

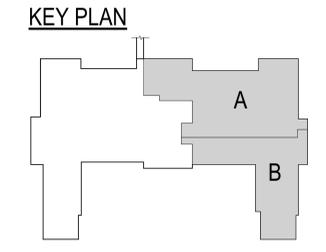
1 FIRST FLOOR FIRE PROTECTION DEMOLITION PLAN
1/16" = 1'-0"

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

- GENERAL NOTES:**
- FIRE PROTECTION CONTRACTOR TO PROVIDE FIRE PROTECTION COVERAGE TO COMPLY WITH THE NFPA 13 FOR A FULLY SPRINKLERED BUILDING.
 - UNLESS NOTED OTHERWISE, ALL SPRINKLER HEADS ARE TO BE QUICK RESPONSE.
 - FIRE PROTECTION CONTRACTOR TO PROVIDE HIGH TEMPERATURE HEADS AS REQUIRED BASED ON SPRINKLER HEAD LAYOUT AND ADJACENCIES TO EQUIPMENT PROVIDED BY OTHERS.
 - ALL AREAS WITH A SUSPENDED CEILING (GY OR LAY-IN) ARE TO BE SEMI-RECESSED HEADS WITH CHROME FINISH AND CHROME ESCUTCHEON UNLESS SPECIFICALLY NOTED OTHERWISE.
 - FIRE PROTECTION CONTRACTOR SHALL COORDINATE PIPING ROUTING AND SPRINKLER HEAD LAYOUT.
 - THE FIRE PROTECTION CONTRACTOR WILL BE RESPONSIBLE FOR ANY GENERAL CONSTRUCTION WORK AS DIRECTLY IMPACTED BY THE SPRINKLER SYSTEM INSTALLATION. EXAMPLES OF WORK DIRECTLY TIED INTO THE FIRE PROTECTION CONTRACTORS WORK WOULD INCLUDE, BUT NOT LIMITED TO, FIRE SEALING OF ALL RATED WALL PENETRATIONS, CEILING ACCESS PANELS, ETC.
 - COORDINATE ALL NEW SPRINKLER PIPE ROUTING WITH OTHER TRADES TO INSURE ADEQUATE CLEARANCES FOR DUCTWORK, ELECTRICAL CONDUIT, STRUCTURAL SUPPORTS, PIPING, ETC. ANY UNAVOIDABLE CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER OF RECORD. PROVIDE ALL OFFSETS AND TRANSITIONS AS REQUIRED FOR A CLEAN INSTALLATION. ADDITIONAL COMPENSATION WILL NOT BE REWARDED DUE TO LACK OF COORDINATION WITH OTHER SUBCONTRACTORS.
 - SUPPORT ALL PIPING DIRECTLY TO STRUCTURE. DO NOT SUPPORT ANY PIPING FROM DUCTWORK, CONDUIT, OR OTHER PIPING ENCOUNTERED.
 - ALL PIPING ROUTED THROUGH FIRE RATED WALLS/FLOORS SHALL BE ADEQUATELY FIRE SEALED AS REQUIRED TO MAINTAIN THE LISTED WALL/FLOOR RATINGS.
 - ALL NEW SPRINKLER HEADS SHALL BE INSTALLED AT THE CENTER OF ALL LAY-IN CEILING TILES. COORDINATE WITH CEILING SUBCONTRACTOR AS REQUIRED. SPRINKLER HEADS IN GYPSUM CEILINGS SHALL BE ARRANGED IN AN ARCHITECTURALLY SYMMETRIC MANNER.
 - COORDINATE CLOSELY WITH ARCHITECTURAL CEILING PLANS TO PROVIDE FULL COVERAGE THROUGHOUT. VERIFY SOFFITS, COLUMNS, AND OTHER POTENTIAL OBSTRUCTIONS WHEN LAYING OUT SPRINKLER HEAD COVERAGE PLANS.
 - COORDINATE WITH PROJECT SPECIFICATIONS MANUAL AND DRAWING DETAILS FOR ADDITIONAL AUXILIARY DRAINS, MANUAL VENTS, INSPECTORS TEST STATIONS, AND OTHER REQUIRED PIPING COMPONENTS THAT MAY NOT BE INDICATED DIRECTLY ON THIS FLOORPLAN DRAWING.
 - THE FIRE PROTECTION CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE AND PERFORM ALL TESTING OF PIPING SYSTEMS IN ACCORDANCE WITH NFPA GUIDELINES UPON COMPLETION OF WORK. SUBMIT FINAL TESTING REPORT TO THE LOCAL AUTHORITY HAVING JURISDICTION, ENGINEER, INSURANCE UNDERWRITER AND OWNER UPON COMPLETION.
 - THE FIRE PROTECTION CONTRACTOR WILL BE RESPONSIBLE TO PRODUCE HYDRAULICALLY CALCULATED SHOP DRAWINGS BASED ON THE PERFORMANCE SPECIFICATION LISTED ON THESE DRAWINGS AND SPECIFICATIONS. SUBMIT FINAL SHOP DRAWINGS TO THE LOCAL AUTHORITY HAVING JURISDICTION FOR FINAL APPROVAL PRIOR TO START OF ANY WORK OR PIPING FABRICATION. A FINAL RECORD DRAWING SET SHALL BE SUBMITTED PER SPECIFICATION REQUIREMENTS UPON COMPLETION OF PROJECT.
 - VA ST CLOUD DOES NOT ALLOW VICTUALIC FITTINGS ON SPRINKLER PIPING. REFER TO SITE SPECIFIC REQUIREMENTS AND WELD ALL PIPE FITTINGS PROVIDED. COORDINATE HOT WORK PERMITS IN ALL AREAS.

- KEY NOTES:**
- PROPOSED AREA OF WORK OUTLINED BY DASH-DOT LINE. ADD NEW PIPING, FITTINGS AND SPRINKLER HEADS AS NECESSARY TO PROVIDE COVERAGE IN REMODELED AREA PER NFPA 13. THE OWNER'S INSURANCE AND THE AUTHORITY HAVING JURISDICTION (AHJ), REVIEW AND COORDINATE LAYOUT WITH ARCHITECTURAL REFLECTED CEILING PLANS, LIGHTING, HVAC AND OTHER CEILING MOUNTED DEVICES. HEADS THAT ARE REMOVED ARE TO BE CAPPED AT THEIR BRANCH CONNECTION. MODIFY SPRINKLER HEADS IN ADJACENT AREAS AS REQUIRED TO PROVIDE PROPER COVERAGE DUE TO REVISED PARTITIONS AND CEILING HEIGHTS. NO PIPING OR SPRINKLER HEADS WILL BE SALVAGED IN THIS AREA. REPLACE ALL IN ITS ENTIRETY.
 - DEMOLISH ALL SPRINKLER MAIN PIPING AND ASSOCIATED BRANCHES WITH SPRINKLER HEADS IN REMODELED AREA. NO PIPING SHALL BE LEFT IN PLACE THROUGH THE ENTIRE PROJECT AREA. REFER TO PROJECT PHASING NOTES ON THIS DRAWING.
 - PROVIDE ALL NEW PIPING MAINS AND ASSOCIATED BRANCHES WITH SPRINKLER HEADS. INSTALL ALL PIPING UP CLOSE TO STRUCTURE DUE TO TIGHT CEILING CONDITIONS, AND LARGE SCALE OF PLASTER CEILING REMOVAL. THE CONTRACTOR WILL NOT BE ALLOWED TO SALVAGE AND REUSE ANY SPRINKLER PIPING IN THIS ENTIRE PROJECT AREA. EXTENDED FIRE WATCH WILL NOT BE ACCEPTABLE TO VA. REFER TO PROJECT PHASING NOTES ON THIS DRAWING.

- KEY NOTES: PHASING & INSTALL**
- FIRE PROTECTION CONTRACTOR SHALL COMPLY WITH THE FOLLOWING INSTALLATION AND PHASING REQUIREMENTS TO COORDINATE WITH OTHER TRADES AND MINIMIZE SPRINKLER OUTAGES AND RELATED FIRE WATCH REQUIREMENTS.
- ANY PIPING DEMOLITION SHALL NOT OCCUR UNTIL AFTER NEW SPRINKLER PIPING MAINS ARE INSTALLED. REFER TO NOTES BELOW ABOUT INSTALLATION OF NEW PIPING MAINS AND BRANCHES. NOTE THAT EXISTING PIPING MAY NEED TEMPORARY SUPPORT HANGERS WHILE DEMOLITION OF PLASTER CEILINGS OCCUR.
 - COMPLETELY REINSTALL NEW PIPING MAINS UP TO EXISTING ZONE VALVE. INSTALL MAINS UP TIGHT TO STRUCTURE AFTER ALL PLASTER CEILINGS HAVE BEEN DEMOLISHED. COORDINATE INSTALLATION OF MAINS AND BRANCH PIPING WITH ALL OTHER SUBCONTRACTS SINCE SPRINKLER PIPING WILL BE FIRST ON INSTALLATION SEQUENCE. NOTE THAT BECAUSE PIPING MAINS ARE BEING INSTALLED HIGH THAT SIDE TAKE-OFFS WILL NEED TO BE UTILIZED. HOWEVER, BOTTOM TAKE-OFFS OF BRANCH PIPING WILL NOT BE ACCEPTABLE WITHOUT WRITTEN APPROVAL/EXCEPTION.
 - INSTALL TEMPORARY UPRIGHT SPRINKLER HEADS, WITH PROTECTIVE CAGES, ON ALL NEW SPRINKLER MAINS. ATTEMPT TO COORDINATE USE OF THESE BRANCH PIPING TAKE-OFFS TO ALSO BE UTILIZED FOR FINAL BRANCH PIPING CONNECTIONS.
 - ONCE ALL NEW SPRINKLER MAIN PIPING, AND TEMPORARY UPRIGHT HEADS, ARE INSTALLED, CONNECT NEW PIPING MAIN INTO EXISTING ZONE VALVE AND DISCONNECT EXISTING MAIN THAT WILL NOW BE ALLOWED TO BE DEMOLISHED IN ITS ENTIRETY THROUGHOUT THE PROJECT AREA. REFER TO DEMOLITION KEY NOTE FOR REMOVAL OF ALL PIPING AND SPRINKLER HEADS.
 - FIRE PROTECTION CONTRACTOR TO INCLUDE ALLOWANCE TO ADJUST LOCATIONS OF UPRIGHT HEADS THROUGHOUT CONSTRUCTION SCHEDULE. PHASING TO ACCOMMODATE FOR OBSTRUCTIONS CAUSED BY NEW DUCTWORK OR PARTITIONS/WALLS.
 - PRIOR TO FINAL CEILING INSTALLATION, FIRE PROTECTION CONTRACTOR SHALL REMOVE ALL EXISTING UPRIGHT SPRINKLER HEADS AND RECONFIGURE BRANCH PIPING TO NEW SEMI-RECESSED QUICK RESPONSE HEADS. REFER TO GENERAL NOTES, AND PROJECT SPECIFICATIONS, FOR INSTALLATION REQUIREMENTS.
 - DURING SHORT PERIODS WHERE SPRINKLER PIPING IS OUT OF SERVICE TO PROJECT AREA THE CONTRACTOR WILL BE RESPONSIBLE FOR ASSOCIATED FIRE WATCH ACTIVITIES. LIMIT OUTAGES TO PERIODS OF TIME WHILE CONTRACTOR IS ON SITE IF POSSIBLE.



Revision#	Description	Date:

CONSULTANT

DUNHAM

50 South Sixth Street / Suite 1100
 Minneapolis, Minnesota 55402-1540
 Phone: 612.465.7550 Fax: 612.465.7551
 Web: dunhameng.com
 mechanical + electrical consulting engineering
 0420590-007-00

ARCHITECT/ENGINEER OF RECORD

ANDERSON

13605 1st Ave. N., #100 Plymouth, MN 55441
 P 763.412.4000 | F 763.412.4090 | ae-mn.com
 Anderson Engineering of Minnesota, LLC | Proj # Project Number

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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 Minnesota.

Name: Jason R. Gottwalt, P.E.
 Date: 05/22/2020 Reg. No. 41360

Project Title RENOVATE BUILDING 28 FIRST FLOOR EAST RTPT		Project Number 656-19-306	
Location SAINT CLOUD, MN		Building Number 28	
Phase CONSTRUCTION DOCUMENTS		Drawing Number FP111	
Drawing Title FIRST FLOOR FIRE PROTECTION PLAN			
Issue Date MAY 22, 2020	Checked JRG	Drawn TNH	

U.S. Department of Veterans Affairs

Veterans Health Administration
 St. Cloud VA Health Care System

VA

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- A. FIRE PROTECTION CONTRACTOR TO PROVIDE FIRE PROTECTION COVERAGE TO COMPLY WITH THE NFPA 13 FOR A FULLY SPRINKLERED BUILDING.
- B. UNLESS NOTED OTHERWISE, ALL SPRINKLER HEADS ARE TO BE HEADS AS REQUIRED BASED ON SPRINKLER HEAD LAYOUT AND ADJACENCIES TO EQUIPMENT PROVIDED BY OTHERS.
- C. FIRE PROTECTION CONTRACTOR TO PROVIDE HIGH TEMPERATURE ESCUTCHEON UNLESS SPECIFICALLY NOTED OTHERWISE.
- D. ALL AREAS WITH A SUSPENDED CEILING (GYR OR LAY-IN) ARE TO BE SEMI-RECESSED HEADS WITH CHROME FINISH AND CHROME ESCUTCHEON UNLESS SPECIFICALLY NOTED OTHERWISE.
- E. FIRE PROTECTION CONTRACTOR SHALL COORDINATE PIPING ROUTING AND SPRINKLER HEAD LAYOUT.
- F. THE FIRE PROTECTION CONTRACTOR WILL BE RESPONSIBLE FOR ANY GENERAL CONSTRUCTION WORK AS DIRECTLY IMPACTED BY THE SPRINKLER SYSTEM INSTALLATION. EXAMPLES OF WORK DIRECTLY TIED INTO THE FIRE PROTECTION CONTRACTORS WORK WOULD INCLUDE, BUT NOT LIMITED TO, FIRE SEALING OF ALL RATED WALL PENETRATIONS, CEILING ACCESS PANELS, ETC.
- G. COORDINATE ALL NEW SPRINKLER PIPE ROUTING WITH OTHER TRADES TO INSURE ADEQUATE CLEARANCES FOR DUCTWORK, ELECTRICAL CONDUIT, STRUCTURAL SUPPORTS, PIPING, ETC. ANY UNAVOIDABLE CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER OF RECORD. PROVIDE ALL OFFSETS AND TRANSITIONS AS REQUIRED FOR A CLEAN INSTALLATION. ADDITIONAL COMPENSATION WILL NOT BE REWARDED DUE TO LACK OF COORDINATION WITH OTHER SUBCONTRACTORS.
- H. SUPPORT ALL PIPING DIRECTLY TO STRUCTURE. DO NOT SUPPORT ANY PIPING FROM DUCTWORK, CONDUIT, OR OTHER PIPING ENCOUNTERED.
- I. ALL PIPING ROUTED THROUGH FIRE RATED WALLS/FLOORS SHALL BE ADEQUATELY FIRE SEALED AS REQUIRED TO MAINTAIN THE LISTED WALL/FLOOR RATING.
- J. ALL NEW SPRINKLER HEADS SHALL BE INSTALLED AT THE CENTER OF ALL LAY-IN CEILING TILES. COORDINATE WITH CEILING SUBCONTRACTOR AS REQUIRED. SPRINKLER HEADS IN GYPSUM CEILINGS SHALL BE ARRANGED IN AN ARCHITECTURALLY SYMMETRIC MANNER.
- K. COORDINATE CLOSELY WITH ARCHITECTURAL CEILING PLANS TO PROVIDE FULL COVERAGE THROUGHOUT. VERIFY SOFFITS, COLUMNS, AND OTHER POTENTIAL OBSTRUCTIONS WHEN LAYING OUT SPRINKLER HEAD COVERAGE PLANS.
- L. COORDINATE WITH PROJECT SPECIFICATIONS MANUAL AND DRAWING DETAILS FOR ADDITIONAL AUXILIARY DRAINS, MANUAL VENTS, INSPECTORS TEST STATIONS, AND OTHER REQUIRED PIPING COMPONENTS THAT MAY NOT BE INDICATED DIRECTLY ON THIS FLOORPLAN DRAWING.
- M. THE FIRE PROTECTION CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE AND PERFORM ALL TESTING OF PIPING SYSTEMS IN ACCORDANCE WITH NFPA GUIDELINES UPON COMPLETION OF WORK. SUBMIT FINAL TESTING REPORT TO THE LOCAL AUTHORITY HAVING JURISDICTION, ENGINEER, INSURANCE UNDERWRITER AND OWNER UPON COMPLETION.
- N. THE FIRE PROTECTION CONTRACTOR WILL BE RESPONSIBLE TO PRODUCE HYDRAULICALLY CALCULATED SHOP DRAWINGS BASED ON THE PERFORMANCE SPECIFICATION LISTED ON THESE DRAWINGS AND SPECIFICATIONS. SUBMIT FINAL SHOP DRAWINGS TO THE LOCAL AUTHORITY HAVING JURISDICTION FOR FINAL APPROVAL PRIOR TO START OF ANY WORK OR PIPING FABRICATION. A FINAL RECORD DRAWING SET SHALL BE SUBMITTED PER SPECIFICATION REQUIREMENTS UPON COMPLETION OF PROJECT.
- O. VA ST CLOUD DOES NOT ALLOW VICTUALIC FITTINGS ON SPRINKLER PIPING. REFER TO SITE SPECIFIC REQUIREMENTS AND WELD ALL PIPE FITTINGS PROVIDED. COORDINATE HOT WORK PERMITS IN ALL AREAS.

KEY NOTES:

- 1 PROPOSED AREA OF WORK OUTLINED BY DASH-DOT LINE. MODIFY EXISTING PIPING, FITTINGS AND SPRINKLER HEADS AS NECESSARY TO PROVIDE COVERAGE IN REMODELED AREA PER NFPA 13. THE OWNER'S INSURANCE AND THE AUTHORITY HAVING JURISDICTION (AHJ). ALTER SPRINKLER HEAD LOCATIONS TO PROVIDE COVERAGE AROUND NEW OBSTRUCTIONS CREATED BY MECHANICAL SYSTEM MODIFICATION. REPLACE ALL SPRINKLER HEADS WITHIN ENTIRE ATTIC AREA TO MATCH RESPONSE AND TEMPERATURE RATING. EXISTING PIPING MAY BE SALVAGED IF NOT INTERFERING WITH OTHER TRADES.
- 2 COORDINATE WITH PHASING PLANS TO PROVIDE CONTINUAL SPRINKLER COVERAGE DURING EACH PHASE OF CONSTRUCTION. ANY OUTAGES SHALL OCCUR DURING NORMAL BUSINESS HOURS WHILE GENERAL CONTRACTOR IS ON SITE AND PERFORMING FIRE WATCH DUTIES AND KEEPING APPROPRIATE RECORD KEEPING LOGS. NOTIFY VA OF ANY ANTICIPATED OUTAGES A MINIMUM OF 2-WEEKS IN ADVANCE TO ALLOW TIME FOR INTERIM LIFE SAFETY MEASURES IF REQUIRED.
- 3 GABLE ENDS OF ROOF WILL BE OPENED DURING EACH PROJECT PHASE TO ALLOW NEW EQUIPMENT AND MATERIAL TO BE LIFTED BY CRANE INTO ATTIC SPACE. IF THIS WORK OCCURS DURING PERIODS OF BELOW FREEZING WEATHER THAN FIRE PROTECTION CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO PROTECT, OR TEMPORARILY DRAIN, ACTIVE SPRINKLER PIPING WITHIN IMMEDIATE AREA OF RISK.
- 4 NOTE THAT ATTIC IS MOSTLY WOOD STRUCTURE. VA ST CLOUD DOES NOT ALLOW USE OF VICTUALIC FITTINGS SO THAT WELDING OF FITTINGS WILL BE REQUIRED. CONTRACTOR TO TAKE ADEQUATE PRECAUTIONS TO PREVENT FIRE RISK OF EXISTING COMBUSTIBLE STRUCTURE IN THIS AREA. ANY EXISTING VICTUALIC FITTING FOUND SHALL BE REMOVED AND REPLACED BY CONTRACTOR.

1 ATTIC FLOOR FIRE PROTECTION PLAN - PHASE 1
1/16" = 1'-0"

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

3 ATTIC FLOOR FIRE PROTECTION PLAN - PHASE 3
1/16" = 1'-0"

4 ATTIC FLOOR FIRE PROTECTION PLAN - PHASE 4
1/16" = 1'-0"

DO NOT PERFORM PHASE 3 OR 4 WORK UNDER ACCEPTANCE OF DEDUCT ALTERNATE #2.

DO NOT PERFORM PHASE 3 OR 4 WORK UNDER ACCEPTANCE OF DEDUCT ALTERNATE #2.

CONSULTANT



DUNHAM
50 South Sixth Street / Suite 1100
Minneapolis, Minnesota 55402-1540
Phone: 612.465.7550 Fax: 612.465.7551
www.dunhaminc.com
mechanical + electrical consulting engineering
652959-007-00



ARCHITECT/ENGINEER OF RECORD



13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # Project Number

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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 Minnesota.

Name Jason R. Gottwalt, P.E.
Date 05/22/2020 Reg. No. 41360

Project Title RENOVATE BUILDING 28 FIRST FLOOR EAST RTTP		
Location SAINT CLOUD, MN		
Phase CONSTRUCTION DOCUMENTS		
Drawing Title ATTIC FLOOR FIRE PROTECTION PLANS		
Issue Date MAY 22, 2020	Checked JRG	Drawn TNH

Project Number 656-19-306
Building Number 28
Drawing Number FP131



U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

VA FORM 08 - 6231

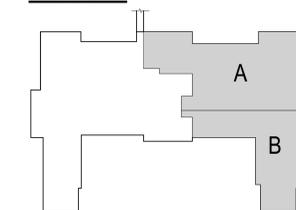
GENERAL NOTES:

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

KEY NOTES:

- 1 DEMOLISH PLUMBING FIXTURE ON FLOOR ABOVE AND REMOVE ALL DOMESTIC WATER PIPING BACK TO MAINS PER DIRECTIVE 1061 REQUIREMENTS. NOTIFY ENGINEER IF ANY ADDITIONAL DEAD LEG PIPING BEYOND 6 PIPE DIAMETERS IS ENCOUNTERED ABOVE CEILING.
- 2 DEMOLISH DOMESTIC WATER PIPING SERVING FLOOR ABOVE AND BACK TO POINT OF DISCONNECT. NO DEAD LEGS ABOVE 6 PIPE DIAMETERS ARE PERMITTED.
- 3 DEMOLISH WASTE PIPING SERVING PLUMBING FIXTURES ON FLOOR ABOVE AND BACK TO POINT OF DISCONNECT. CAP AT POINT OF DISCONNECT. REFER TO NEW PLUMBING PLANS FOR RECONNECTION IF APPLICABLE.
- 4 DEMOLISH WASTE PIPING SERVING PLUMBING FIXTURES ABOVE AND CAP AT MAIN. DO NOT ABANDON ANY WASTE PIPING ABOVE CEILING. COORDINATE INFECTION CONTROL BARRIERS/METHODS FOR WORK IN THIS AREA WITH ICRA REPORT.
- 5 VERIFY EXISTING PLUMBING VENTS SERVING THE BASEMENT PLUMBING FIXTURES ARE CONNECTED TO A VENT THROUGH ROOF AND REMAIN OPERATIONAL. REROUTE NEW VENT PIPING AS REQUIRED FOR RECONNECTION OF FIXTURES TO REMAIN. EXISTING PIPING NOT SHOWN ON PLANS SHOULD BE RELIED BY CONTRACTOR ON AS-BUILT DOCUMENTS FOR ENGINEER TO UPDATE ON FINAL RECORD DRAWINGS (TYP).
- 6 NOTE THAT PIPE SUPPORT HANGERS IN MOST AREAS OF BASEMENT PENETRATE THROUGH A PLASTER CEILING ABOVE LAY-IN TILES. CONTRACTOR TO REMOVE AS MUCH OF THESE SUPPORT HANGERS AS POSSIBLE. SOME AREAS OF PLASTER CEILING MAY REQUIRE REMOVAL TO ACCOMMODATE NEW PIPING INSTALLATION AND SHOULD BE COORDINATED WITH ALL OTHERS TRADES WHILE IN DEMOLITION PHASE OF PROJECT.

KEY PLAN



1 BASEMENT PLUMBING DEMOLITION PLAN
1/8" = 1'-0"

Revision#	Description	Date:

CONSULTANT

DUNHAM

DUNHAM
50 South Sixth Street / Suite 1100
Minneapolis, Minnesota 55402-1540
Phone: 612.465.7550 FAX: 612.465.7551
www.dunhaminc.com
mechanical + electrical consulting engineering
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ARCHITECT/ENGINEER OF RECORD

ANDERSON

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Name: Jason R. Gottwalt, P.E.
Date: 05/22/2020 Reg. No. 41360

Project Title
RENOVATE BUILDING 28
FIRST FLOOR EAST RTTP

Location
SAINT CLOUD, MN

Phase
CONSTRUCTION DOCUMENTS

Drawing Title
BASEMENT PLUMBING DEMOLITION PLAN

Issue Date
MAY 22, 2020

Checked
JRG

Drawn
TNH

Project Number
656-19-306

Building Number
28

Drawing Number
PD101

VA

U.S. Department of Veterans Affairs

Veterans Health Administration
St. Cloud VA Health Care System

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

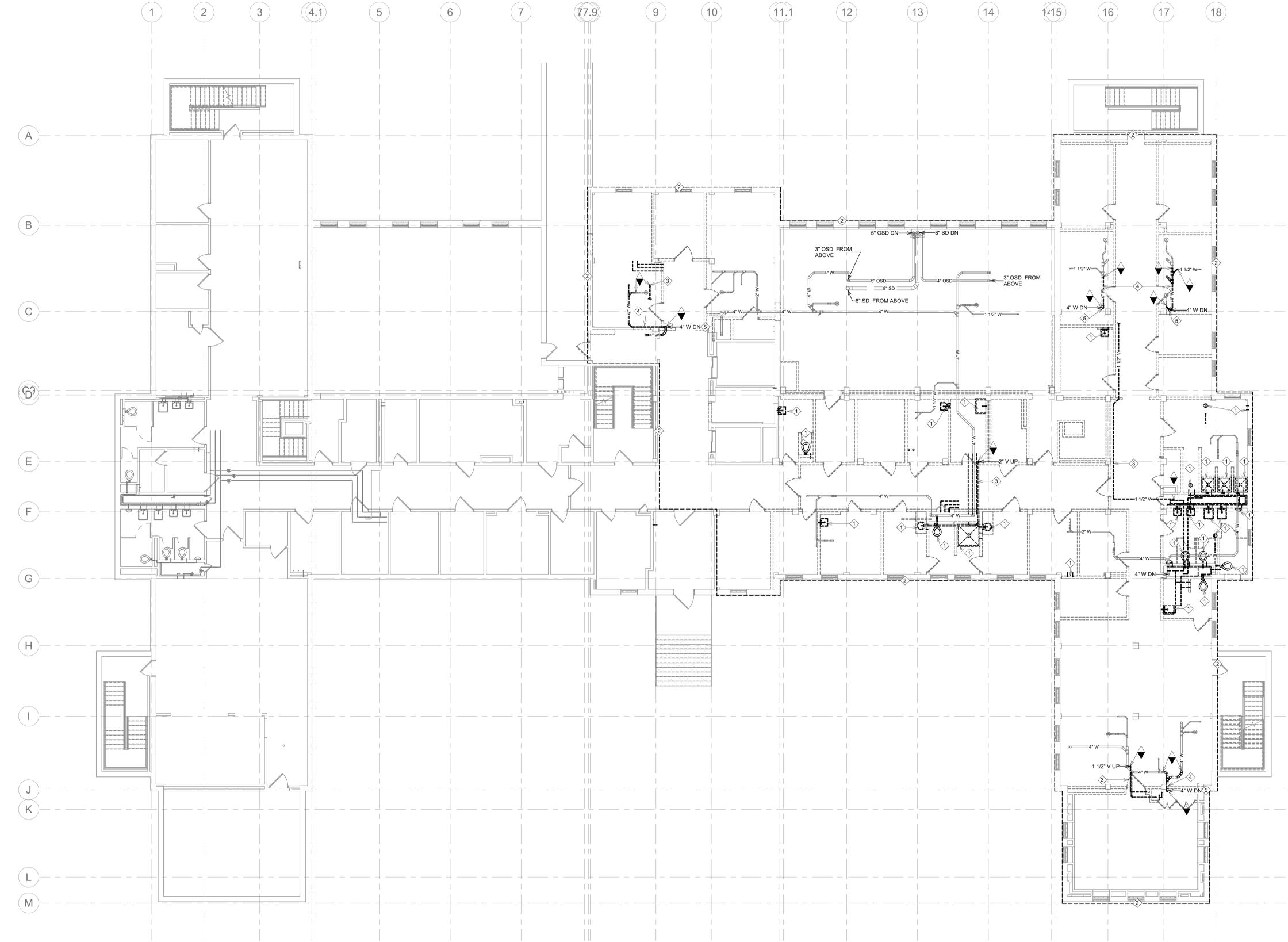
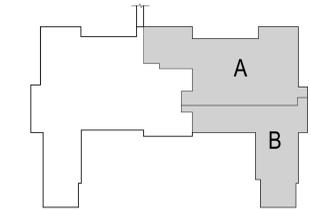
GENERAL NOTES:

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

KEY NOTES:

- 1 DEMOLISH PLUMBING FIXTURE/DRAIN AND REMOVE ALL PIPING BACK TO MAIN ON FLOOR BELOW. NO DEAD LEGS PERMITTED.
- 2 DEMOLISH ALL DOMESTIC WATER PIPING WITHIN AREA OF REMODEL SERVING PLUMBING FIXTURES AND DOWN TO FLOOR BELOW. NO DEAD LEGS PERMITTED.
- 3 DEMOLISH VENT PIPING BACK TO POINT OF DISCONNECT. CAP VENT PIPING BELOW SECOND FLOOR SLAB.
- 4 DEMOLISH WASTE PIPING BETWEEN POINTS OF DISCONNECT. PROTECT EXISTING WASTE PIPING FOR CONNECTION TO NEW.
- 5 DEMOLISH WASTE STACK DOWN THROUGH FIRST FLOOR SLAB. PROTECT EXISTING WASTE PIPING FOR CONNECTION TO NEW.

KEY PLAN



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

Revision#	Description	Date:

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Name: Jason R. Gottwalt, P.E.
Date: 05/22/2020 Reg. No. 41360

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RENOVATE BUILDING 28
FIRST FLOOR EAST RTTP

Location
SAINT CLOUD, MN

Phase
CONSTRUCTION DOCUMENTS

Drawing Title
FIRST FLOOR PLUMBING
DEMOLITION PLAN

Issue Date
MAY 22, 2020

Checked
JRG

Drawn
TNH

Project Number
656-19-306

Building Number
28

Drawing Number
PD111

VA

U.S. Department of Veterans Affairs

Veterans Health Administration
St. Cloud VA Health Care System

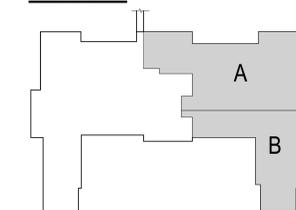
GENERAL NOTES:

- A. MECHANICAL CONTRACTOR WILL BE RESPONSIBLE TO REVIEW ACCESSIBILITY TO AREAS OUTSIDE OF THE CONSTRUCTION LIMITS TO DETERMINE APPROXIMATE AMOUNT OF OVERTIME REQUIRED TO PERFORM ALL MECHANICAL WORK INDICATED. COORDINATION OF SCHEDULES WITH ADJACENT DEPARTMENTS AND CLEANING OF ALL DEBRIS AFTER EACH WORK SHIFT SHOULD BE ASSUMED IN THE BASE BID SCOPE.
- B. ANY MAJOR OUTAGES INDICATED ON THESE DRAWINGS SHALL BE SCHEDULED TO BE PERFORMED AFTER NORMAL BUSINESS HOURS OR DURING WEEKEND PERIODS TO MINIMIZE DISRUPTION.
- C. COORDINATE ALL NEW PLUMBING ROUTING WITH ALL OTHER TRADES TO INSURE ADEQUATE CLEARANCES FOR DUCTWORK, ELECTRICAL CONDUIT, STRUCTURAL SUPPORTS, PIPING, ETC. ANY UNAVOIDABLE CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER OF RECORD. PROVIDE ALL OFFSETS AND TRANSITIONS AS REQUIRED FOR A CLEAN INSTALLATION.
- D. THE EXACT LOCATION OF EQUIPMENT ROUGH-INS SHALL BE VERIFIED WITH THE STAMPED APPROVED SHOP DRAWINGS PRIOR TO ANY FIELD INSTALLATION.
- E. SUPPORT ALL PIPING DIRECTLY TO STRUCTURE. DO NOT SUPPORT ANY PIPING FROM DUCTWORK, CONDUIT, OR OTHER PIPING ENCOUNTERED.
- F. WHERE PLUMBING SYSTEMS TO REMAIN ARE DAMAGED, OR DISTURBED, DURING THE COURSE OF CONSTRUCTION THE CONTRACTOR WILL BE RESPONSIBLE TO REMOVE DAMAGED PORTIONS AND INSTALL NEW PRODUCTS OF EQUAL QUALITY AND FUNCTIONALITY.
- G. ALL EXISTING PIPING THROUGH NEW FIRE RATED WALLS SHALL BE ADEQUATELY FIRE SEALED AS REQUIRED.
- H. ALL CORE DRILLING OR ANY ACTIVITIES CAUSING EXTREME VIBRATION OR NOISE SHALL BE COORDINATED TO BE PERFORMED AFTER BUSINESS HOURS TO NOT AFFECT CRITICAL HOSPITAL FUNCTIONS WITHIN ADJACENT AREAS. COORDINATE WITH MARSHFIELD REPRESENTATIVE AS REQUIRED.
- I. WORK AFFECTING CRITICAL AREAS THAT MAY BE ADVERSELY IMPACTED BY NOISE OR VIBRATIONS MAY BE REQUESTED TO BE PERFORMED AFTER REGULAR BUSINESS HOURS OR ON WEEKENDS. CONTRACTOR TO NOTE THAT ANY AREA OUTSIDE THE CONSTRUCTION LIMITS SHALL BE CLEANED TO THEIR ORIGINAL CONDITION AT THE COMPLETION OF EACH WORK SHIFT.
- J. FIELD VERIFY EXISTING WATER, WASTE, VENT, OR OTHER PIPING SYSTEMS FOR CONNECTIONS TO FIXTURES THAT MAY NOT BE IDENTIFIED ON PLANS PRIOR TO SERVICE OUTAGES, DEMOLITION, OR ALTERATIONS OF EXISTING PIPE ROUTING. COORDINATE UNKNOWN SERVICE WITH HOSPITAL FACILITIES AND ENGINEER OF RECORD.
- K. THE MECHANICAL CONTRACTOR SHALL MAINTAIN ACCURATE RECORD DRAWINGS SHOWING ALL DISCREPANCIES WITH ANY EXISTING PIPING INDICATED OR REVISIONS TO THE NEW PLUMBING LAYOUTS. ALL CHANGES WILL BE UPDATED WITHIN THE FINAL RECORD DRAWING SET.
- L. REFER TO PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL BRANCH SIZES TO FIXTURE.
- M. OFFSET HOT, COLD, AND VENT PIPING AS NEEDED TO MAINTAIN ACCESS TO VAV BOXES, MOTORIZED DAMPERS, BALANCING DAMPERS, ETC.
- N. ALL VALVES TO BE LOCATED ABOVE LAY-IN CEILING FOR ACCESSIBILITY. WHERE VALVES MUST BE LOCATED ABOVE GYPSUM BOARD CEILINGS, MECHANICAL CONTRACTOR SHALL COORDINATE LOCATIONS OF 24"x24" ACCESS PANELS WITH GENERAL CONTRACTOR.

KEY NOTES:

- ① 2" WASTE UP TO SINK/LAVATORY.
- ② 2" WASTE UP TO FLOOR DRAIN.
- ③ 4" WASTE UP TO WATER CLOSET.
- ④ 1-1/2" WASTE TO EMERGENCY PLUMBING FIXTURE.
- ⑤ 3" WASTE UP TO MOP SINK.
- ⑥ 3" WASTE UP TO SERVICE SINK.
- ⑦ 2" WASTE UP TO WASHER BOX.
- ⑧ 3" WASTE UP TO FLOOR DRAIN.
- ⑨ NOTE THAT PIPING PASSES UNDER A LOW STRUCTURAL BEAM AT APPROXIMATE LOCATION INDICATED. TRANSITION PIPING AS REQUIRED AND COORDINATE ANY POTENTIAL SOFFITS REQUIRED WITH GENERAL CONTRACTOR.
- ⑩ IN GENERAL, MOST AREAS HAVE AN EXISTING PLASTER CEILING ABOVE THE CURRENT LAY-IN TILE CEILING. CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE TESTING OF THOSE CEILINGS FOR HAZARDOUS MATERIAL AND THEN REMOVING AS MUCH AS REQUIRED TO INSTALL NEW PIPE SUPPORT HANGERS. THIS KEY NOTE APPLIES TO ALL PIPING SHOWN ON THIS FLOOR LEVEL.
- ⑪ CORRIDOR AREAS ARE EXTREMELY CONGESTED WITH DUCTWORK AND PIPING. CONTRACTOR MAY BE REQUIRED TO PROVIDE TRAPEZE SUPPORTS AND/OR LOWERED CEILING SOFFIT AREAS TO PASS PIPING ACROSS CORRIDOR LOCATIONS.

KEY PLAN



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

Revision#	Description	Date:

CONSULTANT

DUNHAM

50 South Sixth Street / Suite 1100
 Minneapolis, Minnesota 55402-1540
 Phone: 612.465.7550 Fax: 612.465.7551
 Website: dunhaminc.com
 mechanical + electrical consulting engineering
 0420950-007-00

ARCHITECT/ENGINEER OF RECORD

ANDERSON

13605 1st Ave. N. #100 Plymouth, MN 55441
 P 763.412.4000 | F 763.412.4090 | ae-mn.com
 Anderson Engineering of Minnesota, LLC | Proj # Project Number

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Name: Jason R. Gottwalt, P.E.
 Date: 05/22/2020 Reg. No. 41360

Project Title
RENOVATE BUILDING 28
FIRST FLOOR EAST RTPT

Location
SAINT CLOUD, MN

Phase
CONSTRUCTION DOCUMENTS

Drawing Title
BASEMENT PLUMBING FLOOR PLAN

Issue Date
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PP101

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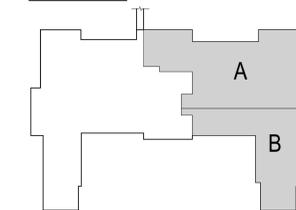
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KEY NOTES:

- 1. 3" VENT UP IN CHASE, THROUGH SECOND FLOOR AND ATTIC. TRANSITION TO 4" VENT BEFORE ROUTING THROUGH ROOF.
- 2. BALANCE CIRCUIT SETTER TO TO 1.6M. ALL BALANCING VALVES TO HAVE ISOLATION VALVES ON BOTH SIDES FOR SERVICING AND CHECK VALVE TO ENSURE FLOW IN RIGHT DIRECTION.
- 3. EXISTING NON-RATED SHAFTS/CHASES SHALL GET FIRE CAULKING REAPPLIED TO ALL PIPING PENETRATIONS, BOTH NEW AND EXISTING.
- 4. RECIRCULATING COLD WATER TO BE COORDINATED WITH SEPARATE LEGIONELLA PROJECT. RECIRCULATING COLD WATER PIPING AND VALVES HAVE THE POTENTIAL TO BE REMOVED FROM PROJECT. COORDINATE WITH ENGINEER, OR VA REPRESENTATIVE, PRIOR TO STARTING ANY INSTALLATION ACTIVITIES.
- 5. ROUTE WASTE THROUGH WALL TO CHASE. CONNECT TO SERVICE SINK WASTE TO AVOID STRUCTURAL BEAM BELOW.
- 6. 1/2" COLD WATER TO OWNER PROVIDED COFFEE MAKER.
- 7. 1/2" COLD WATER TO OWNER PROVIDED REFRIGERATOR.
- 8. CONNECT NEW 4" WASTE UP TO EXISTING 4" WASTE SERVING WATER CLOSET ON FLOOR ABOVE.

KEY PLAN



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

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Name: Jason R. Gottwalt, P.E.
 Date: 05/22/2020 Reg. No. 41360

Project Title
 RENOVATE BUILDING 28
 FIRST FLOOR EAST RTPT

Location
 SAINT CLOUD, MN

Phase
 CONSTRUCTION DOCUMENTS

Drawing Title
 FIRST PLUMBING FLOOR PLAN

Issue Date
 MAY 22, 2020

Checked
 JRG

Drawn
 TNH

Project Number
 656-19-306

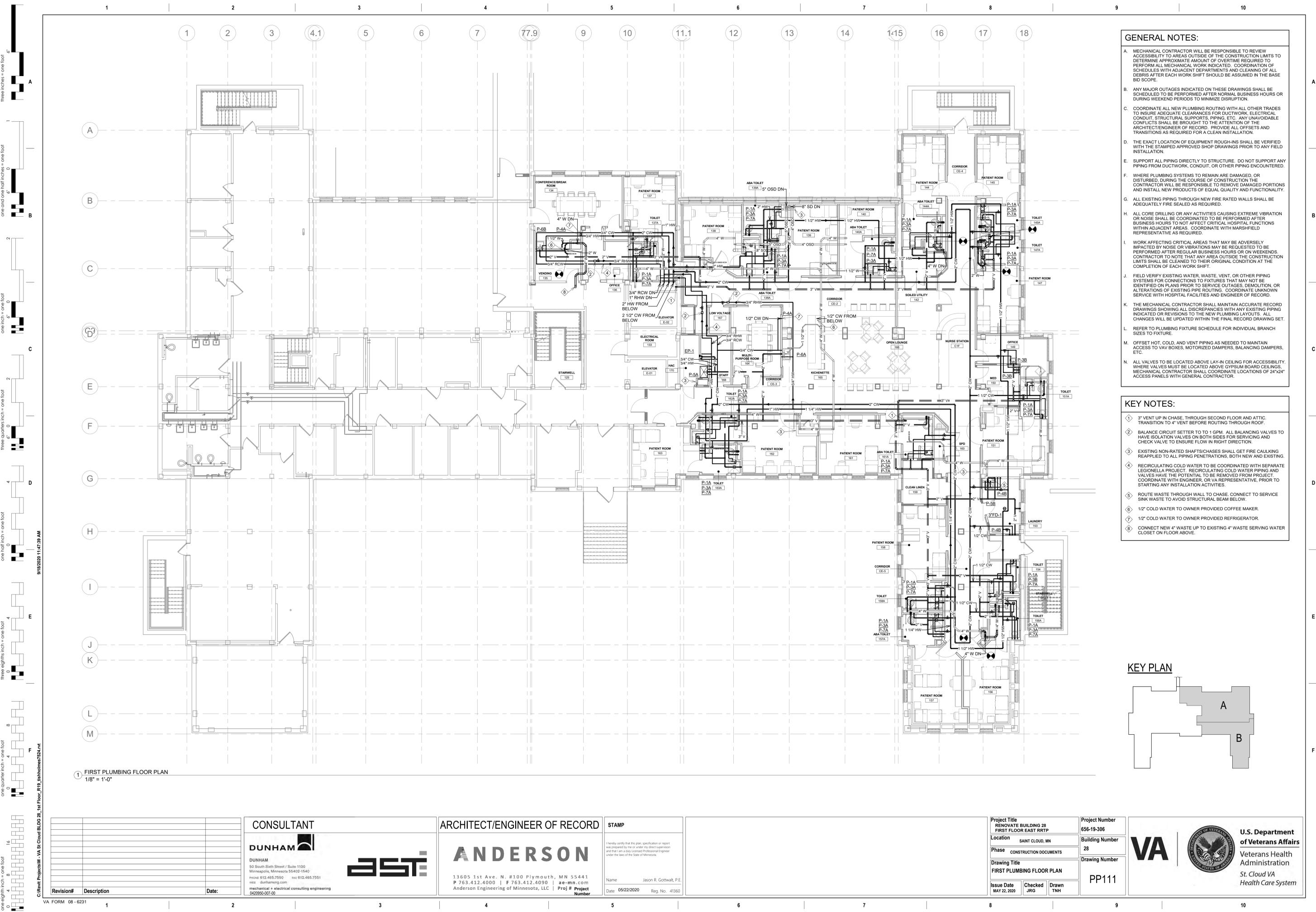
Building Number
 28

Drawing Number
 PP111

U.S. Department of Veterans Affairs

Veterans Health Administration

St. Cloud VA Health Care System



Scale indicators on the left margin:
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 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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Grid lines 1 through 18 and A through M are labeled along the top and right edges of the drawing.

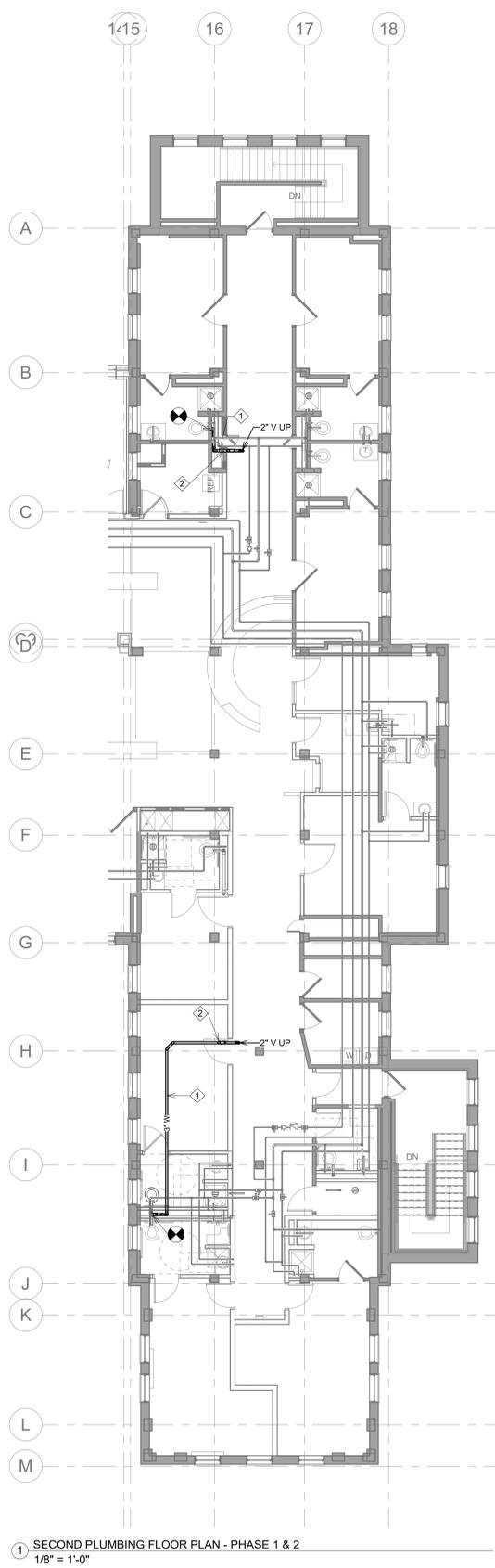
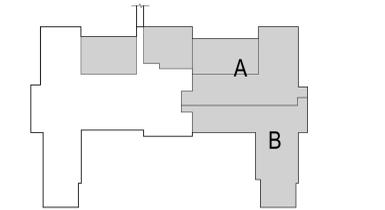
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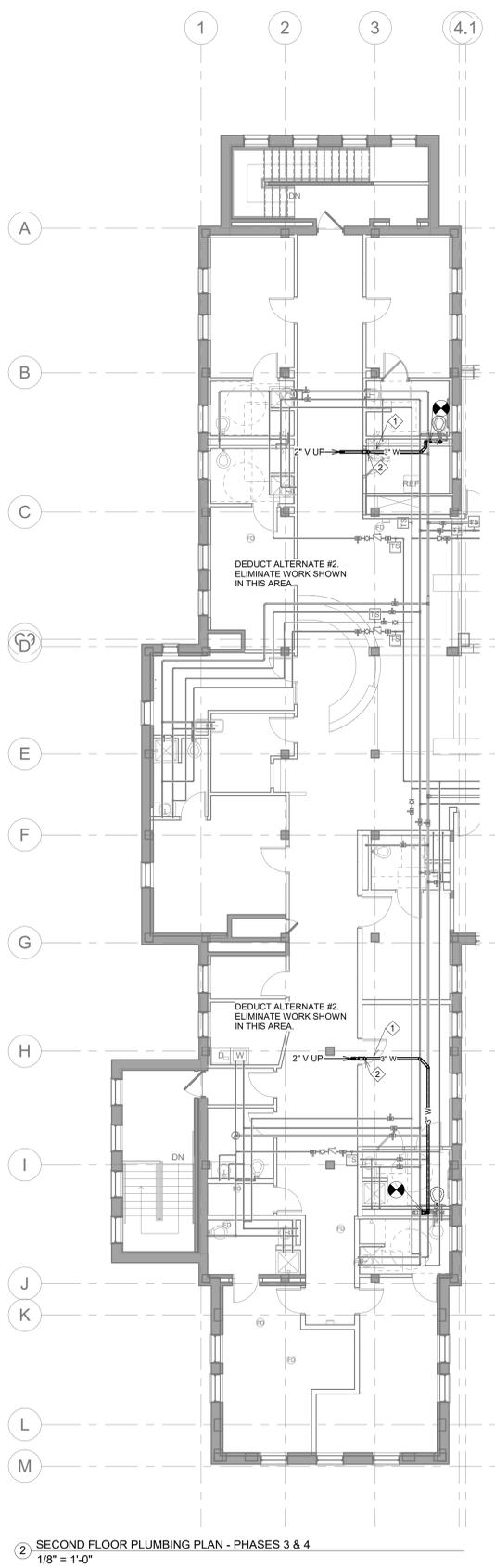
KEY NOTES:

- ① ROUTE 3" WASTE PIPE TO TOILET ROOM GROUP. TIE INTO 4" WASTE SERVING THE WATER CLOSET IN THE TOILET GROUP. NOTE THAT THIS WILL REQUIRE REMOVAL OF CHASE WALLS IN THIS LOCATION. CONTRACTOR WILL BE RESPONSIBLE TO PATCH BACK ALL DEMOLISH CHASE WALLS TO THEIR ORIGINAL CONDITION. COORDINATE PAINT, TILE, OR WALL COVERING MATCHES WITH ARCHITECT.
- ② 3" WASTE UP TO FLOOR DRAIN. COORDINATE INSTALLATION DETAIL WITH GYPCRETE FLOOR STRUCTURE IN ATTIC SPACE ABOVE. CONTRACTOR MAY BE REQUIRED TO PROVIDE PAN TO BOTH PROPERLY SUPPORT DRAIN AND POUR ADDITIONAL CONCRETE TO CREATE WATERTIGHT INSTALLATION.

KEY PLAN



① SECOND PLUMBING FLOOR PLAN - PHASE 1 & 2
1/8" = 1'-0"



② SECOND FLOOR PLUMBING PLAN - PHASES 3 & 4
1/8" = 1'-0"

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Name: Jason R. Gottwalt, P.E.
 Date: 05/22/2020 Reg. No. 41360

Project Title
 RENOVATE BUILDING 28
 FIRST FLOOR EAST RTTP

Location
 SAINT CLOUD, MN

Phase
 CONSTRUCTION DOCUMENTS

Drawing Title
 SECOND PLUMBING FLOOR PLAN

Issue Date
 MAY 22, 2020

Project Number
 656-19-306

Building Number
 28

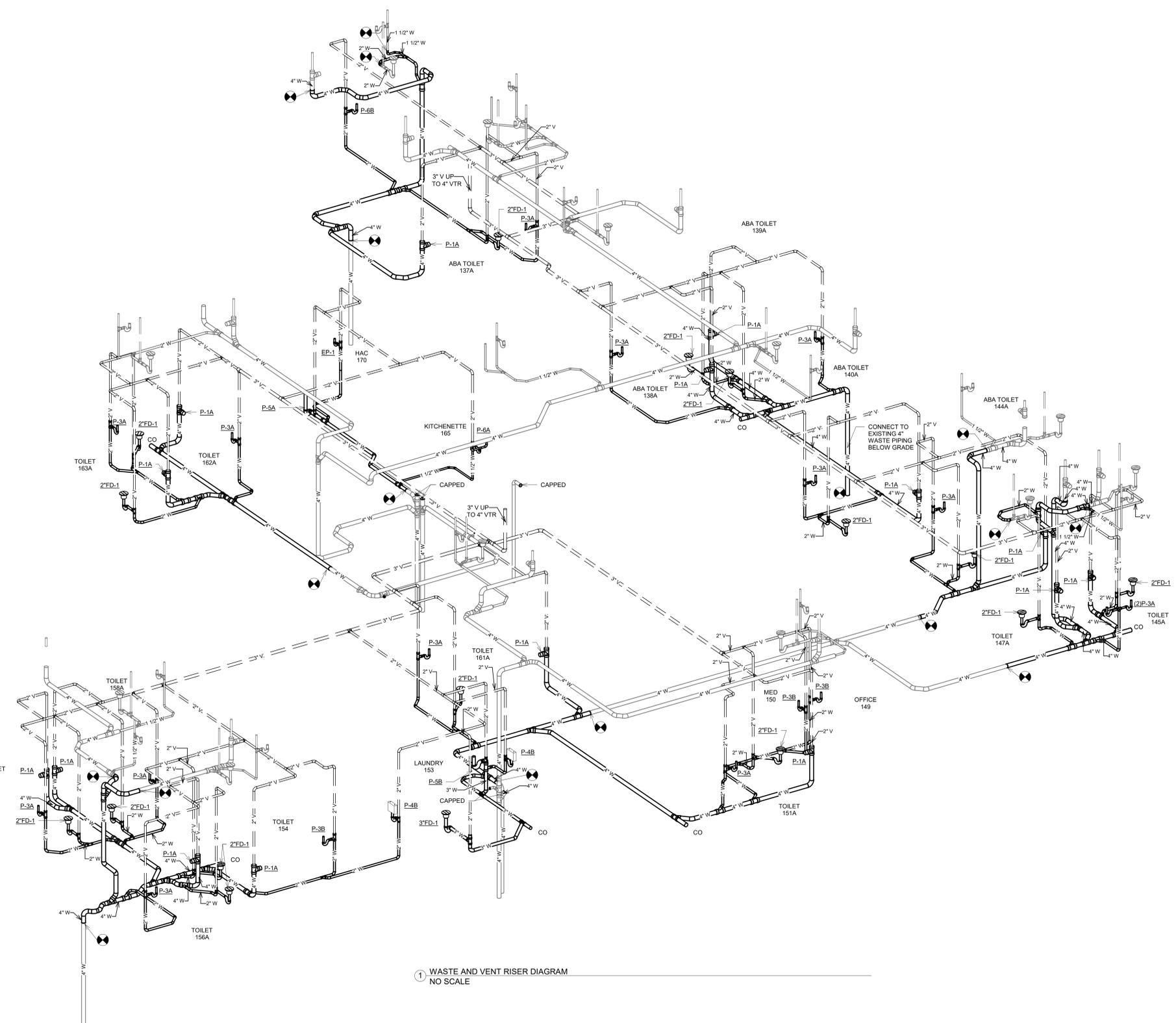
Drawing Number
 PP121

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U.S. Department of Veterans Affairs

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1 WASTE AND VENT RISER DIAGRAM
NO SCALE

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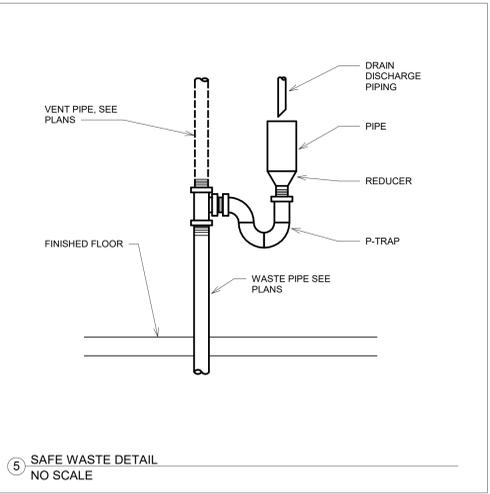
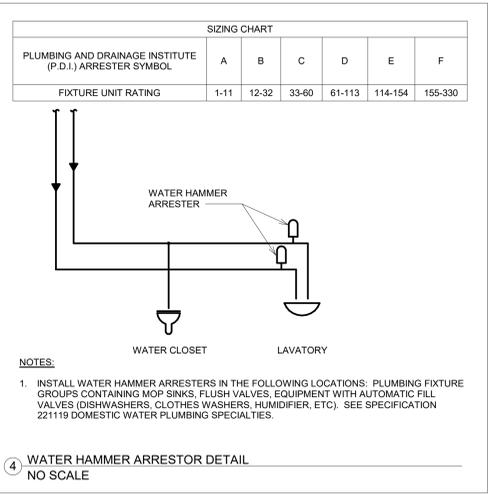
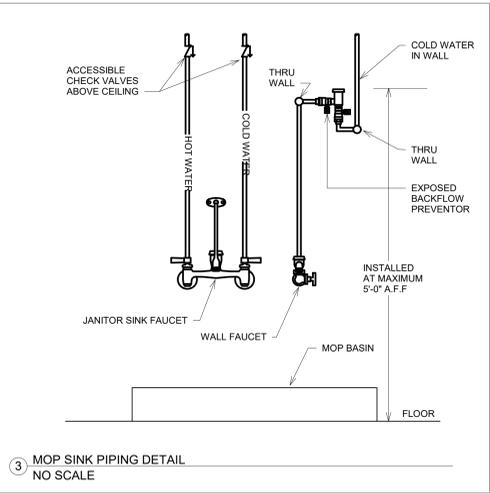
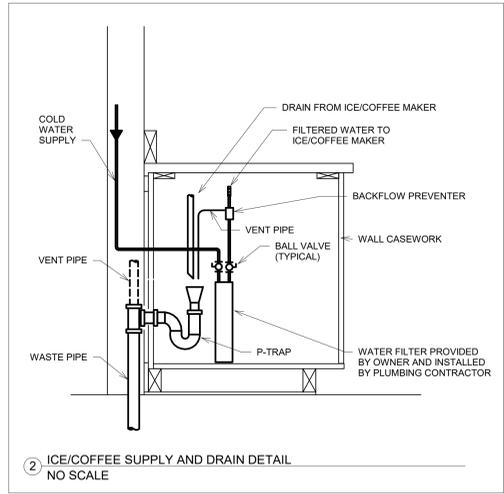
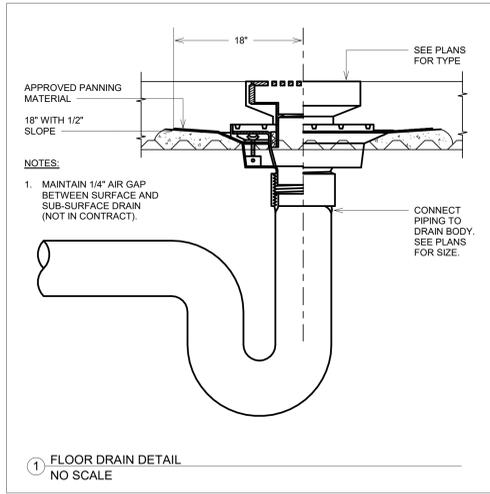
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Project Title RENOVATE BUILDING 28 FIRST FLOOR EAST RTTP			Project Number 656-19-306		
Location SAINT CLOUD, MN			Building Number 28		
Phase CONSTRUCTION DOCUMENTS			Drawing Number PP400		
Drawing Title WASTE AND VENT RISER DIAGRAM					
Issue Date MAY 22, 2020	Checked JRG	Drawn TNH			

VA U.S. Department of Veterans Affairs
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PLUMBING FIXTURE SCHEDULE

FIXTURE TAG	FIXTURE DESCRIPTION	MOUNTING	ADA	FIXTURE	TRIM	STOP	TRAP	CARRIER	WASTE (IN)	TRAP (IN)	VENT (IN)	CW (IN)	HW (IN)	MECHANICAL NOTES
P-1A	WATER CLOSET	WALL	YES	AMERICAN STANDARD AFWALL 3351 101, ELONGATED BOWL, WALL MOUNTED WITH TOP SPUD, WHITE, EVERCLEAN SURFACE.	SLOAN FLUSHMETER MODEL G2 OPTIMA PLUS 8111, BATTERY POWERED SENSOR OPERATED, 1.8 GPF, LOW CONSUMPTION, ANGLE STOP, 1" IPS, TOP SPUD, POLISHED CHROME.	INTEGRAL ANGLE STOP ON FLUSH VALVE.	INTEGRAL	ZURN Z1204-N-X ADJUSTABLE VERTICAL SIPHON JET 500 LB., NO-HUB CARRIER WITH HEVY-DUTY REAR ANCHOR TIE DOWN.	4	NA	2	1 1/2	NA	PROVIDE OPEN FRONT WHITE SEAT EQUAL TO OLSONITE 95SSCT.
P-3A	LAVATORY	INTEGRAL	YES	INTEGRAL BOWL WITH COUNTER TOP.	CHICAGO FAUCETS EQ-A11A-13ABCP, DECK MOUNTED, ECO CURVED SERIES, SINGLE HOLE, HANDS-FREE INFRARED FAUCET, CERAMIC CARTRIDGE, 1.5 GPM VANDAL PROOF NON-AERATING SPRAY, BATTERY POWERED, POLISHED CHROME.	ANGLE STOP CHICAGO FAUCETS 1017-CSTABCP, NO FLEXIBLE HOSES LESS CHECK ON COLD WATER PIPE WITH 3/8" CHROME PLATED BRASS TUBING.	McGUIRE 1-1/4"x1-1/4" CAST BRASS CHROME PLATED "P" TRAP, TREATED INSIDE & OUTSIDE WITH SANIGUARD; EXTEND TO WALL WITH ESCUTCHEON.	NA	1-1/2	1-1/4	2	1/2	1/2	PROVIDE CHICAGO FAUCETS 131-FMAB THERMOSTATIC MIXING VALVE. LOCATE BELOW LAVATORY. PROVIDE MOLDED COVERING FOR WATER AND WASTE PIPING EQUAL TO TRUEBRO "LAV GUARD 2". PROVIDE McGUIRE CAST BRASS CHROME PLATED TAILPIECE & OPEN GRID STRAINER. ALL METAL PARTS TREATED INSIDE & OUTSIDE WITH SANIGUARD.
P-3B	LAVATORY	WALL	YES	AMERICAN STANDARD LUCERNE 0356 915, WALL HUNG FOR CONCEALED ARMS SUPPORT, 8" CENTERS, LESS OVERFLOW, VITREOUS CHINA, WHITE.	CHICAGO FAUCETS 786-E29KKABCP, DECK MOUNTED, 5-1/4" RIGID/SWING GOOSENECK SPOUT, 8" CENTERS, WRISTBLADE HANDLES, CERAMIC CARTRIDGE, 2.2 GPM LAMINAR FLOW OUTLET, POLISHED CHROME.	ANGLE STOP CHICAGO FAUCETS 1017-CSTABCP, NO FLEXIBLE HOSES LESS CHECK ON COLD WATER PIPE WITH 3/8" CHROME PLATED BRASS TUBING.	McGUIRE 1-1/4"x1-1/4" CAST BRASS CHROME PLATED "P" TRAP, TREATED INSIDE & OUTSIDE WITH SANIGUARD; EXTEND TO WALL WITH ESCUTCHEON.	FLOOR MOUNTED, CONCEALED ARMS, LEVELING AND SECURING SCREWS, STRUCTURAL UPRIGHTS AND WELDED FEET.	1-1/2	1-1/4	2	1/2	1/2	PROVIDE CHICAGO FAUCETS 131-FMAB THERMOSTATIC MIXING VALVE. PROVIDE MOLDED COVERING FOR WATER AND WASTE PIPING EQUAL TO TRUEBRO "LAV GUARD 2". PROVIDE McGUIRE CAST BRASS CHROME PLATED TAILPIECE & OPEN GRID STRAINER. ALL METAL PARTS TREATED INSIDE AND OUTSIDE WITH SANIGUARD.
P-4A	ICE MAKER CONNECTION BOX	WALL	NA	GUY GRAY MIB1AB, RECESSED, WHITE POWDER COATED STEEL ICE MAKER OUTLET BOX, WITH BRASS PLATED, QUARTER TURN, LEAD-FREE COMPLIANT BALL VALVE.	NA	NA	NA	NA	NA	NA	NA	1/2	NA	COORDINATE LOCATION & MOUNTING HEIGHT OF WALL BOX WITH CASEWORK & EQUIPMENT REQUIREMENTS.
P-4B	WASHER BOX	WALL	NA	GUY GRAY T200QT, RECESSED, WHITE POWDER COATED STEEL WASH MACHINE OUTLET BOX, WATERTIGHT, SLOPED TO 2" CENTER DRAIN, WITH QUARTER TURN BALL VALVES.	NA	NA	2" "P" TRAP	NA	2	2	2	3/4	3/4	COORDINATE LOCATION & MOUNTING HEIGHT OF WALL BOX WITH EQUIPMENT REQUIREMENTS.
P-5A	SERVICE SINK	FLOOR	NA	CRANE/FIAT MSB 3624 MOP SERVICE BASIN, 36" X 24" X 10" DEEP, MOLDED STONE, STAINLESS STEEL DRAIN WITH COMBINATION COME STRAINER & LINT BASKET.	CHICAGO FAUCETS 540LD8975WFKXCP, WALL MOUNTED, 5-3/4" VACUUM BREAKER SPOUT WITH HOSE THREAD, PAIL HOOK & WALL BRACE, LEVER HANDLES, CERAMIC CARTRIDGE, POLISHED CHROME.	ACCESSIBLE CHECK VALVES & SHUTOFFS ON HOT & COLD SUPPLIES.	3" "P" TRAP	NA	3	3	2	3/4	3/4	PROVIDE CRANE/FIAT 833-AA HOSE & HOSE BRACKET, 889-CC MOP HANGER, (2) E-88-AA STAINLESS STEEL BUMPERGUARD, (2) MSG3624 STAINLESS STEEL WALL GUARD.
P-5B	SERVICE SINK	WALL	NA	AMERICAN STANDARD LAKEWELL 7892 008, DRILLED BACK 2 HOLES ON 8" CENTERS, WALL HANGER, RIM GUARD, ENAMELED CAST IRON, WHITE.	CHICAGO FAUCETS 306-V8XKCP, WALL MOUNTED, 2-3/8" VACUUM BREAKER SPOUT WITH HOSE THREAD & PAIL HOOK, ADJUSTABLE ARMS, LEVER HANDLES, CERAMIC CARTRIDGE, POLISHED CHROME.	ACCESSIBLE CHECK VALVES & SHUTOFFS ON HOT & COLD SUPPLIES.	AMERICAN STANDARD 7798.030, 3" CAST IRON "P" TRAP STANDARD TO WALL & STRAINER FOR 3" IRON PIPE	WALL HANGER SUPPLIED WITH FIXTURE.	3	3	2	3/4	3/4	
P-6A	DOUBLE BOWL SINK	COUNTER-DROP IN	YES	ELKAY LRAD3322, 18 GAUGE, TYPE 304 STAINLESS STEEL, 22" X 22" X 5-1/2" DEEP, 3 HOLE, UNDERCOATED.	CHICAGO FAUCETS 786-E29KKABCP, DECK MOUNTED, 5-1/4" RIGID/SWING GOOSENECK SPOUT, 8" CENTERS, WRISTBLADE HANDLES, CERAMIC CARTRIDGE, 2.2 GPM LAMINAR FLOW OUTLET, POLISHED CHROME.	ANGLE STOP CHICAGO FAUCETS 1017-CSTABCP, NO FLEXIBLE HOSES LESS CHECK ON COLD WATER PIPE WITH 3/8" CHROME PLATED BRASS TUBING.	McGUIRE 1-1/2"x1-1/2" CAST BRASS CHROME PLATED "P" TRAP, TREATED INSIDE & OUTSIDE WITH SANIGUARD; EXTEND TO WALL WITH ESCUTCHEON.	NA	1-1/2	1-1/2	2	1/2	1/2	PROVIDE CHICAGO FAUCETS 131-FMAB THERMOSTATIC MIXING VALVE. LOCATE BELOW LAVATORY. PROVIDE MOLDED COVERING FOR WATER AND WASTE PIPING EQUAL TO TRUEBRO "LAV GUARD 2". PROVIDE McGUIRE CAST BRASS CHROME PLATED TAILPIECE & OPEN GRID STRAINER. ALL METAL PARTS TREATED INSIDE & OUTSIDE WITH SANIGUARD.
P-6B	SINGLE BOWL SINK	COUNTER-DROP IN	NO	ELKAY DLR222212, 18 GAUGE, TYPE 304 STAINLESS STEEL, 22" X 22" X 12-1/8" DEEP, 3 HOLE, UNDERCOATED.	CHICAGO FAUCETS 786-E29KKABCP, DECK MOUNTED, 5-1/4" RIGID/SWING GOOSENECK SPOUT, 8" CENTERS, WRISTBLADE HANDLES, CERAMIC CARTRIDGE, 2.2 GPM LAMINAR FLOW OUTLET, POLISHED CHROME.	ANGLE STOP CHICAGO FAUCETS 1017-CSTABCP, NO FLEXIBLE HOSES LESS CHECK ON COLD WATER PIPE WITH 3/8" CHROME PLATED BRASS TUBING.	McGUIRE 1-1/2"x1-1/2" CAST BRASS CHROME PLATED "P" TRAP, TREATED INSIDE & OUTSIDE WITH SANIGUARD; EXTEND TO WALL WITH ESCUTCHEON.	NA	1-1/2	1-1/2	2	1/2	1/2	PROVIDE CHICAGO FAUCETS 131-FMAB THERMOSTATIC MIXING VALVE. LOCATE BELOW SINK. PROVIDE MOLDED COVERING FOR WATER AND WASTE PIPING EQUAL TO TRUEBRO "LAV GUARD 2". PROVIDE McGUIRE CAST BRASS CHROME PLATED TAILPIECE & OPEN GRID STRAINER. ALL METAL PARTS TREATED INSIDE & OUTSIDE WITH SANIGUARD.
P-7A	SHOWER	WALL	YES	NA	CHICAGO 2500-VOCXCP, BUILT-IN SCALD PROTECTION, PRESSURE BALANCE VALVE, HAND HELD SHOWER HEAD, 69.5" STAINLESS STEEL HOSE, 36" ADA GRAB BAR, INTEGRAL STOPS.	INTEGRAL	NA	NA	2" FD SEE FLOOR DRAIN SCHEDULE	NA	NA	1/2	1/2	PROVIDE POWERS 141-319 INLINE VACUUM BREAKER ON HAND WAND AT WALL.

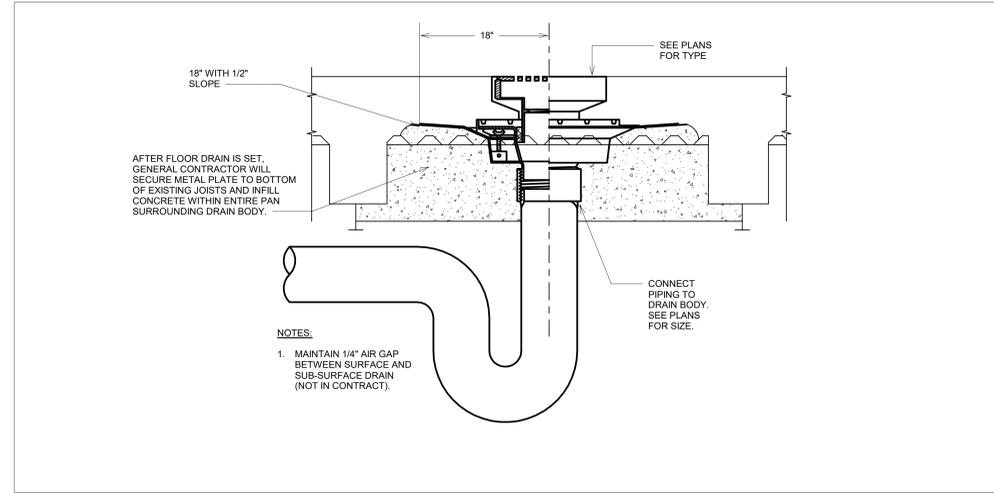
FLOOR DRAIN SCHEDULE

EQUIPMENT TAG	SIZE (IN)	MANUFACTURER	MODEL NUMBER	MECHANICAL NOTES
FD-1	2"	JOSAM	30000A	

MECHANICAL NOTES:

EMERGENCY PLUMBING FIXTURE SCHEDULE

EQUIPMENT TAG	FIXTURE DESCRIPTION	MOUNTING	ADA	FIXTURE	STOP	TRAP	WASTE (IN)	TRAP (IN)	VENT (IN)	CW (IN)	HW (IN)	TW (IN)	MECHANICAL NOTES
EP-1	COMBINATION EYE AND FACE WASH	WALL	YES	SPEAKMAN SE-1050 WITH STAINLESS STEEL BOWL	-	1-1/4	1-1/2	1-1/4	2	1/2	1/2	1/2	PROVIDE WITH MANUFACTURER'S P-TRAP AND SE-370 THERMAL MIXING VALVE WITH COLD WATER BY-PASS.



Revision#	Description	Date:

CONSULTANT
DUNHAM
523 South Smith Street / Suite 1100
Minneapolis, Minnesota 55402-1540
Phone: 612.465.7550 Fax: 612.465.7551
www.dunhaminc.com
mechanical & electrical consulting engineering
042959-007-00

ARCHITECT/ENGINEER OF RECORD
ANDERSON
13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # Project Number

STAMP
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 Minnesota.
Name: Jason R. Gottwalt, P.E.
Date: 05/22/2020 Reg. No. 41360

Project Title: RENOVATE BUILDING 28 FIRST FLOOR EAST RTYP
Location: SAINT CLOUD, MN
Phase: CONSTRUCTION DOCUMENTS
Drawing Title: PLUMBING DETAILS AND SCHEDULES
Issue Date: MAY 22, 2020
Checked: Drawn:

Project Number: 656-19-306
Building Number: 28
Drawing Number: PP500

VA
U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System