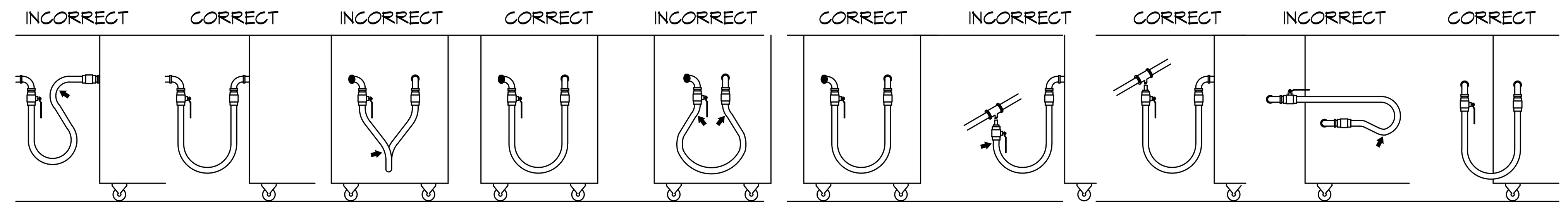


(1) **SHARP BENDS:** THE CORRECT WAY TO INSTALL METAL HOSE FOR VERTICAL TRAVERSE IS WITH A SINGLE, NATURAL LOOP. AVOID SHARP BENDS THAT STRAIN AND TWIST THE METAL HOSE TO A POINT OF EARLY FAILURE AT THE COUPLING.

TWISTING: COUPLINGS AND HOSE SHOULD BE INSTALLED IN THE SAME VERTICAL PLANE. FAILURE TO DO SO CAUSES TORSIONAL TWISTING & UNDUE STRAIN CAUSING PREMATURE FAILURE.

FATIGUE: MAINTAIN THE MINIMUM OR LARGER BENDING DIAMETER BETWEEN THE COUPLINGS CREATES DOUBLE BENDS CAUSING WORK FATIGUE AT THE FITTINGS.

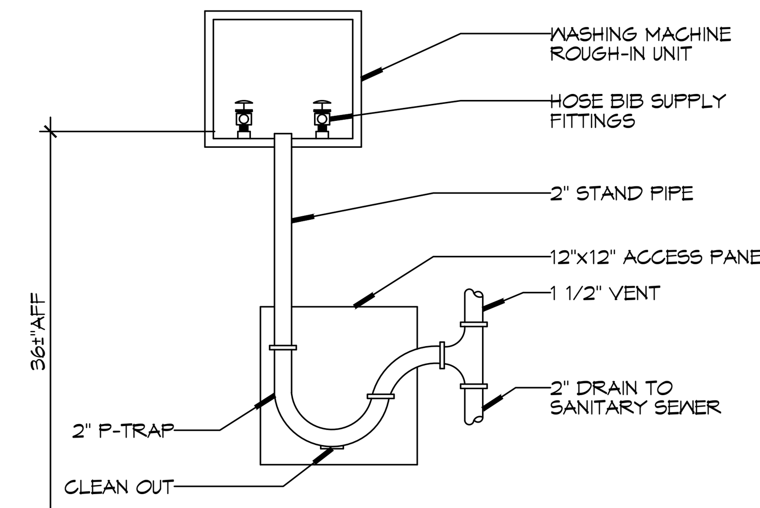
INCORRECT: AVOID SHARP BENDS AND KINKS WHEN PULLING EQUIPMENT AWAY FROM WALL. MAXIMUM PULL WILL KINK ENDS, EVEN IF INSTALLED PROPERLY, AND REDUCE CONNECTOR LIFE.

CORRECT: MINIMUM PULL OF EQUIPMENT AWAY FROM WALL PERMISSIBLE FOR ACCESSIBILITY TO SUPR-QUIK DISCONNECT.

SELF-DRAINING: IN ALL INSTALLATIONS WHERE SELF-DRAINING IS NOT NECESSARY, CONNECT METAL HOSE IN A VERTICAL LOOP. DO NOT CONNECT METAL HOSE HORIZONTALLY UNLESS SELF-DRAINING IS NECESSARY, THEN USE SUPPORT ON LOWER PLANE.

4 GAS HOSE CONNECTIONS

SCALE: NTS



3 DETAIL

SCALE: NTS

WASHING MACHINE HOOK-UP

GENERAL PIPING NOTES

1. SEE SHEET P101 FOR GENERAL PLUMBING NOTES.
2. WATER LINES ON EXTERIOR WALLS SHALL BE ROUTED ON INTERIOR SIDE OF INSULATION.
3. NOT USED.
4. SEE PLUMBING RISER DIAGRAMS FOR PIPE SIZES NOT INDICATED ON THIS SHEET.

LEGEND

SYMBOL	DESCRIPTION
—CW—CW—	COLD WATER SUPPLY PIPING (CW)
—HW—HW—	HOT WATER SUPPLY PIPING (HW)
—THW—THW—	TEMPERED WATER SUPPLY PIPING (THW)
—GAS—GAS—	GAS PIPING
	GLOBE VALVE
	TEMPERING VALVE
	GAS COCK
	HEATER
	ELBOW UP
	ELBOW DOWN
HB	HOSE BIB
	SPRINKLER RISER

GAS EQUIPMENT SCHEDULE

DESCRIPTION	BTU INPUT
RINNAI TANKLESS HOT WATER HEATER	199,900
RANGE	106,500
SPACE HEATER	125,000
CLOTHES DRYER	35,000
GENERATOR	1261000
TOTAL BTU	1,707,400

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.)

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Steve Ernst
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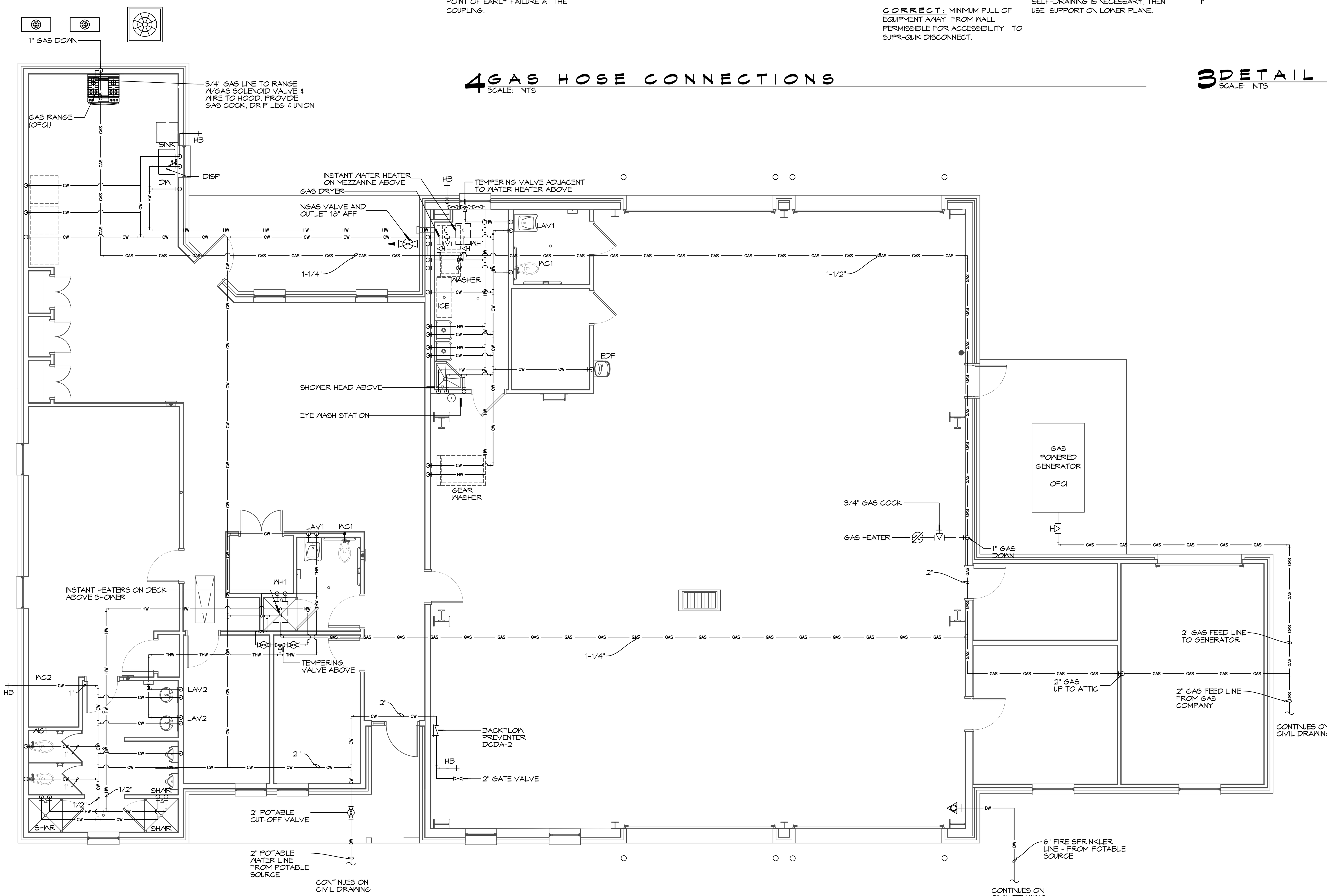
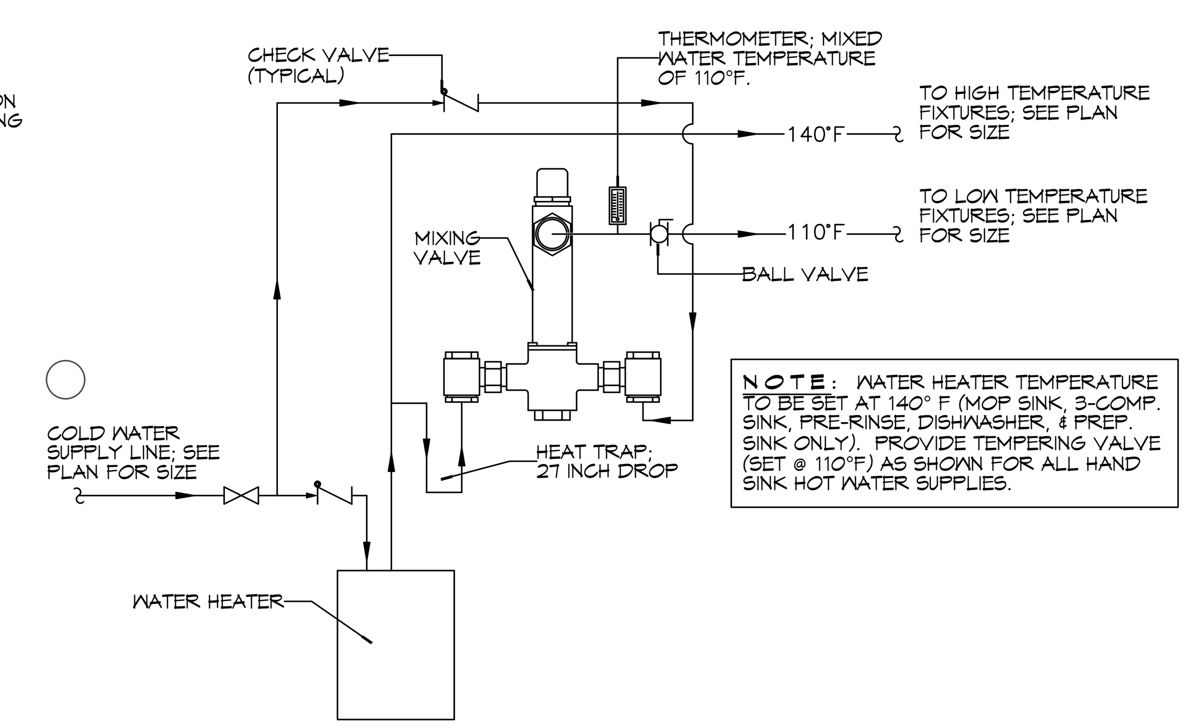


2 PLUMBING PLAN - WATER AND GAS

SCALE: 3/16"=1'-0"

NOTES:
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.



NOTE: WATER HEATER TEMPERATURE TO BE SET AT 140° F (MOP SINK, 3-COMP. SINK, PRE-RINSE, DISHWASHER, & PREP. SINK ONLY). PROVIDE TEMPERING VALVE (SET @ 110°F) AS SHOWN FOR ALL HAND SINK HOT WATER SUPPLIES.

1 DETAIL

SCALE: NTS

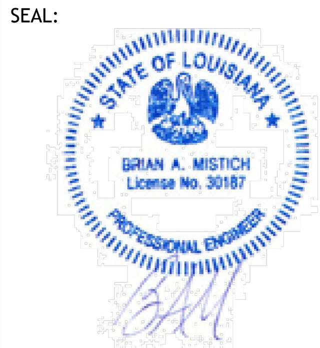
TEMPERED WATER VALVE

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI
Chief Engineer: Brian Mistich, PE
554 Old Spanish Trail
Slidell, LA 70458
www.dammonengineering.com
info@dammonengineering.com
PH: 985.649.5832

REVISIONS

#	DESCRIPTION	DATE

SEAL:



NEW FIRE STATION #10
ST. TAMMANY FIRE PROTECTION DISTRICT No. 1

2745 LAKESHORE VISTA BLVD
SLIDELL, LA 70461

JOB No: 2519 | DATE: 12-03-2025
DRAWN BY: CKD | CHECKED BY: BAM

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SHEET TITLE:
PLUMBING PLAN - WATER AND GAS

DRAWING NUMBER:
P102