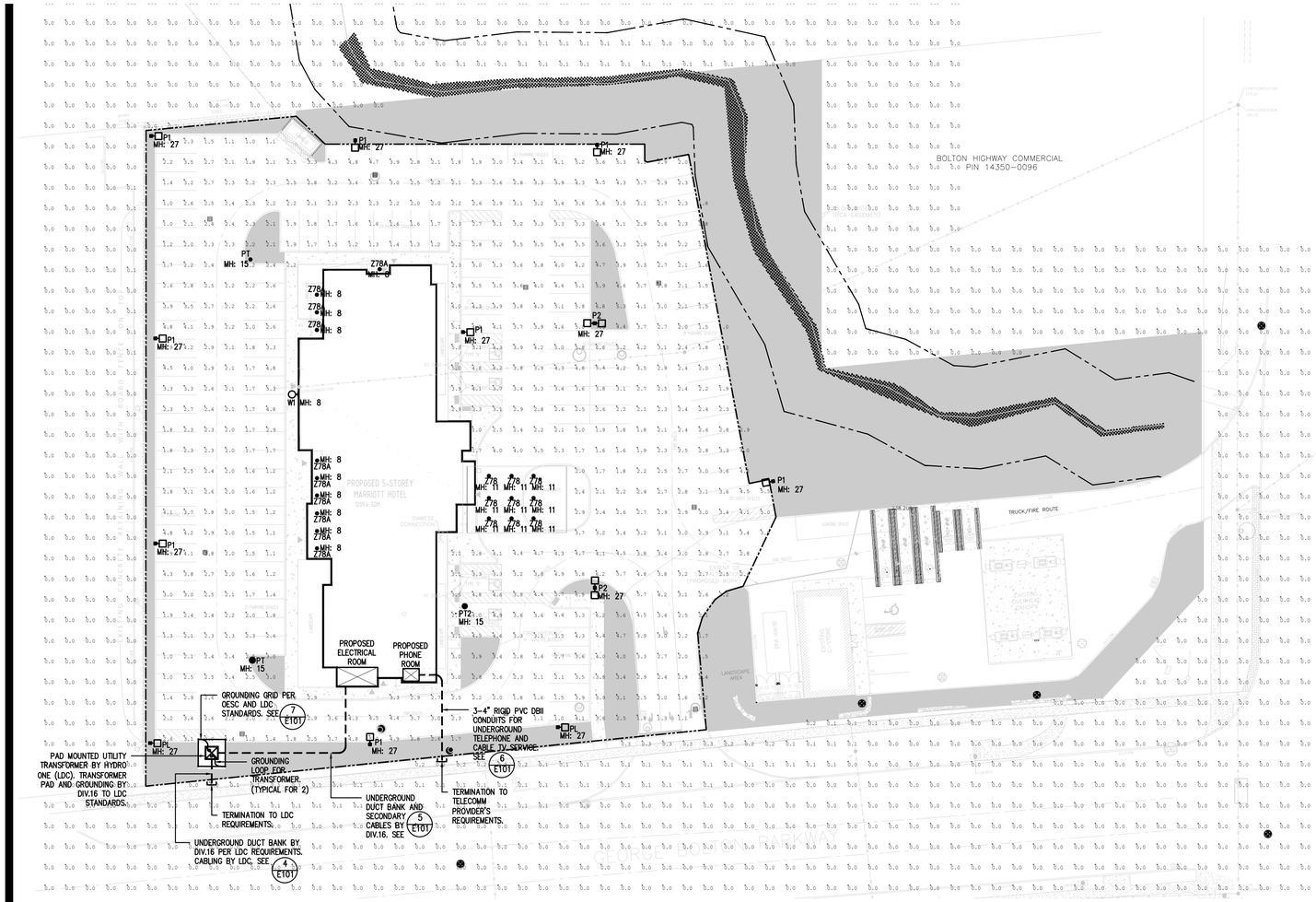


1 E101 Site Plan
1/32" = 1'-0"

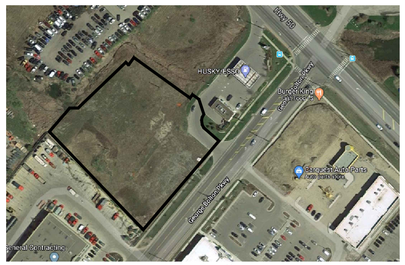
LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	LAMPS AND BALLAST	CATALOGUE NO.	
P1	EXTERIOR SINGLE HEAD HIGH PERFORMANCE POLE LUMINAIRE, CUT-OFF, OVERALL HEIGHT IS 27' INCLUDING 24' HIGH ROUND SHAPE POLE AND 3' HIGH BASE. FINISH AS PER ARCHITECT'S SELECTION. APPLICATION: SITE	153W LED, 16136 LUMENS, 120V DRIVER, 4000K, 70 CRI, B1-U0-G3	SIGNIFY GARDCO #P26-64L-800-NW-G2-BLC	
P2	SAME AS P1, DOUBLE HEAD HIGH PERFORMANCE POLE LUMINAIRE, CUT-OFF, OVERALL HEIGHT IS 27' INCLUDING 24' HIGH ROUND SHAPE POLE AND 3' HIGH BASE. FINISH AS PER ARCHITECT'S SELECTION. APPLICATION: SITE	169W LED, 22981 LUMENS, 120V DRIVER, 4000K, 70 CRI, B3-U0-G4	SIGNIFY GARDCO #P26-80L-700-NW-G2-3	
PL	SAME AS TYPE 'P1' EXCEPT C/W CORNER LEFT DISTRIBUTION TYPE. APPLICATION: SITE	153W, 5211 LUMENS, 120V DRIVER, 4000K, 70 CRI, B0-U0-G2	SIGNIFY GARDCO #P26-64L-800-NW-G2-LCL (LEFT)	
PR	SAME AS TYPE 'P1' EXCEPT C/W CORNER RIGHT DISTRIBUTION TYPE. APPLICATION: SITE	153W, 5211 LUMENS, 120V DRIVER, 4000K, 70 CRI, B0-U0-G2	SIGNIFY GARDCO #P26-64L-800-NW-G2-LCL (RIGHT)	
PT	EXTERIOR LED POST TOP LUMINAIRE, CUT-OFF, MOUNTED AT 15', INCLUDING POLE AND 3' HIGH BASE. FINISH PER ARCHITECT'S SELECTION. APPLICATION: SITE	30W, 3237 LUMENS, 120V DRIVER, 4000K, 70 CRI, B1-U0-G1	SIGNIFY GARDCO #PPT-140L-650-NW-G2-3-UNV	
PT2	EXTERIOR LED POST TOP LUMINAIRE, CUT-OFF, MOUNTED AT 15', INCLUDING POLE AND 3' HIGH BASE. FINISH PER ARCHITECT'S SELECTION. APPLICATION: SITE	75W, 8074 LUMENS, 120V DRIVER, 4000K, 70 CRI, B2-U0-G3	SIGNIFY GARDCO #PPT-140L-1675-NW-G2-3-UNV	
Z78	EXTERIOR LED DOWNLIGHT, CUT-OFF, FINISH PER ARCHITECT'S SELECTION. APPLICATION: BUILDING CANOPIES	30W, 3259 LUMENS, 120V DRIVER, 4000K, 80 CRI, B2-U0-G0	SIGNIFY GARDCO #P6RDL30835CLZ10U	
Z78A	EXTERIOR LED DOWNLIGHT, CUT-OFF, FINISH PER ARCHITECT'S SELECTION. APPLICATION: PORTE COCHERE	15W, 1629 LUMENS, 120V DRIVER, 4000K, 80 CRI, B2-U0-G0	SIGNIFY GARDCO #P6RDL105835CLZ10U	
W1	EXTERIOR LED WALL SCONCE, CUT-OFF, FINISH PER ARCHITECT'S SELECTION. APPLICATION: BUILDING EXTERIOR	52W, 6733 LUMENS, 120V DRIVER, 4000K, 70 CRI, B1-U0-G2	SIGNIFY GARDCO #I21-32L-530-NW-G4-3	

NOTES:
1. ONLY SHIELDED-TYPE LIGHTING FIXTURES ARE PERMITTED FOR ALL DEVELOPMENTS, EXCEPT FOR DETACHED AND SEMI-DETACHED DWELLINGS WITHIN 60M (196.8FT) OF A RESIDENTIALLY ZONED PROPERTY AND MUST CONFORM TO THE ENGINEER CERTIFIED LIGHTING PLAN.
2. THE OWNER COVENANTS AND AGREES TO CONSTRUCT AND INSTALL SHIELDED LIGHTING FIXTURES ON THE SUBJECT LANDS, IN CONFORMITY WITH THE SITE PLAN AND THE ENGINEER CERTIFIED LIGHTHING PLAN TO THE SATISFACTION OF THE LOCAL MUNICIPALITY.

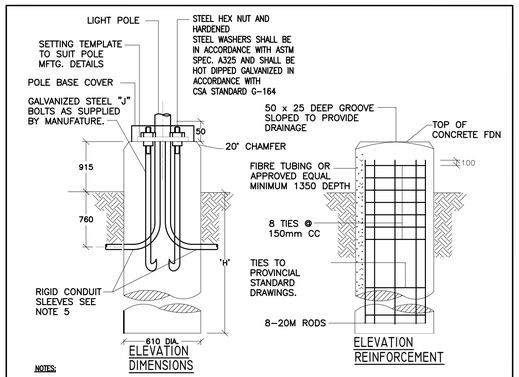
Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CANOPY 1	Illuminance	Fc	14.68	16.4	11.4	1.29	1.44
CANOPY 2	Illuminance	Fc	12.53	14.7	6.66	1.90	2.23
CANOPY 3	Illuminance	Fc	10.95	11.8	10.1	1.08	1.17
LIGHTSPILL	Illuminance	Fc	0.01	0.3	0.0	N.A.	N.A.
PORTE COCHERE	Illuminance	Fc	16.57	27.7	3.6	4.60	7.69
SITE	Illuminance	Fc	2.95	7.4	1.0	2.95	7.40
BARRIER-FREE PARKING	Illuminance	Fc	4.25	4.9	3.3	1.29	1.48
BARRIER-FREE PARKING 2	Illuminance	Fc	4.37	5.1	3.7	1.18	1.38



2 E101 Key Plan
N.T.S.

N



NOTES:
1. ALL DIMENSIONS SHOWN ARE IN MILLIMETERS, UNLESS OTHERWISE NOTED.
2. CONCRETE IN FOUNDATION SHALL BE PLACED AGAINST UNDISTURBED GROUND.
3. TOP OF FOUNDATION TO BE TRULY LEVEL.
4. CONCRETE STRENGTH SHALL BE 20MPa
5. RIGID CONDUIT SLEEVES SHALL BE 50mm# INTERNAL DIAMETER. 90° BENDS RIGID PVC OR PLASTISED POLYMERIC. MINIMUM OF 2 SLEEVES REQUIRED FOR EACH CONCRETE FOUNDATION UNLESS OTHERWISE INDICATED. PROVIDE A 19mm# x 3000mm LONG GROUND ROD ADJACENT TO EACH POLE AND CONNECT TO METAL POLE WITH BARE #6 COPPER CONDUCTOR. TIES SHALL BE 10M SIZE.
6.
7. DIV.16 SHALL RETAIN A STRUCTURAL P.ENG. LICENCED IN NB. STRUCTURAL ENGINEER SHALL REVIEW AND CERTIFY THE PARKING LOT LIGHTING STANDARDS AND BASES INCLUDING BASE HEIGHT AND FOUNDATION DETAIL BASED ON THE APPROVED LIGHTING FIXTURE SHOP DRAWINGS AND SOILS REPORT. STRUCTURAL WIND AND GUST LOADING MUST MEET REQUIREMENTS FOR DARTMOUTH. DIV.16 SHALL NOT PROCEED WITH ANY WORK WITHOUT THE APPROVAL OF STRUCTURAL ENGINEER. ENSURE COMPLIANCE IS ACHIEVED BEFORE BASES AND POLES ARE INSTALLED.

3 E101 LIGHTING POLE BASE DETAIL
SCALE: N.T.S.

DRAWING NOTES:
1. EXTERIOR LIGHTING AND SIGNAGE SHALL BE CONTROLLED BY PHOTOCELL WITH MANUAL OVERRIDE SWITCH AND TIMER. REFER TO SPECIFICATIONS FOR MORE INFORMATION. CONFIRM EXACT ELECTRICAL REQUIREMENTS WITH SIGNAGE MANUFACTURER.
2. RUN MINIMUM #8AWG WIRING AND TYPE II PVC CONDUITS FOR ALL EXTERIOR LIGHTING.
3. GENERAL NOTES FOR INCOMING SERVICE FROM HYDRO:
   3.1. EC SHALL NOT START THE SITE SERVICE WORK UNTIL LOCAL HYDRO SITE SERVICING PLAN IS RECEIVED WHICH DETAILS THE SERVICE INCOMING LOCATION, TRANSFORMER LOCATION, AND HYDRO STANDARD SPECIFICATION FOR CONCRETE PAD, GROUNDING, BOLLARDS, ETC.
   3.2. THE CUSTOMER WILL NEED TO SUPPLY THE DRAWINGS OF MAIN SWITCHBOARD FOR HYDRO APPROVAL. THIS ENSURES THE METERING COMPARTMENT WILL BE SUITABLE FOR REVENUE METERING EQUIPMENT.
   3.3. ALL CIVIL WORK AROUND UNDERGROUND PRIMARY AND EQUIPMENT WILL BE COORDINATED WITH HYDRO PRIOR TO PROCEEDING WITH ANY WORK.
   3.4. PROVISION AND CONNECTION OF PRIMARY AND SECONDARY CABLES WORK SHALL FOLLOW HYDRO SERVICE PLAN WHICH ALONG WITH CLIENT SIGNED "OFFER TO CONNECT". PRIMARY AND SECONDARY UNDER GROUND DUCT BANK BY DIV.16.
   3.5. BOLLARDS AND GROUNDING FOR HYDRO PAD-MOUNT TRANSFORMER PROTECTION WILL BE SUPPLIED AND INSTALLED BY DIV.16 AS PER HYDRO & OESC STANDARDS.

TOWN OF CALEDON
PLANNING
RECEIVED
Sept.29, 2020

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Mississauga, Ontario, L5N 6P8
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Email : mail@jainconsultants.com

NO.	ISSUED	DATE
1	ISSUED FOR SPA	2020-07-02
2		
3		
4		
5		
6		
7		
8		

SEAL
D. JAIN
20-142

CONSTRUCTION NORTH
TRUE NORTH

MARRIOT HOTEL

X STOREY - XXX ROOMS
GEN 6.5 Inspired Classic

12476 HIGHWAY 50
CALEDON, ON

SHEET NAME
SITE PLAN
- ELECTRICAL

START DATE: JUNE 2020
DRAWN BY: KP
CHECKED BY: LL
SCALE:
PROJECT NO.: 2001
DRAWING: E101