



10641 Highway 36
Covington, GA
30014

www.sunbeltbuilders.com

t 770.786.3031
f 770.786.3046

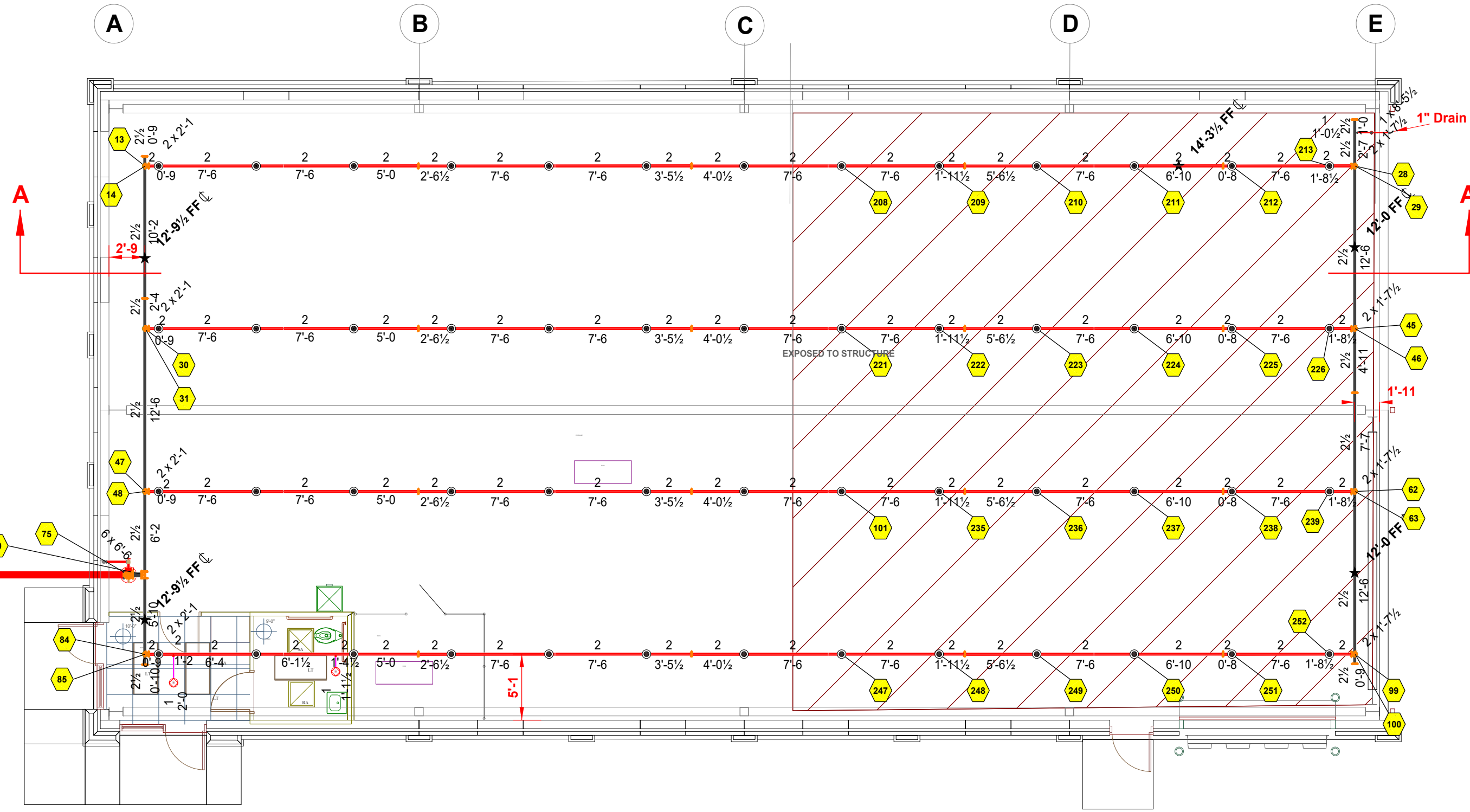
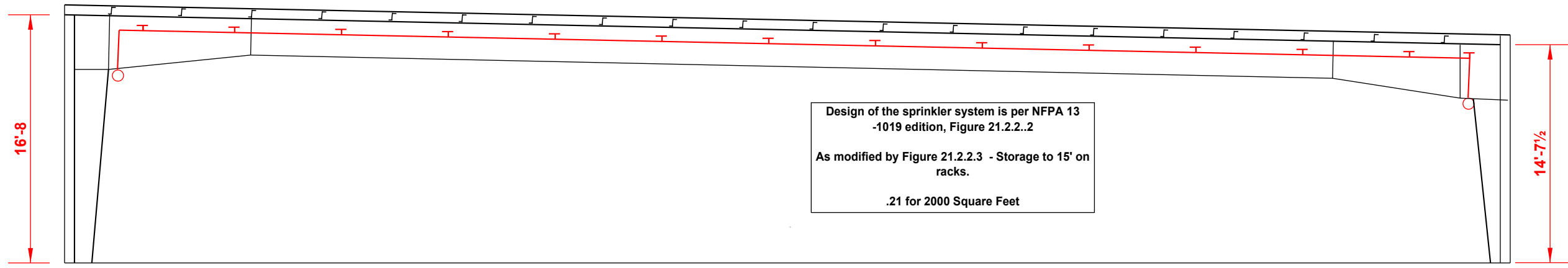
NEWTON COUNTY CENTRALIZED STORAGE FACILITY

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

21-1313 Sprinkler System As-Built

GENERAL NOTES:

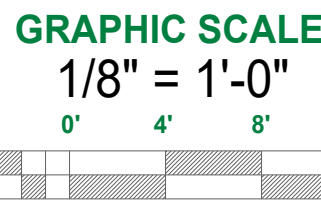
1. System is designed in accordance with NFPA 13 2019 ed.
Hydraulic information to be provided on sprinkler riser.
2. New 2" thru 6"" piping to be black Schedule 10 with grooved fittings and welded outlets and threaded 1" to 2" threaded piping to be schedule 40 black pipe with threaded fittings.
3. All inspector's test connections and low point drains to be provided per NFPA 13.
4. Maximum spacing per sprinkler is 225 SF in Light Hazard Areas and 100 SF in Roof Level.
5. The system to be hydrostatically tested to 200 psi for 2 hrs - per NFPA 13.
6. Provide spare 12 head cabinet with minimum of 4 of each type sprinkler used.



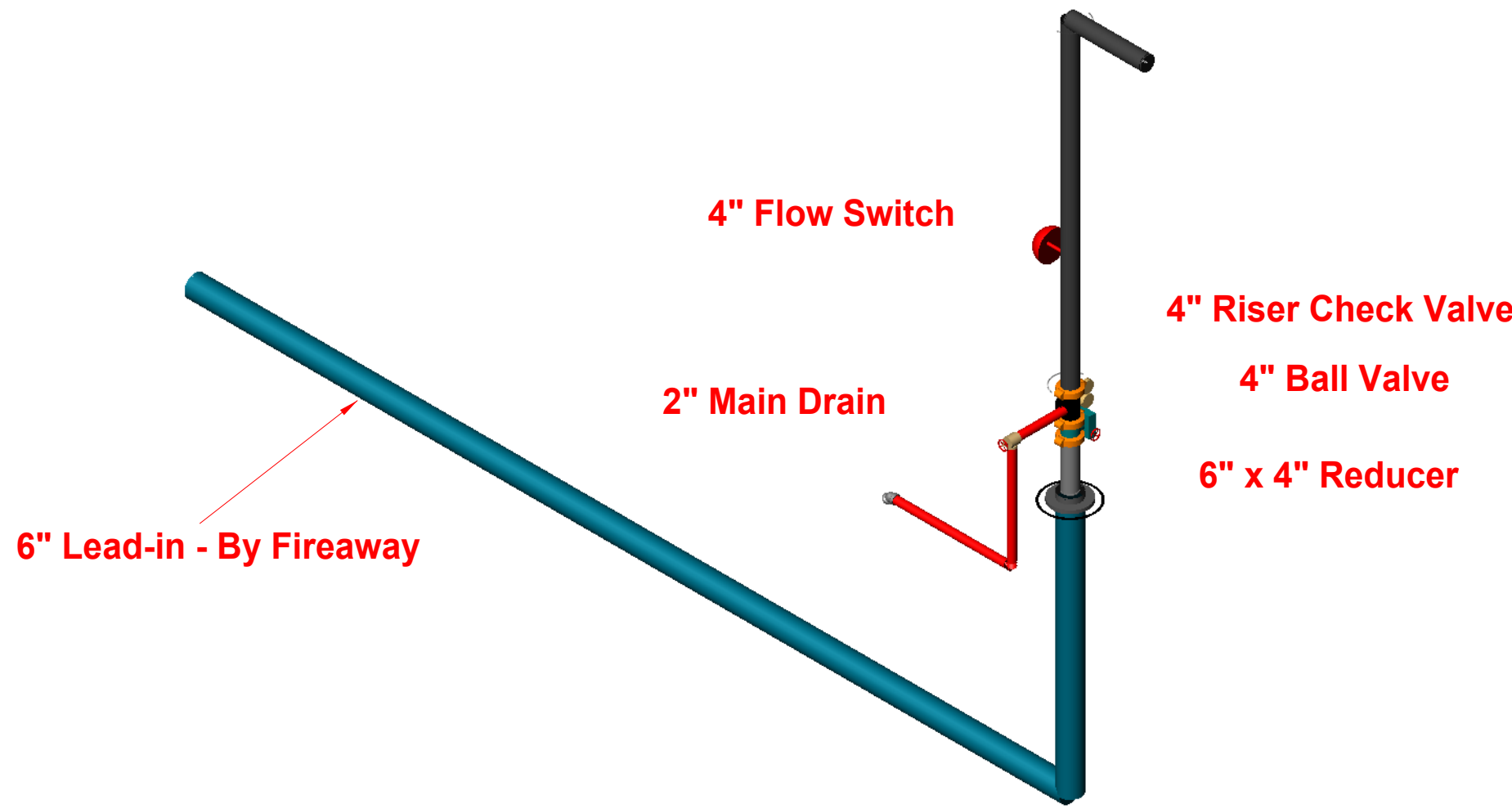
Hydraulic Information	
Remote Area 1	
OCCUPANCY CLASSIFICATION	Rack Storage to 15'
DENSITY (gpm/ft ²)	0.21 for 2000ft ² (Actual 2041ft ²)
TOTAL NOSE STREAMS	250.00
DRY CAPACITY	0.00gal
TOTAL HEADS FLOWING	24
K-FACTOR	8
TOTAL WATER REQUIRED	776.22
TOTAL PRESSURE REQUIRED	43.993
BASE of RISER (gpm)	776.22
BASE of RISER (psi)	43.993
SAFETY MARGIN (psi)	+20.704 (32.0%)

Rack Storage to 15'-0.21gpm/ft² for 2041ft²

FIRE SPRINKLER SYSTEM



Sprinkler Legend										
Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish	Temperature
●	Victaulic	V3401	FL-SR	52	8	Upright	1/2"	Standard	Brass	286°F
○	Victaulic	V2708	FL-QR	2	5.6	Pendent	1/2"	Quick	Chrome	175°F
				Total = 54						



FIRE AWAY, LLC.

636 Moore St., Oxford, Georgia 30054
770-918-0527 - Designer Email - paul@firetronicsllc.com

REVISIONS:
1
2
3

Newton County Admen Storage Building 1154 Stalling St. Covington, GA 30014	
FIRE SPRINKLER PLAN, NOTES, & DETAILS	
JOB NAME	SHEET NAME
DRAWN BY: Paul Green NICET IV - Water-Based Systems Layout	DATE: 11/22/24
SHEET NO: 1	

Paul Brian Green