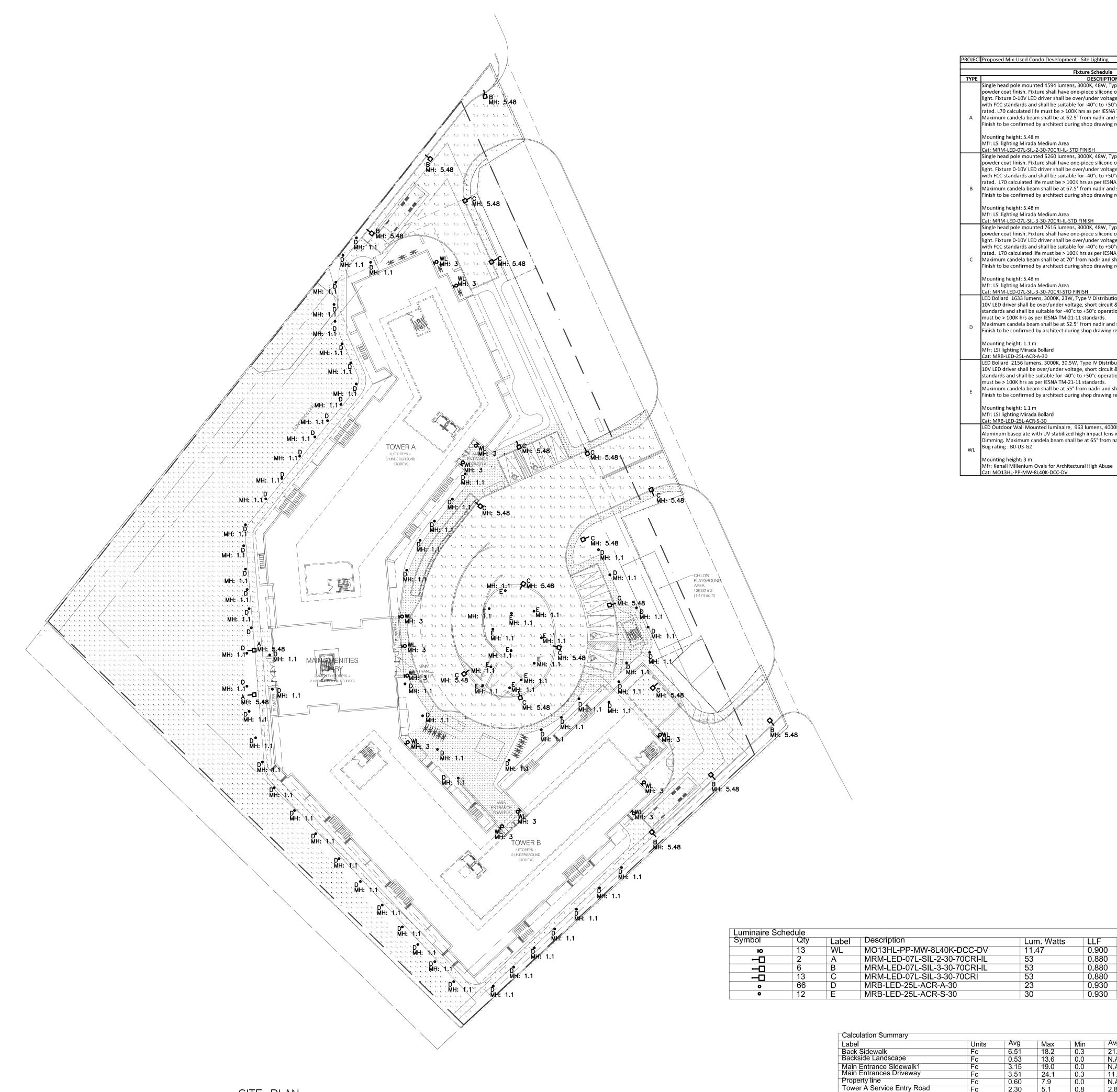
# TOWN OF CALEDON PLANNING RECEIVED

May 1, 2023



Tower A Service Road Side Walk Tower B Service Entry Road Tower B Service Road Side Walk

## PROJECTProposed Mix-Used Condo Development - Site Lighting

Fixture Schedule DESCRIPTION Single head pole mounted 4594 lumens, 3000K, 48W, Type II Distribution,70CRI, Die-cast Aluminum housing, polyester powder coat finish. Fixture shall have one-piece silicone optics with a minimum transmittance of 93% and zero up light. Fixture 0-10V LED driver shall be over/under voltage, short circuit & over temperature protected in compliance with FCC standards and shall be suitable for -40°c to +50°c operation. Fixture shall be IP66 rated to IEC60598 and IK08 rated. L70 calculated life must be > 100K hrs as per IESNA TM-21 standards. Maximum candela beam shall be at 62.5° from nadir and shall not exceed 4868 candelas. Bug rating : B0-U0-G1 Finish to be confirmed by architect during shop drawing review. To be completed with 10kV surge protection.

Cat: MRM-LED-07L-SIL-2-30-70CRI-IL- STD FINISH Single head pole mounted 5260 lumens, 3000K, 48W, Type III Distribution,70CRI, Die-cast Aluminum housing, polyester powder coat finish. Fixture shall have one-piece silicone optics with a minimum transmittance of 93% and zero up light. Fixture 0-10V LED driver shall be over/under voltage, short circuit & over temperature protected in compliance with FCC standards and shall be suitable for -40°c to +50°c operation. Fixture shall be IP66 rated to IEC60598 and IK08 rated. L70 calculated life must be > 100K hrs as per IESNA TM-21 standards. Maximum candela beam shall be at 67.5° from nadir and shall not exceed 5709 candelas. Bug rating : B0-U0-G2 Finish to be confirmed by architect during shop drawing review. To be completed with 10kV surge protection.

Cat: MRM-LED-07L-SIL-3-30-70CRI-IL-STD FINISH Single head pole mounted 7616 lumens, 3000K, 48W, Type III Distribution,70CRI, Die-cast Aluminum housing, polyester powder coat finish. Fixture shall have one-piece silicone optics with a minimum transmittance of 93% and zero up light. Fixture 0-10V LED driver shall be over/under voltage, short circuit & over temperature protected in compliance with FCC standards and shall be suitable for -40°c to +50°c operation. Fixture shall be IP66 rated to IEC60598 and IK08 rated. L70 calculated life must be > 100K hrs as per IESNA TM-21 standards. Maximum candela beam shall be at 70° from nadir and shall not exceed 6338 candelas. Bug rating : B1-U0-G2 Finish to be confirmed by architect during shop drawing review. To be completed with 10kV surge protection.

Cat: MRM-LED-07L-SIL-3-30-70CRI-STD FINISH LED Bollard 1633 lumens, 3000K, 23W, Type V Distribution, Asymmetric , 70CRI, Die-cast Aluminum housing. Fixture 0-10V LED driver shall be over/under voltage, short circuit & over temperature protected in compliance with FCC standards and shall be suitable for -40°c to +50°c operation. Fixture shall be IP66 rated per IEC 60598. L91 calculated life must be > 100K hrs as per IESNA TM-21-11 standards. Maximum candela beam shall be at 52.5° from nadir and shall not exceed 705 candelas. Bug rating : B1-U1-G1 Finish to be confirmed by architect during shop drawing review.

LED Bollard 2156 lumens, 3000K, 30.5W, Type IV Distribution, Symmetric, 70CRI, Die-cast Aluminum housing. Fixture 0-10V LED driver shall be over/under voltage, short circuit & over temperature protected in compliance with FCC standards and shall be suitable for -40°c to +50°c operation. Fixture shall be IP66 rated per IEC 60598. L91 calculated life must be > 100K hrs as per IESNA TM-21-11 standards. Maximum candela beam shall be at 55° from nadir and shall not exceed 865 candelas. Bug rating : B1-U2-G1 Finish to be confirmed by architect during shop drawing review.

LED Outdoor Wall Mounted luminaire, 963 lumens, 4000K, 11.47W, Type IV Distribution, Die-cast Aluminum baseplate with UV stabilized high impact lens with full reflector/wire cover of 92% reflectivity.Std 0-10v Dimming. Maximum candela beam shall be at 65° from nadir and shall not exceed 360 candelas.

Cat: MO13HL-PP-MW-8L40K-DCC-DV

Lum. Watts	LLF	Lum. Lumens
11.47	0.900	963
53	0.880	4167
53	0.880	5050
53	0.880	6889
23	0.930	1633
30	0.930	2156

vg	Max	Min	Avg/Min	Max/Min
51	18.2	0.3	21.70	60.67
53	13.6	0.0	N.A.	N.A.
15	19.0	0.0	N.A.	N.A.
51	24.1	0.3	11.70	80.33
60	7.9	0.0	N.A.	N.A.
30	5.1	0.8	2.88	6.38
14	14.0	0.5	4.28	28.00
85	5.9	0.2	14.25	29.50
84	2.6	0.8	2.30	3.25

NOTES:

REFER TO LAYOUT FOR LUMINAIRES MOUNTING HEIGHT.
POLE LUMINAIRES MOUNTING HEIGHT IS 18'-0" AFG. (15' POLE AND 3' BASE)
CALCULATION GRIDS ARE AT GRADE LEVEL.

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