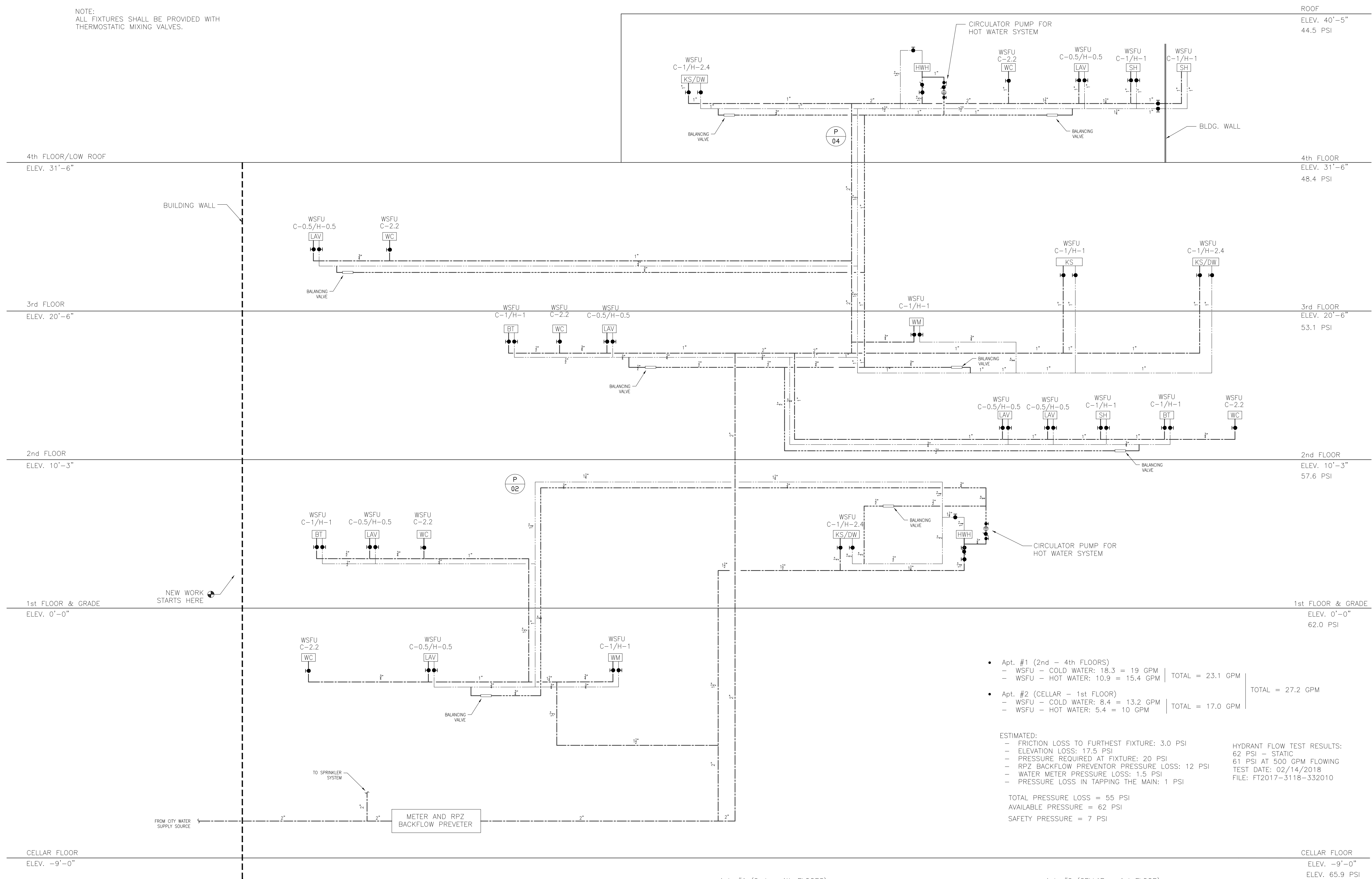


GAS RISER DIAGRAM
NTS

No.	Description	Date
0	ISSUED FOR D.O.B. APPROVAL	04/18/2016

NOTE:
ALL FIXTURES SHALL BE PROVIDED WITH
THERMOSTATIC MIXING VALVES.



- Apt. #1 (2nd - 4th FLOORS)
 - WSFU - COLD WATER: 18.3 = 19 GPM
 - WSFU - HOT WATER: 10.9 = 15.4 GPM
 - TOTAL = 23.1 GPM
 - Apt. #2 (CELLAR - 1st FLOOR)
 - WSFU - COLD WATER: 8.4 = 13.2 GPM
 - WSFU - HOT WATER: 5.4 = 10 GPM
 - TOTAL = 17.0 GPM
- TOTAL = 27.2 GPM
- ESTIMATED:
- FRICITION LOSS TO FURTHEST FIXTURE: 3.0 PSI
 - ELEVATION LOSS: 17.5 PSI
 - PRESSURE REQUIRED AT FIXTURE: 20 PSI
 - RPZ BACKFLOW PREVENTOR PRESSURE LOSS: 12 PSI
 - WATER METER PRESSURE LOSS: 1.5 PSI
 - PRESSURE LOSS IN TAPPING THE MAIN: 1 PSI
- HYDRANT FLOW TEST RESULTS:
- 62 PSI - STATIC
 - 61 PSI AT 500 GPM FLOWING
 - TEST DATE: 02/14/2018
 - FILE: FT2017-3118-332010
- TOTAL PRESSURE LOSS = 55 PSI
AVAILABLE PRESSURE = 62 PSI
SAFETY PRESSURE = 7 PSI

- Apt. #1 (2nd - 4th FLOORS)
 - HEAT LOSS ON HOT WATER SUPPLY & RETURN PIPE:
MAX. ESTIMATED: 16,700 Btu/hr
 - CIRCULATION FLOW RATE FOR 20°F TEMP. DIFFERENTIAL:
16,700 BTU/HR / 10,000 = 1.7 GPM
 - ESTIMATED FRICTION LOSS PRESSURE: 3 PSI
 - RECIRCULATOR PUMP: TACO SERIES 00
MODEL IL007 RATED 5 GPM @ 9' HEAD (3.8 PSI)
- Apt. #2 (CELLAR - 1st FLOOR)
 - HEAT LOSS ON HOT WATER SUPPLY & RETURN PIPE:
MAX. ESTIMATED: 11,500 Btu/hr
 - CIRCULATION FLOW RATE FOR 20°F TEMP. DIFFERENTIAL:
11,500 BTU/HR / 10,000 = 1.2 GPM
 - ESTIMATED FRICTION LOSS PRESSURE: 2 PSI
 - RECIRCULATOR PUMP: TACO SERIES 00
MODEL IL006 RATED 5 GPM @ 6' HEAD (2.7 PSI)

GAS RISER DIAGRAM
NTS

Professional Seal

PLUMBING DRAWINGS SET

No.	Description	Date
0	ISSUED FOR D.O.B. APPROVAL	

WATER SUPPLY RISER DIAGRAM

Project number
Date

P-

Scale NTS