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SPRINKLER SYMBOL LEGEND									QTY
SYMBOL	SIZE	MFR	MAKE	SIN	FINISH	STYLE	TEMP	K-FACTOR	TOTAL
⊗	*	TYCO	*	*	*	*	*	*	6
[illegible]	1"	TYCO	DS-C	[illegible]	BRASS	CONCEAL	155	5.6	2
[illegible]	EXISTING PENDENT								-
[illegible]	EXISTING DRY PENDENT								-
								TOTAL SPRINKLERS	8

CONTRACTOR MAY SUBSTITUTE SPRINKLERS OF SAME THREAD SIZE, K-FACTOR, RESPONSE, FINISH, AND TEMPERATURE CLASSIFICATION UNLESS PROHIBITED BY THE SPECIFICATIONS.

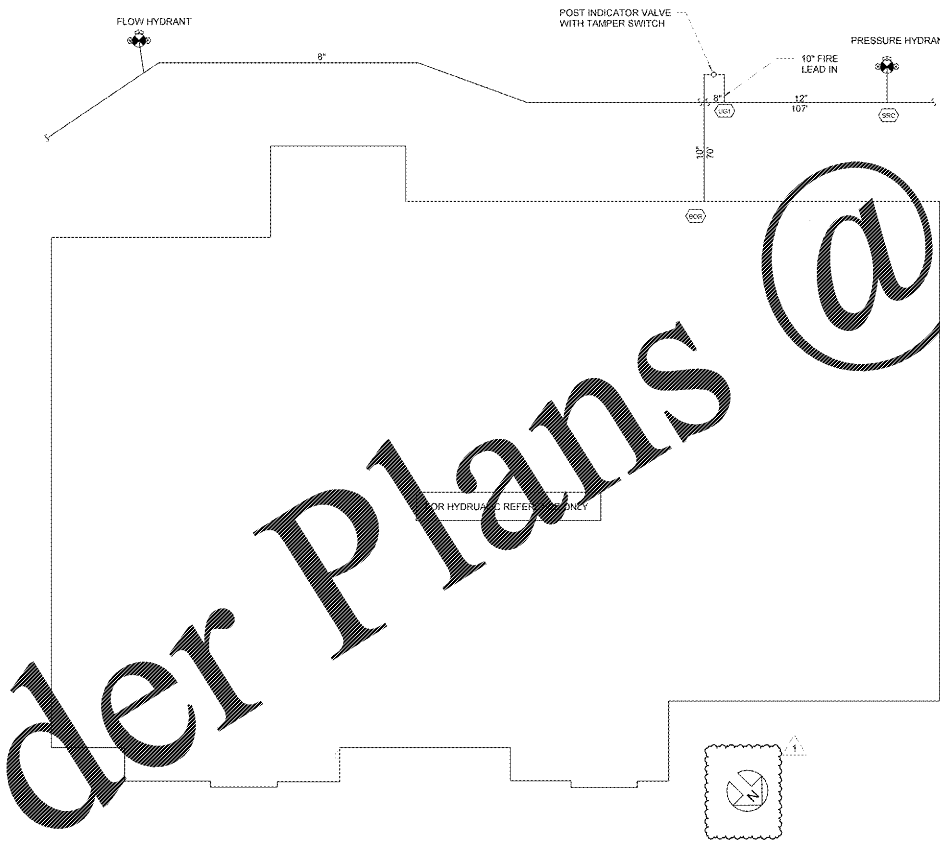
CONTRACTOR TO PROVIDE SPARE SPRINKLERS PER SPECIFICATIONS AND NFPA 13, TO BE LOCATED IN SPRINKLER CABINETS IN SPRINKLER ROOM.

QUICK RESPONSE HEADS SHALL NOT BE INSTALLED ADJACENT TO STANDARD RESPONSE HEADS IN ACCORDANCE WITH NFPA 13. WHERE NEW HEADS ARE INSTALLED ADJACENT TO EXISTING HEADS, NEW SPRINKLERS SHALL MATCH THREAD SIZE, RESPONSE, K-FACTOR, FINISH AND TEMPERATURE. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO PURCHASING MATERIALS.

* DENOTES MATCH EXISTING SPRINKLERS

PIPE TABLE (WET)

PRODUCT	NOMINAL PIPE SIZE	INSIDE DIAMETER
DYNA-FLOW	2"	2.203
DYNA-FLOW	2½"	2.703
DYNA-FLOW	3"	3.314
DYNA-FLOW	4"	4.310
DYNA-THREAD	1"	1.080
DYNA-THREAD	1¼"	1.408
DYNA-THREAD	1½"	1.639
DYNA-THREAD	2"	2.104
SCHEDULE 10	1¼"	1.442
SCHEDULE 10	1½"	1.682
SCHEDULE 10	2"	2.157
SCHEDULE 10	2½"	2.635
SCHEDULE 10	3"	3.260
SCHEDULE 10	4"	4.260
SCHEDULE 10	6"	6.357
SCHEDULE 10	8"	8.249
SCHEDULE 40	1"	1.049
SCHEDULE 40	1¼"	1.380
SCHEDULE 40	1½"	1.610
SCHEDULE 40	2"	2.067



1 FIRE SPRINKLER SITE PLAN
NTS

SYSTEM IMPAIRMENT REQUIREMENTS

1. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION, VERIFICATION AND PROVISION OF A FIRE WATCH SUBJECT TO THE REQUIREMENTS OF THE LOCAL JURISDICTION. ALL FIRE WATCH COSTS INCURRED AS A RESULT OF THIS PROJECT SHALL BE INCLUDED IN THE PROJECT BID AS A SEPARATE LINE ITEM. COORDINATION AND VERIFICATION AS TO WHEN A FIRE WATCH MAY BE NEEDED SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
2. THE GENERAL CONTRACTOR SHALL REQUEST THE STORE MANAGER TO NOTIFY ALARM CENTRAL OF THE SYSTEM(S) BEING SHUT OFF FOR WORK AND THE DURATION OF THE SHUT OFF.
3. THE GENERAL CONTRACTOR SHALL CALL DIRECT TO THE FIRE DEPARTMENT AND ADVISE THAT THE FIRE ALARM SYSTEM IS IN TEST.
4. AT THE END OF EACH NIGHTS WORK, THE GENERAL CONTRACTOR SHALL CALL DIRECT TO THE FIRE DEPARTMENT AND ALARM CENTRAL TO ADVISE WORK IS COMPLETE.
5. A FIRE WATCH IN ACCORDANCE WITH SECTION 901.7 OF THE INTERNATIONAL FIRE CODE SHALL BE REQUIRED WHEN ANY FIRE PROTECTION SYSTEM IS IMPAIRED OR OTHERWISE DOWN FOR ALTERATION. ADDITIONAL SPECIFIC REQUIREMENTS MAY BE NECESSARY DEPENDING UPON THE AUTHORITY HAVING JURISDICTION. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ASSUMING THE ROLE OF IMPAIRMENT COORDINATOR TO DEVELOP AND MAINTAIN THE FIRE WATCH PLAN. THE PLAN SHALL ENSURE THAT A TRAINED INDIVIDUAL(S) WHOSE SOLE RESPONSIBILITY IS TO PERFORM CONSTANT PATROL AND WATCH FOR THE OCCURRENCE OF FIRE IS ON SITE WHILE ANY SYSTEM IS IMPAIRED. THE FIRE WATCH INDIVIDUAL SHALL HAVE AN APPROVED MEANS OF COMMUNICATION TO REPORT A FIRE TO THE FIRE DEPARTMENT AND/OR THE DESIGNATED CENTRAL STATION. AND DOCUMENT EVIDENCE OF THEIR PATROLS IN WRITING.
6. ONLY (1) ONE SYSTEM IS PERMITTED TO BE SHUT DOWN AT ONE TIME.
7. ANY FIRE DEPARTMENT FEES FOR FAILURE TO FOLLOW PROCEDURES WILL BE AT THE GENERAL CONTRACTORS EXPENSE.
8. REQUIRED MEANS OF EGRESS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. DEMOLITION, REMODELING OR ALTERATIONS AND ADDITIONS TO THE WALMART. ALL EXITS SHALL NOT BE BLOCKED, REDUCED OR OTHERWISE MADE INOPERABLE WHICH ALSO INCLUDES THE EXIT ACCESS. THE EXIT AND EXIT DISCHARGE TO THE PUBLIC WAY. TEMPORARY MEANS OF EGRESS ARE ALLOWED.
9. ALL SYSTEMS TO BE LEFT IN SERVICE PRIOR TO THE END OF EACH WORKDAY.

GENERAL UNDERGROUND NOTES

1. ALL UNDERGROUND IS SHOWN FOR HYDRAULIC REFERENCE ONLY.
2. SEE CIVIL DRAWINGS FOR EXACT LOCATION IF AVAILABLE.
3. NO NEW WORK UNLESS OTHERWISE NOTED.

HYDRAULIC CALCULATION

THE CONTRACTOR IS RESPONSIBLE FOR PRODUCING AND PROVIDING THE AHJ AND THE ENGINEER OF RECORD HYDRAULIC CALCULATIONS FOR THIS PROJECT. THE ENGINEER OF RECORD WILL NOT BE RESPONSIBLE FOR PRODUCING OR PROVIDING HYDRAULIC CALCULATIONS.

FLOW TEST SUMMARY

STATIC PSI:	64 PSI
RESIDUAL PSI:	62 PSI
PITOT READING:	42 PSI
ORIFICE DIAMETER:	(1) 2.5" NOZZ
Cd:	.9
CALCULATED FLOW:	1087 GPM
TEST DATE:	12/12/17
TEST TIME:	10:15 AM
TEST LOCATION:	PROJECT SITE
TEST PERFORMED BY:	BENCHMARK GROUP

SCOPE OF WORK

1. CONTRACTOR TO FIELD VERIFY EXTENT OF WORK.
2. UPGRADE THE EXISTING FIRE SPRINKLER SYSTEM IN THE GROCERY STOCKROOM, GENERAL MERCHANDISING STOCKROOM, SALES FLOOR AND SEASONAL SHOP TO MEET THE DISCHARGE PRESSURE, HOSE ALLOWANCE AND MAXIMUM SPRINKLER SPACING AS REFERENCED IN THE PROTECTION CRITERIA LEGEND.
3. THE EXISTING FIRE SPRINKLER SYSTEMS WILL BE MODIFIED AS INDICATED ON THE PROJECT CONTRACT DOCUMENTS. THE SCOPE OF WORK MAY INCLUDE THE MODIFICATION OF EXISTING BRANCHLINES, INSTALLATION OF NEW BRANCHLINES, MODIFICATION OF EXISTING RISER(S), THE REMOVAL AND INSTALLATION OF NEW SPRINKLERS, MODIFICATION OF EXISTING MAINS. INSTALLATION OF NEW MAINS, REPLACEMENT OF THE EXISTING BACKFLOW PREVENTOR.
4. ALL NEW PIPING SHALL HAVE HANGERS INSTALLED IN ACCORDANCE TO THE DETAILS LOCATED ON THE FIRE PROTECTION DETAILS SHEET.
5. ALL 1-INCH ARMOVERS (IF APPLICABLE) SHALL HAVE A HANGER SECURED TO THE STRUCTURAL STEEL ONLY, NOT TO THE DECK WHEN THE LENGTH EXCEEDS 2'-0" WHERE STATIC PRESSURES ARE UP TO 100 PSI AND 1'-0" WHERE STATIC PRESSURES EXCEEDS 100 PSI.
6. EARTHQUAKE BRACING SHALL BE INSTALLED. REFERENCE EARTHQUAKE BRACING NOTES AND DETAILS LOCATED ON THE FIRE FIRE PROTECTION DETAILS SHEET.
7. NO CEILING GRID SHALL BE PERMITTED TO BE REMOVED. ONLY THE TILE MAY BE REMOVED FOR THE ROUTING OF PIPING AND DROPS AND REINSTALLED UNLESS OTHERWISE NOTED ON THE DESIGN PLANS. ALL REMOVED CEILING TILES MUST BE REPLACED AT THE END OF BUSINESS DAY. AREAS LEFT EXPOSED SUCH AS BUT NOT LIMITED TO REMOVED CEILING TILES SHALL NOT BE PERMITTED.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PURCHASING AND INSTALLING MATCHING CEILING TILES TO REPLACE ANY CEILING TILES THAT HAVE EMPTY HOLES DUE TO SPRINKLER REPLACEMENT.
10. USE EACH EXISTING OUTLET FOR ONE NEW ARM OVER TO NEW SPRINKLER LOCATION UNLESS HYDRAULICALLY CALCULATED. CONTRACTOR SHALL INSTALL NEW MECHANICAL TEES IF ADDITIONAL OUTLETS ARE REQUIRED. AFTER THE DEMOLITION IS COMPLETE, THE NEW SPRINKLER SYSTEM SHALL MEET ALL REQUIREMENTS OF NFPA 13.
11. CONTRACTOR SHALL PROVIDE NEW SPRINKLERS AS NECESSARY DUE TO PAINT, DAMAGE, ETC.. CONTRACTOR SHALL COORDINATE.
12. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE FIRE LINES DURING THE SPRINKLER SYSTEM UPGRADE PROCESS. THE CONTRACTOR SHALL COORDINATE WITH THE STORE MANAGER A STAGING AREA FOR MATERIALS AND TOOLS TO BE USED FOR PROJECT PRIOR TO START OF WORK.
13. THE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING THE SHOP DRAWINGS, HYDRAULIC CALCULATIONS AND APPROVAL (BY THE ENGINEER OF RECORD AND AHJ) AS WELL AS INSTALLATION.
14. THE SPRINKLER CONTRACTOR MUST FIRST SUBMIT DOCUMENTS, AS OUTLINED IN THE PROJECT SPECIFICATIONS, TO THE FIRE PROTECTION ENGINEER OF RECORD FOR APPROVAL. AFTER THE APPROVAL IS GIVEN, THE CONTRACTOR MUST SUBMIT TO THE AUTHORITY HAVING JURISDICTION FOR INSTALLATION PERMIT.
15. THE CONTRACTOR SHALL COORDINATE WITH THE STORE MANAGER ON THE AREA TO BE WORKED ON AT LEAST 24 HOURS IN ADVANCE.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY OF THE STORES CONTENTS (MERCHANDISE), OR THE BUILDING COMPONENTS AS A RESULT OF THE WORK SHOWN ON THE CONTRACT DOCUMENTS.
17. THE CONTRACTOR SHALL REPAIR ANY LEAKS OR REPLACE ANY LEAKING COMPONENTS AFFECTED BY THIS SCOPE OF WORK AT NO ADDITIONAL COST TO THE OWNER.
18. CONTRACTOR SHALL REVISE EXISTING/ PROVIDE NEW 1-HOUR RATED FIRE PUMP ENCLOSURE. CONTRACTOR SHALL PREPARE AND SUBMIT ALL REQUIRED ITEMS TO THE JURISDICTION NECESSARY TO OBTAIN APPROVAL AND PERMIT.

CONTACT INFORMATION

DOCUMENTS INCLUDE JURISDICTIONAL REQUIREMENTS PROVIDED BY THE FOLLOWING CONTACTS:

FIRE SPRINKLER REVIEWING AUTHORITY:
ZACK JACKSON - PERMIT ADMIN
COMMUNITY DEVELOPMENT
1 WOOLFOLK DR.
LOUISA, VA 20930
540-967-3430

APPLICABLE CODES

NFPA STANDARDS:	EDITION:
NFPA 13	2010
NFPA 20	2010
NFPA 24	2010
OTHER STANDARDS:	
INTERNATIONAL BUILDING CODE	2012
INTERNATIONAL FIRE CODE	2012

GENERAL NOTES

1. THE DESIGN SHOWN ON THESE CONTRACT DOCUMENTS IS TO PROVIDE GUIDANCE FOR BIDDING. SUBMIT COMPLETE FIRE SPRINKLER SHOP DRAWINGS AS REQUIRED BY CONTRACT DOCUMENTS TO THE OWNERS DESIGNATED REVIEWERS. BASE SPRINKLER DESIGN UPON THESE DRAWINGS AND AS REQUIRED BY THE SPECIFICATIONS. SHOP DRAWINGS MUST INCLUDE ELEVATIONS, HANGER LOCATIONS, PIPE LENGTHS, DIMENSIONS, FABRICATIONS METHODS, MATERIAL DATA, AND ADDITIONAL INFORMATION NECESSARY TO CLARIFY THE INTENT OF INSTALLATION. CONTRACTOR SHALL PROVIDE PIPE SIZE, SPRINKLER SPACING, AND SYSTEM CONFIGURATION AS SHOWN. ALTERNATE MATERIALS MUST BE SENT TO THE FIRE PROTECTION ENGINEER OF RECORD OR VIA THE RFI PROCESS AND MUST BE APPROVED IN RECORD DOCUMENTS PRIOR TO BID.
2. COORDINATE LOCATIONS OF FIRE PROTECTION COMPONENTS, INCLUDING PIPING, ALARMS, DRAINS, TEST POINTS, ETC. WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS. OBSTRUCTION TO SPRINKLER DISCHARGE MUST BE CONSIDERED DURING SHOP DRAWING PRODUCTION AND INSTALLATION: ADDITIONAL SPRINKLERS MAY BE REQUIRED AT NO ADDITIONAL COST TO OWNER. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
3. CONTRACTOR MUST VISIT THE BUILDING SITE TO DETERMINE THE FULL EXTENT OF THE EXISTING FIRE PROTECTION WORK AND EXISTING CONDITIONS, BECOME TOTALLY FAMILIAR WITH THE DISCONNECTIONS, REMOVALS, RELOCATIONS AND/OR RECONNECTIONS OF EXISTING FIRE PROTECTION EQUIPMENT REQUIRED, AND CONDITIONS IN THE PROPOSAL FOR THIS PROJECT. NO EXTRA COMPENSATION WILL BE PAID FOR LACK OF SUCH DETERMINATION, FAMILIARIZATION, AND/OR ALLOWANCE.
4. SUBMIT A REQUEST FOR INFORMATION FOR QUESTIONS REGARDING THE FIRE PROTECTION DOCUMENTS IN RFI PROCESS LOCATED IN THE FIRE PROTECTION SPECIFICATIONS.
5. NEUTRALIZATION WALLS, IF PROVIDED, ARE SHOWN ON THE ARCHITECTURAL DRAWINGS. REFER TO MECHANICAL DRAWINGS FOR NEUTRALIZATION WALL PENETRATION DETAIL. PENETRATIONS OF "RATED ASSEMBLIES" SHALL BE FIRE STOPPED WITH AN APPROVED MATERIAL PER METHODS REQUIRED BY PROJECT SPECIFICATIONS AND THE AUTHORITY HAVING JURISDICTION.

FIRE SPRINKLER PIPING DEMOLITION NOTES

1. CONTRACTOR MUST VISIT THE BUILDING SITE TO DETERMINE THE FULL EXTENT OF THE EXISTING FIRE PROTECTION WORK AND EXISTING CONDITIONS. BECOME TOTALLY FAMILIAR WITH THE DISCONNECTIONS, REMOVALS, RELOCATIONS AND/OR RECONNECTIONS OF EXISTING FIRE PROTECTION EQUIPMENT REQUIRED, AND CONDITIONS IN THE PROPOSAL FOR THIS PROJECT. NO EXTRA COMPENSATION WILL BE PAID FOR LACK OF SUCH DETERMINATION, FAMILIARIZATION, AND/OR ALLOWANCE.
2. UNLESS INDICATED OTHERWISE, DISCONNECT AND REMOVE ALL EXISTING FIRE PROTECTION COMPONENTS NOT INTENDED TO BE REUSED.
3. DISCONNECT, RELOCATE, AND RECONNECT EXISTING FIRE PROTECTION SYSTEMS AND EQUIPMENT WHERE REQUIRED.
4. NOTE CAREFULLY THAT THE FIRE PROTECTION DRAWINGS ARE INTENDED TO INDICATE, ONLY DIAGRAMMATICALLY, THE EXTENT AND THE GENERAL CHARACTER AND LOCATIONS OF THE WORK INCLUDED. PROVIDE ALL WORK OBVIOUSLY INTENDED, BUT HAVING MINOR DETAILS OMITTED OR NOT SHOWN. COMPLETE AS REQUIRED TO PERFORM THE FUNCTIONS INTENDED. FOLLOW THE CONTRACT DOCUMENTS FOR BUILDING DETAILS AND FIT THE WORK OF THE FIRE PROTECTION DRAWINGS AND SPECIFICATIONS THERETO.
5. REMOVE ALL DEMOLITION MATERIALS AND DEBRIS TO AN APPROVED DUMPING SITE AND CLEAN ALL FIRE PROTECTION WORK PRIOR THE PROJECT COMPLETION.
6. PERFORM ALL WORK ACCORDING TO THE PROJECT PHASING SCHEDULE INFORMATION FOR THIS PROJECT. PROVIDE ALL NECESSARY FIRE PROTECTION WORK, TEMPORARY AND/OR OTHERWISE, AND USE WHATEVER MEANS NECESSARY, TO CONFORM TO THE REQUIRED CONSTRUCTION PHASING OF THE PROJECT.
7. CONTRACTOR IS RESPONSIBLE FOR REPAIRING OR REPLACING ITEMS DAMAGED DURING DEMOLITION AND CONSTRUCTION.
8. CONTRACTOR SHALL PATCH ALL HOLES TO MATCH ADJACENT SURFACES LEFT UNUSED AFTER EXISTING SPRINKLER PIPING OR EQUIPMENT IS REMOVED AND VACATED FROM THESE HOLES.
9. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING FIRE DEPARTMENT ACCESS ROADS THROUGHOUT THE PROJECT.
10. SPRINKLER SYSTEMS NOT ASSOCIATED WITH THE DEMOLITION SHALL BE LEFT IN SERVICE.
11. THE CONTRACTOR SHALL PROPERLY NOTIFY THE LANDLORD. THE LESSOR AND THE ADJACENT TENANTS A MINIMUM OF 48 HOURS IN ADVANCE BEFORE PROCEEDING WITH THIS WORK. ALL WORK SHALL BE SCHEDULED IN ADVANCE.

SHEET INDEX

FP1	FIRE PROTECTION SITE PLAN
FP2	OVERALL FIRE SPRINKLER PLAN
FP2.1	ENLARGED FIRE PROTECTION PLANS
FP3	FIRE PROTECTION DETAILS

GENERAL NOTES CONT.

7. THE FIRE PROTECTION ENGINEER OF RECORD SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. NOR SHALL THEY BE REQUIRED TO SUPERVISE THE CONDUCT OF THE WORK, THE CONSTRUCTION PROCEDURES FOLLOWED BY THE CONTRACTOR, SUBCONTRACTORS, THEIR RESPECTIVE EMPLOYEES OR ANY OTHER PERSON AT THE JOB SITE OTHER THAN THAT OF THE ENGINEERING FIRM'S EMPLOYEES.
8. CONTRACTOR MUST REVIEW ALL CONSTRUCTION DOCUMENTS PRIOR TO BID. SHOULD MODIFICATIONS TO THESE PLANS BECOME NECESSARY TO PROPERLY COORDINATE THE SYSTEM WITH OTHER TRADES, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL OF THE CHANGES FROM BOTH THE AUTHORITY HAVING JURISDICTION AND THE OWNER'S DESIGNATED REVIEW CONSULTANT IN ADDITION TO OBTAINING THE NECESSARY APPROVALS, THE CONTRACTOR MUST MAKE NOTE OF ANY FIELD OR COORDINATION CHANGES ON THE INSTALLATION DRAWINGS AND THEN MUST PROVIDE A SET OF AS-BUILT DRAWINGS ONCE COMPLETE.
9. CONTRACTOR MUST VERIFY ALL DROP DOWN LOCATIONS AND [illegible] WALLS WITH THE PROJECT MANAGER PRIOR TO INSTALLATION.
10. ALL PIPING MUST BE COORDINATED AROUND FRAMING MEMBERS AND PROPERLY INSTALLED INSIDE THE BAR JOIST.
11. CONTRACTOR SHALL ROUTE PIPING AROUND ALL OBSTRUCTIONS AND PROVIDE SPRINKLER PROTECTION UNDER OBSTRUCTIONS, AS DETAILED IN NFPA 13 STANDARDS AS PART OF THE FIELD COORDINATION AT NO ADDITIONAL COST TO OWNER.
12. ALL SPRINKLER DEFLECTOR DISTANCE REQUIREMENTS SHALL BE IN ACCORDANCE TO THE STANDARDS OUTLINED IN NFPA 13.
13. ALL PIPING PASSING THROUGH CMU WALLS SHALL BE INSTALLED WITH ONE INCH CLEARANCE ON ALL SIDES. (CORE DIAMETER EQUAL TO PIPE +2"). ALL CORES SHALL BE COORDINATED WITH STRUCTURAL REINFORCING. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL CORING WITH PROPER CLEARANCE AT ALL CMU WALLS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A TWO INCH CLEARANCE AROUND ALL PIPING PASSING THROUGH CONCRETE SLABS. THE SPRINKLER CONTRACTOR SHALL FILL ALL CLEARANCES WITH APPROVED MASTIC.
14. PROVIDE FLUSHING CONNECTIONS IN ACCORDANCE WITH THE STANDARDS OUTLINED IN NFPA 13.
15. PROVIDE ALL NECESSARY OFFSETS, RISES OR DROPS IN PIPING AND AUXILIARY DRAINS REQUIRED BY BUILDING CONDITIONS.
16. EXAMINE THE JOB CONDITIONS AND VERIFY ALL MEASUREMENTS, DISTANCES, ELEVATIONS, CLEARANCES, ETC.
17. ARCHITECTURAL AND ELECTRICAL BACKGROUND INFORMATION IS SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO THE CONTRACT DOCUMENTS FOR LOCATIONS, SIZES AND QUANTITIES OF OTHER TRADE WORK.
18. SPRINKLER SPACING SHALL BE PER NFPA 13 UNLESS OTHERWISE NOTED ON PLANS AND/ OR PROTECTION CRITERIA LEGEND.
19. INTERFACE SPRINKLER SYSTEM WITH FIRE PROTECTION SUPERVISORY SYSTEM.
20. ALL MATERIALS SHALL BE UL LISTED OR FM APPROVED. SPRINKLER PIPE SHALL BE MANUFACTURED TO STANDARDS RECOGNIZED BY NFPA 13. THREADED PIPE SHALL HAVE A CORROSION RESISTANCE RATING OF 1.0 OR GREATER. CRIMP-TYPE COUPLINGS SHALL NOT BE USED. THREADABLE THINWALL PIPE WITH CORROSION RESISTANCE RATING OF LESS THAN 1.0 SHALL BE USED ONLY WITH ROLL GROOVE FITTINGS.
21. IF REQUIRED, PROVIDE 24 VOLT AC, ELECTRIC BELL, MODEL NO. PBA246. ELECTRIC BELL BY POTTER ELECTRIC SIGNAL OF ST. LOUIS, MISSOURI. LOCATE AS REQUIRED BY AUTHORITIES HAVING JURISDICTION. PROVIDE NEW DOUBLE POLE VANE TYPE FLOW DETECTOR, MODEL NO. VSR-F, BY POTTER ELECTRIC SIGNAL OF ST. LOUIS, MISSOURI. SET ADJUSTABLE DELAYED SIGNAL AT 30 SECONDS. MOUNT WATER FLOW INDICATORS NO HIGHER T HAN 6 FEET ABOVE FINISH FLOOR.
22. ALL SPRINKLER SYSTEMS SHALL BE HYDROSTATICALLY TESTED PER NFPA 13 REQUIREMENTS.
23. DO NOT HANG OR SUPPORT ANY LOADS OR MAKE ANY ATTACHMENTS TO THE METAL ROOF DECK OR JOIST BRIDGING.
24. SAMMY SCREWS ARE NOT PERMITTED.
25. CEILING FLANGES ARE NOT PERMITTED.
26. PROVIDE RETAINING STRAPS ON HANGERS WHERE REQUIRED.
27. CONTRACTOR IS TO COORDINATE FINAL SPRINKLER HEAD LOCATIONS AND PIPE ROUTING SUCH THAT THEY DO NOT INTERFERE WITH NOR RECEIVE DAMAGE FROM THE NORMAL OPERATIONS OF THE AREA.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT HIMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING HIS WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE OWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

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

REPLACE MISSING OR DAMAGED ESCUTCHEONS IN SERVICE DELI, FAMILY RESTROOM, DELI FREEZER. APPROXIMATELY 4 ESCUTHEONS.

REPLACE ALL QR SPRINKLERS IN SOFFIT AROUND SALES FLOOR PERIMETER WITH STANDARD RESPONSE SPRINKLERS. MATCH K FACTOR, SIZE, TEMP RATING. APPROX 4 PENDANTS.

REMOVE EXISTING EC-25 IN GR STOCK ROOM AND REPLACE WITH ELO TO MATCH EXISTING SPRINKLERS. APPROX 1 SPRINKLER.

SPRINKLER CONTRACTOR SHALL INSTALL ONE (1) AUTOMATIC AIR VENT NEAR THE HIGH POINT OF EACH WET SYSTEM, SEE DETAIL 6/FP3

RETAIL DESIGN COLLABORATIVE
[illegible] Freedom Drive [illegible] 410
[illegible] VA 20190
t 703 [illegible] 0086
rdcollaborative.com

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CONSULTANTS
Ricky N. Terrell P.E.
SUITE 5543 479-636-5004 800-321-8721
1805 N 2ND ST JOB NO.: 19532
ROGERS, AR 72756 DESIGNED BY: JPB

Walmart
GORDONSVILLE, VA
164 CAMP CREEK PKWY, LOUISA, VA 23093
STORE NO: 4682-223
Remodel Proto
JOB NUMBER: 17-127.25 PROTO: 143 SGR-OR

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1	REV #2	04/25/18

CHECKED BY:	RNT
DRAWN BY:	JPB
PROTO CYCLE:	02/23/18
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BG PROJECT NO:	19532

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FIRE PROTECTION SITE PLAN

SHEET:
FP1

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