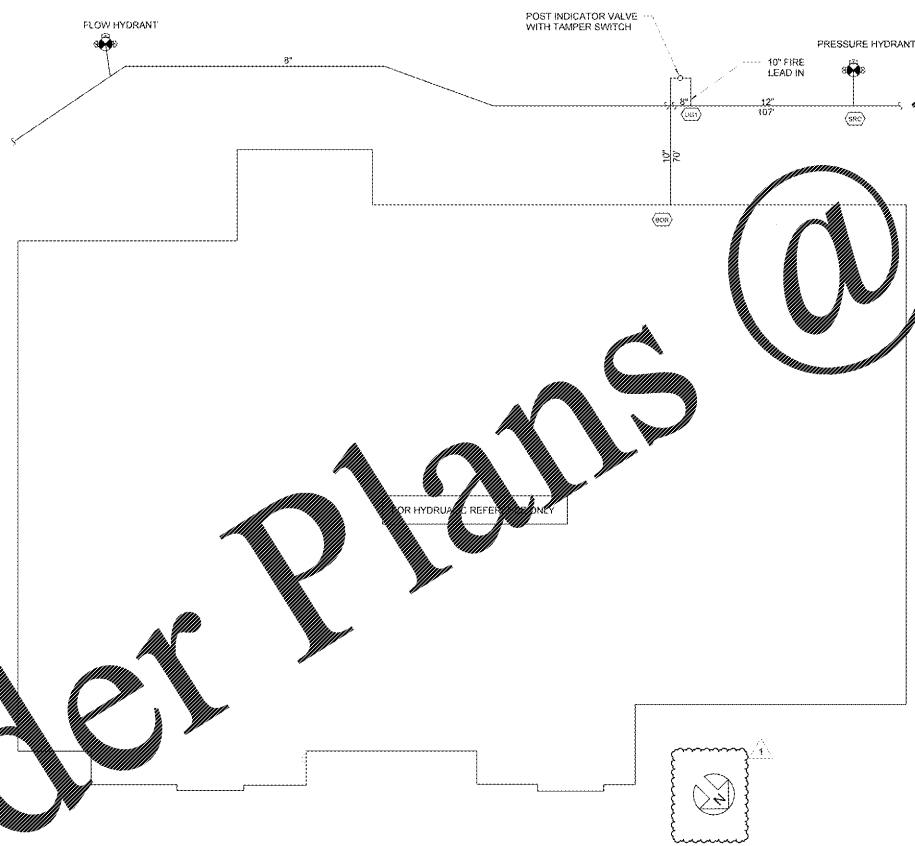


SPRINKLER SYMBOL LEGEND											
SYMBOL	TYPE	TEMP.	ORIF.	CLASS.	STAMP	TEST	INDICATOR	VALVE	DRY	WET	TOTAL
(Symbol)	1"	150°F	0.5"	UL-C	150°F	150°F	150°F	150°F	150°F	150°F	150°F
CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF STANDARD PIPE FITTINGS IN ACCORDANCE WITH NFPA 13 WHERE NEW PIPING IS INSTALLED. CONTRACTOR SHALL 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. ONLY ONE SYSTEM IS PERMITTED TO BE SHUT DOWN AT ONE TIME. ANY FIRE DEPARTMENT FEES FOR FAILURE TO FOLLOW PROCEDURES WILL BE AT THE GENERAL CONTRACTOR'S EXPENSE. REQUIRED MEANS OF EGRESS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION, DEMOLITION, REMODELING OR ALTERATIONS AND ADDITIONS TO THE WALKWAY. 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. ALL SYSTEMS TO BE LEFT IN SERVICE PRIOR TO THE END OF EACH WORKDAY.											

PIPE TABLE (MET)		
PRODUCT	NOMINAL PIPE SIZE	INSIDE DIAMETER
DYNA-FLOW	2"	2.203
DYNA-FLOW	2 1/2"	2.703
DYNA-FLOW	3"	3.314
DYNA-FLOW	4"	4.310
DYNA-THREAD	1"	1.030
DYNA-THREAD	1 1/2"	1.408
DYNA-THREAD	1 3/4"	1.630
DYNA-THREAD	2"	2.104
SCHEDULE 10	1 1/2"	1.442
SCHEDULE 10	1 3/4"	1.682
SCHEDULE 10	2"	2.157
SCHEDULE 10	2 1/2"	2.635
SCHEDULE 10	3"	3.260
SCHEDULE 10	4"	4.290
SCHEDULE 10	6"	6.357
SCHEDULE 10	8"	8.249
SCHEDULE 40	1"	1.049
SCHEDULE 40	1 1/2"	1.280
SCHEDULE 40	1 3/4"	1.610
SCHEDULE 40	2"	2.067



1 FIRE SPRINKLER SITE PLAN
NTS

SYSTEM IMPAIRMENT REQUIREMENTS	SCOPE OF WORK	GENERAL NOTES	GENERAL NOTES CONT.
<p>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.</p> <p>2. THE GENERAL CONTRACTOR SHALL REQUEST THE STORE MANAGER TO NOTIFY ALARM CENTRAL OF THE SYSTEMS BEING SHUT OFF FOR WORK AND THE DURATION OF THE SHUT OFF.</p> <p>3. THE GENERAL CONTRACTOR SHALL CALL DIRECT TO THE FIRE DEPARTMENT AND ADVISE THAT THE FIRE ALARM SYSTEM IS IN TEST. 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.</p> <p>4. A FIRE WATCH IN ACCORDANCE WITH SECTION 901.7 OF THE INTERNATIONAL FIRE CODE SHALL BE REQUIRED WHEN ANY FIRE PROTECTED SYSTEM IS IMPAIRED OR OTHERWISE DOWN FOR ALTERNATION. 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.</p> <p>5. ONLY ONE SYSTEM IS PERMITTED TO BE SHUT DOWN AT ONE TIME.</p> <p>6. ANY FIRE DEPARTMENT FEES FOR FAILURE TO FOLLOW PROCEDURES WILL BE AT THE GENERAL CONTRACTOR'S EXPENSE. REQUIRED MEANS OF EGRESS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION, DEMOLITION, REMODELING OR ALTERATIONS AND ADDITIONS TO THE WALKWAY. 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. ALL SYSTEMS TO BE LEFT IN SERVICE PRIOR TO THE END OF EACH WORKDAY.</p>	<p>1. CONTRACTOR TO FIELD VERIFY EXISTENT OF 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.</p> <p>2. THE EXISTING FIRE 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 MAINS, INSTALLATION OF NEW MAINS, REPLACEMENT OF THE EXISTING BACKFLOW PREVENTOR.</p> <p>3. ALL NEW PIPING SHALL HAVE HANGERS INSTALLED IN ACCORDANCE TO THE DETAILS LOCATED ON THE FIRE PROTECTION DETAILS SHEET.</p> <p>4. ALL 1-INCH ARMOVERS (IF APPLICABLE) SHALL HAVE A HANGER SECURED 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. EARTHQUAKE BRACING SHALL BE INSTALLED.</p> <p>5. NO DISCONNECTS, RELOCATIONS, REMOVALS OR RECONNECTIONS SHALL BE PERMITTED TO BE REMOVED. ONLY THE TILE MAY BE REMOVED FOR THE ROUTING OF PIPING AND DROPS AND REINSTALLED IN ACCORDANCE WITH 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.</p> <p>6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PURCHASING AND INSTALLING PATCH PANELS TO CEILING TILES TO REPAIR HOLES IN THE CEILING THAT HAVE EMPTY HOLES TO SPRINKLER PIPING.</p> <p>7. USE EACH EXISTING OUTLET FOR ONE NEW ARM OVER TO NEW SPRINKLER LOCATION UNLESS OTHERWISE DAILY CALLED TO COMPLETE. THE NEW SPRINKLER ARM SHALL MEET ALL REQUIREMENTS OF NFPA 13. SPRINKLERS AS NECESSARY DUE TO THE ABOVE ETC. CONTRACTOR SHALL SUBMIT.</p> <p>8. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE FULL EXTENT OF THE EXISTING FIRE PROTECTION WORK AND EXISTING CONDITIONS, BECOME TOTALLY FAMILIAR WITH THE DISCONNECTS, 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.</p> <p>9. ALL MATERIALS SHALL BE 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. THEADABLE THINWALL PIPE WITH CORROSION RESISTANCE RATING OF LESS THAN 1.0 SHALL BE USED ONLY WITH ROLL GROOVE FITTINGS.</p> <p>10. IF REQUIRED, PROVIDE 24 VOLT AC, ELECTRIC BELL MODEL NO. PB484, ELECTRIC BELL BY POTTER ELECTRIC SIGNAL OF ST. LOUIS, MISSOURI. LOCATE AS REQUIRED BY AUTHORITY HAVING JURISDICTION. PROVIDE NEW DOUBLE POLE WAVE TYPE FLOW DETECTOR, MODEL NO. WSR-F, BY NOTIFIER ELECTRIC SIGNAL OF ST. LOUIS, MISSOURI. SET ADJUSTABLE DELAYED SIGNAL AT 30 SECONDS. MOUNT WATER FLOW INDICATORS NO HIGHER THAN 8 FEET ABOVE FINISH FLOOR.</p> <p>11. ALL SPRINKLER SYSTEMS SHALL BE HYDROSTATICALLY TESTED PER NFPA 13 REQUIREMENTS. DO NOT MAKE OR SUPPORT ANY LOADS OR MAKE ANY ATTACHMENTS TO THE METAL ROOF DECK OR JOIST BRIDGING. SHIMMY SCREWS ARE NOT PERMITTED. CEILING FLANGES ARE NOT PERMITTED. PROVIDE RETAINING STRAPS ON HANGERS WHERE REQUIRED.</p> <p>12. 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.</p> <p>13. EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACCOUNT FAMILIAR 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.</p> <p>14. 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.</p>	<p>1. THE DESIGN SHOWN ON THESE CONTRACT DOCUMENTS IS TO PROVIDE GUIDANCE FOR BIDDING. 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.</p> <p>2. ALTERNATE MATERIALS MUST BE SENT TO THE FIRE PROTECTION ENGINEER OF RECORD OR VIA THE HP PROCESS AND MUST BE APPROVED IN RECORD DOCUMENTS PRIOR TO BID.</p> <p>3. 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.</p> <p>4. 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 DISCONNECTS, 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.</p> <p>5. ALL MATERIALS SHALL BE 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. THEADABLE THINWALL PIPE WITH CORROSION RESISTANCE RATING OF LESS THAN 1.0 SHALL BE USED ONLY WITH ROLL GROOVE FITTINGS.</p> <p>6. IF REQUIRED, PROVIDE 24 VOLT AC, ELECTRIC BELL MODEL NO. PB484, ELECTRIC BELL BY POTTER ELECTRIC SIGNAL OF ST. LOUIS, MISSOURI. LOCATE AS REQUIRED BY AUTHORITY HAVING JURISDICTION. PROVIDE NEW DOUBLE POLE WAVE TYPE FLOW DETECTOR, MODEL NO. WSR-F, BY NOTIFIER ELECTRIC SIGNAL OF ST. LOUIS, MISSOURI. SET ADJUSTABLE DELAYED SIGNAL AT 30 SECONDS. MOUNT WATER FLOW INDICATORS NO HIGHER THAN 8 FEET ABOVE FINISH FLOOR.</p> <p>7. ALL SPRINKLER SYSTEMS SHALL BE HYDROSTATICALLY TESTED PER NFPA 13 REQUIREMENTS. DO NOT MAKE OR SUPPORT ANY LOADS OR MAKE ANY ATTACHMENTS TO THE METAL ROOF DECK OR JOIST BRIDGING. SHIMMY SCREWS ARE NOT PERMITTED. CEILING FLANGES ARE NOT PERMITTED. PROVIDE RETAINING STRAPS ON HANGERS WHERE REQUIRED.</p> <p>8. 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.</p> <p>9. EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACCOUNT FAMILIAR 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.</p> <p>10. 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.</p>	
<p>GENERAL UNDERGROUND NOTES</p> <p>1. ALL UNDERGROUND IS SHOWN FOR INFORMATION ONLY. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND QUANTITIES OF OTHER TRADE WORK.</p> <p>2. NO NEW WORK UNLESS OTHERWISE NOTED.</p>	<p>HYDRAULIC CALCULATION</p> <p>THE CONTRACTOR IS RESPONSIBLE FOR CALCULATING AND PROVIDING THE AHJ AND THE AUTHORITY HAVING JURISDICTION FOR THE PROJECT. THE ENGINEER OF RECORD WILL NOT BE RESPONSIBLE FOR PRODUCING OR PROVIDING HYDRAULIC CALCULATIONS.</p>	<p>FIRE SPRINKLER PIPING DEMOLITION NOTES</p> <p>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 DISCONNECTS, 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.</p> <p>2. ALL MATERIALS SHALL BE 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. THEADABLE THINWALL PIPE WITH CORROSION RESISTANCE RATING OF LESS THAN 1.0 SHALL BE USED ONLY WITH ROLL GROOVE FITTINGS.</p> <p>3. IF REQUIRED, PROVIDE 24 VOLT AC, ELECTRIC BELL MODEL NO. PB484, ELECTRIC BELL BY POTTER ELECTRIC SIGNAL OF ST. LOUIS, MISSOURI. LOCATE AS REQUIRED BY AUTHORITY HAVING JURISDICTION. PROVIDE NEW DOUBLE POLE WAVE TYPE FLOW DETECTOR, MODEL NO. WSR-F, BY NOTIFIER ELECTRIC SIGNAL OF ST. LOUIS, MISSOURI. SET ADJUSTABLE DELAYED SIGNAL AT 30 SECONDS. MOUNT WATER FLOW INDICATORS NO HIGHER THAN 8 FEET ABOVE FINISH FLOOR.</p> <p>4. ALL SPRINKLER SYSTEMS SHALL BE HYDROSTATICALLY TESTED PER NFPA 13 REQUIREMENTS. DO NOT MAKE OR SUPPORT ANY LOADS OR MAKE ANY ATTACHMENTS TO THE METAL ROOF DECK OR JOIST BRIDGING. SHIMMY SCREWS ARE NOT PERMITTED. CEILING FLANGES ARE NOT PERMITTED. PROVIDE RETAINING STRAPS ON HANGERS WHERE REQUIRED.</p> <p>5. 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.</p> <p>6. EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACCOUNT FAMILIAR 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.</p> <p>7. 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.</p>	<p>GENERAL NOTES CONT.</p> <p>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. WORK SHALL BE REQUIRED TO SUPERVISE THE CONDUCT OF THE WORK. THE CONSTRUCTION PROCEDURES FOLLOWED BY THE CONTRACTOR, SUBCONTRACTORS, THEIR RESPECTIVE EMPLOYEES OR ANY OTHER PERSON ON THE JOB SITE OTHER THAN THAT OF THE ENGINEERING FIRMS EMPLOYEES.</p> <p>8. CONTRACTOR MUST REVIEW ALL CONSTRUCTION DOCUMENTS PRIOR TO BID. SHOULD MODIFICATIONS TO THESE PLANS BECOME NECESSARY TO PROTECT THE COORDINATION OF THE SYSTEM, THE CONTRACTOR IS RESPONSIBLE TO OBTAIN APPROVAL OF THE FIRE PROTECTION ENGINEER OF RECORD AND THE AUTHORITY HAVING JURISDICTION PRIOR TO ANY CHANGES TO THE PLANS.</p> <p>9. CONTRACTOR MUST OBTAIN APPROVAL OF THE FIRE PROTECTION ENGINEER OF RECORD AND THE AUTHORITY HAVING JURISDICTION PRIOR TO ANY CHANGES TO THE PLANS.</p> <p>10. CONTRACTOR MUST OBTAIN APPROVAL OF THE FIRE PROTECTION ENGINEER OF RECORD AND THE AUTHORITY HAVING JURISDICTION PRIOR TO ANY CHANGES TO THE PLANS.</p> <p>11. CONTRACTOR MUST OBTAIN APPROVAL OF THE FIRE PROTECTION ENGINEER OF RECORD AND THE AUTHORITY HAVING JURISDICTION PRIOR TO ANY CHANGES TO THE PLANS.</p> <p>12. CONTRACTOR MUST OBTAIN APPROVAL OF THE FIRE PROTECTION ENGINEER OF RECORD AND THE AUTHORITY HAVING JURISDICTION PRIOR TO ANY CHANGES TO THE PLANS.</p> <p>13. CONTRACTOR MUST OBTAIN APPROVAL OF THE FIRE PROTECTION ENGINEER OF RECORD AND THE AUTHORITY HAVING JURISDICTION PRIOR TO ANY CHANGES TO THE PLANS.</p> <p>14. CONTRACTOR MUST OBTAIN APPROVAL OF THE FIRE PROTECTION ENGINEER OF RECORD AND THE AUTHORITY HAVING JURISDICTION PRIOR TO ANY CHANGES TO THE PLANS.</p> <p>15. 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CONTRACTOR MUST OBTAIN APPROVAL OF THE FIRE PROTECTION ENGINEER OF RECORD AND THE AUTHORITY HAVING JURISDICTION PRIOR TO ANY CHANGES TO THE PLANS.</p> <p>22. CONTRACTOR MUST OBTAIN APPROVAL OF THE FIRE PROTECTION ENGINEER OF RECORD AND THE AUTHORITY HAVING JURISDICTION PRIOR TO ANY CHANGES TO THE PLANS.</p> <p>23. CONTRACTOR MUST OBTAIN APPROVAL OF THE FIRE PROTECTION ENGINEER OF RECORD AND THE AUTHORITY HAVING JURISDICTION PRIOR TO ANY CHANGES TO THE PLANS.</p> <p>24. CONTRACTOR MUST OBTAIN APPROVAL OF THE FIRE PROTECTION ENGINEER OF RECORD AND THE AUTHORITY HAVING JURISDICTION PRIOR TO ANY CHANGES TO THE PLANS.</p> <p>25. CONTRACTOR MUST OBTAIN APPROVAL OF THE FIRE PROTECTION ENGINEER OF RECORD AND THE AUTHORITY HAVING JURISDICTION PRIOR TO ANY CHANGES TO THE PLANS.</p> <p>26. CONTRACTOR MUST OBTAIN APPROVAL OF THE FIRE PROTECTION ENGINEER OF RECORD AND THE AUTHORITY HAVING JURISDICTION PRIOR TO ANY CHANGES TO THE PLANS.</p> <p>27. CONTRACTOR MUST OBTAIN APPROVAL OF THE FIRE PROTECTION ENGINEER OF RECORD AND THE AUTHORITY HAVING JURISDICTION PRIOR TO ANY CHANGES TO THE PLANS.</p>
<p>FLOW TEST SUMMARY</p> <p>STATIC PSI: 94 PSI RESIDUAL PSI: 62 PSI PISTON 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</p>	<p>CONTACT INFORMATION</p> <p>DOCUMENTS INCLUDE JURISDICTIONAL REQUIREMENTS PROVIDED BY THE FOLLOWING CONTACTS:</p> <p>FIRE SPRINKLER REVIEWING AUTHORITY: ZACK JACKSON - PERMIT ADMIN COMMUNITY DEVELOPMENT 1 WOLFFORD DR. LOUISIA, VA 20830 540-667-3400</p>	<p>APPLICABLE CODES</p> <p>NFPA STANDARDS: EDITION NFPA 10: 2010 NFPA 20: 2010 NFPA 24: 2010</p> <p>OTHER STANDARDS: INTERNATIONAL BUILDING CODE: 2012</p> <p>INTERNATIONAL FIRE CODE: 2012</p>	<p>SHEET INDEX</p> <p>FP1 FIRE PROTECTION SITE PLAN FP2 OVERALL FIRE SPRINKLER PLAN FP3 ENLARGED FIRE PROTECTION PLANS FP4 FIRE PROTECTION DETAILS</p>

- REPLACE MISSING OR DAMAGED ESCUTCHEONS IN SERVICE DELI, FAMILY RESTROOM, DELI FREEZER, APPROXIMATELY 4 ESCUTCHEONS.
- REPLACE ALL OR 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 OR 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 06FF3.



RELEASER
DETAIL DESIGN COLLABORATIVE

CONSULTANTS
Ricky N. Terrell, P.E.
164 CAMP CREEK PKWY., LOUISIA, VA 20830
PHONE: 540-667-3400
FAX: 540-667-3401
WWW.RELEASER.COM

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STORE NO.: 48502-223
JOB NUMBER: 143 SSGCOR
PROTO: 17-127-25

ISSUE BLOCK		
REV #	DATE	DESCRIPTION
1	04/25/18	

CHECKED BY: RNT
DRAWN BY: JPB
PROTO CYCLE: 02/23/18
DOCUMENT DATE: 04/10/18
BS PROJECT NO: 19532
This document originally issued and revised on 04/23/18.
This document should not be considered a contract document.
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FIRE PROTECTION SITE PLAN
SHEET: FP1

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