KEYNOTES

13.920	EXISTING SPRINKLERS AND BRANCHLINES TO REMAIN
13.943	INSTALL LISTED PROTECTIVE GUARDS ON ALL EXISTING HORIZONTAL SIDEWALL SPRINKLERS PER NFPA 13 AND WALMART STANDARDS. REF 5-FP3
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
13.987	REPLACE EXISTING ½" UPRIGHT SPRINKLERS WITH TYCO TY5831 11.2K UPRIGHT SPRINKLERS. REFERENCE FP1 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 OUTLETS.
13.989	REPLACE EXISTING ½" UPRIGHT SPRINKLERS WITH TYCO TY7156 16.8K UPRIGHT SPRINKLERS. REFERENCE FP1 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 OUTLETS.

HYDRAULIC DESIGN	
SYSTEM # 4 REMOTE AREA # 6	RECEIVING GM
SPRINKLERS CALCULATED	12 SPRINKLERS
SPRINKLER PRESSURE	7 PSI
HOSE ALLOWANCE	250 GPM
SYSTEM FLOW DEMAND @ SRC	612 GPM
SYSTEM PRESSURE DEMAND @ SRC	41.6 PSI
SYSTEM SAFETY FACTOR	36.7 PSI

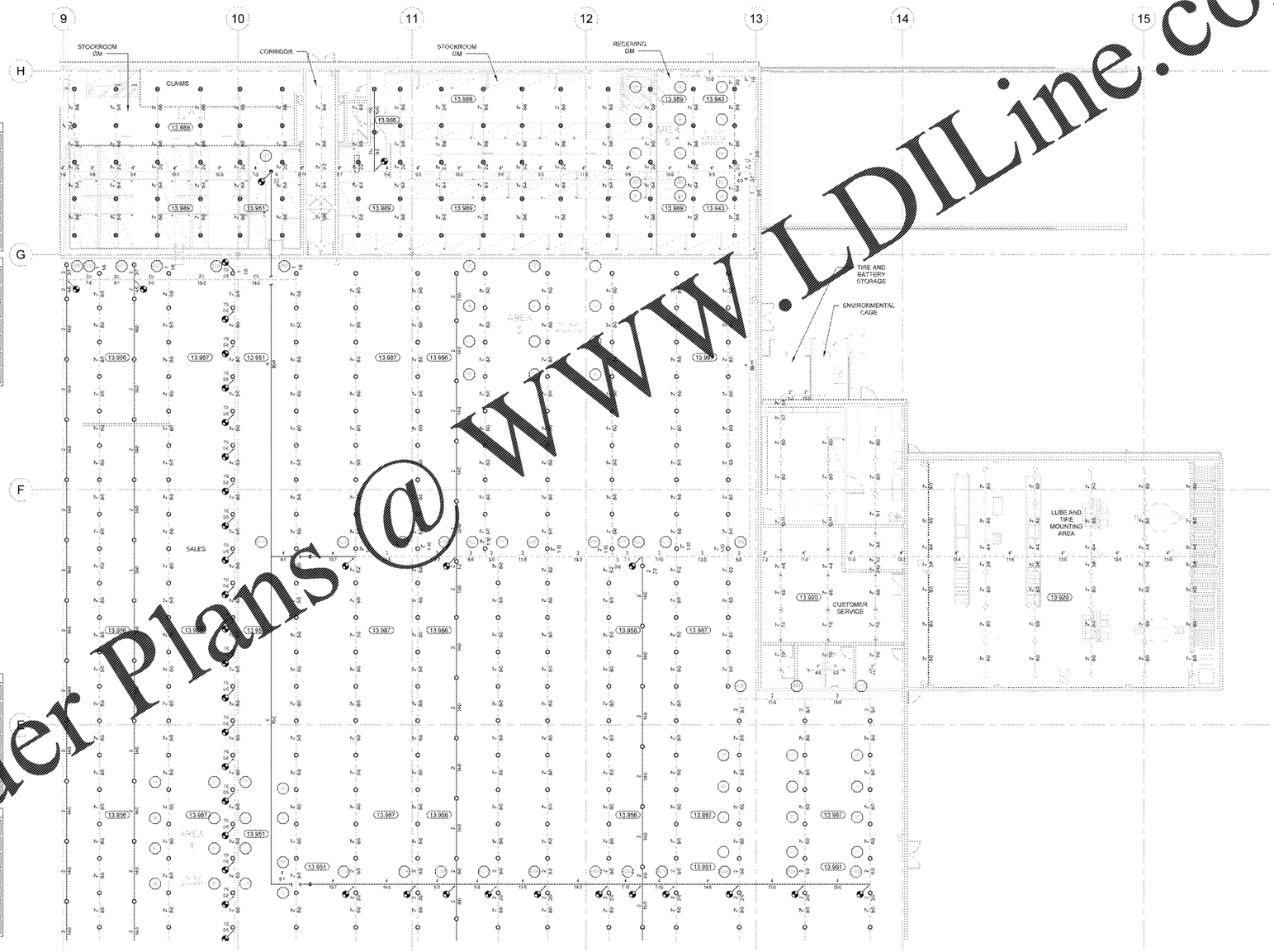
HYDRAULIC DESIGN	
SYSTEM # 4 REMOTE AREA # 6	RECEIVING GM
SPRINKLERS CALCULATED	2 SPRINKLERS
SPRINKLER PRESSURE	12 PSI
HOSE ALLOWANCE	250 GPM
SYSTEM FLOW DEMAND @ SRC	387 GPM
SYSTEM PRESSURE DEMAND @ SRC	30.3 PSI
SYSTEM SAFETY FACTOR	49.2 PSI

HYDRAULIC DESIGN	
SYSTEM # 4 REMOTE AREA # 5	SALES
SPRINKLERS CALCULATED	12 SPRINKLERS
SPRINKLER PRESSURE	10 PSI
HOSE ALLOWANCE	250 GPM
SYSTEM FLOW DEMAND @ SRC	685 GPM
SYSTEM PRESSURE DEMAND @ SRC	44.8 PSI
SYSTEM SAFETY FACTOR	34.0 PSI

HYDRAULIC DESIGN	
SYSTEM # 4 REMOTE AREA # 5	SALES
SPRINKLERS CALCULATED	2 SPRINKLERS
SPRINKLER PRESSURE	25 PSI
HOSE ALLOWANCE	250 GPM
SYSTEM FLOW DEMAND @ SRC	362 GPM
SYSTEM PRESSURE DEMAND @ SRC	47.6 PSI
SYSTEM SAFETY FACTOR	32.0 PSI

HYDRAULIC DESIGN	
SYSTEM # 3 REMOTE AREA # 4	SALES
SPRINKLERS CALCULATED	12 SPRINKLERS
SPRINKLER PRESSURE	10 PSI
HOSE ALLOWANCE	250 GPM
SYSTEM FLOW DEMAND @ SRC	683 GPM
SYSTEM PRESSURE DEMAND @ SRC	44 PSI
SYSTEM SAFETY FACTOR	22.3 PSI

HYDRAULIC DESIGN	
SYSTEM # REMOTE ARE 4	
SPRINKLERS CALCULATED	2 SPRINKLERS
SPRINKLER	25 PSI
HOSE ALLOWANCE	250 GPM
SYSTEM FLOW DEMAND @ SRC	362 GPM
SYSTEM PRESSURE DEMAND @ SRC	45.5 PSI
SYSTEM SAFETY FACTOR	34.1 PSI



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

SCALE: 3/32"=1'-0"

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

JAMES E. COOPER

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PROTO CYCLE:	10/25/19
DOCUMENT DATE:	12/18/19

NOT FOR CONSTRUCTION

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION
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ENLARGED FIRE SPRINKLER PLAN

SHEET
FP2.4

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