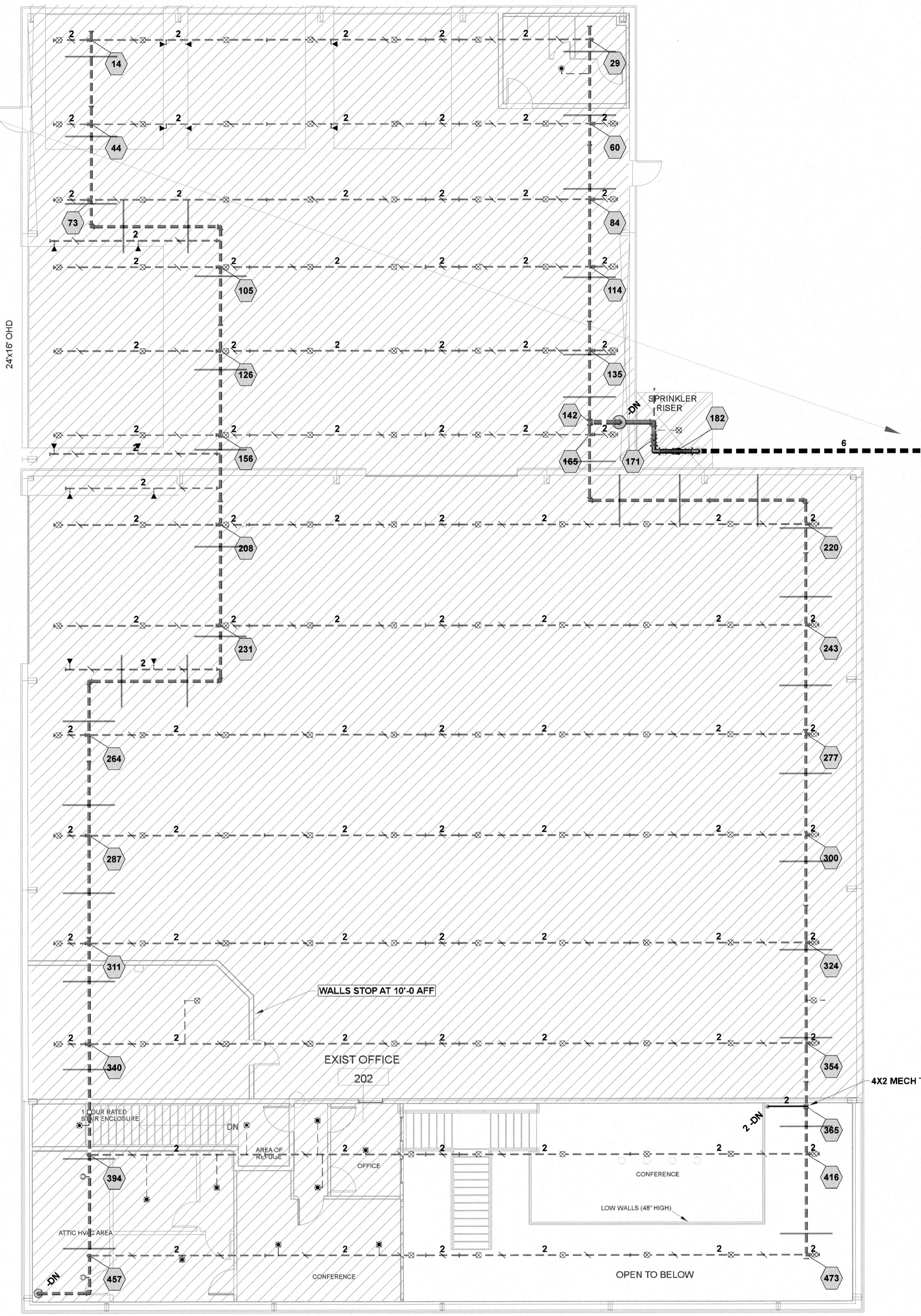


SEE FP1 FOR CONTINUATION OF UNDERGROUND PIPING AND HYDRAULIC REFERENCE POINTS

Hydraulic Information	
Remote Area A	
OCCUPANCY CLASSIFICATION	Light Hazard
DENSITY (gpm/ft ²)	0.10 for 1500 ft ² (Actual 580 ft ²)
TOTAL HOSE STREAMS	100.00
TOTAL HEADS FLOWING	6
K-FACTOR	5.6
TOTAL WATER REQUIRED	222.36
TOTAL PRESSURE REQUIRED	41.656
BASE OF RISER (gpm)	122.36
BASE OF RISER (psi)	23.894
SAFETY MARGIN (psi)	+15.268 (26.8%)
ENTIRE AREA CALCULATED	

Plan North
PIPING PLAN BOTTOM LEVEL
 1/8"=1'-0"



Sprinkler Legend										
Symbol	Manufacturer	SIN	Quantity	K-Factor	Type	Size	Response	Finish	Temperature	Note
⊗	Viking	VK350	121	8	Upright	1/2"	Quick	Brass	155 °F	EXISTING
⊙	Viking	VK3021	8	5.6	Pendent	1/2"	Quick	White Polyester	155 °F	EXISTING
⊙	Viking	VK3001	9	5.6	Upright	1/2"	Quick	Brass	155 °F	
⊙	Viking	VK534	2	11.2	Pendent	1/2"	Quick	White Polyester	155 °F	EXISTING
⊙	Viking	VK305	15	5.6	Sidewall	1/2"	Quick	Brass	155 °F	
⊙	Viking	VK3021	11	5.6	Pendent	1/2"	Quick	White Polyester	155 °F	
			Total = 166							

Plan North
PIPING PLAN TOP LEVEL
 1/8"=1'-0"

CAROLINA DIESEL TRUCKS
 LOBBY RENOVATION
 62 PROGRESSIVE DR.
 FUQUAY VARINA, NC 27562

J & D SPRINKLER CO. INC.
 315 W. MAIN ST., CLAYTON, NC 27520
 PHONE: (919)553-2356 FAX: (919) 359-0622

SHEET TITLE:
PIPING PLAN

This fire sprinkler planning and design drawing has been prepared by J & D Sprinkler Co. as a licensed fire sprinkler contractor under Article 2 of Chapter 87 of the General Statutes for the State of North Carolina. The contractor shall be responsible for the design and installation of the fire sprinkler system. The contractor shall be responsible for all work performed in reliance on this drawing pursuant to G.S. § 55B-15(a)(2). Installation work or any other work performed by any other person or entity in reliance on this drawing or any copy thereof is strictly prohibited.
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DANA GRAHAM
 NC # 16289FS CERT # 71075
 JASON GRAHAM
 NC # 16289FS CERT # 112842

REVISION:
 NO. DATE

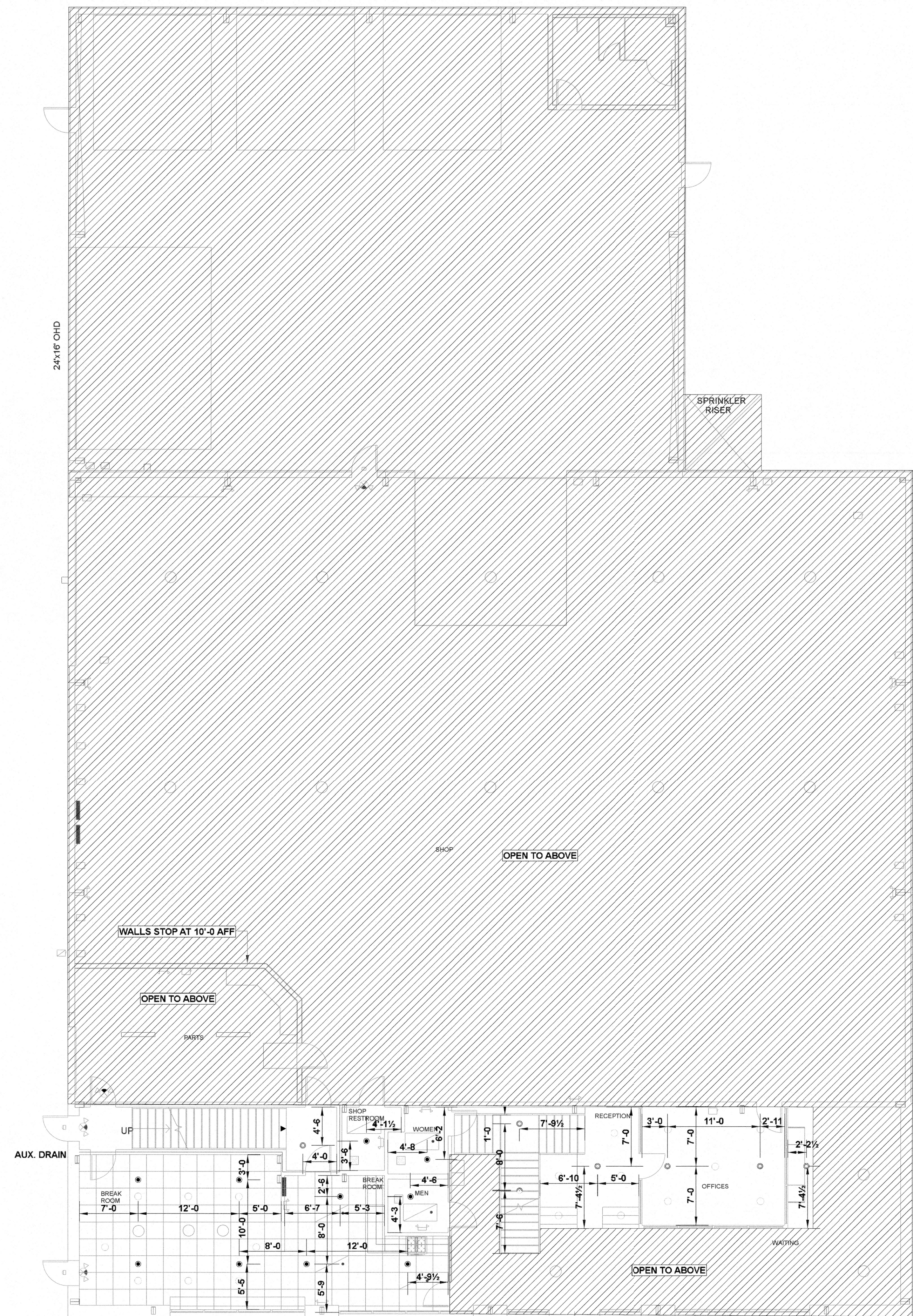
Date:
01.27.2023

Scale:
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 0 10'

Job Number:
JM22197

Drawn By:
BKB

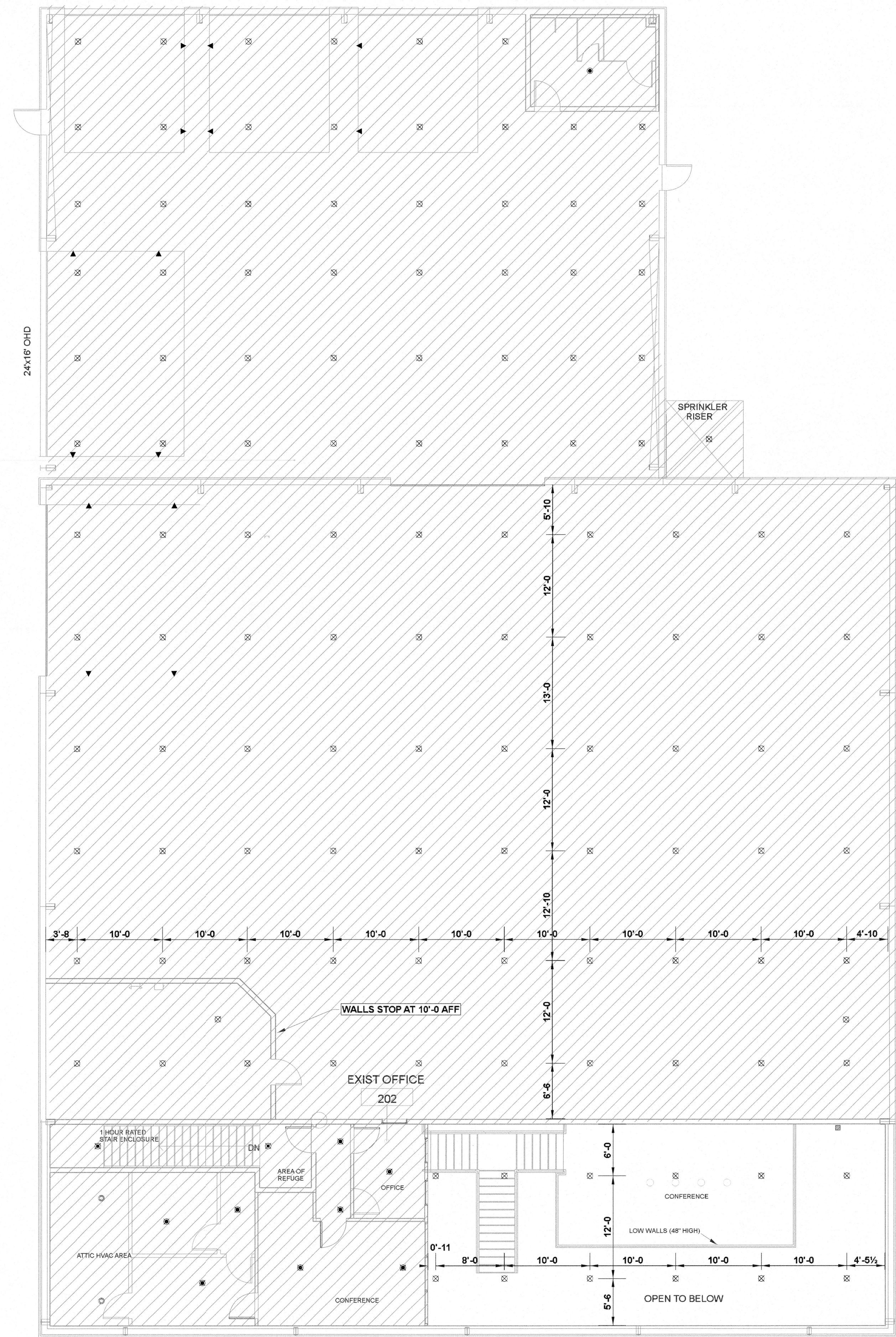
Sheet Number
FP2 OF 3



EXISTING TO REMAIN

Plan North
CEILING PLAN BOTTOM LEVEL
1/8"=1'-0"

Hydraulic Information	
Remote Area A	
OCCUPANCY CLASSIFICATION	Light Hazard
DENSITY (gpm/ft ²)	0.10 for 1500 ft ² (Actual 580 ft ²)
TOTAL HOSE STREAMS	100.00
TOTAL HEADS FLOWING	6
K-FACTOR	5.6
TOTAL WATER REQUIRED	222.36
TOTAL PRESSURE REQUIRED	41.656
BASE of RISER (gpm)	122.36
BASE of RISER (psi)	23.894
SAFETY MARGIN (psi)	+15.266 (26.8%)
ENTIRE AREA CALCULATED	



EXISTING TO REMAIN

Plan North
CEILING PLAN TOP LEVEL
1/8"=1'-0"

Sprinkler Legend										
Symbol	Manufacturer	SIN	Quantity	K-Factor	Type	Size	Response	Finish	Temperature	Note
⊗	Viking	VK350	121	8	Upright	3/4"	Quick	Brass	155 °F	EXISTING
⊙	Viking	VK3021	8	5.6	Pendent	1/2"	Quick	White Polyester	155 °F	EXISTING
⊗	Viking	VK3001	9	5.6	Upright	1/2"	Quick	Brass	155 °F	
⊙	Viking	VK534	2	11.2	Pendent	3/4"	Quick	White Polyester	155 °F	EXISTING
⊙	Viking	VK305	15	5.6	Sidewall	1/2"	Quick	Brass	155 °F	
⊙	Viking	VK3021	11	5.6	Pendent	1/2"	Quick	White Polyester	155 °F	
			Total = 166							

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315 W. MAIN ST., CLAYTON, NC 27520
PHONE: (919)553-2356 FAX: (919) 359-0622

SHEET TITLE:
CEILING PLAN

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DANA GRAHAM
NC # 16269FS CERT # 71075
JASON GRAHAM
NC # 16269FS CERT # 121842

REVISION:
NO. DATE

Date:
01.27.2023

Scale:
1/8"=1'-0"
10'

Job Number:
JM22197

Drawn By:
BKB

Sheet Number
FP3 OF 3