

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

C:\Revit\Local Files\2020\06\27\1020-RENOVATE AND CONSOLIDATE INPATIENT FUNCTIONS BUILDING 1154\MEPP0-CENTRAL_MKT.rvt
6/10/2022 8:19:32 AM

Revision#	Description	Date:

CONSULTANTS

STRUCTURAL:

Albertson Engineering, Inc.
3302 W. Main St. #C
Rapid City, South Dakota 57702
Phone: 605-343-9606

MECHANICAL / ELECTRICAL / PLUMBING:

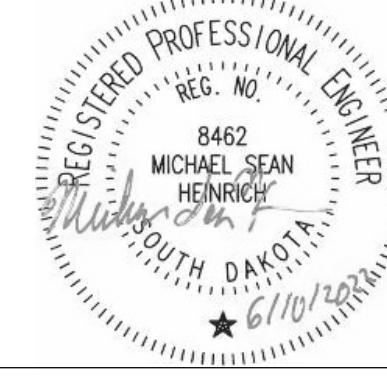
West Plains Engineering, Inc.
1750 Rand Road
Rapid City, South Dakota 57702
Phone: 605-348-7455

ARCHITECT OF RECORD

A/E:
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STAMP



Office of
Construction
and Facilities
Management



U.S. Department
of Veterans Affairs

Drawing Title
SECOND FLOOR AREA B WASTE AND VENT
PLAN

Approved:

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
RENOVATE AND CONSOLIDATE
INPATIENT FUNCTIONS

Location
FORT MEADE, SOUTH DAKOTA

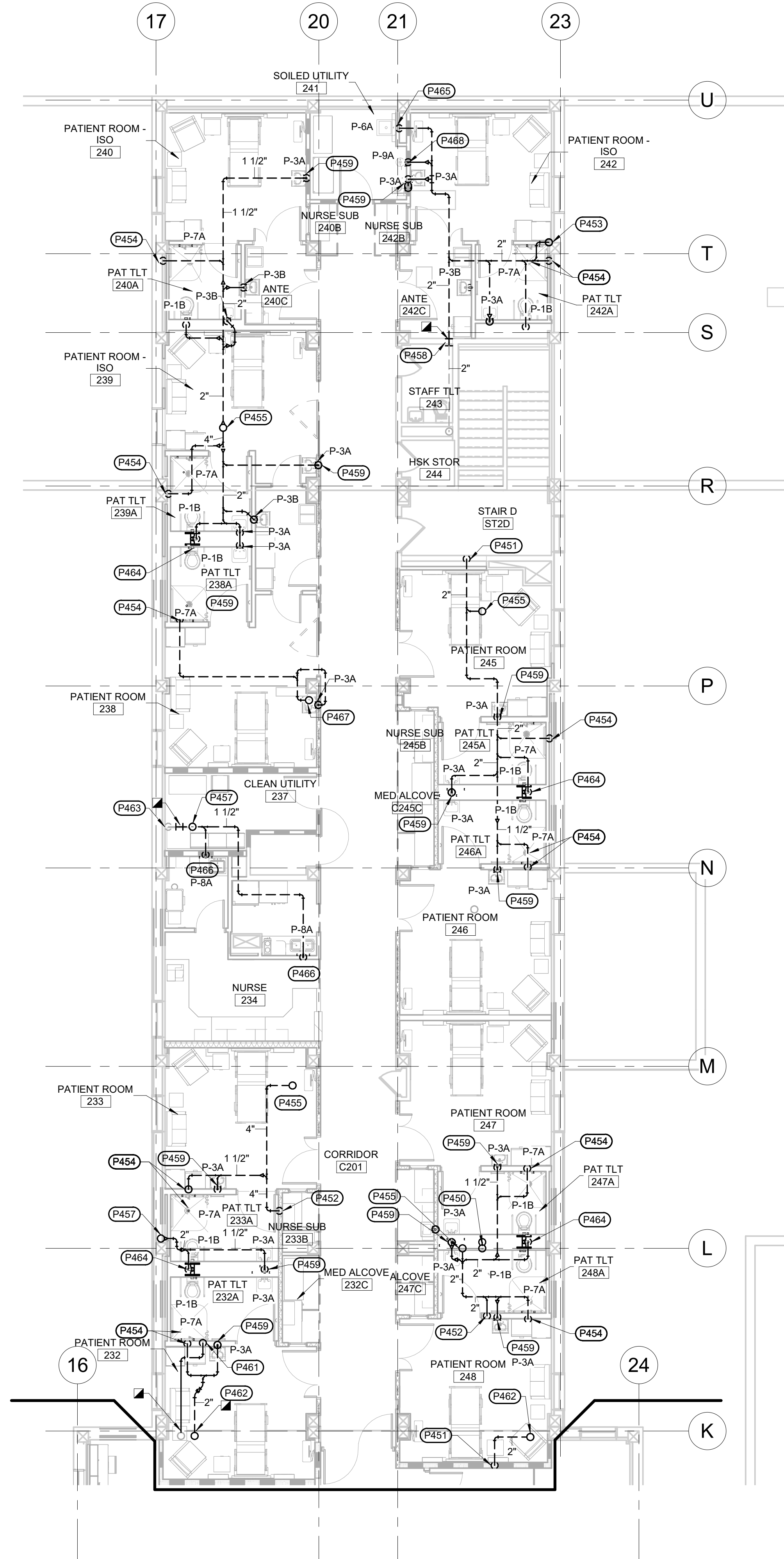
Issue Date
06/10/2022

Checked
MSH

Drawn
MMM

Project Number
VA #568-14-110
WPE #BR21020
Building Number
113

Drawing Number
PP104



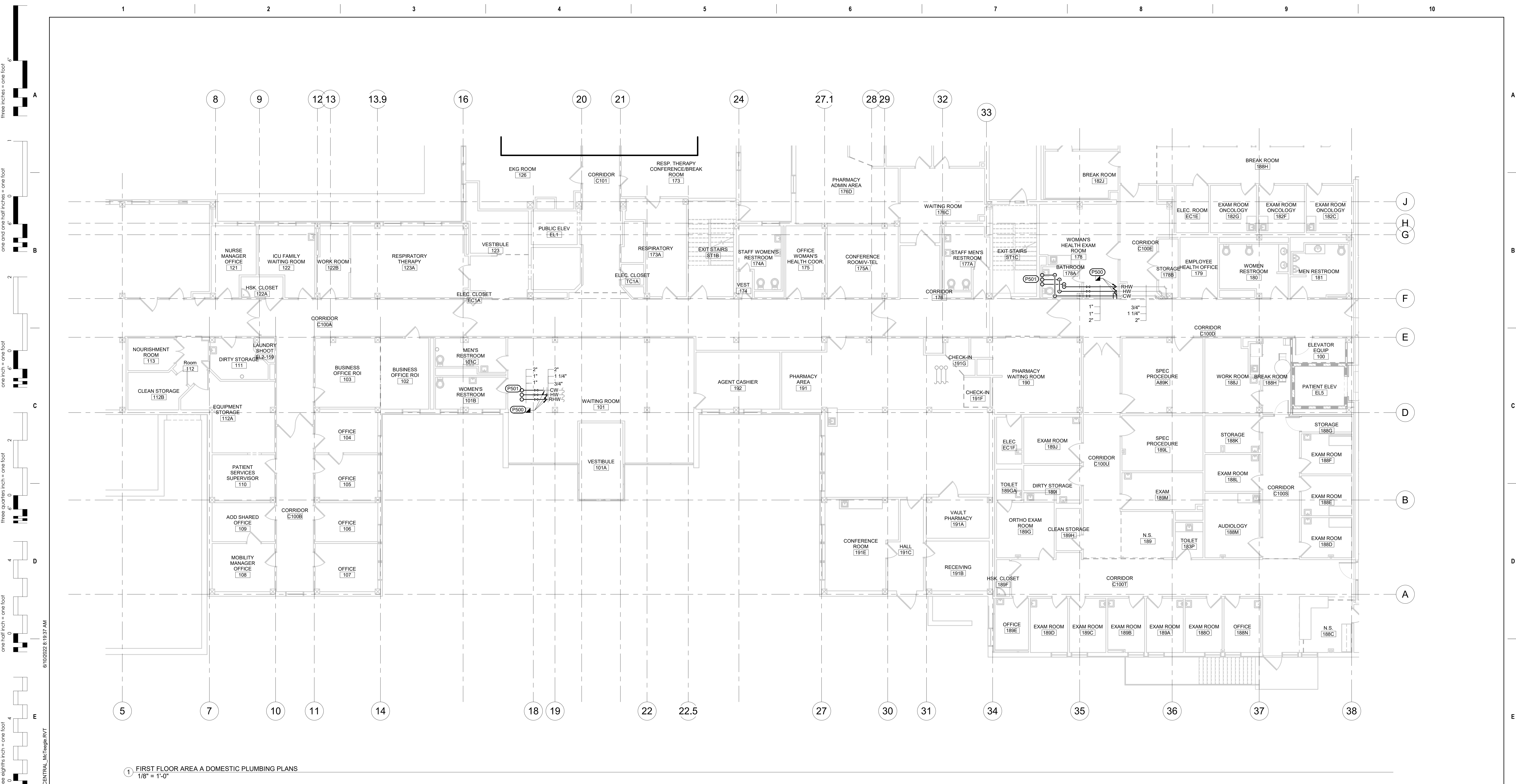
1 SECOND FLOOR AREA B WASTE AND VENT PLAN
1/8" = 1'-0"

GENERAL MECHANICAL NOTES

- CONTRACTOR SHALL COORDINATE PIPE ROUTING WITH OTHER TRADES. PROVIDE ALL ADDITIONAL OFFSETS AS REQUIRED TO COMPLETE INSTALLATION.
- CONTRACTOR TO CONFIRM SIZE AND LOCATION OF EXISTING PIPING.
- PIPING SHOWN FOR CLARITY. ROUTE ALL PIPING ABOVE CEILINGS, IN CHASES, AND IN WALLS AS REQUIRED.
- COORDINATE LOCATION OF ALL CLEANOUTS FOR ACCESSIBILITY.
- COORDINATE PHASING WITH CONTRACTING OFFICER AND REFER TO PHASING PLAN. FOR PIPING SERVING BUILDING AREAS THAT WILL REMAIN IN OPERATION, THE NEW PIPING IS TO BE INSTALLED AND CONNECTED PRIOR TO EXISTING PIPING BEING REMOVED. TEMPORARY PIPING SHALL BE INSTALLED AS REQUIRED.

MECHANICAL SPECIFIC NOTES

- 4" ST DOWN FROM NEW 4" ROOF DRAIN TO FIRST FLOOR. REFER TO SHEET PP102, FIRST FLOOR AREA B & C WASTE AND VENT PIPING PLAN, FOR CONTINUATION.
- NEW 2" VENT UP FROM FIRST FLOOR. REFER TO SHEET PP102, FIRST FLOOR AREA B & C WASTE AND VENT PIPING PLAN, FOR CONTINUATION.
- NEW 4" VENT UP FROM FIRST FLOOR. REFER TO SHEET PP102, FIRST FLOOR AREA B & C WASTE AND VENT PIPING PLAN, FOR CONTINUATION.
- RELOCATE EXISTING 3" VENT FROM FIRST FLOOR AS REQUIRED FOR INSTALLATION IN NEW WALLS ON SECOND FLOOR. REFER TO SHEET PP102, FIRST FLOOR AREA B & C WASTE AND VENT PIPING PLAN, FOR CONTINUATION.
- 2" SANITARY DOWN AND 1-1/2" VENT UP FROM SHOWERS. REFER TO PP102, FIRST FLOOR AREA B & C WASTE AND VENT PIPING PLAN, FOR CONTINUATION.
- 4" VENT UP, 6" VTR THROUGH EXISTING ROOF PENETRATION.
- 3" VENT UP, 4" VTR THROUGH EXISTING ROOF PENETRATION.
- CONNECT EXISTING 2" VENT TO NEW WITHIN THIS LOCATION.
- 2" SANITARY DOWN FROM LAVATORY. REFER TO PP102, FIRST FLOOR AREA B & C WASTE AND VENT PIPING PLAN, FOR CONTINUATION.
- 2" SANITARY DOWN TO FIRST FLOOR. REFER TO PP102, FIRST FLOOR AREA B & C WASTE AND VENT PIPING PLAN, FOR CONTINUATION.
- CONNECT NEW 2" VENT TO EXISTING WITHIN THIS LOCATION.
- CONNECT NEW 1-1/2" VENT TO EXISTING FROM FIRST FLOOR.
- 4" SANITARY DOWN FROM WATER CLOSETS. REFER TO PP102, FIRST FLOOR AREA B & C WASTE AND VENT PIPING PLAN, FOR CONTINUATION.
- 4" SANITARY DOWN FROM CLINICAL SERVICE SINK. REFER TO PP102, FIRST FLOOR AREA B & C WASTE AND VENT PIPING PLAN, FOR CONTINUATION.
- 2" SANITARY DOWN FROM SINK. REFER TO PP102, FIRST FLOOR AREA B & C WASTE AND VENT PIPING PLAN, FOR CONTINUATION.
- 2" VENT UP, 3" VTR THROUGH EXISTING ROOF PENETRATION.
- 2" SANITARY DOWN FROM EYEWASH. REFER TO PP102, FIRST FLOOR AREA B & C WASTE AND VENT PIPING PLAN, FOR CONTINUATION.



1 FIRST FLOOR AREA A DOMESTIC PLUMBING PLANS
1/8" = 1'-0"

GENERAL MECHANICAL NOTES

- A. CONTRACTOR SHALL COORDINATE PIPE ROUTING WITH OTHER TRADES. PROVIDE ALL ADDITIONAL OFFSETS AS REQUIRED TO COMPLETE INSTALLATION.
- B. ISOLATE ALL COPPER PIPES FROM BEARING ON FERROUS HANGERS, ETC. WITH ELECTRICALLY INSULATING MATERIALS AS SPECIFIED. USE DIELECTRIC UNIONS IN CONNECTION OF ALL COPPER PIPING TO FERROUS PIPING AS SPECIFIED.
- C. DOMESTIC WATER RECIRCULATION BALANCING VALVES SHALL BE AN AUTOFLOW STYLE VALVE, 0.33 GPM.
- D. COORDINATE PHASING WITH CONTRACTING OFFICER AND REFER TO PHASING PLAN. FOR PIPING SERVING BUILDING AREAS THAT WILL REMAIN IN OPERATION, THE NEW PIPING IS TO BE INSTALLED AND CONNECTED PRIOR TO EXISTING PIPING BEING REMOVED. TEMPORARY PIPING SHALL BE INSTALLED AS REQUIRED.

MECHANICAL SPECIFIC NOTES

- P500 CONNECT NEW 2" CW, 1" HW, AND 1" RHW TO EXISTING WITHIN THIS LOCATION.
- P501 2" CW, 1" HW, AND 1" RHW UP TO SECOND FLOOR. REFER TO PP107, SECOND FLOOR AREA A DOMESTIC PIPING PLAN, FOR CONTINUATION.

CONSULTANTS

STRUCTURAL:
Albertson Engineering, Inc.
3302 W. Main St. #C
Rapid City, South Dakota 57702
Phone: 605-343-9606

MECHANICAL / ELECTRICAL / PLUMBING:
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ARCHITECT OF RECORD

A/E:
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TODD STONE, AIA



STAMP



Office of
Construction
and Facilities
Management

VA U.S. Department
of Veterans Affairs

Drawing Title
FIRST FLOOR AREA A DOMESTIC PIPING
PLAN

Approved:

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
RENOVATE AND CONSOLIDATE
INPATIENT FUNCTIONS

Location
FORT MEADE, SOUTH DAKOTA

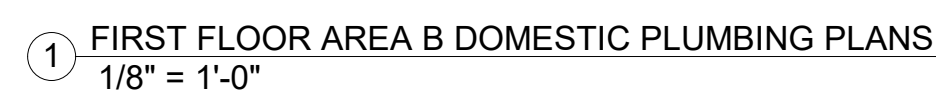
Issue Date
06/10/2022

Checked
MSH

Drawn
MMM

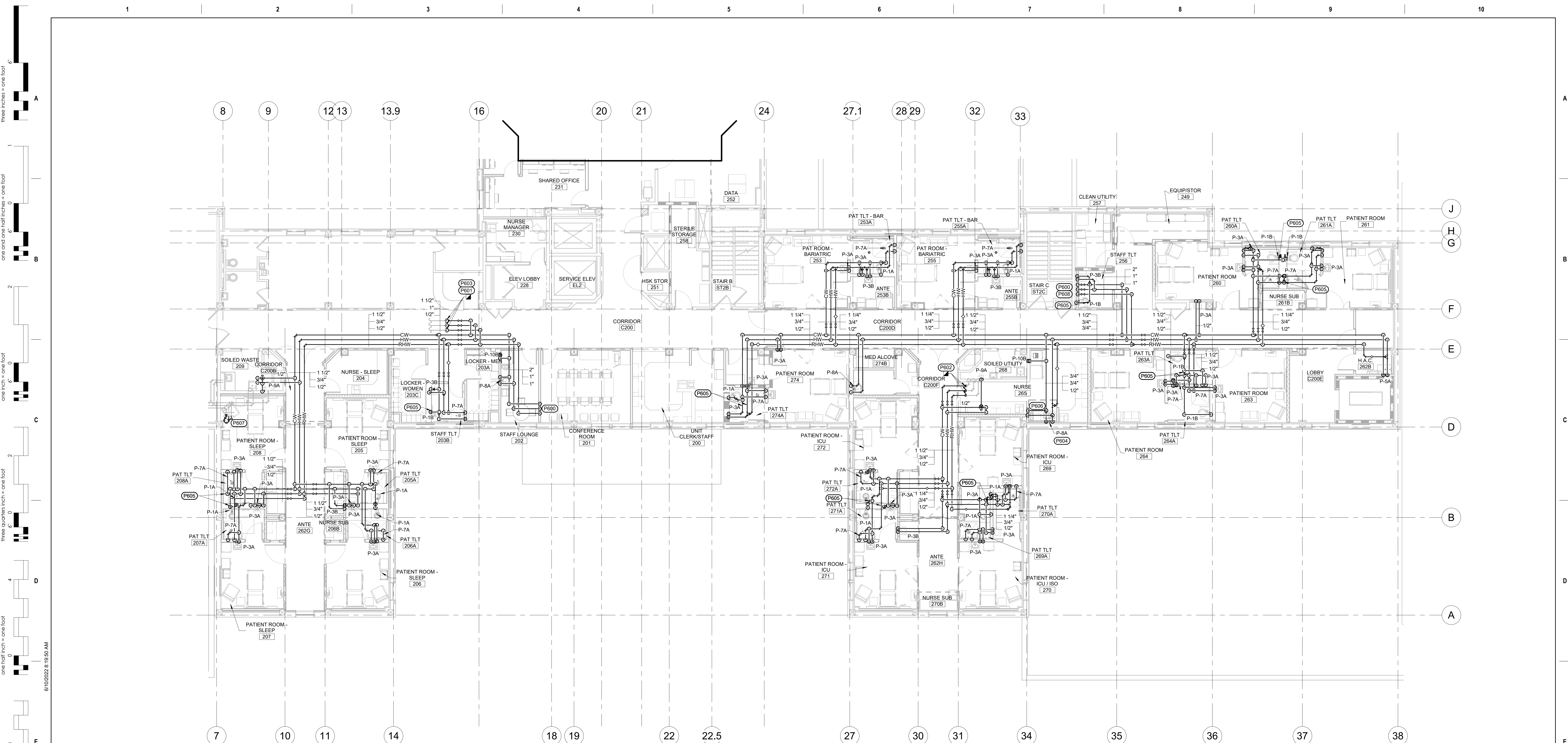
Project Number
VA #568-14-110
WPE #BR21020
Building Number
113

Drawing Number
PP105



	MECHANICAL SPECIFIC NOTES
P550	1-1/2" CW, 1" HW, AND 1/2" RHW UP TO SECOND FLOOR. REFER TO PP108, SECOND FLOOR AREA B & C DOMESTIC PIPING PLAN, FOR CONTINUATION.
P551	CONNECT NEW 1-1/2" CW, 1" HW, AND 1/2" RHW TO EXISTING WITHIN THIS LOCATION.
P552	EXTEND NEW 1/2" CW FOR NEW WATER CHILLER AND CONNECT TO CW SERVING DEMOLISHED WATER CHILLER.
P553	PROVIDE 1/2" CW PIPE WITH VALVE BOX IN WALL TO SERVE OWNER PROVIDED COFFEE MAKER. PROVIDE CONNECTION FROM VALVE BOX TO COFFEE MAKER.

Project Number VA #568-14-110 WPE #BR21020
Building Number 113
Drawing Number PP106



1 2ND FLOOR DOMESTIC PLUMBING PLAN - AREA A
1/8" = 1'-0"

- GENERAL MECHANICAL NOTES**

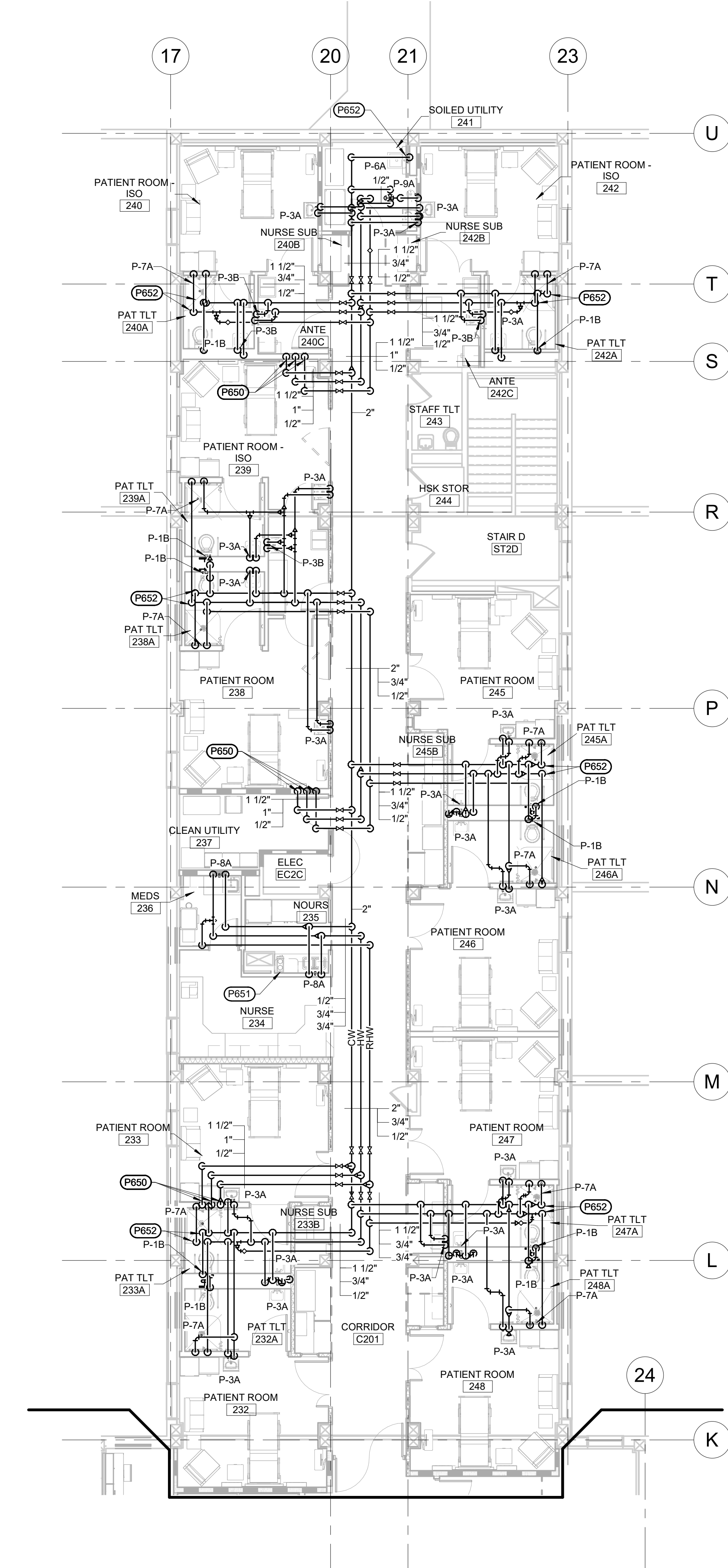
 - A. CONTRACTOR SHALL COORDINATE PIPE ROUTING WITH OTHER TRADES. PROVIDE ALL ADDITIONAL OFFSETS AS REQUIRED TO COMPLETE INSTALLATION.
 - B. ISOLATE ALL COPPER PIPES FROM BEARING ON FERRUGINOUS HANGERS, ETC. WITH ELECTRICALLY INSULATING MATERIALS AS SPECIFIED. USE DIELECTRIC UNIONS IN CONNECTION OF ALL COPPER PIPING TO FERRUGINOUS PIPING AS SPECIFIED.
 - C. DOMESTIC WATER RECIRCULATION BALANCING VALVES SHALL BE AN AUTOFLOW STYLE VALVE, 0.33 GPM.
 - D. COORDINATE PHASING WITH CONTRACTING OFFICER AND REFER TO PHASING PLAN. FOR PIPING SERVING BUILDING AREAS THAT WILL REMAIN IN OPERATION, THE NEW PIPING IS TO BE INSTALLED AND CONNECTED PRIOR TO EXISTING PIPING BEING REMOVED. TEMPORARY PIPING SHALL BE INSTALLED AS REQUIRED.
- MECHANICAL SPECIFIC NOTES**

 - P600 2" CW, 1" HW, AND 1" RHW DOWN TO FIRST FLOOR. REFER TO P6105, FIRST FLOOR AREA A DOMESTIC PIPING PLAN, FOR CONTINUATION.
 - P601 CONNECT NEW 1-1/2" CW, 1" HW, AND 1/2" RHW TO EXISTING WITHIN THIS LOCATION.
 - P602 CONNECT NEW 1-1/2" CW, 3/4" HW, AND 1/2" RHW TO EXISTING WITHIN THIS LOCATION.
 - P603 EXISTING DOMESTIC WATER TO REMAIN IN SERVICE THROUGHOUT PROJECT. ROUTE PIPING AND PROVIDE TEMPORARY CONNECTIONS AS NECESSARY FOR DOMESTIC SERVICE TO STAY ACTIVE THROUGHOUT PROJECT.
 - P604 PROVIDE 1/2" CW PIPE FROM SINK TO OWNER PROVIDED COFFEE MAKER.
 - P605 PROVIDE AND INSTALL JOSAM MODEL NUMBER 75002B STAINLESS STEEL BELLOWS STYLE WATER HAMMER ARRESTOR ON INDICATED DOMESTIC WATER PIPE.
 - P606 INSTALL 1/2" CW AND 1/2" HW TO SINK BELOW COUNTER. DO NOT INSTALL PIPING WITHIN EXTERIOR WALL.
 - P607 CAP EXISTING CW PIPING WITHIN THIS LOCATION WITHIN 1 FT OF MAIN. PROVIDE NEW 0.33 GPM RECIRCULATION VALVE BETWEEN HW AND RHW PIPING.
 - P608 PROVIDE NEW B&G PL-36 DOMESTIC WATER RECIRCULATION PUMP, 1/6 HP, 120V/1PH, 20 GPM, 20 FT H2O, BRONZE OR STAINLESS STEEL IMPELLOR, FOR REPLACEMENT OF EXISTING DOMESTIC WATER RECIRCULATION PUMP, LOCATED IN BASEMENT OF FACILITY. COORDINATE INSTALLATION WITH COR.

<div>Revision# Description Date:</div>		<div>CONSULTANTS</div> <div>STRUCTURAL: Albertson Engineering, Inc. 3302 W. Main St. #C Rapid City, South Dakota 57702 Phone: 605-343-9606</div> <div>MECHANICAL / ELECTRICAL / PLUMBING: West Plains Engineering, Inc. 1750 Rand Road Rapid City, South Dakota 57702 Phone: 605-348-7455</div>	<div>ARCHITECT OF RECORD</div> <div>A/E: STONE GROUP ARCHITECTS, INC. 319 N. MAIN AVE. SIOUX FALLS, SD 57104 605.271.1144 TODD STONE, AIA</div> <div>STAMP MICHAEL SEAN HENNING REGISTERED PROFESSIONAL ENGINEER SOUTH DAKOTA 8462 REG. NO. 11010</div> <div>Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs</div>	<div>Drawing Title SECOND FLOOR AREA A DOMESTIC PIPING PLAN Approved:</div> <div>Phase CONSTRUCTION DOCUMENTS FULLY SPRINKLERED</div> <div>Project Title RENOVATE AND CONSOLIDATE INPATIENT FUNCTIONS Location FORT MEADE, SOUTH DAKOTA Issue Date 06/10/2022 Checked MSH Drawn MMM</div> <div>Project Number VA #568-14-110 WPE #BR21020 Building Number 113 Drawing Number PP107</div>
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Three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
one quarter inch = one foot
one eighth inch = one foot

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1 2ND FLOOR DOMESTIC PLUMBING PLAN - AREA B
1/8" = 1'-0"

- GENERAL MECHANICAL NOTES**
- A. CONTRACTOR SHALL COORDINATE PIPE ROUTING WITH OTHER TRADES. PROVIDE ALL ADDITIONAL OFFSETS AS REQUIRED TO COMPLETE INSTALLATION.
 - B. ISOLATE ALL COPPER PIPES FROM BEARING ON FERROUS HANGERS, ETC. WITH ELECTRICALLY INSULATING MATERIALS AS SPECIFIED. USE DIELECTRIC UNIONS IN CONNECTION OF ALL COPPER PIPING TO FERROUS PIPING AS SPECIFIED.
 - C. DOMESTIC WATER RECIRCULATION BALANCING VALVES SHALL BE AN AUTOFLOW STYLE VALVE, 0.33 GPM.
 - D. COORDINATE PHASING WITH CONTRACTING OFFICER AND REFER TO PHASING PLAN. FOR PIPING SERVING BUILDING AREAS THAT WILL REMAIN IN OPERATION, THE NEW PIPING IS TO BE INSTALLED AND CONNECTED PRIOR TO EXISTING PIPING BEING REMOVED. TEMPORARY PIPING SHALL BE INSTALLED AS REQUIRED.
- MECHANICAL SPECIFIC NOTES**
- P650 1-1/2" CW, 1" HW AND 1/2" RHW DOWN TO FIRST FLOOR. REFER TO PP106, FIRST FLOOR AREA B & C DOMESTIC PIPING PLAN, FOR CONTINUATION.
 - P651 PROVIDE 1/2" CW PIPE FROM SINK TO OWNER PROVIDED COFFEE MAKER.
 - P652 PROVIDE AND INSTALL JOSAM MODEL NUMBER 75002B STAINLESS STEEL BELLOWS STYLE WATER HAMMER ARRESTOR ON INDICATED DOMESTIC WATER PIPE.

Revision#	Description	Date:

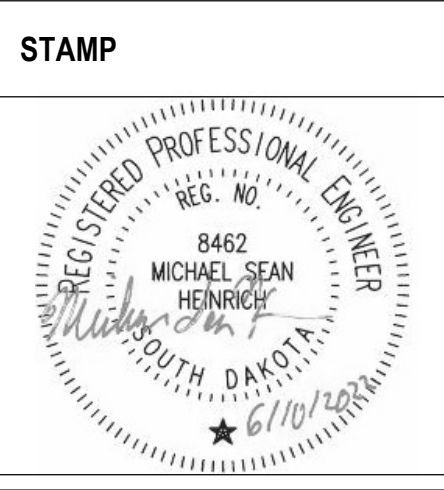
CONSULTANTS

STRUCTURAL: Albertson Engineering Inc. 3302 W. Main St. #C Rapid City, South Dakota 57702 Phone: 605-343-9606	MECHANICAL / ELECTRICAL / PLUMBING: WPE WEST PLAINS ENGINEERING, INC. 1750 Rand Road Rapid City, South Dakota 57702 Phone: 605-348-7455
--	---

ARCHITECT OF RECORD

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SIOUX FALLS, SD 57104
605.271.1144
TODD STONE, AIA

STONE GROUP ARCHITECTS



Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
SECOND FLOOR AREA B & C DOMESTIC PIPING PLAN

Approved:

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
RENOVATE AND CONSOLIDATE INFANT FUNCTIONS

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
06/10/2022

Checked
MSH

Drawn
MMM

Project Number
VA #568-14-110
WPE #BR21020

Building Number
113

Drawing Number
PP108

Scale bar: 1" = 1'-0" (1/8" = 1'-0")

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