

RATE TO LIMIT SURGES IN SYSTEM; AND PROVISION OF WORK STAFF DEDICATED TO MONITORING THE IMPACTED SYSTEM AREA DURING PRESSURE APPLICATION AND DURING HYDROSTATIC TEST FOR SIGNS OF SYSTEM COMPROMISE (MINIMUM 1 PERSON / 20,000 SQ. FT. AREA); AND MAINTAINING DEDICATED PERSON AT SYSTEM CONTROL VALVE IN CONSTANT COMMUNICATION WITH SYSTEM MONITORS TO SHUT OFF TEST PUMP AND DRAIN SYSTEM IN EVENT OF SYSTEM FAILURE OR . PROVISION OF READY SUPPLIES PRIOR TO START OF TESTING TO FACILITATE DAMAGE MINIMIZATION IN EVENT OF SYSTEM FAILURE (TARPS / PLASTIC SHEETING, WET / DRY VACUUM ETC.); AND COVERING HIGH VALUE EQUIPMENT PRIOR TO TESTING; AND LIMITATION OF TESTING TO ONE SYSTEM AT A TIME; AND

 ${
m flash}$  post—scope testing at no additional cost to walmart. When conducting hydrostatic testing

ON EXISTING SYSTEMS AS REQUIRED BY NFPA 13, CONTRACTOR SHALL TAKE SUCH ACTIONS AS MAY BE

NECESSARY TO REDUCE POTENTIAL DAMAGE TO CONTENTS AND BUILDING DURING EXECUTION OF SCOPE

USE OF LOW CAPACITY PRESSURE PUMP TO INCREASE PRESSURE IN SYSTEM AT INCREMENTAL

OF WORK, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

7. TESTING OF SYSTEMS DURING OFF HOURS / OVERNIGHT.

					, , ,	<i></i>		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\					
YMBOL	SIZE	K-FACTOR	FINISH	MFR	MAKE	S.L.N.	TEMP	STYLE	QTY	SPARE QTY	ESCH STYLE	ESCH FINISH	ESCH QTY
<b>&amp;</b>	3/4"	11.2	BRASS	TYCO	ELO-231 FRB	TY5131	155	UPRIGHT	36	6			
SUBSTITUTIONS WILL NOT BE PERMITTED. REFERENCE SPECIFICATIONS APPENDIX B FOR ADDITIONAL INFORMATION.													
* INTERMEDIATE TEMPERATURE SPRINKLERS TO BE FURNISHED BY OWNER FOR INSTALLATION BELOW SKYLIGHTS.													
**HIGH TEMPERATURE SPRINKLERS TO BE FURNISHED BY OWNER FOR INSTALLATION AROUND UNIT HEATERS.													
THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE TO OWNER FURNISHED SPRINKLERS DURING INSTALLATION. TO REPLACE DAMAGED SPRINKLERS CONTACT HAINES, JONES, CADBURY 1-800-459-7099.													
THE OWNER WILL FURNISH ADDITIONAL (OWNER-FURNISHED) SPRINKLERS FOR THE SPARES CABINET. INSTALL SPARE SPRINKLER QUANTITY INDICATED ON CONTRACT DOCUMENTS PRIOR TO FIRE PROTECTION CONSULTANT SITE OBSERVATION.													
IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY AND COMPARE THE QUANTITY AND SIZE OF EXISTING SPRINKLER OUTLETS WITH THE PROPOSED NEW SPRINKLERS PRIOR TO ORDERING OWNER FURNISHED SPRINKLERS. ADDITIONAL SPRINKLERS AND FITTINGS MAY BE REQUIRED AT NO ADDITIONAL COST TO THE OWNER.													
AUTOMATIC FIRE SPRINKLER LEGEND  NOTE: NO O-RING SPRINKLERS ARE TO BE USED ON THIS PROJECT													

SYMBOL MFR MODEL S.I.N. STYLE FINISH ESC TEMP K-FAC TOTAL

◆ | TYCO | DS2 | TY5255 | DRY | CHROME | FLUSH | 200° | 11.2 | 10

OPTION "A" INSTALLATION PROCEDURE

CORE DRILL 2 1/2" DIAMETER HOLE IN THE FREEZER/COOLER INSULATED

CEILING PANEL. LOCATE HOLE AND REQUIRED SPRINKLER PROTECTION IN

MAINTAIN 6" CLEARANCE FROM COOLER SEAMS.

WITH SEALANT MANUFACTURERS INSTRUCTIONS

OPTION A

EXPANDED FOAM IS NOT PERMITTED.

OPEN-CELL

POLYETHYLENE

SPRINKLER CUP

FOAM BACKER ROD-

ACCORDANCE WITH NFPA 13 OBSTRUCTION CRITERIA (SSP TYPE SPRINKLERS).

INSTALL TYCO DRY PENDENT SPRINKLER PER MANUFACTURERS INSTALLATION

. COMPLETELY FILL ANNULAR CEILING OPENING BETWEEN THE ESCUTCHEON AND

INJECT DOW CORNING 739 PLASTIC ADHESIVE SEALANT INTO AND AROUND

THE TOP OF THE FREEZER/COOLER CEILING CORE OPENING IN ACCORDANCE

SUPPLY FROM WET

TEE WITH PLUG

SPRINKLER DROP

- DOW CORNING 739

PLASTIC ADHESIVE

FREEZER/COOLER

TYCO MODEL TY5255

FLUSH 200°F DRY

PENDENT SPRINKLER

(NO SUBSTITUTIONS)

CEILING

PIPE SPRINKLER SYSTEM

TOP OF CEILING PANEL WITH OPEN-CELL POLYETHYLENE FOAM BACKER ROD.

	SYMBOL LEGEND		SCOPE OF WORK	
SYMBOL	DESCRIPTION	1.	CONTRACTOR TO FIELD VERIFY EXTENT OF WORK.  THE EXISTING FIRE SPRINKLER SYSTEMS WIL	
xx	DEMO PIPING	2.	BE MODIFIED AS INDICATED ON THE PROJEC CONTRACT DOCUMENTS. THE SCOPE OF WO	
	EXISTING BRANCH LINE TO REMAIN		MAY INCLUDE THE MODIFICATION OF EXISTIN BRANCHLINES, INSTALLATION OF NEW	
	EXISTING MAIN LINE TO REMAIN		BRANCHLINES, MODIFICATION OF EXISTING RISER(S), THE REMOVAL AND INSTALLATION NEW SPRINKLERS MODIFICATION OF EXISTING	
	BRANCH LINE TO BE INSTALLED		NEW SPRINKLERS, MODIFICATION OF EXISTING MAINS, INSTALLATION OF NEW MAINS, REPLACEMENT OF THE EXISTING BACKFLOW	
Ø	DEMO SPRINKLERS	3.	PREVENTOR. ALL NEW PIPING SHALL HAVE HANGERS	
•	EXISTING ROOF LEVEL SPRINKLERS		INSTALLED IN ACCORDANCE TO THE DETAILS LOCATED ON THE FIRE PROTECTION DETAILS SHEET.	
•	EXISTING PENDENT SPRINKLERS	4.	ALL 1—INCH ARMOVERS (IF APPLICABLE) SH HAVE A HANGER SECURED TO THE	
	EXISTING DRY PENDENT SPRINKLERS		STRUCTURAL STEEL ONLY, NOT TO THE DEC WHEN THE LENGTH EXCEEDS 2'-0" WHERE	
$\bigcirc$	1" OUTLET WITH ARM-OVER TO NEW PENDENT SPRINKLER		STATIC PRESSURES ARE UP TO 100 PSI ANI 1'-0" WHERE STATIC PRESSURES EXCEEDS PSI.	
	NEW DRILLED 1" MECHANICAL TEE WITH ARM-OVER TO NEW PENDENT SPRINKLER	5.	WHEN REQUIRED, EARTHQUAKE BRACING SH. BE INSTALLED. REFERENCE EARTHQUAKE	
}	PLUG EXISTING OUTLET	6	BRACING NOTES AND DETAILS LOCATED ON THE FIRE PROTECTION DETAILS SHEET. CEILING GRID SHALL BE PERMITTED TO BE	
	SHEET INDEX	0.	REMOVED IN AREAS WHERE REQUIRED IN ORDER TO COMPLETE THE WORK NEEDED S AS DEMO AND INSTALLATION OF NEW MAIN OR LONG DROPS. IN THIS CASE THE	
SHEET NUMBER	SHEET NAME		CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING DAMAGED CEILING TILE OR GRID DURING THE INSTALLATION. ALL REMOVED CEILING TILES MUST BE REPLACED AT THE I	
FP1	FIRE SPRINKLER SITE PLAN		OF BUSINESS DAY. AREAS LEFT EXPOSED	

FP2 FIRE SPRINKLER REMODEL PIPING PLAN

SUPPLY FROM WET

-2 NYLON STRAP TIES

TYCO RUBBER SEAL

BOOT MODEL DSB-1

-SEALANT PER BOOT

TYCO MODEL TY5255

FLUSH 200°F DRY

PENDENT SPRINKLER

(NO SUBSTITUTIONS)

MANUFACTURER

(INSTALL OPPOSITE DIRECTIONS)

TEE WITH PLUG

PIPE SPRINKLER SYSTEM

OPTION "B" INSTALLATION PROCEDURE

. CORE DRILL 2 1/2" DIAMETER HOLE IN THE FREEZER/COOLER INSULATED

CEILING PANEL LOCATE HOLE AND REQUIRED SPRINKLER PROTECTION IN

REQUIREMENTS. INSERT BOOT PRIOR TO MAKE-UP WITH PIPING.

COMPLETELY SEAL INTERFACE BETWEEN BOOT FLANGE AND TOP OF

FREEZER/COOLER PANEL WITH ADHESIVE PROVIDED WITH BOOT IN

APPLY STRAP TIES ON BOOT AROUND DRY SPRINKLER BARREL PER

OPTION E

MAINTAIN 6" CLEARANCE FROM COOLER SEAMS.

ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.

MANUFACTURERS INSTRUCTIONS.

SPRINKLER DROP-

FREEZER/COOLER

SPRINKLER CUP

CEILING -

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

FREEZER/COOLER DRY PENDENT SPRINKLER

ACCORDANCE WITH NFPA 13 OBSTRUCTION CRITERIA (SSP TYPE SPRINKLERS).

INSTALL TYCO DRY PENDENT SPRINKLER PER MANUFACTURERS INSTALLATION

2. 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. 3. ALL NEW PIPING SHALL HAVE HANGERS INSTALLED IN ACCORDANCE TO THE DETAILS LOCATED ON THE FIRE PROTECTION DETAILS

4. 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

5. WHEN REQUIRED, EARTHQUAKE BRACING SHALL BE INSTALLED. REFERENCE EARTHQUAKE BRACING NOTES AND DETAILS LOCATED ON THE FIRE PROTECTION DETAILS SHEET. 6. CEILING GRID SHALL BE PERMITTED TO BE

REMOVED IN AREAS WHERE REQUIRED IN ORDER TO COMPLETE THE WORK NEEDED SUCH AS DEMO AND INSTALLATION OF NEW MAINS OR LONG DROPS. IN THIS CASE THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING DAMAGED CEILING TILE OR GRID DURING THE INSTALLATION. ALL REMOVED CEILING TILES MUST BE REPLACED AT THE END OF BUSINESS DAY. AREAS LEFT EXPOSED SUCH AS BUT NOT LIMITED TO REMOVED CEILING GRID AND CEILING TILES SHALL NOT BE PERMITTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PURCHASING AND INSTALLING MATCHING

THAT HAVE EMPTY HOLES DUE TO SPRINKLER REPLACEMENT. USE EACH EXISTING OUTLETS FOR ONE NEW ARM OVER TO NEW SPRINKLER LOCATION UNLESS HYDRAULICALLY CALCULATED. CONTRACTOR SHALL INSTALL 1" INCH MECHANICAL TEES IF ADDITIONAL OUTLETS ARE REQUIRED. AFTER THE DEMOLITION IS COMPLETE, THE NEW SPRINKLER SYSTEM SHALL

CEILING TILES TO REPLACE ANY CEILING TILES

MEET ALL REQUIREMENTS OF NFPA 13. CONTRACTOR SHALL PROVIDE NEW SPRINKLERS AS NECESSARY DUE TO PAINT, DAMAGE, ETC... CONTRACTOR SHALL COORDINATE. . THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE FIRE LANES DURING THE

STORE MANAGER A STAGING AREA FOR MATERIALS AND TOOLS TO BE USED FOR PROJECT PRIOR TO START OF WORK. . THE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING THE SHOP DRAWINGS, HYDRAULIC CALCULATIONS AND APPROVAL (BY THE ENGINEER OF RECORD AND

SPRINKLER SYSTEM UPGRADE PROCESS. THE

CONTRACTOR SHALL COORDINATE WITH THE

AHJ) AS WELL AS INSTALLATION. 12. 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 ENGINEER OF RECORD WILL SUBMIT FOR FIRE SPRINKLER PERMIT. IT WILL BE THE CONTRACTORS RESPONSIBILITY TO PAY AND

PICK UP THE FIRE SPRINKLER PERMIT ONCE APPROVED. . THE CONTRACTOR SHALL COORDINATE WITH THE STORE MANAGER ON THE AREA TO BE

WORKED ON AT LEAST 24 HOURS IN ADVANCE 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY CONTENT OR BUILDING COMPONENTS DUE TO CONTRACTOR NEGLIGENCE IN EXECUTION OF THE SCOPE OF WORK SHOWN IN CONTRACT DOCUMENTS. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO REDUCE POTENTIAL DAMAGE CONTENTS AND BUILDING DURING EXECUTION OF SCOPE OF WORK. WHERE POTENTIAL FOR DAMAGE TO CONTENTS OR BUILDING COMPONENTS IS CONSIDERED LIKELY DUE TO EXISTING SYSTEM CONDITION OR CONFIGURATIONS, CONTRACTOR SHALL DOCUMENT AND REVIEW CONCERNS WITH

WALMART CONSTRUCTION MANAGER PRIOR TO INITIATING AFFECTED WORK. 5. THE CONTRACTOR SHALL REPAIR ANY LEAKS OR REPLACE ANY LEAKING COMPONENTS AFFECTED BY THIS SCOPE OF WORK AT NO ADDITIONAL COST TO THE OWNER.

### GENERAL UNDERGROUND NOTES

- ALL UNDERGROUND IS SHOWN FOR HYDRAULIC REFERENCE ONLY.
- IF AVAILABLE. . NO NEW WORK UNLESS OTHERWISE NOTED.

. SEE CIVIL DRAWINGS FOR EXACT LOCATIONS

CONSIDERED DURING SHOP DRAWING PRODUCTION AND INSTALLATION; ADDITIONAL SPRINKLERS MAY BE REQUIRED AT NO ADDITIONAL COST TO OWNER. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. 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. SUBMIT A REQUEST FOR INFORMATION FOR QUESTIONS REGARDING THE FIRE PROTECTION DOCUMENTS. 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 THE AUTHORITY HAVING JURISDICTION. FIRE SPRINKLER PIPING

GENERAL NOTES

THE DESIGN SHOWN ON THESE CONTRACT

DOCUMENTS IS TO PROVIDE GUIDANCE FOR

BIDDING AND TO OBTAIN APPROVAL OF THE

COMPLETE FIRE SPRINKLER SHOP DRAWINGS

AS REQUIRED BY CONTRACT DOCUMENTS TO

DESIGN UPON THESE DRAWINGS AND AS

REQUIRED BY THE SPECIFICATIONS. SHOP

INFORMATION NECESSARY TO CLARIFY THE

INTENT OF INSTALLATION. CONTRACTOR SHALL

PROVIDE PIPE SIZE, SPRINKLER SPACING, AND

ALTERNATES MUST BE APPROVED IN WRITING

COORDINATE LOCATIONS OF FIRE PROTECTION

AND ELECTRICAL COMPONENTS. OBSTRUCTION

BY FIRE PROTECTION ENGINEER OF RECORD

COMPONENTS. INCLUDING PIPING, ALARMS,

ARCHITECTURAL, STRUCTURAL, MECHANICAL

DRAWINGS SHALL INCLUDE ELEVATIONS,

HANGER LOCATIONS, PIPE LENGTHS,

MATERIAL DATA, AND ADDITIONAL

DIMENSIONS, FABRICATIONS METHODS,

SYSTEM CONFIGURATION AS SHOWN.

DRAINS, TEST POINTS, ETC. WITH

TO SPRINKLER DISCHARGE MUST BE

DOCUMENTS PRIOR TO BID.

THE OWNERS DESIGNATED REVIEWER. BASE

AUTHORITY HAVING JURISDICTION. SUBMIT

# **DEMOLITION NOTES**

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 PROJECT. NO EXTRA COMPENSATION WILL BE PAID FOR LACK OF SUCH DETERMINATION, FAMILIARIZATION, AND/OR ALLOWANCE.

UNLESS INDICATED OTHERWISE, DISCONNECT AND REMOVE ALL EXISTING FIRE PROTECTION COMPONENTS NOT INTENDED TO BE REUSED. DISCONNECT, RELOCATE, AND RECONNECT EXISTING FIRE PROTECTION SYSTEMS AND

EQUIPMENT WHERE REQUIRED. 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. REMOVE ALL DEMOLITION MATERIALS AND

DEBRIS TO AN APPROVED DUMPING SITE AND CLEAN ALL FIRE PROTECTION WORK PRIOR THE PROJECT COMPLETION. 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. CONTRACTOR IS RESPONSIBLE FOR REPAIRING OR REPLACING ITEMS DAMAGED DURING

DEMOLITION AND CONSTRUCTION. CONTRACTOR SHALL PATCH ALL HOLES TO MATCH ADJACENT SURFACES LEFT UNUSED AFTER EXISTING SPRINKLER PIPING OR EQUIPMENT IS REMOVED AND VACATED FROM THESE HOLES. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING FIRE DEPARTMENT ACCESS ROADS THROUGHOUT THE PROJECT. SPRINKLER SYSTEMS NOT ASSOCIATED WITH THE DEMOLITION SHALL BE LEFT IN SERVICE

ALL WORK SHALL BE PERFORMED DURING OFF HOURS SO AS TO NOT INTERRUPT SERVICE. 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.

#### DIESEL FIRE PUMP RATED 80 PSI @ 1500 GPM WATER SUPPLY

EXISTING FIRE PUMP

INFORMATION

42 PSI AT 1839 GPM RESIDUAL INFORMATION DERIVED FROM WATER REPORT SUPPLIED BY: TELGIAN ENGINEERING & CONSULTING EFFECTIVE POINT OF WATER SUPPLY INFORMATION 8" FIRE SERVICE LEAD-IN SEE ADJACENT DETAIL 1/FP1

DATE OF TEST: 04/10/24 @ 8:30 AM FLOW TEST ELEVATION: 442' AMSL BUILDING PAD ELEVATION: 447' AMSL WATER SUPPLY INFORMATION IS FURTHER

REDUCED PER THE FOLLOWING:

10% (5 PSI) SAFETY FACTOR FOR JURISDICTIONA WATER SUPPLY TO BE USED FOR FIRE SPRINKLER DESIGN AT EFFECTIVE POINT:

RESIDUAL

37 PSI AT 1839 GPM

. 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.

GENERAL NOTES CONT.

CONTRACTOR MUST REVIEW ALL CONSTRUCTION DOCUMENTS PRIOR TO BID. SHOULD MODIFICATIONS TO THESE PLANS BECOME NECESSARY TO PROPERLY COORDINATE THE SYSTEM WITH ALL 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. CONTRACTOR MUST VERIFY ALL DROP DOWN LOCATIONS AT EXTERIOR WALLS WITH THE PROJECT MANAGER PRIOR TO INSTALLATION.

O. ALL PIPING MUST BE COORDINATED AROUND FRAMING MEMBERS AND PROPERLY INSTALLED INSIDE THE BAR JOIST. 1. 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. 2. 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

EW ROD EW ROD E END TH ENI GROO GROO GROOVI

SCRE ONE BOTH BY ( BY ( BY C × GF

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ATR CSR CSR TOE TYPE FY CON TYPE CON TY

STOPPED WITH APPROVED MATERIALS PER METHODS DESCRIBED BY THE UL FIRE RESISTANCE DIRECTORY. 5. PROVIDE FLUSHING CONNECTIONS IN ACCORDANCE WITH THE STANDARDS OUTLINED IN NFPA 1.3

CLEARANCES WITH APPROVED MASTIC.

4. PENETRATIONS OF ASSEMBLIES SHALL BE FIRE

16. PROVIDE ALL NECESSARY OFFSETS, RISES OR DROPS IN PIPING AND AUXILIARY DRAINS REQUIRED BY BUILDING CONDITIONS. 7. EXAMINE THE JOB CONDITIONS AND VERIFY ALL MEASUREMENTS, DISTANCES, ELEVATIONS, CLEARANCES, ETC.

18. ARCHITECTURAL AND ELECTRICAL BACKGROUND INFORMATION IS SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO THE CONTRACT DOCUMENTS FOR LOCATIONS, SIZES AND QUANTITIES OF OTHER TRADE

19. SPRINKLER SPACING TO BE PER NFPA 13. 20. INTERFACE SPRINKLER SYSTEM WITH FIRE PROTECTION SUPERVISORY SYSTEM. I. ALL MATERIALS SHALL BE UL LISTED AND FM APPROVED. SPRINKLERS SHALL BE TYCO HEADS. 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. 22. IF REQUIRED, PROVIDE 24 VOLT AC, ELECTRIC

BELL, MODEL NO. PBA248, 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 THAN 6 FEET ABOVE FINISH

23. ALL SPRINKLER SYSTEMS TO BE MODIFIED SHALL BE HYDROSTATICALLY TESTED PER NFPA 13 PRIOR TO SPRINKLER SYSTEM MODIFICATION AND SHALL BE RE-HYDROSTATICALLY TESTED AFTER COMPLETION OF WORK.

4. DO NOT HANG OR SUPPORT ANY LOADS OR MAKE ANY ATTACHMENTS TO THE METAL ROOF DECK OR JOIST BRIDGING. 5. SAMMY SCREWS ARE NOT PERMITTED. 26. CEILING FLANGES ARE NOT PERMITTED.

27. PROVIDE RETAINING STRAPS ON HANGERS WHERE REQUIRED. 28. 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. 29. WHERE THE DESIGN IS SHOWN TO REPLACE SPRINKLERS, IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THE SIZE OF THE EXISTING SPRINKLER FITTING PRIOR TO BID. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE NECESSARY FITTING(S) WHEN THE NEW SPRINKLER DIFFERS FROM THE EXISTING SPRINKLER CURRENTLY INSTALLED.

## APPLICABLE CODES

EDITION:

NFPA 13 NFPA 20 UL LLC TECHNICAL REPORT PROJECT 4789705078

FIRE CODE: 2021 INTERNATIONAL FIRE CODE 021 INTERNATIONAL BUILDING CODE

<u>NFPA STANDARD:</u>

### SEISMIC REQUIREMENTS

THE SPRINKLER CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS PER NFPA 13 "PROTECTION OF PIPING AGAINST DAMAGE WHERE SUBJECT TO EARTHQUAKES". THE SPRINKLER CONTRACTOR MUST ALSO TAKE INTO ACCOUNT THE LIMITATIONS OF THE STRUCTURAL ELEMENTS PRIOR TO SIZING, FASTENING AND/OR LOCATING SEISMIC ASSEMBLIES. RESTRAINTS, ETC. ON THEIR PLANS. STRUCTURAL REQUIREMENTS AND LIMITATIONS MAY BE MORE STRINGENT THAN NFPA.

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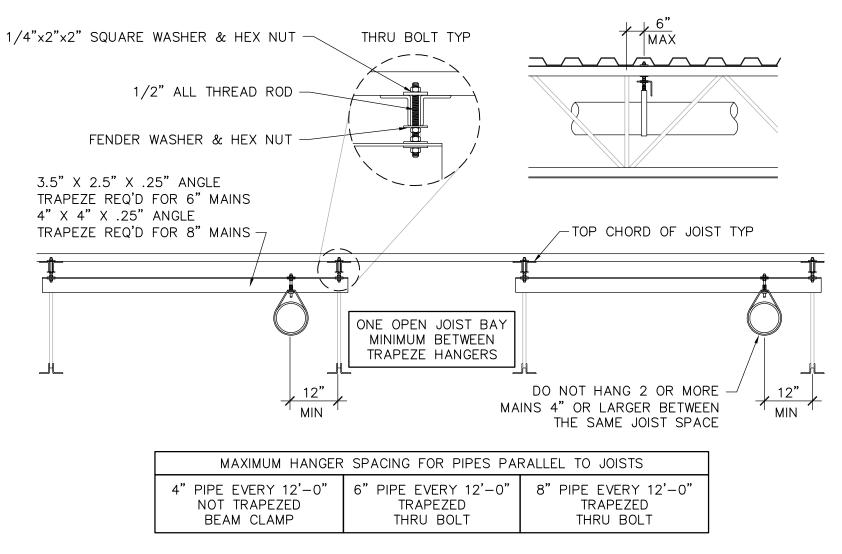
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-HANG 4 AND 6 INCH PIPE WITHIN 3 INCHES OF PANEL POINT PIPE 3 INCH AND SMALLER NOT REQUIRED TO BE WITHIN 3 INCHES OF PANEL POINT FOR 6 AND 8 INCH PIPE, USE THRU BOLT CONNECTION WHERE POSSIBLE. USE TRAPEZE HANGER WHERE JOIST PANEL POINTS TYP JOIST WEB CONFLICTS WITH THRU BOLT - DECK TYP -TOP\CHORD ─3.5" X 2.5" X/.25' -TOP BEAM CLAMP TYP MAINTAIN VISIBLE CLEARANCE BETWEEN PIPE AND JOIST MEMBERS TYP 4, 6 AND 8 INCH PIPE 6 INCH AND SMALLER PIPE 8 INCH PIPE MAXIMUM HANGER SPACING FOR PIPING PERPENDICULAR TO JOISTS BEAM CLAMP NOT TRAPEZED NOT TRAPEZED TRAPEZED 4" PIPE EVERY 12'-0" 4" PIPE EVERY 12'— 4" PIPE NOT NECESSARY EVERY OTHER JOIST EVERY OTHER JOIST

6" PIPE 6" PIPE EVERY 6'—0 " PIPE EVERY 12'—( NOT NECESSARY EVERY JOIST EVERY OTHER JOIST 8" PIPE EVERY 6'-0' 8" PIPE EVERY 6'-0" NOT ALLOWED EVERY JOIST EVERY JOIST

PIPE RUNNING PERPENDICULAR TO JOISTS



PIPE RUNNING PARALLEL TO JOIST

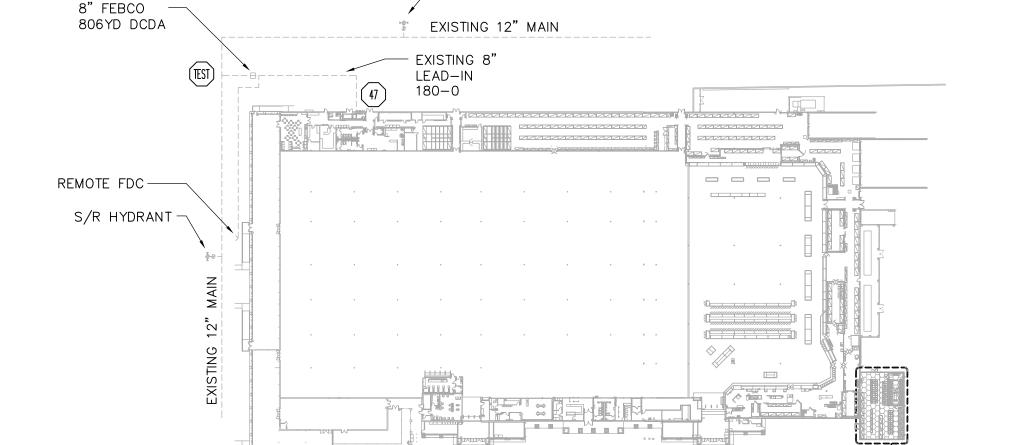
CONTRACTOR MAY SUBSTITUTE ANGLE IRON TRAPEZE | MEMBER WITH PIPE MEMBER. SIZE PIPE MEMBER IN ACCORDANCE WITH NFPA-13 AND MAINTAIN 12 INCH | | WITH SCHEDULE. LOCATE HANGERS WITHIN 3 INCHES MAXIMUM DEFLECTOR DISTANCE OF JOIST PANEL POINTS U.N.O.

NOTE: DO NOT SUPPORT SPRINKLER PIPING FROM BOTTOM CHORD OF BAR JOISTS

UTILIZE THESE HANGING METHODS FOR ALL SPRINKLER

PIPING. SPACE TRAPEZE HANGERS IN ACCORDANCE





- FLOW HYDRANT

City of Puyallup evelopment & Permitting Services **ISSUED PERMIT** Planning Public Works Engineering Traffic

City of Puyallup **REVIEWED FOR** COMPLIANCE **DDrake** 04/02/2025 9:52:32 AM

THE APPROVED CONSTRUCTION PLANS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.

Approval of submitted plans is not an the local government.

approval of omissions or oversight by this office or noncompliance with any applicable regulations of local government The contractor is responsible for making sure that the building complies with all applicable building codes and regulations of

310 31ST AVE S PUYALLUP, WA 98374

