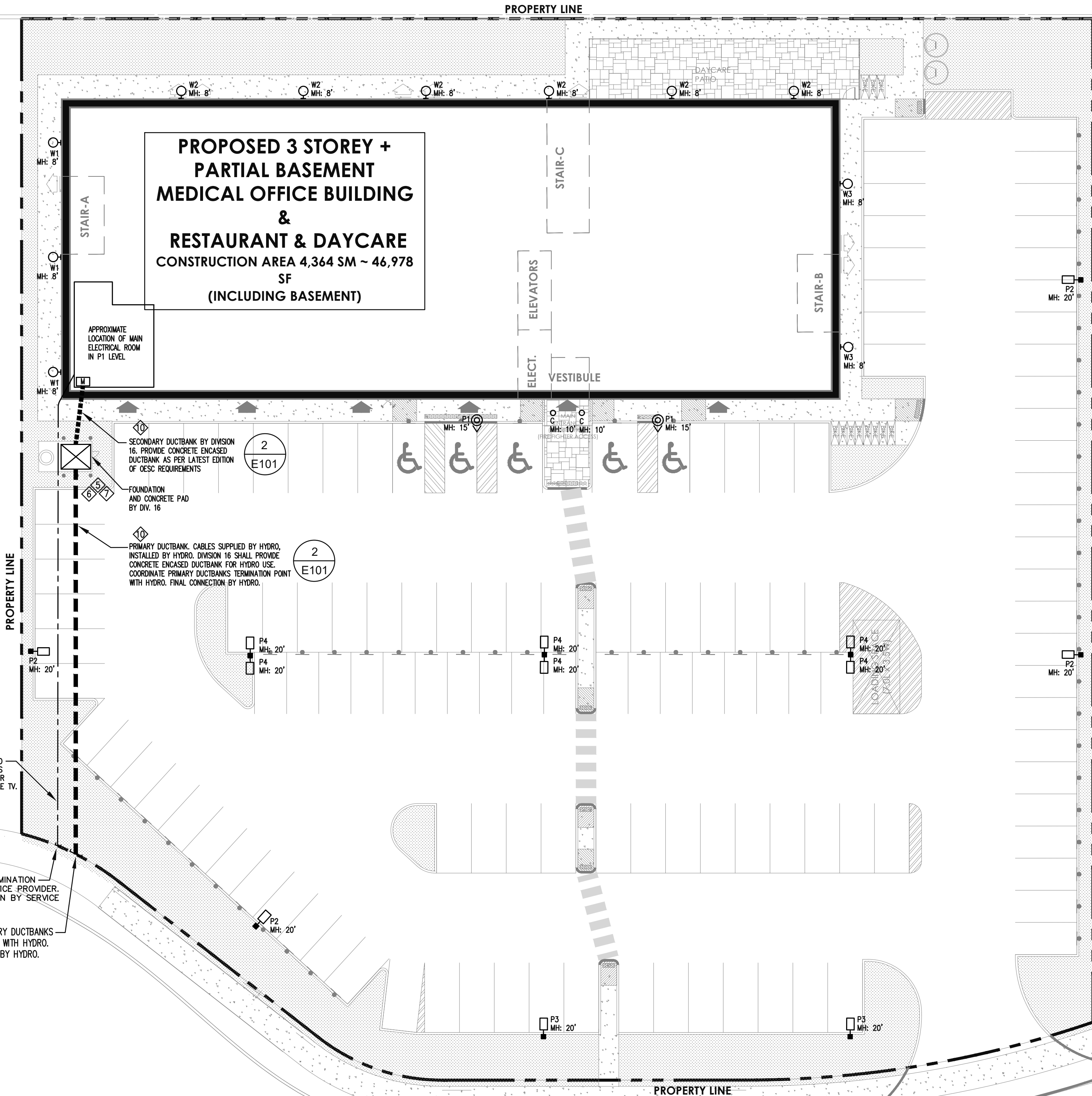
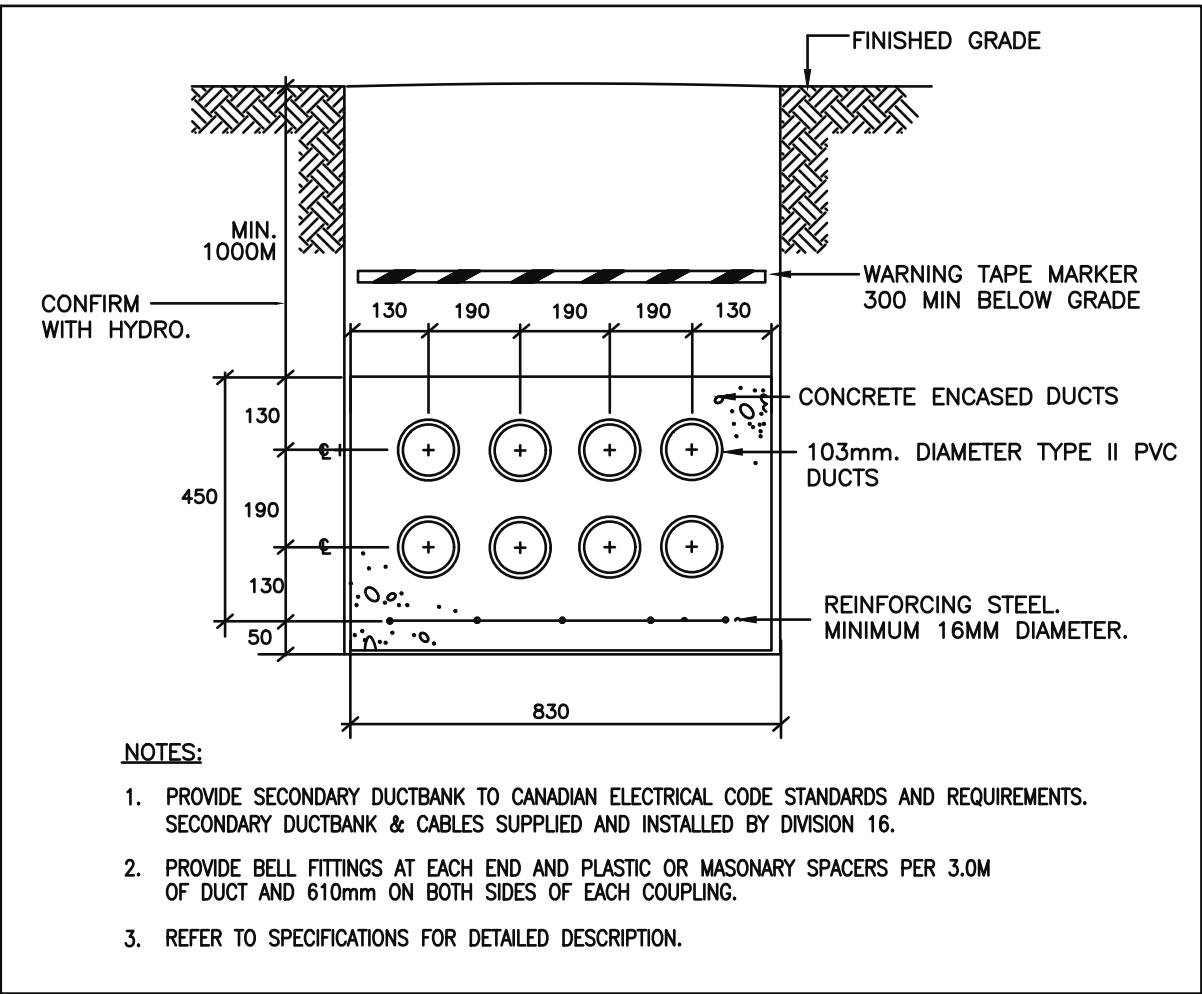


O'KEEFE COURT

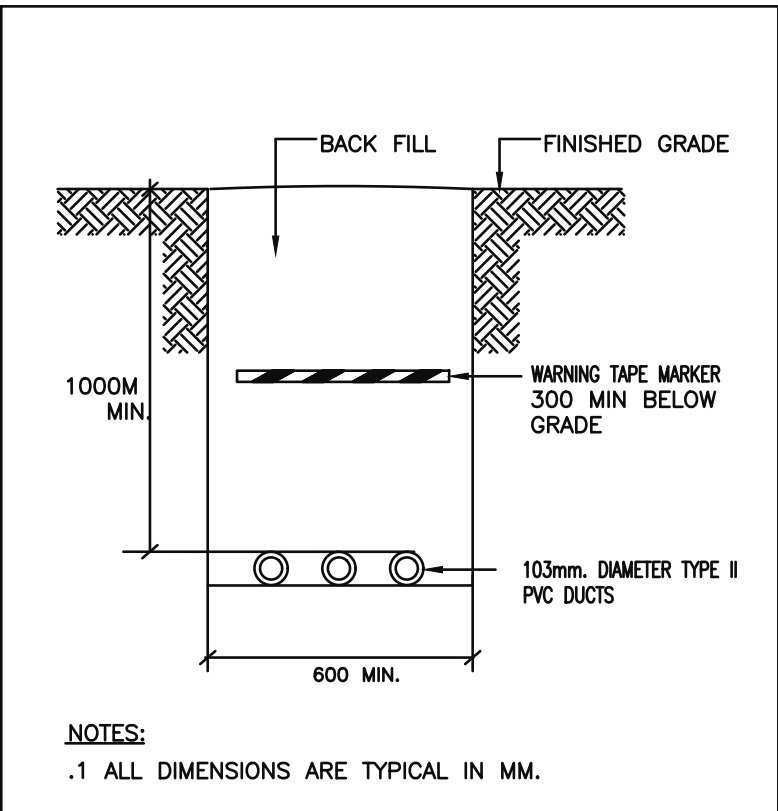


1 SITE PLAN – ELECTRICAL LAYOUT
E101 SCALE: 1:200

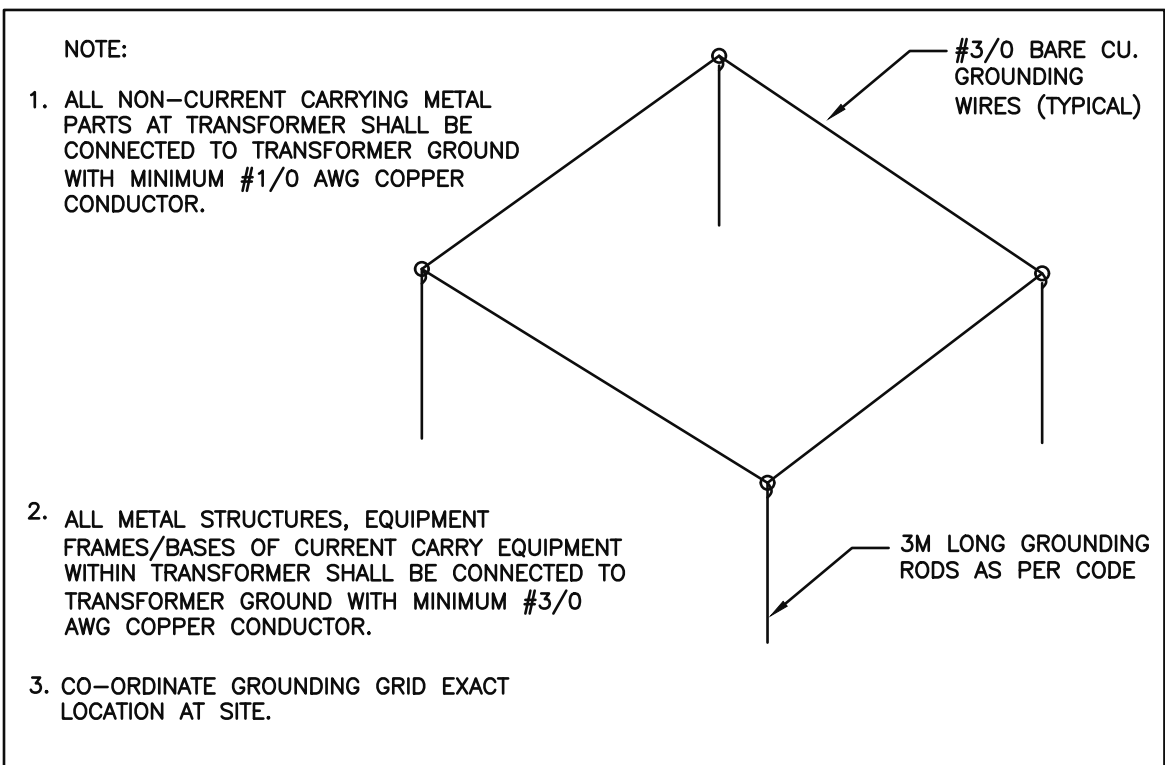
RUE LUSK STREET



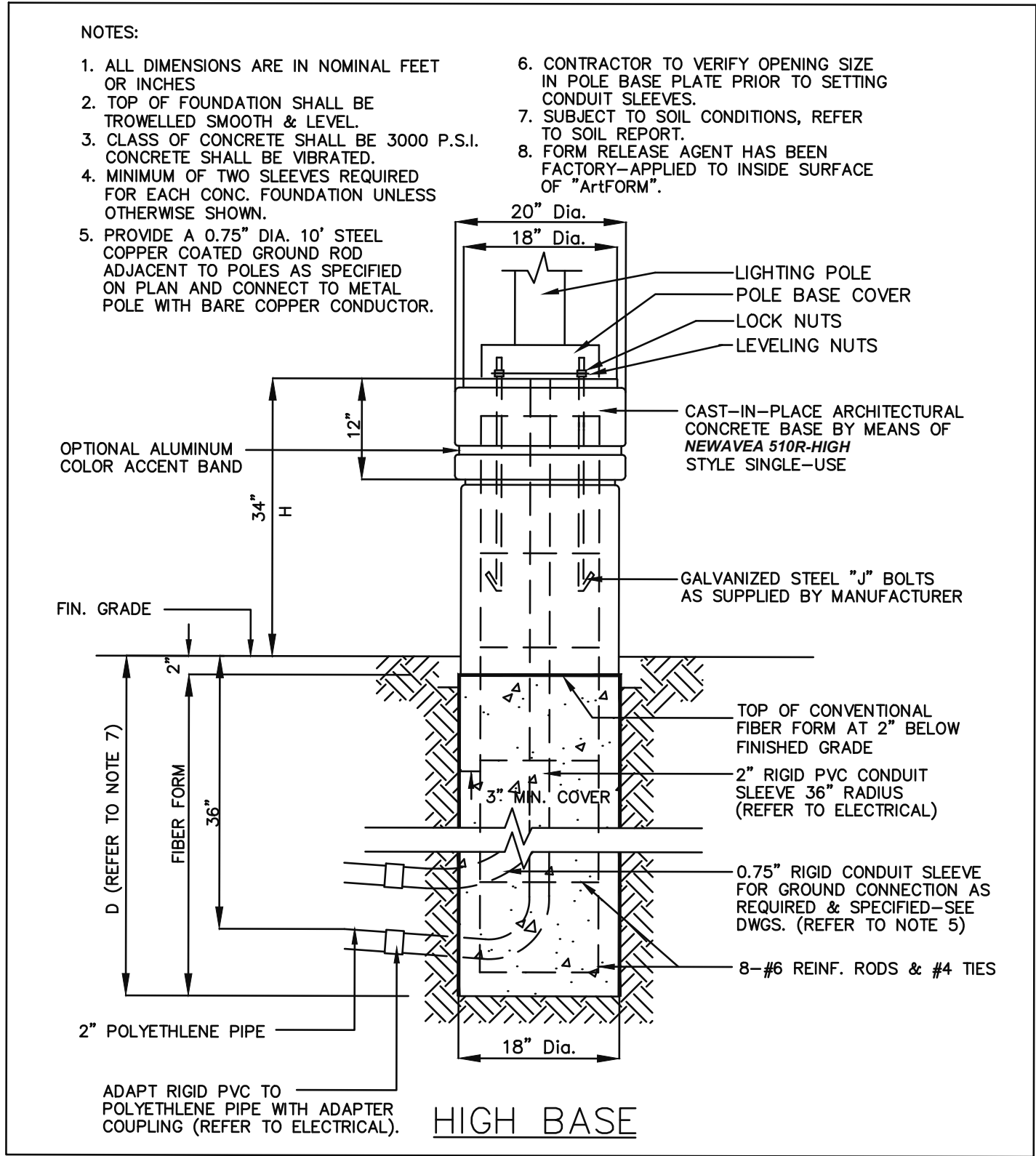
2 PRIMARY/SECONDARY DUCTBANK DETAIL
E101 N.T.S.



3 DIRECT BURIED CONDUIT DETAIL
E101 N.T.S.



4 TRANSFORMER GROUNDING DETAIL
E101 N.T.S.



5 LIGHTING STANDARD BASE DETAIL
E101 N.T.S.

- DRAWING NOTES:**
- RUN MINIMUM #8 AWG WIRING AND TYPE II PVC CONDUITS FOR ALL EXTERIOR LIGHTING POLE, BOLLARDS, WALL PACKS, AND FLAG POLE LIGHTING TO ENSURE NO VOLTAGE DROP EXCEEDS 2.5%.
 - SUN COUNTRY HIGHWAY MODEL EV40, 40A-2P, LEVEL II EV CHARGER FROM SUNCOUNTRY.
 - DETAILS ON THIS DRAWING ARE FOR INFORMATIONAL PURPOSES ONLY. ALL TRANSFORMER INSTALLATIONS, DUCTING, AND PERTAINING DEVICES TO BE INSTALLED AS PER HYDRO STANDARDS AND DETAILS. CONTRACTOR TO COORDINATE CLOSELY WITH HYDRO REPRESENTATIVE THROUGHOUT ALL INSTALLATIONS.
 - INTERCOM PHONE & CARD READER TO OPEN PARKING OVER HEAD DOOR.
 - PROVIDE 4 (FOUR) PROTECTIVE BOLLARDS FOR TRANSFORMER (TYPICAL FOR ALL).
 - PADMOUNT TRANSFORMER BY HYDRO. SEE HYDRO REQUIREMENTS AND DETAILS.
 - FOUNDATION, PAD, BOLLARDS AND GROUNDING BY ELECTRICAL CONTRACTOR PER HYDRO STANDARDS. SEE HYDRO REQUIREMENTS AND DETAILS.
 - ALL PRIMARY DUCTBANK INSTALLATION TO BE AS PER HYDRO STANDARDS. CABLES SUPPLIED BY HYDRO, INSTALLED BY CONTRACTOR. CONTRACTOR TO BE IN CONSTANT COORDINATION WITH HYDRO REPRESENTATIVE THROUGHOUT ALL INSTALLATIONS. 4 DUCT ARRANGEMENT PER HYDRO STANDARDS IS TO BE INSTALLED.

NOTE: ALL TRANSFORMER INSTALLATIONS, DUCTING, AND DEVICES TO BE INSTALLED AS PER HYDRO STANDARDS AND DETAILS. SEE HYDRO STANDARDS AND DETAILS. CONTRACTOR TO COORDINATE CLOSELY WITH HYDRO REPRESENTATIVE THROUGHOUT ALL INSTALLATIONS.

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T. 905.281.4444

Client:
Dr. Sandra Iroakazi

Project:

LUSK MEDICAL BUILDING

120 LUSK STREET
OTTAWA, ON

Sheet Title:

SITE PLAN - ELECTRICAL LAYOUT

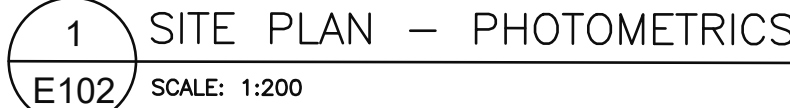
Design By: N.P.	Drawn By: N.P.	Approved By: G.S.
Scale: AS SHOWN	Date:	Project No.: 35-24

Drawing No:

E101

Of:

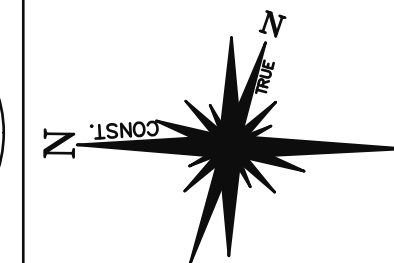
Drawing Series:



Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
PARKING LOT	✗	1.9 fc	6.9 fc	0.3 fc	23.0:1	6.3:1
SPILL	✗	0.0 fc	0.3 fc	0.0 fc	N/A	N/A



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Project North:	True North:
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T. 905.281.4444

Client:
Dr. Sandra Iroakazi

Project:

LUSK MEDICAL BUILDING

120 LUSK STREET
OTTAWA, ON

Sheet Title:

SITE PLAN - PHOTOMETRICS

Design By: N.P.	Drawn By: N.P.	Approved By: G.S.
Scale: AS SHOWN	Date:	Project No.: 35-24

E102

Of:

Drawing Series:

TYPE P2, P3, P4

LDS - SAL
LED Small Area Light

Catalog Number:	
Project:	
Comments:	
Prepared By:	Date:

Description

The sleek future design of the LDS-SAL is a blend of modern sophistication and unmatched efficiency. The LDS-SAL, small area light includes the benefits of superior thermal efficiency, an industry leading ten-year warranty, and custom optics ensuring best-in-class photometric results. Optimize photometric designs with greater pole spacing, uniformity, and lower energy usage. The LDS-SAL includes lumen packages up to 30,000 lumens allowing one-for-one replacements of existing HID fixtures up to 1000 Watt and is a perfect space-grade solution for parking lots, pathways, tennis courts, and many other outdoor applications. Proudly Made in the USA.

Technical Specifications

Input Voltage: 120-277V or 347-480V

Housing: Die-cast aluminum housing with 80% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally-friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chrome conversion coatings and allows maximum adhesion of the powder coating to the aluminum substrate. Housing features an integrated heat sink and driver compartment built into the future design.

Mounting: Mounting arm designed for a square / round pole (standard). Additional mounting options include a pole mounting arm adaptor.

Split Circuit: Optional

Effective Projected Area (EPA): 0.89'

Color Temperature: 2200K, 2700K, 3000K, 4000K (standard), 5000K

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient outdoor temperatures from -40°F to 115°F/40°C.

Color Rendering Index (CRI): Minimum of 80 or higher. CRI 90+ available upon request. CRI 90+ not available in 2200K.

Dimming: 0-10V standard dimming capability.

Custom Optics: Lumecon meticulously engineered premium acrylic optical lenses to maximize the distribution and uniformity of light while mimicking our. Our arrays distribute light at least 21% further and with 20% more uniformity than leading competitors. Lumecon custom lenses create a uniform, well-lit environment that mitigates luminance "hot spots" and use less wattage than typical LED area lights.

Vandal Resistant: Our lens is also resistant to vandalism with a low compact design making the lens material dense and impact resistant. We build to withstand high abuse lighting environments.

Surge Protection: Thermally protected 20kV AC/AC varistor type surge suppressor is included and meets ANSI C136.2-2015, Exemptions Level. Also meets ESD1645.11 Class II (EM1645.11 Type 2, and US Dept of Energy MSBLC Model Spec for surge protection. The device is wired to series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Email: sales@lumecon.com Website: www.lumecon.com Phone: 248-477-0009
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Note: Specifications and dimensions may be subject to change at any time without notice.
Please see www.lumecon.com for current specifications and documentation. (11/22/2022)



TYPE W1, W2, W3

NAFCO® PRODUCT FAMILY

Proudly engineered and manufactured in Wisconsin, USA – our NAFCO® family of LED lighting products combines 50 years of manufacturing expertise with premium components and top-notch Midwestern workmanship. From high-output outdoor applications to extreme indoor industrial environments – NAFCO® series products drastically reduce energy consumption and maintenance costs and come supported by WILL's unmatched design, engineering, and project support capabilities.

- Output options over 30,000 lumens
- Proven black anodized heat sink for maximum thermal dissipation and low LED junction temperature
- True Amber and Phosphor Coated (PC) Amber premium LED chip options
- Wireless and on-board control options including motion, photo, dimming, daylight harvesting, zones, and schedules
- High-grade aluminum enclosure for superior corrosion resistance, strength, and thermal management
- Premium tier 1 LED chips and optics for extreme efficiency and high-quality color rendering for a broad range of applications
- Recessed light engine design with zero-uhlight rating (U0)

NAFCO® WCX

Wall Mount LED Lighting



TYPE C



Light Lotus

DESCRIPTION
All in one 6-30W dimmable 6" LED downlight for retrofit & new construction. Perfect for hospitality, healthcare, retail, shopping mall & retail, office, exterior soffits, etc.

FEATURES & BENEFITS

- Universal voltage 120-347V
- 0-10V Dimmable 95-100%
- 5 CCT selectable 2700 - 3000 - 3500 - 4000 - 5000 K
- 5 Wattage Adjustable 12 - 16 - 22 - 26 - 30 W
- Type IC, Wet location & Air-tight
- Recessed optics with low glare
- White Trim with White or Silver (Alzak) reflector in stock

DIMENSIONS ID 6" OD 8 3/4" Depth 4 3/4" Recessed 2" Cut-Out 6" to 7" Ceiling Space needed 4 3/4"

Trim Options - Matte White and Alzak in stock, other trims available by custom order

ACCESSORIES - Sold Separately. Please note that junction box is not included

Black trim cover model # LBL-6CRT-B

Silver trim cover model # LBL-6CRT-S

Goof Ring White OD 10 1/2" model # LBL-6CGR-W

New Construction Mounting Plate for Stud Ceiling model # LBL-MP-C4-8-STUD

New Construction Mounting Plate for T-bar Ceiling model # LBL-MP-C4-10-TBAR

Emergency Driver BW 120-347V input model # BL0-HM080-YY

COMPLIANCE

Type IC & Air-Tight Wet Location

UL Listed

UL Listed

UL Listed

UL Listed

UL Listed

UL Listed

UL Listed

UL Listed

UL Listed

UL Listed

UL Listed

UL Listed

UL Listed

UL Listed

DL254-6-30W-M-A5C5-HO
6" Round Commercial 5 CCT & 5 Wattage Selectable

Project:	
Location:	
Model:	Qty:
Notes:	

Applications	Commercial Recessed Ceiling
Power Levels (W)	CCT / W 12 16 22 26 30
Light Output (lm)	2700K 1350 1760 2390 2750 3010 3000K 1350 1820 2390 2750 3200 3500K 1420 1920 2530 2920 3390 4000K 1460 1970 2580 2970 3410 5000K 1510 2020 2650 3030 3450
Color Temperature (K)	SCCT user selectable: 2700-3000-3500-4000-5000 K
Beam Angle	85°
CRI	80
Input	120V-347V AC 50/60 Hz
Dimming	0 - 10V
Approved Location	Insulated Ceiling & Wet Locations
Air Tight	Yes
Ambient Temperature	-4°F (-20°C) to +104°F (+40°C)
Projected Life	70% Light Output at 50,000 Hours
Certification	cETLus
Warranty	5 Year

Trim Options - Matte White and Alzak in stock, other trims available by custom order

White Trim White Reflector

White Trims Silver Reflector (Alzak)

ACCESSORIES - Sold Separately. Please note that junction box is not included

Black trim cover model # LBL-6CRT-B

Silver trim cover model # LBL-6CRT-S

Goof Ring White OD 10 1/2" model # LBL-6CGR-W

New Construction Mounting Plate for Stud Ceiling model # LBL-MP-C4-8-STUD

New Construction Mounting Plate for T-bar Ceiling model # LBL-MP-C4-10-TBAR

Emergency Driver BW 120-347V input model # BL0-HM080-YY

COMPLIANCE

Type IC & Air-Tight Wet Location

UL Listed

UL Listed

UL Listed

UL Listed

UL Listed

UL Listed

UL Listed

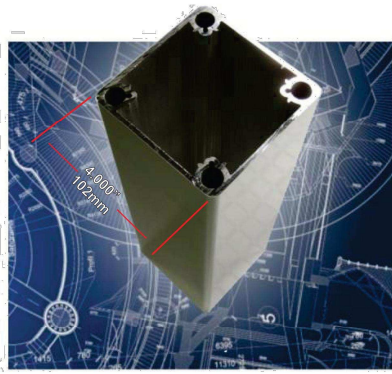
UL Listed

UL Listed

UL Listed

UL Listed

POLE



POLE: (Not Welded)
Extruded aluminum high strength alloy shaft with 35,000 PSI maximum yield. Multiple internal support structure designed to increase load capacity and greatly reduce pole movement and vibrations. All exposed fasteners are stainless-steel

Standard Base:
4 Bolt cast aluminum base high strength 713 alloy, full modular 9.000" to 8.000" B.C.D.

Optional Multi base
4 Bolt cast aluminum base high strength 713 alloy, full modular 8.000" to 12.000" B.C.D.

Anchor Assembly (AA8)
4 - 5/8" x 18" L-bolts c/w Wood positioning template 5.657" 144mm 18.000" 457 mm

Height
ft (m) 70 80 90 100 120 150

Velocity (MPH)
9.9 7.6 6.0 4.8 3.1 2.1

Weight
lbs(kgs) 32 (10) 44 (15) 55 (20) 63 (26)

EPA calculations to AASHTO with 1.3 gust factor

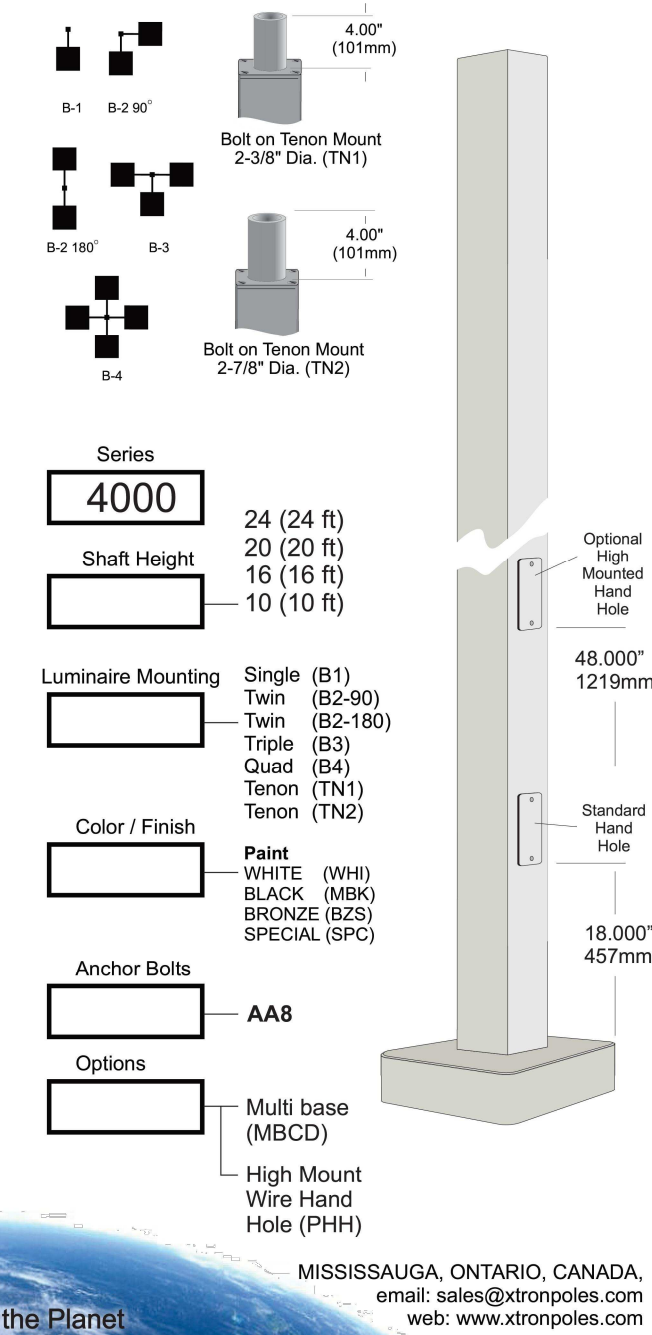
Certified to Canadian and US electrical safety standards for "Wet Location"

MISSISSAUGA, ONTARIO, CANADA, email: sales@xtronpoles.com web: www.xtronpoles.com

Strongest Poles on the Planet

4000 Series Lighting Poles

- Modular construction
- Light weight, ultra strong
- Low vibration
- Zero maintenance
- 20 Year structural warranty



MISSISSAUGA, ONTARIO, CANADA, email: sales@xtronpoles.com web: www.xtronpoles.com

TYPE P1

Project: Type: Date: Notes:

The SKY2S-LED series are performance area light with selectable features ideal for a wide range of applications including commercial and retail parking lots, car dealerships, and roadway lighting.

IDEAL APPLICATIONS

- Car Dealerships
- Parking Lots
- Courtyards

SPECIFICATIONS

SKY2S-LED80A40	SKY2S-LED150A100	SKY2S-LED80A40	SKY2S-LED150A100
PERFORMANCE		CONSTRUCTION	
Light Output	10000/7500/5000 lm (Lumen Selectable)	Housing	Die-cast Aluminum
Efficacy	125 lm/W	Lens	Semi-frosted polycarbonate
CCT	4000/5000K (CCT Selectable)*, 3000K	Paint Finish	Weather and corrosion resistant polyester powder coat finish
Beam Distribution	Symmetrical* Wide Asymmetrical Elliptical Horizontal Elliptical Vertical	AMBIENT OPERATING TEMPERATURE -40°C to 45°C	
LED Lifetime (L70)	>100,000 Hrs	MOUNTING	
CRI	80	Twin Arm (Post Top for 3' Tenon) Direct Pole Mount, Surface Mount (Canopy/Garage)	
B-U-G	B4-U0-C3	CERTIFICATIONS	
ELECTRICAL		cETLus certified as per UL1598 & CSA C22.2 NO.250.0.21 DLC Premium	
Wattage	80/60/40W	CONTROLS	
Voltage	120-347V	0-10V Dimming (Dim to Off) Twist lock Photocell, 3PIN, 7PIN, Microwave Motion Sensor PCL5 (Photocell, CCT, Lumen Select)	
Surge Protection	10kV External Standard as per UL1449		
Power Factor	0.95		
THD	6.8%		
Supply Cord	600V, STW (6x18 AWG)		

All reported values were tested at 277V and 4000K and shown for the highest lumen setting

*Standard Configuration

Default Setting: Highest Lumen, 4000K

RAB Design Lighting Inc. | 1-222 Islington Avenue, Toronto, ON, M8V 3W7 | 1-800-268-0381 | rabdesign.ca 04 | 2024 1

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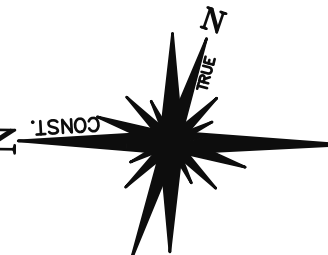
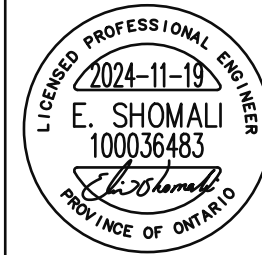
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Client:
Dr. Sandra Iroakazi

Project:

LUSK MEDICAL BUILDING

120 LUSK STREET
OTTAWA, ON

Sheet Title:

SITE PLAN
- LIGHTING TYPES
& CUTSHEETS

Design By: N.P. Drawn By: N.P. Approved By: G.S.

Scale: AS SHOWN Date: Project No.: 35-24

Drawing No:

E103

Drawing Series:

Of: