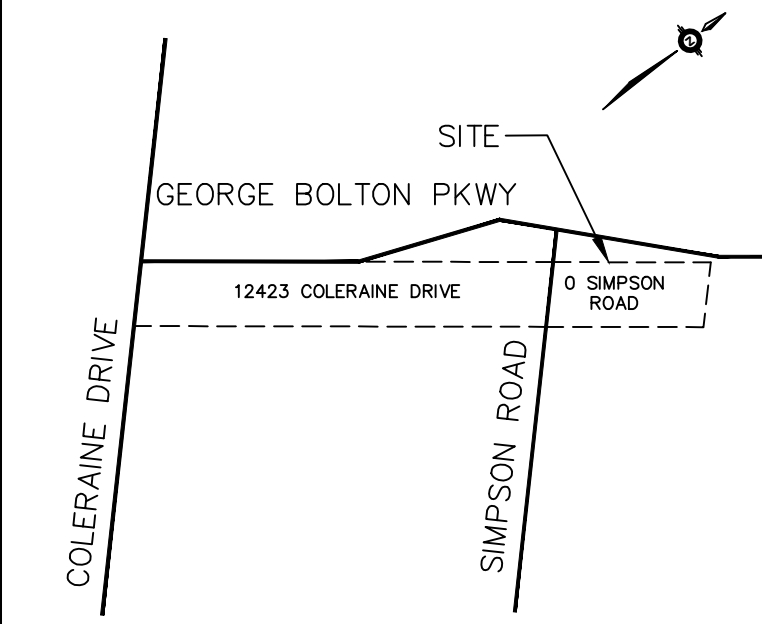
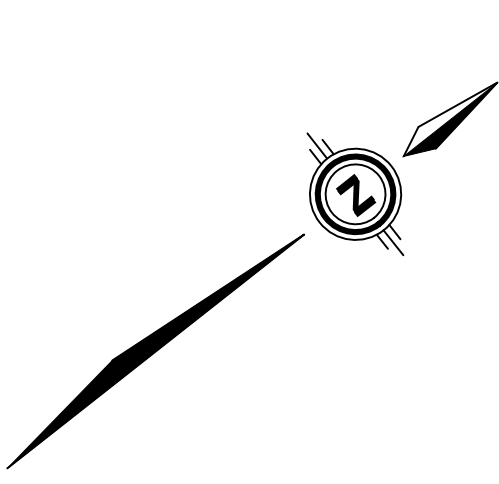




TOWN OF CALEDON
PLANNING
RECEIVED
Feb.24, 2021

APPROVED FOR CONSTRUCTION
THIS APPROVAL CONSTITUTES A GENERAL REVIEW AND DOES NOT
CERTIFY DIMENSIONAL ACCURACY.

THIS APPROVAL IS SUBJECT TO THE FURTHER CERTIFICATION OF
THE "AS CONSTRUCTED" WORKS BY A REGISTERED PROFESSIONAL
ENGINEER OF THE PROVINCE OF ONTARIO.

DATE : _____ APPROVED BY: _____

PARKING AREA PHOTOMETRIC SITE SUMMARY		
ILLUMINANCE	AVERAGE	12.6 lux
	MINIMUM	1.6 lux
	MAXIMUM	32.5 lux
UNIFORMITY	AVG/MIN RATIO	7.9:1
	MAX/MIN RATIO	20.3:1

INSTALLATION NOTES:

1. ALL VALUES SHOWN ARE IN LUX.
2. A LIGHT LOSS FACTOR OF 0.825 HAS BEEN USED IN ALL CALCULATIONS.
3. CONTRIBUTION FROM STREETLIGHTS ON MUNICIPAL ROADWAYS HAS NOT BEEN INCLUDED IN THESE CALCULATIONS.
4. CALCULATIONS WERE MADE IN AGI32, VALUES IN SUMMARIES REFLECT VALUES ON PRIVATE PROPERTY ONLY.

Accessories

Evolve™ LED High Output Flood Light (EH1)

Top And Side Visor
Ordering Logic: TSXGBW-EH1
TSXBLCK-EH1
TSXDNKR-EH1
TSXWHITE-EH1

Vandal Shield
Ordering Logic: VAW-EH1

Wire Guard
Ordering Logic: WG-EH1

Barn Doors
Ordering Logic: B04GBW-EH1
B04BLCK-EH1
B04DKR-EH1
B04WHITE-EH1

Octagonal Class B - Medium Duty Pole

Octagonal Class B - Medium Duty Pole

Physical Details:

- Octagonal symmetrically tapered shaft
- 5.375" flat to flat pole top
- 11.25" per linear ft. taper increase
- .900 lb. taperwise bending strength (2 ft. from tip)
- Add finish in standard (but optional) enamel or powdercoat finish and Decor colors are available
- For various luminaire mounting details, please reference arms and accessories

Direct Embedment

Pole Catalog Number	Pole Height Above Grade	Adjusted Embedment Depth*	Overall Pole Flat-to-Flat Length	Pole Base Flat-to-Flat (Inches)	Ultimate Ground Line Moment (lb.-ft.)	Nominal Weight (lbs.)
3.280 (B)-G	25' 0"	15' 0"	40" 0"	40" 0"	1000	1225
3.285 (B)-G	27' 0"	17' 0"	27" 6"	43" 1"	1605	1592
3.290 (B)-G	29' 0"	19' 0"	25" 0"	45" 3"	2072	1811
3.300 (B)-G	31' 0"	21' 0"	23" 6"	48" 4"	2550	1980
3.305 (B)-G	33' 0"	23' 0"	21" 0"	50" 6"	3040	2225
3.310 (B)-G	35' 0"	25' 0"	19" 0"	52" 8"	3540	2460
3.315 (B)-G	37' 0"	27' 0"	17" 6"	55" 0"	4050	2725
3.320 (B)-G	39' 0"	29' 0"	16" 0"	57" 2"	4570	3000

Base Plate

Pole Catalog Number	Pole Height Above Grade	Pole Base Flat-to-Flat (Inches)	Base Plate Size (Inches)	Base Plate Size (ft.)	Ultimate Ground Line Moment (lb.-ft.)	Nominal Weight (lbs.)
P-250 (B)-G	25' 0"	40"	15 1/2 x 15 1/2	1 1/4	2130	1225
P-270 (B)-G	27' 0"	43"	15 1/2 x 15 1/2	1 1/4	3190	1592
P-290 (B)-G	29' 0"	45"	15 1/2 x 15 1/2	1 1/4	4250	1811
P-310 (B)-G	31' 0"	48"	16 1/2 x 16 1/2	1 1/4	5310	2225
P-330 (B)-G	33' 0"	50"	16 1/2 x 16 1/2	1 1/4	6370	2460
P-350 (B)-G	35' 0"	52"	16 1/2 x 16 1/2	1 1/4	7430	2725
P-370 (B)-G	37' 0"	55"	17 1/2 x 17 1/2	1 1/2	8490	3000
P-390 (B)-G	39' 0"	57"	17 1/2 x 17 1/2	1 1/2	9550	3275

Class - EPA Loading

Wind Speed	Flat-to-Flat Pole Top Size		Flat-to-Flat Pole Base Size		Minimum Embedment Depth		Pole Weight
	ft.	in.	ft.	in.	ft.	in.	
10 mph	1.0	10 1/2	1.0	10 1/2	1.0	10 1/2	1225
15 mph	1.5	15 3/4	1.5	15 3/4	1.5	15 3/4	1592
20 mph	2.0	21 1/4	2.0	21 1/4	2.0	21 1/4	1811
25 mph	2.5	26 3/4	2.5	26 3/4	2.5	26 3/4	2225
30 mph	3.0	32 1/4	3.0	32 1/4	3.0	32 1/4	2460
35 mph	3.5	37 3/4	3.5	37 3/4	3.5	37 3/4	2725
40 mph	4.0	43 1/4	4.0	43 1/4	4.0	43 1/4	3000
45 mph	4.5	48 3/4	4.5	48 3/4	4.5	48 3/4	3275
50 mph	5.0	54 1/4	5.0	54 1/4	5.0	54 1/4	3550
55 mph	5.5	59 3/4	5.5	59 3/4	5.5	59 3/4	3825
60 mph	6.0	65 1/4	6.0	65 1/4	6.0	65 1/4	4100
65 mph	6.5	70 3/4	6.5	70 3/4	6.5	70 3/4	4375
70 mph	7.0	76 1/4	7.0	76 1/4	7.0	76 1/4	4650
75 mph	7.5	81 3/4	7.5	81 3/4	7.5	81 3/4	4925
80 mph	8.0	87 1/4	8.0	87 1/4	8.0	87 1/4	5200
85 mph	8.5	92 3/4	8.5	92 3/4	8.5	92 3/4	5475
90 mph	9.0	98 1/4	9.0	98 1/4	9.0	98 1/4	5750
95 mph	9.5	103 3/4	9.5	103 3/4	9.5	103 3/4	6025
100 mph	10.0	109 1/4	10.0	109 1/4	10.0	109 1/4	6300

Decor Colors & Finishes

	Gold	White	Black	Blue	Gray	White	Yellow	Red	Green	Orange	Black	White
Painted	111	125	140	148	151	155	160					
Powdercoat	117	133	148	158	161	165	170	175	180	185	190	195

NO.	REVISION	DATE	BY

Licensed Professional Engineer
S.C. GAYOWSKY
Registered Professional Engineer
No. 20167
Province of Ontario

RTG SYSTEMS INC.

ELECTRICAL CONSULTING ENGINEERS

3518 Mainway Dr., Suite 201
BURLINGTON ON L7M 1A8
E-MAIL: general@rtgsystems.com

TOWN OF CALEDON

RAFAT STORAGE YARD

0 SIMPSON ROAD

SITE PHOTOMETRICS

DWG BY S.C.G.	DATE 2021.02.01	CK'D BY	DATE
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SCALE
1:500
 EXCEPT SYMBOLS

DRAWING NO.

PHOT-2

SHEET 2 OF 2