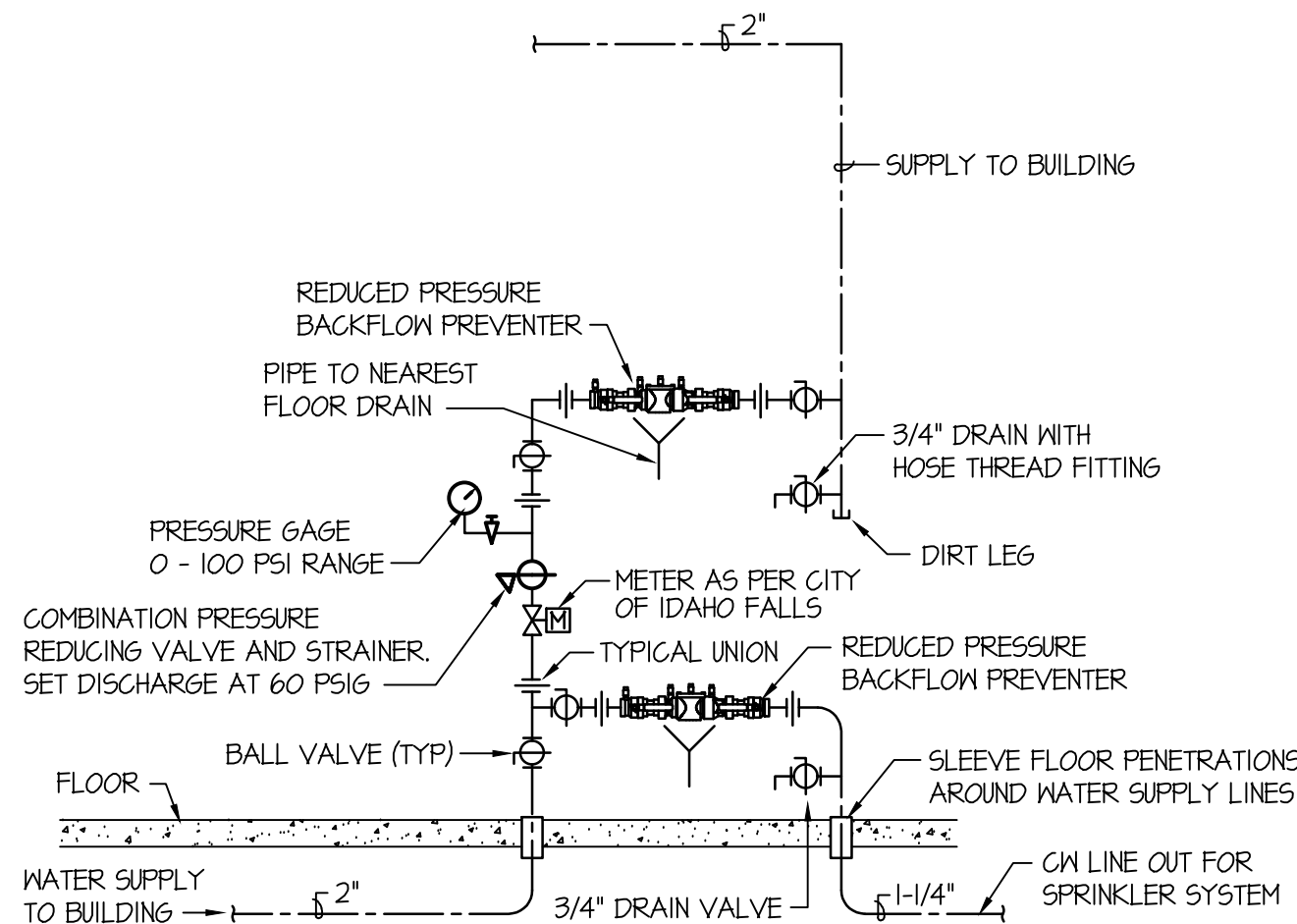
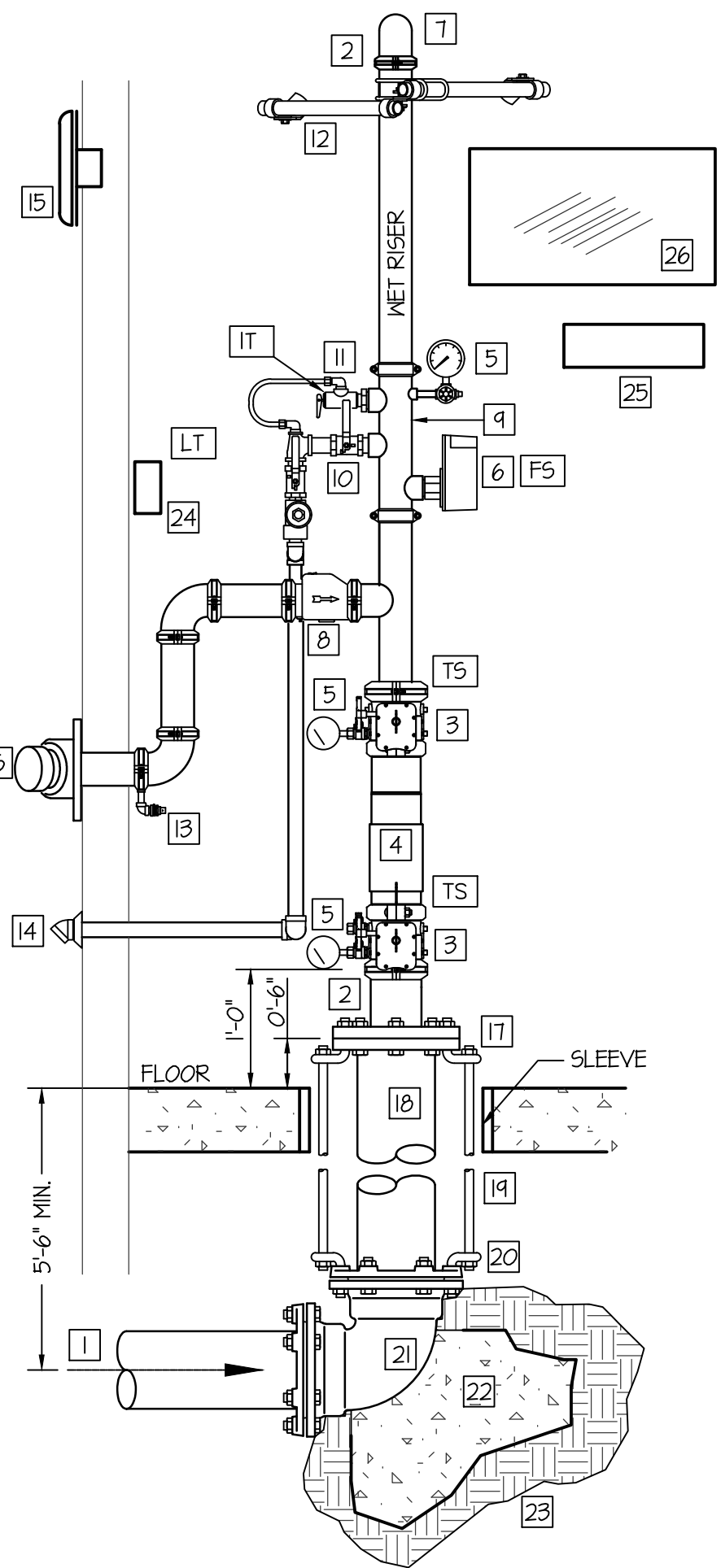


D



VERTICAL WATER PRESSURE REDUCING STATION
NO SCALE

C

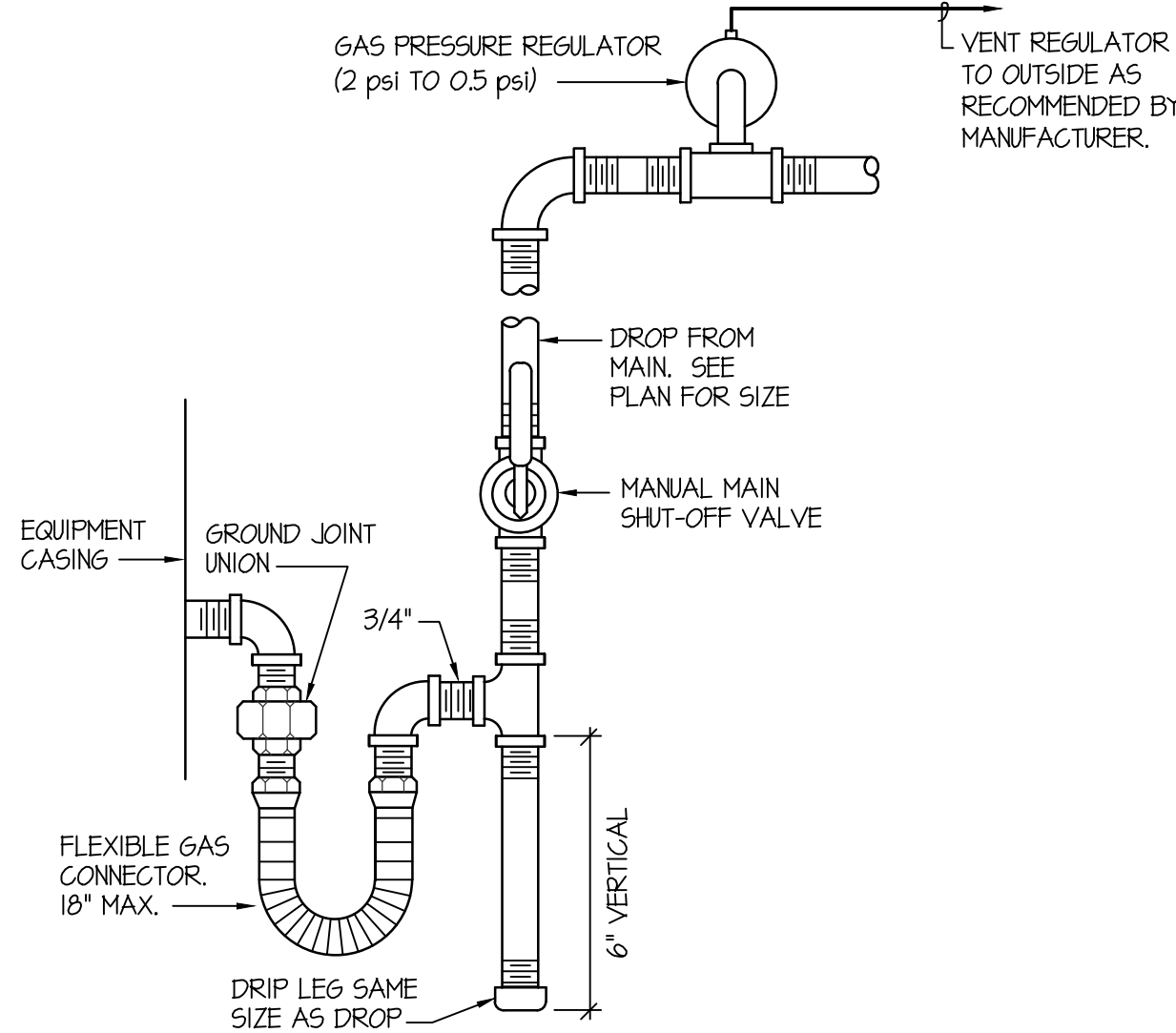


NOTE:
PROVIDE SLEEVES WHERE PIPING PENETRATES BUILDING AT FLOOR AND WALLS. SEAL AROUND PENETRATION WITH FLEXIBLE MASTIC AT FLOOR. PROVIDE 2" ANNULAR SPACE AROUND AND RESTRAIN FLANGE SPIGOT.

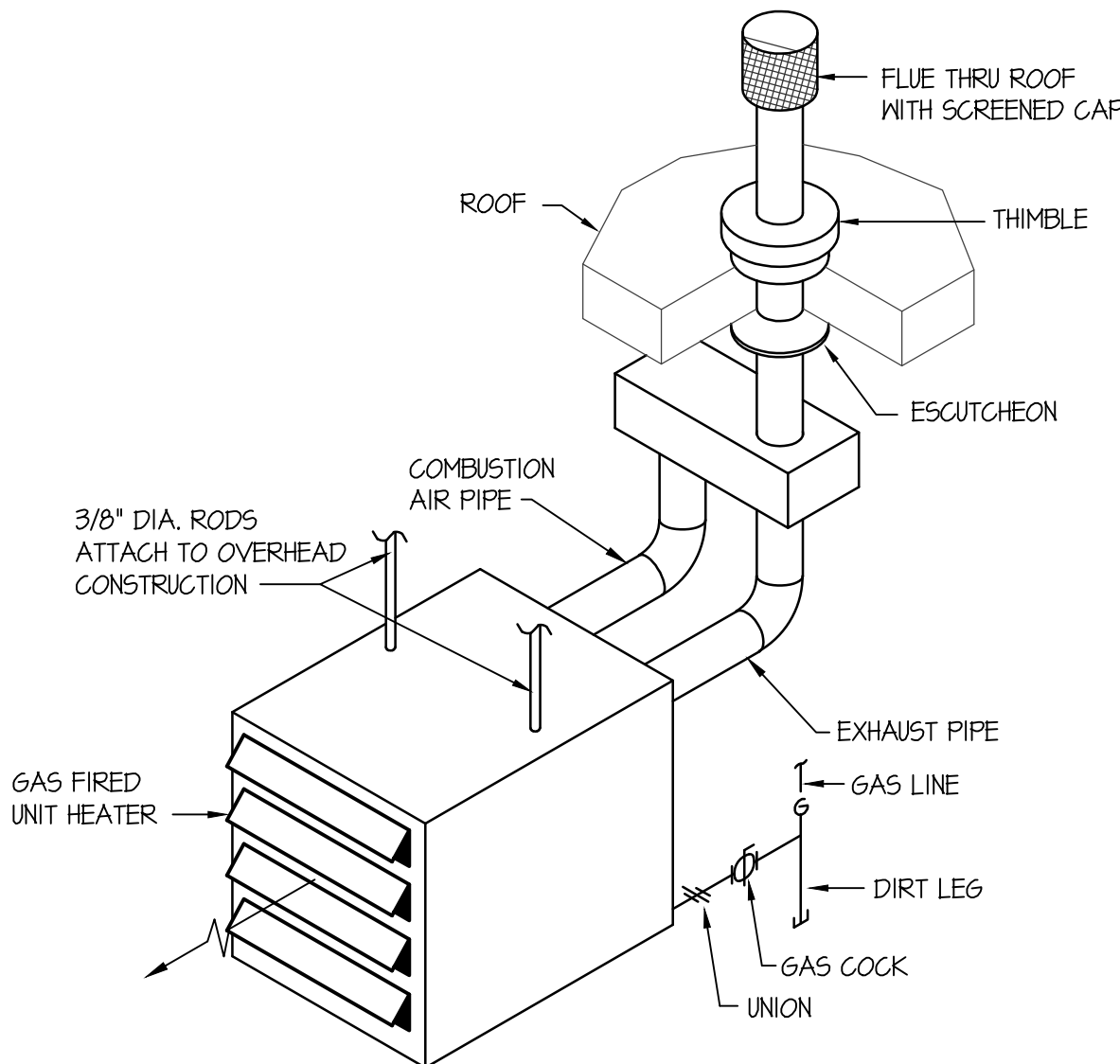
VERTICAL FIRE RISER DETAIL
NO SCALE

WET RISER DETAIL NOTES

- 6" 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.
- DOUBLE CHECK BACKFLOW PREVENTER WITH RELATED TRIM AND GAUGES.
- 3-1/2" DIAMETER WATER GAUGE WITH 1/4" TEST AND ISOLATION VALVE.
- VANE TYPE WATER FLOW SWITCH.
- SUPPLY TO WET PIPE FIRE SPRINKLER SYSTEM.
- SWING CHECK VALVE.
- RISER MANIFOLD - INCLUDES PRESURE GAUGE, FLOW SWITCH, PRESSURE RELIEF VALVE, AND TEST AND MAIN DRAIN DEVICE.
- INSPECTOR'S TEST & MAIN DRAIN DEVICE [IT] PIPE TO OUTSIDE.
- PRESSURE RELIEF VALVE SHALL BE REQUIRED SET AT 175 PSI.-PIPED TO DISCHARGE OUTSIDE.
- SEISMIC BRACING REQUIRED IN SEISMIC DESIGN CATEGORY C, D, E, F.
- 1/2" AUTOMATIC BALL DRIP VALVE.
- PIPE TO DRAIN OUTSIDE.
- 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.
- GALVANIZED FLANGE AND SPOOL PIECE
- CLASS 53 D.I. FLANGED SPIGOT
- 3/4" A.T.R.
- 3/4" BENT EYE BOLT
- MECHANICAL JOINT 90° ELL
- CONCRETE THRUST BLOCK WITH 5 SQ. FEET BEARING AREA
- UNDISTURBED EARTH
- LOW TEMPERATURE SENSOR - MOUNTED ON WALL - THIS SWITCH IS PROVIDED UNDER DIVISION 28 OF THE SPECIFICATIONS.
- SPARE HEAD CABINET WITH SPARE SPRINKLER HEADS AND WRENCHES.
- LAMINATED SYSTEM MAP WITH SYSTEM START-UP AND SHUT-DOWN INSTRUCTIONS.



GAS LINE CONNECTION DETAIL
NO SCALE



SEPARATED COMBUSTION GAS FIRED UNIT HEATER DETAIL
NO SCALE



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ORIGINAL DRAWING SIGNED BY: DWAYNE C. SUDWEEKS
DATE ORIGINAL SIGNED: JULY 26, 2019
ORIGINAL ON FILE AT ENGINEERED SYSTEMS ASSOCIATES
1355 EAST CENTER, POCATELLO, IDAHO 83201

ISSUE TYPE:	DATE:
PERMIT SET	2019-01-25
PROJECT NUMBER:	18-101
DRAWN BY:	TD
CHECKED BY:	DCS

MECHANICAL & PLUMBING
DETAILS & SCHEDULES

MP201

FIXTURE SCHEDULE					
SYM.	DESCRIPTION	HOT	COLD	WASTE	VENT
FS-1	FLOOR SINK - ZURN Z-1900-KC WITH WHITE ENAMEL FINISH, DOME STRAINER AND 4" DEEP SEAL P-TRAP. PROVIDE 3/4 GRATE OVER SINK.	---	---	2"	2"

UNIT HEATER SCHEDULE (GAS)														
SYM.	TYPE	CFM	AMPS	CHAR.	(NATURAL GAS)			EAT	LAT	SUP.	FUEL TYPE	FLUE	WEIGHT	REMARKS
					INPUT	OUTPUT	Ø ELEV.							
UH 1	FAN FORCED NAT. GAS	2562	3.8	120/60/1	200 MBH	166 MBH	142 MBH	60°F	100°F	3/4"	NAT	(2) 4"	188#	REZNOR MODEL UDAS 200 WITH VERTICAL VENT TERMINAL ASSEMBLY KIT.
UH 2	FAN FORCED NAT. GAS	2562	3.8	120/60/1	200 MBH	166 MBH	142 MBH	60°F	100°F	3/4"	NAT	(2) 4"	188#	REZNOR MODEL UDAS 200 WITH VERTICAL VENT TERMINAL ASSEMBLY KIT.
UH 3	FAN FORCED NAT. GAS	2562	3.8	120/60/1	200 MBH	166 MBH	142 MBH	60°F	100°F	3/4"	NAT	(2) 4"	188#	REZNOR MODEL UDAS 200 WITH VERTICAL VENT TERMINAL ASSEMBLY KIT.
UH 4	FAN FORCED NAT. GAS	2562	3.8	120/60/1	200 MBH	166 MBH	142 MBH	60°F	100°F	3/4"	NAT	(2) 4"	188#	REZNOR MODEL UDAS 200 WITH VERTICAL VENT TERMINAL ASSEMBLY KIT.
UH 5	FAN FORCED NAT. GAS	2562	3.8	120/60/1	200 MBH	166 MBH	142 MBH	60°F	100°F	3/4"	NAT	(2) 4"	188#	REZNOR MODEL UDAS 200 WITH VERTICAL VENT TERMINAL ASSEMBLY KIT.
UH 6	FAN FORCED NAT. GAS	2562	3.8	120/60/1	200 MBH	166 MBH	142 MBH	60°F	100°F	3/4"	NAT	(2) 4"	188#	REZNOR MODEL UDAS 200 WITH VERTICAL VENT TERMINAL ASSEMBLY KIT.

ELECTRIC HEATER SCHEDULE						
SYM.	TYPE	BTU	KW	CHAR	CONTROL	REMARKS
EH	WALL MOUNTED	2254	2	208/60/1	INTEGRAL T-STAT	QMARK TYPE CRA2028-T2 COMPLETE WITH CRASM SURFACE MOUNTING FRAME.