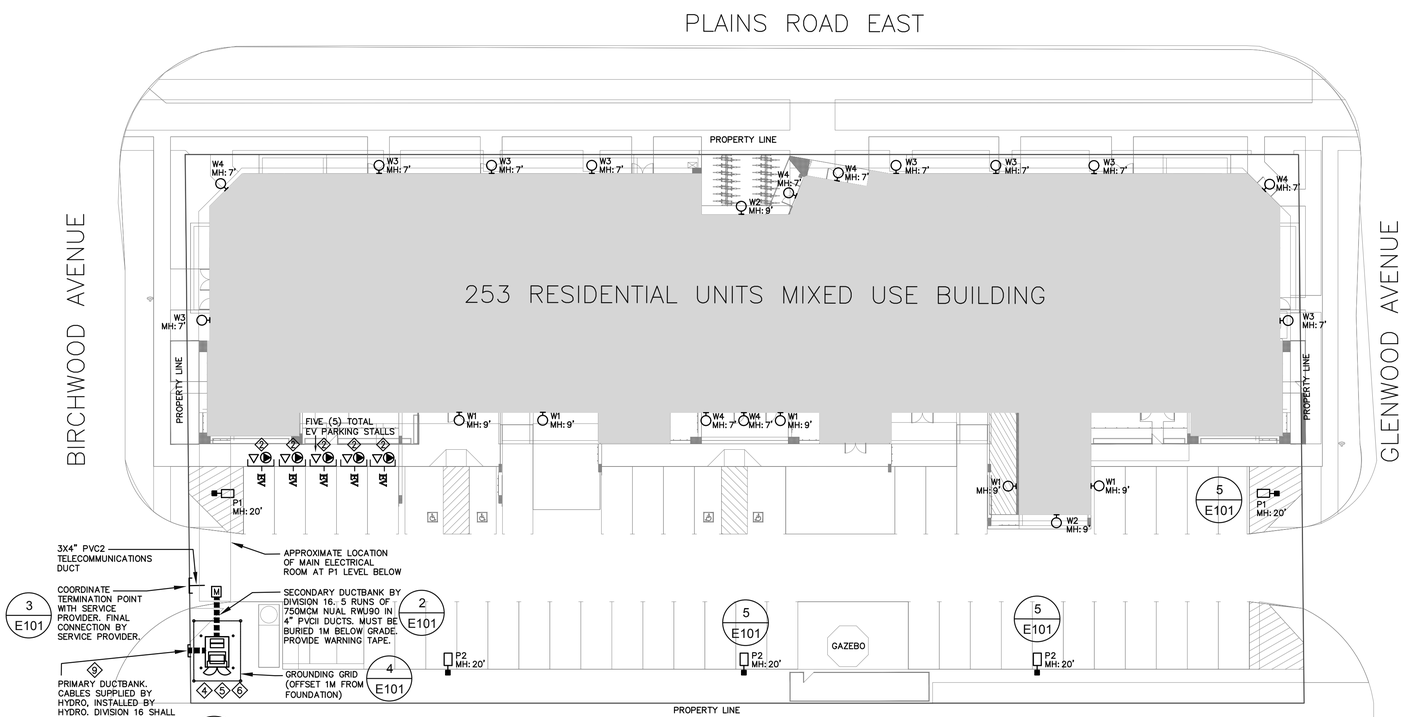
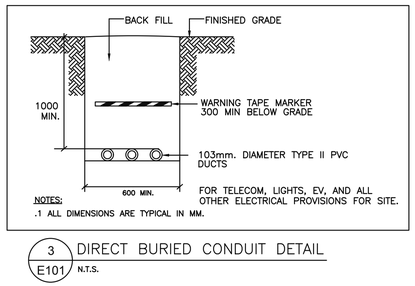


1 E101 SITE PLAN – ELECTRICAL LAYOUT

SCALE: 1:250

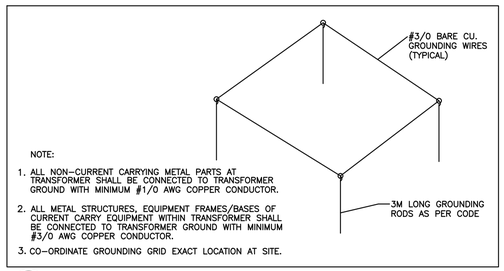
DRAWING NOTES:

1. 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%.
2. SUN COUNTRY HIGHWAY MODEL EV40. 40A-2P, LEVEL II EV CHARGER FROM SUNCOUNTRY
3. DETAILS ON THIS DRAWINGS 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
4. PROVIDE 4 (FOUR) PROTECTIVE BOLLARDS FOR TRANSFORMER (TYPICAL FOR ALL).
5. PADMOUNT TRANSFORMER BY HYDRO. SEE HYDRO REQUIREMENTS AND DETAILS.
6. FOUNDATION, PAD, BOLLARDS AND GROUNDING BY ELECTRICAL CONTRACTOR PER HYDRO STANDARDS. SEE HYDRO REQUIREMENTS AND DETAILS.
7. ALL SITE LIGHTING SHALL BE 120V.
8. POTLIGHTS SHALL BE RECESSED INTO FINISHED CANOPY CEILING.
9. 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. 8 DUCT ARRANGEMENT PER HYDRO STANDARDS IS TO BE INSTALLED.



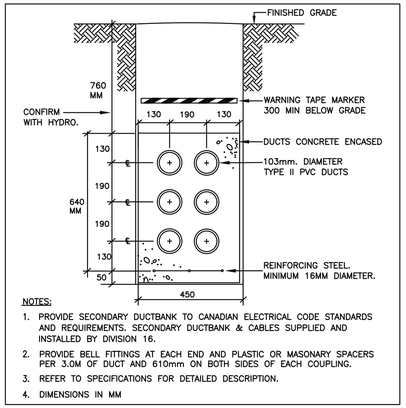
3 E101 DIRECT BURIED CONDUIT DETAIL

N.T.S.



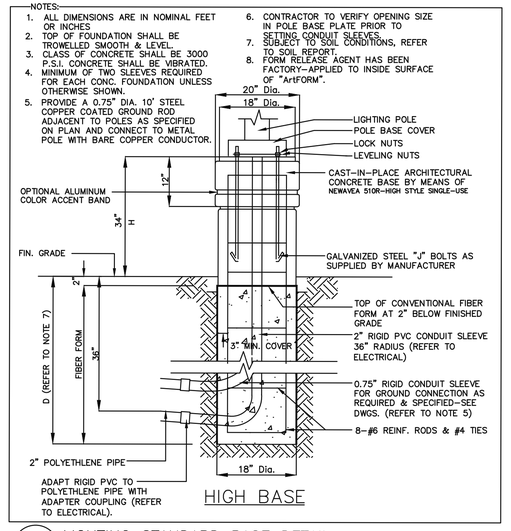
4 E101 TRANSFORMER GROUNDING DETAIL

N.T.S.



2 E101 6 PER PHASE DUCTBANK DETAIL

N.T.S.



5 E101 LIGHTING STANDARD BASE DETAIL

N.T.S.

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No. — DRAWING SHEET NUMBER

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ISSUED TO SPA	2	2024-12-16	G.S.
RE-ISSUED TO SPA	3	2025-05-06	G.S.

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L9T 4Z9, MILTON, Ontario
Tel: 647 945 8484 Fax: 905 216 0898
Email : elias@ejsengineering.ca
Website: www.ejsengineering.ca

BUILDING PERMIT NUMBER:

NOT FOR CONSTRUCTION WITHOUT PERMIT

PROJECT NORTH — TRUE NORTH

LICENSED PROFESSIONAL ENGINEER
2025-05-06
E. SHOMALI
100036483
PROVINCE OF ONTARIO

11-STOREY CONDOMINIUM

84-104 PLAINS ROAD EAST
BURLINGTON, ON

DRAWING SHEET TITLE:

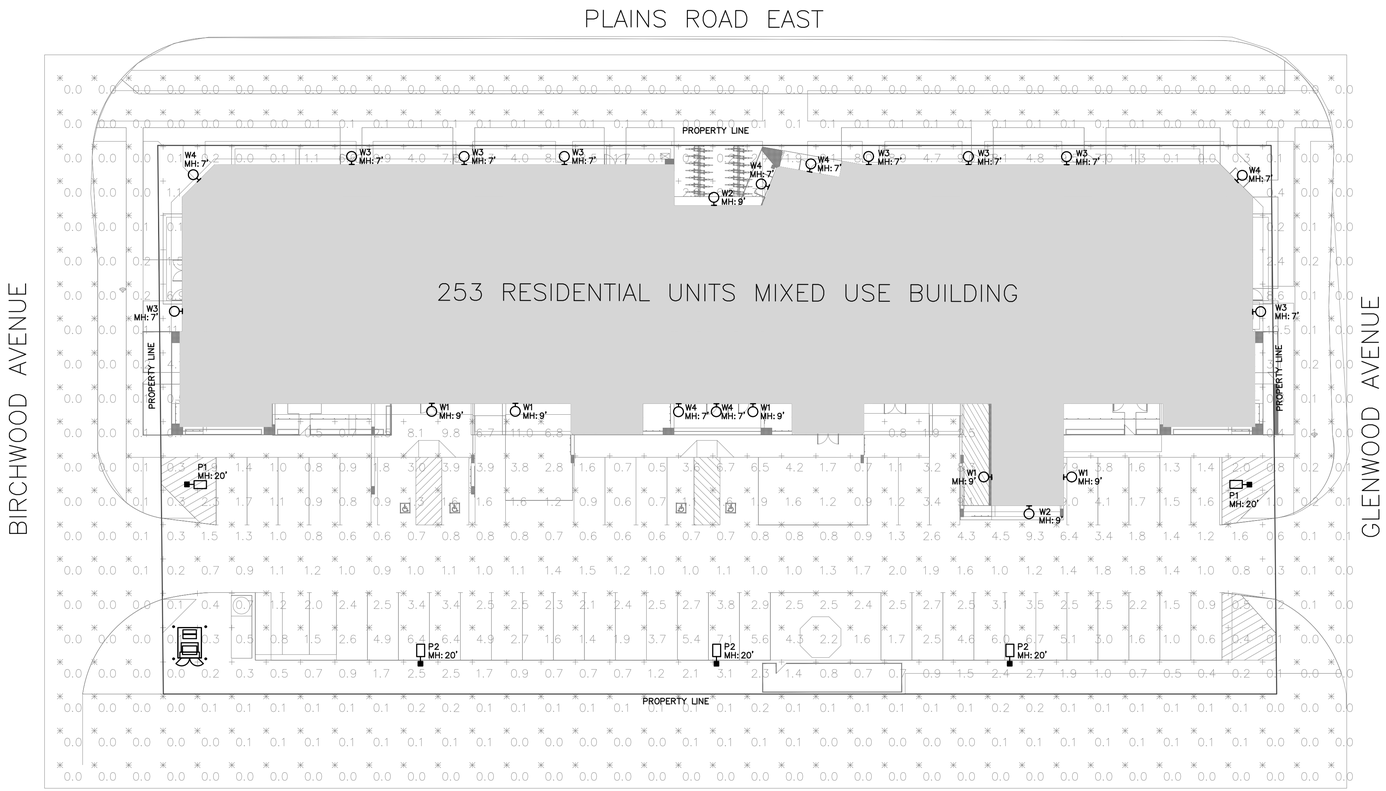
SITE PLAN
- ELECTRICAL LAYOUT

DRAWING SCALE:	PROJECT NUMBER:
AS NOTED	24163

DRAWN BY:	CHECKED BY:	DRAWING SHEET NUMBER:
N.P.	G.S.	E101

DRAWING VERSION:

PLOT DATE:



1 E102 SITE PLAN – PHOTOMETRICS
SCALE: 1:250

Schedule

Symbol	Label	QTY	Manufacturer	Catalog	LLF	Total Output	Input Power	BUG Rating
	P1	2	Lumecon	LDS-SAL-80-DB-T4-1-30--MAS-BL	0.9	3691	80	B1-U0-G1
	P2	3	Lumecon	LDS-SAL-110-DB-T3-1-30-MAS-BL	0.9	8936	110	B1-U0-G2
	W1	5	WISCONSIN LIGHTING LAB	NF-WCS-45-30-xx-4M	0.9	5929	43.7	B2-U0-G2
	W2	2	WISCONSIN LIGHTING LAB	NF-WCS-22-30-xx-2M	0.9	2896	22	B2-U0-G2
	W3	8	WISCONSIN LIGHTING LAB	NF-WCS-22-30-xx-1S	0.9	2896	22	B2-U0-G2
	W4	6	EIKO Global, LLC	CWSP3S/PS10/8CCT3/UNV/PC	1	787	9.988	B1-U1-G0

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
PARKING LOT	+	2.3 fc	11.0 fc	0.6 fc	18.3:1	3.8:1
SPILL	+	0.0 fc	0.2 fc	0.0 fc	N/A	N/A

1 FOOT CANDLE (FC) = 10.7639 LUX

ALL LUMINAIRE FIXTURES ARE FULL CUT OFF AND DARK SKY COMPLIANT PER CITY OF BURLINGTON STANDARDS.

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PROVINCE OF ONTARIO

11-STOREY CONDOMINIUM
84-104 PLAINS ROAD EAST
BURLINGTON, ON

DRAWING SHEET TITLE:
SITE PLAN
- PHOTOMETRICS

DRAWING SCALE: AS NOTED

PROJECT NUMBER: 24163

DRAWN BY: N.P.
CHECKED BY: G.S.

DRAWING VERSION:

PLOT DATE:

DRAWING SHEET NUMBER: E102

TYPE: W4

EIKO

WESTPORT Cylinder Wall Sconce
Cylinder Surface Mount

project name	type
catalog number	voltage
approved by	date

FEATURES
- Provides comfortable diffused light
- Switchable array to conveniently funnel light up, down or both up and down simultaneously (CWSP models only)
- Integrated photocell ON/OFF switch to easily disable photo control based on installation needs (CWSP & CWSW 6" models only)
- FieldSCCeT features provides multiple color temperature settings in one fixture

CERTIFICATIONS
- UL Listed for US & Canada
- RoHS Compliant
- FCC Compliant
- Dry Location Rated for Surface Mount
- Wet Location Rated for Wall Sconce
- ENERGY STAR® Approved for superior energy efficiency

PERFORMANCE
- Available in fixed wattage models: 30W and PowerSet models: power-selectable; 5/10W, 10/20W, 18/36W
- Available in FieldCCeT models: field-selectable CCT 3040/5000K
- CRI: >80, >90
- Beam angles, 50°/ 80° depending on size
- Rated lifetime L70 > 50,000 hours

ELECTRICAL
- Input voltage: 120-277V
- Surge protection: up to 2kV
- Power Factor: >0.9
- THD: <20%

THERMAL
- -22°F to 122°F (-30°C to 50°C) ambient operating temperature

CONSTRUCTION
- Aluminum construction
- Black or bronze finish

WARRANTY
- 5-Year limited warranty available online. Contact your EIKO sales rep for additional details.



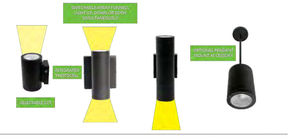
APPLICATIONS
- Residential
- Hospitality
- Multi Family
- Retail

KEY FEATURES

SWITCHABLE ARRAY
Switchable array to conveniently funnel light up, down or both up and down simultaneously (CWSP models only).

SELECTABLE CCT
Choose your CCT upon install. Great for SKU reduction and job site flexibility.

INTEGRATED PHOTOCELL
Easily disable photo control based on installation needs with ON/OFF switch (CWSP & CWSW 6" models only).



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Rev 07/2024

TYPE: P1,P2

Lumecon | DETROIT SERIES

LDS - SAL
LED Small Area Light



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

Description
The sleek fixture design of the LDS-SAL is a blend of modern sophistication and unmatched energy efficiency. The LDS-SAL small area light includes the benefits of superior thermal efficiency, an industry-leading ten-year all-parts 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 spec-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 chromate 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 fixture 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): 0.83 ft²

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/-40°C to 113°F/45°C.

Color Rendering Index (CRI): Minimum of 80 or higher. CRI 90+ available upon request. CRI 80+ 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 minimizing cost. Our arrays distribute light at least 21% further and with 29% more uniformity than leading competitors. Lumecon custom lenses create a uniform, well-lit environment that mitigates illuminance "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 20kA / 40kV random type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy, MSSLC Model Spec for surge protection. The device is wired in 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.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: ETL Listed to UL 1598, UL 8750 Wet Locations. *Full compliance and test documentation is available for TM-21 , LM-79, LM-80, ETL Listing to UL1598 and UL 8750.*Salt Fog tested for 3,000 hours per ASTM B117-16 / ASTM D610-08. Ingress Protection: IP66 per ANSI/IEC 60529-2004. Passed 3G vibration @ 100K cycles, per ANSI C136.31-2018.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

Dimulator Photo-Control: Maximize the cost-saving benefits of your outdoor LED light fixtures with the stand-alone Dimming solution. All Dimulators (except for CI3 and DIM-3 versions) have three selectable dimming levels (30%,50%, 70%) with three different start times (10:00 pm, Midnight, or 2:00 am), which are selectable through the ten position selector switch located on the bottom of the base. All dimming schedules will return to full brightness at 5:00 am. The stand-alone unit is made to work with the ANSI C136.41 receptacle and will provide dimming of LED fixtures.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IV, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

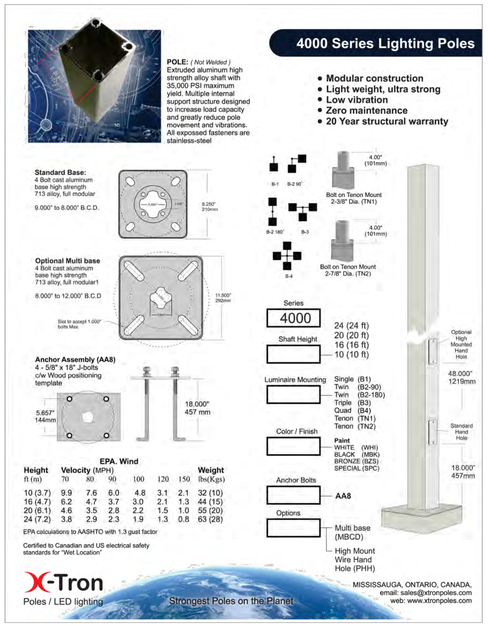
Warranty: 10 Year LTD performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

Email: sales@lumecon.com Website: www.lumecon.com Phone: 248-477-5009
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Lumecon reserves the right to modify these specifications at any time without notice.
Please see www.lumecon.com for current specifications and documentation. Sheet | LDS-SAL_20220622

TYPE: W1,W2,W3



LIGHT POLE



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2025-05-06
ELIAS SHOMALI
100036483
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BURLINGTON, ON

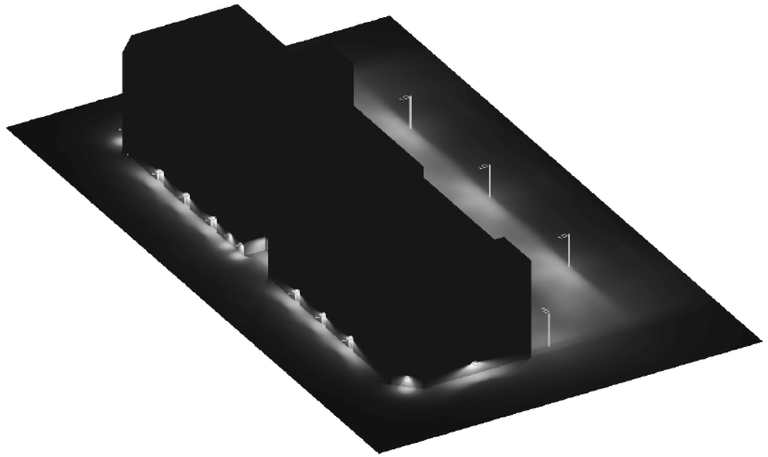
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EXTERIOR LUMINAIRE TYPES & CUTSHEETS

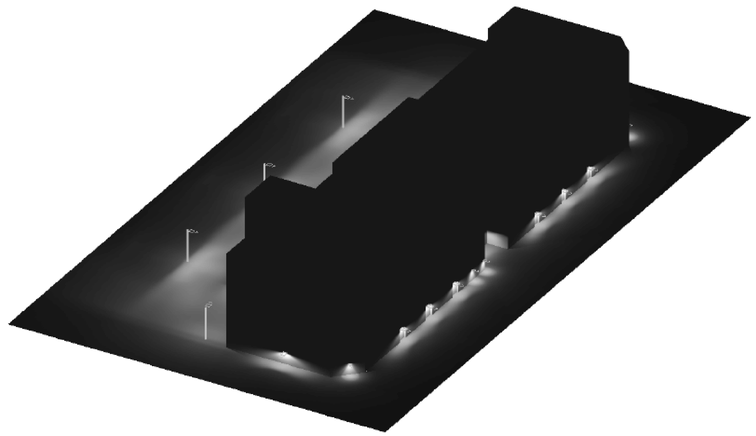
DRAWING SCALE:	PROJECT NUMBER:
AS NOTED	24163

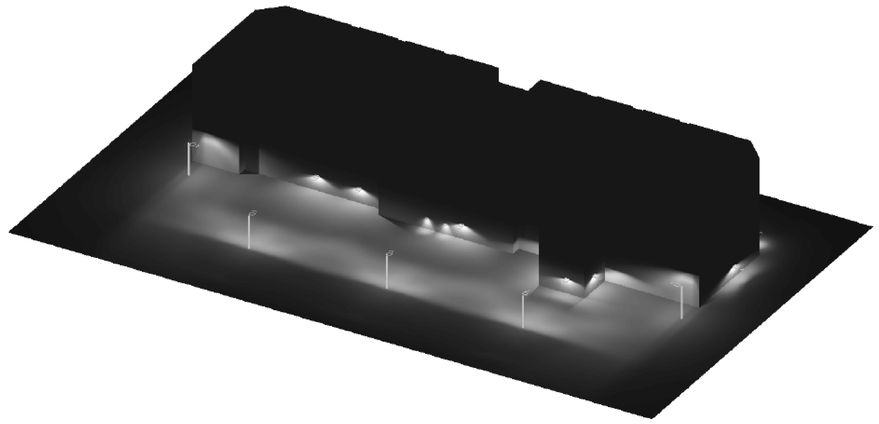
DRAWN BY:	CHECKED BY:	DRAWING SHEET NUMBER:
N.P.	G.S.	E103

DRAWING VERSION:
PLOT DATE:









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11-STOREY CONDOMINIUM

84-104 PLAINS ROAD EAST
BURLINGTON, ON

DRAWING SHEET TITLE:

SITE PLAN - LIGHT RENDERS

DRAWING SCALE:	PROJECT NUMBER:
AS NOTED	24163

DRAWN BY:	CHECKED BY:	DRAWING SHEET NUMBER:
N.P.	G.S.	E104
DRAWING VERSION:		
PLOT DATE:		