

# NOTES

THIS DRAWING ASSOCIATED CALCULATIONS AND SPECIFICATIONS ARE THE PROPERTY OF THE DESIGNER AND MUST BE RETURNED AT THE COMPLETION OF THE WORK OR UPON REQUEST. DIMENSIONS TAKE PRECEDENCE OVER SCALE. THE SPRINKLER SYSTEM IS TO BE INSTALLED AS PER N.F.P.A. STANDARD #13 AND O.B.C. STANDARDS. 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. UNDERGROUND WATER MAIN TO BE INSTALLED ACCORDING TO LOCAL AUTHORITIES AND INSURANCE CO. STANDARDS. IF APPLICABLE. INSTALL HIGH TEMPERATURE HEADS WHERE REQUIRED AS PER N.F.P.A. STANDARD #13. ALL INTERIOR GRID BRANCH LINE MEASUREMENTS ARE GIVEN AS CENTRE LINE TO CENTRE LINE DIMENSIONS. ALL OTHER BRANCH LINE MEASUREMENTS ARE GIVEN AS CENTRE LINE TO CENTRE LINE (SCH. 10 OR SCH. 40 PIPE). ALL MAIN MEASUREMENTS ARE GIVEN AS CENTRE LINE TO CENTRE LINE DIMENSIONS (SCH. 10 OR SCH. 40 PIPE). DENOTES DISTANCE FROM CENTRE LINE OF SPRINKLER PIPE TO FINISHED FLOOR. FIRE ELEVATION FOR HYDRAULIC CALCULATION ONLY. CONTRACTOR TO DETERMINE ACTUAL ELEVATION ON SITE. DENOTES REAR NIPPLE ON DENOTES DOWN. ALL SUPERHEATED 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 DETERMINE EXACT LOCATION AND ELEVATION OF MAINS (TO BE INSTALLED) AS INDICATED ON DRAWINGS. ANY MAJOR DISCREPANCIES TO BE REPORTED TO THE DESIGNER PRIOR TO FABRICATION AND INSTALLATION.

## NOTE

- CONTRACTOR TO COORDINATE WITH HVAC AND LIGHTING
- NEW SPRINKLER LINE
- NEW SPRINKLER MAIN
- N.C. DENOTES NEW CONNECTION
- S.R. DENOTES STANDARD RESPONSE
- Q.R. DENOTES QUICK RESPONSE
- N.L.C. DENOTES NOT IN CONTRACT
- H.T. DENOTES HIGH TEMPERATURE
- HYDRAULIC IDS POINT
- OWNER (OR OTHERS) TO PROVIDE ACTUAL HEAD IN ALL AREAS OF BUILDING. SUBJECT TO PRELIMINARY HEAD PROVIDED IN A KEY TYPE SPRINKLER SYSTEM
- ALL GLASS BULB TYPE SPRINKLERS TO BE OF RECENT ISSUE
- ANY FIRE STOPPING, ACUSTIC SEALANT AND MATERIALS USED IN THIS PROJECT MUST COME IN CONFORM WITH O.P.C. SPRINKLER PIPING IS TO BE COMPATIBLE WITH O.P.C. PIPING

## SUBMISSION

	ISSUED FOR PERMIT	DEC 07 2023
1.	ISSUED FOR TENDER	APR 30 2024
2.	CHANGED ONE SPRINKLER LOCATION, MOVE AND IDENTIFY THE LOCATION OF SPRINKLER REPER AS PER CLIENT AND CITY REQUEST	MAR 27 2025
3.	REVISED SPRINKLER LAYOUT TO SUIT NEW GROUND, SECOND AND THIRD FLOOR PLAN. SEE THE ACTUAL FLOOR FOR NEW SPRINKLER LOCATIONS IDENTIFIED IN CLOUD	MAR 28 2025
4.	ISSUED FOR TENDER	JAN 13 2026
5.		

## DESIGN CRITERIA

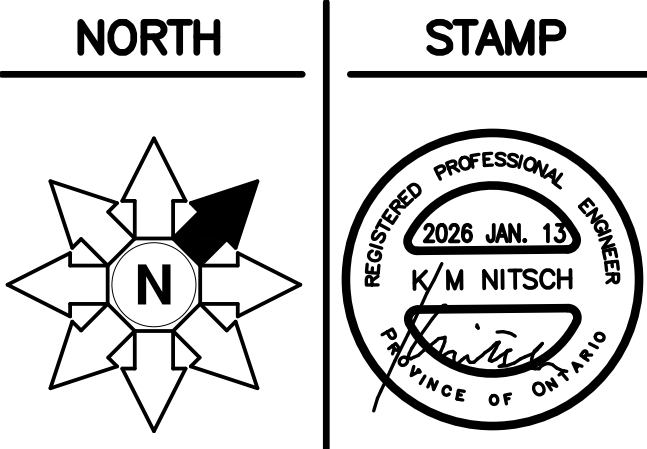
REFER TO SP3 & SP4

S/R=STANDARD RESPONSE Q/R=QUICK RESPONSE		
1/2" 15FT STANDARD COVERAGE UPRIGHT (K=5.6) Q/R	X	
1/2" 21FT STANDARD COVERAGE UPRIGHT (K=5.6) Q/R	X	
1/2" 15FT STANDARD COVERAGE FULLY CONCEALED PENDENT (K=5.6) Q/R	X	
1/2" 21FT STANDARD COVERAGE SIDEWALL (K=5.6) Q/R	X	
1/2" 15FT STANDARD RESPONSE DRY PENDENT	X	
WINDOW SPRINKLERS (K=5.6)	-	
3/4" 15FT EXTENDED COVERAGE SIDEWALL (K=5.6) Q/R	X	

HALTON DISTRICT SCHOOL BOARD  
J.W. SINGLETON EDUCATION CENTRE  
2050 GUELPH LINE  
BURLINGTON, ON. L7R 3Z2  
TEL: (905) 335-5863  
FAX: (905) 335-5802

**DEI**  
Consulting Engineers  
MECHANICAL ELECTRICAL PLUMBING

**DISANO DESIGN**  
80 HURONTARIO ST.  
SUITE 100  
MISSISSAUGA, ONTARIO L4V 1P4  
TEL: (905) 276-8888  
FAX: (905) 276-8889  
www.disanodesign.ca

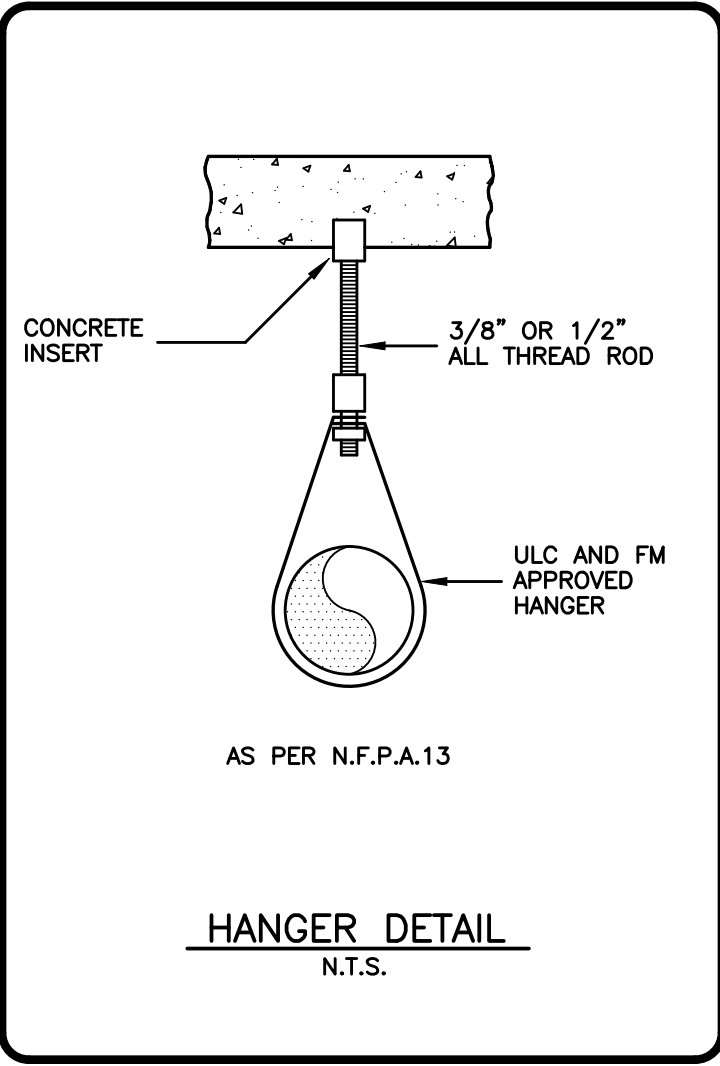
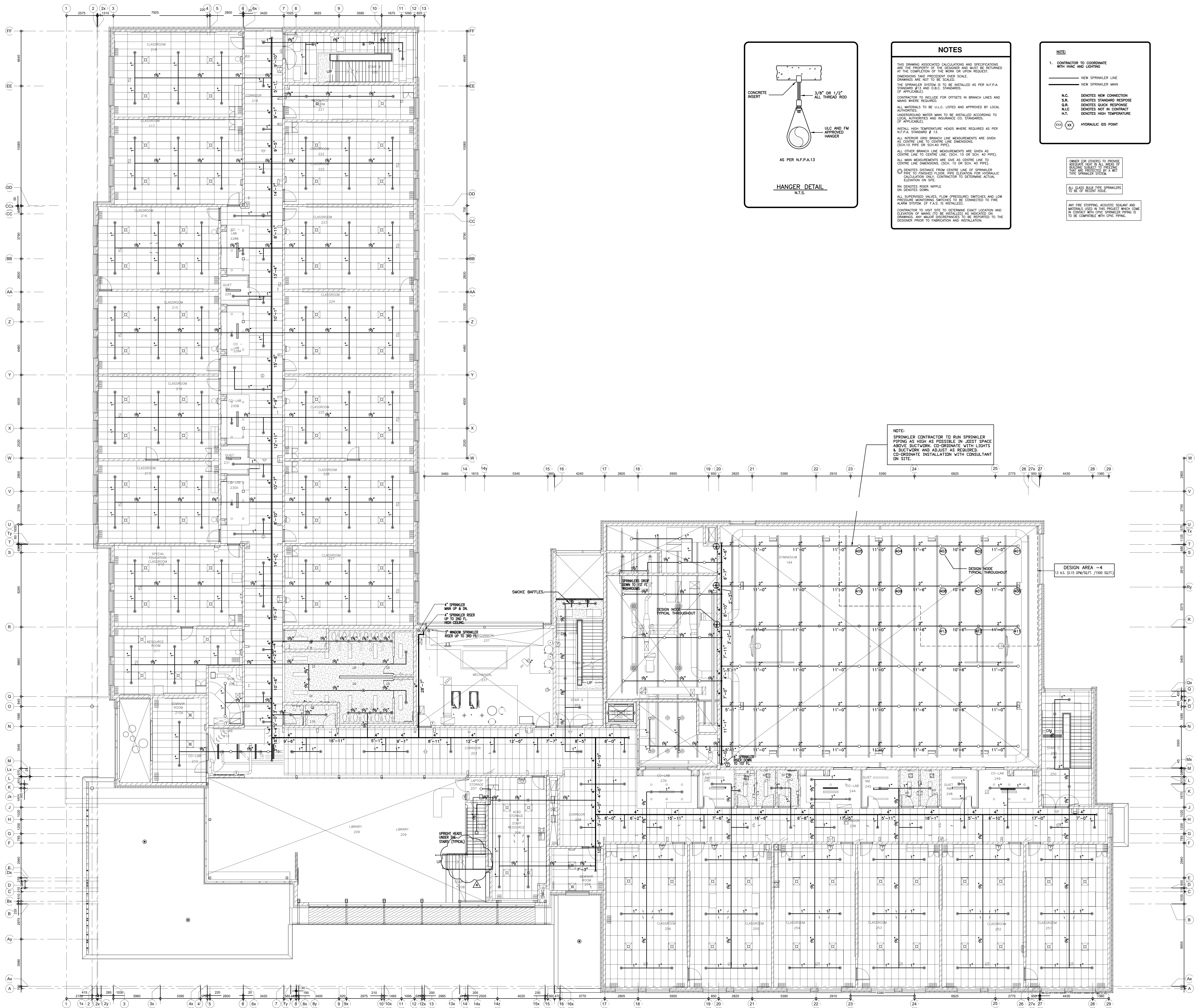


PROJECT  
**OAKVILLE #5 PUBLIC SCHOOL**  
CORNER OF PRESERVE DRIVE AND STREET B  
OAKVILLE, ONTARIO

DWG TITLE  
**SPRINKLER SYSTEM & DETAILS**  
GROUND FLOOR

DATE	APR. 2024	PROJECT NO.	23-14793
SCALE	1:100	DWG NO.	SP-2
OWN BY	F.C.	ISSUED FOR REVISION NO.	1





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**NOTE**

1. CONTRACTOR TO COORDINATE WITH HVAC AND LIGHTING

— NEW SPRINKLER LINE  
— NEW SPRINKLER MAIN

N.C. DENOTES NEW CONNECTION  
S.R. DENOTES STANDARD RESPONSE  
Q.R. DENOTES QUICK RESPONSE  
N.C. DENOTES NOT IN CONTRACT  
H.T. DENOTES HIGH TEMPERATURE

(X) (X) HYDRAULIC IDS POINT

OWNER (OR OTHERS) TO PROVIDE ADEQUATE HEAD IN ALL AREAS OF BUILDING. SUBJECT TO FUTURE PROTECTION. IN ADDITION, MAKE A TYPE SPRINKLER SYSTEM.

ALL GLASS BULB TYPE SPRINKLERS TO BE OF RECENT ISSUE.

ANY FIRE STOPPING, ACUSTIC SEALANT AND MATERIALS USED IN THIS PROJECT MUST COME IN CONFORMITY WITH C.P.C. SPRINKLER PIPING IS TO BE COMPATIBLE WITH C.P.C. PIPING.

**NOTE**

SPRINKLER CONTRACTOR TO RUN SPRINKLER PIPING AS HIGH AS POSSIBLE IN JOIST SPACE ABOVE DUCTWORK. CO-ORDINATE WITH LIGHTS & DUCTWORK AND ADJUST AS REQUIRED. CO-ORDINATE INSTALLATION WITH CONSULTANT ON SITE.

DESIGN AREA - 4  
(3 A.S. @ 0.15 GPM/SQ.FT. / 1500 SQ.FT.)

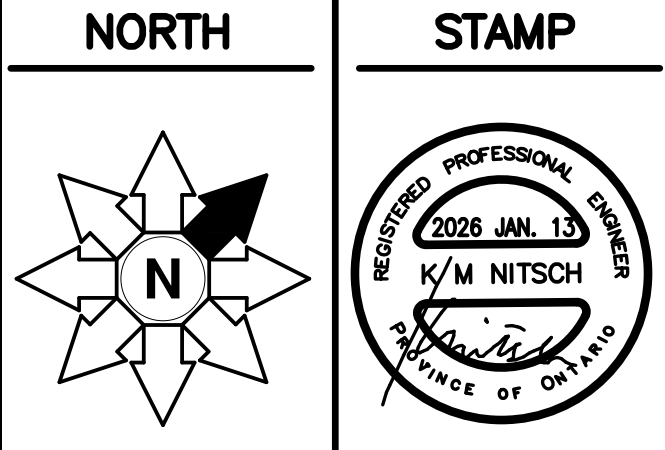
SUBMISSION	
1. ISSUED FOR PERMIT.	DEC.07.2023
2. ISSUED FOR TENDER.	APR.30.2024
3. DELETED ONE SPRINKLER, PROVIDED CAP CONNECTION FOR FUTURE SPRINKLER PROTECTION. IN ADDITION, MAKE A SPRINKLER RISER AS PER CLIENT REQUEST.	MAR.07.2025
4. REVISED SPRINKLER LAYOUT TO SUIT NEW GROUND, SECOND AND THIRD FLOOR PLAN. SEE THE ACTUAL FLOOR FOR NEW SPRINKLER LOCATIONS IDENTIFIED IN CLOUD.	MAR.28.2025
5. ISSUED FOR TENDER.	JAN.13.2026

DESIGN CRITERIA	
<b>GYMNASIUM:</b> SPRINKLER SYSTEM DESIGNED FOR ORDINARY HAZARD GROUP 1 0.15 GPM PER SQ.FT. OVER 1500 SQ.FT. PLUS 300 GPM FOR HOSES. AS PER NFPA 13, 2013 EDITION, SECTION 11.2.3.2.3	
S/R=STANDARD RESPONSE Q/R=QUICK RESPONSE C/W GUARD	
1/2" TEST STANDARD COVERAGE UPRIGHT (K=5.0) Q/R	X
1/2" 212F STANDARD COVERAGE UPRIGHT (K=5.0) Q/R	X
1/2" TEST STANDARD COVERAGE FULLY CONCEALED PENDENT (K=5.0) Q/R	X
1/2" 212F STANDARD COVERAGE SEMI-FLUSH (K=5.0) Q/R	X
1/2" TEST STANDARD RESPONSE DRY PENDENT	X
WINDOW SPRINKLERS (K=5.0)	-

HALTON DISTRICT SCHOOL BOARD  
J.W. SINGLETON EDUCATION CENTRE  
2050 GUELPH LINE  
BURLINGTON, ON. L7R 3Z2  
TEL: (905) 335-5863  
FAX: (905) 335-5802

**DEI**  
Consulting Engineers  
MECHANICAL / ELECTRICAL / AQUATIC

**DISANO DESIGN**  
40 HURONTARIO ST.  
SUITE 201  
BURLINGTON, ONTARIO  
L7R 3Z2  
TEL: (905) 335-5863  
FAX: (905) 335-5802

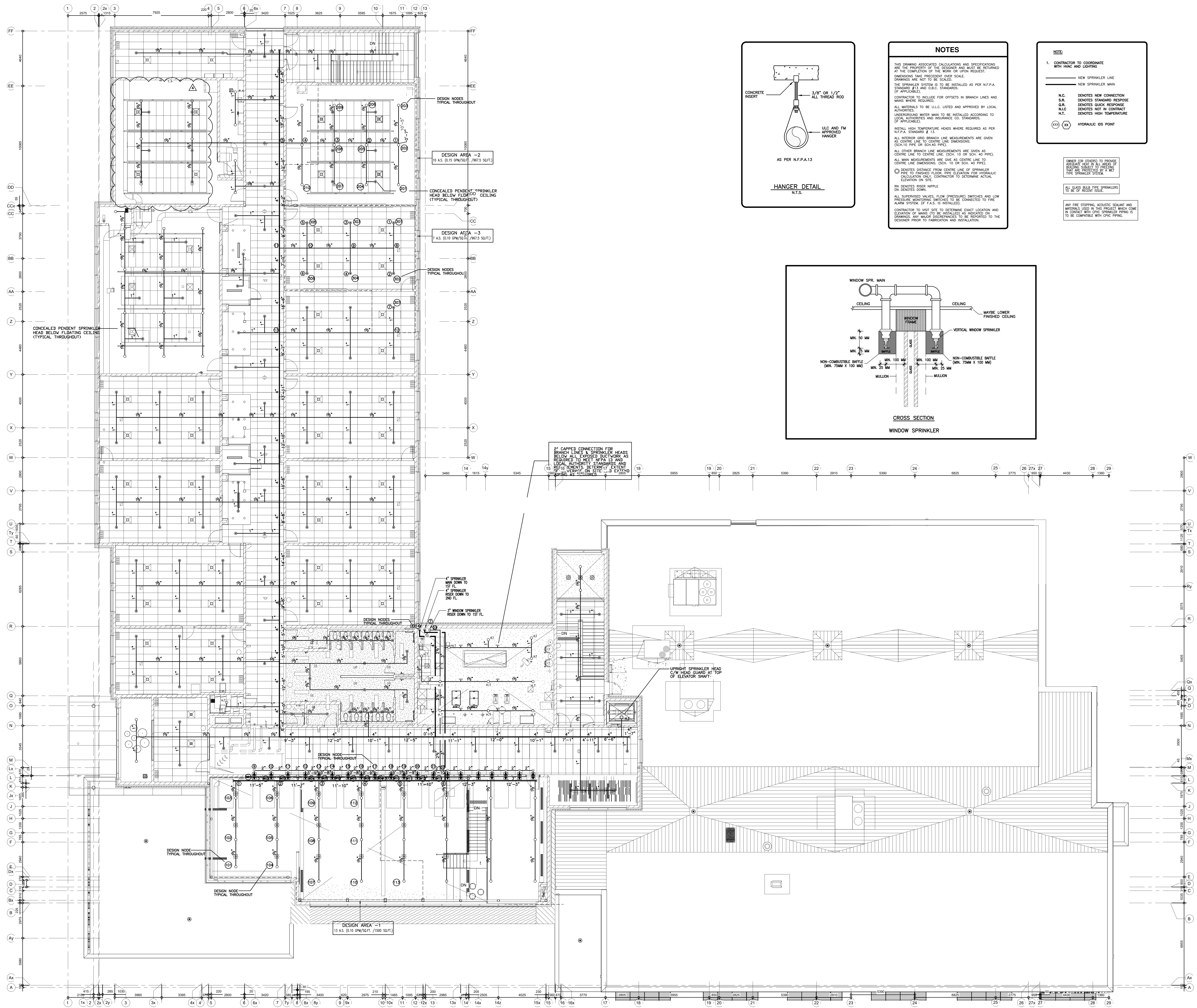


PROJECT  
**OAKVILLE #5 PUBLIC SCHOOL**  
CORNER OF PRESERVE DRIVE AND STREET B  
OAKVILLE, ONTARIO

DWG TITLE  
**SPRINKLER SYSTEM & DETAILS SECOND FLOOR**

DATE APR. 2024	PROJECT NO. 23-14793
SCALE 1:100	DWG NO. SP-3
OWN BY F.C.	ISSUED FOR REVISION NO. G.K.





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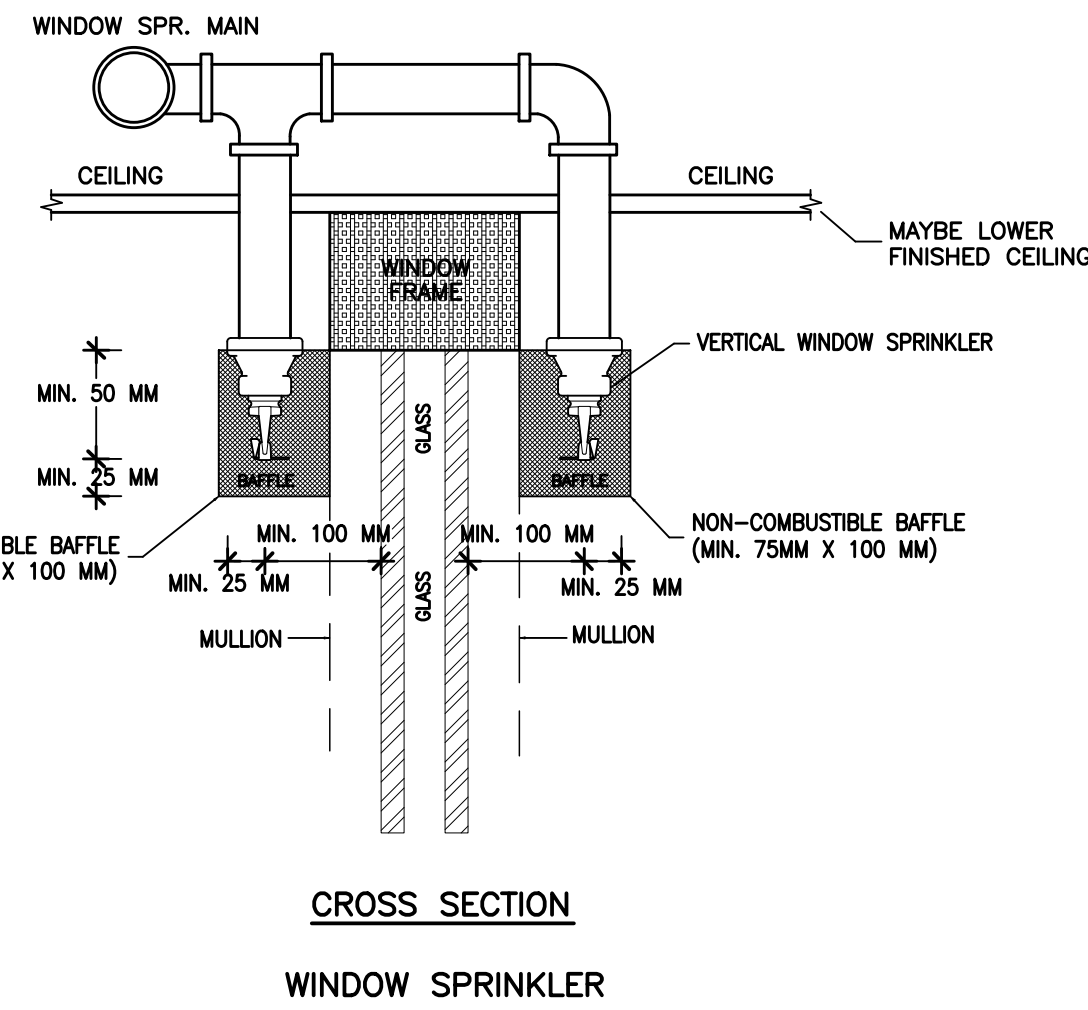
#### NOTE

1. CONTRACTOR TO COORDINATE WITH HVAC AND LIGHTING  
NEW SPRINKLER LINE  
NEW SPRINKLER MAIN  
N.C. DENOTES NEW CONNECTION  
S.R. DENOTES STANDARD RESPONSE  
Q.R. DENOTES QUICK RESPONSE  
N.L.C. DENOTES NOT IN CONTRACT  
H.T. DENOTES HIGH TEMPERATURE  
XXX XX HYDRAULIC IDS POINT

OWNER (OR OTHERS) TO PROVIDE ACCURATE MEASUREMENTS OF BUILDING HEIGHT TO PREVENT FIVE ARE PROTECTED BY A RET. TYPE SPRINKLER SYSTEM.

ALL GLASS BEAD TYPE SPRINKLERS TO BE OF RECENT ISSUE.

ANY FIRE STOPPING, ACOUSTIC SEALANT AND MATERIALS USED IN THIS PROJECT MUST COME INTO CONTACT WITH CPVC PIPING IS TO BE COMPATIBLE WITH CPVC PIPING.



#### SUBMISSION

1. ISSUED FOR PERMIT.	DEC.07.2023
2. ISSUED FOR TENDER.	APR.30.2024
3. DELETED WINDOW SPRINKLER PROTECTION AT DOUBLE DOOR/10A AS PER ARCH. AND CITY REQUEST.	MAR.07.2025
4. REVISED SPRINKLER LAYOUT TO SUIT NEW SECOND, SECOND AND THIRD FLOOR PLAN. SEE THE ACTUAL FLOOR FOR NEW SPRINKLER LOCATIONS IDENTIFIED IN CLOUD.	MAR.28.2025
5. ISSUED FOR TENDER.	JAN.15.2026

#### DESIGN CRITERIA

##### LIBRARY PLUS WINDOW SPRINKLER DESIGN

SPRINKLER SYSTEM DESIGNED FOR LIGHT HAZARD OCCUPANCY + 13 W.S. 0.10 GPM PER SQ.FT. OVER 1500 SQ.FT. PLUS 100 GPM FOR HOSES. AS PER NFPA 13, 2013 EDITION, SECTION 11.2.3.2.2

SPRINKLER SYSTEM DESIGNED FOR LIGHT HAZARD OCCUPANCY + 13 W.S. 0.10 GPM PER SQ.FT. OVER 1500 SQ.FT. (MINUS 35.5% FOR QUICK RESPONSE HEADS) = 967.5 SQ.FT. PLUS 100 GPM FOR HOSES. AS PER NFPA 13, 2013 EDITION, SECTION 11.2.3.2.2

##### CLASSROOM

SPRINKLER SYSTEM DESIGNED FOR LIGHT HAZARD OCCUPANCY + 13 W.S. 0.10 GPM PER SQ.FT. OVER 1500 SQ.FT. (MINUS 35.5% FOR QUICK RESPONSE HEADS) = 967.5 SQ.FT. PLUS 100 GPM FOR HOSES. AS PER NFPA 13, 2013 EDITION, SECTION 11.2.3.2.2

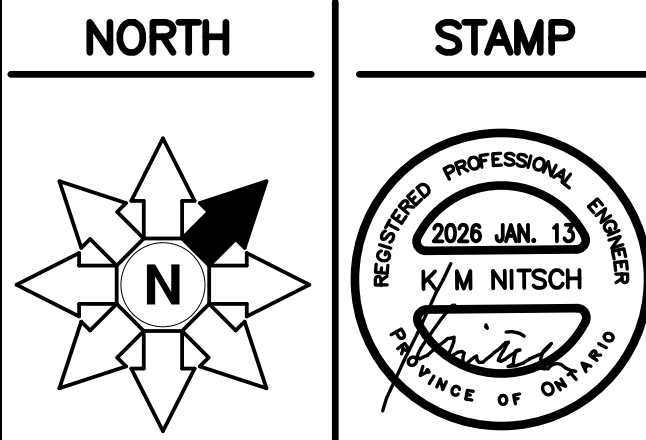
S/R=STANDARD RESPONSE Q/R=QUICK RESPONSE  
C/W GUARD

1/2\"/>
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HALTON DISTRICT SCHOOL BOARD  
J.W. SINGLETON EDUCATION CENTRE  
2050 GUELPH LINE  
BURLINGTON, ON. L7R 3Z2  
TEL: (905) 335-5863  
FAX: (905) 335-5802

**DEI**  
Consulting Engineers  
MECHANICAL / ELECTRICAL / AQUATIC

**DISANO DESIGN**  
40 HURONTARIO ST.  
SUITE 204  
BURLINGTON, ONTARIO  
L7R 3Z2  
TEL: (905) 335-5863  
FAX: (905) 335-5802



PROJECT  
**OAKVILLE #5 PUBLIC SCHOOL**  
CORNER OF PRESERVE DRIVE AND STREET B  
OAKVILLE, ONTARIO

DWG TITLE  
**SPRINKLER SYSTEM & DETAILS  
THIRD FLOOR**

DATE APR. 2024	PROJECT NO. 23-14793
SCALE 1:100	DWG NO. SP-4
DWN BY F.C.	ISSUED FOR REVISION NO.