

Scale: 1 inch= 10 Ft.

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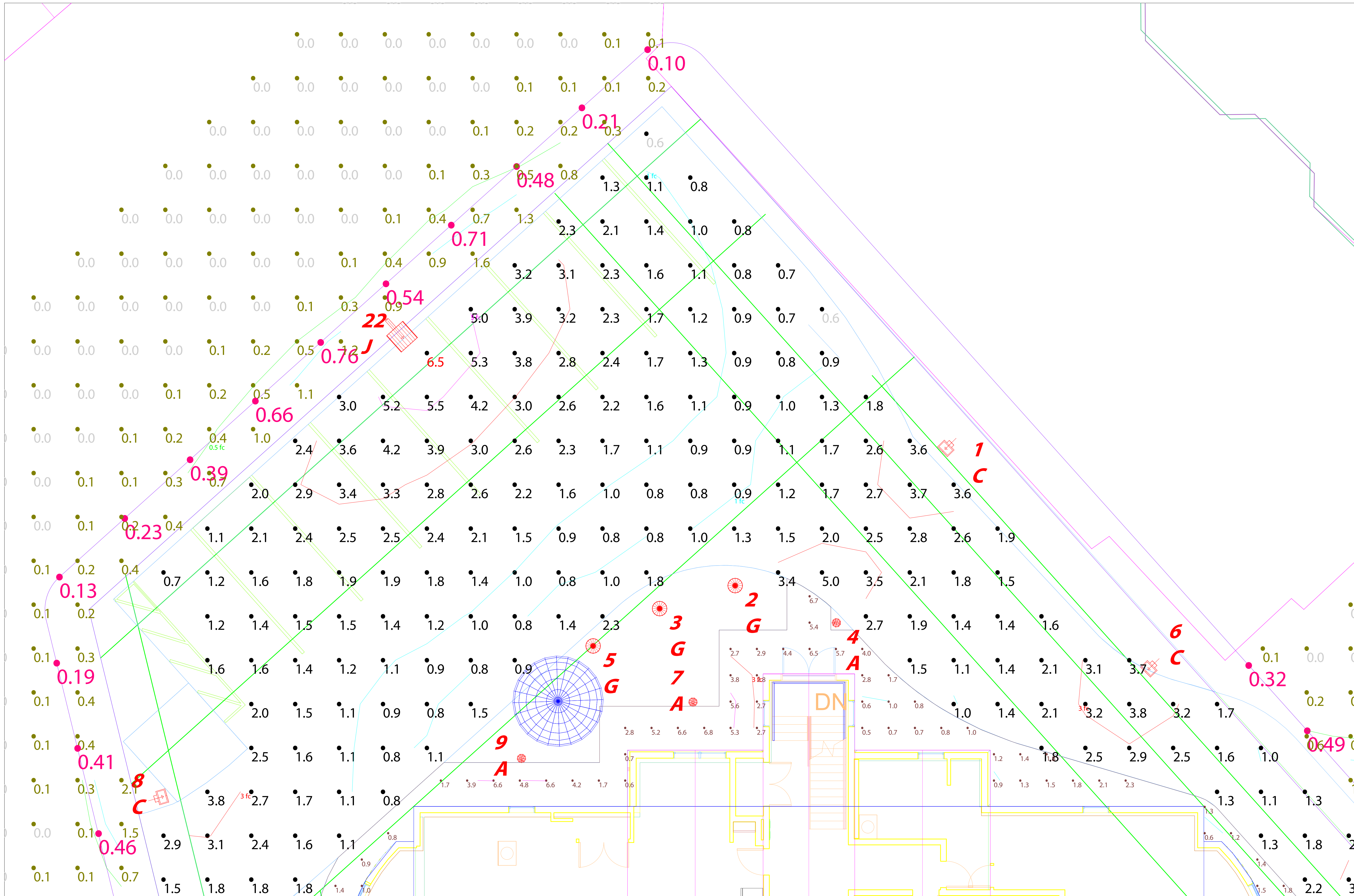
| | |
|-----------------------------|---|
| Scale: as noted | Case # 00086548 |
| Date: 9/24/2018 | Filename: Herrick Road Condo Layout 00086548.CAGI |
| Drawn By: Hasan Sanli / DCA | |

| |
|---------------------------------|
| Job Name: Herrick Road Condo |
| Lighting Layout Version C |

Prepared For:
Holbrook Associated
35 Reservoir Park Drive
Rockland, MA 02370
Tel: 888-839-1578

RAB
LIGHTING
170 Ludlow Avenue, Northvale, NJ 07647
888-722-1000 • RABWEB.COM

Filename: \\RAB-STORAGE-1\Lighting Design\Job Files-Specification Projects\Holbrook Associated\101064\Herrick Road Condo\Working Files\AGI\Herrick Road Condo Layout 00086548.CAGI



Offsite Calc Pts 5' offset Horizontal
Scale: 1 inch= 5 Ft.

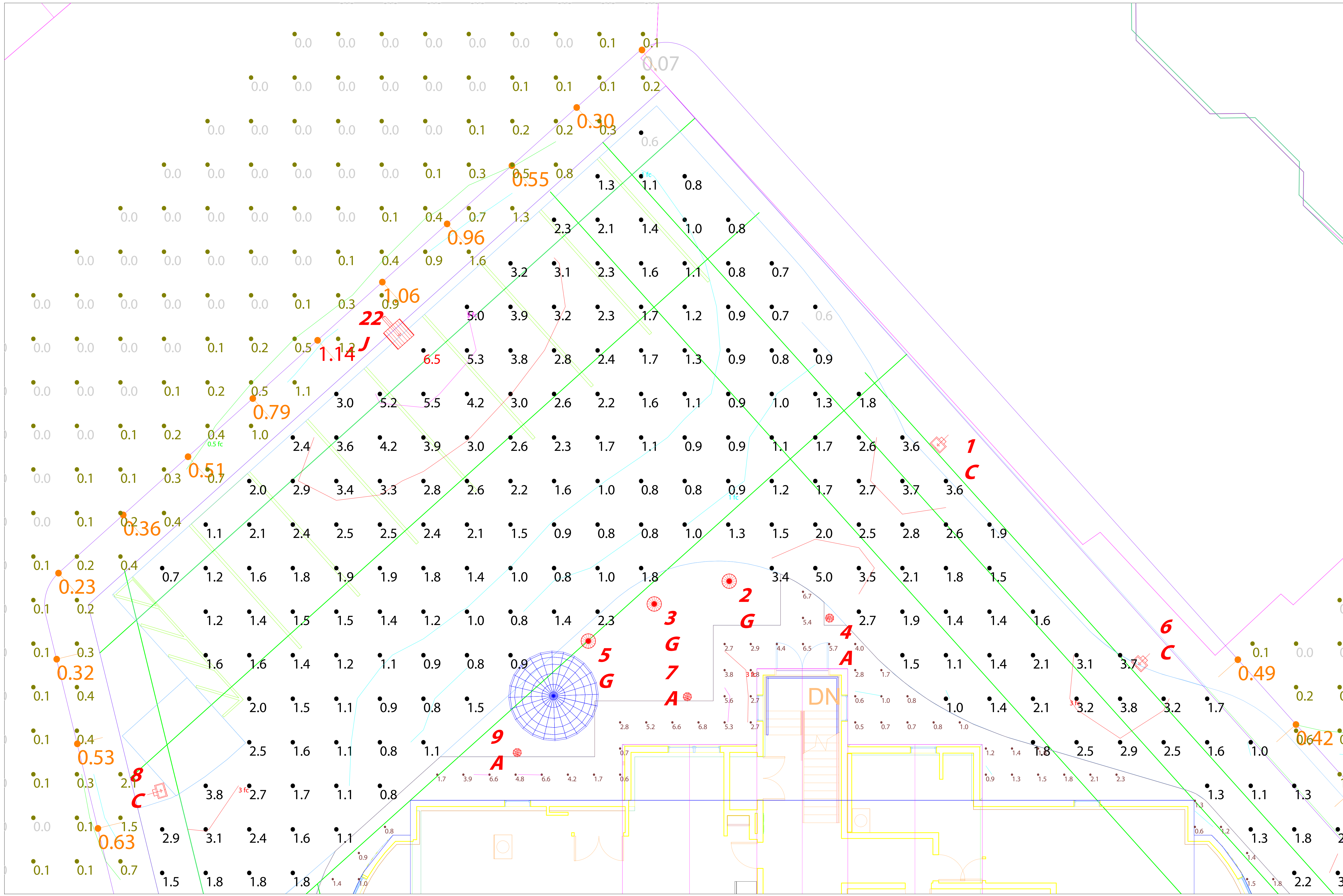
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| Lighting Layout Version C | Drawn By: Hasan Sanli / DCA | |

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Holbrook Associated
35 Reservoir Park Drive
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Filename: \\RAB-STORAGE-1\Lighting Design\Job Files-Specification Projects\Holbrook Associated\10\064\Herrick Road Condo\Working Files\AGI\Herrick Road Condo Layout 00086548C.AGI

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Offsite Calc Pts 5' offset Vertical
Scale: 1 inch= 5 Ft.

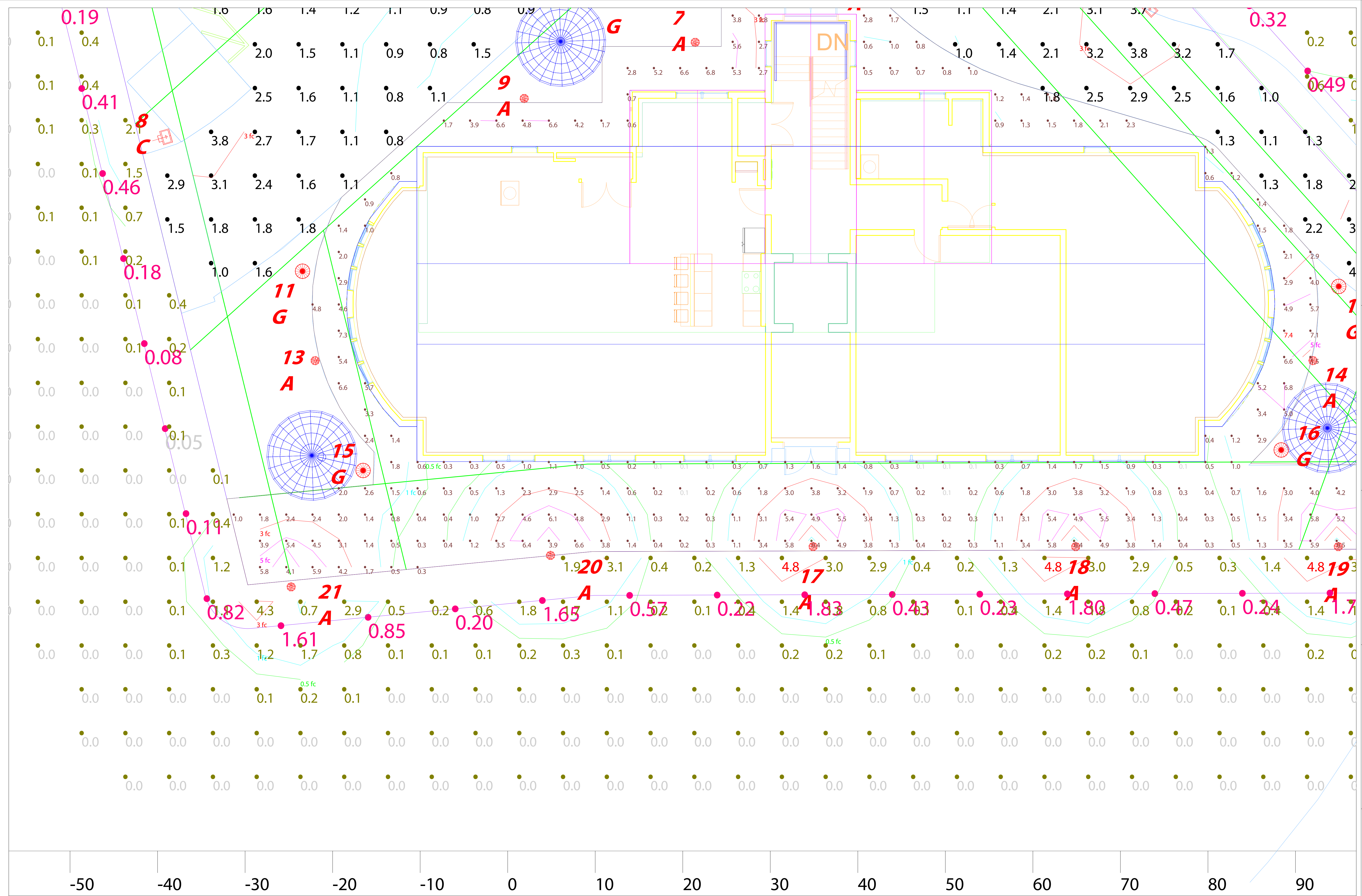
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| Job Name: Herrick Road Condo | | Filename: Herrick Road Condo Layout 00086548C.AGI |
| Lighting Layout Version C | | Drawn By: Hasan Sanli / DCA |

Prepared For:
Holbrook Associated
35 Reservoir Park Drive
Rockland, MA 02370
Tel: 888-839-1578

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35 Reservoir Park Drive
Rockland, MA 02370
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Offsite Calc Pts 5' offset Horizontal
 Scale: 1 inch= 5 Ft.

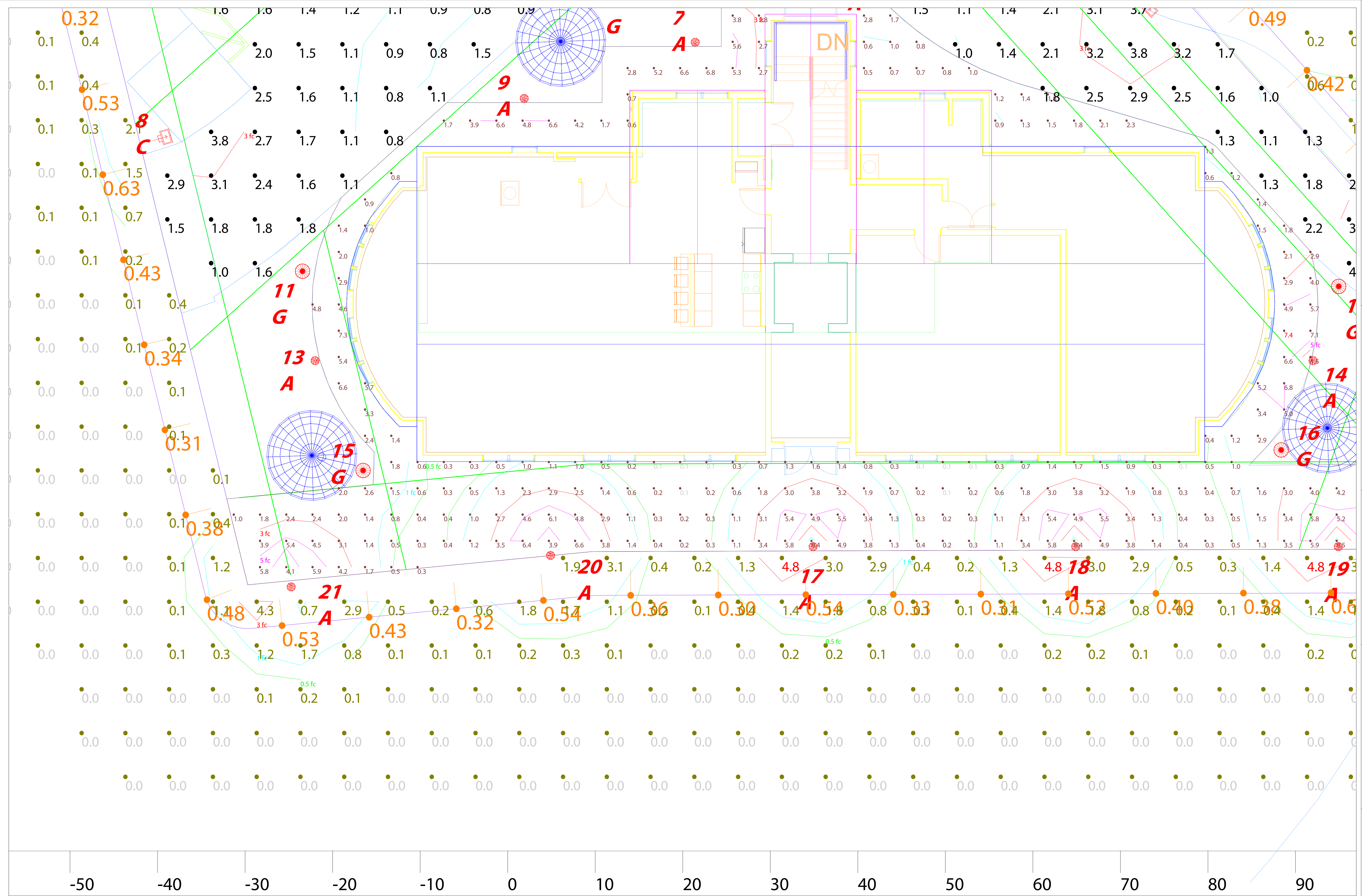
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| Scale: as noted | Date: 9/24/2018 | Case #: 00086548 |
| Job Name: Herrick Road Condo | Lighting Layout Version C | Filename: Herrick Road Condo Layout 00086548C.AGI |
| Drawn By: Hasan Sanli / DCA | | |

Prepared For:
 Holbrook Associated
 35 Reservoir Park Drive
 Rockland, MA 02370
 Tel: 888-839-1578

Filename: \\RAB-STORAGE-1\Lighting Design\Job Files-Specification Projects\Holbrook Associated\Holbrook Associated\101064\Herrick Road Condo\Working Files\AGI\Herrick Road Condo Layout 00086548C.AGI





Offsite Calc Pts 5' offset Vertical
 Scale: 1 inch= 5 Ft.

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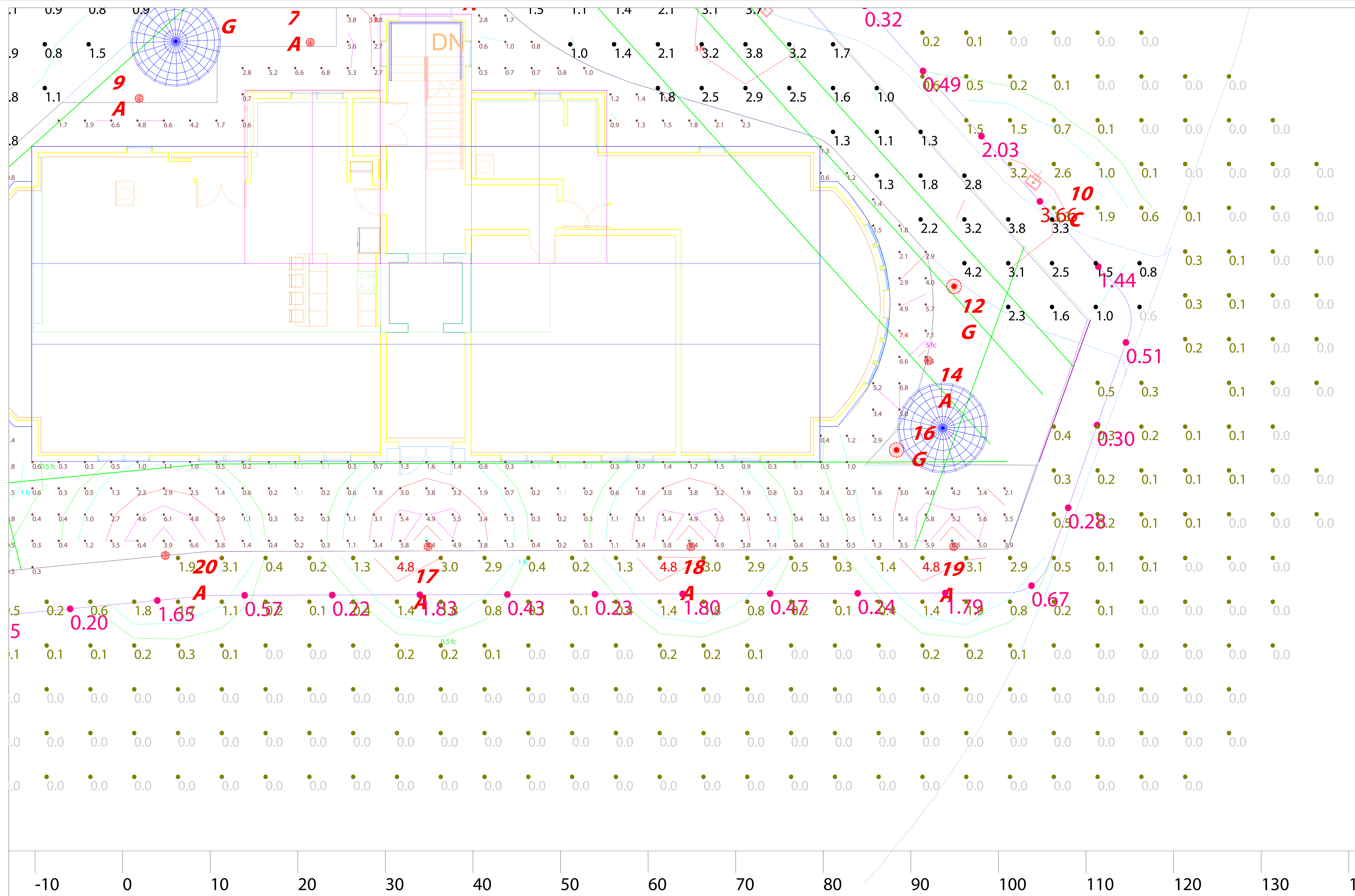
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Job Name:
 Herrick Road Condo
 Lighting Layout
 Version C

Prepared For:
 Holbrook Associated
 35 Reservoir Park Drive
 Rockland, MA 02370
 Tel: 888-839-1578

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Offsite Calc Pts 5' offset Horizontal
Scale: 1 inch= 5 Ft.

Prepared For:
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 Tel: 888-839-1578

Job Name:
 Herrick Road Condo
 Lighting Layout
 Version C

Scale: as noted

Date: 9/24/2018

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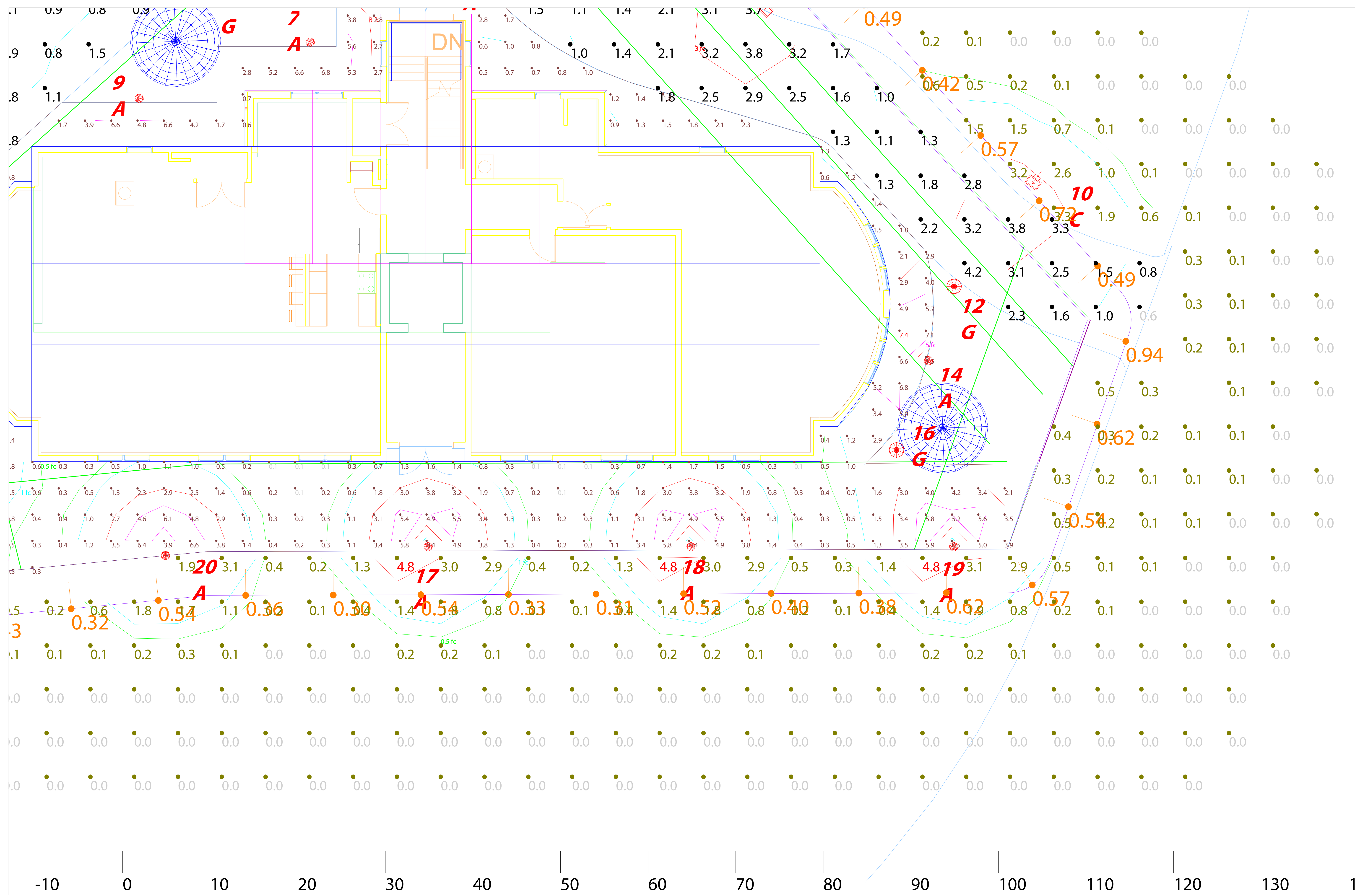
Drawn By: Hasan Sanli / DCA

Case #: 00086548

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Filename: \\RAB-STORAGE-1\Lighting Design\Job Files-Specification Projects\Holbrook Associated\Holbrook Associated\10\084\Herrick Road Condo\Working Files\AGI\Herrick Road Condo Layout 00086548C.AGI



Offsite Calc Pts 5' offset Vertical
Scale: 1 inch= 5 Ft.

Prepared For:
 Holbrook Associated
 35 Reservoir Park Drive
 Rockland, MA 02370
 Tel: 888-839-1578

Job Name:
 Herrick Road Condo
 Lighting Layout
 Version C

Scale: as noted

Date: 9/24/2018

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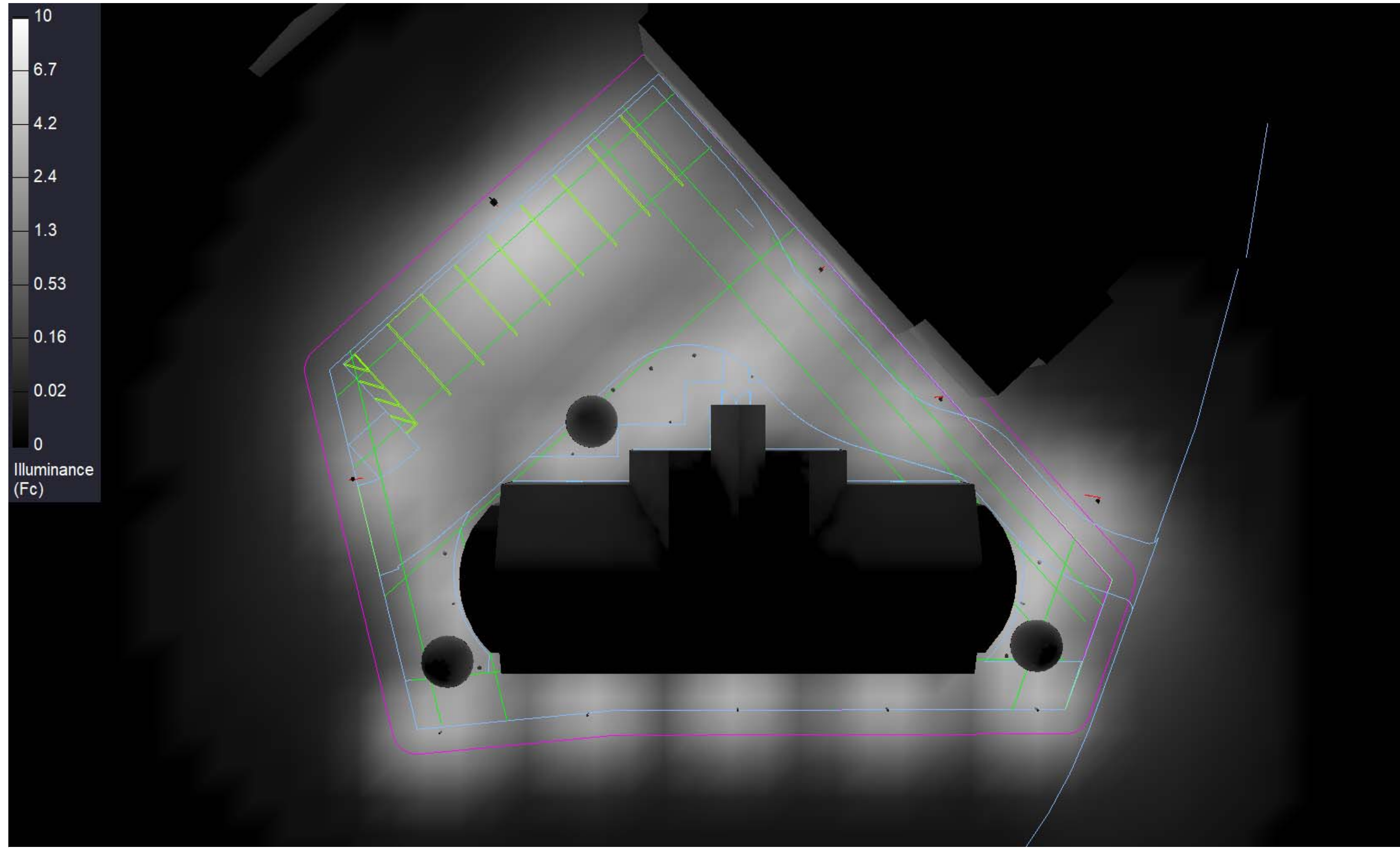
Drawn By: Hasan Sanli / DCA

Case #: 00086548

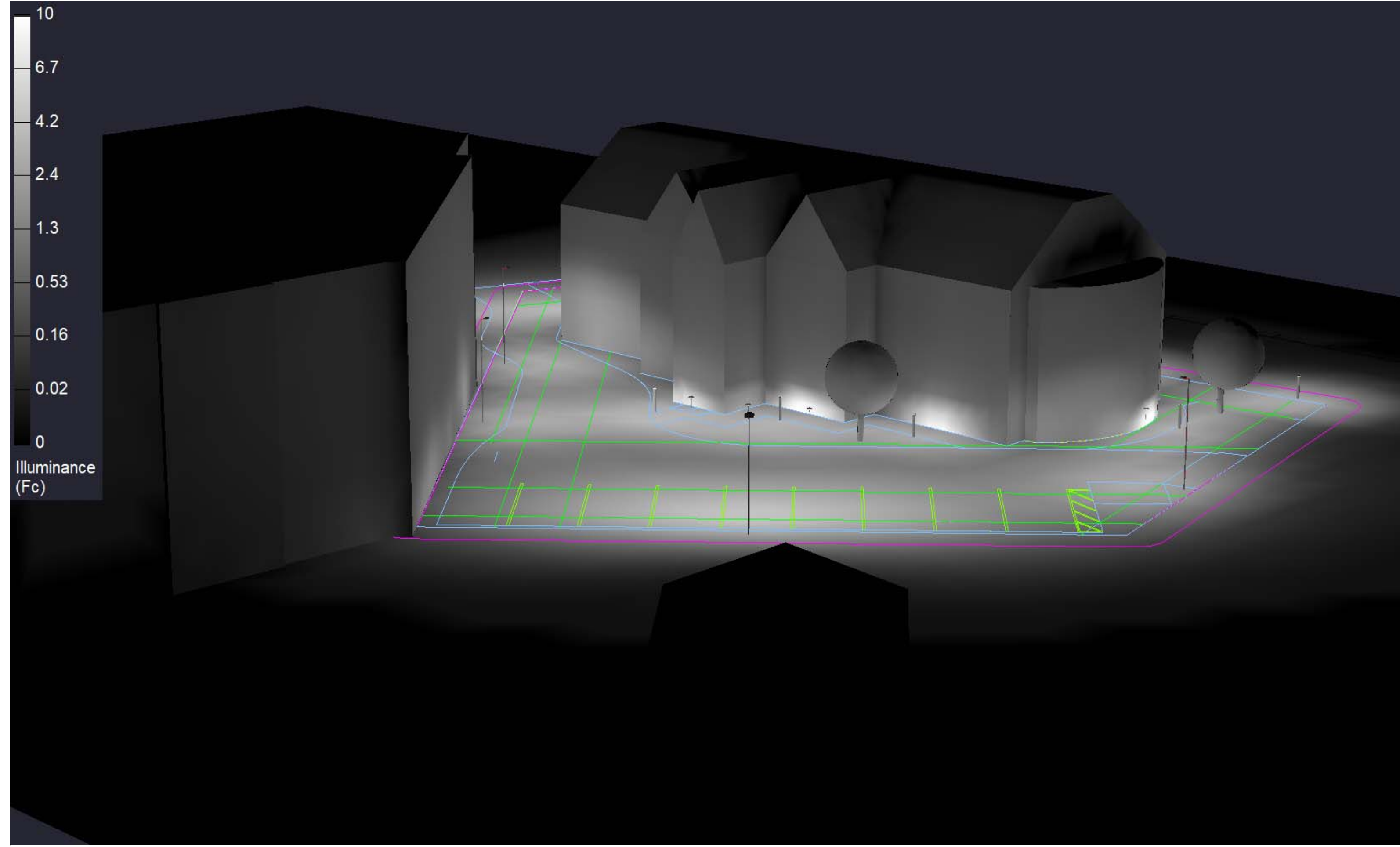
Footer:
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Filename: \\RAB-STORAGE-1\Lighting Design\Job Files-Specification Projects\Holbrook Associated\Holbrook Associated\101064\Herrick Road Condo\Working Files\AGI\Herrick Road Condo Layout 00086548C.AGI



Plan View



Render

| Calculation Summary | | | | | | | | | | | |
|----------------------|-------------|-------|------|------|------|---------|---------|---|---------|---------|--------------|
| Label | CalcType | Units | Avg | Max | Min | Avg/Min | Max/Min | Description | PtSpcLr | PtSpcTb | Meter Type |
| Driveway | Illuminance | Fc | 1.97 | 6.5 | 0.6 | 3.28 | 10.83 | Readings are taken at 0'-0" AFG | 5 | 5 | Horizontal |
| Offsite | Illuminance | Fc | 0.22 | 4.8 | 0.0 | N.A. | N.A. | Readings taken @ 0'-0" AFG | 5 | 5 | Horizontal |
| Offsite_5ft H offset | Illuminance | Fc | 0.70 | 3.66 | 0.05 | 14.00 | 73.20 | Horizontal Readings taken @ 0'-0" AFG | 10 | N.A. | Horizontal |
| Offsite_5ft V offset | Illuminance | Fc | 0.51 | 1.14 | 0.07 | 7.29 | 16.29 | Vertical Readings taken @ 5'-0" AFG Facing Subject Property | 10 | N.A. | Vert-PerpCCW |
| Walkway | Illuminance | Fc | 2.38 | 7.4 | 0.1 | 23.80 | 74.00 | Readings are taken at 0'-0" AFG | 3 | 3 | Horizontal |

| Luminaire Schedule | | | | | | | | | | | | | |
|--------------------|-----|-----|----------------|-------------|-------------|------------------|-------|--|------------|------------|-------------|--|------------|
| Symbol | Qty | Tag | Label | Arrangement | Lum. Lumens | Arr. Lum. Lumens | LLF | Description | Lum. Watts | Arr. Watts | Total Watts | Filename | BUG Rating |
| | 10 | A | BLED18Y | SINGLE | 916 | 916 | 1.000 | BLED18Y (42in ROUND BOLLARD) | 21.9 | 21.9 | 219 | BLED18Y - Warm - ITL78062.IES | B1-U1-G1 |
| | 4 | C | ALED26Y | SINGLE | 1994 | 1994 | 1.000 | ALED26Y (AREA LIGHTER) | 29 | 29 | 116 | ALED26Y - Warm - ITL80284.IES | B1-U0-G0 |
| | 7 | G | LLFCLED6LVYYA | SINGLE | 252 | 252 | 1.000 | LLFCLED6LVYYA | 5.8 | 5.8 | 40.6 | LLFCLED6LVYY - ResiWarm - ITL88073.IES | B0-U0-G0 |
| | 1 | J | ALED3T50Y-SS-B | SINGLE | 6139 | 6139 | 1.000 | ALED3T50Y + ALED150SS (BACK SIDE SHIELD) | 54.5 | 54.5 | 54.5 | ALED3T50Y-SS-B - Warm - RAB04046S.IES | B1-U0-G2 |

| Expanded Luminaire Location Summary | | | | | | |
|-------------------------------------|-----|---------|---------|--------|---------|------|
| LumNo | Tag | X | Y | MTG HT | Orient | Tilt |
| 1 | C | 50.824 | 91.863 | 15 | 224.679 | 0 |
| 2 | G | 26.229 | 75.637 | 3.5 | 0 | 0 |
| 3 | G | 17.621 | 73.015 | 3.5 | 0 | 0 |
| 4 | A | 37.757 | 71.398 | 3.5 | 180 | 0 |
| 5 | G | 10.051 | 68.76 | 3.5 | 0 | 0 |
| 6 | C | 73.952 | 66.75 | 15 | 224.679 | 0 |
| 7 | A | 21.424 | 62.365 | 3.5 | 270 | 0 |
| 8 | C | -39.83 | 51.33 | 15 | 16.45 | 0 |
| 9 | A | 1.891 | 55.948 | 3.5 | 270 | 0 |
| 10 | C | 104.463 | 47.02 | 15 | 234.238 | 0 |
| 11 | G | -23.438 | 36.216 | 3.5 | 0 | 0 |
| 12 | G | 94.937 | 34.48 | 3.5 | 0 | 0 |
| 13 | A | -22 | 26 | 3.5 | 0 | 0 |
| 14 | A | 92 | 26 | 3.5 | 180 | 0 |
| 15 | G | -16.52 | 13.455 | 3.5 | 0 | 0 |
| 16 | G | 88.367 | 15.799 | 3.5 | 0 | 0 |
| 17 | A | 34.891 | 4.755 | 3.5 | 90 | 0 |
| 18 | A | 64.891 | 4.755 | 3.5 | 90 | 0 |
| 19 | A | 94.891 | 4.755 | 3.5 | 90 | 0 |
| 20 | A | 4.891 | 3.755 | 3.5 | 90 | 0 |
| 21 | A | -24.738 | 0.158 | 3.5 | 90 | 0 |
| 22 | J | -12.504 | 104.886 | 15 | 311.951 | 0 |

Total Quantity: 22



BLED18Y



ALED26Y



LLFCLED6LVYYA



ALED3T50Y-SS-B



PS4-11-15D2

NOTES:

* The light loss factor (LLF) is a product of many variables, only lamp lumen depreciation (LLD) has been applied to the calculated results unless otherwise noted. The LLD is the result (quotient) of mean lumens / initial lumens per lamp manufacturers' specifications.

* Illumination values shown (in footcandles) are the predicted results for planes of calculation either horizontal, vertical or inclined as designated in the calculation summary. Meter orientation is normal to the plane of calculation.

* The calculated results of this lighting simulation represent an anticipated prediction of system performance. Actual measured results may vary from the anticipated performance and are subject to means and methods which are beyond the control of RAB Lighting Inc.

* Mounting height determination is job site specific, our lighting simulations assume a mounting height (insertion point of the luminaire symbol) to be taken at the top of the symbol for ceiling mounted luminaires and at the bottom of the symbol for all other luminaire mounting configurations.

* It is the Owner's responsibility to confirm the suitability of the existing or proposed poles and bases to support the proposed fixtures, based on the weight and EPA of the proposed fixtures and the owner's site soil conditions and wind zone. It is recommended that a professional engineer licensed to practice in the state the site is located be engaged to assist in this determination.

* The landscape material shown hereon is conceptual, and is not intended to be an accurate representation of any particular plant, shrub, bush, or tree, as these materials are living objects, and subject to constant change. The conceptual objects shown are for illustrative purposes only. The actual illumination values measured in the field will vary.

* Photometric model elements such as buildings, rooms, plants, furnishings or any architectural details which impact the dispersion of light must be detailed by the customer documents for inclusion in the RAB lighting design model. RAB is not responsible for any inaccuracies caused by incomplete information on the part of the customer, and reserves the right to use best judgement when translating customer requests into photometric studies.

* RAB Lighting Inc. luminaire and product designs are protected under U.S. and International intellectual property laws. Patents issued or pending apply.

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Scale: as noted
 Date: 9/24/2018
 Case #: 00086548
 Job Name: Herrick Road Condo
 Lighting Layout Version C
 Filename: Herrick Road Condo Layout 00086548C.AGI
 Drawn By: Hasan Sanli / DCA

Prepared For:
 Holbrook Associated
 35 Reservoir Park Drive
 Rockland, MA 02370
 Tel: 888-839-1578

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 LIGHTING
 170 Ludlow Avenue, Northvale, NJ 07647
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Filename: \\RAB-STORAGE-1\Lighting Design\Job Files-Specification Projects\Holbrook_Associated\010064\Herrick Road Condo\Working Files\AGI\Herrick Road Condo Layout 00086548C.AGI



LED bollard with architectural quality and strength at an affordable price point. Cylindrical post with round head. Available in 4 light pattern configurations including 360° (24W), 270°(18W), 180°(12W option) & 90°(12W standard).

Color: Bronze

Weight: 18.6 lbs

| | |
|---------------------------------------|-------------------------|
| Project: Herrick Road Condo | Type: A |
| Prepared By: Donald Andrews | Date: 9/24/18 |

| Driver Info | | LED Info | |
|--------------|------------------|-----------------|--------------|
| Type: | Constant Current | Watts: | 18W |
| 120V: | 0.24A | Color Temp: | 3000K (Warm) |
| 208V: | 0.18A | Color Accuracy: | 84 CRI |
| 240V: | 0.15A | L70 Lifespan: | 100000 |
| 277V: | 0.12A | Lumens: | 1593 |
| Input Watts: | 17W | Efficacy: | 94 LPW |
| Efficiency: | N/A | | |

Technical Specifications

Listings

UL Listing:

Suitable for wet locations. Suitable for mounting within 4 ft. (1.2m) of the ground.

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: PP83EN99

IESNA LM-79 & IESNA LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

LED Characteristics

LEDs:

Long-life, high-efficiency, surface mount LEDs

Lifespan:

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

Color Consistency:

5-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability:

LED color temperature is warrantied 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 C78.377-2017

Electrical

Driver:

Constant Current, Class 2, 100-277V, 50/60 Hz, 4kV Surge Protection, 700mA, 120V: 0.24A, 208V: 0.18A, 240V: 0.15A, 277V: 0.12A

THD:

6.5% at 120V, 10.4% at 277V

Power Factor:

99.5% at 120V, 89.7% at 277V

Optical

BUG Rating:

B1 U3 G2

Construction

Cold Weather Starting:

Minimum starting temperature is -40°C (-40°F)

Thermal Management:

Cast aluminum Thermal Management system for optimal heat sinking. The BLEDR is designed for cool operation, maximum efficiency and long life by minimizing LED junction temperature.

Housing:

Die-cast aluminum with extruded aluminum post

Lens:

Frosted vandal resistant polycarbonate

Reflector:

Vacuum metalized polycarbonate

Mounting:

Four (4) anchor bolts provided for concrete pad mounting. Internal base support has leveling screws.

Gaskets:

High-temperature silicone gaskets seal out moisture gaskets seal out moisture

Anchor Bolt:

Anchor Bolt Dimension is available .

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color

Green Technology:

Mercury and UV-free. RoHS compliant components.

Other

Patents:

The design of BLEDR is protected by patents in US, Canada & China

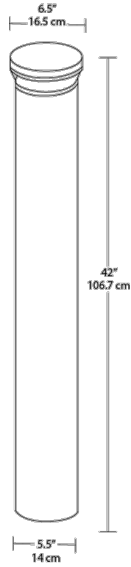
Replacement:

Replaces up to 50W Metal Halide

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. RAB's warranty is subject to all terms and conditions found at

Dimensions



Features

- Patented base mount design for super sturdy installation
- Durable construction and frosted vandal-resistant polycarbonate lens
- 4 configurations to provide 360°(24W), 270°(18W), 180°(12W) or 90°(12W) lighting pattern
- Precision-engineered optics deliver maximum downward lighting without glare
- Four leveling screws provided for easy installation
- 100,000-hour LED lifespan

Ordering Matrix

| Family | Wattage | Color Temp | Finish | Distribution | Voltage | Dimming | Backup |
|--------|----------|-----------------------------|-----------------------|-------------------------------------|-------------------------------------|--------------------------------|---|
| BLEDR | 18 | Y | ^ | ^ | ^ | ^ | ^ |
| | 12 = 12W | Blank = 5000K (Cool) | Blank = Bronze | Blank = Standard | Blank = No Option (120-277V) | Blank = None (Standard) | Blank = No Battery Backup |
| | 18 = 18W | N = 4000K (Neutral) | W = White | 180 = 180 degrees (12W only) | /480 = 480V (24W only) | /D10 = 0-10V Dimming | /E = Battery Backup (24W only) |
| | 24 = 24W | Y = 3000K (Warm) | | | | | /EC = Battery Backup Cold Weather (24W only) |



Color: Bronze

Weight: 6.5 lbs

| | |
|---------------------------------------|-------------------------|
| Project: Herrick Road Condo | Type: C |
| Prepared By: Donald Andrews | Date: 9/24/18 |

| Driver Info | | LED Info | |
|--------------|------------------|-----------------|--------------|
| Type: | Constant Current | Watts: | 26W |
| 120V: | 0.26A | Color Temp: | 3000K (Warm) |
| 208V: | 0.16A | Color Accuracy: | 71 CRI |
| 240V: | 0.14A | L70 Lifespan: | 100000 |
| 277V: | 0.12A | Lumens: | 3296 |
| Input Watts: | 29W | Efficacy: | 112 LPW |
| Efficiency: | 89% | | |

Technical Specifications

Listings

UL Listing:

Suitable for wet locations

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: P0000175Q

IESNA LM-79 & IESNA LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

Dark Sky Conformance:

Conforms to (allows for conformance to) the requirements for the IDA's "Fixture Seal of Approval" as of March 1, 2016.

LED Characteristics

Lifespan:

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

Lumen Maintenance:

The LED will deliver 70% of its initial lumens at 100,000 hours of operation

Color Consistency:

3-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 C78.377-2017.

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 semiCircular distribution with essentially the same candlepower at lateral angles from 90° to 270°.

Housing:

Precision die cast aluminum housing, lens frame

Gaskets:

High temperature silicone

Effective Projected Area:

EPA = 0.27.

Finish:

Formulated for high-durability and long lasting color

Green Technology:

Mercury and UV-free. RoHS compliant components

Ambient Temperature:

Suitable for use in 40°C (104°F) ambient temperatures

Cold Weather Starting:

Minimum starting temperature is -40°C (-40°F)

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. RAB's warranty is subject to all terms and conditions found at

Patents:

The ALED design is protected by U.S. PATENT D608,040 and patents pending in the U.S., Canada, China, Taiwan and Mexico.

Equivalency:

Equivalent to 70W Metal Halide

Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Electrical

Driver:

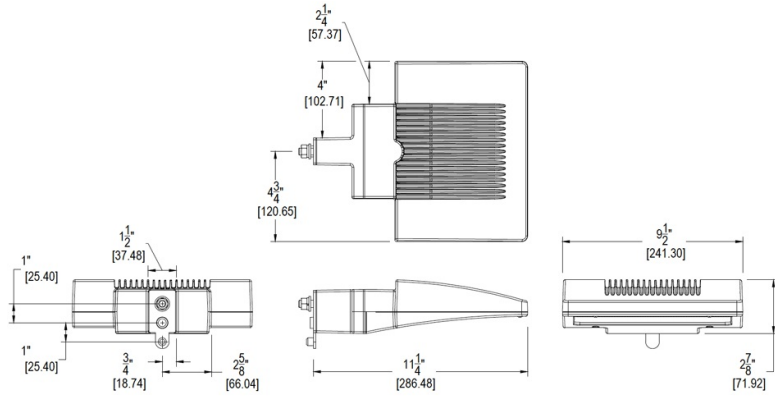
Multi-chip 26W high output long life LED Driver Constant Current, 720mA, Class 2, 6kV Surge Protection, 100V-277V, 50-60 Hz, 100-240V.4 Amps.

Optical

BUG Rating:

B1 U0 G0

Dimensions



Features

- High output LED light engine
- Maintains 70% of initial lumens at 100,000 hours
- Weatherproof high temperature silicone gaskets
- Superior heat sinking with die cast aluminum housing and external fins

Ordering Matrix

| Family | Wattage | Color Temp | Photocell | Finish | Other Options |
|--------|--|---|---|-----------------------------|---|
| ALED | 10 = 10W 13 = 13W 18 = 18W 20 = 20W | Blank = 5000K (Cool) Y = 3000K (Warm) N = 4000K (Neutral) | Blank = No Photocell /PC = 120V Button /PC2 = 277V Button | Blank = Bronze W = White | Blank = Standard USA = BAA Compliant |



Light your path and enhance your outdoor space with durable die cast metal LED pathway lights that are built to withstand the elements. Available in full cutoff, 1 tier and 2 tier models, FERN is equivalent to 20W halogen and has a 100,000 hour LED lifespan.

Color: Bronze

Weight: 4.7 lbs

| | |
|---------------------------------------|-------------------------|
| Project: Herrick Road Condo | Type: G |
| Prepared By: Donald Andrews | Date: 9/24/18 |

| Driver Info | | LED Info | |
|--------------|------------------|-------------|--------------------------|
| Type: | Constant Current | Watts: | 6W |
| 120V: | N/A | Color Temp: | 2700K (Residential Warm) |
| 208V: | N/A | Color | 81 CRI |
| 240V: | N/A | Accuracy: | L70 Lifespan: 100000 |
| 277V: | N/A | Lumens: | 252 |
| Input Watts: | 6W | Efficacy: | 43 LPW |
| Efficiency: | N/A | | |

Technical Specifications

Listings

UL Listing:

Suitable for wet locations. Suitable for mounting within 4 feet of the ground.

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

Construction

IP Rating:

Ingress Protection rating of IP66 for dust and water

Cold Weather Starting:

The minimum starting temperature is -30°C/-34°F

Housing:

Precision die-cast aluminum housing

Lens:

Clear polycarbonate

Mounting:

18" stem with 1/2" NPS thread on both ends. Mounts to sturdy plastic pike to ground mount (included).

Lens:

Clear polycarbonate

Green Technology:

Mercury and UV-free. RoHS compliant components.

Gaskets:

High-temperature silicone gaskets

Finish:

Formulated for high-durability and long lasting color

Electrical

System Transformer:

No driver needed. Multi-tap magnetic transformer with 60 Hz only (sold separately). 054A.

LED Characteristics

Lifespan:

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

LEDs:

Long-life, high-efficacy surface mount LEDs

Color Stability:

LED color temperature is warrantied 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 C78.377-2017.

Optical

BUG Rating:

B0 U0 G0

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. RAB's warranty is subject to all terms and conditions found at

Features

Compatible with 12VAC systems

Includes 8" ground spike

100,000-Hour lifespan

Ordering Matrix

| Family | Tiers | LED | Wattage | Color Temp | Finish |
|--------|--|------------------|-----------------------|--------------------------------------|---|
| LL | FC | LED | 6LV | YY | A |
| | FC = Full Cutoff 1 = 1 Tier 2 = 2 Tiers | LED = LED | 6LV = 6W 12VAC | YY = 2700K (Residential Warm) | VG = Verde Green A = Bronze B = Black D = Sand W = White |



Color: Bronze

Weight: 32.0 lbs

Project:
Herrick Road Condo

Type:
J

Prepared By:
Donald Andrews

Date:
9/24/18

Driver Info

Type: Constant Current
120V: 0.46A
208V: 0.27A
240V: 0.23A
277V: 0.20A
Input Watts: 55W
Efficiency: 92%

LED Info

Watts: 50W
Color Temp: 3000K (Warm)
Color Accuracy: 71 CRI
L70 Lifespan: 100000
Lumens: 6500
Efficacy: 119 LPW

Technical Specifications

Listings

UL Listing:

Suitable for wet locations as a downlight

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: P0000178T

IESNA LM-79 & IESNA LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

Dark Sky Conformance:

Conforms to (allows for conformance to) the requirements for the IDA's "Fixture Seal of Approval" as of March 1, 2016.

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:

3-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 C78.377-2017.

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 (104°F) ambient temperatures

Cold Weather Starting:

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:

Universal mounting arm compatible for hole spacing patterns from 1" to 5 1/2" center to center. Round Pole Adaptor plate included as a standard. Easy slide and lock to mount fixture with ease. Round pole diameter must be >4" to mount fixtures at 90° orientation.

Reflector:

Specular vacuum-metallized polycarbonate

Gaskets:

High temperature silicone gaskets

Finish:

Formulated for high-durability and long lasting color

Green Technology:

Mercury and UV-free. RoHS compliant components.

Electrical

Driver:

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

Surge Protection:

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

THD:

6.1% at 120V, 9.4% at 277V

Power Factor:

99.6% at 120V, 96% at 277V

Other

Patents:

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

Technical Specifications (continued)

Other

Equivalency:

Replaces 200W Metal Halide

BAA Compliance:

Click for BAA compliance.

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. RAB's warranty is subject to all terms and conditions found at

Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Optical

BUG Rating:

B0 U0 G1

Features

66% energy cost savings vs. HID

100,000-hour LED lifespan

5-year warranty

Ordering Matrix

| Family | Optics | Wattage | Mounting | Color Temp | Finish | Driver Options | Options | Other Options |
|--------|---------------|---|--------------------|----------------------|------------------------|--|--|---------------------|
| ALED | 3T | 50 | ^ | Y | ^ | ^ | ^ | ^ |
| | 4T = Type IV | 50 = 50W 66 = 66W | Blank = Pole mount | Blank = 5000K (Cool) | Blank = Bronze | Blank = 120-277V | Blank = No Option | Blank = Standard |
| | 3T = Type III | 78 = 78W | SF = Slipfitter | N = 4000K (Neutral) | RG = Roadway Gray | /480 = 480V | /LC = Lightcloud® Controller | USA = BAA Compliant |
| | 2T = Type II | 105 = 125 = 125W 150 = 150W | | Y = 3000K (Warm) | W = White K = Black | /BL = Bi-Level /D10 = 0-10V Dimming | /PCS = 120V Swivel Photocell /PCS2 = 277V Swivel Photocell /PCS4 = 480V Swivel Photocell /PCT4 = 480V Twistlock Photocell /WS2 = Multi-Level Motion Sensor 20 ft. /WS4 = Multi-Level Motion Sensor 40 ft. | |



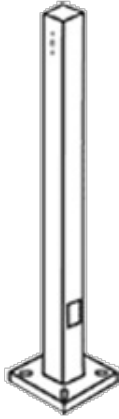
| | |
|---------------------------------------|-------------------------|
| Project: Herrick Road Condo | Type: J |
| Prepared By: Donald Andrews | Date: 9/24/18 |

Technical Specifications

Other

Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.



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: 106.0 lbs

| | |
|---------------------------------------|-------------------------|
| Project: Herrick Road Condo | Type: |
| Prepared By: Donald Andrews | Date: 9/24/18 |

| Lamp Info | | Ballast Info | |
|--------------|-----|--------------|-----|
| Type: | N/A | Type: | N/A |
| Watts: | 0W | 120V: | N/A |
| Shape/Size: | N/A | 208V: | N/A |
| Base: | N/A | 240V: | N/A |
| ANSI: | N/A | 277V: | N/A |
| Hours: | N/A | Input Watts: | 0W |
| Lamp Lumens: | N/A | | |
| Efficacy: | N/A | | |

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:

15 FT

Weight:

106 lbs

Gauge:

11

Wall Thickness:

1/8"

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

MaxEPA's/Max Weights:

- 70MPH 14.0 ft_/400 lb
- 80MPH 10.2 ft_/295 lb
- 90MPH 7.6 ft_/220 lb
- 100MPH 5.6 ft_/165 lb
- 110MPH 4.2 ft_/125 lb
- 120MPH 3.0 ft_/95 lb
- 130MPH 2.1 ft_/70 lb
- 140MPH 1.4 ft_/50 lb
- 150MPH 0.8 ft_/35 lb.

Other

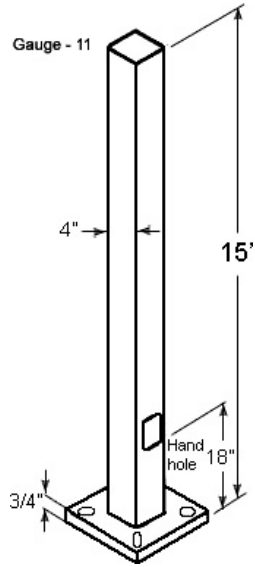
Terms of Sale:

Pole Terms of Sale is available .

Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

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