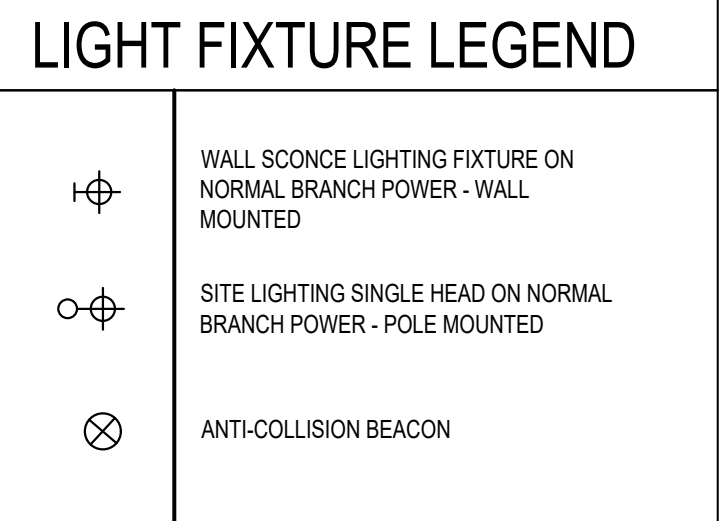




700mm
BELOW GRADE

WARNING TAPE MARKER MIN. 300mm
(12") BELOW FINISHED GRADE

NATIVE BACKFILL

TOP OF DUCT BANK TO BE MIN. 1016mm (40") BELOW FINISHED GRADE

#4 10M LONGITUDINAL BARS
AT 125mm (5") O.C. TOP AND BOTTOM

#3 10M TIES AT 600mm (24") O.C.

103mm (4") TYPE DB-2 PVC DUCT

3000 PSI 20.9 mPa CONCRETE

CONCRETE ENCASEMENT TO REST
ON UNDISTURBED SOIL

190mm

NOTES:

- UNDERGROUND DUCTBANK SHALL MEET OESC, ELECTRICAL SPECIFICATIONS, AND OTHER LOCAL STANDARD REQUIREMENTS. ELECTRICAL CONTRACTOR SHALL PROVIDE IEEE CALCULATION IF ANY DEVIATION FORM THE OESC REQUIREMENTS.

760mm
BELOW GRADE

1016mm (40")
BELOW FINISHED GRADE

190mm

190mm

190mm

WARNING TAPE MARKER MIN. 300mm (12") BELOW FINISHED GRADE

NATIVE BACKFILL

TOP OF DUCT BANK TO BE MIN. 1016mm (40") BELOW FINISHED GRADE

#4 10M LONGITUDINAL BARS AT 125mm (5") O.C. TOP AND BOTTOM

103mm (4") TYPE DB-2 PVC DUCT

#3 10M TIES AT 600mm (24") O.C.

3000 PSI 20.9 mPa CONCRETE

CONCRETE ENCASMENT TO REST ON UNDISTURBED SOIL

190mm

NOTES:

- UNDERGROUND DUCT BANK SHALL MEET OESC, ELECTRICAL SPECIFICATIONS AND OTHER LOCAL STANDARD REQUIREMENTS. ELECTRICAL CONTRACTOR SHALL PROVIDE IEEE CALCULATION IF ANY DEVIATION FROM THE OESC REQUIREMENTS.

The diagram illustrates a cross-section of an underground ductbank. At the top, a layer of 'WARNING TAPE MARKER' is shown, with a note indicating it should be a minimum of 300mm (12 inches) below the finished grade. Below this is the 'NATIVE BACKFILL'. The 'TOP OF DUCT BANK' is marked, with a note stating it should be a minimum of 1016mm (40 inches) below the finished grade. The ductbank itself consists of a central core of '3000 PSI 20.9 mPa CONCRETE' containing two circular conduits. This core is surrounded by a 'CONCRETE ENCASMENT TO REST ON UNDISTURBED SOIL'. The encasement is reinforced with '#4 10M LONGITUDINAL BARS' at 125mm (5 inches) on center, top and bottom, and '#3 10M TIES AT 600mm (24 inches) O.C.' The conduits are specified as '103mm (4 inches) TYPE DB-2 PVC DUCT'. A dimension of '190mm' is shown for the width of the concrete encasement around the conduits. The entire assembly is shown resting on 'UNDISTURBED SOIL'.

760mm
BELOW GRADE

WARNING TAPE MARKER MIN. 300mm
(12") BELOW FINISHED GRADE

NATIVE BACKFILL

TOP OF DUCT BANK TO BE MIN. 1016mm (40") BELOW FINISHED GRADE

#4 10M LONGITUDINAL BARS
AT 125mm (5") O.C. TOP AND BOTTOM

#3 10M TIES AT 600mm (24") O.C.

103mm (4") TYPE DB-2 PVC DUCT

3000 PSI 20.9 mPa CONCRETE

CONCRETE ENCASMENT TO REST
ON UNDISTURBED SOIL

190mm

NOTES:

- UNDERGROUND DUCTBANK SHALL MEET OESC, ELECTRICAL SPECIFICATIONS, AND OTHER LOCAL STANDARD REQUIREMENTS. ELECTRICAL CONTRACTOR SHALL PROVIDE IEEE CALCULATION IF ANY DEVIATION FROM THE OESC REQUIREMENTS.

Drawing No. E-02

MEGHA HOLDINGS

[illegible]

EXP Services Inc.
T: 613.688.1899
2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6
Canada
www.exp.com

Seal(s)



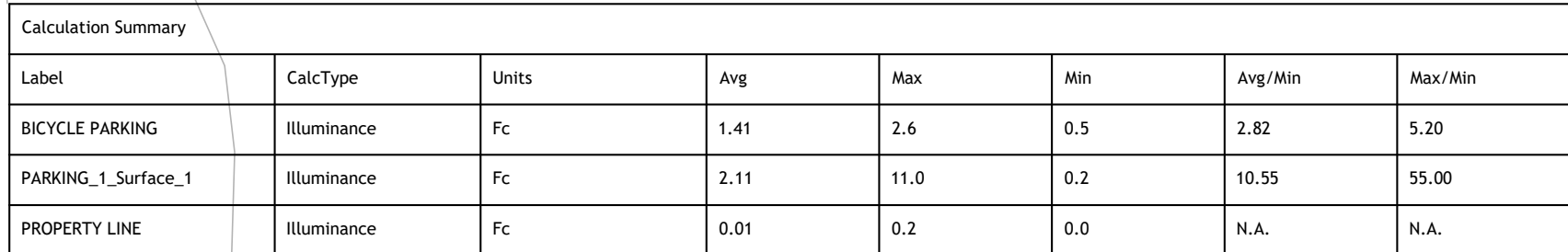
The seal is circular with a double-lined border. The outer ring contains the text "LICENSED PROFESSIONAL ENGINEER" at the top and "PROVINCE OF ONTARIO" at the bottom. In the center, there is a stylized signature of "Z. Li" over the license number "100230983". A date stamp "Sept. 10, 2026" is written across the bottom half of the seal.

Project

**PROPOSED 1 STOREY
WAREHOUSE**

3113 CARP ROAD, OTTAWA
K0A 1L0

Drawing No. E-02a



Luminaire Schedule						
Label	Qty	Arrangement	LLF	Description	Lum. Lumens	Lum. Watts
P1	11	Single	0.900	VP-SS-1-40L-120-3K7-4F-8C	10855	121.6
P2	2	Single	0.900	VP-1-160L-100-3K7-4F	11701	92
W1	6	Single	0.900	VPW1-24L-25-3K7-3	2786	23
W2	12	Single	0.900	VPW3-36L-105-3K7-3	12257	108.2
W3	24	Single	0.900	SG1-10-3K	1346	11.4
B1	4	LED Double with transfer & alarm; 120V., Prewired yellow pilot light on cover to indicate transfer. Includes NVG Compatibility				
B2	8	LED single with alarm; 120V., Includes NVG Compatibility				

1 LIGHTING PHOTOMETRICS SITE PLAN

SCALE: 1:400