

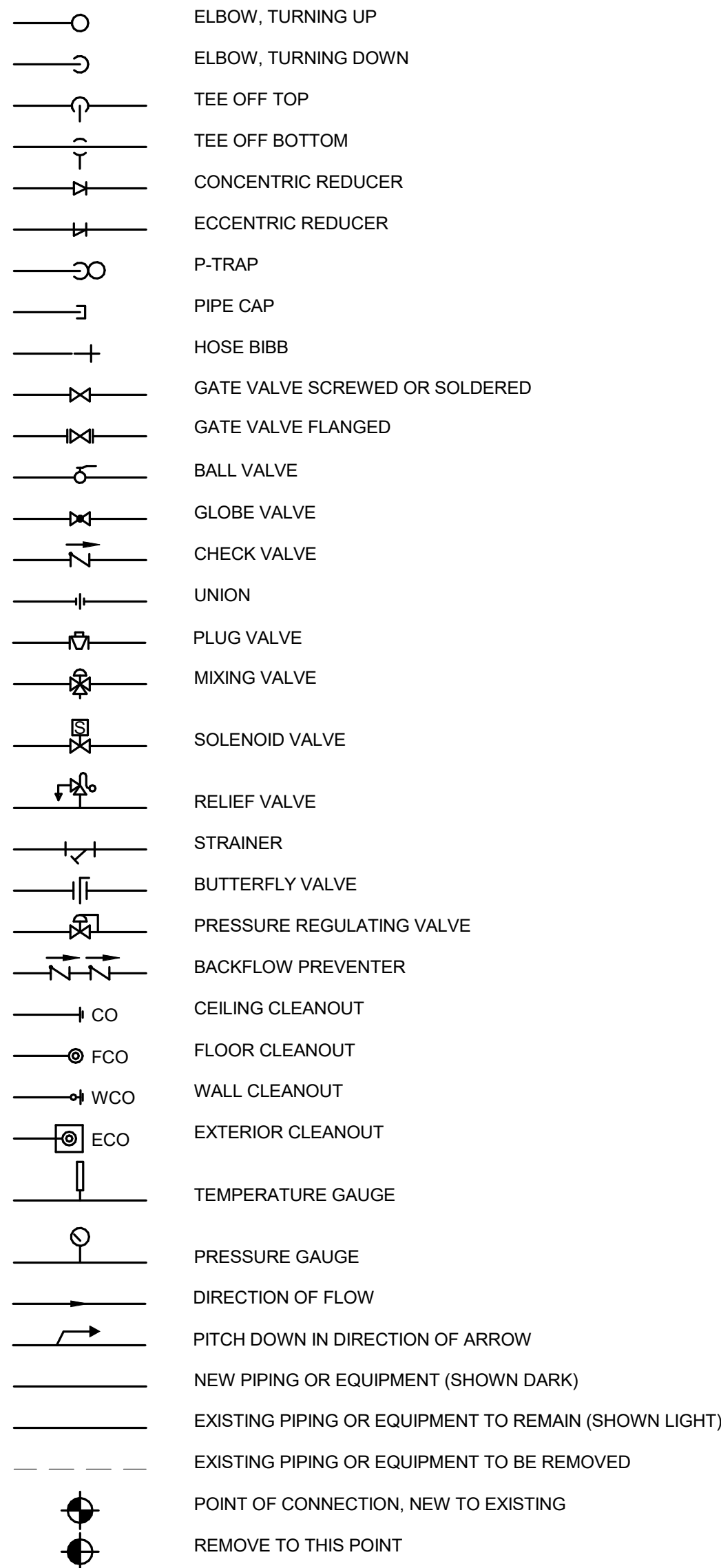
PLUMBING INSULATION SCHEDULE				
APPLICATION	INSULATION LOCATION	THICKNESS	INSULATION TYPE	COMMENTS / REMARKS
DOMESTIC COLD WATER	ALL SIZES	1"	FIBERGLASS WITH ALL SERVICE JACKET	
DOMESTIC HOT WATER AND HOT WATER RETURN (105-140 DEG. F.)	UP TO 1-1/4"	1"	FIBERGLASS WITH ALL SERVICE JACKET	
DOMESTIC HOT WATER AND HOT WATER RETURN (105-140 DEG. F.)	1-1/2" TO 3-1/2"	1.5"	FIBERGLASS WITH ALL SERVICE JACKET	
FLOOR DRAINS RECEIVING COIL CONDENSATE	ALL SIZES	1"	FIBERGLASS WITH ALL SERVICE JACKET	
STORM LEADERS AND OVERFLOW DRAINS	ALL SIZES	1"	FIBERGLASS WITH ALL SERVICE JACKET	

SYSTEM	SYMBOL	PIPE	FITTINGS / JOINTS
SANITARY WASTE & VENT PIPING (BELOW SLAB/GRADE)	SAN & V	CAST IRON HUBLESS PIPE, TYPE DWV, ASTM A74, ASTM A888, CISPI 301.	CAST IRON HUBLESS PIPE, TYPE DWV, ASTM A74, ASTM A888, CISPI 301. JOINT SURFACES SHALL BE CLEAN AND FREE FROM MOISTURE. HEAVY DUTY SHIELDED COUPLINGS MEETING CISPI 310, WITH STAINLESS STEEL SHIELD AND NEOPRENE.
SANITARY WASTE & VENT PIRING (ABOVE SLAB/GRADE)	SAN & V	CAST IRON HUBLESS PIPE, TYPE DWV, ASTM A74, ASTM A888, CISPI 301.	CAST IRON HUBLESS PIPE, TYPE DWV, ASTM A74, ASTM A888, CISPI 301. JOINT SURFACES SHALL BE CLEAN AND FREE FROM MOISTURE. HEAVY DUTY SHIELDED COUPLINGS MEETING CISPI 310, WITH STAINLESS STEEL SHIELD AND NEOPRENE.
DOMESTIC WATER PIPING (BELOW SLAB/GRADE)	CW, HW & HWR	SEAMLESS COPPER WATER TUBE, DRAWN TEMPERED, TYPE K, ASTM B88	WROUGHT COPPER SOLDER CUP TYPE FITTINGS, ANSI/ASME B16.22 OR B16.18. ASTM B32 LEAD-FREE SOLDER WITH ASTM B813 WATER SOLUBLE FLUX.
DOMESTIC WATER PIPING (ABOVE SLAB/GRADE)	CW, HW & HWR	SEAMLESS COPPER WATER TUBE, DRAWN TEMPERED, TYPE L, ASTM B88	WROUGHT COPPER SOLDER CUP TYPE FITTINGS, ANSI/ASME B16.22 OR B16.18. ASTM B32 LEAD-FREE SOLDER WITH ASTM B813 WATER SOLUBLE FLUX.

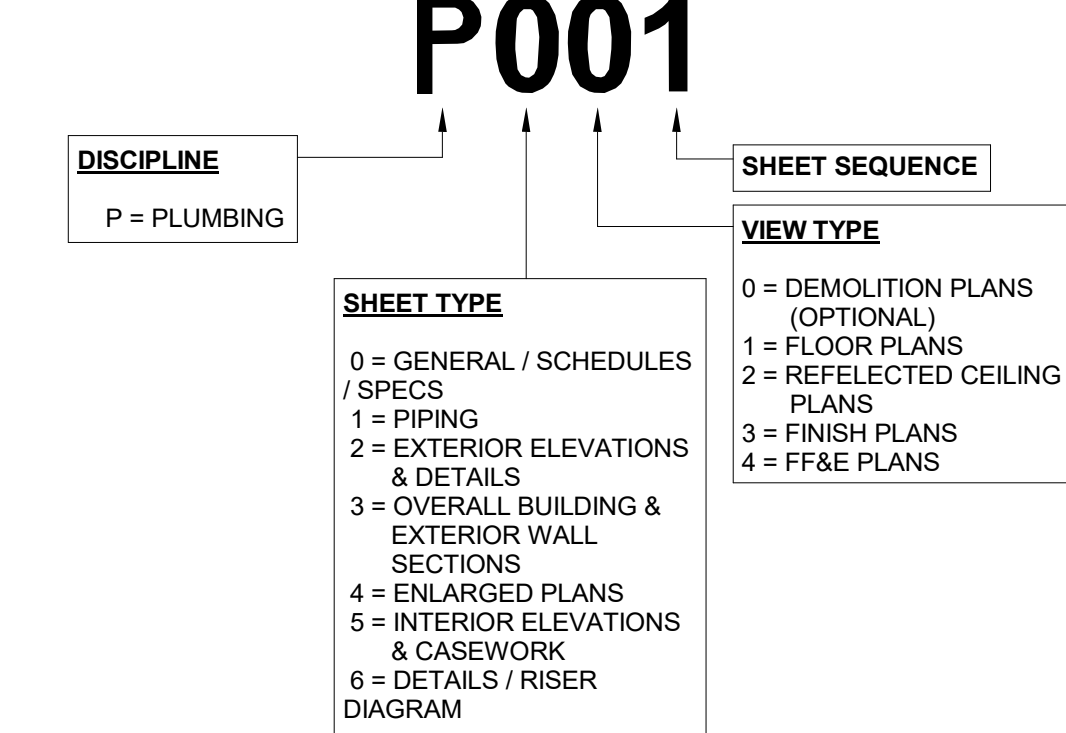
GENERAL SCHEDULE NOTES:  
• ANY DEVIATION FROM THE ABOVE STANDARDS SHALL BE PROVIDED WITH A SIGNED WAIVER FROM VIRGINIA TECH.

PLUMBING DRAIN SCHEDULE							
TYPE	BODY MATERIAL	COMBINATION FLASHING	DOME MATERIAL	UNDERDECK CLAM	SUMP RECIEVER	WATER DAM	REMARKS
FD-01	CAST IRON	REQUIRED	POLISHED BRONZE STRAINER	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	JAY R. SMITH 2005
FS-01	CAST IRON	REQUIRED	HALF GRATE	NOT REQUIRED	REQUIRED	NOT REQUIRED	

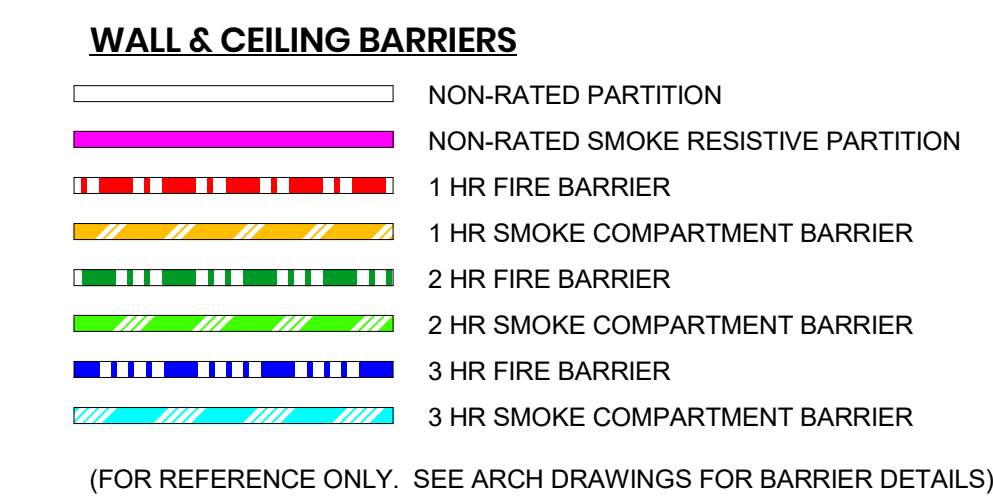
## PLUMBING LEGEND



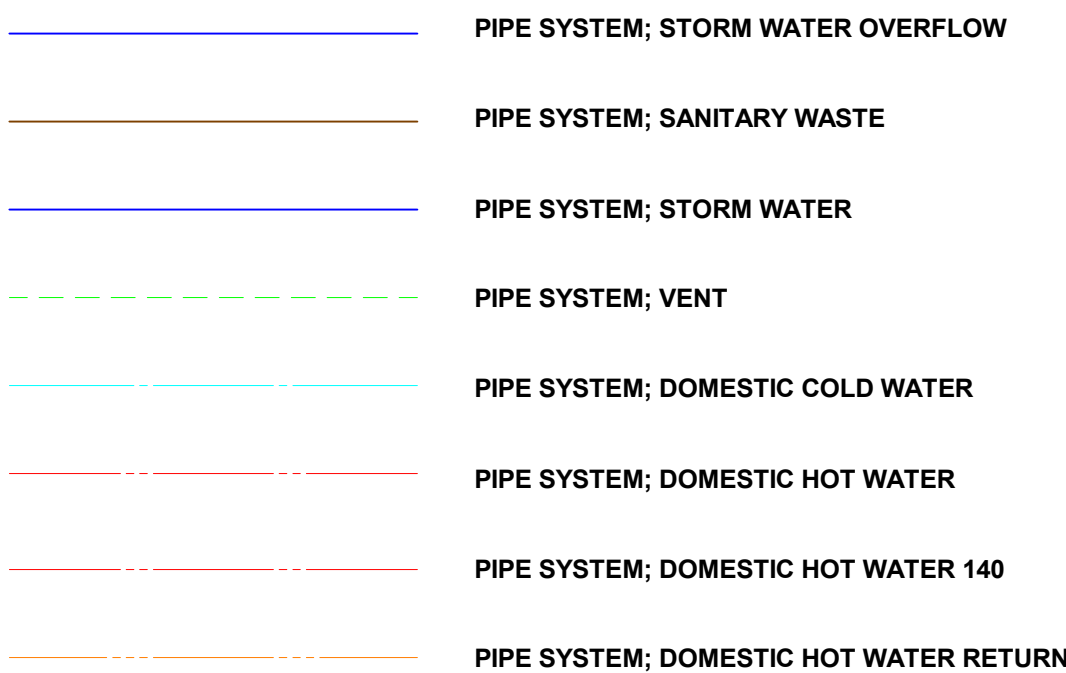
## SHEET NUMBERING - STANDARD



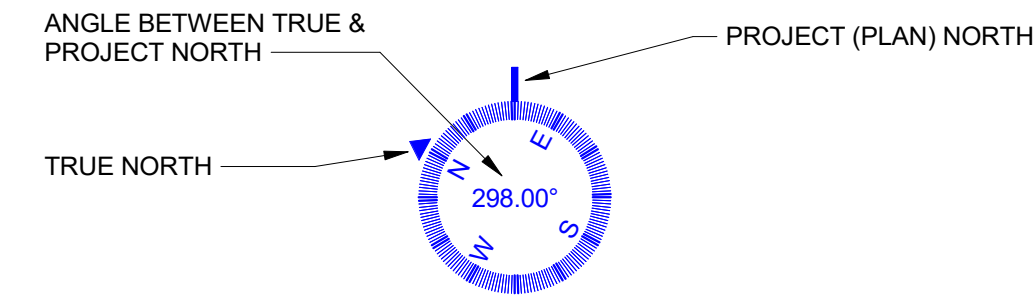
## RATED WALLS



## PLUMBING SYSTEM LEGEND



## PROJECT NORTH, TRUE NORTH



## APPLICABLE CODES - INTERIOR

BUILDING CODE: 2021 VIRGINIA CONSTRUCTION CODE  
PLUMBING CODE: 2021 VIRGINIA PLUMBING CODE  
FUEL GAS CODE: 2021 VIRGINIA FUEL GAS CODE  
ACCESSIBILITY CODE: 2017 VIRGINIA ACCESSIBILITY CODE BASE ON THE A117.1, 2017 / 2010 AMERICAN WITH DISABILITIES ADAAG REQUIREMENTS  
ENERGY CODE: 2021 VIRGINIA ENERGY CODE

## GENERAL PLUMBING NOTES

- ALL WORK SHALL CONFORM TO ALL LOCAL CODES, RULES AND REGULATIONS INCLUDING THE AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES, OSHA ACTS AND REGULATIONS, AND THE REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION.
- THE CONTRACTOR SHALL OBTAIN ALL PERMITS, FEES, AND LICENSES, ETC. REQUIRED TO PERFORM THE WORK. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL LABOR, MATERIAL, AND EQUIPMENT TO PROVIDE COMPLETE AND OPERABLE SYSTEMS. THE WORK SHALL INCLUDE ANY INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE IN ALL RESPECTS AND READY FOR OPERATION.
- WORK SHALL CONFORM TO STANDARD INDUSTRY PRACTICES. ROUTING OF ALL PIPING AS SHOWN ON THE DRAWINGS IS DIAGRAMMATIC ONLY, INTENDING TO SHOW GENERAL FLOW DIRECTIONS OF PIPING, FIXTURES AND SPECIALTIES. IT IS NOT THE INTENT OF THESE DOCUMENTS TO INDICATE ALL OFFSETS AND FITTINGS REQUIRED. GENERALLY, PIPING SHALL BE INSTALLED PARALLEL WITH OR PERPENDICULAR TO WALL CONSTRUCTION. SUPPLY SYSTEMS SHALL BE INSTALLED LEVEL AND PLUMB. GRAVITY SYSTEMS SHALL BE INSTALLED WITH A UNIFORM SLOPE.
- ALL PIPING SHOWN ON PLANS OR INDICATED BY NOTES SHALL BE CONCEALED ABOVE THE CEILING, LOCATED BELOW THE FINISH FLOOR OR CONCEALED IN WALLS OR CHASES, UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL VERIFY ALL CONDITIONS BEFORE STARTING THE WORK AND SHALL NOTIFY THE ARCHITECT IF A CONDITION EXISTS WHICH PREVENTS THE CONTRACTOR FROM ACCOMPLISHING THE INTENT OF THE DRAWINGS. FAILURE TO NOTIFY THE ARCHITECT IN A TIMELY MANNER SHALL MEAN THE CONTRACTOR HAS PROCEEDED AT HIS OWN EXPENSE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF THE PLUMBING WORK WITH ALL OTHER TRADES, INCLUDING STRUCTURAL, MECHANICAL AND ELECTRICAL WORK. THE CONTRACTOR SHALL PROVIDE NECESSARY OFFSETS, TRANSITIONS, PIPE ROUTING, MATERIALS AND LABOR TO ARRANGE EQUIPMENT AND PIPING AS REQUIRED FOR A PROPER AND ACCESSIBLE INSTALLATION WITH MINIMAL CONFLICT. CLOSE COORDINATION WILL BE REQUIRED FOR ALL SERVICES.
- DO NOT LOCATE PLUMBING PIPING, EQUIPMENT, ETC., OVER ELECTRICAL PANELS.
- MATERIALS USED SHALL BE NEW AND FIRST RATE IN QUALITY. CARE SHALL BE TAKEN WITH THE HANDLING AND SETTING OF ALL EQUIPMENT AND MATERIALS. ALL WORK SHALL BE FREE FROM DEFECTS.
- REFERENCE THE ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATIONS OF WALLS, PARTITIONS, PLUMBING FIXTURES AND FOR PARTITION THICKNESS AND CONSTRUCTION MATERIALS. DRAWINGS SHALL NOT BE SCALED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SCRAP MATERIALS AND DEBRIS ASSOCIATED WITH THIS WORK FROM THE SITE.
- PROVIDE FINAL CONNECTIONS TO ALL EQUIPMENT FURNISHED BY THE OWNER AND/OR OTHERS.
- PROVIDE ACCESS PANELS FOR ALL ITEMS REQUIRING ACCESS OR MAINTENANCE INCLUDING SHUT-OFF VALVES, WATER HAMMER ARRESTORS, BALANCING VALVES, ETC.
- PIPE SIZES INDICATED ARE MINIMUM. IF A PIPING MATERIAL IS NOT MANUFACTURED OR OTHERWISE AVAILABLE IN THE SIZE INDICATED THEN THE NEXT LARGER PIPE SIZE SHALL BE PROVIDED AND INSTALLED.
- WHERE PLENUMS ARE USED FOR SUPPLY, RETURN, EXHAUST, RELIEF OR VENTILATION SYSTEMS, MATERIALS WITHIN THE PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL BE LISTED AND LABELED AS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723.

## PLUMBING DEMOLITION NOTES

- PLUMBING CONTRACTOR SHALL VISIT THE JOB SITE AND EXAMINE THE PREMISES BEFORE SUBMITTING THE BIDS. TO THOROUGHLY FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS AND LOCATIONS OF ALL EQUIPMENT. PLUMBING CONTRACTOR SHALL APPRAISE THE REWORKING, REMOVAL AND/OR RELOCATION OF ALL EXISTING EQUIPMENT OR FIXTURES AS REQUIRED OR AS INDICATED ON THE DRAWINGS, AND INCLUDE THE COST OF ALL SUCH WORK IN THE BIDS. FAILURE TO DO SO SHALL NOT BE A CAUSE FOR ANY EXTRA COMPENSATION AFTER AWARD OF THE CONTRACT.
- PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OF EXISTING PIPING, FIXTURES, OR EQUIPMENT DUE TO NEW CONSTRUCTION, AND SHALL RESTORE ANY DAMAGED INTERIOR OR EXTERIOR BUILDING SURFACE TO ITS ORIGINAL CONDITIONS.
- DEMOLITION AND REMOVAL OF WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. THE PLUMBING CONTRACTOR SHALL PATCH, REPAIR OR OTHERWISE RESTORE ANY DAMAGED BUILDING SURFACE TO ITS ORIGINAL CONDITION.
- ALL MATERIALS AND EQUIPMENT SPECIFIED OR INDICATED TO BE REMOVED, BUT NOT REINSTALLED, WILL BECOME THE PROPERTY OF THE OWNER AND SHALL BE PROMPTLY REMOVED TO A LOCATION INDICATED BY THE OWNERS REPRESENTATIVE.
- PLUMBING CONTRACTOR SHALL REMOVE EXISTING SERVICES SUCH AS WATER, WASTE, AND VENT PIPING SERVING FIXTURES AND/OR CONNECTIONS TO EQUIPMENT, WHICH ARE SHOWN ON THE DRAWINGS TO BE REMOVED OR RELOCATED, PERMANENTLY SEAL AND CAP SERVICES NEXT TO THE MAINS ABOVE CEILINGS, IN WALLS OR BELOW FLOORS.
- PLUMBING CONTRACTOR SHALL COORDINATE WITH EXISTING SYSTEMS WHICH SHALL REMAIN IN OPERATION DURING DEMOLITION AND CONSTRUCTION PHASES AND COORDINATE WITH OTHER TRADES TO RELOCATE OR RE-ROUTE EXISTING PIPING AS NECESSARY TO ACCOMMODATE THE NEW WORK AND PROVIDE A COMPLETE WORKING SYSTEM.
- CONTRACTOR SHALL COORDINATE EXISTING CONDITIONS ABOVE THE CEILING WITH ALL DISCIPLINES INVOLVED, SO AS TO AVOID ANY PIPE ROUTING PROBLEMS. PROVIDE OFFSETS AND FITTINGS AS REQUIRED.
- REMOVAL OF PIPING INCLUDES REMOVAL OF ALL SUPPORTS, HANGERS, AND FASTENERS. PENETRATIONS LEFT BY THE REMOVAL OF PIPING SHALL BE PATCHED TO REMOVE THE APPEARANCE OF DEMOLITION. EXISTING PIPING NOT SHOWN TO BE REMOVED SHALL BE PROTECTED DURING CONSTRUCTION. LEAKS IN PIPING RESULTING FROM DAMAGE DURING CONSTRUCTION SHALL BE PROMPTLY REPAIRED BY PLUMBING CONTRACTOR.

## SHEET LAYOUT

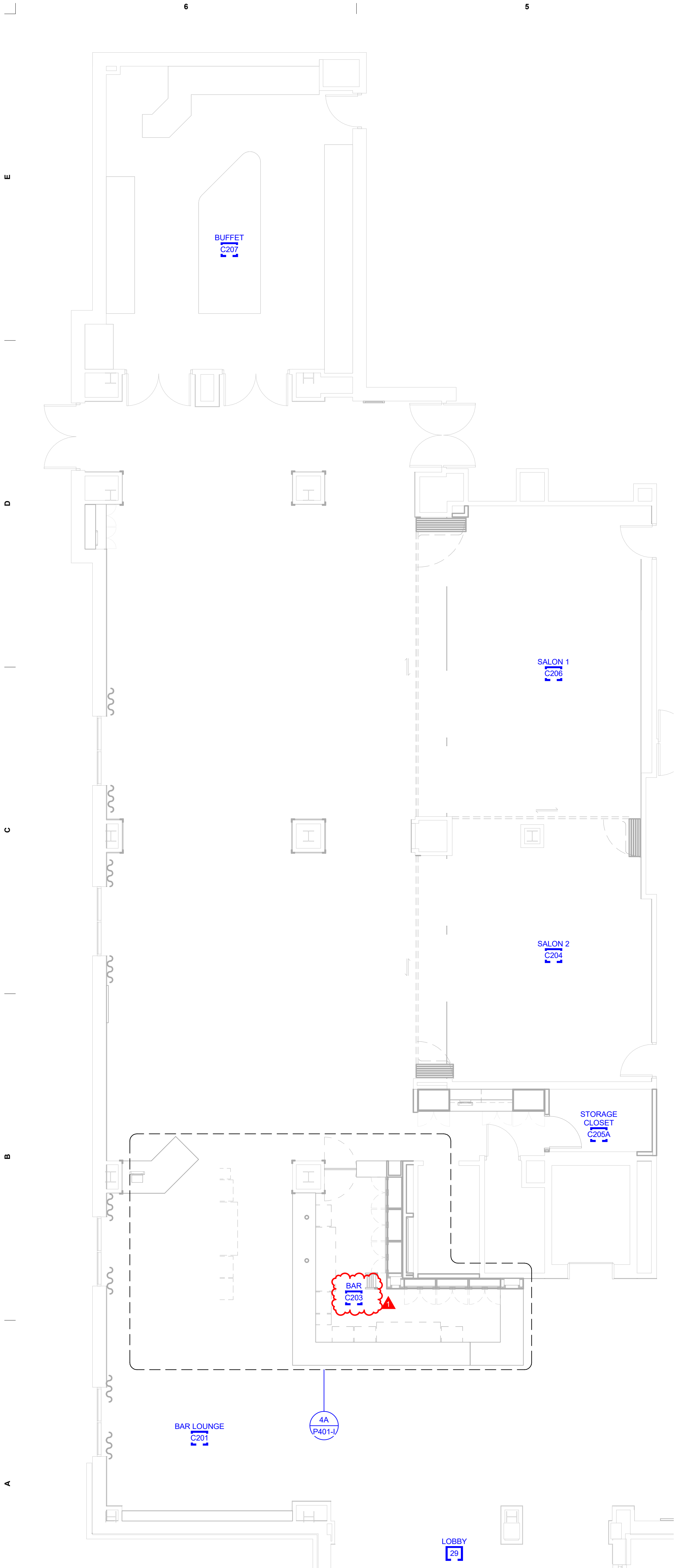
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D	6D	5D	4D	3D	2D	1D
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B	6B	5B	4B	3B	2B	1B
A	6A	5A	4A	3A	2A	1A

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ISSUE  
07/25/2025 -  
WORKING DOCUMENTS

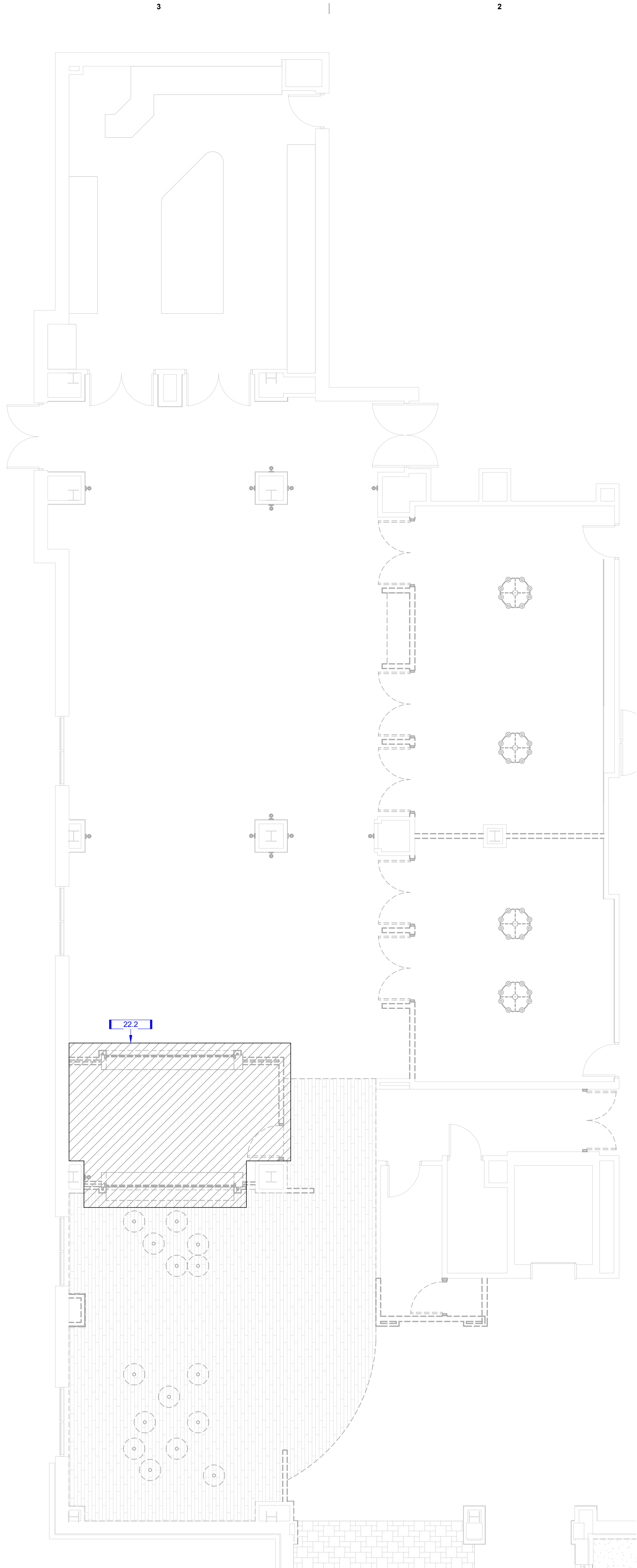
PLUMBING LEGENDS,  
ABBREVIATIONS AND  
GENERAL NOTES

P001-I





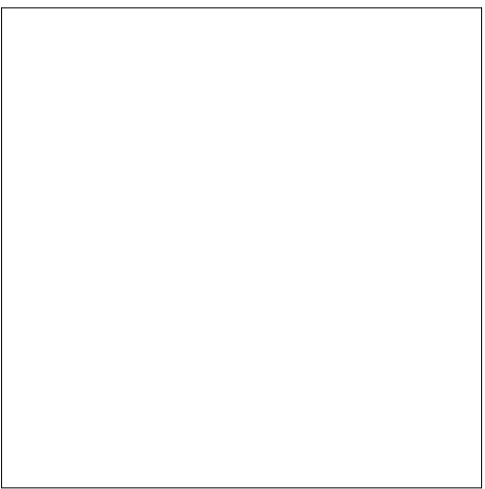
**6A** ENLARGED RESTAURANT – NEW WORK  
SCALE: 3/16"=1'-0"



**3A** ENLARGED RESTAURANT – DEMOLITION  
SCALE: 3/16"=1'-0"

**KEY NOTES**

22.2 ALL PLUMBING FIXTURES AND ACCESSORIES IN THE HATCHED REGION TO BE REMOVED. REMOVE ALL WASTE PIPING TO BELOW FLOOR AND CAP. REMOVE ALL VENT PIPING BACK TO ABOVE CEILING AND/OR MAIN VENT PIPE AND CAP. REMOVE ALL DOMESTIC WATER BACK TO MAIN AND CAP.



BASKERVILL, P.O. BOX 400, RICHMOND, VA 23218-0400



PROJECT NUMBER  
**2.230029.0**

**THE INN AT VIRGINIA  
TECH**

801 PRICES FORK RD  
BLACKSBURG, VA 24061

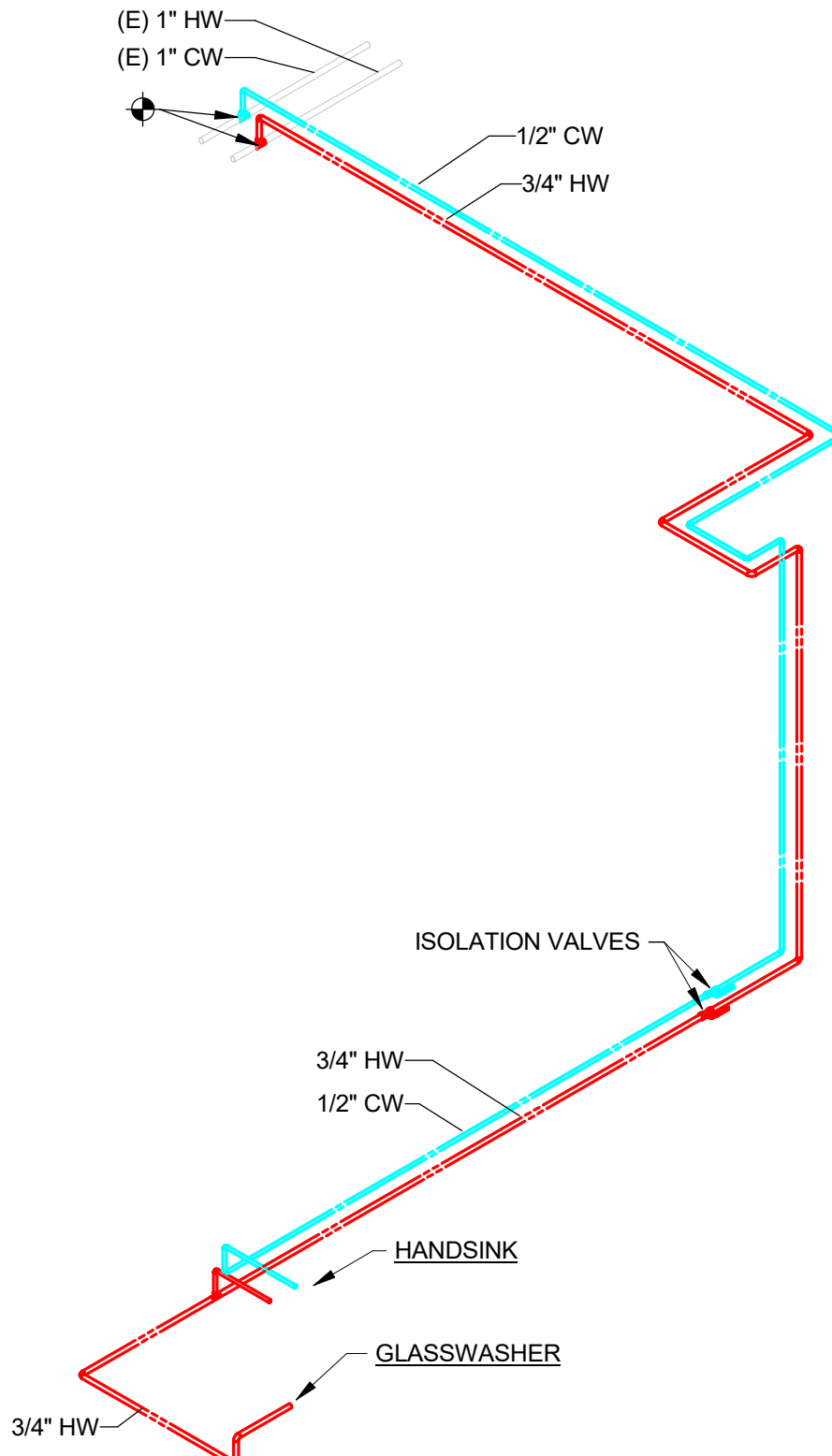
1 07/25/2025 REVISION 1  
ISSUE  
**07/25/2025 -  
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**PARTIAL 2ND FLOOR PLAN  
- PLUMBING**

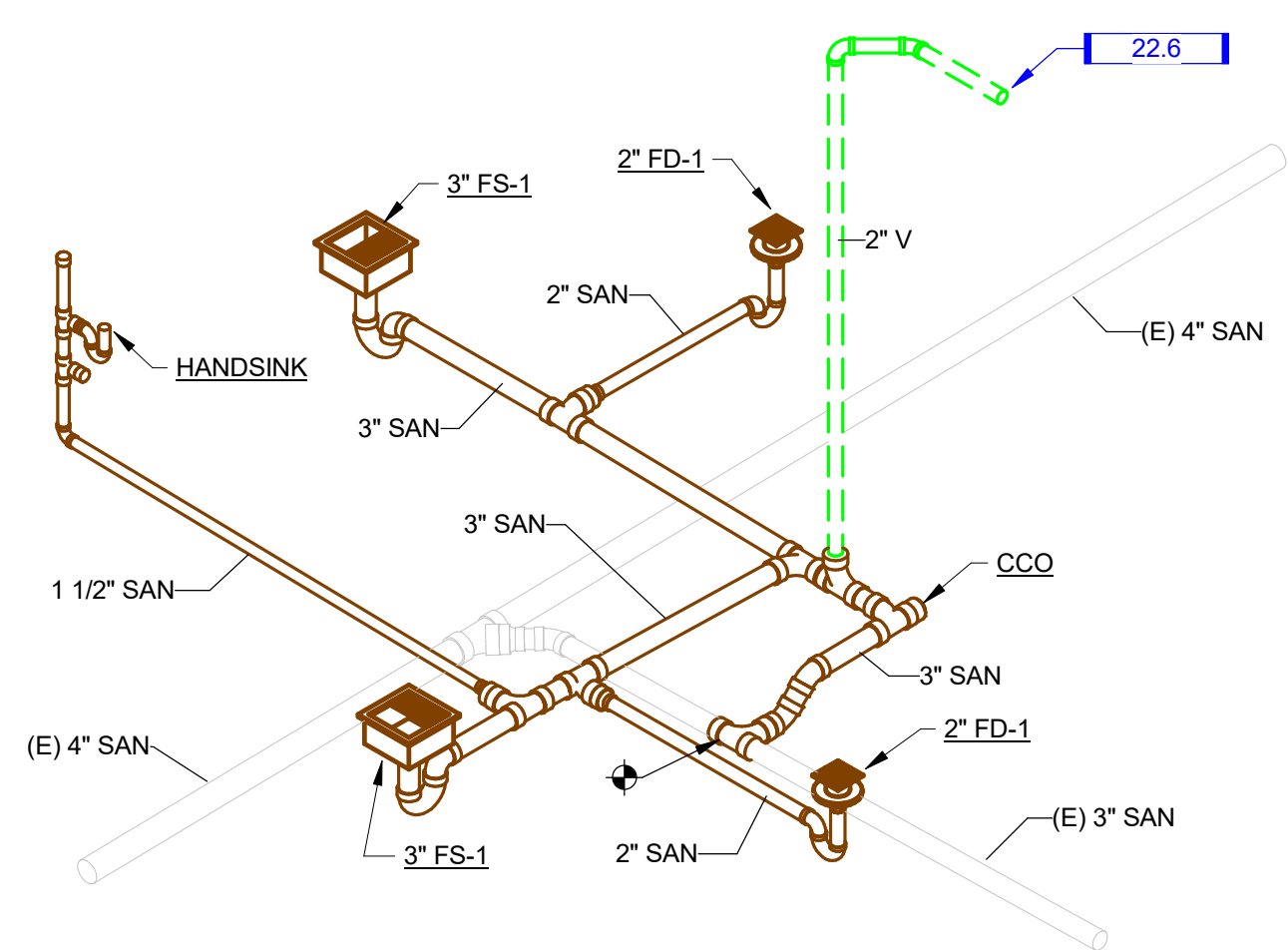
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KEY NOTES

22.6 ROUTE NEW 2" VENT TO NEARBY EXISTING VENT 2" OR LARGER AND CONNECT.



4C DOMESTIC WATER RISER DIAGRAM  
SCALE:



2C WASTE & VENT RISER DIAGRAM  
SCALE:

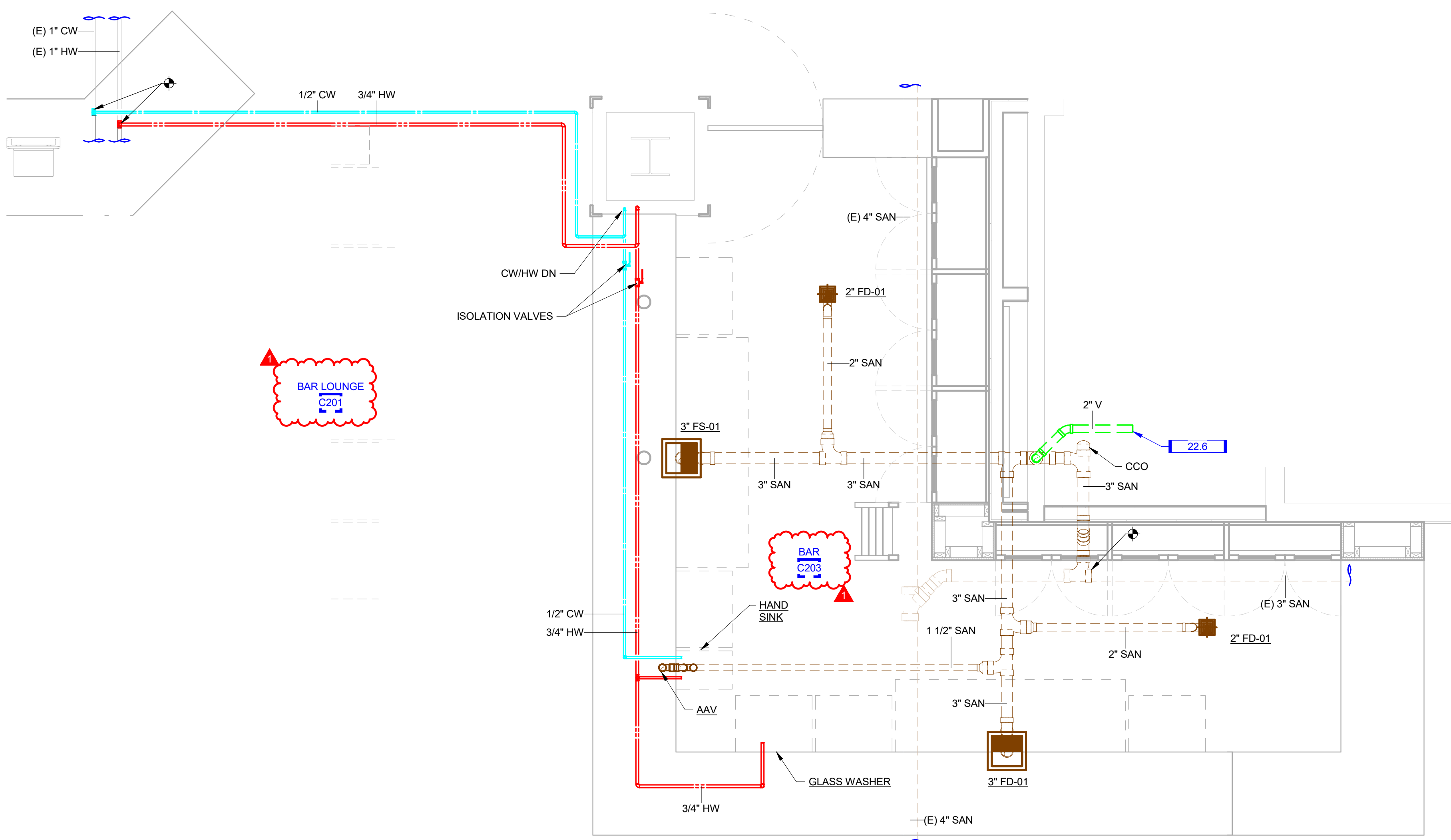
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4A ENLARGED PLAN - BOOKMAN BAR  
SCALE: 1/2" = 1'-0" DRAWING REF: PTH-1

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ENLARGED PLAN -  
PLUMBING

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