

PROJECT NAME:

BK4

OWNER NAME:

PROJECT ADDRESS:

651 4TH AVE,
BROOKLYN, NY

ARCHITECT

NOA ARCHITECTURE
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GEO TECH. ENGINEER

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DATE	REVISION
03/04/2022	ISSUED FOR REVIEW
03/24/2022	ISSUED FOR REVIEW
05/02/2022	ISSUED FOR REVIEW

KEY PLAN:

REFERENCE NORTH



5TH. AVE.

20TH STREET

4TH AVE

APPROVAL:

DWG TITLE:

SPRINKLER PLAN CELLAR

SEAL & SIGNATURE:

DATE:

SCALE:

1/4" = 1'-0"

DRAWING NO:

SP-100.00

CONNECT TO 6" TAKEOFF FROM 6"
DCDA BACKFLOW PREVENTOR
ASSEMBLY TO BE INSTALLED BY
PLUMBING CONTRACTOR. COORDINATE
WITH PLUMBING
DRAWINGS.

6" FIRE DEPARTMENT CONNECTION
FACING 20TH STREET

CHECK VALVE W/ AUTO BALL DRIP

4" STANDPIPE RISER UP

2" SPRINKLER CONTROL VALVE
ASSEMBLY (COMMERCIAL STORAGE)

6" COMBINED SPRINKLER/STANDPIPE RISER UP
3" DRAIN RISER UP

CONNECT TO 6" TAKEOFF FROM 6"
DCDA BACKFLOW PREVENTOR
ASSEMBLY TO BE INSTALLED BY
PLUMBING CONTRACTOR. COORDINATE
WITH PLUMBING DRAWINGS.

- Upright Sprinkler Head, Manuf: Viking, Model: VK300.
- (TS) - Tamper Switch
- (FS) - Flow Switch
- (FP-1) - Fire Pump
- (JP-1) - Jockey Pump
- (4"RCV) Riser Control Valve
- (2-1/2"FHV) Fir Hose Connection Valve
- (2"RCV) Riser Control Valve
- (6"RCV) Riser Control Valve
- Check Valve W/ Auto Ball Drip
- (6"Dia) SPR Pipe
- (4"Dia) SPR Pipe
- (3"Dia) SPR Pipe
- (2-1/2"Dia) SPR Pipe
- (2"Dia) SPR Pipe
- (1-1/2"Dia) SPR Pipe
- (1"Dia) SPR Pipe
- (1-1/4"Dia) SPR Pipe
- (2") SPRINKLER Control Valve
- UTILITY SINK
- SP-2 - SUMP PUMP
- SP-3 - SUMP PUMP
- SP-1 - SUMP PUMP
- SE - SEWERAGE EJECTOR PUMP
- (4") STORM PIPE
- (3") STORM PIPE
- (6") SANITARY PIPE

1 SP - Cellar
1/4" = 1'-0"

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05/02/2022	ISSUED FOR REVIEW

KEY PLAN:

REFERENCE NORTH



5TH. AVE.

4TH AVE

20TH STREET

APPROVAL:

DWG TITLE:

SPRINKLER PLAN 1ST FLOOR

SEAL & SIGNATURE:

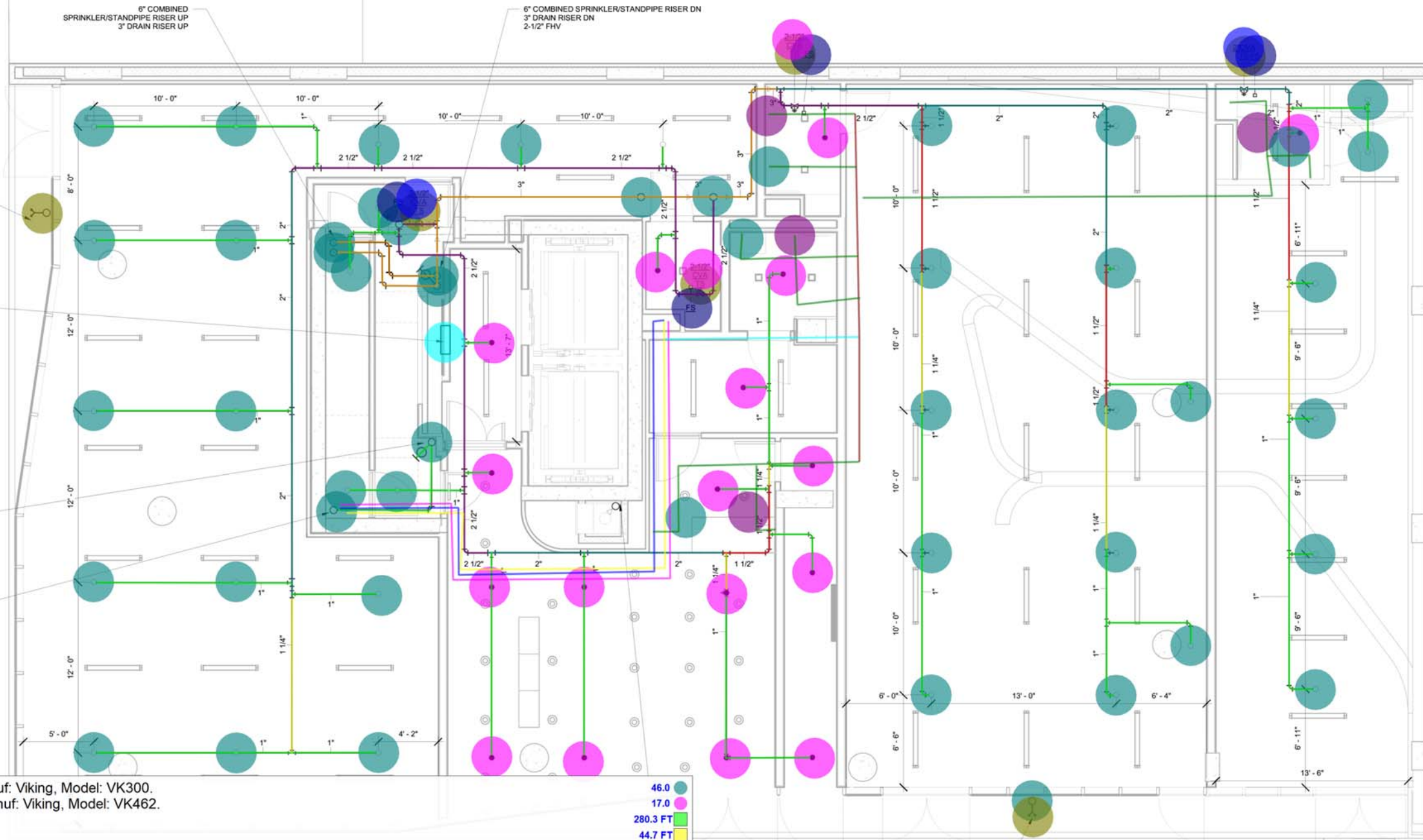
DATE:

SCALE:

1/4" = 1'-0"

DRAWING NO:

SP-101.00



- Upright Sprinkler Head, Manuf: Viking, Model: VK300.
- Pendant Sprinkler Head, manuf: Viking, Model: VK462.
- (1" Dia) SPR Pipe
- (1-1/4" Dia) SPR Pipe
- (1-1/2" Dia) SPR Pipe
- (TS) - Tamper Switch
- (FS) - Flow Switch
- (2" CVA) Control Valve Assembly
- (2-1/2" CVA) Control Valve Assembly
- FDNY Hose Storage Cabinet In Elevator Lobby. Crocker Model: 1710, Recessed 18"x10".
- (2" Dia) SPR Pipe
- (3" Dia) SPR Pipe
- (2-1/2" Dia) SPR Pipe
- Water Closet
- Lavatory
- (1/2") HOT WATER RETURN PIPE
- (2") HOT WATER PIPE
- (2") COLD WATER PIPE
- (1-1/2") COLD WATER PIPE
- (1") COLD WATER PIPE
- (3/4") COLD WATER PIPE
- (6") FIRE DEP. CONNECTION

- 46.0
- 17.0
- 280.3 FT
- 44.7 FT
- 41.8 FT
- 4.0
- 4.0
- 2.0
- 2.0
- 1.0
- 107.8 FT
- 55.6 FT
- 86.7 FT
- 4.0
- 4.0
- 44.0 FT
- 45.1 FT
- 46.5 FT
- 13.7 FT
- 24.5 FT
- 99.2 FT
- 2.0

PROJECT NAME:

BK4

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BROOKLYN, NY

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KEY PLAN:

REFERENCE NORTH:



5TH. AVE.

20TH STREET

4TH AVE

APPROVAL:

DWG TITLE:

SPRINKLER PLAN 2ND FLOOR

SEAL & SIGNATURE:

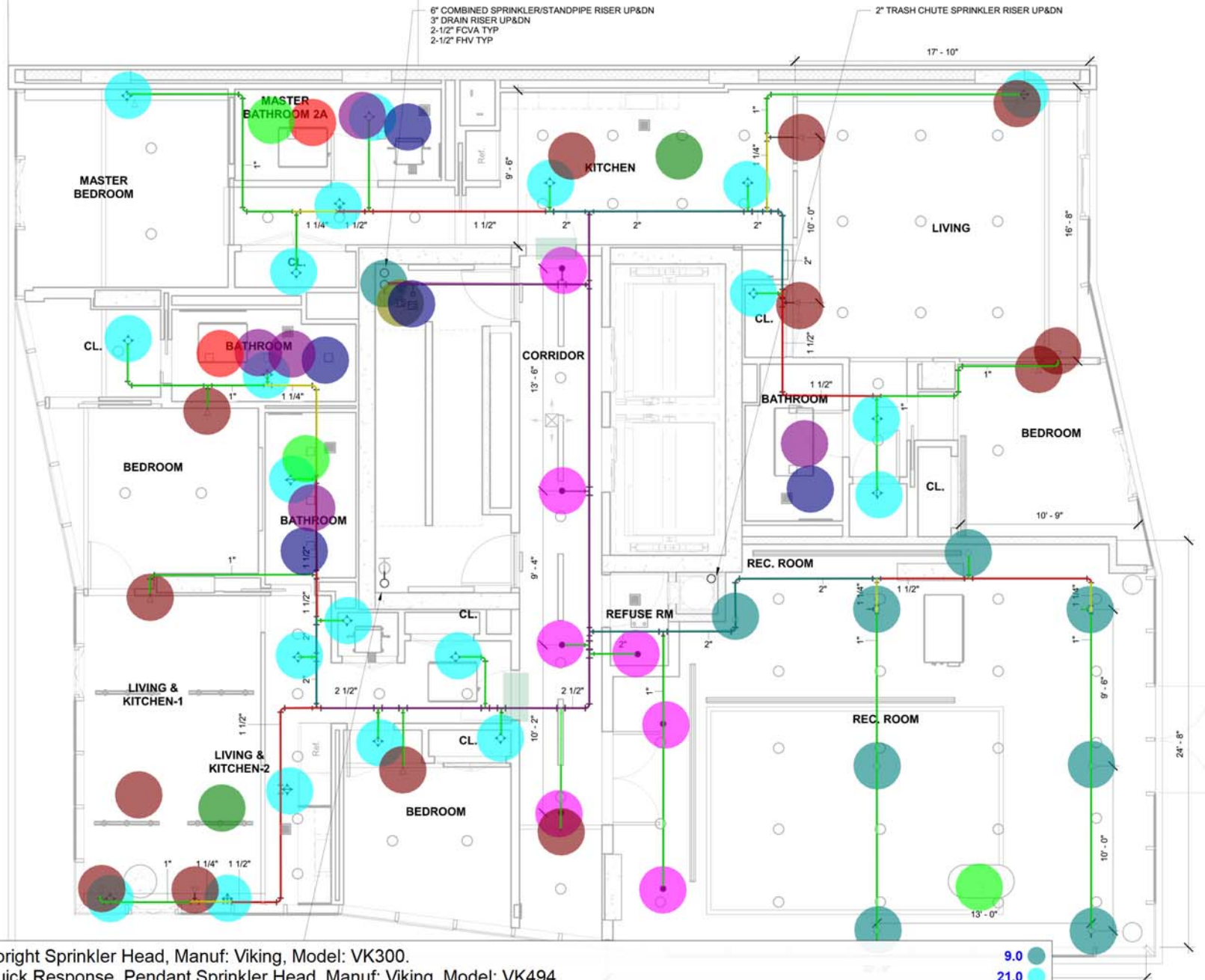
DATE:

SCALE:

1/4" = 1'-0"

DRAWING NO:

SP-102.00



- Upright Sprinkler Head, Manuf: Viking, Model: VK300.
- Quick Response, Pendant Sprinkler Head, Manuf: Viking, Model: VK494.
- Pendant Sprinkler Head, manuf: Viking, Model: VK462.
- Sidewall Sprinkler Head, Manuf: Viking, Model: VK490.
- (TS) - Tamper Switch
- (FS) - Flow Switch
- (1" Dia) SPR Pipe
- (2" Dia) SPR Pipe
- (1-1/4" Dia) SPR Pipe
- (1-1/2" Dia) SPR Pipe
- (2-1/2" Dia) SPR Pipe
- Kitchen Sink
- Dishwasher
- Water Closet
- Lavatory
- Shower
- Bath Tub

- 9.0
- 21.0
- 7.0
- 11.0
- 1.0
- 1.0
- 178.1 FT
- 45.2 FT
- 22.4 FT
- 63.5 FT
- 58.4 FT
- 2.0
- 2.0
- 4.0
- 5.0
- 2.0
- 3.0

1 SP - Level 2
1/4" = 1'-0"

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KEY PLAN:

REFERENCE NORTH:



5TH. AVE.

4TH AVE

20TH STREET

APPROVAL:

DWG TITLE:

**SPRINKLER PLAN 3RD, 5TH
& 7TH FLOOR**

SEAL & SIGNATURE:

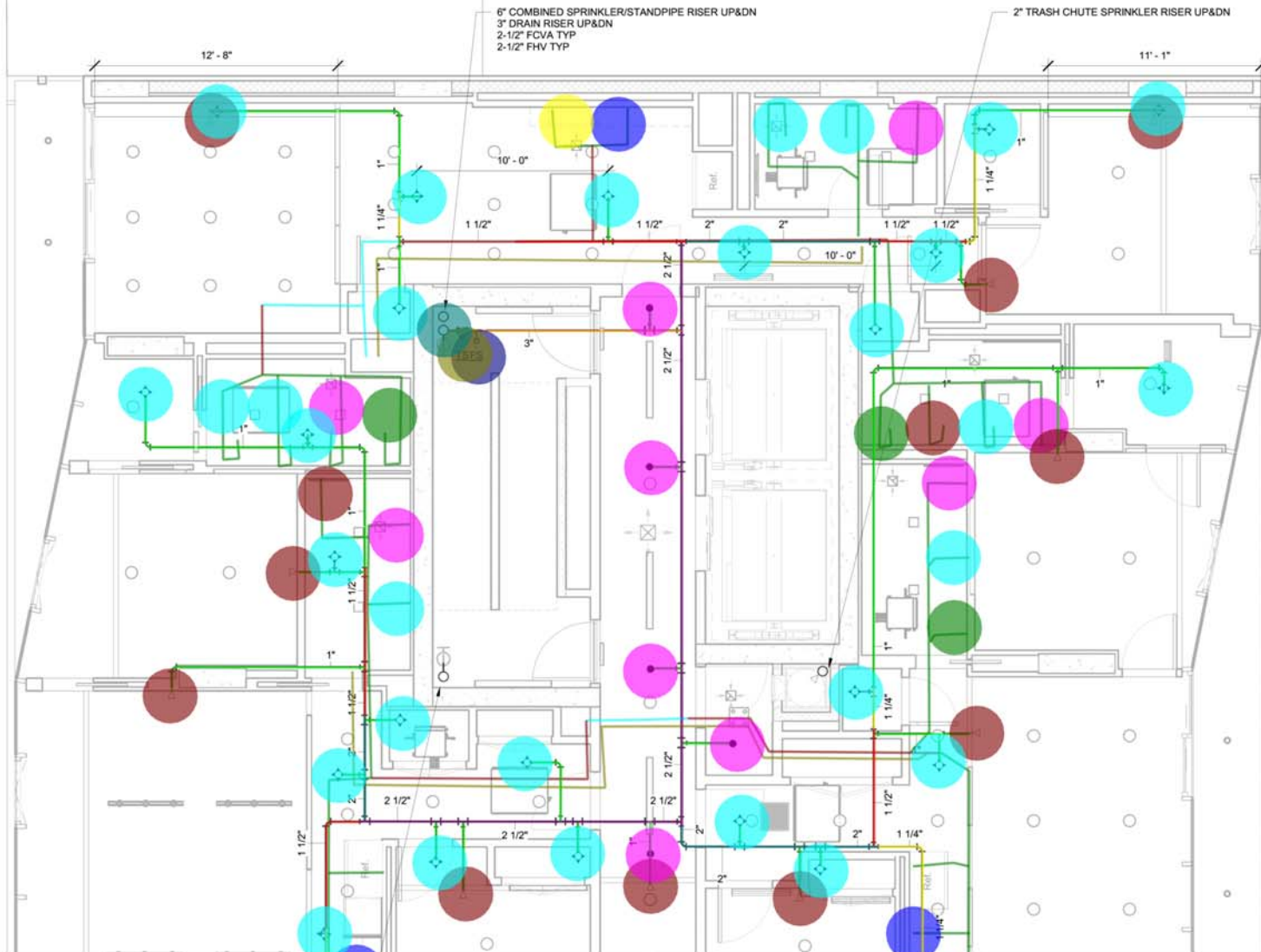
DATE:

SCALE:

1/4" = 1'-0"

DRAWING NO:

SP-103.00



- Quick Response, Pendant Sprinkler Head, Manuf: Viking, Model: VK494. x 3
- Pendant Sprinkler Head, manuf: Viking, Model: VK462. x 3
- Sidewall Sprinkler Head, Manuf: Viking, Model: VK490. x 3
- Upright Sprinkler Head, Manuf: Viking, Model: VK300. x 3
- (TS) - Tamper Switch x 3
- (FS) - Flow Switch x 3
- (3"Dia) SPR Pipe x 3
- (1"Dia) SPR Pipe x 3
- (1-1/4"Dia) SPR Pipe x 3
- (1-1/2"Dia) SPR Pipe x 3
- (2-1/2"Dia) SPR Pipe x 3
- (2"Dia) SPR Pipe x 3
- Kitchen Sink x 3
- Dishwasher x 3
- Water Closet x 3
- Lavatory x 3
- Shower
- Shower x 3
- Bath Tub x 3
- (1-1/2") COLD WATER PIPE X 6
- (1") COLD WATER PIPE X 6
- (3/4") COLD WATER PIPE X 6
- (1/2") HOT WATER RETURN PIPE X 6

- 26.0
- 5.0
- 13.0
- 1.0
- 1.0
- 1.0
- 12.1 FT
- 179.3 FT
- 34.9 FT
- 40.6 FT
- 47.3 FT
- 27.0 FT
- 3.0
- 3.0
- 5.0
- 7.0
- 0.0
- 2.0
- 3.0
- 24.7 FT
- 56.8 FT
- 192.5 FT
- 71.9 FT

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BK4

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BROOKLYN, NY

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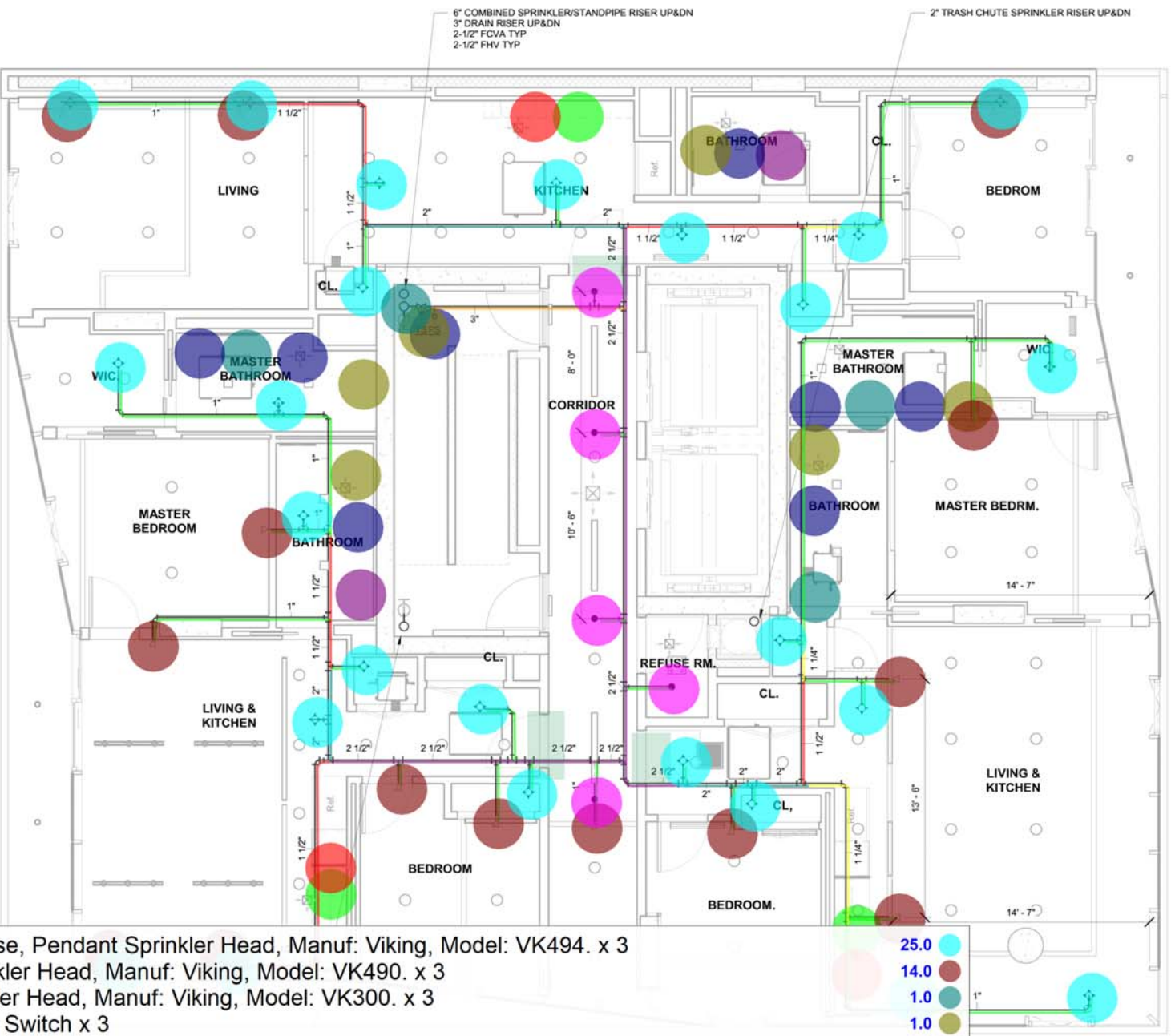
KEY PLAN:



APPROVAL:

DWG TITLE:
**SPRINKLER PLAN 4TH, 6TH
& 8TH FLOOR**

SEAL & SIGNATURE:	DATE:
	SCALE: 1/4" = 1'-0"
	DRAWING NO: SP-104.00



- Quick Response, Pendant Sprinkler Head, Manuf: Viking, Model: VK494. x 3
- Sidewall Sprinkler Head, Manuf: Viking, Model: VK490. x 3
- Upright Sprinkler Head, Manuf: Viking, Model: VK300. x 3
- (TS) - Tamper Switch x 3
- (FS) - Flow Switch x 3
- Pendant Sprinkler Head, manuf: Viking, Model: VK462. x 3
- (1"Dia) SPR Pipe x 3
- (1-1/4"Dia) SPR Pipe x 3
- (2"Dia) SPR Pipe x 3
- (2-1/2"Dia) SPR Pipe x 3
- (1-1/2"Dia) SPR Pipe x 3
- (3"Dia) SPR Pipe x 3
- Water Closet x 3
- Lavatory x 3
- Shower x 3
- Bath Tub x 3
- Kitchen Sink x 3
- Dishwasher x 3

- 25.0
- 14.0
- 1.0
- 1.0
- 1.0
- 5.0
- 171.5 FT
- 16.7 FT
- 26.6 FT
- 51.8 FT
- 54.6 FT
- 12.2 FT
- 5.0
- 7.0
- 2.0
- 3.0
- 3.0
- 3.0

SP - Level 4
1/4" = 1'-0"

PROJECT NAME:

BK4

OWNER NAME:

PROJECT ADDRESS:

651 4TH AVE,
BROOKLYN, NY

ARCHITECT

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DATE	REVISION
03/04/2022	ISSUED FOR REVIEW
03/24/2022	ISSUED FOR REVIEW
05/02/2022	ISSUED FOR REVIEW

KEY PLAN:

REFERENCE NORTH



5TH. AVE.

4TH AVE

20TH STREET

APPROVAL:

DWG TITLE:

SPRINKLER PLAN 9TH FLOOR

SEAL & SIGNATURE:

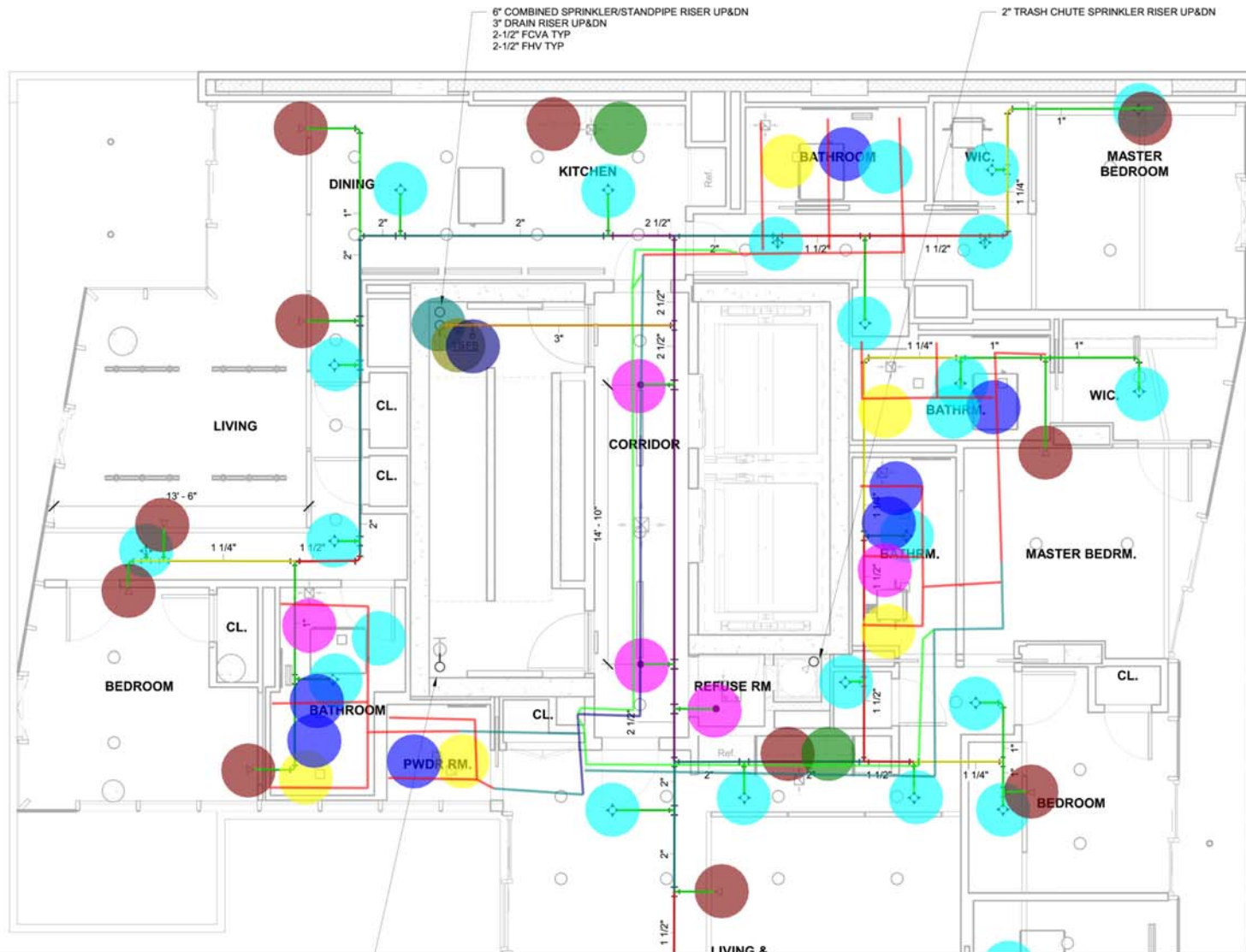
DATE:

SCALE:

1/4" = 1'-0"

DRAWING NO:

SP-109.00



- Quick Response, Pendant Sprinkler Head, Manuf: Viking, Model: VK494.
- Sidewall Sprinkler Head, Manuf: Viking, Model: VK490.
- Pendant Sprinkler Head, manuf: Viking, Model: VK462.
- (TS) - Tamper Switch
- (FS) - Flow Switch
- Upright Sprinkler Head, Manuf: Viking, Model: VK300.
- (3"Dia) SPR Pipe
- (2"Dia) SPR Pipe
- (2-1/2"Dia) SPR Pipe
- (1-1/2"Dia) SPR Pipe
- (1-1/4"Dia) SPR Pipe
- (1"Dia) SPR Pipe
- Water Closet
- Lavatory
- Shower
- Bath Tub
- Kitchen Sink
- Dishwasher
- (1-1/2") COLD WATER PIPE X 4
- (1") COLD WATER PIPE X 4
- (3/4") COLD WATER PIPE X 4
- (1/2") HOT WATER RETURN PIPE X 4

- 25.0
- 9.0
- 3.0
- 1.0
- 1.0
- 1.0
- 12.1 FT
- 52.5 FT
- 31.4 FT
- 43.9 FT
- 41.9 FT
- 108.5 FT
- 5.0
- 7.0
- 2.0
- 3.0
- 2.0
- 2.0
- 22.4 FT
- 54.2 FT
- 125.3 FT
- 61.5 FT

PROJECT NAME:

BK4

OWNER NAME:

PROJECT ADDRESS:

651 4TH AVE,
BROOKLYN, NY

ARCHITECT

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DATE	REVISION
03/04/2022	ISSUED FOR REVIEW
03/24/2022	ISSUED FOR REVIEW
05/02/2022	ISSUED FOR REVIEW

KEY PLAN:



APPROVAL:

DWG TITLE:

SPRINKLER PLAN 10TH FLOOR

SEAL & SIGNATURE:

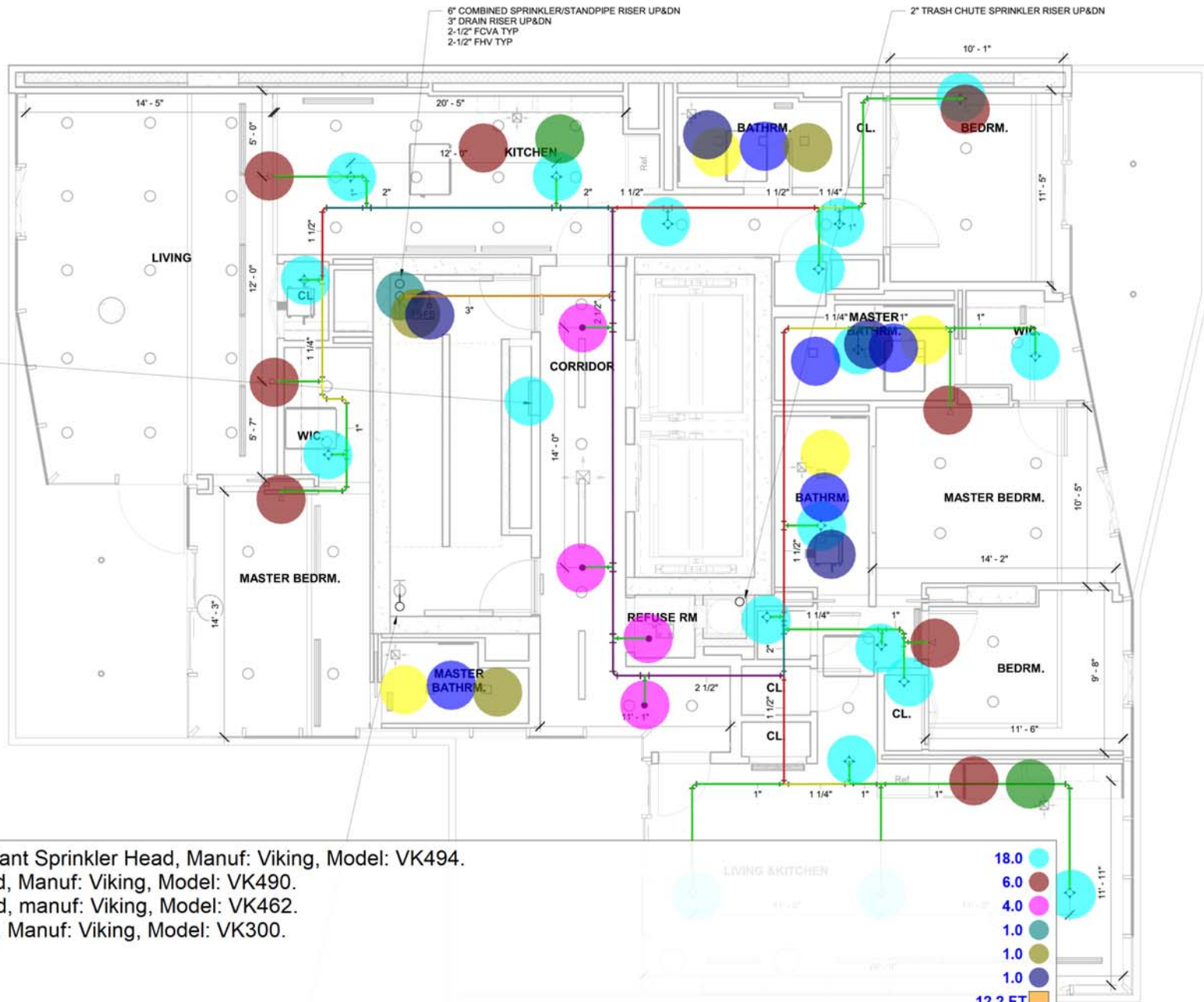
DATE:

SCALE:

1/4" = 1'-0"

DRAWING NO:

SP-110.00



- Quick Response, Pendant Sprinkler Head, Manuf: Viking, Model: VK494.
- Sidewall Sprinkler Head, Manuf: Viking, Model: VK490.
- Pendant Sprinkler Head, manuf: Viking, Model: VK462.
- Upright Sprinkler Head, Manuf: Viking, Model: VK300.
- (TS) - Tamper Switch
- (FS) - Flow Switch
- (3"Dia) SPR Pipe
- (2"Dia) SPR Pipe
- (1-1/2"Dia) SPR Pipe
- (1-1/4"Dia) SPR Pipe
- (1"Dia) SPR Pipe
- (2-1/2"Dia) SPR Pipe
- FDNY Hose Storage Cabinet In Elevator Lobby. Crocker Model: 1710, Recessed 18"x10".
- Water Closet
- Lavatory
- Shower
- Bath Tub
- Kitchen Sink
- Dishwasher

PROJECT NAME:

BK4

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KEY PLAN:

REFERENCE NORTH:



5TH. AVE.

4TH AVE

20TH STREET

APPROVAL:

DWG TITLE:

SPRINKLER PLAN 11TH FLOOR

SEAL & SIGNATURE:

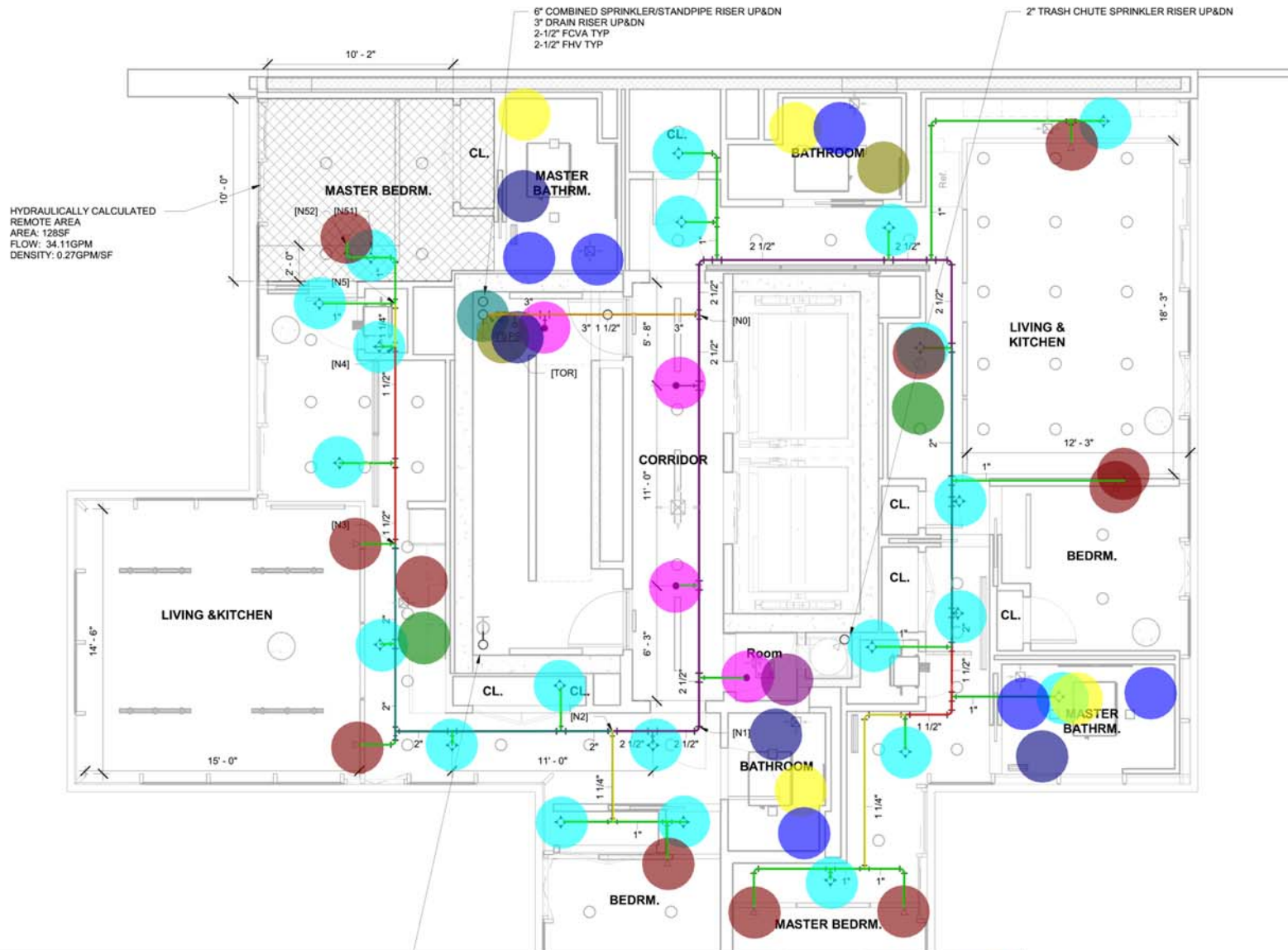
DATE:

SCALE:

1/4" = 1'-0"

DRAWING NO:

SP-111.00



- Quick Response, Pendant Sprinkler Head, Manuf: Viking, Model: VK494.
- Pendant Sprinkler Head, manuf: Viking, Model: VK462.
- Sidewall Sprinkler Head, Manuf: Viking, Model: VK490.
- Upright Sprinkler Head, Manuf: Viking, Model: VK300.
- (TS) - Tamper Switch
- (FS) - Flow Switch
- (3"Dia) SPR Pipe
- (2-1/2"Dia) SPR Pipe
- (2"Dia) SPR Pipe
- (1-1/2"Dia) SPR Pipe
- (1-1/4"Dia) SPR Pipe
- (1"Dia) SPR Pipe
- Water Closet
- Lavatory
- Bath Tub
- Shower
- Kitchen Sink
- Dishwasher
- SINK

- 21.0
- 4.0
- 9.0
- 1.0
- 1.0
- 1.0
- 11.6 FT
- 48.9 FT
- 39.1 FT
- 17.0 FT
- 17.9 FT
- 98.6 FT
- 4.0
- 6.0
- 3.0
- 1.0
- 2.0
- 2.0
- 1.0

PROJECT NAME:
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KEY PLAN:

REFERENCE NORTH:



5TH. AVE.

4TH AVE

20TH STREET

APPROVAL:

DWG TITLE:
SPRINKLER PLAN ROOF

SEAL & SIGNATURE:

DATE:

SCALE:

1/4" = 1'-0"

DRAWING NO:

SP-112.00



- Upright Sprinkler Head, Manuf: Viking, Model: VK300.
- Pendant Sprinkler Head, manuf: Viking, Model: VK462.
- └─ (1-1/2"Dia) SPR Pipe
- └─ (1-1/4"Dia) SPR Pipe
- └─ (1"Dia) SPR Pipe

- 3.0
- 2.0
- 3.1 FT
- 1.0 FT
- 19.4 FT