

HANGER LOCATION DETAIL CPVC PIPE 100psi

PIPE SIZE	A (MAX)	B (MAX)	C (MAX)
1"	0'-6"	5'-6"	3'-0"
1 1/4"	1'-0"	6'-0"	4'-0"
1 1/2"	1'-0"	7'-0"	7'-0"
2"	1'-0"	8'-0"	7'-0"

Hydraulically Calculated System

This system as shown on SPRINKLERMATIC
 company print no FP-3.1 dated 7/17/24
 for 3000 SOUTH OCEAN ELSS
 at LEVEL 15 contract no 4249
 is designed to discharge at a rate of 0.1 gpm
 (L/min) per sq ft (m²) of floor area over a maximum area of
4 MDH sq ft (m²) when supplied
 with water rate of 205.8 gpm (L/min)
 at 60.6 psi (bars) at the base of the riser
 Hose allowance of 100 gpm (L/min)
 is included in the above.

Occupancy classification RESIDENTIAL
 Commodity classification N/A
 Maximum storage height N/A
 Installed by SPRINKLERMATIC

QUANTITY	DESCRIPTION	UNIT	QUANTITY	DESCRIPTION	UNIT
1	4" SPRINKLER STANDPIPE CLASS I AUTOM. WET		1	4" SPRINKLER STANDPIPE CLASS I AUTOM. WET	
2	2" DRAIN RISER		2	2" DRAIN RISER	
3	2 1/2" CONTROL VALVE		3	2 1/2" CONTROL VALVE	
4	2 1/2" CHECK VALVE		4	2 1/2" CHECK VALVE	
5	FLOW SWITCH		5	FLOW SWITCH	
6	4" CONTROL VALVE W/ T.S.		6	4" CONTROL VALVE W/ T.S.	
7	2 1/2" HOSE VALVE (EXISTING)		7	2 1/2" HOSE VALVE (EXISTING)	
8	2 1/2"x2 1/2" ROOF MANIFOLD (EXISTING)		8	2 1/2"x2 1/2" ROOF MANIFOLD (EXISTING)	

- NOTES:
- 4" SPRINKLER STANDPIPE CLASS I AUTOM. WET
 - 2" DRAIN RISER
 - 2 1/2" CONTROL VALVE
 - 2 1/2" CHECK VALVE
 - FLOW SWITCH
 - 4" CONTROL VALVE W/ T.S.
 - 2 1/2" HOSE VALVE (EXISTING)
 - 2 1/2"x2 1/2" ROOF MANIFOLD (EXISTING)

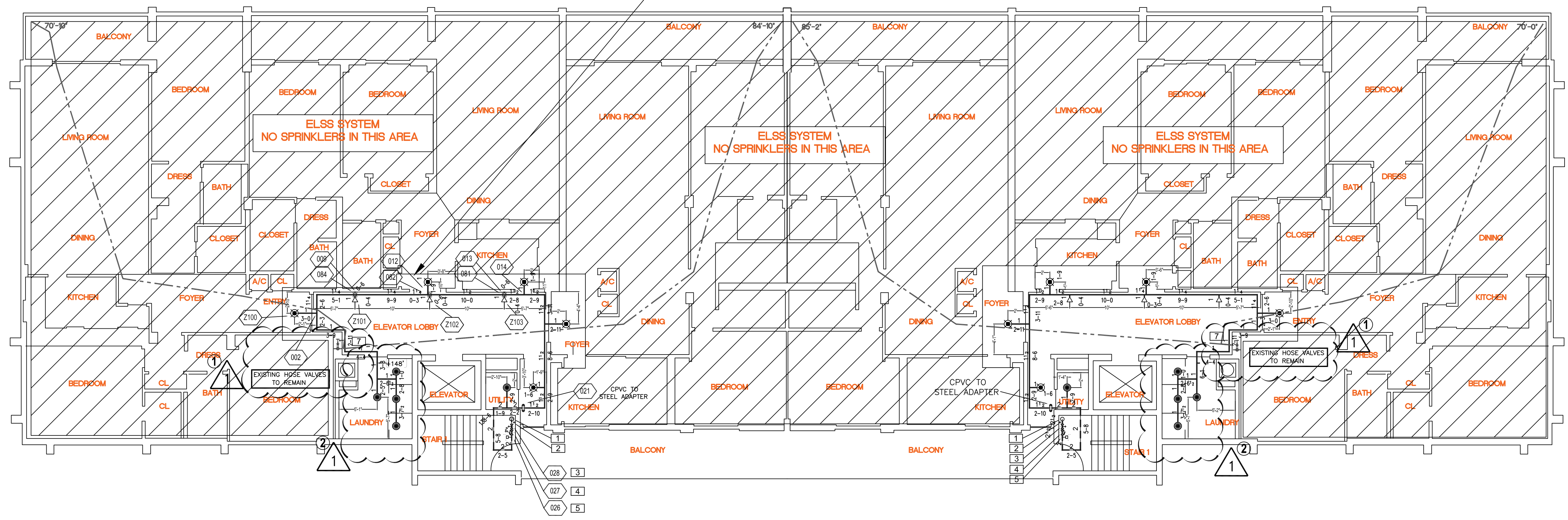
PIPE LEGEND

--- INDICATES CPVC PIPE
 --- INDICATES STEEL PIPE

- GENERAL NOTES**
- THE DESIGN, INSTALLATION, AND MAINTENANCE OF THE SPRINKLER (AND/OR STANDPIPE SYSTEMS) SHALL BE IN ACCORDANCE WITH THE FOLLOWING DOCUMENTS:
 - NFPA 13-2016 E.E.
 - NFPA 14-2016 E.E.
 - NFPA 20-2016 E.E.
 - NFPA 25-2016 E.E.
 - THE INSTALLATION AND FLUSHING OF THE AUTOMATIC FIRE SPRINKLER SYSTEM(S)
 - MUST BE WITNESSED BY A REPRESENTATIVE OF THE A.H.J.
 - MUST NOTIFY THE A.H.J. TWENTY-FOUR HOURS PRIOR TO ANY TEST.
 - MUST HAVE ALL PLANS) REVIEWED AND APPROVED BY THE A.H.J.
 - UNDERGROUND SYSTEM(S)
 - ALL UNDERGROUND IS EXISTING
 - SYSTEM COMPONENTS:
 - ONLY NEW SPRINKLER HEADS ARE TO BE INSTALLED.
 - ALL PIPING SHALL MEET THE REQUIREMENTS OF NFPA #13-2016, SECTION 6.3.
 - ALL FITTINGS SHALL MEET THE REQUIREMENTS OF NFPA #13-2016, SECTION 6.4.
 - ALL JOINING OF PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF NFPA #13-2016, SECTION 6.5.
 - CPVC PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF NFPA #13-2016, SECTION 6.5.1 & ASTM F 4382.
 - ALL NEW AUTOMATIC SPRINKLER SYSTEM(S) PIPING TO BE:
 - ALL 1" AND SMALLER PIPE TO BE SCH 40 BLACK STEEL WITH THREADED ENDS(S) AND CAST IRON THREADED FITTINGS(S)
 - ALL 1 1/4" AND LARGER PIPE TO BE BLACK SCH 10 STEEL WITH ROLL GROOVED ENDS(S) AND CAST IRON GROOVED FITTINGS(S) AND CAST IRON WELDED OUTLETS.
 - ALL CPVC PIPE TO BE BLAZEMASTER WITH NIBCO/BLAZEMASTER FITTINGS.
 - ALL PIPE LENGTHS SHOWN ARE "CUT".
 - ALL CONTROL VALVES ARE TO BE ELECTRICALLY SUPERVISED AND PROPERLY LABELED.
 - INSTALL EXTERIOR AUDIBLE ALARM.
 - AUTOMATIC FIRE SPRINKLER (STANDPIPE SYSTEM(S)) SHALL BE MONITORED BY AN APPROVED CENTRAL MONITORING STATION.
 - ELECTRICAL DEVICES TO BE WIRED BY OTHERS.
 - SPARE SPRINKLER HEADS, SPRINKLER WRENCH AND BOX TO BE PROVIDED PER NFPA-13
 - PREPARATION AND/OR PROTECTION OF AUTOMATIC FIRE SPRINKLER / STANDPIPE PIPING SHALL BE PROVIDED BY OTHERS, AND IS NOT PART OF THIS CONTRACT.
 - ONE HYDRAULIC PLACARD TO BE MOUNTED ON CORRESPONDING RISER FOR EACH HYDRAULIC CALC.

REV. 1

- ADDED NOTATION TO SHOW THE LOCATION OF EXISTING HOSE VALVES
- ADJUSTED LAYOUT OF HEADS AS PER FIELD DIRECTION



NO.	DATE	REVISION
1	6-27-24	CITY REVIEW COMMENTS

ENGINEER SEAL & SIGNATURE: [Blank]

SEAL: [Blank]

DATE: [Blank]

PROJECT: [Blank]

SCALE: [Blank]

DATE: [Blank]

REVISION: [Blank]

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 FIRE PROTECTION SYSTEMS, INC.
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 BOCA RATON, FL 33432
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 www.sprinklermatic.net

THREE THOUSAND SOUTH
 3000 SOUTH OCEAN BLVD.
 BOCA RATON, FL 33432
 LEVELS 3-15
 FIRE PROTECTION PLAN

MASTER PERMIT NO. 4249
 CONTRACT NO. City of Boca Raton
 APPROVAL: BRIAN REYNOLDS
 C.D.T. AS NOTED
 SCALE: 1/8" = 1'-0"
 DATE: 06/25/24
 REV. DATE: [Blank]

FP-3.1

LEVELS 3-15 FIRE PROTECTION PLAN (NO 13th FLOOR)
 SCALE: 1/8" = 1'-0"
 SQ. FT.: 11,000 ft (per floor)

CITY APPROVAL SEAL

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