

March 18, 2020

File No: 20045

By Email: braden.walker@taggart.ca

Taggart Realty Management
225 Metcalfe Street Ottawa, Suite 708
Ottawa, Ontario
K2P 1P9

Partners

A. Lawton, P.Eng.
B. Thornhill, P.Eng.

Associate Partners

S. Chénier, P.Eng., ing.
G. Mauzeroll, P.Eng., ing.

Attention: Mr. Braden Walker

**Reference: Harding Heating Site Development
200 Nipissing Court, Kanata, Ontario
Site Lighting**

Dear Braden,

We write this letter to confirm that the new site lighting design from the site plan application for the above project will not exceed 0.5 fc (5.38 lux) maintained on the adjacent properties at grade level. Please refer to the lighting calculations shown on plan SP-E01 prepared by our office.

Furthermore, all new light fixtures proposed on the aforementioned site plan will meet the criteria for Full Cut-Off (Sharp cut-off) Classification, as recognized by the Illuminating Engineering Society of North America (IESNA or IES).

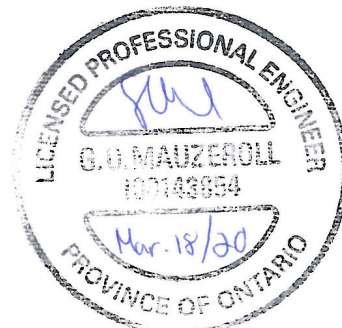
Please call if you require any additional information.

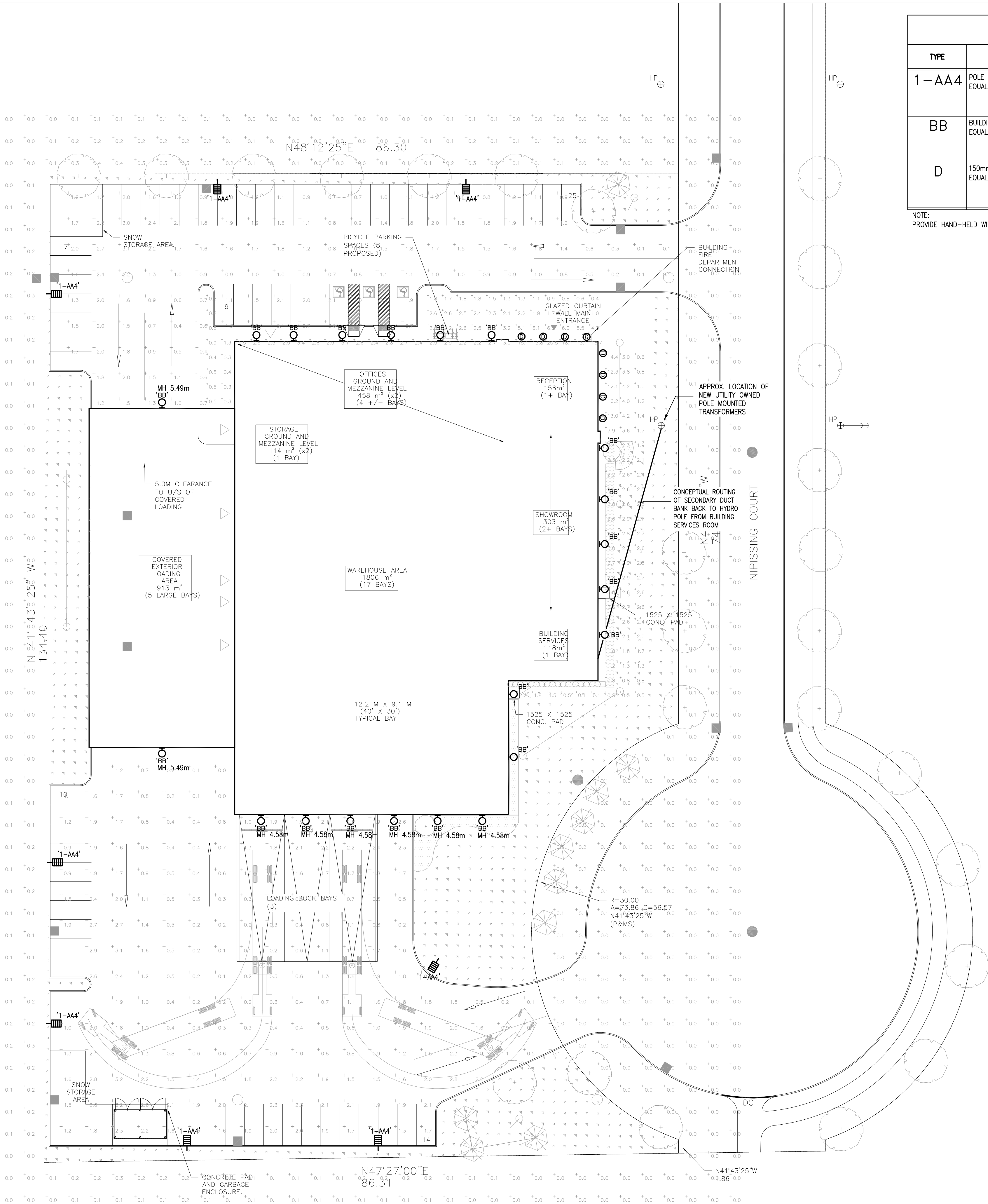
Yours truly,

McKEE ENGINEERING LTD.



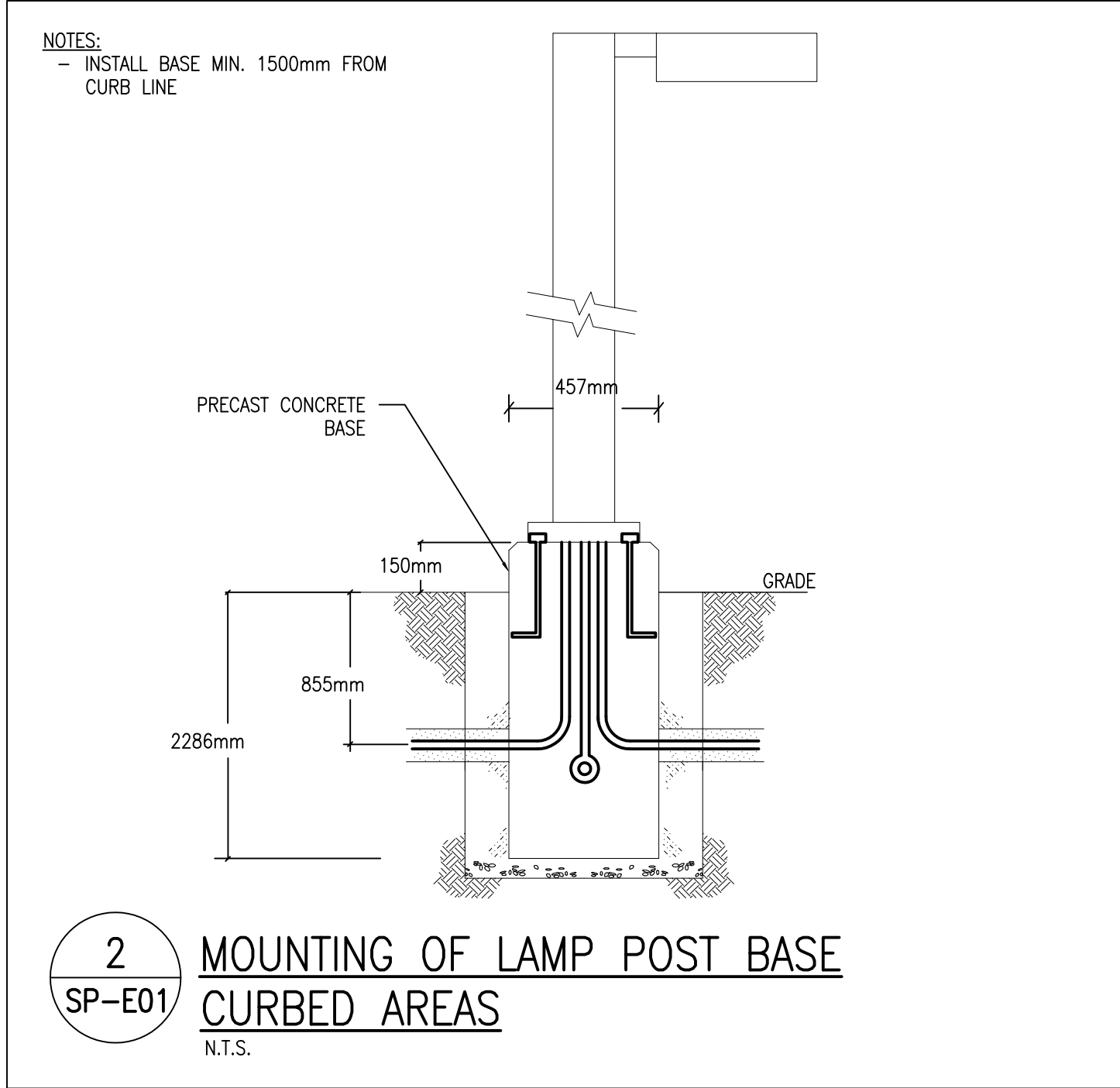
Guy-Olivier Mauzeroll, P.Eng.
Associate Partner - Electrical





EXTERIOR LIGHTING FIXTURE SCHEDULE				
TYPE	DESCRIPTION	LAMPS	MOUNTING	REMARKS
1-AA4	POLE MOUNTED FIXTURE EQUAL TO HUBBELL 'RAR2' SERIES	110W LED	SQUARE STEEL POLE 7.62m ABOVE GRADE	- 15000 LUMENS, 4000K, 70 CRI, TYPE IV DISTRIBUTION - FULL CUT-OFF, BACK LIGHT SHIELDING - FACTORY INSTALLED DIMMING OCCUPANCY SENSOR - BLACK, MOUNTING HT. INCLUDES HT. OF BASE.
BB	BUILDING MOUNTED FIXTURE EQUAL TO HUBBELL 'TRP1' SERIES	20W LED	SURFACE WALL MOUNTED 3.66m ABOVE GRADE U.O.N.	- 2245 LUMENS, 4000K, 70 CRI, TYPE III DISTRIBUTION - FULL CUT-OFF, BLACK FINISH
D	150mm DOWNLIGHT FIXTURE EQUAL TO PRESCOLITE 'LTR-6RD' SERIES	23W LED	RECESSED CANOPY	- 2000 LUMENS, 4000K, 80 CRI - IC RATED HOUSING, IP65 RATED BELOW FINISHED CEILING - NARROW BEAM ANGLE, WHITE FINISH

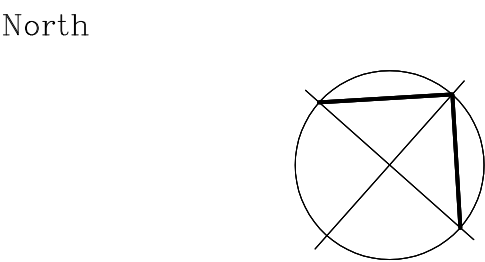
NOTE:
PROVIDE HAND-HELD WIRELESS CONFIGURATION REMOTE FOR SUCCESSFUL IMPLEMENTATION OF PROGRAMMING, A MINIMUM OF TWO (2) HAND-HELD REMOTES ARE REQUIRED.



ELECTRICAL LEGEND	
⊙	DOWNLIGHT FIXTURE, LETTER DENOTES TYPE.
'BB' ⊙	WALL MOUNTED FIXTURE, LETTER DENOTES TYPE.
'1-AA4' ⊙	EXTERIOR LIGHT STANDARD FIXTURE. LETTER DENOTES TYPE.
ABBREVIATIONS: HT - HEIGHT MH - MOUNTING HEIGHT GFI - GROUND FAULT INTERRUPTER WP - WEATHER PROOF U.O.N. - UNLESS OTHERWISE NOTED N.T.S. - NOT TO SCALE N.I.C. - NOT IN CONTRACT C/W - COMPLETE WITH U/G - UNDER GROUND POW - POWER SERVICES COMMS - COMMUNICATION SERVICES	

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Building Perimeter	+	3.0 fd	16.2 fd	0.1 fd	162.0:1	30.0:1
East						
Main Entrance Walkway	+	3.3 fd	20.5 fd	0.3 fd	68.3:1	11.0:1
Parking North	+	1.4 fd	3.1 fd	0.1 fd	31.0:1	14.0:1
Parking South	+	1.3 fd	3.2 fd	0.0 fd	N/A	N/A
Property Line	+	0.0 fd	0.5 fd	0.0 fd	N/A	N/A

GENERAL NOTES
1. COORDINATE MOUNTING HEIGHTS OF BUILDING MOUNTED LIGHT FIXTURES WITH ARCHITECTURAL ELEVATION DETAILS.



Revisions			
No.	By	Description	Date
05	MO	ISSUED FOR SPA SUBMISSION	18 MAR 2020
04	MO	ISSUED FOR SPA SUBMISSION	13 MAR 2020
03	MO	CLIENT REVIEW	25 FEB 2020
02	MO	CLIENT REVIEW	21 FEB 2020
01	MO	CLIENT REVIEW	07 FEB 2020

Project
HARDING HEATING
SITE DEVELOPMENT

200 NIPissing COURT, KANATA, ONTARIO

Drawing
ELECTRICAL:
LEGEND, DETAILS,
SCHEDULES & SITE PLAN

Scale AS SHOWN
Stamp
Drawn M.O.
Checked G.O.M.



Project No. 20045
Date FEBRUARY 2020
Drawing No.
SP-E01