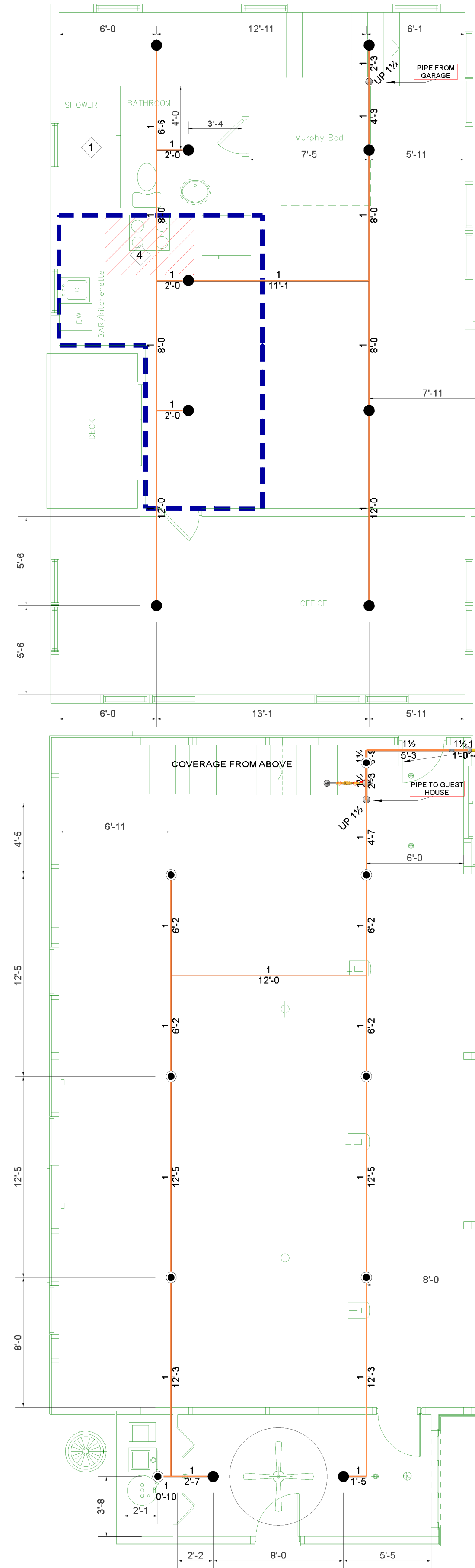


GUEST HOUSE



HYDRAULIC INFORMATION	
Remote Area 3	
OCCUPANCY CLASSIFICATION	Residential- Guest House
DENSITY	0.050gpm/ft ² for 127.74ft ² (Actual 172.74ft ²)
TOTAL HEADS FLOWING	0
K-FACTOR	0
TOTAL WATER REQUIRED	0.00
TOTAL PRESSURE REQUIRED	0.000
SAFETY MARGIN (psi)	+0.000 (0.0%)

RISER LOCATION

FDC LOCATION

Supply Flow Test Data	
REQUIRED WATER	
Static Pressure	45.000
Residual Pressure	35.000
Flow	75.00

GARAGE

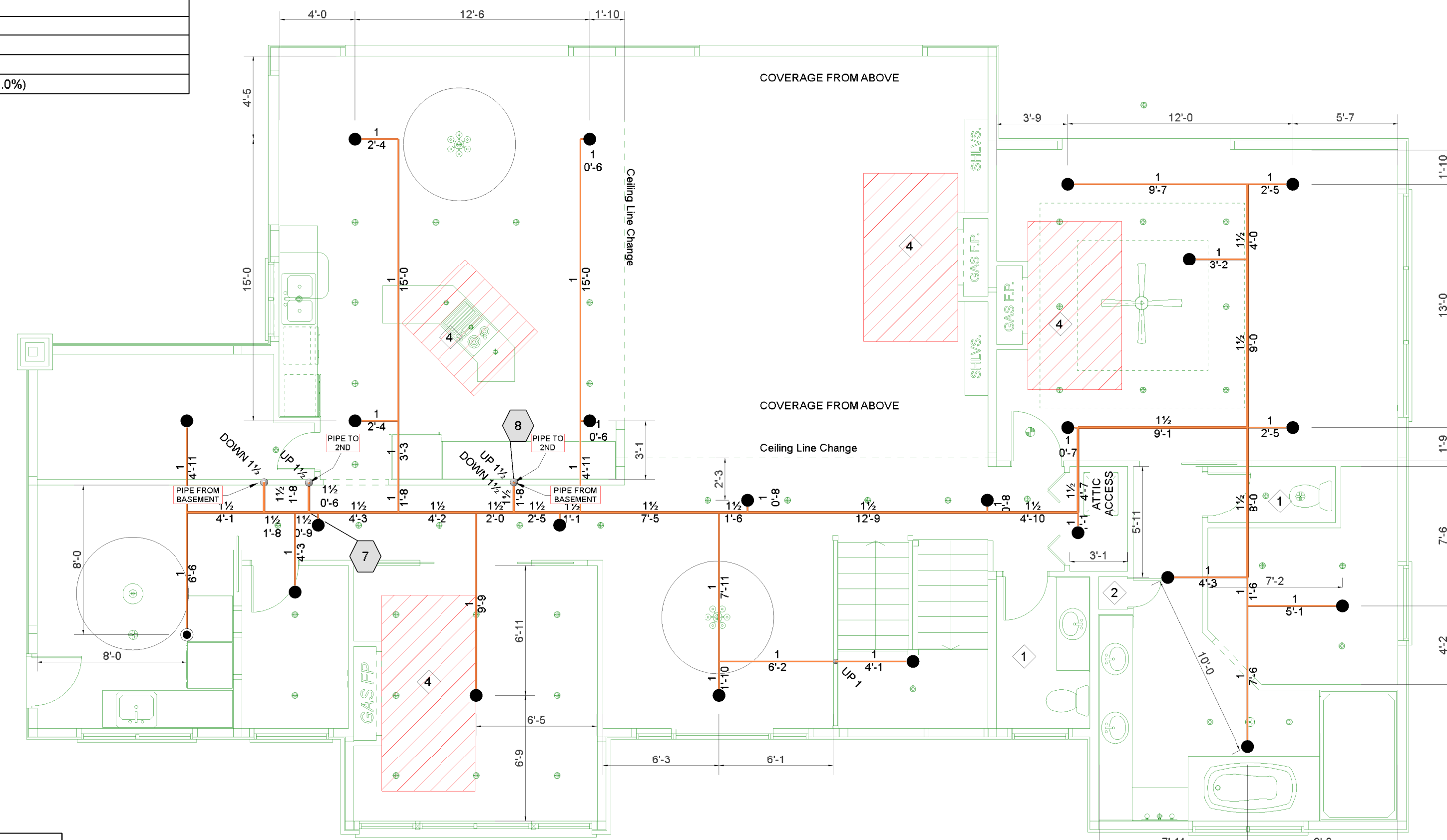
HYDRAULIC INFORMATION	
Remote Area 1	
OCCUPANCY CLASSIFICATION	Residential- 20x20
DENSITY	0.050gpm/ft ² for 153.87ft ² (Actual 153.87ft ²)
TOTAL HEADS FLOWING	1
K-FACTOR	4.9
TOTAL WATER REQUIRED	20.00
TOTAL PRESSURE REQUIRED	35.557
BASE of RISER (gpm)	20.00
BASE of RISER (psi)	33.823
SAFETY MARGIN (psi)	+8.731 (19.7%)

RISER LOCATION

FDC LOCATION

Supply Flow Test Data	
REQUIRED WATER	
Static Pressure	45.000
Residual Pressure	35.000
Flow	75.00

BASEMENT



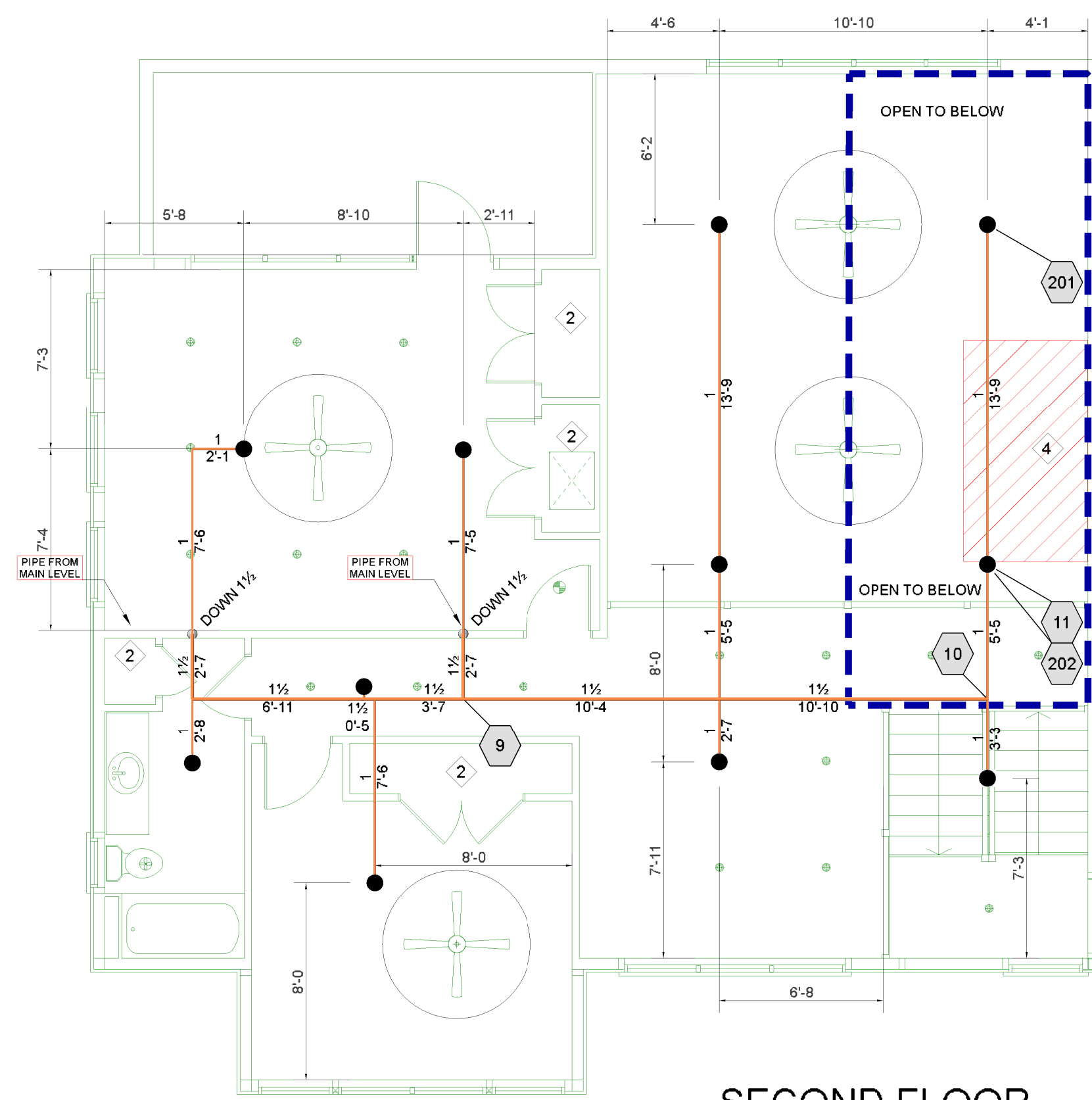
MAIN LEVEL

HYDRAULIC INFORMATION	
Remote Area 2	
OCCUPANCY CLASSIFICATION	Residential- 2nd level Great Room
DENSITY	0.050gpm/ft ² for 247.23ft ² (Actual 247.23ft ²)
TOTAL HEADS FLOWING	2
K-FACTOR	4.9
TOTAL WATER REQUIRED	26.49
TOTAL PRESSURE REQUIRED	37.525
BASE of RISER (gpm)	26.49
BASE of RISER (psi)	35.791
SAFETY MARGIN (psi)	+6.228 (14.2%)

KEY NOTES

- 1 ACCORDING TO NFPA 13D BATHROOMS UNDER 55 SQ. FT. ARE NOT REQUIRED TO BE SPRINKLED.
- 2 ACCORDING TO NFPA 13D CLOSETS UNDER 24 SQ.FT. AND SHORTEST DIMENSION NOT EXCEEDING 3' ARE NOT REQUIRED TO BE SPRINKLED.
- 3 ACCORDING TO NFPA 13D SPRINKLERS MUST STAY 3 FEET AWAY FROM OBSTRUCTIONS SUCH AS CEILING FANS AND PENDENT LIGHTS.
- 4 ACCORDING TO NFPA 13D SPRINKLERS MUST BE 18" FROM AN OVEN AND 5" FROM FRONT OF FIREPLACE AND 3" FROM SIDE OF FIREPLACE FOR ORDINARY TEMP SPRINKLERS AND 1 FOOT FROM THE SIDE AND 3 FEET FROM THE FRONT OF FIREPLACE FOR AN INTERMEDIATE SPRINKLER.

SECOND FLOOR



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I have reviewed these plans and certify that they comply with the adopted NFPA standards.

Nicec Name: Ben Stewart
 NCET Level III: 120589
 Date of Review: 03/09/18
 AS-BUILT SUBMITTAL OTHER

REVISIONS		
NO.	DATE	DESCRIPTION
03/09/18		FOR APPROVAL

DRAWN BY: Ben Stewart
 ben.stewart@wspj.us

PROJECT NUMBER: 1

Symbol	Manufacturer	Model	Quantity	K-Factor	Type	Scm	Resp	Finch	Temp	
									White	150°F
●	Rabbee	R0356	1	4.9	Ordinary	1	4.9	White	150°F	
●	Rabbee	R0356	1	4.9	Ordinary	1	4.9	White	150°F	
				Total =						
				2						

