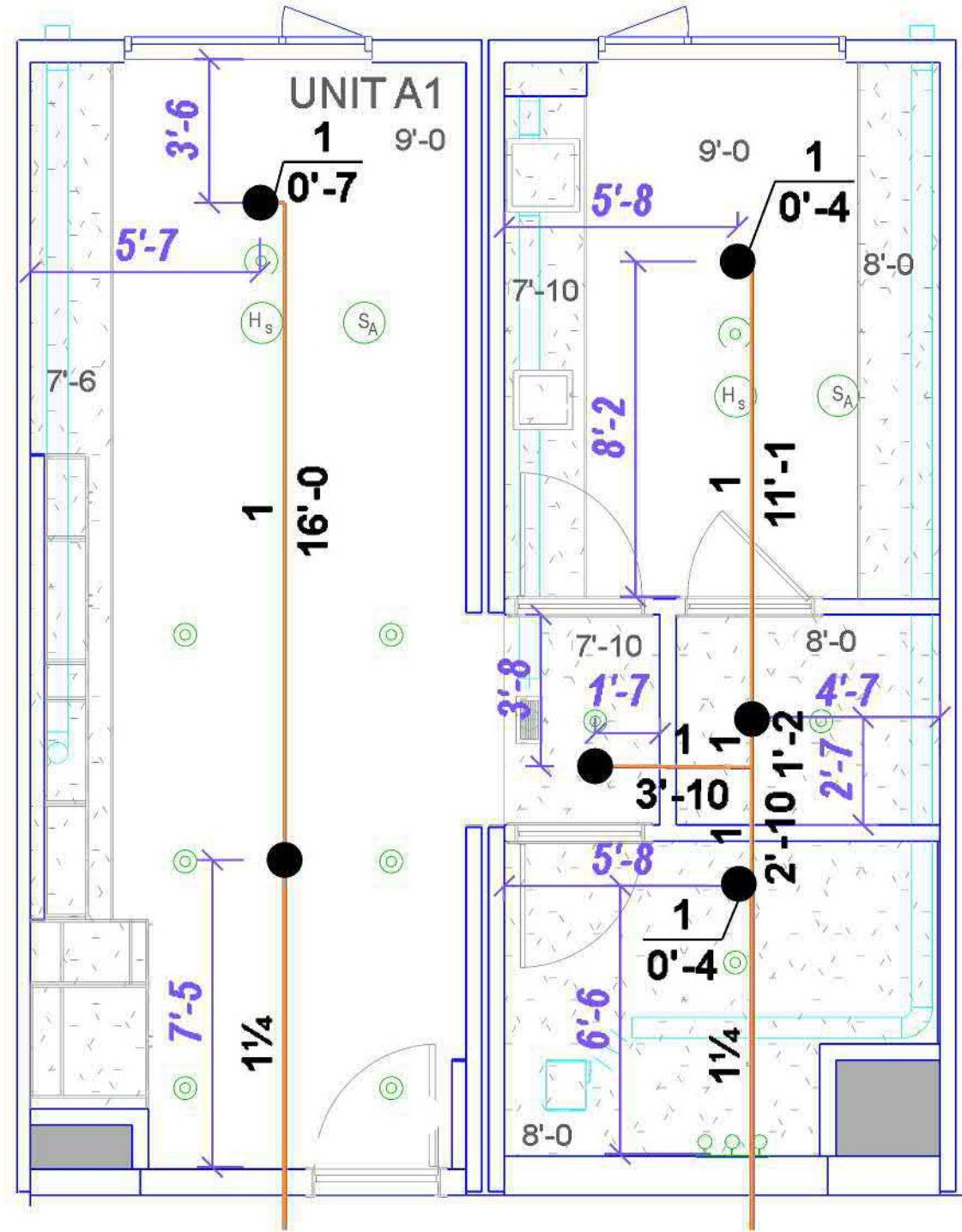
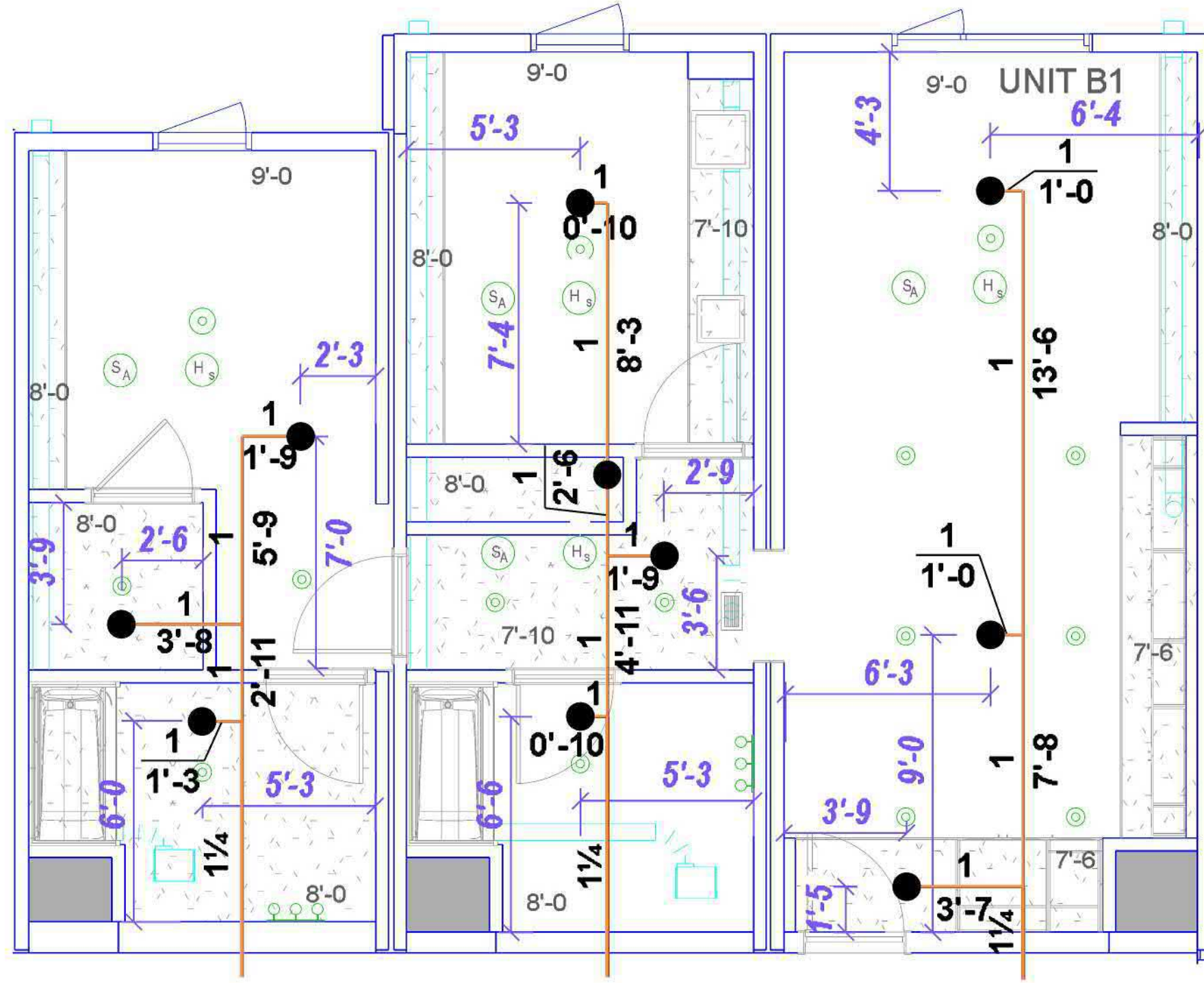


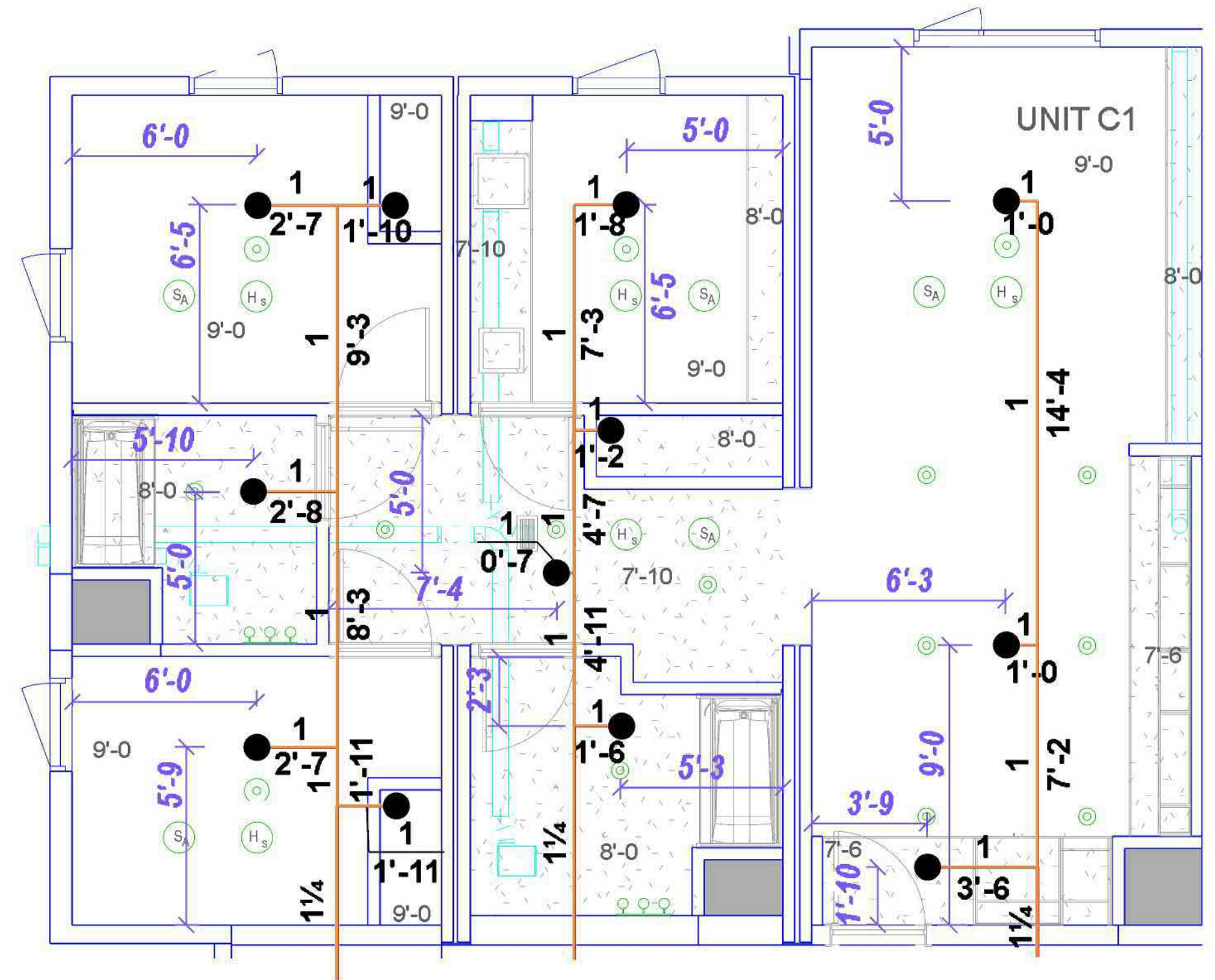
ENLARGED UNIT - A1



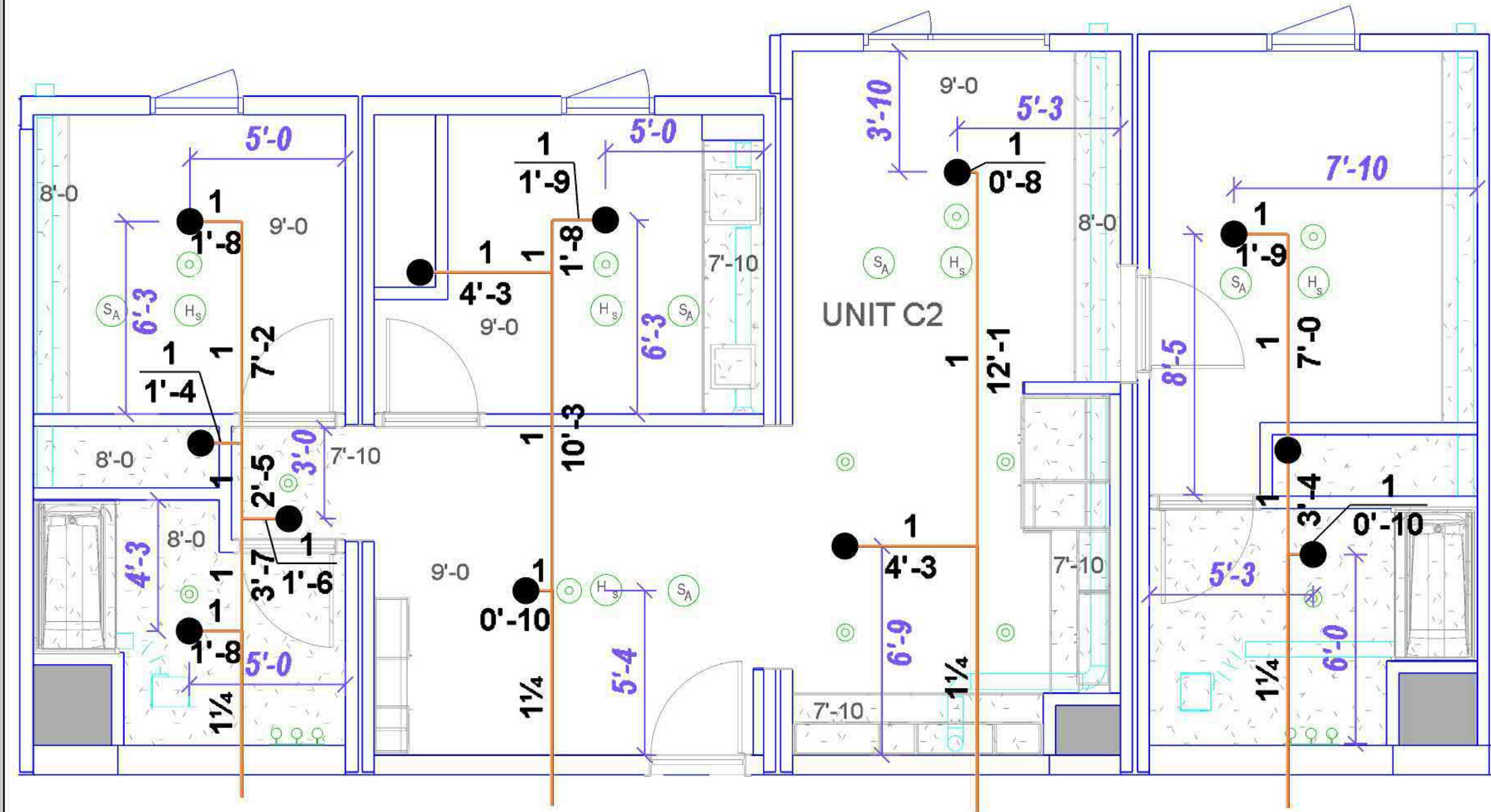
ENLARGED UNIT - B1



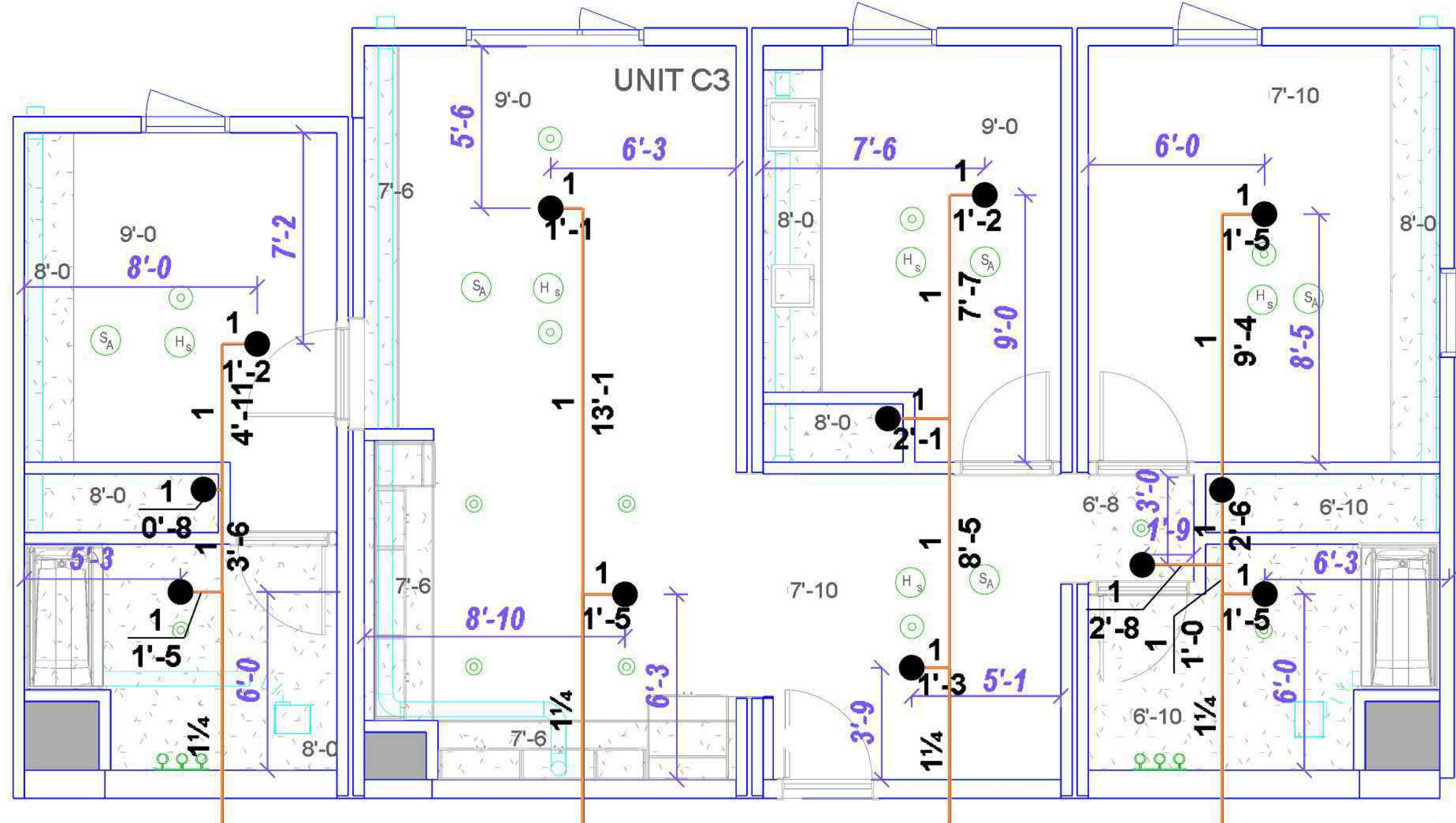
ENLARGED UNIT - C1



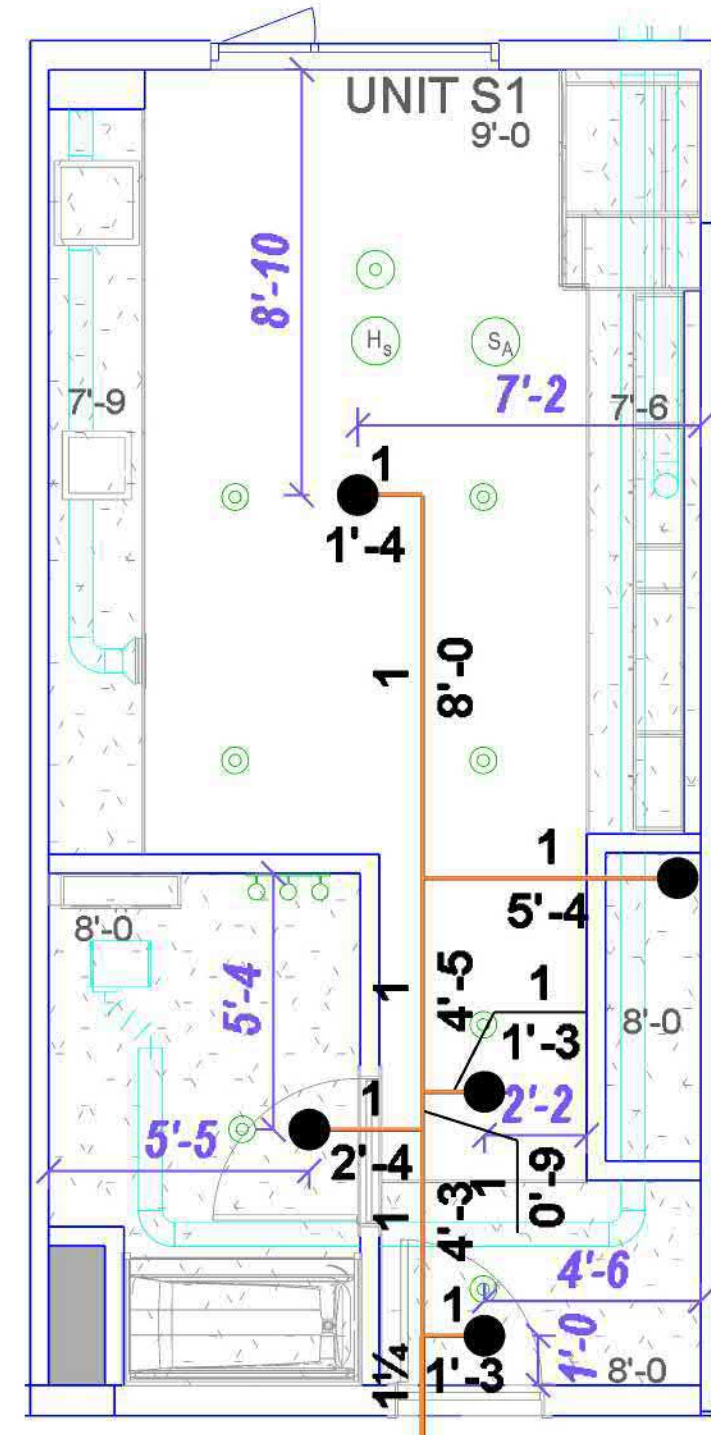
ENLARGED UNIT - C2



ENLARGED UNIT - C3



ENLARGED UNIT - S1



SPRINKLER LEGEND

Symbol	Manufacturer	SIN	Model	K-Factor	Type	Size	Response	Finish	Temperature	Escutcheons
	Tyco	TY2236	LP111	4.9	Pendent	1/2	Fast	White	175°F	Recessed
	Tyco	TY3231	TY-FRB	5.6	Pendent	1/2	Quick	White	200°F	Recessed

PIPE LEGEND

	WET CPVC
	WET STEEL

- 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

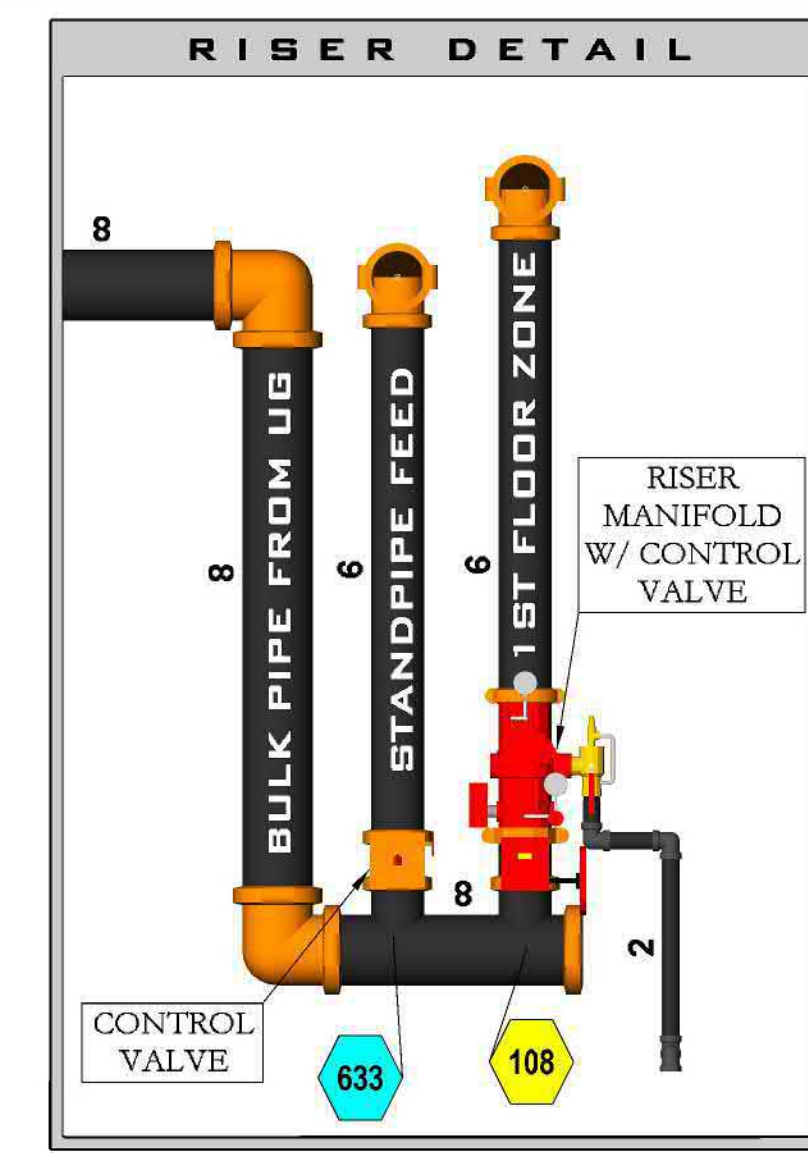
CPVC TO STEEL PIPE ADAPTER
THREADED OR GROOVED AS APPLICABLE

SPRINKLER LEGEND

Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish	Temperature	Note	Escutcheon
	Tyco	TY4151	TY-B	278	8	Upright	3/4"	Standard	Brass	200°F		N/A
	Tyco	TY3131	TY-FRB	46	5.6	Upright	1/2"	Quick	Brass	200°F		N/A
	Tyco	TY3331	TY-FRB	2	5.6	Horizontal Sidewall	1/2"	Quick	Chrome	200°F		N/A
	Tyco	TY3231	TY-FRB	39	5.6	Pendent	1/2"	Quick	White	200°F		N/A
	Tyco	TY2236	LFII	59	4.9	Pendent	1/2"	Fast	White	175°F	Max Spacing 18 x 18	Recessed
				Total = 424								

HYDRAULIC INFORMATION #1

Remote Area 1	
OCCUPANCY CLASSIFICATION	Extra Hazard Group I
DENSITY (gpm/ft²)	0.30 for 2600ft² (Actual 2673ft²)
TOTAL HOSE STREAMS	500.0
TOTAL HEADS FLOWING	30
K-FACTOR	8
TOTAL WATER REQUIRED	1794.5
TOTAL PRESSURE REQUIRED	88.8
BASE OF RISER (gpm)	1294.5
BASE OF RISER (psi)	76.6
SAFETY MARGIN (psi)	+27.9 (23.8%)



- 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
- 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



- 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

SPRINKLER LEGEND												
Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish	Temperature	Note	Escutcheons
	Tyco	TY2236	LFII	251	4.9	Pendent	½	Fast	White	175°F	Max Spacing 18 x 18	Recessed
	Tyco	TY3231	TY-FRB	60	5.6	Pendent	½	Quick	White	200°F	N/A	Recessed
				Total = 311								

HYDRAULIC INFORMATION #3	
Remote Area 3	Light Hazard
OCCUPANCY CLASSIFICATION	Light Hazard
DENSITY (gpm/ft²)	0.10 for 1500ft² (Actual 308ft²)
TOTAL HOSE STREAMS	100.0
TOTAL HEADS FLOWING	4
K-FACTOR	4.9
TOTAL WATER REQUIRED	172.9
TOTAL PRESSURE REQUIRED	72.8
BASE OF RISER (gpm)	72.8
BASE OF RISER (psi)	63.2
SAFETY MARGIN (psi)	+95.0 (43.0%)

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

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

