: <u>020053.00</u> date: 07/22/2022 drawn by: _LLA_ checked by: LDB I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of South Dakota. Jay S Audy reg. #: _____8782 1112 North 5th Street 1624 North Riverfront Drive Minneapolis, MN 55411 Mankato, MN 56001 (507) 625-7869 (612) 343-5965 revision / dateissue **DETAILS** sheet ELECTRICAL title: