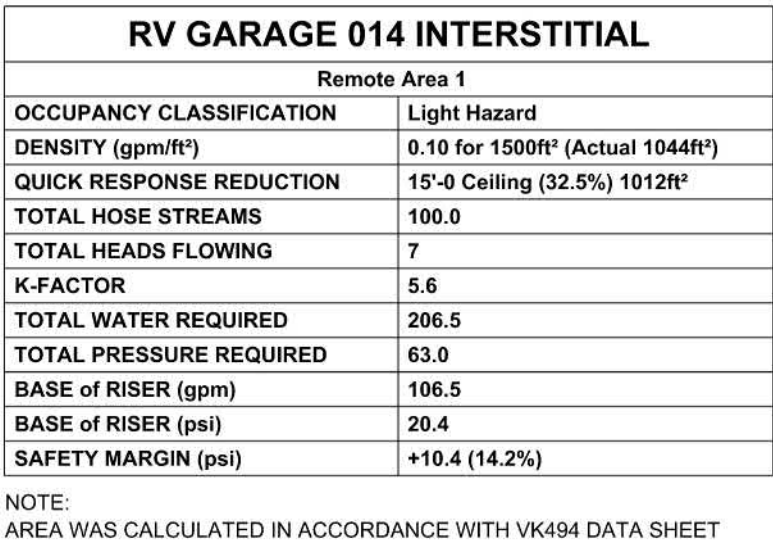
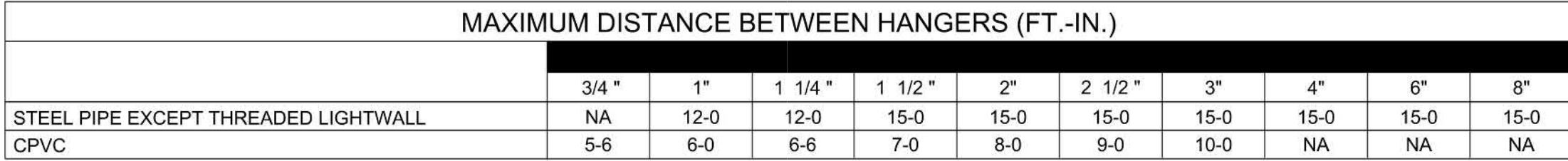
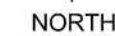


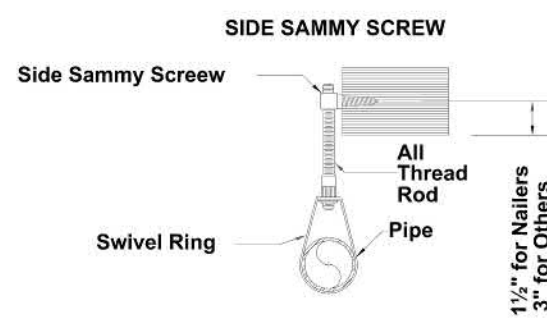


SCALE: 1/8" = 1'-0"



MAXIMUM DISTANCE BETWEEN HANGERS (FT.-IN.)

MAXIMUM DISTANCE BETWEEN HANGERS (FT.-IN.)										
	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"
STEEL PIPE EXCEPT THREADED LIGHTWALL	NA	12-0	12-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0
CPVC	5-6	6-0	6-6	7-0	8-0	9-0	10-0	NA	NA	NA



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



CRAIG RESIDENCE SPRINKLER LEGEND											
SYM	MFG	SIN	Model	Quantity	Type	Size	Response	Finish	Temp	Note	
	Viking	VK404	Freedom	158	4"	Concealed Pendant	%	Fast	Brass	200°F	WHITE PLATE CONC.
	Viking	VK650	CON	111	5.6	Upright	%	Quick	Brass	200°F	N/A
	Viking	VK494	Freedom	10	4.9	Concealed Pendant	%	Fast	Brass	200°F	BLACK PLATE CONC.
				Total =	277						

[illegible]

SIGNATURE

PROJECT NAME: **BLUE HERON HOME - CRAIG RESIDENCE**

PROJECT NAME: **BLUE HERON**

PROJECT ADDRESS: **1001 VILLA GRAND W
BOULDER CITY, NV 89001
APN: 181-34-303-001**

GENERAL CONTRACTOR:
**DAX CONTRACTING
7900 W SUNSET RD. SUITE 501
LAS VEGAS, NV 89113**

FIRE SPRINKLER PLANS

PROJECT NO:	25-008
DRAWN:	M. SATTER
DATE:	8/21/2025
SCALE:	1/8" = 1'-0"

FP 2 OF 4

NOTE:
AREA WAS CALCULATED IN ACCORDANCE WITH VK494 DATA SHEET

SPRINKLERS NOT REQUIRED IN
COMBUSTIBLE CONCEALED SPACE
UNDER 55 SQ FT PER NFPA 13 SEC
8.15.1.2.17(2)

POOL
STORAGE
109

COMBUSTIBLE OPEN-WEB FLOOR TRUSSES SPACED @ 2'-0" O.C.; INSTALL DEFLECTOR 1/2" TO 4" BELOW INSULATION LINED UPPER DECK; MAX COVERAGE OF 256 SQ FT



FIRE PROTECTION PIPING PLAN - LEVEL 1
SCALE: 1/8" = 1'-0"



FIRE PROTECTION RCP PLAN - LEVEL 1



MAXIMUM DISTANCE BETWEEN HANGERS (FT.-IN.)										
	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"
STEEL PIPE EXCEPT THREADED LIGHTWALL	NA	12-0	12-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0
CPVC	5-6	6-0	6-6	7-0	8-0	9-0	10-0	NA	NA	NA

BED 1 120	
Remote Area 3	
OCCUPANCY CLASSIFICATION	Residential
DENSITY (gpm/ft ²)	0.10 for 900ft ² (Actual 277ft ²)
TOTAL HOSE STREAMS	100.0
TOTAL HAZARDS FLOWING	4
K-FACTOR	4.9
TOTAL WATER REQUIRED	152.7
TOTAL PRESSURE REQUIRED	63.1
BASE OF RISER (gpm)	52.7
BASE OF RISER (psi)	20.6
SAFETY MARGIN (psi)	+10.6 (14.4%)

APPROVAL STAMP

CRAIG RESIDENCE SPRINKLER LEGEND									
	SYM	MFG	SIN	Model	Type	Size	Response	Finish	Note
				156	4.3 Correlated Pendant <td>%</td> <td>Fast <td>Brass</td> <td>200°F WHITE PLATE CONC.</td> </td>	%	Fast <td>Brass</td> <td>200°F WHITE PLATE CONC.</td>	Brass	200°F WHITE PLATE CONC.
				111	5.4 Upright <td>%</td> <td>Quick <td>Brass</td> <td>200°F N/A</td> </td>	%	Quick <td>Brass</td> <td>200°F N/A</td>	Brass	200°F N/A
				10	4.3 Correlated Pendant <td>%</td> <td>Fast <td>Brass</td> <td>200°F BLACK PLATE CONC.</td> </td>	%	Fast <td>Brass</td> <td>200°F BLACK PLATE CONC.</td>	Brass	200°F BLACK PLATE CONC.

REV. BY	DATE
MAS	9-29-25

REVISIONS

ARCHITECT'S COMMENTS

SIGNATURE

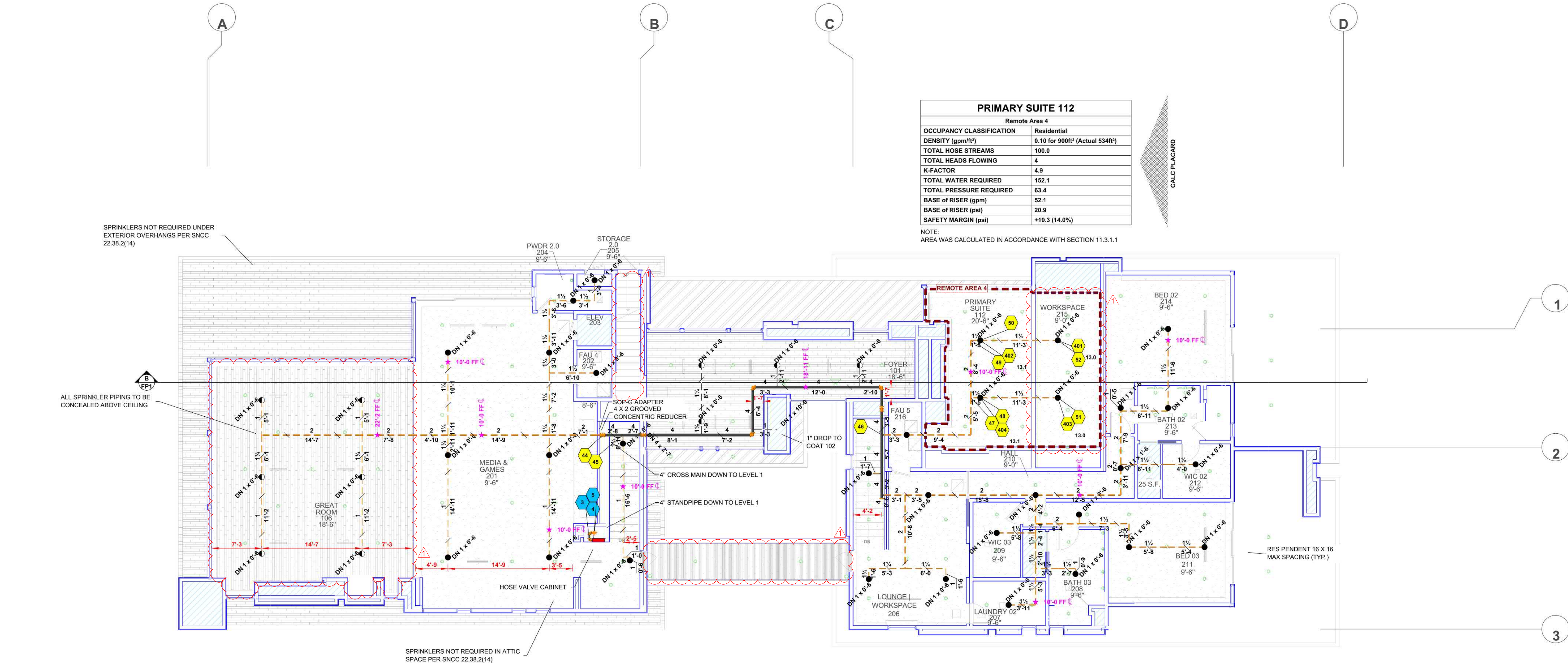
PROJECT NAME: **BLUE HERON HOME - CRAIG RESIDENCE**

TITLE:

FIRE SPRINKLER PLANS

PROJECT NO:	25-008
DRAWN:	M. SATTER
DATE:	8/21/2025
SCALE:	1/8" = 1'-0"

FP 3 OF 4



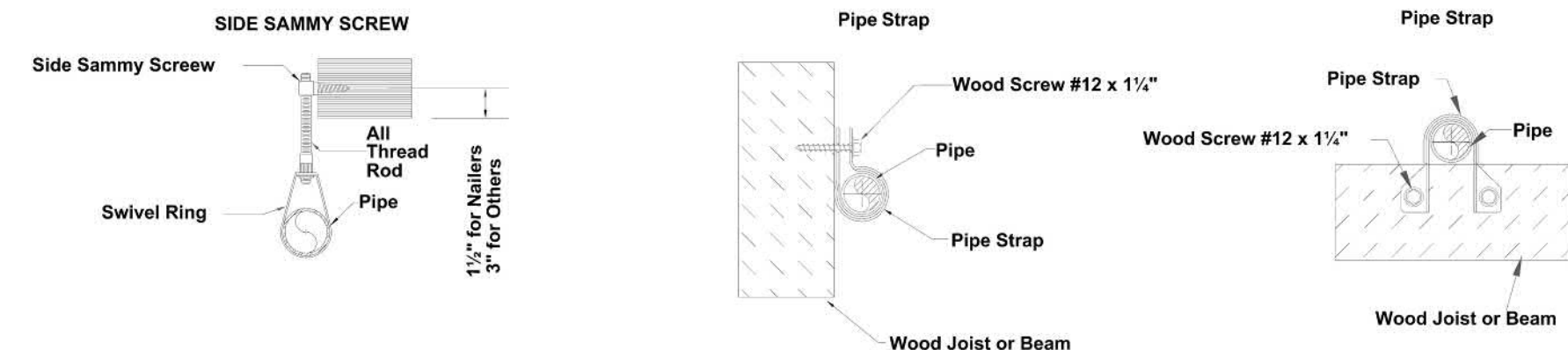
FIRE PROTECTION RCP PLAN - LEVEL 2
SCALE: 1/8" = 1'-0"



PRIMARY SUITE 112	
Remote Area 4	
OCCUPANCY CLASSIFICATION	Residential
DENSITY (gpm/ft ²)	0.10 for 900ft ² (Actual 534ft ²)
TOTAL HOSE STREAMS	100.0
TOTAL HEADS FLOWING	4
K-FACTOR	4.9
TOTAL WATER REQUIRED	152.1
TOTAL PRESSURE REQUIRED	63.4
BASE of RISER (gpm)	52.1
BASE of RISER (psi)	26.9
SAFETY MARGIN (psi)	+10.3 (14.0%)

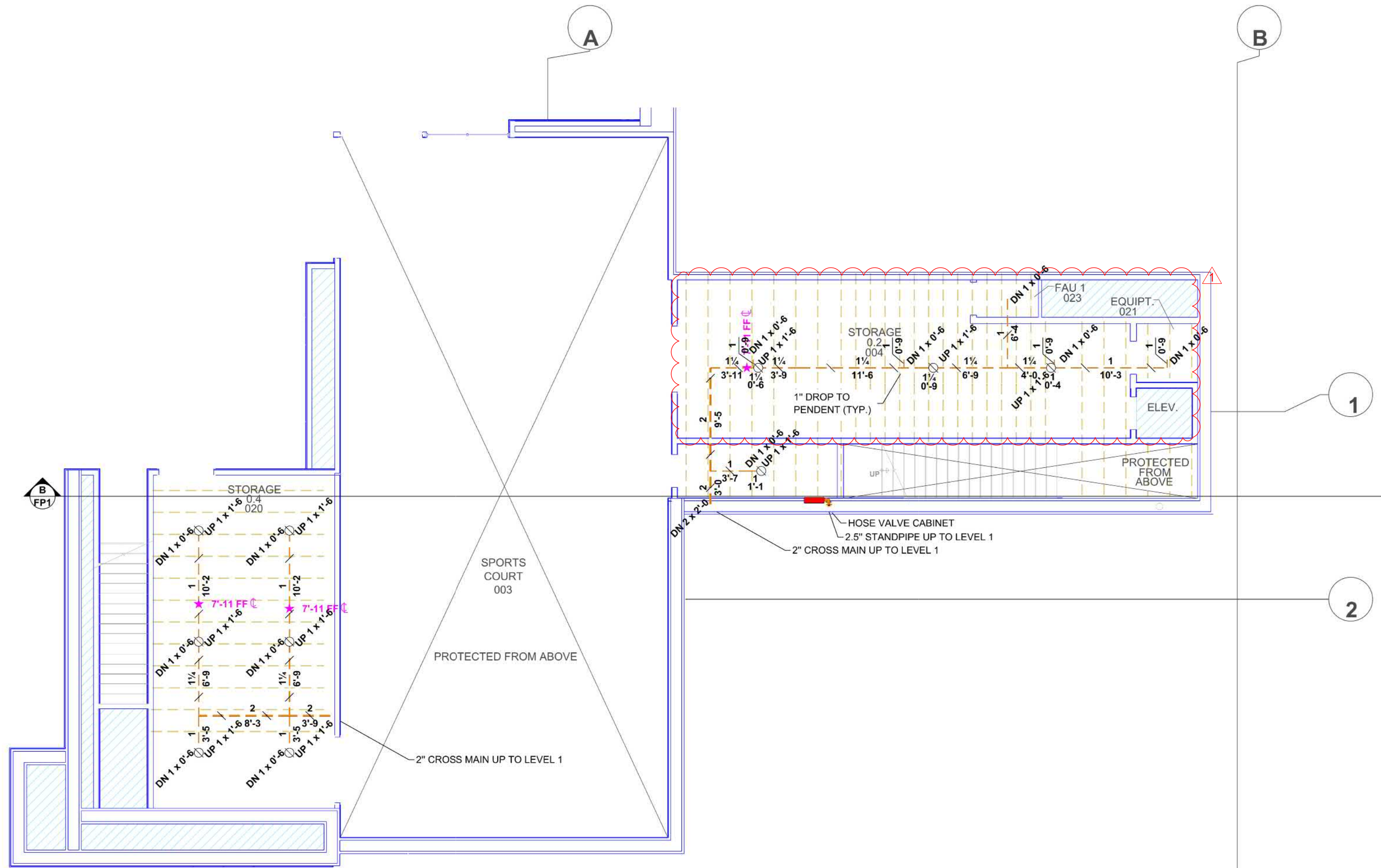
NOTE:
AREA WAS CALCULATED IN ACCORDANCE WITH SECTION 11.3.1.1

CALC PLACARD

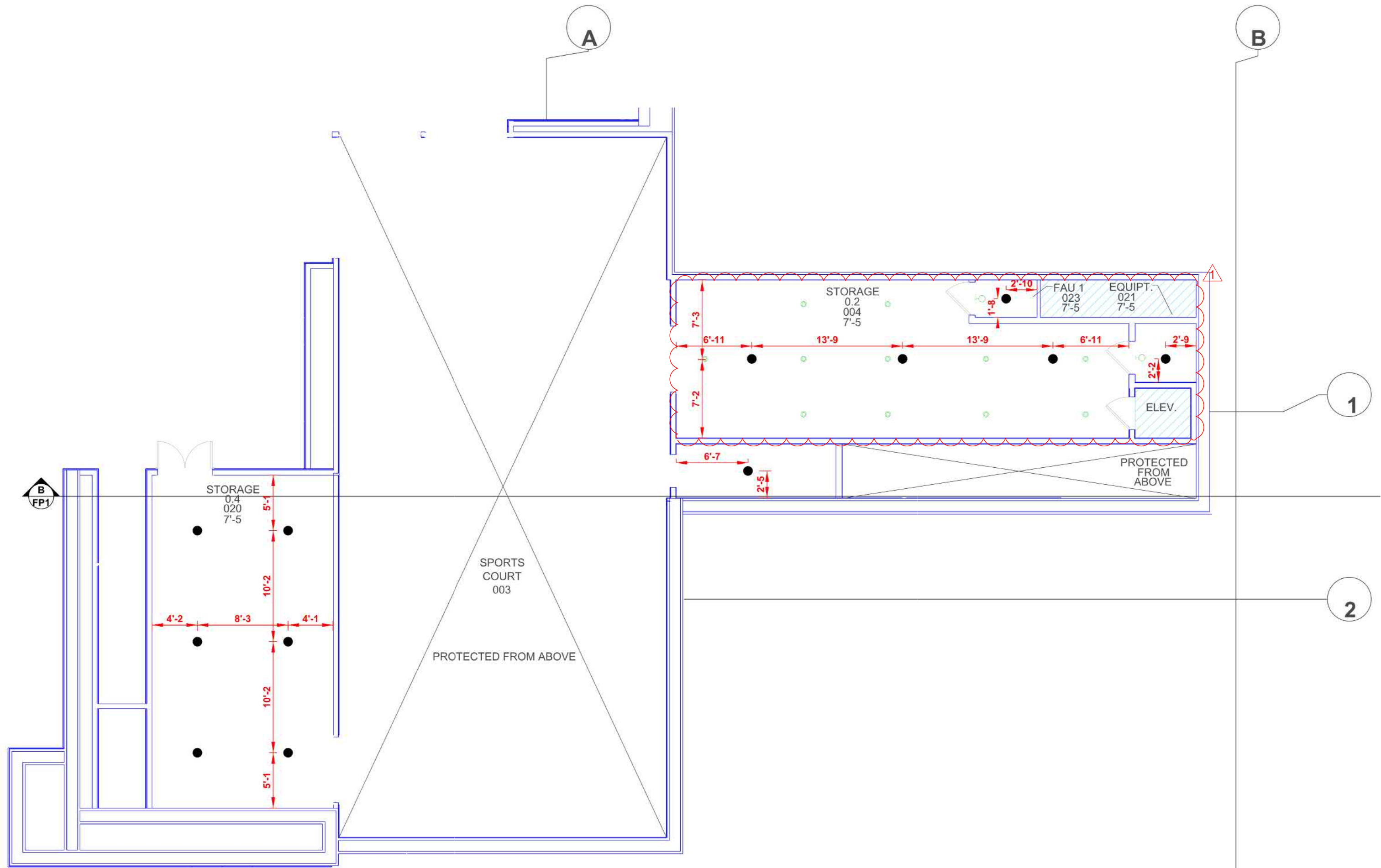


HANGER DETAILS

MAXIMUM DISTANCE BETWEEN HANGERS (FT.-IN.)										
	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"
STEEL PIPE EXCEPT THREADED LIGHTWALL	NA	12-0	12-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0
CPVC	5-6	6-0	6-6	7-0	8-0	9-0	10-0	NA	NA	NA



FIRE PROTECTION PIPING PLAN - SPORTS COURT/STORAGE
SCALE: 1/8" = 1'-0"



FIRE PROTECTION RCP PLAN - SPORTS COURT/STORAGE
SCALE: 1/8" = 1'-0"



AIR VENT NOTE:

AS STATED IN 8.16.6:
AT THE DISCRETION OF THE INSTALLER,
AUTOMATIC AIR VENTS ARE TO BE
INSTALLED BY ONE OF THE FOLLOWING
METHODS
(1) MANUAL VALVE, MIN 1/2"
(2) AUTOMATIC AIR VENT
(3) OTHER APPROVED MEANS

CRAIG RESIDENCE SPRINKLER LEGEND									
SYM	MFG	SIN	Model	Quantity	h"	Type	Size	Response	Finish
●	Viking	VW684	Freedom	156	4.5	Concealed Pendant	1/2"	Fast	White Plate Conc.
●	Viking	VW685	Freedom	111	5.5	Upright	1/2"	Quick	White Plate Conc.
●	Viking	VW684	Freedom	10	4.5	Concealed Pendant	1/2"	Fast	Black Plate Conc.
				Total = 277					

REV	BY	DATE	ARCHITECT'S COMMENTS
MAS	9-29-25		

SIGNATURE:

BLUE HERON HOME - CRAIG RESIDENCE
PROJECT ADDRESS:
1001 VILLA GRAND WAY
BOULDER CITY, NV 89005
APN: 181-34-303-001
GENERAL CONTRACTOR:
DAX CONTRACTING SUITE 501
LAS VEGAS, NV 89133

FIRE SPRINKLER PLANS
PROJECT NO: 25-008
DRAWN: M. SATTER
DATE: 8/21/2025
SCALE: 1/8" = 1'-0"
SHEET: **FP 4** OF 4

