



10641 Highway 36
Covington, GA
30014

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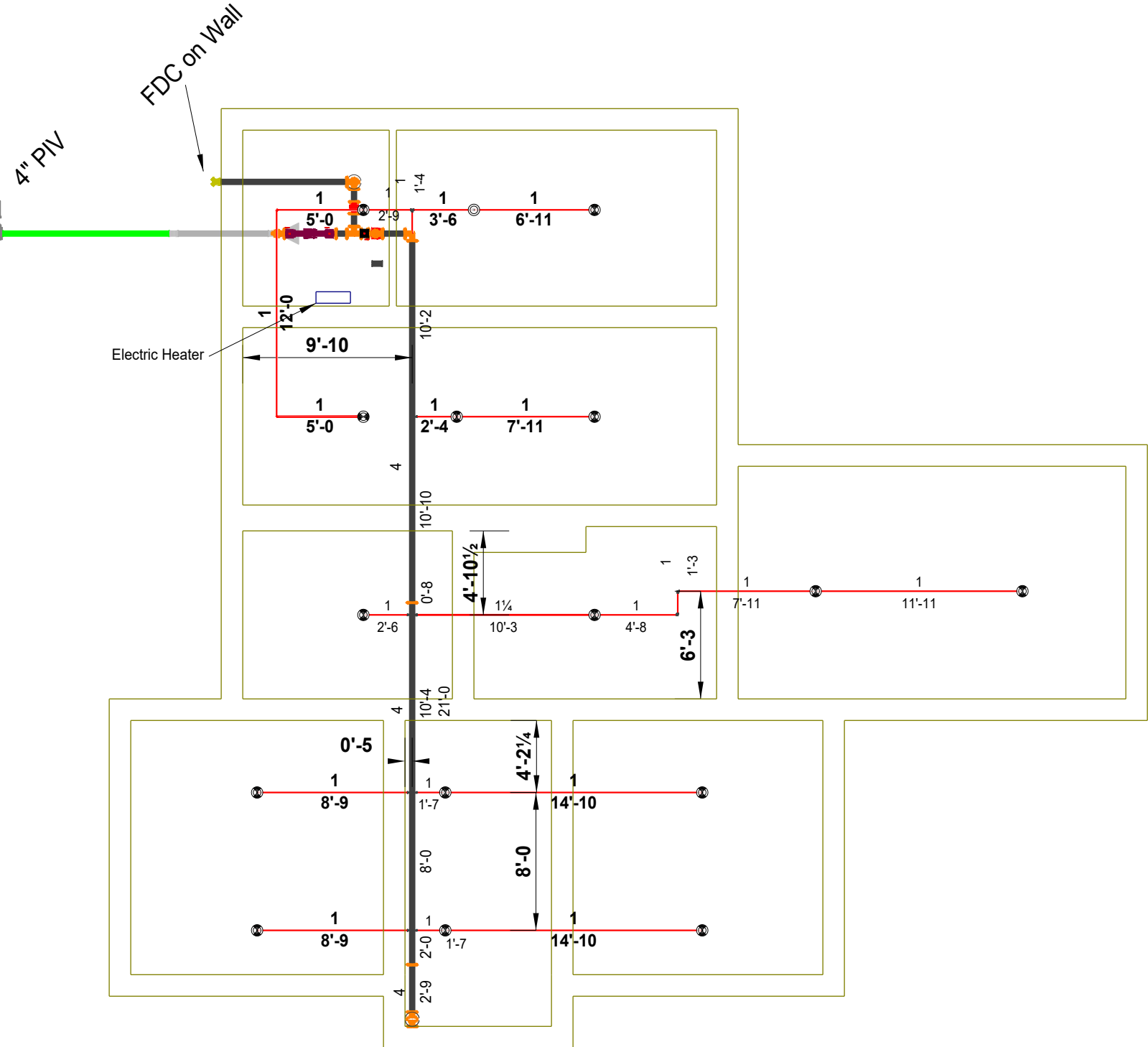
HISTORIC JAIL RENOVATIONS

FireAway
636 Moore Street
Oxford, GA 30054
ph: 770-918-0527
Paul Green, Jr.
paul@atlantafiresprinklers.com

21-1313 Sprinkler As-built

FLOW TEST BY CITY
Date = 24/10/2024
Hyd 102
Static = 96 psi
Flow = 978 gpm
Pilot = 34 psi
Residual = 48 psi

8" x 4" Tap



NO NEW WORK IN THE CRAWL SPACE



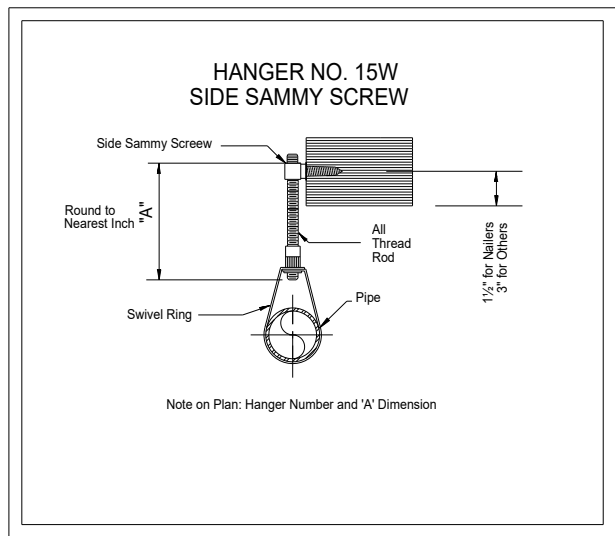
LEVEL 2

Hydraulic Information	
OCCUPANCY CLASSIFICATION	Light Hazard
DENSITY (gpm/ft ²)	0.100 for 1500.00ft ² (Actual 1562.29ft ²)
TOTAL HOSE STREAMS	100.00
DRY CAPACITY	0.00gal
TOTAL HEADS FLOWING	25
K-FACTOR	5.6
TOTAL WATER REQUIRED	549.96
TOTAL PRESSURE REQUIRED	55.090
BASE OF RISER (gpm)	549.96
BASE OF RISER (psi)	55.090
SAFETY MARGIN (psi)	+24.363 (30.7%)

Light Hazard=0.100gpm/ft² for 1562.29ft²

GENERAL NOTES:

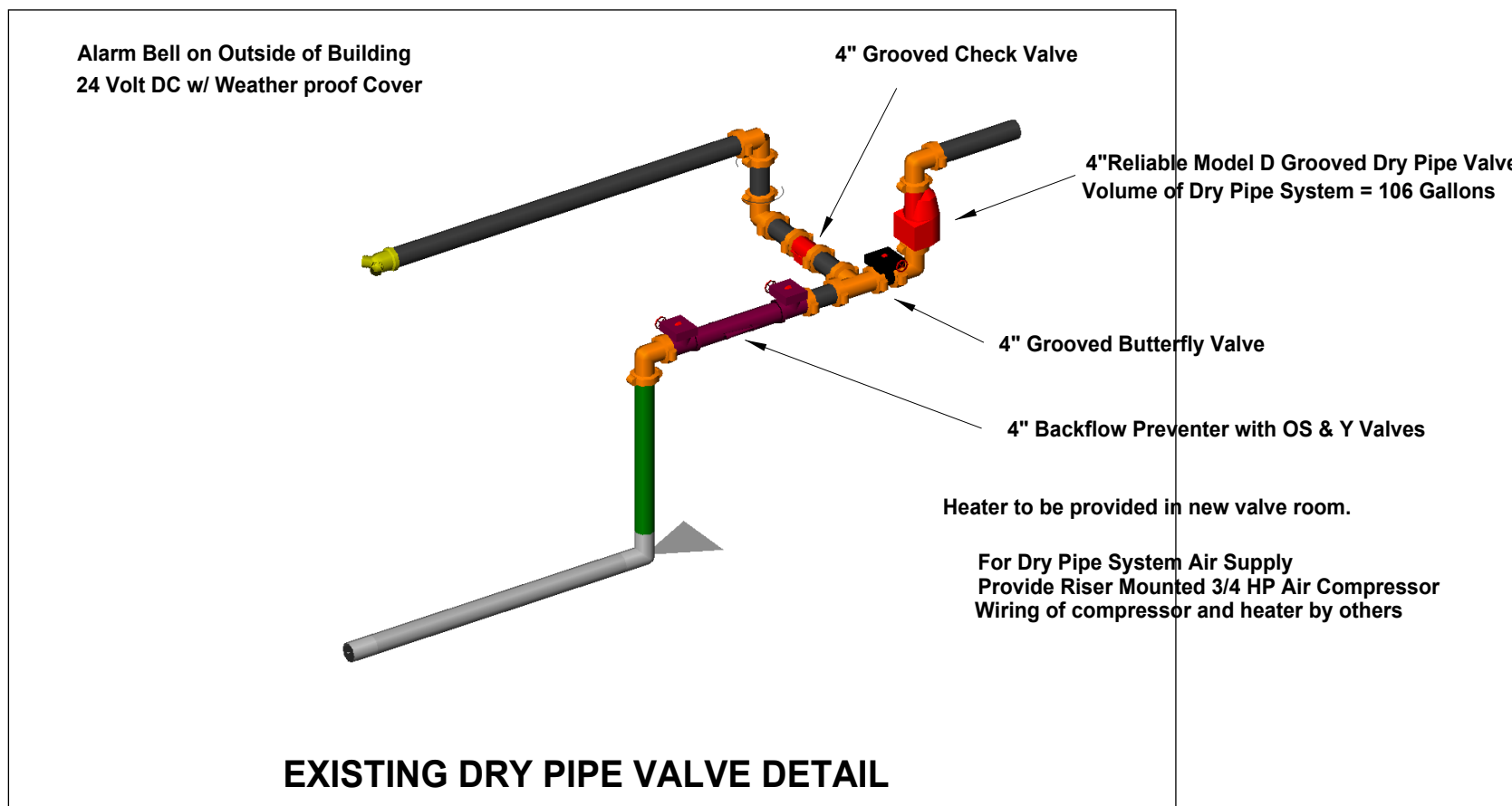
- 1.Hydraulic information to be provided on sprinkler riser.
2. All inspector's test connections and low point drains to be provided per code.
3. All hangers to be side sammy with ATR and ring.
4. Dry system piping to be: Threaded branchlines, arm overs, and drops to be sch 40 with threaded fittings.
5. Dry system Main piping to be schedule 10 with welded outlets and grooved fittings and couplings.
7. System design to be per NFPA 13.
8. Others to provide painting, wiring, fire extinguishers, or system monitoring.
9. = Hydraulic reference point
10. All system components to be UL listed and FM approved for use in fire sprinkler systems.
11. System to be hydrostatically tested @ 200psi for 2 hours - per N.F.P.A. #13.
12. Provide spare head cabinet with a minimum of 6 of each type of sprinkler head used.



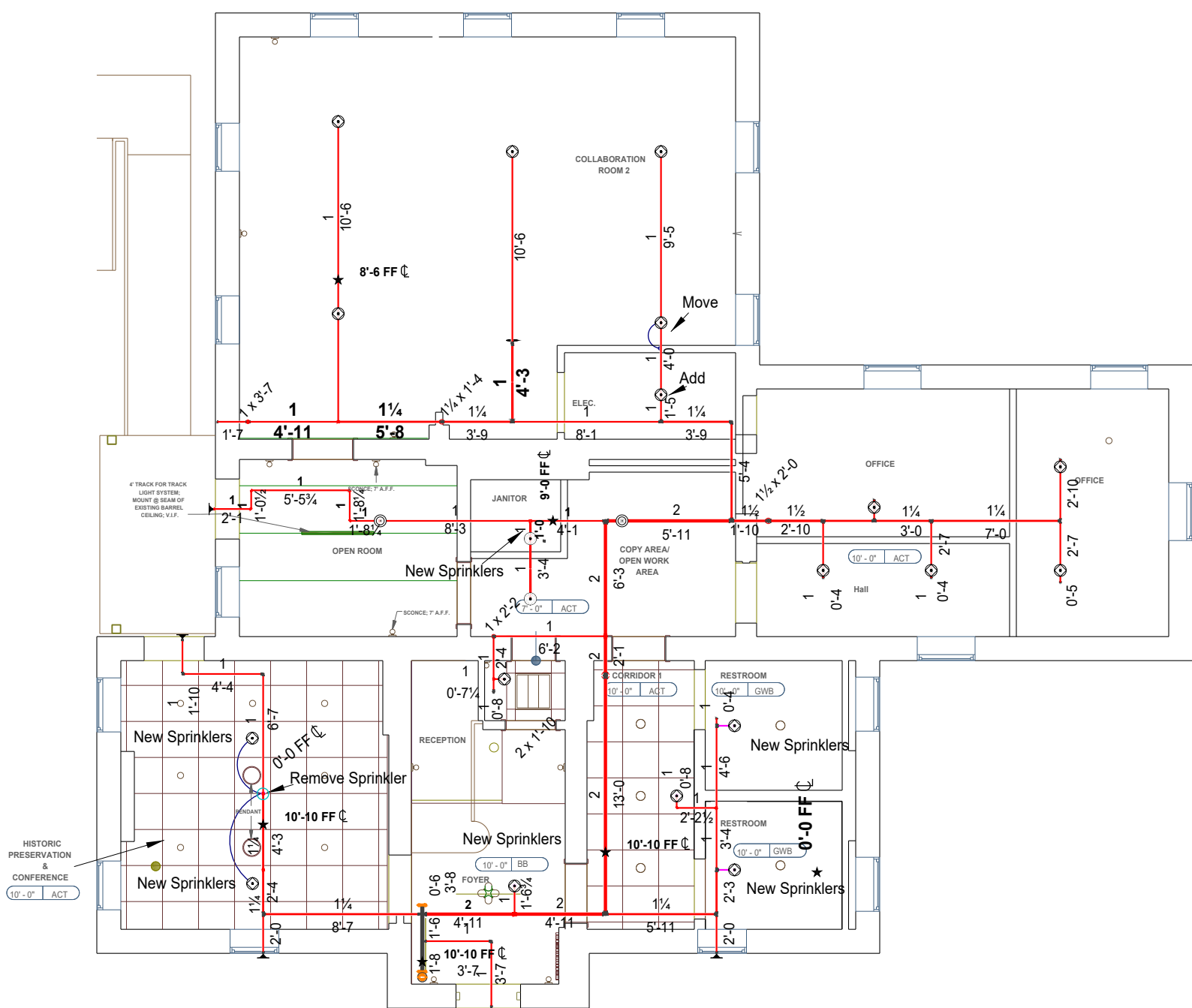
HANGER NOTES

PIPE HANGERS SHALL BE INSTALLED AS REQUIRED BY NFPA #13 FOR SUPPORTING SPRINKLER PIPING. NO OTHER PIPING OR DEVICES ARE TO BE ATTACHED TO THE SPRINKLER PIPE HANGER SYSTEM, SPECIFICALLY DESIGNED FOR THE ADDITIONAL LOADING.

THIS CONTRACT DOES NOT INCLUDE ANY MATERIAL OR DEVICE TO IMPROVE THE STRUCTURAL STRENGTH OF THE BUILDING TO ENABLE IT TO CARRY THE LOAD OF THE FIRE PROTECTION SYSTEM.



Sprinkler Legend												
Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Orifice	Finish	Temperature	Note
	Reliable	RA1425	F1FR56	15	5.6	Upright	1/2	Quick	0"	Brass	175°F	Basement - No Change
	Reliable	RS314	F3-S6 DRY	21	5.6	Pendent	1	Standard	0"	Chrome	175°F	
	Reliable	RA1425	F1FR56	34	5.6	Upright	1/2	Quick	0"	Brass	175°F	
	Generic			5	5.6	Horizontal Sidewall	1/2	Standard	1/2"	Brass	165°F	Existing Dry Sidewall
				Total = 75								



LEVEL 1

AS- BUILT



Newton Co. Historic Jail Renovation
1177 Stalling St.
Covington, GA

FIRE SPRINKLER PLAN, NOTES, & DETAILS

FIRE AWAY, LLC.

636 Moore St., Oxford, Georgia 30054

770-918-0527 - Designer Email - paul@firetronicsllc.com

Paul Brian Green

REVISIONS:
1
2
3

DRAWN BY: Paul Green
NICET IV - Water-Based
Systems Layout
DATE: 10-25-2025
SHEET NO: FP-1