SPRINKLER DESIGN MATRIX

AREA	HAZARD CLASSIFICATION	SPRINKLER TYPE	SPRINKLER FINISH
SALES FLOOR	ORDINARY HAZARD (GROUP 2)	RECESSED	CHROME
ENTRANCE VESTIBULE	LIGHT HAZARD	DRY RECESSED PENDENT	CHROME
PUBLIC RESTROOMS	LIGHT HAZARD	RECESSED	CHROME
KITCHEN (SERVICE AREA)	ORDINARY HAZARD (GROUP 1)	RECESSED	CHROME
CLOUDS	ORDINARY HAZARD	UPRIGHT (ABOVE), CONCEALED	CHROME (ABOVE), CUSTOM COLOR
PHARMACY	LIGHT HAZARD	RECESSED	CHROME
DELICATESSEN	ORDINARY HAZARD (GROUP 1)	UPRIGHT, RECESSED	CHROME
MEAT DEPARTMENT	ORDINARY HAZARD (GROUP 1)	RECESSED	CHROME
FREEZERS AND COOLERS	ORDINARY HAZARD (GROUP 2)	DRY PENDENT	CHROME
OFFICE AREAS	LIGHT HAZARD	RECESSED	CHROME
COMMUNICATIONS CLOSET	ORDINARY HAZARD (GROUP 1)	UPRIGHT, RECESSED	CHROME, ROUGH BRASS
JANITOR CLOSET	ORDINARY HAZARD (GROUP 1)	RECESSED	ROUGH BRASS
MECHANICAL/ELECTRICAL ROOMS	ORDINARY HAZARD (GROUP 1)	RECESSED	ROUGH BRASS
LOADING DOCK/BACKROOM STORAGE	NFPA 13 STORAGE CRITERIA	RECESSED	ROUGH BRASS
SWEET SHOP	ORDINARY HAZARD (GROUP 2)	UPRIGHT, CONCEALED	CHROME, CUSTOM COLOR
WINE ROOM	ORDINARY HAZARD (GROUP 1)	CONCEALED	CUSTOM COLOR
APPARELL FITTING	LIGHT HAZARD	CONCEALED	WHITE
GENERATOR ROOM	0.3 GPM/SF OVER ROOM/AREA	DRY SIDEWALL	ROUGH BRASS

NOTES.
1. FOR AREAS NOT LISTED ON THIS MATRIX OR IN SPECIFICATIONS, CONTRACTOR SHALL VERIFY SPRINKLER TYPES/FINISHES WITH CM PRIOR TO BID.

2. CONTRACTOR SHALL VERIFY AND COORDINATE COMMODITY CLASSIFICATION AND STORAGE CONFIGURATION PRIOR TO BID AND INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION MEETING NFPA 13 REQUIREMENTS BASED ON STORAGE/HAZARD CONFIGURATION.

3. INSTALL WIRE GUARDS ON ALL SPRINKLERS INSTALLED BELOW 7' AFF OR AREAS SUBJECT TO DAMAGE.

4. CONTRACTOR SHALL DETERMINE FINAL HAZARD CLASSIFICATIONS BASED ON NFPA 13 AND LOCAL CODES.

5. ALL SPRINKLERS SHALL BE QUICK RESPONSE.

EQUIPMENT LIST

EQUIPMENT	MANUFACTURER	DESCRIPTION
BUTTERFLY VALVES	TYCO, ANVIL, KENNEDY, MILWAUKEE, NIBCO, VICTAULIC	INDICATING TYPE, METAL WHEEL HANDLE, SUPERVISORY SWITCH WITH AUXILLIARY CONTACTS. 2" AND SMALLER: BRONCZE BODY WITH THREADED ENDS. 2.5" AND LARGER, CAST OR DUCTILE IRON BODY WITH FLANGED OR GROOVED ENDS.
CHECK VALVES	VIKING MODEL G-1, NIBCO, RELIABLE, VICTAULIC	3" - 8" CHECK VALVES SHALL BE CONSTRUCTED OF A DUCTILE IRON BODY WITH A BREASS SEAT AND A RUBBER FACED CLAPPER ASSEMBLY HINGED TO A REMOVABLE ACCESS COVER. VALVES SHALL HAVE A 250 PSI WORKING PRESSURE.
FIRE DEPARTMENT CONNECTION	POTTER, FPPI, CROKER	4" X (2) 2.5" SINGLE CLAPPER, SIAMESE CONNECTION. BRASS CLAPPER AND BRASS SEATS WITH A CAST BRASS BODY RATGED FOR 175 PSI. PIN LUG DESIGN, 2.5" SWIVEL INLETS AND SWIVEL GASKETS. PROVIDE WITH CAPS AND CHAINS AS WELL AS BREAKABLE CAPS IN METAL OR PLASTIC TO PROTECT SWIVELS. PROVIDE WITH A POLISHED BRASS PLATE LABELED "AUTO SPKR". BALL DRIP VALVE TO PROVIDE DRAINAGE OF ALL TRAPPED PIPING. PIPE TO BUILDING EXTERIOR ABOVE SPLASH BLOCK OR HARD SURFACE. SEAL ALL EXTERIOR PENETRATIONS WATERTIGHT. PROVIDE ACCESS PANEL FOR INSPECTION/MAINTENANCE OF BALL VALVE WHERE CONNECTION IS LOCATED IN CHASE OR WALL.
FLOW SWITCHES	SYSTEM SENDOR WFD SERIES, VIKING, POETTER	VANE TYPE WATERFLOW SWITCH AFFIXED TO THE SYSTEM RISERS. SWITHC SHALL BE LABELED AS TO THE CORRECT ORIENTATION OF FLOW. IF DRILLING OF THE YSTEM RISER IS NECESSARY, THE DRILLED OUT DISC SHALL BE RETRIEVED AND ATTACHED TO THE MOUNTING U-BOLT OF THE FLOW SWITCH. SWITCH SHALL BE EQUIPPED WITH AN ADJUSTABLE DELAY OF AUDIBLE ALARM INITIATION APPROVED FOR ITS INTENDED USE. RANGE SHALL BE FROM 0 TO 90 SECONDS.
INSPECTOR'S TEST STATION	AGF MODEL 1000, RELIABLE, TYCO, VIKING	COMBINATION TEST AND DRAIN ASSEMBLY SHALL CONFORM TO NFPA STANDARDS AND SHALL BE RATED FOR A WORKING PRESSURE OF 300 PSIG. ANGLED DESIGN WITH A TAMPER RESISTANT TEST ORIFICE FOR ALL SIZES, TAMPER RESISTANT SIGHT GLASSES AND STEEL IDENTIFICATION PLATE INDICATING THE VALVE'S MODEL NUMBER, ORIFICE SIZE, AND CURRENT POSITION (OFF-TEST-DRAIN). BRONZE BODY, BRASS STEM, TEFLON SEAT, CHROME COATED BRASS BALL, F.I.P.T., AND A STEEL HANDLE ALLOWING FOR POSITIVE STOPS AT THE TEST AND DRAIN POSITIONS. TAPPED PORT IN THE VALVE BODY FOR INSTALLATION OF THE RELIEF VALVE AND A PRESSURE GAUGE. LOCKING KIT SHALL PROVIDE VANDAL RESISTANCE AND PREVENT ACCIDENTAL ALARM ACTIVATION.
TAMPER SWITCHES (OS&Y)	SYSTEM SENDOR PIBV2, POTTER, APPROVED EQUAL	OS&Y SUPERVISORY SWITCH INSTALLED ON EACH VALVE. MOUNTE SWITCHES TO NOT INTERFERE WITH OPERATION OF THE VALVE AND OPERATE WITHIN TWO REVOLUTIONS OF THE VALVE. ASSEMBLY TO BE CONTAINED IN A WEATHERPROOF DIE CAST METAL HOUSING, WITH A .5" CONDUIT CONNECTION, AND NECESSARY EQUIPMENT FOR ATTACHMENT TO THE VALVE. THE SWITCH ASSEMBLY SHALL INCLUDE TWO SWITCHES WITH RATED CAPACITIES OF 10 AMP @ 125/250VAC AND 2.5 AMP @ 24VDC. TAMPER RESISTANT COVER LISTED FOR INDOOR OR OUTDOOR USE.

NOTES:
1. ALL EQUIPMENT SHALL BE UL LISTED.

2. REFER TO SPECIFICATIONS FOR ADDITIONAL VALVE AND EQUIPMENT REQUIREMENTS.

FIRE PROTECTION GENERAL DEMOLITION NOTES:

1. COORDINATE ALL DEMOLITION WITH WHAT IS SHOWN ON ARCHITECTURAL PLANS. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
2. COORDINATE NEW WORK AND DEMOLITION WITH OTHER DISCIPLINES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
3. PRIOR TO SUBMITTING BID, VISIT THE JOB SITE AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS OF THE PROJECT. REVIEW GENERAL NOTES, SPECIFICATIONS AND OTHER DRAWINGS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, ENGINEER OR OWNER, AS DEFINED IN BID DOCUMENTS, OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID. ADDITIONAL COMPENSATION WILL NOT BE PAID FOR LACK OF SUCH DETERMINATION, FAMILIARIZATION, AND/OR ALLOWANCE.
4. EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND SITE VISITS AND MAY NOT REFLECT EXACT 'AS-BUILT' CONDITIONS. FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. COORDINATE NEW WORK AND DEMOLITION WITH OTHER DISCIPLINES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
5. OWNER RETAINS RIGHTS OF SALVAGE FOR EQUIPMENT AND FIXTURES TO BE REMOVED. COORDINATE WITH THE OWNER THE EQUIPMENT AND FIXTURES TO BE SALVAGED AND THE LOCATION FOR STORAGE. AVOID DAMAGE TO EQUIPMENT DURING DEMOLITION WORK AND DURING TRANSPORT TO OWNER'S DESIGNATED STORAGE LOCATION. PROPERLY DISPOSE OF MATERIALS THAT ARE REMOVED AND ARE NOT REQUESTED TO BE SALVAGED BY THE OWNER.
6. REMOVE ITEMS SHOWN HEAVY LINED AND/OR CROSSHATCHED AND/OR NOTED TO BE REMOVED.
7. EQUIPMENT TO BE REMOVED SHALL BE KEPT FOR REINSTALLATION DURING THE CONSTRUCTION PHASE WHEN POSSIBLE AND/OR INDICATED ON THE DRAWINGS. AVOID DAMAGING EXISTING SURFACES AND EQUIPMENT TO REMAIN FOR NEW INSTALLATION. REPAIR ANY DAMAGE CAUSED DURING WORK AT NO EXTRA COST TO THE OWNER.
8. SEAL PENETRATIONS THROUGH FLOORS, WALLS, CEILINGS AND ROOFS WHERE COMPONENTS ARE REMOVED AND WHERE THE EXISTING PENETRATION IS NOT USED FOR THE NEW INSTALLATION. REPAIR DAMAGED SURFACES TO MATCH ADJACENT AREAS OR AS INDICATED ON THE ARCHITECTURAL DRAWINGS.
9. PERFORM ALL WORK ACCORDING TO THE PHASING SCHEDULE FOR THIS PROJECT. PROVIDE ALL TEMPORARY DESIGN AND/OR CONFIGURATIONS THAT MEET APPLICABLE CODE REQUIREMENTS AS NECESSARY TO CONFORM TO THE REQUIRED CONSTRUCTION PHASING OF THE PROJECT.
10. ONLY THE PORTIONS OF THE BUILDING AFFECTED BY THE SCOPE OF THE PROJECT HAVE BEEN SHOWN. INFORMATION SHOWN AS EXISTING TO REMAIN IS NOT BEING MODIFIED AS A PART OF THIS PROJECT.
11. ALL WORK SHALL BE PERFORMED SO AS TO NOT INTERRUPT SERVICE. THE CONTRACTOR SHALL PROPERLY NOTIFY THE BUILDING OWNER, LANDLORD, THE LEASER AND ADJACENT TENANTS AS APPLICABLE A MINIMUM OF 48 HOURS IN ADVANCE BEFORE PROCEEDING WITH THIS WORK.
12. REMOVE ALL UNUSED AND DEMOLISHED EQUIPMENT AND ASSOCIATED MATERIALS FROM SITE. ABANDONING UNUSED PORTIONS WILL NOT BE ACCEPTABLE.
13. SYSTEM(S) NOT ASSOCIATED WITH THE DEMOLITION SHALL BE LEFT IN SERVICE AS APPLICABLE.
14. INSPECT EXISTING EQUIPMENT TO REMAIN TO VERIFY THAT EQUIPMENT IS OPERATING PROPERLY. NOTIFY OWNER OF DAMAGED AND/OR MALFUNCTIONING COMPONENTS.
15. ALL SYSTEMS TO BE LEFT IN SERVICE PRIOR TO THE END OF EACH WORKDAY.

FIRE PROTECTION GENERAL NOTES:

1. PRIOR TO SUBMITTING BID, VISIT THE JOB SITE AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS OF THE PROJECT. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND OTHER DRAWINGS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, ENGINEER AND/OR OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
2. SYSTEM DESIGN, INSTALLATION AND MATERIALS SHALL BE IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS. SYSTEM SHALL ALSO MEET ALL APPLICABLE BUILDING CODES, FIRE CODES AND THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AND INSURANCE CARRIER. VERIFY REQUIREMENTS PRIOR TO BID SUBMITTAL.
3. INFORMATION ON CONTRACT DOCUMENTS IS GENERAL INFORMATION AND FOR BID PURPOSES ONLY. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE FINAL SYSTEM DESIGN AND LAYOUT OF ALL COMPONENTS, COORDINATION WITH ALL OTHER TRADES, AND SYSTEM CALCULATIONS REQUIRED FOR APPROVAL BY THE AUTHORITY HAVING JURISDICTION, ENGINEER, AND OWNER'S INSURER.
4. THE CONTRACTOR SHALL FOLLOW THE ENGINEER OF RECORD'S SYSTEM DESIGN AND LAYOUT OF ALL COMPONENTS EXCEPT WHERE MODIFICATION TO THE DESIGN IS NECESSARY. MODIFICATIONS SHALL BE REFLECTED IN THE CONTRACTOR'S SHOP DRAWINGS AND CALCULATIONS.
5. DEVIATIONS FROM ENGINEER'S DESIGN WILL NOT BE CONSIDERED UNLESS A FORMALLY SUBMITTED RFI IS RECEIVED AND APPROVED.
6. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT AND LABOR REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM AS INDICATED IN THE DRAWINGS AND SPECIFICATIONS.
7. WHERE EXISTING SYSTEMS ARE PRESENT, CONTRACTOR SHALL MODIFY, RELOCATE AND/OR PROVIDE ADDITIONAL EQUIPMENT AS REQUIRED FOR SCOPE OF WORK AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. COORDINATE WITH WALLS, CEILINGS, LIGHTS, DIFFUSERS, STRUCTURE, OBSTRUCTIONS, ETC. IN AREAS AFFECTED BY SCOPE OF WORK. NEW EQUIPMENT SHALL BE COMPATIBLE WITH EXISTING SYSTEMS. CONTRACTOR SHALL REMOVE ALL ABANDONED EQUIPMENT, COORDINATE SYSTEM MODIFICATIONS TO MINIMIZE SYSTEM IMPAIRMENT, AND PROVIDE FIRE WATCH AND/OR INTERIM FIRE PROTECTION MEASURES WHERE REQUIRED BY THE AUTHORITY HAVING JURISDICTION, INSURANCE CARRIER OR OWNER.
8. PROVIDE ADDITIONAL MATERIALS AND LABOR REQUIRED DUE TO LACK OF COORDINATION OR TO MEET AUTHORITY HAVING JURISDICTION AND INSURANCE CARRIER REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.
9. FORWARD COMPLETED CERTIFICATE OF COMPLETION AND CONTRACTOR MATERIAL TEST CERTIFICATES TO THE OWNER.
10. ALL EXPOSED PIPE SHALL BE PREPPED FOR PAINT.
11. DO NOT ROUTE SPRINKLER PIPING ACROSS SKYLIGHTS.
12. ALL EXPOSED PIPING SHALL BE RUN PARALLEL OR PERPENDICULAR TO STRUCTURAL MEMBERS.
13. FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE FINAL HAZARD CLASSIFICATION OF EACH SPACE.
14. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

WATER SUPPLY INFORMATION

WATER SUPPLY INFORMATION IS NOT AVAILABLE AT THIS TIME. CONTRACTOR SHALL OBTAIN CURRENT WATER SUPPLY INFORMATION PRIOR TO BID SUBMITTAL.

NOTE:

WHERE REQUIRED BY LOCAL AHJ, CONTRACTOR TO PROVIDE SEISMIC BRACING AS REQUIRED AND INSTALLED PER NFPA 13.

FIRE PROTECTION SYMBOLS

THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	NIC	NOT IN CONTRACT
AFG	ABOVE FINISHED GRADE	OC	ON CENTER
CD	CANDELA	PIV	POST INDICATOR VALVE
DI	DUCTILE IRON	PROVIDE	FURNISH AND INSTALL
ESFR	EARLY SUPPRESSION FAST RESPONSE	PRV	PRESSURE REDUCING VALVE
ETR	EXISTING TO REMAIN	RD	RETURN DUCT
FHC	FIRE HOSE CABINET	REV	REVISION
FP	FIRE PROTECTION	SD	SUPPLY DUCT
GC	CONTRACTOR	SF	SQUARE FEET
GPM	GALLONS PER MINUTE	TYP	TYPICAL
JB/J-BOX	JUNCTION BOX	UNO	UNLESS NOTES OTHERWISE
MAX	MAXIMUM	V	VOLT(S)
MIN	MINIMUM	W	WATTS
N/A	NOT APPLICABLE	WP	WEATHERPROOF

ANNOTATION

- (1) FIRE PROTECTION PLAN NOTE CALLOUT
- CONNECTION POINT OF NEW WORK TO EXISTING
- 1 / F1 DETAIL REFERENCE UPPER NUMBER INDICATES DETAIL NUMBER LOWER NUMBER INDICATES SHEET NUMBER
- 1 / F1 SECTION CUT DESIGNATION

FIRE SPRINKLERS

- UPRIGHT SPRINKLER
- PENDENT SPRINKLER
- CONCEALED SPRINKLER
- DRY PENDENT SPRINKLER
- DRY SIDEWALL SPRINKLER
- SIDEWALL SPRINKLER

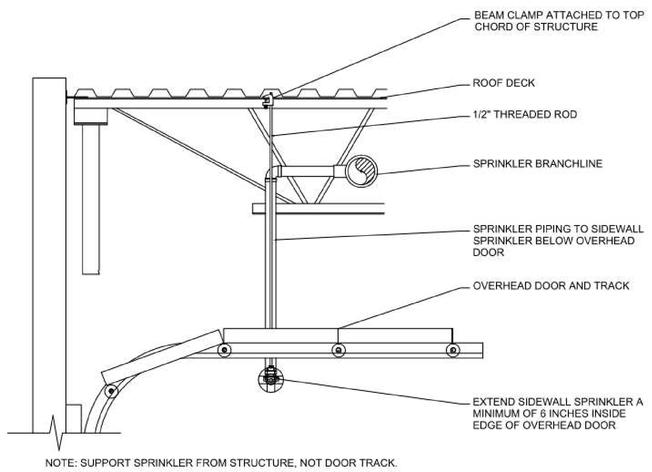
FIRE SPRINKLER PIPING

- FP — FIRE PROTECTION (FP)
- SHUTOFF VALVE
- CHECK VALVE
- BACKFLOW PREVENTER
- CAP
- ELBOW UP
- ELBOW DOWN
- TEE UP
- TEE DOWN
- FIRE DEPARTMENT CONNECTION
- FIRE PUMP TEST HEADER
- INSPECTOR'S TEST CONNECTION / AUXILIARY DRAIN
- SPRINKLER RISER
- TOP BEAM CLAMP
- TRAPEZE HANGER

LINETYPE LEGEND

THROUGHOUT THE DRAWINGS DIFFERENT LINETYPES ARE USED IN COMBINATION WITH THE SYMBOLS TO INDICATE THE STATUS OF ITEMS AS EXISTING, TO BE DEMOLISHED, TO BE INCLUDED AS PART OF NEW WORK AND/OR ITEMS WHICH ARE ANTICIPATED TO BE PROVIDED IN THE FUTURE. THE STATUS OF ITEMS USING THESE LINETYPES ARE RELATIVE TO THE VIEW IN WHICH THEY APPEAR. PHASING SHOWN IN DRAWINGS IS NOT INTENDED TO FULLY DESCRIBE ALL NECESSARY CONSTRUCTION PHASING, WHICH IS DETERMINED BY THE CONTRACTOR AS PART OF THEIR RESPONSIBILITIES. ANY SUCH PHASES DESCRIBED IN THE CONSTRUCTION DOCUMENTS ARE GENERAL AND ONLY INTENDED TO INDICATE A BROAD ORDER FOR THE SAKE OF DESCRIBING THE PROJECT. THE FOLLOWING LINETYPES MAY BE USED ON ANY DEVICE, EQUIPMENT, NOTE, LINE, SHAPE, ETC.

EXISTING	NEW
DEMOLISH — — — — —	FUTURE - - - - - - - -



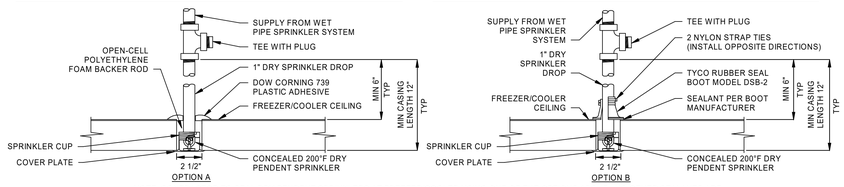
3 OVERHEAD DOOR SPRINKLER DETAIL
NTS

OPTION "A" INSTALLATION PROCEDURE

1. CORE DRILL 2 1/2" DIAMETER HOLE IN THE FREEZER/COOLER INSULATED CEILING PANEL. LOCATE HOLE AND REQUIRED SPRINKLER PROTECTION IN ACCORDANCE WITH NFPA 13 OBSTRUCTION CRITERIA (SSP TYPE SPRINKLERS). MAINTAIN 6" CLEARANCE FROM COOLER SEAMS.
2. INSTALL DRY PENDENT SPRINKLER PER MANUFACTURERS INSTALLATION REQUIREMENTS.
3. COMPLETELY FILL ANNULAR CEILING OPENING BETWEEN THE ESCUTCHEON AND TOP OF CEILING PANEL WITH OPEN-CELL POLYETHYLENE FOAM BACKER ROD. EXPANDED FOAM IS NOT PERMITTED.
4. INJECT DOW CORNING 739 PLASTIC ADHESIVE SEALANT INTO AND AROUND THE TOP OF THE FREEZER/COOLER CEILING CORE OPENING IN ACCORDANCE WITH SEALANT MANUFACTURERS INSTRUCTIONS

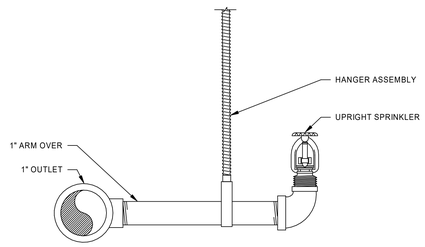
OPTION "B" INSTALLATION PROCEDURE

1. CORE DRILL 2 1/2" DIAMETER HOLE IN THE FREEZER/COOLER INSULATED CEILING PANEL FROM BELOW. LOCATE HOLE AND REQUIRED SPRINKLER PROTECTION IN ACCORDANCE WITH NFPA 13 OBSTRUCTION CRITERIA (SSP TYPE SPRINKLERS). MAINTAIN 6" CLEARANCE FROM COOLER SEAMS.
2. INSTALL TYCO DRY PENDENT SPRINKLER PER MANUFACTURERS INSTALLATION REQUIREMENTS. INSERT BOOT PRIOR TO MAKE-UP WITH PIPING.
3. COMPLETELY SEAL INTERFACE BETWEEN BOOT FLANGE AND TOP OF FREEZER/COOLER PANEL WITH ADHESIVE PROVIDED WITH BOOT IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
4. APPLY STRAP TIES ON BOOT AROUND DRY SPRINKLER BARREL PER MANUFACTURERS INSTRUCTIONS.



NOTE: CONTRACTOR TO SEAL DRY PENDENT SPRINKLERS AT FREEZER/COOLER USING ONE OF THE OPTIONS ABOVE. NO OTHER SEALANTS ARE PERMITTED.

2 COOLER/FREEZER DRY CONCEALED PENDENT
NTS



PROVIDE HANGER WHEN ARMOVER LENGTH EXCEEDS 24 INCHES.

ARRANGEMENT SHOWN IS SCHEMATIC. MODIFY TO SUIT CONDITIONS AND MEET APPLICABLE CODE REQUIREMENTS.

1 UPRIGHT SPRINKLER
NTS

REVISION	DATE BY

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EXPIRES 12/31/2020

PROFESSIONAL SEAL

Oct 23 2020
CHRISTOPHER J. CULP
LICENSE # PE-2013037646

LOCATION
LEE'S SUMMIT, MO #2
310 SW WARD RD

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
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Hy-Vee® EMPLOYEE OWNED

NORTH PLAN NORTH

FIRE PROTECTION NOTES AND SYMBOLS

PROJECT MANAGER	CHECKED BY:
SL	HEI
DRAWN BY:	DATE:
JE	10/19/2020
SCALE:	JOB NUMBER:
AS NOTED	62930547

SHEET:

FP0.0

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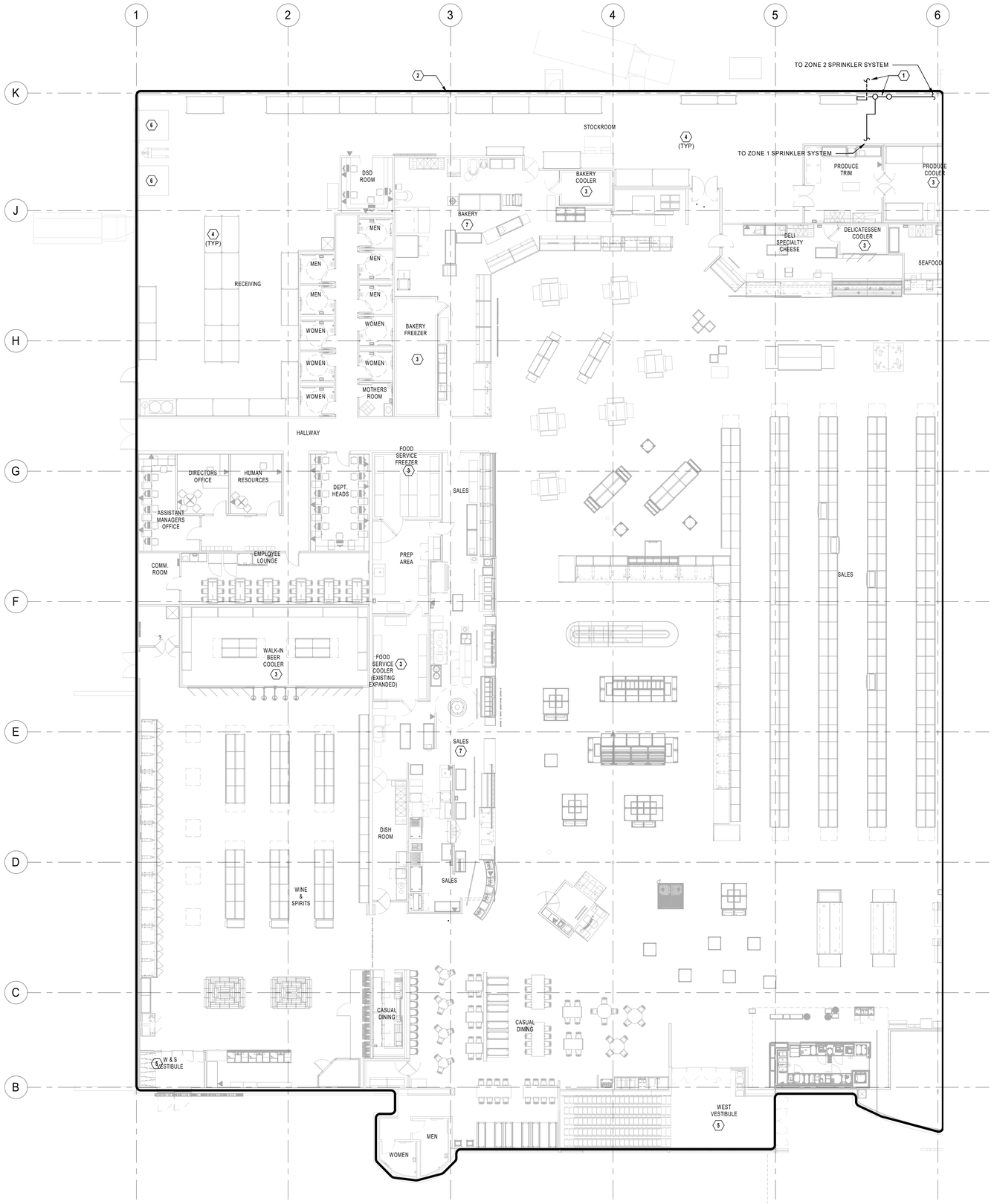

1 FIRE PROTECTION PLAN - PART A
3/32" = 1'-0"

FIRE PROTECTION PLAN NOTES

1. EXISTING FIRE SPRINKLER RISER ENTRY LOCATION.
2. MODIFY EXISTING FIRE SPRINKLER LAYOUT AND PIPING IN ALL REMODELED AREAS TO PROVIDE REQUIRED COVERAGE PER NFPA 13 REQUIREMENTS. ADD/RELOCATE/REMOVE SPRINKLER EQUIPMENT AS REQUIRED.
3. PROVIDE DRY PENDENT TYPE SPRINKLERS WITHIN COOLER/FREEZERS. REFER TO SPECIFICATIONS AND DETAILS FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION OF SPRINKLER AT COOLERS/FREEZERS WITH LIGHTS, EVAPORATORS AND OTHER OBSTRUCTIONS. NOTE THAT FINAL LIGHT AND EVAPORATOR LOCATIONS MAY DIFFER FROM THOSE SHOWN ON PLANS. REF 2-FP0.0
4. BACK OF HOUSE/RECEIVING AREA HIGH PILED STORAGE. MODIFY SPRINKLER SYSTEM AS REQUIRED TO PROVIDE SPRINKLER COVERAGE PER NFPA 13 STORAGE CRITERIA REQUIREMENTS.
5. PROVIDE DRY PENDENT SPRINKLERS AT VESTIBULE AREAS.
6. PROVIDE SPRINKLER PROTECTION BELOW OVERHEAD DOOR AS REQUIRED PER NFPA 13. PIPING SHALL BE SUPPORTED FROM BUILDING STRUCTURE, NOT DOOR TRACKS. REF 3-FP0.0
7. COORDINATE TEMPERATURE RATING OF SPRINKLERS NEAR HEAT PRODUCING SOURCES IN ACCORDANCE WITH NFPA 13 FOR ANTICIPATED AMBIENT CEILING TEMPERATURES.

REVISION	DATE BY

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EXPIRES 12/31/2020

PROFESSIONAL SEAL

STATE OF MISSOURI
CHRISTOPHER J. CULP
NUMBER PE-2013037646
PROFESSIONAL ENGINEER

Oct 23 2020
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hyvee® EMPLOYEE OWNED

NORTH PLAN NORTH

FIRE PROTECTION FLOOR PLAN - PART A

PROJECT MANAGER	CHECKED BY:
SL	HEI
DRAWN BY:	DATE:
JE	10/19/2020
SCALE:	JOB NUMBER:
AS NOTED	62930547

SHEET:
FP1.0

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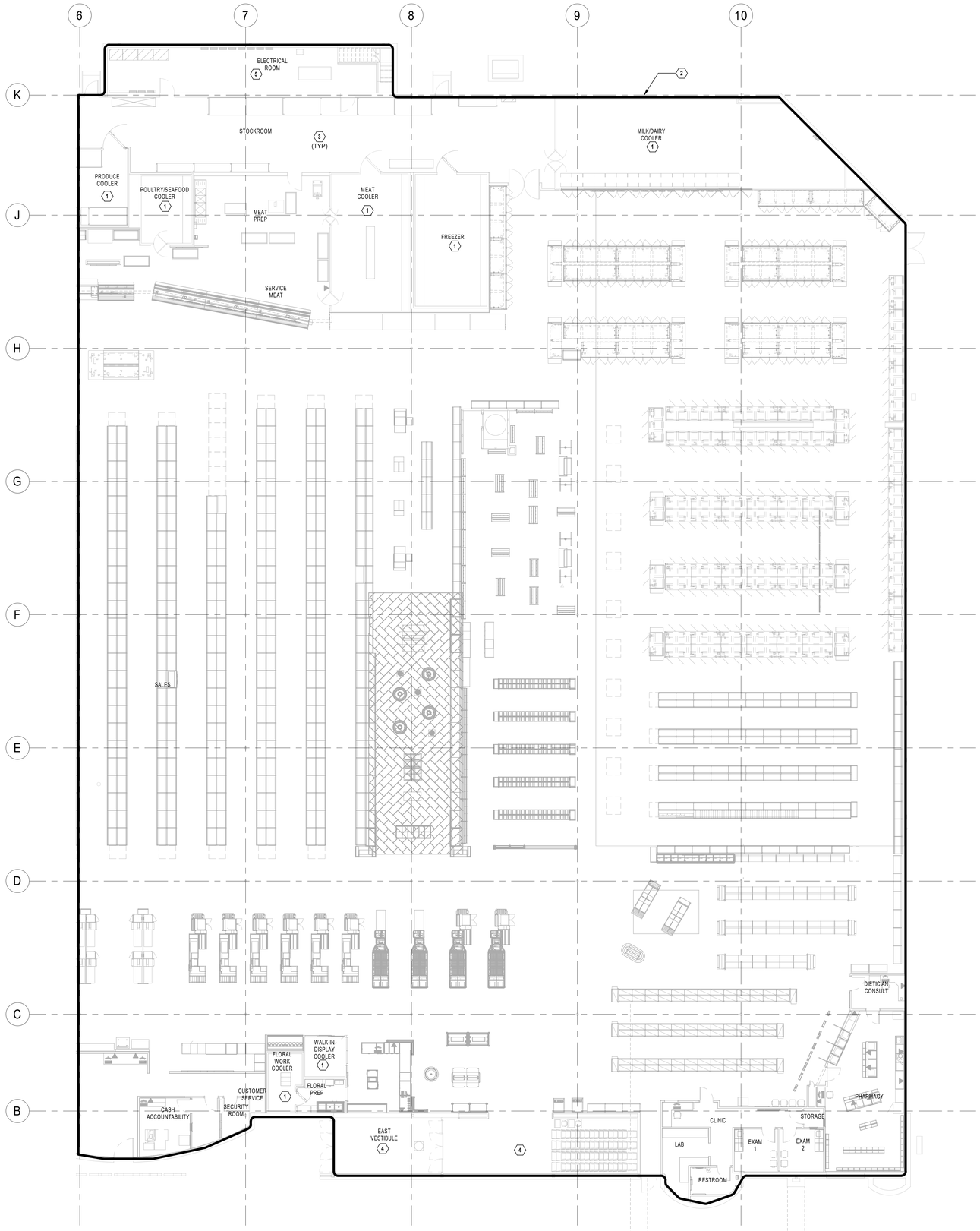

1 FIRE PROTECTION PLAN - PART B
3/32" = 1'-0"

FIRE PROTECTION PLAN NOTES

1. PROVIDE DRY PENDENT TYPE SPRINKLERS WITHIN COOLER/FREEZERS. REFER TO SPECIFICATIONS AND DETAILS FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION OF SPRINKLER AT COOLERS/FREEZERS WITH LIGHTS, EVAPORATORS AND OTHER OBSTRUCTIONS. NOTE THAT FINAL LIGHT AND EVAPORATOR LOCATIONS MAY DIFFER FROM THOSE SHOWN ON PLANS. REF 2-FP0.0
2. MODIFY EXISTING FIRE SPRINKLER LAYOUT AND PIPING IN ALL REMODELED AREAS TO PROVIDE REQUIRED COVERAGE PER NFPA 13 REQUIREMENTS. ADD/RELOCATE/REMOVE SPRINKLER EQUIPMENT AS REQUIRED.
3. BACK OF HOUSE/RECEIVING AREA HIGH PILED STORAGE. MODIFY SPRINKLER SYSTEM AS REQUIRED TO PROVIDE SPRINKLER COVERAGE PER NFPA 13 STORAGE CRITERIA REQUIREMENTS.
4. PROVIDE DRY PENDENT SPRINKLERS AT VESTIBULE AREAS.
5. DO NOT ROUTE SPRINKLER PIPING ABOVE ELECTRICAL DISTRIBUTION EQUIPMENT.

REVISION	DATE BY

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Hy-Vee EMPLOYEE OWNED

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FIRE PROTECTION FLOOR PLAN - PART B

PROJECT MANAGER	CHECKED BY:
SL	HEI
DRAWN BY:	DATE:
JE	10/19/2020
SCALE:	JOB NUMBER:
AS NOTED	62930547

SHEET:
FP1.1

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