ALED3T50

RAB LIGHTING

Specification grade area lights available in IES Type III distributions. For use for roadway, general parking and other area lighting applications where a larger pool of lighting is required. Mounts to 4" square steel poles at 20-35'. Patent pending thermal management system. 5 Year Warranty.

Color: Bronze | Weight: 32.0 lbs

Project: Edgewater	**Type:** L
Prepared By: Patrick Carbone	**Date:** 02/27/2017

Driver Info

Type:	Constant Current
120V:	0.46A
208V:	0.27A
240V:	0.23A
277V:	0.20A
Input Watts:	52W
Efficiency:	97%

LED Info

Watts:	50W
Color Temp:	5000K
Color Accuracy:	67 CRI
L70 Lifespan:	100000
Lumens:	4,846
Efficacy:	94 LPW

Technical Specifications

Listings

UL Listing:
Suitable for wet locations as a downlight.

IESNA LM-79 & IESNA LM-80 Testing:
RAB LED fixtures have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have received the Department of Energy "Lighting Facts" label.

Dark Sky Approved:
The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

DLC Listed:
This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.
DLC Product Code: P000017I8V

LED Characteristics

Lifespan:
100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

LEDs:
Multi-chip, high-output, long-life LEDs

Color Consistency:
7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Color Stability:
LED color temperature is warranted to shift no more than 200K in CCT over a 5 year period.

Color Uniformity:
RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2015.

Construction

IES Classification:
The Type III distribution is ideal for roadway, general parking and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

IP Rating:
Ingress Protection rating of IP66 for dust and water

Ambient Temperature:
Suitable for use in 40°C ambient temperatures.

Cold Weather Starting:
The minimum starting temperature is -40°C/-40°F

Thermal Management:
Superior thermal management design with external Air-Flow fins provides maximum operational life, even in high ambient temperature environments.

Effective Projected Area:
EPA = 0.75

Housing:
Die cast aluminum housing, lens frame and mounting arm.

Mounting:
Heavy-duty mounting arm with "O" ring seal & stainless steel screws.

Reflector:
Specular vacuum-metallized polycarbonate

Gaskets:
High temperature silicone gaskets

Finish:
Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

Green Technology:
Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

Electrical

Driver:
Constant Current, Class 2, 1400mA, 100-277V, 50-60Hz, 0.8A, Power Factor 98%

THD:
7.0% at 120V, 7.4% at 277V

Surge Protection:
6kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2.

Other

California Title 24:
See ALED3T50/PC, ALED3T50/PCS or ALED3T50/PCT for a 2013 California Title 24 compliant model.

Patents:
The ALED™ design is protected by patents pending in the U.S., Canada, China, Taiwan and Mexico.

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ALED3T50

RAB LIGHTING

Technical Specifications (continued)

Other

Warranty:
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

Country of Origin:
Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

Buy American Act Compliant:
This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

Recovery Act (ARRA) Compliant:
This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods– Buy American Act– Construction Materials (October 2010).

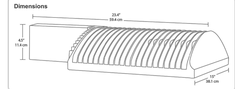
GSA Schedule:
Suitable in accordance with FAR Subpart 25.4.

Equivalency:
Replaces 200W Metal Halide.

Optical

BUG Rating:
B1 U0 G2

Dimensions



Features

66% energy cost savings vs. HID

100,000-hour LED lifespan

Type III distribution

5-year warranty

Ordering Matrix

Family	Distribution	Watts	Mount	Color Temp	Finish	Voltage	Photocell	Dimming	Sensor	Bi-Level
ALED	2T = Type II 3T = Type III 4T = Type IV	50 = 50W	Blank = Arm SF = Slipfitter	Blank = 5000K (Cool) Y = 3000K (Warm) N = 4000K (Neutral)	Blank = Bronze W = White RG = Gray	Blank = 120-277V /480 = 480V	Blank = No Photocell /PC = 120V Button /PC2 = 277V Button /PCS = 120V Swivel /PCS2 = 277V Swivel /PCT = 120-277V Twistlock /PCS4 = 480V Swivel /PCT4 = 480V Twistlock	Blank = No Dimming /D10 = Dimmable	/WS2 = Multi-Level Motion Sensor (Only available for 120-277V with D10 for 50W)	Blank = No Bi-Level /BL = Bi-Level

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ALED4T50

RAB LIGHTING

Specification grade area lights available in IES Type IV distributions. Suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. Mounts to 4" square steel poles at 20-35'. Patent pending management system. 5 Year Warranty.

Color: Bronze | Weight: 32.0 lbs

Project: Edgewater	**Type:** M
Prepared By: Patrick Carbone	**Date:** 02/27/2017

Driver Info

Type:	Constant Current
120V:	0.46A
208V:	0.27A
240V:	0.23A
277V:	0.20A
Input Watts:	52W
Efficiency:	96%

LED Info

Watts:	50W
Color Temp:	5000K
Color Accuracy:	67 CRI
L70 Lifespan:	100000
Lumens:	5,196
Efficacy:	100 LPW

Technical Specifications

Listings

UL Listing:
Suitable for wet locations as a downlight.

IESNA LM-79 & IESNA LM-80 Testing:
RAB LED fixtures have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have received the Department of Energy "Lighting Facts" label.

Dark Sky Approved:
The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

DLC Listed:
This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.
DLC Product Code: P000017I8Y

LED Characteristics

Lifespan:
100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

LEDs:
Multi-chip, high-output, long-life LEDs

Color Consistency:
7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Color Stability:
LED color temperature is warranted to shift no more than 200K in CCT over a 5 year period.

Color Uniformity:
RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2015.

Construction

IES Classification:
The Type IV distribution (also known as a Forward Throw) is especially suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. It produces a semi/Circular distribution with essentially the same candlepower at lateral angles from 90° to 270°.

Effective Projected Area:
EPA = 0.75

IP Rating:
Ingress Protection rating of IP66 for dust and water

Ambient Temperature:
Suitable for use in 40°C ambient temperatures.

Cold Weather Starting:
The minimum starting temperature is -40°C/-40°F

Thermal Management:
Superior thermal management design with external Air-Flow fins provides maximum operational life, even in high ambient temperature environments.

Housing:
Die cast aluminum housing, lens frame and mounting arm.

Mounting:
Heavy-duty mounting arm with "O" ring seal & stainless steel screws.

Reflector:
Specular vacuum-metallized polycarbonate

Gaskets:
High temperature silicone gaskets

Finish:
Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

Green Technology:
Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

Electrical

Driver:
Constant Current, Class 2, 1400mA, 100-277V, 50-60Hz, 0.8A, Power Factor 99%

THD:
6.9% at 120V, 7.8% at 277V

Surge Protection:
6kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2.

Other

California Title 24:
See ALED4T50/PC, ALED3T50/PCS or ALED3T50/PCT for a 2013 California Title 24 compliant model.

Patents:
The ALED™ design is protected by patents pending in the U.S., Canada, China, Taiwan and Mexico.

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ALED4T50

RAB LIGHTING

Technical Specifications (continued)

Other

Warranty:
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

Country of Origin:
Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

Buy American Act Compliant:
This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

Recovery Act (ARRA) Compliant:
This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods– Buy American Act– Construction Materials (October 2010).

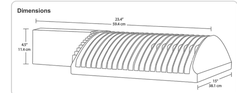
GSA Schedule:
Suitable in accordance with FAR Subpart 25.4.

Equivalency:
Replaces 200W Metal Halide.

Optical

BUG Rating:
B0 U0 G2

Dimensions



Features

66% energy cost savings vs. HID

100,000-hour LED lifespan

Type IV distribution

5-year warranty

Ordering Matrix

Family	Distribution	Watts	Mount	Color Temp	Finish	Voltage	Photocell	Dimming	Sensor	Bi-Level
ALED	2T = Type II 3T = Type III 4T = Type IV	50 = 50W	Blank = Arm SF = Slipfitter	Blank = 5000K (Cool) Y = 3000K (Warm) N = 4000K (Neutral)	Blank = Bronze W = White RG = Gray	Blank = 120-277V /480 = 480V	Blank = No Photocell /PC = 120V Button /PC2 = 277V Button /PCS = 120V Swivel /PCS2 = 277V Swivel /PCT = 120-277V Twistlock /PCS4 = 480V Swivel /PCT4 = 480V Twistlock	Blank = No Dimming /D10 = Dimmable	/WS2 = Multi-Level Motion Sensor (Only available for 120-277V with D10 for 50W)	Blank = No Bi-Level /BL = Bi-Level

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PS4-11-20D2

RAB LIGHTING

Square steel poles drilled for 2 Area Lights at 180°. Designed for ground mounting. Poles are stocked nationwide for quick shipment. Protective packaging ensures poles arrive at the job site good as new.

Color: Bronze | Weight: 137.0 lbs

Project:	**Type:**
Prepared By:	**Date:**

Lamp Info

Type:	N/A
Watts:	0W
Shape/Size:	N/A
Base:	N/A
ANSI:	N/A
Hours:	N/A
Lamp Lumens:	N/A
Efficacy:	N/A

Ballast Info

Type:	N/A
120V:	N/A
208V:	N/A
240V:	N/A
277V:	N/A
Input Watts:	0W

Technical Specifications

Listings

CSA Listed:
Suitable for wet locations.

Construction

Shaft:
46,000 p.s.i. minimum yield.

Hand Holes:
Reinforced with grounding lug and removable cover.

Base Plates:
Slotted base plates 36,000 p.s.i.

Shipping Protection:
All poles are shipped in individual corrugated cartons to prevent finish damage.

Color:
Bronze powder coating.

Height:
20 FT.

Weight:
137 lbs.

Gauge:
11

Wall Thickness:
.118".

Shaft Size:
4".

Hand Hole Dimensions:
3" x 5".

Bolt Circle:
8 1/2".

Base Dimension:
8".

Anchor Bolt:
Galvanized anchor bolts and galvanized hardware and anchor bolt template. All bolts have a 3" hook.

Anchor Bolt Templates:
WARNING Template must be printed on 11" x 17" sheet for actual size. CHECK SCALE BEFORE USING. Templates shipped with anchor bolts and available .

Pre-Shipped Anchor Bolts:
Bolts can be pre-shipped upon request for additional freight charge.

Max/EPAs/Max Weights:
70MPH 0.8 ft_(240 lb
80MPH 0.8 ft_(165 lb
90MPH 3.6 ft_(110 lb
100MPH 2.2 ft_(75 lb
110MPH 1.0 ft_(45 lb
120MPH 0.2 ft_(20 lb.

Other

Terms of Sale:
Pole Terms of Sale is available .

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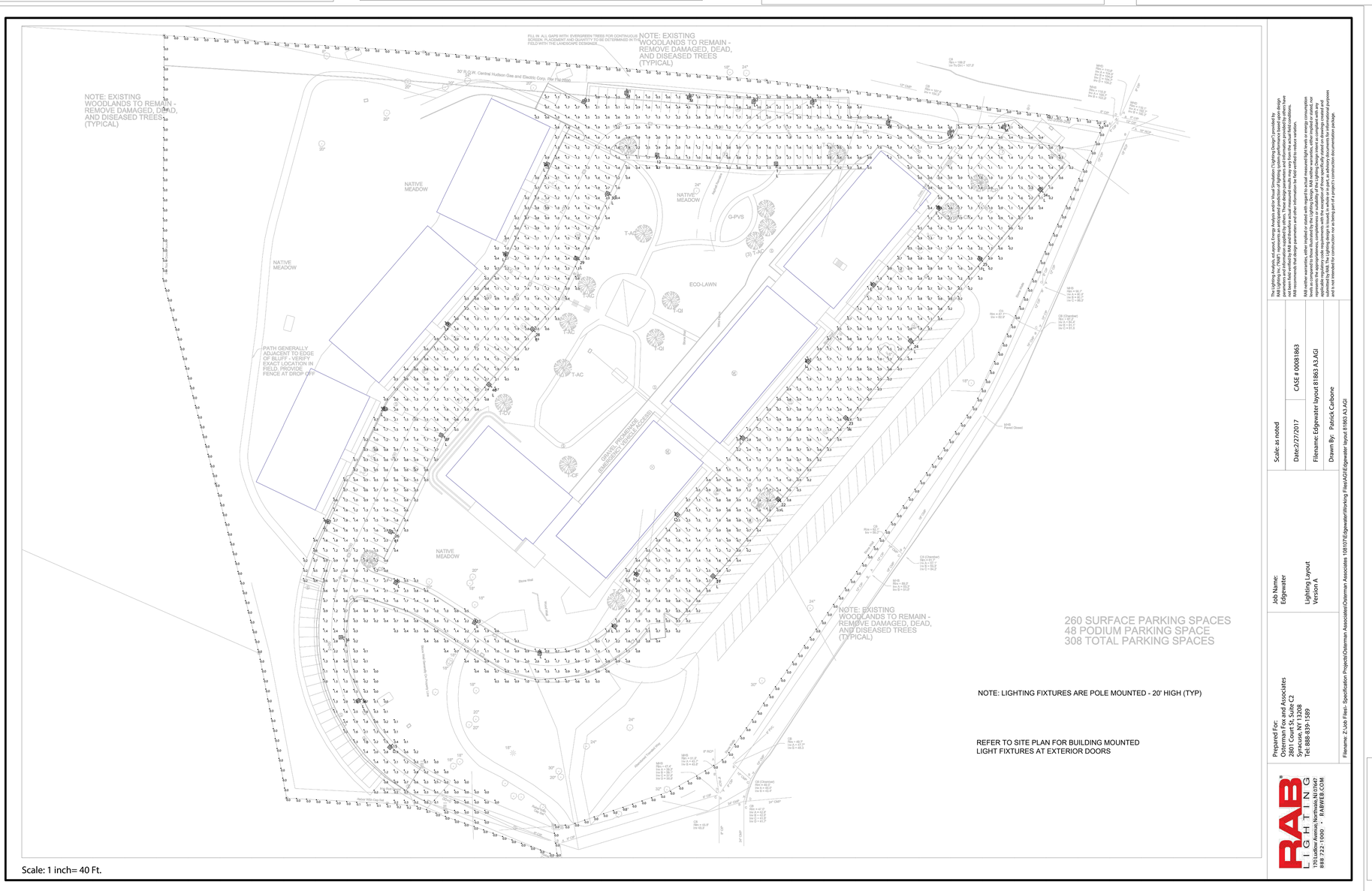


Scale: as noted
Date:2/27/2017 CASE # 00081863
Filename: Edgewater layout 81863 A3.AGI
Drawn By: Patrick Carbone

Job Name: Edgewater
Lighting Layout Version A

Prepared For:
Osterman Fox and Associates
2800 Erie Blvd. East, Suite 102
Syracuse, NY 13208
Tel: 888-839-1589

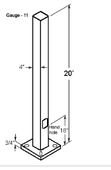
RAB LIGHTING
1770 Ludlow Avenue, Northvale, NJ 07647
888-727-1000 | RABWEB.COM

Filename: Z:\Job Files_Specification Projects\Osterman Associates\Osterman Associates 198107\Edgewater\Working Files\AGI\Edgewater layout 81863 A3.AGI

PS4-11-20D2

RAB LIGHTING

Dimensions



Features

Designed for ground mounting

Heavy duty TGIC polyester coating

Reinforced hand holes with grounding lug and removable cover for easy wiring access

Anchor Bolt Kit includes pole cap and base cover (sold separately)

Custom manufactured for each application

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BL1: Wall Mounted

HUBBARDTON FORGE "HOOD" OUTDOOR DARK SKY COMPLIANT WALL SCONCE #306563. 15" HIGH X 6 $\frac{3}{4}$" WIDE. BURNISHED STEEL FINISH. 60 W INCANDESCENT LAMP

PL1: Pathway Light

JOHN TIMBERLAND THREE-TIER PAGODA LOW VOLT BRONZE 4 WATT LED LANDSCAPE PATH LIGHT - STYLE # 2C488 (OR APPROVED EQUAL)

NOTE: THE MANUFACTURERS DO NOT PROVIDE PHOTOMETRIC INFORMATION FOR THESE FIXTURES. FIXTURES ARE SHIELDED TO AVOID LIGHT SPILLAGE ONTO ADJACENT PROPERTIES, AND TO SHIELD FROM LIGHT PROJECTING UPWARD TO THE SKY

Lighting

Not to Scale

NOTE: ALL EXTERIOR LIGHTING ON THE SITE SHALL BE DIRECTED AND/OR SHIELDED SO AS NOT TO CAUSE ANY OBJECTIONABLE GLARE OBSERVABLE FROM NEIGHBORING STREETS AND PROPERTIES. THE SOURCE (BULBS) OF SUCH LIGHTING SHALL NOT BE VISIBLE FROM SAID NEIGHBORING STREETS AND PROPERTIES. PHOTOMETRIC DIAGRAMS ARE SHOWN WITH SHIELDED CONDITIONS.

APPROVED BY RESOLUTION OF THE PLANNING BOARD OF THE CITY OF BEACON, NEW YORK, ON THE

_____ DAY OF _____, 20_____ SUBJECT TO ALL REQUIREMENTS AND CONDITIONS OF SAID RESOLUTION. ANY CHANGE, ERASURE, MODIFICATION OR REVISION OF THIS PLAT, AS APPROVED, SHALL VOID THIS APPROVAL.

SIGNED THIS _____ DAY OF _____, 20____, BY

_____ CHAIRMAN

_____ SECRETARY

IN ABSENCE OF THE CHAIRMAN OR SECRETARY, THE ACTING CHAIRMAN OR ACTING SECRETARY RESPECTIVELY MAY SIGN IN THIS PLACE.

REVISIONS:

NO.	DATE	DESCRIPTION	BY
1	02/28/17	REVISE PER PLANNING BOARD COMMENTS	AJS
2	03/28/17	REVISE PER PLANNING BOARD COMMENTS	AJS
3	04/25/17	REVISE PER PLANNING BOARD COMMENTS	AJS
4	05/30/17	NO CHANGE	AJS

Site Lighting Plan

Sheet 4 of 15

Owner:
Scenic Beacon Developments, LLC
25 East Main Street
Beacon, NY 12508

Architect:
Aryeh Siegel, Architect
514 Main Street
Beacon, New York 12508

Site / Civil Engineer:
Hudson Land Design
174 Main Street
Beacon, New York 12508

Surveyor:
TEC Land Surveying, P.C.
15C Tioronda Avenue
Beacon, New York 12508

Landscape Designer:
Landscape Restorations
P.O. Box 286
Beacon, New York 12508

Edgewater
Beacon, New York
Scale: 1" = 40'
January 31, 2017