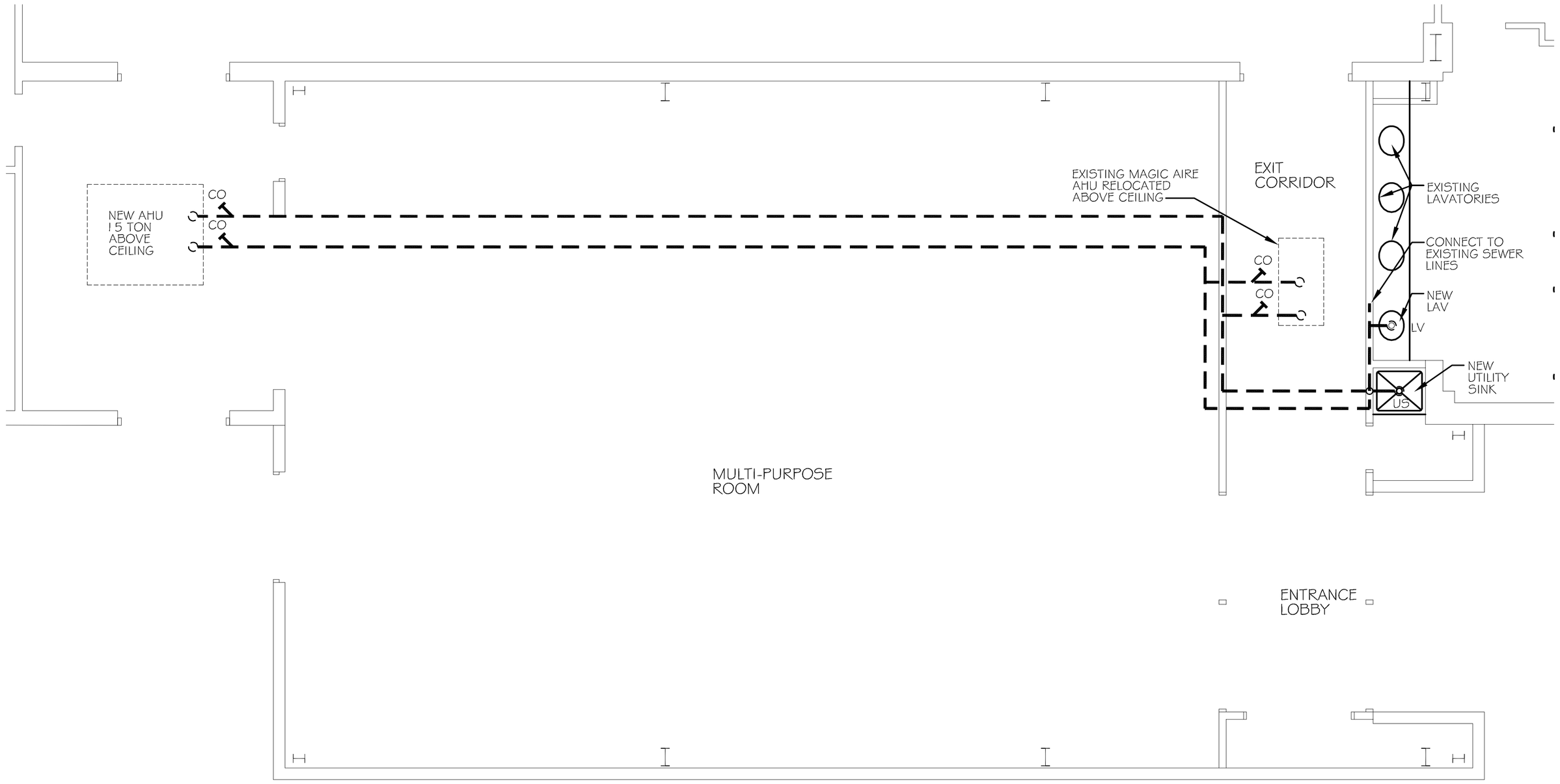
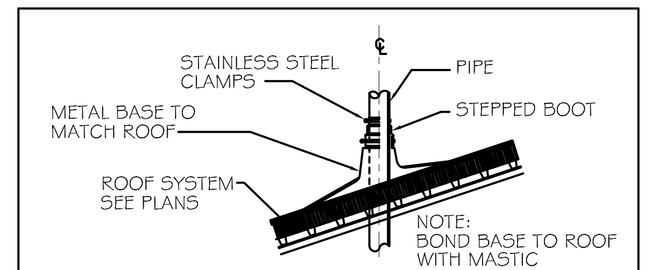


PLUMBING PLAN

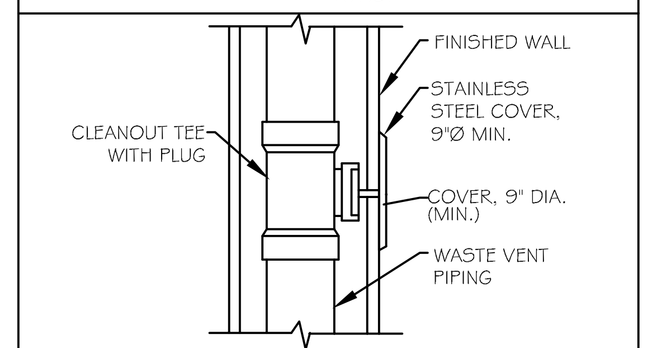
SCALE: 1/4"= 1'-0"

PLUMBING FIXTURE SCHEDULE							
MARK	DESCRIPTION	TYPE	ROUGH-IN-SIZES				NOTES
			WASTE	VENT	CW	H.W.	
LV	LAVATORY	DROP-IN TO MATCH EXISTING	2"	2"	1/2"	1/2"	
US	UTILITY SINK	FLOOR SINK	2"	2"	1/2"	1/2"	
AHU	AHU DRAIN	-	2"	2"	-	-	



VENT THRU ROOF DETAIL

N.T.S.



WALL CLEANOUT DETAIL

N.T.S.

PLUMBING GENERAL NOTES

A. PLUMBING CONTRACTOR (P.C.) IS TO FURNISH AND INSTALL ALL FIXTURES FOR A COMPLETE OPERATING SYSTEM. THE SYSTEM SHALL INCLUDE HOT AND COLD WATER PIPING, SEWER AND VENT PIPING, INSULATION, WATER HEATER, HANGERS, VALVES & SUPPORTS WITHOUT ANY RESTRICTIONS TO VOLUME.
B. P.C. SHALL PAY ALL NECESSARY FEES FOR UTILITY CONNECTIONS.
C. ALL HANDICAP PLUMBING FIXTURES SHALL BE INSTALLED TO COMPLY WITH STATE AND LOCAL CODES. P.C. SHALL FURNISH AND INSTALL CODE COMPLIANT TRAP WRAP ON ALL EXPOSED WATER & WASTE LINES FOR ALL HANDICAP ACCESSIBLE DEVICES.
D. P.C. SHALL VERIFY ALL ELEVATIONS AND SIZES PRIOR TO COMMENCING ANY WORK. PLUMBER TO VERIFY SLAB CONDITIONS (POST TENSION OR CONVENTIONAL) BEFORE COMMENCING WORK. WHERE A RENOVATION IS TO OCCUR; THE PLUMBING CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF DEMOLITION REQUIRED, PRIOR TO SUBMITTING BID.
E. PLUMBING CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS TO THE GENERAL CONTRACTOR PRIOR TO FINAL PAYMENT.
F. ALL WORK SHALL BE INSTALLED TO COMPLY WITH LOCAL & STATE PLUMBING CODE REQUIREMENTS, AND PER LOCAL HEALTH DEPARTMENT REQUIREMENTS.
G. THE HOT WATER PRESSURE RELIEF MUST BE CONNECTED EITHER INDIRECTLY TO THE SANITARY SEWER OR DIRECTLY OUTSIDE.
H. TEST ALL PIPING AT REQUIRED PRESSURE.
I. ALL PLUMBING SHALL BE CLOSELY COORDINATED WITH STRUCTURAL SYSTEM, MECHANICAL SYSTEM AND ELECTRICAL TO INSURE NO TRADES WILL CONFLICT WITH EACH OTHER.
J. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DOORS, WINDOWS, WALLS, FIXTURES, ETC.
K. ALL WATER MAINS AND PIPING NOT SHOWN FOR CLARITY, ALL LOCATIONS SHALL BE FIELD VERIFIED. ALL PLUMBING LINES SHOWN ARE DIAGRAMATIC.
L. ALL ELECTRICAL, MECHANICAL & PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)

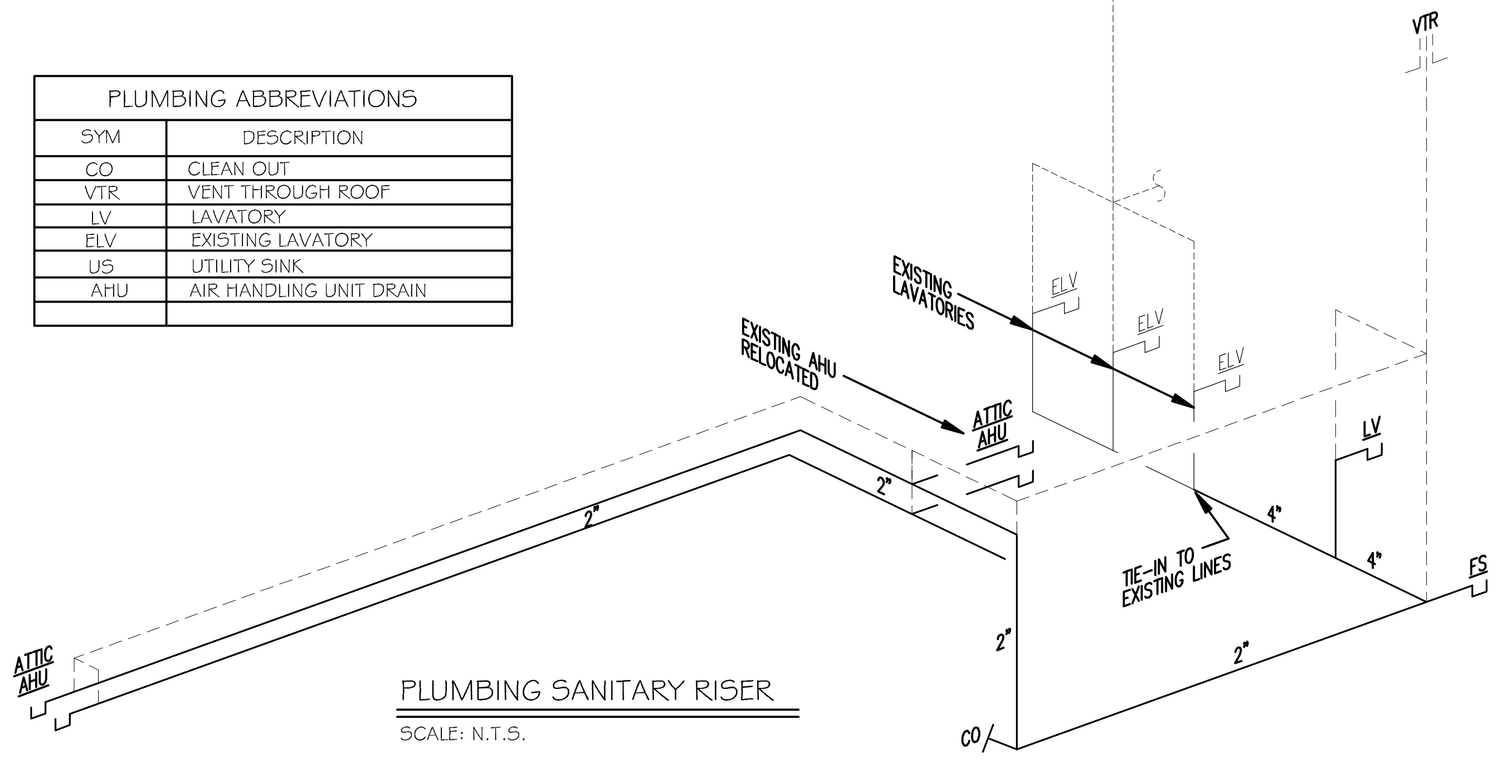
WASTE AND VENT PIPING:

A. PLUMBING CONTRACTOR SHALL USE SERVICE WEIGHT CAST IRON PIPE WITH BELL AND SPIGOT ENDS AND ONE PIECE NEOPRENE INSERT TYPE GASKET. USE PVC SCHEDULE 40 OR ABD DWV PIPES AND FITTINGS WHERE PERMITTED BY CODE. ALL PIPING ABOVE GRADE MAY HAVE HUBLESS FITTINGS. PLASTIC PIPING SHALL NOT BE USED IN RETURN AIR PLENUM. COORDINATE THIS REQUIREMENT WITH HVAC CONTRACTOR PRIOR TO INSTALLATION.
B. CONTRACTOR SHALL FIELD VERIFY INVERT ELEVATIONS OF ALL EXISTING & NEW SANITARY SEWERS PRIOR TO ROUGH-IN.
C. NEW SEWERAGE LINES 3-INCH AND SMALLER SHALL BE SLOPED 1/4" PER FOOT AND LINES 4-INCH AND LARGER SHALL BE SLOPED 1/8" PER FOOT.
D. ELEVATION OF ALL FLOOR DRAINS SHALL BE HELD 1/2" BELOW FINISH FLOOR TILE.
E. ALL CLEANOUTS SHALL BE INSTALLED FLUSH WITH FINISHED GRADE/FINISHED FLOORS.
F. HOLD ALL PLUMBING VENTS A MINIMUM OF 10'-0" FROM OUTSIDE AIR INTAKES. WHERE STATE OR LOCAL CODES REQUIRE MORE SEPARATION, P.C. SHALL OFFSET TO MEET THE MORE STRINGENT CODE ON HVAC EQUIPMENT. COORDINATE LOCATION WITH M.C.

WATER PIPING:

A. POTABLE WATER PIPING AND FITTINGS ABOVE GRADE SHALL BE ASTM B88 COPPER WATERTUBE, TYPE "L". HARD DRAWN WITH COPPER PRESSURE TYPE FITTINGS, ANSI B16.22. THE JOINTS SHALL BE SOLDERED TYPE USING ASTM B32, ALLOY GADE 95A (95-5) SOLDER. DOMESTIC WATER PIPING BELOW GRADE SHALL BE TYPE "K" SOFT TEMPERED COPPER. NO JOINTS SHALL BE ALLOWED BELOW SLAB.
B. INSTALL 1" FOAM RUBBER INSULATION ON ALL HOT AND COLD WATER PIPING ABOVE AND BELOW GRADE. ALL JOINTS IN INSULATION ARE TO BE TAPED.
C. ALL DOMESTIC WATER PIPING SHALL BE DISINFECTED PRIOR TO USE BY BUILDING OCCUPANT. PLUMBING CONTRACTOR SHALL DISINFECT PER REQUIREMENTS OF LOCAL HEALTH DEPT., STATE/LOCAL PLUMBING CODE.
D. ALL PLUMBING HOSE BIBS OR VALVES WITH THREADED CONNECTIONS SHALL BE PROVIDED WITH VACUUM BREAKERS AND APPROVED MEANS OF BACK-FLOW PREVENTION AS REQUIRED BY STATE AND LOCAL CODES.
E. PROVIDE SHUT-OFF VALVES ON ALL EQUIPMENT AND STOP COCKS IN HOT AND COLD WATER PIPING FIXTURES.
F. PLUMBING CONTRACTOR SHALL PROVIDE DIELECTRIC UNIONS AT ALL PIPING CONNECTIONS WHERE DISSIMILAR PIPING IS JOINED.
G. PROVIDE WATER HAMMER ARRESTORS AND SHUT-OFF VALVES WITH STOP COCKS FOR ALL HOT AND COLD WATER PIPING FIXTURES.
H. ALL HOT AND COLD WATER, WASTE, AND VENT PIPING TO BE SUPPORTED PER LOCAL PLUMBING CODE.
I. IPROVIDE TEMPERED HOT WATER DEVICES, SET TO 110° F.

PLUMBING ABBREVIATIONS	
SYM	DESCRIPTION
CO	CLEAN OUT
VTR	VENT THROUGH ROOF
LV	LAVATORY
ELV	EXISTING LAVATORY
US	UTILITY SINK
AHU	AIR HANDLING UNIT DRAIN



PLUMBING SANITARY RISER

SCALE: N.T.S.

in joint venture with:

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REVISIONS	BY

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DRAWN	J.T.L.
CHECKED	C.K.D.
DATE	6/6/14
SCALE	NOTED
JOB NO.	
SHEET	P-1
OF	SHEETS