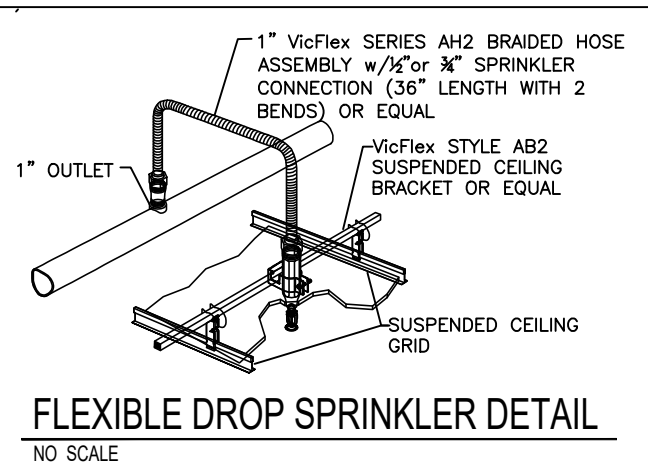


SPRINKLER ADDITION/RELOCATION DETAIL
NO SCALE

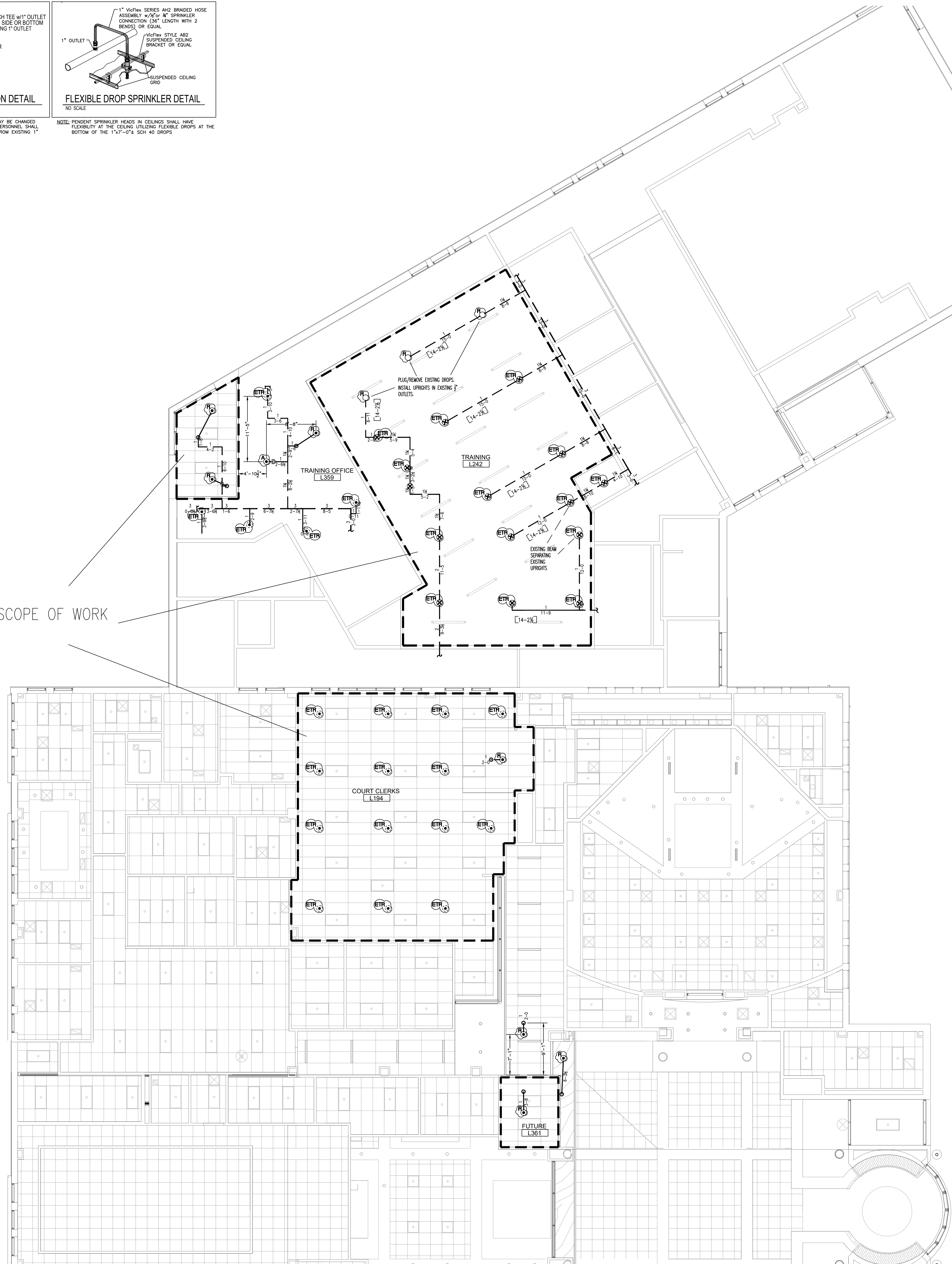
NOTE: SPRINKLER HEAD PIPING SUPPLIES, AS SHOWN, MAY BE CHANGED FOR EASE OF INSTALLATION. FIELD INSTALLATION PERSONNEL SHALL HAVE THE OPTION TO SUPPLY NEW SPRINKLERS FROM EXISTING 1" OUTLETS OR TIE-IN WITH NEW MECHANICAL TEE.



FLEXIBLE DROP SPRINKLER DETAIL
NO SCALE

NOTE: PENDENT SPRINKLER HEADS IN CEILINGS SHALL HAVE FLEXIBILITY AT THE CEILING UTILIZING FLEXIBLE DROPS AT THE BOTTOM OF THE 1-1/2" x 0-7/8" SCH 40 DROPS

SCOPE OF WORK



UPPER LEVEL
FIRE SPRINKLER PIPING PLAN

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

HANGER SPACING TABLE			
HANGER SPACING FOR PLASTIC PIPE		HANGER SPACING FOR COPPER TUBE	
PIPE SIZE	HANGER SPACING	PIPE SIZE	HANGER SPACING
1/2"	36"	1/2"	48"
3/4"	48"	3/4"	60"
1"	60"	1"	72"
1 1/4"	72"	1 1/4"	84"
1 1/2"	84"	1 1/2"	96"
2"	96"	2"	108"
2 1/2"	108"	2 1/2"	120"
3"	120"	3"	132"

HANGER SPACING FOR STEEL PIPE (SCH 40)	
PIPE SIZE	HANGER SPACING
1/2" - 1"	12'
1 1/4" - 1 1/2"	15'
2" & LARGER	15'

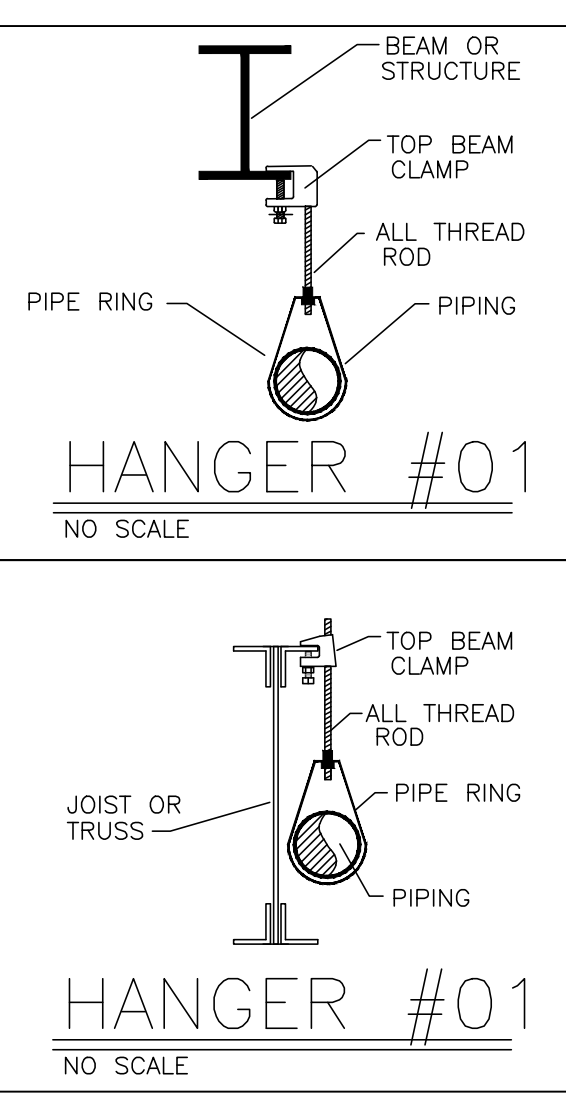
HANGER SPACING FOR STEEL PIPE (THINWALL)	
PIPE SIZE	HANGER SPACING
1/2" - 2"	12'
2" & LARGER	15'

- NOTES:
- 1) NO ELECTRICAL OR FIRE ALARM WORK IS INCLUDED.
 - 2) NO PAINTING OF PIPING IS INCLUDED.
 - 3) ALL 1" ARM OVER PIPING TO BE BLACK SCH 40 WITH THREADED ENDS AND DUCTILE OR CAST IRON SCREWED FITTINGS.
 - 4) CURRENT SCOPE INCLUDES PROVIDING PROPER COVERAGE FOR NEW CEILINGS AND WALL ASSEMBLIES. NEW VEHICLE BAY TO BE FED FROM EXISTING 4" DRY VALVE.
 - 5) ALL SPRINKLERS TO MAINTAIN A MAX SPACING OF 225-sqft (LIGHT HAZARD) OR 130-sqft (ORDINARY HAZARD) IN ACCORDANCE WITH NFPA-13 STANDARDS.
 - 6) ALL NEW SPRINKLER HEADS ARE QUICK-RESPONSE TYPE AND HAVE TEMPERATURE RATINGS THAT MATCH THE EXISTING SPRINKLERS.
 - 7) ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13 2016 AS WELL AS ALL LOCAL REQUIREMENTS.
 - 8) CENTURY SHALL PROVIDE A PERMANENTLY ATTACHED HYDRAULIC PLACARD ON THE EXISTING RISER.
 - 9) IT IS THE OWNERS RESPONSIBILITY TO MAINTAIN 40' MINIMUM TEMPERATURE IN THE ENTIRE BUILDING FOR THE WET PIPE SPRINKLER SYSTEM.
 - 10) SYSTEM MAINTENANCE AND INSPECTIONS TO BE PERFORMED BY THE THE OWNER PER NFPA 25.

- A - INDICATES NEW SPRINKLER TO BE INSTALLED VIA MECHANICAL TEE OR NEW LINE FITTING.
- R - INDICATES REMOVE EXISTING SPRINKLER HEAD AND USE EXISTING 1" OUTLET TO PIPE TO NEW SPRINKLER LOCATION
- ER - INDICATES EXISTING SPRINKLER TO REMAIN

— NEW LINE/MAIN

- - - EXISTING LINE/MAIN



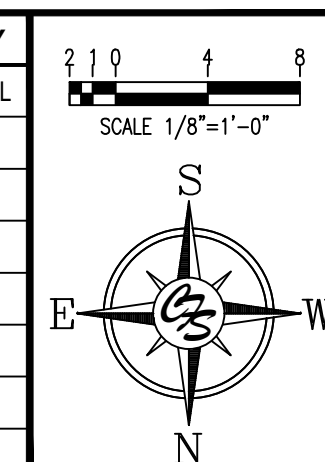
Sprinkler Head Schedule					
Symbol	Count	Thread	K-Factor	Description	Note
⊙	8	1/2"	5.6	VK4821 OR CONCEALED PENDENT w/WHITE COVER PLATE 200"	ON DROP
○	3	1/2"	5.6	VK3001 OR BRASS UPRIGHT 200"	
⊕	19	1/2"	5.6	EXISTING TO REMAIN CONCEALED PENDENT	ON DROP
⊗	15	1/2"	5.6	EXISTING TO REMAIN UPRIGHT	
45 = Total Number of Heads This Floor					

IBC Code: 2018 NFPA #13 Code: 2016

Use and Occupancy Classification: S-2



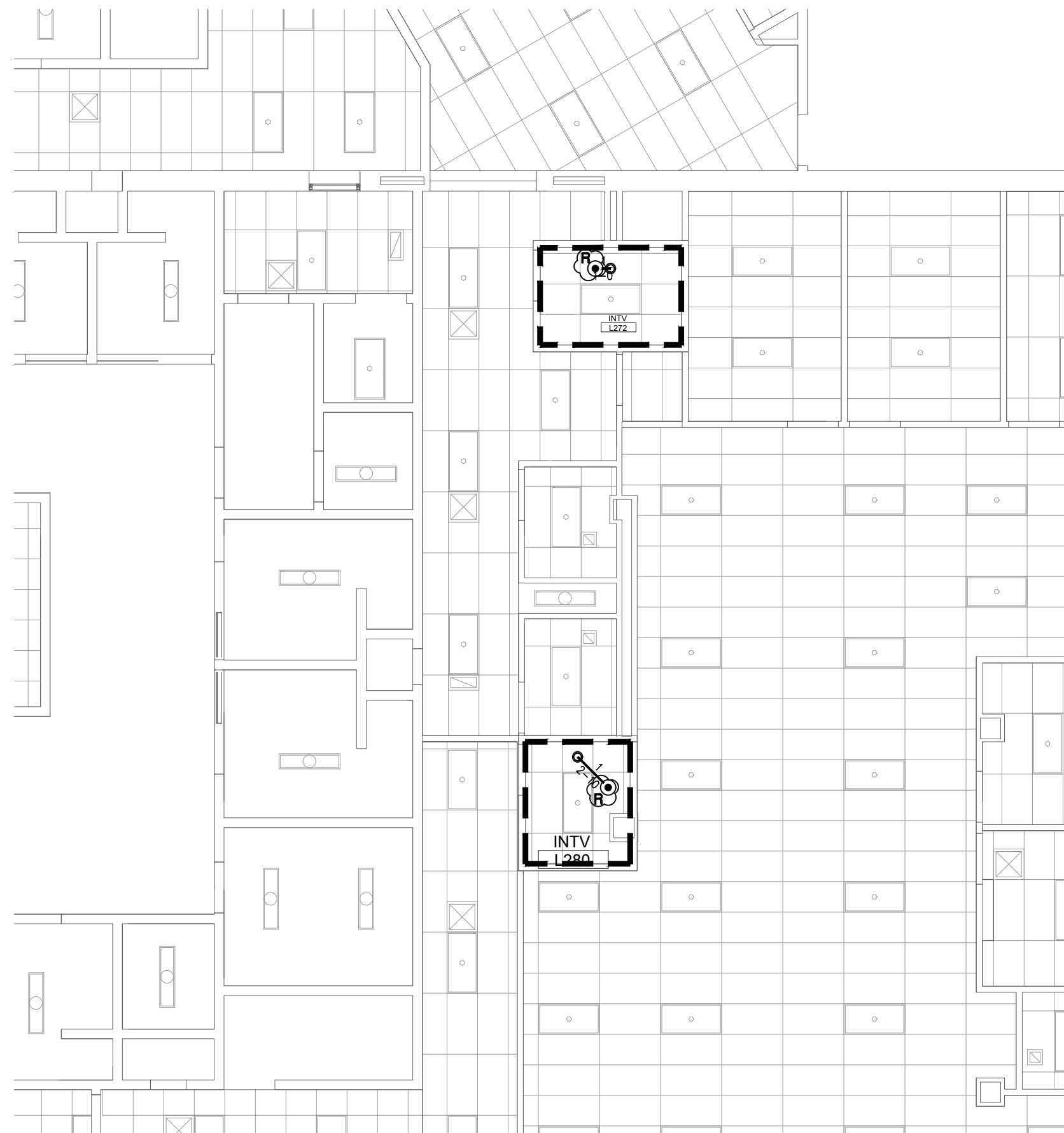
NUMBER	DATE	REVISION	BY
1	4-3-2025	ISSUE SUBMITTAL PLAN	TCL



Century
FIRE SPRINKLERS, INC.

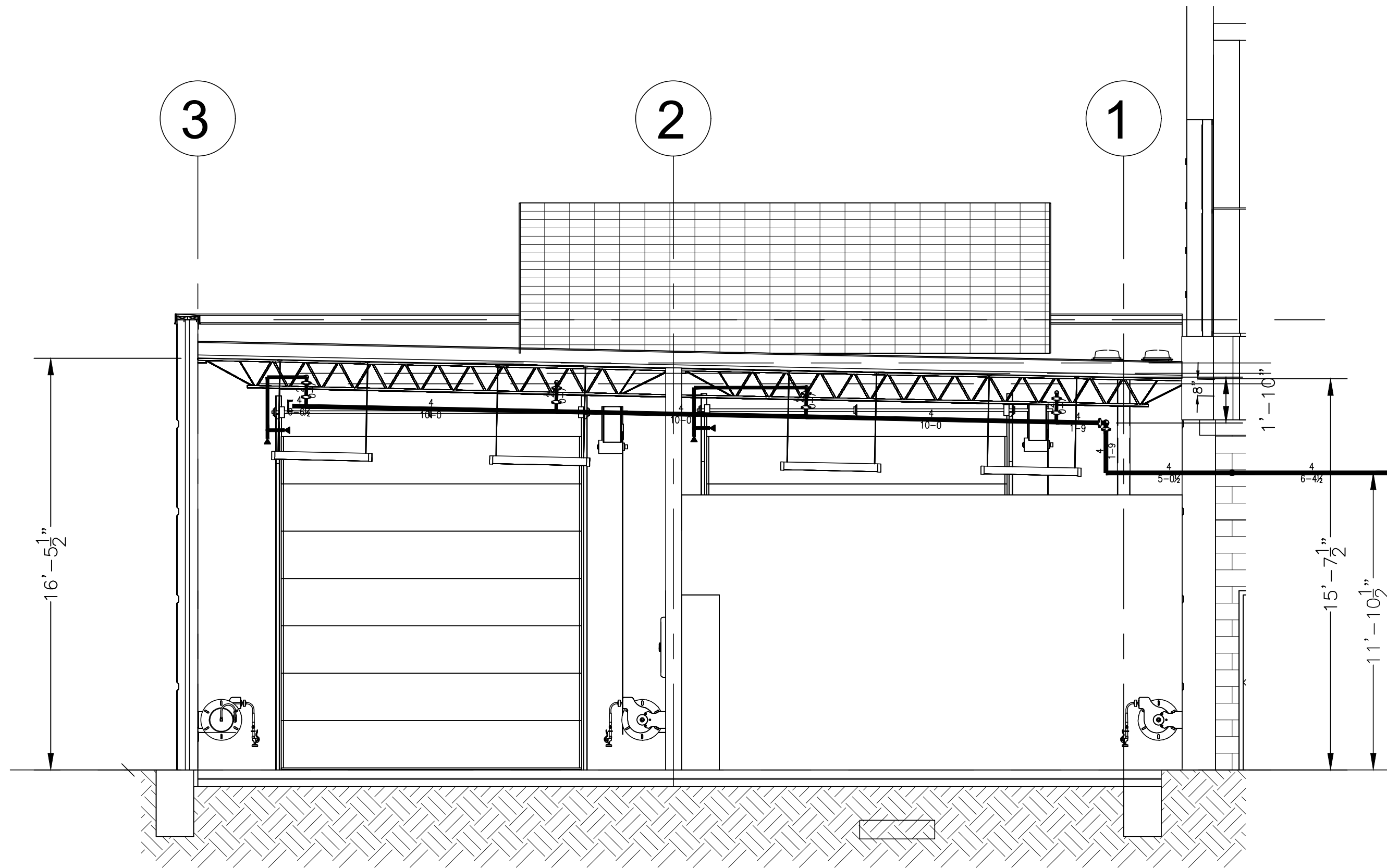
1901 Bedford Road - North Kansas City, MO. 64116 - (816) 556-0808
27 Cassens Court - Fenton, MO. 63026 - (314) 692-8011

LEE'S SUMMIT POLICE RENOVATION			
EXISTING BUILDING RENOVATIONS FIRE SPRINKLER PIPING PLAN 10 NE TUDOR RD LEE'S SUMMIT, MO 64086			
DRAWN BY: TCL	DATE: 4-3-2025	SHEET NO. 11	REV. 43
SCALE: AS SHOWN	CONTRACT NUMBER: KC-1508	SHEET NO. FP-1 of 2	REV.



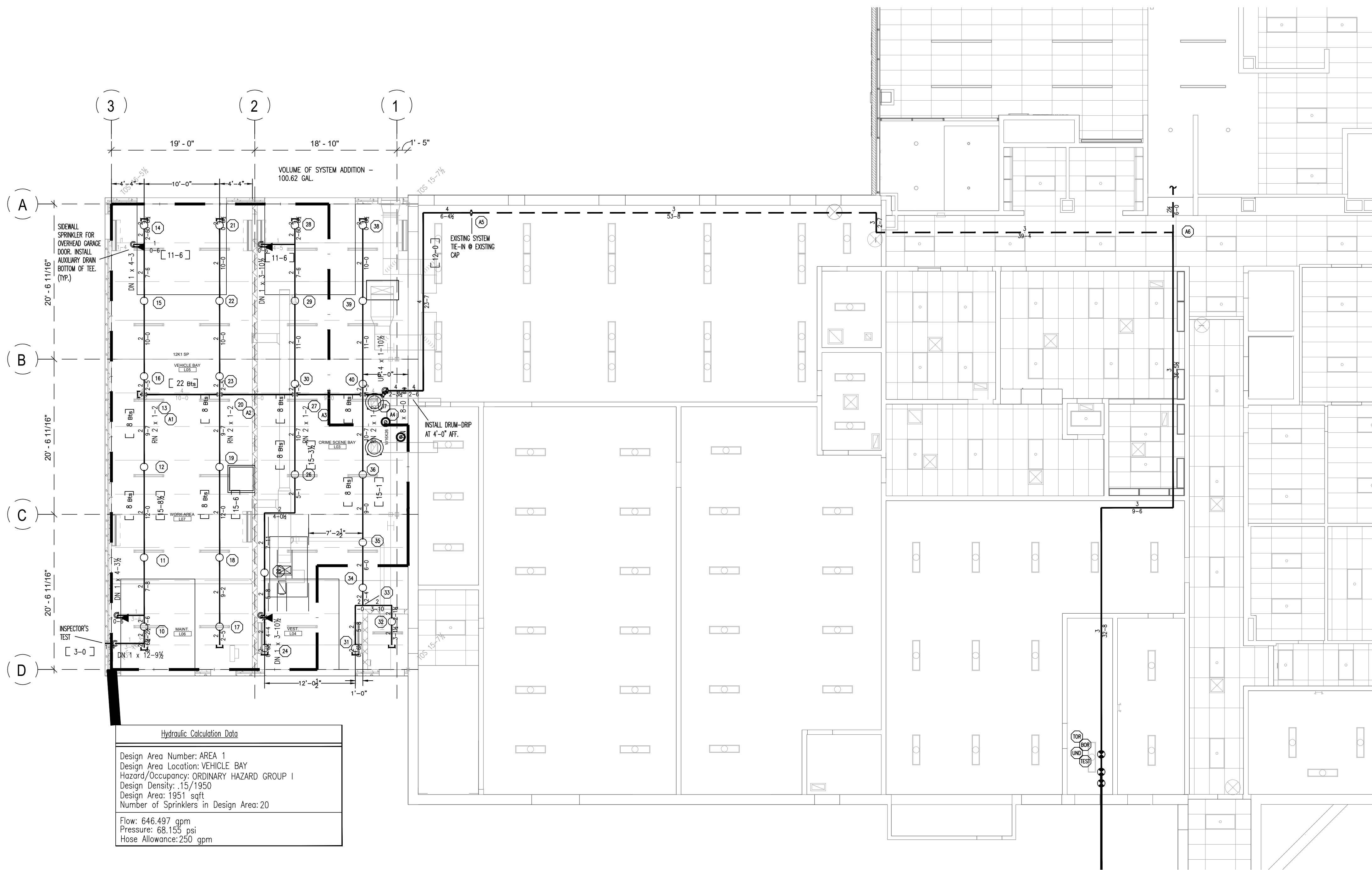
LOWER LEVEL
INTERVIEW ROOMS

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



LOWER LEVEL
ELEVATION VIEW - VEHICLE BAY

SCALE: 1/4" = 1'-0"

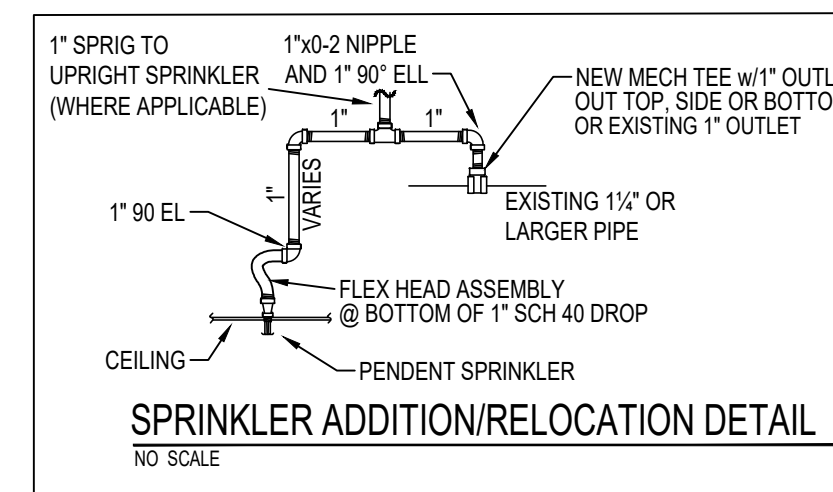


LOWER LEVEL
BUILDING ADDITION - VEHICLE BAY

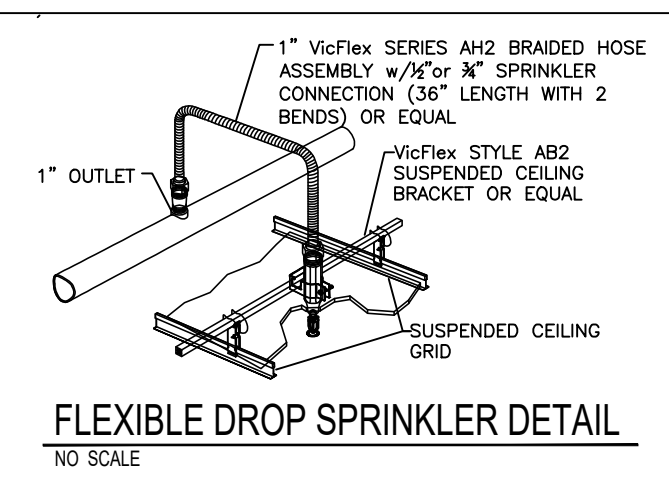
SCALE: 1/8" = 1'-0"

HANGER SPACING TABLE			
HANGER SPACING FOR PLASTIC PIPE		HANGER SPACING FOR COPPER TUBE	
PIPE SIZE	HANGER SPACING	PIPE SIZE	HANGER SPACING
1"	6"	1"	6"
1 1/4"	8"	1 1/4"	8"
1 1/2"	10"	1 1/2"	10"
2"	12"	2"	12"
2 1/2"	14"	2 1/2"	14"
3"	16"	3"	16"

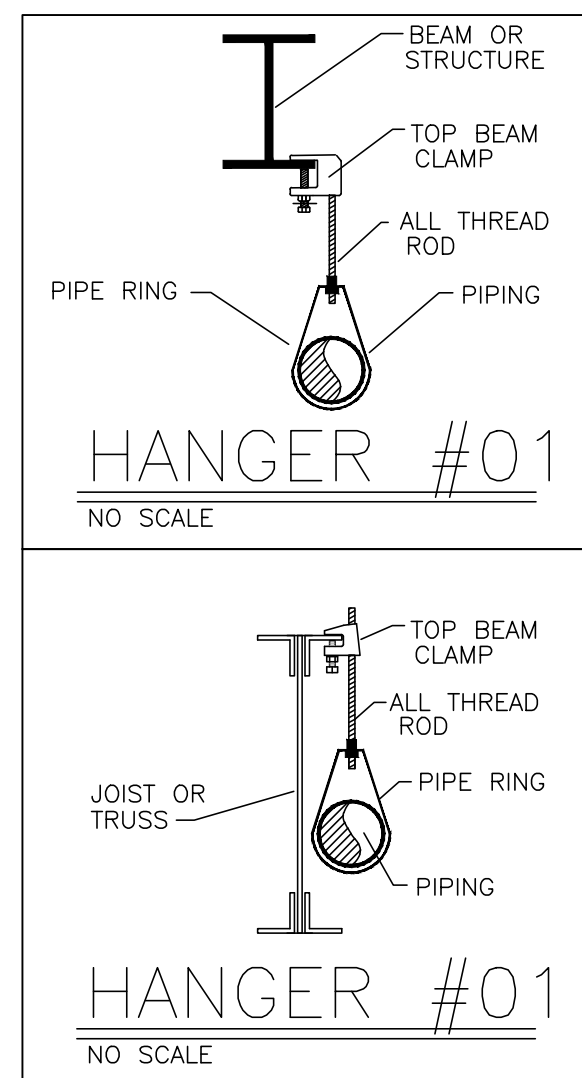
- A - INDICATES NEW SPRINKLER TO BE INSTALLED VIA MECHANICAL TEE OR NEW LINE FITTING.
 R - INDICATES REMOVE EXISTING SPRINKLER HEAD AND USE EXISTING 1" OUTLET TO PIPE TO NEW SPRINKLER LOCATION
 ER - INDICATES EXISTING SPRINKLER TO REMAIN



NOTE: SPRINKLER HEAD PIPING SUPPLIES, AS SHOWN, MAY BE CHANGED FOR EASE OF INSTALLATION. FIELD INSTALLATION PERSONNEL SHALL HAVE THE OPTION TO SUPPLY NEW SPRINKLERS FROM EXISTING 1" OUTLETS OR TE-IN WITH NEW MECHANICAL TEE.

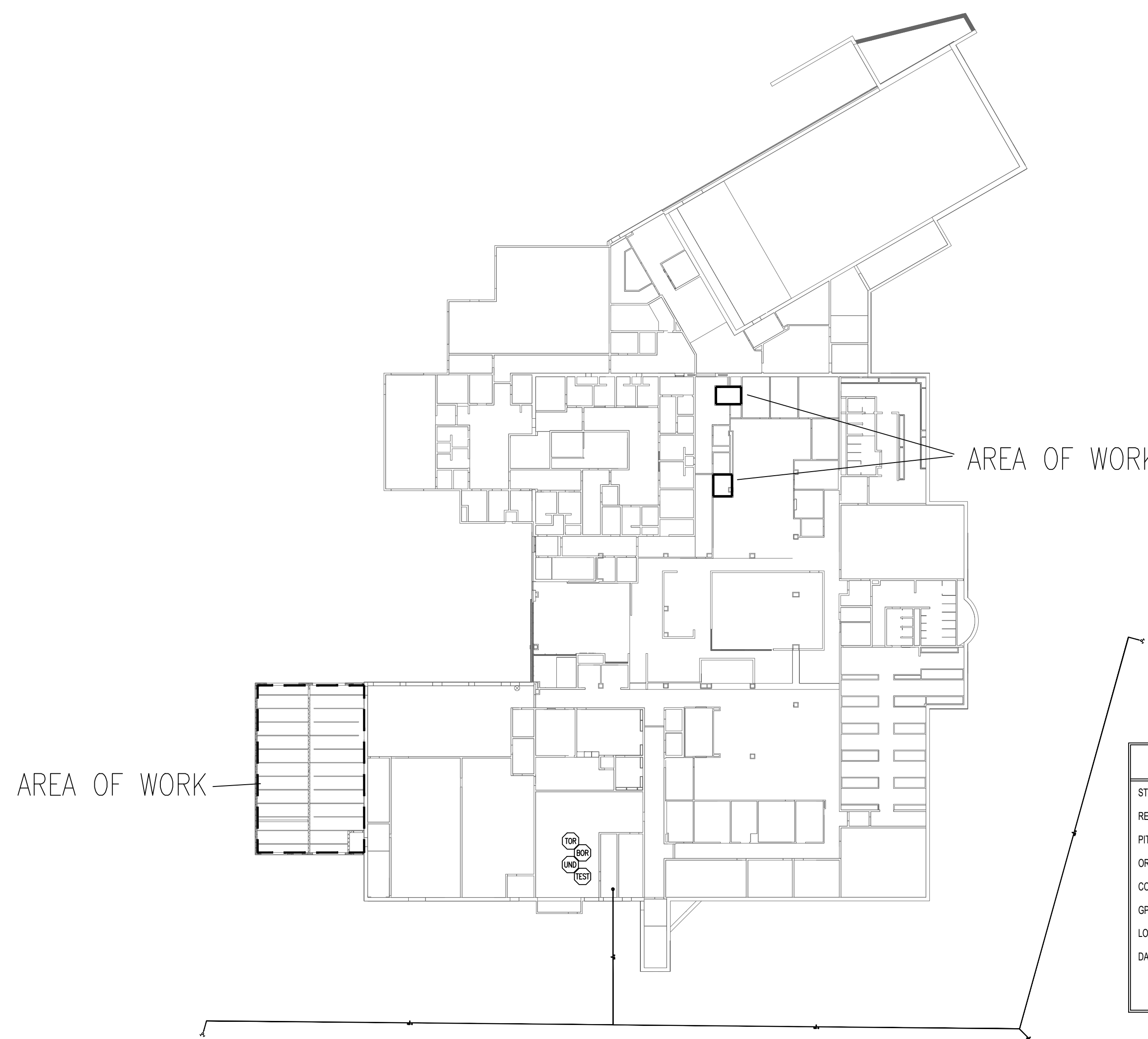


NOTE: PENDENT SPRINKLER HEADS IN CEILINGS SHALL HAVE FLEXIBILITY AT THE CEILING UTILIZING FLEXIBLE DROPS AT THE BOTTOM OF THE 1'-7" TO 0'-5" SCH 40 DROPS



NOTES:

- NO ELECTRICAL OR FIRE ALARM WORK IS INCLUDED.
- NO PAINTING OF PIPING IS INCLUDED.
- ALL 1" ARM OVER PIPING TO BE BLACK SCH 40 WITH THREADED ENDS AND DUCTILE OR CAST IRON SWEATED FITTINGS.
- CURRENT SCOPE INCLUDES PROVIDING PROPER COVERAGE FOR NEW CEILINGS AND WALL ASSEMBLIES. NEW VEHICLE BAY TO BE FED FROM EXISTING 4" DRY VALVE.
- ALL SPRINKLERS TO MAINTAIN A MAX SPACING OF 225-sqft (LIGHT HAZARD) OR 130-sqft (ORDINARY HAZARD) IN ACCORDANCE WITH NFPA-13 STANDARDS.
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- ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13 2016 AS WELL AS ALL LOCAL REQUIREMENTS.
- CENTURY SHALL PROVIDE A PERMANENTLY ATTACHED HYDRAULIC PLACARD ON THE EXISTING RISER.
- IT IS THE OWNERS RESPONSIBILITY TO MAINTAIN 40° MINIMUM TEMPERATURE IN THE ENTIRE BUILDING FOR THE WET PIPE SPRINKLER SYSTEM.
- SYSTEM MAINTENANCE AND INSPECTIONS TO BE PERFORMED BY THE THE OWNER PER NFPA 25.



LOWER LEVEL
SITE PLAN

SCALE: N.T.S.

Sprinkler Head Schedule				
Symbol	Count	Thread	K-Factor	Description
⊙	2	1/2"	5.6	VK4621 OR CONCEALED PENDENT w/WHITE COVER 200"
○	26	1/2"	5.6	VK3001 OR BRASS UPRIGHT 200"
◀	4	1/2"	5.6	VK503 OR BRASS SIDEWALL 286"

32 = Total Number of Heads This Floor



IBC Code: 2018 NFPA #13 Code: 2016

Use and Occupancy Classification: S-2

FLOW TEST SUMMARY	
STATIC PSI	150
RESIDUAL PSI	148
PITOT PSI	
ORIFICE DIAMETER	2 1/2"
COEFFICIENT OF DISCHARGE	0.90
GPM	1582
LOCATION	JOB SITE
DATE	6-12-18 TESTED BY Century Fire



LEE'S SUMMIT POLICE RENOVATION

EXISTING BUILDING RENOVATIONS
FIRE SPRINKLER PIPING PLAN
10 NE TUDOR RD
LEE'S SUMMIT, MO 64086

DRAWN BY: TCL	DATE: 4-3-2025	SHEET NUMBER: 32	SHEET TOTAL: 43
SCALE: AS SHOWN	CONTRACT NUMBER: KC1-1508	PROJECT NO: FP-2 of 2	REV: