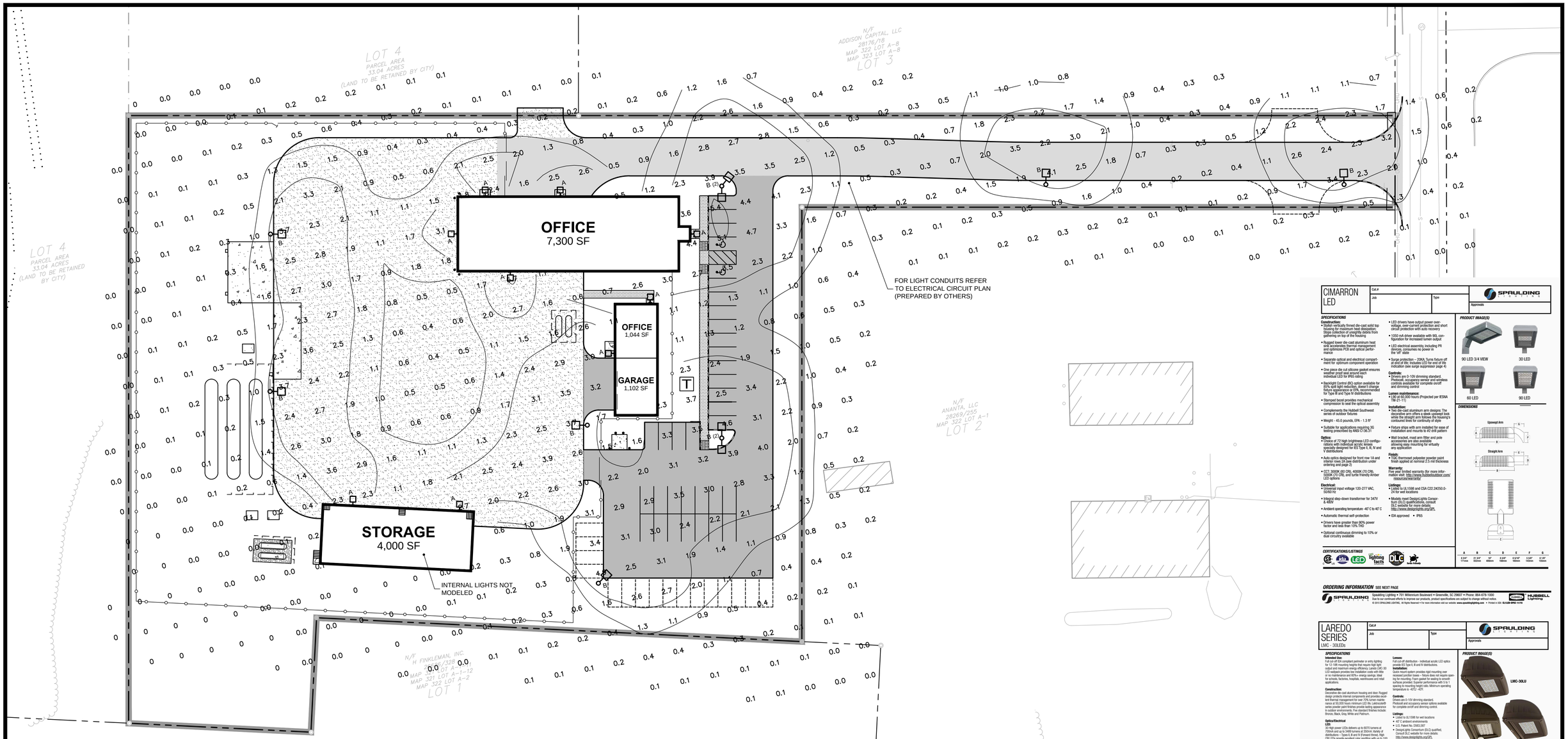

CITY OF PORTLAND LIGHTING STANDARDS INDUSTRIAL ZONE		
DESCRIPTION	REQUIRED	PROVIDED
MINIMUM FOOTCANDLES	0.2	0.2
MAXIMUM POLE HEIGHT	30' IN INDUSTRIAL ZONE	30'-0"
LIGHT LEVELS AT PROPERTY LINES	<0.1 EXCEPT AT INDUSTRIAL OR NON-SENSITIVE BOUNDARIES	N/A - INDUSTRIAL PROPERTIES

GENERAL PHOTOMETRIC SCHEDULE	
AVERAGE FOOTCANDLES	1.07
MAXIMUM FOOTCANDLES	5.7
MINIMUM FOOTCANDLES	0.0
MINIMUM TO MAXIMUM FC RATIO	0.00
MAXIMUM TO MINIMUM FC RATIO	3240.28
AVERAGE TO MINIMUM FC RATIO	607.86

LUMINAIRE SCHEDULE				
LABEL	QTY.	DESCRIPTION	MFG. #	MOUNTING HEIGHT
A	9	LAREDO SERIES WALL MOUNTED LMC - 30LEDs, SPAULDING LIGHTING	LMC-30LU-4K-4	13'-15'
B	10	CIMARRON POLE MOUNTED LED LIGHT, SPAULDING LIGHTING	CL1-A-90L-1-5K-4-105	30'

NOTES:

1. PHOTOMETRIC DATA GENERATED USING DESIGN MASTER SOFTWARE
2. GRID SPACING = 20' X 20'
3. LIGHT LOSS FACTOR - LED: 0.90
4. ELECTRICAL ENGINEER TO VERIFY VOLTAGE PRIOR TO ORDERING

NORTH

GRAPHIC SCALE

30 0 15 30 60

(IN FEET)
1 inch = 30 ft.

CIMARRON LED	Cat.#	Job	Type	SPAULDING LIGHTING
				Approvals

SPECIFICATIONS

Construction:
- Stylish vertically finned die-cast solid top housing with integrated heat dissipation. Slope collection of unsightly debris from gathering on top of the housing
- Rugged lower die-cast aluminum heat sink housing for optimum thermal performance and optimizes PCB and optical performance
- Separate optical and electrical compartment for optimum component operation
- One piece die cut silicone gasket ensures optimal sealing between each individual LED for IP65 rating
- Backlight Control (BC) option available for 85% spill light reduction, doesn't change fixture appearance or EPA, recommended for Type III and Type IV distributions
- Stamped bezel provides mechanical compression to seal the optical assembly
- Complements the Hubbell Southwest series of outdoor fixtures
- Weight: - 40.0 pounds, EPA - 1.3 ft²
- Suitable for applications requiring 3G testing prescribed by ANSI C136.31

Optics:
- Choice of 72 high brightness LED configurations with individual optics, specifically designed for IES Type II, III, IV and V distributions
- Auto optics designed for front row 1A and interior rows 2A (see distribution under ordering and page 2)
- CCT- 3000K (80 CRI), 4000K (70 CRI), 5000K (70 CRI), and turtle friendly Amber LED options

Electrical:
- Universal input voltage 120-277 VAC, 50/60 Hz
- Integral step-down transformer for 347V & 480V
- Ambient operating temperature -40° C to 40° C
- Automatic thermal self-protection
- Drivers have greater than 90% power factor and less than 10% THD
- Optional continuous dimming to 10% or dual circuitry available
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- 1050 mA driver available with 90L configuration for increased lumen output
- LED electrical assembly, including PR devices, consumes no power in the 'off' state
- Surge protection – 20kA; Turns fixture off at end of life; Includes LED for end of life indication (see surge suppressor page 4)

Controls:
- Drivers are 0-10V dimming standard. Photocell, occupancy sensor and wireless controls available for complete on/off and dimming control

Lumen maintenance:
- L90 at 60,000 hours (Projected per IESNA TM-21-11)

Installation:
- Two die-cast aluminum arm designs: The decorative arm offers a sleek contoured look and the straight arm offers the traditional contoured lines for continuity of style
- Fixture ships with arm installed for ease of installation and mounts to #2 drill pattern
- Wall bracket, mast arm fitter and pole accessories are also available. Universal arm mounting for virtually any application

Finish:
- TGIC thermoset polyester powder paint finish applied at nominal 2.5 mil thickness

Warranty:
- 10 year limited warranty (for more information visit: http://www.hubbelloutdoor.com/resources/warranty/

Listings:
- Listed to UL1598 and CSA C22.2#250.0-04 for wet locations
- Models meet Designlights Consortium (DLC) qualifications, consult DLC website for more details: http://www.designlights.org/QPL

- IDA approved • IP65

PRODUCT IMAGE(S)

DIMENSIONS

CERTIFICATIONS/LISTINGS

ORDERING INFORMATION SEE NEXT PAGE

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HUBBELL Lighting

LAREDO SERIES LMC - 30LEDs	Cat.#	Job	Type	SPAULDING LIGHTING
				Approvals

SPECIFICATIONS

Intended Use:
Full cut-off IDA compliant perimeter or entry lighting for 12-15ft mounting heights that require high light output and maximum energy efficiency. Laredo LMC-30 LED wallpack provides low installation costs with little or no maintenance and offers energy savings. Ideal for schools, factories, hospitals, warehouses and retail applications.

Construction:
Innovative die-cast aluminum housing and door. Rugged design protects internal components and provides excellent thermal management for over 70% lumen maintenance. Door is secured with two captive stainless steel screws and door latches provide a lasting appearance in outdoor environments. Standard finishes include Bronze, Black, Gray, White and Platinum.

Optics/Electrical
LED:
30 High power LEDs delivers up to 6070 lumens at 7000mA and up to 3480 lumens at 350mA. Variety of distributions – Types II, III and IV (Forward throw). High efficiency, cool operating, outdoor rendition with up to 100 lumens per watt efficiency

- CCT- 3000K 67 CRI, 4000K 70 CRI, 5000K 80 CRI
- Electronic driver 7 for system (2 drivers, 2 circuits), 120-277V and 347V and 480V, 50/60Hz, 0.3 amps max, 120-277V and 347V and 480V,50/60Hz
- Surge protection – 20kA; Turns fixture off at end of life; Includes LED for end of life indication (see surge suppressor page 2)

Lumen:
Full cut-off distribution - individual acrylic LED optics provide IES Type II, III and IV distributions.

Installation:
Quick mount system provides rapid mounting over existing conduit and junction box. Gasket for weather sealing for the mounting. Foam gasket for sealing to smooth surfaces provided. Superior performance with 5 to 1 spacing to mounting height ratio. Minimum operating temperature is -40°C/ -40°F.

Controls:
Drivers are 0-10V dimming standard. Photocell and occupancy sensor options available for complete on/off and dimming control.

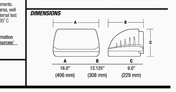
Listings:
- Listed to UL1598 for wet locations
- 40° C ambient environments
- U.S. Patent No. D563,587
- Designlights Consortium (DLC) qualified. Consult DLC website for more details: http://www.designlights.org/QPL

LMC-30LU Egress Wallpack:
- Meets IDA Full Cut-Off and Egress minimum requirements. At 12ft mounting height 1fc covers 15x100 area, well beyond the 10x100 standard. No uplight, external test bullets: 120V or 277V only. Rated -30° C to 30° C

Warranty:
Five year limited warranty (for more information visit: http://www.hubbelloutdoor.com/resources/warranty/

PRODUCT IMAGE(S)

DIMENSIONS



ORDERING INFORMATION
ORDERING EXAMPLE: LMC-30LU-5K-3-1-PC(4)

LMC	-	-	-	-	-	-	-
SERIES	NUMBER OF LEDS/SOURCE/VOLTAGE	CCT	M3 DISTRIBUTION	DRIVE CURRENT	FINISH	OPTIONS
LMC Laredo Medium Cut-off	30LU 30 LEDs, Universal voltage 120-277V 30L1 30 LEDs, 120V 30L2 30 LEDs, 208V 30L3 30 LEDs, 240V 30L4 30 LEDs, 277V 30L7 30 LEDs, 347V 30L5 30 LEDs, 480V	3K 3000K nominal 4K 4000K nominal 5K 5000K nominal	2 Type II 3 Type III 4 Type IV (Forward throw)	BLANK STD 700MA 035 350MA	1 Bronze 2 Black 3 Gray 4 White 5 Platinum	BBU[2] Integral battery for 120 or 277 volt operation (not available in 350mA (035) drive current) only PC[1] Button photocontrol, replace # with voltage, specify 1=120L 2-208L 3=240L 4-277V P 3-240V, specify voltage per battery SCP[2] Programmable motion control, factory default is 10% light output

SCP OPTIONS

1 - PCS and P Replace # with 1=120V, 2-208V, 3-240V, 4-277V.
2 - Must order instead of and NOT WITH SCP. In program dimming settings, 0-10V fully adjustable dimming with automatic daylight adaptation and different time ramp settings. 120V-277V only.

SPAULDING LIGHTING

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HUBBELL Lighting

REV	DATE	DESCRIPTION
1	02.29.16	FINAL SITE AND SUBDIVISION PLANS SUBMITTED TO CITY

REVISIONS

STATE OF MAINE
BO KENNEDY
No. 11994
LICENSED
PROFESSIONAL ENGINEER

P.E. 03/04/2016

LIC. # 11994

PROJECT
SUBURBAN PROPANE RELOCATION

SHEET TITLE
PHOTOMETRICS PLAN

CLIENT
THOMPSON'S POINT DEVELOPMENT CO. INC.

STANTEC CONSULTING SERVICES INC.
778 MAIN ST, SUITE 8
SOUTH PORTLAND, ME 04106
WWW.STANTEC.COM
Stantec

DRAWN:	ARF	DATE:	JAN 2016
DESIGNED:	ARF	SCALE:	1" = 30'
CHECKED:	BEK	JOB NO.	195350142
FILE NAME:	SP-M157 PHOTOMETRICS PLAN		
SHEET	P-1.0		

P:\ME\SP-M157-Suburban Propane Relocation\Cadd\Permit Set\dwg\Photometrics\SP-M157 Photometrics Plan.dwg davis_d 2/29/2016 10:26 AM