



BUC-EE'S

A DEVELOPMENT OF

Buc-ee's Benton, LLC
Saline County, AR

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BUC-EE'S TRAVEL CENTER
BENTON, ARKANSAS
74K - L - 2024 - Q2
INTERSTATE 30 & STATE HIGHWAY 229
BENTON, ARKANSAS 72019

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AR CORPORATE NO. 484
EXPIRES 12/31/2025

ISSUE/REVISION LOG:

No.	DESCRIPTION	DATE
3	Revision 3 - Owner Changes	04/23/2025



ISSUED FOR REVIEW:	05/14/2024
ISSUED FOR BID:	05/14/2024
ISSUED FOR PERMIT:	05/14/2024

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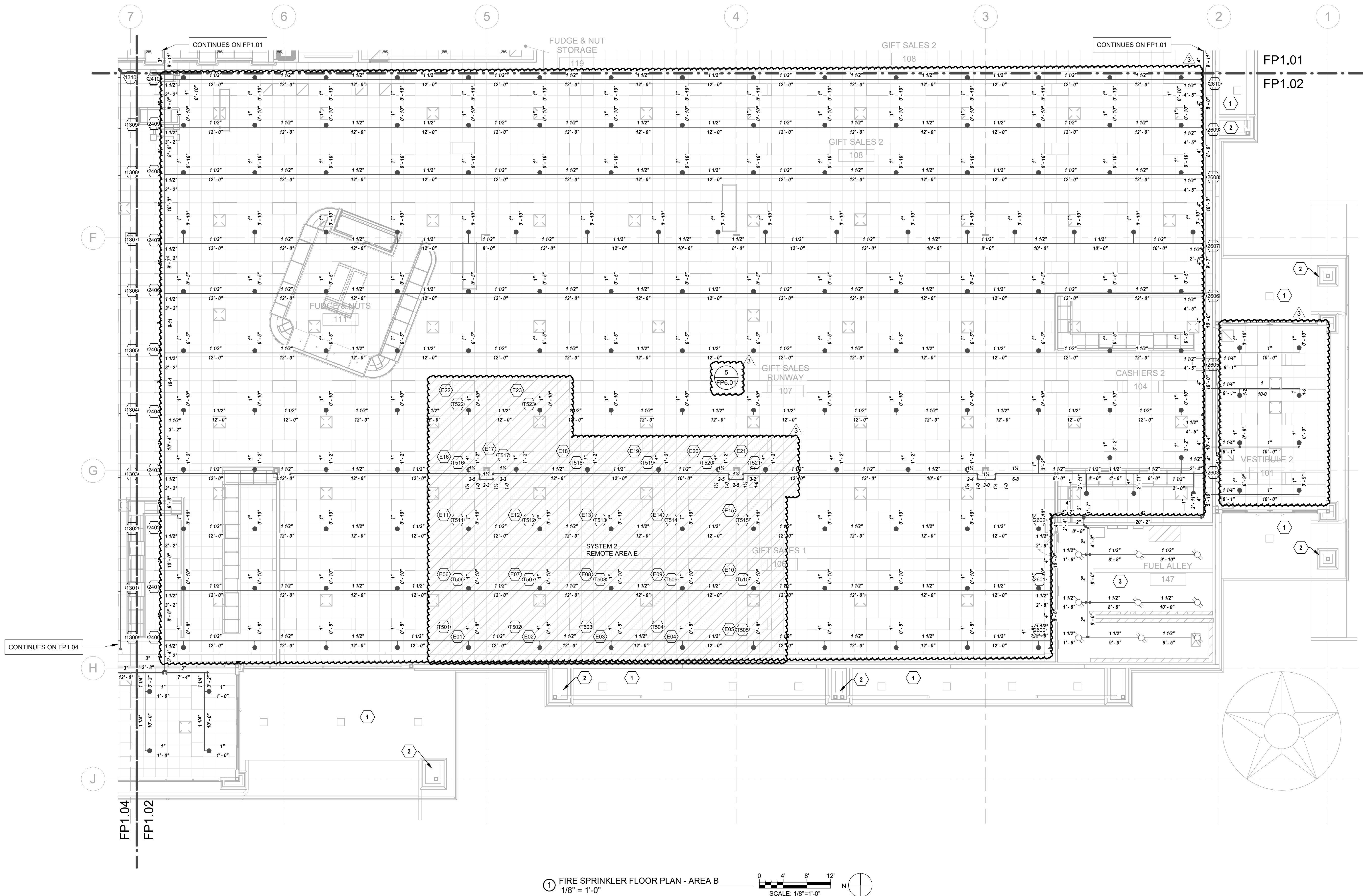
FP1.02

FIRE SPRINKLER FLOOR
PLAN - AREA B

LSL PROJECT NUMBER: 2024-107.000

BENTON, ARKANSAS

FIRE SPRINKLER	
Key Value	Keynote Text
1	SPRINKLER PROTECTION NOT REQUIRED FOR NONCOMBUSTIBLE CANOPY PER NFPA 13. NO STORAGE PERMITTED UNDER CANOPY.
2	NONCOMBUSTIBLE CONCEALED SPACE. SPRINKLER PROTECTION NOT REQUIRED PER NFPA 13.
3	DO NOT ROUTE SPRINKLER PIPING ABOVE ELECTRICAL PANELS AND DISTRIBUTION EQUIPMENT.



HYDRAULIC DESIGN	
SYSTEM # 2	SALES FLOOR
REMOTE AREA # E	
SPRINKLERS CALCULATED	23 SPRINKLERS
SPRINKLER DENSITY REQ'D	0.20 GPM/SQ FT
AREA OF DISCHARGE	2530 SQ FT
HOSE ALLOWANCE	250 GPM
SYSTEM FLOW DEMAND AT SRC	924 GPM
SYSTEM PRESSURE DEMAND AT SRC	83.8 PSI
SYSTEM SAFETY FACTOR	38.7 PSI
HOSE ALLOWANCE NOT INCLUDED IN FLOW DEMAND	

1 FIRE SPRINKLER FLOOR PLAN - AREA B
1/8" = 1'-0"

