

File Name: F:\2023\23-106 NEW NURSING LAB #3 - SUNY ORANGE NEWBURGH CAMPUS\SP-Q01.dwg (Layout: P-001)
Date: Wed, Nov 01, 2023 - 12:05 PM (Name: SJ)

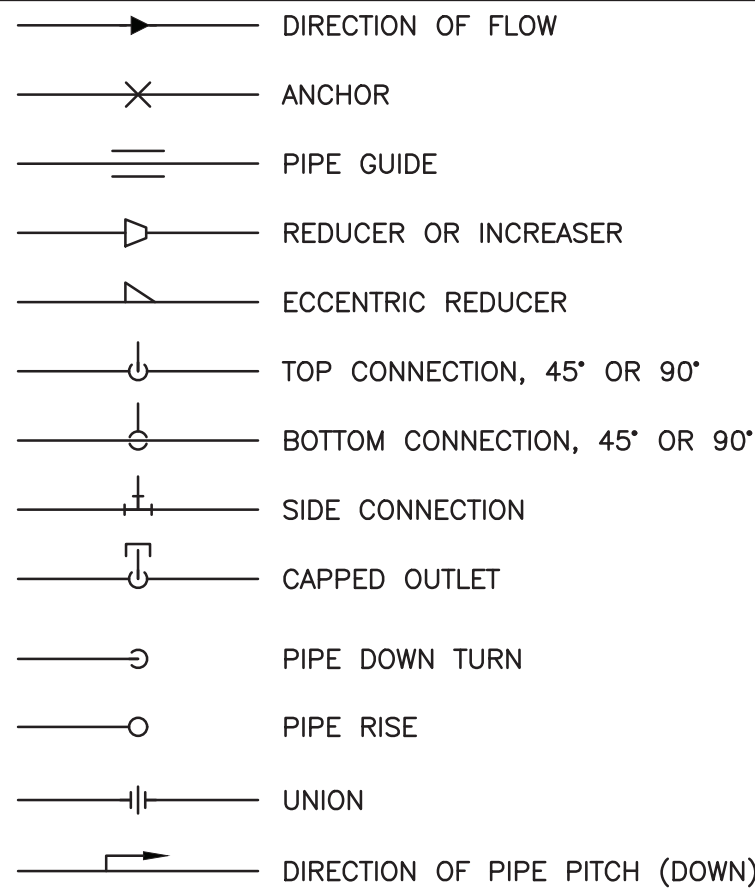
GENERAL NOTES:

- THE DRAWINGS ON THESE PLANS ARE DIAGRAMMATIC. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH OTHER TRADES AND THE BUILDING STRUCTURE. NO EXTRA PAYMENTS WILL BE AUTHORIZED FOR REROUTING OR REMOVAL OF INSTALLED WORK DUE TO LACK OF COORDINATION WITH OTHER SYSTEMS.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF WALLS, FLOORS AND CEILINGS AS REQUIRED FOR INSTALLATION OF HIS WORK.
- THIS CONTRACTOR SHALL FURNISH AND INSTALL ACCESS PANELS AS REQUIRED WHERE ACCESSIBILITY TO COMPONENTS (VALVES, TRAPS, CLEANOUTS, ETC.) IS REQUIRED FOR MAINTENANCE AND/OR SYSTEM OPERATION.
- ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE SEALED FIRE AND SMOKE TIGHT WITH AN APPROPRIATE U.L. LISTED FIRESTOPPING MATERIAL AND OR SYSTEM.
- ALL PENETRATIONS THROUGH FOUNDATIONS AND EXTERIOR WALLS SHALL BE SEALED WITH EDPM FOR EDPM RUBBER GASKET AND SEALED WITH A WATERPROOF, NON-HARDENING SEALANT.
- FURNISH AND INSTALL UNDER SINK PROTECTIVE PIPE COVER KITS ON EXPOSED PIPING AT ALL ADA ACCESSIBLE SINKS AND LAVATORIES.
- COORDINATE FIXTURE ROUGH-INS AND INSTALLATIONS WITH THE ARCHITECTURAL PLANS.
- ALL EXPOSED DOMESTIC WATER DISTRIBUTION PIPING IS TO BE INSULATED.
- PROVIDE SHUT-OFF VALVES AT ALL BRANCH PIPING TAKE-OFFS AND AT ALL CONNECTIONS TO EQUIPMENT. PROVIDE UNIONS AT ALL EQUIPMENT CONNECTIONS.
- THE TERMS "PROVIDE" OR "FURNISH", AS USED ON THESE PLANS, INDICATE THAT THE CONTRACTOR IS TO FURNISH AND INSTALL THE REFERENCED EQUIPMENT OR SYSTEMS IN THEIR ENTIRETY AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
- CONTRACTOR SHALL PROVIDE ALL COMPONENTS INDICATED ON DETAIL SHEETS, PLANS, SPECIFICATIONS AND ALL PERTINENT EQUIPMENT REQUIRED FOR A COMPLETE AND WORKABLE SYSTEM.
- CONTRACT CLOSE OUT: IN THE PRESENCE OF THE OWNER, ENGINEER OR ARCHITECT; DEMONSTRATING OPERATION OF SYSTEMS AND THAT ALL SPECIFICATIONS HAVE BEEN MET TO THE SATISFACTION OF ALL PARTIES.
- IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO PROVIDE ALTERATIONS AND/OR NEW CONSTRUCTION AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS TO PROVIDE COMPLETE NEW SYSTEMS IN EVERY RESPECT, CAPABLE OF OPERATING AS DESIGNED. IT IS NOT INTENDED THAT EVERY FITTING, MINOR DETAIL OR FEATURE BE SHOWN ON DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DETAIL NECESSARY FOR COMPLETION OF THESE SYSTEMS IN ACCORDANCE WITH GOOD PRACTICE.

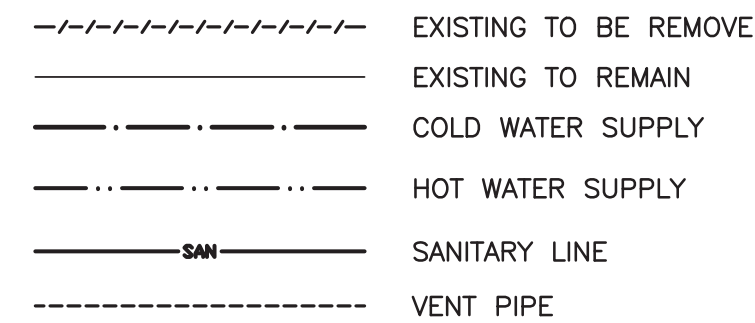
GENERAL PLUMBING NOTES:

- DRAIN PIPING SHOWN ON PLANS SHALL BE INSTALLED BELOW THE FLOOR SHOWN (BELOW SLAB OR ABOVE CEILING OF LOWER FLOOR AS APPROPRIATE) UNLESS OTHERWISE NOTED.
- ALL PLUMBING SUPPLY & VENT PIPING SHOWN SHALL BE INSTALLED IN THE CEILING OF THE FLOOR PLAN SHOWN, UNLESS OTHERWISE NOTED.
- PLUMBING CONTRACTOR IS RESPONSIBLE FOR OWN CUTTING & PATCHING AS REQUIRED. FINISHING SHALL BE BY GENERAL CONTRACTOR.
- INSTALL SECTIONALIZING VALVES AT ALL MAIN "T" ON DOMESTIC HOT & COLD WATER SERVICE.
- HOT & HOT WATER RETURN PIPING SHALL BE INSULATED PER WRITTEN SPECIFICATIONS AND NYS ENERGY CONSERVATION CONSTRUCTION CODE.
- PLUMBING CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ROOF DRAINS AND FOR ADDITIONAL ROOF DRAIN WORK NOT SHOWN ON PLUMBING DRAWING.
- UNLESS OTHERWISE NOTED, ALL VALVES 2"ø & SMALLER SHALL BE QUARTER-TURN BALL VALVES AND ALL VALVES 2½" & LARGER SHALL BE GATE VALVES. ALL VALVES SHALL BE OF FULL-PORT DESIGN.
- PLUMBING CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED & PAY ALL FEES.
- ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE SEALED FIRE AND SMOKE TIGHT WITH AN APPROPRIATE U.L. LISTED FIRESTOPPING MATERIAL AND OR SYSTEM.

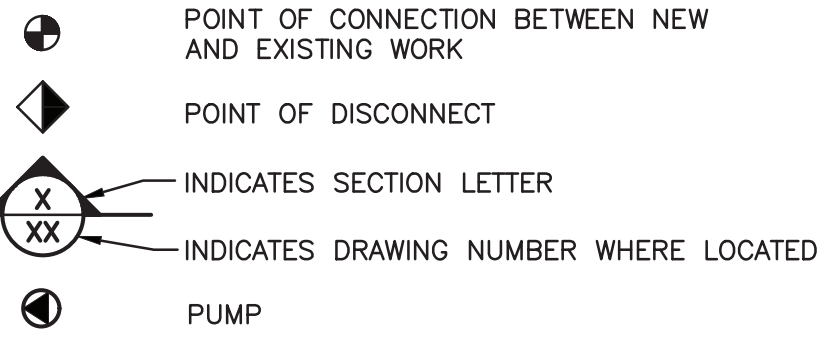
PIPING SYMBOLS



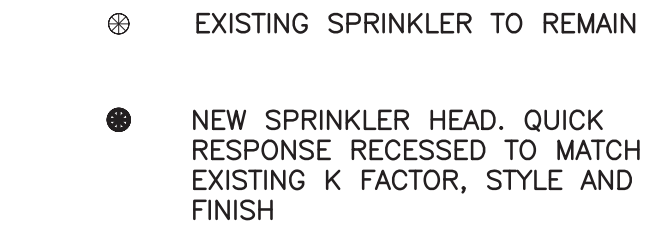
PLUMBING LINE TYPES



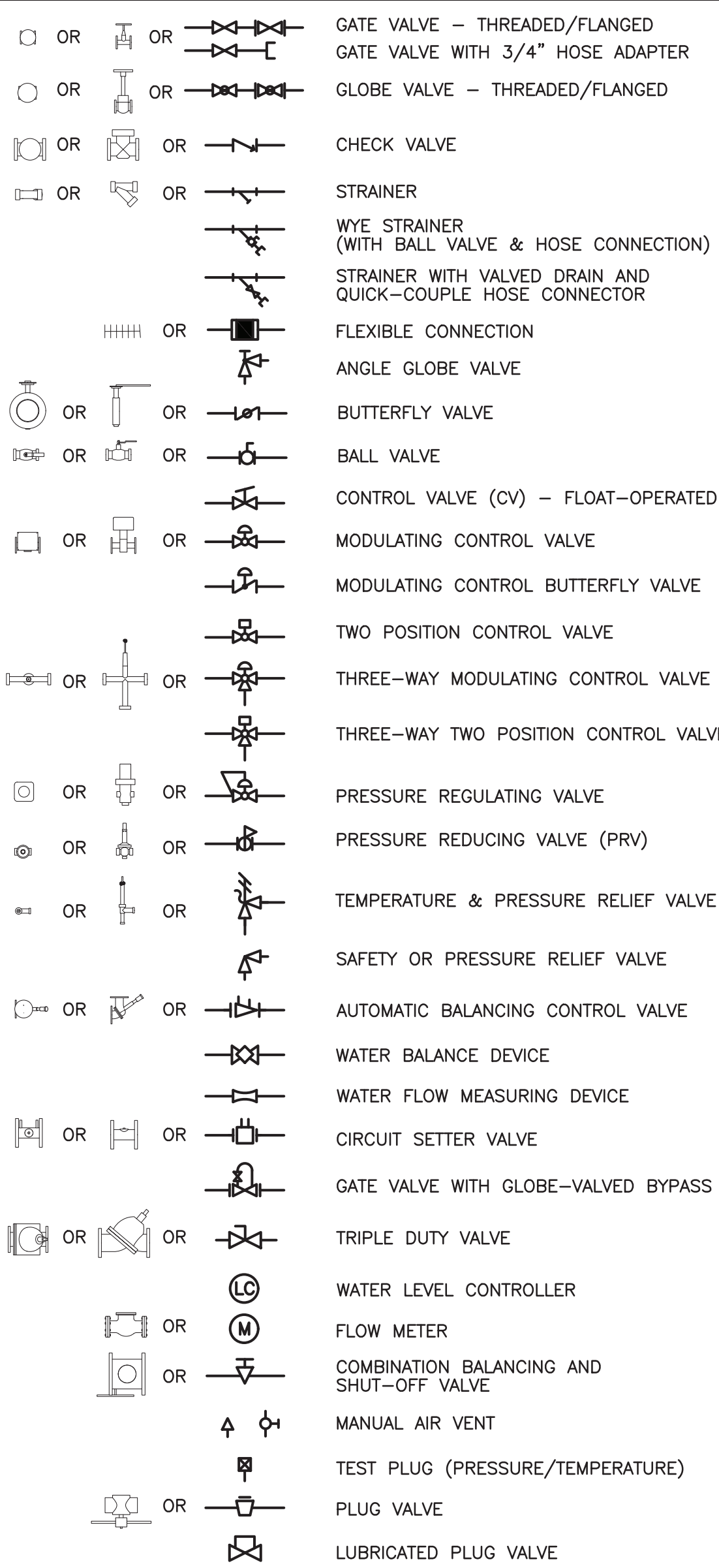
GENERAL SYMBOLS



SPRINKLER LEGEND



VALVE SYMBOLS

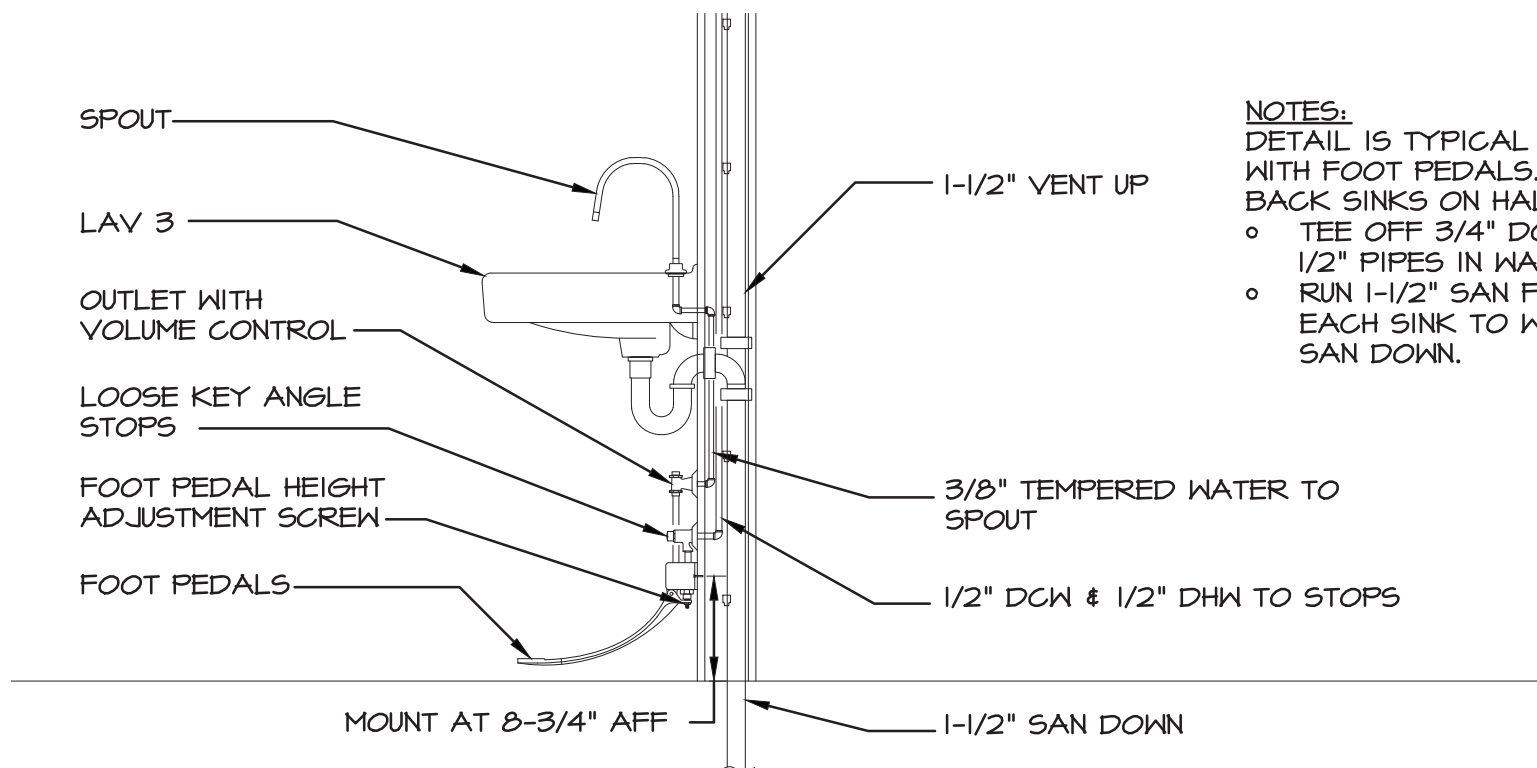


ABBREVIATIONS

A	MEDICAL AIR
ACT	ACOUSTIC CEILING TILE
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
AW	ACID WASTE PIPE
BTUH	BRITISH THERMAL UNITS/HOUR
CLG	CEILING
CO	CLEAN OUT
CP	CONDENSATE PUMP
CW	DOMESTIC COLD WATER
D	DIAMETER
DN	DRAIN
DN	DOWN
DP	DIFFERENTIAL PRESSURE
E.C.	ELECTRICAL CONTRACTOR
ECC	ENGINEERING CONTROL CENTER
EMD	END OF MAIN DRIP (STEAM)
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EXIST	EXISTING
FC	FLEXIBLE CONNECTION
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FLR	FLOOR
FPC	FIRE PROTECTION CONTRACTOR
G.C.	GENERAL CONTRACTOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
G.SAN	"GREASE LADEN" SANITARY DRAINAGE PIPE
H.C.	HVAC CONTRACTOR
HP	HORSE POWER
HTWR	HIGH TEMP. HOT WATER RETURN PIPE (140°F)
HTWS	HIGH TEMP. HOT WATER PIPE (140°F)
HW	DOMESTIC HOT WATER PIPE (120°F)
HWR	DOMESTIC HOT WATER RETURN PIPE (120°F)
LBS/HR	POUNDS PER HOUR
LF	LINEAR FEET
MAX.	MAXIMUM
MBH	ONE THOUSAND BTUH
MER	MECHANICAL EQUIPMENT ROOM
MIN.	MINIMUM
MV	MEDICAL VACUUM
NOM.	NOMINAL
O	OXYGEN
P	PUMP
P.C.	PLUMBING CONTRACTOR
PD	PRESSURE DROP (FEET OF WATER)
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE IN.
SAN	SANITARY DRAINAGE PIPE
S.S.	STAINLESS STEEL
ST	STORM DRAINAGE PIPE
UH	UNIT HEATER
U.N.O.	UNLESS NOTED OTHERWISE
V	VENT PIPE
VI	VIBRATION ISOLATOR
VIF	VERIFY IN FIELD
VTR	VENT THROUGH ROOF
WCO	WALL CLEAN OUT
WF	WATER FILTER
WFM	WATER FLOW MEASURING DEVICE
WH	WATER HEATER

PLUMBING DEMOLITION NOTES:

- COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT AREAS TO BE DEMOLISHED.
- REMOVE ALL EQUIPMENT AND PIPING AS INDICATED ON PLAN. REMOVALS SHALL INCLUDE ALL FITTINGS, SUPPORTS AND HANGERS.
- ANY DISCREPANCIES BETWEEN THE DEMOLITION PLANS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER. ANY DEMOLITION WORK WHICH MAY BE QUESTIONABLE DUE TO UNFORESEEN FIELD CONDITIONS SHALL NOT BE REMOVED UNTIL REVIEWED BY THE ARCHITECT, ENGINEER OR BUILDING FACILITIES MANAGER.
- DEMOLITION WORK SHALL INCLUDE THE PREPARATION OF EXISTING EQUIPMENT OR PIPING FOR CONNECTION TO NEW WORK. COORDINATE DEMOLITION WORK WITH THE CONSTRUCTION PLANS.
- ALL EQUIPMENT REMOVALS SHALL BECOME THE PROPERTY OF THIS CONTRACTOR. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER REMOVAL AND DISPOSAL OF DEMOLITION ITEMS OFF-SITE, UNLESS OTHERWISE NOTED.
- ALL CUTTING AND PATCHING NECESSARY FOR THE DEMOLITION WORK SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
- IT SHALL BE THE OWNER'S RESPONSIBILITY TO REMOVE ANY LOOSE EQUIPMENT, FURNITURE, SUPPLIES, ETC. THAT MAY BE LOCATED IN THE AREA OF WORK.
- THE PLANS ARE INTENDED TO CONVEY THE EXTENT AND SCOPE OF THE DEMOLITION WORK. EVERY ITEM INTENDED FOR REMOVAL MAY NOT BE SHOWN. THE CONTRACTOR IS ADVISED TO SURVEY THE PROJECT SITE BEFORE SUBMITTING A BID FOR DEMOLITION WORK.



- NOTES:
- DETAIL IS TYPICAL FOR SINGLE SINK WITH FOOT PEDALS. FOR BACK TO BACK SINKS ON HALF WALL:
 - TEE OFF 3/4" DCW & 3/4" DHW WITH 1/2" PIPES IN WALL TO EACH SINK.
 - RUN 1-1/2" SAN FROM TRAP OF EACH SINK TO WYE, WITH SINGLE 2" SAN DOWN.

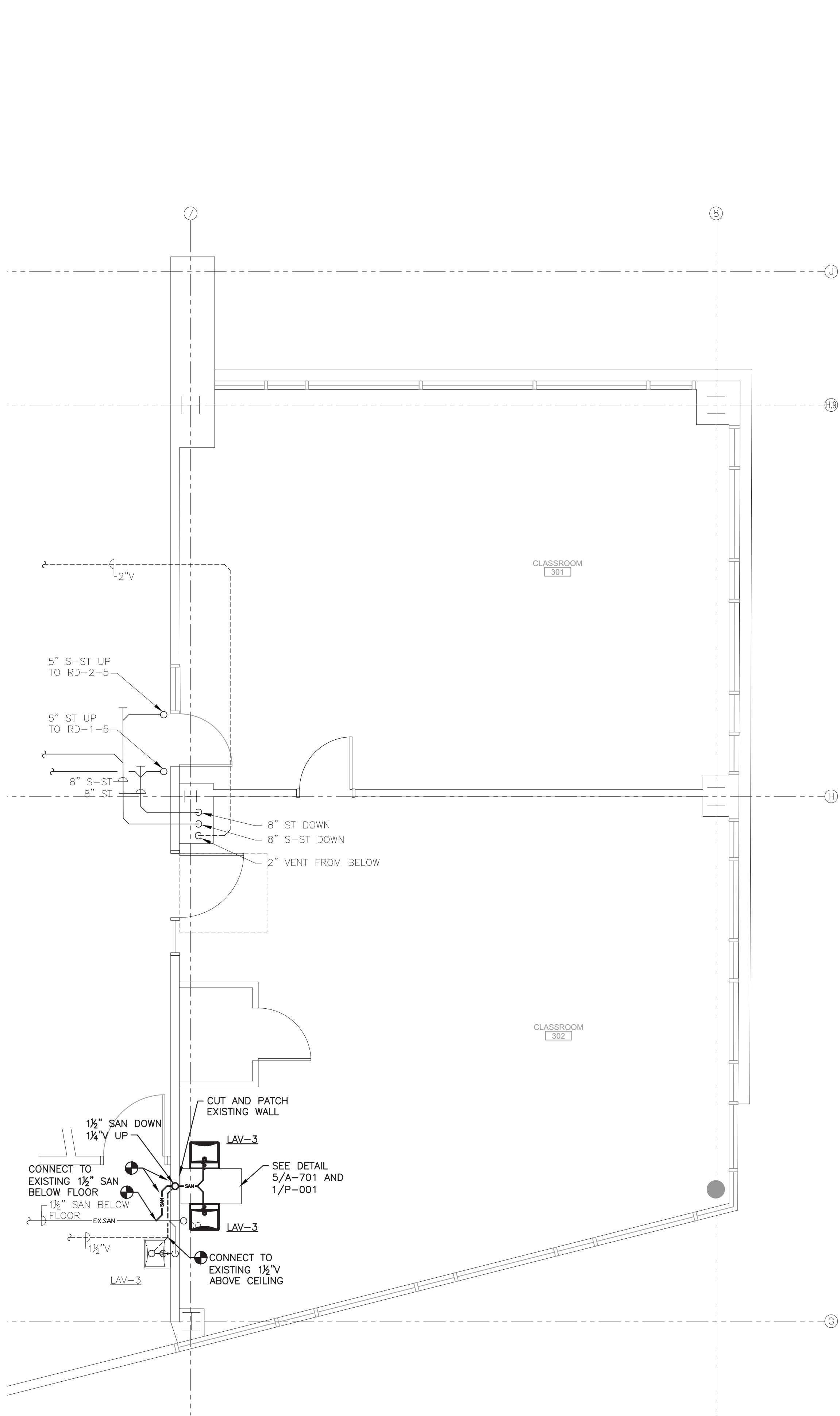
1 NURSING LAV WITH FOOT PEDALS DETAIL

SCALE: 3/4"=1'-0"

PLUMBING FIXTURE SCHEDULE

SYMBOL	TAG	FIXTURE	FIXTURE SPECIFICATION		WATER CONTROL SPECIFICATION		CARRIER	
			DESCRIPTION	MODEL	DESCRIPTION	MODEL	DESCRIPTION	MODEL
	LAV-3	NURSING LAVATORY	"SOHO" STYLE 20"x18" ADA RATED, WALL MOUNTED, VITREOUS CHINA, WITH OVERFLOW AND SINGLE CENTER FAUCET HOLE	KOHLER MODEL K-2084	WALL MOUNTED DOUBLE PEDAL VALVE, 1/2" DCW 1/2" DHW INLETS, 1/2" OUTLET TO FAUCET WITH ANGLE STOPS & TOP MOUNTED VOLUME CONTROL, 1/2" DECKMOUNTED GOOSENECK RIGID SPOUT AND AERATOR.	T-5 BRASS MODEL B-0504-OI & B-0521	ADJUSTABLE FLOOR MOUNTED CARRIER WITH STEEL UPRIGHTS AND WELDED FEET, CAST IRON ADJUSTABLE HEADERS, CONCEALED ARMS, STEEL SLEEVES, AND MOUNTING FASTENERS.	ZURN Z1231

REV #	DATE	REMARKS:	ISSUE #	DATE	ISSUED FOR:
<div>1/8" 1/4" 1/2" 0 1" 2"</div> <div>REFERENCE SCALE</div>					
UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW. FELLENER ENGINEERING, LLP CERTIFICATE OF AUTHORIZATION #: 0017795					
<div>FELLENER ENGINEERING LLP</div> <div>22 Mulberry St., Suite 2A, Middletown, NY 10940 1845-343-1481 fx 845-343-4986</div> <div>181 Church St., Suite 100, Poughkeepsie, NY 12601 t 845-454-9704 fx 855-320-8735</div>					
STAMP:		PROJECT TITLE:			
<div>10/27/23 FOR BID</div>		SUNY ORANGE NEWBURGH CAMPUS NURSING LAB #3 AT KAPLAN HALL ONE WASHINGTON CENTER, NEWBURGH, NY			
		DRAWING TITLE: PLUMBING & FIRE PROTECTION: SYMBOLS, NOTES & ABBREVIATIONS			
		DESIGNED BY: EDF	DRAWN BY: SL	APPROVED BY: PM:	APPROVED BY: PIC: EDF
		DATE: 10/27/23	SCALE: AS SHOWN	FE PROJECT #:	23-196
				P-001	
				PAGE 6 OF 11	



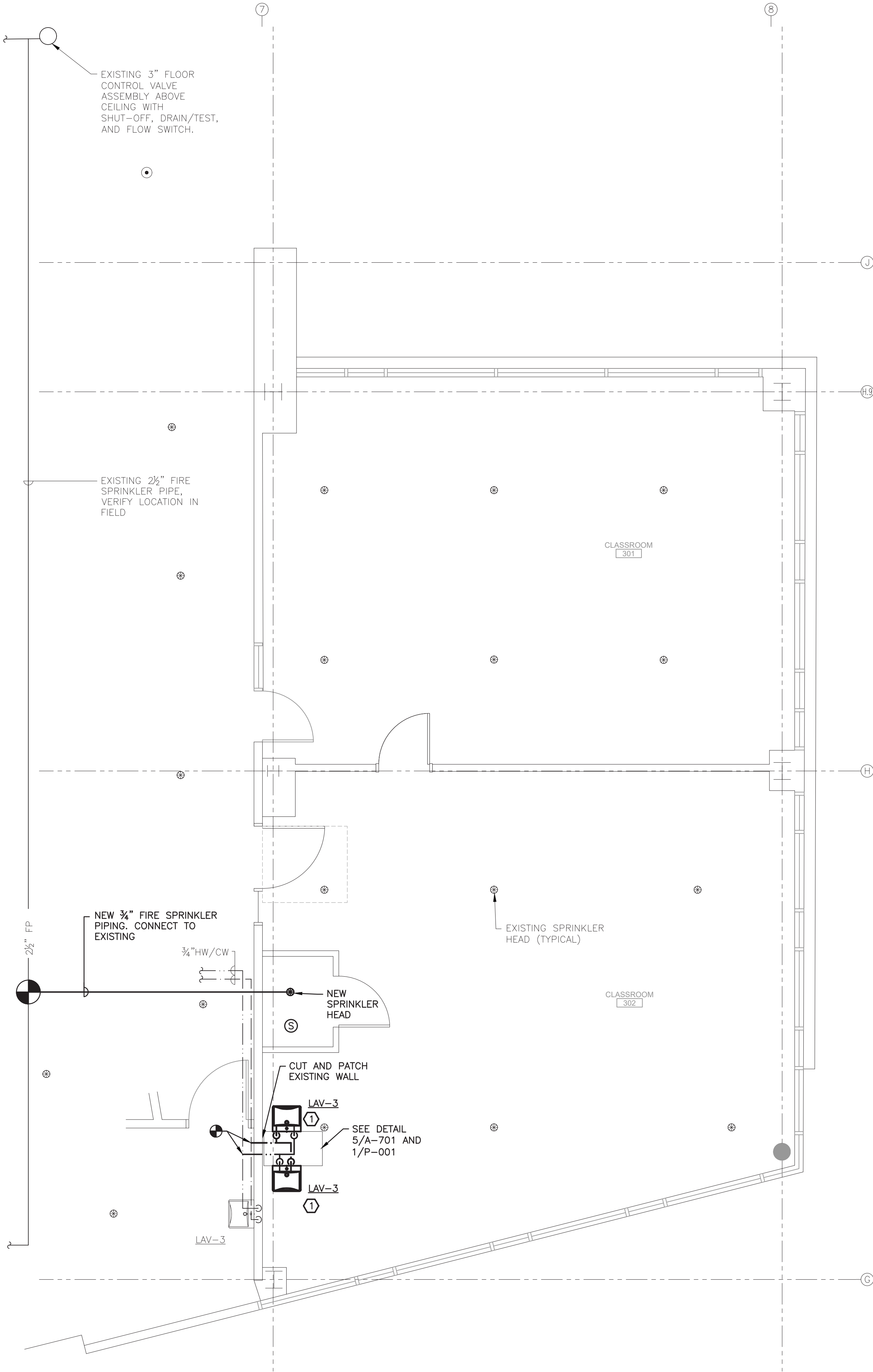
PLUMBING: 3RD FLOOR

1 NEW CONSTRUCTION SANITARY PLAN

SCALE: 1/4"=1'-0"

KEYED NOTE:

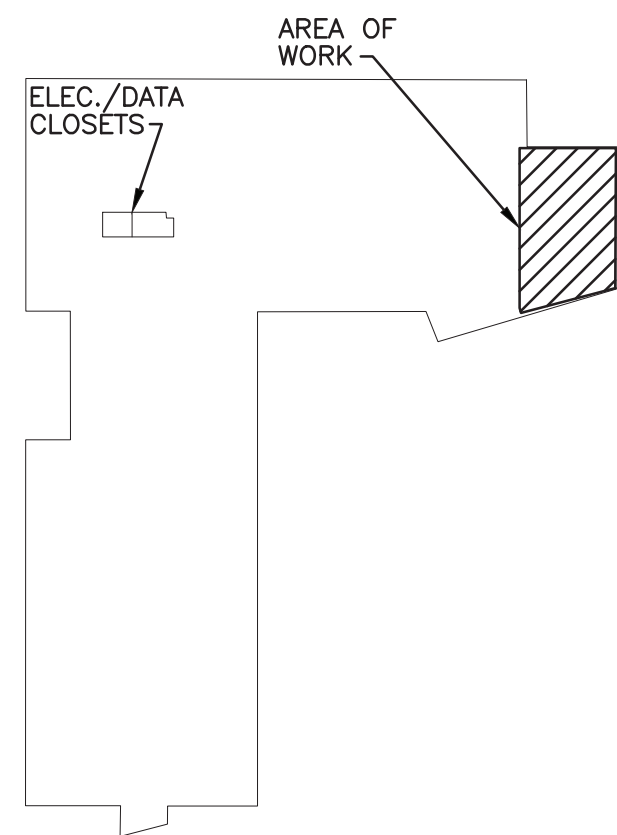
- ① CLINICAL SINK (LAV-3):
- 1/2" SAN WITH OFFSET TRAP
 - 1/2" V UP
 - 1/2" CW AND 1/2" HW DOWN INSIDE WALL TO FOOT PEDALS
 - PROVIDE ISOLATION VALVES
 - REFER TO DETAIL 1/P-001 AND 5/A-701



PLUMBING & FIRE PROTECTION: 3RD FLOOR

2 NEW CONSTRUCTION DOMESTIC PLAN

SCALE: 1/4"=1'-0"



KEYPLAN:
N.T.S.
