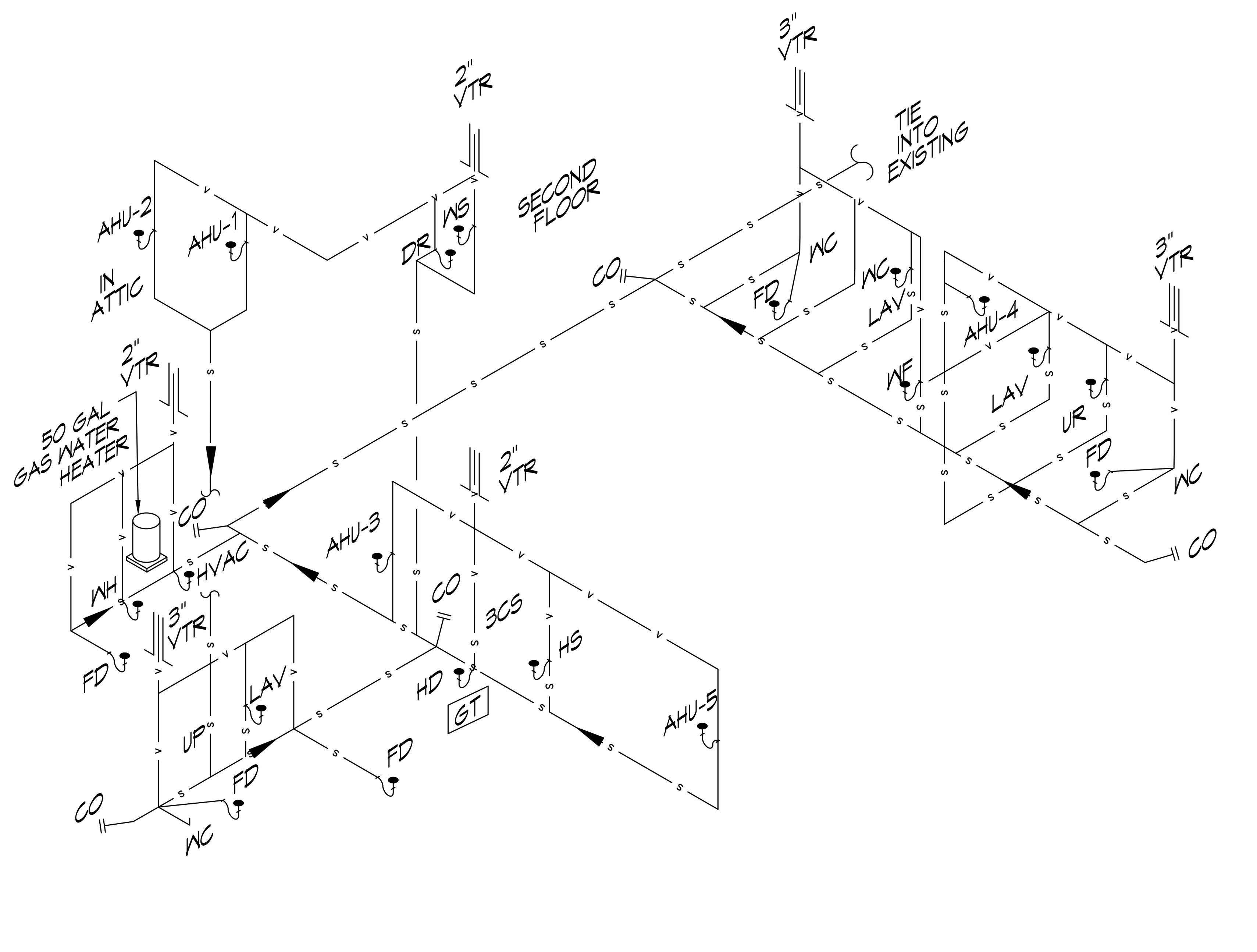
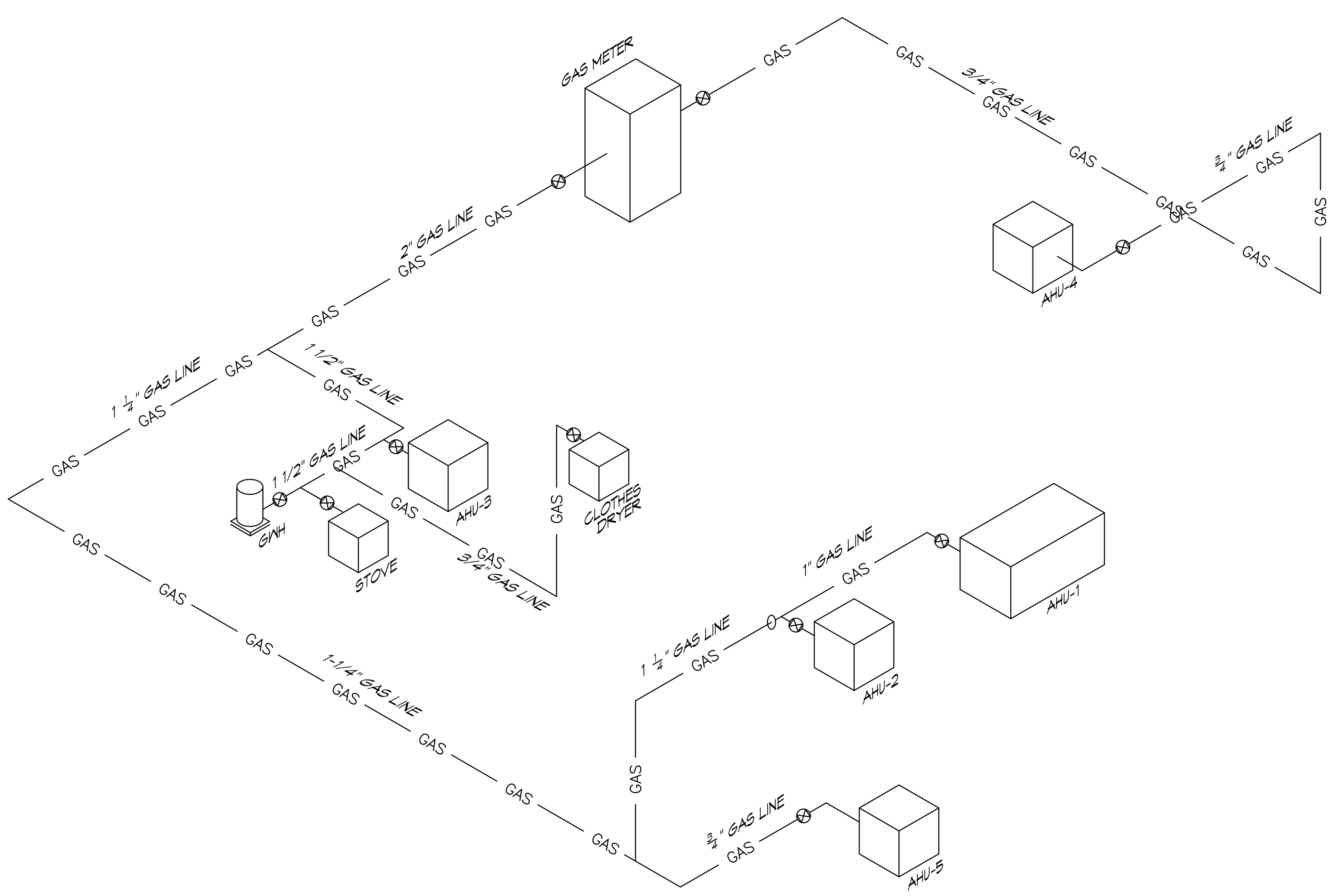
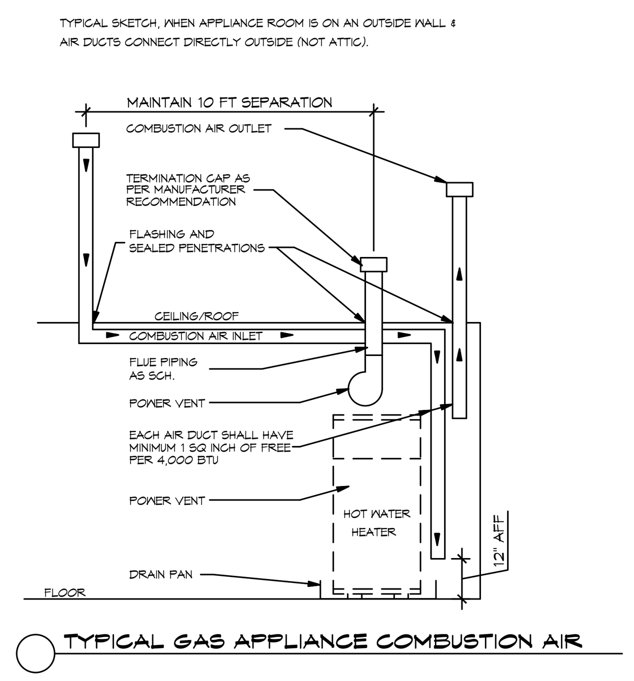


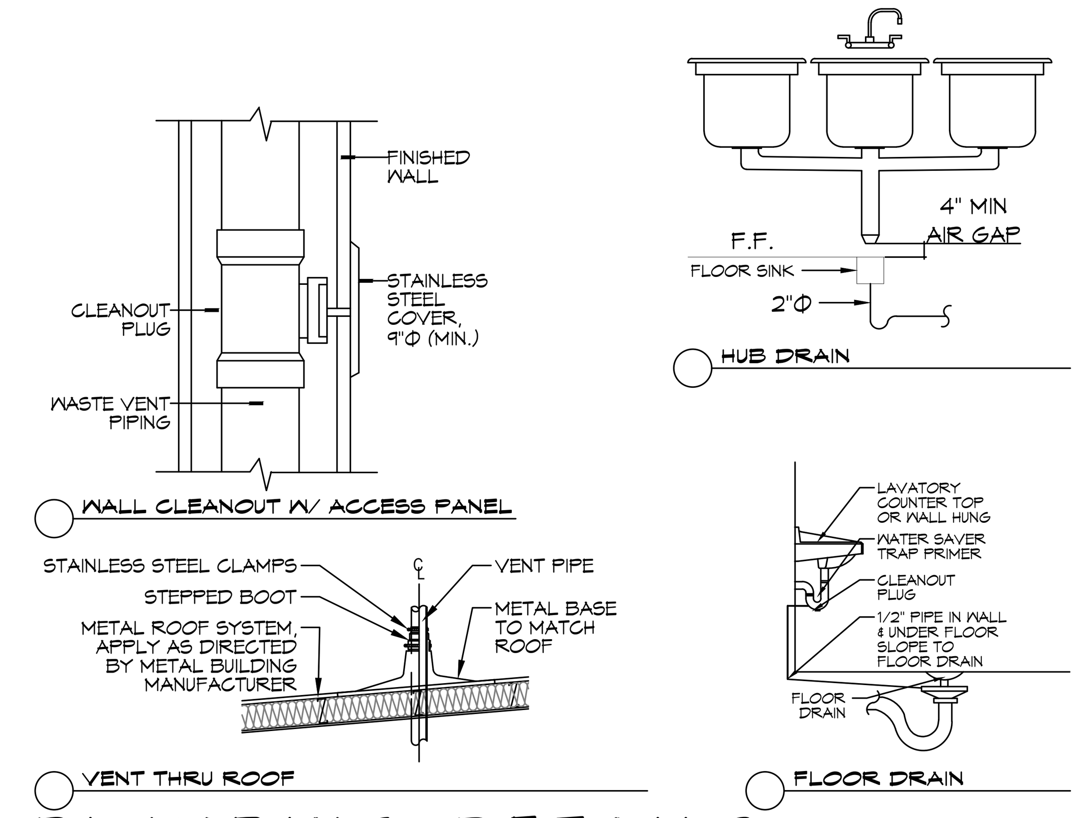
17 PLUMBING RISER DIAGRAM
SCALE: N.T.S.



18 GAS RISER DIAGRAM
SCALE: N.T.S.



TYPICAL GAS APPLIANCE COMBUSTION AIR



WALL CLEANOUT W/ ACCESS PANEL

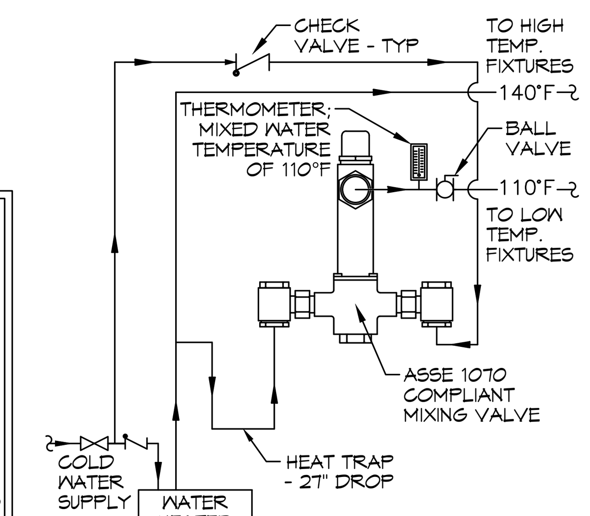
VENT THRU ROOF

HUB DRAIN

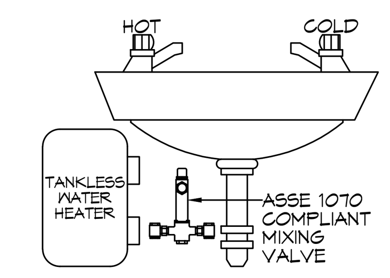
FLOOR DRAIN

PLUMBING DETAILS
SCALE: NTS

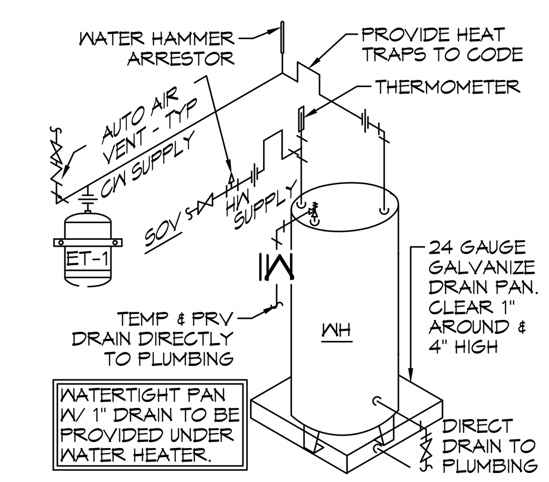
1. HEAT TRAP IS NOT REQUIRED WHERE MIXING VALVE IS INSTALLED BELOW STORAGE TANK OR WATER HEATER.
2. SET THE MIXING VALVE TO THE SYSTEM ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
3. SET WATER HEATER TEMP TO 140°F FOR: MOP SINK, 3-COMP SINK, PRE-RINSE, DISHWASHER, & PREP. SINK ONLY.
4. PROVIDE TEMPERING VALVE (110°F) AS SHOWN FOR ALL HAND SINKS W/ HOT WATER SUPPLIES.



TEMPERED WATER VALVE



TANKLESS WATER HEATER



WATER HEATER

WATER HEATER DETAILS
SCALE: NTS

GAS EQUIPMENT SCHEDULE

DESCRIPTION	BTU INPUT
RANGE/STOVE	270,000
CLOTHES DRYER	22,000
WATER HEATER	38,000
AHU-1	200,000
AHU-2	30,000
AHU-3	30,000
AHU-4	40,000
AHU-5	40,000
TOTAL BTU	670,000

NOTES:
1. ALL GAS PIPE SHALL BE SCHEDULE 40 BLACK STEEL PIPE. ALL PIPE INSTALLED ON ROOF SHALL BE SUPPORTED ON A PIPE PIER SUPPORT SYSTEM. WOOD BLOCKING NOT ALLOWED.
2. ALL GAS PIPING IS SIZED FOR A LOW PRESSURE SYSTEM. (< 2 psig OR LESS AND A PRESSURE DROP OF 0.5in. OF WATER COLUMN.)

GENERAL PLUMBING NOTES

1. PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT FOR A COMPLETE OPERATING SYSTEM. THE SYSTEM RISALL INCLUDE HOT AND COLD WATER PIPING, SEWER AND VENT PIPING, INSULATION, WATER HEATER, HANGERS, VALVES, SUPPORTS WITHOUT ANY RESTRICTION. CUT AND PATCH AS REQUIRED TO INSTALL PIPES.
2. ALL WORK AND MATERIAL RISALL CONFORM STRICTLY TO THE LATEST LOCAL, CITY, PARIRIS, STATE AND NATIONAL GOVERNING CODES.
3. CONTRACTOR IS TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS, ELEVATIONS AND SIZES PRIOR TO COMMENCING ANY WORK. CONTRACTOR RISALL PAY NECESSARY FEES FOR THE UTILITIES CONNECTIONS.
4. CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXISTING INVERTS AND SET NEW INVERTS OF SEWERAGE AND DRAINAGE PIPES.
5. SEWERAGE LINES 3-INCH AND SMALLER RISALL BE SLOPED 1/4" PER FOOT AND LINE 4-INCH AND LARGER RISALL BE 1/8" PER FOOT.
6. TEST ALL PIPING AT REQUIRED PRESSURE.
7. ALL PLUMBING RISALL BE CLOSELY COORDINATED WITH STRUCTURAL SYSTEMS MECHANICAL SYSTEMS AND ELECTRICAL SYSTEMS TO INSURE NO TRADES WILL CONFLICT WITH EACH OTHER.
8. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF DOORS, WINDOWS, WALLS, FIXTURES, ETC.
9. ALL WATER MAINS AND PIPING NOT RISOWN FOR CLARITY, ALL LOCATIONS FIELD VERIFIED.
10. DOMESTIC HOT AND COLD WATER PIPING AND FITTINGS UNDER SLAB RISALL BE ASTM B88 COPPER WATER TUBE, TYPE K SOFT ANNEALED. NO JOINTS RISALL BE ALLOWED UNDER THE SLAB.
11. DOMESTIC WATER PIPING AND FITTINGS ABOVE THE SLAB RISALL BE ASTM B88 COPPER WATER TUBE, TYPE L. HARD DRAWN WITH COPPER PRESSURE TYPE FITTINGS, ANSI B16.22. THE JOINTS RISALL BE SOLDERED TYPE USING ASTM B32, ALLOY GRADE 95A (95-5) SOLDER.
12. SOIL, WASTE, VENT PIPING AND FITTINGS ABOVE THE SLAB RISALL BE SERVICE WEIGHT CAST IRON PIPE WITH BELL AND SPIGOT ENDS AND ONE PIECE NEOPRENE INSERT TYPE GASKET. USE PVC SCHEDULE 40 OR ABS DWV PIPES AND FITTINGS WHERE PERMITTED BY CODE.
13. ALL WATER PIPING AND FITTINGS ABOVE THE FLOOR RISALL BE INSULATED WITH 1/2" THICK FIBERGLASS INSULATION AND JACKET.
14. ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATING FIRE PARTITIONS RISALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION RISALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)
15. ALL PLUMBING LINES RISOWN ARE DIAGRAMMATIC.
16. CONTRACTOR TO FIELD VERIFY LOCATION OF ALL UTILITIES PRIOR TO START OF WORK.
17. ALL WORK RISALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND NATIONAL CODES.
18. CONTRACTOR RISALL PROVIDE TRAP SEAL PRIMERS. FIELD VERIFY LOCATION OF TRAP PRIMER VALVE IN ADEQUATELY SIZED LINE WITH CONSISTENT USAGE. PLACE VALVE IN ACCESSIBLE LOCATION FOR MAINTENANCE.
19. REFER TO MANUFACTURER EQUIPMENT CUT-RISEETS FOR FIXTURE MOUNTING DIMENSIONS.
20. CONTRACTOR TO PROVIDE BACKFLOW PREVENTION DEVICES AS REQ'D ON ALL ICE MACHINES, SODA DISPENSERS & ANY OTHER EQUIPMENT DEEMED APPLICABLE BY GOVERNING CODES.

GENERAL DOMESTIC WATER NOTES

1. PROVIDE CHAMBERS ON ALL DOMESTIC WATER BRANCH PIPING SERVING FIXTURES.
2. PROVIDE ISOLATION VALVES IN HOT AND COLD WATER PIPING TO ALL FIXTURE GROUPS.
3. ALL FIXTURES SHALL BE INSTALLED LEVEL AND TRUE, CENTER FIXTURES WHERE APPLICABLE, FOR INSTANCE WATER CLOSETS IN NON-ADA STALLS.
4. PROVIDE THERMOSTATIC MIXING VALVES TO ALL FIXTURES SUPPLIED WITH HOT WATER. LOCATE VALVE ABOVE CEILING WITH THE HOT WATER PIPED TO THE FIXTURE.

PLUMBING FIXTURE SCHEDULE

MK	DES.	TYPE	ROUGH - IN - SIZE				NOTE
			WASTE	VENT	COLD	HOT	
WC	WATER CLOSET	VALVE	3"	3"	1-1/2"	-	3
UR	URINAL	VALVE	3"	2"	3/4"	-	3
LAV	LAVATORY	WALL HUNG	2"	2"	3/4"	3/4"	1,2,3
FD	FLOOR DRAIN	-	3"	2"	-	-	4
3CS	THREE COMP SINK	-	2"	2"	2-1/2"	2-1/2"	3
HS	HAND SINK	-	3"	2"	3/4"	3/4"	-
HB	HOSE BIB	VALVE	-	-	3/4"	-	-
GWH	WATER HEATER	-	3/4"	2"	3/4"	3/4"	-
AHU	AIR HANDLER DRAIN	-	3/4"	2"	-	-	-

NOTES:
1. INSULATE PIPING FOR HANDICAP FIXTURES.
2. PROVIDE CHAIR CARRIER FOR WALL HUNG FIXTURES.
3. H.C. - HANDICAP FIXTURE
4. INSTALL CONTINUOUS DRIP VALVE ON ALL FLOOR DRAINS.
5. FIXTURES SELECTED BY OWNER.

LEGEND

CO - CLEAN OUT
VTR - VENT THRU ROOF
—— V —— VENTILATION
—— S —— SEWAGE
⊗ GATE VALVE

ALL PLUMBING LINES ARE DRAWN DIAGRAMMATICALLY FOR CLARITY.

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REVISIONS

#	DESCRIPTION	DATE

THE SIXTH BAPTIST CHURCH RENOVATION AND ADDITION
928 FELICITY STREET
NEW ORLEANS LA 70130

JOB No:	2470	DATE:	03-28-2023
DRAWN BY:	CKD	CHECKED BY:	BAM

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SHEET TITLE:
SEWER, GAS & POTABLE WATER PLUMBING PLAN AND NOTES

DRAWING NUMBER:
P103