

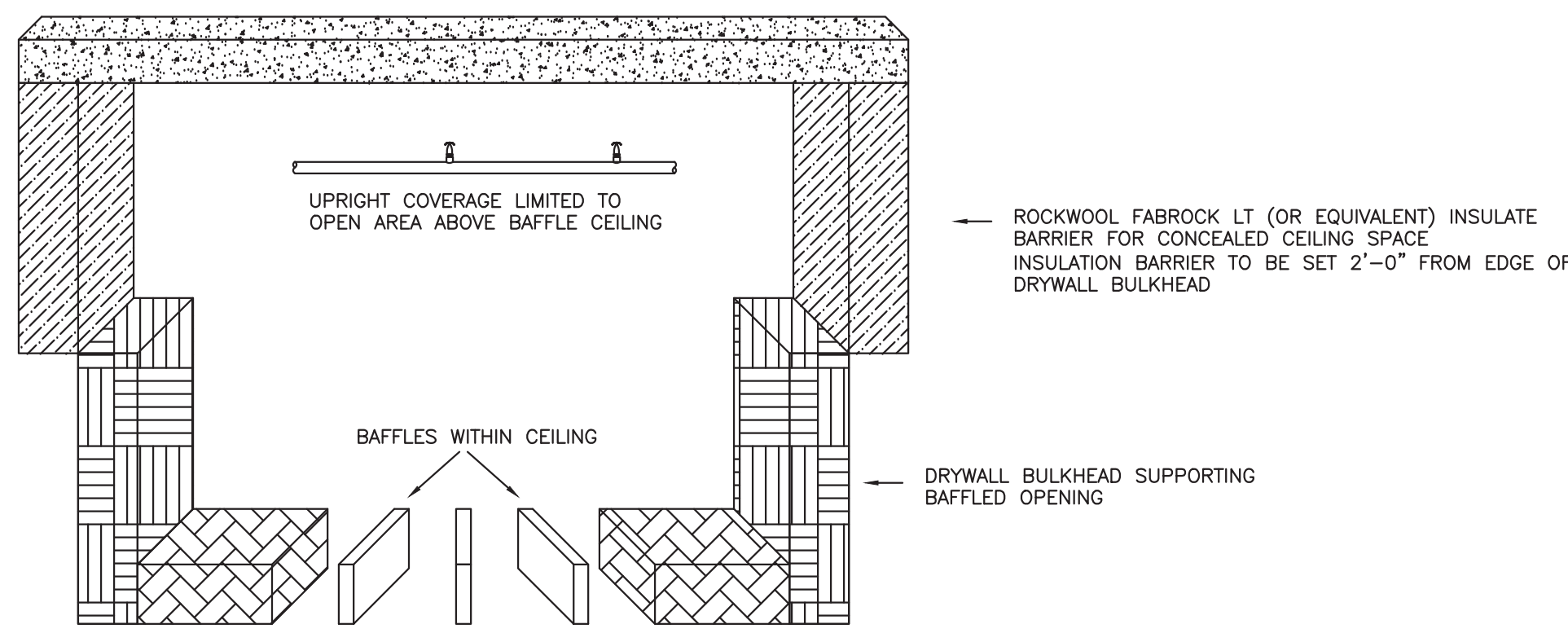
2024 OFFICE UPDATES
7150 MISSISSAUGA RD.,
MISSISSAGUA, ON
L5N 8M5

PROJECT INFORMATION AND SITE PLAN

- 1.0 GENERAL SPECIFICATIONS
- 1.1 THESE DRAWINGS ARE THE PROPERTY OF THE ENGINEERS AND SHALL NOT BE ALTERED WITHOUT APPROVAL. DRAWINGS SHALL BE RETURNED UPON REQUEST.
- 1.2 BEFORE SUBMITTING TENDER FOR THIS WORK, EXAMINE THE SITE, LOCAL SERVICES AND LOCAL CONDITIONS, MECHANICAL DRAWINGS, LOCATION OF EXISTING EQUIPMENT AND SPACE ALLOWANCES TO ASCERTAIN THAT THE WORK CAN BE SATISFACTORILY CARRIED OUT AS SHOWN ON THESE DRAWINGS AND AS HEREIN SPECIFIED. BEFORE COMMENCING WORK, EXAMINE THE WORK AND REPORT AT ONCE ANY DEFECT OF INTERFERENCE AFFECTING THE WORK OF THIS SECTION OR THE GUARANTEE OF SAME. NO EXTRA WALLS, SUBSEQUENTLY BE ALLOWED TO COVER ANY THOROUGH INSPECTION OF THE WORK, EXISTING CONDITIONS, DRAWINGS AND SPECIFICATION. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB AND REPORT DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
- 1.3 THESE DRAWINGS ARE FOR PERMIT AND FOR PRICING, AND MUST BE ADHERED TO FOR INSTALLATION. IF CONTRACTOR WISHES TO ALTER DRAWINGS, THEN CONTRACTOR IS RESPONSIBLE FOR OBTAINING RE-APPROVALS.
- 1.4 CONTRACTOR TO SUPPLY AND INSTALL A COMPLETE AND FULLY OPERATIONAL AUTOMATIC SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS AND AS INDICATED IN THE SPECIFICATIONS AND CONFORMING TO N.F.P.A. REQUIREMENTS, O.B. REQUIREMENTS AND THE REQUIREMENTS OF THE LOCAL AUTHORITIES.
- 1.5 ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL CODES, STANDARDS BY LAWS AND AUTHORITIES HAVING JURISDICTION.
- 1.6 SYSTEMS TO BE INSTALLED AS PER N.F.P.A. STANDARDS, AND LOCAL AUTHORITIES.
- 1.7 ALL WORK SHALL CONFORM TO C.S.A. E.S.A. CODES, AND LOCAL, MUNICIPAL AND PROVINCIAL LAWS AND REGULATIONS.
- 1.8 SPRINKLER CONTRACTOR TO CO-ORDINATE INSTALLATION WITH EXISTING SITE CONDITIONS AND ACCEPT RESPONSIBILITY FOR AND COST OF MAKING ADJUSTMENTS TO PIPING TO AVOID INTERFERENCE WITH MECHANICAL, ELECTRICAL AND OTHER BUILDING COMPONENTS.
- 1.9 SPRINKLER CONTRACTOR TO INCLUDE FOR OFFSETS IN SPRINKLER PIPING AND MUST SUPPLY AND INSTALL TRAP/VEE HANGERS WHERE REQUIRED. HANGERS FOR MAINS TO BE INSTALLED AT PANEL POINTS OF JOISTS.
- 1.10 ALL MATERIALS USED IN THE INSTALLATION OF THE SPRINKLER SYSTEM SHALL BE CANADIAN MADE, UNLESS SPECIFICALLY APPROVED IN WRITING PRIOR TO INSTALLATION BY THE ARCHITECTS AND/OR ENGINEERS RESPONSIBLE FOR THE SYSTEM DESIGN.
- 1.11 CPVC PIPE IS TO HAVE A PIPE CELL CLASSIFICATION OF 2547 AND FITTING CELL CLASSIFICATION OF 2447 AND MEETS ASTM A1200-06.
- 1.12 ALL SPRINKLERS SHALL BE U.L.C. LISTED AND SHALL BE THE TYPE AND TEMPERATURE RATING SPECIFIED ON THE DRAWINGS. SPRINKLERS OF SUITABLE TEMPERATURE RATING SHALL BE INSTALLED NEAR HEATING EQUIPMENT AS SPECIFIED IN N.F.P.A. STANDARD #13 (LATEST EDITION).
- 1.13 CONTRACTOR TO ALLOW IN PRICE FOR SUFFICIENT PIPE AND FITTINGS TO INSTALL PENDENT SPRINKLERS WITHIN A 5 FT. RADIUS OF THE LOCATION SHOWN ON DRAWINGS.
- 1.14 PROVIDE SPARE SPRINKLER HEADS AND WRENCH IN A METAL CABINET, MOUNTED ON THE WALL NEAR THE MAIN SPRINKLER VALVE HEADER, AMOUNT AS PER N.F.P.A. STANDARD #13.
- 1.15 UPON COMPLETION OF THE INSTALLATION, THE CONTRACTOR SHALL TEST THE SYSTEM AND SUBMIT TO THE ENGINEER COMPLETED CONTRACTORS TEST CERTIFICATES STATING THAT THE SYSTEMS HAVE BEEN INSTALLED, TESTED AND APPROVED BY THE AUTHORITIES HAVING JURISDICTION IN ACCORDANCE WITH N.F.P.A. #13, LATEST EDITION.
- 1.16 PENDENT SPRINKLERS INSTALLED WHERE SUSPENDED CEILING TILES OR DRYWALL OCCUR ARE TO BE EQUIPPED WITH TWO-PIECE ESCUTCHEONS (WHERE APPLICABLE).
- 1.17 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE FIRE PROTECTION SYSTEMS AND FOR CO-ORDINATION WITH ALL SITE CONDITIONS, BEFORE COMMENCING WORK. EXAMINE THE SITE AND THE EXISTING CONDITIONS AND REPORT IMMEDIATELY TO THE ENGINEER ANY DEFECT OR INTERFERENCE AFFECTING THE COMPLETION OF THE WORK OR THE GUARANTEE OF THIS CONTRACTOR.
- 1.18 RECORD AS-BUILT DRAWINGS: BE RESPONSIBLE FOR CLEARLY MARKING, AS THE JOB PROGRESSES, ALL CHANGES AND DEVIATIONS FROM THE ROUTING OF SERVICES AND THE LOCATION OF EQUIPMENT SHOWN ON THE CONTRACT DOCUMENTS ON A SOUND SET OF WHITE PRINTS. KEEP THE PRINTS AVAILABLE AT THE SITE FOR PERIODIC INSPECTION THROUGHOUT THE DURATION OF THE WORK. NOTE THAT MARKED-UP WHITE PRINTS SHALL INCORPORATE ALL REVISIONS MADE BY CHANGE ORDERS, ADDENDUM, FIELD INSTRUCTIONS, ETC. HAND THE AS-BUILT DRAWINGS TO THE ENGINEER AT THE END OF THE PROJECT. PROVIDE THREE (3) HARD COPIES OF THE MARKED-UP WHITE PRINTS AND A CD/DVD CONTAINING SOFT COPIES OF THE AS-BUILT DRAWINGS (BOTH IN AUTOCAD AND PDF FORMATS).
- 1.19 THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO BE CO-OPERATIVE. PERFORM ALL WORK WHICH IS SHOWN, SPECIFIED OR REASONABLY IMPLIED ON THE DRAWINGS, BUT NOT MENTIONED IN THE SPECIFICATIONS OR VICE-VERSA, AS THOUGH FULLY COVERED BY BOTH.
- 1.20 WARRANT THE MECHANICAL WORK TO BE IN STRICT ACCORDANCE WITH THE CONTRACT DOCUMENTS AND FREE FROM DEFECTS FOR A PERIOD OF TWO (2) YEARS FROM THE DATE OF ISSUING OF CERTIFICATE OF SUBSTANTIAL PERFORMANCE OF THE WORK. PROVIDE EXTENDED WARRANTY WHERE SPECIFIED IN ALL SUBSEQUENT SECTIONS OF THE SPECIFICATION.
- 1.21 MAINTAIN LIABILITY INSURANCE WHICH WILL FULLY PROTECT THE OWNER AND THE CONTRACTORS FROM ANY AND ALL CLAIMS UNDER THE WORKPLACE SAFETY & INSURANCE BOARD ACT.
- 1.22 THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THE LAYOUT OF WORK AND FOR ANY DAMAGE CAUSED TO THE PROPERTY OF THE OWNER OR OTHER TRACES THROUGH THE IMPROPER LOCATION OF MATERIALS, EQUIPMENT, OR CARRYING OUT OF THE WORK.
- 1.23 PROVIDE PIPE HANGERS OR SUPPORTS ON ALL PIPING. HANGER RODS MUST BE VERTICAL WITHOUT BENDS OR OFFSETS AND WORKMANSHIP MUST BE SUCH THAT FINISHED PIPING IS TRUE. BOTH WITH MANUFACTURER'S LINE AND GRADE. METAL STRAPS, WIRES, PERFORATED BANDS, CHAIN OR SILD RING HANGERS USED AS PIPE HANGERS OR SUPPORTS WILL NOT BE ACCEPTABLE.
- 1.24 WHERE NEW PIPES PASS THROUGH EXISTING CONCRETE SLABS AND CONCRETE OR MASONRY WALLS, CORE DRILL OR SAW CUT AN OPENING. SIZE OPENINGS TO LEAVE 13 mm (1/2") CLEARANCES AROUND PIPES. PACK AND SEAL THE VOID BETWEEN THE OPENING AND THE PIPES FOR THE LENGTH OF THE OPENING WITH JOV CORNING SERIES 2900 THREESTOP SEALANT (U.L.C. APPROVED MATERIAL) PACKED AND SECURED IN SUCH A MANNER THAT THE PACKING IN VERTICAL HOLES AND OPENINGS WILL NOT FALL OUT.
- 1.25 WHERE DISSIMILAR METALS ARE IN CLOSE PROXIMITY TO EACH OTHER, THEY SHALL BE SEPARATED BY MEANS OF WATERPROOF GASKETS OR OF APPROVED MATERIALS. SCREWS, BOLTS, NUTS AND OTHER FASTENING DEVICES SHALL BE MADE OF THE SAME MATERIALS OR OF MATERIALS HAVING THE SAME CHARACTERISTICS AS THE METALS WHICH THEY FASTEN, IN ORDER TO PREVENT ELECTROLYTIC ACTION. PROVIDE HEAVY BRASS ADAPTORS FOR CONNECTIONS BETWEEN STEEL AND COPPER PIPES.
- 1.26 NO INSTALLATION SHALL BE CONCEALED OR RENDERED INACCESSIBLE BY DRYWALL, BOARDING OR OTHER BUILDING CONSTRUCTION, UNTIL IT HAS BEEN INSPECTED BY THE ENGINEER AND LOCAL AUTHORITIES HAVING JURISDICTION AND FOUND TO CONFORM TO CONTRACT DOCUMENT AND REGULATIONS. WHEN REQUESTING AN INSPECTION, THE CONTRACTOR SHALL PROVIDE A MINIMUM OF THREE (3) WORKING DAYS NOTICE IN ADVANCE.
- 1.27 DIMENSIONS AND/OR MEASUREMENTS INDICATED ON THE DRAWINGS ARE TO BE VERIFIED AT SITE AND ANY MAJOR DISCREPANCIES TO BE REPORTED PRIOR TO FABRICATION AND INSTALLATION. (IF APPLICABLE).
- 1.28 EXACT LOCATION AND ELEVATION OF MAINS TO BE DETERMINED BY CONTRACTOR TO SUIT SITE CONDITIONS.
- 1.29 CONTRACTOR TO CO-ORDINATE LOCATION OF SPRINKLERS WITH RESPECT TO SURFACE MOUNTED LIGHT FIXTURES AND MAINTAIN MINIMUM CLEARANCE AS REQUIRED BY NFPA 13 TO AVOID ANY OBSTRUCTION TO SPRINKLER PATTERN OF SPRINKLERS.
- 1.30 MINIMUM WALL THICKNESS OF SPRINKLER PIPING TO BE EQUIVALENT TO SCHEDULE 10S.
- 1.31 CONTRACTOR TO INCLUDE FOR AN ADDITIONAL 2 SPRINKLERS FOR BELOW OBSTRUCTIONS ETC.
- 1.32 SINCE THE BUILDING IS EXISTING, CONTRACTOR IS TO VISIT SITE AND BECOME FAMILIAR WITH EXISTING SITE CONDITIONS RELATIVE TO THE PROJECT AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO QUOTING OR FABRICATION.
- 1.33 A COPY OF N.F.P.A. STANDARD #25 IS TO BE PROVIDED AND LEFT IN A VISIBLE LOCATION IN THE SPRINKLER ROOM.
- 1.34 PROVIDE SHOP DRAWINGS FOR THE FOLLOWING (WHERE APPLICABLE):
- A) SPRINKLERS
- B) DOUBLE CHECK VALVE ASSEMBLY BACKFLOW DEVICE
- C) RISER CHECK VALVE AND THERMOSTATIC VALVE
- D) SUPERVISORY DEVICES
- E) HANGERS
- 1.35 ALL SPRINKLER EQUIPMENT SHALL BE OF ONE MANUFACTURER FROM THE FOLLOWING:
- VICTALIC
 - VIKING
 - TYCO
 - RELIABLE
 - OR APPROVED EQUAL. ALL SHALL BE U.L.C. LISTED FOR THEIR SPECIFIC APPLICATION.

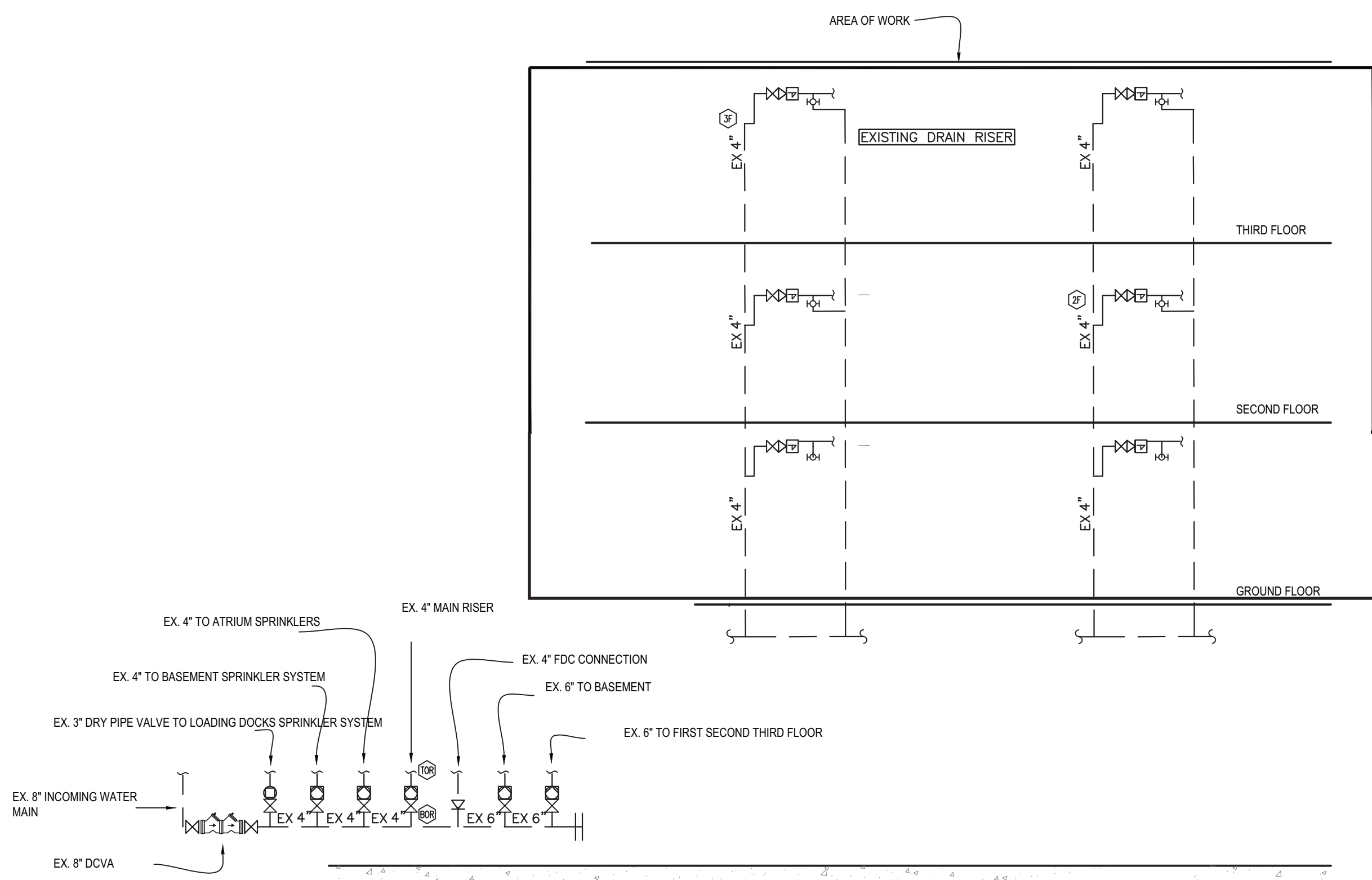
SCOPE OF WORK:

1. FIRE PROTECTION WORK CONSISTS OF MAKING CHANGES TO THE EXISTING SPRINKLER SYSTEM THROUGHOUT THE OFFICE SPACE RENOVATION IN ACCORDANCE WITH DRAWINGS.
- FR-01 - SPECIFICATIONS, DETAILS & SITE PLAN
- FR-02 - PROPOSED SPRINKLER LAYOUT - FIRST FLOOR
- FR-03 - PROPOSED SPRINKLER LAYOUT - SECOND FLOOR
- FR-04 - PROPOSED SPRINKLER LAYOUT - THIRD FLOOR
2. ALL WORK AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE ONTARIO BUILDING CODE (2012), AUTHORITY HAVING JURISDICTION REQUIREMENTS, WITH NFPA 13 (2013), NFPA 14 (2013), AND NFPA 20 (2010).
3. ALL PIPING AS FOLLOWS:
- WET SYSTEMS:
- STEEL PIPE: 1" PIPE, SCHED 40 BLACK, WITH THREADED ENDS, C=120
- ALL PIPE LARGER THAN 1": SCHED 10 BLACK, WITH GROOVED ENDS, C=120
4. WIRE GUARDS SHALL BE PROVIDED FOR HEADS IN AREAS SUSCEPTIBLE TO DAMAGE.
5. ALL HANGERS SHALL BE INSTALLED AND SPACED IN ACCORDANCE WITH NFPA 13 (2013).
6. TEST/DRYAN CONNECTION TO DISCHARGE TO A SUITABLE LOCATION.
7. TAMPERS AND WATER FLOW SWITCHES ARE PROVIDED, BUT WIRING BY OTHERS.
8. SPARE SPRINKLERS SHALL BE PROVIDED IN ACCORDANCE WITH NFPA ADJACENT TO THE MAIN RISER AT LEAST FOUR HEADS OF ALL TYPES OF SPRINKLERS AND ASSOCIATED WRENCHES IN THE BUILDING SHALL BE PROVIDED FOR THE CABINETS.
9. PIPING IS TO BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH NFPA 13 FOR 2 HOURS AT 200 PSI AT THE SYSTEM RISER ALL TESTING MUST BE WITNESSED AND SIGNED BY AN AUTHORIZED REPRESENTATIVE OF THE OWNER.
10. FIRE PROTECTION SYSTEM INSTALLER SHALL CO-ORDINATE WITH ALL ARCHITECTURAL, MECHANICAL AND ELECTRICAL DISCIPLINES.
11. WHERE PIPING PENETRATES RATED WALLS AND FLOORS, THE PENETRATION SHALL BE FIRE STOPPED WITH A U.L.C. LISTED FIRE STOP SYSTEM.



CONCEALED CEILING SPACE ABOVE BAFFLED CEILING DETAIL
(TYPICAL FOR ALL OPENINGS WITHIN THE CEILING)

N.T.S.



EXISTING SPRINKLER RISER - FOR REFERENCE ONLY

DESIGN CRITERIA

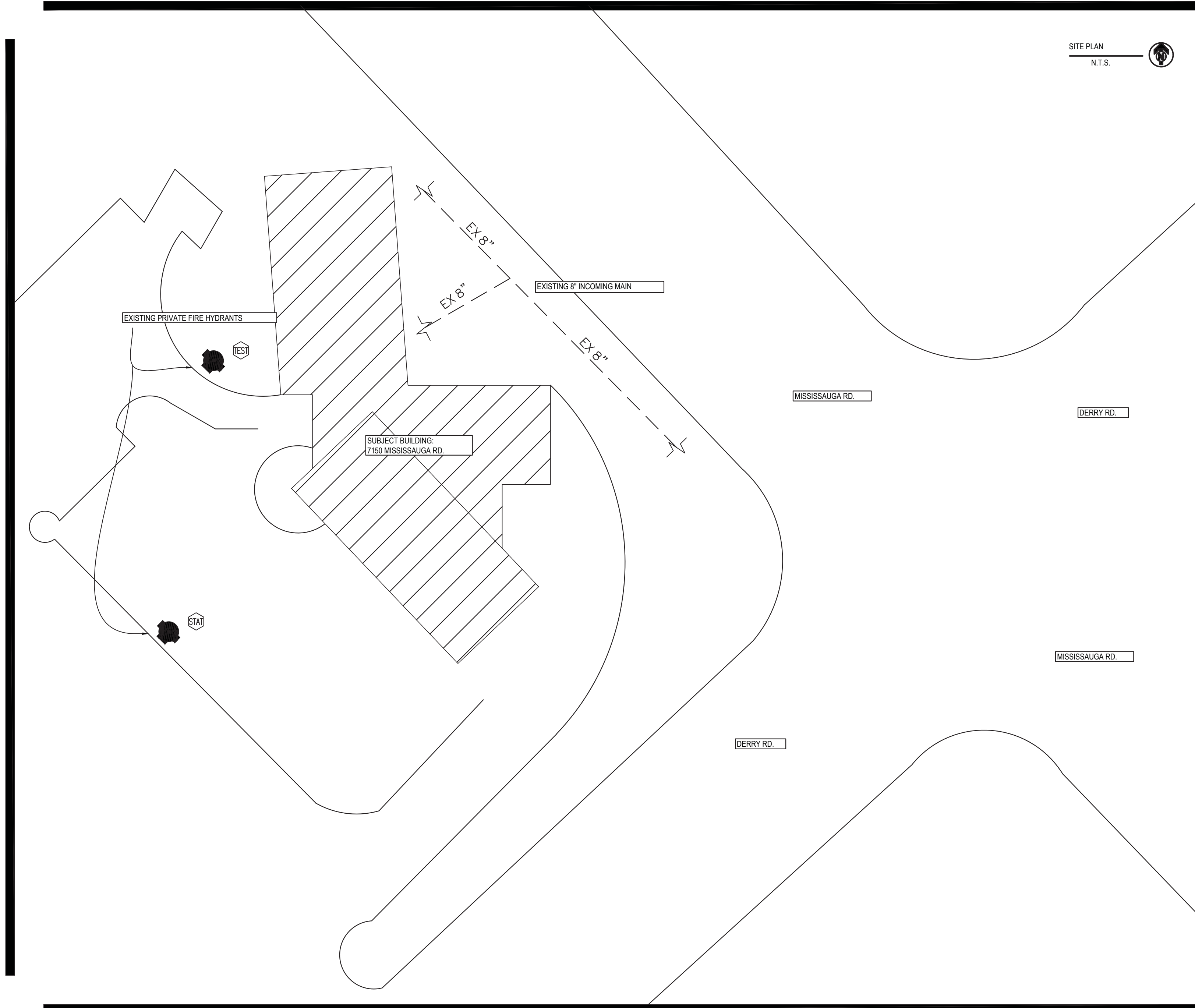
- SPRINKLER SYSTEM DESIGNED FOR:
1. SPRINKLER SYSTEM DESIGN IS IN ACCORDANCE WITH THE ONTARIO BUILDING CODE (2012), AUTHORITY HAVING JURISDICTION REQUIREMENTS, AND WITH NFPA 13 (2013).
 2. HYDRANT REQUIREMENTS ARE IN ACCORDANCE WITH NFPA 14 AND SPRINKLER HEAD SPECIFICATIONS.
 - CALCULATION 1 - WET SYSTEM - THIRD FLOOR - OFFICE SUITE
 - LIGHT HAZARD: 0.5 GPM/SQ.FT. DENSITY OVER 100 SQ.FT. AREA
 - CALCULATION 2 - WET SYSTEM - SECOND FLOOR - OFFICE SUITE
 - LIGHT HAZARD: 0.5 GPM/SQ.FT. DENSITY OVER 100 SQ.FT. AREA

WATER SUPPLY INFORMATION

FLOW TEST LOCATION: 7150 MISSISSAUGA RD.
DATE: 31 JULY 2023
STATIC: 80 PSI
RESIDUAL: 54 PSI FLOW: 1530 GPM

APPLICABLE CODE AND STANDARDS

ONTARIO BUILDING CODE, 2012 EDITION, AS AMENDED
ONTARIO FIRE CODE, 2015 EDITION
NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS 2013, EDITION.

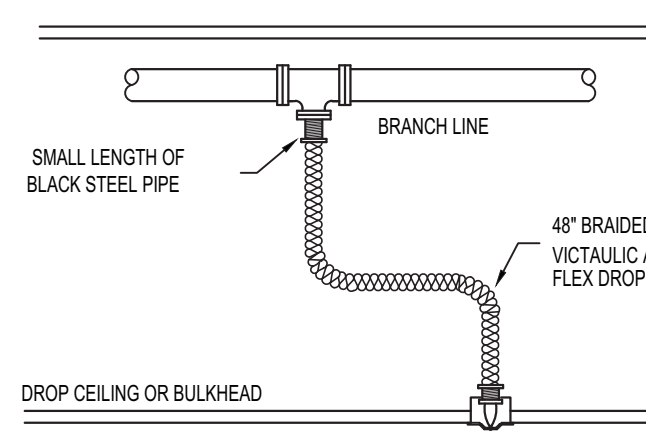


LEGEND:

- NEW FLEXIBLE HOSE CONNECTION FROM EXISTING BRANCH LINE TO NEW PENDENT SPRINKLER
- RELOCATE EXISTING SPRINKLER
- EXISTING BRANCH LINE TO REMAIN
- EXISTING MAIN TO REMAIN

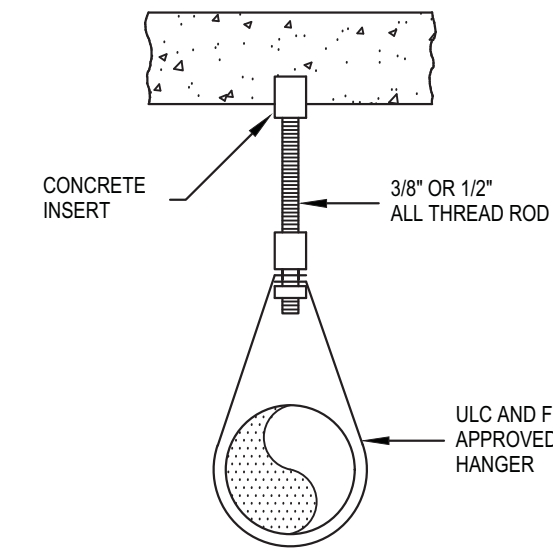
GENERAL INSTALLATION NOTE:

- CONTRACTOR TO COORDINATE THE LOCATION OF PENDENT HEADS WITH ELECTRICAL & MECHANICAL SERVICES TO AVOID INTERFERENCE WITH OR OBSTRUCTIONS CREATED BY LIGHTS AND/OR DUCTWORK (WHERE APPLICABLE).
- CONTRACTOR TO CONFIRM EXISTING STRUCTURE AND PIPE ROUTING ON SITE PRIOR TO INSTALLATION.
- SPRINKLER CONTRACTOR TO INCLUDE FOR OFFSETS IN THE SPRINKLER PIPING AND SUPPLY AND INSTALLATION OF HANGERS. HANGERS SHALL BE PER NFPA 13.



NOTE:
1/2\"/>

SPRINKLER HEAD C/W
FLEXIBLE PIPING INSTALLATION
N.T.S.



AS PER N.F.P.A. 13

HANGER DETAIL
N.T.S.

NO	DATE	DESCRIPTION	DRAWN	CHECKED
4	JPM 6/20/24	ISSUED FOR TENDER	JML	TE
3	JCT 3/20/23	RE-ISSUED FOR PERMIT	JML	TE
2	JCT 02/03	ISSUED FOR PERMIT	JML	TE
1	JCT 9/20/21	ISSUED FOR CLIENT COORDINATION AND REVIEW	JML	TE



Norris Fire Consulting Inc.
1840 Clements Road, Suite 202, Pickering, ON L3W 3Y2
Tel: (905) 669-5104, www.norrisfireconsulting.com

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Professional Engineers
Ontario
Limited Engineering Licensee
Number: 100599877
Limitations: Rendering and reviewing of fire protection and fire alarm systems in per OBC, OAC and NFPA 13, 14, 17A, 20, 22, 24, 25, 30, 30B, 30B.1 & 30B.2

PROJECT
7150 MISSISSAUGA RD.
MISSISSAUGA, ON
L5N 8M5
DWG TITLE
SPECIFICATIONS, DETAILS AND
SITE PLAN

DATE
APR 19/24
SCALE
AS-SHOWN
DRAWN BY
JML
CHECK BY
TE

PROJ NO
22-0548
DWG NO
FP-1
OF 4



PROPOSED SPRINKLER LAYOUT – GROUND FLOOR
1/8"=1'-0"

NO	DATE	DESCRIPTION	DWNA	CHD
4	JPN 6/25/24	ISSUED FOR TENDER	JML	TE
3	JCT 3/20/23	ISSUED FOR PERMIT	JML	TE
2	JCT 03/23	ISSUED FOR PERMIT	JML	TE
1	JCT 9/20/21	ISSUED FOR CLIENT COORDINATION AND REVIEW	JML	TE

HEAD COUNT

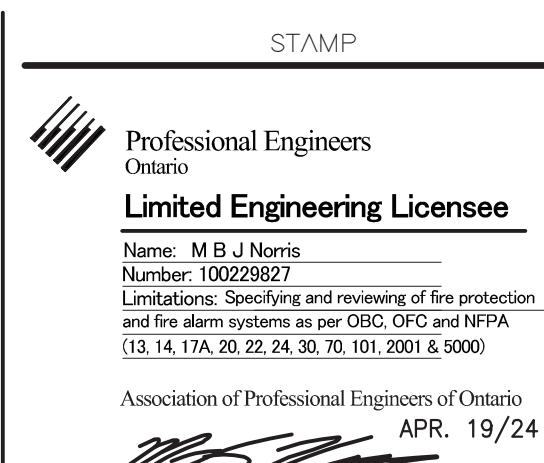
S/R=STANDARD RESPONSE Q/R=QUICK RESPONSE
○ C/W GUARD

● NEW 1/2" 150°F STANDARD COVERAGE PENDENT (K=5.6)	2	○ NEW 1/2" 150°F STANDARD COVERAGE UPRIGHT (K=5.6)	-
⊗ EXISTING 1/2" 150°F STANDARD COVERAGE PENDENT (K=5.6) Q/R	-		
⊗ NEW 1/2" 150°F STANDARD COVERAGE CONCEALED PENDENT (K=5.6)	1		
● EXISTING 150°F STANDARD RESPONSE CONCEALED PENDENT (K=5.6)	-		

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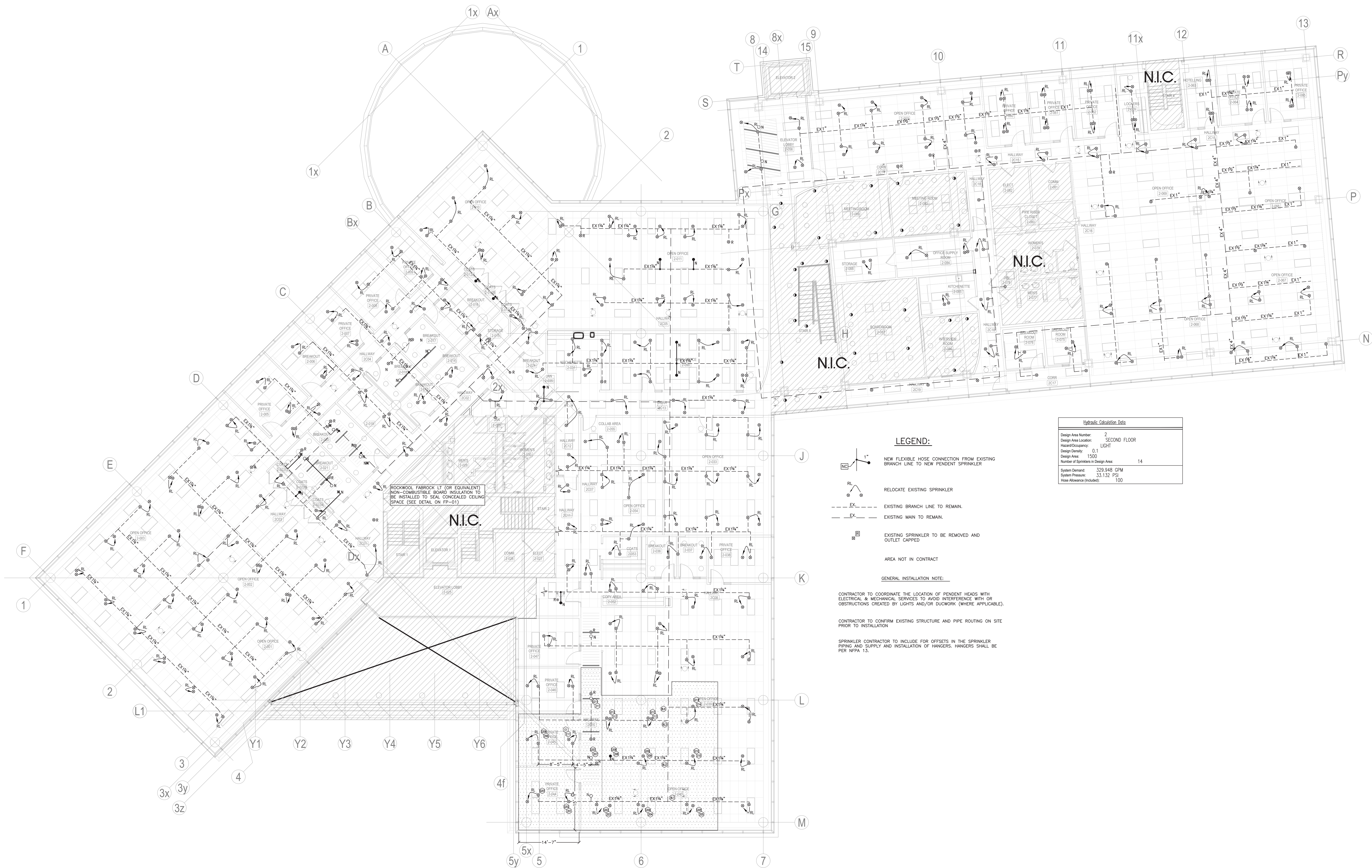


PROJECT
7150 MISSISSAUGA RD.
MISSISSAUGA, ON
L5N 8M5

DWG TITLE
PROPOSED SPRINKLER
LAYOUT - FIRST FLOOR

DATE
APR. 19/24
SCALE
AS-SHOWN
DRAWN BY
JML
CHECK BY
TE

PROJ NO
22-0548
DWG NO
FP-2
OF 4



PROPOSED SPRINKLER LAYOUT - SECOND FLOOR
1/8"=1'-0"

NO.	DATE	DESCRIPTION	DWGN	CHKD
4	JPR 6/20/24	ISSUED FOR TENDER	JML	TE
3	JCT 3/20/23	ISSUED FOR PERMIT	JML	TE
2	JCT 05/23	ISSUED FOR PERMIT	JML	TE
1	JCT 6/20/23	ISSUED FOR CLIENT COORDINATION AND REVIEW	JML	TE

HEAD COUNT

S/R=STANDARD RESPONSE Q/R=QUICK RESPONSE O/C/N GUARD	
● NEW 1/2" 155F STANDARD COVERAGE PENDENT (K=5.6)	10
⊗ EXISTING 1/2" 155F STANDARD COVERAGE PENDENT (K=5.6) Q/R	-
⊗ NEW 1/2" 155F STANDARD COVERAGE CONCEALED PENDENT (K=5.6)	4
● EXISTING 155F STANDARD RESPONSE CONCEALED PENDENT (K=5.6)	-

NEW 1/2" 155F STANDARD COVERAGE UPRIGHT (K=5.6)	
○	11



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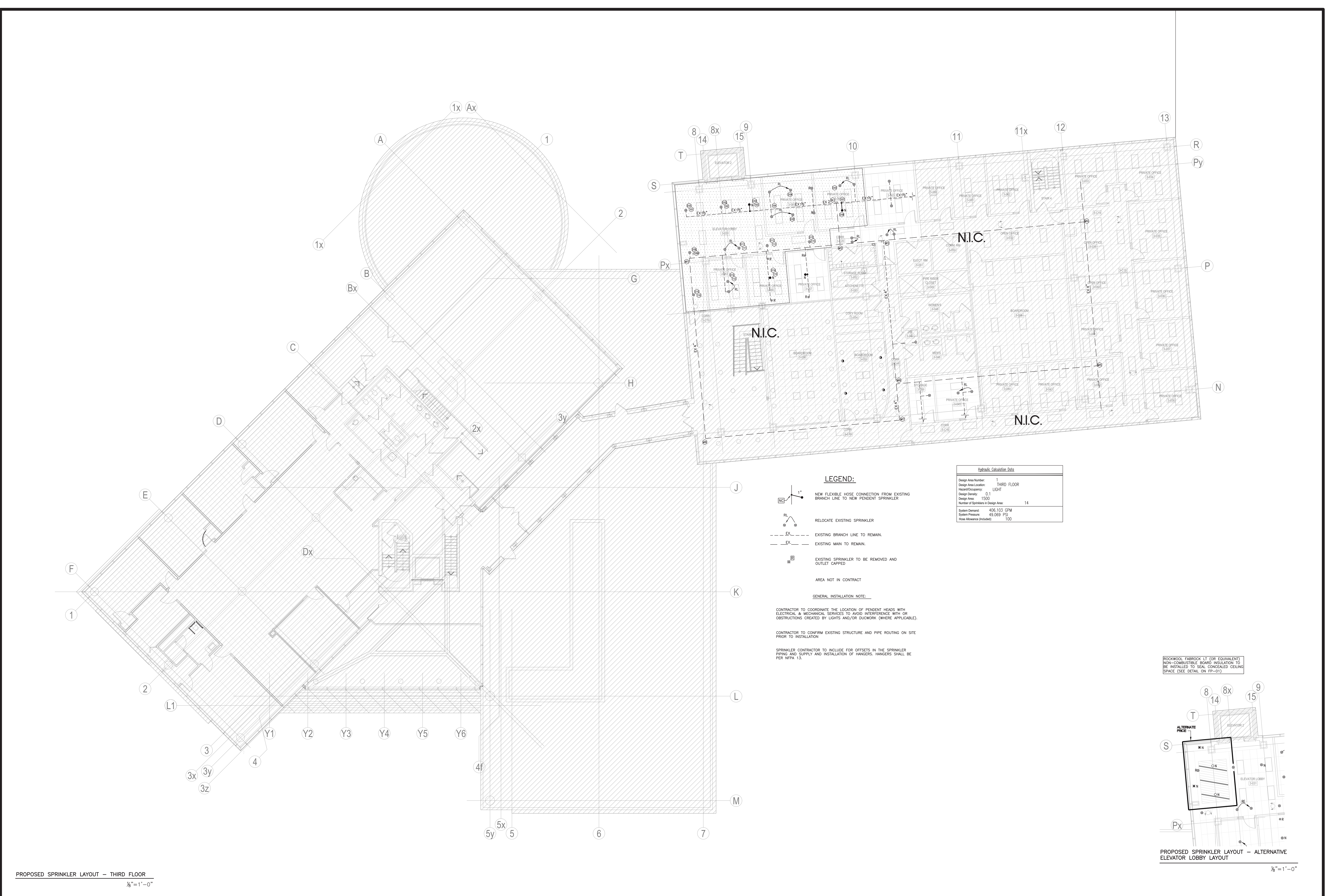


STAMP
Professional Engineers
Ontario
Limited Engineering Licensee
Name: M.B. A. Morris
Number: 100299877
Limitations: None and no review of his work
and the other systems in per OBC, OAC and NFPA
13, 13.1, 13.2, 13.3, 13.4, 13.5, 13.6, 13.7, 13.8, 13.9, 13.10, 13.11, 13.12, 13.13, 13.14, 13.15, 13.16, 13.17, 13.18, 13.19, 13.20, 13.21, 13.22, 13.23, 13.24, 13.25, 13.26, 13.27, 13.28, 13.29, 13.30, 13.31, 13.32, 13.33, 13.34, 13.35, 13.36, 13.37, 13.38, 13.39, 13.40, 13.41, 13.42, 13.43, 13.44, 13.45, 13.46, 13.47, 13.48, 13.49, 13.50, 13.51, 13.52, 13.53, 13.54, 13.55, 13.56, 13.57, 13.58, 13.59, 13.60, 13.61, 13.62, 13.63, 13.64, 13.65, 13.66, 13.67, 13.68, 13.69, 13.70, 13.71, 13.72, 13.73, 13.74, 13.75, 13.76, 13.77, 13.78, 13.79, 13.80, 13.81, 13.82, 13.83, 13.84, 13.85, 13.86, 13.87, 13.88, 13.89, 13.90, 13.91, 13.92, 13.93, 13.94, 13.95, 13.96, 13.97, 13.98, 13.99, 14.00
APR. 19/24

PROJECT
7150 MISSISSAUGA RD.
MISSISSAUGA, ON
L5N 8M5
DWG TITLE
PROPOSED SPRINKLER
LAYOUT - SECOND FLOOR

DATE
APR. 19/24
SCALE
AS-SHOWN
DRAWN BY
JML
CHECK BY
TE

PROJ NO
22-0548
DWG NO
FP-3



PROPOSED SPRINKLER LAYOUT - THIRD FLOOR
1/8"=1'-0"

NO	DATE	DESCRIPTION	DWGN	CHKD
4	19/04/2024	ISSUED FOR TENDER	JML	TE
3	02/03/2024	ISSUED FOR PERMIT	JML	TE
2	02/03/2024	ISSUED FOR PERMIT	JML	TE
1	02/03/2024	ISSUED FOR CLIENT COORDINATION AND REVIEW	JML	TE

HEAD COUNT	
S/R=STANDARD RESPONSE Q/R=QUICK RESPONSE C/W=GUARD	
● NEW 1/2" 155°F STANDARD COVERAGE PENDENT (K=5.6)	4
⊗ EXISTING 1/2" 155°F STANDARD COVERAGE PENDENT (K=5.6) S/R	-
⊗ NEW 1/2" 155°F STANDARD COVERAGE CONCEALED PENDENT (K=5.6) (OPTIONAL)	2
● EXISTING 155°F STANDARD RESPONSE CONCEALED PENDENT (K=5.6)	-

○ NEW 1/2" 155°F STANDARD COVERAGE UPRIGHT (K=5.6)	2
--	---

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PROJECT NORTH

STAMP

Professional Engineers
Ontario
Limited Engineering Licensee
Name: M.B. A. Smith
Number: 10029897
Limitations: Sewer design and reviewing of low-pressure and fire alarm systems in per OBC, OAC and MFRS (15, 16, 17A, 20, 22, 24, 26, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100)

Association of Professional Engineers of Ontario
APR. 19/24

PROJECT

7150 MISSISSAUGA RD.
MISSISSAUGA, ON
L5N 8M5

DATE

APR. 19/24

SCALE

AS-SHOWN

DWG TITLE

PROPOSED SPRINKLER LAYOUT - THIRD FLOOR

DATE

APR. 19/24

SCALE

AS-SHOWN

DWG NO.

FP-4

PROJECT NO.

22-0548

DWG NO.

FP-4

DATE

APR. 19/24

SCALE

AS-SHOWN

DWG NO.

FP-4

PROJECT NO.

22-0548