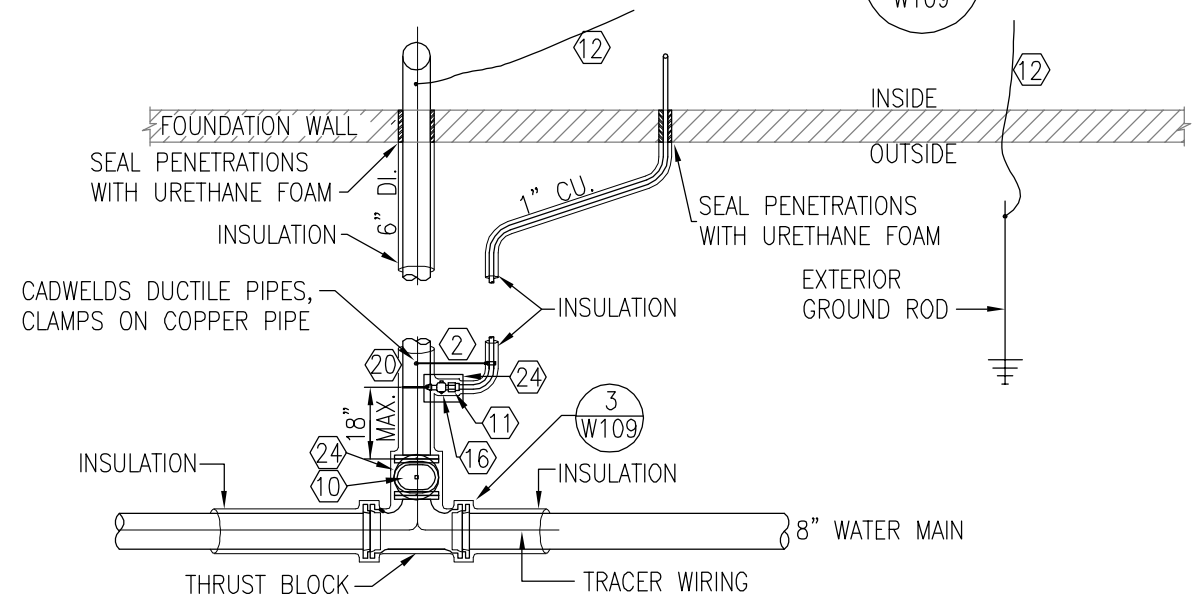
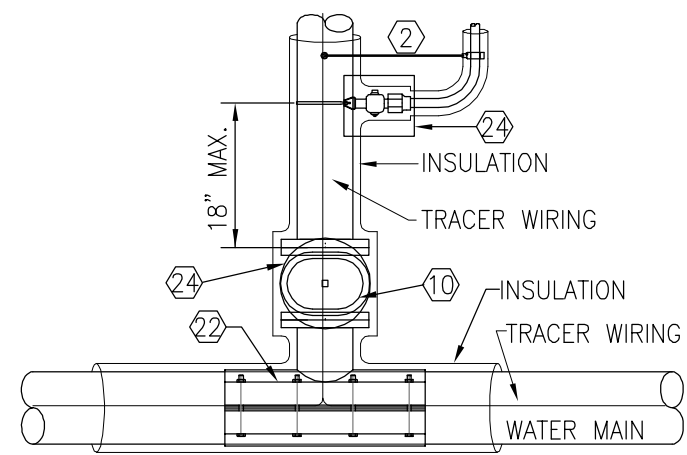


INSIDE BUILDING ELEVATION VIEW



CIRCULATING WATER SERVICE WITH FIRE SUPPRESSION



EXISTING WATER SERVICE
TAPPING VALVE SLEEVE DETAIL

GENERAL NOTES:

1. WATER SERVICE PIPE SHALL HAVE A LEVEL OR POSITIVE GRADE FROM THE WATER MAIN TO THE BUILDING (NO HUMPS OR DIPS) TO PREVENT AIR TRAPS.
2. SEALED BY-PASS VALVE REQUIRED ON 2" AND LARGE METERS.
3. METER SHALL BE A MINIMUM OF 1'-0" AND A MAXIMUM OF 4'-0" ABOVE FLOOR LEVEL.
4. INSTALL CIRCULATION PUMP ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
5. CHECK WITH DU FOR LAYING LENGTH REQUIRED FOR METER INSTALLATION LAYING LENGTHS WILL VARY WITH METER SIZE AND TYPE.
6. COORDINATE ALL GROUNDING WIRING WITH BUILDING ELECTRICAL CONTRACTOR.
7. TAPPING TEE/SLEEVE AND GATE VALVE PROVIDE BY DU CONTRACTOR INSTALLED.
8. SINGLE STRAP ON 4" - 8" MAINS, DOUBLE STRAP ON 10" - 14" MAINS. OUTLETS ON 8" CENTERS.

MATERIAL LIST - INSTALLER ITEMS	
ITEM	DESCRIPTION
1	PIPING PER UES-TS-W003
2	THAW BUS #1 AWG MIN. LENGTH AS REQUIRED
3	PIPE AND NIPPLES, LENGTHS AS REQUIRED
4	ELBOW
5	PLATE STRAINER (SUPPLIED BY DU)
6	COPPER FLANGE
7	BACKFLOW PREVENTOR
8	CONDUIT OR #18, 2-CONDUCTOR WIRE
9	CIRCULATION PUMP (MANDATORY)
10	GATE VALVE OR BALL VALVE
11	FLARE NUT
12	GROUND WIRE SIZED PER NEC, LENGTH AS REQUIRED
13	PRESSURE REDUCING VALVE, 80-40 PSI
14	FLANGED DUCTILE IRON REDUCING TEE
15	CHECK VALVE
16	CORPORATION STOP
17	REDUCER FITTING
18	TEE FITTING
19	REDUCING TEE
20	FLANGED DUCTILE IRON PIPE, LENGTHS AS REQUIRED
21	DUCTILE IRON MJ PIPE, LENGTHS AS REQUIRED
22	TAPPING SLEEVE
23	DOUBLE CHECK VALVE (FIRE RATED)
24	VALVE BOX & COVER
25	PRESSURE INDICATOR W/SHUT-OFF
26	THERMOMETER W/SHUT-OFF