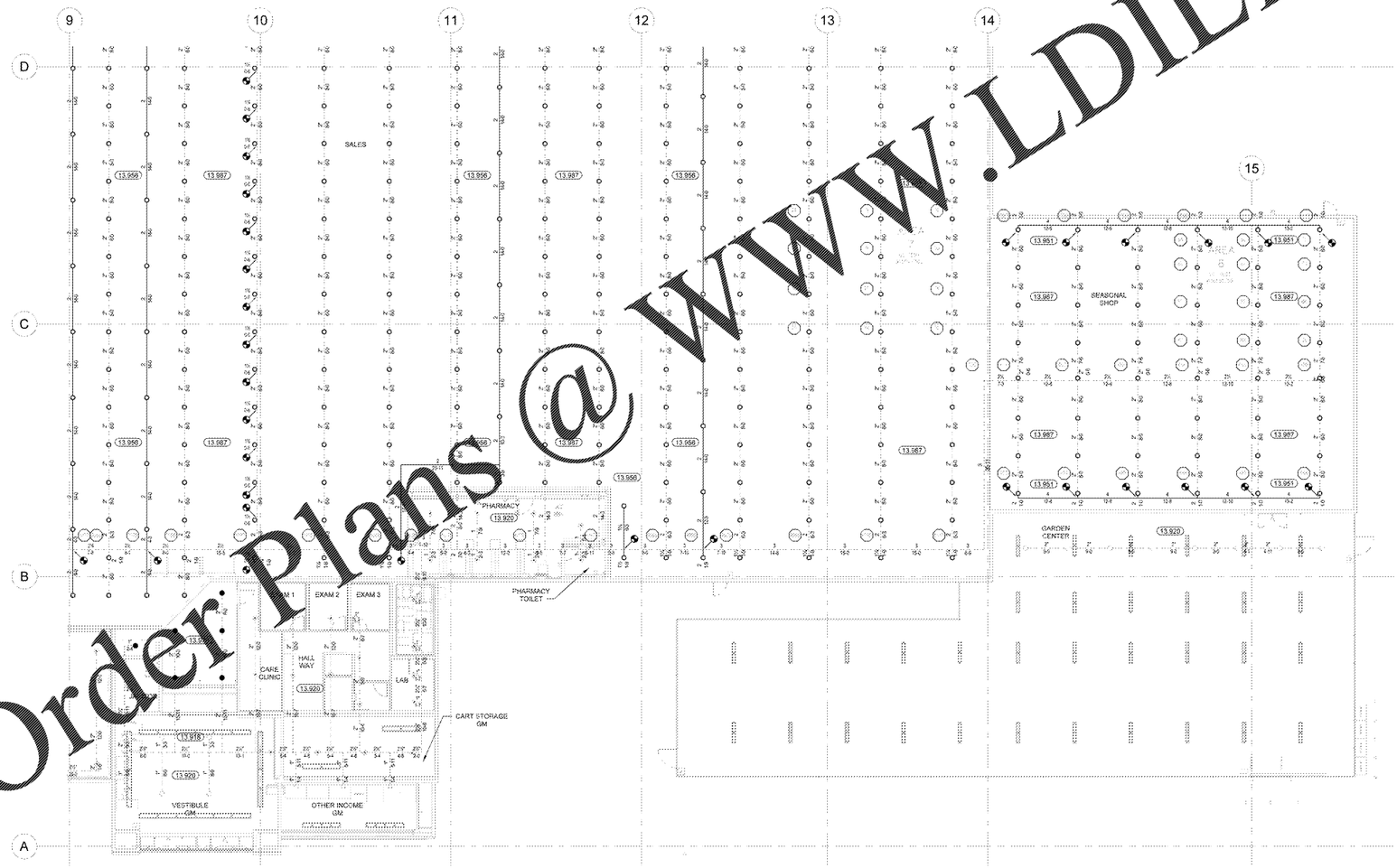
KEYNOTES

13.918	PROVIDE AIR VENT ON THE HIGHEST POINT OF SYSTEM, PREFERABLY ON THE MAIN. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING THE HIGHEST POINT OF EACH SYSTEM AND INSTALLING THE AIR VENT IN AN ACCESSIBLE LOCATION. REF 1-FP3.
13.920	EXISTING SPRINKLERS AND BRANCHLINES TO REMAIN.
13.951	PROVIDE NEW MAIN AS SHOWN. LOCATE MAIN ABOVE THE BOTTOM CHORD OF THE JOIST(S). FIELD VERIFY EXACT ROUTE THROUGH EXISTING BUILDING. COORDINATE WITH ALL NEW AND EXISTING EQUIPMENT AND WALLS.
13.956	PROVIDE NEW BRANCHLINES IN THIS AREA. FIELD VERIFY EXACT ROUTE THROUGH EXISTING BUILDING.
13.970	PROVIDE NEW PENDENT SPRINKLERS IN THIS AREA. CONNECT TO EXISTING SPRINKLER PIPING. NOT MORE THAN ONE SPRINKLER SHALL BE SUPPLIED BY A 1" PIPE OR CONNECTION. EXISTING UPRIGHT SPRINKLER PROTECTION, WHERE PROVIDED AT THE CEILING/ROOF DECK LEVEL, TO REMAIN UNLESS NOTED OTHERWISE.
13.987	REPLACE EXISTING ½" UPRIGHT SPRINKLERS WITH TYCO TY3231 11.2K UPRIGHT SPRINKLERS. REFERENCE SPRINKLER SYMBOL LEGEND FOR SPECIFIC SPRINKLER TO BE INSTALLED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE NECESSARY FITTING(S) WHERE NEW SPRINKLERS DO NOT FIT THE EXISTING OUTLET.

HYDRAULIC DESIGN	
SYSTEM # 4 REMOTE AREA # 7	SALES
SPRINKLERS CALCULATED	12 SPRINKLERS
SPRINKLER PRESSURE	10 PSI
HOSE ALLOWANCE	250 GPM
SYSTEM FLOW DEMAND @ SRC	676 GPM
SYSTEM PRESSURE DEMAND @ SRC	36.2 PSI
SYSTEM SAFETY FACTOR	40.5 PSI

HYDRAULIC DESIGN	
SYSTEM # 4 REMOTE AREA # 7	SALES
SPRINKLERS CALCULATED	2 SPRINKLERS
SPRINKLER PRESSURE	25 PSI
HOSE ALLOWANCE	250 GPM
SYSTEM FLOW DEMAND @ SRC	362 GPM
SYSTEM PRESSURE DEMAND @ SRC	42.5 PSI
SYSTEM SAFETY FACTOR	37.0 PSI



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

0 4" 8" 12" 16"
SCALE: 3/32"=1'-0"

HYDRAULIC DESIGN	
SYSTEM # 4 REMOTE AREA # 8	SEASONAL SALES
SPRINKLERS CALCULATED	12 SPRINKLERS
SPRINKLER PRESSURE	15 PSI
HOSE ALLOWANCE	250 GPM
SYSTEM FLOW DEMAND @ SRC	773 GPM
SYSTEM PRESSURE DEMAND @ SRC	56.0 PSI
SYSTEM SAFETY FACTOR	22.3 PSI

HYDRAULIC DESIGN	
SYSTEM # 4 REMOTE AREA # 8	SEASONAL SALES
SPRINKLERS CALCULATED	8 SPRINKLERS
SPRINKLER PRESSURE	21 PSI
HOSE ALLOWANCE	250 GPM
SYSTEM FLOW DEMAND @ SRC	662 GPM
SYSTEM PRESSURE DEMAND @ SRC	53.3 PSI
SYSTEM SAFETY FACTOR	25.5 PSI

HYDRAULIC DESIGN	
SYSTEM # 4 REMOTE AREA # 8	SEASONAL SALES
SPRINKLERS CALCULATED	2 SPRINKLERS
SPRINKLER PRESSURE	30 PSI
HOSE ALLOWANCE	250 GPM
SYSTEM FLOW DEMAND @ SRC	373 GPM
SYSTEM PRESSURE DEMAND @ SRC	47.2 PSI
SYSTEM SAFETY FACTOR	32.4 PSI

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 THEMSELF 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

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EXPIRES 3/31/2021

Walmart
CAMDEN, SC
STORE NO. 0634-236
2993/30634 PROTO: 172
2020 GENERAL REMODEL
JOB NUMBER:

ISSUE BLOCK

CHECKED BY:	NAW/MJS
DRAWN BY:	NM
PROTO CYCLE:	10/25/19
DOCUMENT DATE:	12/18/19

NOT FOR CONSTRUCTION

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HENDERSON ENGINEERS, INC
No. C01972
CERTIFICATE OF AUTHORIZATION

ENLARGED FIRE SPRINKLER PLAN

SHEET
FP2.3

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