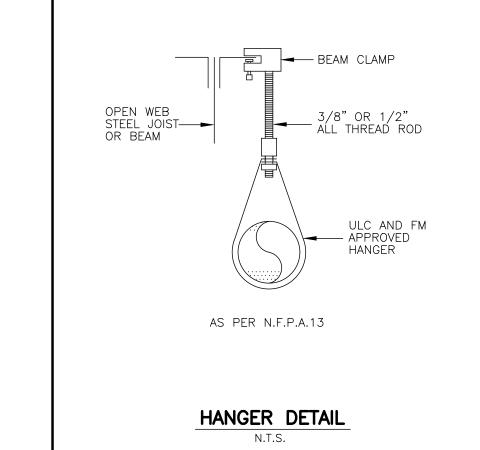


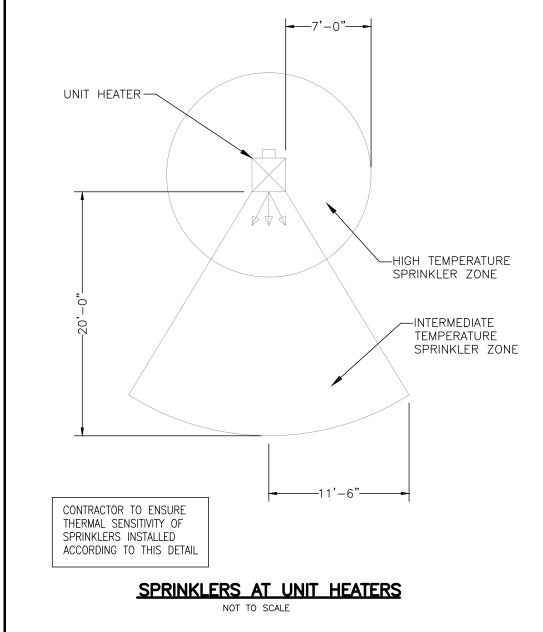
HANGER POSITIONING RULES:

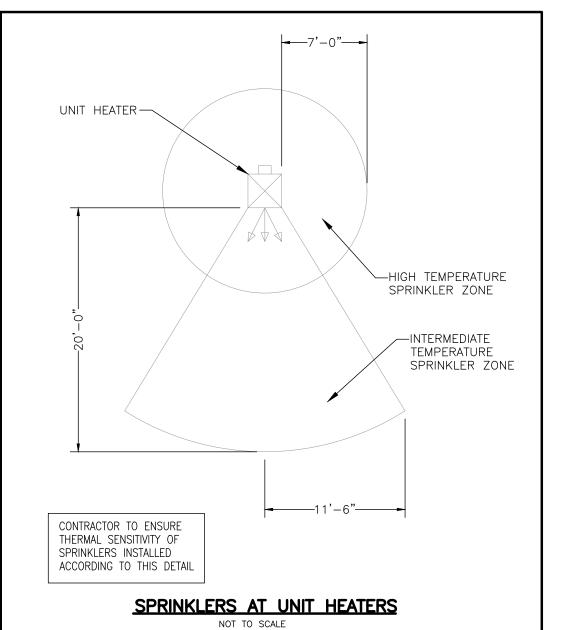
1. MINIMUM NUMBER OF HANGERS SHALL NOT BE LESS THAN ONE HANGER FOR EACH SECTION OF PIPE. 2. THE DISTANCE BETWEEN A HANGER & CENTERLINE OF AN UPRIGHT SPRINKLER HEAD SHALL NOT BE LESS THAN 3". 3. THE UNSUPPORTED LENGTH BETWEEN THE END SPRINKLER & THE LAST HANGER ON THE LINE SHALL NOT BE GREATER THAN 36" FOR 1" PIPE & 60" FOR 11/3" OR LARGER PIPE. 4. THE UNSUPPORTED LENGTH BETWEEN THE END SPRINKLER IN PENDENT POSITION OR DROP NIPPLE & THE LAST HANGER ON THE BRANCH LINE SHALL NOT BE GREATER THAN 12". 5. THE CUMULATIVE HORIZONTAL LENGTH OF AN UNSUPPORTED ARM OVER TO AN UPRIGHT SPRINKLER SHALL NOT EXCEED 24"OR 12" TO PENDENT

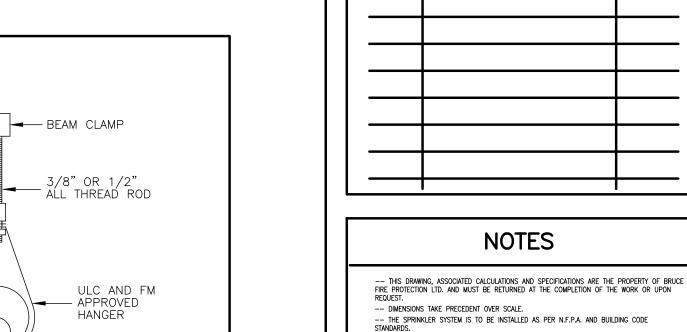
6. HANGERS FOR MAINS SHALL BE IN ACCORDANCE WITH TABLE 9.2.2.1 (a), BETWEEN EACH BRANCH LINE, OR ON EACH SECTION OF PIPE, WHICHEVER IS 7. RISERS SHALL BE SUPPORTED BY RISER CLAMPS OR BY HANGERS LOCATED ON THE HORIZONTAL CONNECTIONS WITHIN 24" OF THE CENTER LINE OF THE

HANGERS NOT SHOWN FOR CLARITY PURPOSES









-- CONTRACTOR TO INCLUDE FOR OFFSETS IN BRANCH LINES AND MAINS WHERE REQUIRED. -- ALL MATERIALS TO BE U.L.C. LISTED AND APPROVED BY LOCAL AUTHORITIES. -- CONTRACTOR TO ENSURE THAT PROPER HEAT IS PROVIDED IN ALL AREAS WITH WET PIPING, THA SUBJECT TO FREEZING TEMPERATURES. REPORT TO ENGINEER IS DISCREPANCY IS DISCOVERED. -- ALL PIPING MEASUREMENTS ARE GIVEN AS CENTER LINE TO CENTER LINE DIMENSIONS.

REVISIONS

-- ALL SUPERVISED VALVES, FLOW (PRESSURE) SWITCHES AND LOW PRESSURE MONITORING SWITCHES TO BE CONNECTED TO FIRE ALARM SYSTEM. (IF F.A.S. IS INSTALLED) -- CONTRACTOR TO VISIT SITE TO VERIFY ALL DIMENSIONS AND CONDITIONS AS INDICATED ON DRAWINGS. ANY MAJOR DISCREPANCIES TO BE REPORTED TO BRUCE FIRE PROTECTION PRIOR TO FABRICATION AND INSTALLATION -- Contractor to ensure that permit for installation have been received before commencing any work on site -- BRUCE FIRE PROTECTION LTD.'S LIABILITY, DIRECT OR INDIRECT, IS LIMITED TO THE FEE PAID

PERMIT

THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THE DESIGN, AND HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS SET OUT IN THE ONTARIO BUILDING CODE TO DESIGN THE WORK SHOWN ON THE ATTACHED DOCUMENT. QUALIFICATION INFORMATION
REQUIRED UNLESS DESIGN IS EXEMPT UNDER 2.17.5.1 OF
THE ONTARIO BUILDING CODE. REGISTRATION INFORMATION REQUIRED UNLESS DESIGN IS EXEMPT UNDER 2.17.5.1 OF THE ONTARIO BUILDING CODE. BRUCE FIRE PROTECTION LTD.

DESIGN CRITERIA

DESIGN AREA #1: SPRINKLER SYSTEM DESIGNED FOR LIGHT HAZARD OCCUPANCY WITH DISCHARGE DENSITY 0.1 GPM/SQ.FT OVER 900 SQ.FT AREA PLUS 100 GPM FOR HOSES AS PER NFPA 13 (2019)

DESIGN AREA #2: SPRINKLER SYSTEM DESIGNED FOR ORDINARY HAZÄRD GR.1 OCCUPANCY WITH DENSITY OF 0.15 GPM/SQ.FT OVER ENTIRE AREA PLUS 250 GPM FOR HOSES AS PER NFPA 13 (2019)

DESIGN AREA #3: SPRINKLER SYSTEM DESIGNED FOR ORDINARY HAZARD GR.2 OCCUPANCY WITH DENSITY OF 0.2 GPM/SQ.FT OVER DESIGN AREA 900 SQ.FT PLUS 250 GPM FOR HOSES AS PER NFPA 13 (2019)

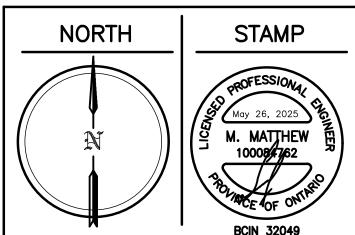
WATER SUPPLY INFORMATION Static Pressure: 85 psi Res. Pressure 81.5 psi @ 2222.4 gpm Flow Test Date: May 22, 2025

SEE SP1 FOR SPRINKLER HEAD SCHEDULE

FIREARMS OUTLET CANADA 725 WESTNEY RD. S.

ONTARIO

AJAX





Bruce Fire Protection Ltd Tel: 905 482 8099 400 Applewood Cres Fax: 905 581 3203 Toll Free: 1 800 260 0187 Vaughan, ON, L4K OC3 email: info1@brucefire.ca www.brucefire.ca

PROJECT

FIREARMS OUTLET CANADA 725 WESTNEY RD. S.

AJAX DWG TITLE

ISSUED FOR REVISION NO.

PROPOSED SECOND FLOOR SPRINKLER SYSTEM LAYOUT

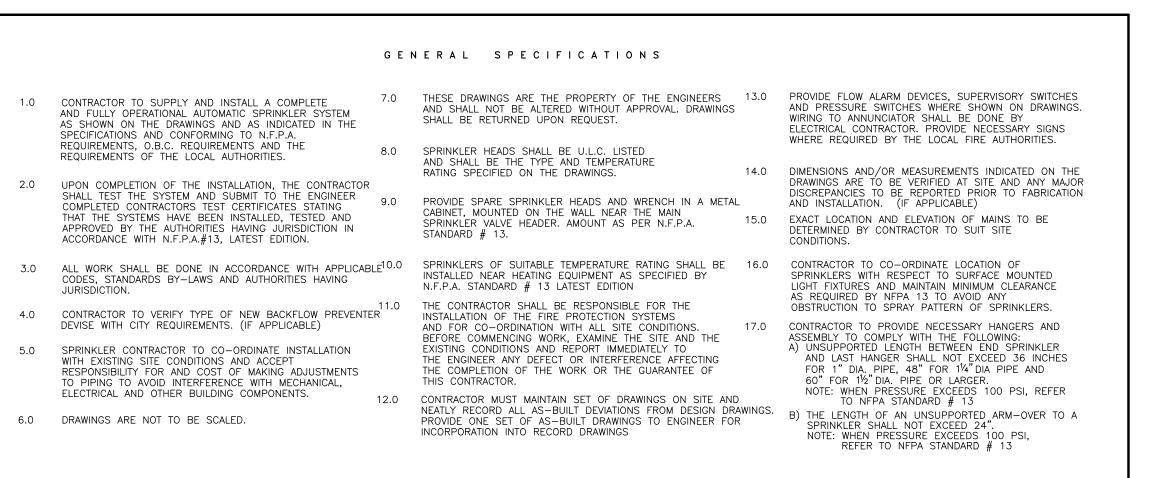
ONTARIO

PROJECT NO. MAY 2025

SCALE 1/8" = 1'-0"DWN BY VERIFIED BY

OF 2

SYSTEM GAUGE SYSTEM GAUGE SYSTEM GAUGE	TO FIDE	OTES SUPERVISED VALVES CONNECTED ALARM SYSTEM BY ELECTRICAL DIV. 16			
FLOW SWITCH SYSTEM	∐ ₩	*	*		
		4" BACKFLOW PREVENT (WATTS 75	57)	300000	EX. SIAMESE CONNECTIO



NOTE: ALL PIPING IS SCH 10 GROOVED, EXCEPT 1" - SCH 40.