

# ÉCOLE ÉLÉMENTAIRE DU CHÊNE

## INTERIOR LIGHTING & LIGHTING CONTROLS UPGRADE

150 Ridge Drive, Oakville ON, L6H 1B8

OWNER

 **Conseil scolaire Viamonde**  
 Secteur de l'immobilisation, de l'entretien  
 et de la planification  
 116, Cornelius Parkway,  
 Toronto (Ontario) M6L 2K5  
 TÉL: (416)614-5920 FAX: (416)397-2054

ELECTRICAL CONSULTANT

**SURI & ASSOCIATES LTD.**  
 ENGINEERING CONSULTANTS  
 321 LAKESHORE ROAD WEST  
 PO BOX 59522  
 MISSISSAUGA, ONTARIO  
 L5H 4L1  
 T (905)-290-7861

ELECTRICAL  
 MECHANICAL  
 LIGHTING  
 COMMUNICATION  
 SECURITY

REQUEST FOR QUOTATION  
 MARCH 2026

CONSULTANTS LOGO

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No.	DATE	DESCRIPTION
2	MAR. 9,26	ISSUED FOR TENDER
1	FEB. 12,26	ISSUED FOR REVIEW

STAMP	NORTH
	



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LOCATION

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 DU CHÊNE  
 150 Ridge Drive  
 Oakville ON, L6H 1B8

PROJECT

LIGHTING SYSTEM REPLACEMENT

DRAWING TITLE

COVER SHEET

TDSB PROJECT No:	DRAWING No:
DATE: January 2026	EO of 6
SCALE: AS NOTED	
DRAWING BY: SP	
APPROVED BY: SS	

LEGEND	
\$	TOGGLE LIGHT SWITCH. 'K' DENOTES KEY SWITCH. '3' DENOTES 3-WAY SWITCH
Ⓛ	LIGHT DIMMER SWITCH. LUTRON DIVA SERIES #DVSTV-WH.
OS 'S1'	OCCUPANCY SENSOR, TYPE 'S1'. SEE LIGHTING CONTROL SCHEDULE FOR TYPE
'A1'	NEW LIGHT FIXTURE, TYPE 'A1'. CONNECT TO ADJACENT CIRCUIT SERVING LIGHTING SEE LIGHT FIXTURE SCHEDULE FOR TYPE AND DETAILS
□ □ R	EXISTING LIGHT FIXTURE TO BE REMOVED. REMOVE ALL REDUNDANT WIRING AND RACEWAYS
■	LIGHT FIXTURE CONNECTED TO EMERGENCY POWER SOURCE
○	WALL MOUNTED LIGHT FIXTURE
—	WALL MOUNTED LINEAR LIGHT FIXTURE
—	UNDERCABINET STRIP LIGHT
○	POT LIGHT
EX	DENOTES EXISTING DEVICE/EQUIPMENT TO REMAIN AS IS
R	DENOTES EXISTING DEVICE/EQUIPMENT TO BE REMOVED C/W REDUNDANT WIRING AND RACEWAYS TO THE SOURCE. MODIFY WIRING AND RACEWAYS TO MAINTAIN OPERATION OF EXISTING TO REMAIN DEVICES/EQUIPMENT, WHERE PRESENT
N	DENOTES NEW DEVICE/EQUIPMENT C/W NEW WIRING AND RACEWAYS
ER	DENOTES EXISTING DEVICE/EQUIPMENT TO BE RELOCATED. EXTEND WIRING AND RACEWAYS AS REQUIRED
RE	DENOTES RELOCATED POSITION OF AN EXISTING DEVICE/EQUIPMENT.
RP	DENOTES EXISTING DEVICE/EQUIPMENT TO BE REPLACED WITH NEW
◇	SEE NOTE #1
---	DASHED LINE DENOTES EXISTING EQUIPMENT/DEVICE TO BE REMOVED OR MODIFIED AS NOTED

ELECTRICAL DRAWINGS LIST	
E0	COVER SHEET
E1	ELECTRICAL LEGEND AND GENERAL NOTES
E2	FIRST FLOOR LIGHTING - EXISTING & DEMOLITION
E3	SECOND FLOOR LIGHTING - EXISTING & DEMOLITION
E4	FIRST FLOOR LIGHTING - NEW CONSTRUCTION
E5	SECOND FLOOR LIGHTING - NEW CONSTRUCTION
E6	LIGHTING FIXTURES & CONTROLS SCHEDULE

ELECTRICAL SPECIFICATIONS LIST	
16000	ELECTRICAL SPECIFICATIONS CONTENT
16010	ELECTRICAL GENERAL REQUIREMENTS
16050	BASIC MATERIALS AND METHODS
16500	LIGHTING SYSTEM
16550	LIGHTING CONTROLS

ARCHITECTURAL DRAWINGS LIST	
A101	REZ-DE-CHAUSSE
A102	DEUXIEME ÉTAGE

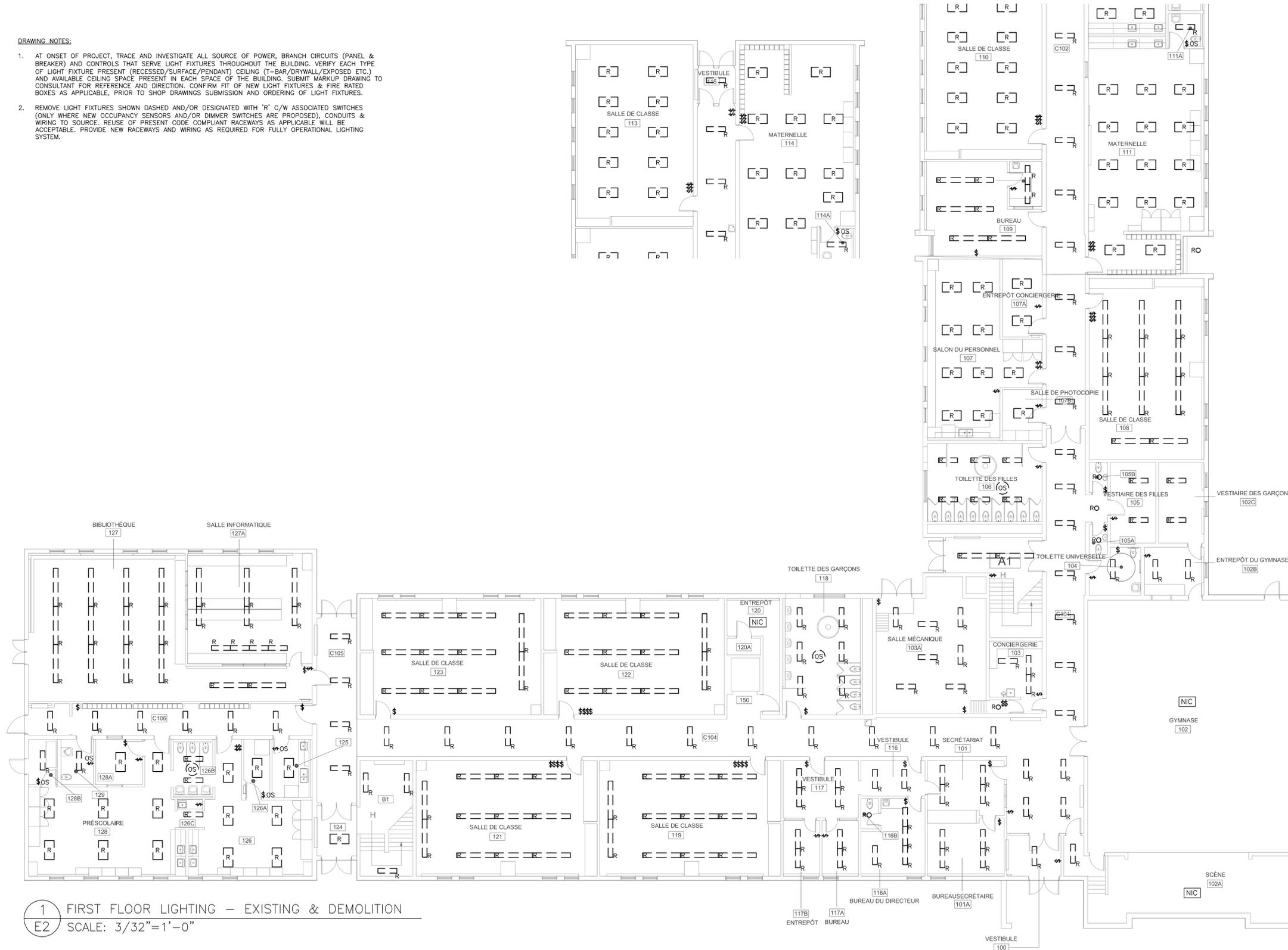
ARCHITECTURAL SPECIFICATIONS LIST	
09 51 13	ACOUSTIC PANEL CEILINGS
01 74 11	CLEANING
01 74 19	CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL
01 77 00	CLOSEOUT PROCEDURES

GENERAL NOTES	
1.	IT IS STRONGLY RECOMMENDED FOR THE CONTRACTOR AND ALL OF ITS SUBCONTRACTORS TO VISIT THE SITE TO VERIFY ALL EXISTING CONDITIONS (ARCHITECTURAL, ELECTRICAL, STRUCTURAL, MECHANICAL, ETC.) PRIOR TO PRICING. THESE DRAWING DO NOT SHOW ALL SUCH EXISTING SITE CONDITIONS. MAKE ALLOWANCE IN THE BID PRICE FOR DEVICES THAT REQUIRE REMOVAL/RELOCATION OF EXISTING SYSTEMS AND ELEMENTS AS REQUIRED TO SUIT THE DEMOLITION AND PROPOSED SCOPE OF WORK.
2.	CAREFULLY EXAMINE OTHER EXISTING UTILITY LINES SUCH AS GAS, WATER ETC. PRIOR TO STARTING CONSTRUCTION. REPORT OF ANY DISCREPANCY OR POTENTIAL ISSUE PRIOR TO PROCEEDING.
3.	THESE NOTES SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATIONS, FRONT END QUOTE DOCUMENTS AND ALL OTHER DOCUMENTS FORMING THE CONTRACT DOCUMENTS. THE ENTIRE DRAWING PACKAGE ALONG WITH THE SPECIFICATIONS MUST BE READ THOROUGHLY AND COMPLETELY PRIOR TO QUOTING AND COMMENCING WORK. REPORT OF ANY DISCREPANCIES PRIOR TO QUOTING. ALL INVESTIGATION WORK SHALL BE DONE OUTSIDE OF BUILDING OPERATING HOURS (AFTER HOURS AND WEEKENDS). ALL REMOVAL AND REPLACEMENT WORK SHALL BE DONE FROM JULY 2ND TO AUGUST 30, 2026.
4.	PRIOR TO COMMENCING THE DEMOLITION SCOPE OF WORK, EXAMINE CAREFULLY THE ELEMENTS OF THE EXISTING SYSTEMS TO BE REMOVED. FOR REASONS OF CLARITY, THE DRAWINGS DO NOT SHOW ALL BUILDING SERVICES LOCATED IN THE RENOVATION AREA OR ALL STRUCTURAL ELEMENTS. ALL BUILDING SERVICES AND OTHER UTILITIES NOT AFFECTED BY THIS WORK SHALL REMAIN OPERATIONAL. ANY DAMAGE TO BUILDING SERVICES, UTILITIES OR PROPERTY AFFECTED BY THE WORK SHALL BE PROMPTLY REPAIRED BY THE CONTRACTOR, AT NO COST TO THE BOARD.
5.	IT IS THE FULL RESPONSIBILITY OF THE CONTRACTOR FOR THOROUGHLY REVIEWING THE DESIGNATED SUBSTANCES SURVEY PREPARED FOR THIS PROJECT PRIOR TO PROCEEDING. ADVISE OF ANY POTENTIAL ISSUES OR HAZARDS IDENTIFIED THROUGH THE SURVEY OR ON SITE TO THE PROJECT MANAGER PRIOR TO PROCEEDING.
6.	AT ONSET OF PROJECT AND PRIOR TO PREPARATION OF SHOP DRAWINGS, CONFIRM FIT OF PROPOSED LIGHT FIXTURES THROUGHOUT THE BUILDING. ADVISE ANY DISCREPANCIES PRIOR TO SHOP DRAWINGS PREPARATION AND ORDERING OF LIGHT FIXTURES. SUBMIT SHOP DRAWING OF ALL LIGHT FIXTURES WITH PHOTOMETRIC STUDY OF SELECTED MAKE AND MODEL OF LIGHT FIXTURE AND LIGHTING CONTROL SYSTEMS TO THE ENGINEER FOR WRITTEN APPROVAL PRIOR TO ORDERING. MAKE ALL EQUIPMENT/DEVICE SELECTIONS PRIOR TO FORMAL SUBMISSION.
7.	THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL TEMPORARY LIGHTING AND POWER SERVICES AS REQUIRED TO FACILITATE THE SCOPE OF WORK, WHERE POWER IS LOCALLY ISOLATED TO FACILITATE THE SCOPE OF WORK.
8.	ALL TRACING AND VERIFYING OF EXISTING BRANCH CIRCUITS FOR REASONS OF ISOLATION IS THE RESPONSIBILITY OF THE CONTRACTOR.
9.	INCLUDE FOR REMOVAL OF EXISTING POWER WIRING & CONTROLS TO HOMERUN CONDUIT & JUNCTION BOXES ENTERING THE SPACE TO BE UPGRADED. PROVIDE ALL NEW WIRING AND CONTROLS IN CONDUIT FOR FULLY OPERATIONAL LIGHTING SYSTEM. ALL POWER WIRING SHALL BE PROVIDED IN STAR WIRING TOPOLOGY FROM HOME RUN CONDUIT SYSTEM. USE OF ARMoured (BX) CABLES WITH GROUNDED CABLE SHALL NOT EXCEED 6'-0". NO DAISY CHAIN WIRING METHOD SHALL BE USED.
10.	INCLUDE FOR REMOVAL OF SAFETY CHAINS WHERE PRESENT C/W ALL BRACKETS AND ACCESSORIES. ALL NEW AND AFFECTED LIGHT FIXTURES SHALL BE PROVIDED WITH NEW SAFETY CHAINS AND/OR AIRCRAFT CABLES SECURED TO BUILDING STRUCTURE. ENSURE WEIGHT OF NEW LIGHT FIXTURES IS NOT BORN BY CEILING SYSTEM AND/OR ITS HANGERS. WHERE BUILDING STRUCTURE MEMBERS ARE SPACED APART OR STARLIGHT ATTACHMENT POINTS ARE NOT AVAILABLE DUE TO EXISTING ELEMENTS SUCH AS DUCTWORK, PIPING ETC., PROVIDE ADDITIONAL UNISTRUTS AS REQUIRED SUSPENDED FOR BUILDING STRUCTURE OR SECURED TO CREATE SECURED POINTS FOR SAFETY CHAINS/AIRCRAFT CABLES.
11.	ALL DISPOSAL OF EXISTING LIGHT FIXTURES, LAMPS, BALLASTS AND LIGHTING CONTROL SYSTEMS SHALL BE DONE IN FULL ACCORDANCE WITH REGULATORY REQUIREMENTS. OBTAIN AND PAY FOR ALL RECYCLING CERTIFICATES AND SUBMIT TO THE OWNER PRIOR TO PROJECT CLOSEOUT.
12.	ARRANGE AND PAY FOR ALL INSPECTIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION INCLUDING, BUT NOT LIMITED TO, THE ELECTRICAL SAFETY AUTHORITY.
13.	THIS PROJECT IS TAKING PART IN THE SAVE-ON-ENERGY INCENTIVE PROGRAM. THE CONTRACTOR IS RESPONSIBLE TO THOROUGHLY REVIEW ALL PROGRAM REQUIREMENTS AS IT MAY APPLY TO THE SCOPE OF WORK. ALL DOCUMENTATION REQUIRED FOR SECURING AND INCENTIVE AMOUNTS SHALL BE PROVIDED BY THE CONTRACTOR AT NO COST TO THE BOARD PRIOR TO PROJECT COMPLETION.
14.	WORKING HOURS SHALL BE STRICTLY IN ACCORDANCE WITH FRONT END QUOTATION DOCUMENTS AND OUTSIDE OF BUILDING'S OPERATION.
15.	THE DEMOLITION AND NEW SCOPE OF WORK SHALL BE CARRIED OUT WITH EXTREME CARE TO NOT DISTURB SURROUNDING SYSTEMS, DEVICES OR EQUIPMENT (FIRE DETECTORS, WIRELESS ACCESS POINTS, ETC.). WHERE SUCH SYSTEMS, DEVICES OR EQUIPMENT ARE DISTURBED ACCIDENTALLY, REINSTATE TO ITS ORIGINAL CONDITION AT NO EXTRA COST TO THE CONTRACT. VERIFY OPERATION OF EXISTING DEVICES AS PER CODE MANDATES.
16.	ALL STORAGE OF FIXTURES FROM RECEIPT TILL INSTALLATION SHALL BE BY THE CONTRACTOR OFFSITE UNTIL SUCH TIME THAT THE FIXTURES WILL BE INSTALLED. LIMITED STORAGE SPACE WILL BE PROVIDED ON SITE FOR THE CONTRACTOR TO UTILIZE. REMOVAL OF THE FIXTURES FROM SITE SHALL BE DONE ON A DAILY BASIS. PROVIDE LOCKABLE BINS FOR DISPOSAL OF EXISTING AND STORING OF NEW MATERIALS AS REQUIRED WITHOUT AFFECTING SCHOOL OPERATION AT ALL TIMES.
17.	ALL PATCHING AND MAKING GOOD OF EXISTING SURFACES SHALL BE PERFORMED BY TRADES SPECIALIZING IN SUCH WORK ONLY AND SHALL BE COMPLETED UNDER THIS CONTRACT UNDER THE BASE BID PRICE. INCLUDE FOR REPLACEMENT OF CEILING TILES TO MATCH EXISTING (FIRE RATING, SIZE, COLOUR, ETC.) WHERE REPLACEMENT IS REQUIRED DUE TO DAMAGE OR AFFECTED DUE TO PROJECT REQUIRED SCOPE OF WORK.
18.	ALL EXPOSED JUNCTION BOXES COVERS IN FINISHED AREAS (CLASSROOMS, OFFICES, CORRIDORS, WASHROOMS ETC.) SHALL BE PAINTED TO MATCH EXISTING. USE OF BOXES FROM WIREMOLD OR CAST ALUMINIUM SHALL BE USED. NO SHEET METAL BACKBOXES WILL BE ACCEPTED.
19.	ALL REPLACEMENT POT LIGHTS ARE SMALLER THAN THE EXISTING POT LIGHTS. INCLUDE FOR PATCHING, REPAIRING AND PAINTING OF THE CEILING TO MATCH & SUIT THE NEW POT LIGHT SIZE.
20.	NO STORAGE AREA(S) WITHIN THE BUILDING WILL BE AVAILABLE. BIDDERS SHALL INCLUDE FOR LOCKABLE STORAGE TRAILERS/BINS TO BE LOCATED ON SITE AT LOCATION TO BE COORDINATED WITH SCHOOL BOARD REPRESENTATIVES.
21.	INCLUDE FOR THE REPLACEMENT OF EXISTING TEN (10) INCANDESCENT BULBS WITH TWELVE (12) NEW A19 LED BULBS (5000K, 1500 LUMENS, PHILIPS OR EQUAL MAKE) AS ADVISED ON SITE. NO FIXTURE REPLACEMENT REQUIRED.
22.	AT ONSET OF PROJECT, CONTRACTOR SHALL TRACE AND INVESTIGATE ALL LIGHT FIXTURES CONNECTED TO NORMAL AND EMERGENCY POWER BRANCH CIRCUITS (PANEL & BREAKER NUMBER) AND THEIR SOURCE VOLTAGE. ENSURE LIGHT FIXTURES TO BE REPLACED ARE ORDERED AND CONNECTED TO NORMAL AND EMERGENCY POWER BRANCH CIRCUIT AS PRESENT. WHERE EXISTING LIGHT FIXTURES ON EMERGENCY POWER ARE SWITCHED, ENSURE ADDED OCCUPANCY SENSOR & ASSOCIATED POWER PACKS ARE FED FROM SUCH EMERGENCY POWER BRANCH CIRCUIT. LIGHT FIXTURES CONNECTED TO EMERGENCY POWER CIRCUIT SHALL BE IDENTIFIED BY RED DOT. SUBMIT DRAWINGS WITH AS FOUND CONDITIONS
23.	ALL FIXTURE TO BE SET TO DESIGNED WATTAGE @ 4000K, EXCEPT FOR FIXTURES THAT ARE NOT WATTAGE OR COLOR TUNABLE. CONFIRM WITH CONSULTANT AND SCHOOL BOARD PRIOR TO SETTING. ALLOW IN BID PRICE FROM TWO (2) ADDITIONAL SETTING CHANGES AFTER INITIAL SETUP IS COMPLETED AND CONTRACTOR IS OFF SITE, AS REQUESTED BY USER GROUP OR SCHOOL BOARD.
24.	0-10V DIMMING LINES TO BE RUN FROM SWITCHES TO THE NEWLY PROVIDED LED FIXTURES IN ALL CLASSROOMS, EXCEPT FOR SHOP CLASSROOMS. CONTRACTOR TO PROVIDE THIS WIRING AND RACEWAYS AS WELL AS ANY ASSOCIATED MATERIAL TO ACCOMPLISH THIS FEATURE.
25.	SWITCHES TO BE REPLACED IN ALL CLASSROOMS, EXCEPT FOR SHOP CLASSROOMS, WITH LUTRON DIVA DIMMERS. PROVIDE ALL REQUIRED PARTS, BACKBOXES, RACEWAYS, WIRING FOR COMPLETE OPERATIONAL DIMMING SYSTEM.
26.	ALL WORK TO BE PERFORMED OUTSIDE OF REGULAR SCHOOL OPERATING HOURS.
27.	CONTRACTOR TO PROVIDE THEIR OWN SCISSOR LIFT, AS WELL AS ANY OTHER EQUIPMENT TO REACH THE DESIRED LOCATIONS TO PERFORM WORK AS REQUIRED.
28.	DISPOSAL OF FIXTURES AND LAMPS TO BE DONE BY THE CONTRACTOR.
29.	ESA PERMIT AND CERTIFICATE TO BE PROVIDED BY CONTRACTOR AWARDED THE JOB.
30.	INCLUDE IN BID PRICE: <ul style="list-style-type: none"> <li>.1 CEILING REWORK, INCLUDING TILE CUTTING AND PROVIDING ADDITIONAL TEES &amp; HANGERS, WHERE EXISTING SURFACE MOUNTED LIGHT FIXTURES ARE TO BE REMOVED AND REPLACED WITH NEW RECESSED FLAT PANELS. REPLACE AFFECTED (BROKEN, DAMAGED, DISCOLORED ETC.) CEILING TILES. ALLOW FOR FIRE RATED CEILING TILES TO MATCH AS PRESENT IN THE BUILDING.</li> <li>.2 REMOVAL OF ADDITIONAL (ABOVE AND BEYOND THOSE SHOWN ON DRAWINGS) TEN (10) SWITCHES &amp; ASSOCIATED RACEWAY AND WIRING TO SOURCE, WHERE NEW DIMMERS ARE PROPOSED.</li> </ul>
31.	INCLUDE IN BID PRICE: <ul style="list-style-type: none"> <li>.1 CEILING TILES REPLACEMENT IN AREAS SHOWN HATCHED ON DRAWING A201 AND A202.</li> <li>.2 INCLUDE FOR REMOVAL, REINSTALLATION AND VERIFICATION OF TWENTY FIVE (25 NOS.) FIRE DETECTORS.</li> <li>.3 INCLUDE FOR REMOVAL, REINSTALLATION AND VERIFICATION OF FIFTEEN (15 NOS.) PA SPEAKERS.</li> <li>.4 INCLUDE FOR REMOVAL, REINSTALLATION AND VERIFICATION OF FIFTEEN (15 NOS.) EMERGENCY LIGHTING REMOTE HEADS.</li> <li>.5 INCLUDE FOR REMOVAL, REINSTALLATION AND VERIFICATION OF FIFTEEN (15 NOS.) EXIT SIGNS.</li> </ul>

CONSULTANTS LOGO		
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321 LAKESHORE ROAD WEST PO BOX 59522 MISSISSAUGA, ONTARIO L5H 4L1 T (905)-290-7861		ELECTRICAL MECHANICAL LIGHTING COMMUNICATION SECURITY
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PROJECT		
LIGHTING SYSTEM REPLACEMENT		
DRAWING TITLE		
ELECTRICAL LEGEND AND GENERAL NOTES		
TDSB PROJECT No:		DRAWING No
DATE:	January 2026	<b>E1</b> of 6
SCALE:	AS NOTED	
DRAWING BY:	SP	
APPROVED BY:	SS	

**DRAWING NOTES:**

1. AT ONSET OF PROJECT, TRACE AND INVESTIGATE ALL SOURCE OF POWER, BRANCH CIRCUITS (PANEL & BREAKER) AND CONTROLS THAT SERVE LIGHT FIXTURES THROUGHOUT THE BUILDING. VERIFY EACH TYPE OF LIGHT FIXTURE PRESENT (RECESSED/SURFACE/PENDANT) CEILING (T-BAR/DRYWALL/EXPOSED ETC.) AND AVAILABLE CEILING SPACE PRESENT IN EACH SPACE OF THE BUILDING. SUBMIT MARKUP DRAWING TO CONSULTANT FOR REFERENCE AND DIRECTION. CONFIRM FIT OF NEW LIGHT FIXTURES & FIRE RATED BOXES AS APPLICABLE, PRIOR TO SHOP DRAWINGS SUBMISSION AND ORDERING OF LIGHT FIXTURES.
2. REMOVE LIGHT FIXTURES SHOWN DASHED AND/OR DESIGNATED WITH 'R' C/W ASSOCIATED SWITCHES (ONLY WHERE NEW OCCUPANCY SENSORS AND/OR DIMMER SWITCHES ARE PROPOSED), CONDUITS & WIRING TO SOURCE. REUSE OF PRESENT CODE COMPLIANT RACEWAYS AS APPLICABLE WILL BE ACCEPTABLE. PROVIDE NEW RACEWAYS AND WIRING AS REQUIRED FOR FULLY OPERATIONAL LIGHTING SYSTEM.



1 FIRST FLOOR LIGHTING – EXISTING & DEMOLITION  
 E2 SCALE: 3/32"=1'-0"

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PROJECT

LIGHTING SYSTEM REPLACEMENT

DRAWING TITLE

FIRST FLOOR LIGHTING – EXISTING AND DEMOLITION

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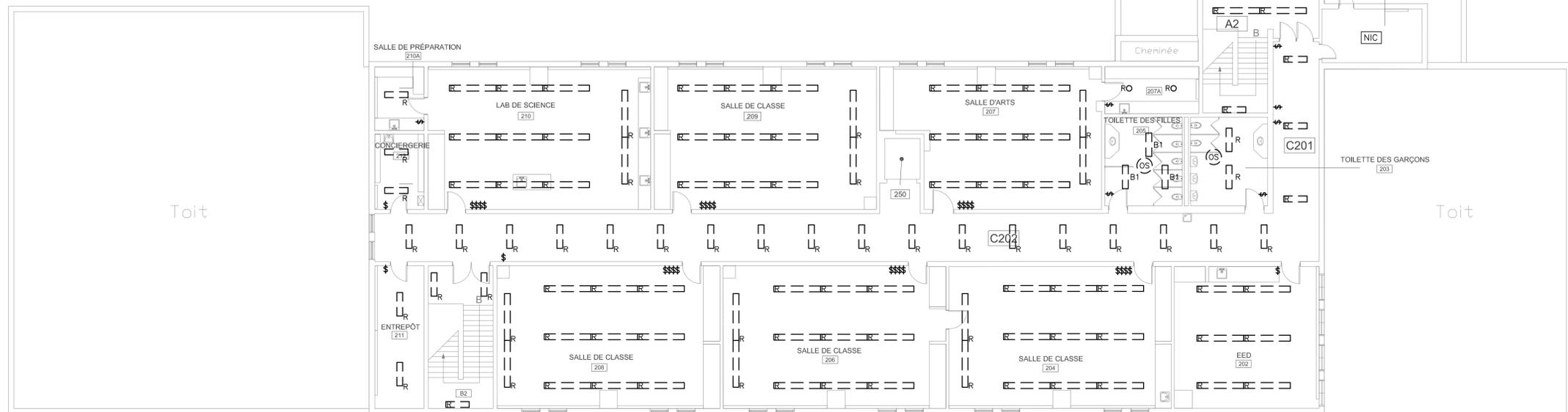
PROJECT

LIGHTING SYSTEM REPLACEMENT

DRAWING TITLE

SECOND FLOOR LIGHTING - EXISTING AND DEMOLITION

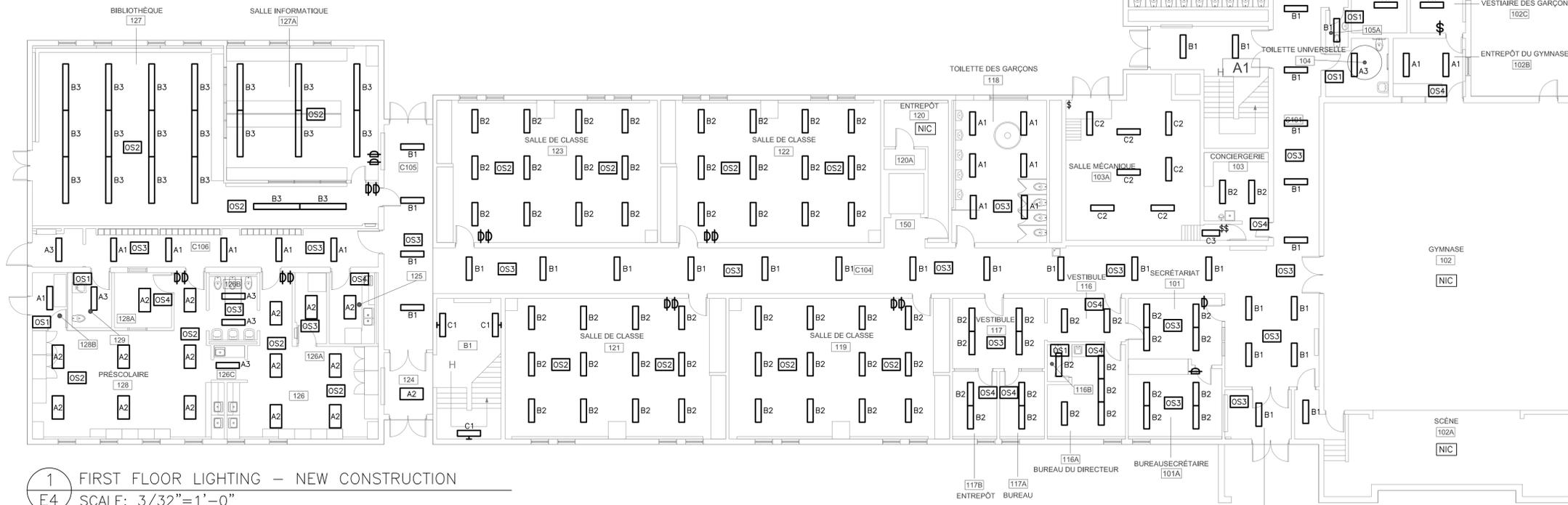
TDSB PROJECT No:	DRAWING No:
DATE: January 2026	E3 of 6
SCALE: AS NOTED	
DRAWING BY: SP	
APPROVED BY: SS	



1 SECOND FLOOR LIGHTING - EXISTING & DEMOLITION  
E3 SCALE: 3/32"=1'-0"

**DRAWING NOTES:**

1. PROVIDE NEW LED LIGHT FIXTURES AS SHOWN OF TYPE AS NOTED C/W CONDUIT & WIRING TO SOURCE WIRING OUTSIDE OF THE SPACE. ENSURE LIGHT FIXTURES ARE DISTRIBUTED AND INSTALLED TO PROVIDE UNIFORM AND OPTIMUM ILLUMINATION ON FLOOR AND WALLS. DO NOT LOCATE LIGHT FIXTURES MORE THAN 4'-0" FROM END WALL. FOR ANY DISCREPANCY AND CONCERN, ADVISE PROJECT MANAGER AND/OR CONSULTANT FOR DIRECTION PRIOR TO INSTALLATION.
2. PROVIDE NEW DIMMER SWITCHES, AS SHOWN ON THE DRAWING, FOR SPACES SHOWN WITH MULTIPLE DIMMER SWITCHES. IN GENERAL EACH SWITCH SHALL CONTROL EQUAL NUMBER OF LIGHT FIXTURES. GROUPING OF LIGHT FIXTURES SHALL BE DONE TO SUIT OVERHEAD PROJECTOR PRESENTATION/TEACHING WALL/WINDOWS ETC. EXACT ZONING FOR EACH SPACE SHALL BE VERIFIED ON SITE AND CONFIRMED WITH CONSULTANT AND SCHOOL BOARD. PROVIDE 0-10VOLT WIRING FROM DIMMER SWITCHES SHOWN IN EACH SPACE. INCLUDE IN BID PRICE FOR HIGHEST OF ALL THE LIKELY SCENARIOS BASED ON STATED REQUIREMENT.
3. ALL NEW LIGHT FIXTURES ON NORMAL POWER SHALL BE CONTROLLED BY DIMMER AND STANDARD SWITCHES AS SHOWN. FOR ALL OTHER AREAS, WHERE NEW SWITCHES ARE NOT SHOWN, THE CONTROLS SHALL REMAIN EXISTING.
4. ALL LIGHT FIXTURES TYPES DENOTED WITH 'N' ARE NEW LOCATIONS AND ARE TO BE WIRED TO CONTROLLED BRANCH CIRCUITS SERVING THE AREA.
5. PROVIDE NEW WALL MOUNTED OCCUPANCY SENSOR SWITCH TYPE 'OS1' TO CONTROL NEW LIGHT FIXTURES AS SHOWN.
6. PROVIDE NEW CEILING MOUNTED OCCUPANCY SENSOR SWITCH TYPE 'OS2' C/W POWER PACKS TO CONTROL NEW LIGHT FIXTURES AS SHOWN. PROVIDE DIMMER SWITCHES DOWNSTREAM OF THE POWER PACKS. PROVIDE 0-10VOLT WIRING FROM DIMMER SWITCHES TO DIM LIGHT FIXTURES IN THE SPACE.
7. PROVIDE NEW CEILING MOUNTED OCCUPANCY SENSOR SWITCH TYPE 'OS3' C/W POWER PACKS TO CONTROL NEW LIGHT FIXTURES AS SHOWN.
8. PROVIDE NEW WALL MOUNTED OCCUPANCY SENSOR SWITCH TYPE 'OS4' TO CONTROL NEW LIGHT FIXTURES AS SHOWN. PROVIDE 0-10VOLT WIRING FROM OCCUPANCY SENSOR/DIMMER SWITCH TO DIM LIGHT FIXTURES IN THE SPACE.



1 FIRST FLOOR LIGHTING - NEW CONSTRUCTION  
 E4 SCALE: 3/32" = 1'-0"

CONSULTANTS LOGO

**SURI & ASSOCIATES LTD.**  
 ENGINEERING CONSULTANTS

321 LAKESHORE ROAD WEST  
 PO BOX 59522  
 MISSISSAUGA, ONTARIO  
 L5H 4L1  
 T (905)-290-7861

ELECTRICAL  
 MECHANICAL  
 LIGHTING  
 COMMUNICATION  
 SECURITY

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No.	DATE	DESCRIPTION
2	MAR. 9,26	ISSUED FOR TENDER
1	FEB. 12,26	ISSUED FOR REVIEW

STAMP	NORTH



Secteur de l'immobilisation, de l'entretien et de la planification

116, Cornélius Parkway,  
 Toronto (Ontario) M6L 2K5  
 TÉL: (416)614-5920 FAX: (416)397-2054

LOCATION

ÉCOLE ÉLÉMENTAIRE  
 DU CHÊNE  
 150 Ridge Drive  
 Oakville ON, L6H 1B8

PROJECT

LIGHTING SYSTEM REPLACEMENT

DRAWING TITLE

FIRST FLOOR LIGHTING - NEW CONSTRUCTION

TDSB PROJECT No:

DATE: January 2026

SCALE: AS NOTED

DRAWING BY: SP

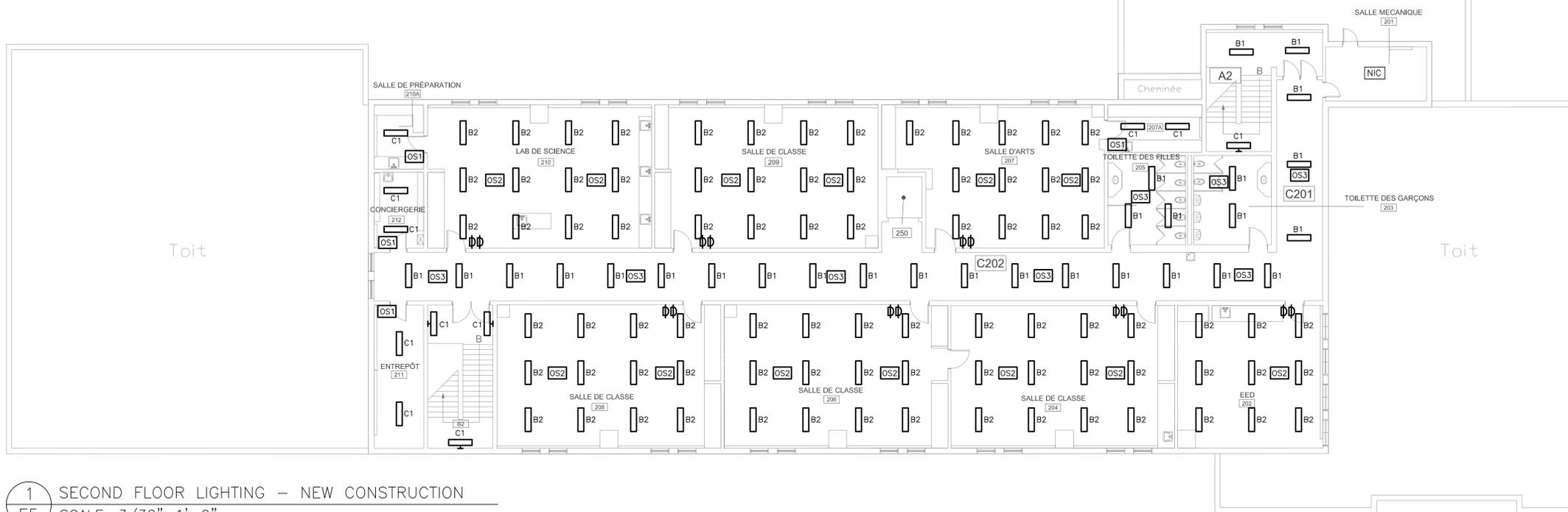
APPROVED BY: SS

DRAWING No: E4

of 6

**DRAWING NOTES:**

1. PROVIDE NEW LED LIGHT FIXTURES AS SHOWN OF TYPE AS NOTED C/W CONDUIT & WIRING TO SOURCE WIRING OUTSIDE OF THE SPACE. ENSURE LIGHT FIXTURES ARE DISTRIBUTED AND INSTALLED TO PROVIDE UNIFORM AND OPTIMUM ILLUMINATION ON FLOOR AND WALLS. DO NOT LOCATE LIGHT FIXTURES MORE THAN 4'-0" FROM END WALL. FOR ANY DISCREPANCY AND CONCERN, ADVISE PROJECT MANAGER AND/OR CONSULTANT FOR DIRECTION PRIOR TO INSTALLATION.
2. PROVIDE NEW DIMMER SWITCHES, AS SHOWN ON THE DRAWING. FOR SPACES SHOWN WITH MULTIPLE DIMMER SWITCHES, IN GENERAL EACH SWITCH SHALL CONTROL EQUAL NUMBER OF LIGHT FIXTURES. GROUPING OF LIGHT FIXTURES SHALL BE DONE TO SUIT OVERHEAD PROJECTOR PRESENTATION/TEACHING WALL/WINDOWS ETC. EXACT ZONING FOR EACH SPACE SHALL BE VERIFIED ON SITE AND CONFIRMED WITH CONSULTANT AND SCHOOL BOARD. PROVIDE 0-10VOLT WIRING FROM DIMMER SWITCHES SHOWN IN EACH SPACE. INCLUDE IN BID PRICE FOR HIGHEST OF ALL THE LIKELY SCENARIOS BASED ON STATED REQUIREMENT.
3. ALL NEW LIGHT FIXTURES ON NORMAL POWER SHALL BE CONTROLLED BY DIMMER AND STANDARD SWITCHES AS SHOWN. FOR ALL OTHER AREAS, WHERE NEW SWITCHES ARE NOT SHOWN, THE CONTROLS SHALL REMAIN EXISTING.
4. ALL LIGHT FIXTURES TYPES DENOTED WITH 'N' ARE NEW LOCATIONS AND ARE TO BE WIRED TO CONTROLLED BRANCH CIRCUITS SERVING THE AREA.
5. PROVIDE NEW WALL MOUNTED OCCUPANCY SENSOR SWITCH TYPE 'OS1' TO CONTROL NEW LIGHT FIXTURES AS SHOWN.
6. PROVIDE NEW CEILING MOUNTED OCCUPANCY SENSOR SWITCH TYPE 'OS2' C/W POWER PACKS TO CONTROL NEW LIGHT FIXTURES AS SHOWN. PROVIDE DIMMER SWITCHES DOWNSTREAM OF THE POWER PACKS. PROVIDE 0-10VOLT WIRING FROM DIMMER SWITCHES TO DIM LIGHT FIXTURES IN THE SPACE.
7. PROVIDE NEW CEILING MOUNTED OCCUPANCY SENSOR SWITCH TYPE 'OS3' C/W POWER PACKS TO CONTROL NEW LIGHT FIXTURES AS SHOWN.
8. PROVIDE NEW WALL MOUNTED OCCUPANCY SENSOR SWITCH TYPE 'OS4' TO CONTROL NEW LIGHT FIXTURES AS SHOWN. PROVIDE 0-10VOLT WIRING FROM OCCUPANCY SENSOR/DIMMER SWITCH TO DIM LIGHT FIXTURES IN THE SPACE.



1 SECOND FLOOR LIGHTING - NEW CONSTRUCTION  
 E5 SCALE: 3/32"=1'-0"

CONSULTANTS LOGO

**SURI & ASSOCIATES LTD.**  
 ENGINEERING CONSULTANTS

321 LAKESHORE ROAD WEST  
 PO BOX 59522  
 MISSISSAUGA, ONTARIO  
 L5H 4L1  
 T (905)-290-7861

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**Conseil scolaire Viamonde**

Secteur de l'immobilisation, de l'entretien et de la planification

116, Cornelius Parkway,  
 Toronto (Ontario) M6L 2K5  
 TÉL: (416)614-5920 FAX: (416)397-2054

LOCATION

ÉCOLE ÉLÉMENTAIRE  
 DU CHÊNE  
 150 Ridge Drive  
 Oakville ON, L6H 1B8

PROJECT

LIGHTING SYSTEM REPLACEMENT

DRAWING TITLE

SECOND FLOOR LIGHTING - NEW CONSTRUCTION

TDSB PROJECT No: DRAWING No

DATE: January 2026

SCALE: AS NOTED

DRAWING BY: SP

APPROVED BY: SS

E5  
 of 6

**LIGHT FIXTURES SCHEDULE**

TYPE (ON DWG.)	BASE BID PRODUCT MANUFACTURER	MODEL NO.	SIZE/ MOUNTING	LUMEN PACKAGE	COLOUR TEMPERATURE	WATTAGE	VOLTAGE	REMARKS	RETROFIT DESCRIPTION	APPROVED EQUALS FROM:
'A1'	CURRENT LIGHTING	LCAT14-S-40L036G-ED1U	1'X4' RECESSED; T-BAR CEILING	3662	4000K	24 WATTS	120V	DLC APPROVED & LISTED	REPLACE EXISTING RECESSED TROFFER WITH NEW RECESSED LED LIGHT FIXTURE	ACUTY, STANPRO
'A2'	CURRENT LIGHTING	LCAT24-S-40L036G-ED1U	2'X4' RECESSED; T-BAR CEILING	3662	4000K	24 WATTS	120V	DLC APPROVED & LISTED	REPLACE EXISTING RECESSED TROFFER WITH NEW RECESSED LED LIGHT FIXTURE	ACUTY, STANPRO
'A3'	CURRENT LIGHTING	LCAT14-S-40L036G-ED1U	1'X4' RECESSED; DRYWALL CEILING	3662	4000K	24 WATTS	120V	DLC APPROVED & LISTED	REPLACE EXISTING RECESSED TROFFER WITH NEW RECESSED LED LIGHT FIXTURE	ACUTY, STANPRO
'B1'	CURRENT LIGHTING	RLW4-40MW-FAW-EDU	4' LONG; SURFACE-MOUNTED	3800	4000K	40 WATTS	120V	DLC APPROVED & LISTED	REPLACE EXISTING SURFACE MOUNTED FLUORESCENT FIXTURE WITH NEW SURFACE MOUNTED LED FIXTURE. SUITABLE FOR ROW MOUNTING	ACUTY, STANPRO
'B2'	METALUMEN LIGHTING	RM4D-1L40K-4'-GA-MB-W-L4-S-1-B0	4' LONG; SURFACE-MOUNTED	4565	4000K	50 WATTS	120V	-	REPLACE EXISTING SURFACE MOUNTED FLUORESCENT FIXTURE WITH NEW SURFACE MOUNTED LED FIXTURE. SUITABLE FOR ROW MOUNTING	ACUTY, STANPRO
'B3'	METALUMEN LIGHTING	RM4D-1L40K-8'-GA-MB-W-L4-S-1-B0	8' LONG; SURFACE-MOUNTED	9130	4000K	100 WATTS	120V	-	REPLACE EXISTING SURFACE MOUNTED FLUORESCENT FIXTURE WITH NEW SURFACE MOUNTED LED FIXTURE. SUITABLE FOR ROW MOUNTING	ACUTY, STANPRO
'C1'	PEERLESS ELECTRIC	NSL-RA-4'-29-40K-W-MV	4' LONG; SURFACE MOUNTED	4000	4000K	33 WATTS	120V	DLC APPROVED & LISTED	REPLACE EXISTING SURFACE MOUNTED FLUORESCENT FIXTURE WITH NEW SURFACE MOUNTED LED FIXTURE	ACUTY, STANPRO
'C2'	PEERLESS ELECTRIC	NSL-RA-4'-29-40K-W-MV	4' LONG; PENDANT MOUNTED	4000	4000K	33 WATTS	120V	DLC APPROVED & LISTED	REPLACE EXISTING PENDANT MOUNTED FLUORESCENT FIXTURE WITH NEW PENDANT MOUNTED LED FIXTURE. PROVIDE AIRCRAFT CABLES.	ACUTY, STANPRO
'C3'	PEERLESS ELECTRIC	NSL-RA-2'-23-40K-W-MV	4' LONG; SURFACE-MOUNTED	2300	4000K	22 WATTS	120V	DLC APPROVED & LISTED	REPLACE EXISTING SURFACE-MOUNTED FLUORESCENT FIXTURE WITH NEW SURFACE-MOUNTED LED FIXTURE	ACUTY, STANPRO

**NOTES:**

1. THE CONTRACTOR MUST SUBMIT SHOP DRAWINGS OF ALL LIGHT FIXTURES TO THE ELECTRICAL ENGINEER FOR APPROVAL PRIOR TO ORDERING ANY LIGHT FIXTURES.
2. THE CONTRACTOR MUST SUPPLY ALL ACCESSORIES REQUIRED TO COMPLETE THE INSTALLATION OF THE ABOVE MENTIONED LIGHTS AS REQUIRED TO SUIT THE PROPOSED SURFACES, WHERE AVAILABLE, ACCESSORIES MUST BE OF THE SAME MANUFACTURER AND STYLE AS THE LIGHT FIXTURE.
3. VERIFY SOURCE VOLTAGE OF ALL EXISTING BRANCH CIRCUITS SERVING LIGHTING PRIOR TO ORDERING. ANY CHANGES IN VOLTAGES MUST BE PRESENTED TO THE CONSULTANT PRIOR TO RELEASE OF SHOP DRAWINGS. ORDER NEW FIXTURES TO MATCH EXISTING SOURCE VOLTAGE.
4. WHERE MULTIPLE FIXTURES ARE SHOWN TO BE INSTALLED IN A CONTINUOUS LENGTH, FIXTURES SHALL BE CONNECTED TOGETHER BY THE INSTALLING CONTRACTOR WHERE THE FIXTURE PERMITS FASTENING TO ONE ANOTHER FOR CONTINUOUS ROW MOUNTING.

**LIGHTING CONTROL SCHEDULE**

TYPE (ON DWG.)	BASE PRODUCT MANUFACTURER	MODEL NO.	DETECTION MODE	MOUNTING	VOLTAGE	OPERATING MODE	COLOUR	REMARKS	APPROVED ALTERNATIVES FROM:
'OS1'	CURRENT LIGHTING	LHRM1S1-N-WH	DUAL TECHNOLOGY	WALL MOUNTED	120V SEE NOTE #2	STANDARD	WHITE	NON-DIMMING CAPABILITY	ACUTY; LEVITON; LUTRON
'OS2'	CURRENT LIGHTING	NXSMDT-OMNI	DUAL TECHNOLOGY	CEILING MOUNTED	120V SEE NOTE #2	STANDARD	WHITE	CEILING MOUNTED OCCUPANCY SENSOR C/W POWER PACKS. PROVIDE WALL MOUNTED DIMMER SWITCHES DOWNSTREAM OF POWER PACKS AND 0-10V WIRING TO ALL LIGHT FIXTURES IN THE ROOM/ZONE	ACUTY; LEVITON; LUTRON
'OS3'	CURRENT LIGHTING	NXSMDT-OMNI	DUAL TECHNOLOGY	CEILING MOUNTED	120V SEE NOTE #2	STANDARD	WHITE	CEILING MOUNTED OCCUPANCY SENSOR C/W POWER PACK.	ACUTY; LEVITON; LUTRON
'OS4'	CURRENT LIGHTING	LHRMMS2-N-WH	DUAL TECHNOLOGY	WALL MOUNTED	120V SEE NOTE #2	STANDARD	WHITE	DIMMING CAPABILITY: STANDARD MIN AND MAX DIM LEVELS. PROVIDE 0-10V WIRING TO ALL LIGHT FIXTURES IN THE ROOM/ZONE	ACUTY; LEVITON; LUTRON

**NOTES:**

1. THE CONTRACTOR MUST SUBMIT SHOP DRAWINGS OF ALL LIGHTING CONTROL DEVICES AND SYSTEMS TO THE ELECTRICAL ENGINEER FOR APPROVAL PRIOR TO ORDERING.
2. VERIFY SOURCE VOLTAGE OF ALL EXISTING BRANCH CIRCUITS SERVING THE LIGHTING. ORDER NEW LIGHTING CONTROL DEVICES TO SUIT.
3. TIMEOUT TIME TO BE 10 MINUTES FOR WALL MOUNTED SENSORS AND 20 MINUTES FOR CEILING/FIXTURE MOUNTED SENSORS.
4. TYPE 'OS2' & 'OS3' SENSORS SHALL BE CEILING MOUNTED WHEREVER POSSIBLE. PROPOSED LOCATION ON DRAWING IS FOR GENERAL INTENT ONLY. LOCATE ALL SENSORS AS PER THE MANUFACTURER'S RECOMMENDATIONS AND FOR OPTIMAL COVERAGE.
5. FOR TYPE 'OS2' SENSORS, PROVIDE TWO (2) POWER PACKS PER SENSOR IN ALL AREAS WHERE THE FIXTURE COUNT IN THE ROOM/AREA IS TWELVE OR LESS. FOR ALL GREATER FIXTURE COUNTS, PROVIDE 3 POWER PACKS PER SENSOR. PROVIDE A TOTAL OF 16 SPARE POWER PACKS ABOVE AND BEYOND THE REQUIRED QUANTITY FOR SPARE PARTS FOR THE BOARD.

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ÉCOLE ÉLÉMENTAIRE  
DU CHÊNE  
150 Ridge Drive  
Oakville ON, L6H 1B8

PROJECT

LIGHTING SYSTEM REPLACEMENT

DRAWING TITLE

LIGHTING FIXTURE SCHEDULE

TDSB PROJECT No:	DRAWING No:
DATE: January 2026	<div style="font-size: 2em; font-weight: bold;">E6</div> <div>of 6</div>
SCALE: AS NOTED	
DRAWING BY: SP	
APPROVED BY: SS	