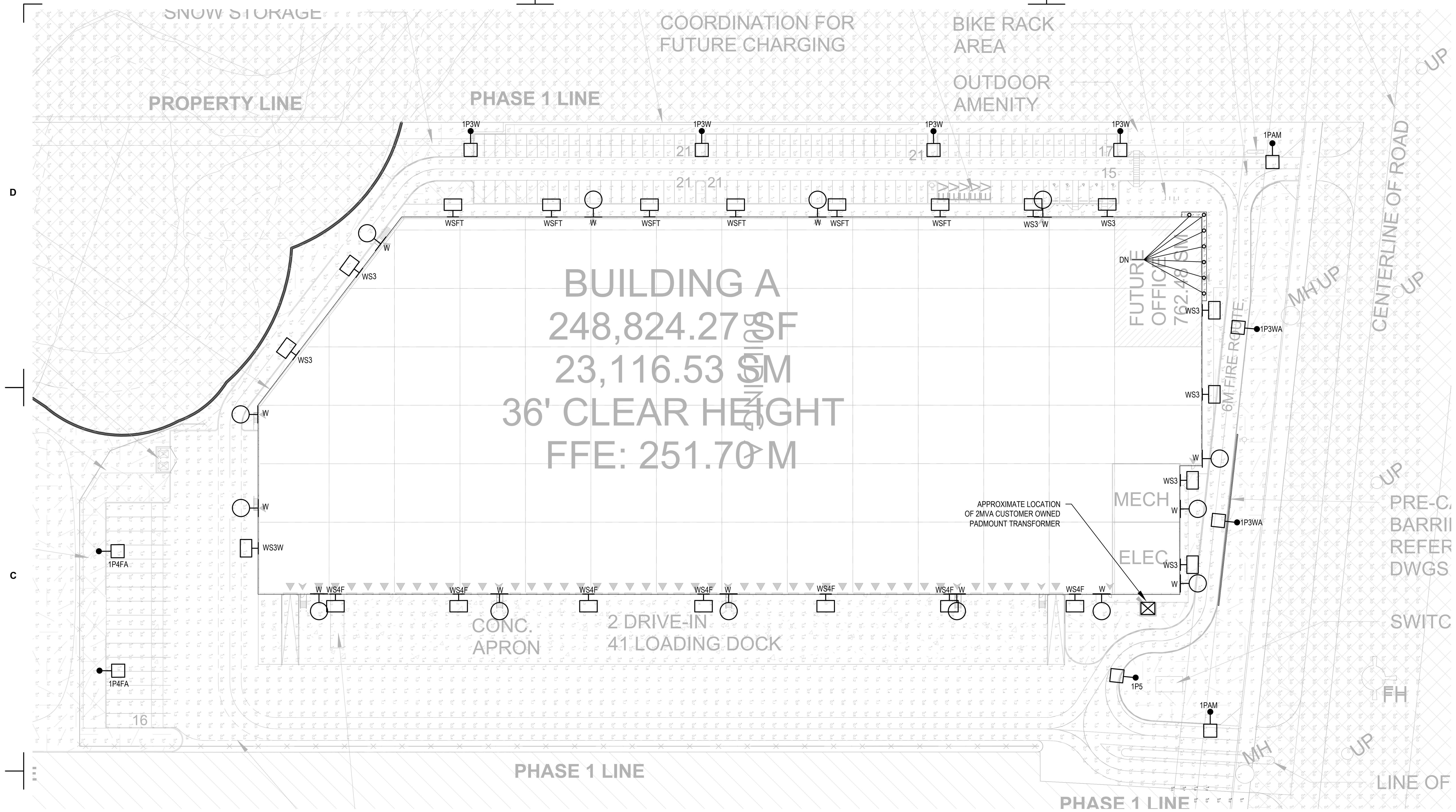


OVERALL SITE PLAN LIGHTING

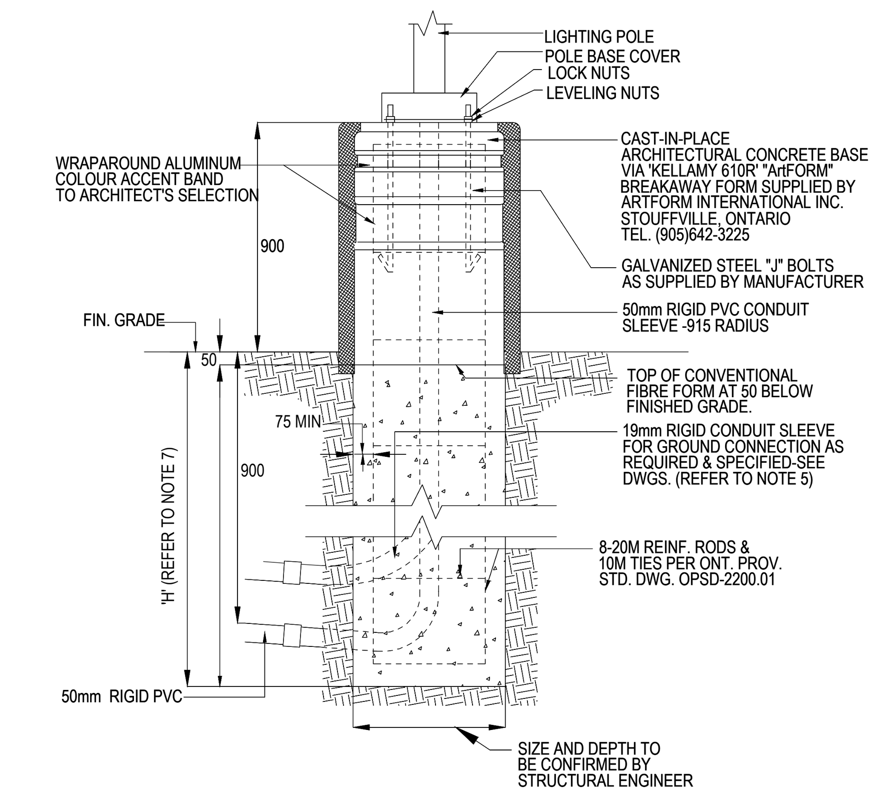
SCALE: 1:750

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS OR METERS.
2. TOP OF FOUNDATION SHALL BE TROWELLED SMOOTH AND LEVEL.
3. CLASS OF CONCRETE SHALL BE 25mPa AND SHALL BE VIBRATED.
4. MINIMUM OF TWO SLEEVES REQUIRED FOR RACH CONCRETE FOUNDATION UNLESS OTHERWISE SHOWN.
5. PROVIDE A 19mm DIA. 3000mm STEEL COPPER COATED GROUND ROD ADJACENT TO POLES AS SPECIFIED ON PLAN AND CONNECT TO METAL POLE WITH BARE COPPER CONDUCTOR.
6. CONTRACTOR TO VERIFY OPENING SIZE IN POLE BASE PLATE PRIOR TO SETTING CONDUIT SLEEVES. CONTRACTOR TO PROVIDE STRUCTURAL ENGINEER APPROVAL FOR BASE DESIGN.
7. DEPTH SUBJECT TO SOIL CONDITIONS. REFER TO SOIL REPORT.

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

POLE LENGTH (m)	BASE BURIAL DEPTH 'H' (m)	REINF. ROD LENGTH (m)
3.0	1.50	1.35
5.6	2.15	2.00
7.0	2.15	2.00
7.5	2.15	2.00
8.7	2.45	2.30
9.0	2.45	2.30
10.5	2.60	2.45
12.0	2.75	2.60
13.6	2.90	2.75
15.1	3.05	2.90



TYPICAL CONCRETE BASE DETAIL

SCALE: N.T.S.

EXTERIOR LIGHTING SCHEDULE

TYPE	IMAGE	DESCRIPTION	NOTES	LLF	ARRANGEMENT WATTS	LAMP
1P3W		SMALL OUTDOOR LED AREA LIGHT C/W BACKLIGHT SHIELD, REFRACTOR OPTICS, TYPE III WIDE. FINISH TO BE CONFIRMED BY ARCHITECT. MH: 25' - FIXTURE TO BE C/W 22' POLE ON 3' BASE MFR: LSI #: VALS-27L-3W-347-40K7-FINISH-IS, 4000K	FIXTURE MUST BE DARK SKY COMPLIANT WITH ZERO UPLIGHT, IP66 RATED PER IEC 60598-1, SUITABLE FOR -40C TO 50C OPERATION. FIXTURE MUST HAVE FIELD REPLACEABLE LED ENGINE AND BLACK LED LENS APERTURE TO REDUCE SCATTER. BUG RATING B2-U0-G5.	0.9	178	LED, 347V 4000K 17804lm
1P3WA		SMALL OUTDOOR LED AREA LIGHT C/W BACKLIGHT SHIELD, REFRACTOR OPTICS, TYPE III WIDE. FINISH TO BE CONFIRMED BY ARCHITECT. MH: 25' - FIXTURE TO BE C/W 22' POLE ON 3' BASE MFR: LSI #: VALS-21L-3W-347-40K7-FINISH-IS, 4000K	FIXTURE MUST BE DARK SKY COMPLIANT WITH ZERO UPLIGHT, IP66 RATED PER IEC 60598-1, SUITABLE FOR -40C TO 50C OPERATION. FIXTURE MUST HAVE FIELD REPLACEABLE LED ENGINE AND BLACK LED LENS APERTURE TO REDUCE SCATTER. BUG RATING B1-U0-G5.	0.9	130	LED, 347V 4000K 14639lm
1P4FA		SMALL OUTDOOR LED AREA LIGHT, REFRACTOR OPTICS, TYPE IV FORWARD. FINISH TO BE CONFIRMED BY ARCHITECT. MH: 25' - FIXTURE TO BE C/W 20' POLE ON 5' BASE MFR: LSI #: VALS-27L-4F-347-40K7-FINISH, 4000K	FIXTURE MUST BE DARK SKY COMPLIANT WITH ZERO UPLIGHT, IP66 RATED PER IEC 60598-1, SUITABLE FOR -40C TO 50C OPERATION. FIXTURE MUST HAVE FIELD REPLACEABLE LED ENGINE AND BLACK LED LENS APERTURE TO REDUCE SCATTER. BUG RATING B1-U0-G5.	0.9	178	LED, 347V 4000K 23265lm
1P5		SMALL OUTDOOR LED AREA LIGHT C/W BACKLIGHT SHIELD, REFRACTOR OPTICS, TYPE V. FINISH TO BE CONFIRMED BY ARCHITECT. MH: 25' - FIXTURE TO BE C/W 22' POLE ON 3' BASE MFR: LSI #: VALS-24L-5Q-347-40K7-FINISH, 4000K	FIXTURE MUST BE DARK SKY COMPLIANT WITH ZERO UPLIGHT, IP66 RATED PER IEC 60598-1, SUITABLE FOR -40C TO 50C OPERATION. FIXTURE MUST HAVE FIELD REPLACEABLE LED ENGINE AND BLACK LED LENS APERTURE TO REDUCE SCATTER. BUG RATING B5-U0-G3.	0.9	155	LED, 347V 4000K 23487lm
1PAM		SMALL OUTDOOR LED AREA LIGHT C/W BACKLIGHT SHIELD, REFRACTOR OPTICS, TYPE AM. FINISH TO BE CONFIRMED BY ARCHITECT. MH: 25' - FIXTURE TO BE C/W 22' POLE ON 3' BASE MFR: LSI #: VALS-21L-AM-347-40K7-FINISH-IS, 4000K	FIXTURE MUST BE DARK SKY COMPLIANT WITH ZERO UPLIGHT, IP66 RATED PER IEC 60598-1, SUITABLE FOR -40C TO 50C OPERATION. FIXTURE MUST HAVE FIELD REPLACEABLE LED ENGINE AND BLACK LED LENS APERTURE TO REDUCE SCATTER. BUG RATING B0-U0-G2.	0.9	130	LED, 347V 4000K 16538lm
DN		4" LED RECESSED DOWNLIGHT, SPECULAR CLEAR FINISH, 0-10V DIMMING, 80CRI, PRISMATIC LENS, 60DEG BEAM ANGLE. FINISH TO BE CONFIRMED BY ARCHITECT. MH: AS PER DRAWINGS MFR: ATLANTIC #: COM4-SYL30-40K-347/4OMPR-CL, 4000K	FIXTURE MUST BE LISTED FOR WET LOCATION UNDER COVERED CEILING. BUG RATING N/A	0.9	25	LED, 347V 4000K 2042lm
W		SMALL SLIM WALL PACK, SURFACE MOUNTED, DIE-CAST ALUMINUM HOUSING, DURAGRIP FINISH, 0-10V DIMMING, HIGH PERFEROMANCE CHIP ON BOARD LED BEHIND CLEAR TEMPERED GLASS. FINISH TO BE CONFIRMED BY ARCHITECT. MH: AS PER DRAWINGS MFR: LSI #: WPSLS-LED-02L-347-DIM-40-FINISH, 4000K	LED DRIVER MUST BE PROTECTED AGAINST UNDER/OVER VOLTAGE, SHOT CIRCUIT, AND OVER TEMPERATURE PER FCC STANDARDS. FIXTURE MUST BE DARK SKY COMPLIANT, WET LOCATION RATED AND SUITABLE FOR -40C TO 50C OPERATION. BUG RATING B1-U0-G0.	0.9	20	LED, 347V 4000K 2272lm
WS3		MIRADA SMALL WALL SCONCE, DIE-CAST ALUMINUM HOUSING, 0-10V DIMMING, IP65 TO IEC 60598-1, ONE PIECE REFRACTOR SILICON OPTIC, TYPE II DISTRIBUTION. FINISH TO BE CONFIRMED BY ARCHITECT. MH: AS PER DRAWINGS MFR: LSI #: XWS-LED-08L-SIL-3-347-DIM-40-70CRI-XX, 4000K	LED DRIVER MUST BE PROTECTED AGAINST UNDER/OVER VOLTAGE, SHOT CIRCUIT, AND OVER TEMPERATURE PER FCC STANDARDS. FIXTURE MUST BE DARK SKY COMPLIANT, IP65 RATDE PER IEC 60598-1, IK08 RATED PER IEC 66262, AND SUITABLE FOR -40C TO 40C OPERATION. BUG RATING B2-U0-G2.	0.9	61	LED, 347V 4000K 7856lm
WS3W		SMALL OUTDOOR LED AREA LIGHT C/W WALL MOUNT BRACKET, REFRACTOR OPTICS, TYPE III FORWARD. FINISH TO BE CONFIRMED BY ARCHITECT. MH: 30' MFR: LSI #: VALS-27L-3W-347-40K7-FINISH-IS, 4000K	FIXTURE MUST BE DARK SKY COMPLIANT WITH ZERO UPLIGHT, IP66 RATED PER IEC 60598-1, SUITABLE FOR -40C TO 50C OPERATION. FIXTURE MUST HAVE FIELD REPLACEABLE LED ENGINE AND BLACK LED LENS APERTURE TO REDUCE SCATTER. BUG RATING B3-U0-G5.	0.9	178	LED, 347V 4000K 21526lm
WS4F		SMALL OUTDOOR LED AREA LIGHT C/W WALL MOUNT BRACKET, REFRACTOR OPTICS, TYPE IV FORWARD. FINISH TO BE CONFIRMED BY ARCHITECT. MH: 30' MFR: LSI #: VALS-27L-4F-347-40K7-FINISH, 4000K	FIXTURE MUST BE DARK SKY COMPLIANT WITH ZERO UPLIGHT, IP66 RATED PER IEC 60598-1, SUITABLE FOR -40C TO 50C OPERATION. FIXTURE MUST HAVE FIELD REPLACEABLE LED ENGINE AND BLACK LED LENS APERTURE TO REDUCE SCATTER. BUG RATING B2-U0-G5.	0.9	178	LED, 347V 4000K 23265lm
WSFT		MIRADA SMALL WALL SCONCE, DIE-CAST ALUMINUM HOUSING, 0-10V DIMMING, IP65 TO IEC 60598-1, ONE PIECE REFRACTOR SILICON OPTIC, TYPE II DISTRIBUTION. FINISH TO BE CONFIRMED BY ARCHITECT. MH: 30' MFR: LSI #: XWS-LED-08L-SIL-FT-347-DIM-40-70CRI-XX, 4000K	LED DRIVER MUST BE PROTECTED AGAINST UNDER/OVER VOLTAGE, SHOT CIRCUIT, AND OVER TEMPERATURE PER FCC STANDARDS. FIXTURE MUST BE DARK SKY COMPLIANT, IP65 RATDE PER IEC 60598-1, IK08 RATED PER IEC 66262, AND SUITABLE FOR -40C TO 40C OPERATION. BUG RATING B2-U0-G2.	0.9	61	LED, 347V 4000K 7687lm

EXTERIOR LIGHTING SCHEDULE

SCALE: N.T.S.

Calculation Summary

Label	Units	Avg	Max	Min	Avg/Min	Max/Min
Building A - Accessible Parking	Fc	3.85	5.4	3.2	1.20	1.69
Building A - Canopy	Fc	9.61	12.8	4.6	2.09	2.78
Building A - Loading Dock	Fc	1.71	9.1	0.6	2.85	15.17
Building A - Parking	Fc	1.94	5.6	0.4	4.85	14.00
Building A - Truck Parking	Fc	2.22	3.8	1.0	2.22	3.80
Building A - Walkway	Fc	3.07	10.9	0.7	4.39	15.57
Driveway	Fc	1.33	7.8	0.2	6.65	39.00
Entrances	Fc	3.90	8.4	0.6	6.50	14.00

CALCULATION SUMMARY

SCALE: N.T.S.

GENERAL NOTES:

1. DRAWING CONFORMS TO TOWN STANDARDS SECTION 4.4.5.

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PROJECT TITLE

BROCCOLINI AIRPORT ROAD

A PROJECT FOR
BROCCOLINI REAL ESTATE GROUP

PLAN LEGEND

HAMMERSCHLAG + JOFFE INC.
69 Lesmill Road Toronto,
Ontario Canada M3B 2T8
T: (416) 444.9263
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TOWN OF CALEDON PLANNING RECEIVED
May 6, 2026

△	DATE	REVISION
1	2025-10-21	ISSUED FOR SPA
2	2025-11-13	ISSUED FOR SPA
3	2026-05-01	RE-ISSUED FOR SPA - BUILDING A

PROJECT NO: 25-007-012
DRAWN BY: SA
CHECKED BY: CS

SHEET NAME
ELECTRICAL SITE PLAN - LIGHTING

SEAL
LICENSED PROFESSIONAL ENGINEER
25-007-012
A.J. VALKENBURG
100174128
2026-05-01
PROVINCE OF ONTARIO

SHEET NUMBER
ESP-1

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