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- 9 RISER MANIFOLD INCLUDES PRESURE GAUGE, FLOW SWITCH, PRESSURE RELIEF VALVE, AND TEST AND MAIN DRAIN DEVICE. 10 INSPECTOR'S TEST & MAIN DRAIN DEVICE IT - PIPE TO OUTSIDE. 11 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. 13 1/2" AUTOMATIC BALL DRIP VALVE. 14 PIPE TO DRAIN OUTSIDE. 15 WEATHERPROOF ELECTRIC BELL OR HORN AND STROBE (OUTSIDE). [16] 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 WHEN REQUIRED BY FIRE MARSHAL. 17 GALVANIZED FLANGE AND SPOOL PIECE 18 CLASS 53 D.I. FLANGED SPIGOT 19 3/4" A.T.R.

WET RISER DETAIL NOTES

REQUIRED. SEE NOTE #12.

6 VANE TYPE WATER FLOW SWITCH.

8 SWING CHECK VALVE.

7 SUPPLY TO WET PIPE FIRE SPRINKLER SYSTEM.

WHEN CROSSING UNDER BLDG FOUNDATION.

1 4" WATER SUPPLY FROM CITY WATER MAIN. USE CLASS 53 DUCTILE IRON

2 USE FLEXIBLE GROOVED PIPE COUPLING ONLY IF SEISMIC BRACING IS

3 GROOVED BUTTERFLY VALVE WITH INTEGRAL SUPERVISORY SWITCH.

5 3-1/2" DIAMETER WATER GAUGE WITH  $\frac{1}{4}$ " TEST AND ISOLATION VALVE.

4 DOUBLE CHECK BACKFLOW PREVENTER WITH RELATED TRIM AND GAUGES.

- 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.

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[26] LAMINATED SYSTEM MAP WITH SYSTEM START-UP AND SHUT-DOWN INSTRUCTIONS.

## BUILDING A & BUILDING B VERTICAL FIRE RISER DETAIL NO SCALE

B

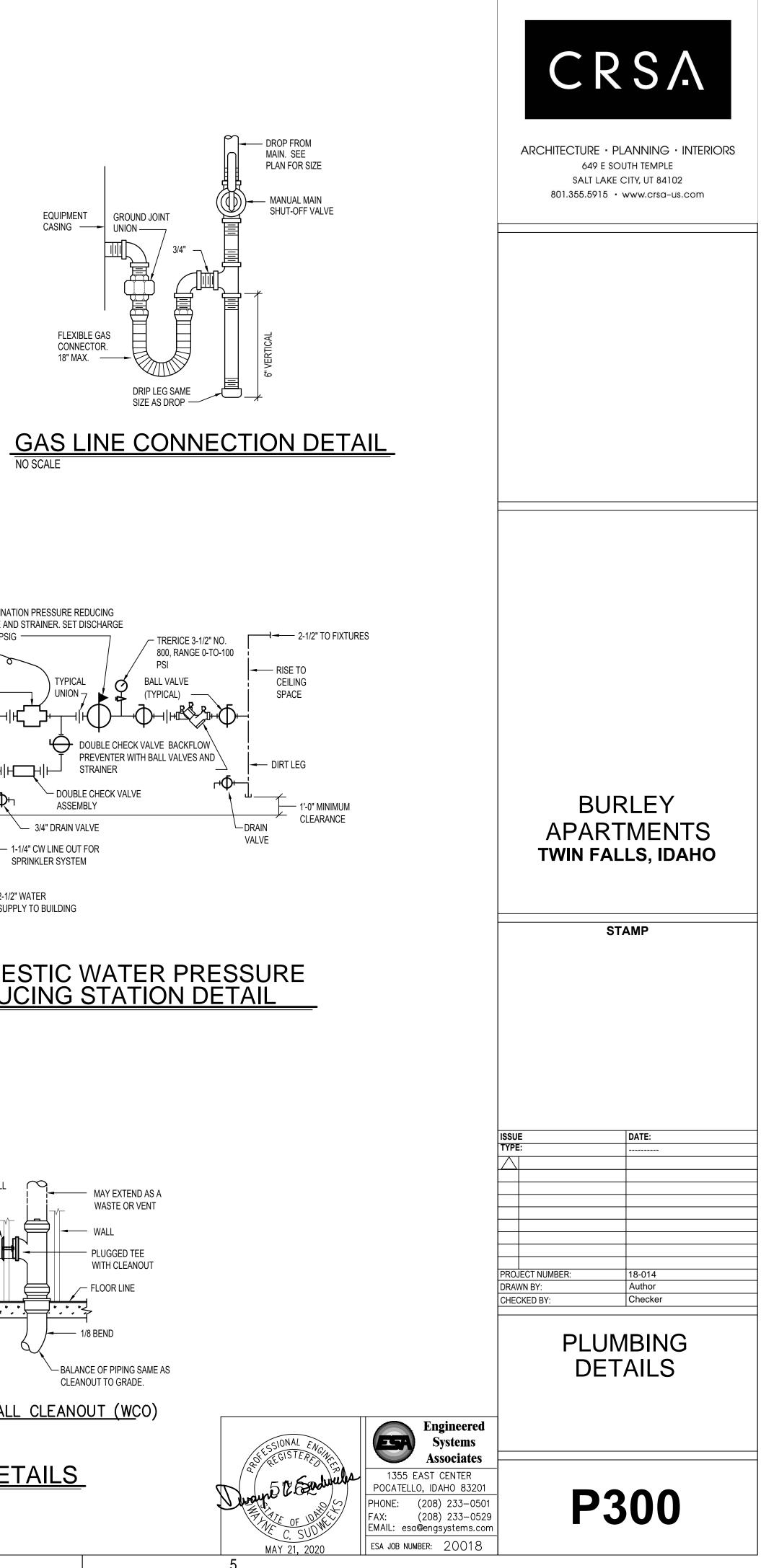
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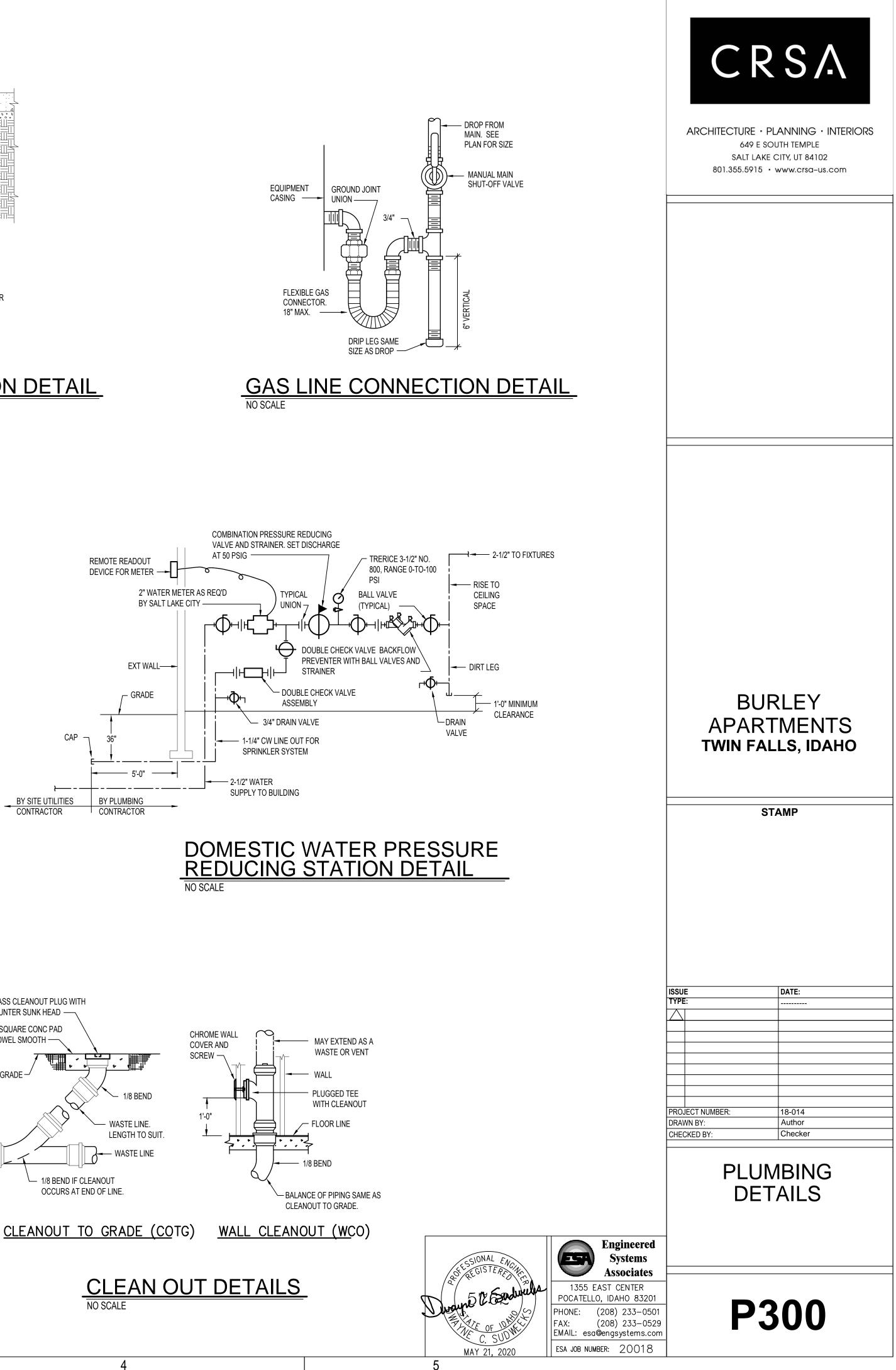
- WATER PIPING - CONCRETE -- INSULATION SAND · " MIN SECTION 'A' COMPACTED EARTH

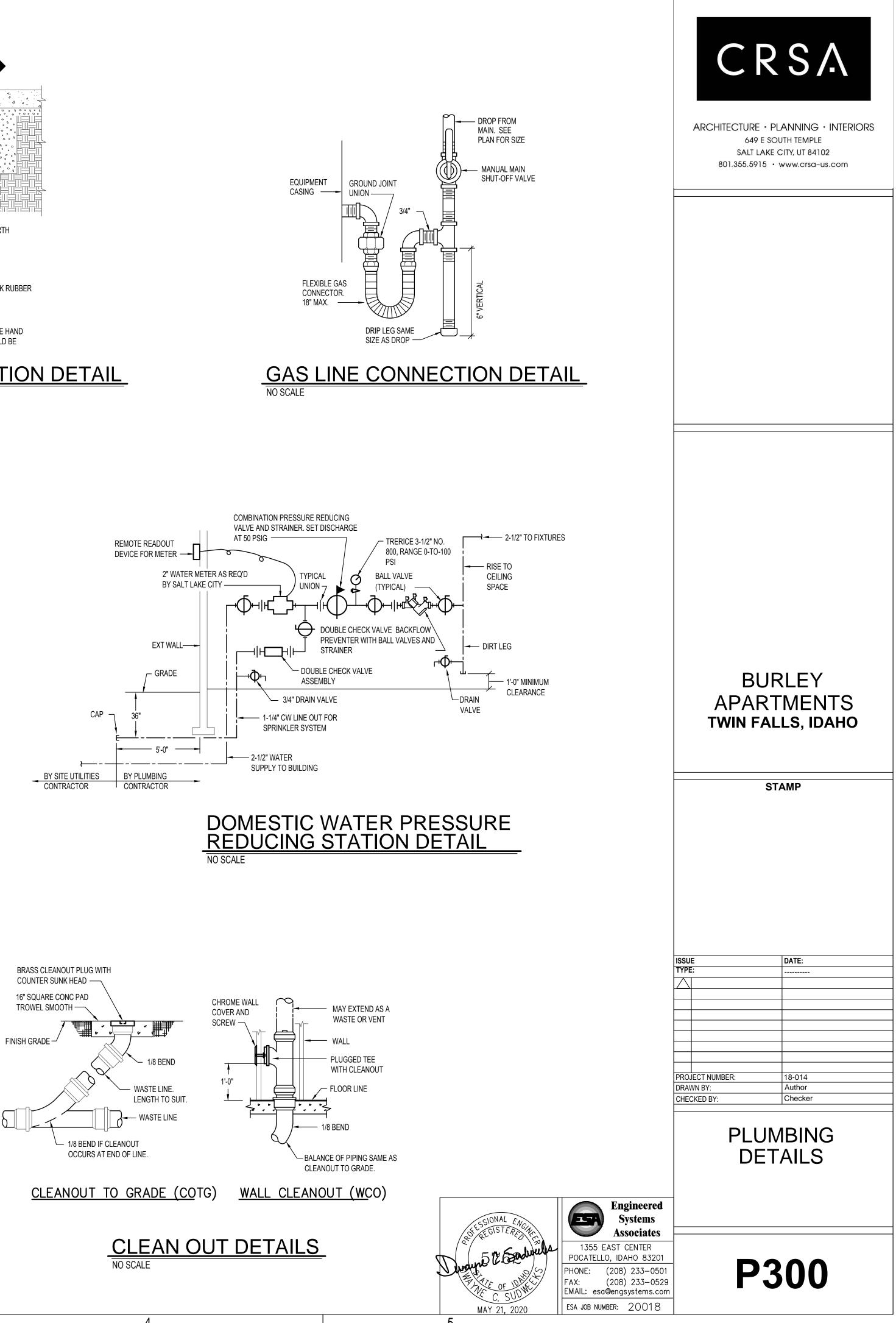
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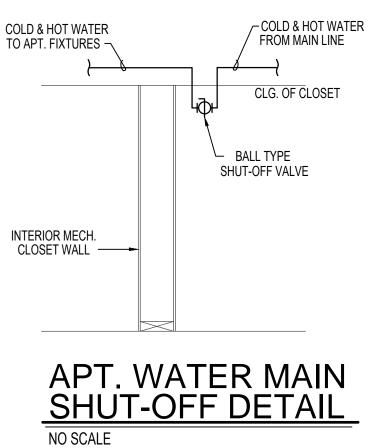
- 1 ALL WATER PIPING INSTALLED UNDERFLOOR SHALL BE TYPE "K" COPPER OR PEX
- 2 WATER PIPE INSULATION ON UNDERFLOOR PIPING SHALL BE ARMAFLEX 3/4" THICK RUBBER
- PIPE INSULATION. TAPE INSULATION AT ALL SEAMS. 3 - MINIMUM PIPE SIZE UNDERFLOOR SHALL BE 3/4"
- 4 SAND FILL AROUND PIPING SHALL BE A MINIMUM OF 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.

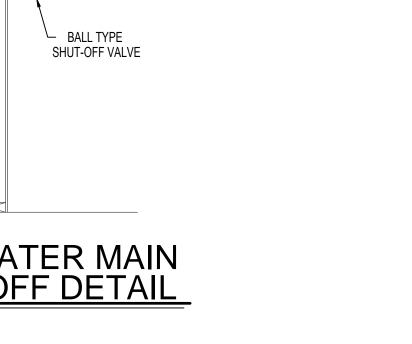












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