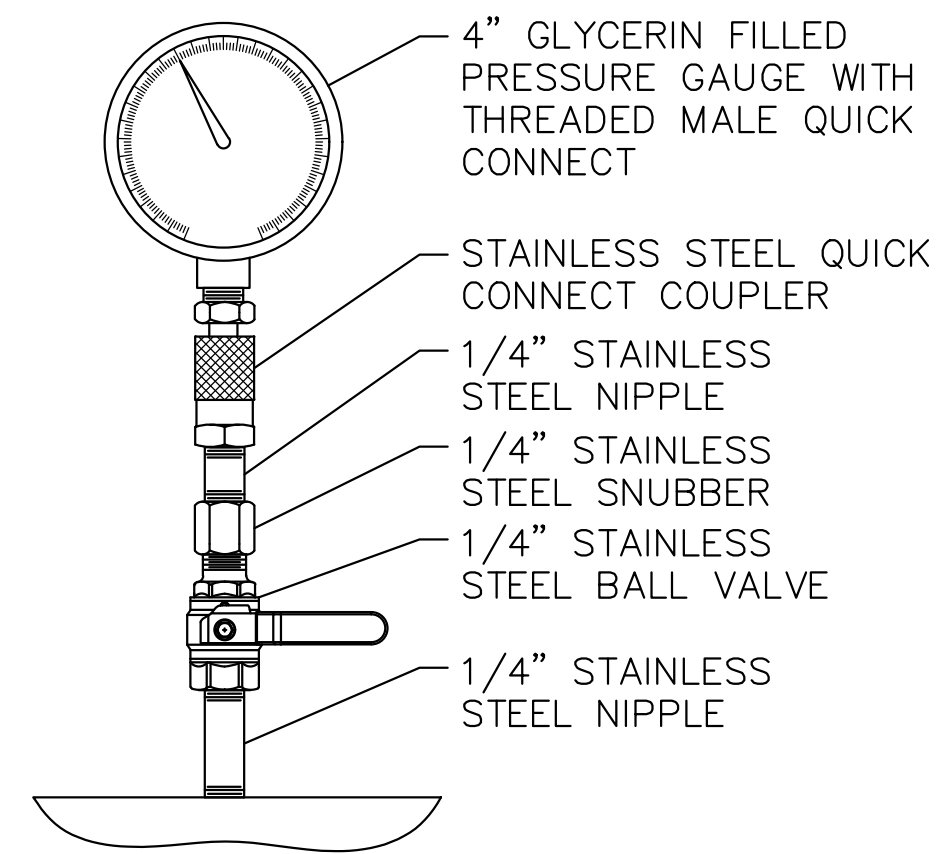
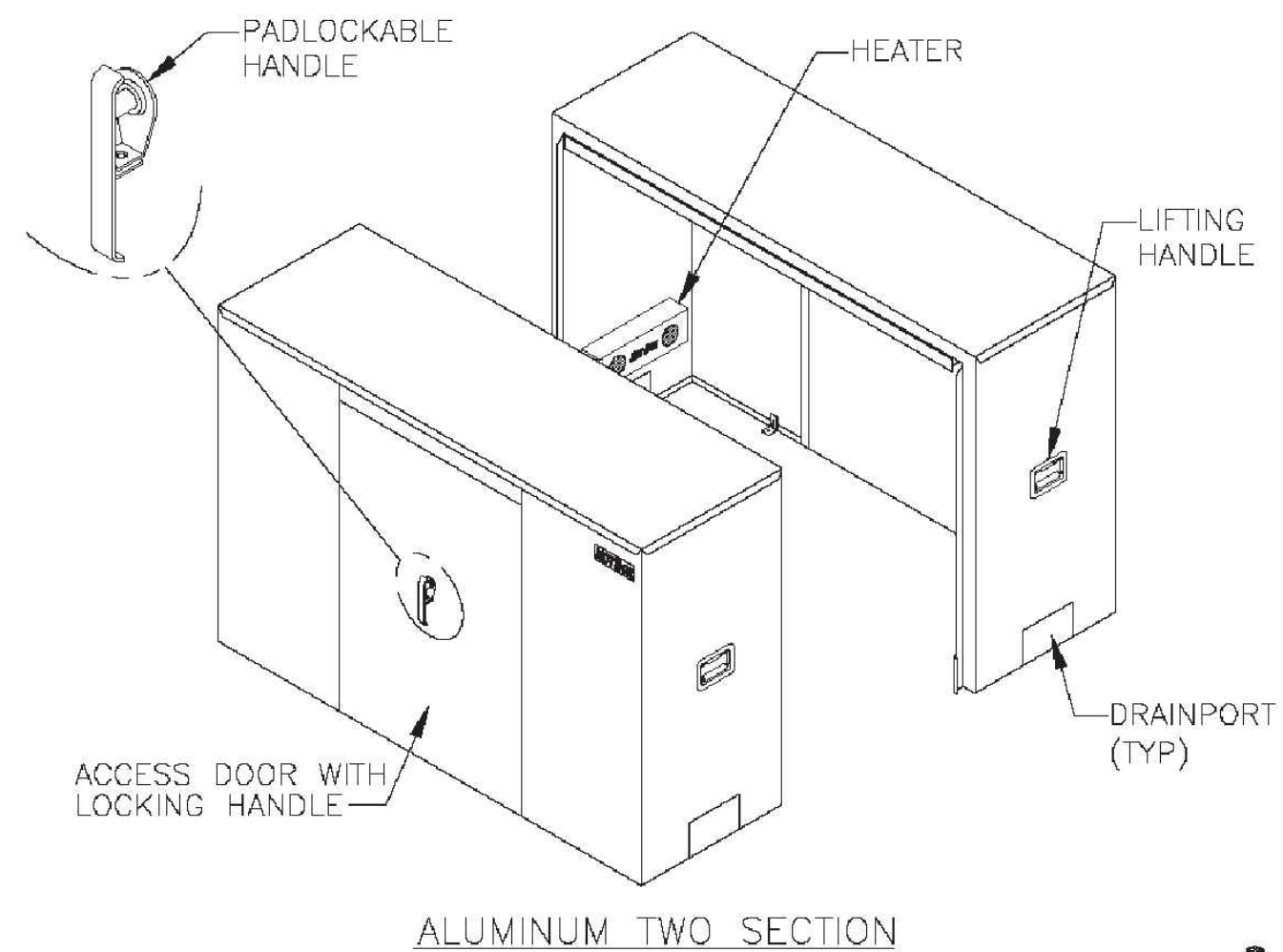


NOTES:

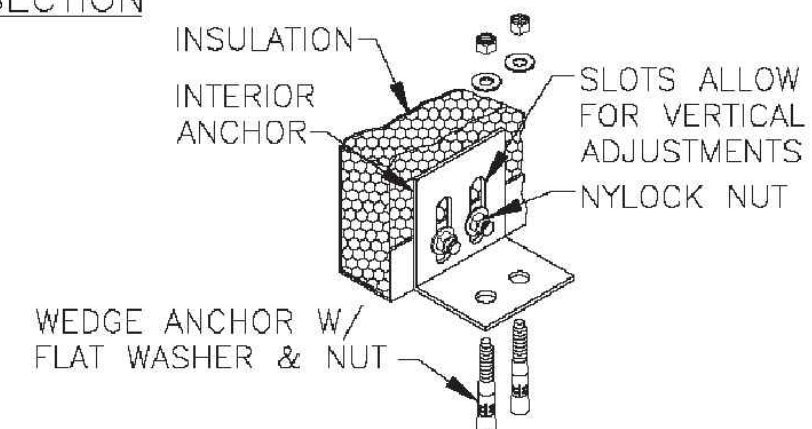
1. PLANS MUST BE APPROVED BY THE MUNICIPAL AUTHORITY OF THE BOROUGH OF LEWISTOWN.
2. ANY PLAN CHANGES MUST BE APPROVED BY THE MUNICIPAL AUTHORITY OF THE BOROUGH OF LEWISTOWN.
3. TEE CONNECTION FOR FIRE LINE AND DOMESTIC WATER SUPPLY SHALL BE CONNECTED AS REQUIRED.
4. ALL MATERIALS SHALL BE AWWA AND NSF 61 APPROVED.
5. ALL PIPING GREATER THAN OR EQUAL TO 4 INCHES IN DIAMETER SHALL BE DUCTILE IRON. PIPING LESS THAN 4 INCHES WILL BE AS APPROVED BY THE MUNICIPAL AUTHORITY.
6. ISOLATION GATE VALVES OR BALL VALVES FOR RPZ MUST BE SUPPLIED AS PART OF THE RPZ ASSEMBLY AND SIZED APPROPRIATELY.
7. ALL RPZ ASSEMBLIES MUST BE INSTALLED HORIZONTALLY.
8. CONCRETE THRUST BLOCKS MUST BE USED ON ALL UNDERGROUND BENDS AND TEES.
9. FIRE LINES DO NOT REQUIRE A METER UNLESS A TANK IS PRESENT OR CONCERNS ARE BROUGHT UP BY THE AUTHORITY.



PRESSURE GAUGE DETAIL
SCALE: NONE



ALUMINUM TWO SECTION



DOUBLE ANCHOR DETAIL
LOCATED ON EACH SIDE OF SEAMS

ALUMINUM HOT BOX
SCALE: NONE

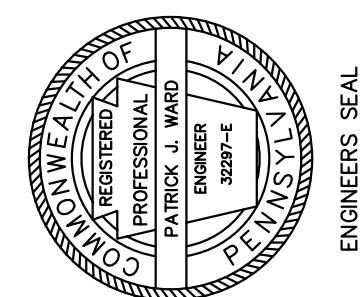
Label	Item	Pipe Diameter (in.)	Item Dimension	Units
a	Pressure Reducing Valve Total Length	2	9.38	Inches
		2.5	11	
		3	12	
		4	15	
		6	20	
b	Straight Pipe Length Upstream of Meter	8	25.38	Inches
		2	10	
		2.5	12.5	
		3	15	
		4	20	
		6	30	
c	Straight Pipe Length Downstream of Meter	8	40	Inches
		2	8	
		2.5	10	
		3	12	
		4	16	
d	Meter with Strainer Total Length	6	24	Inches
		8	32	
		2	15-1/4	
		2.5	USE 2" METER	
		3	17	
		4	20	
e	Reduced Pressure Zone Assembly Total Length	6	24	Inches
		8	30-1/8	
		2	21-3/8	
		2.5	41-1/4	
		3	42-1/4	
f	Ball Valve Total Length	4	20	Inches
		6	24	
		2	7	
		2.5	7.5	
		3	8	
		4	9	
g	Gate Valve Total Length	6	10.5	Inches
		8	11.5	
		2	7	
		2.5	7.5	
		3	8	
h	Reduced Pressure Detector Assembly Total Length	4	9	Inches
		6	10.5	
		2	USE 2.5" PIPE SIZE	
		2.5	30-3/4	
		3	31-3/4	
		4	33-3/4	
		6	43-1/2	
		8	49-3/4	

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING.
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

DATE

REV. DESCRIPTION

DESIGNED BY: MAC
CHECKED BY: P.U.W.
DRAWN BY: J.L.H.
10-23-20

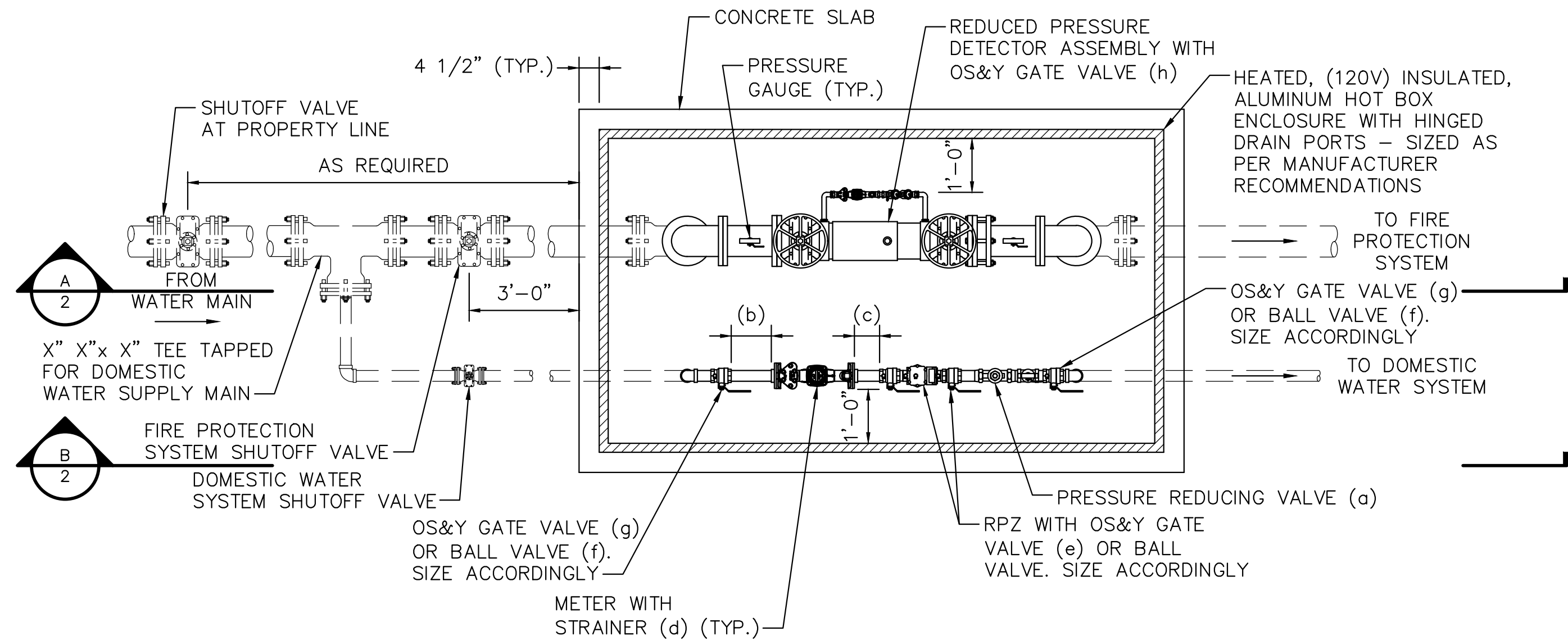


THE MUNICIPAL AUTHORITY
OF THE BOROUGH OF LEWISTOWN
CROSS CONNECTION DETAILS
METERING PLAN NOTES AND DETAILS

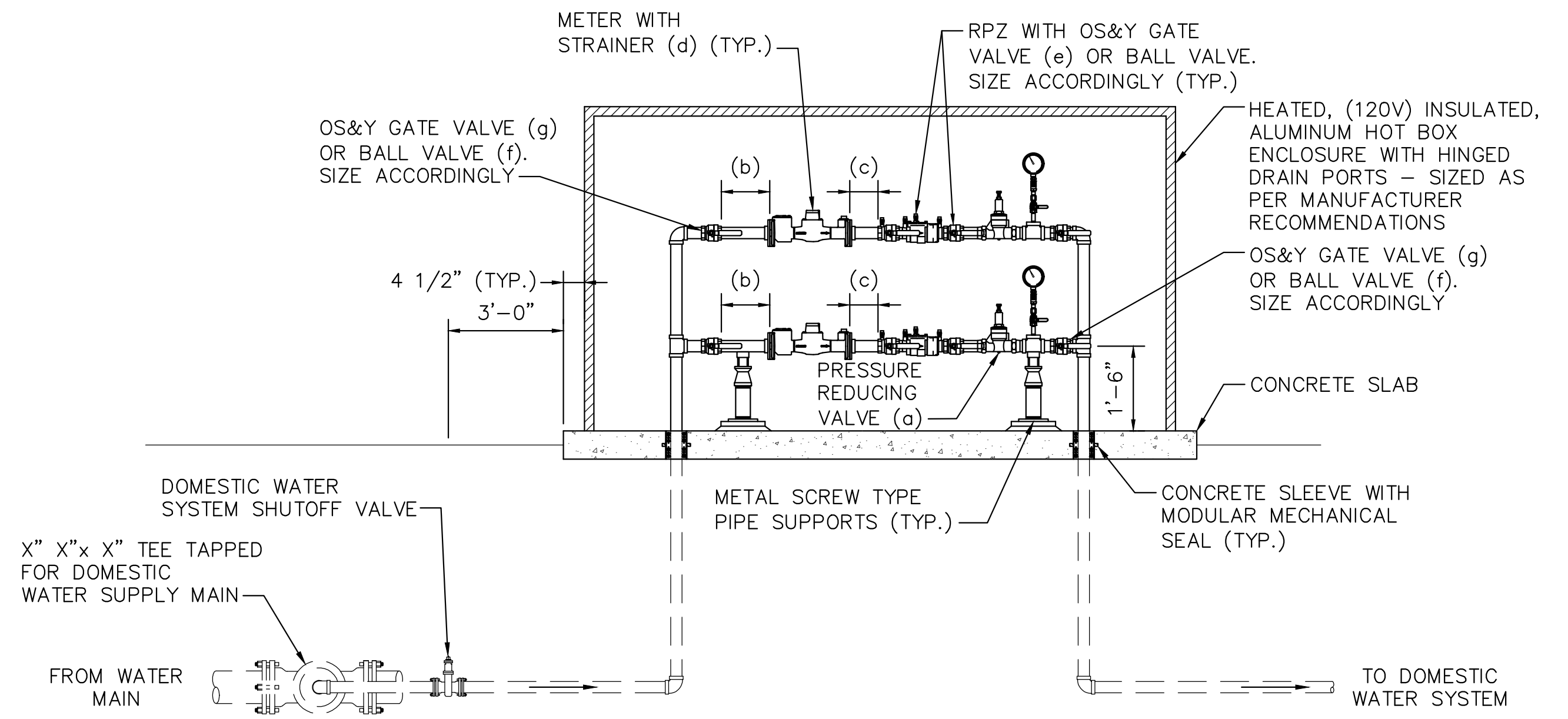
SCALE
AS NOTED
PROJECT NO.
0179049007
SHEET NO.
1

I:\0179\049007\CADD\5\CROSS CONNECTION DETAILS.DWG

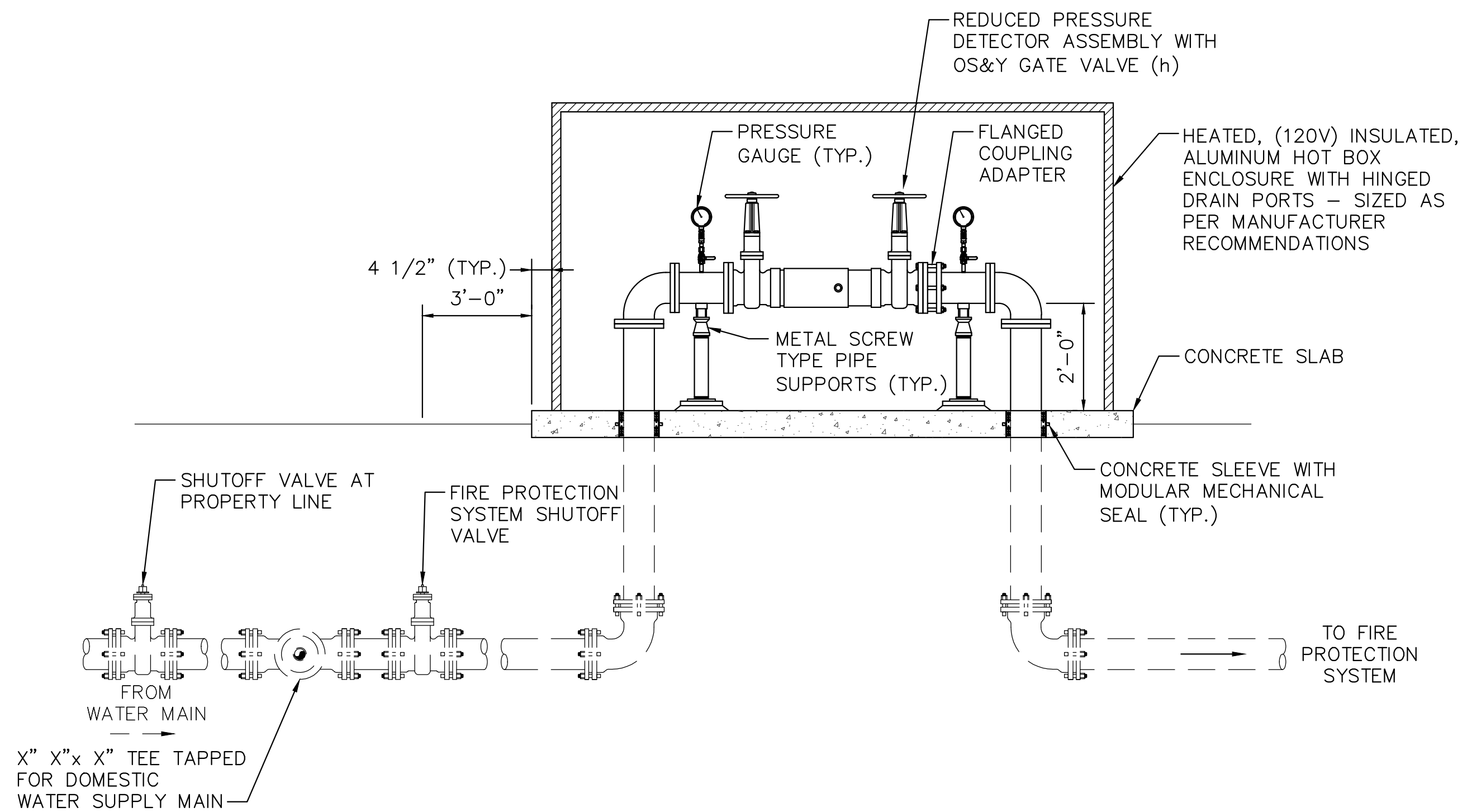
HOT BOX INSTALLATION DETAILS



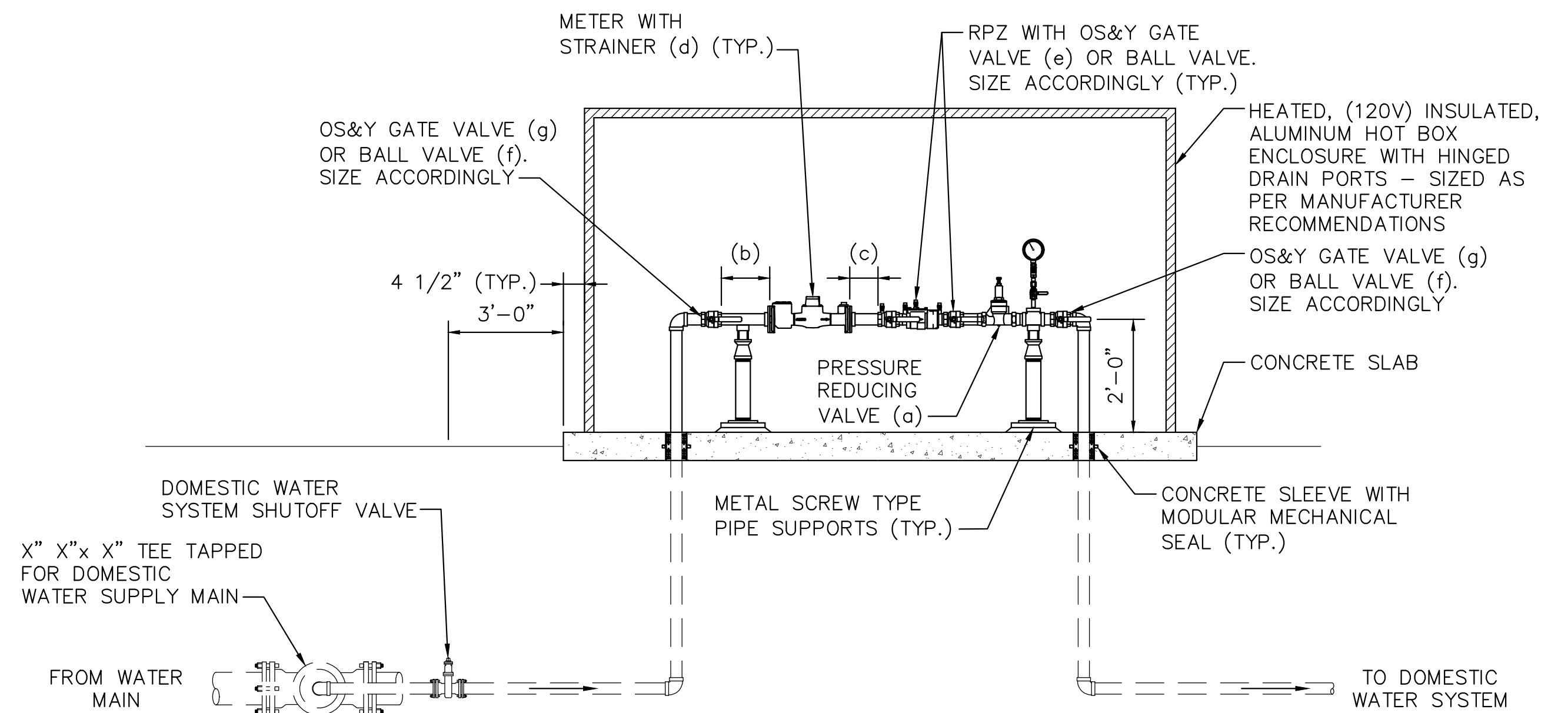
PLAN
 SCALE: 1/2"=1'-0"



SECTION
 SCALE: 1/2"=1'-0"



SECTION
 SCALE: 1/2"=1'-0"



SECTION (WITHOUT DOMESTIC BYPASS)
 SCALE: 1/2"=1'-0"

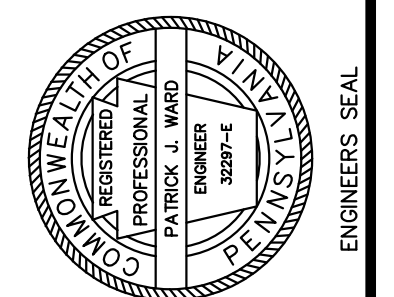
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VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY

DATE

REV. DESCRIPTION

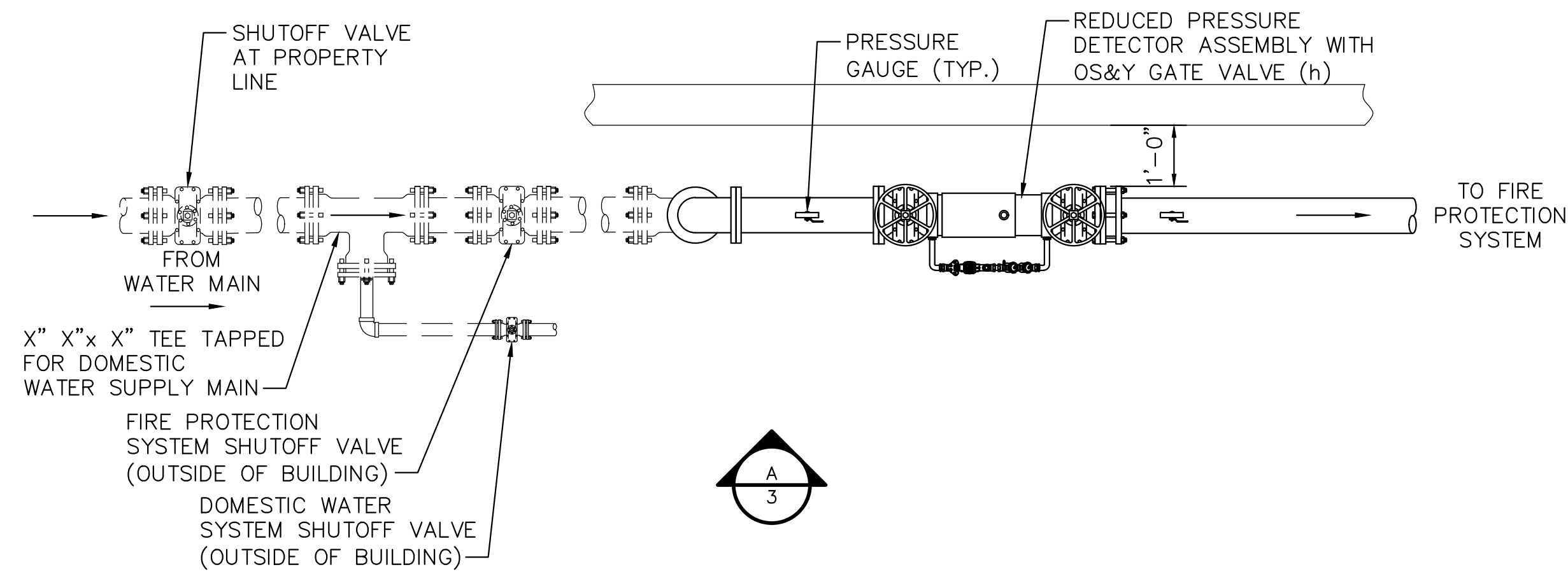
DESIGNED BY: MAC
 CHECKED BY: P.U.W.
 DRAWN BY: J.L.H.
 10-23-20



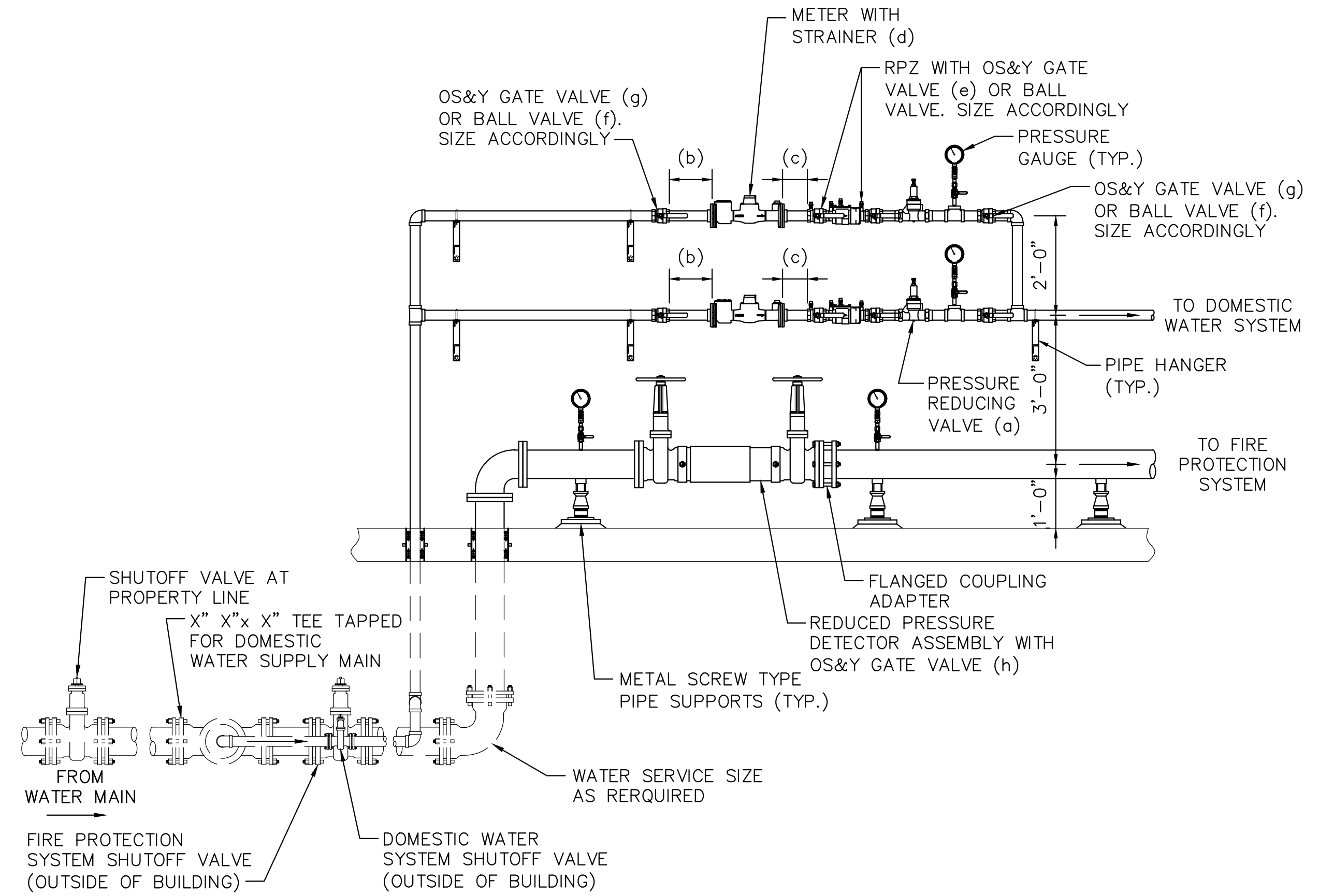
THE MUNICIPAL AUTHORITY OF THE BOROUGH OF LEWISTOWN
 CROSS CONNECTION DETAILS
 METERING PLANS

SCALE AS NOTED
 PROJECT NO. 0179049007
 SHEET NO. 2

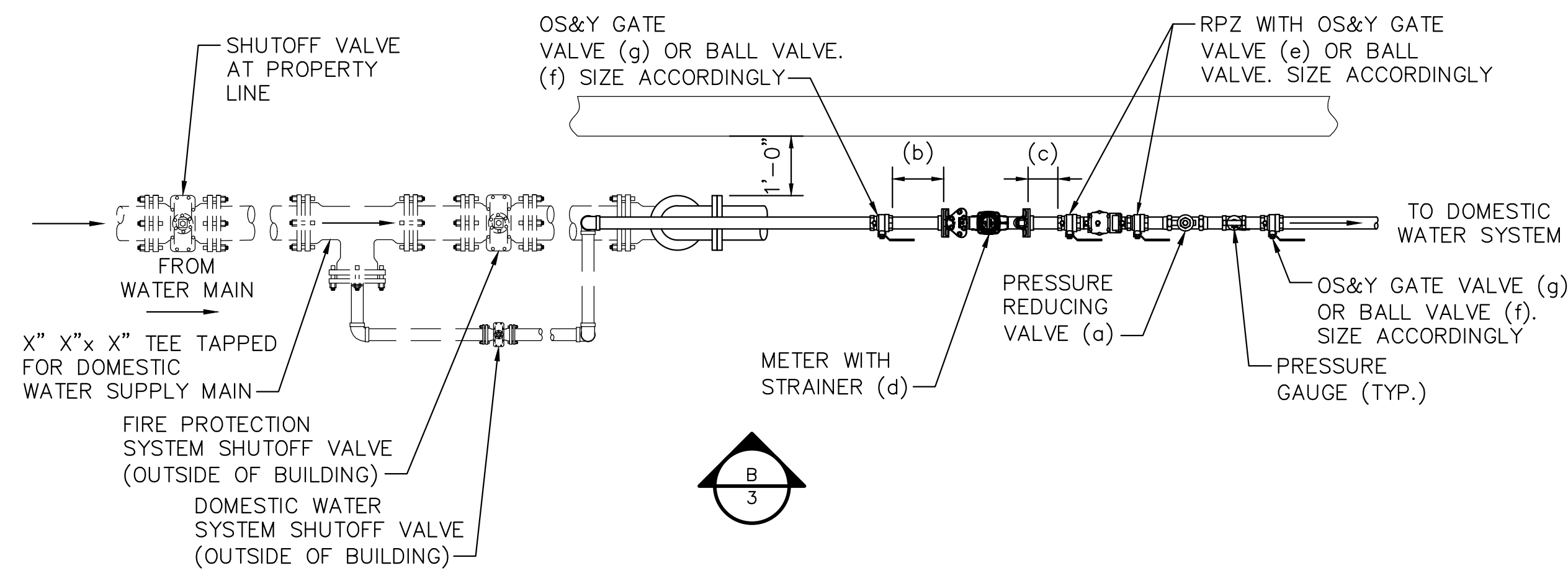
MECHANICAL ROOM INSTALLATION DETAILS



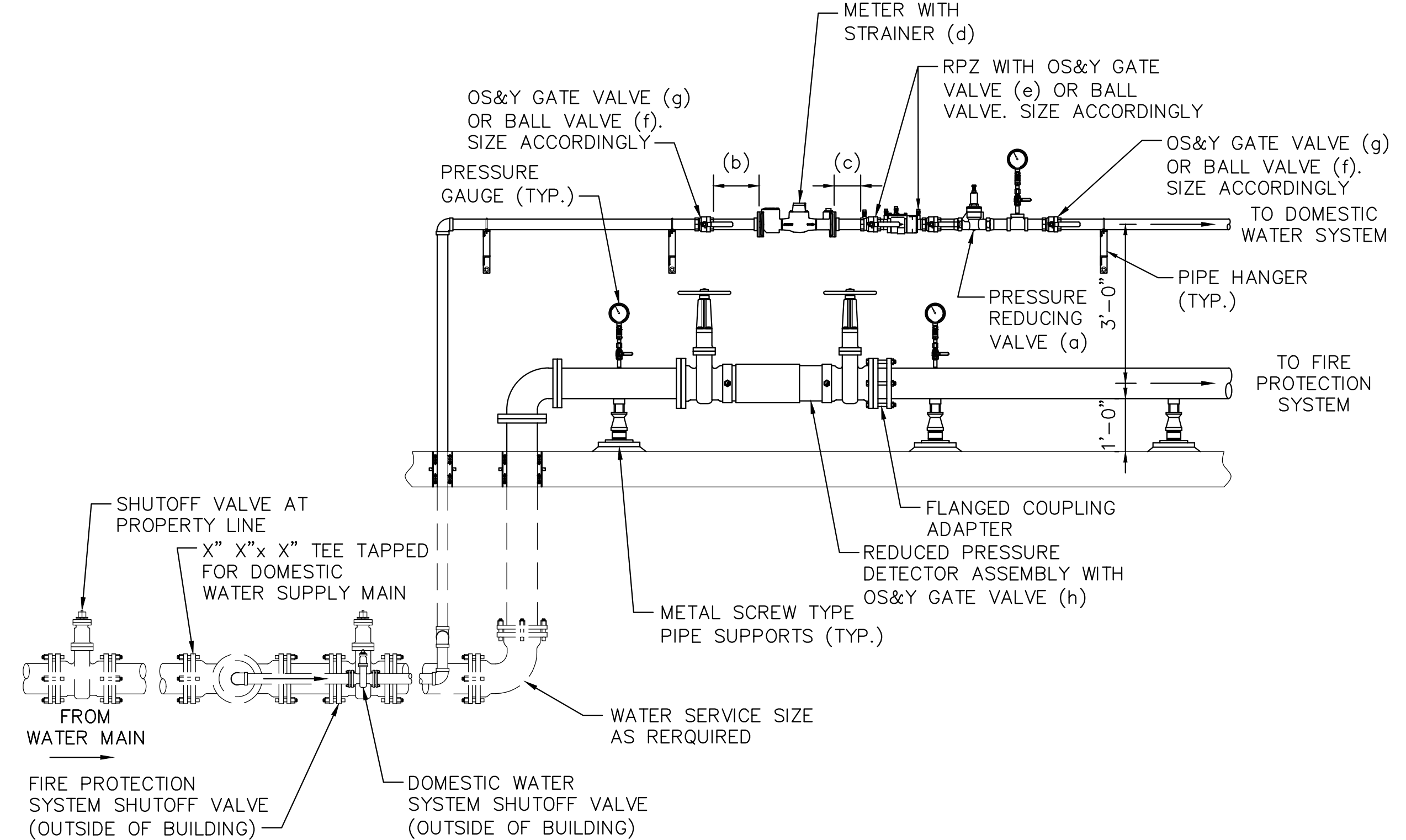
FIRE PROTECTION SYSTEM PLAN
SCALE: 1/2"=1'-0"



ELEVATION
SCALE: 1/2"=1'-0"



DOMESTIC WATER SYSTEM PLAN
SCALE: 1/2"=1'-0"



ELEVATION (WITHOUT DOMESTIC BYPASS)
SCALE: 1/2"=1'-0"

VERIFY SCALES: BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

DATE:

DESIGNED BY: MAC
CHECKED BY: P.U.W.
DRAWN BY: J.L.H.

REV. DESCRIPTION

10-23-20

MUNICIPAL AUTHORITY OF THE BOROUGH OF LEWISTOWN

ENGINEER'S SEAL: PATRICK J. WARD, REGISTERED PROFESSIONAL ENGINEER, PENNSYLVANIA, No. 50974

THE MUNICIPAL AUTHORITY OF THE BOROUGH OF LEWISTOWN
CROSS CONNECTION DETAILS
METERING PLANS

SCALE: AS NOTED
PROJECT NO. 0179049007
SHEET NO. 3

I:\0179\049007\CADD\SYSTEMS\CROSS CONNECTION DETAILS.DWG