

## NOTES:

- WATER SUPPLY INFORMATION: DONE BY: GENERAL SPRINKLERS INC. - AT: 2383 HIGHWAY 2

> – DATE: SEPTEMBER 20, 2022 – STATIC: 71 PSI - RESIDUAL: 849 USGPM @ 67 PSI 869 USGPM @ 66 PSI 1288 USGPM @ 62 PSI

CLARINGTON, ONTARIO

- DESIGN BASED ON N.F.P.A.-13, 2013 EDITION & O.B.C. 2012 EDITION. - ALL MATERIAL TO BE UL/ULC AND FM LISTED.

- ALL HANGERS TO BE INSTALLED AS PER NFPA 13, 2013 EDITION. - IN ALL LIGHT HAZARD OCCUPANCIES INSTALL QUICK RESPONSE SPRINKLER HEADS AS PER NFPA 13.

SPRINKLERS TO BE INSTALLED UNDER FIXED OBSTRUCTIONS (IN EXPOSED AREAS) OVER 48" IN WIDTH, AS PER NFPA 13. SPRINKLER DEFLECTORS TO BE MAX. 12" & 1" MIN FROM DECK IN EXPOSED DECK AREAS. INSTALL HIGH TEMPERATURE SPRINKLER HEADS WHERE LOCATED IN

ALL BRANCH LINES TO BE SIDE FED UNLESS NOTED OTHERWISE. - PIPING MATERIAL: — MAINS AND LINES TO BE SCHEDULE 10 PIPE (BLACK) FOR SIZES 1 1/2" & UP

- THREADED LINES TO BE SCHEDULE 40 PIPE (BLACK) FOR SIZE 1" · FITTING MATERIAL: — MAINS & LINES TO BE VICTAULIC GROOVED FITTINGS

· ALL DIMENSIONS ARE CENTRE TO CENTRE - TESTING IS TO OBC & NFPA 13 REQUIREMENTS

## HYDRAULIC CALCULATIONS: DESIGN CRITERIA AS PER NFPA 13 STANDARD

CALCULATION #1 - CALCULATION #2 SECOND FLOOR ZONE- FILE STORAGE SERVICE ZONE - SERVICE RECEPTION WET SYSTEM, C=120 WET SYSTEM, C=120 ORDINARY HAZARD GROUP 2 - ORDINARY HAZARD GROUP 1 - 0.20 USGPM<del>/SQ.FT.</del> OVER 900 SQ.FT. - 250 USGPM HOSE ALLOWANCE - 0.15 USGPM/SQ.FT. OVER 900 SQ.FT. - 250 USGPM HOSE ALLOWANCE

CALCULATION #3 SERVICE ZONE- SERVICE RECEPTION + WINDOW SPRINKLER ZONE WET SYSTEM, C=120

- ORDINARY HAZARD GROUP 1

SCOPE OF CONTRACT

SECOND FLOOR

DESIGNER

FILE NUMBER

APPROVAL

AS SHOWN

D023-167

JANUARY 2024

DRAWING NO. SP1/2

SCALE

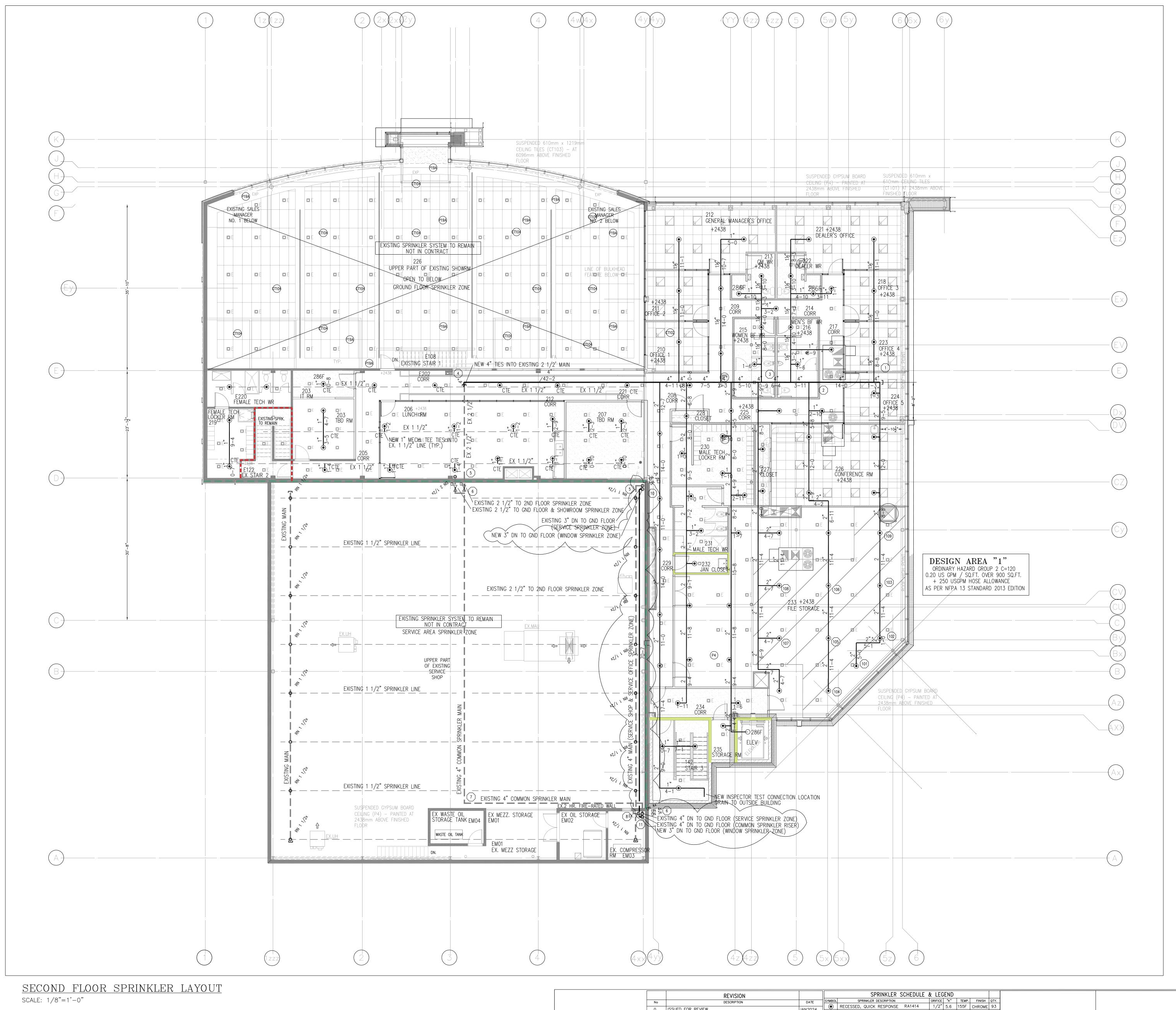
-> RENOVATION & NEW ADDITION

SPARE CABINET

0.15 USGPM/SQ.FT. OVER 900 SQ.FT. - 250 USGPM HOSE ALLOWANCE

(AS PER NFPA-13/3-2.9.3) -FOR UP TO 300 SPRINKLERS/SYSTEM 6 SPARE SPRINKLERS -FOR 300-1000 SPRINKLERS/SYSTEM 12 SPARE SPRINKLERS -OVER 1000 SPRINKLERS/SYSTEM 24 SPARE SPRINKLERS GROUND FLOOR 4" FIRE MAIN INCOMING A TEST

CLARINGTON TOYOTA 10 SPICER SQUARE BOWMANVILLE, ONTARIO, L1C 5M2 GROUND FLOOR SPRINKLER LAYOUT & DETAILS General Sprinklers Inc. 315 Deerhide Crescent, Unit 3, Weston, Ontario, CANADA M9M 2Z2



	REVISION		SPRINKLER SCHEDULE & LEGEND										
No	DESCRIPTION	DATE	SYMBOL	SPRINKLER DESCRIPTION		ORIFICE	<b>"</b> K"	TEMP.	FINISH	QTY.			
0	ISSUED FOR REVIEW	JAN2024	<b>O</b>	RECESSED, QUICK RESPONSE	RA1414	1/2"			CHROME	93			
1	FLOOR PLAN UPDATED	DEC2024		UPRIGHT, QUICK RESPONSE	RA1425	1/2"	5.6	286F	BRASS	1	╛.		
2	WINDOW SPRINKLER SYSTEM ADDED	JAN2025									<b>-</b>   • `	· · ·	
3	CEILING PLAN UPDATED	MAR2025		EXISTING SPRINKLER PIPING							<b>-</b> - • •	· Chemena	
4	ISSUED FOR BUILDING PERMIT	APRIL02,25									- · · · · · · · · · · · · · · · · · · ·	General	 z.o.
													_
	IMPORTANT										-	•	
TO PREVENT FREEZING OF WATER IN WET PIPE SPRINKLER PIPING,											_		
OWNERS TO PROVIDE SUFFICIENT HEAT THROUGHOUT AREAS WHERE SPRINKLER PIPES ARE INSTALLED, UNLESS AN ANTI—FREEZE SYSTEM.											4		
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CLARINGTON TOYOTA 10 SPICER SQUARE BOWMANVILLE, ONTARIO, L1C 5M2 SECOND FLOOR SPRINKLER LAYOUT General Sprinklers Inc. FILE NUMBER 315 Deerhide Crescent, Unit 3, Weston, Ontario, CANADA M9M 2Z2 DRAWING NO. SP2/2 PHONE (416) 748-1175 FAX (416) 748-1548

D023-167

JANUARY 2024