



FIRE SPRINKLER GENERAL NOTES

1. AN AUTOMATIC FIRE SPRINKLER SYSTEM SHALL BE INSTALLED THROUGHOUT THE PREMISE IN ACCORDANCE WITH NFPA 13, 2010 ed., STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS.
2. THE SYSTEM SHALL COMPLY WITH ALL NATIONAL, STATE, AND LOCAL CODES AND MUST BE ACCEPTABLE BY THE AUTHORITY HAVING JURISDICTION.
3. ALL DIMENSIONS ARE CENTER-TO-CENTER UNLESS OTHERWISE NOTED.
4. ALL HANGERS TO BE ACCORDANCE WITH NFPA 13. ROUGH-IN PIPING TO BE TESTED IN ACCORDANCE WITH NFPA 13. ALL UNDERGROUND WORK (MATERIAL, INSTALLATION, FLUSHING, AND TESTING) IS TO BE IN ACCORDANCE WITH NFPA 25, BY OTHERS.
5. MATERIALS.
 - 5.1. ALL FIRE PROTECTION EQUIPMENT AND MATERIALS SHALL BE U.L. LISTED (WHEN APPLICABLE).
 - 5.2. ALL THREADED FITTINGS ARE TO BE CLASS 125 CAST IRON OR CLASS 150 MALLEABLE IRON.
 - 5.3. GROOVED FITTINGS ARE TO BE LISTED AND IN ACCORDANCE WITH NFPA 13.
 - 5.4. ALL SCREWED PIPE IS TO BE ALLED, DYNA-THREAD, IN ACCORDANCE WITH NFPA-13 AND ASTM 795.
6. THE FIRE SPRINKLER CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AS-BUILTS.
7. PIPE AND SPRINKLER LOCATIONS, ELEVATIONS AND DIMENSIONS SHALL BE VERIFIED IN THE FIELD. OFFSETS AND REVISED CUT LENGTHS SHALL BE PROVIDED AS NEEDED.
8. AUXILIARY DRAIN VALVES ARE TO BE PROVIDED WHERE PORTIONS OF THE SYSTEM ARE INSTALLED "TRAPPED", IN ACCORDANCE WITH NFPA 13.
9. FIRE DEPARTMENT CONNECTION (FDC):
 - 9.1. LOCATION OF FDC MUST BE APPROVED BY THE CITY FIRE OFFICIALS PRIOR TO INSTALLATION.
 - 9.2. FDC MUST BE ON STREET SIDE OF BUILDING.
 - 9.3. FDC MUST BE LOCATED AND ARRANGED SO THAT HOSE LINES CAN BE READY AND CONVENIENTLY ATTACHED TO THE RISERS WITHOUT INTERFERENCE FROM ANY NEARBY OBJECTS INCLUDING BUILDINGS, FENCES, POSTS, OR OTHER FIRE DEPARTMENT CONNECTIONS.
 - 9.4. PROPER ACCESS IS TO BE PROVIDED FOR FIRE DEPARTMENT PERSONNEL. AN ALL-WEATHER, CLEAR ACCESS PATH MUST BE PROVIDED TO AND AROUND THE FDC. FDC CANNOT BE IN UNPAVED AREA.
10. ALL WATER FLOW SWITCHES FOR THE AUTOMATIC FIRE SPRINKLER SYSTEMS MUST BE ELECTRICALLY SUPERVISED.
11. ALL VALVES CONTROLLING THE WATER SUPPLY FOR THE AUTOMATIC FIRE SPRINKLER SYSTEM MUST BE ELECTRICALLY SUPERVISED.
12. AN AUDIBLE SPRINKLER FLOW ALARM MUST BE PROVIDED ON THE EXTERIOR OF THE BUILDING IN AN APPROVED LOCATION.
13. OFF PREMISE MONITORING FOR THE FIRE SPRINKLER SYSTEM MUST BE PROVIDED.
14. HYDRAULIC INFORMATION TO BE PROVIDED ON SPRINKLER SYSTEM RISER.
15. INSPECTORS TEST CONNECTION AND LOW POINT DRAINS TO BE PROVIDED AS PER NFPA 13.
16. PAINTING, WIRING, FIRE EXTINGUISHERS, HYDRANTS, CITY CONNECTION, ROADWAY BOXES, & REMOTE SYSTEM MONITORING TO BE PROVIDED BY OTHERS.

SYMBOLS LEGEND

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|-------------------------|--------------------------|
| WET SYSTEM RISER | POST-INDICATOR VALVE |
| DRY SYSTEM RISER | OS&Y VALVE |
| ELECTRIC ALARM BELL | INDICATING BF VALVE |
| PIPE RISE/DROP | CHECK VALVE |
| PIPE CAP | SPRINKLER (SECTION VIEW) |
| 4 WAY SWAY BRACING | AUXILIARY DRAIN |
| 2 WAY SWAY BRACING | SIAMISE FDC |
| SPRINKLER PIPE | SINGLE FDC |
| EXISTING SPRINKLER PIPE | FIRE HYDRANT |
| PIPE HANGER | PIPE DIAMETER & LENGTH |
| FIRELOCK GRVD. COUPLING | HYDRAULIC REF. POINT |
| FIRELOCK RED. COUPLING | CEILING ELEV. & TYPE |
| THREADED COUPLING | RISE/DROP LENGTHS |
| THREADED RED. COUPLING | |
| VALVE | |

SPRINKLER HEAD LEGEND

MAKE	TYCO	VICTAULIC	TYCO	VICTAULIC
MODEL #	LPI	V27	LPI	V27
HEAD TYPE	PENDENT	PENDENT	SIDEWALL	SIDEWALL
SPACING	8X16	15X15	8X16	14X14
FINISH	WHITE	BRASS	CHROME	BRASS
K-FACTOR	4.9	5.6	4.2	5.6
ORIFICE	1/2"	1/2"	1/2"	1/2"
TEMP.	155°	200°	155°	200°
CANOPY	CONCEALED	RECESSED	RECESSED	RECESSED
QUANTITY	210	50	25	10
TOTAL HEAD COUNT	295			

JOB SUMMARY

BUILDING CODES AND STANDARDS
-2009 INTERNATIONAL BUILDING CODE
-2009 INTERNATIONAL FIRE CODE
-NFPA 13, 2010 ED.
-NFPA 14, 2010 EDITION
-NFPA 20, 2010 EDITION
-NFPA 24, 2010 EDITION

GENERAL BUILDING AREAS
FIRE PROTECTION SYSTEMS

HYDRAULIC INFORMATION

SYSTEM #	1
REMOTE AREA #	1
LOCATION	4th Level Corridor
OCC. CLASSIFICATION	Light Hazard
DENSITY	0.10 gpm/1500 ft²
TOTAL HOSE STREAMS	000
TOTAL FLOW REQUIRED	00.00
TOTAL PRESSURE REQUIRED	00.00
BASE OF RISER (gpm)	00.00
BASE OF RISER (psi)	00.00
SAFETY MARGIN (psi)	+00.00 psi (00.00%)
SYSTEM VOLUME	000 gal



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SUNRIDGE ASSISTED LIVING
FIRE SPRINKLER PLAN
7037 SOUTH 4800 WEST
WEST JORDAN, UT 84084

revisions:

data

project no:
drawn by:
date:

title

ATTIC LEVEL FIRE
SPRINKLER PLAN

sheet

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