ROBERT W. KELLY
ARCHITECT INC.
201 SOUTH CALHOUN STREET, SUITE 125-B
FORT WORTH, TEXAS 76104
817-332-5014 FAX: 817-332-8570

04/01/19

Lee's Summit, Missouri
Development Services
Application # PL2018165
Application Type: Commercial Final Development Plan
Application Name: Oakview Climate Controlled Storage
Location: 1410 NE Douglas St. Lee Summit, MO-64086

**Responses to letter dated March 13, 2019**

1. **Architecture:**

   - Most recent all sides exterior elevations are included in the submittal. Refer to sheet A201 & A202.
   - All proposed building material colors are labeled on the exterior elevations submitted. Refer to sheet A201 & A202. Colored rendering for the project was previously submitted and within the limits of "artistic license" represents the construction drawings.
   - Location of the roof top units are shown dashed on building elevations. Refer to sheets A201 & A202. All roof top units will be screened with the screening system as mentioned on the sheet A105.

2. **Photometrics:**
   - Photometric calculations and fixture cut sheets are provided on the attached new E3.0, E3.1 and E3.2 sheets as well as on the attached revised E4.1 sheet.

3. **Trash Enclosure:**
   - Trash enclosure details were already submitted with the set on sheet A101. Note to paint the gate to match the masonry walls is added to sheet A101.

4. **Engineering review**
5. **Fire review:**

   1. Shall conform. Code to be followed is IFC 2012 and is mentioned on sheet A001 under applicable codes.

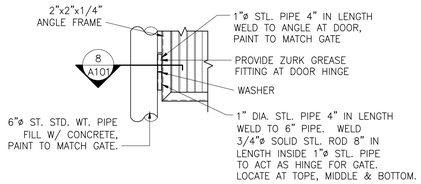
Standpipe connections will be provided in stairwells as a part of fire protection drawing submittal by a sub-contractor.

2. Informational comment acknowledged. Knox box is provided over the FDC connection outside sprinkler room door. Refer revised sheet A102.

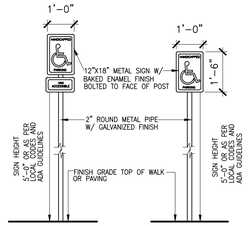
If there are further questions or comments, please contact this office.

Regards,

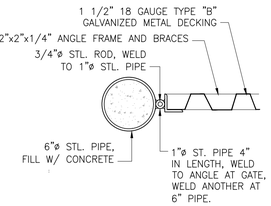
Robert W. Kelly
Missouri License A-2018003801



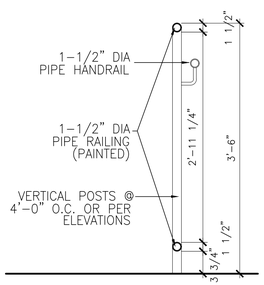

9 A101 DETAIL–GATE HINGE
SCALE: NTS



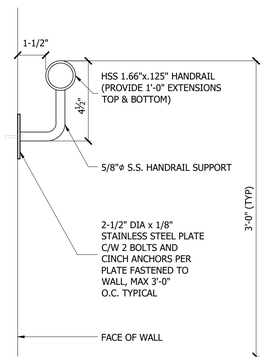

7 A101 ADA SIGNAGE
SCALE: NTS



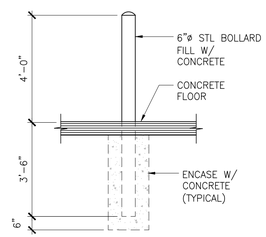

8 A101 DETAIL–GATE HINGE
SCALE: NTS



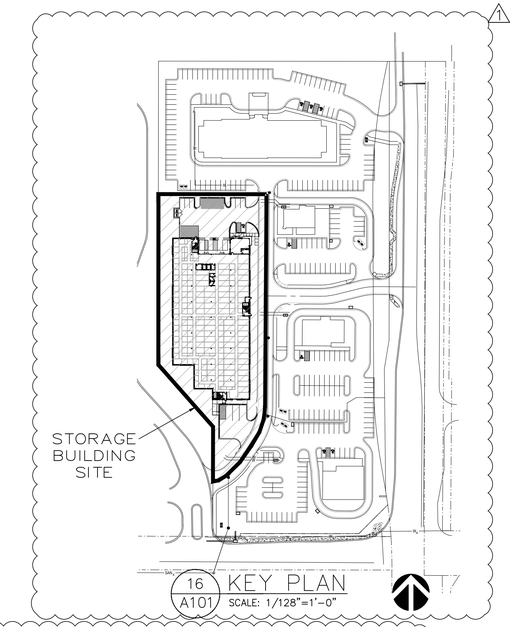

14 A101 GUARDARIL/RAILING DETAIL
SCALE: 1"=1'–0"



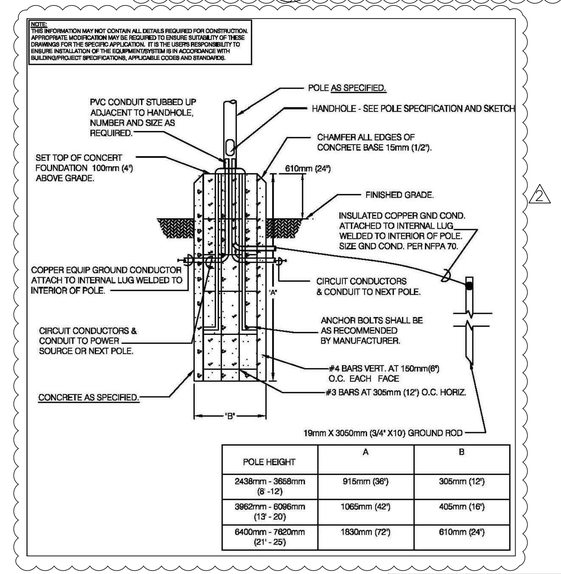

15 A101 WALL HADRAIL DETAIL
SCALE: 3"=1'–0"




6 A101 BOLLARD DETAIL
SCALE: NTS

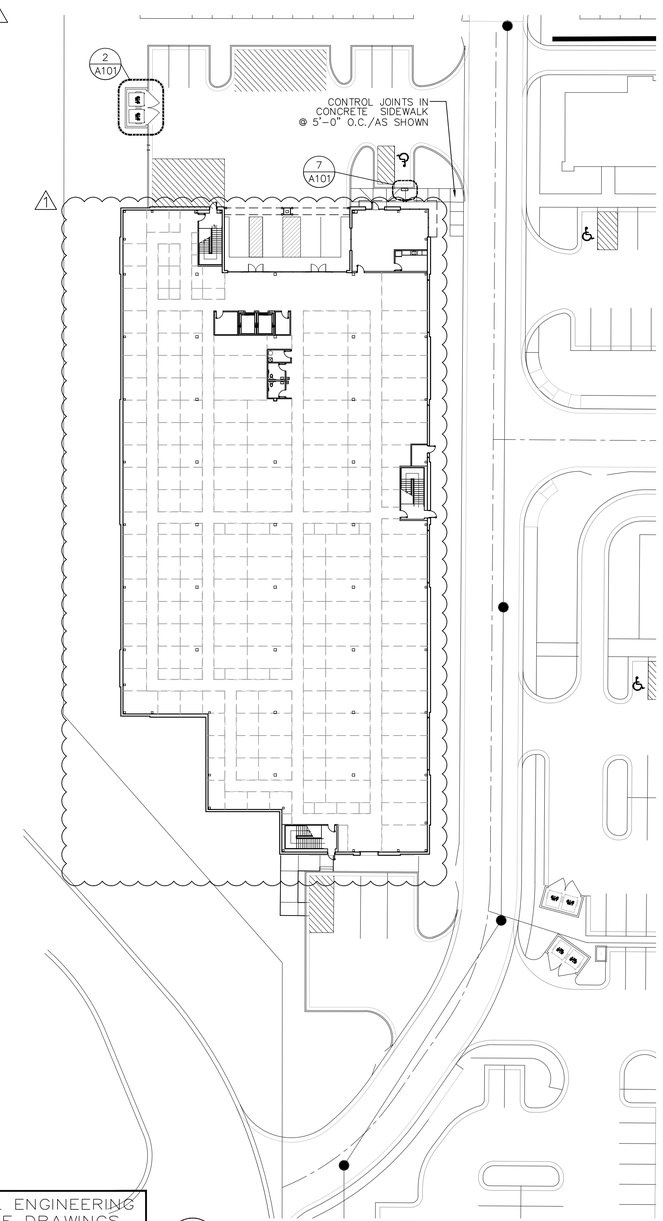



16 A101 KEY PLAN
SCALE: 1/128"=1'–0"

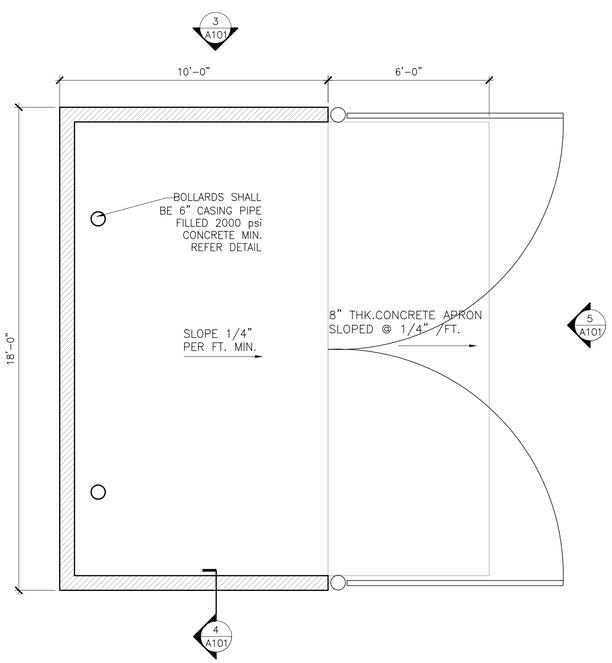



| POLE HEIGHT | A | B |
|---|---|---|
| 2438mm - 3658mm (8' -12') | 915mm (36") | 305mm (12") |
| 3962mm - 6096mm (13' - 20') | 1065mm (42") | 405mm (16") |
| 6400mm - 7620mm (21' - 25') | 1830mm (72") | 610mm (24") |

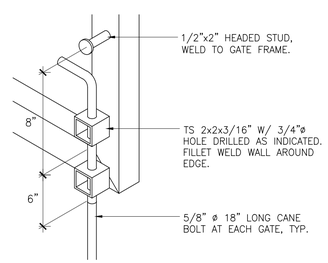
17 A101 LIGHT POLE BASE DETAIL
SCALE: NO SCALE




1 A101 SITE PLAN
SCALE: 1/32"=1'–0"

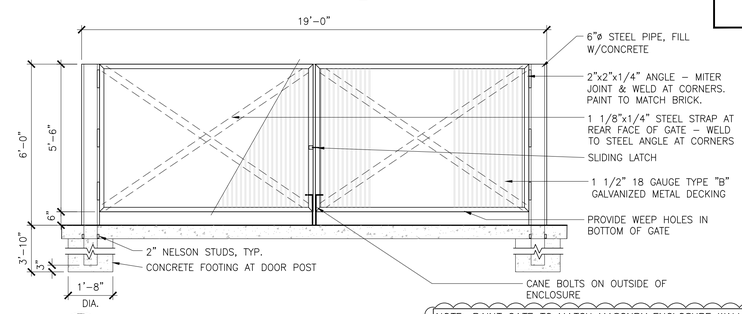



2 A101 DUMPSTER PLAN
SCALE: 3/8"=1'–0"



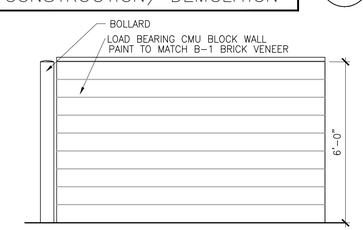

10 A101 DETAIL–CANE BOLT
SCALE: NTS

NOTE: REFER TO CIVIL ENGINEERING AND LANDSCAPE DRAWINGS FOR ALL SITE WORK RELATED CONSTRUCTION/ DEMOLITION

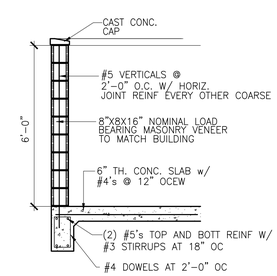



NOTE: PAINT GATE TO MATCH MASONRY ENCLOSURE WALLS

5 A101 DUMPSTER FRONT ELEV.
SCALE: 3/8"=1'–0"




3 A101 DUMPSTER SIDE ELEV.
SCALE: 3/8"=1'–0"




4 A101 DUMPSTER WALL SECTION
SCALE: 3/8"=1'–0"

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2 02/28/19
3 03/29/19

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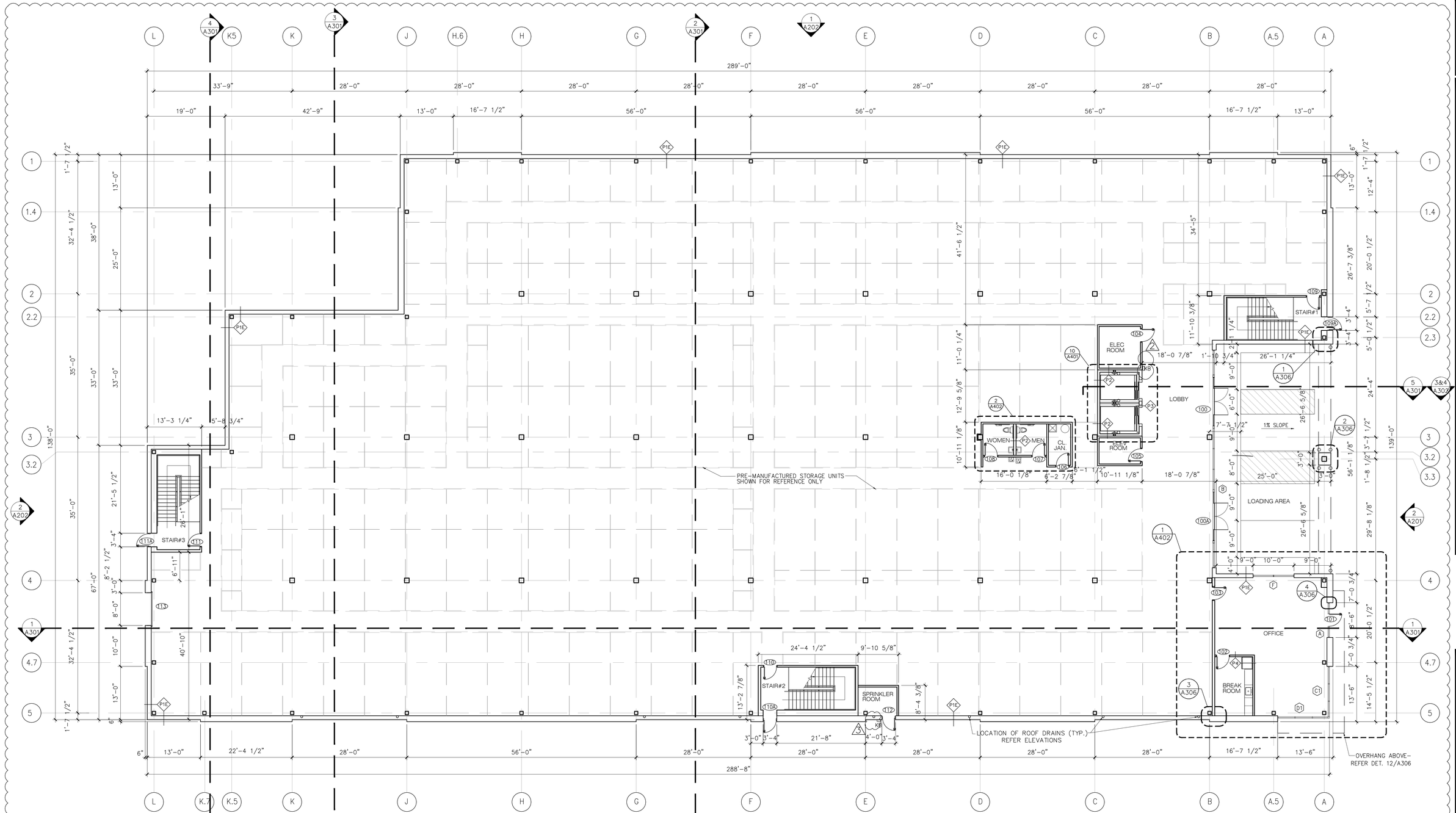
SHEET NO.
A101
05 OF 25




1 A102 FIRST FLOOR PLAN
SCALE: 3/32"=1'-0"

NOTE:

01 REFER DRAWING A401 FOR STAIR AND ELEVATOR PLAN DETAILS
02 REFER DRAWING A402 FOR DETAILED ENLARGED OFFICE/ RETAIL, RESTROOM & JANITOR'S ROOM PLANS
03 REFER DRAWING A001 FOR PARTITION TYPES
04 REFER STRUCTURAL DRAWINGS FOR ALL STRUCTURAL MEMBER SIZES. DO NOT SCALE.

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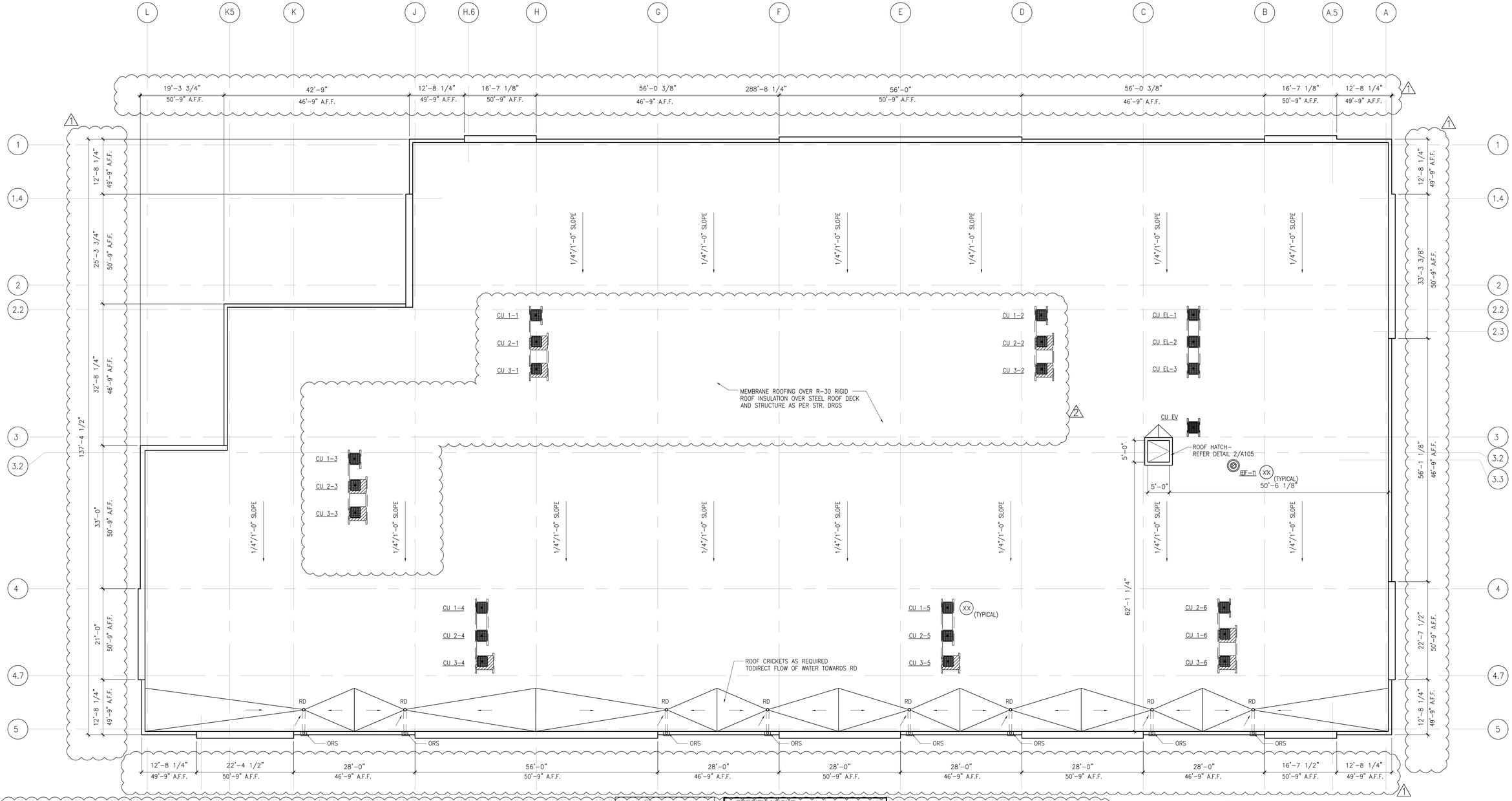



1 A105 ROOF PLAN
SCALE: 3/32"=1'-0"

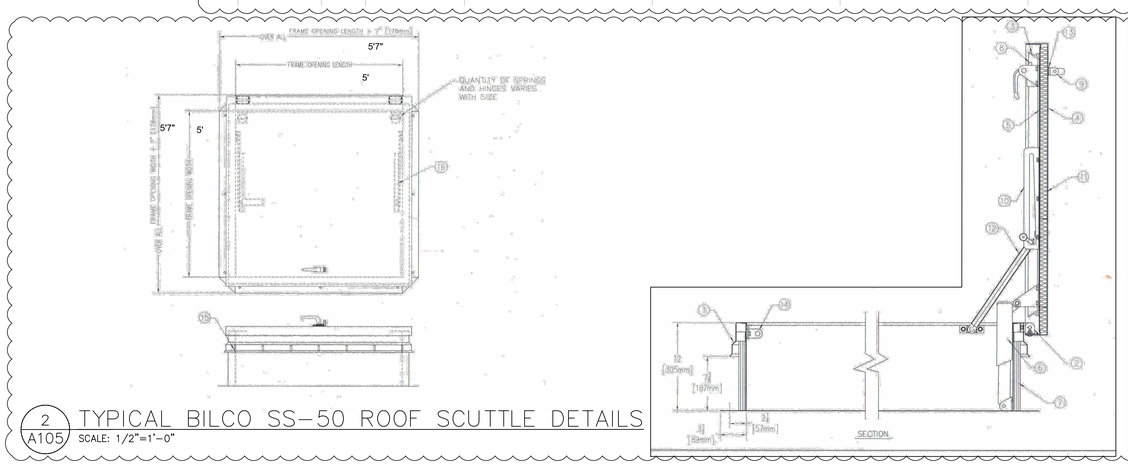
RD= ROOF DRAIN– REFER MECHANICAL DRAWINGS

ORS= OVERFLOW ROOF SCUPPER ( THRU WALL)
REFER MECHANICAL DRAWINGS FOR CALCULATIONS
REFER TO DETAILS 5 & 9/A305

SHOWS DOWN DIRECTION OF WATER FLOW

NOTE: PROVIDE CRICKETS AS REQUIRED AT ALL CONDENSER UNIT LOCATIONS.

SCREEN ALL ROOF TOP CONDENSING UNITS WITH CUSTOM CURB SYSTEM BY NORTH AMERICAN ENCLOSURES INC.
CONTACT:
Stephen Smith
President
North American Enclosures, Inc.
3511 Timber Creek Ln.
Naperville, IL 60565
Ph: 630-290-7911
Fx: 630-857-9001
www.northamericanenclosures.us



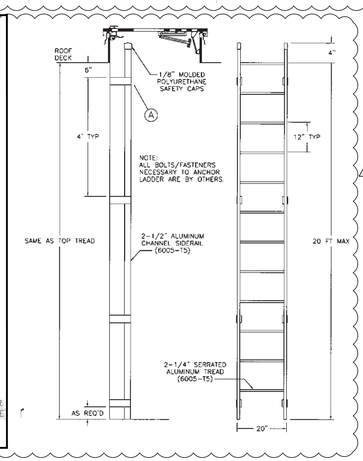

2 A105 TYPICAL BILCO SS-50 ROOF SCUTTLE DETAILS
SCALE: 1/2"=1'-0"

SPECIFICATIONS

1. FRAME W/ CAPFLASHING (CORNERS FULL WELDED)
   SS-20 = 14 GAUGE P.B. GALV. STEEL
   SS-40 = 14 GAUGE P.B. GALV. STEEL
   SS-50 = 11 GAUGE ALUMINUM
2. PINTLE HINGE
3. GASKET (ALL AROUND COVER)
4. COVER GAUGE
   SS-20 = 14 GAUGE P.B. GALV. STEEL
   SS-40 = 11 GAUGE ALUMINUM
   SS-50 = 11 GAUGE ALUMINUM
5. COVER LINER
   SS-20 = 22 GAUGE P.B. GALV. STEEL
   SS-40 = 18 GAUGE ALUMINUM
   SS-50 = 18 GAUGE ALUMINUM
6. LIFTING MECHANISM WITH REINFORCED COMPOSITE TUBES AND COMPRESSION SPRINGS
7. 1" RIGID FIBERBOARD INSULATION
8. SLAM LATCH (SEE NOTE)
9. INSIDE AND OUTSIDE HANDLES W/ PADLOCK HASPS
10. ARM GUIDE BRACKET
11. 1" THICK FIBERGLASS COVER INSULATION
12. HOLD OPEN ARM W/ RED VINYL GRIP
13. NEOPRENE GASKET
14. LOCK STRIKE & PADLOCK HASP
15. BILCLIP® FLASHING SYSTEM
16. GUIDE ARM (IF REQ'D)

SHOP FINISH:
STEEL: RED OXIDE PRIMER
ALUMINUM: MILL FINISH
HARDWARE: ZINC PLATED & CHROMATE SEALED
(UNLESS OTHERWISE SPECIFIED)

THIS PRODUCT MAY BE INSTALLED ON EITHER A FLAT OR SLOPING ROOF. WHEN INSTALLED ON A SLOPE, THE HINGE SIDE MUST RUN PARALLEL WITH THE SLOPE. IF SLOPE EXCEEDS 30°, ADVISE FACTORY FOR MODIFICATION.




3 A105 TYPICAL FX-LL PRECISION ALUMINUM FIXED ROOF LADDER DETAIL
SCALE: 1/4"=1'-0"

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SHEET NO.
A105
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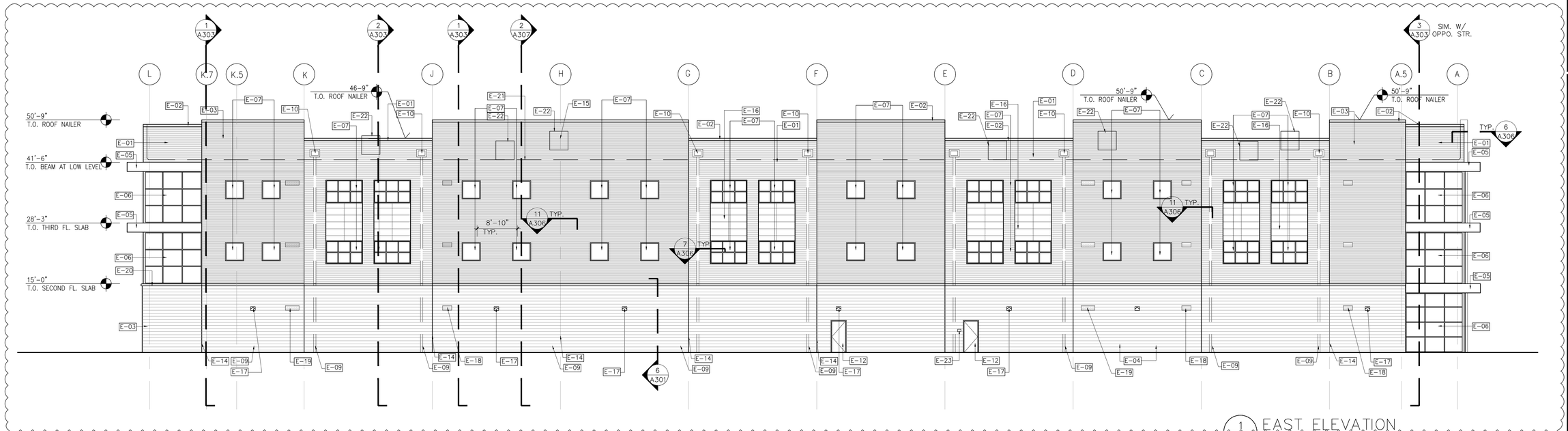
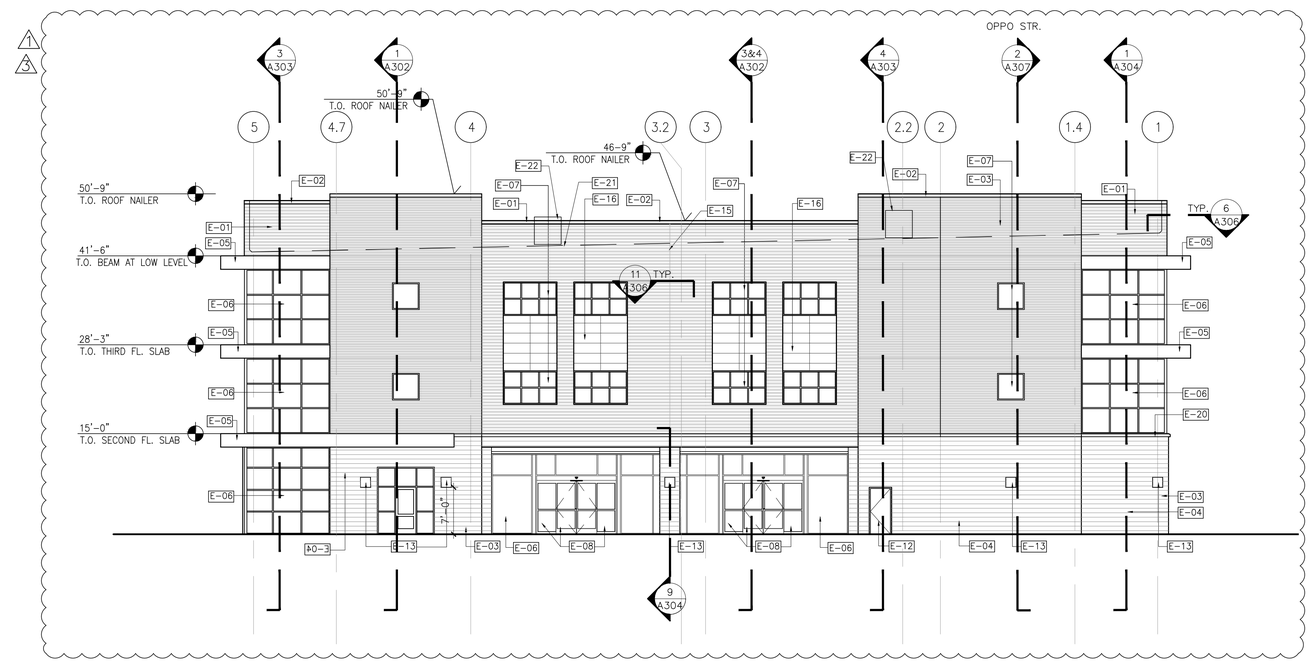



1 A201 EAST ELEVATION
SCALE: 3/32"=1'-0"

| | EXTERIOR ELEVATION NOTES |
|---|---|
| E-01 | PREFINISHED MBCI MASTERLINE-16 WALL PANEL SYSTEM<br>-COLOR-P1 (SLATE GRAY)<br>SUBMIT SHOP DRGS. |
| E-02 | PREFINISHED METAL COPING TO MATCH MBCI WALL PANEL<br>COLOR: SLATE GRAY |
| E-03 | KING SIZE BRICK VENEER-<br>KANSAS BRICK & TILE COMPANY<br>COLOR-OLD CHEYENNE |
| E-04 | CMU BLOCK VENEER BY BUILDERS EQUIPMENT AND SUPPLY<br>"BLANCO" OR EQUAL BURNISHED FINISH |
| E-05 | CANTILEVER AWNING WITH JAMES HARDIE SIDING FASCIA AND SOFFIT<br>COLOR: IRON GRAY<br>- REFER DETAILS ( SUBMIT SHOP DRGS ) |
| E-06 | KAWNEER TRI-FAB STOREFRONT 451 WITH 2"X4-1/2" DEEP MULLIONS<br>REFER 1/A601<br>(COLOR: CLEAR ANODIZED)-SUBMIT SHOP DRGS. |
| E-07 | KAWNEER TRI-FAB STOREFRONT 451 WINDOWS (COLOR: CLEAR ANODIZED)<br>REFER 1/A601<br>SUBMIT SHOP DRGS. |
| E-08 | AUTOMATIC SLIDING STOREFRONT DOOR SYSTEM PER SCHEDULE<br>REFER 2/ A601- SUBMIT SHOP DRGS (COLOR: CLEAR ANODIZED) |
| E-09 | INTERIOR ROOF DRAIN LOCATION BEYOND- SHOWN DASHED<br>CONNECT TO STORM WATER DRAIN PER CIVIL DRGS |
| E-10 | OVERFLOW ROOF SCUPPER- FLASH ALL AROUND-<br>COLOR TO MATCH ADJ SURFACE REFER 5&9/A305 |
| E-11 | INSULATED OVERHEAD ROLL UP DOOR (COLOR: SW-6106) |
| E-12 | INSULATED PAINTED METAL EXTERIOR DOOR (COLOR: SW-6106) |
| E-13 | EXTERIOR DECORATIVE LIGHT SCONCE PER ELECTRICAL DRGS<br>MOUNT BOTTOM OF FIXTURE AT 7'-0" A.F.F. |
| E-14 | CONTROL JOINT IN MASONRY VENEER FACE |
| E-15 | METAL PANEL JOINT LOCATION- REFER 11/A306 |
| E-16 | JAMES HARDIE LAP WALL SIDING<br>COLOR: PEARL GRAY |
| E-17 | EXTERIOR LIGHT WALL PACK PER ELECTRICAL DRGS<br>MOUNT BOTTOM OF FIXTURE AT 10'-0" A.F.F. |
| E-18 | 24X12 OUTSIDE AIR LOUVER<br>REFER ELEVATIONS & MECHANICAL DRAWINGS |
| E-19 | 36X12 RELIEF AIR LOUVER.<br>REFER ELEVATIONS & MECHANICAL DRAWINGS |
| E-20 | CMU SILL TRIM PIECE |
| E-21 | LINE OF SLOPING MEMBRANE ROOF BEYOND (1/4"/1'-0") |
| E-22 | CONDENSING UNIT LOCATIONS SHOWN DASHED IN ELEVATIONS |
| E-23 | KNOX BOX AS PER FIRE MARSHALL |




2 A201 NORTH ELEVATION
SCALE: 3/32"=1'-0"

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SHEET NO.
A201
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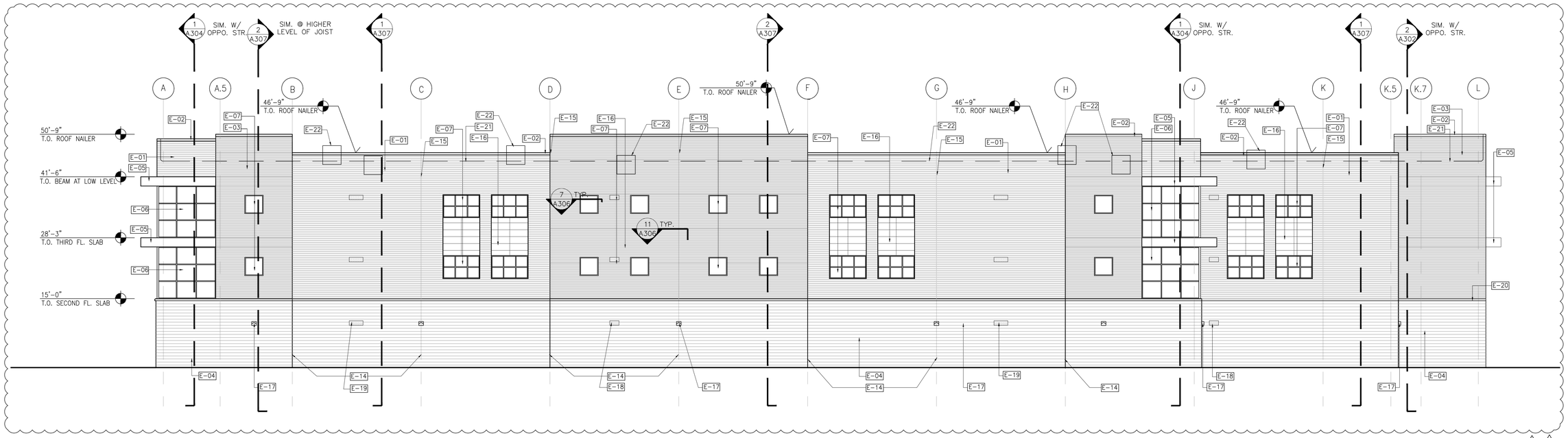
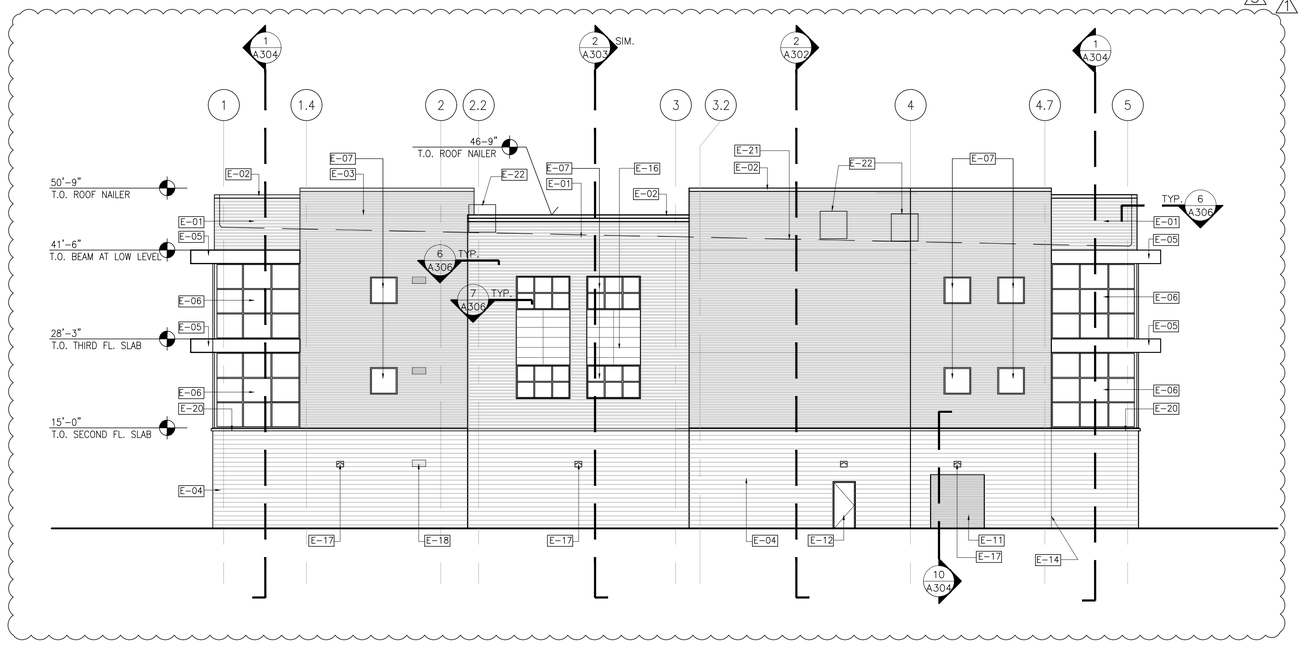



1 A202 WEST ELEVATION
SCALE: 3/32"=1'-0"




2 A202 SOUTH ELEVATION
SCALE: 3/32"=1'-0"

| EXTERIOR ELEVATION NOTES | |
|---|---|
| E-01 | PREFINISHED MBCI MASTERLINE-16 WALL PANEL SYSTEM<br>-COLOR-P1 (SLATE GRAY)<br>SUBMIT SHOP DRGS. |
| E-02 | PREFINISHED METAL COPING TO MATCH MBCI WALL PANEL<br>COLOR: SLATE GRAY |
| E-03 | KING SIZE BRICK VENEER-<br>KANSAS BRICK & TILE COMPANY<br>COLOR-OLD CHEYENNE |
| E-04 | CMU BLOCK VENEER BY BUILDERS EQUIPMENT AND SUPPLY<br>"BLANCO" OR EQUAL BURNISHED FINISH |
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| E-07 | KAWNEER TRI-FAB STOREFRONT 451 WINDOWS (COLOR: CLEAR ANODIZED)<br>REFER 1/A601<br>SUBMIT SHOP DRGS. |
| E-08 | AUTOMATIC SLIDING STOREFRONT DOOR SYSTEM PER SCHEDULE<br>REFER 2/ A601- SUBMIT SHOP DRGS (COLOR: CLEAR ANODIZED) |
| E-09 | INTERIOR ROOF DRAIN LOCATION BEYOND- SHOWN DASHED<br>CONNECT TO STORM WATER DRAIN PER CIVIL DRGS |
| E-10 | OVERFLOW ROOF SCUPPER- FLASH ALL AROUND-<br>COLOR TO MATCH ADJ SURFACE REFER 5&9/A305 |
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SHEET NO.
A202
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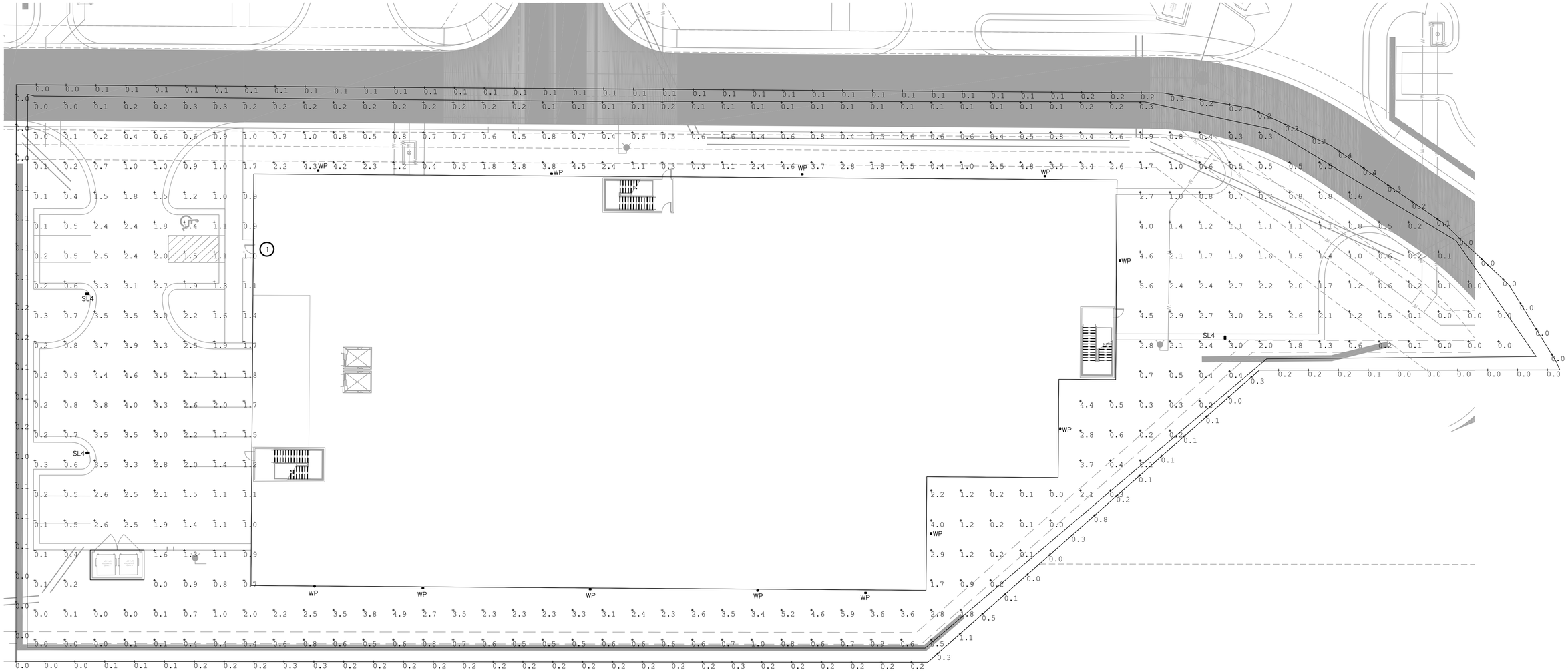


NORTH

# 1 ELECTRICAL SITE PLAN

SCALE: 1/16"=1'-0"

ALL EXTERIOR FIXTURES ARE APPROVED FIXTURES LISTED BY THE INTERNATIONAL DARK SKY ASSOCIATION.

ALL ADJACENT PROPERTIES ARE COMMERCIAL.

## GENERAL NOTES:

A. REFER TO E0.1 FOR GENERAL NOTES.

B. THIS PLAN IS FOR PHOTOMETRIC INFORMATION ONLY AND IS NOT TO BE USED FOR FIXTURE QUANTITY OR EXACT LOCATIONS. REFER TO E1.0 AND E1.1 FOR ADDITIONAL INFORMATION.

## NOTES BY SYMBOL (X) :

1. ADDITIONAL EXTERIOR LIGHT FIXTURES TYPE 'E' ARE NOT INCLUDED AS THEY HAVE NO EFFECT ON THE PHOTOMETRIC. HOWEVER, FIXTURES ARE IDA APPROVED, REFER TO CUT SHEETS FOR ADDITIONAL INFORMATION.

Luminaire Schedule

| Symbol | Qty | Label | Arrangement | Total Lamp Lumens | Description |
|---|---|---|---|---|---|
| | 3 | SL4 | SINGLE | N.A. | GLEON-AF-02-LED-E1-SL4-7030 |
| | 12 | WP | SINGLE | N.A. | TRP1-12L30-3K7-2 |

Luminaire Location Summary

| LumNo | Label | Z | Tilt |
|---|---|---|---|
| 1 | SL4 | 22 | 0 |
| 2 | SL4 | 22 | 0 |
| 3 | SL4 | 22 | 0 |
| 4 | WP | 10 | 0 |
| 5 | WP | 10 | 0 |
| 6 | WP | 10 | 0 |
| 7 | WP | 10 | 0 |
| 8 | WP | 10 | 0 |
| 9 | WP | 10 | 0 |
| 10 | WP | 10 | 0 |
| 11 | WP | 10 | 0 |
| 12 | WP | 10 | 0 |
| 13 | WP | 10 | 0 |
| 14 | WP | 10 | 0 |
| 15 | WP | 10 | 0 |

Calculation Summary

| Label | CalcType | Units | Avg | Max | Min |
|---|---|---|---|---|---|
| General | Illuminance | Fc | 1.30 | 5.9 | 0.0 |
| Property Line | Illuminance | Fc | 0.14 | 1.1 | 0.0 |

DATE: 03/29/19
REVISION#: 3

# Climate Controlled Storage Warehouse

1410 NE DOUGLAS, LEE'S SUMMIT, MISSOURI-64086

JARRET L. RICE
NUMBER PE-2013013008
PROFESSIONAL ENGINEER
03.26.19

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MO. FIRM REG. NUMBER 2015038451 WWW.CHOICE.ENGINEERING



SHEET NO.
E3.0
OF

# FIXTURE TYPE SL4

## McGraw-Edison

| | | |
|---|---|---|
| **Catalog #** | | **Type** |
| **Project** | | |
| **Comments** | | **Date** |
| **Prepared by** | | |

### DESCRIPTION

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/cUL Listed for wet locations.

### SPECIFICATION FEATURES

**Construction**
Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

**Optics**
Patented, high-efficiency injection-molded AccuLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT 70 CRI. Optional 3000K, 5000K and 6000K CCT.

**Electrical**
LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 600mA, 800mA and 1200mA drive currents (nominal).

**Mounting**
STANDARD ARM MOUNT: Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA extended arm may be required. Refer to the arm mounting requirement table. Round pole adapter included. For wall mounting, specify wall mount bracket option. QUICK MOUNT ARM: Adapter is bolted directly to the pole. Quick mount arm slide into place on the adapter and is secured via two screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

**Finish**
Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

**Warranty**
Five-year warranty.

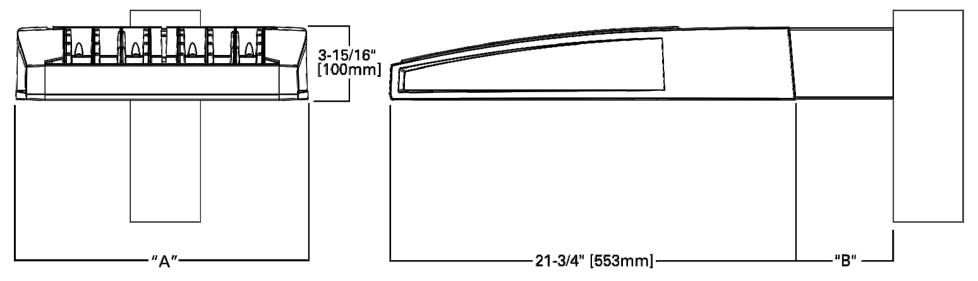
**GLEON**
GALLEON LED

**1-10 Light Squares**
**Solid State LED**

**AREA/SITE LUMINAIRE**

LumenSafe Technology
CLICK HERE

### DIMENSIONS



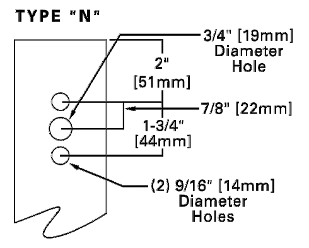
### DIMENSION DATA

| Number of Light Squares | "A" Width | "B" Standard Arm Length | "B" Optional Arm Length[1] | Weight with Arm (lbs.) | EPA with Arm[2] (Sq. Ft.) |
|---|---|---|---|---|---|
| 1-4 | 15-1/2" (394mm) | 7" (178mm) | 10" (254mm) | 33 (15.0 kgs.) | 0.96 |
| 5-6 | 21-5/8" (549mm) | 7" (178mm) | 10" (254mm) | 44 (20.0 kgs.) | 1.00 |
| 7-8 | 27-5/8" (702mm) | 7" (178mm) | 13" (330mm) | 54 (24.5 kgs.) | 1.07 |
| 9-10 | 33-3/4" (857mm) | 7" (178mm) | 16" (406mm) | 63 (28.6 kgs.) | 1.12 |

NOTES: 1. Optional arm length to be used when mounting two fixtures at 90° on a single pole. 2. EPA calculated with optional arm length.

### DRILLING PATTERN

TYPE "N"



### CERTIFICATION DATA

UL/cUL Wet Location Listed
ISO 9001
LM79 / LM80 Compliant
3G Vibration Rated
IP66 Rated
DesignLights Consortium® Qualified*

### ENERGY DATA

**Electronic LED Driver**
>0.9 Power Factor
<20% Total Harmonic Distortion
120V-277V 50/60Hz
347V & 480V 60Hz
-40°C Min. Temperature
40°C Max. Temperature
50°C Max. Temperature (HA Option)

*www.designlights.org

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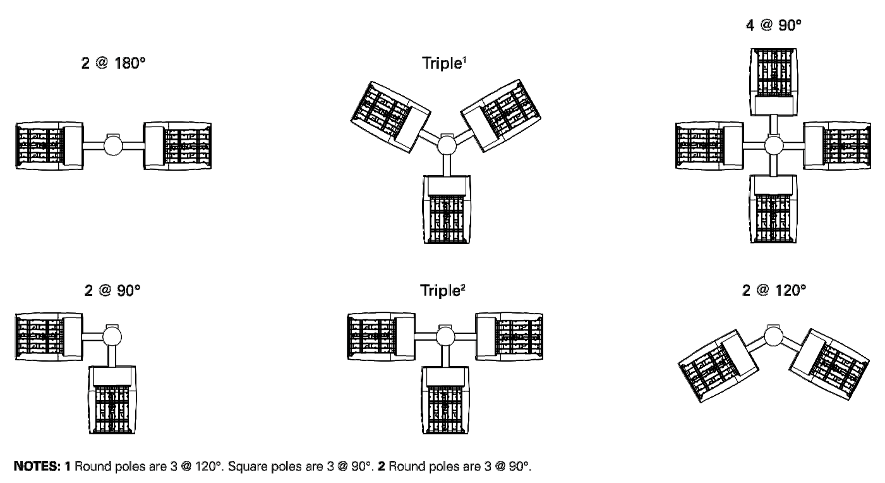
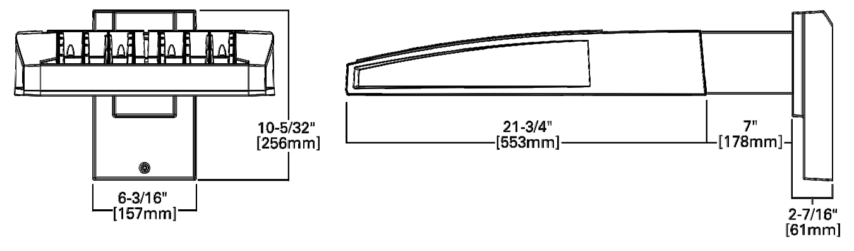
### ARM MOUNTING REQUIREMENTS

| Configuration | 90° Apart | 120° Apart |
|---|---|---|
| GLEON-AF-01 | 7" Arm (Standard) | 7" Arm (Standard) |
| GLEON-AF-02 | 7" Arm (Standard) | 7" Arm (Standard) |
| GLEON-AF-03 | 7" Arm (Standard) | 7" Arm (Standard) |
| GLEON-AF-04 | 7" Arm (Standard) | 7" Arm (Standard) |
| GLEON-AF-05 | 10" Extended Arm (Required) | 7" Arm (Standard) |
| GLEON-AF-06 | 10" Extended Arm (Required) | 7" Arm (Standard) |
| GLEON-AF-07 | 13" Extended Arm (Required) | 13" Extended Arm (Required) |
| GLEON-AF-08 | 13" Extended Arm (Required) | 13" Extended Arm (Required) |
| GLEON-AF-09 | 16" Extended Arm (Required) | 16" Extended Arm (Required) |
| GLEON-AF-10 | 16" Extended Arm (Required) | 16" Extended Arm (Required) |

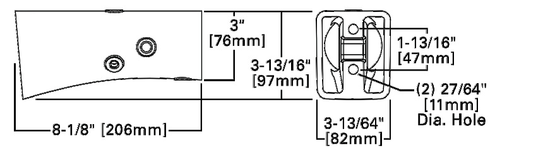


NOTES: 1 Round poles are 3 @ 120°. Square poles are 3 @ 90°. 2 Round poles are 3 @ 90°.

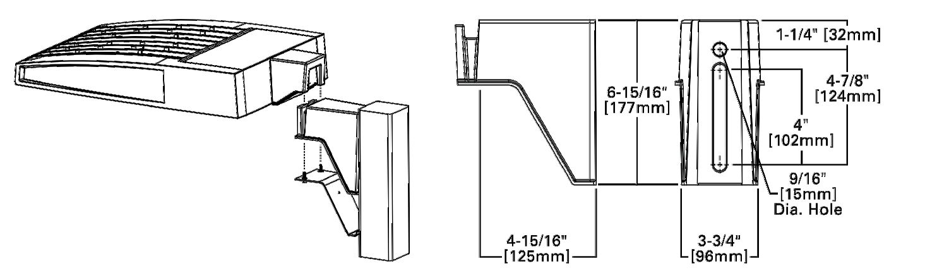
### STANDARD WALL MOUNT

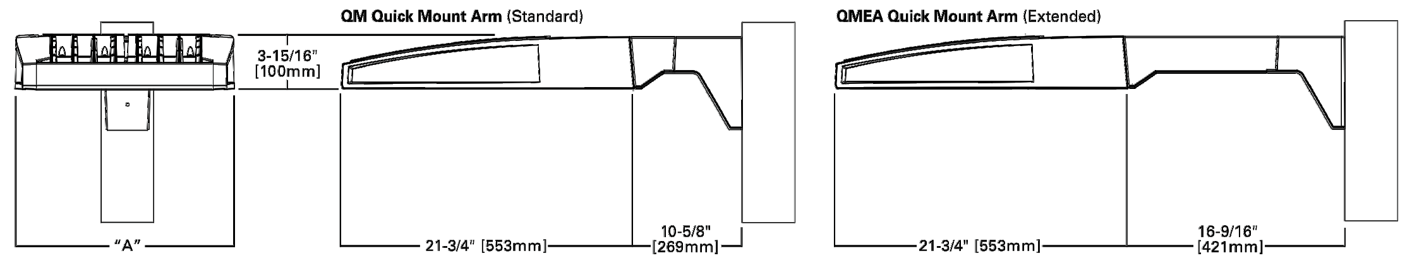


### MAST ARM MOUNT



### QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)





### QUICK MOUNT ARM DATA

| Number of Light Squares[1,2] | "A" Width | Weight with QM Arm (lbs.) | Weight with QMEA Arm (lbs.) | EPA (Sq. Ft.) |
|---|---|---|---|---|
| 1-4 | 15-1/2" (394mm) | 35 (15.91 kgs.) | 38 (17.27 kgs.) | 1.11 |
| 5-6[3] | 21-5/8" (549mm) | 46 (20.91 kgs.) | 49 (22.27 kgs.) | |
| 7-8 | 27-5/8" (702mm) | 56 (25.45 kgs.) | 59 (26.82 kgs.) | |

NOTES: 1 QM option available with 1-8 light square configurations. 2 QMEA option available with 1-6 light square configurations. 3 QMEA arm to be used when mounting two fixtures at 90° on a single pole.

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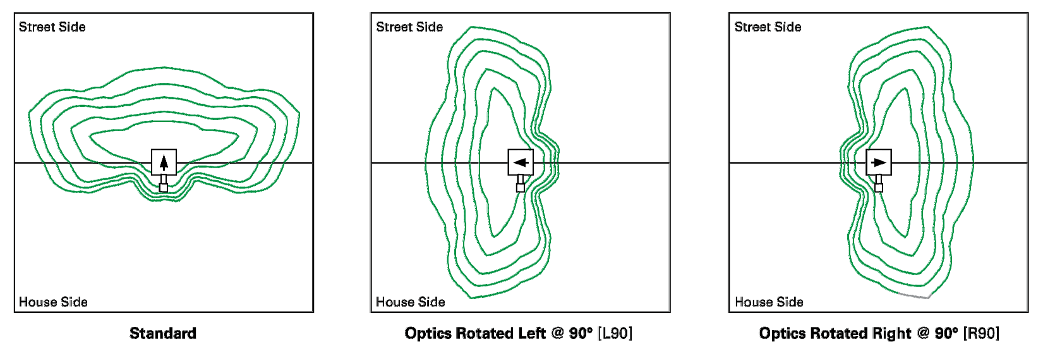
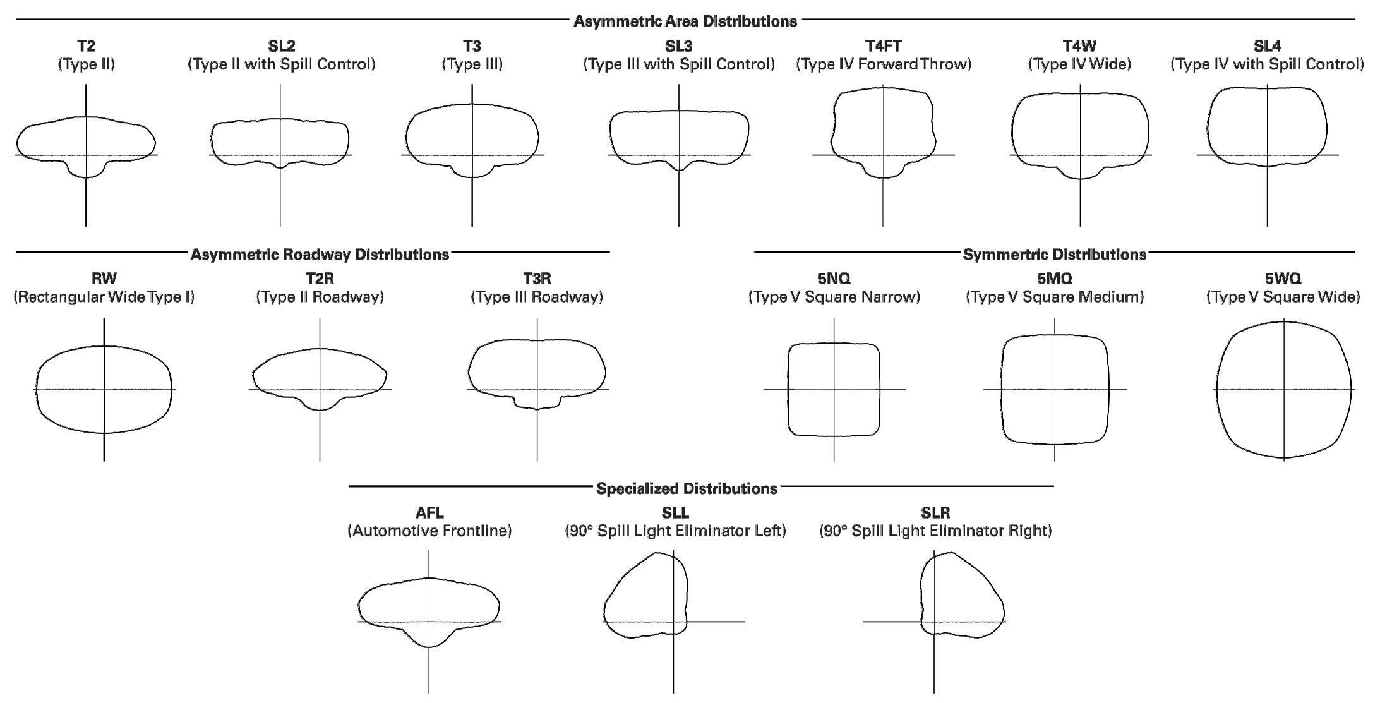
### OPTIC ORIENTATION

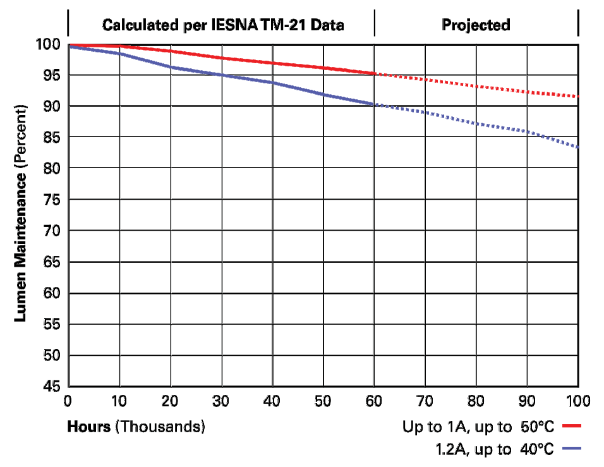


### OPTICAL DISTRIBUTIONS



### LUMEN MAINTENANCE

| Drive Current | Ambient Temperature | TM-21 Lumen Maintenance (60,000 Hours) | Projected L70 (Hours) |
|---|---|---|---|
| Up to 1A | Up to 50°C | > 95% | 416,000 |
| 1.2A | Up to 40°C | > 90% | 205,000 |



### LUMEN MULTIPLIER

| Ambient Temperature | Lumen Multiplier |
|---|---|
| 0°C | 1.02 |
| 10°C | 1.01 |
| 25°C | 1.00 |
| 40°C | 0.99 |
| 50°C | 0.97 |

---

### NOMINAL POWER LUMENS (1A)

| Number of Light Squares | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nominal Power (Watts) | | 59 | 113 | 166 | 225 | 279 | 333 | 391 | 445 | 501 | 558 |
| Input Current @ 120V (A) | | 0.51 | 1.02 | 1.53 | 2.03 | 2.55 | 3.06 | 3.56 | 4.08 | 4.60 | 5.07 |
| Input Current @ 208V (A) | | 0.29 | 0.56 | 0.82 | 1.11 | 1.37 | 1.64 | 1.93 | 2.19 | 2.46 | 2.75 |
| Input Current @ 240V (A) | | 0.26 | 0.48 | 0.71 | 0.96 | 1.19 | 0.41 | 1.67 | 1.89 | 2.12 | 2.39 |
| Input Current @ 277V (A) | | 0.23 | 0.42 | 0.61 | 0.83 | 1.03 | 1.23 | 1.45 | 1.65 | 1.84 | 2.09 |
| Input Current @ 347V (A) | | 0.17 | 0.32 | 0.50 | 0.64 | 0.82 | 1.00 | 1.14 | 1.32 | 1.50 | 1.68 |
| Input Current @ 480V (A) | | 0.14 | 0.24 | 0.37 | 0.48 | 0.61 | 0.75 | 0.91 | 0.99 | 1.12 | 1.28 |
| Optics | | | | | | | | | | | |
| T2 | 4000K/5000K Lumens | 6,256 | 12,225 | 18,242 | 24,104 | 29,865 | 35,739 | 42,265 | 47,888 | 53,420 | 59,144 |
| | 3000K Lumens | 5,915 | 11,559 | 17,248 | 22,789 | 28,236 | 33,790 | 39,960 | 45,277 | 50,506 | 55,919 |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G4 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| T2R | 4000K/5000K Lumens | 6,642 | 12,979 | 19,366 | 25,589 | 31,705 | 37,941 | 44,870 | 50,840 | 56,711 | 62,789 |
| | 3000K Lumens | 6,280 | 12,271 | 18,311 | 24,193 | 29,976 | 35,872 | 42,423 | 48,068 | 53,619 | 59,365 |
| | BUG Rating | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| T3 | 4000K/5000K Lumens | 6,377 | 12,461 | 18,593 | 24,568 | 30,439 | 36,426 | 43,077 | 48,810 | 54,447 | 60,282 |
| | 3000K Lumens | - | - | - | - | - | - | - | - | - | - |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| T3R | 4000K/5000K Lumens | 6,518 | 12,739 | 19,006 | 25,113 | 31,116 | 37,235 | 44,036 | 49,895 | 55,658 | 61,622 |
| | 3000K Lumens | 6,029 | 11,781 | 17,579 | 23,229 | 28,779 | 34,440 | 40,729 | 46,148 | 51,478 | 56,995 |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| T4FT | 4000K/5000K Lumens | 6,414 | 12,533 | 18,702 | 24,710 | 30,616 | 36,637 | 43,328 | 49,093 | 54,763 | 60,631 |
| | 3000K Lumens | 6,064 | 11,849 | 17,681 | 23,363 | 28,946 | 34,638 | 40,966 | 46,417 | 51,776 | 57,325 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B2-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| T4W | 4000K/5000K Lumens | 6,331 | 12,372 | 18,459 | 24,391 | 30,221 | 36,163 | 42,769 | 48,459 | 54,056 | 59,849 |
| | 3000K Lumens | 5,986 | 11,697 | 17,452 | 23,061 | 28,572 | 34,192 | 40,436 | 45,817 | 51,108 | 56,585 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| SL2 | 4000K/5000K Lumens | 6,245 | 12,205 | 18,212 | 24,062 | 29,813 | 35,677 | 42,192 | 47,807 | 53,326 | 59,042 |
| | 3000K Lumens | 5,904 | 11,539 | 17,218 | 22,750 | 28,187 | 33,732 | 39,891 | 45,199 | 50,418 | 55,822 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| SL3 | 4000K/5000K Lumens | 6,376 | 12,460 | 18,591 | 24,564 | 30,436 | 36,421 | 43,072 | 48,803 | 54,439 | 60,273 |
| | 3000K Lumens | 6,028 | 11,780 | 17,578 | 23,224 | 28,776 | 34,435 | 40,723 | 46,141 | 51,471 | 56,986 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| SL4 | 4000K/5000K Lumens | 6,058 | 11,838 | 17,664 | 23,340 | 28,918 | 34,605 | 40,924 | 46,370 | 51,727 | 57,269 |
| | 3000K Lumens | 5,727 | 11,193 | 16,701 | 22,067 | 27,341 | 32,718 | 38,692 | 43,841 | 48,906 | 54,146 |
| | BUG Rating | B1-U0-G2 | B1-U0-G3 | B2-U0-G4 | B2-U0-G4 | B2-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 |
| 5NQ | 4000K/5000K Lumens | 6,577 | 12,851 | 19,176 | 25,336 | 31,392 | 37,566 | 44,426 | 50,337 | 56,151 | 62,170 |
| | 3000K Lumens | 6,218 | 12,151 | 18,131 | 23,955 | 29,680 | 35,517 | 42,003 | 47,592 | 53,089 | 58,779 |
| | BUG Rating | B2-U0-G1 | B3-U0-G2 | B4-U0-G2 | B4-U0-G2 | B5-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 |
| 5MQ | 4000K/5000K Lumens | 6,697 | 13,088 | 19,528 | 25,803 | 31,970 | 38,258 | 45,243 | 51,264 | 57,185 | 63,313 |
| | 3000K Lumens | 6,332 | 12,374 | 18,463 | 24,395 | 30,227 | 36,171 | 42,776 | 48,468 | 54,066 | 59,861 |
| | BUG Rating | B3-U0-G1 | B4-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 |
| 5WQ | 4000K/5000K Lumens | 6,715 | 13,122 | 19,580 | 25,871 | 32,055 | 38,360 | 45,365 | 51,401 | 57,337 | 63,482 |
| | 3000K Lumens | 6,348 | 12,406 | 18,513 | 24,461 | 30,307 | 36,268 | 42,891 | 48,599 | 54,210 | 60,021 |
| | BUG Rating | B3-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 |
| SLL/SLR | 4000K/5000K Lumens | 5,604 | 10,949 | 16,337 | 21,586 | 26,745 | 32,004 | 37,850 | 42,886 | 47,838 | 52,965 |
| | 3000K Lumens | 5,298 | 10,351 | 15,446 | 20,409 | 25,287 | 30,258 | 35,786 | 40,547 | 45,229 | 50,077 |
| | BUG Rating | B1-U0-G2 | B1-U0-G3 | B2-U0-G3 | B2-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 |
| RW | 4000K/5000K Lumens | 6,517 | 12,735 | 19,002 | 25,107 | 31,109 | 37,227 | 44,025 | 49,883 | 55,644 | 61,607 |
| | 3000K Lumens | 6,162 | 12,040 | 17,965 | 23,738 | 29,413 | 35,197 | 41,623 | 47,163 | 52,609 | 58,247 |
| | BUG Rating | B3-U0-G1 | B3-U0-G2 | B4-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 |
| AFL | 4000K/5000K Lumens | 6,541 | 12,781 | 19,072 | 25,199 | 31,221 | 37,362 | 44,185 | 50,065 | 55,846 | 61,831 |
| | 3000K Lumens | 6,184 | 12,084 | 18,032 | 23,825 | 29,519 | 35,325 | 41,775 | 47,334 | 52,801 | 58,459 |
| | BUG Rating | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B3-U0-G2 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B4-U0-G4 | B4-U0-G4 |

* Nominal data for 70 CRI.

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### CONTROL OPTIONS

**0-10V** (DIM)
This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

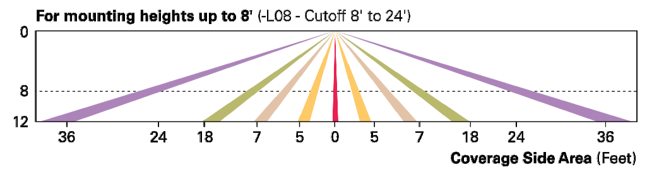
**Photocontrol** (P, R and PER7)
Optional button-type photocontrol (P) and photocontrol receptacles (R and PER7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

**After Hours Dim** (AHD)
This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

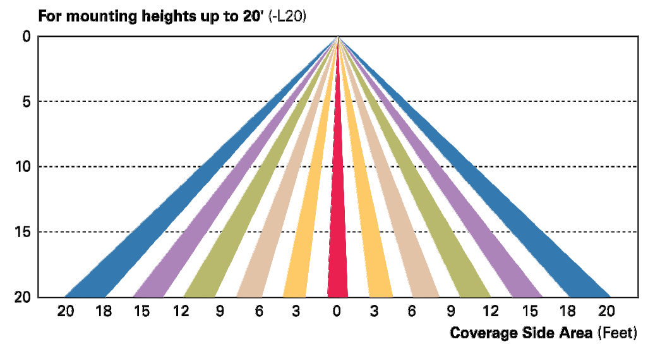
**Dimming Occupancy Sensor** (MS/DIM-LXX, MS/X-LXX and MS-LXX)
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for "dusk-to-dawn" control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lens are available to optimize the coverage. pattern for mounting heights from 8'-40'.

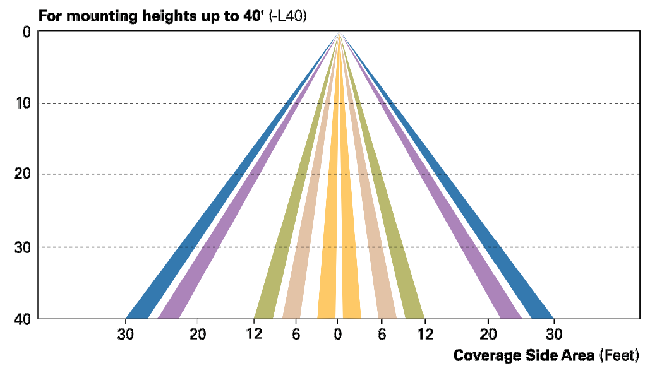
**For mounting heights up to 8'** (-L08 - Cutoff 8' to 24')



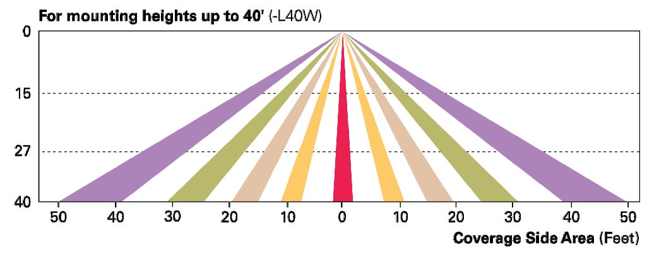
**For mounting heights up to 20'** (-L20)



**For mounting heights up to 40'** (-L40)

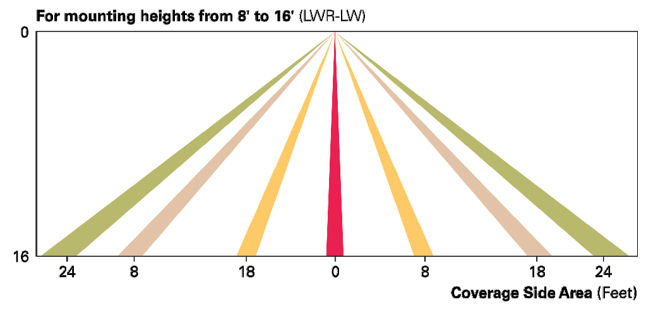


**For mounting heights up to 40'** (-L40W)

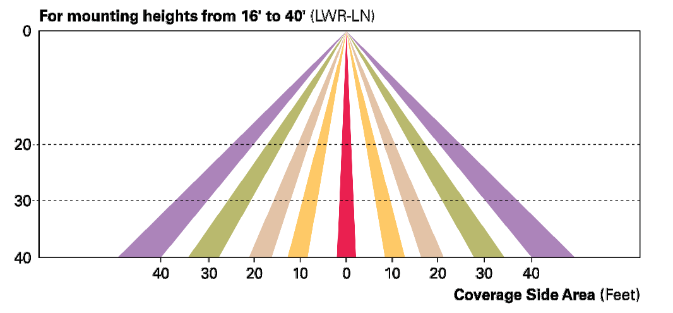


**LumaWatt Pro Wireless Control and Monitoring System** (LWR-LW and LWR-LN)
The Eaton's LumaWatt Pro powered by Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.

**For mounting heights from 8' to 16'** (LWR-LW)



**For mounting heights from 16' to 40'** (LWR-LN)



**WaveLinx Wireless Outdoor Lighting Control Module** (WOLC-7P-10A)
The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

**LumenSafe Integrated Network Security Camera** (LD)
Eaton brings ease of camera deployment to a whole new level. No additional wiring is needed beyond providing line power to the luminaire. A variety of networking options allows security integrators to design the optimal solution for active surveillance. As the ideal solution to meet the needs for active surveillance, the LumenSafe integrated network camera is a streamlined, outdoor-ready fixed dome that provides HDTV 1080p video. This IP camera is optimally designed for deployment in the video management system or security software platform of choice.

---

### ORDERING INFORMATION

**Sample Number:** GLEON-AF-04-LED-E1-T3-GM-QM

| Product Family[1,2] | Light Engine | Number of Light Squares[3] | Lamp Type | Voltage | Distribution | Color | Mounting |
|---|---|---|---|---|---|---|---|
| [✓ GLEON=Galleon] | [✓ AF=1A Drive Current] | 01=1<br>[✓ 02=2]<br>03=3<br>04=4<br>05=5[4]<br>06=6<br>07=7[5]<br>08=8[5]<br>09=9[6]<br>10=10[6] | LED=Solid State Light Emitting Diodes | [✓ E1=120-277V]<br>347=347V[7]<br>480=480V[7,8] | T2=Type II<br>T2R=Type II Roadway<br>T3=Type III<br>T3R=Type III Roadway<br>T4FT=Type IV Forward Throw<br>T4W=Type IV Wide<br>5NQ=Type V Narrow<br>5MQ=Type V Square Medium<br>5WQ=Type V Square Wide<br>[✓ SL2=Type II w/Spill Control]<br>SL3=Type III w/Spill Control<br>SL4=Type IV w/Spill Control<br>SLL=90° Spill Light Eliminator Left<br>SLR=90° Spill Light Eliminator Right<br>RW=Rectangular Wide Type I<br>AFL=Automotive Frontline | AP=Grey<br>BZ=Bronze<br>BK=Black<br>DP=Dark Platinum<br>GM=Graphite Metallic<br>WH=White | [Blank]=Arm for Round or Square Pole<br>EA=Extended Arm[9]<br>MA=Mast Arm Adapter[10]<br>WM=Wall Mount<br>QM=Quick Mount Arm (Standard Length)[11]<br>QMEA=Quick Mount Arm (Extended Length)[12] |

**Options** (Add as Suffix)

**7027**=70 CRI 2700K[13]
**7030**=70 CRI 3000K[13]
**8030**=80 CRI 3000K[14]
**7050**=70 CRI 5000K[13]
**7060**=70 CRI 6000K[13]
**600**=Drive Current Factory Set to Nominal 600mA[15]
**800**=Drive Current Factory Set to Nominal 800mA[15]
**1200**=Drive Current Factory Set to Nominal 1200mA[15,16]
**F**=Single Fuse (120, 277 or 347V. Must Specify Voltage)
**FF**=Double Fuse (208, 240 or 480V. Must Specify Voltage)
**2L**=Two Circuits[17,18]
**DIM**=External 0-10V Dimming Leads[19,20]
**P**=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Volatage)[21]
**PER7**=NEMA 7-PIN Twistlock Photocontrol Receptacle[21]
**R**=NEMA Twistlock Photocontrol Receptacle[21]
**AHD145**=After Hours Dim, 5 Hours[22]
**AHD245**=After Hours Dim, 6 Hours[22]
**AHD255**=After Hours Dim, 7 Hours[22]
**AHD355**=After Hours Dim, 8 Hours[22]
**HA**=50°C High Ambient[23]
**MS/DIM-L08**=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height[24,25]
**MS/DIM-L20**=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height[24,26]
**MS/DIM-L40**=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height[24,27]
**MS/DIM-L40W**=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height (Wide Range)[24,28]
**MS/X-L08**=Bi-Level Motion Sensor, Maximum 8' Mounting Height[24,26,29]
**MS/X-L20**=Bi-Level Motion Sensor, 9' - 20' Mounting Height[24,26,29]
**MS/X-L40**=Bi-Level Motion Sensor, 21' - 40' Mounting Height[22,27,29]
**MS/X-L40W**=Bi-Level Motion Sensor, 21' - 40' Mounting Height (Wide Range)[24,28,29]
**MS-L08**=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height[24,25]
**MS-L20**=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height[24,26]
**MS-L40**=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height[24,27]
**MS-L40W**=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height (Wide Range)[24,28]
**LWR-LW**=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height[30]
**LWR-LN**=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height[30]
**L90**=Optics Rotated 90° Left
**R90**=Optics Rotated 90° Right
**MT**=Factory Installed Mesh Top
**TH**=Tool-less Door Hardware
**LCF**=Light Square Trim Plate Painted to Match Housing[31]
**HSS**=Factory Installed House Side Shield[32]
**CE**=CE Marking[33]

**Accessories** (Order Separately)

**OA/RA1016**=NEMA Photocontrol Multi-Tap - 105-285V
**OA/RA1027**=NEMA Photocontrol - 480V
**OA/RA1201**=NEMA Photocontrol - 347V
**OA/RA1013**=Photocontrol Shorting Cap
**OA/RA1014**=120V Photocontrol
**MA1252**=10kV Surge Module Replacement
**MA1036-XX**=Single Tenon Adapter for 2-3/8" O.D. Tenon
**MA1037-XX**=2@180° Tenon Adapter for 2-3/8" O.D. Tenon
**MA1197-XX**=3@120° Tenon Adapter for 2-3/8" O.D. Tenon
**MA1188-XX**=4@90° Tenon Adapter for 2-3/8" O.D. Tenon
**MA1189-XX**=2@90° Tenon Adapter for 2-3/8" O.D. Tenon
**MA1190-XX**=3@90° Tenon Adapter for 2-3/8" O.D. Tenon
**MA1191-XX**=2@120° Tenon Adapter for 2-3/8" O.D. Tenon
**MA1038-XX**=Single Tenon Adapter for 3-1/2" O.D. Tenon
**MA1039-XX**=2@180° Tenon Adapter for 3-1/2" O.D. Tenon
**MA1192-XX**=3@120° Tenon Adapter for 3-1/2" O.D. Tenon
**MA1193-XX**=4@90° Tenon Adapter for 3-1/2" O.D. Tenon
**MA1194-XX**=2@90° Tenon Adapter for 3-1/2" O.D. Tenon
**MA1195-XX**=3@90° Tenon Adapter for 3-1/2" O.D. Tenon
**FSIR-100**=Wireless Configuration Tool for Occupancy Sensor[24]
**GLEON-MT1**=Field Installed Mesh Top for 1-4 Light Squares
**GLEON-MT2**=Field Installed Mesh Top for 5-6 Light Squares
**GLEON-MT3**=Field Installed Mesh Top for 7-8 Light Squares
**GLEON-MT4**=Field Installed Mesh Top for 9-10 Light Squares
**GLEON-QM**=Quick Mount Arm Kit[10]
**GLEON-QMEA**=Quick Mount Extended Arm Kit[11]
**LS/HSS**=Field Installed House Side Shield[32,33]
**WOLC-7P-10A**=WaveLinx Outdoor Control Module (7-pin)[35]

**NOTES:**
**1** Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. **2** DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. **3** Standard 4000K CCT and minimum 70 CRI. **4** Not compatible with MS/4-LXX or MS/1-LXX sensors. **5** Not compatible with extended quick mount arm (QMEA). **6** Not compatible with standard quick mount arm (QM) or extended quick mount arm (QMEA). **7** Requires the use of an internal step down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A. **8** Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). **9** May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table. **10** Factory installed. **11** Maximum 8 light squares. **12** Maximum 6 light squares.
**13** Extended lead times apply. Use dedicated IES files for 2700K, 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. **14** Extended lead times
apply. Use dedicated IES files for 2700K, 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. **15** 1 Amp standard. Use dedicated IES files for 600mA, 800mA and 1200mA when performing layouts. These files are published on the Galleon luminaire product page on the website. **16** Not available with HA option. **17** 2L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2L in AF-02 through AF-04 requires a larger housing, normally used for AF-05 or AF-06. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table. **18** Not available with LumaWatt Pro wireless sensors. **19** Cannot be used with other control options. **20** Low voltage control lead brought out 18" outside fixture. **21** Not available if any "MS" sensor is selected. Motion sensor has an integral photocell. **22** Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information. **23** 50°C lumen maintenance data applies to 600mA, 800mA and 1A drive currents. **24** The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information. **25** Approximately 22' detection diameter at 8' mounting height. **26** Approximately 40' detection diameter at 20' mounting height. **27** Approximately 60' detection diameter at 40' mounting height. **28** Approximately 100' detection diameter at 40' mounting height. **29** Replace X with number of Light Squares operating in low output mode. **30** LumaWatt Pro wireless sensors are factory installed only requiring network components LWP-EM-1, LWP-GW-1 and LWP-PoE8 in appropriate quantities. See www.eaton.com/lighting for LumaWatt Pro application information. **31** Not available with house side shield (HSS). **32** Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected. **33** CE is not available with the LWR, MS, MS/X, MS/DIM, P, R or PER7 options. Available in 120-277V only. **34** One required for each Light Square. **35** Requires 7-pin NEMA twistlock photocontrol receptacle. The WOLC-7 cannot be used in conjunction with additional sensors or controls.

**LumenSafe Integrated Network Security Camera Technology Options** (Add as Suffix)

| Product Family | Camera Type | Data Backhaul |
|---|---|---|
| L=LumenSafe Technology*<br>LumenSafe Technology<br>CLICK HERE | D=Dome Camera | C=Cellular, Customer Installed SIM Card<br>A=Cellular, Factory Installed AT&T SIM Card<br>V=Cellular, Factory Installed Verizon SIM Card<br>S=Cellular, Factory Installed Sprint SIM Card<br>R=Cellular, Factory Installed Rogers SIM Card<br>W=Wi-Fi Networking w/ Omni-Directional Antenna<br>E=Ethernet Networking |

*Consult LumenSafe system pages for additional details and compatibility. Not available with 9-10 light square housing. Not available with 347V, 480V or high ambient options.

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MO. FIRM REG. NUMBER [illegible] WWW.CHOICE.ENGINEERING
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DATE: 03/29/19
REVISION#: 3

# Climate Controlled Storage Warehouse

1410 NE DOUGLAS, LEE'S SUMMIT, MISSOURI-64086

JARRET L. RICE
NUMBER PE-2015013008
03.26.19

ROBERT W. KELLY
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FORT WORTH, TEXAS 76104
817-332-5014
Bob@rwk-architecture.com

3

SHEET NO.
E3.1
OF

# FIXTURE TYPE E

thegreatoutdoors by MINKA-LAVERY

| | |
|---|---|
| Item #: 72253-66 | UPC Code: 747396078595 |
| Product Family Name: Artisan Lane | Finish: Black |
| Category: OUTDOOR WALL MOUNT | Category Type: |
| Certification: 40091156 | |
| Patents: | |
| Notes: | |

Image File Name: 72253-66.jpg

## MEASUREMENTS

| Width: | Length: | Height: | Extension: |
|---|---|---|---|
| 8.5 | | 23 | 7.5 |
| Height Adjustable: | Min Overall Height: | Max Overall Height: | Slope: |
| No | | | No |
| Wire Length: | Chain Length: | Safety Cable Included: | Net Weight: |
| 7" | | No | 9.17 |
| Canopy Width: | Canopy Height: | Canopy Length: | Center to Bottom: |
| | | | 14.88 |
| Backplate Width: | Backplate Height: | Center to Top: | |
| 6.0 | 21.5 | 8.13 | |

## LAMPING

| No. of Bulbs: | Light Type: | | | |
|---|---|---|---|---|
| 2 | MR16, GU10 HALOGEN | | | |
| Max Bulb Wattage: | Socket: | | | |
| 35 | GU10-BI-PIN, TWIST & LOCK | | | |
| Dimmable: | Ballast: | Rated Life Hours: | Photocell Included: | Bulb/LED Included: |
| Yes | | | No | N |
| Bulb/LED included: | Color Temp.: | CRI: | Initial Lumens: | Delivered Lumens: |

## SHADE / GLASS

| Description: | | Material: |
|---|---|---|
| Clear Seeded Glass | | GLASS |
| Part No.: | | Quantity: |
| G72253 | | 1 |
| Width: | Height: | Length: |
| 5.0 | 17.0 | 7.0 |

## SHIPPING

| Carton Width: | Carton Height: | Carton Length: |
|---|---|---|
| 11.5 | 25.63 | 16.38 |
| Carton Weight: | Carton Cubic Feet: | Small Package Shippable: |
| 11.616 | 2.794 | Yes |
| Master Pack Width: | Master Pack Height: | Master Pack Length: |
| | | |
| Master Pack Weight: | Master Cubic Feet: | Multi-Pack: / Master Pack: |
| | | 1 |

Dark Sky | Wet Location | ETL Intertek

**WARNING:** Handling this product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands with soap and water after installing, handling, cleaning or otherwise touching this product. For more information go to: www.P65Warnings.ca.gov.



Rev 01.03.2019 10:56 AM

# FIXTURE TYPE WP

| GEOPAK SERIES SIZE 1 LED Architectural Wallpack TRP1/RDI1/QSP1 NEW | Cat.# | | HUBBELL Outdoor Lighting |
|---|---|---|---|
| | Job | Type | Approvals |

### SPECIFICATIONS

**APPLICATIONS**
- Small sized architectural wallpacks in three stylish shapes with molded contours to accentuate building architecture. Provides excellent illumination in energy-saving LED systems.
- Back box accessory available for surface conduit application.

**Construction:**
- Housing is made from die-cast aluminum with a hinged back-plate for ease of installation and maintenance.
- The LED bezel and trim-plate are made of stainless steel.
- Five powder coat standard finishes, plus custom color options.
- Wet Location Listed to UL924 and UL1598 Standard.

**LED:**
- 12 high power LEDs delivering up to 3,000 lumens.
- Up to 118 lumens per watt
- Type II, III and IV distributions for a wide variety of applications.
- Zero uplight (U0), dark sky, neighbor friendly

**Electrical:**
- 120-277 operation, 50/60Hz
- 0-10V dimming driver standard
- 10kA surge protector
- Photocell and occupancy sensor options available for complete on/off and dimming control

**Battery Backup:**
- Intergral Battery Backup provides emergency lighting for the required 90 minute path of egress.
- Includes a long-life Lithium Iron Phosphate battery with optional battery heater for cold temperature application.
- Utilizes 4 LEDs in emergency mode with 657 lumens. Each of the 4 LEDs in emergency are designed to function independently in the unlikely event of a single LED malfunction
- Spectron® self-testing/self-diagnostic electronics are included standard
- Independent dedicated driver and LED array for battery/emergency mode operation.

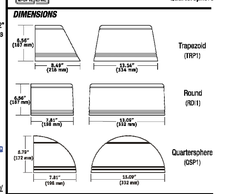
**Installation:**
- Universal plate for mounting to standard 3 1/2" and 4" square electrical boxes. All connections are made from connections at the rear of the unit.
- Optional back-box accessory available for surface conduit application. See BB-Geo accessories.

**Listings:**
- UL 1598 listed for use in wet locations
- Drivers IP66 and RoHS compliant
- DesignLights Consortium® (DLC) qualified. Please refer to the DLC website for specific product qualifications at www.designlights.org

**Warranty:**
- For more information visit: http://www.hubbelloutdoor.com/resources/warranty/

### PRODUCT IMAGE(S)


### DIMENSIONS




### SHIPPING INFORMATION

| Catalog Number | Weight (lbs) | Carton Dimensions Length inch (cm) | Width inch (cm) | Height inch (cm) |
|---|---|---|---|---|
| TRP1 | 11.5 | 17.0 | 9.9 | 10.0 |
| RDI1 | 11.5 | 18.0 | 11.0 | 9.25 |
| QSP1 | 10.5 | 17.0 | 9.9 | 10.5 |

### CERTIFICATIONS/LISTINGS

c US; *3000K and warmer CCTs only

### ORDERING INFORMATION

ORDERING EXAMPLE: TRP-12L-20-4K-3-1-BL-SCP-EH

| HOUSING | VERSION | WATTAGE | CCT/CRI | DISTRIBUTION | VOLTAGE | FINISH | CONTROL OPTIONS | OPTIONS |
|---|---|---|---|---|---|---|---|---|
| TRP1 Trapezoid | 12L 12 LEDS | 15 15 watts | 3K7 3000K, 70CRI | 2 Type II | U 120-277 | BL Black | PCO Button Photocell | P* Fusing (only available with STD fixture configuration, 120-277V only) |
| RDI1 Radius | | 20 20 watts | 4K7 4000K, 70CRI | 3 Type III | 1 120 | DB Bronze | SCP[1,2] Programmable Motion Sensor | E[1] Battery Pack (0°C) |
| QSP1 Quartersphere | | 30 30 watts | 5K7 5000K, 70CRI | 4 Type IV | 2 208 | GR Gray | 10'/CCT/ SCP HEIGHT | EH[1] Battery Pack (-30°C) with heater |
| | | | | | 3 240 | PS Platinum | | |
| | | | | | 4 277 | WH White | | |
| | | | | | | CC Custom | 8F Up to 8ft mount height | |
| | | | | | | | 20F Up to 20ft mount height | |

[1] Voltage specific (120 or 277V only)
[2] Must order minimum of one remote control to program dimming settings, 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings, 120-277V only
[3] PCO option not applicable, included in sensor
[4] Must specify input voltage (120, 208, 240 or 277)





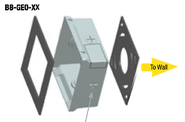
### ACCESSORIES - Order separately

| Catalog Number | Description |
|---|---|
| SCP-REMOTE[1] | Remote control for SCP option. Order at least one per project to program and control. |
| BB-GEO-XX | Back box with 4 - 1/2" threaded conduit holes, specify finish by replacing "XX" with finish selection, eg. Dark Bronze "DB" |

[1] Must order minimum of one remote control to program dimming settings, 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings, 120-277V only

BB-GEO-XX – Mounted to luminaire

BB-GEO-XX




### PERFORMANCE DATA (AC/Standard Configurations)

| # OF LEDS | DRIVE CURRENT | SYSTEM WATTS | DIST. TYPE | 5K (5000K nominal, 70 CRI) LUMENS | LPW[1] | B | U | G | 4K (4000K nominal, 70 CRI) LUMENS | LPW[1] | B | U | G | 3K (3000K nominal, 70 CRI) LUMENS | LPW[1] | B | U | G |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 350mA | 13.9 | 2 | 1633 | 118 | 1 | 1 | 1 | 1577 | 113 | 1 | 1 | 1 | 1497 | 108 | 1 | 1 | 1 |
| | | | 3 | 1613 | 116 | 1 | 0 | 1 | 1556 | 112 | 1 | 1 | 0 | 1477 | 106 | 1 | 0 | 1 |
| | | | 4 | 1607 | 116 | 0 | 0 | 1 | 1550 | 111 | 0 | 0 | 1 | 1471 | 106 | 0 | 0 | 1 |
| | 500mA | 19.9 | 2 | 2268 | 114 | 1 | 1 | 1 | 2178 | 109 | 1 | 1 | 1 | 2077 | 104 | 1 | 1 | 1 |
| | | | 3 | 2245 | 113 | 1 | 0 | 1 | 2140 | 108 | 1 | 0 | 1 | 2049 | 103 | 1 | 0 | 1 |
| | | | 4 | 2229 | 112 | 0 | 0 | 1 | 2150 | 108 | 0 | 0 | 1 | 2041 | 103 | 0 | 0 | 1 |
| | 700mA | 28.2 | 2 | 2942 | 104 | 1 | 1 | 1 | 2885 | 102 | 1 | 1 | 2 | 2721 | 96 | 1 | 1 | 1 |
| | | | 3 | 2912 | 103 | 1 | 0 | 1 | 2836 | 101 | 1 | 0 | 1 | 2685 | 95 | 1 | 0 | 1 |
| | | | 4 | 2892 | 103 | 1 | 0 | 1 | 2789 | 99 | 1 | 0 | 1 | 2674 | 95 | 1 | 0 | 1 |

### Electrical Data

**Input Power Consumption**

| Drive Current (mA) | Input Voltage (V) | System Power (w) | Current (Amps) |
|---|---|---|---|
| 350mA | 120 | 13.9 | 0.12 |
| | 277 | | 0.05 |
| 500mA | 120 | 19.9 | 0.17 |
| | 277 | | 0.07 |
| 700mA | 120 | 28.2 | 0.24 |
| | 277 | | 0.10 |

Battery backup units consume additional power during charging (maximum 32.2 watts for E, 60.7 watts for EH)

**Projected Lumen Maintenance**

| Ambient Temp. | Operating Hours 0 | 25,000 | 50,000 | 60,000 | 100,000 | TM-21-11 L70 (hours) |
|---|---|---|---|---|---|---|
| 25°C/77°F | 1.00 | 0.98 | 0.97 | 0.95 | 0.91 | >345,000 |
| 40°C/104°F | 1.00 | 0.96 | 0.95 | 0.92 | 0.87 | >268,000 |

Battery Pack (0°C)

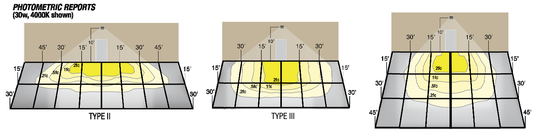
Battery Pack (-30°C) with heater

### LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

| AMBIENT TEMPERATURE | LUMEN MULTIPLIER |
|---|---|
| 0° C 32° F | 1.02 |
| 10° C 50° F | 1.01 |
| 20° C 68° F | 1.00 |
| 25° C 77° F | 1.00 |
| 30° C 86° F | 1.00 |
| 40° C 104° F | 0.99 |
| 50° C 122° F | 0.98 |

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

### PHOTOMETRIC REPORTS
(30w, 4000K shown)








DATE: 03/29/19
REVISION#: 3

Climate Controlled Storage Warehouse
1410 NE DOUGLAS, LEE'S SUMMIT, MISSOURI-64086

JARRET L. RICE NUMBER PE-2015013008 PROFESSIONAL ENGINEER
03.26.19

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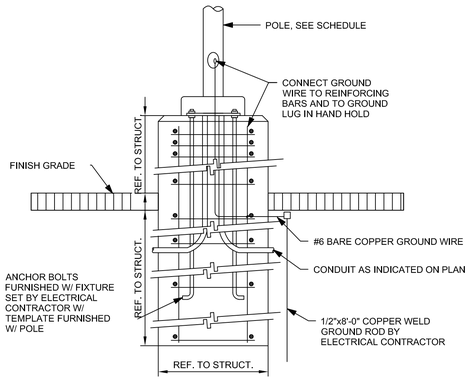
CHOICE ENGINEERING, LLC SACHSE, TEXAS PHONE: (469) 608-1268
MO. FIRM REG. NUMBER 2015038451 WWW.CHOICE ENGINEERING


SHEET NO.
E3.2
OF

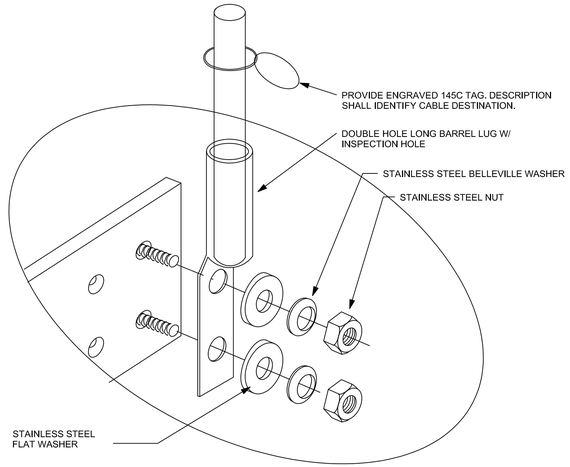



A. CONTRACTOR SHALL COORDINATE EXACT LIGHTING POLE LOCATIONS WITH NEW LANDSCAPE DRAWINGS PRIOR TO INSTALLATION. SHIFT LIGHT POLE FIXTURES AND/OR TREE TO AVOID CONFLICTS.

B. CONTRACTOR SHALL REFER TO STRUCTURAL DRAWINGS.

C. DETAIL INDICATEDS ELECTRICAL REQUIREMENTS ONLY, REFER TO ARCHITECTS DETAIL FOR ADDITIONAL INFORMATION.

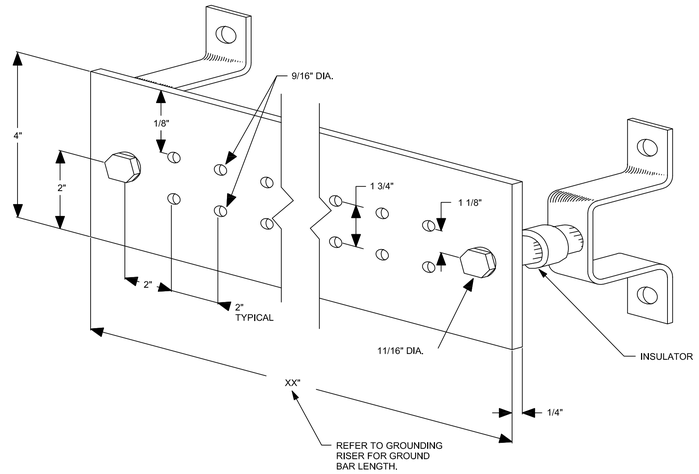
## 4 POLE BASE DETAIL
SCALE: NTS



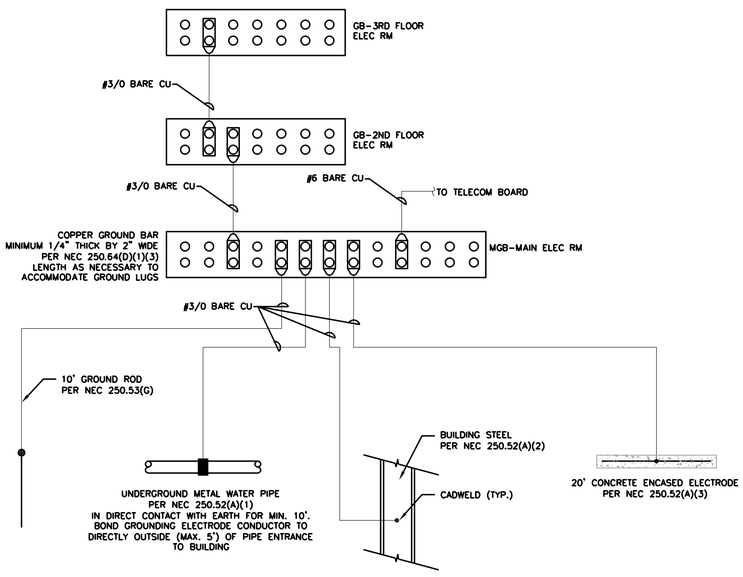

NOTES:

A. ALL CONNECTIONS TO BE DOUBLE COMPRESSION (CRIMP) TYPE. NO MECHANICAL CONNECTIONS, MINIMUM 4 CRIMPS FOR DOUBLE COMPRESSION FITTING.

## 2 GROUND BAR CONNECTION DETAIL
SCALE: NTS




## 1 GROUND BAR DETAIL
SCALE: NTS




## 3 GROUNDINGDETAIL
SCALE: NTS

### LIGHTING FIXTURE SCHEDULE

| TYPE | DESCRIPTION | MFR. & CAT. NO. | LAMPS | VOLTS | REMARKS |
|---|---|---|---|---|---|
| A | 2X4 LED | METALUX #24CZ-LD4-40-UNV-L835-CD | 33.4W LED | 277 | |
| AE | SAME AS A WITH EMERGENCY | - | - | 277 | PROVIDE EMERGENCY BATTERY PACK |
| B | 8' LED STRIP | METALUX #8-SNLED-LD4-75SL-LC-UNV-L835-CD | 65W LED | 277 | CHAIN HUNG |
| BE | SAME AS B WITH EMERGENCY | - | - | 277 | PROVIDE EMERGENCY BATTERY PACK |
| B4 | 4' LED STRIP | METALUX #4-SNLED-LD4-46SL-LC-UNV-L835-CD | 65W LED | 277 | CHAIN HUNG |
| C | LED DOWNLIGHT | HALO #PD6-20-ED10--835 | 21W LED | 277 | |
| CE | SAME AS C WITH EMERGENCY | - | - | 277 | PROVIDE EMERGENCY BATTERY PACK |
| DE | LED STAIRWELL FIXTURE | METALUX #4-SNLED-LD4-75SL-LC-UNV-L835-CD | | 277 | PROVIDE EMERGENCY BATTERY PACK |
| E | EXTERIOR SCONCE | 3 MINKA #72253-66 ARTISAN LANE | (2) 35W MR16 | 277 | |
| F | LED DOWNLIGHT | HALO LIGHTING #LD6-10-D010-835 | 13W LED | 277 | |
| G | LED SCONCE | LIGHTWAY #OTBW-LED-277-13-3-DIM | 13W LED | 277 | |
| H | LED UTILITY STRIP | METALUX #4-SNLED-LD4-75SL-LC-UNV-L835-CD | | 277 | |
| HE | SAME AS H WITH EMERGENCY | - | - | 277 | PROVIDE EMERGENCY BATTERY PACK |
| HV | LED VAPOR | METALUX #4VT2-LD4-6-UNV-L835 | 57W LED | 277 | |
| WP | EXTERIOR LED WALL SCONCE | 3 HUBBELL TRP1-12L-30-3K7-2-U | 30W LED | 277 | |
| X1 | LED EDGE-LIT EXIT SIGN | SURE-LITES EU-R-60-R | 10W LED | 277 | REFER TO PLANS FOR SIDES AND CHEVRONS PROVIDE EMERGENCY BATTERY PACK |
| X2 | LED E | SIGNTEX INC MOONLITE LED | 10W LED | 277 | PROVIDE EMERGENCY BATTERY PACK |
| SL4 | SITE AREA LIGHT | MCGRAW EDISON #GLEON-AF-02-LED-E1-SL4-7030 | 113W LED | 277 | TYPE IV W/ SPILL CONTROL |
| --- | --- | --- | --- | --- | --- |
| --- | --- | --- | --- | --- | --- |
| --- | --- | --- | --- | --- | --- |
| --- | --- | --- | --- | --- | --- |
| --- | --- | --- | --- | --- | --- |

NOTES:
CONFIRM ALL SELECTIONS WITH ARCHITECT/OWNER
ALL COLOR/FINISHES SHALL BE SELECTED BY THE ARCHITECT.
COORDINATE ALL DRIVERS AND ACCESSORIES WITH LIGHTING CONTROL SYSTEMS
ALL EXTERIOR FIXTURES TO BE FULL CUT-OFF/SHIELDED

DATE: 03/29/19
REVISION#: 3

# Climate Controlled Storage Warehouse
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