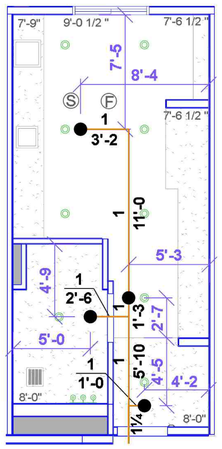
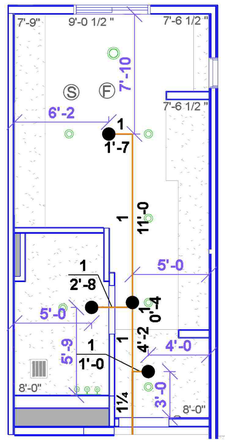
UNIT PLAN STUDIO

MAX SPACING IN THIS UNIT TYPE IS 170 SQFT.



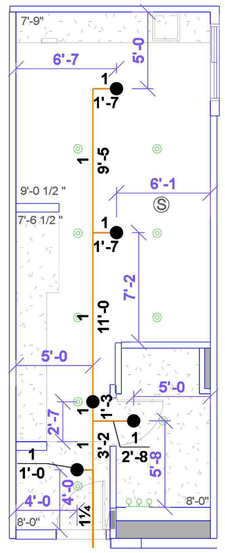
UNIT PLAN STUDIO M

MAX SPACING IN THIS UNIT TYPE IS 170 SQFT.



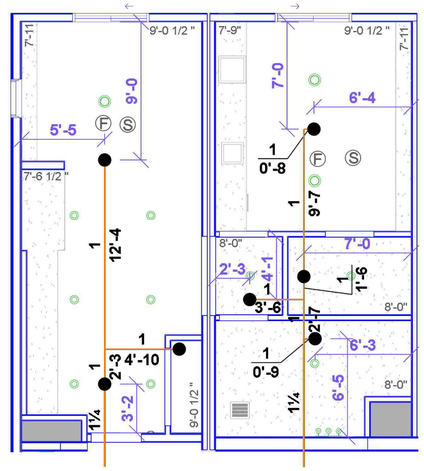
UNIT PLAN STUDIO (LONG)

MAX SPACING IN THIS UNIT TYPE IS 170 SQFT.



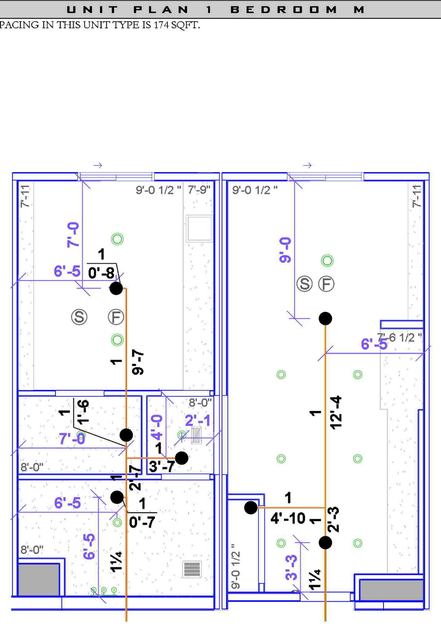
UNIT PLAN 1 BEDROOM

MAX SPACING IN THIS UNIT TYPE IS 170 SQFT.



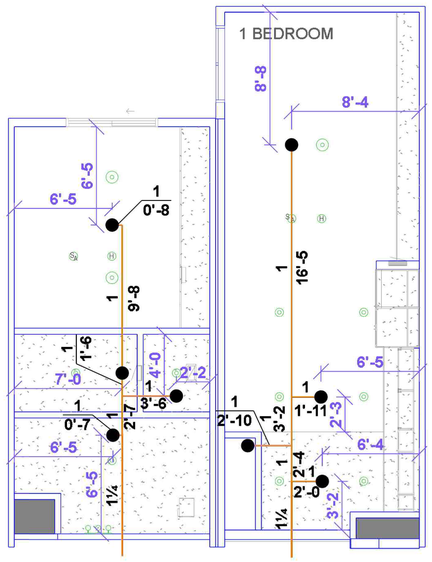
UNIT PLAN 1 BEDROOM M

MAX SPACING IN THIS UNIT TYPE IS 174 SQFT.



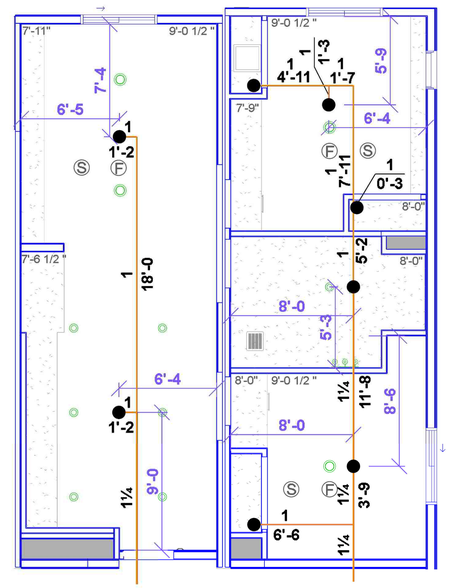
UNIT PLAN 1 BEDROOM (LONG)

MAX SPACING IN THIS UNIT TYPE IS 170 SQFT.



UNIT PLAN 2 BEDROOM

MAX SPACING IN THIS UNIT TYPE IS 211 SQFT.



SPRINKLER LEGEND

Symbol	Manufacturer	SIN	Model	K-Factor	Type	Size	Response	Finish	Temperature	Escutcheon	Note
●	Tyco	TY2534	LFII	4.9	Pendent	½	Fast	White	175°F	Concealed	Varies By Unit
◐	Tyco	TY3531	RFII	5.6	Pendent	½	Quick	White	200°F	Concealed	

PIPE LEGEND

WET CPVC

ENLARGED UNITS NOTE

ENLARGED UNITS ARE OUTSIDE OF SCOPE OF WORK AND ARE SHOWN FOR REFERENCE ONLY.

KEY NOTES

1. TYPICAL SYSTEM RISER
SEE DETAIL ON SHEET FP-D2
2. TYPICAL COMBINATION STANDPIPE
SEE DETAIL ON SHEET FP-D2
3. TYPICAL STANDPIPE
SEE DETAIL ON SHEET FP-D2
4. 6" TYPICAL STANDPIPE & HOSE VALVE CABINET
SEE DETAIL ON SHEET FP-D2
5. 6" DOWN TO FLOOR BELOW
ANNULAR CLEARANCE PER NFPA 13
6. 6" UP TO FLOOR ABOVE
ANNULAR CLEARANCE PER NFPA 13
7. 2" DRAIN UP TO FLOOR ABOVE
ANNULAR CLEARANCE PER NFPA 13
8. 2" DRAIN DOWN TO FLOOR BELOW
ANNULAR CLEARANCE PER NFPA 13
9. 2" DRAIN TO SANITARY CONNECTION
10. 1" AUXILIARY DRAIN
NIPPLE, VALVE & PLUG
11. 1" AUXILIARY DRAIN
PIPE TO SANITARY DRAIN
12. 9'-0 MAX. IN SMALL ROOMS
SEE DESIGN NOTE #1 ON SHEET FP-0.1
13. SPRINKLER OMITTED FROM BATHROOM
SEE DESIGN NOTE #2 ON SHEET FP-0.1
14. SPRINKLERS OMITTED FROM OVERHANG
SEE DESIGN NOTE #3 ON SHEET FP-0.1
15. SPRINKLERS OMITTED FROM VERTICAL SHAFT
SEE DESIGN NOTE #4 ON SHEET FP-0.1
16. LAUNDRY OR GARBAGE CHUTE SPRINKLER
PRE-INSTALLED & CONNECTED BY AEGIS
17. CPVC TO STEEL PIPE ADAPTER
THREADED OR GROOVED AS APPLICABLE

PIPING NOTES

1. BRANCHLINE PIPING TO BE INSTALLED 6" FROM BOTTOM OF SLAB TO CENTER OF PIPE, TYPICAL.
2. BULK MAINS TO BE INSTALLED 1-0" FROM BOTTOM OF DECK TO CENTER OF PIPE, TYPICAL.
3. SYSTEM MAINS TO BE INSTALLED 1-8" FROM BOTTOM OF DECK TO CENTER OF PIPE, TYPICAL.
4. ALL EXPOSED PIPING SHALL BE STEEL PIPE PER GENERAL NOTE # 17 ON SHEET FP-0.1.

CONCEALED SPACES

1. ALL CONCEALED COMBUSTIBLE SPACES SHALL BE ENTIRELY FILLED WITH NONCOMBUSTIBLE INSULATION.
2. SPRINKLERS SHALL BE OMITTED FROM CONCEALED COMBUSTIBLE SPACES ENTIRELY FILLED WITH NONCOMBUSTIBLE INSULATION PER NFPA 13, 9.2.1.7.

HATCH LEGEND

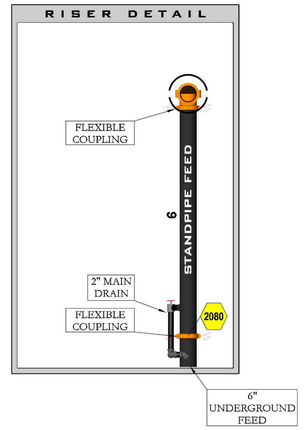
MODULAR SCOPE OF WORK - NOT IN SCOPE

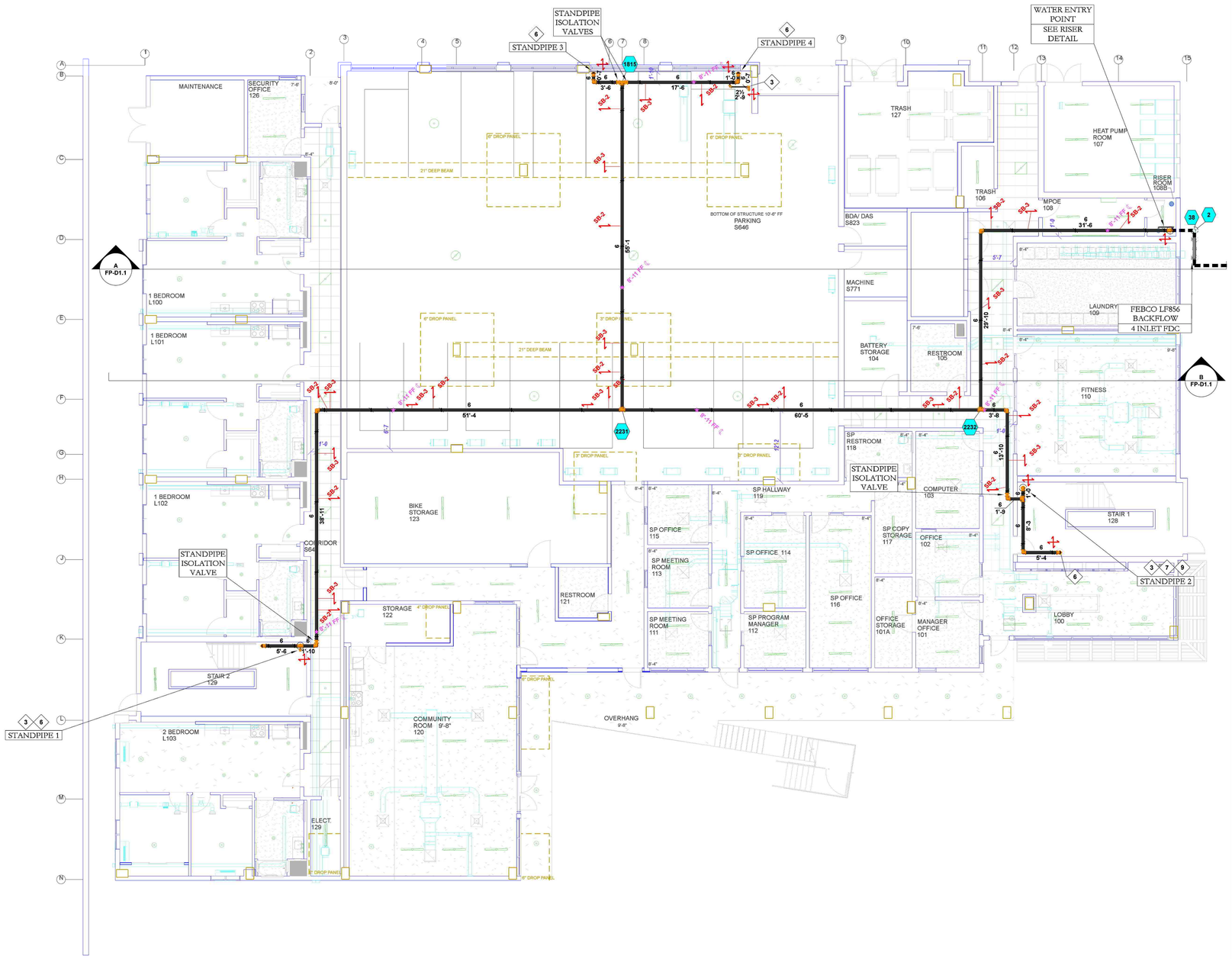
PIPE LEGEND

WET CPVC

WET STEEL

RISER DETAIL





KEY NOTES

1. TYPICAL SYSTEM RISER
SEE DETAIL ON SHEET FP-D2
2. TYPICAL COMBINATION STANDPIPE
SEE DETAIL ON SHEET FP-D2
3. TYPICAL STANDPIPE
SEE DETAIL ON SHEET FP-D2
4. 6" TYPICAL STANDPIPE & HOSE VALVE CABINET
SEE DETAIL ON SHEET FP-D2
5. 6" DOWN TO FLOOR BELOW
ANNULAR CLEARANCE PER NFPA 13
6. 6" UP TO FLOOR ABOVE
ANNULAR CLEARANCE PER NFPA 13
7. 2" DRAIN UP TO FLOOR ABOVE
ANNULAR CLEARANCE PER NFPA 13
8. 2" DRAIN DOWN TO FLOOR BELOW
ANNULAR CLEARANCE PER NFPA 13
9. 2" DRAIN TO SANITARY CONNECTION
10. 1" AUXILIARY DRAIN
NIPPLE, VALVE & PLUG
11. 1" AUXILIARY DRAIN
PIPE TO SANITARY DRAIN
12. 9'-0 MAX. IN SMALL ROOMS
SEE DESIGN NOTE #1 ON SHEET FP-0.1
13. SPRINKLER OMITTED FROM BATHROOM
SEE DESIGN NOTE #2 ON SHEET FP-0.1
14. SPRINKLERS OMITTED FROM OVERHANG
SEE DESIGN NOTE #3 ON SHEET FP-0.1
15. SPRINKLERS OMITTED FROM VERTICAL SHAFT
SEE DESIGN NOTE #4 ON SHEET FP-0.1
16. LAUNDRY OR GARBAGE CHUTE SPRINKLER
PRE-INSTALLED & CONNECTED BY AEGIS
17. CPVC TO STEEL PIPE ADAPTER
THREADED OR GROOVED AS APPLICABLE

PIPING NOTES

1. BRANCHLINE PIPING TO BE INSTALLED 6" FROM BOTTOM OF SLAB TO CENTER OF PIPE, TYPICAL.
2. BULK MAINS TO BE INSTALLED 1-0" FROM BOTTOM OF DECK TO CENTER OF PIPE, TYPICAL.
3. SYSTEM MAINS TO BE INSTALLED 1-8" FROM BOTTOM OF DECK TO CENTER OF PIPE, TYPICAL.
4. ALL EXPOSED PIPING SHALL BE STEEL PIPE PER GENERAL NOTE # 17 ON SHEET FP-0.1.

CONCEALED SPACES

1. ALL CONCEALED COMBUSTIBLE SPACES SHALL BE ENTIRELY FILLED WITH NONCOMBUSTIBLE INSULATION.
2. SPRINKLERS SHALL BE OMITTED FROM CONCEALED COMBUSTIBLE SPACES ENTIRELY FILLED WITH NONCOMBUSTIBLE INSULATION PER NFPA 13, 9.2.1.7.

AIR VENT NOTE

AS STATED IN NFPA 13 SECTION 16.7:
AT THE DISCRETION OF THE INSTALLER, AUTOMATIC AIR VENTS ARE TO BE INSTALLED BY ONE OF THE FOLLOWING METHODS
(1) MANUAL VALVE, MIN 1/2"
(2) AUTOMATIC AIR VENT
(3) REMOTE INSPECTOR'S TEST VALVE
(4) OTHER APPROVED MEANS

HATCH LEGEND

MODULAR SCOPE OF WORK - NOT IN SCOPE

PIPE LEGEND

WET CPVC
WET STEEL

SPRINKLER LEGEND

Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish	Temperature	Max Spacing	Escutcheon
	Tyco	TY3531	RFII	36	5.6	Pendent	½	Quick	White	200°F	150 sqft.	Concealed
	Tyco	TY2534	LFII	135	4.9	Pendent	½	Fast	White	175°F	See FP-0.5	Concealed
				Total = 171								

HYDRAULIC INFORMATION #4

Remote Area 4	
OCCUPANCY CLASSIFICATION	Light Hazard
DENSITY (gpm/ft²)	0.10 for 1500ft² (Actual 478ft²)
TOTAL HOSE STREAMS	100.0
TOTAL HEADS FLOWING	7
K-FACTOR	5.6
TOTAL WATER REQUIRED	212.2
TOTAL PRESSURE REQUIRED	81.4
BASE of RISER (gpm)	112.2
BASE of RISER (psi)	76.4
SAFETY MARGIN (psi)	+16.0 (16.4%)

HYDRAULIC INFORMATION #5

Remote Area 5	
OCCUPANCY CLASSIFICATION	Light Hazard
DENSITY (gpm/ft²)	0.10 for 1500ft² (Actual 302ft²)
TOTAL HOSE STREAMS	100.0
TOTAL HEADS FLOWING	4
K-FACTOR	4.9
TOTAL WATER REQUIRED	174.5
TOTAL PRESSURE REQUIRED	85.1
BASE of RISER (gpm)	74.5
BASE of RISER (psi)	80.3
SAFETY MARGIN (psi)	+12.6 (12.9%)

HYDRAULIC INFORMATION #6

Remote Area 6	
OCCUPANCY CLASSIFICATION	Light Hazard
DENSITY (gpm/ft²)	0.10 for 1500ft² (Actual 529ft²)
TOTAL HOSE STREAMS	100.0
TOTAL HEADS FLOWING	4
K-FACTOR	4.9
TOTAL WATER REQUIRED	187.8
TOTAL PRESSURE REQUIRED	83.9
BASE of RISER (gpm)	87.8
BASE of RISER (psi)	79.1
SAFETY MARGIN (psi)	+13.7 (14.0%)

HYDRAULIC INFORMATION #7

Remote Area 7	
OCCUPANCY CLASSIFICATION	Light Hazard
DENSITY (gpm/ft²)	0.10 for 1500ft² (Actual 334ft²)
TOTAL HOSE STREAMS	100.0
TOTAL HEADS FLOWING	4
K-FACTOR	4.9
TOTAL WATER REQUIRED	173.4
TOTAL PRESSURE REQUIRED	66.7
BASE of RISER (gpm)	73.4
BASE of RISER (psi)	61.9
SAFETY MARGIN (psi)	+31.0 (31.7%)



STANDPIPE ISOMETRIC VIEW

