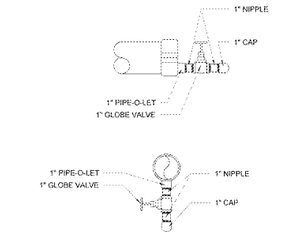
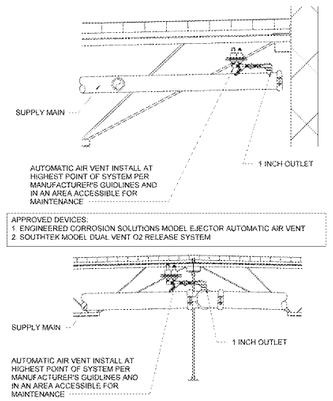


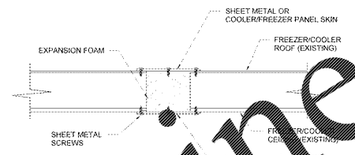
7 AUXILIARY DRAIN DETAIL
NTS



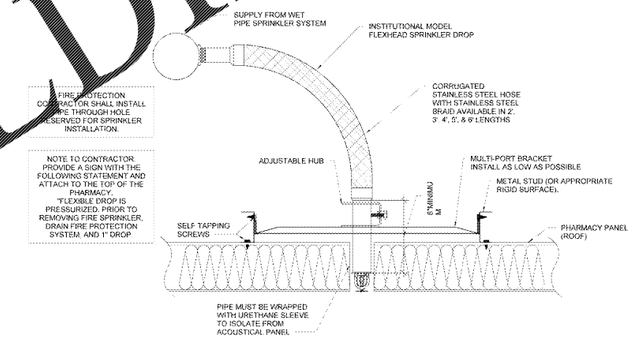
6 AIR RELEASE VENT DETAIL
NTS

PATCH PROCEDURE

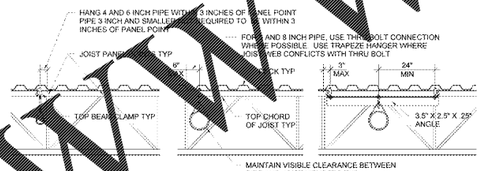
1. ATTACH FIRMLY (WITH SHEET METAL SCREWS OR EQUIVALENT) A PIECE OF COOLER/FREEZER METAL SKIN, SHEET METAL OR EQUIVALENT MATERIAL SIZED SLIGHTLY LARGER THAN THE HOLE TO BE PATCHED TO THE INSIDE OF THE COOLER/FREEZER.
2. FROM THE TOP OF THE COOLER/FREEZER, FILL HOLE(S) TO BE PATCHED COMPLETELY WITH THE EXPANSION FOAM. ALLOW THE FOAM TO COMPLETELY DRY.
3. TRIM OFF EXCESS FOAM FLUSH WITH TOP OF COOLER/FREEZER.
4. ATTACH FIRMLY (WITH SHEET METAL SCREWS OR EQUIVALENT) A PIECE OF COOLER/FREEZER METAL SKIN, SHEET METAL OR EQUIVALENT MATERIAL SIZED SLIGHTLY LARGER THAN THE HOLE, THAT IS NOW FILLED WITH THE EXPANDED FOAM, TO THE OUTSIDE/TOP OF THE COOLER/FREEZER.



5 FREEZER COOLER SPRINKLER PENETRATION PATCH
NTS



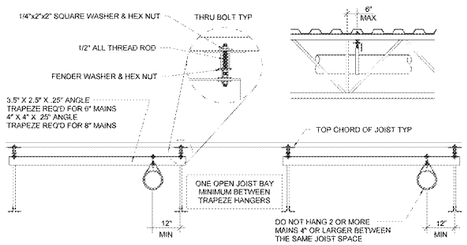
4 MODULAR PHARMACY SPRINKLER DETAIL
NTS



MAXIMUM HANGER SPACING FOR PIPING PERPENDICULAR TO JOISTS		
BEAM CLAMP NOT TRAPEZED	THRU-BOLT NOT TRAPEZED	BEAM CLAMP TRAPEZED
4" PIPE EVERY 12'-0" EVERY OTHER JOIST	4" PIPE EVERY 12'-0" EVERY OTHER JOIST	4" PIPE NOT NECESSARY
6" PIPE EVERY 6'-0" EVERY JOIST	6" PIPE EVERY 12'-0" EVERY OTHER JOIST	6" PIPE NOT NECESSARY
8" PIPE NOT ALLOWED	8" PIPE EVERY 6'-0" EVERY JOIST	8" PIPE EVERY 6'-0" EVERY JOIST

NOTE:
FOR PROJECTS REQUIRING SEISMIC BRACING CONTRACTOR MUST USE RETAINER STRAP IF TOP BEAM CLAMPS ARE USED FOR HANGER CONNECTION

PIPE RUNNING PERPENDICULAR TO JOISTS



MAXIMUM HANGER SPACING FOR PIPES PARALLEL TO JOISTS		
4" PIPE EVERY 12'-0" NOT TRAPEZED BEAM CLAMP	6" PIPE EVERY 12'-0" TRAPEZED THRU BOLT	8" PIPE EVERY 12'-0" TRAPEZED THRU BOLT

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 MAXIMUM DEFLECTOR DISTANCE

UTILIZE THESE HANGING METHODS FOR ALL SPRINKLER PIPING. SPACE TRAPEZE HANGERS IN ACCORDANCE WITH SCHEDULE. LOCATE HANGERS WITHIN 3 INCHES OF JOIST PANEL POINTS U.N.O.

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

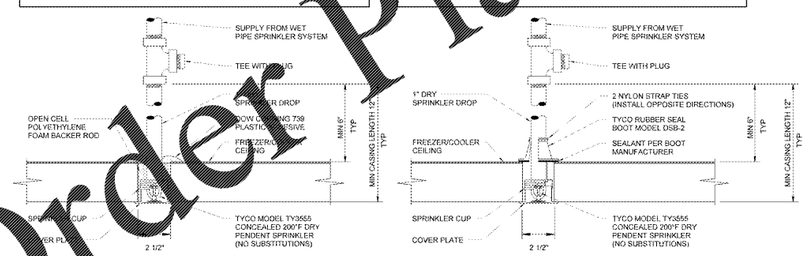
2 PIPE SUPPORT
NTS

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

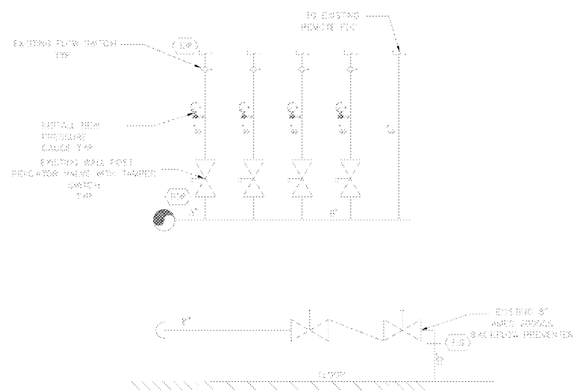
OPTION "B" INSTALLATION PROCEDURE

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
2. INSTALL TYCO DRY PENDENT SPRINKLER PER MANUFACTURERS INSTALLATION REQUIREMENTS. INSERT BOOT PRIOR TO MAKING UP WITH PIPING.
3. COMPLETELY SEAL INTERFACE BETWEEN BOOT AND EDGE AND TOP OF FREEZER/COOLER CEILING WITH ADHESIVE PROVIDED WITH BOOT IN ACCORDANCE WITH SEALANT MANUFACTURERS INSTRUCTIONS.
4. APPLY STRIPES OF SEALANT AROUND 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.

3 FREEZER/COOLER DRY PENDENT SPRINKLER
NTS



1 EXISTING SPRIKLER RISERS
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