

- General Notes
1. ALL DIMENSIONS IN MILLIMETRES.
 2. VERIFY ALL DIMENSIONS.
 3. DO NOT SCALE DRAWINGS.
 4. CHECK DRAWINGS AGAINST SPECIFICATIONS.
 5. USE THE LATEST REVISED DRAWINGS ONLY.
 6. REPORT ANY DISCREPANCIES, DISCOVERED ERRORS, OR OMISSIONS, TO THE ARCHITECT BEFORE PROCEEDING.
 7. DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED UPON COMPLETION OF WORK.

NEMETZ (S/A) & ASSOCIATES LTD.
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1	Issued for SPA	2020.06.25
No.	Issue	Date

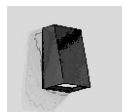
Calculation Notes:
 The calculation is done with the assumption of surface reflectance value @ 20% and light loss factor (LLF) 0.9. The calculation does not consider the following elements:

- Site:**
- Planters
 - Curbs
 - Natural day light
 - Shrubs & Plants
 - Openings
 - Slopes
 - Other vertical extrusions and elevations than finished floor/walls and privacy fence around the building site

Calculation is done with IES files provided by manufacturers.
 Calculation is done without any other lighting contribution than the ones listed in the luminaire schedule shown on the calculation sheet.
 Calculation points in on a 3ft by 3ft grid for walkway.

Lighting strategies will be including full cutoff and directed downward fixtures to provide sufficient illumination for pedestrians and minimize light pollution.

Efficient exterior lighting providing adequate illumination for safety and security will be incorporated into the design. Luminaires to be full cutoff and prevent glare discomfort and/or light trespass onto neighboring properties. There will be no exterior uplighting.



LIGHT TYPE 'JJ'



LIGHT TYPE 'KK'

Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
⊙	74	KK	SINGLE	N.A.	0.900	BEGA 24825 30R 80CRI
⊙	16	JJ	SINGLE	N.A.	0.900	BEGA 33817K3 R3 CR180

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Object 5 Top	Illuminance	Fc	4.41	22.9	0.0	N.A.	N.A.

LANDSCAPE ALLOWANCE:

ALL SITE LIGHTING EXTERIOR LIGHTING TO BE CONTROLLED BY PHOTOCELL ON TIMECLOCK OFF COMBINATION. YES VS. ANY ROOFTOP AND FACADE ARCHITECTURAL ILLUMINATION TO BE PROGRAMMED TO TURN OFF BETWEEN 11PM AND 6AM (INCLUDING AMENITY TERRACES) DURING BIRD MIGRATORY SEASON ON A SEPARATE TIME CLOCK.

CONFIRM SITE LIGHTING WITH ARCHITECT/
 LANDSCAPE ARCHITECT.

E.C. IS TO ALLOW FOR 800 FT. OF 1" CONDUIT
 C/W 14#18000 FOR IRRIGATION STUB POINTS TO LATER DETAIL.

Project
BARRIE WATERFRONT DEVELOPMENTS

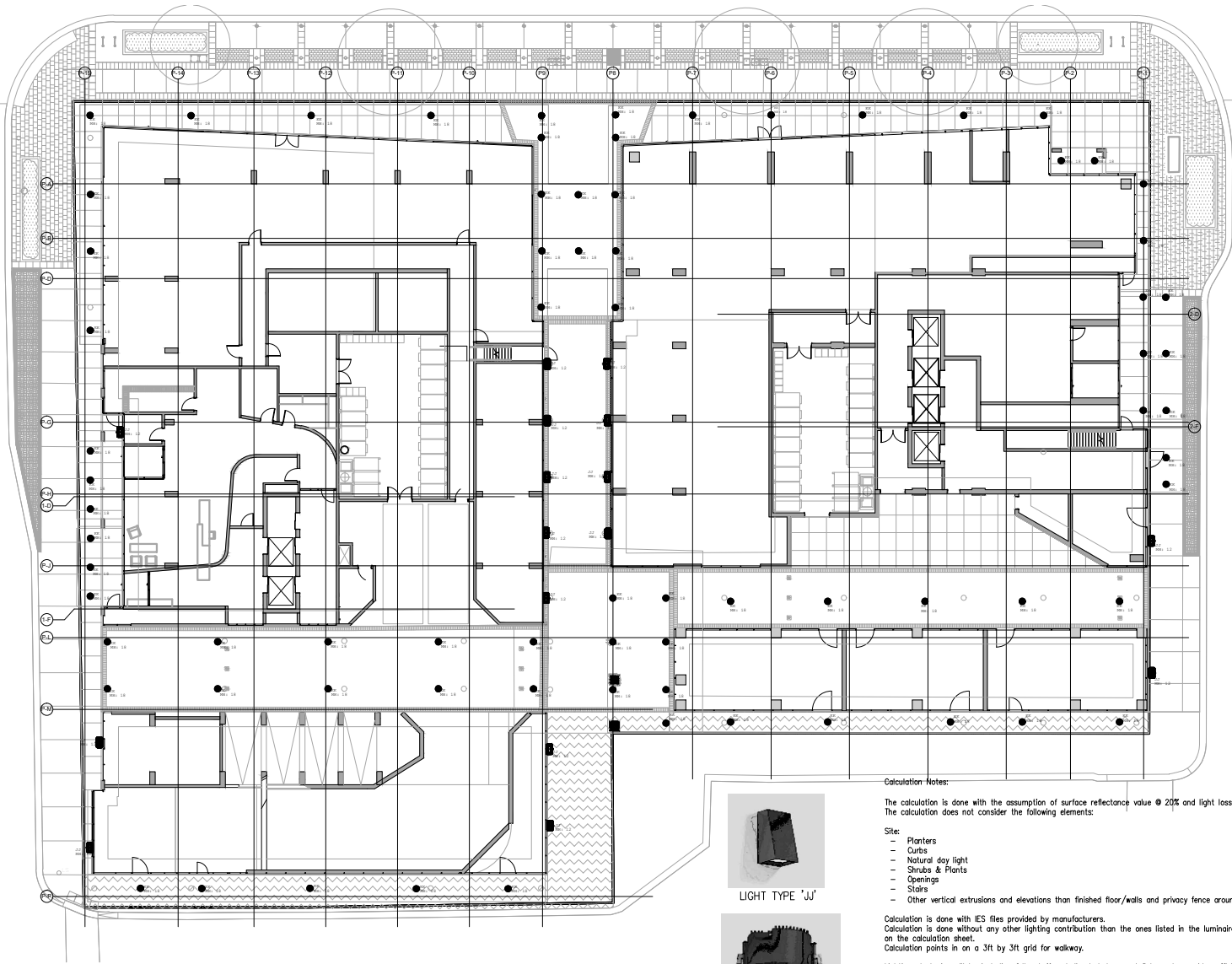
Address
55 Dunlop St. W.

Drawing
CALCULATIONS

Project number	T276
Date	2020-06-25
Drawn by	
Checked by	

L-E1.02

Scale



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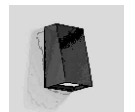
Calculation Notes:
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- Site:
- Planters
 - Curbs
 - Natural day light
 - Shrubs & Plants
 - Openings
 - Stairs
 - Other vertical extrusions and elevations than finished floor/walls and privacy fence around the building site

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Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min Max/Min
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 CONFIRM SITE LIGHTING WITH ARCHITECT/
 LANDSCAPE ARCHITECT.
 E.C. IS TO ALLOW FOR 900 FT. OF 1" CONDUIT
 C/W 14# 18R90 FOR IRRIGATION STUB POINTS TO LATER DETAIL.

Project
BARRIE WATERFRONT DEVELOPMENTS

Address
55 Dunlop St. W.

Drawing
SITE LIGHTING

Project number T276
 Date 2020-06-25

Drawn by
 Checked by

L-E1.01

Scale