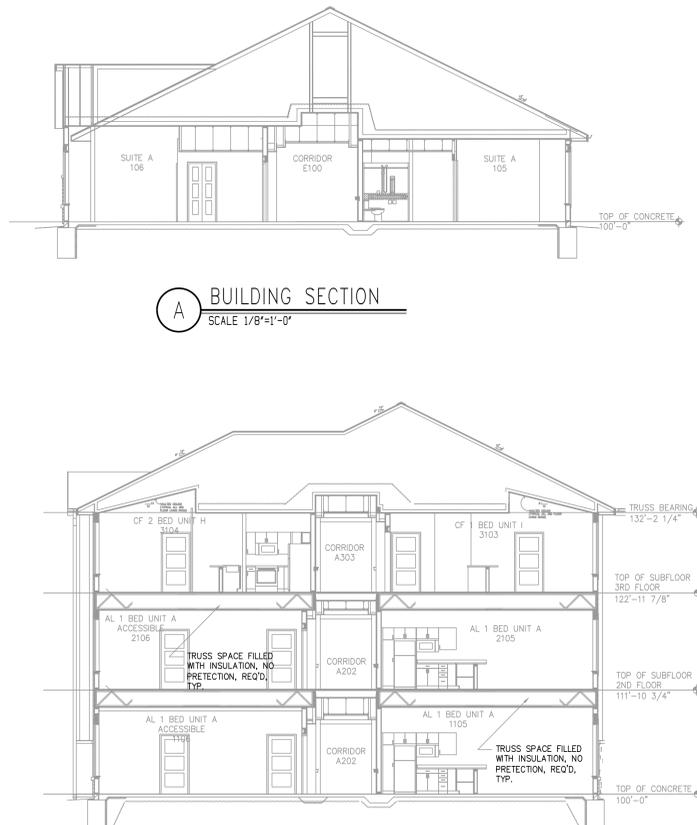


E BUILDING SECTION
SCALE 1/4"=1'-0"

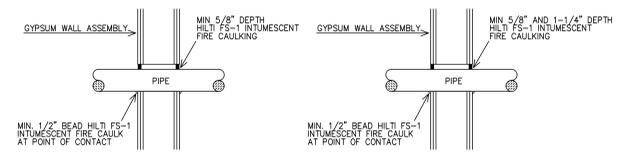


A BUILDING SECTION
SCALE 1/8"=1'-0"

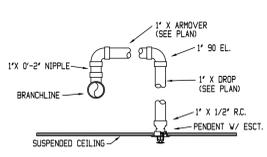
B BUILDING SECTION
SCALE 1/8"=1'-0"

GENERAL NOTES

- INTERNATIONAL BUILDING CODE (2015)
 - OCCUPANCY: A-2 AND I-1 CONDITION 2: ASSISTED LIVING
 - TYPE OF CONSTRUCTION: V-A (1HR RATED PROTECTED, COMBUSTIBLE CONSTRUCTION)
 - SPRINKLER AREAS (APPROXIMATE - SEE ARCHITECTURAL PLANS FOR ACTUAL)
 - 1ST FLOOR
 - ZONE 3 = 24,650 S.F.
 - ZONE 4 = 15,500 S.F.
 - ZONE 5 = 29,134 S.F.
 - 2ND FLOOR
 - ZONE 6 = 33,541 S.F.
 - 3RD FLOOR
 - ZONE 7 = 23,345 S.F.
 - ATTIC
 - ZONE 1 = 34,411 S.F.
 - ZONE 2 = 34,880 S.F.
 - TOTAL = 195,561 S.F.
 - INSTALLATION STANDARDS: SPRINKLER SYSTEM DESIGNED AND INSTALLED PER NFPA-13 (2019)
- SPRINKLER PIPE TYPES:
 - MEL-
 - 1" THROUGH 2 1/2" MAIN & BRANCH LINES TO BE BLAZEMASTER CPVC PIPING WITH CEMENTED FITTINGS
 - 1" & 1 1/2" THREADED BRANCH LINES TO BE SCHEDULE 40 WITH THREADED FITTINGS
 - 1 1/2" THROUGH 2" MAIN & BRANCH LINES TO BE BLK SCHEDULE 40 PIPING WITH SHORT RADIUS GROOVED FITTINGS
 - 2-1/2" THROUGH 6" MAIN & BRANCH LINES TO BE BLK SCHEDULE 10 WITH SHORT RADIUS GROOVED FITTINGS -DRY-
 - DRY-
 - 1" & 1 1/2" BRANCH LINES TO BE SCHEDULE 40 PIPE WITH THREADED FITTINGS
 - 1-1/2" THROUGH 2" MAIN & BRANCH LINES TO BE GROOVED BLK SCHEDULE 40 WITH SHORT RADIUS GROOVED FITTINGS
 - 2-1/2" THROUGH 6" MAIN & BRANCH LINES TO BE BLK SCHEDULE 10 WITH SHORT RADIUS GROOVED FITTINGS
- DESIGN CRITERIA
 - ATTIC, OFFICES, DWELLING UNITS AND SIMILAR AREAS TO BE DESIGNED TO LIGHT HAZARD.
 - MECH ROOMS, STORAGE ROOMS, KITCHEN AND SIMILAR AREAS TO BE DESIGNED TO ORDINARY HAZARD GROUP 1
- NOTES:
 - ALL MATERIAL TO BE NEW AND MEET U.L. STANDARDS
 - HANGERS TO BE INSTALLED IN ACCORDANCE WITH NFPA 13 (2019) - SEE PLAN FOR HANGING REQUIREMENTS
 - DRY SYSTEM PIPE SLOPE INSTALLATION: SPRINKLER MAINS TO BE 1/8" PER 10 FEET; SPRINKLER BRANCH LINES TO BE 1/4" PER 10 FEET
 - DRY SYSTEM CAPACITY:
 - DRY ZONE #1 = 703 GALLONS
 - DRY ZONE #2 = 819 GALLONS
- SYMBOLS USED ON DRAWINGS:
 - PIPE ELEVATION A.F.F.
 - PIPE ELEVATION BELOW B.O.D.
 - ROOM HAZARD CLASSIFICATION (ALL ROOMS ARE CONSIDERED LIGHT HAZARD UNLESS NOTED)
 - HYDRAULIC CALCULATION JUNCTION POINT
 - CEILING HEIGHT
- SCOPE OF WORK:
 - TO INSTALL NEW FIRE PUMP, STANDPIPES, WET AND DRY SPRINKLER SYSTEMS FOR THE NEW BUILDING AS SHOWN ON THESE DRAWINGS.
 - ALL AREAS OF THE BUILDING TO BE INSTALLED AND COVERED IN ACCORDANCE WITH THE LOCAL AUTHORITY HAVING JURISDICTION AND PER NFPA 13 (2019)

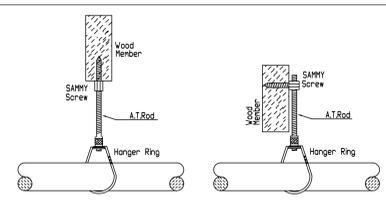


FIRE CAULK DETAILS



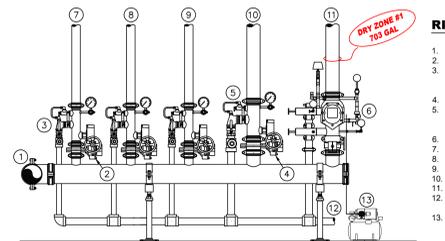
TYP. RETURN BEND ASSEMBLY

INSTALLATION DETAILS



IPS AUTOGRIP HANGER (SAMMY SCREW)
IPS AUTOGRIP HANGER (SIDE SAMMY SCREW)

HANGER DETAILS



2 RISER DETAIL
SCALE 1/2"=1'-0"

RISER LEGEND

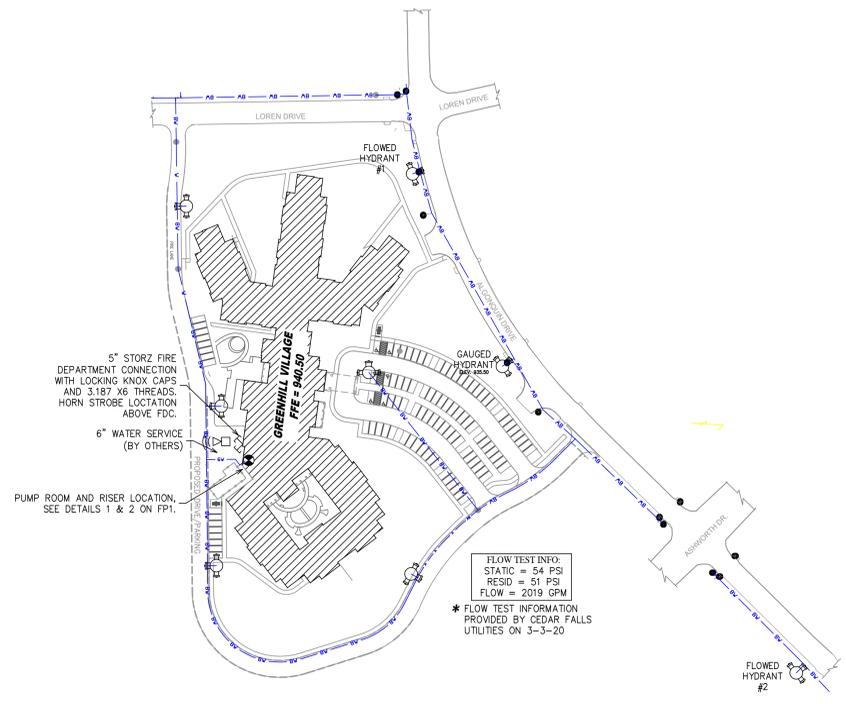
- 6" FROM FIRE PUMP
- 2-1/2" BUTTERFLY VALVE w/TAMPER
- 2-1/2" GROOVED COMMERCIAL RISER MANIFOLD w/ SUPERVISED BUTTERFLY VALVE, FLOW SWITCH, TEST & DRAIN, PRESSURE RELIEF, & PRESSURE GAUGE
- 4" BUTTERFLY VALVE w/TAMPER
- 4" GROOVED COMMERCIAL RISER MANIFOLD w/ SUPERVISED BUTTERFLY VALVE, FLOW SWITCH, TEST & DRAIN, PRESSURE RELIEF, & PRESSURE GAUGE
- 4" TYCO DP-1 DRY VALVE w/ QUICK OPENING DEVICE
- 2-1/2" TO WET SYSTEM ZONE 5
- 2-1/2" TO WET SYSTEM ZONE 4
- 2-1/2" TO WET SYSTEM ZONE 3
- 4" OUT TO COMBINED STANDPIPE AND FDC
- 4" TO DRY SYSTEM ZONE 1
- 2" MAIN DRAIN PIPED TO EXTERIOR COORDINATE EXACT LOCATION w/ G.C. AND OWNER
- AIR COMPRESSOR

MANUAL WET STANDPIPE
LOCATION: 3RD FLOOR STAIR A,B&C
REQUIRED FLOW: 1000 GPM
OUTLET PSI: 100
REQUIRED INLET PRESSURE: 170.6 PSI

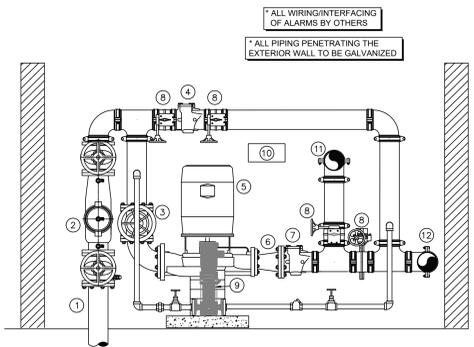
PIPE LEGEND

- BLACK STEEL SPRINKLER PIPING
- CPVC BLAZEMASTER SPRINKLER PIPING

STANDPIPE DEMAND PLACARD



SITE PLAN
SCALE: 1"=100'



1 PUMP DETAIL
SCALE 1/2"=1'-0"

FIRE PUMP LEGEND

- 6" UNDERGROUND WATER SERVICE (BY OTHERS)
- 6" DERINGER 200 BACKFLOW w/ SUPERVISED GATE VALVES
- 6" GATE VALVE w/TAMPER
- 6" GROOVED CHECK VALVE
- 75PSI @ 800 GPM FIRE PUMP
- 6" FLANGED CONCENTRIC INCREASER
- 6" GROOVED CHECK VALVE
- 6" GROOVED BUTTERFLY VALVE w/ TAMPER
- JOCKEY PUMP
- SPARE HEAD BOX
- 8" OUT TO PUMP TEST HEADER
- 6" 90 ELL TO RISERS

SYN	QTY	POSITION	FINISH	TEMP	K	NPT	SIN	HPG	MODEL#	ESCUTCHEON	HEAN BOX (2" MIN)
201	PENDENT	WHITE	165	5.60	1/2"		RA3413	RELIABLE	GS	CONCEALED	2
24	SIDEWALL	WHITE	200	5.60	1/2"		RA1435	RELIABLE	F1R56	SEMI RECESSED	2
24	SIDEWALL	WHITE	155	5.60	1/2"		RA1435	RELIABLE	F1R56	SEMI RECESSED	2
274	SIDEWALL	WHITE	155	4.40	1/2"		RA3531	RELIABLE	F1 RES	SEMI RECESSED	2
556	PENDENT	WHITE	155	4.90	1/2"		RA3516	RELIABLE	F1 RES	SEMI RECESSED	2
76	PENDENT	WHITE	165	5.60	1/2"		RA5994	RELIABLE	LT56C	CONCEALED	2
21	PENDENT	WHITE	155	5.60	1/2"		RA1414	RELIABLE	F1R56	SEMI RECESSED	2
45	PENDENT	WHITE	200	5.60	1/2"		RA1414	RELIABLE	F1R56	SEMI RECESSED	2
25	PENDENT	WHITE	165	11.20	3/4"		R7146	RELIABLE	64-XLD	CONCEALED	2
46	SIDEWALL	CHROME	200	5.60	1"		RA1664	RELIABLE	DH56DRY	STANDARD	N/A
38	UPRIGHT	BRASS	200	5.60	1/2"		RA1425	RELIABLE	F1R56	N/A	2
13	SIDEWALL	WHITE	200	11.20	3/4"		TY5332	TYCO	EL05W20	SEMI RECESSED	2
11	SIDEWALL	WHITE	200	11.20	3/4"		TY5327	TYCO	EL05W24	SEMI RECESSED	2
13	PENDENT	WHITE	200	11.20	3/4"		RA7216	RELIABLE	J12	SEMI RECESSED	2
2	PENDENT	CHROME	200	5.60	1"		RS714	RELIABLE	F3GR	STANDARD	N/A
1	SIDEWALL	WHITE	165	8.00	3/4"		RA4762	RELIABLE	GG	CONCEALED	2
188	UPRIGHT	BRASS	212	5.60	1/2"		RA5626	RELIABLE	AH56	N/A	2
143	UPRIGHT	BRASS	200	8.00	3/4"		RA5692	RELIABLE	DOB0-27	N/A	2
182	UPRIGHT	BRASS	200	5.60	1/2"		RA5694	RELIABLE	DOB0-27	N/A	2
77	UPRIGHT	BRASS	200	5.60	1/2"		VX350	VIKING	CON	N/A	2
3	PENDENT	CHROME	200	5.60	1/2"		RA5114	RELIABLE	GS-56	CONCEALED	N/A

1944 TOTAL SPRINKLERS

SPRINKLER HEAD LEGEND

SYMBOLS / ABBREVIATIONS

(Symbol)	EXISTING SPRINKLER PIPE
(Symbol)	NEW SPRINKLER PIPE
(Symbol)	HYDRAULIC REFERENCE POINT
(Symbol)	CENTELINE OF PIPE ABOVE FINISH FLOOR
(Symbol)	CENTELINE OF PIPING BELOW DECK
(Symbol)	ELEVATION OF SPRINKLER HEAD
(Symbol)	UNLESS NOTED OTHERWISE
(Symbol)	HANGER LOCATION
(Symbol)	LATERAL SWAY BRACE
(Symbol)	4-WAY SWAY BRACE

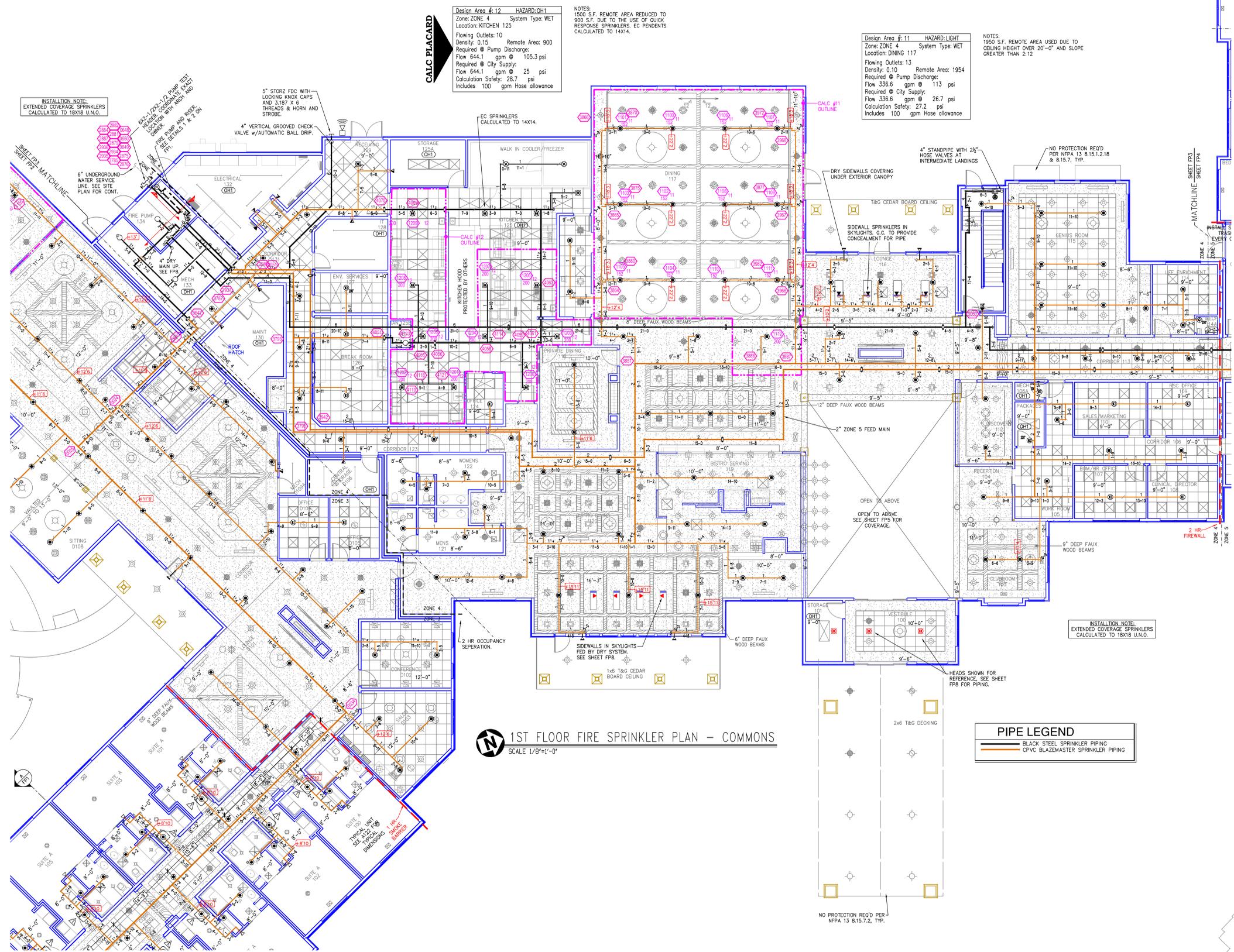
REVISIONS

NO.	DATE	REVISION DESCRIPTION

PROJECT INFORMATION
CONTRACT # 170-20614
DATE OF ORIGINAL 2/9/2021
DESIGNER
APPROVAL: CEDAR FALLS FD
SCALE: AS NOTED
SHEET # FP1 of 9

GREENHILL VILLAGE SENIOR LIVING
4715 ALGONQUIN DRIVE
CEDAR FALLS, IA
AREA: FIRE PROTECTION PLANS

FLOW TEST INFO:
STATIC = 54 PSI
RESID = 51 PSI
FLOW = 2019 GPM
* FLOW TEST INFORMATION PROVIDED BY CEDAR FALLS UTILITIES ON 3-3-20



CALC PLACARD

Design Area #12 HAZARD: OHT
 Zone: ZONE 4 System Type: WET
 Location: KITCHEN 125
 Flowing Outlets: 10 Remote Area: 900
 Density: 0.15 Required @ Pump Discharge:
 Flow 644.1 gpm @ 105.3 psi
 Required @ City Supply:
 Flow 644.1 gpm @ 25 psi
 Calculation Safety: 28.7 psi
 Includes 100 gpm Hose allowance

NOTES:
 1900 S.F. REMOTE AREA REDUCED TO 900 S.F. DUE TO THE USE OF QUICK RESPONSE SPRINKLERS, EC PENDENTS CALCULATED TO 14X14.

CALC #11

Design Area #11 HAZARD: LIGHT
 Zone: ZONE 4 System Type: WET
 Location: DINING 117
 Flowing Outlets: 13 Remote Area: 1954
 Density: 0.10 Required @ Pump Discharge:
 Flow 336.6 gpm @ 113 psi
 Required @ City Supply:
 Flow 336.6 gpm @ 26.7 psi
 Calculation Safety: 27.2 psi
 Includes 100 gpm Hose allowance

NOTES:
 1950 S.F. REMOTE AREA USED DUE TO CEILING HEIGHT OVER 20'-0" AND SLOPE GREATER THAN 2:12

1ST FLOOR FIRE SPRINKLER PLAN - COMMONS
 SCALE 1/8"=1'-0"

PIPE LEGEND

— BLACK STEEL SPRINKLER PIPING
 — CPVC BLAZEMASTER SPRINKLER PIPING

SYM	CNT	POSITION	FINISH	TEMP	K	NPT	SIN	MPG	MODEL#	ESCUITECHEN	HEAD BOX (2 min)
200	1	PENDENT	WHITE	165	5.60	1/2"	RA3416	RELIABLE	G5	CONCEALED	2
54	1	SIDEWALL	WHITE	200	5.60	1/2"	RA1435	RELIABLE	F1FR56	SEMI RECESSED	2
24	1	SIDEWALL	WHITE	155	5.60	1/2"	RA1435	RELIABLE	F1FR56	SEMI RECESSED	2
274	1	SIDEWALL	WHITE	155	4.40	1/2"	RA3516	RELIABLE	F1 RES	SEMI RECESSED	2
556	1	PENDENT	WHITE	155	4.90	1/2"	RA3516	RELIABLE	F1 RES	SEMI RECESSED	2
76	1	PENDENT	WHITE	155	5.60	1/2"	RA5994	RELIABLE	LTS6C	CONCEALED	2
21	1	PENDENT	WHITE	155	5.60	1/2"	RA1414	RELIABLE	F1FR56	SEMI RECESSED	2
46	1	PENDENT	WHITE	200	5.60	1/2"	RA1414	RELIABLE	F1FR56	SEMI RECESSED	2
25	1	PENDENT	WHITE	165	11.20	3/4"	R7145	RELIABLE	G4-XL0	CONCEALED	2
6	1	SIDEWALL	CHROME	200	5.60	1"	RA1664	RELIABLE	DHS6DRY	STANDARD	N/A
30	1	UPRIGHT	BRASS	200	5.60	1/2"	RA1425	RELIABLE	F1FR56	N/A	2
13	1	SIDEWALL	WHITE	200	11.20	3/4"	TYS330	TYCO	ELDSW20	SEMI RECESSED	2
1	1	SIDEWALL	WHITE	200	11.20	3/4"	TYS337	TYCO	ELDSW24	SEMI RECESSED	2
13	1	PENDENT	WHITE	200	11.20	3/4"	RA7216	RELIABLE	J112	SEMI RECESSED	2
2	1	PENDENT	CHROME	200	5.60	1"	R5714	RELIABLE	F3OR	STANDARD	N/A
1	1	SIDEWALL	WHITE	165	8.00	3/4"	RA4762	RELIABLE	G6	CONCEALED	2
188	1	UPRIGHT	BRASS	212	5.60	1/2"	RA5626	RELIABLE	AH56	N/A	2
143	1	UPRIGHT	BRASS	200	8.00	3/4"	RA5626	RELIABLE	OD00-27	N/A	2
182	1	UPRIGHT	BRASS	200	5.60	1/2"	RA5694	RELIABLE	OD56-27	N/A	2
77	1	UPRIGHT	BRASS	200	5.60	1/2"	VK950	YKING	COIN	N/A	2
3	1	PENDENT	CHROME	200	5.60	1/2"	RA5114	RELIABLE	G5-56	CONCEALED	N/A
1944 TOTAL SPRINKLERS											

SPRINKLER HEAD LEGEND

SYMBOLS / ABBREVIATIONS

— EXISTING SPRINKLER PIPE
 — NEW SPRINKLER PIPE
 — HYDRAULIC REFERENCE POINT
 — CENTERLINE OF PIPE ABOVE FINISH FLOOR
 — CENTERLINE OF PIPING BELOW DECK
 — ELEVATION OF SPRINKLER HEAD
 — UNCL. UNLESS NOTED OTHERWISE
 — HANGER LOCATION
 — LATERAL SWAY BRACE

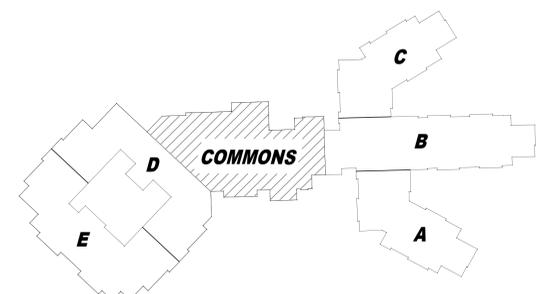
REVISIONS

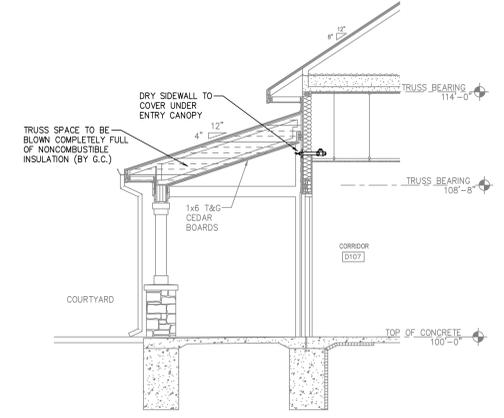
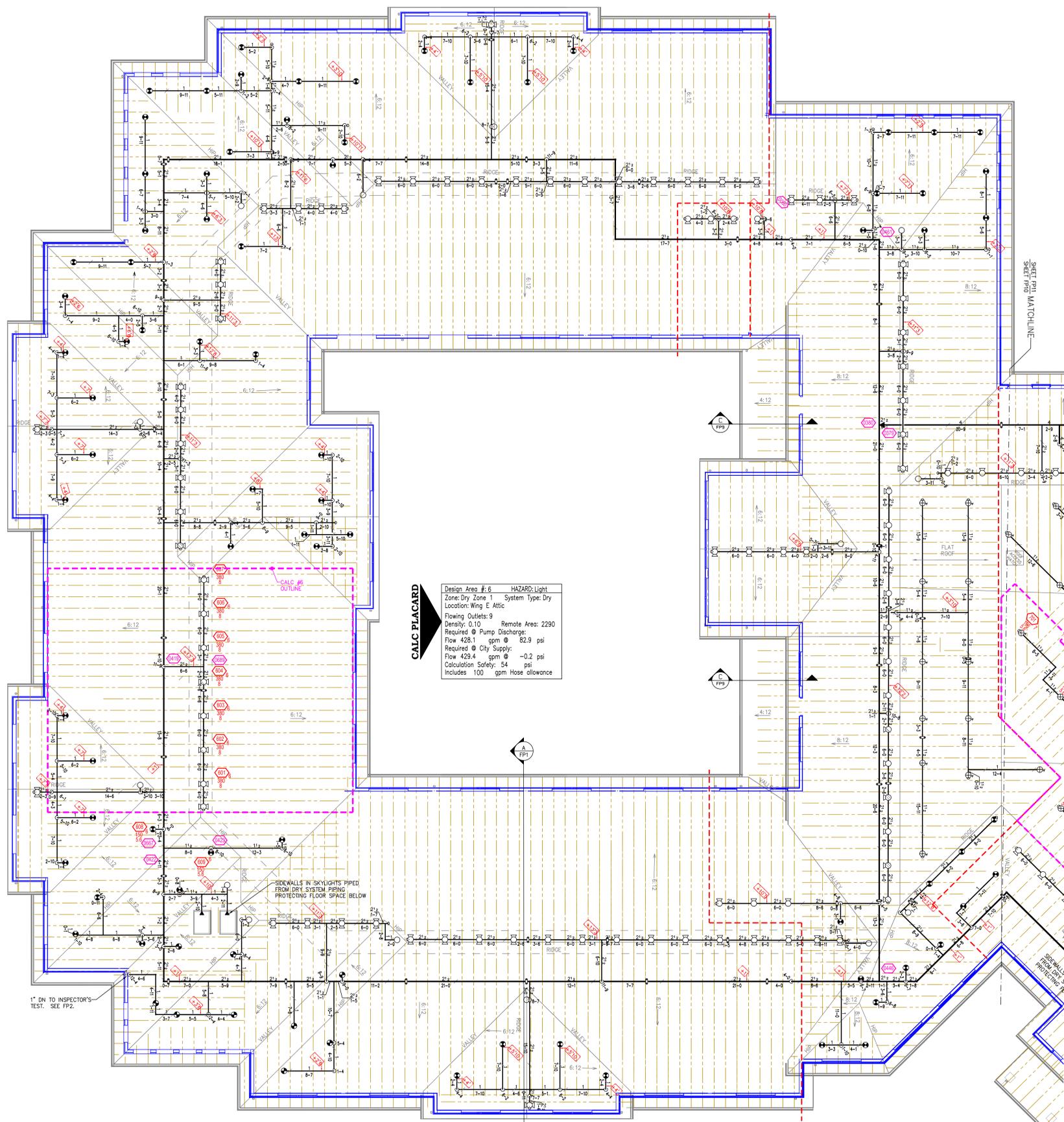
NO.	DATE	REVISION DESCRIPTION

PROJECT INFORMATION

CONTRACT # 170-20614
 DATE OF ORIGINAL 2/9/2021
 DESIGNER
 APPROVAL: CEDAR FALLS PD AS NOTED
 SHEET # FP3.49

GREENHILL VILLAGE SENIOR LIVING
 4715 ALGONQUIN DRIVE
 CEDAR FALLS, IA
 AREA: FIRE PROTECTION PLANS



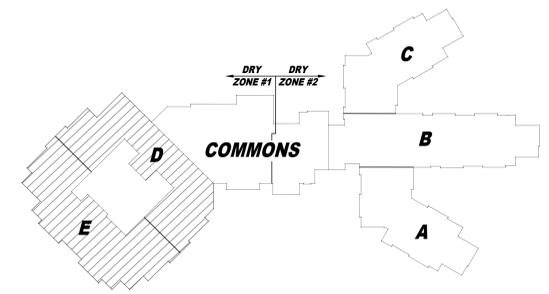


C SECTION @ COURTYARD ENTRY
SCALE 1/4"=1'-0"

SYM	QTY	POSITION	FINISH	TEMP	K	NPT	ISN	INFC	MODEL#	ESCOT/CHRON	HEAD BOX (cf. mho)
20L	20	PENDENT	WHITE	165	5.60	1/2"	RA3415	RELIABLE	G5	CONCEALED	2
54	24	SIDEWALL	WHITE	200	5.60	1/2"	RA1435	RELIABLE	F1FR56	SEMI RECESSED	2
24	24	SIDEWALL	WHITE	195	5.60	1/2"	RA1435	RELIABLE	F1FR56	SEMI RECESSED	2
274	274	SIDEWALL	WHITE	195	4.40	1/2"	RA3531	RELIABLE	F1 RES	SEMI RECESSED	2
556	556	PENDENT	WHITE	195	4.90	1/2"	RA3516	RELIABLE	F1 RES	SEMI RECESSED	2
75	75	PENDENT	WHITE	165	5.60	1/2"	RA5994	RELIABLE	LT56C	CONCEALED	2
21	21	PENDENT	WHITE	195	5.60	1/2"	RA1414	RELIABLE	F1FR56	SEMI RECESSED	2
46	46	PENDENT	WHITE	200	5.60	1/2"	RA1414	RELIABLE	F1FR56	SEMI RECESSED	2
25	25	PENDENT	WHITE	165	11.20	3/4"	R7146	RELIABLE	G4-XLO	CONCEALED	2
6	6	SIDEWALL	CHROME	200	5.60	1"	RA1664	RELIABLE	DHS6DRY	STANDARD	N/A
38	38	UPRIGHT	BRASS	200	5.60	1/2"	RA1435	RELIABLE	F1FR56	N/A	2
13	13	SIDEWALL	WHITE	200	11.20	3/4"	TY5332	TYCO	ELDSW20	SEMI RECESSED	2
11	11	SIDEWALL	WHITE	200	11.20	3/4"	TY5337	TYCO	ELDSW24	SEMI RECESSED	2
13	13	PENDENT	WHITE	200	11.20	3/4"	RA7216	RELIABLE	J112	SEMI RECESSED	2
2	2	PENDENT	CHROME	200	5.60	1"	R5714	RELIABLE	F3GR	STANDARD	N/A
1	1	SIDEWALL	WHITE	165	8.00	3/4"	RA4762	RELIABLE	G6	CONCEALED	2
188	188	UPRIGHT	BRASS	212	5.60	1/2"	RA5626	RELIABLE	AH56	N/A	2
143	143	UPRIGHT	BRASS	200	8.00	3/4"	RA5626	RELIABLE	DD80-27	N/A	2
182	182	UPRIGHT	BRASS	200	5.60	1/2"	RA5624	RELIABLE	0056-27	N/A	2
77	77	UPRIGHT	BRASS	200	5.60	1/2"	VK950	VIKING	COIN	N/A	2
3	3	PENDENT	CHROME	200	5.60	1/2"	RA5114	RELIABLE	G5-56	CONCEALED	N/A

1944 TOTAL SPRINKLERS

SPRINKLER HEAD LEGEND



ATTIC FIRE SPRINKLER PLAN - WINGS D & E
SCALE 1/8"=1'-0"

SYMBOLS / ABBREVIATIONS

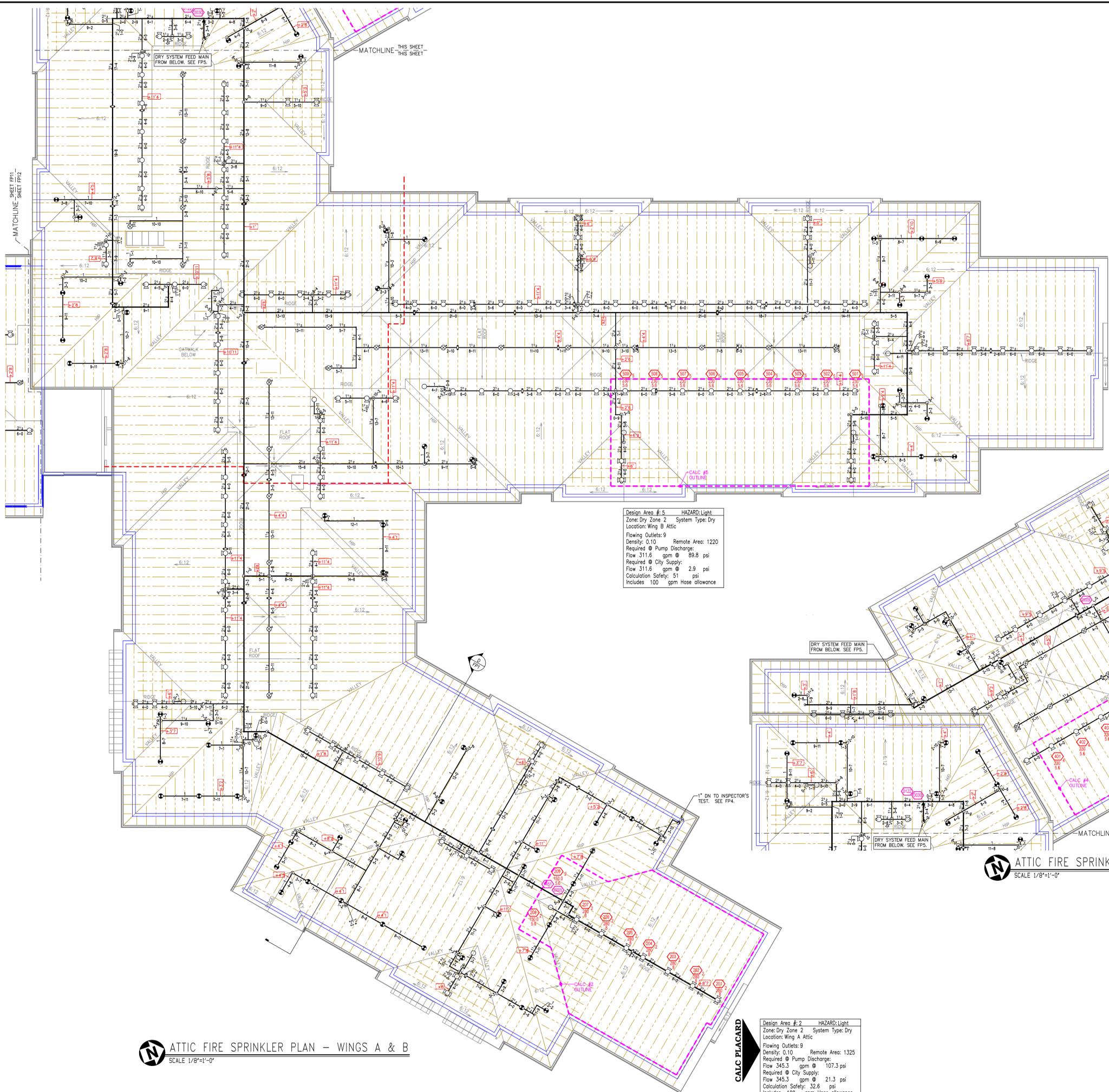
- EXISTING SPRINKLER PIPE
- NEW SPRINKLER PIPE
- HYDRAULIC REFERENCE POINT
- CENTERLINE OF PIPE ABOVE FINISH FLOOR
- CENTERLINE OF PIPE BELOW DECK
- ELEVATION OF SPRINKLER HEAD
- UNLESS NOTED OTHERWISE
- HANGER LOCATION
- LATERAL SWAY BRACE
- 4-WAY SWAY BRACE

REVISIONS

NO.	DATE	REVISION DESCRIPTION

PROJECT INFORMATION
 CONTRACT # 1170-206114
 DATE OF ORIGINAL 2/19/2021
 DESIGNER
 APPROVAL: CEDAR FALLS FD
 SCALE: AS NOTED
 SHEET # FP7.09

GREENHILL VILLAGE SENIOR LIVING
 4715 ALGONQUIN DRIVE
 CEDAR FALLS, IA
 AREA: FIRE PROTECTION DETAILS



SYM	QTY	POSITION	FINISH	TEMP	K	RPT	SN	MPG	MODEL#	ESCUTCHEON	HEAD BOX (2" MIN)
●	203	PENDENT	WHITE	165	5.60	1/2"	RA2415	RELIABLE	G5	CONCEALED	2
◀	54	SIDEWALL	WHITE	200	5.60	1/2"	RA1425	RELIABLE	F1FR56	SEMI RECESSED	2
◀	24	SIDEWALL	WHITE	155	5.60	1/2"	RA1435	RELIABLE	F1FR56	SEMI RECESSED	2
◀	874	SIDEWALL	WHITE	155	4.40	1/2"	RA351	RELIABLE	F1 RES	SEMI RECESSED	2
●	556	PENDENT	WHITE	155	4.90	1/2"	RA3516	RELIABLE	F1 RES	SEMI RECESSED	2
●	76	PENDENT	WHITE	165	5.60	1/2"	RA5994	RELIABLE	LT56C	CONCEALED	2
●	21	PENDENT	WHITE	155	5.60	1/2"	RA1414	RELIABLE	F1FR56	SEMI RECESSED	2
●	45	PENDENT	WHITE	200	5.60	1/2"	RA1414	RELIABLE	F1FR56	SEMI RECESSED	2
●	25	PENDENT	WHITE	165	11.20	3/4"	R7146	RELIABLE	G4-XL0	CONCEALED	2
◀	6	SIDEWALL	CHROME	200	5.60	1"	RA1664	RELIABLE	CH56DRY	STANDARD	N/A
○	38	UPRIGHT	BRASS	200	5.60	1/2"	RA1425	RELIABLE	F1FR56	N/A	N/A
◀	13	SIDEWALL	WHITE	200	11.20	3/4"	TY5332	TYCO	ELOS200	SEMI RECESSED	2
◀	11	SIDEWALL	WHITE	200	11.20	3/4"	TY5337	TYCO	ELOS204	SEMI RECESSED	2
◀	13	PENDENT	WHITE	200	11.20	3/4"	RA7216	RELIABLE	JUS	SEMI RECESSED	2
●	2	PENDENT	CHROME	200	5.60	1"	R5714	RELIABLE	F30R	STANDARD	N/A
◀	1	SIDEWALL	WHITE	165	8.00	3/4"	RA4762	RELIABLE	G6	CONCEALED	2
●	188	UPRIGHT	BRASS	212	5.60	1/2"	RA5626	RELIABLE	AH56	N/A	2
●	143	UPRIGHT	BRASS	200	8.00	3/4"	RA5692	RELIABLE	OD00-27	N/A	2
○	182	UPRIGHT	BRASS	200	5.60	1/2"	RA5694	RELIABLE	OD56-27	N/A	2
●	77	UPRIGHT	BRASS	200	5.60	1/2"	VK950	VIKING	COIN	N/A	2
●	3	PENDENT	CHROME	200	5.60	1/2"	RA5114	RELIABLE	G5-56	CONCEALED	N/A
1944 TOTAL SPRINKLERS											

SPRINKLER HEAD LEGEND

SYMBOLS / ABBREVIATIONS

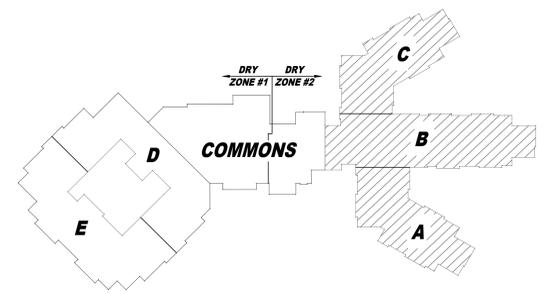
- EXISTING SPRINKLER PIPE
- NEW SPRINKLER PIPE
- HYDRAULIC REFERENCE POINT
- CENTERLINE OF PIPE ABOVE FINISH FLOOR
- CENTERLINE OF PIPE BELOW DECK
- ELEVATION OF SPRINKLER HEAD
- UNO. UNLESS NOTED OTHERWISE
- HANGER LOCATION
- LATERAL SWAY BRACE
- 4-WAY SWAY BRACE

Design Area #. 5 HAZARD: Light
 Zone: Dry Zone 2 System Type: Dry
 Location: Wing B Attic
 Flowing Outlets: 9
 Density: 0.10 Remote Area: 1220
 Required @ Pump Discharge:
 Flow 311.6 gpm @ 89.8 psi
 Required @ City Supply:
 Flow 311.6 gpm @ 2.9 psi
 Calculation Safety: 51 psi
 Includes 100 gpm Hose allowance

Design Area #. 4 HAZARD: Light
 Zone: Dry Zone 2 System Type: Dry
 Location: Wing C Attic
 Flowing Outlets: 9
 Density: 0.10 Remote Area: 845
 Required @ Pump Discharge:
 Flow 308.8 gpm @ 62.7 psi
 Required @ City Supply:
 Flow 308.8 gpm @ -24.3psi
 Calculation Safety: 78.2 psi
 Includes 100 gpm Hose allowance

Design Area #. 2 HAZARD: Light
 Zone: Dry Zone 2 System Type: Dry
 Location: Wing A Attic
 Flowing Outlets: 9
 Density: 0.10 Remote Area: 1325
 Required @ Pump Discharge:
 Flow 345.3 gpm @ 107.3 psi
 Required @ City Supply:
 Flow 345.3 gpm @ 21.3 psi
 Calculation Safety: 32.6 psi
 Includes 100 gpm Hose allowance

ATTIC FIRE SPRINKLER PLAN - WING C
 SCALE 1/8"=1'-0"



ATTIC FIRE SPRINKLER PLAN - WINGS A & B
 SCALE 1/8"=1'-0"

REVISIONS

NO.	DATE	REVISION DESCRIPTION

PROJECT INFORMATION
 CONTRACT # 1770-20614
 DATE OF ORIGINAL - 2/9/2021
 DESIGNER
 APPROVAL: CEDAR FALLS FD
 SCALE: AS NOTED
 SHEET # FP9.08

GREENHILL VILLAGE SENIOR LIVING
 4715 ALGONQUIN DRIVE
 CEDAR FALLS, IA
 AREA: FIRE PROTECTION DETAILS