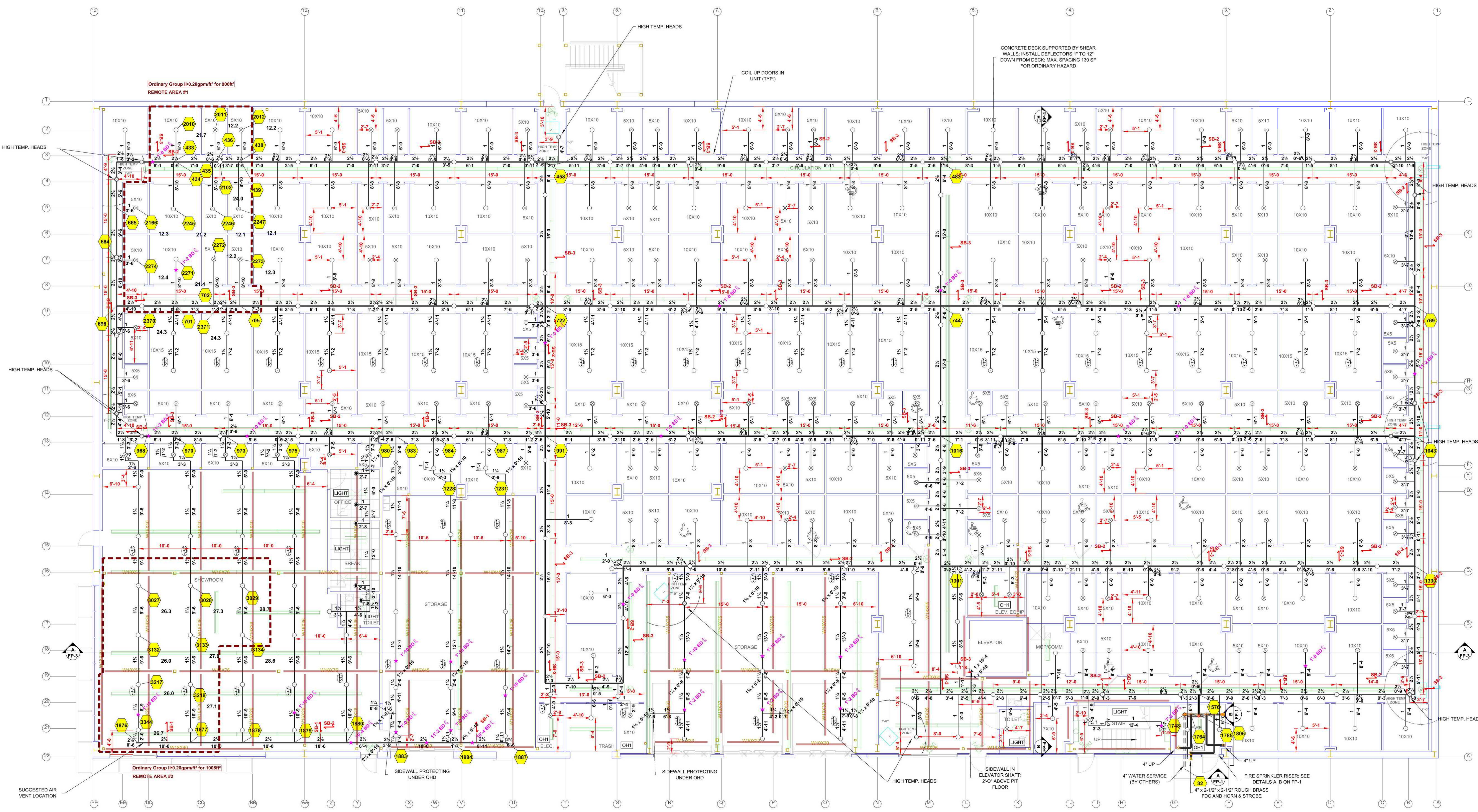


1ST LEVEL SOUTHEAST	
Remote Area 1	
OCCUPANCY CLASSIFICATION	Ordinary Group II
DENSITY (gpm/ft ²)	0.20 for 1500ft ² (Actual 908ft ²)
QUICK RESPONSE REDUCTION	10'-4" Ceiling (39.5%) 908ft ²
TOTAL HOSE STREAMS	250.0
TOTAL HEADS FLOWING	9
K-FACTOR	8
TOTAL WATER REQUIRED	494.9
TOTAL PRESSURE REQUIRED	35.6
BASE OF RISER (gpm)	234.9
BASE OF RISER (psi)	21.5
SAFETY MARGIN (psi)	+30.4 (46.1%)
REMOTE AREA REDUCED BY 39.5% DUE TO 10'-4" CEILING HEIGHT	

1ST LEVEL NORTHEAST	
Remote Area 2	
OCCUPANCY CLASSIFICATION	Ordinary Group II
DENSITY (gpm/ft ²)	0.20 for 1500ft ² (Actual 1008ft ²)
QUICK RESPONSE REDUCTION	10'-4" Ceiling (39.5%) 908ft ²
TOTAL HOSE STREAMS	250.0
TOTAL HEADS FLOWING	9
K-FACTOR	8
TOTAL WATER REQUIRED	493.8
TOTAL PRESSURE REQUIRED	45.4
BASE OF RISER (gpm)	243.8
BASE OF RISER (psi)	30.9
SAFETY MARGIN (psi)	+20.6 (31.2%)
REMOTE AREA REDUCED BY 39.5% DUE TO 10'-4" CEILING HEIGHT	



PROJECT SUMMARY	
PROJECT NAME:	U-HAUL SILVER LAKE
PROJECT ADDRESS:	200 SILVER LAKE RD, Reno NV 89508
APN:	091-05-04
PROJECT TYPE:	<input checked="" type="checkbox"/> NEW <input type="checkbox"/> T1
TYPE OF CONSTRUCTION:	I-B
OCCUPANCY GROUP (IG):	S-1
OCCUPIED LEVELS:	3
TOTAL SPRINKLERED AREA:	97,524 SQ. FT.
NFPA CODES REQUIREMENT:	<input checked="" type="checkbox"/> NFPA 13 <input type="checkbox"/> NFPA 15R <input type="checkbox"/> NFPA 15D
NUMBER OF SYSTEMS:	1
SYSTEM TYPE (S):	<input checked="" type="checkbox"/> WET <input type="checkbox"/> ANTI-FREEZE <input type="checkbox"/> DRY <input type="checkbox"/> PREACTION
TOTAL SPRINKLERS:	1364
SPECIAL NOTES:	SEE FIRE SPRINKLER NOTES THIS SHEET

GENERAL INFORMATION	
1. INTERNATIONAL BUILDING CODE (2018)	
1.1 OCCUPANCY TYPE S-1	
1.2 TYPE OF CONSTRUCTION: I-B	
1.3 SPRINKLERED AREAS	(APPROXIMATE - SEE ARCHITECTURAL PLANS FOR ACTUAL)
1ST FLOOR AREA = 32,568 S.F.	
2ND FLOOR AREA = 32,568 S.F.	
3RD FLOOR AREA = 32,568 S.F.	
1.4 DESIGN & INSTALLATION STANDARDS: NFPA-13 (2022)	
1.5 AUTHORITY HAVING JURISDICTION (AHJ) RENO FIRE MARSHALL	
2. SPRINKLER PIPE TYPES:	
2.1 1" PIPE TO BE SCHEDULE 40 BLACK STEEL W/ THREADED FITTINGS	
2.2 1-1/4" THROUGH 2-1/2" MAINS & BRANCH LINES TO BE BLACK SCHEDULE 10 W/ GROOVED FITTINGS	
2.3 2" AND LARGER TO USE GROOVED SHORT RADIUS FITTINGS	
3. DESIGN CRITERIA:	
3.1 ORDINARY HAZARD GROUP II AREAS INCLUDE ALL FLOORS IN THE WAREHOUSE (U.O.O.)	
3.2 REMOTE AREA REDUCTIONS HAVE BEEN TAKEN WHERE APPLICABLE PER NFPA 13 SEC. 19.2.3.2.3	
4. NOTES:	
4.1 ALL MATERIAL TO BE NEW AND MEET U.L. STANDARDS	
4.2 HANGERS TO BE INSTALLED IN ACCORDANCE WITH NFPA 13 - SEE PLAN FOR HANGING REQUIREMENTS	
5. SCOPE OF WORK:	
5.1 INSTALL A COMPLETE THREE ZONE (PER FLOOR) WET FIRE SPRINKLER SYSTEM TO COVER ALL AREAS OF BUILDING	

GENERAL CONTRACTOR		AUTHORITY HAVING JURISDICTION	
ADDRESS:		ADDRESS:	
CITY:		CITY:	
PHONE:		PHONE:	
CONTACT:		CONTACT:	
ARCHITECT: CONCEPT ARCHITECTURE LLC		FIELD INSPECTORS:	
ADDRESS: 1005 TERMINAL WAY SUITE 24		1.	
CITY: RENO		2.	
PHONE: 775-247-7889		3.	
		4.	

SPRINKLER HEAD LEGEND	
*x*FF	PIPE ELEVATION ABOVE FINISH FLOOR
*x*BD	PIPE ELEVATION BELOW DECK
OH1	ROOM HAZARD CLASSIFICATION (ALL ROOMS ARE CONSIDERED OH2 U.O.O.)
W	HYDRAULIC CALCULATION JUNCTION POINT
9'-0"	CEILING HEIGHT
5'-1"	DIMENSION TAG
—	WET BLACK STEEL PIPE
—	Z PURLIN
—	I BEAM

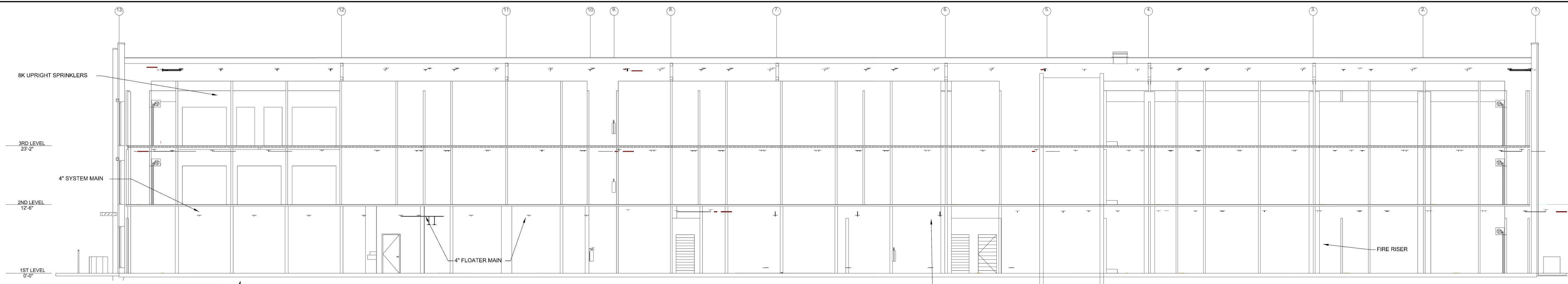
SEE PLAN

FIRE SPRINKLER SYMBOLS	
*x*FF	PIPE ELEVATION ABOVE FINISH FLOOR
*x*BD	PIPE ELEVATION BELOW DECK
OH1	ROOM HAZARD CLASSIFICATION (ALL ROOMS ARE CONSIDERED OH2 U.O.O.)
W	HYDRAULIC CALCULATION JUNCTION POINT
9'-0"	CEILING HEIGHT
5'-1"	DIMENSION TAG
—	WET BLACK STEEL PIPE
—	Z PURLIN
—	I BEAM

PROJECT NAME:	
FIRE SPRINKLER PLANS FOR U-HAUL SILVER LAKE	
200 SILVER LAKE RD RENO, NV 89508	
DRAWING TITLE:	
FIRE SPRINKLER PLAN	
SCALE: 1/8" = 1'-0" U.O.	JOB NO. 25039
DRAWN BY:	DWG NO.
BORN ON DATE: 07/22/25	FP-2
FILE: 07/22/25	SHEET 2 OF 4

Sprinkler Legend											
Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish Temp	Coverage	
○	Reliable	RA6322	F1FR80	857	8	Upright	1/2"	Quick	Brass	200°F	Standard
○	Reliable	RA1425	F1FR56	484	4.2	Upright	1/2"	Quick	Brass	200°F	Standard
○	Reliable	RA6322	F1FR80	13	8	Upright	1/2"	Quick	Brass	286°F	Standard
○	Reliable	RA1414	F1FR56	5	5.6	Pendent	1/2"	Quick	Brass	155°F	Standard
○	Reliable	RA1435	F1FR56	5	5.6	Horizontal Sidewall	1/2"	Quick	Brass	155°F	Standard
				Total =	1364						

MAIN LEVEL FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"



2ND LEVEL NORTHEAST

Remote Area #3

OCCUPANCY CLASSIFICATION	Ordinary Group II
DENSITY (sqm/ft)	0.20 for 1500ft ² (Actual 906ft ²)
QUICK RESPONSE REDUCTION	10'-4" Ceiling (35.5% 906ft ²)
TOTAL HOSE STREAMS	250.0
TOTAL HEADS FLOWING	15
K-FACTOR	8.42
TOTAL WATER REQUIRED	530.7
TOTAL PRESSURE REQUIRED	41.0
BASE OF RISER (psi)	25.8
SAFETY MARGIN (psi)	+24.7 (37.5%)

REMOTE AREA REDUCED BY 35.5% DUE TO 10'-4" CEILING HEIGHT

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

PROJECT SUMMARY

PROJECT NAME	U-HAUL SILVER LAKE
PROJECT ADDRESS	200 SILVER LAKE RD, Reno NV 89506
APN	08739524
PROJECT TYPE	<input checked="" type="checkbox"/> NEW <input type="checkbox"/> T.I.
TYPE OF CONSTRUCTION	I.B
OCCUPANCY GROUP (U)	S-1
OCCUPIED LEVELS	3
TOTAL SPRINKLER AREA	97,524 SQ. FT.
NFPA CODE REQUIREMENT	<input checked="" type="checkbox"/> NFPA 13 <input type="checkbox"/> NFPA 13R <input type="checkbox"/> NFPA 15D
NUMBER OF SYSTEMS	1
SYSTEM TYPE (S)	<input checked="" type="checkbox"/> WET <input type="checkbox"/> ANTIFREEZE <input type="checkbox"/> DRY <input type="checkbox"/> PREACTION
TOTAL SPRINKLERS	1364
SPECIAL NOTES	SEE FIRE SPRINKLER NOTES THIS SHEET

1	02/12/2019	ISSUED FOR SUBMITTAL TO AHJ	YPN	ADK
NO.	DATE	REVISION	DRAWN	CHECKED

GENERAL CONTRACTOR: _____ AUTHORITY HAVING JURISDICTION: _____

ADDRESS: _____ ADDRESS: _____

CITY: _____ CITY: _____

PHONE: _____ PHONE: _____

CONTACT: _____ CONTACT: _____

ARCHITECT: CONCEPT ARCHITECTURE LLC. FIELD INSPECTIONS: _____

ADDRESS: 1005 TERMINAL WAY SUITE 24 _____

CITY: RENO _____

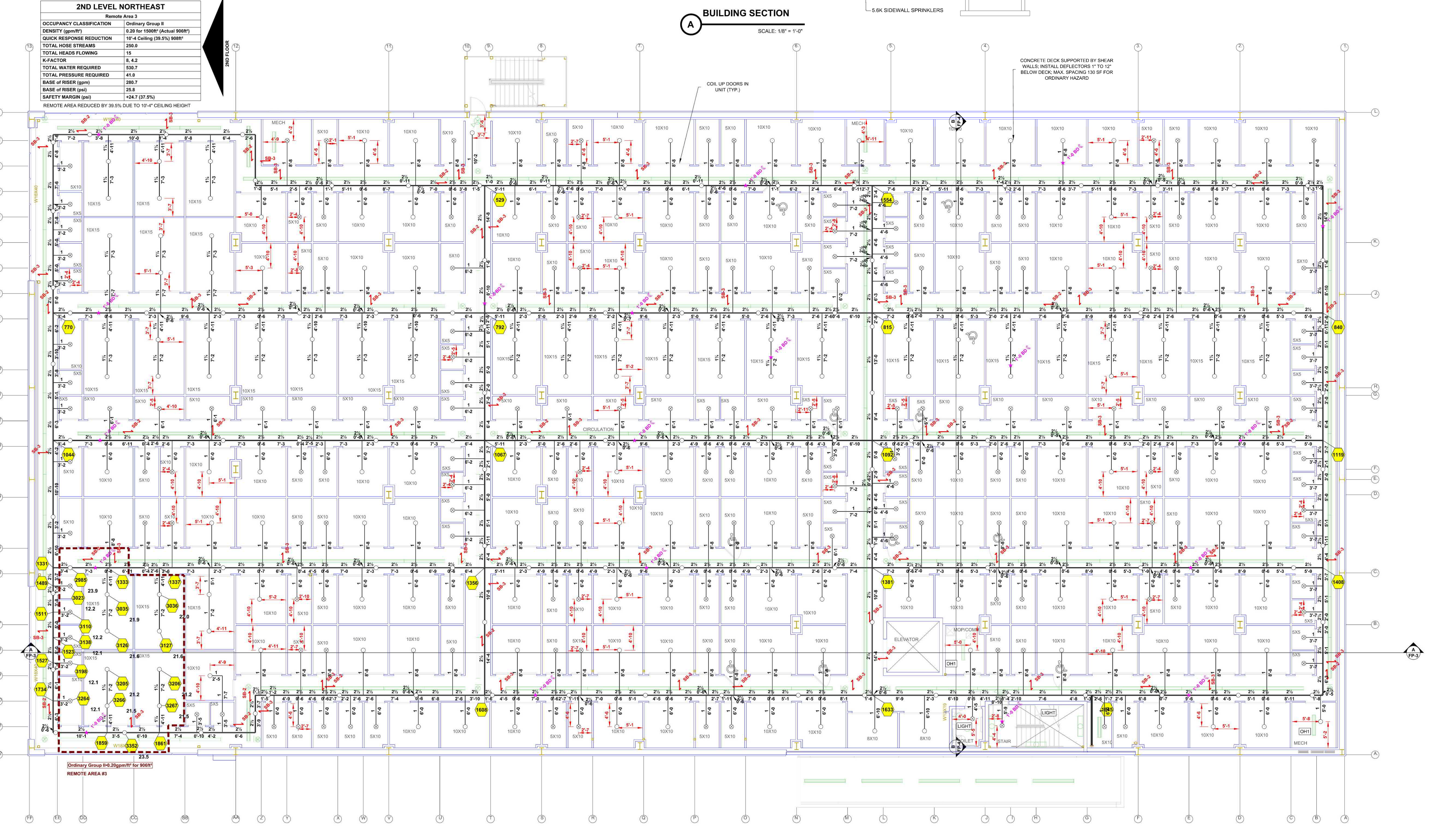
PHONE: 775-247-7889 _____

- GENERAL INFORMATION**
- INTERNATIONAL BUILDING CODE (2018)
 - OCCUPANCY: TYPE S-1
 - TYPE OF CONSTRUCTION: I-B
 - SPRINKLERED AREAS (APPROXIMATE - SEE ARCHITECTURAL PLANS FOR ACTUAL)
 - 1ST FLOOR AREA = 32,568 S.F.
 - 2ND FLOOR AREA = 32,568 S.F.
 - 3RD FLOOR AREA = 32,568 S.F.
 - DESIGN & INSTALLATION STANDARDS: NFPA-13 (2022)
 - AUTHORITY HAVING JURISDICTION (AHJ): RENO FIRE MARSHALL
 - SPRINKLER PIPE TYPES:
 - WET
 - 1" PIPE TO BE SCHEDULE 40 BLACK STEEL W/ THREADED FITTINGS
 - 2" - 10" THROUGH 2'-0" MAINS & BRANCH LINES TO BE BLK SCHEDULE 10 W/ GROOVED FITTINGS
 - 2.3" AND LARGER TO USE GROOVED SHORT RADIUS FITTINGS
 - DESIGN CRITERIA:
 - ORDINARY HAZARD GROUP II AREAS INCLUDE ALL FLOORS IN THE WAREHOUSE (U.N.O.)
 - REMOTE AREA REDUCTIONS HAVE BEEN TAKEN WHERE APPLICABLE PER NFPA 13 SEC. 19.3.2.3.3
 - NOTES:
 - ALL MATERIAL TO BE NEW AND MEET U.L. STANDARDS
 - HANGERS TO BE INSTALLED IN ACCORDANCE WITH NFPA 13 - SEE PLAN FOR HANGING REQUIREMENTS
 - SCOPE OF WORK:
 - INSTALL A COMPLETE THREE ZONE (PER FLOOR) WET FIRE SPRINKLER SYSTEM TO COVER ALL AREAS OF BUILDING

SPINKLER HEAD LEGEND

SEE PLAN

- FIRE SPRINKLER SYMBOLS**
- *x4FF PIPE ELEVATION ABOVE FINISH FLOOR
 - *x4BD PIPE ELEVATION BELOW DECK
 - OH1 ROOM HAZARD CLASSIFICATION (ALL ROOMS ARE CONSIDERED OH2 U.N.O.)
 - Hydraulic calculation junction point
 - 9'-0" CEILING HEIGHT
 - 5'-1" DIMENSION TAG
 - WET BLACK STEEL PIPE
 - Z PURLIN
 - I BEAM



Ordinary Group II-0.20sqm/ft for 906ft²
REMOTE AREA #3

Sprinkler Legend

Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish	Temp	Coverage
○	Reliable	RA6322	F1FR80	857	8	Upright	1/2"	Quick	Brass	200°F	Standard
○	Reliable	RA1425	F1FR56	484	4.2	Upright	1/2"	Quick	Brass	200°F	Standard
○	Reliable	RA6322	F1FR56	13	8	Upright	1/2"	Quick	Brass	288°F	Standard
○	Reliable	RA1414	F1FR56	5	5.6	Pendent	1/2"	Quick	Brass	155°F	Standard
○	Reliable	RA1435	F1FR56	5	5.6	Horizontal Sidewall	1/2"	Quick	Brass	155°F	Standard
				Total = 1364							

LEVEL 2 FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"

PROJECT NAME: FIRE SPRINKLER PLANS FOR U-HAUL SILVER LAKE
200 SILVER LAKE RD, RENO, NV 89506

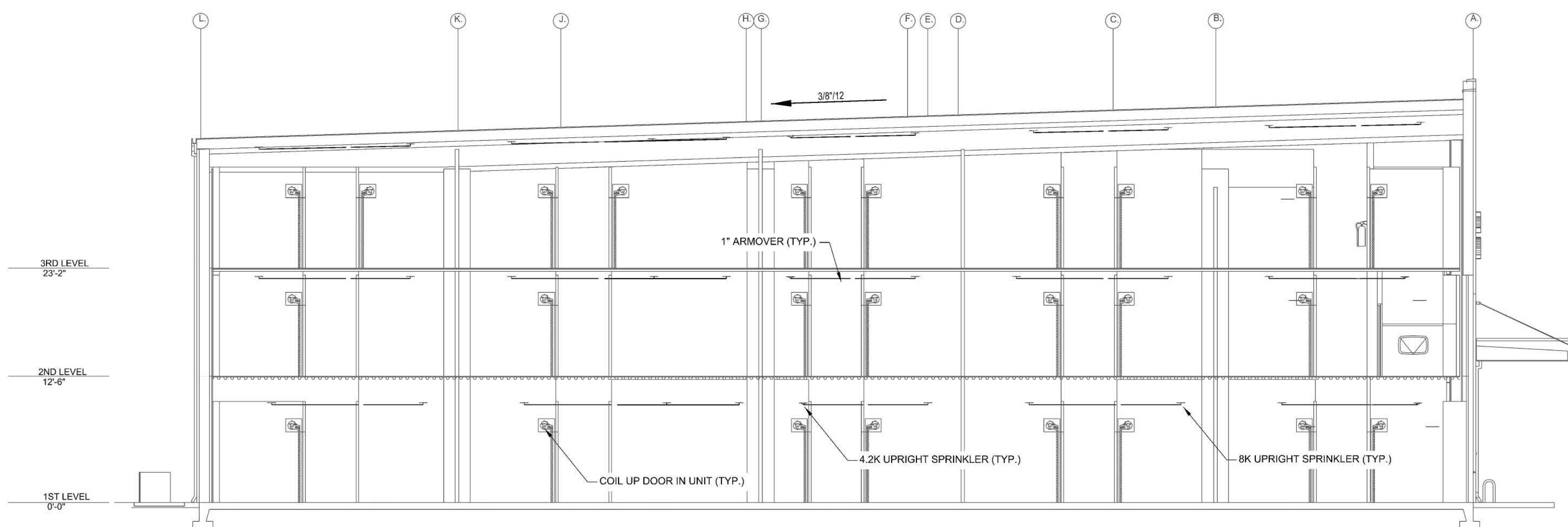
DRAWING TITLE: **FIRE SPRINKLER PLAN**

SCALE: 1/8" = 1'-0" U.N.O. JOB NO: 25039

DRAWN BY: _____ DWG NO: _____

BORN ON DATE: 07/22/25 FILE: 072225

SHEET 3 OF 4 **FP-3**



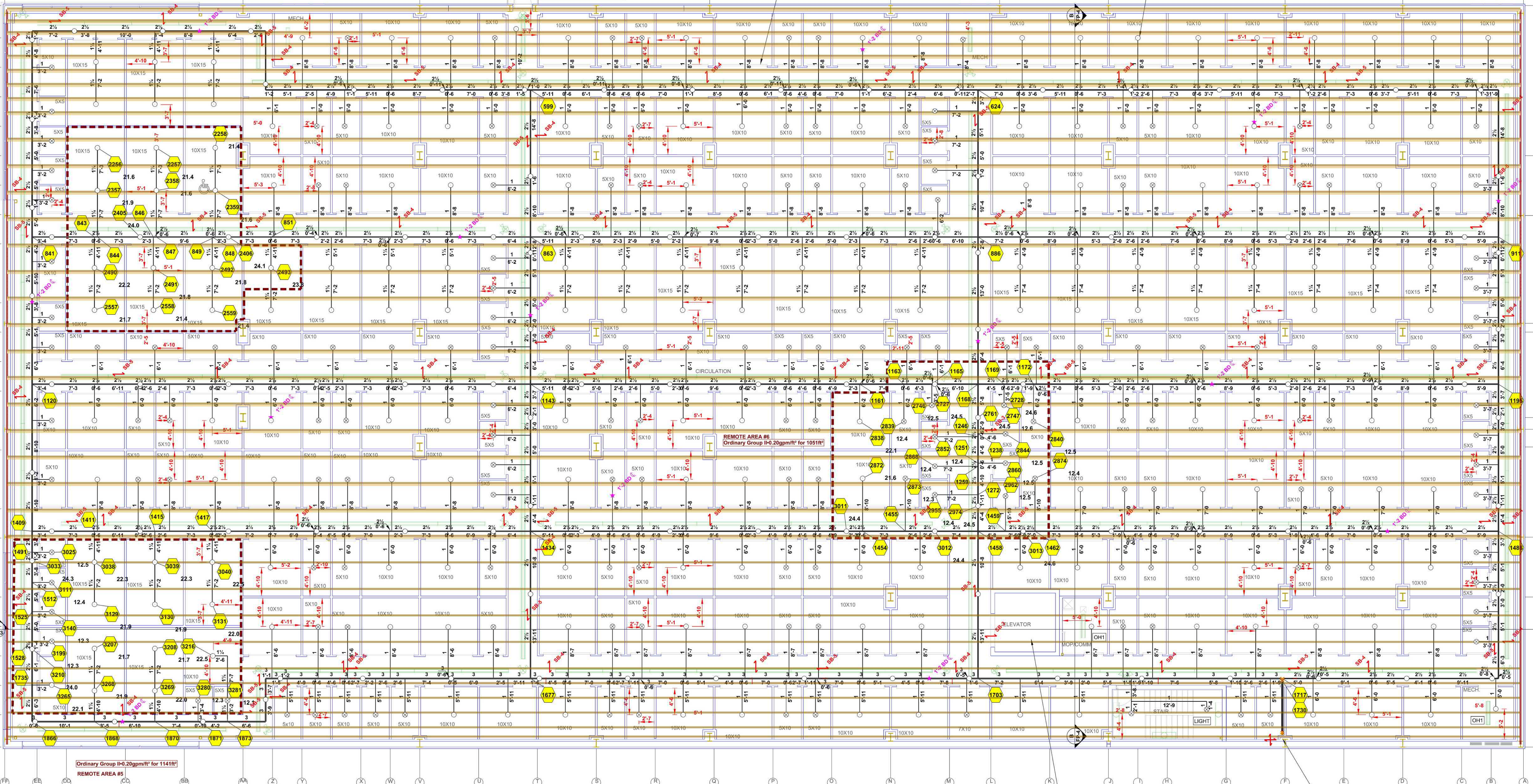
BUILDING SECTION
SCALE: 1/8" = 1'-0"

3RD LEVEL SOUTHEAST
Remote Area 4

OCCUPANCY CLASSIFICATION	Ordinary Group II
DENSITY (gpm/ft ²)	0.20 for 1500ft ² (Actual 1101ft ²)
QUICK RESPONSE REDUCTION	15'-8" Ceiling (31.5%) 1028ft ²
TOTAL HOSE STREAMS	250.0
TOTAL HEADS FLOWING	15
K-FACTOR	8
TOTAL WATER REQUIRED	581.7
TOTAL PRESSURE REQUIRED	51.2
BASE OF RISER (gpm)	331.7
BASE OF RISER (psi)	34.9
SAFETY MARGIN (psi)	+14.0 (21.5%)

REMOTE AREA REDUCED BY 31.5% DUE TO 15'-8" CEILING HEIGHT

REMOTE AREA #4
Ordinary Group II-0.20gpm/ft² for 1101ft²



3RD LEVEL NORTHEAST
Remote Area 5

OCCUPANCY CLASSIFICATION	Ordinary Group II
DENSITY (gpm/ft ²)	0.20 for 1500ft ² (Actual 1411ft ²)
QUICK RESPONSE REDUCTION	15'-8" Ceiling (31.5%) 1028ft ²
TOTAL HOSE STREAMS	250.0
TOTAL HEADS FLOWING	20
K-FACTOR	4.2, 8
TOTAL WATER REQUIRED	637.1
TOTAL PRESSURE REQUIRED	52.7
BASE OF RISER (gpm)	387.1
BASE OF RISER (psi)	35.1
SAFETY MARGIN (psi)	+12.0 (18.5%)

REMOTE AREA REDUCED BY 31.5% DUE TO 15'-8" CEILING HEIGHT

3RD LEVEL CENTRAL
Remote Area 6

OCCUPANCY CLASSIFICATION	Ordinary Group II
DENSITY (gpm/ft ²)	0.20 for 1500ft ² (Actual 1051ft ²)
QUICK RESPONSE REDUCTION	15'-8" Ceiling (31.5%) 1028ft ²
TOTAL HOSE STREAMS	250.0
TOTAL HEADS FLOWING	21
K-FACTOR	8, 4.2
TOTAL WATER REQUIRED	614.6
TOTAL PRESSURE REQUIRED	49.0
BASE OF RISER (gpm)	364.8
BASE OF RISER (psi)	31.9
SAFETY MARGIN (psi)	+12.0 (24.6%)

REMOTE AREA REDUCED BY 31.5% DUE TO 15'-8" CEILING HEIGHT

LEVEL 3 FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"

PROJECT SUMMARY

PROJECT NAME	U-HAUL SILVER LAKE
PROJECT ADDRESS	200 SILVER LAKE RD, Reno NV 89506
APN	0873024
PROJECT TYPE	<input checked="" type="checkbox"/> NEW <input type="checkbox"/> T.I.
TYPE OF CONSTRUCTION	I.B.
OCCUPANCY GROUP (IG)	5-1
OCCUPIED LEVELS	3
TOTAL SPRINKLER AREA	97,524 SQ. FT.
NFPA CODE REQUIREMENT	<input checked="" type="checkbox"/> NFPA 13 <input type="checkbox"/> NFPA 13R <input type="checkbox"/> NFPA 13D
NUMBER OF SYSTEMS	1
SYSTEM TYPE (S)	<input checked="" type="checkbox"/> WET <input type="checkbox"/> ANTIFREEZE <input type="checkbox"/> DRY <input type="checkbox"/> PREACTION
TOTAL SPRINKLERS	1991
SPECIAL NOTES	SEE FIRE SPRINKLER NOTES THIS SHEET

NO.	DATE	REVISION	Y/N	ACK
1	02/20/20	ISSUED FOR SUBMITTAL TO AHJ		

GENERAL CONTRACTOR AUTHORITY HAVING JURISDICTION

ADDRESS	ADDRESS
CITY	CITY
PHONE	PHONE
CONTACT	CONTACT

ARCHITECT: CONCEPT ARCHITECTURE LLC FIELD INSPECTORS:

ADDRESS	1005 TERMINAL WAY SUITE 24
CITY	RENO
PHONE	775-247-7889

- GENERAL INFORMATION**
- INTERNATIONAL BUILDING CODE (2018)
 - OCCUPANCY: TYPE 5-1
 - TYPE OF CONSTRUCTION: II-B
 - SPRINKLER AREAS (APPROXIMATE - SEE ARCHITECTURAL PLANS FOR ACTUAL)
 - 1ST FLOOR AREA = 32,568 S.F.
 - 2ND FLOOR AREA = 32,568 S.F.
 - 3RD FLOOR AREA = 32,568 S.F.
 - DESIGN & INSTALLATION STANDARDS: NFPA-13 (2022)
 - AUTHORITY HAVING JURISDICTION (AHJ) RENO FIRE MARSHALL
 - SPRINKLER PIPE TYPES:
 - WET
 - 2.1 1" PIPE TO BE SCHEDULE 40 BLACK STEEL W/ THREADED FITTINGS
 - 2.2 1/4" THROUGH 5/8" MAINS & BRANCH LINES TO BE BLK SCHEDULE 10 W/ GROOVED FITTINGS
 - 2.3 2" AND LARGER TO USE GROOVED SHORT RADIUS FITTINGS
 - DESIGN CRITERIA:
 - ORDINARY HAZARD GROUP II AREAS INCLUDE ALL FLOORS IN THE WAREHOUSE (U.N.O.)
 - REMOTE AREA REDUCTIONS HAVE BEEN TAKEN WHERE APPLICABLE PER NFPA 13 SEC. 19.2.3.2.3
 - NOTES:
 - ALL MATERIAL TO BE NEW AND MEET U.L. STANDARDS
 - HANGERS TO BE INSTALLED IN ACCORDANCE WITH NFPA 13 - SEE PLAN FOR HANGING REQUIREMENTS
 - SCOPE OF WORK:
 - INSTALL A COMPLETE THREE ZONE (PER FLOOR) WET FIRE SPRINKLER SYSTEM TO COVER ALL AREAS OF BUILDING

SPRINKLER HEAD LEGEND

SEE PLAN

- FIRE SPRINKLER SYMBOLS**
- *xkff PIPE ELEVATION ABOVE FINISH FLOOR
 - *xkBD PIPE ELEVATION BELOW DECK
 - [OH1] ROOM HAZARD CLASSIFICATION (ALL ROOMS ARE CONSIDERED OH2 U.N.O.)
 - [Y] HYDRAULIC CALCULATION JUNCTION POINT
 - 9'-0" CEILING HEIGHT
 - 5'-1" DIMENSION TAG
 - WET BLACK STEEL PIPE
 - Z PURLIN
 - I BEAM

PROJECT NAME: FIRE SPRINKLER PLANS FOR U-HAUL SILVER LAKE
200 SILVER LAKE RD
RENO, NV 89506

DRAWING TITLE: FIRE SPRINKLER PLAN

SCALE:	1/8" = 1'-0" U.N.O.	JOB NO. 25039
DRAWN BY:		DWG NO.
BORN ON DATE:	07/22/25	
FILE:	072225	SHEET 4 OF 4

FP-4