

## VERTICAL WATER PRESSURE REDUCING STATION

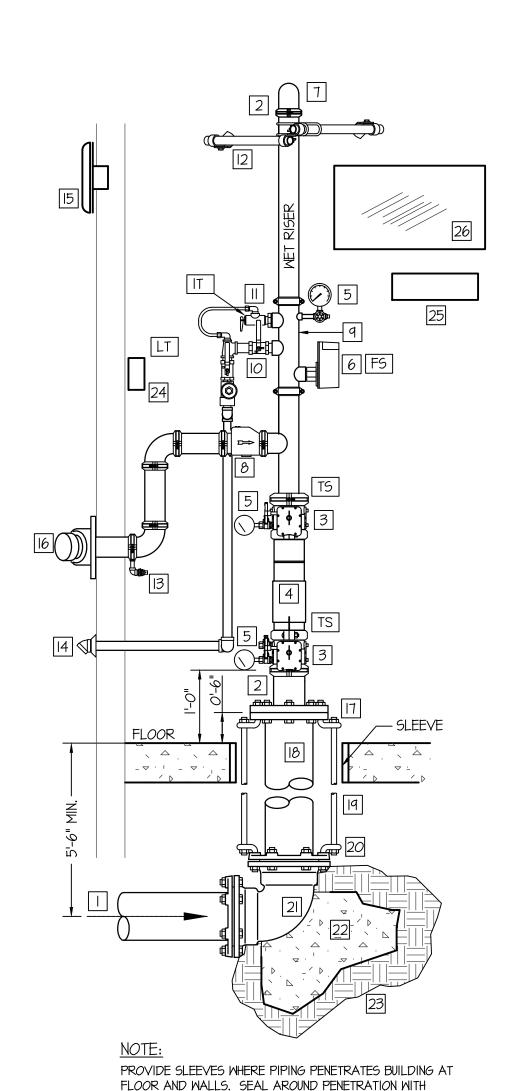
EQUIPMENT GROUND JOINT UNION 3/4"

FLEXIBLE GAS CONNECTOR. 18" MAX.

DRIP LEG SAME SIZE AS DROP

GAS LINE CONNECTION DETAIL

PLUMBING FIXTURE SCHEDULE							
SYM.	DESCRIPTION	TRAP	WASTE	PIPE SIZE VENT	C.M.	H.M.	REMARKS
(WC-I)	WATER CLOSET	INT.	3"	2"	1/2"	-	ADA FLUSH TANK
(WC-2)	WATER CLOSET	INT.	3"	2"	1/2"	-	FLUSH TANK
(L-l)	LAVATORY	I-I/2"	I-I/2"	I-I/2"	1/2"	1/2"	ADA COUNTERTOP MOUNT WITH INSULATING JACKET ON HW & DRAIN LINE UNDER SINK. FAUCET TO BE BLACK MATTE
(L-2)	LAVATORY	I-I/2"	I-I/2"	I-I/2"	1/2"	1/2"	COUNTERTOP MOUNT WITH BLACK MATTE FAUCET AND TRIN
(T-I)	TUB / SHOWER	I-I/2"	I-I/2"	I-I/2"	1/2"	1/2"	RIGHT OR LEFT HAND AS PER FLOOR PLAN WITH BLACK MATTE FINISH SHOWER HEAD, VALVE, DIVERTER & TRIM
(5H-I)	SHOWER	I-I/2"	I-I/2"	I-I/2"	1/2"	1/2"	RIGHT OR LEFT HAND AS PER FLOOR PLAN WITH BLACK MATTE FINISH SHOWER HEAD, VALVE & TRIM
(K5-1)	KITCHEN SINK	2"	2"	2"	1/2"	1/2"	APRON FRONT SINGLE COMPARTMENT UNDER COUNTER MOUNT WITH BLACK MATTE SPRAYER TYPE FAUCET.
(DW-I)	DISHWASHER	-	3/4"	-	-	1/2"	UNDER COUNTER - CONNECT TO ADJACENT KITCHEN SINK
(FD-I)	FLOOR DRAIN	2"	2"	2"	-	-	WITH DEEP SEAL P-TRAP
(F5-I)	FLOOR SINK	4"	4"	2"	-	-	FLOOR SINK WITH 3/4 GRATE AND DEEP SEAL P-TRAP
WH-I)	WATER HEATER	-	-	-	3/4"	3/4"	50 GALLON GAS WATER HEATER WITH T&P VALVE & EXP. TANK. 40,000 BTU, 90% EFFICIENT WITH (2) VENTS TO SIDEWALL TERMINATION ASSEMBLY.
(MB-I)	WASHER BOX	2"	2"	2"	1/2"	1/2"	POLY WASHER BOX WITH 1/2" HW AND CW STOP VALVES 2" STANDPIPE WITH P-TRAP



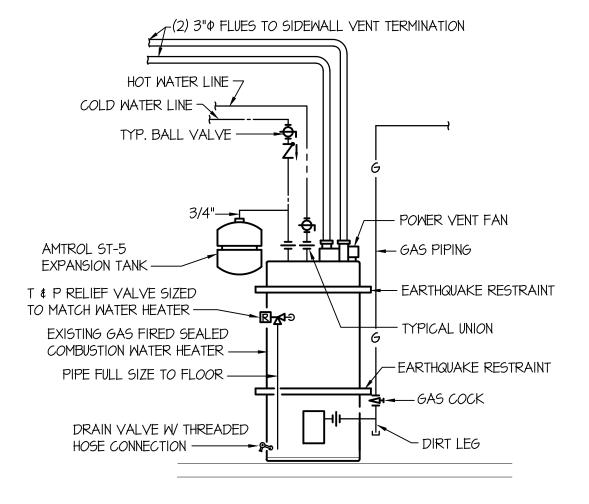
FLEXIBLE MASTIC AT FLOOR. PROVIDE 2" ANNULAR SPACE

VERTICAL FIRE RISER DETAIL

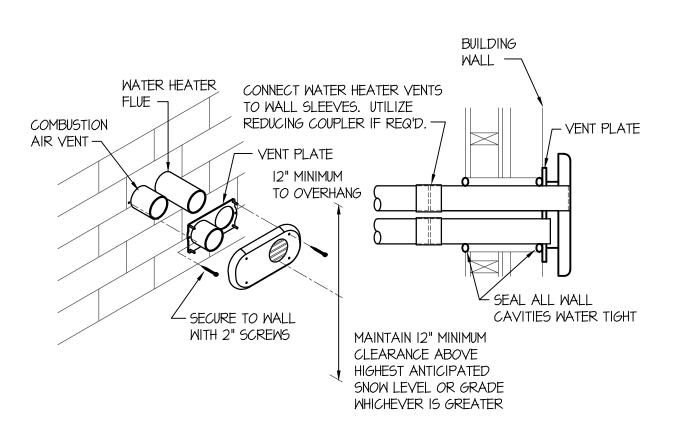
AROUND AND RESTRAIN FLANGE SPIGOT.

## WET RISER DETAIL NOTES WATER SUPPLY FROM CITY WATER MAIN. USE CLASS 53 DUCTILE IRON WHEN CROSSING UNDER BLDG FOUNDATION. USE FLEXIBLE GROOVED PIPE COUPLING ONLY IF SEISMIC BRACING IS REQUIRED. SEE NOTE #12. GROOVED BUTTERFLY VALVE WITH INTEGRAL SUPERVISORY SWITCH.

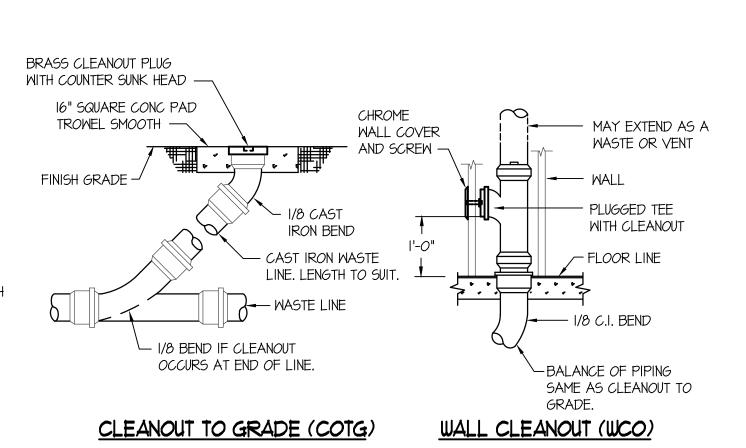
- 4 DOUBLE CHECK BACKFLOW PREVENTER WITH RELATED TRIM AND GAUGES.
- 5 3-1/2" DIAMETER WATER GAUGE WITH 1/4" TEST AND ISOLATION VALVE.
- 6 VANE TYPE WATER FLOW SWITCH.
- 7 SUPPLY TO WET PIPE FIRE SPRINKLER SYSTEM.
- 8 SWING CHECK VALVE.
- 9 RISER MANIFOLD INCLUDES PRESURE GAUGE, FLOW SWITCH,
  PRESSURE RELIEF VALVE, AND TEST AND MAIN DRAIN DEVICE.
- IO INSPECTOR'S TEST & MAIN DRAIN DEVICE PIPE TO OUTSIDE.
- PRESSURE RELIEF VALVE SHALL BE REQUIRED SET AT 175 PSI.-PIPED TO DISCHARGE OUTSIDE.
- [12] SEISMIC BRACING REQUIRED IN SEISMIC DESIGN CATEGORY C, D, E, F.
- [3] 1/2" AUTOMATIC BALL DRIP VALVE.
- 14 PIPE TO DRAIN OUTSIDE.
- 15 WEATHERPROOF ELECTRIC BELL OR HORN AND STROBE (OUTSIDE).
- OUT TO FIRE DEPARTMENT CONNECTION WITH GALVANIZED SCH 40 PIPING- PROVIDE BALL DRIP WHEN TRAPPING PIPE. SIZE CONNECTION AS REQUIRED. NOTE: PIPE FDC TO REMOTE LOCATION ON STAKE BUILDINGS AND WHEN REQUIRED BY FIRE MARSHAL.
- [7] GALVANIZED FLANGE AND SPOOL PIECE
- [18] CLASS 53 D.I. FLANGED SPIGOT
- [9] 3/4" A.T.R.
- 20 3/4" BENT EYE BOLT
- 21 MECHANICAL JOINT 90° ELL
- 22 CONCRETE THRUST BLOCK WITH 5 SQ. FEET BEARING AREA
- 23 UNDISTURBED EARTH
- 24 LOW TEMPERATURE SENSOR MOUNTED ON WALL THIS SWITCH IS PROVIDED UNDER DIVISION 28 OF THE SPECIFICATIONS.
- 25 SPARE HEAD CABINET WITH SPARE SPRINKLER HEADS AND WRENCHES.
- 26 LAMINATED SYSTEM MAP WITH SYSTEM START-UP AND SHUT-DOWN INSTRUCTIONS.



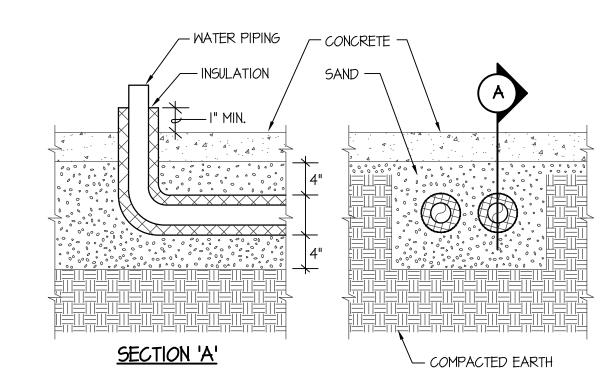
GAS FIRED WATER HEATER PIPING DIAGRAM



MATER HEATER VENT TERMINATION DETAIL



CLEAN OUT DETAILS



## NOTES:

- I ALL WATER PIPING INSTALLED UNDERFLOOR SHALL BE TYPE "K" COPPER OR PEX
- 2 WATER PIPE INSULATION ON UNDERFLOOR PIPING SHALL BE ARMAFLEX 3/4" THICK RUBBER PIPE INSULATION. TAPE INSULATION AT ALL SEAMS.

NO SCALE

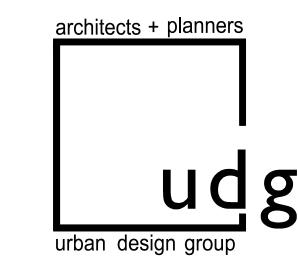
- 3 MINIMUM PIPE SIZE UNDERFLOOR SHALL BE 3/4" FOR COPPER, I/2" PEX
- 4 SAND FILL AROUND PIPING SHALL BE A MINIMUM OF 4" THICK. MATERIAL SHALL BE HAND TAMPED, RODDED OR LIGHTLY COMPACTED DURING INSTALLATION. CARE SHOULD BE TAKEN NOT TO DEFORM OR OTHERWISE DAMAGE PIPING OR INSULATION.

UNDER SLAB PIPE INSTALLATION DETAIL

NO SCALE







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consultant:



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PERMIT DOCUMENTS

current as of: original drawing is 24" x 36"

revisions:
num. description date

## THOMSON FARMS APARTMENTS

355 THOMSON FARMS ROAD REXBURG, ID. 83440

> 2-STORY BUILDING

STILLWATER EQUITY PARTNERS LLC.

sheet title:

PLUMBING DETAILS PLUMBING SCHEDULES

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