

### PROTECTION CRITERIA LEGEND

OCCUPANCY CLASSIFICATION	DISCHARGE PRESSURE (# OPERATING SPRINKLERS - DESIGN AREA)	HOSE ALLOWANCE (GPM)	MAXIMUM SPRINKLER SPACING (SQ FT)	DESIGN BASIS
SALES FLOOR (RNC - OPTION 2B)	25 PSI (2 AS-2S/1L) 10 PSI (12 AS-4S/3L)	250	140	CLASS I-V ON SHELF TO 12'-0" (25'-0" CEILING HEIGHT), 5'-0" AISLES; ULLC TECHNICAL REPORT PROJECT 478812262, NC27954 - TABLE 2 SUMMARY OF TESTS, TEST GONDOLA 10041702
INTERIOR GARDEN CENTER (SH - OPTION 1)	25 PSI (2 AS-2S/1L) 16 PSI (6 AS-4S/3L) 10 PSI (12 AS-4S/3L)	250	140	CLASS I-V ON SHELF TO 12'-0" (25'-0" CEILING HEIGHT), 5'-0" AISLES; ULLC TECHNICAL REPORT PROJECT 478812262, NC27954 - TABLE 2 SUMMARY OF TESTS, TEST SRR 04281702
STOCKROOM -GM/GR (SL - OPTION 4)	12 PSI (2 AS-2S/1L) 7 PSI (12 AS-4S/3L)	250	100	CLASS I-V RACK STORAGE TO 15'-0" (19'-0" CEILING HEIGHT), 4'-0" AISLES; ULLC TECHNICAL REPORT PROJECT 478812262, NC27954 - TABLE 2 SUMMARY OF TESTS, TESTS SRR 04191702 / DRR 06191702
STOCKROOM -GM/GR (SL - OPTION 4)	12 PSI (2 AS-2S/1L) 7 PSI (12 AS-4S/3L)	250	100	CLASS I-V RACK STORAGE TO 12'-0" (18'-0" CEILING HEIGHT), 0'-6" AISLES; ULLC TECHNICAL REPORT PROJECT 478812262, NC27954 - TABLE 2 SUMMARY OF TESTS, TEST MRR 02111702
STOCKROOM -GM/GR (SL - OPTION 4)	12 PSI (2 AS-2S/1L) 7 PSI (12 AS-4S/3L)	250	100	CLASS I-V RACK STORAGE TO 15'-0" (22'-0" CEILING HEIGHT), 7'-6" AISLES; ULLC TECHNICAL REPORT PROJECT 478812262, NC27954 - TABLE 2 SUMMARY OF TESTS, TEST DRR 06281702
MOTHERS ROOM / FAMILY RESTROOM / AP DETENTION	0.29/1500 SQ. FT.	250	130	CLASS I-V TO 5'-0", NFPA 13: TABLE 13.2.1
BREAKROOM	EXISTING	EXISTING	225	EXISTING PROTECTION CRITERIA
PICKUP COOLER/FREEZER (EXTRA HAZARD GROUP II)	0.40/2000 SQ. FT.	500	100	CLASS I-V TO 12'-0", NFPA 13: TABLE 13.2.1, 13.2.3

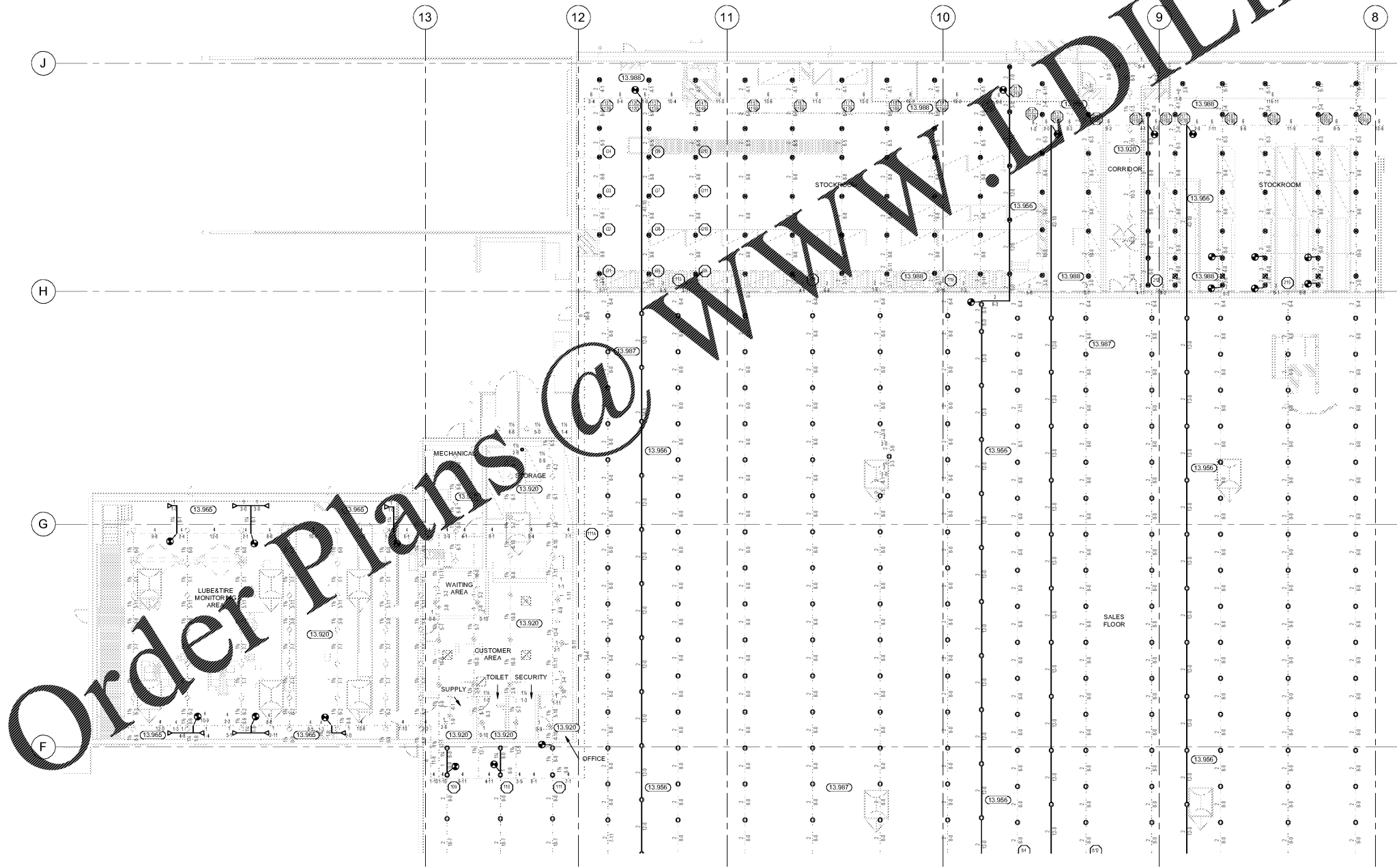
### KEYNOTES

- 13.920 EXISTING SPRINKLERS AND BRANCHLINES TO REMAIN.
- 13.956 PROVIDE NEW BRANCHLINES IN THIS AREA. FIELD VERIFY EXACT ROUTE THROUGH EXISTING BUILDING.
- 13.965 SIDEWALL SPRINKLERS W/HEAD GUARDS SHALL BE INSTALLED UNDERNEATH OVERHEAD DOORS WITH AN OVERHANG GREATER THAN 4'-0" IN THE OPEN POSITION PER SPECIFICATION 13900. EACH SIDEWALL SPRINKLER HEAD SHALL NOT PROTECT MORE THAN 100 SQ. FT. AS DEFINED BY NFPA 13. SPRINKLER CONTRACTOR SHALL VERIFY PROVIDE ADEQUATE SPRINKLER PROTECTION BELOW NEW REPLACED OVERHEAD DOORS. DO NOT SUPPORT PIPING FROM DOOR TRACKS. REF 5-FPS.
- 13.987 REPLACE EXISTING 1/2" UPRIGHT SPRINKLERS WITH TYCO T5831 11.2K UPRIGHT SPRINKLERS. REFERENCE PF1 SPRINKLER SYMBOL LEGEND FOR SPECIFIC SPRINKLER TO BE INSTALLED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE NECESSARY FITTINGS WHERE NEW SPRINKLERS DO NOT FIT THE EXISTING OUTLETS.
- 13.988 REPLACE EXISTING 3/4" UPRIGHT SPRINKLERS WITH TYCO T5831 15.8K UPRIGHT SPRINKLERS. REFERENCE PF1 SPRINKLER SYMBOL LEGEND FOR SPECIFIC SPRINKLER TO BE INSTALLED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE NECESSARY FITTINGS WHERE NEW SPRINKLERS DO NOT FIT THE EXISTING OUTLETS.

HYDRAULIC DESIGN	
SYSTEM #1 REMOTE AREA #G	STOCKROOM
SPRINKLERS CALCULATED	12 SPRINKLERS
SPRINKLER PRESSURE	7 PSI
HOSE ALLOWANCE	250 GPM
SYSTEM FLOW DEMAND @ SRC	808.4 GPM
SYSTEM PRESSURE DEMAND @ SRC	29.4 PSI
SYSTEM SAFETY FACTOR	26.8 PSI

HYDRAULIC DESIGN	
SYSTEM #1 REMOTE AREA #G	STOCKROOM
SPRINKLERS CALCULATED	2 SPRINKLERS
SPRINKLER PRESSURE	12 PSI
HOSE ALLOWANCE	250 GPM
SYSTEM FLOW DEMAND @ SRC	366.5 GPM
SYSTEM PRESSURE DEMAND @ SRC	25 PSI
SYSTEM SAFETY FACTOR	34.1 PSI

RC = RETAIL CEILING/RNC = RETAIL NO CEILING  
SL = STORAGE LOW/SH = STORAGE HIGH  
REFERENCE SPRINKLER PLANS AND SPRINKLER SYMBOL LEGEND FOR SPRINKLERS NECESSARY TO MEET THE DESIGN REQUIREMENTS  
SRR = SINGLE ROW RACK  
DRR = DOUBLE ROW RACK  
MRR = MULTIPLE ROW RACK



1 ENLARGED FIRE PROTECTION PLAN  
3/32" = 1'-0"  
SCALE: 3/32"=1'-0"

**HENDERSON ENGINEERS**  
6545 LEBLANCHE BLVD SUITE 400  
PRATTVILLE, AL 37139-3200  
TEL: 615.374.2500 FAX: 615.374.0001  
WWW.HENDERSONENGINEERS.COM

**Walmart**  
PRATTVILLE, AL  
1803 COBBERS FORD ROAD  
STORE NO. 0483-249  
JOB NUMBER: 218000483 | PHOTO: 188

2021 MAJOR PROJECT

ISSUE BLOCK


CHECKED BY: RASMJS  
DRAWN BY: MLG  
PROTO CYCLE: 01/29/21  
DOCUMENT DATE: 03/31/21

STIPULATION FOR REUSE  
THIS DRAWING IS THE PROPERTY OF HENDERSON ENGINEERS AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF HENDERSON ENGINEERS. THIS DRAWING IS THE PROPERTY OF HENDERSON ENGINEERS AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF HENDERSON ENGINEERS.



ENLARGED FIRE SPRINKLER PLAN

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.  
EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELVES WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.