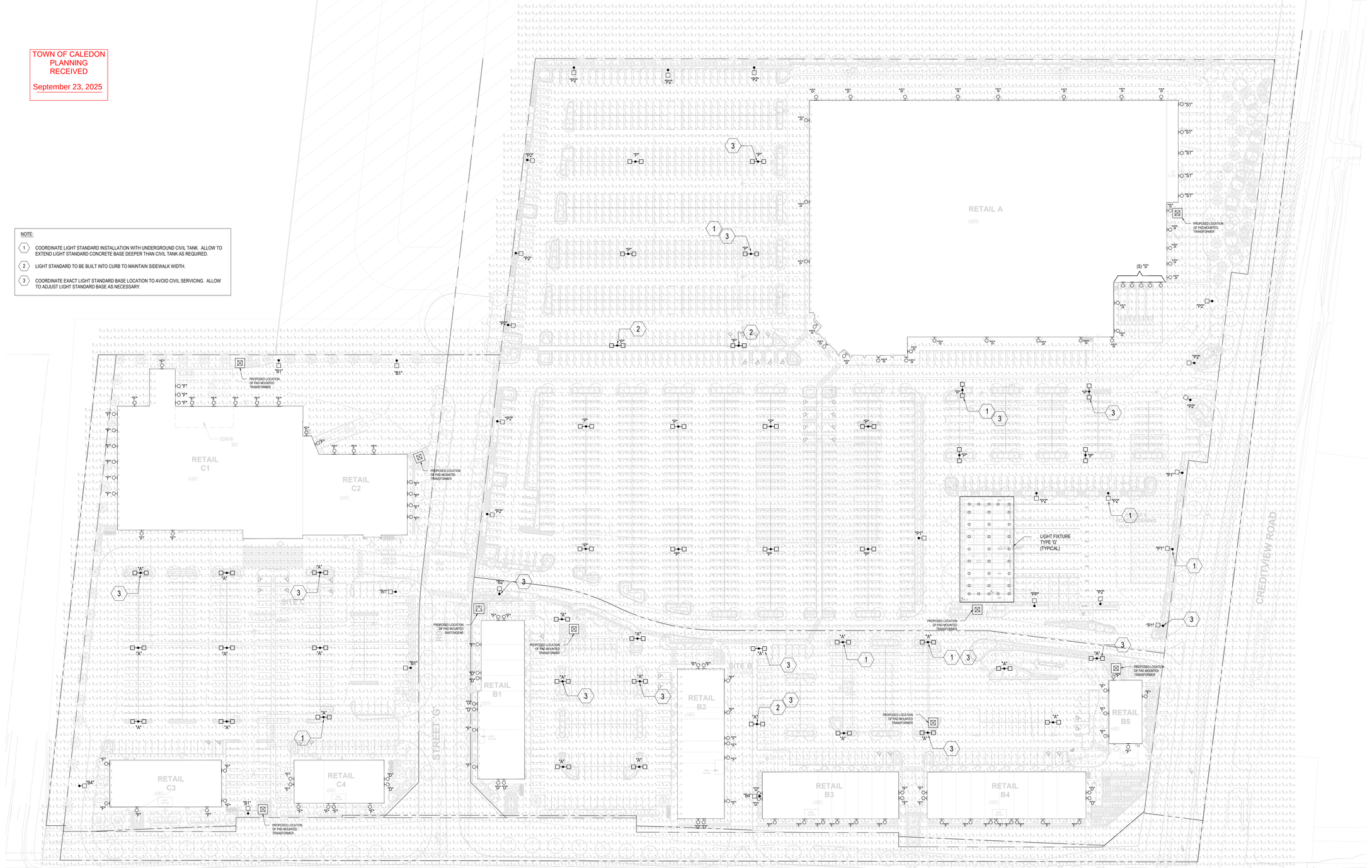
TOWN OF CALEDON
PLANNING
RECEIVED

September 23, 2025

NOTE:

1. COORDINATE LIGHT STANDARD INSTALLATION WITH UNDERGROUND CIVIL TANK. ALLOW TO EXTEND LIGHT STANDARD CONCRETE BASE DEEPER THAN CIVIL TANK AS REQUIRED.
2. LIGHT STANDARD TO BE BUILT INTO CURB TO MAINTAIN SIDEWALK WIDTH.
3. COORDINATE EXACT LIGHT STANDARD BASE LOCATION TO AVOID CIVIL SERVICING. ALLOW TO ADJUST LIGHT STANDARD BASE AS NECESSARY.



1 ELECTRICAL PHOTMETRIC SITE PALN
ESP1 1 : 750

HAMMERSCHLAG & JOFFE INC.

43 Lesmill Road Toronto,
Ontario Canada M3B 2T8
T: (416) 444.9263
F: (416) 444.1463

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2	2024-10-16	ISSUED FOR SPA	BK
1	2024-10-04	ISSUED FOR COORDINATION	BK

fieldgate

PROJECT
MAYFIELD ROAD & CREDITVIEW ROAD

CALEDON, ON

DRAWING
ELECTRICAL PHOTOMETRIC SITE PLAN

PROJECT NO.	24-000-018
PROJECT DATE	2024-05-09
DRAWN BY	JL
CHECKED BY	BK & DF
SCALE	AS SHOWN

LICENSED PROFESSIONAL ENGINEER
2025-09-15
M. J. KAFA
24-000-018
PROVINCE OF ONTARIO

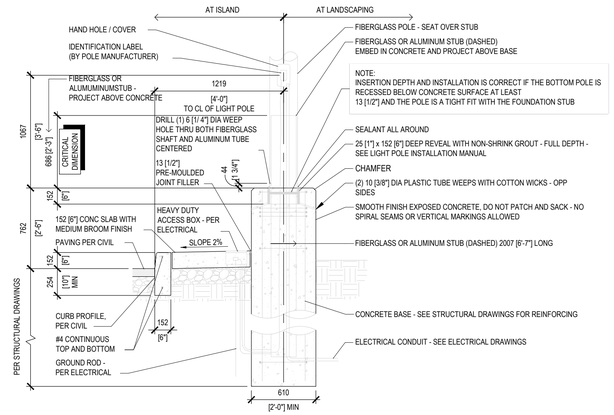
DRAWING NO. ESP1 REV.

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION
"A" 	LUMINAIRE/POLE ASSEMBLY CONSISTING OF A DOUBLE (2) LED LUMINAIRES WITH A TYPE V WIDE DISTRIBUTION PATTERN, 347V OUTDOOR USE BALLAST ON A 22'-0" SQUARE STEEL POLE WITH POLE BASE COVER ON 36" HIGH CONCRETE BASE (DIAMETER AS REQUIRED). COLOUR OF FINISH OF POLE/HEAD TO ARCHITECT/OWNER SELECTION. FIXTURE TO HAVE FLAT LENS, BE FULL CUT OFF/DARK-SKY FRIENDLY AND CONTROLLED BY ASTRONOMICAL TIMECLOCK. GARDCO ECOFORM SMALL BY SIGNIFY CAT# ECF-S-64L-1A-NW-G2-AR-SW-347-CC
"B1" 	LUMINAIRE/POLE ASSEMBLY CONSISTING OF A SINGLE (1) LED LUMINAIRES WITH A TYPE III DISTRIBUTION PATTERN, INTERNAL HOUSE SIDE SHIELD, 347V OUTDOOR USE BALLAST ON A 22'-0" SQUARE STEEL POLE WITH POLE BASE COVER ON 36" HIGH CONCRETE BASE (DIAMETER AS REQUIRED). COLOUR OF FINISH OF POLE/HEAD TO ARCHITECT/OWNER SELECTION. FIXTURE TO HAVE FLAT LENS, BE FULL CUT OFF/DARK-SKY FRIENDLY AND CONTROLLED BY ASTRONOMICAL TIMECLOCK. GARDCO ECOFORM SMALL BY SIGNIFY CAT# ECF-S-32L-900-NW-G2-AR-3-347-HIS-CC
"B2" 	LUMINAIRE/POLE ASSEMBLY CONSISTING OF A SINGLE (1) LED LUMINAIRES WITH A TYPE III DISTRIBUTION PATTERN, 347V OUTDOOR USE BALLAST ON A 22'-0" SQUARE STEEL POLE WITH POLE BASE COVER ON 36" HIGH CONCRETE BASE (DIAMETER AS REQUIRED). COLOUR OF FINISH OF POLE/HEAD TO ARCHITECT/OWNER SELECTION. FIXTURE TO HAVE FLAT LENS, BE FULL CUT OFF/DARK-SKY FRIENDLY AND CONTROLLED BY ASTRONOMICAL TIMECLOCK. GARDCO ECOFORM SMALL BY SIGNIFY CAT# ECF-S-64L-900-NW-G2-AR-3-347-CC
"B4" 	LUMINAIRE/POLE ASSEMBLY CONSISTING OF A SINGLE (1) LED LUMINAIRES WITH A TYPE II DISTRIBUTION PATTERN, INTERNAL HOUSE SIDE SHIELD, 347V OUTDOOR USE BALLAST ON A 22'-0" SQUARE STEEL POLE WITH POLE BASE COVER ON 36" HIGH CONCRETE BASE (DIAMETER AS REQUIRED). COLOUR OF FINISH OF POLE/HEAD TO ARCHITECT/OWNER SELECTION. FIXTURE TO HAVE FLAT LENS, BE FULL CUT OFF/DARK-SKY FRIENDLY AND CONTROLLED BY ASTRONOMICAL TIMECLOCK. GARDCO ECOFORM SMALL BY SIGNIFY CAT# ECF-S-32L-1.2A-NW-G2-AR-2-347-HIS-CC
D	CYLINDRICAL DOWNLIGHT DECORATIVE LIGHT FIXTURE FOR OUTDOOR USE C/W 3000K LED LAMP AND 120V BALLAST SUITABLE FOR OUTDOOR USE CUSTOM COLOR TO ARCHITECT'S SELECTION. FIXTURE TO BE MOUNTED AT 11' A.F.F. SOLERA CAT# SRBK-6X15-14W-LED-4000K-UNV-WM-CG-NB-IP65-CC
F	EXTERIOR WALL MOUNTED FIXTURE C/W 3000K LED LAMP AND 120V BALLAST SUITABLE FOR OUTDOOR USE. COLOR OF FIXTURE TO ARCHITECT'S SELECTION. FIXTURE TO BE MOUNTED AT 11' A.F.F. H.E. WILLIAMS CAT# VWM-H-LED17/840-CC-120
G	LED GAS BAR CANOPY FIXTURE. FIXTURE TO BE MOUNTED AT 19' A.F.F. CREE LIGHTING CAT. #: CPY250-B-DM-F-B-UL-WH.
"P" 	COOPER GALN GALLEON II GLEON-SA8B-740-9(347V)-5WQ-BZ, 334W TYPE 5 DISTRIBUTION. FIBERGLASS POLE 27' ABOVE GRADE, WITH 36" BASE. FIXTURE TO HAVE FLAT LENS, BE FULL CUT OFF/DARK-SKY FRIENDLY AND CONTROLLED BY ASTRONOMICAL TIMECLOCK.
"P1" 	COOPER GALN GALLEON II GLEON-SA8B-740-9(347V)-T3-BZ, 334W TYPE 3 DISTRIBUTION. FIBERGLASS POLE 27' ABOVE GRADE, WITH 36" BASE. FIXTURE TO HAVE FLAT LENS, BE FULL CUT OFF/DARK-SKY FRIENDLY AND CONTROLLED BY ASTRONOMICAL TIMECLOCK.
"P2" 	COOPER GALN GALLEON II GLEON-SA8B-740-9(347V)-SL4-HSS-BZ, 334W TYPE 4 DISTRIBUTION. FIBERGLASS POLE 27' ABOVE GRADE, WITH 36" BASE. FIXTURE TO HAVE FLAT LENS, BE FULL CUT OFF/DARK-SKY FRIENDLY AND CONTROLLED BY ASTRONOMICAL TIMECLOCK.
"PP" 	COOPER GALN GALLEON II GLEON-SA8B-740-1(120V)-T3-BZ, 334W TYPE 3 DISTRIBUTION. FIBERGLASS POLE 27' ABOVE GRADE, WITH 36" BASE. FIXTURE TO HAVE FLAT LENS, BE FULL CUT OFF/DARK-SKY FRIENDLY AND CONTROLLED BY ASTRONOMICAL TIMECLOCK.
S	LED WALL MOUNTED FIXTURE. FIXTURE TO BE MOUNTED AT 19' A.F.F. LITHONIA LIGHTING CAT. #: DSXW2 LED P5 40K T2M 347 DDBXD CSA.
S1	LED WALL MOUNTED FIXTURE. FIXTURE TO BE MOUNTED AT 14' A.F.F. LITHONIA LIGHTING CAT. #: DSXW2 LED P5 40K T2M 347 DDBXD CSA.

LIGHT POLE BASE AT CONCRETE ISLAND/LANDSCAPING LIGHT TYPES P, P1, P2

N.T.S.



CALCULATION SUMMARY							
LABEL	**CALCTYPE**	**UNITS**	**AVG**	**MAX**	**MIN**	**AVG/MIN**	**MAX/MIN**
GASBAR	ILLUMINANCE	FC	25.5	36.7	14.2	1.8	2.6
SITE PLAN PHOTOMETRIC	ILLUMINANCE	FC	2.6	22.6	0.0	N.A.	N.A.
SITE A	ILLUMINANCE	FC	4.5	10.3	1.2	3.7	8.6
SITE B1	ILLUMINANCE	FC	4.0	6.0	0.3	13.2	20.0
SITE B2	ILLUMINANCE	FC	3.3	5.3	0.7	4.7	7.6
SITE C	ILLUMINANCE	FC	3.2	5.0	0.1	31.9	50.0

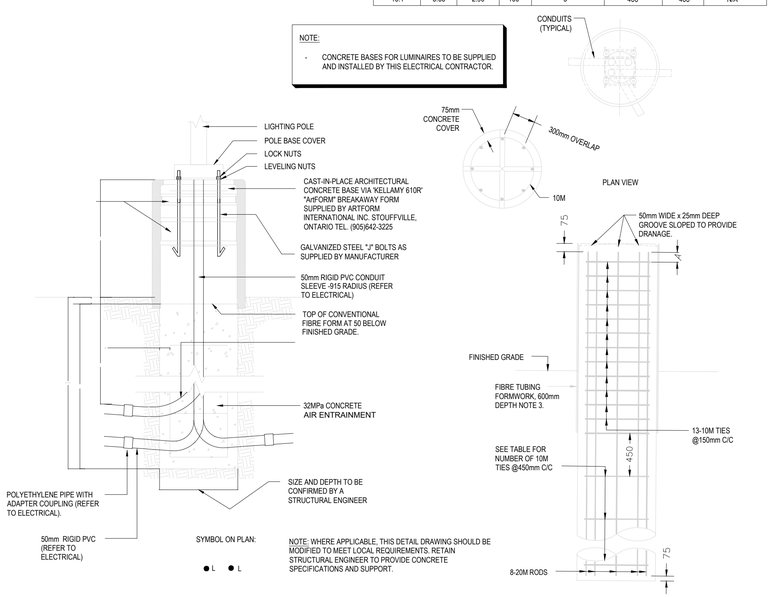
NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES OR METRES.
2. CLASS OF CONCRETE SHALL BE 32mPa. AIR ENTRAINMENT.
3. MINIMUM OF TWO SLEEVES REQUIRED FOR EACH CONC. FOUNDATION UNLESS OTHERWISE SHOWN.
4. CONTRACTOR TO VERIFY OPENING SIZE IN POLE BASE PLATE PRIOR TO SETTING. CONDUIT SLEEVES. CONTRACTOR TO PROVIDE STRUCTURAL ENGINEER APPROVAL FOR BASE DESIGN.
5. SUBJECT TO SOIL CONDITIONS, REFER TO SOIL REPORT.
6. FORM RELEASE AGENT HAS BEEN FACTORY-APPLIED TO INSIDE SURFACE OF "ArtFORM".

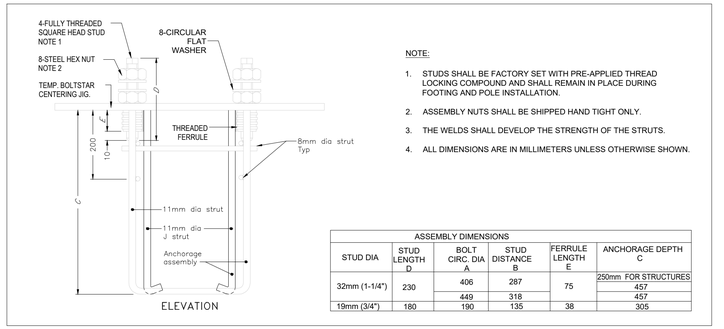
POLE LENGTH m	BURIAL DEPTH H m	ROD LENGTH m	A mm	NO. OF 10M TIES @450mm C/C	BOLT CIRCLE DIA FOR METAL POLES		
					ALUMINUM	STEEL	SECTIONAL STEEL
5.6	2.15	2.00	100	3	N/A	N/A	449
7.0	2.15	2.00	100	3	N/A	N/A	449
7.5	2.15	2.00	100	3	406	406	N/A
8.7	2.45	2.30	250	3	N/A	N/A	449
9.0	2.45	2.30	0	4	406	406	N/A
10.5	2.60	2.45	100	4	406	406	449
12.0	2.75	2.60	150	4	406	406	N/A
13.6	2.90	2.75	0	5	406	406	N/A
15.1	3.05	2.90	100	5	406	406	N/A

NOTE:

- CONCRETE BASES FOR LUMINAIRES TO BE SUPPLIED AND INSTALLED BY THIS ELECTRICAL CONTRACTOR.



ELEVATION REINFORCEMENT



NOTE:

1. STUDS SHALL BE FACTORY SET WITH PRE-APPLIED THREAD LOCKING COMPOUND AND SHALL REMAIN IN PLACE DURING FOOTING AND POLE INSTALLATION.
2. ASSEMBLY NUTS SHALL BE SHIPPED HAND TIGHT ONLY.
3. THE WELDS SHALL DEVELOP THE STRENGTH OF THE STRUTS.
4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

ASSEMBLY DIMENSIONS					
STUD DIA	STUD LENGTH D	BOLT CIRC. DIA A	STUD DISTANCE B	FERRULE LENGTH E	ANCHORAGE DEPTH C
32mm (1-1/4")	230	406	287	75	250mm FOR STRUCTURES
		449	318		457
19mm (3/4")	180	190	135	38	305

TYPICAL CONCRETE BASE FOR LUMINAIRE N.T.S

HAMMERSCHLAG & JOFFE INC.

43 Lesmill Road Toronto,
Ontario Canada M3B 2T8
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fieldgate

PROJECT
MAYFIELD ROAD & CREDITVIEW ROAD

CALEDON, ON

DRAWING
ELECTRICAL DETAILS & NOTES

PROJECT NO.	24-000-018
PROJECT DATE	2024-05-09
DRAWN BY	JL
CHECKED BY	BK & DF
SCALE	N.T.S.

LICENSED PROFESSIONAL ENGINEER
2025-09-15
RAFAEL
24-000-018
PROVINCE OF ONTARIO

DRAWING NO. ESP2 REV.