

## HALO LED ICAT SHALLOW HOUSING for NEW CONSTRUCTION

The H2750ICAT is a dedicated LED new construction housing for use in shallow ceilings where 2x6 joist construction is used. The H2750ICAT is designed to fit in shallow insulated ceilings and can be in direct contact with ceiling insulation\*. This AIR-TITE housing design prevents airflow between conditioned and unconditioned spaces for savings on both heating and air conditioning costs. The LED connector system provides high efficacy code compliance when used with designated HALO LED modules and trims.

### DESIGN FEATURES

#### Housings

- Aluminum housing for greater heat dissipation. H2750ICAT housing is gasketed to prevent airflow from heated or air conditioned spaces

#### Plaster Frame

- Galvanized steel frame. Housing adjusts in plaster frame to accommodate up to 1-3/8" ceiling thickness.
- Regressed locking screw for securing hanger bars.
- Cutouts included for easily crimping hanger bars in position.

#### Slide-N-Side™ Junction Box

- Positioned to accommodate straight conduit runs.
- Seven 1/2" trade size conduit knockouts with true pry-out slots.
- Slide-N-Side wire traps allow non metallic sheathed cable to be installed without tools and without removing knockouts.
- Allows wiring connections to be made outside the box.
- Simply insert the cable directly into the trap after connections are made.
- Accommodates the following standard non-metallic sheathed cable type:
  - U.S. #14/2, #14/3, #12/2, #12/3
  - Canada: #14/2, #14/3, #12/2

#### GOT NAIL! Pass -N-Thru™ Bar Hangers

Bar Hanger features include

- Pre-installed nail easily installs in regular lumber, engineered lumber and laminated beams.
- Safety and Guidance system prevents snagging, ensures smooth, straight nail penetration and allows bar hangers to be easily removed if necessary
- Automatic leveling flange aligns the housing and allows holding the housing in place with one hand while driving nails.
- Housing can be positioned at any point within 24" joist spans
- Score lines allow tool-free shortening for 12" joists and bar hangers do not need to be removed for shortening.
- Bar hangers may be repositioned 90° on plaster frame
- Integral T-bar clip snaps onto T-bars – no additional clips are required.

#### LED Module Connection

Halo shallow LED modules simply install with a plug-in 120V/277V rated line voltage wiring connector (UL and CSA Listed Luminaire Disconnect).

This non-screw-base connection preserves the high efficacy rating and prevents use of low efficacy incandescent sources (see LED Module specifications).

Catalog #	<b>H2750ICAT/5609930/691WB</b>	Type	
Project			<b>A</b>
Comments	<b>FRONT MAIN ENTRY EXTERIOR</b>	Date	
Prepared by			

#### Caution

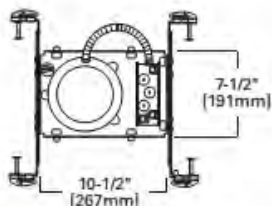
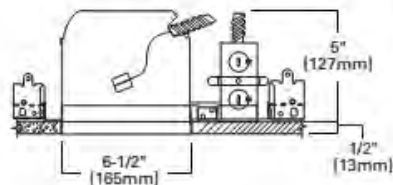
LED connection is rated for 120V and 277V input. Installer must verify LED module voltage is compatible with the applicable voltage input. If uncertain, consult a qualified electrician.

#### Labels

- UL/cUL Listed 1598 Luminaire
- CE Marking - "Conformité Européenne" conformity with the Council of European Communities Directives, meeting internationally recognized compliance when used with ML56 Series LED modules
- UL/cUL Listed for Feed Through
- UL/cUL Listed for Damp Location
- UL/cUL Listed for Wet Location with select trims
- UL/cUL Listed for direct contact with insulation and combustible material\*
- Rated for 20W maximum

#### Qualification

- May be used with qualified Halo LED modules and designated trims for High Efficacy Luminaire Compliance:
- State of California Title 24
  - International Energy Conservation Code (IECC)
  - Washington State Energy Code
  - New York State Energy Conservation Construction Code - AIR-TITE™ Compliant
  - Certified under ASTM-E283 standard for air-tight construction



## H2750ICAT

**6" New Construction IC AIR-TITE™ Housing For Designated Halo LED Modules and Trims**

- RA56 Series
- RL56 Series
- ML56 Series

High Efficacy LED Housing

FOR USE IN INSULATED CEILINGS

FOR DIRECT CONTACT WITH INSULATION\*

FOR USE IN SHALLOW CEILINGS



Qualified and compliant with select trims. Refer to ENERGY STAR® Qualified Products List and CEC (T24) Appliance Database for listings.



**ORDERING INFORMATION - RL56 SERIES****SAMPLE NUMBER:** H2750ICAT - RL560WH6927

Order housing, light module, trim and separately.

Housing	RL56 Series - Compatible LED Retrofit Modules
<b>H2750ICAT</b> = 6" Dedicated LED Insulated Ceiling, AIR-TITE New Construction Housing for Shallow Ceilings	<p><b>80 CRI</b></p> <p><b>RL560WH6827</b>= 5" / 6" Retrofit Baffle - Trim LED Module, 80CRI, 2700K, Matte White  <b>RL560SN6827</b>= 5" / 6" Retrofit Baffle - Trim LED Module, 80CRI, 2700K, Satin Nickel  <b>RL560WH6830</b>= 5" / 6" Retrofit Baffle - Trim LED Module, 80CRI, 3000K, Matte White  <b>RL560SN6830</b>= 5" / 6" Retrofit Baffle - Trim LED Module, 80CRI, 3000K, Satin Nickel  <b>RL560WH6835</b>= 5" / 6" Retrofit Baffle - Trim LED Module, 80CRI, 3500K, Matte White</p> <p><b>90 CRI</b></p> <p><b>RL560WH6927</b>= 5" / 6" Retrofit Baffle - Trim LED Module, 90CRI, 2700K, Matte White  <b>RL560SN6927</b>= 5" / 6" Retrofit Baffle - Trim LED Module, 90CRI, 2700K, Satin Nickel  <b>RL560WH6930</b>= 5" / 6" Retrofit Baffle - Trim LED Module, 90CRI, 3000K, Matte White  <b>RL560SN6930</b>= 5" / 6" Retrofit Baffle - Trim LED Module, 90CRI, 3000K, Satin Nickel  <b>RL560WH6935</b>= 5" / 6" Retrofit Baffle - Trim LED Module, 90CRI, 3500K, Matte White</p>

**ORDERING INFORMATION - RA56 SERIES****SAMPLE NUMBER:** H2750ICAT - RA5606927WH

Order housing, light module, trim and separately.

Housing	RA56 Series - Compatible LED Retrofit Modules
<b>H2750ICAT</b> = 6" Dedicated LED Insulated Ceiling, AIR-TITE New Construction Housing for Shallow Ceilings	<p><b>Very Wide Flood - VWFL Models</b></p> <p><b>RA5606927WH</b>= 5" / 6" LED Adjustable Gimbal, 90CRI, 2700K, White, Very Wide Flood  <b>RA5606930WH</b>= 5" / 6" LED Adjustable Gimbal, 90CRI, 3000K, White, Very Wide Flood</p> <p><b>Narrow Flood - NFL Models</b></p> <p><b>RA5606927NFLWH</b>= 5" / 6" LED Adjustable Gimbal, 90CRI, 2700K, White, Narrow Flood  <b>RA5606930NFLWH</b>= 5" / 6" LED Adjustable Gimbal, 90CRI, 3000K, White, Narrow Flood</p>

**ORDERING INFORMATION - ML56 SERIES****SAMPLE NUMBER:** H2750ICAT - ML5606830 - 696WB

Order housing, light module, trim and separately.

Housing	ML56 LED Light Modules	ML56 LED Trims	ML56 System Accessories
<b>H2750ICAT</b> = 6" Dedicated LED Insulated Ceiling, AIR-TITE New Construction Housing for Shallow Ceilings	<p><b>600 Series / 80 CRI</b></p> <p><b>ML5606827</b>= 5" / 6" LED Retrofit Downlight Light Module, 600 lumen, 80CRI, 2700K  <b>ML5606830</b>= 5" / 6" LED Retrofit Downlight Light Module, 600 lumen, 80CRI, 3000K  <b>ML5606835</b>= 5" / 6" LED Retrofit Downlight Light Module, 600 lumen, 80CRI, 3500K  <b>ML5606840</b>= 5" / 6" LED Retrofit Downlight Light Module, 600 lumen, 80CRI, 4000K</p> <p><b>600 Series / 90 CRI</b></p> <p><b>ML5606927</b>= 5" / 6" LED Retrofit Downlight Light Module, 600 lumen, 90CRI, 2700K  <b>ML5606930</b>= 5" / 6" LED Retrofit Downlight Light Module, 600 lumen, 90CRI, 3000K  <b>ML5606935</b>= 5" / 6" LED Retrofit Downlight Light Module, 600 lumen, 90CRI, 3500K  <b>ML5606940</b>= 5" / 6" LED Retrofit Downlight Light Module, 600 lumen, 90CRI, 4000K</p> <p><b>900 Series / 80 CRI</b></p> <p><b>ML5609827</b>= 5" / 6" LED Retrofit Downlight Light Module, 900 lumen, 80CRI, 2700K  <b>ML5609830</b>= 5" / 6" LED Retrofit Downlight Light Module, 900 lumen, 80CRI, 3000K  <b>ML5609835</b>= 5" / 6" LED Retrofit Downlight Light Module, 900 lumen, 80CRI, 3500K  <b>ML5609840</b>= 5" / 6" LED Retrofit Downlight Light Module, 900 lumen, 80CRI, 4000K</p> <p><b>900 Series / 90 CRI</b></p> <p><b>ML5609927</b>= 5" / 6" LED Retrofit Downlight Light Module, 900 lumen, 90CRI, 2700K  <b>ML5609930</b>= 5" / 6" LED Retrofit Downlight Light Module, 900 lumen, 90CRI, 3000K  <b>ML5609935</b>= 5" / 6" LED Retrofit Downlight Light Module, 900 lumen, 90CRI, 3500K  <b>ML5609940</b>= 5" / 6" LED Retrofit Downlight Light Module, 900 lumen, 90CRI, 4000K</p> <p><b>1200 Series / 80 CRI</b></p> <p><b>ML5612827</b>= 5" / 6" LED Light Module, 1200 lumen, 80CRI, 2700K  <b>ML5612830</b>= 5" / 6" LED Light Module, 1200 lumen, 80CRI, 3000K  <b>ML5612835</b>= 5" / 6" LED Light Module, 1200 lumen, 80CRI, 3500K  <b>ML5612840</b>= 5" / 6" LED Light Module, 1200 lumen, 80CRI, 4000K</p> <p><b>1200 Series / 90 CRI</b></p> <p><b>ML5612927</b>= 5" / 6" LED Light Module, 1200 lumen, 90CRI, 2700K  <b>ML5612930</b>= 5" / 6" LED Light Module, 1200 lumen, 90CRI, 3000K  <b>ML5612935</b>= 5" / 6" LED Light Module, 1200 lumen, 90CRI, 3500K  <b>ML5612940</b>= 5" / 6" LED Light Module, 1200 lumen, 90CRI, 4000K</p>	<p><b>690 Series - 6" LED Trims</b></p> <p><b>Non-Conductive "Dead Front" Baffles</b></p> <p><b>691WB</b>= 6" LED Trim, Polymer "Dead-Front", Shallow White Baffle &amp; Flange (For use with 600 Series LED Light Modules only)</p> <p><b>Semi-Regressed Eyeballs</b></p> <p><b>694WB</b>= 6" LED Directional Trim, White Eyeball, Baffle &amp; Flange  <b>694SNB</b>= 6" LED Directional Trim, Satin Nickel Eyeball, Baffle &amp; Flange  <b>694TBZB</b>= 6" LED Directional Trim, Tuscan Bronze Eyeball, Baffle &amp; Flange</p> <p><b>Shallow Baffle</b></p> <p><b>696WB</b>= 6" LED Trim, White Shallow Baffle &amp; Flange</p>	<p><b>ML56CLIP</b>= 6" Friction Clip Kit - For use with non-torsion spring housings. 6" clips included.</p> <p><b>WW6955C</b>= Wall Wash Insert - Specular Kick Reflector for 695WW (1 included with trim). For double wall washing or replacement.</p> <p><b>TRM690WH</b>= 6" LED Oversize Trim Ring for use with 59" series trims, White 6.9" I.D., 9.5" O.D. Ring slips over LED trim. Inset design allows 6" trim to fit into oversize ring for an even trim surface</p> <p><b>EBA560PK</b>= Replacement screwbase adapter to LED disconnect with cap</p> <p><b>ML56-1200 Series Beam Forming Optic Media</b></p> <p><b>BFR56NFL</b>= Beam forming reflector kit, narrow flood, 25" nominal</p> <p><b>BFR56MH</b>= Media holder, accepts one 3.45" lens. Requires BFR56NFL &amp; L345SF, order separately.</p> <p><b>L345SF</b>= 3.45" diameter soft focus lens. Requires BFR56NFL and BFR56MH, order separately.</p>

Solited® is a registered trademark of AGC Flat Glass North America.

Catalog Number
Notes
Type

## FEATURES & SPECIFICATIONS

### INTENDED USE

Provides years of maintenance-free illumination for outdoor use in residential & commercial applications. Ideal for applications such as lighting walkways and stairways.

### CONSTRUCTION

Cast-aluminum housing with corrosion-resistant paint in either dark bronze or white finish.

ADA compliant.

### OPTICS

4000K CCT LEDs.

Polycarbonate lens protects the LED from moisture, dirt and other contaminants.

**LUMEN MAINTENANCE:** The LED will deliver 70% of its initial lumens at 50,000 hour average LED life. See Lighting Facts label on page 2 for performance details.

### ELECTRICAL

MVOLT driver operates on any line voltage from 120-277V.

Operating temperature -30°C to 40°C.

1KV surge protection standard.

### INSTALLATION

Surface mount to universal junction box (provided by others).

### LISTINGS

UL Listed to U.S. and Canadian safety standards for wet locations.

Tested in accordance with IESNA LM-79 and LM-80 standards.

### WARRANTY

Five-year limited warranty.

Full warranty terms located at [www.AcuityBrands.com/CustomerResources/Terms\\_and\\_Conditions.aspx](http://www.AcuityBrands.com/CustomerResources/Terms_and_Conditions.aspx).

Note: Specifications are subject to change without notice.

Actual performance may differ as a result of end-user environment and application.

Outdoor General Purpose

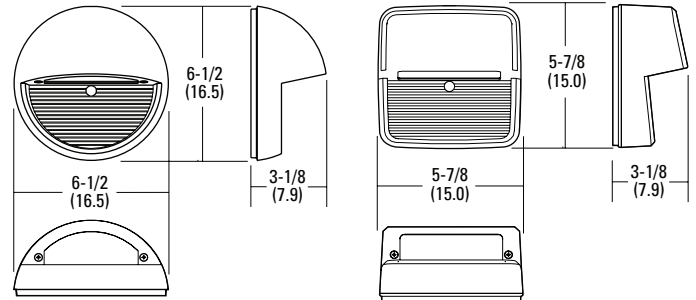
# OLSR & OLSS

LED STEP LIGHT



### Specifications

All dimensions are inches (centimeters)



### ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

**Example:** OLSS DDB

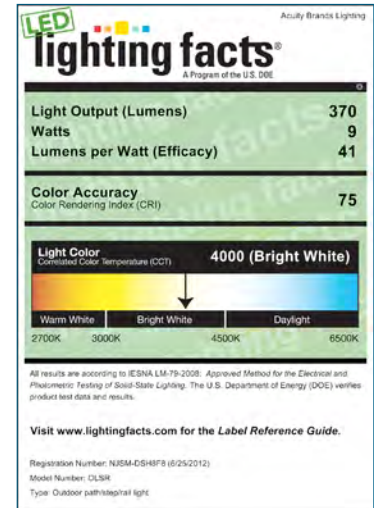
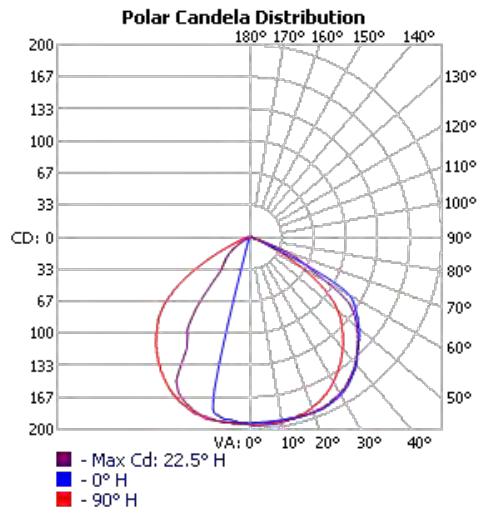
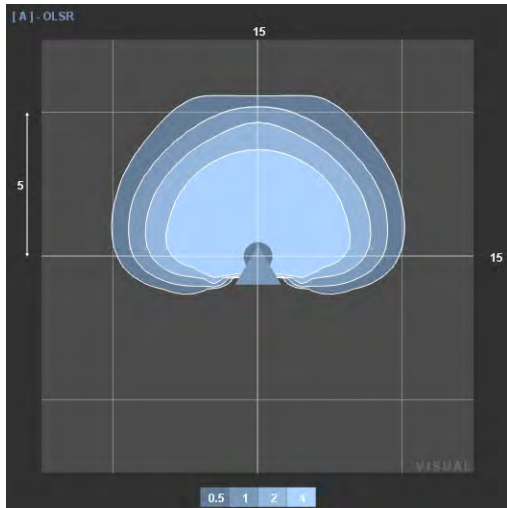
Series	Color temperature (CCT)	Voltage	Finish
OLSR Step light round	(blank) 4000K	(blank) MVOLT (120V-277V)	DDB Dark bronze
OLSS Step light square			WH White

# OLSR & OLSS LED Step Light

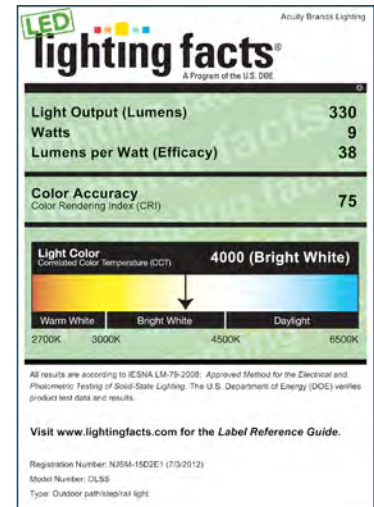
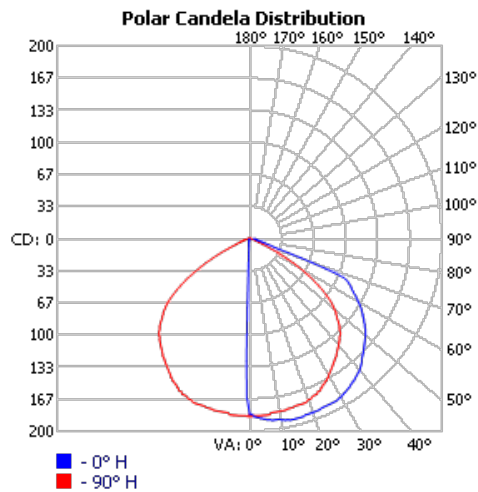
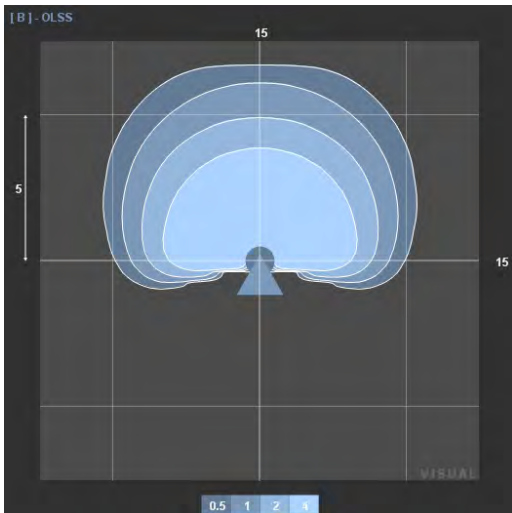
## PHOTOMETRICS

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's Outdoor LED homepage  
 Tested in accordance with IESNA LM-79 and LM-80 standards.

## OLSR



## OLSS







Natural Function  
Natural Beauty



Patented in the U.S.  
and Canada

FULLY-GROWN INVISIBLE  
MODULAR GREEN ROOF SYSTEM

*"The Hybrid System"*

SIMPLE

EFFECTIVE

ATTRACTIVE

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**Sedum kamtschaticum**

(see-dum kam-chat-i-kum)

Kamchatka Sedum



Evergreen



1"-2"; full sun to moderate shade. From Siberia and super cold hardy, Kamchatka sedum displays rich green evergreen foliage that takes on purplish hues in wintertime.

Carried upon sprawling stems, the leaves make an excellent backdrop to the early summerborne, brilliant yellow, star shaped flowers. Heat and drought tolerant and requiring of little maintenance.

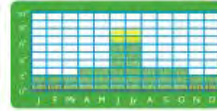


**Sedum reflexum GreenGlow®**

(see-dum re-fleks-um) Patent # 23323

Sedum GreenGlow®

Evergreen



3"-4"; 6"-8" in bloom, full sun to light shade. GreenGlow® straddles the spectrum between green and yellow. More chartreuse than green, it tends to glow and gives off an iridescent green tone to its lovely sprucelike evergreen foliage. The foliage texture and the height of its flower stalks help to make

this plant unique and will bring contrast to the roofscape.



**Sedum spurium 'John Creech'**

(see-dum spew-ree-um)

'John Creech' Sedum



Semi-Evergreen



1"-2" in bloom; full sun to light shade. Super dense growing, 'John Creech' smothers the ground with its compact habit of succulent medium green semi-evergreen foliage.

Flowering mid summer, 'John Creech' bears upright stems topped with clusters of pinkish-purple florets.



**Sedum spurium 'Pink Jewel'**

(see-dum spew-ree-um)

'Pink Jewel' Sedum

Semi-Evergreen



1 1/2"-2"; full sun to light shade. 'Pink Jewel' resembles 'Dragon's Blood' but with more compact, red-suffused foliage. Its summerborne flowers are a lovely clear pink.



**Sedum spurium 'Roseum'**

(see-dum spew-ree-um)

Pink Flowered Sedum



Semi-Evergreen



1"-2"; full sun to light shade. 'Roseum' is a very pleasing, drought and disease resistant selection with cheerful, clear, lime green semi-evergreen foliage. It fills the role of a sedum that is very "green" in color and thus is great for contrast with the dark red, blue, and purple members of the genus. 'Roseum' displays pink summerborne flowers, and in this case, they are a clear, soft, pastel pink and borne in relatively low numbers. The unique aspect of this is that the flowers and foliage complement each other and can be appreciated at the same time.



**Sedum spurium 'Tricolor'**

(see-dum spew-ree-um)

Tricolor Sedum

Semi-Evergreen



1"-2"; full sun to light shade. This cultivar is distinct for its variegated semi-evergreen foliage of pink, white, and green. Blooming during summer, its flowers are a soft pale pink. No doubt, it is one of the most colorfully foliaged of all LiveRoof plants and fantastic for infusing color highlights.

# LiveRoof<sup>®</sup> BRAND System Specifications

MODULE SIZE	<b>LiveRoof Standard:</b> 1' x 2' x 3-1/4" (soil height appx. 4.25") Soil fills soil elevator, plants and soil obscure module edges.
MODULE WEIGHT	<b>Standard:</b> 14 oz./sq. ft.
MATERIAL	100% recycled polypropylene (avg. 10% post-consumer, 90% post-industrial) 100 mil. thick walls.
WATER DISPERSAL	Approx. 10.0 gal. per min. per lineal foot. <i>Hi-Flow option available with standard and deep module.</i>
MODULE COLOR	Black or gray
WEIGHT VEGETATED (fully saturated)	<b>LiveRoof Standard:</b> approx. 27-29 lbs./SF
DRAINAGE	<a href="#">Positive drain holes</a> , at lowest point in module.
SOIL MEDIA	Proprietary <a href="#">LiveRoof specified engineered soil</a> , based upon German FLL granulometric specifications, 94+% by dry weight inorganic content for minimal shrinkage/decomposition. (92% in British Columbia). Dry weight approx. 60-65 lbs/cu.ft. May vary somewhat with local grower.
ACCEPTABLE PROTECTIVE UNDERLYING MATERIALS	Modules to be placed directly upon heavy duty (HDPE, Polypropylene, TPO, EPDM or recyclable PVC) slip sheet/root barrier of 40-60 mil. thickness with effectively bonded seams. This is placed as an additional protective barrier above roof waterproofing membrane and extended 3 inches vertically along parapet to ward against edge abrasion. This may also be glued to parapet if manufacturer approves.  Confirm suitability of waterproofing membrane with manufacturer. Alternatively low profile drain boards work well and manufacturers of cold fluid applied reinforced urethane membranes typically warrant their systems for use in conjunction with the LiveRoof <sup>®</sup> system.
IRRIGATION SYSTEM	<a href="#">Irrigation is recommended</a> for backup during prolonged hot, dry and windy weather patterns. Simple overhead system is inexpensive and effective insurance. <i>Irrigation requirements are dependent on plant selection, climate and roof design.</i>  In hot, humid or arid climates, irrigation systems should always be installed and used as needed given weather conditions. Similarly, irrigation systems are necessary on pitched green roofs and those in wind-challenged conditions, such as in coastal areas and on tall buildings.  If LiveRoof Lite system is used, irrigation will be essential in all climates.



If the Deep system is used and populated with non-succulents, irrigation is also essential.

EDGE  
TREATMENTS

Coengineered [RoofEdge®](#) aluminum edging with adequate drain perforations recommended. Any edging should allow for adequate drainage (extending to the bottom of the edging) with sidewalls tall enough to completely cover the modules and contain the soil.

PAVERS

Coengineered [LiveRoof RoofStone®](#) recommended.

WIND UPLIFT

Patent-pending [WindDisc™](#) method for improving wind uplift resistance is recommended for green roofs subject to high wind conditions.

PLANTS

Drought-tolerant, hardy RoofTop Proven™ plants recommended. Consult the [Licensed Grower](#) in your region for specific recommendations.

CONVEYANCE  
METHOD

Prevegetated modules to be delivered by [Hoppit®](#) or other appropriately engineered conveyance device.

## PART 1: GENERAL

### 1.1. SCOPE

Provide equipment, materials, tools, and labor to install vegetated roofing modules. Modules to include growth media and plants. This work shall also include edge treatments, custom shaping of modules, and installing paver stones or ballast, slip sheet/root barrier and irrigation system, if specified.

### 1.2 SUBMITTALS

- A. Product data for vegetated roofing systems.
- B. Planting mix design indicating species.
- C. Shop Drawings: Indicating layout of modules, pavers, irrigation, and green roof area (ft<sup>2</sup> or m<sup>2</sup>).
- D. Warranty: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.
- E. Maintenance instructions for inclusion into owner's manuals.

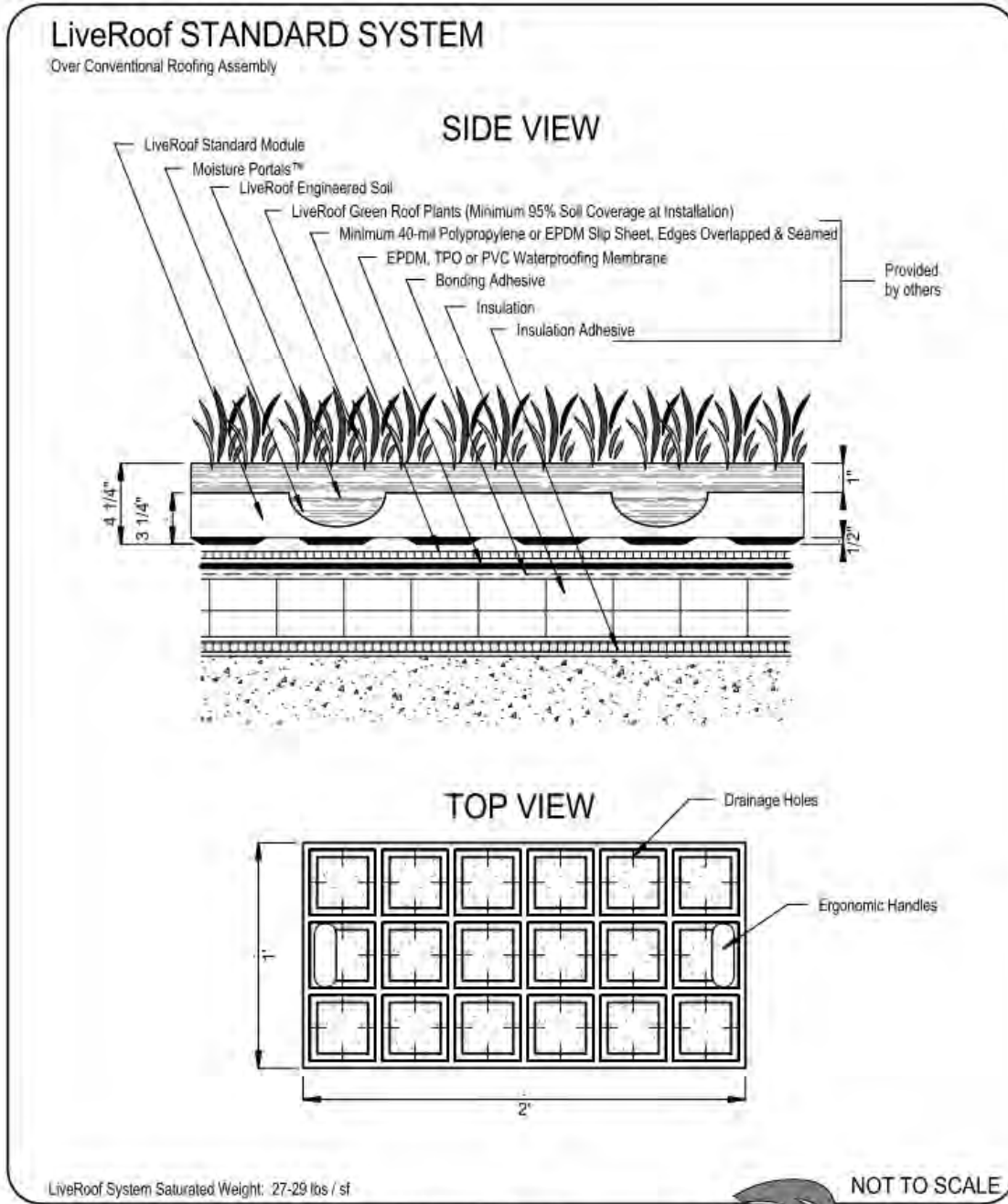
### 1.3 QUALITY ASSURANCE

- A. No deviation should be made from this specification. Installer assumes liability for any deviations from specification.
- B. Only LiveRoof Certified Installer personnel shall complete all work.
- C. Prior to installing LiveRoof modules, the following procedures are to be conducted:
  - 1. The building Owner, Architect, or Engineer shall verify that the roof is properly designed and constructed to adequately support the load of the LiveRoof system.
  - 2. The roof is to be flood tested for water tightness for 24 hours. Water testing shall be witnessed and confirmed in writing by Owner's Representative and/or Design Professional, Waterproofing Contractor, Membrane Manufacturer, and Installation Contractor.
  - 3. Slip sheet/root barrier to be properly installed, seams overlapped and bonded, in accord with architect's and manufacturer's specifications.
  - 4. The roof is to be inspected and determined ready to accept the



# DETAIL DRAWINGS

## STANDARD 4.25" MODULE DETAIL



ILLUSTRATIONS ARE TO CONCEPTUALLY ASSIST PROFESSIONALS IN DESIGNING LIVEROOF INSTALLATIONS. LIVEROOF DOES NOT ACCEPT RESPONSIBILITY FOR ENGINEERING BASED ON ILLUSTRATIONS. A QUALIFIED ROOFING SPECIALIST SHOULD BE CONSULTED TO DETERMINE APPROPRIATE WATERPROOFING AND ROOF DECK MATERIALS AND SUITABLE DESIGN.



LiveRoof, LLC  
P.O. Box 533  
Spring Lake, MI 49456

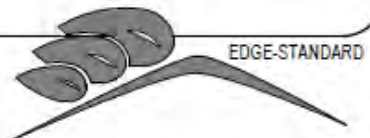
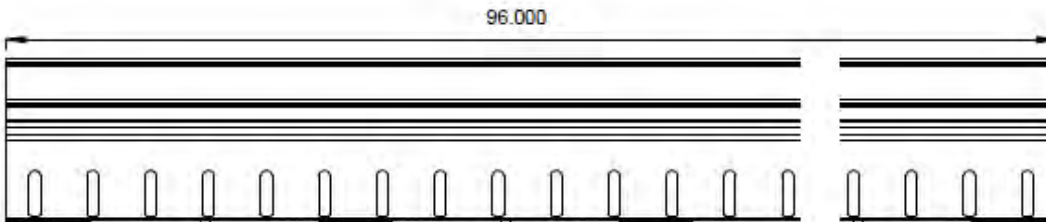
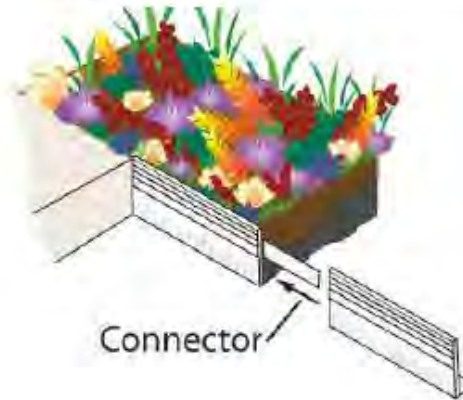
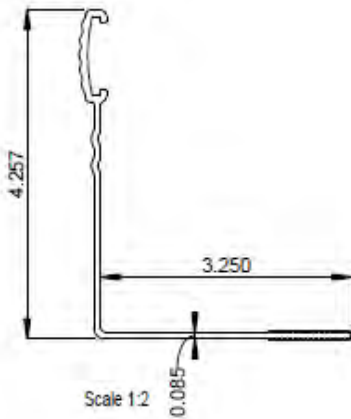
(800) 875-1392  
www.liveroof.com

# LiveRoof

ROOFEDGE® STANDARD DETAIL

RoofEdge Standard Aluminum Edge Restraint

PART NUMBER	LIVEROOF SYSTEM	DIMENSIONS	FINISH
STD-MILL-96	STANDARD	4.25"x 3.25"x 96"	MILL
STD-BRONZE-96	STANDARD	4.25"x 3.25"x 96"	BRONZE ANODIZE
STD-BLACK-96	STANDARD	4.25"x 3.25"x 96"	BLACK ANODIZE



LiveRoof Global, LLC  
 P.O. Box 533  
 Spring Lake, MI 49456

(800) 875-1392  
[www.liveroof.com](http://www.liveroof.com)

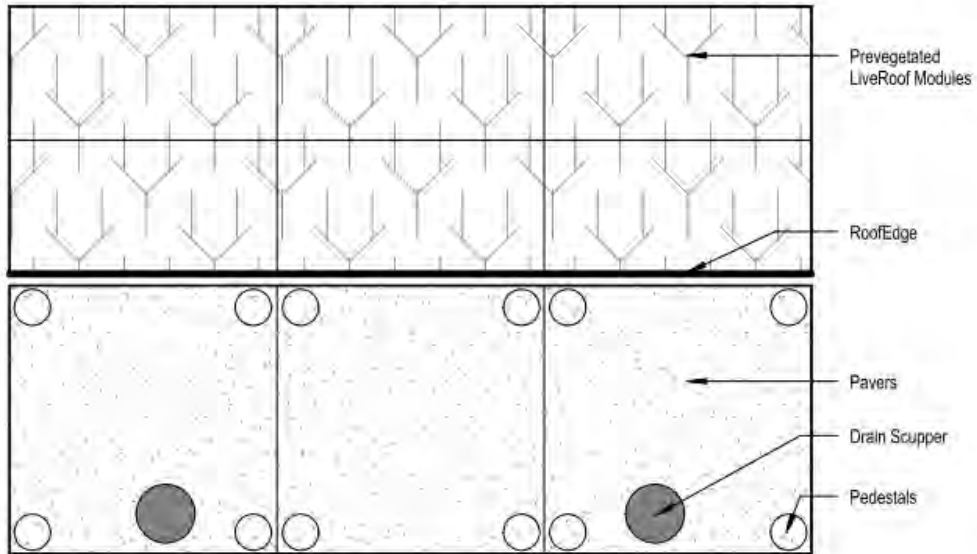


# PAVER & PEDESTAL APPLICATION

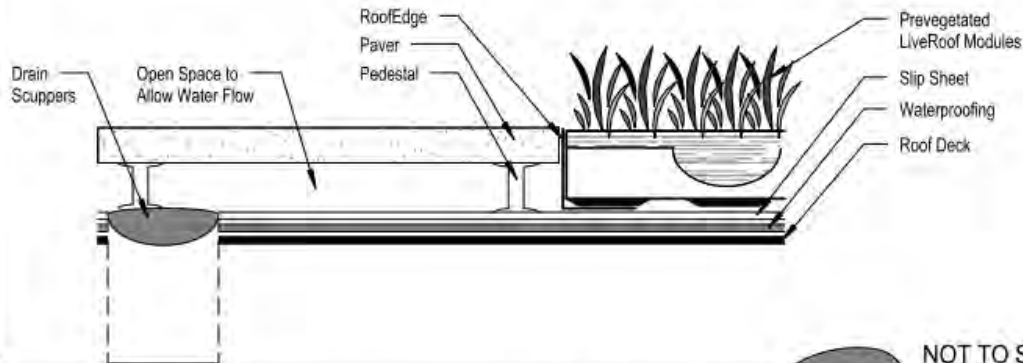
## PAVER APPLICATION

Using RoofEdge™ and Pedestals  
 Recommended for LiveRoof Maxx 8™  
 and for level applications with Standard (4.25") and Deep (6") Systems

TOP VIEW



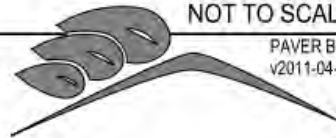
SIDE VIEW



NOT TO SCALE

PAVER B  
 v2011-04-18

ILLUSTRATIONS ARE TO CONCEPTUALLY ASSIST PROFESSIONALS IN DESIGN OF LIVEROOF APPLICATIONS. LIVEROOF DOES NOT ACCEPT RESPONSIBILITY FOR ENGINEERING BASED ON ILLUSTRATIONS. A QUALIFIED STRUCTURAL ENGINEER SHOULD BE CONSULTED TO DETERMINE APPROPRIATE AND SUITABLE DESIGN. PAVER WALKWAYS NEAR PARAPETS SHOULD BE DESIGNED FOR SAFE USE, TAKING INTO ACCOUNT WIND FACTORS.



# LiveRoof

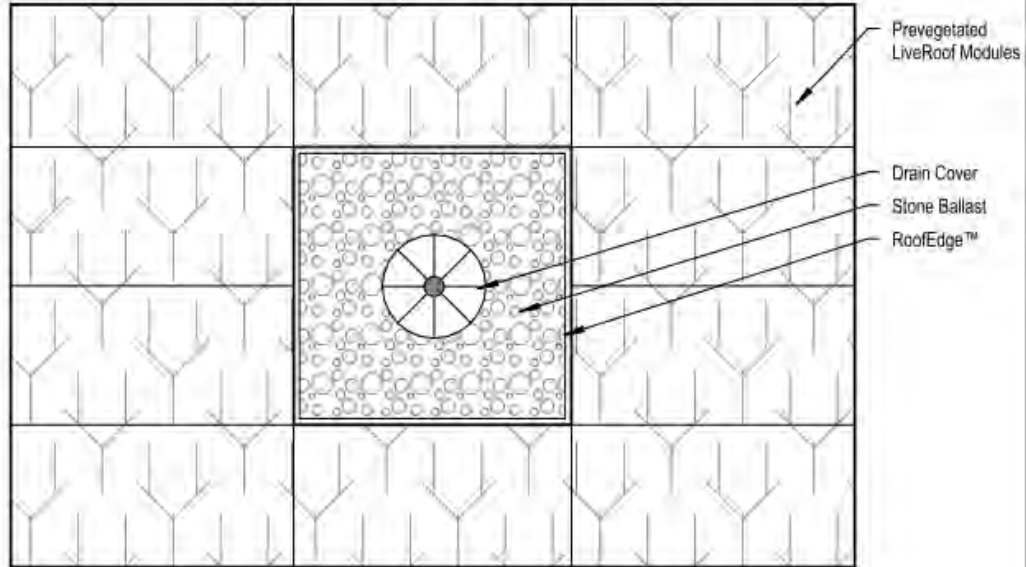
LiveRoof, LLC  
 P.O. Box 533  
 Spring Lake, MI 49456

(800) 875-1392  
 www.liveroof.com

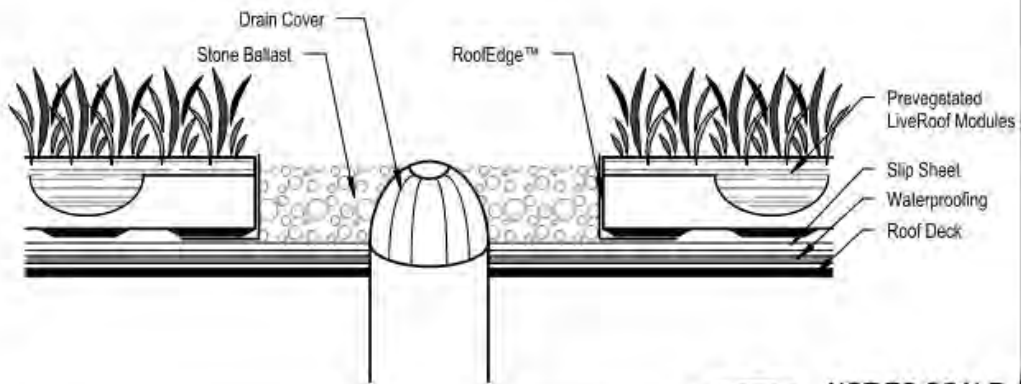
*DRAIN APPLICATION*

**Drain Application**  
Using Roof Edge and Stone Ballast

**TOP VIEW**



**SIDE VIEW**



NOT TO SCALE

DRAIN COMPONENTS AND FLASHING SHOULD BE INSTALLED ACCORDING TO MANUFACTURER INSTRUCTION

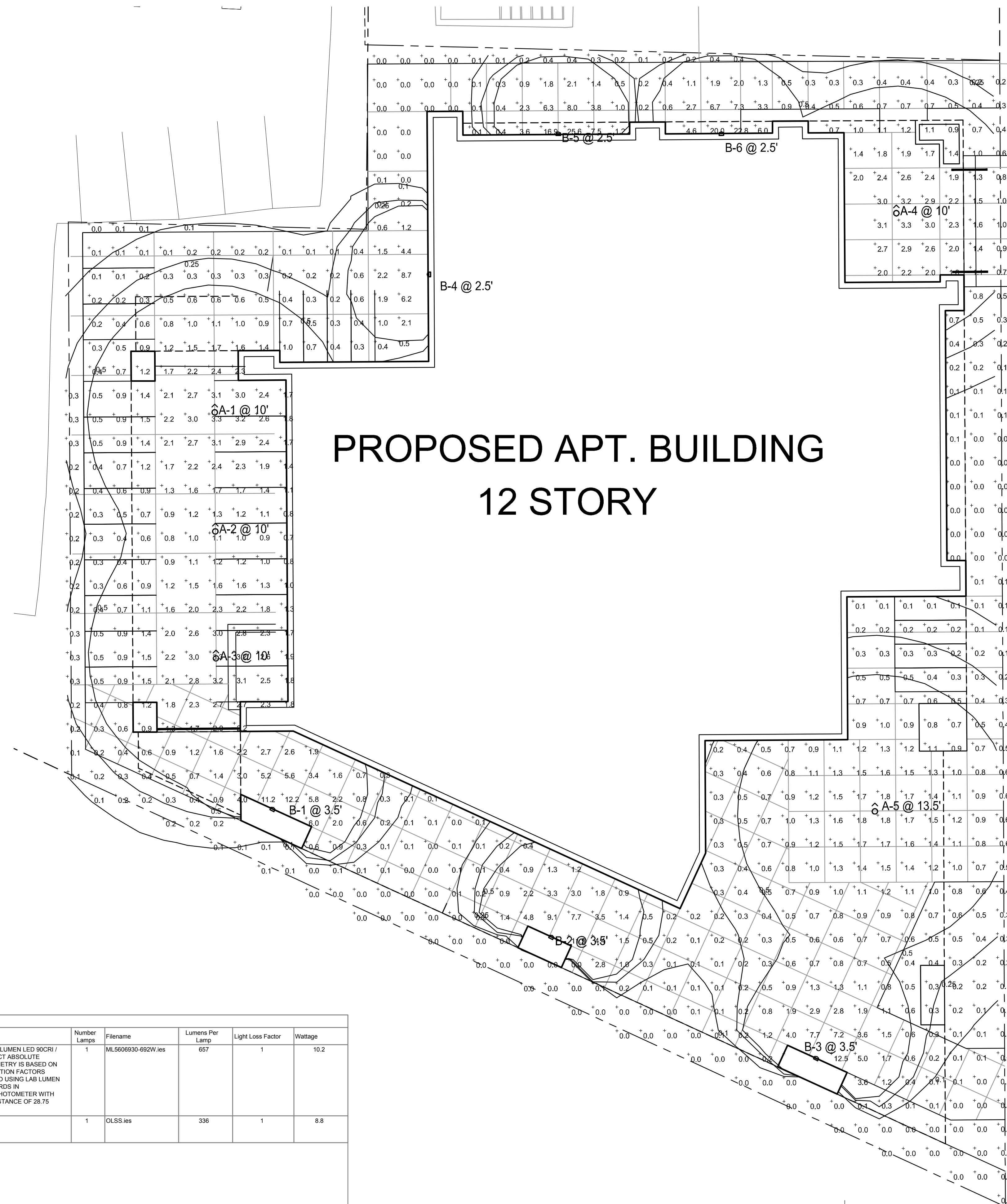
DRAIN A

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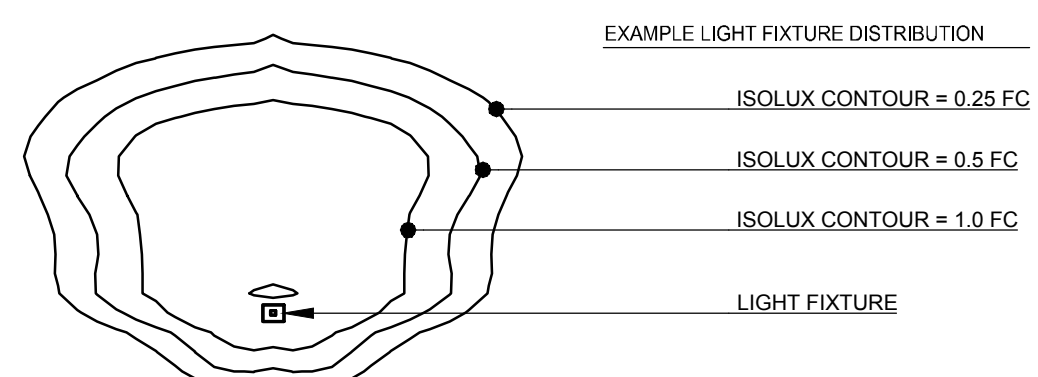




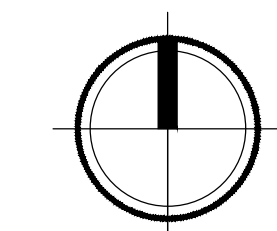
**PROPOSED APT. BUILDING  
12 STORY**

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #2	+	1.2 fc	27.4 fc	0.0 fc	N/A	N/A

Schedule											
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
⊙	A	5	COOPER LIGHTING - HALO	ML5606930-692W	HALO 6 INCH ML56 LED DOWNLIGHT WITH WHITE REFLECTOR	(1) HIGH LUMEN LED 90CRI / 3000K CCT ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONIPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET	1	ML5606930-692W.jes	657	1	10.2
⊞	B	6	Lithonia Lighting	OLSS	OUTDOOR LED SQUARE STEP LIGHT WITH 4000K LEDES AND POLYCARBONATE LENS	LED	1	OLSS.jes	336	1	8.8



1 SITE LIGHTING PLAN  
C-1.5 1" = 10'-0"







East Elevation along N. Charter St



North Elevation

EXTERIOR MATERIAL SCHEDULE		
BUILDING MATERIAL	MATERIAL	COLOR
PANEL A	COMPOSITE METAL	REYNOBOND - TERRA DI SIENA
PANEL B	COMPOSITE METAL	CMG - SLATE GRAY
MASONRY VENEER	BRICK VENEER	ACME - CONFEDERATE BLEND
CAST STONE SILLS & HEADS & BANDS	CAST STONE	BUFF
BALCONY DECKS	STEEL	DARK BRONZE
WINDOWS	ALUMINUM	DARK BRONZE
RAILING	ALUM. (GLASS AT ROOF DECK)	DARK BRONZE
ENTRY DOORS	ALUMINUM STOREFRONT	DARK BRONZE
UNIT ENTRY DOORS	ALUMINUM	DARK BRONZE

Elevations  
222 N. Charter Street  
January 2, 2018







**TYPICAL MATERIALS**

- COMPOSITE METAL PANEL A
- COMPOSITE METAL PANEL B
- SOLDIER COURSE
- COMPOSITE METAL PANEL B
- BRICK VENEER
- ALUMINUM RAILINGS
- CAST STONE SILLS

CAST STONE

West Elevation



**TYPICAL MATERIALS**

- COMPOSITE METAL PANEL A
- COMPOSITE METAL PANEL B
- SOLDIER COURSE
- COMPOSITE METAL PANEL B
- BRICK VENEER
- ALUMINUM RAILINGS
- CAST STONE SILLS

CAST STONE

South Elevation

**EXTERIOR MATERIAL SCHEDULE**

BUILDING MATERIAL	MATERIAL	COLOR
PANEL A	COMPOSITE METAL	REYNOBOND - TERRA DI SIENA
PANEL B	COMPOSITE METAL	CMG - SLATE GRAY
MASONRY VENEER	BRICK VENEER	ACHE - CONFEDERATE BLEND
CAST STONE SILLS & HEADS & BANDS	CAST STONE	BUFF
BALCONY DECKS	STEEL	DARK BRONZE
WINDOWS	ALUMINUM	DARK BRONZE
RAILING	ALUM. (GLASS AT ROOF DECK)	DARK BRONZE
ENTRY DOORS	ALUMINUM STOREFRONT	DARK BRONZE
UNIT ENTRY DOORS	ALUMINUM	DARK BRONZE

Elevations  
222 N. Charter Street  
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